C-TEC P-TECH

ROCKLAND BOCES

65 Parrott Rd,
West Nyack, NY, 10994

BID ADDENDA #1 - 07/07/2025

SED #: 50-90-00-00-0-044-001

DRAWING LIST

SHEET NUMBER	SHEET NAME
G-000	COVER SHEET
GENERAL	
G-021	CODE COMPLIANCE
G-031	GENERAL NOTES / ABBREVIATIONS / LEGENDS AND SYMBOLS
G-041	EXTERIOR WALL ASSEMBLIES & INTERIOR WALL TYPES
G-051	ACCESSIBILITY COMPLIANCE DIAGRAMS
G-052	STANDARD MOUNTING HEIGHTS
G-101	LIFE SAFETY PLAN FIRST FLOOR
G-102	LIFE SAFETY PLAN SECOND FLOOR
CIVIL	
C-000	GENERAL NOTES
C-001	EXISTING CONDITIONS
C-002	EROSION AND SEDIMENT CONTROL
C-003	DEMO PLAN
C-101	SITE PLAN
C-201	SITE UTILITY AND GRADING PLAN
C-601	SITE LIGHTING PLAN
C-602	SITE LIGHTING PLAN - BUILDING SECOND FLOOR
C-901	DETAILS
C-902	DETAILS
C-903	DETAILS
C-904	DETAILS
STRUCTURAL	
S-001	GENERAL NOTES 1
S-002	GENERAL NOTES 2
S-003	DESIGN CRITERIA
S-004	TYPICAL DETAILS 1
S-005	TYPICAL DETAILS 2
S-006	TYPICAL DETAILS 3
S-007	TYPICAL DETAILS 4
S-008	TYPICAL DETAILS 5
S-009	JOIST LOADING DIAGRAMS 1
S-101	FOUNDATION AND FIRST FLOOR FRAMING PLAN
S-102	SECOND FLOOR FRAMING PLAN
S-103	ROOF FRAMING PLAN
S-201	SECTIONS
S-202	SECTIONS 2
S-301	SCHEDULES
S-401	MOMENT FRAME ELEVATIONS 1
S-402	MOMENT FRAME ELEVATIONS 2
S-403	MOMENT FRAME ELEVATIONS 3
S-404	CMU WALL ELEVATIONS 1
S-405	CMU WALL ELEVATIONS 2
ARCHITECTURAL	
A-011	OVERALL FLOOR PLAN
A-101	FIRST FLOOR PLAN
A-102	SECOND FLOOR PLAN
A-111	FIRST FLOOR REFLECTED CEILING PLAN
A-112	SECOND FLOOR REFLECTED CEILING PLAN
A-121	SLAB EDGE PLAN- FIRST FLOOR
A-122	SLAB EDGE PLAN- SECOND FLOOR
A-123	SLAB EDGE PLAN-ROOF
A-131	ROOF PLAN
A-200	BUILDING AXONOMETRIC
A-201	BUILDING ELEVATIONS
A-202	BUILDING ELEVATIONS
A-301	BUILDING SECTIONS
A-311	WALL SECTIONS
A-312	WALL SECTIONS
A-313	WALL SECTIONS
A-314	WALL SECTIONS
A-315	WALL SECTIONS
A-316	WALL SECTIONS
A-317	WALL SECTIONS
A-318	WALL SECTIONS
A-319	WALL SECTIONS
A-320	WALL SECTIONS
A-401	ENLARGED FLOOR PLANS - TOILETS AND DRINKING FOUNTAINS
A-402	ENLARGED FLOOR PLANS - GYMNASIUM
A-403	ENLARGED FLOOR PLANS - FIRST FLOOR
A-404	ENLARGED FLOOR PLANS - SECOND FLOOR
A-405	GYM STRIPING PLAN
A-411	ENLARGED RCP - TOILETS ONLY
A-412	ENLARGED RCP - GYMNASIUM
A-413	ENLARGED RCP - FIRST FLOOR
A-414	ENLARGED RCP - SECOND FLOOR
A-501	EXTERIOR SECTION DETAILS
A-502	EXTERIOR SECTION DETAILS
A-511	EXTERIOR PLAN DETAILS
A-521	ROOF DETAILS
A-522	ROOF DETAILS
A-531	FOUNDATION DETAILS SECTION/PLANS
A-543	INTERIOR PLAN DETAILS
A-551	CEILING DETAILS
A-601	DOOR SCHEDULES
A-602	DOOR DETAILS
A-621	WINDOW SCHEDULE-EXTERIOR
A-631	WINDOW SCHEDULE & DETALS-INTERIOR
A-701	STAIR PLANS & SECTIONS
A-702	STAIR PLANS & SECTIONS
A-711	STAIR DETAILS
A-712	STAIR DEATILS
A-721	ELEVATOR PLAN, SECTIONS AND DETAILS
A-801	INTERIOR FINISH SCHEDULES
A-811	INTERIOR FINISH PLAN- FIRST FLOOR
A-812	INTERIOR FINISH PLAN- SECOND FLOOR
A-830	INTERIOR ELEVATIONS
A-831	INTERIOR ELEVATIONS
A-832	INTERIOR ELEVATIONS
A-833	INTERIOR ELEVATIONS
A-834	INTERIOR ELEVATIONS
A-835	INTERIOR ELEVATIONS
A-836	INTERIOR ELEVATIONS
A-837	INTERIOR ELEVATIONS
A-838	SCIENCE RM CASEWORK DETIAL
A-839	SCIENCE RM CASEWORK DETIAL
A-841	MILLWORK & CASEWORK DETAILS
A-900	RENDERINGS - EXTERIOR
A-901	RENDERINGS
A-902	RENDERINGS
A-903	RENDERINGS
A-904	RENDERINGS
FOOD SERVICE	
FS-100	FOODSERVICE GENERAL NOTES, LEGENDS, ABBREVIATIONS

DRAWING LIST

SHEET NUMBER	SHEET NAME
FS-200	FOODSERVICE EQUIPMENT DEMOLITION PLAN
FS-300	FOOD SERVICE EQUIPMENT PLAN - KITCHEN #1
FS-301	FOOD SERVICE EQUIPMENT PLAN - KITCHEN #2&3
FS-302	FOOD SERVICE EQUIPMENT PLAN - SCHOOL STORE
FS-350	FOOD SERVICE EQUIPMENT M.E.P. SCHEDULE
FS-351	FOOD SERVICE EQUIPMENT PLAN - SCHEDULE
FS-352	FOOD SERVICE EQUIPMENT M.E.P. SCHEDULE
FS-353	FOOD SERVICE EQUIPMENT M.E.P. SCHEDULE
FS-354	FOODSERVICE EQUIPMENT M.E.P. SCHEDULE
FS-355	FOODSERVICE EQUIPMENT M.E.P. SCHEDULE
FS-380	FOODSERVICE PERSPECTIVE VIEWS
FS-400	FOOD SERVICE ELECTRICAL ROUGH - IN PLAN - KITCHEN #1
FS-401	FOOD SERVICE ELECTRICAL ROUGH - IN PLAN - KITCHEN #2&3
FS-402	FOOD SERVICE ELECTRICAL ROUGH - IN PLAN -SCHOOL STORE
FS-440	FOOD SERVICE PLUMBING ROUGH - IN PLAN - KITCHEN #1
FS-441	FOOD SERVICE PLUMBING ROUGH - IN PLAN - KITCHEN #2&3
FS-442	FOODSERVICE PLUMBING ROUGH-IN PLAN - SCHOOL STORE
FS-460	FOOD SERVICE FLOOR PENETRATION PLAN - KITCHEN #1
FS-461	FOOD SERVICE FLOOR PENETRATION PLAN - KITCHEN #2&3
FS-480	FOODSERVICE COMPRESSOR LOCATION PLAN
FS-500	FOODSERVICE C.K.V. ROUGH-IN PLAN - KITCHEN #1
FS-501	FOODSERVICE C.K.V. ROUGH-IN PLAN - KITCHEN #2 & 3
FS-520	FOODSERVICE CRITICAL DIMENSIONS PLAN - KITCHEN #1
FS-521	FOODSERVICE CRITICAL DIMENSIONS PLAN - KITCHEN #2 &3
FS-540	FOOD SERVICE WALL BLOCKING PLAN - KITCHEN #1
FS-541	FOOD SERVICE WALL BLOCKING PLAN - KITCHEN #2&3
FS-600	FOODSERVICE ELEVATION KEY PLAN - KITCHEN #1
FS-601	FOODSERVICE ELEVATION KEY PLAN - KITCHEN #2&3
FS-602	FOOD SERVICE ELEVATION KEY PLAN-SCHOOL STORE
FS-620	FOODSERVICE ELEVATIONS
FS-621	FOODSERVICE ELEVATIONS
FS-622	FOODSERVICE ELEVATIONS
FS-623	FOODSERVICE ELEVATIONS
FS-624	FOODSERVICE ELEVATIONS
FS-680	FOOD SERVICE TYPICAL STAINLESS STEEL DETAILS
FS-681	FOOD SERVICE TYPICAL STAINLESS STEEL DETAILS
FS-682	FOOD SERVICE TYPICAL STAINLESS STEEL DETAILS
FS-690	FOOD SERVICE TYPICAL MILLWORK DETAILS
FS-700	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)
FS-701	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)
FS-702	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)
FS-703	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)
FS-704	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)
FS-720	FOODSERVICE WALK-IN DETAIL DRAWINGS (AMERIKOOLER)
FS-721	FOODSERVICE WALK-IN DETAIL DRAWINGS (AMERIKOOLER)
FS-730	FOODSERVICE REFRIGERATION DETAIL DRAWINGS (COLDZONE)
FS-740	FOODSERVICE WAREWASHING DETAIL DRAWINGS (JOHN BOOS)
FS-760	FOODSERVICE MISCELANEOUS DETAIL DRAWINSG (AVTEC)
HVAC	
H-001	MECHANICAL COVER SHEET
H-101	MECHANICAL FIRST FLOOR DUCTWORK PLAN
H-102	MECHANICAL SECOND FLOOR DUCTWORK PLAN
H-103	MECHANICAL ROOF PLAN
H-104	MECHANICAL KITCHEN 1
H-105	MECHANICAL KITCHEN 2
H-106	MECHANICAL KITCHEN 3
H-107	MECHANICAL ROOM
H-108	GYM MECHANICAL ROOM
H-701	MECHANICAL DETAILS
H-702	MECHANICAL DETAILS
H-703	MECHANICAL DETAILS
H-704	MECHANICAL DETAILS
H-705	MECHANICAL DETAILS
H-706	MECHANICAL DETAILS
H-707	MECHANICAL DETAILS
H-708	MECHANICAL DETAILS
H-709	MECHANICAL DETAILS
H-710	MECHANICAL DETAILS
H-711	MECHANICAL DETAILS
H-712	MECHANICAL DETAILS
H-713	MECHANICAL DETAILS
H-714	MECHANICAL DETAILS
H-801	MECHANICAL SCHEDULES
H-802	MECHANICAL SCHEDULES
ELECTRICAL	
E-001	ELECTRICAL COVER SHEET
E-101	ELECTRICAL FIRST FLOOR POWER PLAN
E-102	ELECTRICAL SECOND FLOOR POWER PLAN
E-103	ELECTRICAL ROOF POWER PLAN
E-104	ELECTRICAL ENLARGED KITCHEN 1 POWER PLAN
E-105	ELECTRICAL ENLARGED KITCHEN 2 POWER PLAN
E-106	ELECTRICAL ENLARGED KITCHEN 3 POWER PLAN
E-201	ELECTRICAL FIRST FLOOR LIGHTING PLAN
E-202	ELECTRICAL SECOND FLOOR LIGHTING PLAN
E-601	ELECTRICAL ONE-LINE DIAGRAMS
E-701	ELECTRICAL DETAILS
E-702	ELECTRICAL DETAILS
E-801	ELECTRICAL SCHEDULES
E-802	ELECTRICAL SCHEDULES
PLUMBING	
P-001	PLUMBING COVER SHEET
P-100	PLUMBING BELOW SLAB SANITARY-STORM PLAN
P-101	PLUMBING FIRST FLOOR SANITARY-STORM PLAN
P-102	PLUMBING SECOND FLOOR SANITARY- STORM PLAN
P-103	PLUMBING ROOF SANITARY PLAN
P-200	PLUMBING BELOW SLAB DOMESTIC PLAN
P-201	PLUMBING FIRST FLOOR DOMESTIC PLAN
P-202	PLUMBING SECOND FLOOR DOMESTIC PLAN
P-203	PLUMBING ROOF DOMESTIC PLAN
P-301	STORM, SANITARY & VENT RISERS
P-302	DOMESTIC & GAS
P-701	PLUMBING DETAILS
P-702	PLUMBING DETAILS
P-703	PLUMBING DETAILS
P-801	PLUMBING SCHEDULES
FIRE ALARM	
FA-001	FIRE ALARM COVER SHEET
FA-101	FIRE ALARM FIRST FLOOR PLAN
FA-102	FIRE ALARM SECOND FLOOR PLAN
FA-103	FIRE ALARM ROOF PLAN
FIRE PROTECTION	
FP-001	FIRE PROTECTION COVER SHEET
FP-101	FIRE PROTECTION FIRST FLOOR SPRINKLER PLAN
FP-102	FIRE PROTECTION SECOND FLOOR SPRINKLER PLAN
FP-701	FIRE PROTECTION DETAIL SHEET

Grand total: 219

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BID SET ISSUANCE
06/30/2025

REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
032313
STATE OF NEW YORK

EXP. DATE: 3/31/2025

ROCKLAND BOCES
ROOTED IN THE COMMUNITY

C-TEC P-TECH
65 Parrott Rd,
West Nyack, NY, 10994

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BUILDING SUMMARY

Project Name: Rockland BOCES PTECH-CTEC Building
Address: 65 Parrott Rd, West Nyack, NY 10994
Usage: Educational
Owner Contact: Scott Moffitt **Phone:** 845-627-4721
Fire District: West Nyack Fire District
Fire Extinguishing System: YES

Code Standards:
Building Code of New York State (2020)
State Department of Education (SED) Manual of Planning Standards (2022)
2020 New York State Uniform Fire Prevention And Building Code
ANSI A117.1 - **1-09** Accessible And Usable Buildings & Facilities
NFPA 13 Standard for the Installation of Sprinkler Systems

General Building Heights and Areas

Occupancy: E - Educational

Construction Type: IIB

General Building Limitations:
Allowable Height of Building: 75' - 0"
Proposed Height of Building: 34" - 0"

Allowable Number of Stories: 3
Proposed Number of Stories: 2

Allowable Floor Area: 43,500 SF
Proposed Floor Area: FIRST FLOOR = 30, 916 SF < 43,500 SF **COMPLIES**
SECOND FLOOR = 21,667 SF < 43,500 SF **COMPLIES**

TOTAL NEW SQUARE FEET = 52,583 SF

FIRE - RESISTANCE - RATED CONSTRUCTION

BUILDING ELEMENT (NYS BC TABLE 601)	FIRE RATING (HOURS) IIB
PRIMARY STRUCTURAL FRAME:	0
FLOORS :	0
ROOFS:	0
BEARING WALLS(EXTERIOR & INTERIOR):	0
NON-BEARING INTERIOR WALLS:	0

MEANS OF EGRESS INFORMATION	DWG SHOWN
ROOM USE DESIGNATIONS	G-021,G-101, G-102
ROOM SQUARE FOOTAGE	G-101, G-102
ROOM OCCUPANCY LOADS	G-101, G-102
ASSEMBLY SPACE EXIT WIDTH CALCS	G-101, G-102
AREA OF REFUGE	N/A (NYS BC 1009.3.3 EXCEPTION 2)
RESCUE WINDOWS	FLOOR PLAN & WINDOW ELEV

EXIT TRAVEL DISTANCE

NYS BC TABLE 1017.2

250' MAX SPRINKLERED

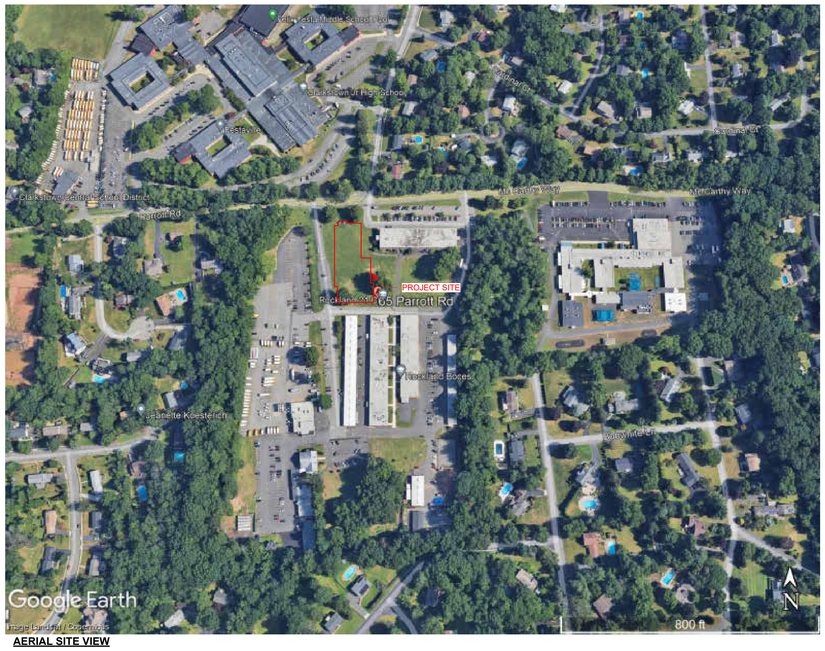
SED MANUAL OF PLANNING STANDARDS

150' TO EXTERIOR DOOR FROM CORRIDOR (GROUND FLOOR)
120' TO STAIR ENCLOSURE FROM CORRIDOR (OTHER THAN GROUND FLOOR)
50' TO EXIT FROM ALL ROOMS 1500 SF& UNDER
75' TO SEPARATE SMOKE ZONE IN OPEN PLANNED AREAS
NO DEAD-END CORRIDORS (<1.5 X WIDTH, MAX 50')

OCCUPANCY LOADS	NYS BC TABLE 1004.5
CLASSROOMS	20 NET SF/PERSON
SHOPS & OTHER VOCATIONAL ROOMS	50 NET SF/PERSON
OFFICE AREAS	100 GROSS SF/PERSON
KITCHEN AREA S	200 GROSS SF/PERSON
STORAGE/MECHANICAL	300 GROSS SF/PERSON

EXIT WIDTH	NYS BC SECTION 1005.1
STAIR WIDTH	.2"/OCCUPANT SPRINKLERED
OTHER EGRESS COMPONENTS	.15"/OCCUPANT SPRINKLERED

CORRIDORS	NYS BC TABLE 1020.1
WIDTH (NY SED):	
MAIN CORRIDOR:	8'-0" MIN. (CLEAR)
SECONDARY:	6'-0" MIN. (CLEAR)
PASSAGEWAY:	44" MIN.



AERIAL SITE VIEW

Building Envelope Requirements ECNYS Table C402.1.3
Energy Conservation Code of New York State
Climate Zone 5 (Rockland)

Glazed Fenestration U-Factors: Table C402.4

Fixed Fenestration:	U-0.38
Operable Fenestration:	U-0.45
Entrance Doors:	U-0.77
SHGC:	U-0.38

Insulation Requirements: Table C402.1.3

Roof	
Insulation entirely above roof deck:	R30ci
Metal Building:	R19 + R11 LS
Attic and other:	R38
Walls (Above Grade)	
Mass:	R11.4ci
Metal Building:	R13 + R13ci
Metal Framed:	R13 + R7.5ci
Floors	
Mass:	R10ci
Joist/Framing:	R30
Slab on Grade Floors	
Unheated Slabs:	R10 for 24" below

Opaque Doors (Doors having less than 50% glass area)
Swinging: U-0.61

Table C402.5.2 Maximum Air Leakage Rate for Fenestration Assemblies

Windows:	0.20 CFM/FT2
Swinging Doors:	0.20 CFM/FT2
Storefront Glazing:	0.60 CFM/FT2
Commercial Glazed Swinging Entrance Doors:	1.00 CFM/FT2

1011 Stairways
1011.6 Stairway Landings
Every landing shall have a minimum depth, measured parallel to the direction of travel, equal to the width of the stairway or 48 inches, whichever is less.

PLUMBING FIXTURE REQUIRED (GROUP E)
(PER NYSPC TABLE 403.1 GROUP E)

CALCULATED OCCUPANCY	NO. OF MEN	NO. OF WOMEN	MEN'S RESTROOM			WOMEN'S RESTROOM		DRINKING FOUNTAINS	SERVICE SINK
			MEN'S WC	MEN'S URINALS MAX.	MEN'S LAV.	WOMEN'S WC	WOMEN'S LAV.		
1122	561	561	3	8	11	11	11	11	1

PLUMBING FIXTURE PROVIDED

5	7	12	12	12	15	1

PLUMBING FIXTURE REQUIRED FOR GYM ONLY (GROUP E)
(PER NYSPC TABLE 403.1 GROUP E)

CALCULATED OCCUPANCY	NO. OF MEN	NO. OF WOMEN	MEN'S RESTROOM			WOMEN'S RESTROOM		DRINKING FOUNTAIN	SERVICE SINK
			MEN'S WC	MEN'S URINALS MAX.	MEN'S LAV.	WOMEN'S WC	WOMEN'S LAV.		
1318	659	659	5	8	13	13	13	14	1

PLUMBING FIXTURE REQUIRED FOR GYM ONLY (GROUP A-3)
(PER NYSPC TABLE 403.1 GROUP A-3)

CALCULATED OCCUPANCY	NO. OF MEN	NO. OF WOMEN	MEN'S RESTROOM			WOMEN'S RESTROOM		DRINKING FOUNTAIN	SERVICE SINK
			MEN'S WC	MEN'S URINALS MAX.	MEN'S LAV.	WOMEN'S WC	WOMEN'S LAV.		
1333	666	666	2	3	3	10	3	3	1

PLUMBING FIXTURE PROVIDED

2	3	3	10	6	3	1

PLUMBING FIXTURES COUNT FOR GYM
THE TABLES ON LEFT SIDE CALCULATE THE PLUMBING FIXTURE COUNT BASED ON TWO OCCUPANCIES:
1) THE DESIGNATED EDUCATIONAL (E) OCCUPANCY
2) THE PREDOMINANT ASSEMBLY (A-3) OCCUPANCIES

THE TOTAL NUMBER OF THE FIXTURE COUNT DERIVES FROM THE DESIGNATED EDUCATIONAL CLASSIFICATION OF OCCUPANCY TO THAT TREATS ALL SPACES AS CLASSROOM SPACES RESULTING IN HIGH FIXTURE COUNTS, THE TOTALS DERIVED FROM THE PREDOMINANT ASSEMBLY SUB-OCCUPANCIES WHICH ACCURATELY REFLECTS THE USAGE OF THE BUILDING AND SERVE AS THE BASIS FOR THE BUILDING TOTAL FIXTURE COUNTS PROVIDED.

PLUMBING FIXTURE REQUIRED (GROUP A-2)
(PER NYSPC TABLE 403.1 GROUP A-2)

CALCULATED OCCUPANCY	NO. OF MEN	NO. OF WOMEN	MEN'S RESTROOM			WOMEN'S RESTROOM		DRINKING FOUNTAIN
			MEN'S WC	MEN'S URINALS MAX.	MEN'S LAV.	WOMEN'S WC	WOMEN'S LAV.	
11	5	5	0	0	0	0	0	0

OCCUPANCY CALCULATION

ROOM NUMBER	ROOM NAME	AREA	SPACE TYPE	OCCUPANCY GROUP	OCC LOAD FACTOR	CALCULATED OCCUPANCY
FIRST FLOOR						
100B	SECURITY VEST	83 SF	BUSINESS AREAS	A-3	100 SF	1
100C	GREETER BOOTH	80 SF	BUSINESS AREAS	A-3	100 SF	1
101	SCHOOL STORE	442 SF	MERCANTILE	E	60 SF	7
102	WBL #2	492 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	25
103	WBL #1	506 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	25
105	TEACHING KITCHEN #3	1,693 SF	EDUCATIONAL - SHOPS AND OTHER VOCATIONAL ROOM AREAS	E	50 SF	32
105B	WALK-IN REF	124 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	0
105C	WALK-IN FRZ	158 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	1
106A	DRY STOR.	144 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	0
106B	MEN'S LOCKER RM	62 SF	LOCKER ROOMS	A-2	50 SF	1
106C	WOMEN'S LOCKER RM	64 SF	LOCKER ROOMS	A-2	50 SF	1
108	LAUNDRY	63 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	0
109	CLASSROOM	785 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
110	MULTI-PURPOSE/ CLASSROOM	770 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
111	WATER SERVICE RM.	86 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	0
112	ELEC. DEMARC RM	117 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	0
113	TEACHING KITCHEN #1	1,674 SF	EDUCATIONAL - SHOPS AND OTHER VOCATIONAL ROOM AREAS	E	50 SF	33
113A	OFFICE	72 SF	BUSINESS AREAS	B	100 SF	1
113B	DRY STORAGE	114 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	0
114	WOMEN'S LOCKER RM	154 SF	LOCKER ROOMS	A-2	50 SF	3
115	MEN'S LOCKER RM	155 SF	LOCKER ROOMS	A-2	50 SF	3
118B	WALK-IN FREEZER	73 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	0
119	PRODUCTION KITCHEN #2	2,757 SF	KITCHENS, COMMERCIAL	E	200 SF	14
119A	DRY STORAGE	132 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	0
119B	STOR	102 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	0
119C	SERVER RM	56 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	0
119D	BREAKFAST/LUNCH SERVICE	234 SF	KITCHENS, COMMERCIAL	A-2	200 SF	1
120	MECH. RM	1,051 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	4
121	DINING RM	1,736 SF	ASSEMBLY WITHOUT FIXED SEATS - CONCENTRATED (CHAIRS)	E	7 SF	248
121A	DINING ROOM STORAGE	202 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-2	300 SF	1
124	COPY RM	112 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	B	300 SF	0
125	FACULTY LOUNGE	163 SF	BUSINESS AREAS	B	100 SF	2
126	ADMIN	233 SF	BUSINESS AREAS	B	100 SF	2
127	CONF. RM	141 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	B	15 SF	9
128	PRINCIPAL OFFICE	207 SF	BUSINESS AREAS	B	100 SF	2
132	WOMEN'S LOCKER RM	288 SF	LOCKER ROOMS	A-3	50 SF	6
133	MEN'S LOCKER RM	299 SF	LOCKER ROOMS	A-3	50 SF	6
134	MECH. RM	229 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	1
135	GYMNASIUM	6,318 SF	ASSEMBLY WITHOUT FIXED SEATS - STANDING SPACE	A-3	5 SF	1264
135A	STORAGE	178 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	A-3	300 SF	1
135B	BLEACHERS	90 SF	BLEACHERS (PER SED)	A-3	3 SF	27
135D	BLEACHERS	90 SF	BLEACHERS (PER SED)	A-3	3 SF	27
136A	CUSTODIAN OFFICE	61 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	0
136B	J. CL	35 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	0
		22,540 SF				1827
SECOND FLOOR						
201	ELA CLASSROOM	780 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
202	SOCIAL STUDIES CLASSROOM	768 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	38
203	SPANISH CLASSROOM	767 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	38
204	MATH CLASSROOM	774 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
205	CLASSROOM	773 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
206	8TH GRADE CLASSROOM	773 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
207	GROUP CLASSROOM	790 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	40
208	ELA CLASSROOM	779 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
209	CLASSROOM	786 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
210	CLASSROOM	783 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
211	CLASSROOM	781 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
212	CLASSROOM	777 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
213	CLASSROOM	780 SF	EDUCATIONAL - CLASSROOM AREA	E	20 SF	39
220A	MECH. CL	45 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	0
220B	SERVER RM	57 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	0
222	CHEMISTRY	1,149 SF	EDUCATIONAL - SHOPS AND OTHER VOCATIONAL ROOM AREAS	E	50 SF	23
223	EARTH SCIENCE	1,010 SF	EDUCATIONAL - SHOPS AND OTHER VOCATIONAL ROOM AREAS	E	50 SF	20
223A	PREP ROOM	345 SF	EDUCATIONAL - SHOPS AND OTHER VOCATIONAL ROOM AREAS	E	50 SF	7
224	GUIDANCE	125 SF	BUSINESS AREAS	B	100 SF	1
225	GUIDANCE	126 SF	BUSINESS AREAS	B	100 SF	1
226	CONF. RM	225 SF	BUSINESS AREAS	B	100 SF	2
227	COPY RM	90 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	B	15 SF	6
228	CONF. RM	151 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	B	15 SF	10
229	CONF. RM	171 SF	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLES AND CHAIRS)	B	15 SF	11
230	ASSISTANT PRINCIPAL	90 SF	BUSINESS AREAS	B	100 SF	1
232A	J.C.	44 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	E	300 SF	0
235	FITNESS CENTER	963 SF	EXERCISE ROOMS	E	50 SF	19
235A	OFFICE	133 SF	BUSINESS AREAS	B	100 SF	1
		14,833 SF				608
Grand total		37,373 SF				2435

3 ALL GENDER'S WC AND LAV.

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME: CODE COMPLIANCE
SHEET NUMBER: G-021

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
C:\Users\AshwinDsouza\Documents\2333403.00 Rockland BOCES P-Tech C-Tech_R23_nwe_2ckwnTF-d2n.rvt
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ABBREVIATIONS

@	AT	INT	INTERIOR	T	TREAD
A/C	AIR-CONDITIONING	INV	INVERT	T&G	TONGUE AND GROOVE
AB	ANCHOR BOLT	INV EL	INVERT ELEVATION	TD	TRENCH DRAIN
ABC	AGGREGATE BASE COURSE			TEL	TELEPHONE
ACS	ACCESS PANEL	J-BOX	JUNCTION BOX	TERR	TERRAZZO
ACT	ACOUSTICAL CEILING TILE	JAN CLO	JANITOR CLOSET	THK	THICK(NESS)
ADJ	ADJACENT			TK BD	TACKBOARD
AFF	ABOVE FINISHED FLOOR	KD	KNOCKED DOWN	TMPD	TEMPERED
ALT	ALTERNATE	KIT	KITCHEN	TO	TOP OF
ALUM	ALUMINUM	KO	KNOCKOUT	TOB	TOP OF BEAM
ANOD	ANODIZED	KPL	KICK PLATE	TOC	TOP OF CURB / TOP OF CONCRETE
AUTO	AUTOMATIC			TOD	TOP OF DECK
		L	ANGLE	TOF	TOP OF FOOTING
BD	BOARD, BEAD	LAB	LABORATORY	TOM	TOP OF MASONRY
BFF	BELOW FINISHED FLOOR	LAM	LAMINATE	TOP	TOP OF PARAPET / TOP OF PAVEMENT
BLDG	BUILDING	LAV	LAVATORY	TOS	TOP OF STEEL
BLK(G)	BLOCK(ING)	LB	POUND	TOW	TOP OF WALL
BM	BEAM	LF	LINEAR FOOT	TPD	TOILET PAPER DISPENSER
BOT	BOTTOM	LG	LONG, LENGTH	TTB	TELEPHONE TERMINAL BOARD
BRG	BEARING	LH	LEFT HAND	TV	TELEVISION
BSMT	BASEMENT	LL	LIVE LOAD	TYP	TYPICAL
BU	BUILT-UP	LLH	LONG LEG HORIZONTAL		
		LLV	LONG LEG VERTICAL	UBC	UNIFORM BUILDING CODE
C	CHANNEL	LPT	LOW POINT	UGND	UNDERGROUND
C TO C	CENTER TO CENTER	LT	LIGHT	UL	UNDERWRITERS' LABROATORY
CA	CARD ACCESS	LT WT	LIGHTWEIGHT	UNFIN	UNFINISHED
CAB	CABINET	LVR	LOUVER	UNO	UNLESS NOTED OTHERWISE
CB	CATCH BASIN			UR	URINAL
CEM	CEMENT	MATL	MATERIAL		
CEM PLAS	CEMENT PLASTER	MAU	MAKE-UP AIR UNIT	V	VENT
CER	CERAMIC	MAX	MAXIMUM	VB	VAPOR BARRIER
CFCI	CONTRACTOR FURNISH/CONTRACTOR INSTAL	MB	MACHINE BOLT	VCP	VITRIFIED CLAY PIPE
CFM	CUBIC FEET PER MINUTE	MECH	MECHANICAL	VCT	VINYL COMPOSITION TILE
CG	CORNER GUARD	MED	MEDIUM, MEDICAL	VERT	VERTICAL
CI	CAST IRON	MEMB	MEMBRANE	VEST	VESTIBULE
CIP	CAST IRON PIPE, CAST-IN-PLACE	MEZZ	MEZZANINE	VIF	VERIFY IN FIELD
CJ	CONTROL JOINT	MFR	MANUFACTURER	VTR	VENT THROUGH ROOF
CKT	CIRCUIT	MH	MANHOLE	VWC	VINYL WALL COVERING
CL	CENTER LINE	MIN	MINIMUM		
CLNG	CEILING	MISC	MISCELLANEOUS	W	WEST / WIDE OR WIDTH / WASTE
CLR	CLEAR	MM	MILLIMETER	W/	WITH
CMP	CORRUGATED METAL PIPE	MO	MASONRY OPENING	W/O	WITHOUT
CMU	CONCRETE MASONRY UNIT	MOD	MODIFY	W/W	WALL TO WALL
CO	CLEAN-OUT	MR	MOISTURE-RESISTANT	WC	WATERCLOSET
COL	COLUMN	MTD	MOUNTED	WD	WOOD
COMB	COMBINATION	MTL	METAL	WDW	WINDOW
CONC	CONCRETE	MVBL	MOVABLE	WGL	WIRE GLASS
CONN	CONNECT			WH	WALL HUNG, WATER HEATER
CONSTR	CONTRUCTION	N	NORTH	WI	WROUGHT IRON
CONT	CONTINUE	NA	NOT APPLICABLE	WP	WATERPROOF
CORR	CORRIDOR	NEUT	NEUTRAL	WR	WATER RESISTANT
CPT	CARPET	NFPA	NATIONAL FIRE PROTECTION ASSOC.	WS	WEATHERSTRIP
CSK	COUNTER SUNK	NIC	NOT IN CONTRACT	WSCT	WAINSCOT
CT	CERAMIC TILE	NO	NUMBER	WT	WEIGHT
CU	CUBIC	NOM	NOMINAL	WW	WASTEWATER
CU FT	CUBIC FEET	NRC	NOISE REDUCTION COEFFICIENT		
CW	COLD WATER PIPING / CURTAIN WALL	NTS	NOT TO SCALE	YD	YARD
D	DEEP, DEPTH	OA	OVERALL		
DBL	DOUBLE	OC	ON CENTER		
DEMO	DEMOLISH	OD	OUTSIDE DIAMETER		
DEPT	DEPARTMENT	OF	OUTSIDE FACE		
DET	DETAIL	OF/CI	OWNER FURNISH / CONTRACTOR INSTALL		
DF	DRINKING FOUNTAIN	OF/OI	OWNER FURNISH / OWNER INSTALL		
DIA	DIAMETER	OFC	OFFICE		
DIAG	DIAGONAL	OH	OVERHANG		
DIM	DIMENSION	OPH	OPPOSITE HAND		
DISP	DISPENSER	OPNG	OPENING		
DMPF	DAMPPROOFING	OPP	OPPOSITE		
DR	DOOR	ORD	OVERFLOW ROOF DRAIN		
DS	DOWNSPOUT				
DWG	DRAWING	PAR	PARALLEL		
		PBD	PARTICLEBOARD		
E	EAST	PC	PIECE		
EA	EACH	PCC	PRECAST CONCRETE		
EF	EACH FACE	PCF	POUNDS PER CUBIC FOOT		
EIFS	EXT INSULATION AND FINISH SYSTEM	PER	PERIMETER		
EJ	EXPANSION JOINT	PERF	PERFORATE(D)		
EL	ELEVATION	PERP	PERPENDICULAR		
ELEC	ELECTRIC(AL)	PL	PROPERTY LINE		
ELEV	ELEVATOR	PLAM	PLASTIC LAMINATE		
EMER	EMERGENCY	PLAS	PLASTER		
EOS	EDGE OF SLAB	PLBG	PLUMBING		
EQ	EQUAL	PLF	POUNDS PER LINEAR FOOT		
EQUIP	EQUIPMENT	PLYWD	PLYWOOD		
EST	ESTIMATE	PNL	PANEL		
ETC	ETCETERA	PR	PAIR		
EW	EACH WAY	PREFAB	PREFABRICATED		
EWC	ELECTRIC WATER COOLER	PREFIN	PREFINISHED		
EXC	EXCAVATE(TION)	PSF	POUNDS PER SQUARE FOOT		
EXH	EXHAUST	PSI	POUNDS PER SQUARE INCH		
EXIST	EXISTING	PT	PAINT		
EXP	EXPANSION	PT	PRESSURE TREATED		
EXP BT	EXPANSION BOLT	PTD	PAPER TOWEL DISPENSER		
EXT	EXTERIOR	PTN	PARTITION		
		PTR	PAPER TOWEL RECEPTACLE		
FA	FIRE ALARM	PUR	PURLIN		
FACP	FIRE ALARM CONTROL PANEL	PVC	POLYVINYL CHLORIDE		
FCO	FLOOR CLEAN-OUT				
FD	FLOOR DRAIN	QT	QUARRY TILE		
FDTN	FOUNDATION	QTR	QUARTER		
FE	FIRE EXTINGUISHER	QTY	QUANTITY		
FEC	FIRE EXTINGUISHER CABINET				
FF EL	FINISHED FLOOR ELEVATION	R	RADIUS / RISER / ROUND		
FHC	FIREHOSE CABINET	RA	RETURN AIR		
FHR	FIREHOSE RACK	RB	RESILIENT BASE		
FIN	FINISH(ED)	RCP	REFLECTED CEILING PLAN		
FLASH	FLASHING	RD	ROOF DRAIN		
FLEX	FLEXIBLE	REC	RECESSED		
FLR	FLOOR	REF	REFERENCE		
FLUOR	FLUORESCENT	REINF	REINFORCE(D,ING)		
FM	FACTORY MUTUAL	REQD	REQUIRED		
FOW	FACE OF WALL	RESIL	RESILIENT		
FP	FIREPROOF	REV	REVISION / REVERSE		
FR	FIRE RETARDANT	RH	RIGHT HAND		
FRP	FIBERGLASS REINFORCED PANEL	RM	ROOM		
FT	FOOT, FEET	RO	ROUGH OPENING		
FUR	FURRING	ROW	RIGHT-OF-WAY		
FUT	FUTURE	RWL	RAINWATER LEADER		
G	GROUND	S	SOUTH		
GA	GAGE	SA	SUPPLY AIR		
GALV	GALVANIZED	SAP	SUSPENDED ACOUSTICAL PANEL		
GC	GENERAL CONTRACTOR	SC	SOLID CORE		
GFCR	GLASS FIBER REINFORCED CONCRETE	SCHED	SCHEDULE		
GI	GALVANIZED IRON	SD	STORM DRAIN		
GL	GLASS, GLAZING	SDG	SIDING		
GPM	GALLONS PER MINUTE	SECT	SECTION		
GYP	GYPSUM	SF	SQUARE FEET / STOREFRONT		
GYP BD	GYPSUM BOARD	SHR	SHOWER		
		SHT	SHEET		
H	HIGH	SHTHG	SHEATHING		
HB	HOSE BIBB	SIM	SIMILAR		
HC	HOLLOW CORE, HANDICAP	SM	SHEET METAL		
HD	HEAVY DUTY	SPCL	SPECIAL		
HDBD	HARDBOARD	SPEC	SPECIFICATION		
HDWD	HARDWOOD	SPKR	SPEAKER		
HDWR	HARDWARE	SQ	SQUARE		
HM	HOLLOW METAL	SS	SERVICE SINK / STAINLESS STEEL		
HORIZ	HORIZONTAL	ST	STREET		
HP	HORSE POWER	STD	STANDARD		
HT	HEIGHT	STOR	STORAGE		
HVAC	HEATING / VENTILATING / AIR-CONDITIONING	STRUCT	STRUCTURAL		
HW	HOT WATER	SUSP	SUSPENDED		
		SV	SHEET VINYL		
ID	INSIDE DIAMETER	SW	SWITCH		
IF	INSIDE FACE	SWR	SEWER		
IMP	INSULATED METAL PANEL	SYMM	SYMMETRICAL		
INCL	INCLUDED	SYS	SYSTEM		
INFO	INFORMATION				
INS	INSULATION				

ROOF PLAN LEGEND

- EXHAUST FAN
- ROOF DRAIN
- ROOF VENT @ 24" O.C. STAGGERED
- ROOF HATCH
- ROOFTOP MECHANICAL EQUIPMENT
- ROOFTOP MECHANICAL EQUIPMENT
- THROUGH-WALL SCUPPER
- SKYLIGHT
- E.J. — EXPANSION JOINT COVER ASSEMBLY

FLOOR PLAN LEGEND

WALL TYPES:

- DEMOLITION
- NEW CONSTRUCTION

FIRE RATING WALL TYPES:

- SMOKE ZONE PARTITION
- 1 HR FIRE BARRIER
- 2 HR FIRE BARRIER
- TRAVEL DISTANCE

OTHER WALL-MOUNTED COMPONENTS:

- CORNER GUARDS
- FEC — FULL RECESSED FIRE EXTINGUISHER CABINET
- FEC — SEMI-RECESSED FIRE EXTINGUISHER CABINET
- FE — SURFACE MOUNTED FIRE EXTINGUISHER BRACKET
- DENOTES OVERHEAD FIRE SHUTTER
- EXPANSION JOINT

FLOOR-MOUNTED COMPONENTS:

- FLOOR DRAIN
- FLOOR SINK

CEILING PLAN LEGEND

- START POINT
- F — FIRE ALARM PULL STATION
- F — FIRE ALARM AUDIO/VISUAL DEVICE
- HD — HEAT/THERMAL DETECTOR
- OCCUPANCY SENSOR
- CEILING FAN
- VOICE ENHANCEMENT SPEAKER (CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
- INTERCOM (CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
- SUSPENDED ACOUSTICAL CEILING: 1'X1', 2'X2', & 2'X4' SYSTEMS
- TRACK LIGHTING
- SUSPENDED UPLIGHT
- SUSPENDED UPLIGHT
- STRIP LIGHTING FIXTURE LENGTH VARIES
- COVE LIGHT
- 30" DEEP RADIANT
- P — PHOTO CELL
- SD — SMOKE DETECTOR
- S — INTERCOM SPEAKER
- CLASSROOM SPEAKER
- A — AUDIO/VISUAL FIXTURE
- C — CAMERA
- V — TONE/VISUAL FIXTURE
- CCTV SURVEILLANCE FIXTURE
- MS — MOTION SENSOR
- EXIT SIGN
- E — EMERGENCY LIGHT
- ACCESS PANEL (ACS)
- EXTERIOR LIGHT FIXTURE
- CEILING MOUNTED WALL PROJECTOR
- GYPSUM WALLBOARD, CEMENT OR GYP PLASTER
- EXPOSED STRUCTURE
- EXISTING TO REMAIN
- WOOD T&G CEILING
- SUPPLY DIFFUSER
- SUPPLY DIFFUSER
- RETURN AIR GRILLE
- RETURN REGISTER
- EXHAUST GRILLE
- FORCE AIR DIFFUSER
- SIDE WALL DIFFUSER
- 2' X 4' LIGHT FIXTURE
- 2' X 2' LIGHT FIXTURE
- 1' X 2' LIGHT FIXTURE
- 1' X 1' LIGHT FIXTURE
- LIGHT FIXTURE LENGTH VARIES
- WALL MOUNTED LIGHT FIXTURE
- WALL MOUNTED LIGHT FIXTURE
- RECESSED DOWNLIGHT

ANNOTATION LEGEND

- TITLE / 12" = 1'-0" — A1 — VIEW TITLE
- A1 / A101 — EXTERIOR BUILDING ELEVATION
- A / A101 — INTERIOR ELEVATION
- 1 / A101 — BUILDING SECTION
- 1 / A101 — WALL SECTION
- A1 / A101 — DETAIL
- PATTERN DIRECTION
- ROOM NAME / 101 — ROOM NAME & NUMBER
- 101A — DOOR NUMBER
- HM-X — FRAME TYPE
- A — WINDOW TYPE
- A — CURTAIN PANEL TYPE
- A01 — WALL TYPE
- LEVEL 100'-0" — ELEVATION
- X / X'- XX" — CEILING HEIGHT (AFF)
- 1 / A — COLUMN GRID
- 1 — REVISION CLOUD & DELTA
- PT-X / RB-X / VCT-X — WALL FINISH / BASE FINISH / FLOOR FINISH
- PT-X — DESIGNATED WALL FINISH
- VCT-X — DESIGNATED FLOOR FINISH
- XXX / XXX — MILLWORK COUNTERTOP/SPLASH MILLWORK WALL OR BASE CABINETS
- ACCESSIBLE ROOMS WITH MOBILITY FEATURES
- ACCESSIBLE ROOMS WITH COMMUNICATION FEATURES
- NORTH ARROW

MATERIAL LEGEND

- EARTH
- GLASS
- AGGREGATE BASE COURSE
- SAND, MORTAR, GYP BD, GROUT, PLASTER
- CONCRETE
- CONCRETE MASONRY UNIT
- BRICK
- STEEL
- RIGID INSULATION
- BATT INSULATION
- ACOUSTICAL PANEL
- PLYWOOD, OSB
- FINISH WOOD
- DIMENSIONAL LUMBER, CONTINUOUS
- DIMENSIONAL LUMBER BLOCKING
- EXISTING

GENERAL ARCHITECTURAL NOTES

1. EXTERIOR DIMENSIONS GIVEN TO THE EXTERIOR FACE OF FRAMING (STUDS). DIMENSIONS TO INTERIOR PARTITIONS ARE TO THE FACE OF GYP OR CMU UNLESS NOTE OTHERWISE.
2. LARGE SCALE DETAILS AND PLANS TAKE PRECEDENCE OVER SMALL SCALE DRAWINGS.
3. ALL ITEMS ARE CONSIDERED TO BE "NEW" UNLESS NOTED OTHERWISE.
4. COORDINATE AND VERIFY ALL DIMENSIONS, OPENINGS AND CONDITIONS WITH CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND ALL OTHER PERTINENT DRAWINGS AND TRADES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF DISCREPANCIES AS SOON AS POSSIBLE.
5. DO NOT SCALE DRAWINGS.
6. ALL DETAILS ARE TYPICAL, INCORPORATE INTO PROJECT AT APPROPRIATE LOCATIONS WHETHER SPECIFICALLY INDICATED OR NOT.
7. HINGE SIDE OF ALL DOORS ARE LOCATED 3" (OR 2 STUDS) FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
8. THE DRAWINGS & SPECIFICATIONS ARE COMPLIMENTARY DOCUMENTS NEITHER TAKE PRECEDENT OVER THE OTHER. CONFLICTS IN SPECIFICATIONS AND DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION.
9. THIS SET OF DRAWINGS INDICATES GENERAL SCOPE OF THE PROJECT. THE DRAWINGS DO NOT NECESSARILY INDICATE OR DESCRIBE ALL WORK REQUIRED FOR FULL PERFORMANCE AND COMPLETION OF THE REQUIREMENTS OF THE CONTRACT. ON BASIS OF SCOPE INDICATED OR DESCRIBED, CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR PROPER EXECUTION AND COMPLETION OF THE WORK.
10. ALL CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF APPLICABLE LOCAL, STATE AND FEDERAL CODES OR REGULATIONS.
11. ALL NEW CONSTRUCTION SHALL MEET CURRENT REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
12. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UNDERGROUND UTILITIES BEFORE PROCEEDING WITH EXCAVATION, TRENCHING OR SIMILAR WORK. THESE DRAWINGS DO NOT CERTIFY THE EXISTENCE OF UTILITIES WHICH MAY BE PRESENT BUT UNRECORDED OR UNDETECTED.
13. PROVIDE LINTELS OR HEADERS AS REQUIRED OR DIRECTED OVER OPENINGS PENETRATED BY MECHANICAL EQUIPMENT.
14. PROVIDE MIN. 2X6 FIRE RETARDANT WOOD OR STEEL PLATE BLOCKING BETWEEN STUDS AT MOUNTING LOCATIONS FOR TOILET ACCESSORIES, HANDRAILS, GUARDRAILS, MILLWORK AND OTHER WALL MOUNTEDITEMS.
15. PROVIDE CODE COMPLIANT NON-COMBUSTIBLE BLOCKING, SUPPORTS, ETC., FOR SECURE, INSTALLATION OF WALL MOUNTED ITEMS. CONTRACTOR TO DETERMINE TYPE OF BLOCKING AND ANCHORING AS REQUIRED TO SUIT INSTALLATION AND WALL CONDITION. REFER TO ARCHITECTURAL DRAWINGS FOR STANDARD DETAILS AND MOUNTING HEIGHTS.
16. PROVIDE SECURE AND PERMANENT ANCHORAGE FOR CEILING FURRING AND OTHER CEILING MOUNTED ITEMS, SIESMIC REQUIREMENTS APPLY.
17. PROVIDE FIRE STOPPING AT ALL PENETRATIONS OF WALLS AND FLOORS AS SPECIFIED IN SPEC SECTION - FIRESTOPPING.
18. ALL SUBSTITUTIONS OF MATERIALS AND ASSEMBLIES MUST BE APPROVED BY ARCHITECT IN ACCORDANCE WITH DIVISION 1 SPECIAL CONDITIONS.
19. CONTRACTOR IS REQUIRED TO PROVIDE CONTROL AND EXPANSION JOINTS IN ALL ASSEMBLIES PER SPECIFICATION.
20. CONTRACTOR SHALL PROVIDE ACCESS TO ALL FIRE DAMPERS AND SPRINKLER HEADS.
21. ALL PIPING, DUCTWORK AND CONDUIT TO BE CONCEALED UNLESS NOTED OTHERWISE.
22. ALL EXISTING SITE COMPONENTS TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. ALL DAMAGED SURFACES AND EQUIPMENT SHALL BE REPAIRED OR REPLACED BY CONTRACTOR AS REQUIRED BY THE OWNER'S REP.
23. SITE SURVEY IS PROVIDED BY OTHERS AND IS INCLUDED FOR INFORMATION ONLY. ALL CONDITIONS TO BE FIELD VERIFIED BY CONTRACTOR.
24. CONTRACTOR SHALL MAINTAIN SITE DRAINAGE DURING CONSTRUCTION.
25. CONTRACTOR SHALL MAINTAIN A CLEAN AND SECURE SITE AS REQUIRED BY DIVISION 1 - CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS.
26. VERIFY THE FOLLOWING WITH THE RESPECTIVE TRADES:
    A. SIZES AND LOCATIONS FOR BACKING/BLOCKING REQUIRED FOR MOUNTING MECH. AND / OR ELEC. EQUIPMENT
    B. SIZES AND LOCATIONS OF MECH. AND/OR ELEC. PENETRATIONS
    C. CUTTING AND PATCHING FOR WORK REQUIRED BY MECH. AND / OR ELEC.
27. HOT WATER LINES AND DRAIN LINES UNDERNEATH ACCESSIBLE SINKS SHALL BE INSULATED.
28. PROVIDE SPRAY-ON TYPE FIREPROOFING FOR ALL STRUCTURAL STEEL FRAMING AS REQUIRED, EXCEPT AT EXPOSED STEEL, UNO.
29. PROVIDE SEISMIC SPLAY WIRES & PROVIDE COMPRESSION STRUTS FOR ACOUSTICAL TILE & GYP BD SUSPENSION SYSTEMS.
30. ALL CONSTRUCTION SHALL COMPLY TO RESPECTIVE SEISMIC REQUIREMENT SEE STRUCT DRAWINGS FOR SEISMIC CHARACTERISTICS.
31. EXPOSED ENDS OF ALL PROJECTING ELEMENTS SUCH AS SILLS, LEDGES & SIMILAR COMPONENTS FABRICATED IN METAL, STONE & OTHER MATERIALS SHALL BE FINISHED SAME AS FACE.
32. FOR SPRAY-APPLIED AND INTUMESCENT FIRE PROTECTION SCOPE, REFER TO SCHEDULE AT END OF SECTION 07 81 23 INTUMESCENT FIREPROOFING
33. ALL EXTERIOR WINDOW DIMENSIONS ARE TO BRICK COURSING, THEREFORE THE CONTRACTOR SHALL ALLOW FOR PROPER RO DIMENSIONS TO STUD, CMU, AND ANY OTHER NEW WALL OPENING CONDITIONS TO PROPERLY SET ALL SHIMS, ANCHORS, AND BACKER RODS WITH SEALANT. IT'S THE DESIGN INTENT THAT EXTERIOR WINDOWS ARE SEALED COMPLETELY AROUND THE ENTIRE WINDOW WITH EXTERIOR SEALANT, SECONDARY BACKER, AND SEALANT ATTACHED TO THE AIR AND MOISTURE BARRIER.
34. IT'S THE RESPONSIBILITY OF THE CONTRACTOR TO DETAIL IN THEIR RESPECTIVE SHOP DRAWINGS ALL THE NECESSARY ATTACHMENTS WHICH INCLUDES THE SEALANT AND ALL REQUIRED INFORMATION.
35. IT'S THE RESPONSIBILITY OF THE GC/CONTRACTORS TO FIELD VERIFY ALL WINDOW OPENINGS PRIOR TO FABRICATION TO ENSURE THE RO ARE PROPERLY CREATED AND WILL HOUSE THE WINDOWS CORRECTLY AND ENSURE THAT THE WINDOWS HAVE OPTIMAL DESIGN PERFORMANCE WITHIN THE GIVEN WALL STRUCTURE.
36. PROVIDE FIRE STOP CAULKING SLEEVES AND MINERAL WOOL WITH SMOKE SEAL AT ALL WALL AND FLOOR OPENINGS BETWEEN FLOORS. ALL EXTERIOR FLOORS TO WALLS ARE TO BE SEALED WITH FIRE STOPPING MATERIALS AS REQUIRED TO MEET ALL STATE AND LOCAL CODES.

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REGISTERED ARCHITECT — ARMANDO SAMUEL QUADRINI — 022313 — STATE OF NEW YORK

EXP. DATE : 03/31/2028

ROCKLAND BOCES — ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: GENERAL NOTES / ABBREVIATIONS / LEGENDS AND SYMBOLS
SHEET NUMBER: G-031

BID SET

DRAWN BY: AJNY
CHECKED BY: AJNY
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WALL TYPE NOTES

1. ALL WALLS ARE TYPE A3.0 UNLESS NOTED OTHERWISE.
2. USE TYPE "X" GYP. BOARD THROUGH OUT UNLESS NOTED OTHERWISE.
3. IN ALL PARTITIONS DO NOT PLACE ELECTRICAL BOXES OR SIMILAR DEVICES BACK TO BACK OR SIDE TO SIDE IN MANNER TO DIMINISH ACOUSTIC RATING. CAULK PER MANUFACTURE'S RECOMMENDATION TO ALL BOXES.
4. REFER TO LIFE SAFETY PLAN SHEETS G-100'S, FOR FIRE RATED WALL LOCATIONS.
5. PROVIDE SOUND BATT INSULATION IN ALL UNIT DEMISING WALLS, UNIT CORRIDOR WALLS, BATHROOM WALLS, ELEVATOR WALLS.
6. AT PENETRATIONS IN RATED WALLS EXCEEDING 96 SQ. INCHES, LINE THE PENETRATION WITH THE SAME LAYERS OF GYP. BD. AS THE WALL. ONE LAYER FIRE RATED GYPSUM BOARD FOR 1 HR. WALLS AND TWO LAYERS FOR 2 HR. WALLS
7. PROVIDE TILE BACKER BOARD BEHIND ALL CERAMIC TILE.
8. PROVIDE WATER/ MOISTURE RESISTANT GYPSUM BOARD U.O.N. IN ALL ROOMS OR SPACES CONTAINING PLUMBING FIXTURES. ALL METAL STUD PARTITONS W/ CERAMIC TILE FINISH SHALL HAVE CEMENT BOARD AND/OR WATER RESISTANT GYPSUM WALL BOARD (5/8" TYPE 'X' GYP. BD. WITH 5/8" CEMENT BOARD AND WATERPROOF MEMBRANE BEHIND ALL TILE AND 5/8" MR GYP. BD. ABOVE TILE WHERE TILE STOPS AT 5'-0" AFF). SEE INTERIOR ELEVATIONS.
9. ALL TOP TRACKS ON NON LOAD BEARING WALLS TO BE SLIP TRACKS.
10. PROVIDE 1 1/2" SPRAY APPLIED INSULATION ONLY WHERE METAL STUD WALL MEETS THE ROOF.
11. PROVIDE ABUSE RESISTANT GYPSUM BOARD AT ALL EXTERIOR WALLS AS WELL AS WHITEBOARD WALLS UP TO 6'-0" AFF.
12. PROVIDE CODE COMPLIANT NON-COMBUSTIBLE BLOCKING, SUPPORTS, ETC., FOR SECURE, INSTALLATION OF WALL MOUNTED ITEMS. CONTRACTOR TO DETERMINE TYPE OF BLOCKING AND ANCHORING AS REQUIRED TO SUIT INSTALLATION AND WALL CONDITION. REFER TO ARCHITECTURAL DRAWINGS FOR STANDARD DETAILS AND MOUNTING HEIGHTS.
13. PROVIDE CORNER GUARDS FOR ALL INTERIOR GYPSUM BOARD PARTITIONS. R GYPSUM BOARD PARTITIONS.
14. SUPPLY AND WASTE PIPING SHALL NOT MAKE DIRECT CONTACT WITH FRAMING ELEMENTS OR WALL SURFACES. WHERE HORIZONTAL PIPING RUNS OCCUR, STUD PENETRATIONS SHALL BE ISOLATED USING OVERSIDED PENETRATION COLLARS WITH NEOPRENE INSERTS.
15. AT INTERSECTION OF RATED AND NON-RATED PARTITIONS/WALLS, THE RATED PARTITION/WALL MUST BE CONTINUOUS TO MAINTAIN INTEGRITY OF FIRE-RATING. IF SEPARATION BETWEEN ELECTRICAL OUTLET AND/OR SWITCH BOXES IS LESS THAN 24" IN SAME WALL CAVITY, PROVIDE FIRE-RATED PUTTY PADS AT EACH BOX. SEE ANSI/UL263 (BXUV) METALLIC ELECTRICAL OUTLET BOXES.
16. PROVIDE IMPACT RESISTANT GYPSUM BOARD AT ALL CORRIDORS, LOBBIES, GYMNASIUMS/FITNESS ROOM AND ENTIRES.

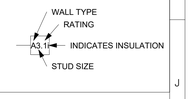
PARTITION TYPE LEGEND

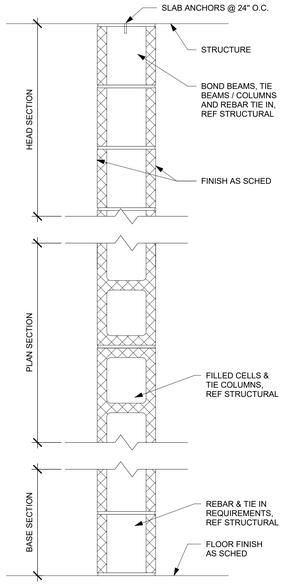
WALL TYPE
A = ACOUSTICAL WALL
C = CHASE WALL
F = FURRING WALL
M = MASONRY WALL
P = PARTIAL HEIGHT WALL
S = SHAFT WALL
T = SHEAR WALL

RATING
.0 = 30 MINUTE RATING
.1 = 1 HOUR RATING
.2 = 2 HOUR RATING

STUD SIZE
X = NO FRAMING MEMBER
0 = 7/8"
1 = 1 5/8"
2 = 2 1/2"
3 = 3 5/8"
4 = 4"
6 = 6"
8 = 8"
10=10"

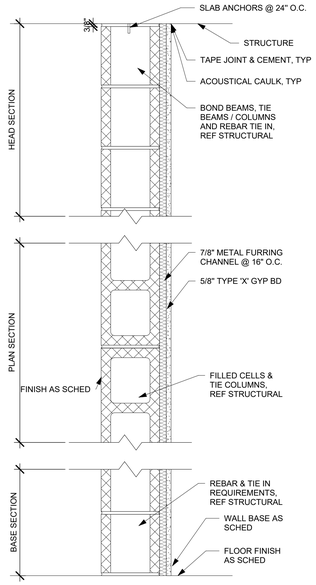
WALL TAG KEY





WALL TYPE M

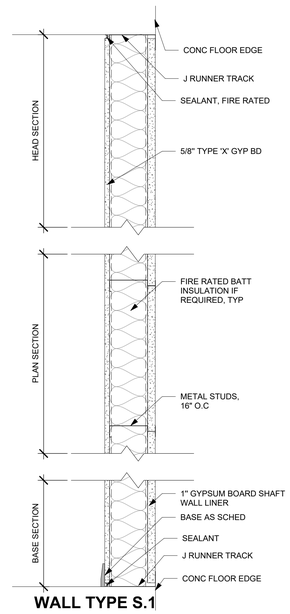
CONCRETE MASONRY UNIT
CORE WALL UNIT, WITH OR WITHOUT.
INTERIOR FURR OUT, ONE OR BOTH SIDES
2 HR FIRE RATING
STC (DESIGNED) = 65



WALL TYPE N

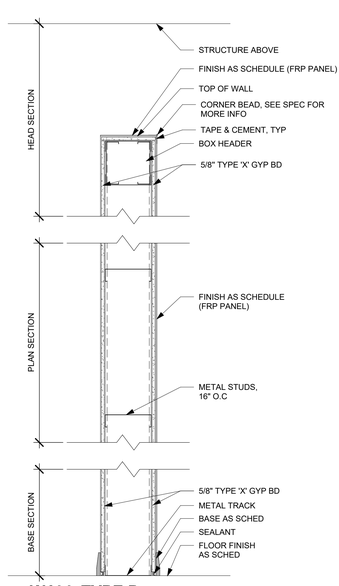
N1- 8" CONCRETE MASONRY UNIT
CORE WALL UNIT, WITH ONE SIDE 7/8" METAL AND 5/8" GYP BD
2 HR FIRE RATING
STC (DESIGNED) = 65

N2- 10" CONCRETE MASONRY UNIT
CORE WALL UNIT, WITH ONE SIDE 7/8" METAL AND 5/8" GYP BD
2 HR FIRE RATING
STC (DESIGNED) = 65



WALL TYPE S.1

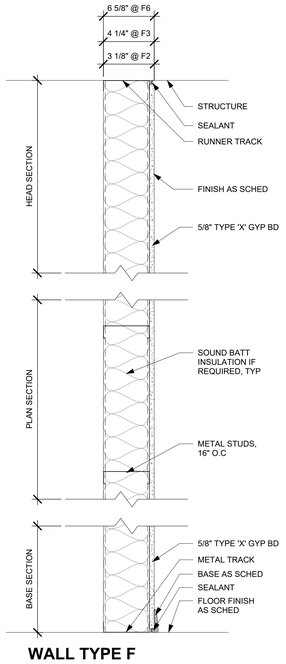
ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON ONE SIDE OF CH STUD
ONE LAYER 1" SHAFT WALL
FIRE RATED BATT INSULATION IN CAVITY
UL# = U415 SYSTEM A
1 HR FIRE RATING
STC (DESIGNED) = 39



WALL TYPE P

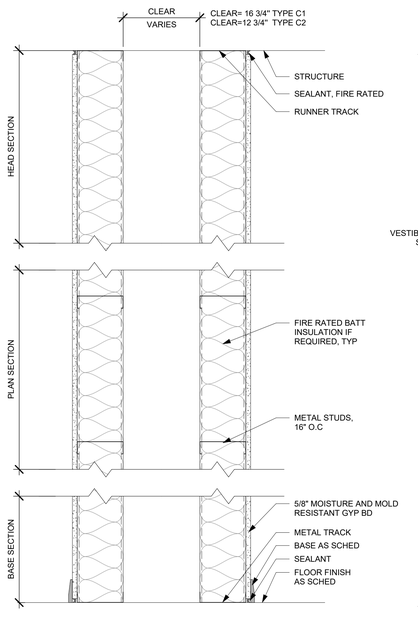
P3 - ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON BOTH SIDES OF 3 5/8"METAL STUDS
5' HEIGHT

P4- ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON ONE SIDE OF 3 5/8"METAL STUDS
6' HEIGHT



WALL TYPE F

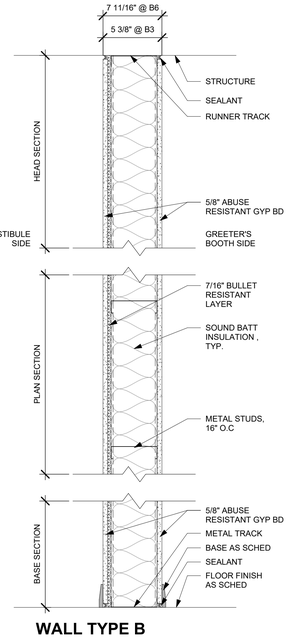
ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON ONE SIDE OF METAL STUDS



WALL TYPE C1 -CLEAR @ 16 3/4"
WALL TYPE C2- CLEAR @ 12 3/4"

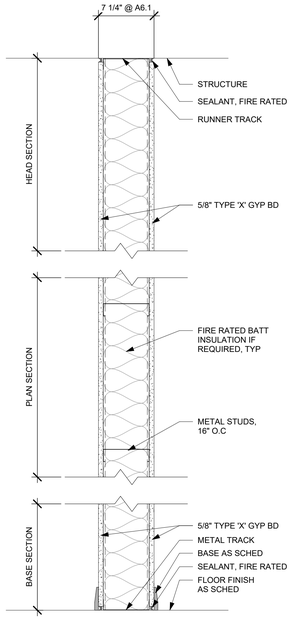
ONE LAYER 5/8" MOISTURE AND MOLD
RESISTANT GYPSUM WALLBOARD ON ONE SIDE
OF METAL STUDS

C1- TO BE USED AT BACK TO BACK TOILETS
C2- TO BE USED AT ONE SIDED TOILETS



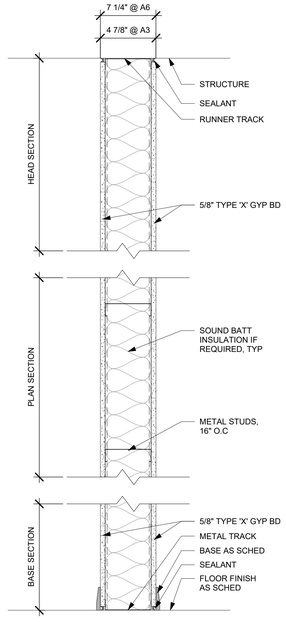
WALL TYPE B

ONE LAYER 5/8" ABUSE RESISTANT GYPSUM
WALLBOARD ON BOTH SIDES OF METAL STUDS
BATT INSULATION IN SUAVITY
BULLET RESISTANT LAYER ON VESTIBULES SIDE
UL # = U419 AS REQ'D FOR FIRE RATING.
STC (DESIGNED) = 52



WALL TYPE A.1

ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON BOTH SIDES OF METAL STUDS
FIRE RATED BATT INSULATION IN CAVITY
UL# = U465
1 HR FIRE RATING
STC (DESIGNED) = 52



WALL TYPE A

ONE LAYER 5/8" TYPE 'X' GYPSUM WALLBOARD
ON BOTH SIDES OF METAL STUDS
BATT INSULATION IN CAVITY
UL # = U419 AS REQ'D FOR FIRE RATING.
STC (DESIGNED) = 52

WALL TYPE LEGEND
1 1/2" = 1'-0" — A1

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EXP. DATE : 03/31/2028

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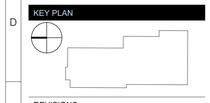
ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: EXTERIOR WALL ASSEMBLIES & INTERIOR WALL TYPES
SHEET NUMBER: G-041

BID SET

DRAWN BY: AJ/KH
CHECKED BY: Author
C:\Users\KohenDocuments\2023403.06 Rockland BOCES P-Tech C-Tec\3_RSD_rev_KOH.rvt-P-233.rvt
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302 FLOOR OR GROUND SPACE

NOT TO SCALE

NOTES:

302.2. CARPET. CARPET OR CARPET TILE SHALL BE SECURELY ATTACHED AND SHALL HAVE A FIRM CUSHION, PAD, OR BACKING OR NO CUSHION OR PAD. CARPET OR CARPET TILE SHALL HAVE A LEVEL LOOP, TEXTURED LOOP, LEVEL CUT PILE, OR LEVEL UNCUT PILE TEXTURE. PILE HEIGHT SHALL BE 1/2" (13MM) MAXIMUM. EXPOSED EDGES OF CARPET SHALL BE FASTENED TO FLOOR SURFACES AND SHALL HAVE TRIM ON THE ENTIRE LENGTH OF EXPOSED EDGE. CARPET EDGE TRIM SHALL COMPLY WITH SECTION 303.
ADVISORY 302.2 CARPET. CARPETS AND PERMANENTLY AFFIXED MATS CAN SIGNIFICANTLY INCREASE THE AMOUNT OF FORCE (ROLL RESISTANCE) NEEDED TO PROPEL A WHEEL CHAIR OVER A SURFACE. THE FIRMER THE CARPETING AND BACKING, THE LOWER THE ROLL RESISTANCE. A PILE THICKNESS UP TO 1/2" (13MM) IS ALLOWED, ALTHOUGH A LOWER PILE PROVIDES EASIER WHEELCHAIR MANEUVERING. IF A BACKING, CUSHION OR PAD IS USED, IT MUST BE FIRM. PREFERABLY, CARPET PAD SHOULD NOT BE USED.

302.3. **OPENINGS.** OPENINGS IN FLOOR OR GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" (13MM) DIAMETER EXCEPT AS ALLOWED IN 407.4.3, 409.4.3, 410.4, 810.53 AND 810.10. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

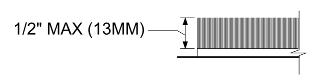

FIG. 302.2 CARPET PILE HEIGHT

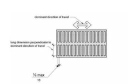
FIG. 302.2 CARPET PILE HEIGHT

303 CHANGES IN LEVEL

NOT TO SCALE

NOTES:

303.2. VERTICAL. CHANGES IN LEVEL OF 1/4 INCH (6.4 MM) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL.

303.3 BEVELED. CHANGES IN LEVEL BETWEEN 1/4 INCH (6.4 MM) HIGH MINIMUM AND 1/2 INCH (13 MM) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.

ADVISORY 303.3 BEVELED. A CHANGE IN LEVEL OF 1/2" (13 MM) IS PERMITTED TO BE 1/4" (6.4 MM) VERTICAL PLUS 1/4" (6.4 MM) BEVELED. HOWEVER, IN NO CASE MAY THE COMBINED CHANGE IN LEVEL EXCEED 1/2" (13 MM). CHANGES IN LEVEL EXCEEDING 1/2" (13 MM) MUST COMPLY WITH 405 (RAMPS) OR 406 (CURB RAMPS)

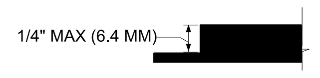

FIG. 303.2 VERTICAL CHANGE IN LEVEL

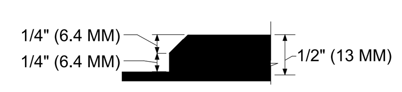

FIG. 303.3 BEVELED CHANGE IN LEVEL

304 TURNING SPACE

NOT TO SCALE

NOTES:

304.2. FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACES OF A TURNING SPACE SHALL COMPLY 302. CHANGES IN LEVEL ARE NOT PERMITTED.
EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

304.3.1 CIRCULAR SPACE. THE TURNING SPACE SHALL BE A SPACE OF 60" (1525) DIAMETER MINIMUM. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

304.3.2 T-SHAPED SPACE. THE TURNING SPACE SHALL BE PER FIGURE 304.3.2. THE SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306 ONLY AT THE END OF EITHER THE BASE OR ONE ARM

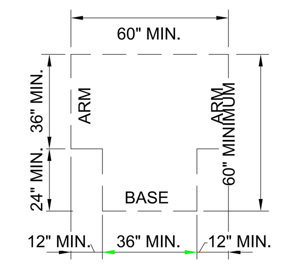

FIG. 304.3.2 T-SPACE TURNING SPACE

305 CLEAR FLOOR OR GROUND SPACE

NOT TO SCALE

NOTES:

305.2 FLOOR OR GROUND SURFACES. FLOOR OR GROUND SURFACES OF A CLEAR FLOOR OR GROUND SPACE SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.

305.4 KNEE AND TOE CLEARANCE. UNLESS OTHERWISE SPECIFIED, CLEAR FLOOR OR GROUND SPACE SHALL BE PERMITTED TO INCLUDE KNEE AND TOE CLEARANCE COMPLYING WITH 306.

305.6 APPROACH. ONE FULL UNOBSTRUCTED SIDE OF THE "CLEAR FLOOR SPACE" SHALL ADJOIN AN ACCESSIBLE ROUTE OR ADJOIN ANOTHER CLEAR FLOOR OR GROUND SPACE.

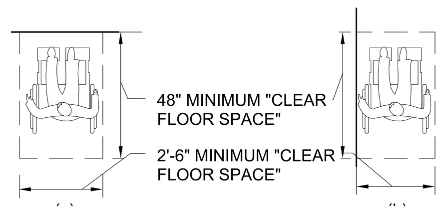

FIG. 305.5 POSITION OF CLEAR FLOOR OR GROUND SPACE

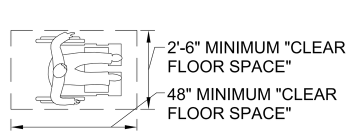

FIG. 305.3 CLEAR FLOOR OR GROUND SPACE

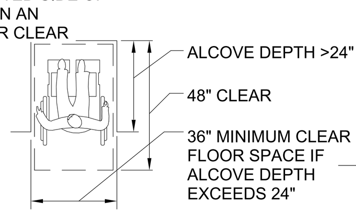

FIG. 305.7.1 FORWARD APPROACH

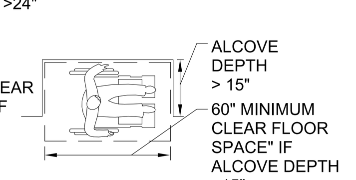

FIG. 305.7.2 PARALLEL APPROACH

MANEUVERING CLEARANCE IN AN ALCOVE FORWARD AND PARALLEL APPROACH

306 KNEE AND TOE CLEARANCE

NOT TO SCALE

NOTES:

KNEE AND TOE CLEARANCE.
306.2 TOE CLEARANCE.
306.2.1 GENERAL SPACE UNDER AN ELEMENT BETWEEN THE FINISH FLOOR OR GROUND AND 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED TOE CLEARANCE AND SHALL COMPLY WITH 306.2.
306.2.2 MAXIMUM DEPTH. TOE CLEARANCE SHALL EXTEND 25" (635 MM) MAXIMUM UNDER AN ELEMENT.
306.2.3. MINIMUM REQUIRED DEPTH. WHERE TOE CLEARANCE IS REQUIRED AT AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE TOE CLEARANCE SHALL EXTEND 17" (430 MM) MINIMUM UNDER AN ELEMENT.
306.2.4. ADDITIONAL CLEARANCE. SPACE EXTENDING GREATER THAN 6" (150 MM) BEYOND THE AVAILABLE KNEE CLEARANCE AT 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL NOT BE CONSIDERED TOE CLEARANCE.

306.3 KNEE CLEARANCE.
306.3.1 GENERAL. SPACE UNDER AN ELEMENT BETWEEN 9" (230 MM) AND 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND SHALL BE CONSIDERED KNEE CLEARANCE AND SHALL COMPLY WITH 306.3.
306.3.2 MAXIMUM DEPTH. KNEE CLEARANCE SHALL EXTEND 25" (635 MM) MAXIMUM UNDER AN ELEMENT AT 9" (230 MM) ABOVE THE FINISH FLOOR OR GROUND.
306.3.3 MINIMUM REQUIRED DEPTH. WHERE KNEE CLEARANCE IS REQUIRED UNDER AN ELEMENT AS PART OF A CLEAR FLOOR SPACE, THE KNEE CLEARANCE SHALL BE 11" (280 MM) DEEP MINIMUM AT 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND.
306.3.4 CLEARANCE REDUCTION. BETWEEN 9" (230 MM) AND 27" (685 MM) ABOVE THE FINISH FLOOR OR GROUND, THE KNEE CLEARANCE SHALL BE PERMITTED TO REDUCE AT A RATE OF 1" (25 MM) IN DEPTH FOR EACH 6" (150MM) IN HEIGHT.
306.3.5 WIDTH. KNEE CLEARANCE SHALL BE 30" (760 MM) WIDE MINIMUM.

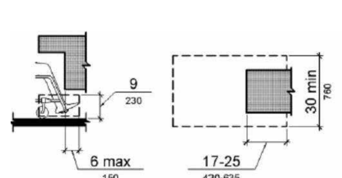

FIG. 306.2 TOE CLEARANCE

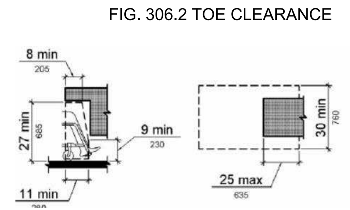

FIG. 306.3 KNEE CLEARANCE

307 PROTRUDING OBJECTS

NOT TO SCALE

NOTES:

307.2 PROTRUSION LIMITS OBJECTS WITH LEADING EDGES MORE THAN 27" (685 MM) AND NOT MORE THAN 80" (2030) ABOVE THE FINISH FLOOR OR GROUND SHALL PROTRUDE 4" (100 MM) MAXIMUM HORIZONTALLY INTO THE CIRCULATION .
EXCEPTION: HANDRAILS SHALL BE PERMITTED TO PROTRUDE 4 1/2" (115 MM) MAXIMUM.

307.3. POST MOUNTED OBJECTS. FREE-STANDING OBJECTS MOUNTED ON POSTS OR PYLON SHALL OVERHANG CIRCULATION PATHS 12" (305 MM) MAXIMUM WHEN LOCATED 27" (685 MM) MINIMUM AND 80" (2030 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE A SIGN OR OTHER OBSTRUCTION IS MOUNTED BETWEEN POSTS OR PYLONS AND THE CLEAR DISTANCE THE POST AND PYLONS IS GREATER THEN 12" (305 MM), THE LOWEST EDGE OF SUCH SIGN OR OBSTRUCTION SHALL BE 27" (685 MM) MAXIMUM OR 80" (2030 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
EXCEPTION: THE SLOPING PORTIONS OF HANDRAILS SERVING STAIRS AND RAMPS SHALL NOT BE REQUIRED TO COMPLY WITH 307.3.

307.4. VERTICAL CLEARANCE. VERTICAL CLEARANCE SHALL BE 80" (2030 MM) HIGH MINIMUM. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE THE VERTICAL CLEARANCE IS LESS THAN 80" (2030 MM) HIGH. THE LEADING EDGE OF SUCH GUARDRAIL OR BARRIER SHALL BE LOCATED 27" (685 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
EXCEPTION: DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78" (19980 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

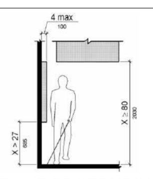

FIG.307.2 LIMITS OF PROTRUDING OBJECTS

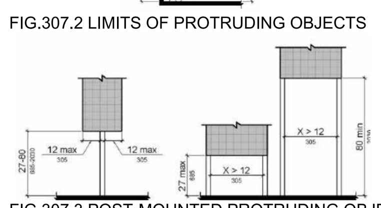

FIG.307.3 POST-MOUNTED PROTRUDING OBJECTS

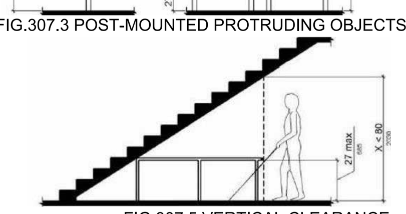

FIG.307.5 VERTICAL CLEARANCE

308 REACH RANGES

NOT TO SCALE

NOTES:

308.2 FORWARD REACH
308.2.1 UNOBSTRUCTED. WHERE A FORWARD REACH IS UNOBSTRUCTED, THE HIGH FORWARD REACH SHALL BE 48" (1220 MM) MAXIMUM AND THE LOW FORWARD REACH SHALL BE 15" (380 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

308.2.2 OBSTRUCTED HIGH REACH. WHERE A HIGH FORWARD REACH IS OVER AN OBSTRUCTION, THE CLEAR FLOOR SPACE SHALL EXTEND BENEATH THE ELEMENT FOR A DISTANCE NOT LESS THAN THE REQUIRED REACH DEPTH OVER THE OBSTRUCTION. THE HIGH FORWARD REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 20 INCHES (510 MM), THE HIGH FORWARD REACH SHALL BE 44 INCHES (1120 MM) MAXIMUM AND THE REACH DEPTH SHALL BE 25 INCHES (635 MM) MAXIMUM.

308.3. SIDE REACH.
308.3.1 UNOBSTRUCTED. WHERE A CLEAR FLOOR OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE SIDE REACH IS UNOBSTRUCTED, THE HIGH SIDE REACH SHALL BE 48" (1220 MM) MAXIMUM. THE HIGH SIDE REACH SHALL BE 48 INCHES (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10 INCHES (255 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10 INCHES (255 MM) MAXIMUM, THE HIGH SIDE REACH SHALL BE 46 INCHES (1170 MM) MAXIMUM FOR A REACH DEPTH OF 24 INCHES (610 MM) MAXIMUM.
EXCEPTION 1: AN OBSTRUCTION SHALL BE PERMITTED BETWEEN THE CLEAR FLOOR OR GROUND SPACE AND THE ELEMENT WHERE THE DEPTH OF THE OBSTRUCTION IS 10" (255 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.
308.3.2. OBSTRUCTED HIGH REACH. WHERE A CLEAR FLOOR GROUND OR GROUND SPACE ALLOWS A PARALLEL APPROACH TO AN ELEMENT AND THE HIGH SIDE REACH IS OVER AN OBSTRUCTION, THE HEIGHT OF THE OBSTRUCTION SHALL NE 34" (865 MM) MAXIMUM AND THE DEPTH SHALL BE 24" (255 MM) MAXIMUM. THE HIGH SIDE OF REACH SHALL BE 48" (1220 MM) MAXIMUM FOR A REACH DEPTH OF 10" (255 MM) MAXIMUM. WHERE THE REACH DEPTH EXCEEDS 10" (255 MM), THE HIGH SIDE REACH SHALL BE 46" (1170 MM) MAXIMUM FOR A REACH DEPTH OF 24" (610 MM) MAXIMUM.
EXCEPTION: 1. THE TOP OF WASHING MACHINES AND CLOTHES DRYERS SHALL BE PERMITTED TO BE 36" (915 MM) MAXIMUM ABOVE THE FINISH FLOOR.
2. OPERABLE PARTS OF FUEL DISPENSERS SHALL BE PERMITTED TO BE 54" (1370 MM) MAXIMUM MEASURED FROM THE SURFACE OF THE VEHICULAR WAY WHERE FUEL DISPENSERS ARE INSTALLED ON EXISTING CURBS.

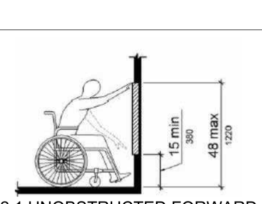

FIG. 308.2.1 UNOBSTRUCTED FORWARD REACH

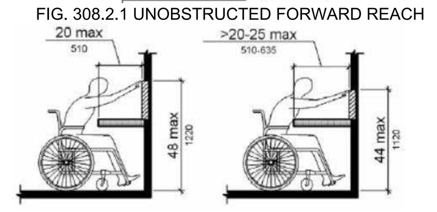

FIG. 308.2.2 OBSTRUCTED HIGH FORWARD REACH

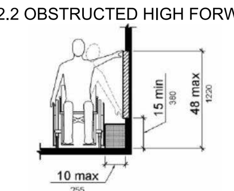

FIG. 308.3.1 UNOBSTRUCTED SIDE REACH

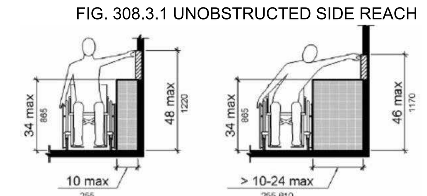

FIG. 308.3.2 OBSTRUCTED HIGH SIDE REACH

402 ACCESSIBLE ROUTES

NOT TO SCALE

NOTES:

402.1. GENERAL. ACCESSIBLE ROUTES SHALL COMPLY WITH 402.
402.2. COMPONENTS. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORWAYS, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, ELEVATORS, AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF CHAPTER 4.

403 WALKING SURFACES

NOT TO SCALE

NOTES:

403.1. GENERAL. WALKING SURFACES THAT ARE A PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH 403.

403.2. FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACES SHALL COMPLY WITH 302.

403.3 SLOPE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20. THE CROSS SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:48.

403.4. CHANGES IN LEVEL. CHANGES IN LEVEL SHALL COMPLY WITH 303.

403.5. CLEARANCES. WALKING SURFACES SHALL PROVIDE CLEARANCE COMPLYING WITH 403.5.
EXCEPTION: WITHIN EMPLOYEE WORK AREAS, CLEARANCES ON COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF THE WORK BEING PERFORMED.

403.5.1. CLEAR WIDTH. EXCEPT AS PROVIDED IN 403.5.2. AND 403.5.3, THE CLEAR WIDTH OF WALKING SURFACES SHALL BE 36" (915 MM) MINIMUM.
EXCEPTION: THE CLEAR WIDTH SHALL BE PERMITTED TO BE REDUCED TO 32" (815 MM) MINIMUM FOR A LENGTH OF 24" (610 MM) MAXIMUM PROVIDED THAT REDUCED WIDTH SEGMENTS ARE SEPARATED BY SEGMENTS THAT ARE 48" (1220 MM) LONG MINIMUM AND 36" (915 MM) WIDE MINIMUM.

403.5.2. CLEAR WIDTH AT TURN. WHERE THE ACCESSIBLE ROUTE MAKES A 180 DEGREE TURN AROUND AN ELEMENT WHICH IS LESS THAN 48" (1220 MM) WIDE, CLEAR WIDTH SHALL BE 42" (1065 MM) MINIMUM APPROACHING THE TURN, 48" (1220 MM) MINIMUM AT THE TURN AND 42" (1065 MM) MINIMUM LEAVING THE TURN.
EXCEPTION: WHERE THE CLEAR WIDTH AT THE TURN IS 60" (1525 MM) MINIMUM COMPLIANCE WITH 403.5.2 SHALL NOT BE REQUIRED.

403.5.3. PASSING SPACES. AN ACCESSIBLE ROUTE WITH A CLEAR WIDTH LESS THAN 60" (1525 MM) SHALL PROVIDE SPACES AT INTERVALS OF 200' (61M) MAXIMUM. PASSING SPACES SHALL BE EITHER: A SPACE 60" (1525 MM) MINIMUM BY 60" (1525 MM) MINIMUM; OR, AN INTERSECTION OF TWO WALKING SURFACES PROVIDING A T-SHAPED SPACE COMPLYING WITH 304.3.2 WHERE THE BASE AND ARMS OF T-SHAPED SURFACES PROVIDING A T-SPACE EXTEND 48" (1220 MM) MINIMUM BEYOND THE INTERSECTION.
403.6 HANDRAILS. WHERE HANDRAILS ARE PROVIDED ALONG WALKING SURFACES WITH RUNNING SLOPES NOT STEEPER THAN 1:20 THEY SHALL COMPLY WITH 505.

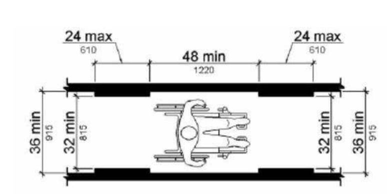

FIG. 403.5.1 CLEAR WIDTH OF AN ACCESSIBLE ROUTE

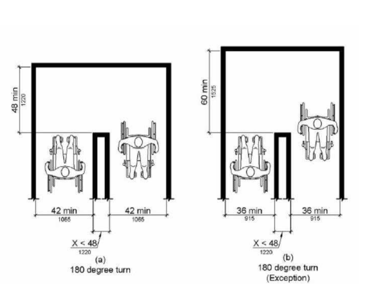

FIG. 403.5.2 CLEAR WIDTH AT TURN

404 DOORS, DOORWAYS, AND GATES

NOT TO SCALE

NOTES:

404.2.2. DOUBLE-LEAF DOORS AND GATES. AT LEAST ONE OF THE ACTIVE LEAVES OF DOORWAYS WITH TWO LEAVES SHALL COMPLY WITH 404.2.3 AND 404.2.4.

404.2.3. CLEAR WIDTH. DOOR OPENINGS SHALL PROVIDE A CLEAR WIDTH OF 32" (815 MM) MINIMUM. CLEAR OPENINGS OF DOORWAYS WITH SWINGING DOORS SHALL BE MEASURED BETWEEN THE FACE OF THE DOORS AND THE STOP, WITH THE DOOR OPEN 90 DEGREES. OPENINGS MORE THAN 24" (610 MM) DEEP SHALL PROVIDE A CLEAR OPENING OF 36" (915 MM) MINIMUM. THERE SHALL BE NO PROJECTIONS INTO THE REQUIRED CLEAR OPENING WIDTH LOWER THAN 34" (865 MM) ABOVE THE FINISH FLOOR OR GROUND. PROJECTIONS INTO THE CLEAR OPENING WIDTH BETWEEN 34" (865 MM) AND 80" (2030 MM) ABOVE THE FINISH FLOOR OR SHALL NOT EXCEED 4" (100 MM).
EXCEPTION: 1. IN ALTERATIONS, A PROJECTION OF 5/8" (16 MM) MAXIMUM INTO THE REQUIRED CLEAR WIDTH SHALL BE PERMITTED FOR THE LATCH SIDE STOP. **2.** DOOR CLOSERS AND DOOR STOPS SHALL BE PERMITTED TO BE 78" (1980 MM) MINIMUM ABOVE THE FINISH FLOOR OR GROUND.

404.2.4.1. SWINGING DOORS AND GATES. SWINGING DOORS AND GATES SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.1.

404.2.4.2. DOORWAYS WITHOUT DOORS OR GATES, SLIDING DOORS, AND FOLDING DOORS. DOORWAYS LESS THEN 36" (915 MM) WIDE WITHOUT DOORS OR GATES, SLIDING DOORS, OR FOLDING DOORS SHALL HAVE MANEUVERING CLEARANCES COMPLYING WITH TABLE 404.2.4.2.

404.2.4.3. RECESSED DOORS AND GATES. MANEUVERING CLEARANCE FOR FORWARD APPROACH SHALL BE PROVIDED WHEN ANY OBSTRUCTION WITHIN 18" (455 MM) OF THE LATCH SIDE OF A DOORWAY PROJECTS MORE THAN 8" (205 MM) BEYOND THE FACE OF THE DOORWAY PROJECTS MORE THAN 8" (205 MM) BEYOND THE FACE OF THE DOOR, MEASURED PERPENDICULAR TO THE FACE OF THE DOOR OR GATE.
ADVISORY 404.2.4.3 RECESSED DOORS AND GATES. A DOOR CAN BE RECESSED DUE TO WALL THICKNESS OR BECAUSE OF THE PLACEMENT OF CASEWORK AND OTHER FIXED ELEMENTS ADJACENT TO THE DOORWAY. THIS PROVISION MUST BE APPLIED WHEREVER DOORS ARE RECESSED.

404.2.5. THRESHOLDS. THRESHOLDS, IF PROVIDED AT DOORWAYS, SHALL BE 1/2" (13 MM) HIGH MAXIMUM. RAISED THRESHOLDS AND CHANGES IN LEVEL AT DOORWAYS SHALL COMPLY WITH 302 AND 303.
EXCEPTION: EXISTING OR ALTERED THRESHOLDS 3/4" (19 MM) HIGH MAXIMUM THAT HAVE A BEVELED EDGE ON EACH SIDE WITH A SLOPE NOT STEEPER THAN 1:2 SHALL NOT BE REQUIRED TO COMPLY WITH 404.2.5.

404.2.6. DOORS AND GATES IN SERIES. THE DISTANCE BETWEEN TWO HINGED OR PIVOTED DOORS IN SERIES AND GATES IN SERIES SHALL BE 48" (1220 MM) MINIMUM PLUS THE WIDTH OF DOORS OR GATES SWINGING INTO THE SPACE.

404.2.7. DOOR AND GATE HARDWARE. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL COMPLY WITH 309.4. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" (865 MM) MINIMUM AND 48" (1220 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. WHERE SLIDING DOORS ARE IN FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED AND USABLE FROM BOTH SIDES.
EXCEPTIONS: 1. EXISTING LOCKS SHALL BE PERMITTED IN ANY LOCATION AT EXISTING GLAZED DOORS WITHOUT STILES, EXISTING OVERHEAD ROLLING DOORS OR GRILLES, AND SIMILAR EXISTING DOORS OR GRILLES THAT ARE DESIGNED WITH LOCKS THAT ARE ACTIVATED ONLY AT THE TOP OR BOTTOM RAIL. **2.** ACCESS GATES IN BARRIER WALLS AND FENCES PROTECTING POOLS, SPAS, AND HOT TUBS SHALL BE PERMITTED TO HAVE OPERABLE PARTS OF THE RELEASE OF LATCH ON SELF-LATCHING DEVICES AT 54" (1370 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND PROVIDED THE SELF-LATCHING DEVICES ARE NOT ALSO SELF LOCKING DEVICES AND OPERATED BY MEANS OF A KEY, ELECTRONIC OPENER, OR INTEGRAL COMBINATION LOCK.
ADVISORY 404.2.7 DOOR AND GATE HARDWARE. DOOR HARDWARE THAT CAN BE OPERATED WITH A CLOSED FIST OR A LOOSE GRIP ACCOMMODATED THE GREATEST RANGE OF USERS. HARDWARE THAT REQUIRES SIMULTANEOUS HAND AND FINGER MOVEMENTS REQUIRE GREATER DEXTERITY AND COORDINATION, AND IS NOT RECOMMENDED.

404.2.8.1. DOOR CLOSERS AND GATE CLOSERS. DOOR CLOSERS AND GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.

404.2.9. DOOR AND GATE OPENING FORCE. FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE OTHER THAN FIRE DOORS AND GATES SHALL BE AS FOLLOWS
1. INTERIOR HINGED DOORS 5 POUNDS (22.2 K) MAXIMUM.
2. SLIDING OR FOLDING DOORS: 5 POUNDS (22.2 K) MAXIMUM.
3. EXTERIOR HINGED DOORS SHALL BE DESIGNED SO THAT SUCH DOORS CAN BE PUSHED OR PULLED OPEN WITH A FORCE NOT EXCEEDING 8.5 POUNDS (37.8 K).

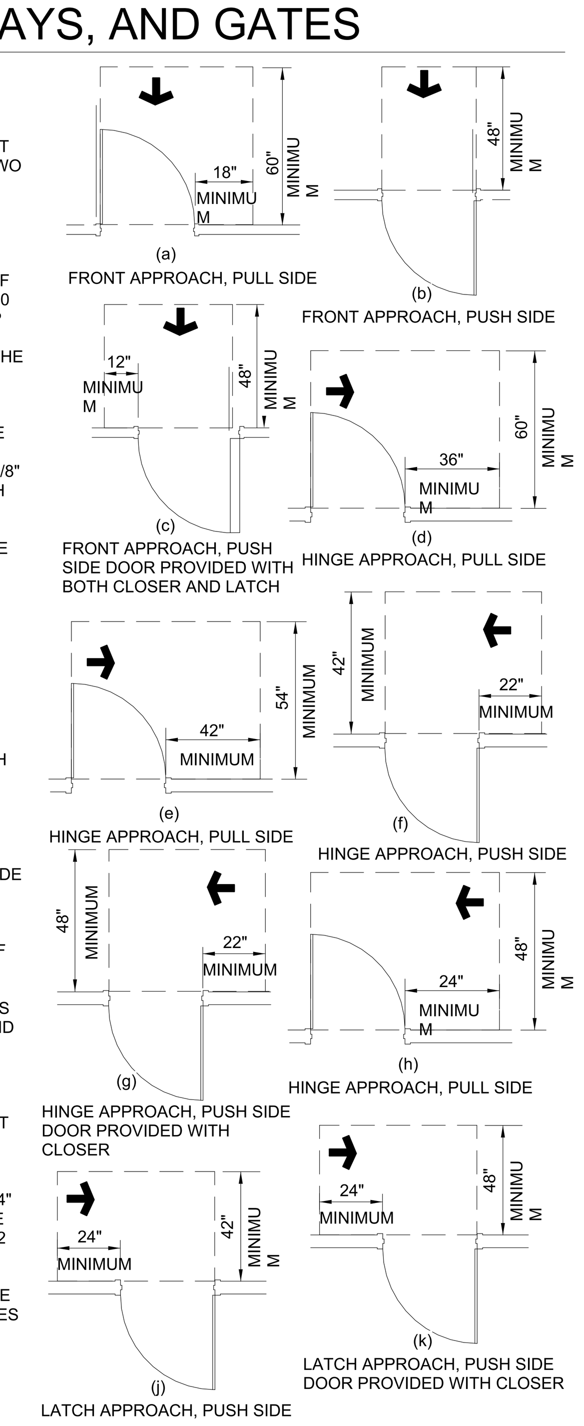

FIG. 404.2.4.1 MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS AND GATES

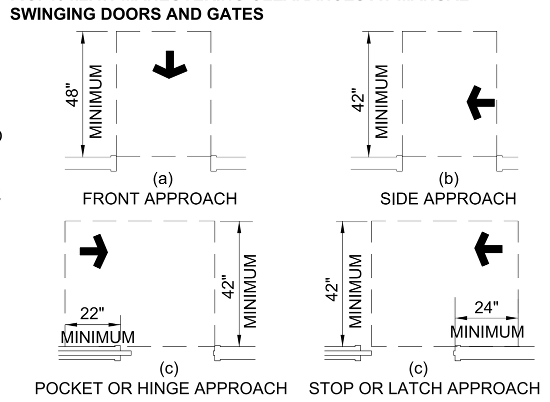

FIG. 404.2.4.2 MANEUVERING CLEARANCES AT DOORWAYS WITHOUT DOORS, SLIDING DOORS,GATES, AND FOLDING DOORS.

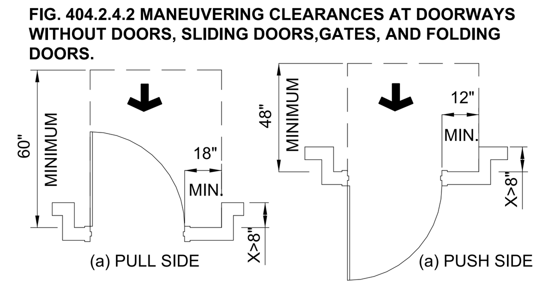

FIG. 404.2.4.3. RECESSED DOORS AND GATES.

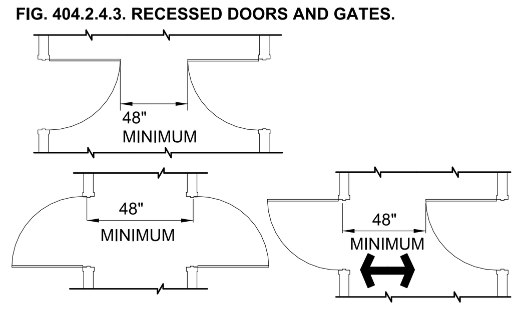

FIG. 404.2.7. DOORS IN SERIES AND GATES IN SERIES

405 RAMPS

NOT TO SCALE

NOTES:

405.2. SLOPE. RAMP RUNS SHALL HAVE A RUNNING SLOPE NOT STEEPER THAN 1:12.
EXCEPTION: IN EXISTING SITES, BUILDINGS, AND FACILITIES, RAMPS SHALL BE PERMITTED TO HAVE RUNNING SLOPES STEEPER THEN 1:12 COMPLYING WITH TABLE 405.2 WHERE SUCH SLOPES ARE NECESSARY DUE TO SPACE LIMITATIONS.
ADVISORY 405.2 SLOPE. TO ACCOMMODATE THE WIDEST RANGE OF USERS, PROVIDE RAMPS WITH THE LEAST POSSIBLE RUNNING SLOPE AND, WHEREVER POSSIBLE, ACCOMPANY RAMPS WITH STAIRS FOR USE BY THOSE INDIVIDUALS FOR WHOM DISTANCE PRESENTS A GREATER BARRIER THAN STEPS, E.G., PEOPLE WITH HEART DISEASE OR LIMITED STAMINA.

405.3. CROSS SLOPE. CROSS SLOPE OF RAMP RUNS SHALL NOT BE STEEPER THAN 1:48.
ADVISORY 405.3 CROSS SLOPE. CROSS SLOPE IS THE SLOPE OF THE SURFACE PERPENDICULAR TO THE DIRECTION OF TRAVEL. CROSS SLOPE IS MEASURED THE SAME WAY AS SLOPE IS MEASURED (I.E., THE RISE OVER THE RUN).

405.5 CLEAR WIDTH. THE CLEAR WIDTH OF A RAMP RUN AND, WHERE HANDRAILS ARE PROVIDED, THE CLEAR WIDTH BETWEEN HANDRAILS SHALL BE 36" (915 MM) MINIMUM.
EXCEPTION: WITHIN EMPLOYEE WORK AREAS, THE REQUIRED CLEAR WIDTH OF RAMPS THAT ARE A PART OF COMMON USE CIRCULATION PATHS SHALL BE PERMITTED TO BE DECREASED BY WORK AREA EQUIPMENT PROVIDED THAT THE DECREASE IS ESSENTIAL TO THE FUNCTION OF THE WORK BEING PERFORMED.

405.6. RISE. THE RISE FOR ANY RAMP RUN SHALL BE 30" (760 MM) MAXIMUM.

405.7. LANDINGS. RAMPS SHALL HAVE LANDINGS AT THE TOP AND THE BOTTOM OF EACH RAMP RUN. LANDING SHALL COMPLY WITH 405.7.
ADVISORY 405.7 LANDINGS: RAMPS THAT DO NOT HAVE LEVEL LANDINGS AT CHANGES IN DIRECTION CAN CREATE A COMPOUND SLOPE THAT WILL NOT MEET THE REQUIREMENTS OF THIS CODE. CIRCULAR OR CURVED RAMPS CONTINUALLY CHANGE DIRECTION. CURVILINEAR RAMPS WITH SMALL RADII ALSO CAN CREATE COMPOUND CROSS SLOPES AND CANNOT, BY THEIR NATURE, MEET THE REQUIREMENTS FOR ACCESSIBLE ROUTES. A LEVEL LANDING IS NEEDED AT THE ACCESSIBLE DOOR TO PERMIT MANEUVERING AND SIMULTANEOUSLY DOOR OPERATION.

405.7.1. SLOPE. LANDINGS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.
EXCEPTION: SLOPES NOT STEEPER THAN 1:48 SHALL BE PERMITTED.

405.7.2. WIDTH. THE LANDING CLEAR WIDTH SHALL BE ATLEAST AS WIDE AS THE WIDEST RAMP RUN LEADING TO THE LANDING.

405.7.3. LENGTH. THE LANDING CLEAR LENGTH SHALL BE 60" (1525 MM) LONG MINIMUM.

405.8 HANDRAILS. RAMP RUNS WITH A RISE GREATER THAN 6" (150 MM) SHALL HAVE HANDRAILS COMPLYING WITH 505.
EXCEPTION: WITHIN EMPLOYEE WORK AREAS, HANDRAILS SHALL NOT BE REQUIRED WHERE RAMPS THAT ARE PART OF COMMON USE CIRCULATION PATHS ARE DESIGNED TO PERMIT THE INSTALLATION OF HANDRAILS COMPLYING WITH 505. RAMPS NOT SUBJECT TO THE EXCEPTION TO 405.5 SHALL BE DESIGNED TO MAINTAIN A 36" (915 MM) MINIMUM CLEAR WIDTH WHEN HANDRAILS ARE INSTALLED.

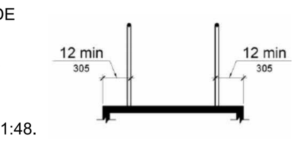

FIG. 405.9.1 EXTENDED FLOOR OR GROUND SURFACE EDGE PROTECTION

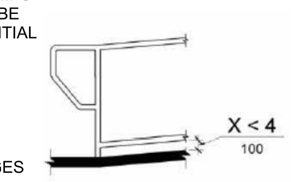

FIG. 405.9.2 CURB OR BARRIER EDGE PROTECTION

405.9 EDGE PROTECTION. EDGE PROTECTION COMPLYING WITH 405.9.1 OR 405.9.2 SHALL BE PROVIDED ON EACH SIDE OF RAMP RUNS AND AT EACH SIDE OF RAMP LANDINGS.
EXCEPTIONS: 1. EDGE PROTECTION SHALL NOT BE REQUIRED ON RAMPS THAT ARE NOT REQUIRED TO HAVE HANDRAILS AND HAVE SIDES COMPLYING WITH 406.3. **2.** EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS SERVING AN ADJOINING RAMP RUN OR STAIRWAY. **3.** EDGE PROTECTION SHALL NOT BE REQUIRED ON THE SIDES OF RAMP LANDINGS HAVING A VERTICAL DROP-OFF OF 1/2" (13 MM) MAXIMUM WITHIN 10" (255 MM) HORIZONTALLY OF THE MINIMUM LANDING AREA SPECIFIED IN 405.7.

405.9.1 EXTENDED FLOOR OR GROUND SURFACE. THE FLOOR OR GROUND SURFACE OF THE RAMP RUN OR LANDING SHALL EXTEND 12" MINIMUM BEYOND THE INSIDE FACE OF A HANDRAIL COMPLYING WITH 505.
ADVISORY 405.9.1 EXTENDED FLOOR OR GROUND SURFACE. THE EXTENDED SURFACE PREVENT @ 24" O.C. STAGGEREDS WHEELCHAIR CASTERS AND CRUTCH TIPS FROM SLIPPING OFF THE RAMP SURFACE.

405.9.2. CURB OR BARRIER. A CURB OR BARRIER SHALL BE PROVIDED THAT PREVENT @ 24" O.C. STAGGEREDS THE PASSAGE OF A 4" (100MM) DIAMETER SPHERE, WHERE ANY PORTION OF THE SPHERE IS WITHIN 4" OF FINISH FLOOR OR GROUND SURFACE.

406 CURB RAMPS

NOT TO SCALE

NOTES:

406.1. GENERAL. CURB RAMPS ON ACCESSIBLE ROUTES SHALL COMPLY WITH 406, 405.2 THROUGH 405.5, AND 405.10

406.2. COUNTER SLOPE. COUNTER SLOPES OF ADJOINING GUTTERS AND ROAD SURFACES IMMEDIATELY ADJACENT TO THE CURB RAMP SHALL NOT BE STEEPER THAN 1:20. THE ADJACENT SURFACES AT TRANSITIONS AT CURB RAMPS TO WALKS, GUTTERS, AND STREETS SHALL BE AT THE SAME LEVEL.

406.3 SIDES OF CURB RAMPS. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT BE STEEPER THAN 1:10.

406.4. LANDINGS. LANDINGS SHALL BE PROVIDED AT THE TOPS OF CURB RAMPS. THE LANDING CLEAR LENGTH SHALL BE 36" (915 MM) MINIMUM. THE LANDING CLEAR WIDTH SHALL BE AT LEAST AS WIDE AS THE CURB RAMP, EXCLUDING FLARED SIDES, LEADING TO THE LANDING.
EXCEPTION: IN ALTERNATIONS, WHERE THERE IS NO LANDING AT THE TOP OF CURB RAMPS, CURB RAMP FLARES SHALL BE PROVIDED AND SHALL NOT BE STEEPER THAN 1:12.

406.6. DIAGONAL CURB RAMPS. DIAGONAL OR CORNER TYPE CURB RAMPS WITH RETURNED CURBS OR OTHER WELL-DEFINED EDGES SHALL HAVE THE EDGES PARALLEL TO THE DIRECTION OF PEDESTRIAN FLOW. THE BOTTOM OF DIAGONAL CURB RAMPS SHALL HAVE A CLEAR SPACE 48" (1220 MM) MINIMUM OUTSIDE ACTIVE TRAFFIC LANES OF THE ROADWAY. DIAGONAL CURB RAMPS PROVIDED AT MARKED CROSSINGS SHALL PROVIDE THE 48" (1220 MM) MINIMUM CLEAR SPACE WITHIN THE MARKINGS. DIAGONAL CURB RAMP AND WITHIN THE MARKED CROSSING.

406.7. ISLANDS. RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES. EACH CURB RAMP SHALL HAVE A LEVEL AREA 48" (1220 MM) LONG MINIMUM BY 36" (915 MM) WIDE MINIMUM AT THE TOP OF THE RAMP CURB IN THE PART OF THE ISLAND INTERSECTED BY THE CROSSINGS.
EACH 48 INCH (1220 MM) MINIMUM BY 36 INCH (915 MM) MINIMUM AREA SHALL BE ORIENTED SO THAT THE 48 INCH (1220 MM) MINIMUM LENGTH IS IN THE DIRECTION OF THE RUNNING SLOPE OF THE CURB RAMP IT SERVES. THE 48 INCH (1220 MM) MINIMUM BY 36 INCH (915 MM) MINIMUM AREAS AND THE ACCESSIBLE ROUTE SHALL BE PERMITTED TO OVERLAP.

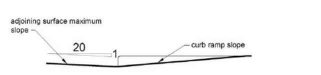

FIG. 406.2 COUNTER SLOPE OF SURFACES ADJACENT TO CURB RAMPS.

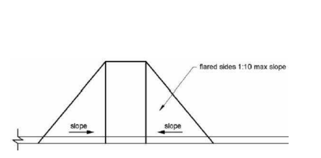

FIG. 406.3 SIDES OF CURB RAMPS

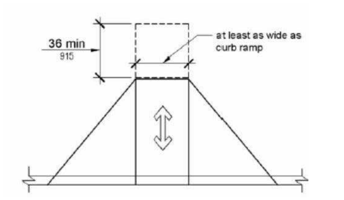

FIG. 406.4 LANDINGS AT THE TOP OF CURB RAMPS

407 ELEVATORS

NOT TO SCALE

NOTES:

407.2.1. CALL CONTROLS. WHERE ELEVATOR CALL BUTTONS OR KEYPADS ARE PROVIDED, THEY SHALL COMPLY WITH 407.2.1 AND 309.4. CALL BUTTONS SHALL BE RAISED OR FLUSH.
EXCEPTION: EXISTING ELEVATORS SHALL BE PERMITTED TO HAVE RECESSED CALL BUTTONS.

407.2.1.1. HEIGHT. CALL BUTTONS AND KEYPADS SHALL BE LOCATED WITHIN ONE OF THE REACH RANGES SPECIFIED IN 308, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART.
EXCEPTION: EXISTING CALL BUTTONS AND EXISTING KEYPADS SHALL BE PERMITTED TO BE LOCATED AT 54" (1370 MM) MAXIMUM ABOVE THE FINISH FLOOR, MEASURED TO THE CENTERLINE OF THE HIGHEST OPERABLE PART.

407.2.2 HALL SIGNALS. HALL SIGNALS, INCLUDING IN-CAR SIGNALS, SHALL COMPLY WITH 407.2.2.

407.2.1.2. SIZE. CALL BUTTONS SHALL BE 3/4" (19MM) MINIMUM IN THE SMALLEST DIMENSION.
EXCEPTION: EXISTING ELEVATOR CALL BUTTON SHALL NOT BE REQUIRED TO COMPLY WITH 407.2.1.2.

407.2.3.1. FLOOR DESIGNATION. FLOOR DESIGNATIONS COMPLY WITH 703.2 AND 703.4.1 SHALL BE PROVIDED ON BOTH JAMBS OF ELEVATOR HOISTWAY ENTRANCES. FLOOR DESIGNATIONS SHALL BE PROVIDED IN BOTH TACTILE CHARACTERS AND BRAILLE. TACTILE CHARACTERS SHALL BE 2" (51 MM) HIGH MINIMUM. A TACTILE STAR SHALL BE PROVIDED ON BOTH JAMBS AT THE MAIN ENTRY LEVEL.

407.3.2. OPERATION. ELEVATOR HOISTWAY AND CAR DOORS SHALL OPEN AND CLOSE AUTOMATICALLY.
EXCEPTION: EXISTING MANUALLY OPERATED HOISTWAY SWING DOORS SHALL BE PERMITTED PROVIDED THAT THEY COMPLY WITH 404.2.3 AND 404.2.9. CAR DOOR CLOSING SHALL NOT BE INITIATED UNTIL THE HOISTWAY DOOR IS CLOSED.

407.3.3. REOPENING DEVICE. ELEVATOR DOORS SHALL BE PROVIDED WITH A REOPENING DEVICE COMPLYING WITH 407.3.3 THAT SHALL STOP AND REOPEN A CAR DOOR AND HOISTWAY DOOR AUTOMATICALLY IF THE DOOR BECOMES OBSTRUCTED BY AN OBJECT OR PERSON.
EXCEPTION: EXISTING ELEVATORS WITH MANUALLY OPERATED DOORS SHALL NOT BE REQUIRED TO COMPLY WITH 407.3.3.

407.4.6.4.1. HEIGHT. EMERGENCY CONTROL BUTTONS SHALL HAVE THEIR CENTERLINES 35" (890 MM) MINIMUM ABOVE THE FINISH FLOOR.

407.4.6.4.2. LOCATION. EMERGENCY CONTROLS INCLUDING THE EMERGENCY ALARM, SHALL BE GROUPED AT THE BOTTOM OF THE PANEL.

410.5. OPERABLE PARTS. CONTROLS FOR PLATFORM LIFTS SHALL COMPLY WITH 309.

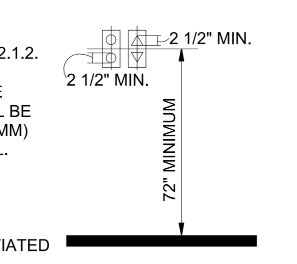

FIG. 407.2.2.2 VISIBLE HALL SIGNAL

504 STAIRWAYS

NOT TO SCALE

NOTES:

504.1. GENERAL. STAIRS SHALL COMPLY WITH 504.

504.2. TREADS AND RISERS. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTHS. RISER SHALL BE 4" (100 MM) HIGH MINIMUM AND 7" (18- MM) HIGH MAXIMUM. TREADS SHALL BE 11" (28- MM) DEEP MINIMUM.

504.4. TREAD SURFACE. STAIR TREADS SHALL COMPLY WITH 302. CHANGES IN LEVEL ARE NOT PERMITTED.
EXCEPTION: TREADS SHALL BE PERMITTED TO HAVE A SLOPE NOT STEEPER THAN 1:48.
ADVISORY 504.4 TREAD SURFACE. CONSIDER PROVIDING VISUAL CONTRAST ON TREAD NOSINGS, OR AT THE LEADING EDGES OF TREADS WITHOUT NOSINGS, SO THAT STAIR TREADS ARE MORE VISIBLE FOR PEOPLE WITH LOW VISION.

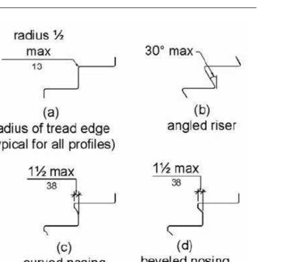

FIG. 504.5 STAIR NOSINGS

505 HANDRAILS

NOT TO SCALE

NOTES:

505.4. HEIGHT. TOP OF GRIPPING SURFACES OF HANDRAILS SHALL BE 34" (865 MM) MINIMUM AND 38" (965 MM) MAXIMUM VERTICALLY ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE WALKING SURFACES, STAIR NOSINGS, AND RAMP SURFACES.
ADVISORY 505.4 HEIGHT. THE REQUIREMENTS FOR STAIR AND RAMP HANDRAILS IN THIS CODE ARE FOR ADULTS. WHEN CHILDREN ARE THE PRINCIPAL USERS IN A BUILDING OR FACILITY (EG., ELEMENTARY SCHOOLS), A SECOND SET OF HANDRAILS AT AN APPROPRIATE HEIGHT CAN ASSIST THEM AND AID IN PREVENTING ACCIDENTS. A MAXIMUM HEIGHT OF 28" (710 MM) MEASURED TO THE TOP OF THE GRIPPING SURFACE FROM THE RAMP SURFACE OR STAIR NOSING IS RECOMMENDED FOR HANDRAILS DESIGNED FOR CHILDREN. SUFFICIENT VERTICAL CLEARANCE BETWEEN UPPER AND LOWER HANDRAILS, 9" (230 MM) MINIMUM, SHOULD BE PROVIDED TO HELP PREVENT ENTRAPMENT.

505.5 CLEARANCE. CLEARANCE BETWEEN HANDRAIL GRIPPING SURFACES AND ADJACENT SURFACES SHALL BE 1 1/2" (38 MM) MINIMUM.

505.10.1. TOP AND BOTTOM EXTENSION AT RAMPS. RAMP HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12" (305 MM) MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN.

505.10.2. TOP EXTENSION AT STAIRS. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12" (350 MM) MINIMUM BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

505.10.3. BOTTOM EXTENSION AT STAIRS. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE AT LEAST EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. EXTENSION SHALL RETURN TO A WALL, GUARD, OR THE LANDING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.

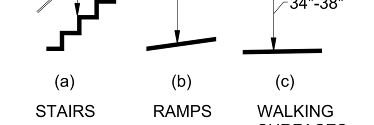

FIG. 505.4 HANDRAIL HEIGHT

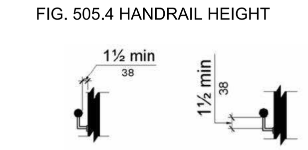

FIG. 505.5 AND 505.6 HANDRAIL CLEARANCE AND HORIZONTAL PROJECTIONS BELOW GRIPPING SURFACE

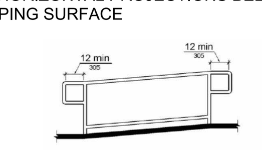

FIG. 505.10.1 TOP AND BOTTOM HANDRAIL EXTENSION AT RAMP

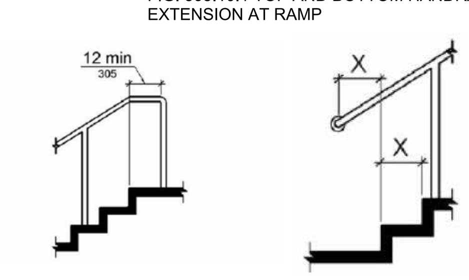

FIG. 505.10.2 AND 505.10.3 TOP HANDRAIL EXTENSION AND BOTTOM HANDRAIL EXTENSION AT STAIRS

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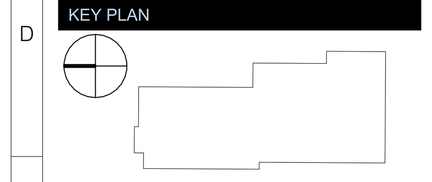
ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
ACCESSIBILITY COMPLIANCE DIAGRAMS

SHEET NUMBER:
G-051

BID SET

PROJECT NUMBER: 2333403.01

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602 DRINKING FOUNTAINS

NOT TO SCALE

NOTES:

602.1. GENERAL. DRINKING FOUNTAINS SHALL COMPLY WITH 307 AND 602.

602.2. CLEAR FLOOR SPACE. UNITS SHALL HAVE A CLEAR FLOOR OR GROUND SPACE COMPLYING WITH 305 POSITIONED FOR A FORWARD APPROACH AND CENTERED ON THE UNIT. KNEE AND TOE CLEARANCE COMPLYING WITH 306 SHALL BE PROVIDED. **EXCEPTION:** A PARALLEL APPROACH COMPLYING WITH 305 SHALL BE PERMITTED AT UNITS FOR CHILDREN'S USE WHERE THE SPOUT IS 30" (760 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND AND IS 3 1/2" (90 MM) MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS.

602.3. OPERABLE PARTS. OPERABLE PARTS SHALL COMPLY WITH 309.

602.4. SPOUT HEIGHT. SPOUT OUTLETS SHALL BE 36" (915 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

602.5 SPOUT LOCATION. THE SPOUT SHALL BE LOCATED 15" (380 MM) MINIMUM FROM THE VERTICAL SUPPORT AND 5" (125 MM) MAXIMUM FROM THE EDGE OF THE UNIT, INCLUDING BUMPERS.

602.6 WATER FLOW. THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" (100 MM) HIGH MINIMUM AND SHALL BE LOCATED 5" (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM SHALL BE MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" (75 MM) OF THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 30 DEGREES MAXIMUM. WHERE SPOUTS ARE LOCATED BETWEEN THAN 3" (75 MM) AND 5" (125 MM) MAXIMUM FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM SHALL BE 15 DEGREE MAXIMUM. **ADVISORY 602.6 WATER FLOW.** THE PURPOSE OF REQUIRING THE DRINKING FOUNTAIN SPOUT TO PRODUCE A FLOW OF WATER 4" (100 MM) HIGH MINIMUM IS SO THAT A CUP CAN BE INSERTED UNDER THE FLOW OF WATER TO PROVIDE A DRINK OF WATER FOR AN INDIVIDUAL WHO, BECAUSE OF DISABILITY, WOULD OTHERWISE BE INCAPABLE OF USING THE DRINKING FOUNTAIN.

602.7. DRINKING FOUNTAINS FOR STANDING PERSONS. SPOUT OUTLETS OF DRINKING FOUNTAINS FOR STANDING PERSONS SHALL BE 38" (965 MM) MINIMUM AND 43" (1090 MM) MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

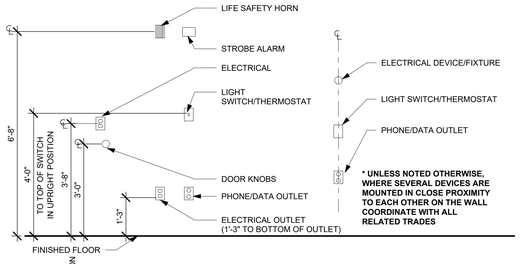
603 TOILET AND BATHING ROOMS

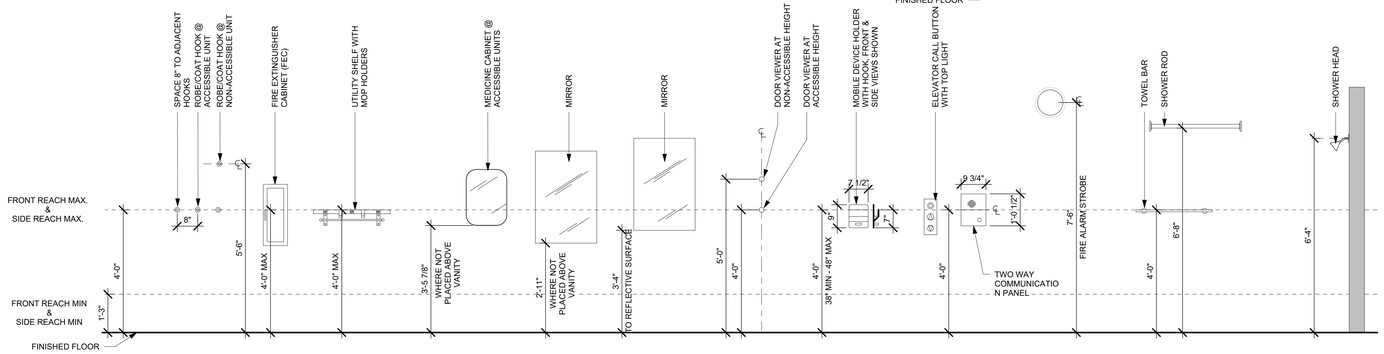
NOT TO SCALE

NOTES:

603.2.3. DOOR SWING. DOORS SHALL NOT SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. DOORS SHALL BE PERMITTED TO SWING INTO THE REQUIRED TURNING SPACE. **EXCEPTIONS:1.** DOORS TO A TOILET ROOM OR BATHING ROOM FOR A SINGLE OCCUPANT ACCESSED ONLY THROUGH A PRIVATE OFFICE AND NOT FOR COMMON USE OR PUBLIC USE SHALL BE PERMITTED TO SWING INTO THE THE CLEAR FLOOR SPACE OR CLEARANCE PROVIDED THE SWING OF THE DOOR CAN BE REVERSED TO COMPLY WITH 603.2.3. **2.** WHERE THE TOILET ROOM OR BATHING ROOM IS FOR INDIVIDUAL USE AND A CLEAR FLOOR SPACE COMPLYING WITH 305.3 IS PROVIDED WITHIN THE ROOM BEYOND THE ARC OF THE DOOR SWING, DOORS SHALL BE PERMITTED TO SWING INTO THE CLEAR FLOOR SPACE OR CLEARANCE REQUIRED FOR ANY FIXTURE. **ADVISORY 603.2.3.** DOOR SWING EXCEPTION 1. AT THE TIME THE DOOR IS INSTALLED, AND IF THE DOOR SWING IS REVERSED IN THE FUTURE, THE DOOR MUST MEET ALL THE REQUIREMENTS SPECIFIED IN 404. ADDITIONALLY, THE DOOR SWING CANNOT REDUCE THE REQUIRED WIDTH OF AN ACCESSIBLE ROUTE. ALSO, AVOID VIOLATING OTHER BUILDING OR LIFE SAFETY CODES WHEN THE DOOR SWING IS REVERSED.

NOTES:
1. ALL PLUMBING FIXTURES AS SPECIFIED IN PLUMBING FIXTURE SCHEDULE (PLUMB DWGS) SHALL BE ACCESSIBLE.
2. ADA TOILET RIM HEIGHT SHALL BE 17"-19".
3. PROVIDE SIDE SPLASH WHERE REQUIRED.
4. PROVIDE SOLID, IN WALL BLOCKING FOR HANDRAILS, LIGHT FIXTURES, COUNTERTOPS, MIRRORS, AND SIMILAR ITEMS.
5. SEE FINISH SCHEDULE IN SPECIFICATION FOR FINISHES.
6. PROVIDE SEALANT BETWEEN BACKSPLASH, SIDESPLASH AND WALLS.





STANDARD MOUNTING HEIGHTS

1/2" = 1'-0" (A4)

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ROCKLAND BOCES ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/2" = 1'-0"
SHEET NAME: STANDARD MOUNTING HEIGHTS
SHEET NUMBER: G-052

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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PROJECT NUMBER: 2333403.01

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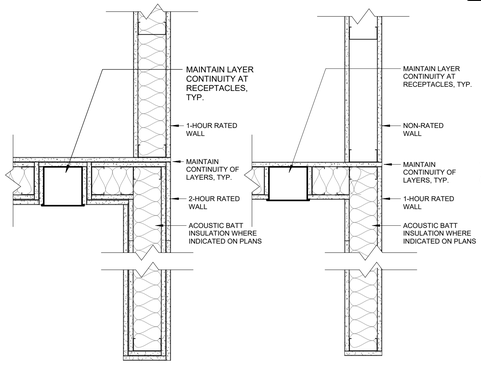
PARTITION GENERAL NOTES:

CONTRACTOR TO FOLLOW THE FOLLOWING WALL PRIORITIES:

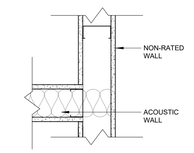
- 2 HOUR WALLS SHALL MAINTAIN CONTINUITY OVER 1 HOUR WALLS
- 1 HOUR WALLS SHALL MAINTAIN CONTINUITY OVER SMOKE PARTITIONS
- SMOKE PARTITIONS SHALL MAINTAIN CONTINUITY OVER ADJACENT NON-RATED WALLS
- METAL STUD GAUGE SHALL BE 20 OR GREATER PER SSMA
- AT RATED WALLS - DOOR FRAME THROAT SIZE TO BE VERIFIED BY CONTRACTOR
- STUD SIZES VARY, REF. PLANS & UL ASSEMBLY REQUIREMENTS
- GYPSUM BOARD SHALL BE 5/8" TYPE X UNLESS OTHERWISE NOTED, SPECIFIED, OR REQUIRED

TYPICAL CONTINUITY DETAILS

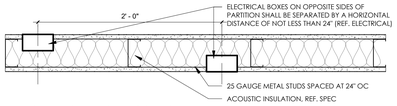


TYPICAL CONTINUITY PLAN DETAIL
@ 2-HR & 1-HR RATED WALLS

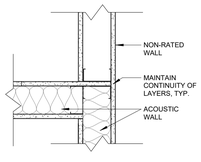
TYPICAL CONTINUITY PLAN DETAIL
@ 1-HR & NON-RATED WALLS



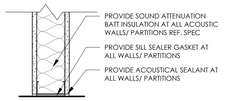
TYPICAL CONTINUITY PLAN DETAIL
@ ACOUSTIC & NON-RATED WALLS



TYPICAL RECEPTACLE LOCATION PLAN DETAIL



TYPICAL CONTINUITY PLAN DETAIL
@ ACOUSTIC & NON-RATED WALLS



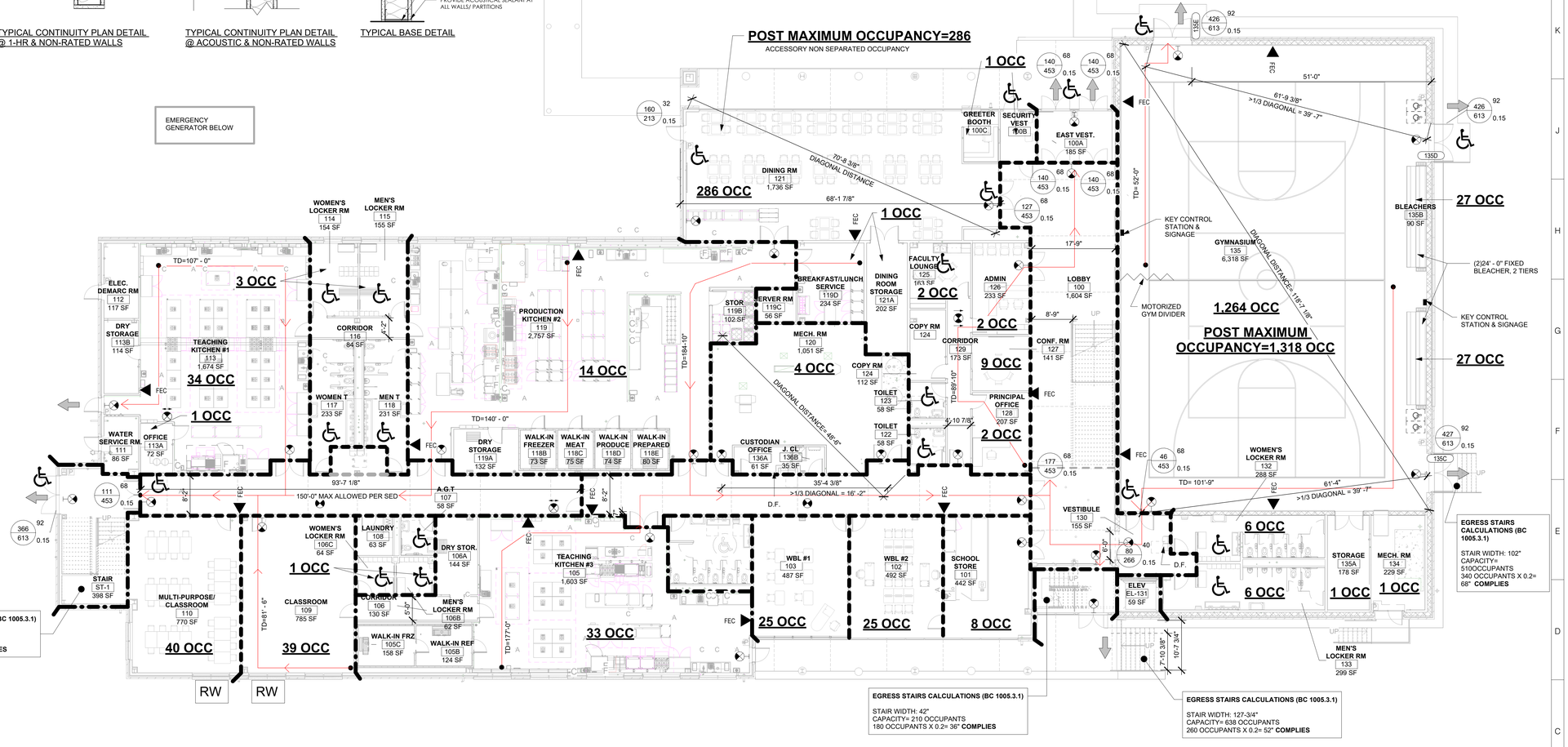
TYPICAL BASE DETAIL

LIFE SAFETY LEGEND

- SMOKE ZONE PARTITION
- SMOKE RATED SOFFIT
- 1 HR RATED WALL
- 2 HR RATED WALL
- TRAVEL PATH
- TD-XX'-X" — TRAVEL DISTANCE
- RW — RESCUE WINDOW
- FEC — FIRE EXTINGUISHER CABINET
- NOT IN CONTRACT
- EE — PROPOSED EMERGENCY EXIT ONLY
- D.F. — DRINKING FOUNTAIN
- EXIT SIGN (SINGLE-SIDED, DOUBLE-SIDED, WITH DIRECTIONAL ARROW, WALL-MOUNTED)
- WHEELCHAIR ACCESSIBLE
- X / Y / W / Z
  - X- OCCUPANCY LOAD PER EXIT
  - Y- OCCUPANCY LOAD MAX PER DOOR
  - W- CLEAR WIDTH AT OPENINGS
  - Z- EGRESSES FACTOR

GENERAL NOTES:

1. REFER TO CODE ANALYSIS FOR ADDITIONAL INFORMATION.
2. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR SYMBOL LEGENDS AND ADDITIONAL INFORMATION.



FIRST FLOOR LIFE SAFETY (A1)
3/32" = 1'-0"

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65 Parrott Rd,
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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: LIFE SAFETY PLAN FIRST FLOOR
SHEET NUMBER: G-101

BID SET

DRAWN BY: AVPV
CHECKED BY: AQ
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LIFE SAFETY LEGEND

- SMOKE ZONE PARTITION
- SMOKE RATED SOFFIT
- 1 HR RATED WALL
- 2 HR RATED WALL
- TRAVEL PATH
- TD-XX'-X" — TRAVEL DISTANCE
- RW — RESCUE WINDOW
- FEC — FIRE EXTINGUISHER CABINET
- NOT IN CONTRACT
- EE — PROPOSED EMERGENCY EXIT ONLY
- D.F. — DRINKING FOUNTAIN
- EXIT SIGN (SINGLE-SIDED, DOUBLE-SIDED, WITH DIRECTIONAL ARROW, WALL-MOUNTED)
- WHEELCHAIR ACCESSIBLE
- X / Y / W / Z — X- OCCUPANCY LOAD PER EXIT; Y- OCCUPANCY LOAD MAX PER DOOR; W- CLEAR WIDTH AT OPENINGS; Z- EGRESSES FACTOR

GENERAL NOTES:

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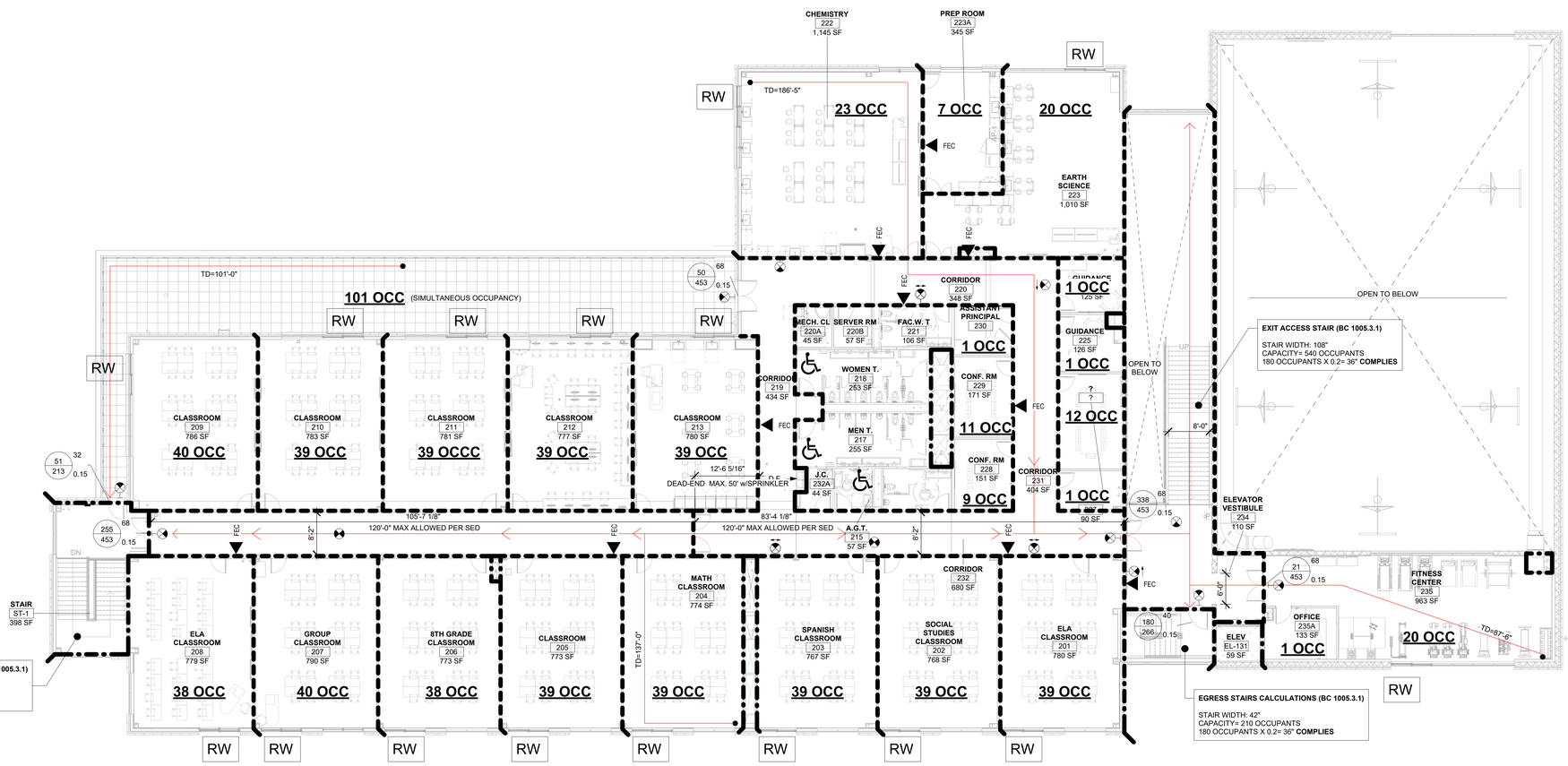
2. REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS FOR SYMBOL LEGENDS AND ADDITIONAL INFORMATION.



SECOND FLOOR LIFE SAFETY

3/32" = 1'-0"

A1

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: LIFE SAFETY PLAN SECOND FLOOR
SHEET NUMBER: G-102

BID SET

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SITE - CIVIL GENERAL NOTES:

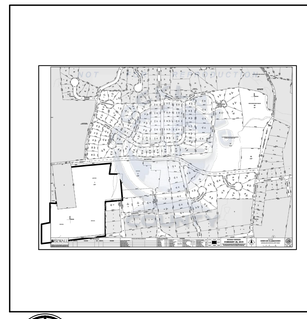
1. CONTRACTOR, AT THEIR OWN EXPENSE, SHALL ABIDE BY THE LATEST EDITIONS OF ALL OSHA REGULATIONS AND REQUIREMENTS.
2. THERE SHALL BE NO CLAIMS AGAINST ROCKLAND BOCES FOR WORK STOPPAGES DUE TO ACTS OF GOD, WEATHER CONDITIONS, STOP WORK ORDERS (VERBAL AND/OR WRITTEN), UNDERESTIMATION OF WORK, ESTIMATED QUANTITIES, MATERIALS, SUPPLIES, TOOLS, CORRECTION OF SAFETY PROBLEMS, OR ANY OTHER REASON.
3. ALL QUANTITIES SHOWN ON THE DRAWING ARE ESTIMATED QUANTITIES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY AND ASCERTAIN ALL EXISTING CONDITIONS, DIMENSIONS AND QUANTITIES.
4. ALL WORK SHALL BE PERFORMED BY THOSE WHO ARE SKILLED IN THEIR TRADE TO PRODUCE A FIRST CLASS JOB. THE CONTRACTOR IS ADVISED THAT WORK DEEMED UNSUITABLE, UNACCEPTABLE, SECOND CLASS IN NATURE BY ROCKLAND BOCES SHALL BE DEEMED NON-ACCEPTABLE AND THE CONTRACTOR SHALL REMOVE, REPLACE, RE-DO, TO THE SATISFACTION OF ROCKLAND BOCES, THE UNACCEPTABLE WORK AT NO ADDITIONAL COST TO THE OWNER. THERE SHALL BE NO ADDITIONAL CLAIMS AGAINST ROCKLAND BOCES FOR THE ABOVE.
5. ROAD WAYS, BUILDING EMERGENCY ACCESS AREAS, AND BUILDING ENTRY AND EXITS AREAS ARE TO BE KEPT CLEAR AT ALL TIMES.
6. CONTRACTOR SHALL USE DIG SAFELY NY. "CALL 811".
7. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND ASCERTAIN IN THE FIELD, ALL EXISTING UTILITIES, EXISTING CONDITIONS, FIELD MEASUREMENTS, DIMENSIONS, AND QUANTITIES RELATED TO THE PROJECT.
8. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY AND ASCERTAIN THE LOCATION, DEPTH, DIRECTION, AND SIZE OF ANY AND ALL UTILITIES EXISTING IN THE GENERAL VICINITY OF THE WORK AREA.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY UTILITY DISRUPTED, BROKEN OR OTHERWISE RENDERED NON-FUNCTIONAL DUE TO THE WORK PERFORMED AT NO ADDITIONAL COST TO ROCKLAND BOCES DURING THIS COURSE OF WORK.
10. THE CONTRACTOR SHALL IDENTIFY ANY NON-FUNCTIONING UTILITY/SYSTEM, PRIOR TO THE START OF WORK TO ROCKLAND BOCES. IDENTIFICATION OF SUCH AFTER THE START OF WORK SHALL BE DEEMED AS DISTURBED/DAMAGED BY THE CONTRACTOR AND SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY SUPPORT ANY UTILITY ENCOUNTERED IN THE COURSE OF THIS WORK.
12. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGE CAUSED BY CONSTRUCTION OF THIS PROJECT AT THE CONTRACTOR'S EXPENSE.
13. THE CONTRACTOR SHALL ADD BARRIERS, SECURE ALL EXTERIOR WORK AND STAGING AREAS WITH ACCEPTABLE FENCING.
14. THE CONTRACTOR SHALL NOT LEAVE THE WORK AREA UNATTENDED FOR ANY REASON, UNLESS SAFETY PARTITIONS, SAFETY FENCING AND COVERING FOR ALL OPEN TRENCHES ARE INSTALLED AND SECURED.
15. THE CONTRACTOR SHALL LEAVE THE WORK SITE CLEAN AND SECURED AT THE END OF EACH WORKING DAY. THE WORK SITE SHALL NOT BE LEFT UNATTENDED AT ANY TIME BY THE CONTRACTOR UNLESS THE WORK AREA IS PROPERLY SECURED BY THE CONTRACTOR.
16. THE CONTRACTOR IS ADVISED THAT THEY ARE SOLELY RESPONSIBLE FOR THE SAFETY OF THE WORK SITE AND SHALL TAKE ALL ACTIONS TO ELIMINATE ANY SAFETY HAZARDS THAT SHALL EXIST AND POSE A THREAT OF HARM TO STUDENTS, EMPLOYEES OF BIG SHINE WORLDWIDE, EMPLOYEES OF THE CONTRACTOR OR OTHER(S). IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO TAKE IMMEDIATE ACTION TO ALLEVIATE ANY SAFETY HAZARD THAT MAY EXIST WITHOUT DIRECTION FROM ROCKLAND BOCES.
17. CONTRACTOR SHALL SAW CUT WITH PROPER BLADE ANY ROADS, CURBS AND SIDEWALKS ENCOUNTERED IN THE COURSE OF THIS WORK.
18. ALL HOLES SHALL BE CORE-DRILLED WITH DIAMOND CORE BITS.
19. CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ANY AND ALL DEBRIS FROM THE SITE DAILY AND DISPOSE OF SAME OFF SITE IN ACCORDANCE WITH ALL LOCAL AND STATE REGULATIONS.
20. THE CONTRACTOR SHALL MAINTAIN THE WORK SITE IN A NEAT AND CLEAN CONDITION. THE WORK SITE SHALL BE CLEANED DAILY OF CONSTRUCTION DEBRIS
21. SUB-GRADE FILL TO BE COMPACTED TO 95% STANDARD PROCTOR RELATIVE DENSITY AND PAVEMENT AREAS SHALL HAVE SUB-GRADE COMPACTED TO 95% MODIFIED RELATIVE DENSITY PER AASHTO REQUIREMENTS.
22. ALL ESTABLISHED EGRESS ROUTES SHALL REMAIN CLEAR AT ALL TIMES.
23. ALL WORK SHALL BE CONDUCTED WITHIN THE APPROVED FENCING PLAN AREA.
24. ALL CONSTRUCTION VEHICLES WILL HAVE A FUNCTIONING BACKUP ALARM.
25. CONTRACTOR TO VERIFY LOCATION AND LSE FOR ALL BUILDINGS PRIOR TO START OF CONSTRUCTION. LSE NOT LISTED ARE ASSUMED TO BE APPROXIMATELY 4' BELOW GRADE.
26. CONTRACTOR SHALL OBTAIN ALL NECESSARY LOCAL AND STATE PERMITS PRIOR TO COMMENCEMENT OF WORK.

EROSION AND SEDIMENT CONTROL NOTES:

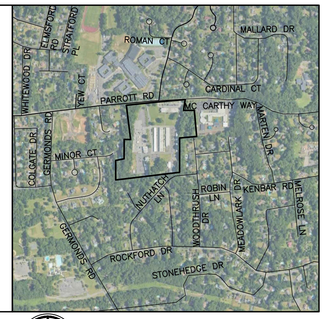
1. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED.
2. CONSTRUCTION VEHICLES AND EQUIPMENT ENTERING AND EXITING THE SITE MUST ENTER AND EXIT AT THE STABILIZED CONSTRUCTION ENTRANCE LOCATION(S) ONLY. MEASURES MUST BE TAKEN TO PREVENT SOIL AND SEDIMENT FROM A VEHICLE'S TIRES FROM BEING DEPOSITED ONTO THE PUBLIC ROADS.
3. UNTIL THE SITE ACHIEVES FINAL STABILIZATION, THE OPERATOR SHALL ASSURE THAT THE BEST MANAGEMENT PRACTICES ARE IMPLEMENTED, OPERATED, AND MAINTAINED PROPERLY AND COMPLETELY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL BEST MANAGEMENT PRACTICE FACILITIES. THE OPERATOR WILL MAINTAIN AND MAKE AVAILABLE TO THE COUNTY OF ROCKLAND COMPLETE, WRITTEN INSPECTION LOGS OF ALL THOSE INSPECTIONS. ALL MAINTENANCE WORK, INCLUDING CLEANING, REPAIR, REPLACEMENT, REGRADING, AND RESTABILIZATION SHALL BE PERFORMED IMMEDIATELY.
4. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
5. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS THAT MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E&S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE COUNTY OF ROCKLAND.
6. THE OPERATOR SHALL ASSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PREPARED, APPROVED BY THE COUNTY OF ROCKLAND, AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL AND/OR ROCK SPOIL AND BORROW AREAS, REGARDLESS OF THEIR LOCATIONS.
7. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
8. THE E&S CONTROL PLAN MAPPING MUST DISPLAY A NY ONE CALL SYSTEM INCORPORATED SYMBOL INCLUDING THE SITE IDENTIFICATION NUMBER. (THIS IS A NUMBERED SYMBOL NOT A NOTE.)
9. EROSION AND SEDIMENT BMPS (BEST MANAGEMENT PRACTICES) MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPS.
10. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE OR WHICH WILL NOT BE REDISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
11. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING, MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
12. SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.
13. THE OPERATOR SHALL REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTES AT THE SITE.

BMPS – AFTER DISTURBANCE

1. WITHIN FOURTEEN (14) DAYS OF ACHIEVING FINAL SITE STABILIZATION, TEMPORARY EROSION AND SEDIMENT BMPS CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMPS MUST BE STABILIZED IMMEDIATELY.
2. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 80% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.



TAX MAP
1"=1000'



VICINITY MAP
1"=1000'

BULK REQUIREMENTS
TOWN CLARKSTOWN
R-22 MEDIUM DENSITY RESIDENTIAL

BULK TABLE REQUIREMENTS

		MINIMUM REQUIRED	
BULK ITEM		***REQUIRED***	***PROVIDED***
LOT AREA	(SQFT)	80,000	1,176,120
LOT WIDTH	(FT)	175	>175
FRONT SETBACK	(FT)	50	>50
REAR SETBACK	(FT)	60	>60
ONE SIDE	(FT)	40	>40
BOTH SIDES	(FT)	90	>90

		MAXIMUM PERMITTED	
BULK ITEM		***PERMITTED***	***PROVIDED***
BUILDING COVERAGE	(%)	21%	7%
BUILDING HEIGHT	(FT)	35'	≤35'
LOT COVERAGE	(%)	21%	<21%

PROPERTY ADDRESS
65 PARROTT ROAD
WEST NYACK, NY 10994

TAX MAP
TOWN OF WEST NYACK, NY
SECTION 51.20, LOT 2, BLOCK 1
SECTION 51.20, LOT 2, BLOCK 2
SECTION 51.19, LOT 2, BLOCK 6

OWNER & DEVELOPER
ROCKLAND BOCES
65 PARROTT ROAD, NYACK NY

EXISTING USE
SCHOOL

PROPOSED USE
SCHOOL

REFERENCE
LAN ASSOCIATES PARTIAL
TOPOGRAPHIC SURVEY 8-8-23
JOB NUMBER 4.1460.06.01,
FILE NUMBER 14600601S1

DRAWINGS LIST:

PAGE	SHEET	SHEET TITLE
1.	C-000	GENERAL NOTES
2.	C-001	EXISTING CONDITIONS
3.	C-002	EROSION AND SEDIMENT CONTROL
4.	C-003	DEMO PLAN
5.	C-101	SITE PLAN
6.	C-201	SITE UTILITY AND GRADING PLAN
7.	C-601	SITE LIGHTING PLAN
8.	C-602	SITE LIGHTING PLAN - BUILDING SECOND FLOOR
9.	C-901	DETAILS
10.	C-902	DETAILS
11.	C-903	DETAILS
12.	C-904	DETAILS

⅛" ¼" ½" 0 1" 2"
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STATE OF NEW YORK
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WEST NYACK, NY 10994

REVISIONS

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DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME:
GENERAL NOTES
SHEET NUMBER:
C-000

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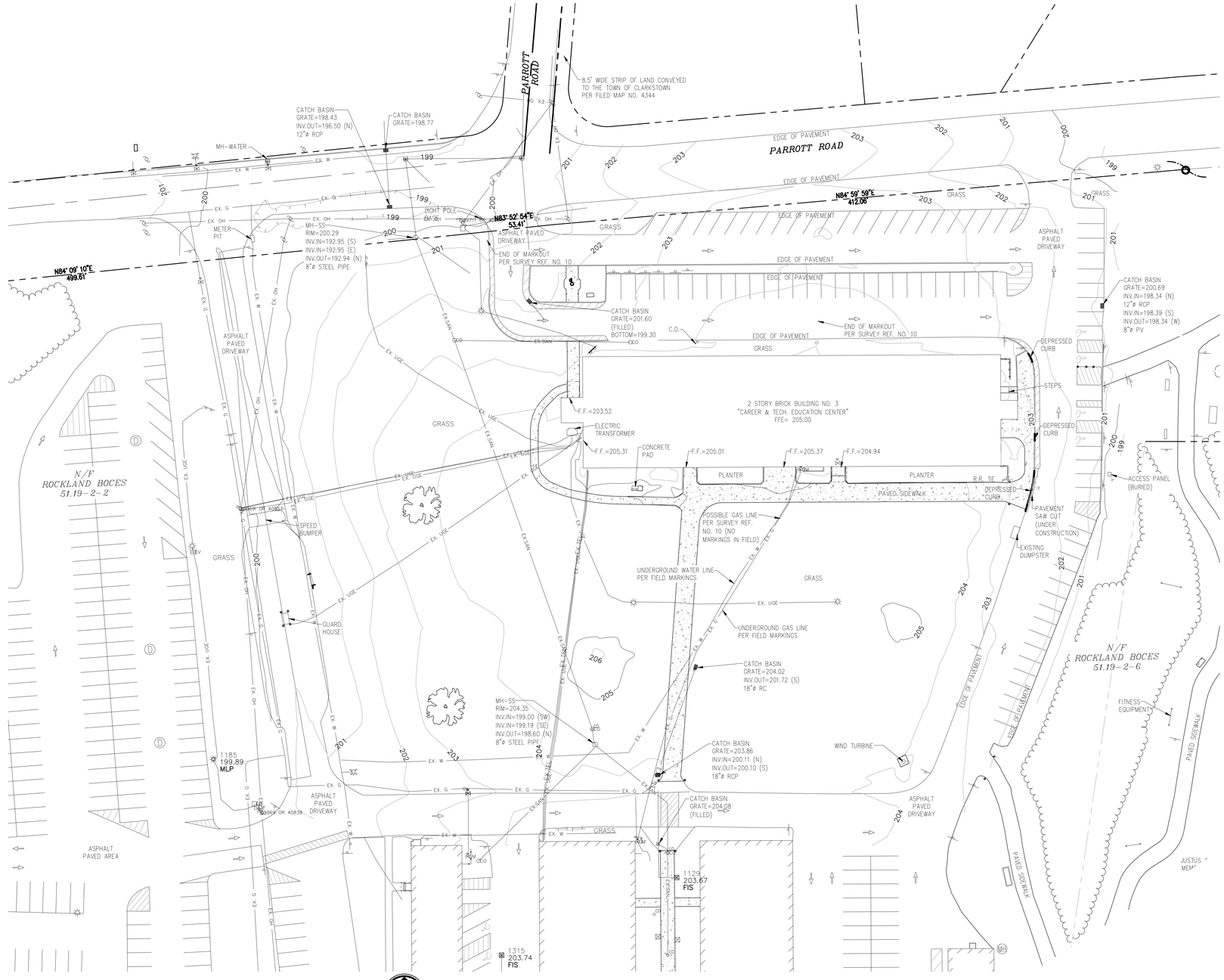

EXISTING CONDITIONS
1"=30'

LEGEND:

- PROPERTY LINE
- SILT FENCING
- DEMO LINE
- EX. OH — EXISTING OVERHEAD ELECTRIC
- EX. W — EXISTING WATER LINE
- EX.SAN — EXISTING SANITARY LINE
- EX.TEL — EXISTING TELEPHONE LINE
- EX. G — EXISTING GAS LINE
- EX. UGE — EXISTING UNDERGROUND ELECTRIC LINE
- OH — OVERHEAD ELECTRIC BY UTILITY
- UGE — UNDERGROUND ELECTRIC LINE
- W — WATER LINE
- SAN — SEWER LINE
- ST — STORM LINE
- T — CAT-6 DATA CABLE
- F — FIBER OPTIC CABLE
- CONSTRUCTION FENCE
- LIMITS OF PERMANENT DISTURBANCE
- FD — FOOTING DRAIN
- G — NATURAL GAS LINE
- HANDRAIL
- EXISTING TREE
- NEW TREE
- EXISTING FIRE HYDRANT
- FIRE HYDRANT
- S — EXISTING SEWER MANHOLE
- M — ELECTRIC METER, CTS AND PTS
- E — ELECTRIC MANHOLE
- G — GAS METER
- S — SEWER MANHOLE
- STORM CATCH BASIN
- LIGHT FIXTURE
- EXISTING STORM CATCH BASIN
- CONNECTION SYMBOL
- WV — EXISTING WATER VALVE
- WV — WATER VALVE
- DIRECTION OF SURFACE DRAINAGE
- 203.0 + — EXISTING SPOT ELEVATION
- 203.0 + — PROPOSED SPOT ELEVATION
- ACCESSIBLE WAY
- ADA DETECTABLE WARNING PAD

⅛" ¼" ½" 0 1" 2"
REFERENCE SCALE

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SHEET NAME: EXISTING CONDITIONS
SHEET NUMBER: C-001

BID SET

PROJECT NUMBER: ###
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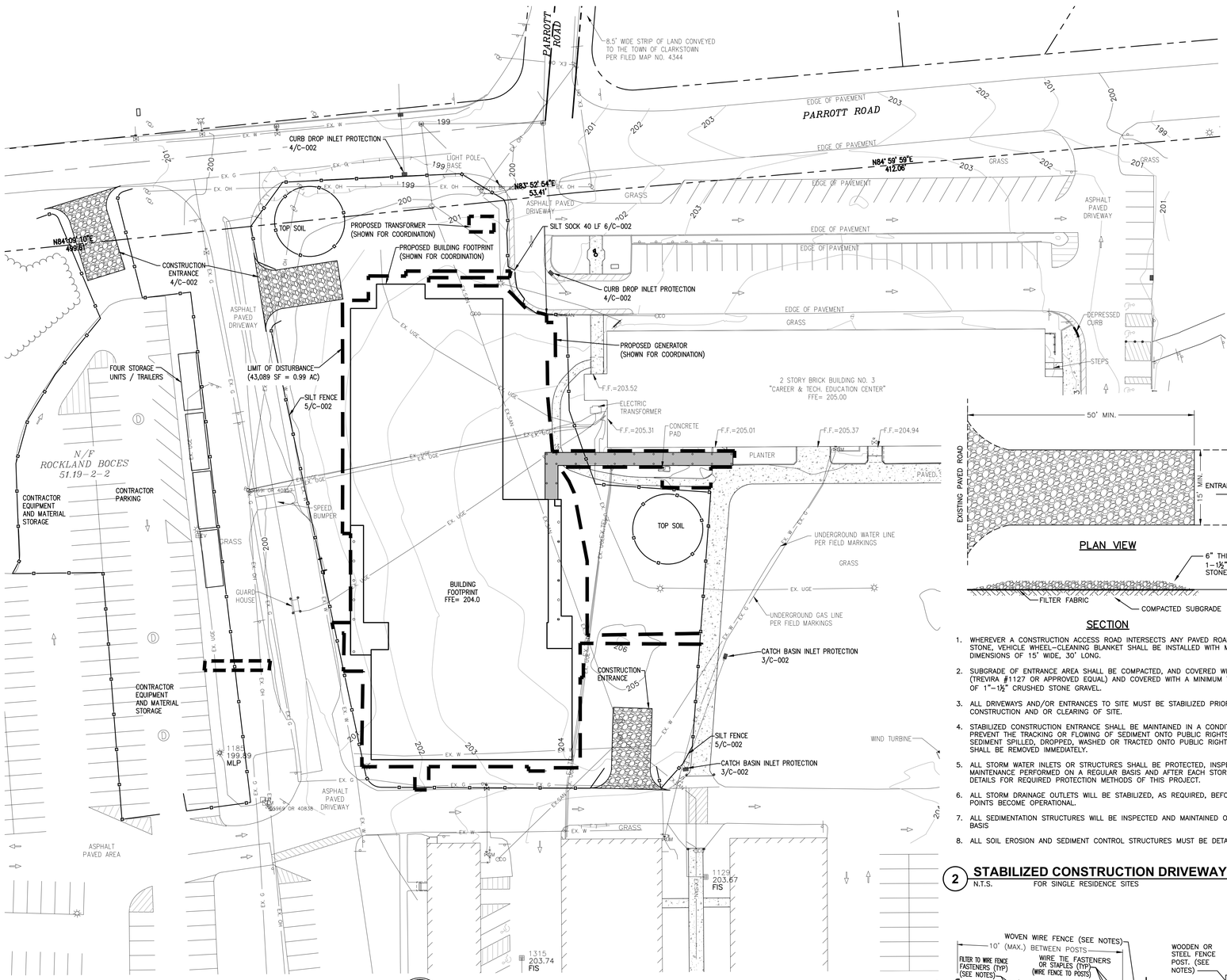
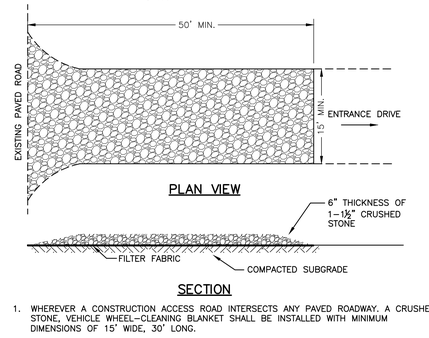


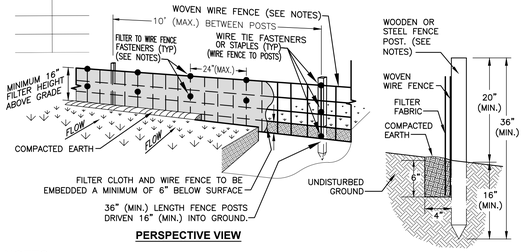
1 EROSION AND SEDIMENT CONTROL
1"=30'



SECTION

1. WHEREVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY, A CRUSHED STONE, VEHICLE WHEEL–CLEANING BLANKET SHALL BE INSTALLED WITH MINIMUM DIMENSIONS OF 15' WIDE, 30' LONG.
2. SUBGRADE OF ENTRANCE AREA SHALL BE COMPACTED, AND COVERED WITH FILTER FABRIC (TREVIRA #1127 OR APPROVED EQUAL) AND COVERED WITH A MINIMUM THICKNESS OF 6" OF 1"–1½" CRUSHED STONE GRAVEL.
3. ALL DRIVEWAYS AND/OR ENTRANCES TO SITE MUST BE STABILIZED PRIOR TO ANY CONSTRUCTION AND OR CLEARING OF SITE.
4. STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS–OF–WAY SHALL BE REMOVED IMMEDIATELY.
5. ALL STORM WATER INLETS OR STRUCTURES SHALL BE PROTECTED, INSPECTED AND HAVE MAINTENANCE PERFORMED ON A REGULAR BASIS AND AFTER EACH STORM. SEE PLAN AND DETAILS FOR REQUIRED PROTECTION METHODS OF THIS PROJECT.
6. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS BECOME OPERATIONAL.
7. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS
8. ALL SOIL EROSION AND SEDIMENT CONTROL STRUCTURES MUST BE DETAILED ON THE PLAN.

2 STABILIZED CONSTRUCTION DRIVEWAY ENTRANCE DETAIL
N.T.S. FOR SINGLE RESIDENCE SITES

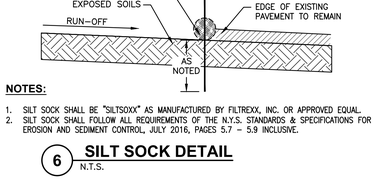


NOTES

CONSTRUCTION SPECIFICATIONS:

1. WOVEN WIRE FENCE SHALL BE 12 GAUGE WITH A MAXIMUM MESH OPENING OF 6", AND SHALL BE FASTENED SECURELY TO FENCE POSTS WITH STAPLES, WIRE TIES OR NYLON "ZIP" TIES.
2. FENCE POSTS SHALL BE EITHER STEEL ("T" OR "U" TYPE) OR HARDWOOD (2"X"2"). POSTS SHALL BE MINIMUM 36" IN LENGTH AND INSTALLED WITH A MINIMUM 16" OF EMBEDMENT, WITH A MAXIMUM OF 10' O.C. BETWEEN POSTS.
3. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLINKA T140N, OR AN APPROVED EQUAL, AND SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH WIRE TIES OR NYLON "ZIP" TIES SPACED EVERY 24" AT TOP AND MID SECTION OF FILTER FABRIC.
4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER–LAPPED BY SIX INCHES AND FOLDED, WITH THE OVER–LAP BEING SECURELY FASTENED TO THE WOVEN WIRE FENCE AS PER NOTE #3 ABOVE.
5. AT END POSTS OF SILT FENCE, THE FILTER FABRIC SHALL BE WRAPPED AROUND THE POST AND APPROPRIATELY FASTENED AS PER NOTE #3 ABOVE.
6. PREFABRICATED SILT FENCE UNITS SHALL BE GEOFAB, ENVIROFENCE, OR AN APPROVED EQUAL.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL (SEDIMENT) REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

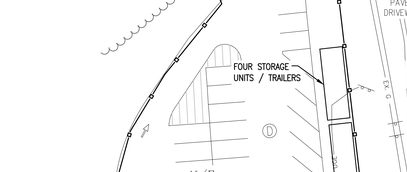
5 SILT FENCE W/ WIRE REINFORCEMENT DETAIL
N.T.S.



NOTES:

1. SILT SOCK SHALL BE "SILTSOXX" AS MANUFACTURED BY FILTREXX, INC. OR APPROVED EQUAL.
2. SILT SOCK SHALL FOLLOW ALL REQUIREMENTS OF THE N.Y.S. STANDARDS & SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, JULY 2016, PAGES 5.7 – 5.9 INCLUSIVE.

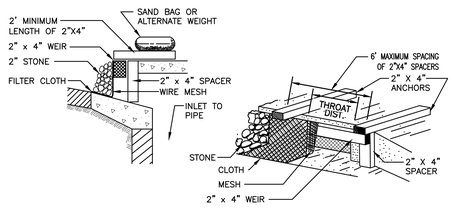
6 SILT SOCK DETAIL
N.T.S.



CONSTRUCTION SPECIFICATIONS

1. ALL CATCH BASINS THAT ARE WITHIN THE POSSIBLE FLOW PATH OF SEDIMENT RUN–OFF SHALL BE PROTECTED AS REQUIRED BY THIS DETAIL.
2. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2" MINIMUM BELOW THE REST OF THE INLET AND BLOCKS SHALL BE PLACED AGAINST THE INLET FOR SUPPORT.
3. HARDWARE CLOTH OR ½" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
4. USE CLEAN STONE OR GRAVEL ½" TO ¾" IN DIAMETER PLACED 2" BELOW THE TOP OF BLOCKS ON A 2:1 SLOPE OR FLATTER.
5. MAXIMUM DRAINAGE AREA SHALL NOT EXCEED ONE (1) ACRE.

3 SEDIMENT PROTECTION FOR CATCH BASIN
N.T.S.



CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40–85.
2. WOODEN FRAME SHALL BE CONSTRUCTED OF 2" x 4" CONSTRUCTION GRADE LUMBER.
3. WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT.IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" x 4" WEIR.
4. THE WEIR SHALL BE SECURELY NAILED TO 2" x 4" SPACERS 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART.
5. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" x 4" ANCHORS 2 FEET LONG EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

MAXIMUM DRAINAGE AREA 1 ACRE

4 CURB DROP INLET PROTECTION
N.T.S.

LEGEND:

- PROPERTY LINE
- SILT FENCING OR SILT SOCK
- DEMO LINE
- EX. OH — EXISTING OVERHEAD ELECTRIC
- EX. W — EXISTING WATER LINE
- EX.SAN — EXISTING SANITARY LINE
- EX.TEL — EXISTING TELEPHONE LINE
- EX. G — EXISTING GAS LINE
- EX. UGE — EXISTING UNDERGROUND ELECTRIC LINE
- OH — OVERHEAD ELECTRIC BY UTILITY
- UGE — UNDERGROUND ELECTRIC LINE
- W — WATER LINE
- ST — SEWER LINE
- SAN — STORM LINE
- T — CAT–6 DATA CABLE
- F — FIBER OPTIC CABLE
- CONSTRUCTION FENCE
- LIMITS OF PERMANENT DISTURBANCE
- FD — FOOTING DRAIN
- G — NATURAL GAS LINE
- HANDRAIL
- EXISTING TREE
- NEW TREE
- EXISTING FIRE HYDRANT
- FIRE HYDRANT
- EXISTING SEWER MANHOLE
- ELECTRIC METER, CTS AND PTS
- ELECTRIC MANHOLE
- GAS METER
- SEWER MANHOLE
- STORM CATCH BASIN
- LIGHT FIXTURE
- EXISTING STORM CATCH BASIN
- CONNECTION SYMBOL
- WV — EXISTING WATER VALVE
- WV — WATER VALVE
- DIRECTION OF SURFACE DRAINAGE
- 203.0 + — EXISTING SPOT ELEVATION
- 203.0 + — PROPOSED SPOT ELEVATION
- ACCESSIBLE WAY
- ADA DETECTABLE WARNING PAD

REFERENCE SCALE: ⅛" ¼" ½" 0 1" 2"

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STATE OF NEW YORK — JOHN DANIEL FELLENZER — 129331 — LICENSED PROFESSIONAL ENGINEER
NY PROFESSIONAL ENGINEER NO. 086374–1 ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: EROSION AND SEDIMENT CONTROL
SHEET NUMBER: C-002

BID SET

PROJECT NUMBER: ###
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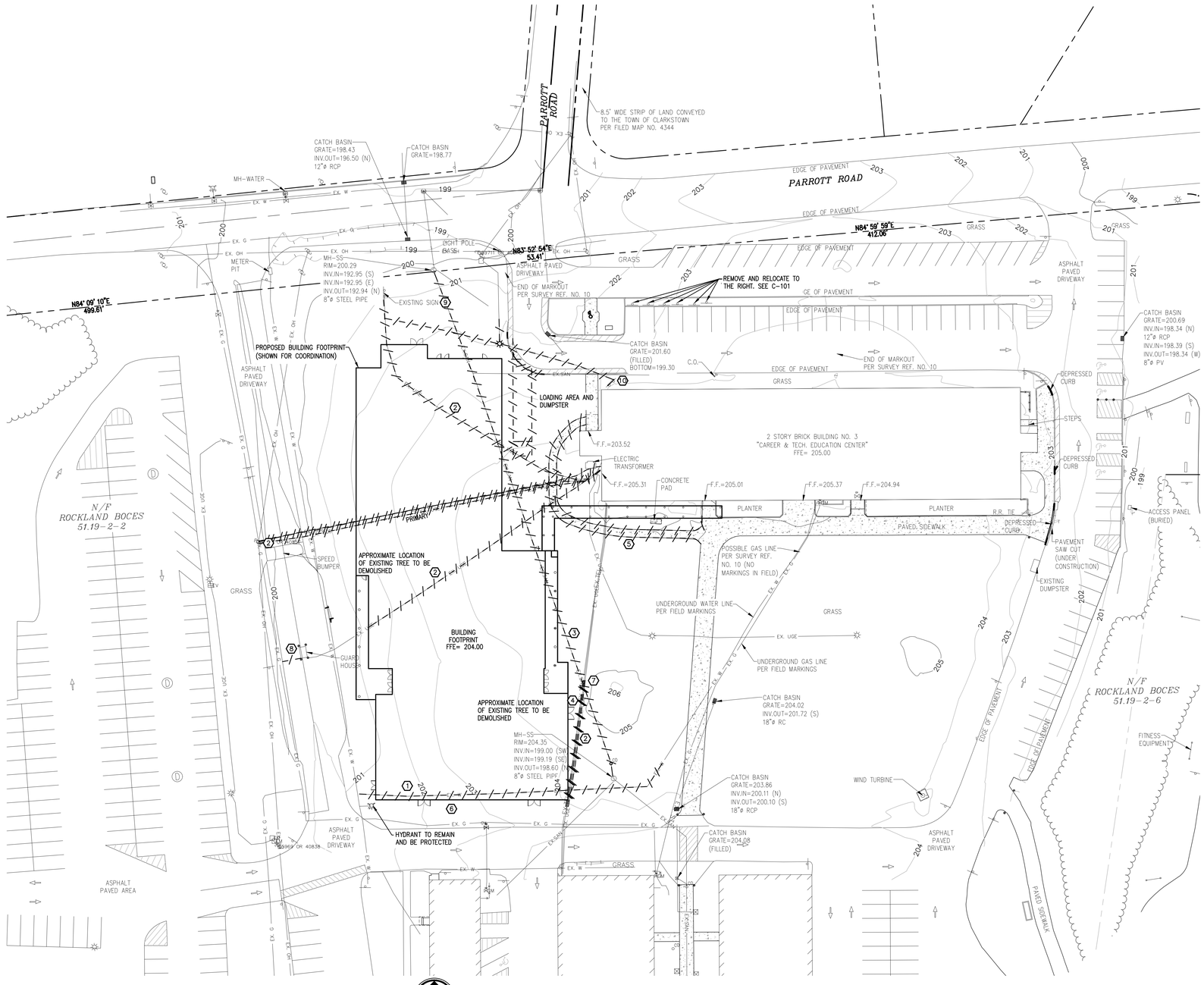

DEMO PLAN

1"=30'

NOTES:

1. SEE C-201 SITE UTILITY AND GRADING PLAN FOR PROPOSED UTILITY LINES, PHASING NOTES, AND TEMPORARY POWER DURING CONSTRUCTION FOR CONNECTIONS

LEGEND:

- PROPERTY LINE
- SILT FENCING
- DEMO LINE
- EX. OH — EXISTING OVERHEAD ELECTRIC
- EX. W — EXISTING WATER LINE
- EX.SAN — EXISTING SANITARY LINE
- EX.TEL — EXISTING TELEPHONE LINE
- EX. G — EXISTING GAS LINE
- EX. UGE — EXISTING UNDERGROUND ELECTRIC LINE
- OH — OVERHEAD ELECTRIC BY UTILITY
- UGE — UNDERGROUND ELECTRIC LINE
- W — WATER LINE
- SAN — SEWER LINE
- ST — STORM LINE
- T — CAT-6 DATA CABLE
- F — FIBER OPTIC CABLE
- CONSTRUCTION FENCE
- LIMITS OF PERMANENT DISTURBANCE
- FD — FOOTING DRAIN
- G — NATURAL GAS LINE
- HANDRAIL
- EXISTING TREE
- NEW TREE
- EXISTING FIRE HYDRANT
- FIRE HYDRANT
- EXISTING SEWER MANHOLE
- ELECTRIC METER, CTS AND PTS
- ELECTRIC MANHOLE
- GAS METER
- SEWER MANHOLE
- STORM CATCH BASIN
- LIGHT FIXTURE
- EXISTING STORM CATCH BASIN
- CONNECTION SYMBOL
- EXISTING WATER VALVE
- WATER VALVE
- DIRECTION OF SURFACE DRAINAGE
- 203.0 + EXISTING SPOT ELEVATION
- 203.0 + PROPOSED SPOT ELEVATION
- ACCESSIBLE WAY
- ADA DETECTABLE WARNING PAD

NOTE:

1. WATER LINE TO BE REMOVED AND DISPOSED OF PROPERLY OFF SITE: 210 LF
2. UNDERGROUND ELECTRIC LINE TO BE REMOVED AND DISPOSED OF PROPERLY OFF SITE: 980 LF (PRIMARY 220 LF)
3. SANITARY LINE TO BE REMOVED AND DISPOSED OF PROPERLY OFF SITE: 350 LF
4. TELEPHONE LINE TO BE REMOVED AND DISPOSED OF PROPERLY OFF SITE: 80 LF
5. SIDEWALK TO BE REMOVED AND DISPOSED OF PROPERLY OFFSITE: 850 SF
6. COORDINATE WITH ENGINEER AND BOCES TO PROTECT FIRE HYDRANT DURING CONSTRUCTION.
7. ABANDON IN PLACE, CUT, AND CAP ANY EXPOSED CONDUIT
8. SAWCUT FOR TEMPORARY POWER DURING CONSTRUCTION FOR GUARD HOUSE
9. EXISTING SIGN TO BE FED FROM NEW BUILDING. CONTRACTOR TO PROVIDE NEW SERVICE
10. EXISTING SIGN TO BE FED FROM BUILDING 3. CONTRACTOR TO PROVIDE NEW SERVICE

⅛" ¼" ½" 0 1" 2"
REFERENCE SCALE

ARCHITECT

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NY PROFESSIONAL ENGINEER
NO. 085734-1
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: DEMO PLAN
SHEET NUMBER: C-003

BID SET

PROJECT NUMBER: ###
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2024 NFPA 1
CHAPTER 18 – FIRE DEPARTMENT ACCESS AND WATER SUPPLY

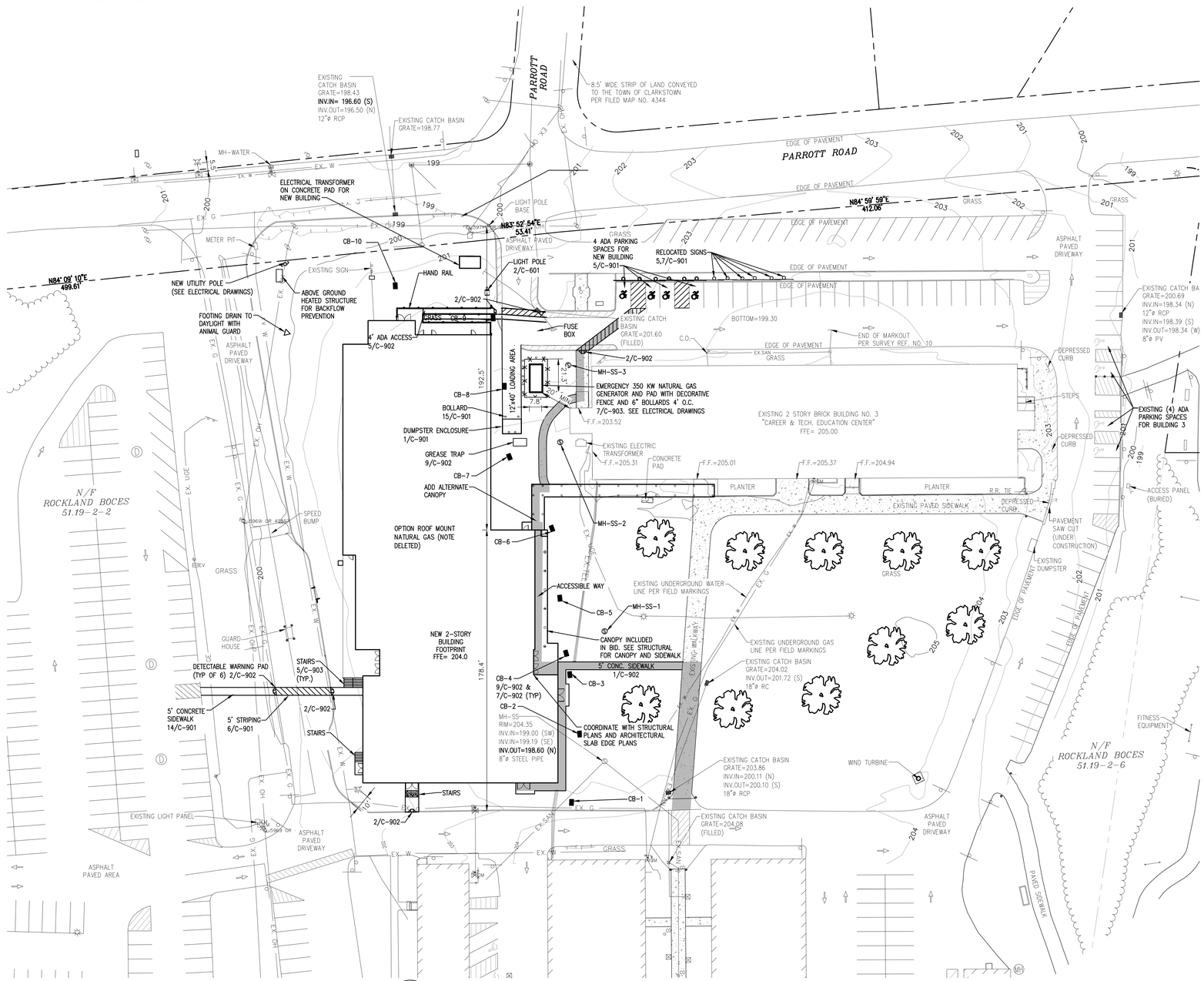
18.2.3.2 ACCESS TO BUILDING

18.2.3.2.2
FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED SUCH THAT ANY PORTION OF THE FACILITY OR ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF THE BUILDING IS LOCATED NOT MORE THAN 150 FT (46 M) FROM FIRE APPARATUS ACCESS ROADS AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE BUILDING OR FACILITY.

18.2.3.2.2.1
WHERE BUILDINGS ARE PROTECTED THROUGHOUT WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM THAT IS INSTALLED IN ACCORDANCE WITH NFPA 13, NFPA 13R, OR NFPA 13D, THE DISTANCE IN 18.2.3.2.2 SHALL BE PERMITTED TO BE INCREASED TO 450 FT (137 M).

18.5 FIRE HYDRANTS.

18.5.1 FIRE HYDRANT LOCATIONS AND DISTRIBUTION.
18.5.3 BUILDINGS OTHER THAN DETACHED ONE– AND TWO–FAMILY DWELLINGS.
FIRE HYDRANTS SHALL BE PROVIDED FOR BUILDINGS OTHER THAN DETACHED ONE– AND TWO–FAMILY DWELLINGS IN ACCORDANCE WITH BOTH OF THE FOLLOWING:
(1) THE MAXIMUM DISTANCE TO A FIRE HYDRANT FROM THE CLOSEST POINT ON THE BUILDING SHALL NOT EXCEED 400 FT (122 M).
(2) THE MAXIMUM DISTANCE BETWEEN FIRE HYDRANTS SHALL NOT EXCEED 500 FT (152 M).



SITE PLAN
1"=30'

NOTES:
1. SEE C–201 SITE UTILITY AND GRADING PLAN FOR PROPOSED UTILITY LINES, PHASING NOTES, AND TEMPORARY POWER DURING CONSTRUCTION FOR CONNECTIONS
2. ALTERNATE – SITE TREES (DEDUCT): MATERIAL AND INSTALLATION OF THE 10 PROPOSED TREES

PARKING CALCULATION

ADMIN AND STAFF	=28 SPACES
STUDENTS	=72
TOTAL	=100
ADA	=4

PARKING ALLOCATED TO EAST OF NEW BUILDING ADA RAMP, BUILDING 3 ADA PARKING LOCATED EAST OF BUILDING 3.

LEGEND:

- PROPERTY LINE
- SILT FENCING
- DEMO LINE
- EX. OH — EXISTING OVERHEAD ELECTRIC
- EX. W — EXISTING WATER LINE
- EX.SAN — EXISTING SANITARY LINE
- EX.TEL — EXISTING TELEPHONE LINE
- EX. G — EXISTING GAS LINE
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- NEW TREE
- EXISTING FIRE HYDRANT
- FIRE HYDRANT
- S — EXISTING SEWER MANHOLE
- M — ELECTRIC METER, CTS AND PTS
- E — ELECTRIC MANHOLE
- G — GAS METER
- S — SEWER MANHOLE
- STORM CATCH BASIN
- LIGHT FIXTURE
- EXISTING STORM CATCH BASIN
- CONNECTION SYMBOL
- WV — EXISTING WATER VALVE
- WV — WATER VALVE
- DIRECTION OF SURFACE DRAINAGE
- 203.0 + — EXISTING SPOT ELEVATION
- 203.0 + — PROPOSED SPOT ELEVATION
- ACCESSIBLE WAY
- ADA DETECTABLE WARNING PAD

LAWN RESTORATION SCHEDULE & NOTES

	SPECIES	LBS / 1,000 SQFT
PERMANENT SEED MIXTURE	TALL FESCUE	1
	KENTUCKY BLUEGRASS	3
	PERENNIAL RYEGRASS	1

NOTE: OPTIMUM PERMANENT SEEDING SCHEDULE: SPRING OR EARLY FALL

1. REMOVE ALL DEBRIS (STICKS, STONES, ETC.) FROM AREA, AND PREPARE SOIL BY TILLING TO A 3"–4" DEPTH.
2. RAKE SURFACE LEVEL TO PREVENT WATER FROM POOLING IN ONE AREA. AREAS LOCATED ON A SLOPE SHALL BE RAKED PARALLEL WITH CONTOURS TO PREVENT MOISTURE RUN–OFF.
3. FERTILIZER SHALL BE APPLIED TO THE TILLED SOIL AT RATE OF 6 LBS. PER 1,000 sq.ft. FERTILIZER SHALL BE A COMMERCIAL 10–0–10 MIXTURE.
4. AREA SHALL BE LIGHTLY SPRAYED WITH WATER TO ALLOW SOIL TO SETTLE.
5. PERMANENT SEED MIXTURE SHALL BE SPREAD BY HAND, LAWN SPREADER OR MECHANICAL SEEDER (AS APPROPRIATE FOR SIZE OF AREA) AT A RATE OF 5 lbs. OF SEED MIXTURE PER 1,000 sq.ft. DO NOT OVERSEED, OR OVER CROWDING OF THE SEEDLINGS MAY OCCUR, AND HAMPER PROPER LAWN GROWTH.
6. LIGHTLY COVER SEEDED AREA WITH ¼"–¾" OF SOIL. (ROLLING OF SEEDBED TO PROMOTE SOIL TO SEED CONTACT IS OPTIONAL.) AND COVER WITH A MULCH OF HAY OR STRAW AT A RATE OF 90 lbs (APPROX 2 BALES) PER 1,000 sq.ft.
7. SEEDED AREA SHALL BE COVERED WITH A MULCH OF STRAW OR HAY AT THE RATE OF 90 lbs. (APPROX. 2 BALES) PER 1,000 S.F. TO HELP MAINTAIN SOIL MOISTURE LEVEL.
8. LIGHTLY WATER SEED BED DAILY TO KEEP IT MOIST, WHILE TAKING CARE NOT TO SATURATE.
9. NEW GRASS SHALL NOT BE MOWED UNTIL IT HAS REACHED A MINIMUM HEIGHT OF 2"–2½".
10. PRACTICE REGULAR MAINTENANCE & WATER REGULARLY AS CONDITIONS REQUIRE.

PLANTING SCHEDULE

SYMBOL	QUANITY	NAME	MATURE SIZE
	10	ARISTOCRAT PEAR	25FT – 35FT

⅛" ¼" ½" 0 1" 2"
REFERENCE SCALE

ARCHITECT
ksq design
KSQ Architects PC dba KSQ Design
215 W 40th St - 15th flr
New York, NY 10018
646.435.0660 office
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Poughkeepsie, NY 12601
845-473-3600 office
www.arriscontracting.com

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date
3	SED ADDENDUM 04	05/30/2025

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: SITE PLAN
SHEET NUMBER: C-101

BID SET

PROJECT NUMBER: ###
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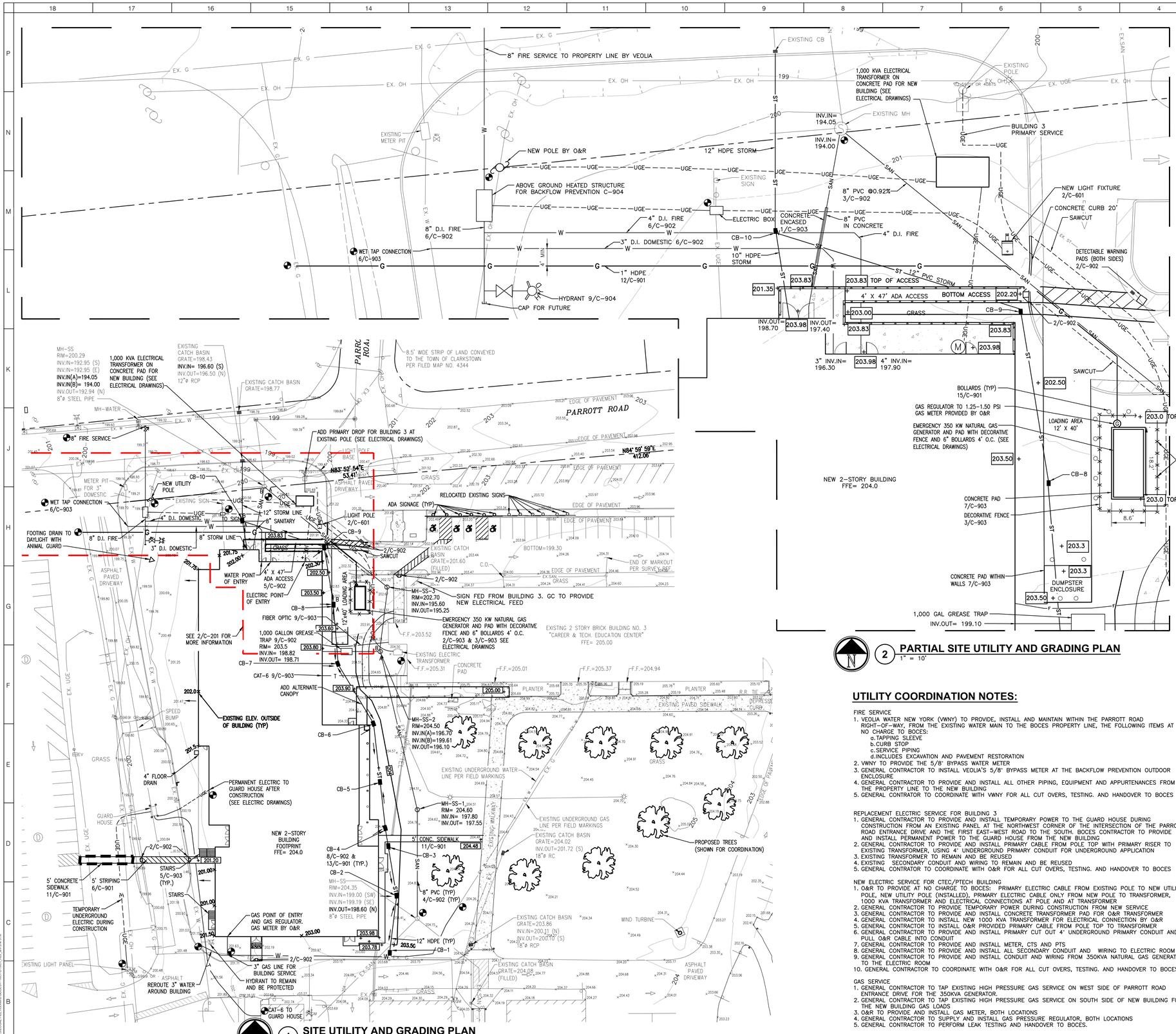

1 SITE UTILITY AND GRADING PLAN
1" = 30'

PHASING NOTES:

1. COORDINATE OUTAGES WITH ROCKLAND BOCES AND O&R
2. PROVIDE PERMANENT ELECTRIC POWER TO BUILDING 3 TRANSFORMER FROM NEW UTILITY POLE INSTALLED NEXT TO EXISTING UTILITY POLE FOR BUILDING 3.
3. ADD PRIMARY DROP OFF NEW POLE FOR EXISTING BUILDING 3 TRANSFORMER AND PROTECT DURING CONSTRUCTION.
4. PROVIDE TEMPORARY POWER DURING CONSTRUCTION FOR GUARD HOUSE FROM EXISTING ELECTRIC PANEL TO THE SOUTH WEST THAT POWERS THE PARKING LOT LIGHTS AND SIGN
5. PROVIDE CAT 6 INTERNET DATA CABLE TO GUARD HOUSE FROM BUILDING 10
6. AFTER CONSTRUCTION, PROVIDE POWER TO GUARD HOUSE FROM NEW BUILDING
7. FIRE AND DOMESTIC WATER TO USE MECHANICAL JOINTS, MEGALUG, OR APPROVED EQUAL

2 PARTIAL SITE UTILITY AND GRADING PLAN
1" = 10'

UTILITY COORDINATION NOTES:

FIRE SERVICE
1. VEOLIA WATER NEW YORK (VWNY) TO PROVIDE, INSTALL AND MAINTAIN WITHIN THE PARROTT ROAD RIGHT-OF-WAY, FROM THE EXISTING WATER MAIN TO THE BOCES PROPERTY LINE, THE FOLLOWING ITEMS AT NO CHARGE TO BOCES:
   a. TAPPING SLEEVE
   b. CURB STOP
   c. SERVICE PIPING
   d. INCLUDES EXCAVATION AND PAVEMENT RESTORATION
2. VWNY TO PROVIDE THE 5/8" BYPASS METER
3. GENERAL CONTRACTOR TO INSTALL VEOLIA'S 5/8" BYPASS METER AT THE BACKFLOW PREVENTION OUTDOOR ENCLOSURE
4. GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL OTHER PIPING, EQUIPMENT AND APPURTENANCES FROM THE PROPERTY LINE TO THE NEW BUILDING
5. GENERAL CONTRATOR TO COORDINATE WITH VWNY FOR ALL CUT OVERS, TESTING. AND HANDOVER TO BOCES

REPLACEMENT ELECTRIC SERVICE FOR BUILDING 3
1. GENERAL CONTRACTOR TO PROVIDE AND INSTALL TEMPORARY POWER TO THE GUARD HOUSE DURING CONSTRUCTION FROM AN EXISTING PANEL AT THE NORTHWEST CORNER OF THE INTERSECTION OF THE PARROTT ROAD ENTRANCE DRIVE AND THE FIRST EAST-WEST ROAD TO THE SOUTH. BOCES CONTRACTOR TO PROVIDE AND INSTALL PERMANENT POWER TO THE GUARD HOUSE FROM THE NEW BUILDING
2. GC CONTRACTOR TO PROVIDE AND INSTALL PRIMARY CABLE FROM POLE TOP WITH PRIMARY RISER TO EXISTING TRANSFORMER, USING 4" UNDERGROUND PRIMARY CONDUIT FOR UNDERGROUND APPLICATION
3. EXISTING TRANSFORMER TO REMAIN AND BE REUSED
4. EXISTING SECONDARY CONDUIT AND WIRING TO REMAIN AND BE REUSED
5. GENERAL CONTRATOR TO COORDINATE WITH O&R FOR ALL CUT OVERS, TESTING. AND HANDOVER TO BOCES

NEW ELECTRIC SERVICE FOR CTEC/PTECH BUILDING
1. O&R TO PROVIDE AT NO CHARGE TO BOCES: PRIMARY ELECTRIC CABLE FROM EXISTING POLE TO NEW UTILITY POLE, NEW UTILITY POLE (INSTALLED), PRIMARY ELECTRIC CABLE ONLY FROM NEW POLE TO TRANSFORMER, 1000 KVA TRANSFORMER AND ELECTRICAL CONNECTIONS AT POLE AND AT TRANSFORMER
2. GENERAL CONTRACTOR TO PROVIDE TEMPORARY POWER DURING CONSTRUCTION FROM NEW SERVICE
3. GENERAL CONTRACTOR TO PROVIDE AND INSTALL CONCRETE TRANSFORMER PAD FOR O&R TRANSFORMER
4. GENERAL CONTRACTOR TO INSTALL NEW 1000 KVA TRANSFORMER FOR ELECTRICAL CONNECTION BY O&R
5. GENERAL CONTRACTOR TO INSTALL O&R PROVIDED PRIMARY CABLE FROM POLE TOP TO TRANSFORMER
6. GENERAL CONTRACTOR TO PROVIDE AND INSTALL PRIMARY CUT OUT 4" UNDERGROUND PRIMARY CONDUIT AND PULL O&R CABLE INTO CONDUIT
7. GENERAL CONTRACTOR TO PROVIDE AND INSTALL METER, CTS AND PTS
8. GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL SECONDARY CONDUIT AND WIRING TO ELECTRIC ROOM
9. GENERAL CONTRACTOR TO PROVIDE AND INSTALL CONDUIT AND WIRING FROM 350KVA NATURAL GAS GENERATOR TO THE ELECTRIC ROOM
10. GENERAL CONTRACTOR TO COORDINATE WITH O&R FOR ALL CUT OVERS, TESTING. AND HANDOVER TO BOCES

GAS SERVICE
1. GENERAL CONTRACTOR TO TAP EXISTING HIGH PRESSURE GAS SERVICE ON WEST SIDE OF PARROTT ROAD ENTRANCE DRIVE FOR THE 350KVA GENERATOR.
2. GENERAL CONTRACTOR TO TAP EXISTING HIGH PRESSURE GAS SERVICE ON SOUTH SIDE OF NEW BUILDING FOR THE NEW BUILDING GAS LOADS
3. O&R TO PROVIDE AND INSTALL GAS METER, BOTH LOCATIONS
4. GENERAL CONTRACTOR TO SUPPLY AND INSTALL GAS PRESSURE REGULATOR, BOTH LOCATIONS
5. GENERAL CONTRACTOR TO PERFORM LEAK TESTING AND HANDOVER TO BOCES.

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VEOLIA WATER
FRANK MCGLYNN
NEW BUSINESS MANAGER
FRANK.MCGLYNN@VEOLIA.COM, 845-620-6215

911 ADDRESS: 65 PARROTT ROAD, WEST NYACK, NY 10994

LEGEND:

- PROPERTY LINE
- SILT FENCING
- DEMO LINE
- EX. OH — EXISTING OVERHEAD ELECTRIC
- EX. W — EXISTING WATER LINE
- EX.SAN — EXISTING SANITARY LINE
- EX.TEL — EXISTING TELEPHONE LINE
- EX. G — EXISTING GAS LINE
- EX. UGE — EXISTING UNDERGROUND ELECTRIC LINE
- OH — OVERHEAD ELECTRIC BY UTILITY
- UGE — UNDERGROUND ELECTRIC LINE
- W — WATER LINE
- SAN — SEWER LINE
- ST — STORM LINE
- T — CAT-6 DATA CABLE
- F — FIBER OPTIC CABLE
- CONSTRUCTION FENCE
- LIMITS OF PERMANENT DISTURBANCE
- FD — FOOTING DRAIN
- G — NATURAL GAS LINE
- HANDRAIL
- EXISTING TREE
- NEW TREE
- EXISTING FIRE HYDRANT
- FIRE HYDRANT
- EXISTING SEWER MANHOLE
- ELECTRIC METER, CTS AND PTS
- ELECTRIC MANHOLE
- GAS METER
- SEWER MANHOLE
- STORM CATCH BASIN
- LIGHT FIXTURE
- EXISTING STORM CATCH BASIN
- CONNECTION SYMBOL
- EXISTING WATER VALVE
- WATER VALVE
- DIRECTION OF SURFACE DRAINAGE
- 203.0 + EXISTING SPOT ELEVATION
- 203.0 + PROPOSED SPOT ELEVATION
- ACCESSIBLE WAY
- ADA DETECTABLE WARNING PAD

CATCH BASIN & GREASE TRAP SCHEDULE

	RIM	INV IN A	INV IN B	INV OUT
CB-1	203.50	start		202.00
CB-2	203.00	201.60		201.60
CB-3	203.50	201.20		201.20
CB-4	203.50	200.90		200.90
CB-5	203.00	200.50		200.50
CB-6	203.50	200.00		199.90
CB-7	203.50	199.40		199.30
CB-8	203.00	198.90		198.80
CB-9	202.00	198.10		198.00
CB-10	200.80	197.20	198.50	197.10
EXISTING CB	198.40	196.60		
GREASE TRAP	203.70	198.80		198.70

⅛" ¼" ½" 0 1" 2"
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STATE OF NEW YORK — JOHN DANIEL FELLENZER — 119333 — LICENSED PROFESSIONAL ENGINEER
NY PROFESSIONAL ENGINEER NO. 085734-1 ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: SITE UTILITY AND GRADING PLAN
SHEET NUMBER: C-201

BID SET

DRAWN BY: AJ/CH
CHECKED BY: JDF
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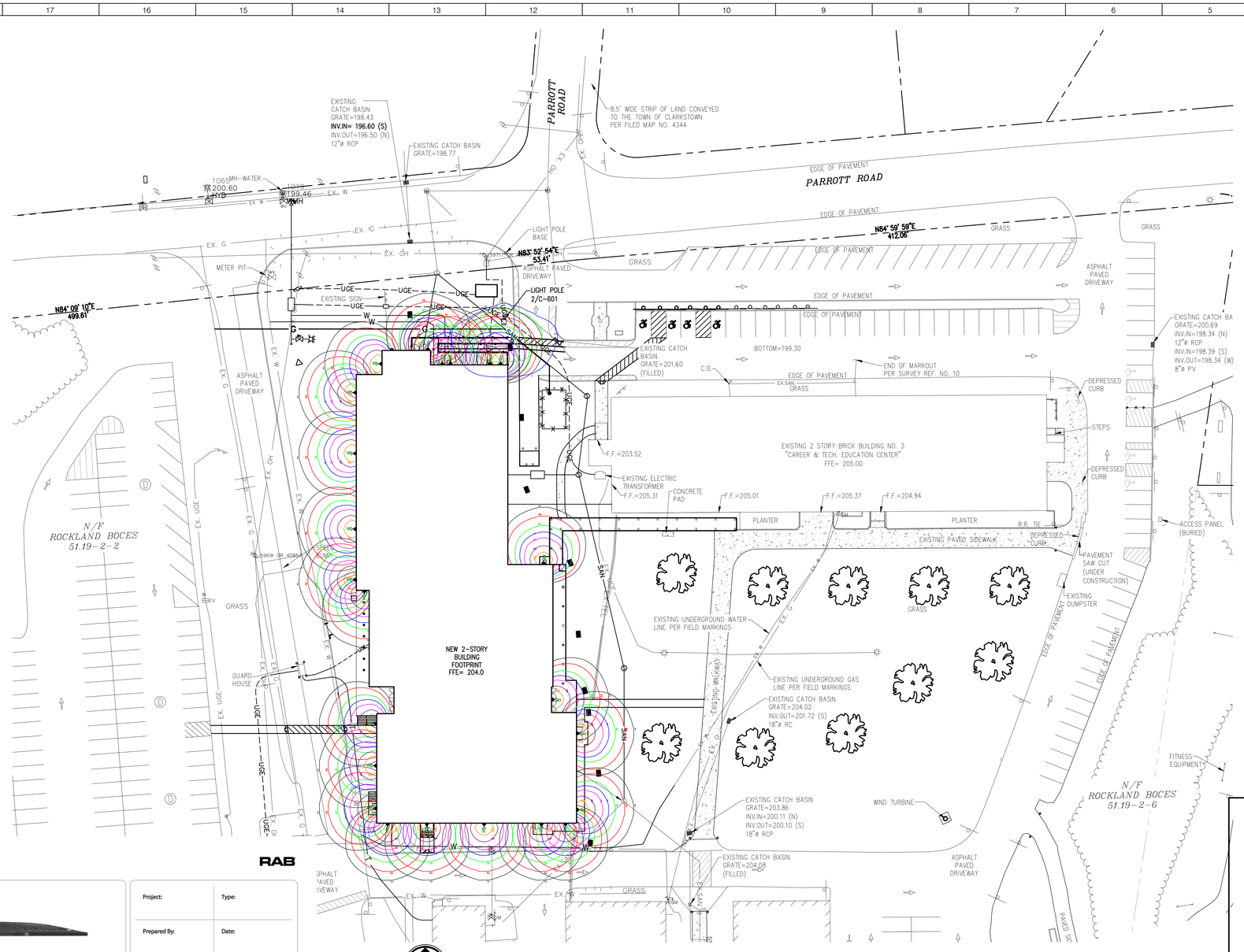


1 SITE LIGHTING PLAN

1"=30'

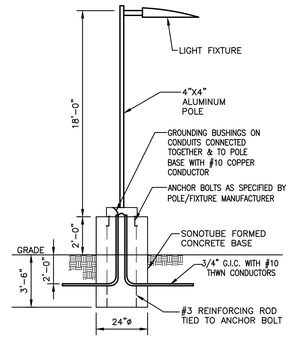
NOTES:

1. IF ADD/ALT CANOPY FROM BUILDING 3 IS NOT CHOSEN. SEE E-201 FOR LIGHTING ALONG WALKWAYS

LEGEND:

PROPERTY LINE	NEW TREE
SILT FENCING	EXISTING FIRE HYDRANT
DEMO LINE	
EXISTING OVERHEAD ELECTRIC	FIRE HYDRANT
EXISTING WATER LINE	
EXISTING SANITARY LINE	EXISTING SEWER MANHOLE
EXISTING TELEPHONE LINE	
EXISTING GAS LINE	ELECTRIC METER, CTS AND PTS
EXISTING UNDERGROUND ELECTRIC LINE	
OVERHEAD ELECTRIC BY UTILITY	ELECTRIC MANHOLE
UNDERGROUND ELECTRIC LINE	
WATER LINE	GAS METER
SEWER LINE	
STORM LINE	SEWER MANHOLE
CAT-6 DATA CABLE	
FIBER OPTIC CABLE	STORM CATCH BASIN
CONSTRUCTION FENCE	
LIMITS OF PERMANENT DISTURBANCE	
FOOTING DRAIN	LIGHT FIXTURE
NATURAL GAS LINE	
HANDRAIL	
EXISTING TREE	

EXISTING STORM CATCH BASIN	
CONNECTION SYMBOL	
EXISTING WATER VALVE	
WATER VALVE	
DIRECTION OF SURFACE DRAINAGE	
EXISTING SPOT ELEVATION	203.0 +
PROPOSED SPOT ELEVATION	203.0 +
ACCESSIBLE WAY	
ADA DETECTABLE WARNING PAD	



2 LED LIGHT POLE DETAIL

N.T.S.

A34T3S

RAB

Color: Bronze Weight: 12.4 lbs

QTY 1 MOUNTING HEIGHT 20'

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.83A/0.64A/0.44A
208V	0.60A/0.40A/0.25A
240V	0.50A/0.33A/0.21A
277V	0.39A/0.29A/0.19A
Input Watts	46.4-96.6W

LED Info

Watts	100/80/50W
Color Temp	3000/4000/5000K
Color Accuracy	81-84 CRI
L70 Lifespan	100,000 Hours
Lumens	7,357-15,508 lm
Efficacy	141.3-176.5 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
100W/80W/50W (factory default 80W)
Color temperature selectable by 3000K, 4000K and 5000K (factory default 4000K)

Compliance

UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP65 for dust and water

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: 5-V4XZ20

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

Wattage Equivalency:
100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)
80W: Replaces up to 350W Metal Halide (MH) or 250W High Pressure Sodium (HPS)
50W: Replaces up to 200W Metal Halide (MH) or 150W High Pressure Sodium (HPS)

Electrical

Driver:
100W: Constant Current, Class 1, Class P, 120-277V, 50/60 Hz,120V: 0.83A, 208V: 0.60A, 240V: 0.50A, 277V: 0.39A
80W: Constant Current, Class 1, Class P, 120-277V, 50/60 Hz,120V: 0.64A, 208V: 0.40A, 240V: 0.35A, 277V: 0.29A
50W: Constant Current, Class 1, Class P, 120-277V, 50/60 Hz,120V: 0.44A, 208V: 0.25A, 240V: 0.21A, 277V: 0.19A

Dimming Driver:
Driver Includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

Surge Protection:
L-L: 4kV; L/N-G: 6kV

Photocell:
Integrated photocell included with on/off switch

Construction

IES Classification:
The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F)

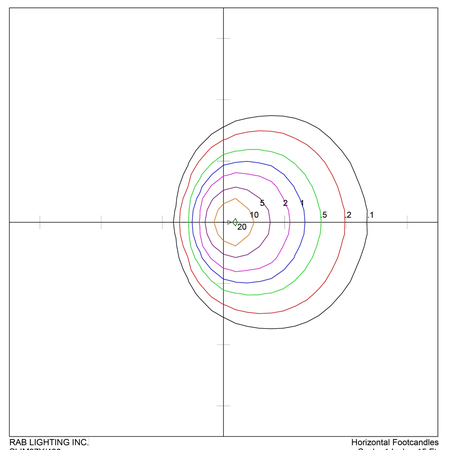
Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Lens:
Clear polycarbonate lens

Housing:
Die-cast aluminum housing, lens frame and mounting arm

Effective Projected Area:
EPA = 0.2

Vibration Rating:
3G



RAB LIGHTING INC.
SLIM37Y/480
CAST BROWN PAINTED METAL HOUSING, EXTRUDED 2-PIECE DIFFUSE
METAL HEAT SINK, 1 WHITE CIRCUIT BOARD WITH 16 LEDS, MOLDED
PLASTIC REFLECTOR WITH SPECULAR FINISH, CLEAR FLAT PRISMATIC
QTY 23

Horizontal Footcandles
Scale: 1 Inch = 15 Ft
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 3726
Mounting Height = 8.50 Ft
Maximum Calculated Value = 21.33 Fc
Arrangement: Single

Photometric Toolbox (R) Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations.
Results derived from content of manufacturers photometric file.

Page 1

REFERENCE SCALE ⅛" ¼" ½" 0 1" 2"

Page 1 of 3

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NO. 092933-1
ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: SITE LIGHTING PLAN
SHEET NUMBER: C-601

BID SET

PROJECT NUMBER: ###
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DRAWN BY: AcPub
CHECKED BY: AcPlotter
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LEGEND:

- PROPERTY LINE
- SILT FENCING
- DEMO LINE
- EX. OH — EXISTING OVERHEAD ELECTRIC
- EX. W — EXISTING WATER LINE
- EX.SAN — EXISTING SANITARY LINE
- EX.TEL — EXISTING TELEPHONE LINE
- EX. G — EXISTING GAS LINE
- EX. UGE — EXISTING UNDERGROUND ELECTRIC LINE
- OH — OVERHEAD ELECTRIC BY UTILITY
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- WATER VALVE
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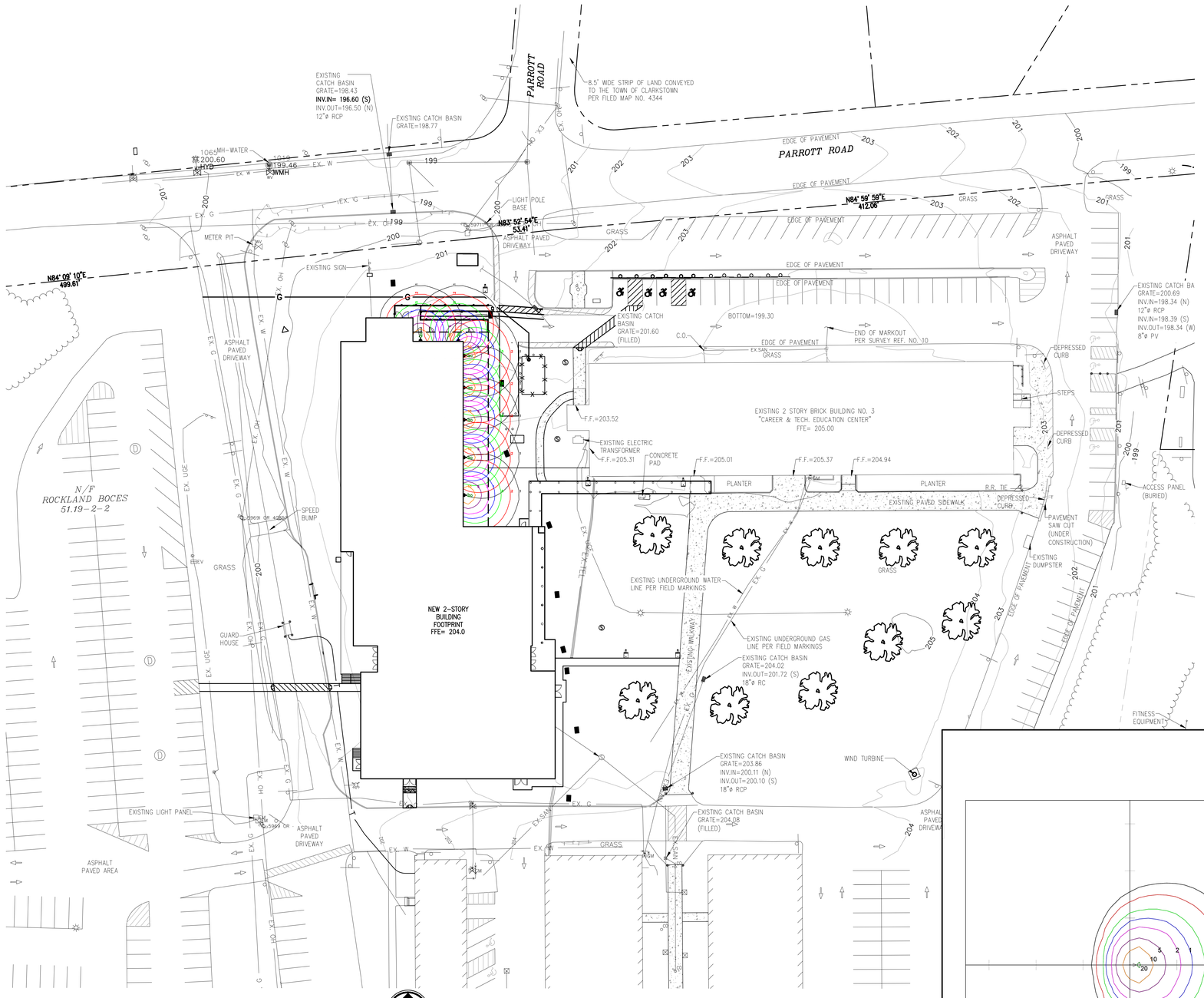
- 203.0 + — EXISTING SPOT ELEVATION
- 203.0 + — PROPOSED SPOT ELEVATION
- ACCESSIBLE WAY
- ADA DETECTABLE WARNING PAD

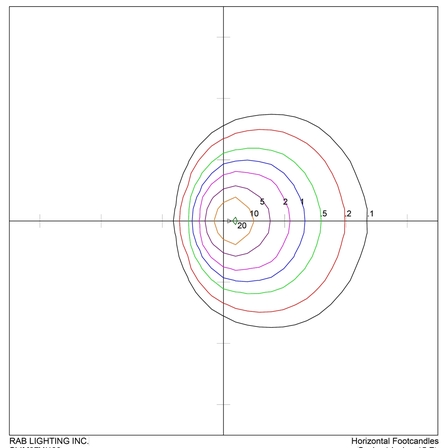


SITE LIGHTING PLAN - BUILDING SECOND FLOOR

1"=30'

NOTES:

1. IF ADD/ALT CANOPY FROM BUILDING 3 IS NOT CHOSEN. SEE E-201 FOR LIGHTING ALONG WALKWAYS



RAB LIGHTING INC.
SLIM37Y/480
CAST BROWN PAINTED METAL HOUSING, EXTRUDED 2-PIECE DIFFUSE,
METAL HEAT SINK, 1 WHITE CIRCUIT BOARD WITH 16 LEDS, MOLDED
PLASTIC REFLECTOR WITH SPECULAR FINISH,
CLEAR FLAT PRISMATIC
QTY 7

Horizontal Footcandles
Scale: 1 Inch = 15 Ft
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 3726
Mounting Height = 8.50 Ft
Maximum Calculated Value = 21.33 Fc
Arrangement: Single

Photometric Toolbox (R) Copyright 2002-2019 by Lighting Analysts, Inc.
Calculations based on published IES Methods and recommendations.
Results derived from content of manufacturers photometric file.

Page 1

⅛" ¼" ½" 0 1" 2"
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/25

SCALE: AS SHOWN

SHEET NAME:
SITE LIGHTING PLAN - BUILDING SECOND FLOOR

SHEET NUMBER:
C-602

BID SET

PROJECT NUMBER: ###
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DRAWN BY: AuthorCHECKED BY: Checker
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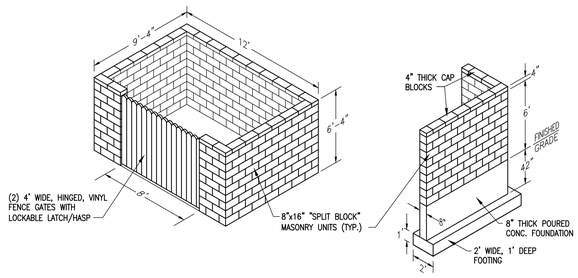
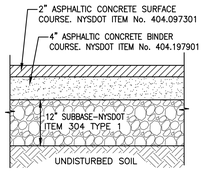
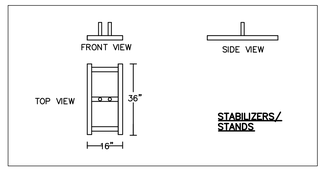


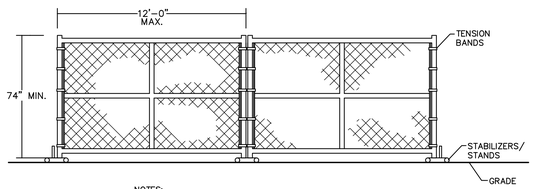
1 MASONRY UNIT DUMPSTER ENCLOSURE DETAIL
N.T.S.

NOTES:
1. CONCEPT DESIGN ONLY NOT FOR CONSTRUCTION.
2. OWNER TO PROVIDE SIGNED AND SEALED DESIGN BY A NYS LICENSED DESIGN PROFESSIONAL.
3. CONCRETE PAD WITHIN 7/C–903.



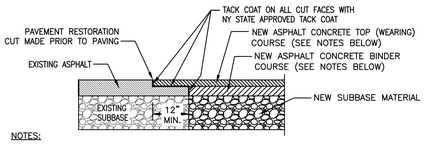
2 HEAVY DUTY ASPHALTIC PAVEMENT DETAIL
N.T.S.





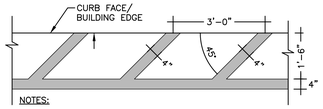
NOTES:
1. 2x11GA WIRE FILL
2. TENSION BANDS W/ NUTS AND BOLTS (NOT PRESS CLIPS)
3. WIRE TIES EVERY 12"
4. PROVIDE SAND BAGS AS ADDITIONAL SUPPORT ATOP STABILIZERS/STANDS.

9 TEMP. CHAIN LINK FENCING DETAIL
N.T.S.



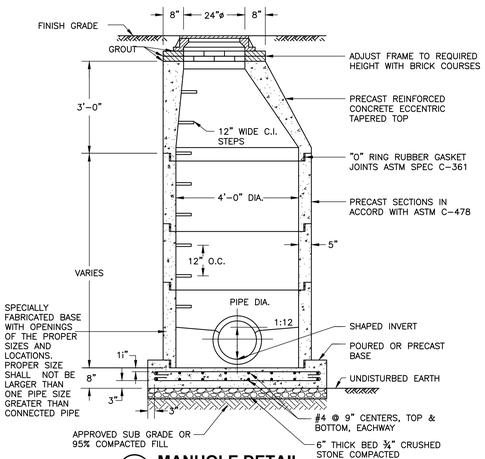
NOTES:
1. CONSULT PAVEMENT DETAIL SPECIFIC TO TYPE OF PAVEMENT BEING RESTORED FOR THAT AREA FOR REQUIRED MATERIAL SPECIFICATIONS AND DEPTH REQUIRED.
2. IN NO CASE SHALL THE THICKNESS OF NEW PAVEMENT LAYERS BE LESS THE CORESSPONDING LAYERS OF THE EXISTING PAVEMENT.

3 PAVEMENT RESTORATION DETAIL
N.T.S.



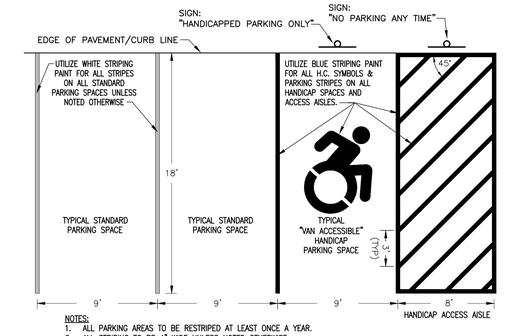
NOTES:
1. UTILIZE BRIGHT YELLOW ROADWAY PAINT FOR ALL STRIPES.
2. ALL STRIPES SHALL BE REPAINTED A MINIMUM OF ONCE PER YEAR.

4 FIRE LANE STRIPING DETAIL
N.T.S.



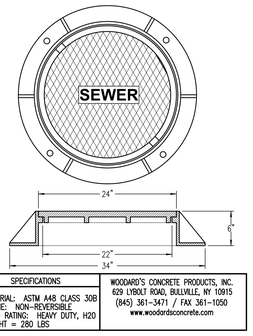
10 MANHOLE DETAIL
N.T.S.

GENERAL NOTES
1. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OR MATCH THE FLOWLINE OF THE PIPE.
2. SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF 2%.
3. ALL JOINTS ON SEWER LATERAL PIPE WITHIN THE RIGHT–OF–WAY SHALL BE COMPRESSION TYPE.
4. LATERAL SHALL EXTEND TO PROPERTY LINE UNLESS OTHERWISE SHOWN ON PLANS.
5. SADDLE CONNECTION SHALL BE PVC SADDLE WITH STAINLESS STEEL STRAPS.
6. ROMAC "CB" SEWER SADDLES OR EQUAL MAY BE USED ON SEWER MAINS OTHER THAN PVC.
7. IN NO CASE SHALL A LATERAL CONNECT TO THE SEWER MAIN DIRECTLY ON TOP OR MATCH THE FLOWLINE OF THE PIPE.



NOTES:
1. ALL PARKING AREAS TO BE RESTRIPED AT LEAST ONCE A YEAR.
2. ALL STRIPING TO BE 4" WIDE UNLESS NOTED OTHERWISE.
3. SEE SIGN DETAILS FOR SIGN MOUNTING AND SIGN HEIGHT REQUIREMENTS.
4. AT LEAST 1 (ONE) SPACE OF EVERY 8 (EIGHT) REQUIRED HANDICAP SPACES SHALL BE "VAN ACCESSIBLE", WITH A MINIMUM REQUIREMENT OF 1 (ONE) "VAN ACCESSIBLE" SPACE, IF LESS THAN 8 HANDICAP SPACES ARE REQUIRED.

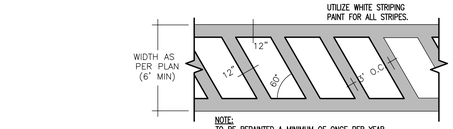
5 VAN ACCESSIBLE HANDICAP PARKING - STRIPING DETAIL
N.T.S.



SPECIFICATIONS	WOODARD'S CONCRETE PRODUCTS, INC. 629 LYBOLT ROAD, BULLVILLE, NY 10915 (845) 361–3471 / FAX 361–1050 www.woodardsconcrete.com
MATERIAL: ASTM A48 CLASS 30B FRAME: NON–REVERSIBLE LOAD RATING: HEAVY DUTY, H20 WEIGHT = 280 LBS	

11 MODEL: MANHOLE-24 SEWER HEAVY DUTY CAST IRON FRAME & COVER
N.T.S.

NOTE:
1. FOR MANHOLE FRAME AND COVERS IN NYSDOT RIGHT OF WAY SHALL BE PROVIDED BY AN APPROVED NYSDOT SUPPLIER



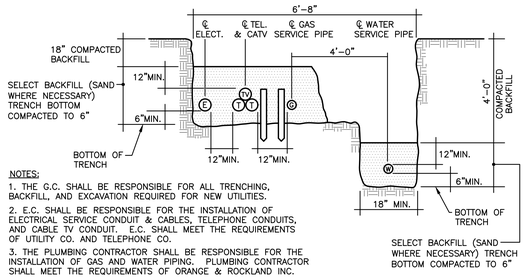
NOTE:
TO BE REPAINTED A MINIMUM OF ONCE PER YEAR

6 CROSSWALK STRIPING DETAIL
N.T.S.

LETTERING: GREEN
BORDER: BLUE
SYMBOL: WHITE WITH BLUE FIELD
SIGN BACKGROUND: REFLECTIVE WHITE

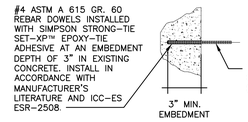
7 HANDICAP RESERVED PARKING SIGN
N.T.S.

8 NO PARKING ANYTIME SIGN
N.T.S.

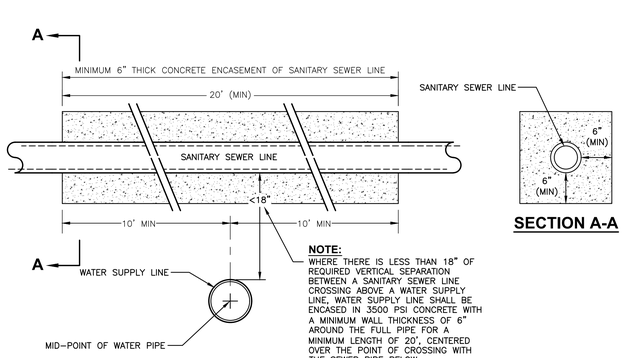


NOTES:
1. THE G.C. SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILL, AND EXCAVATION REQUIRED FOR NEW UTILITIES.
2. E.C. SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ELECTRICAL SERVICE CONDUIT & CABLES, TELEPHONE CONDUITS, AND CABLE TV CONDUIT. E.C. SHALL MEET THE REQUIREMENTS OF UTILITY CO. AND TELEPHONE CO.
3. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF GAS AND WATER PIPING. PLUMBING CONTRACTOR SHALL MEET THE REQUIREMENTS OF ORANGE & ROCKLAND INC.

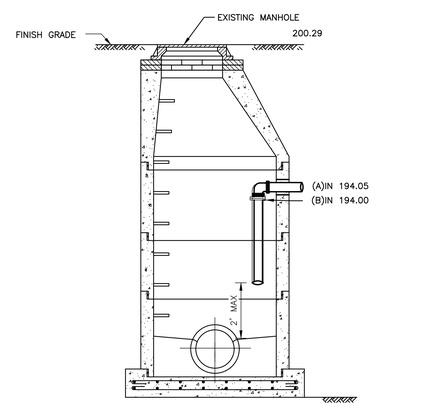
12 TRENCHING DETAIL
N.T.S.



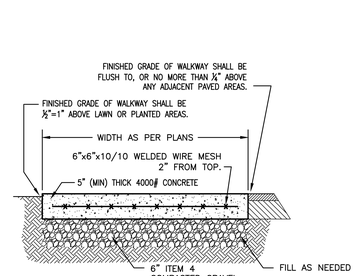
13 DOWEL INSTALLATION DETAIL
N.T.S.



16 SANITARY SEWER LINE CROSSING OVER WATER SUPPLY LINE WITH LESS THAN 18" VERTICAL CLEARANCE
N.T.S.

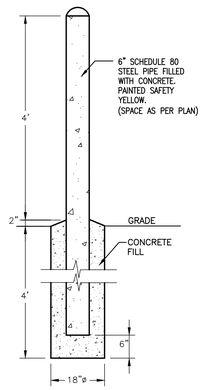


17 EXISTING MANHOLE MH-SS CONNECTION DETAIL
N.T.S.



NOTES:
1. EXPANSION JOINTS OF 1/4" CELLULOSE OR SIMILAR WITH 1/4" RADIUS EDGES SHALL BE PLACED ACROSS THE FULL WIDTH OF WALWAY, AT INTERVALS NOT TO EXCEED 20' ALONG LENGTH OF SIDEWALK.
2. CONTRACTION JOINTS (ACROSS FULL WIDTH OF WALK) SHALL BE LOCATED AT A MAXIMUM SPACING OF 5' ON CENTER BETWEEN EXPANSION JOINTS.

14 TYPICAL SIDEWALK DETAIL
N.T.S.



15 BOLLARD POST DETAIL
N.T.S.

NOTES:
1. INSTALL 4' ON CENTER

ARCHITECT

ksq design

KSQ Architects PC dba KSQ Design
215 W 40th St - 15th flr
New York, NY 10018
646.435.0660 office
www.ksq.design

Owner

ROCKLAND BOCES
65 Parrott Rd.
West Nyack, NY, 10994
845-627-4700 office
www.rocklandboces.org

Civil & MEP Engineer

Fellenzer Engineering LLP
22 Mulberry Street, Suite 2A
Middletown, NY 10940
845.343.1481 office
www.fellp.com
FE #: 23-284

Structural Engineer

GACE CONSULTING ENGINEERS
148 Madison Avenue, Fourth Floor
New York, NY 10016
212-545-7878 office
www.structuralengineerwebsite.com

Food Service Consultant:

ELITE | STUDIO E
1865 New Hwy #1
Farmingdale, NY, 11735
631-420-9400 office
www.elitestudioe.com

Construction Manager:

ARRIS CONTRACTING COMPANY, Inc.
189 Smith Street
Poughkeepsie, NY 12601
845-473-3600 office
www.arriscontracting.com

JOHN D. FELLENZER, P.E.
STATE OF NEW YORK — JOHN DANIEL FELLENZER — 092933 — LICENSED PROFESSIONAL ENGINEER
NY PROFESSIONAL ENGINEER
NO. 092933–1
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: DETAILS
SHEET NUMBER: C-901

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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5/16/2024 9:02:28 AM

PROJECT NUMBER: ###
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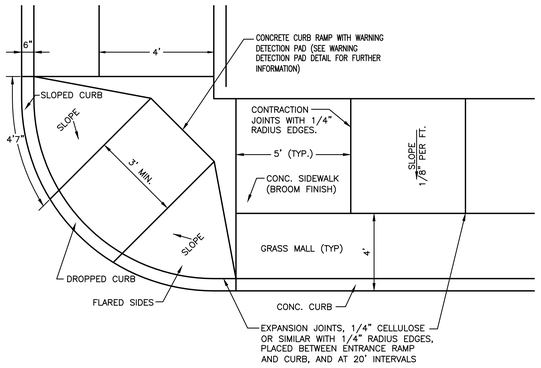
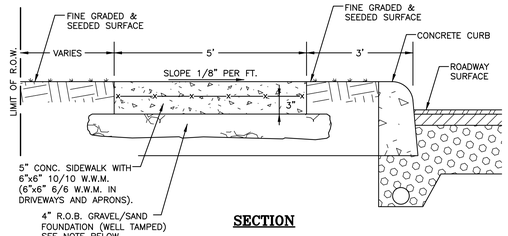


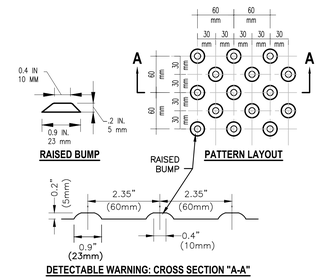
PLAN VIEW



SECTION

1 TYPICAL SIDEWALK DETAIL
N.T.S.

NOTES:
1. FOUNDATION SHALL BE ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, SW, SP, AND SM; FREE OF ROCK OR GRAVEL LARGER THAN 2 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, OR OTHER DELETERIOUS MATTER.



DETECTABLE WARNING: CROSS SECTION "A-A"

2 DETECTABLE WARNING PAD DETAIL
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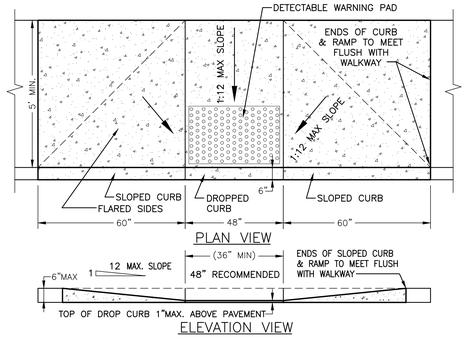
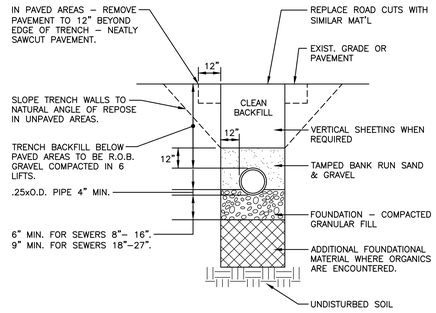
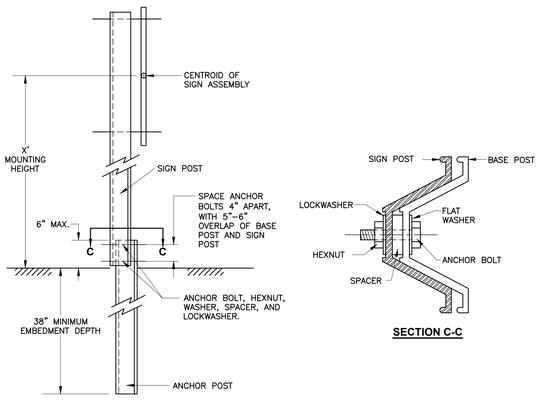


2A CONCRETE DROP CURB WITH RAMP
N.T.S.

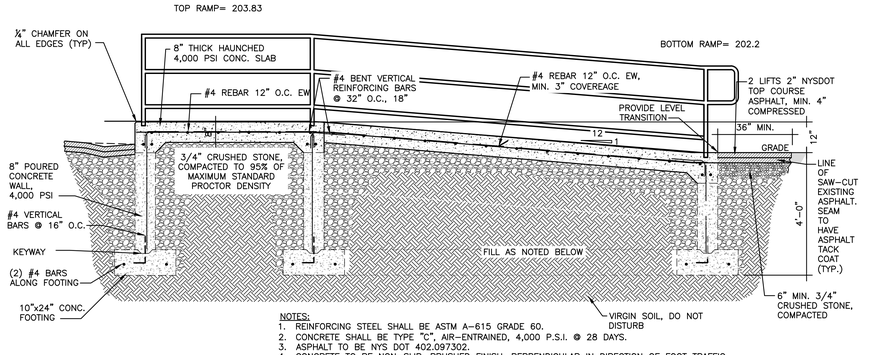


3 TYPICAL TRENCH - SEWER LINE
N.T.S.



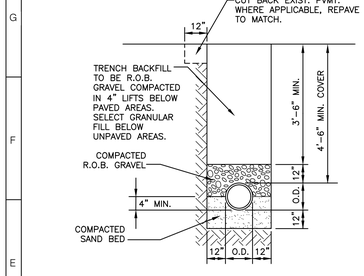
SECTION C-C

4 BREAKAWAY STYLE SIGN POST DETAIL
N.T.S.

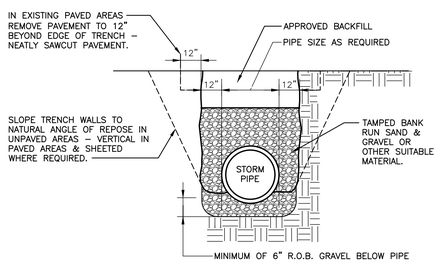


NOTES:
1. REINFORCING STEEL SHALL BE ASTM A-615 GRADE 60.
2. CONCRETE SHALL BE TYPE "C", AIR-ENTRAINED, 4,000 P.S.I. @ 28 DAYS.
3. ASPHALT TO BE NYS DOT 402.097302.
4. CONCRETE TO BE NON-SLIP, BRUSHED FINISH, PERPENDICULAR IN DIRECTION OF FOOT TRAFFIC.
5. FOR STAIRS, FILL AS NEEDED UNDER STAIRS
6. FOUNDATION SHALL BE ASTM D 2487 SOIL CLASSIFICATION GROUPS GW, GP, SW, SP, AND SM; FREE OF ROCK OR GRAVEL LARGER THAN 2 INCHES IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, OR OTHER DELETERIOUS MATTER.

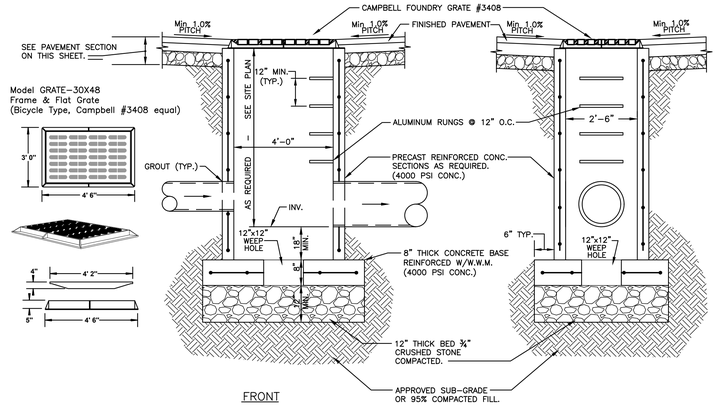
5 RAMP SECTION
SCALE: NTS



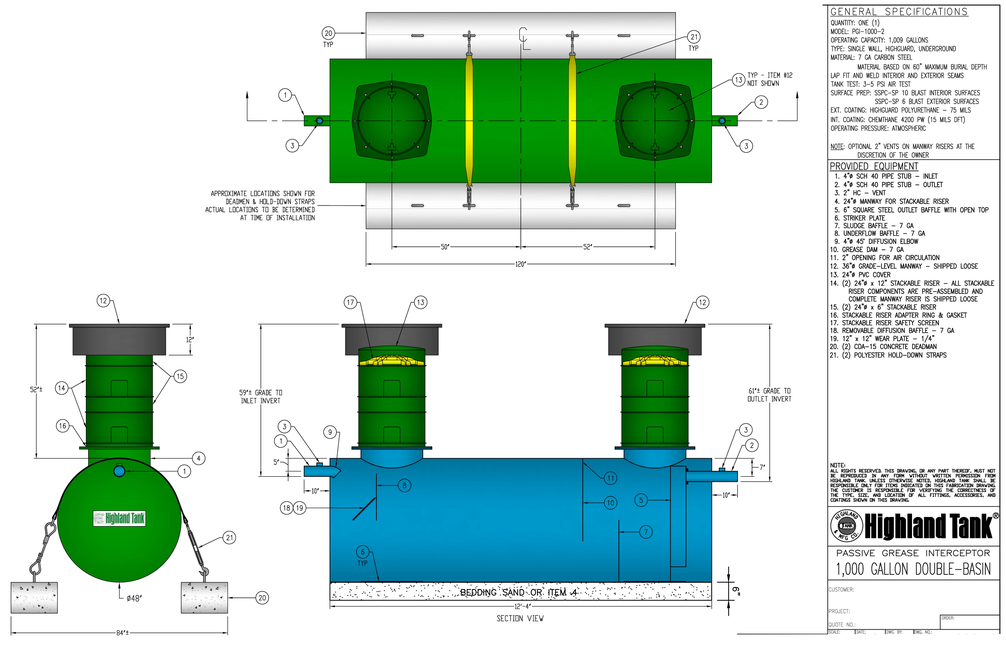
6 TYPICAL TRENCH - WATER MAIN DETAIL
N.T.S.



7 TYPICAL TRENCH - STORM DRAINAGE
N.T.S.



8 TYPICAL YARD TYPE CATCH BASIN
N.T.S.



GENERAL SPECIFICATIONS
QUANTITY: ONE (1)
MODEL: PG-1000-2
OPERATING CAPACITY: 1,009 GALLONS
TYPE: SINGLE WALL, HIGHGUARD, UNDERGROUND
MATERIAL: 7 GA CARBON STEEL
MATERIAL BASED ON 60" MAXIMUM BURIAL DEPTH
LAP FIT AND WELD INTERIOR AND EXTERIOR SEAMS
TANK TEST: 3-5 PSI AIR TEST
SURFACE PREP: SSPC-SP 10 BLAST INTERIOR SURFACES
SSPC-SP 6 BLAST EXTERIOR SURFACES
EXT. COATING: HIGHGUARD POLYURETHANE – 75 MILS
INT. COATING: CHEMTHANE 4200 PW (15 MILS DFT)
OPERATING PRESSURE: ATMOSPHERIC

NOTE: OPTIONAL 2" VENTS ON MANWAY RISERS AT THE DISCRETION OF THE OWNER

PROVIDED EQUIPMENT
1. 4"ø SCH 40 PIPE STUB – INLET
2. 4"ø SCH 40 PIPE STUB – OUTLET
3. 2" HC – VENT
4. 24"ø MANWAY FOR STACKABLE RISER
5. 6" SQUARE STEEL OUTLET BAFFLE WITH OPEN TOP
6. STRIKER PLATE
7. SLUDGE BAFFLE – 7 GA
8. UNDERFLOW BAFFLE – 7 GA
9. 4"ø 45° DIFFUSION ELBOW
10. GREASE DAM – 7 GA
11. 2" OPENING FOR AIR CIRCULATION
12. 36"ø GRADE-LEVEL MANWAY – SHIPPED LOOSE
13. 24"ø PVC COVER
14. (2) 24"ø x 12" STACKABLE RISER – ALL STACKABLE RISER COMPONENTS ARE PRE-ASSEMBLED AND COMPLETE MANWAY RISER IS SHIPPED LOOSE
15. (2) 24"ø x 6" STACKABLE RISER
16. STACKABLE RISER ADAPTER RING & GASKET
17. STACKABLE RISER SAFETY SCREEN
18. REMOVABLE DIFFUSION BAFFLE – 7 GA
19. 12" x 12" WEAR PLATE – 1/4"
20. (2) CDA-15 CONCRETE DEADMAN
21. (2) POLYESTER HOLD-DOWN STRAPS

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1,000 GALLON DOUBLE-BASIN
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PROJECT:
QUOTE NO.:
DRAWN: | DATE: | ENG. BY: | ENG. NO.: | CHECK

9 1,000 GAL. GREASE TRAP DETAIL
N.T.S.

ARCHITECT
ksqdesign
KSQ Architects PC dba KSQ Design
215 W 40th St - 15th flr
New York, NY 10018
646.435.0660 office
www.ksq.design

Owner
ROCKLAND BOCES
65 Parrott Rd.
West Nyack, NY, 10994
845-627-4700 office
www.rocklandboces.org

Civil & MEP Engineer
Fellenzer Engineering LLP
22 Mulberry Street, Suite 2A
Middletown, NY 10940
845.343.1481 office
www.fellp.com
FE #: 23-284

Structural Engineer
GACE CONSULTING ENGINEERS
148 Madison Avenue, Fourth Floor
New York, NY 10016
212-545-7878 office
www.structuralengineerwebsite.com

Food Service Consultant:
ELITE | STUDIO E
1865 New Hwy #1
Farmingdale, NY, 11735
631-420-9400 office
www.elitestudioe.com

Construction Manager:
ARRIS CONTRACTING COMPANY, Inc.
189 Smith Street
Poughkeepsie, NY 12601
845-473-3600 office
www.arriscontracting.com

JOHN D. FELLENZER, P.E.
STATE OF NEW YORK
JOHN DANIEL FELLENZER
LICENSED PROFESSIONAL ENGINEER
NY PROFESSIONAL ENGINEER
NO. 085774-1
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: DETAILS
SHEET NUMBER: C-902

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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5/16/2024 9:02:28 AM
PROJECT NUMBER: ###
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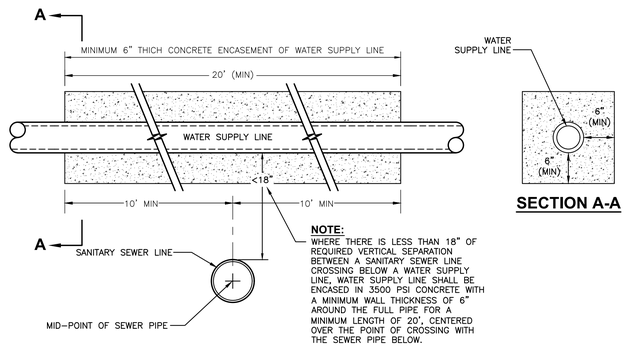
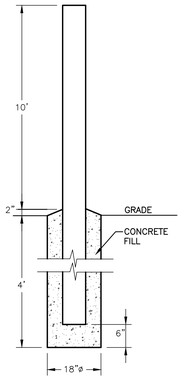


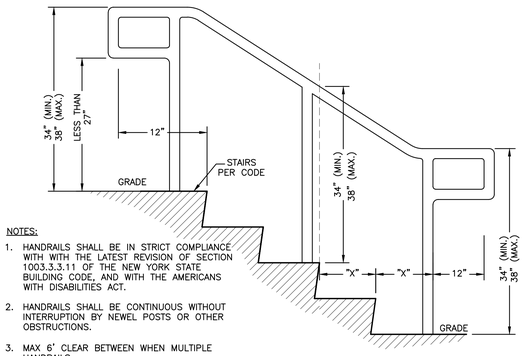
SECTION A-A

1 WATER SUPPLY CROSSING OVER SANITARY SEWER WITH LESS THAN 18" VERTICAL CLEARANCE
N.T.S.



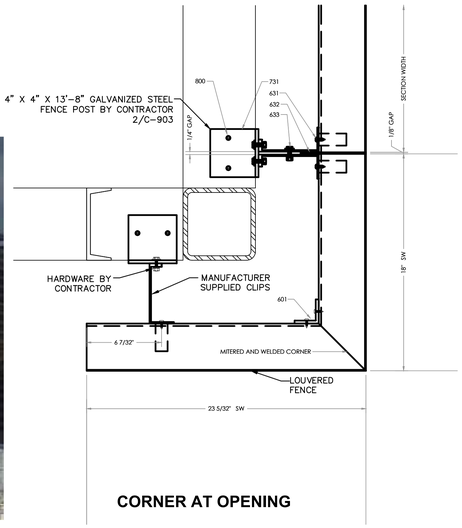
2 FENCE POST DETAIL
N.T.S.

NOTES:
1. INSTALL 4'-6" ON CENTER



NOTES:
1. HANDRAILS SHALL BE IN STRICT COMPLIANCE WITH WITH THE LATEST REVISION OF SECTION 1003.3.3.11 OF THE NEW YORK STATE BUILDING CODE, AND WITH THE AMERICANS WITH DISABILITIES ACT.
2. HANDRAILS SHALL BE CONTINUOUS WITHOUT INTERRUPTION BY NEWEL POSTS OR OTHER OBSTRUCTIONS.
3. MAX 6' CLEAR BETWEEN WHEN MULTIPLE HANDRAILS.

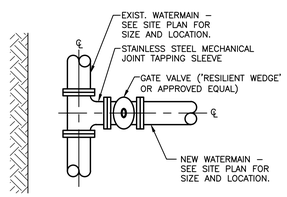
3 MINIMUM A.D.A HANDRAIL REQUIREMENTS
N.T.S.



CORNER AT OPENING

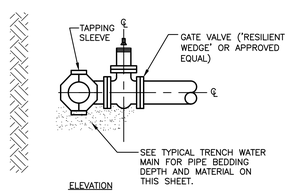
3 HORIZONTAL LOUVERED FENCE
N.T.S.

NOTES:
1. MANUFACTURED BY INDUSTRIAL LOUVERS INC OR APPROVED EQUAL
2. DETAIL 8/C-903 FOR SECTION VIEW
3. CONTRACTOR TO SUPPLY (16) 4" X 4" X 13'-8" GALVANIZED STEEL PILES AND MOUNTING HARDWARE FOR MANUFACTURER SUPPLIED CLIPS



PLAN

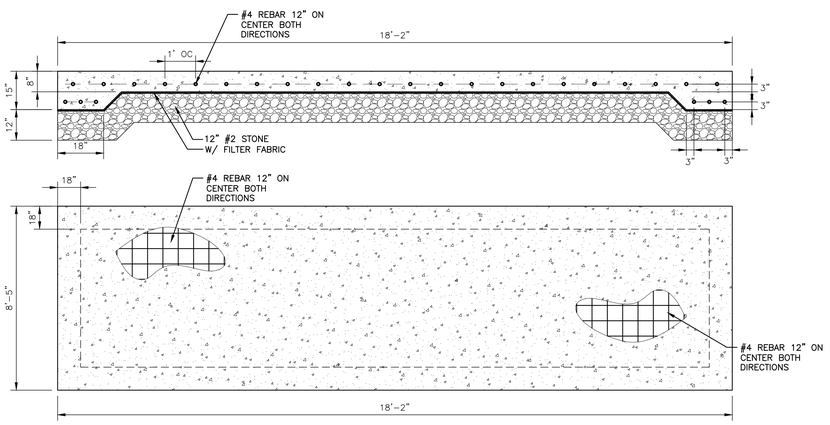
NOTE: THE USE OF CONCRETE THRUST BLOCKS SHALL NOT BE ALLOWED. ALL CONNECTIONS SHALL BE REINFORCED WITH MECHANICAL RESTRAINTS ("MEGALUG" OR APPROVED EQUAL).



ELEVATION

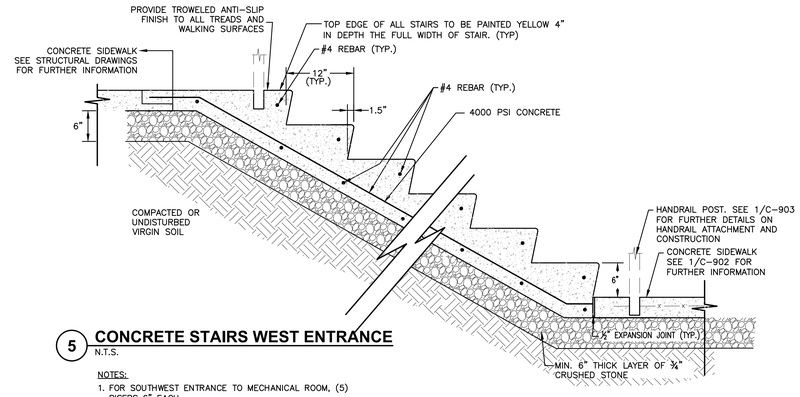
NOTE
GATE VALVE SHALL OPEN BY TURNING TO THE LEFT (COUNTER CLOCKWISE), ALL OTHER SUBSURFACE SHUT OFF VALVES SHALL OPERATE IN THE SAME MANNER.

6 TAPPING SLEEVE & GATE VALVE DETAIL
N.T.S.



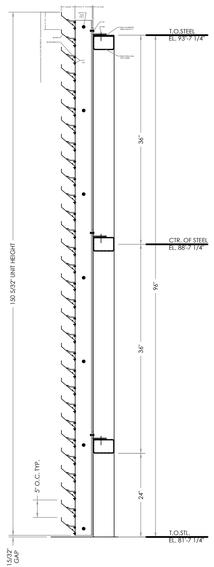
NOTE:
1. PAD SIZE SHALL BE 6" LARGER ON ALL SIDES THAN GENERATOR ENCLOSURE. COORDINATE WITH APPROVED SHOP DRAWINGS.

7 CONCRETE PAD DETAIL
N.T.S.

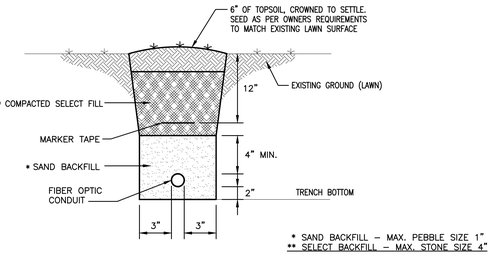


5 CONCRETE STAIRS WEST ENTRANCE
N.T.S.

NOTES:
1. FOR SOUTHWEST ENTRANCE TO MECHANICAL ROOM, (5) RISERS 6" EACH
2. FOR SOUTH ENTRANCE TO GYM (4) RISERS, 5 ½" EACH
3. FOR WEST MAIN ENTRANCE (5) RISERS 6-1/16" EACH
4. SEE STRUCTURAL DRAWINGS FOR STAIR TO BUILDING DETAILS AND DOWELS
5. REBAR TO BE A MINIMUM OF 3" FROM EDGE OF CONCRETE



8 FENCE VERTICAL SECTION
N.T.S.



* SAND BACKFILL – MAX. PEBBLE SIZE 1"
** SELECT BACKFILL – MAX. STONE SIZE 4"

NOTES:
1. MINIMUM CLEARANCE TO OTHER UTILITIES SUCH AS WATER & SEWER. CONSULT OTHER UTILITY FOR CLEARANCES OR LOCAL ORDINANCES.

9 FIBER OPTIC TRENCH & TRENCH RESTORATION FOR TRENCH OPENINGS IN GRASSED AREAS
N.T.S.

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JOHN D. FELLENZER, P.E.
STATE OF NEW YORK · JOHN DANIEL FELLENZER · LICENSED PROFESSIONAL ENGINEER · 083731
NY PROFESSIONAL ENGINEER
NO. 083731-1
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: DETAILS
SHEET NUMBER: C-903

BID SET

PROJECT NUMBER: ###
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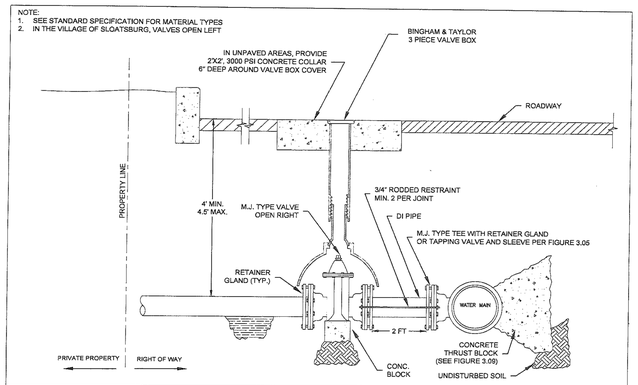
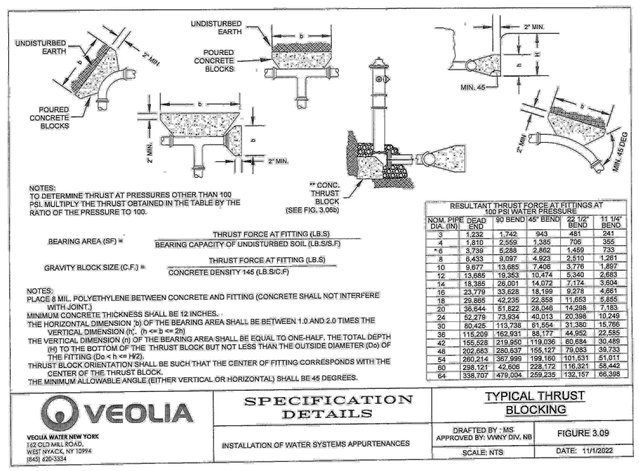


VEOLIA WATER NEW YORK 162 OLD MILL ROAD, WEST NYACK, NY 10994 (845) 420-3334	SPECIFICATION DETAILS	4" AND LARGER SERVICE CONNECTION
	INSTALLATION OF WATER SYSTEMS APPURTENANCES	DRAFTED BY : MS APPROVED BY: VWNY DIV. NB — FIGURE 3.04
		SCALE: NTS — DATE: 11/1/2022

BY UTILITY



NOTES:
TO DETERMINE THRUST AT PRESSURES OTHER THAN 100 PSI, MULTIPLY THE THRUST OBTAINED IN THE TABLE BY THE RATIO OF THE PRESSURE TO 100.

BEARING AREA (SF) = THRUST FORCE AT FITTING (LB.S) / BEARING CAPACITY OF UNDISTURBED SOIL (LB.S/S.F)

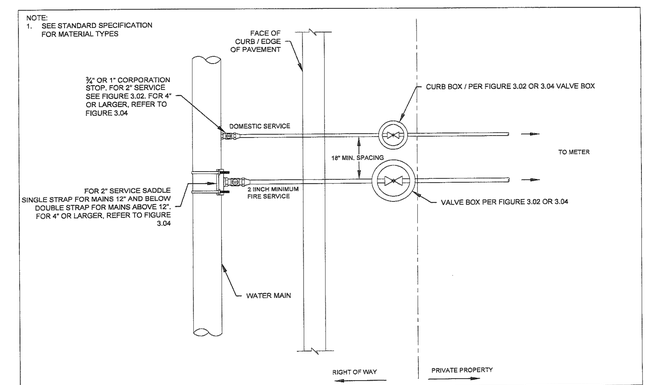
GRAVITY BLOCK SIZE (C.F.) = THRUST FORCE AT FITTING (LB.S) / CONCRETE DENSITY 146 (LB.S/C.F)

NOTES:
PLACE 8 MIL. POLYETHYLENE BETWEEN CONCRETE AND FITTING (CONCRETE SHALL NOT INTERFERE WITH JOINT.)
MINIMUM CONCRETE THICKNESS SHALL BE 12 INCHES.
THE HORIZONTAL DIMENSION (b) OF THE BEARING AREA SHALL BE BETWEEN 1.0 AND 2.0 TIMES THE VERTICAL DIMENSION (h); (h <= b <= 2h)
THE VERTICAL DIMENSION (H) OF THE BEARING AREA SHALL BE EQUAL TO ONE-HALF, THE TOTAL DEPTH (H) TO THE BOTTOM OF THE THRUST BLOCK BUT NOT LESS THAN THE OUTSIDE DIAMETER (Do) OF THE FITTING (Do < h <= W2).
THRUST BLOCK ORIENTATION SHALL BE SUCH THAT THE CENTER OF FITTING CORRESPONDS WITH THE CENTER OF THE THRUST BLOCK.
THE MINIMUM ALLOWABLE ANGLE (EITHER VERTICAL OR HORIZONTAL) SHALL BE 45 DEGREES.

RESULTANT THRUST FORCE AT FITTINGS AT 100 PSI WATER PRESSURE

NOM. PIPE DIA. (IN)	DEAD END	90 BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
3	1,232	1,742	943	481	241
4	1,810	2,559	1,385	706	355
*5	3,739	5,288	2,862	1,459	733
6	6,433	9,097	4,923	2,510	1,261
10	9,877	13,665	7,406	3,776	1,897
12	13,665	19,353	10,474	5,340	2,683
14	18,385	26,001	14,072	7,174	3,604
16	23,779	33,628	18,199	9,278	4,661
18	29,895	42,235	22,858	11,653	5,855
20	36,844	51,822	28,048	14,298	7,183
24	52,276	73,934	40,013	20,398	10,249
30	80,425	113,738	61,554	31,380	15,766
36	115,209	162,931	88,177	44,952	22,585
42	155,528	219,950	119,036	60,694	30,489
48	202,683	280,537	155,127	79,083	39,733
54	260,214	367,999	199,160	101,531	51,011
60	298,121	42,608	228,172	116,321	58,442
64	338,707	479,004	259,235	132,157	66,398

VEOLIA WATER NEW YORK 162 OLD MILL ROAD, WEST NYACK, NY 10994 (845) 420-3334	SPECIFICATION DETAILS	TYPICAL THRUST BLOCKING
	INSTALLATION OF WATER SYSTEMS APPURTENANCES	DRAFTED BY : MS APPROVED BY: VWNY DIV. NB — FIGURE 3.09
		SCALE: NTS — DATE: 11/1/2022



VEOLIA WATER NEW YORK 162 OLD MILL ROAD, WEST NYACK, NY 10994 (845) 420-3334	SPECIFICATION DETAILS	DOMESTIC & FIRE CONNECTION PLAN VIEW
	INSTALLATION OF WATER SYSTEMS APPURTENANCES	DRAFTED BY : MS APPROVED BY: VWNY DIV. NB — FIGURE 3.03
		SCALE: NTS — DATE: 11/1/2022

BY UTILITY

NOTE:
1. BACKFILL SHALL BE PLACED IN MINIMUM 12" LIFTS AND COMPACTED USING MECHANICAL MEANS OF COMPACTION OR AS APPROVED BY VEOLIA WATER.
2. WOOD BLOCKING SHALL NOT BE USED BENEATH THE PIPE AS A MEANS OF SETTING GRADE.
3. ROCK AND SOIL EXCAVATION PAY LIMITS SHALL BE BASED ON A 4 FEET OF DEPTH, PLUS THE DIAMETER OF PIPE, PLUS 6 INCHES OF BEDDING. THE TRENCH WIDTH SHALL BE BASED ON THE PIPE DIAMETER PLUS 24 INCHES. COSTS ASSOCIATED WITH OVER EXCAVATION SHALL BE AT THE CONTRACTORS EXPENSE.
4. COMMON BACKFILL SHALL CONSIST OF COMPACTABLE SOILS FREE OF COBBLES GREATER THAN 4 INCHES, AND JAGGED RIPPED ROCK. THE COST FOR BACKFILLING SHALL BE INCLUDED IN THE CONTRACTORS COST OF EXCAVATION.

VEOLIA WATER NEW YORK 162 OLD MILL ROAD, WEST NYACK, NY 10994 (845) 420-3334	SPECIFICATION DETAILS	WATER MAIN TRENCH DETAIL UNPAVED AREAS COUNTY OF ROCKLAND, ORANGE, & TIOGA
	INSTALLATION OF WATER SYSTEMS APPURTENANCES	DRAFTED BY : MS APPROVED BY: VWNY DIV. NB — FIGURE 3.11
		SCALE: NTS — DATE: 11/1/2022

NOTE:
1. ALL METERING ELEMENTS AND APPURTENANCES SHALL BE INSTALLED HORIZONTALLY.
2. THE 5/8" BYPASS METER SHALL BE FURNISHED AND OWNED BY VWNY. ALL OTHER EQUIPMENT AND APPURTENANCES SHALL BE FURNISHED AND INSTALLED BY THE OWNER.
3. THE DISTANCE FROM THE FLOOR TO THE PIPE CENTERLINE SHALL BE A 30" MINIMUM.
4. FREEZE PROTECTION ENCLOSURES SHALL HAVE REMOVABLE ACCESS PANELS THAT ALLOW ADEQUATE SPACE TO PERFORM MAINTENANCE DUTIES ON ALL COMPONENTS WITHOUT COMPLETELY ENTERING THE ENCLOSURE.
5. THE ENCLOSURE SHALL BE ANCHORED TO A CONCRETE PAD OR FOOTER TO SECURE ITS LOCATION AND IMPEDE THEFT AND VANDALISM.
6. THE JOINT FIRE CHIEF'S HAS REQUESTED A POWER INDICATING LIGHT BE INSTALLED ON THE OUTSIDE OF THE HOT BOX.

APPROX. DIMENSIONS:

ITEM	90 DEG. BEND	DOUBLE DETECTOR CHECK VALVE DIAMETER	DOUBLE DETECTOR CHECK VALVE LENGTH
METER SIZE (IN.)	A	B	B
2"	4 1/2"	2"	22 1/2"
3"	5 1/2"	3"	38"
4"	6 1/2"	4"	40"
6"	8"	6"	48 1/2"
8"	9"	8"	52 1/2"
10"	11"	10"	55 1/2"

VEOLIA WATER NEW YORK 162 OLD MILL ROAD, WEST NYACK, NY 10994 (845) 420-3334	UP TO 10" FIRE SERVICE ABOVE GROUND HEATED STRUCTURE
	DRAFTED BY : MS APPROVED BY: VWNY DIV. NB — DWG 5.04
	SCALE: NTS — DATE: 11/1/2022

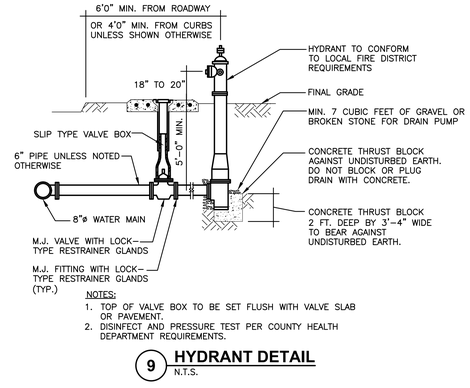
NOTE:
AMES FIRE AND WATER WORKS 3,000SS-TS-OSY-FXF, 8" OR APPROVED EQUAL

NOTES:
1. WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18" BETWEEN THE OUTSIDE OF THE WATER MAIN & THE OUTSIDE OF THE SEWER. THIS WILL BE THE CASE WHETHER THE WATER MAIN PASSES ABOVE OR BELOW THE SEWER.
2. AT CROSSINGS ONE FULL LENGTH OF SEWER PIPE SHALL BE LAID SO BOTH JOINTS WILL BE AS FAR FROM THE WATER MAIN AS POSSIBLE. SEE DETAIL WHERE THE SEWER HAS ALREADY BEEN INSTALLED, THE WATER MAIN SHALL BE PLACED SO THAT THE JOINTS ON THE WATER MAIN ARE EQUIDISTANT FROM THE SEWER.
3. WATER MAINS SHALL BE LAID AT LEAST 10' HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER. IN CASES WHERE THIS IS NOT POSSIBLE, THE REVIEWING AUTHORITY MAY ALLOW ENCASEMENT, IF SUPPORTED BY DATA FROM THE DESIGN ENGINEER.
4. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY SEWER MANHOLE.
5. IN THE EVENT THAT THERE IS A DEVIATION FROM ANY OF THE ABOVE REQUIREMENTS, SAID CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT PRIOR TO COMPLETION OF ANY SUCH CHANGES.

VEOLIA WATER NEW YORK 162 OLD MILL ROAD, WEST NYACK, NY 10994 (845) 420-3334	SPECIFICATION DETAILS	TYPICAL WATER & SEWER CROSSING AND SEPARATION
	INSTALLATION OF WATER SYSTEMS APPURTENANCES	DRAFTED BY : MS APPROVED BY: VWNY DIV. NB — FIGURE 3.14
		SCALE: NTS — DATE: 11/1/2022

VEOLIA WATER NEW YORK 162 OLD MILL ROAD, WEST NYACK, NY 10994 (845) 420-3334	SPECIFICATION DETAILS	IN-LINE GATE VALVE INSTALLATION
	INSTALLATION OF WATER SYSTEMS APPURTENANCES	DRAFTED BY : MS APPROVED BY: VWNY DIV. NB — FIGURE 3.08
		SCALE: NTS — DATE: 11/1/2022

VEOLIA WATER NEW YORK 162 OLD MILL ROAD, WEST NYACK, NY 10994 (845) 420-3334	SPECIFICATION DETAILS	TYPICAL WATER MAIN OFFSET
	INSTALLATION OF WATER SYSTEMS APPURTENANCES	DRAFTED BY : MS APPROVED BY: VWNY DIV. NB — FIGURE 3.18
		SCALE: NTS — DATE: 11/1/2022



NOTES:
1. TOP OF VALVE BOX TO BE SET FLUSH WITH VALVE SLAB OR PAVEMENT.
2. DISINFECT AND PRESSURE TEST PER COUNTY HEALTH DEPARTMENT REQUIREMENTS.

9 HYDRANT DETAIL
N.T.S.

1. SEE FIRE SERVICE NOTES ON DRAWING C-201

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STATE OF NEW YORK — JOHN DANIEL FELLENZER — 093933 — LICENSED PROFESSIONAL ENGINEER

NY PROFESSIONAL ENGINEER NO. 093933-1 ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: DETAILS
SHEET NUMBER: C-904

BID SET

DRAWN BY : Author
CHECKED BY : Checker
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5/16/2024 9:02:28 AM

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S-405	CMU WALL ELEVATIONS 2

GENERAL NOTES:

1. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS.

2. THE 2020 EDITION OF THE NEW YORK STATE BUILDING CODE, AND APPLICABLE EDITIONS OF THE FOLLOWING CODES AND STANDARDS SHALL APPLY:

   A. CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES - AISC.
   B. ANSI/AISC 360-10 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS.
   C. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE - ACI 318.
   D. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES - ACI 530, LOAD AND RESISTANCE FACTOR DESIGN
   E. SPECIFICATIONS FOR MASONRY STRUCTURES - ACI 530.1
   F. SPECIFICATIONS OF THE STEEL JOIST INSTITUTE.
   G. STANDARD SPECIFICATION FOR OPEN WEB JOISTS, K-SERIES, BY THE STEEL JOIST INSTITUTE.
   H. SDI-DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS – NO. 31

   IN CASE OF CONFLICT, THE MOST STRINGENT REQUIREMENTS SHALL APPLY.

3. FIELD MEASUREMENTS SHALL BE TAKEN AT THE SITE BY THE CONTRACTOR TO VERIFY AND SUPPLEMENT ALL DIMENSIONS AND ADDITIONS AFFECTED BY EXISTING WORK OR NEW WORK THAT HAS ALREADY BEEN INSTALLED. ANY DISCREPANCIES FROM THE INFORMATION SHOWN ON PLANS SHALL BE REPORTED TO AND COORDINATED WITH THE ARCHITECT.

4. BEFORE COMMENCEMENT OF ANY WORK AND/OR FABRICATION, THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR HIS APPROVAL CONCRETE MIX DESIGNS FOR EACH TYPE OF CONCRETE TO BE USED, MILL REPORTS FOR STEEL, STRUCTURAL PENETRATIONS AND SHOP DRAWINGS FOR ALL STRUCTURAL TRADES AND OTHER DOCUMENTS AS REQUIRED PER PROJECT SPECIFICATIONS.

5. MEMBERS WITH SIZES INDICATED ON THE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED (UON).

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL ROOF, FLOOR AND WALL PENETRATIONS, PATCHING, REPAIRING AND FLASHING AS REQUIRED.

7. ITEMS INDICATED AS "BY OTHERS" DENOTES DELEGATED DESIGN ITEMS TO BE PROVIDED BY THE CONTRACTOR (DESIGNED BY MANUFACTURER'S ENGINEER FOR PREFABRICATED ITEMS OR BY CONTRACTOR'S ENGINEER FOR CUSTOM ITEMS).

8. THE NOTES OF EACH FOLLOWING SECTION SHALL APPLY, EXCEPT AS SPECIFICALLY NOTED OR SHOWN OTHERWISE ON THE BALANCE OF THESE STRUCTURAL DRAWINGS.

FOUNDATION NOTES:

1. FOUNDATION DESIGN HAS BEEN BASED ON GEOTECHNICAL REPORT PREPARED BY TECTONIC DATED SEPTEMBER 13, 2024. A COPY OF THIS REPORT SHALL BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.

2. ALL EARTHWORK, SUBGRADE PREPARATION AND FOUNDATION WORK SHALL BE DONE ACCORDING TO THE GEOTECHNICAL REPORT AND UNDER SUPERVISION OF LICENSED GEOTECHNICAL ENGINEER IN OWNER'S DIRECT EMPLOY.

3. SPREAD FOOTINGS SHALL BEAR ON UNDISTURBED MEDIUM DENSE TO VERY DENSE NATIVE TILL SOILS, OR ON STRUCTURAL FILL PLACED OVER THESE MATERIALS, WITH A MINIMUM BEARING CAPACITY OF 1.5 TONS PER SQUARE FOOT. IF MATERIAL OF THIS CAPACITY IS NOT FOUND AT THE ELEVATIONS INDICATED THE FOOTINGS SHALL BE LOWERED AT THE DIRECTION OF THE LICENSED GEOTECHNICAL ENGINEER IN OWNER'S DIRECT EMPLOY.

4. MAKE NO EXCAVATION TO THE FULL DEPTH INDICATED WHEN FREEZING TEMPERATURES MAY BE EXPECTED UNLESS THE FOOTINGS OR SLABS CAN BE PLACED IMMEDIATELY AFTER THE EXCAVATION HAS BEEN COMPLETED. PROTECT THE BOTTOM OF EXCAVATION FROM FROST IF PLACING OF CONCRETE IS DELAYED. SHOULD PROTECTION FAIL, REMOVE FROZEN MATERIALS AND REPLACE WITH CONCRETE OR GRAVEL FILL.

5. WALLS SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE AND OTHER FORCES UNTIL SLABS, BEAMS AND OTHER MEMBERS DESIGNED TO BRACE THE FINISHED STRUCTURE HAVE BEEN IN PLACE AND HAVE ATTAINED REQUIRED CONCRETE ULTIMATE STRENGTH.

6. UNLESS OTHERWISE RECOMMENDED BY THE GEOTECHNICAL ENGINEER'S REPORT, SLABS ON GRADE SHALL BE SUPPORTED BY A COMPACTED POROUS FILL AT LEAST 6 INCHES THICK. AT INTERIOR SLABS A VAPOR BARRIER AT LEAST 15 MILS THICK SHALL BE PLACED BETWEEN THE SLAB AND THE POROUS FILL. THE POROUS FILL SHALL, IN TURN, BE SUPPORTED BY EITHER CLEAN, INORGANIC ORIGINAL SOIL OR A COMPACTED FILL WITH A MODIFIED PROCTOR DENSITY OF 90.

UNDERPINNING AND SUPPORT OF EXCAVATION:

1. UNDERPINNING AND SUPPORT OF EXCAVATION, (SHEETING, SHORING, BRACING ETC.) SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER EXPERIENCED IN THIS TYPE OF WORK, EMPLOYED BY THE OWNER. THIS ENGINEER, FURTHER REFERRED TO AS THE SUPPORT OF EXCAVATION (SOE) ENGINEER SHALL BE RESPONSIBLE FOR INSPECTION OF THIS WORK AS REQUIRED BY THE PERTINENT BUILDING CODE.

2. THE SOE ENGINEER SHALL SUBMIT UNDERPINNING, SHEETING, SHORING AND BRACING DRAWINGS TO THE ARCHITECT FOR COORDINATION WITH DESIGN DRAWINGS. SUCH DRAWINGS SHALL BE SUBMITTED PRIOR TO FILING OF THE STRUCTURAL DRAWINGS BY THE OFFICE FOR APPROVAL BY DOB.

3. THE SOE ENGINEER SHALL CARRY PROPER PROFESSIONAL AND GENERAL LIABILITY INSURANCE. GACE SHALL BE NAMED AS AN "ADDITIONAL INSURED" ON AND UNDER SOE ENGINEER'S INSURANCE POLICIES FOR GACE'S BENEFIT.

4. UNDERPINNING, SHEETING, SHORING AND BRACING, AS WELL AS OTHER ELEMENTS OF SUPPORT OF EXCAVATION (SOE) SHALL BE SHOWN ON PLANS AND DETAILED BY THE SOE ENGINEER. THE SOE ENGINEER SHALL FILE SUCH PLANS AND OBTAIN APPROVAL FROM THE DEPARTMENT OF BUILDINGS AS PART OF THE FILING FOR THE FOUNDATION PERMIT.

CAST-IN-PLACE CONCRETE NOTES:

1. CONCRETE TYPES

   A. SLABS ON GRADE (OTHER THAN SIDEWALKS) – 4,000 PSI STONE CONCRETE.
   B. CONCRETE PLACED ON METAL DECK – 3,000 PSI LIGHTWEIGHT CONCRETE (115 PCF MAX.).
   C. NON-STRUCTURAL FILL – 3,000 PSI LIGHTWEIGHT CONCRETE (115 PCF MAX.).
   D. ALL OTHER CONCRETE – 5,000 PSI STONE CONCRETE.

2. BAR REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60 UNLESS HIGHER GRADE IS INDICATED ON DRAWINGS.

3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064 WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 70,000 PSI.

4. CONCRETE SHALL BE CAST MONOLITHICALLY BETWEEN JOINTS SHOWN ON THE STRUCTURAL DRAWINGS. REQUESTS FOR ADDITIONAL CONSTRUCTION JOINTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. ADDITIONAL CONSTRUCTION JOINTS NOT SHOWN ON DRAWINGS MAY REQUIRE ADDITIONAL REINFORCING AT THE DIRECTION OF THE ENGINEER OF RECORD.

5. REINFORCEMENT MARKED "CONT." (CONTINUOUS) SHALL BE LAPPED A PROPER DISTANCE AT SPLICES AND CORNERS AND SHALL BE HOOKED OR EXTENDED A PROPER DISTANCE AT NON-CONTINUOUS ENDS AS PER SPLICE AND DEVELOPMENT LENGTH REQUIREMENTS SHOWN ON THE DRAWINGS. ALL HORIZONTAL WALL REINFORCING SHALL BE CONTINUOUS.

6. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS. THE CONTRACTOR SHALL LOCATE CONSTRUCTION JOINTS AT POINTS OF MINIMUM SHEAR.

7. REINFORCING BARS SHALL HAVE THE FOLLOWING CONCRETE PROTECTION:

CONCRETE CAST AGAINST EARTH	- 3"
EXPOSED TO EARTH OR WEATHER	- 2"
SLABS NOT EXPOSED	- 3/4"
BEAMS AND GIRDERS NOT EXPOSED	- 1-1/2" TO STIRRUPS
COLUMNS NOT EXPOSED	- 1-1/2" TO TIES

8. MAXIMUM LENGTH OF CONCRETE POUR (DISTANCE BETWEEN CONSTRUCTION JOINTS) SHALL BE 50 FEET DURING JUNE, JULY, AUGUST AND SEPTEMBER AND 75 FEET DURING THE REST OF THE YEAR. LOCATION OF CONSTRUCTION JOINTS, IF REQUIRED, SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT.

9. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ANCHOR BOLTS, ETC. AS REQUIRED BY TRADES BEFORE CONCRETE IS POURED.

10. THE CONTRACTOR SHALL PROVIDE SLAB BOLSTERS, HIGH CHAIRS AND ALL ACCESSORIES REQUIRED FOR PROPER PLACEMENT OF REINFORCING BARS AND WIRE MESH AS PER A.C.I. & C.R.S.I. STANDARDS.

11. CONCRETE MAY BE CONVEYED BY PUMPING. PUMPING METHODS SHALL COMPLY WITH REQUIREMENTS ESTABLISHED BY A.C.I. COMMITTEE 304, PLACING CONCRETE PUMPING METHODS.

12. PRIOR TO PLACING CONCRETE, ALL REINFORCEMENT SHALL BE FREE OF LOOSE FLAKY RUST, MUD, OIL OR OTHER COATING THAT WILL DESTROY, REDUCE OR HAMPER FULL BOND CAPACITY.

13. THE PLACEMENT OF DOWELS, ANCHOR RODS, OR ANY OTHER EMBEDMENTS INTO WET CONCRETE "WET STICKING", SHALL NOT BE PERMITTED.

14. CONTROL AND EXPANSION JOINTS SHALL BE PROVIDED TO MINIMIZE CRACKING AS PER ARCHITECTURAL AS WELL AS STRUCTURAL REQUIREMENTS AND IN ACCORDANCE WITH STANDARD PRACTICES ACCEPTED IN THE INDUSTRY.

15. THE FOLLOWING CRITERIA SHALL BE MET WITH REGARDS TO PLACEMENT OF CONDUITS, PIPES, ETC. IN CONCRETE SLABS.

   A. ALL CONDUITS SHALL BE CENTERED AT MID-DEPTH OF SLAB. CONDUIT DIAMETER SHALL NOT EXCEED 1/3 OF SLAB THICKNESS. CLEAR DISTANCE BETWEEN TWO ADJACENT CONDUITS SHALL BE A MINIMUM OF 3 DIAMETERS OF LARGER OF THE TWO CONDUITS.
   B. VERTICAL SLEEVES, PIPES, ETC. THROUGH SLAB EITHER CLUSTERED OR INDIVIDUAL, SHALL NOT INTERRUPT MORE THAN 1/8 OF THE WIDTH OF COLUMN STRIP.
   C. NO REINFORCEMENT BARS SHALL BE CUT, BENT, SHIFTED OR OTHERWISE ALTERED AS CONDUITS, PIPES, ETC. AS COMPARED TO WHAT IS SHOWN ON THESE DRAWINGS.
   D. ANY DEVIATIONS FROM ABOVE REQUIREMENTS SHALL BE SHOWN ON THE SHOP DRAWINGS AND SUBMITTED FOR APPROVAL BY THIS OFFICE.

MASONRY NOTES:

1. MASONRY WALL CONSTRUCTION SHOWN ON STRUCTURAL DRAWINGS SHALL CONFORM TO THE FOLLOWING:

   A. UNITS SHALL BE 16" LONG (NOMINAL) MEDIUM WEIGHT AGGREGATE CONCRETE HOLLOW UNITS WITH A MAXIMUM OVEN DRY DENSITY OF 125 PCF. UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C90. NET SOLID UNIT AREA SHALL NOT EXCEED THE FOLLOWING PERCENTAGES OF THE GROSS UNIT AREA:

      8" CMU- 55%
      10" CMU- 50%
      12" CMU- 45%

      MINIMUM UNIT COMPRESSIVE STRENGTHS TO BE USED ARE AS FOLLOWS:

      ALL FLOORS - 3,750 PSI   f'm = 2,500 PSI

   B. MORTAR SHALL BE TYPE S OR TYPE M, IN CONFORMANCE WITH ASTM C270.
   C. GROUT SHALL CONFORM TO ASTM 476 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH EQUAL TO THE MASONRY ASSEMBLY STRENGTHS (f'm) INDICATED IN NOTE 1A.
   D. USE SPECIAL UNITS AS REQUIRED TO ALLOW PROPER INSTALLATION OF BOTH VERTICAL AND HORIZONTAL REINFORCEMENT, AND ACCESSORIES TO ACCOMMODATE ARCHITECTURAL AND STRUCTURAL DESIGN. THESE MAY INCLUDE BUT NOT BE LIMITED TO BOND BEAM, LINTEL, TROUGH, CORNER AND OTHER SPECIAL UNITS.

2. GROUT SOLID ALL CELLS CONTAINING VERTICAL REINFORCEMENT BARS.

3. ALL VERTICAL REINFORCEMENT BARS SHALL BE CENTERED IN THE CELL IN BOTH DIRECTIONS.

4. THE MINIMUM HORIZONTAL REINFORCING FOR ALL MASONRY WALLS SHALL CONSIST OF TWO WIRE-9 GAGE RODS @ 16"O.C. SEE MASONRY SHEAR WALL SCHEDULES ON S-400 SERIES DRAWINGS FOR MASONRY SHEAR WALL REINFORCING.

5. THE FOLLOWING SHALL BE PROVIDED IN PARAPET WALLS:

   A. ALL CELLS AND ALL JOINTS IN SOLID, CAVITY OR MASONRY BONDED HOLLOW WALL CONSTRUCTION SHALL BE FILLED SOLID WITH GROUT AND MORTAR.
   B. HORIZONTAL WIRE REINFORCEMENT SHALL BE PROVIDED AT VERTICAL INTERVALS NOT GREATER THAN 12".
   C. HORIZONTAL REINFORCEMENT SHALL EXTEND AROUND THE CORNER FOR AT LEAST 4 FT. IN BOTH DIRECTIONS AND SPLICES SHALL BE LAPPED AT LEAST 6".
   D. NONREINFORCED PARAPET WALLS SHALL BE NOT LESS THAN 8" IN THICKNESS AND THEIR HEIGHT SHALL NOT EXCEED THREE TIMES THEIR THICKNESS.

6. HORIZONTAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH CORNERS, INTERSECTION, AND PILASTERS IN BRICK AND C.M.U.

7. BONDING OF MASONRY UNITS SHALL BE CONTINUED THROUGH CORNERS, INTERSECTIONS, AND PILASTERS IN BRICK AND C.M.U.

8. VERTICAL REINFORCEMENT CONSISTING OF 1#4 MINIMUM SHALL BE PROVIDED AT BOTH SIDES OF ALL OPENINGS FULL HEIGHT OF WALL.

9. IN ADDITION TO REINFORCEMENT SHOWN ON PLAN, DETAILS, AND S-400 SERIES, PROVIDE MINIMUM 1#4 VERTICAL REINFORCEMENT FROM FLOOR TO FLOOR AT:

   A. EACH CORNER OF WALL.
   B. ALL ENDS OF WALLS.
   C. NEXT TO EXPANSION JOINTS

10. 1#4 CONTINUOUS REINFORCEMENT SHALL BE PLACED AT TOP AND BOTTOM OF ALL WALL OPENINGS AND SHALL EXTEND 24" MINIMUM OR 40 BAR DIAMETERS PAST EACH SIDE OF THE OPENINGS.

11. HORIZONTAL REINFORCEMENT SHALL BE PLACED CONTINUOUSLY AT THE TOP OF ALL C.M.U. WALLS AT EACH FLOOR, ROOF AND PARAPET WALL, 1#5 HORIZ AT 10" CMU; 2#5 HORIZ AT 12" CMU.

12. ALL GROUTING SHALL FOLLOW THE REQUIREMENTS OF ACI-530.1 ARTICLE 3.5. FOR "LOW LIFT" GROUTING, WALLS SHALL BE LAID UP AND GROUTED AT MAXIMUM INTERVAL HEIGHTS OF 5'-0". PLACE REINFORCEMENT BARS AND EXTEND THEM A SPLICE LENGTH ABOVE LIFT. LEVEL OF GROUT TO BE KEPT 1 1/2" FROM TOP OF MASONRY FORMING A GROUT KEY. "HIGH LIFT" GROUTING SHALL FOLLOW ALL REQUIREMENTS STATED IN ACI-530.1 ARTICLE 3.5D. CLEANOUT HOLES FOR INSPECTION ARE REQUIRED AT THE BASE OF THE WALL FOR ALL POURS OVER 5'-0". ALL GROUT SHALL BE CONSOLIDATED IN ACCORDANCE WITH ARTICLE 3.5E.

13. OPENINGS FOR ROUND DUCTS, PIPING AND ELECTRICAL CONDUIT BETWEEN 4 AND 12 INCHES IN DIAMETER SHALL BE SLEEVED WITH SCHEDULE 40 STEEL PIPE. NO OPENING SHALL BE IN PLACED REINFORCED GROUTED CELLS.

14. GROUT SOLID TOP TWO COURSES OF C.M.U DIRECTLY UNDER BEARING POINTS.

15. HORIZONTAL AND VERTICAL CONTROL AND EXPANSION JOINTS IN FACE BRICK SHALL BE LOCATED AS PER ARCHITECTURAL DRAWINGS.

16. EXPOSED STEEL, STEEL LINTELS OR STEEL WITHIN 4" OF WEATHERING FACE OF MASONRY SHALL BE GALVANIZED.

17. ALL LINTELS SHALL BEAR 8" AT EACH JAMB. FULL CONTACT BETWEEN LINTEL AND SUPPORTING MASONRY SHALL BE PROVIDED.

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
   A. WIDE FLANGE AND TEE SHAPES - ASTM A992 GRADE 50
   B. CHANNELS, S SHAPES, ANGLES, PLATES AND BARS - ASTM A36
   C. STEEL PIPE - ASTM A53 GRADE B
   D. ROUND, SQUARE & RECTANGULAR HSS SHAPES - ASTM A500 GRADE B

2. SHOP CONNECTIONS SHALL BE WELDED OR BOLTED. FIELD CONNECTIONS SHALL BE BOLTED UNLESS SPECIFICALLY SHOWN OTHERWISE ON STRUCTURAL DRAWINGS.

3. ALL BOLTING SHALL CONFORM TO THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS", LATEST EDITION.

4. BOLTED CONNECTIONS SHALL UTILIZE ASTM A325 OR A490 BOLTS. ALL BOLTS SHALL BE 3/4 INCH DIAMETER MINIMUM. BOLTED SIMPLE SHEAR CONNECTIONS SHALL UTILIZE HIGH STRENGTH BOLTS IN BEARING TYPE CONNECTIONS AND SHALL BE INSTALLED "SNUG TIGHT". BOLTED MOMENT CONNECTIONS, SPLICE CONNECTIONS AND BRACING CONNECTIONS SHALL BE PRETENSIONED JOINTS WITH FULLY PRETENSIONED HIGH-STRENGTH BOLTS IN BEARING. CONNECTIONS WITH OVERSIZE HOLES OR SLOTTED HOLES IN WHICH THE LOAD IS NOT APPLIED NORMAL TO THE LONG DIMENSION OF THE SLOT REQUIRE SLIP CRITICAL BOLTS.

5. ALL WELDING ELECTRODES SHALL BE LOW HYDROGEN, AS REQUIRED BY AWS "STRUCTURAL WELDING CODE" AND "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION" TO SATISFY BASE-TO-FILLER METAL COMBINATION CRITERIA. ALL FILLER METAL SHALL HAVE A MINIMUM CVN TOUGHNESS OF 20 FT. LBS. AT MINUS 20 DEGREES F.

6. ALL WELDING SHALL BE DONE BY QUALIFIED WELDERS AND SHALL CONFORM TO THE AWS "CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION", LATEST EDITION. WELDER CERTIFICATES SHALL BE SUBMITTED TO GACE BEFORE COMMENCEMENT OF WORK.

7. MINIMUM SIZE OF FILLET WELDS SHALL BE 1/4" MIN. FOR FIELD WELDS AND AS REQUIRED PER AISC SPECIFICATION RELATIVE TO BASE METAL THICKNESS FOR SHOP WELDS.

8. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO AISC "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS" AND AISC "CODE OF STANDARD PRACTICE", LATEST EDITIONS.

9. CONNECTIONS OF ALL BEAMS AND GIRDERS SHALL BE DESIGNED FOR REACTIONS INDICATED ON STRUCTURAL DRAWINGS. ALL OTHER CONNECTIONS SHALL BE DESIGNED FOR THE FULL CAPACITY OF THE MEMBERS.

10. KNIFE CONNECTIONS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY REQUESTED BY A CONTRACTOR AND APPROVED BY STRUCTURAL ENGINEER PRIOR TO SHOP DRAWING APPROVAL. CONTRACTOR'S BIDS SHALL BE SUBMITTED BASED ON THE KNIFE CONNECTIONS NOT ALLOWED. SPECIFIC KNIFE CONNECTION DETAILS SHALL BE SUBMITTED FOR APPROVAL AT THE TIME WHEN TYPICAL DETAILS AND ERECTION PLANS ARE SUBMITTED. THE DETAILS SHALL BE ACCOMPANIED BY CALCULATIONS SIGNED AND SEALED BY PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE PROJECT IS TO BE BUILT. CALCULATIONS SHALL DEMONSTRATE THAT THE WELDS ARE NOT OVERSTRESSED DUE TO SECONDARY STRESSES DUE TO BOLT TIGHTENING, PRYING ACTION, ETC.

11. INSPECTION AND TESTING OF WELDS AND BOLTS SHALL BE AS FOLLOWS:

   A. A TESTING AGENCY ACCEPTABLE TO THE ENGINEER OF RECORD SHALL BE EMPLOYED BY THE OWNER TO PERFORM ALL SHOP AND FIELD INSPECTIONS AND TESTING OUTLINED BELOW.
   B. ALL WORK SHALL BE SCHEDULED BY THE CONTRACTOR TO ALLOW THE BELOW SHOP AND FIELD TESTING TO BE COMPLETED:
   C. ALL WELDS SHALL BE VISUALLY INSPECTED. FIFTEEN (15) PERCENT OF RANDOMLY SELECTED FILLET, PLUG AND SLOT WELDS SHALL BE MEASURED.
   D. FIFTEEN (15) PERCENT OF RANDOMLY SELECTED FILLET WELDS IN BEAM AND GIRDER SHEAR CONNECTION PLATES, ANGLES, ETC. SHALL BE CHECKED BY MAGNETIC PARTICLE METHOD. ONLY THE FINAL PASS SHALL BE CHECKED.
   E. ULTRASONICALLY TEST 100 PERCENT OF ALL FULL AND PARTIAL PENETRATION WELDS. WELD PREPARATION OF 100 PERCENT OF WELDS SHALL BE INSPECTED.
   F. ALL BOLTS SHALL BE VISUALLY INSPECTED.
   G. ALL SLIP CRITICAL BOLTS SHALL BE CHECKED FOR PROPER TENSIONING USING THE "DIRECT TENSION INDICATOR" METHOD. MEASURE WITH FEELER GAGES AT LEAST 15% OF BOLTS IN EACH CONNECTION, BUT NOT LESS THAN TWO BOLTS PER CONNECTION.
   H. A MINIMUM OF 15 PERCENT OF BOLTS, BUT NOT LESS THAN TWO BOLTS IN EACH BEARING TYPE CONNECTION SHALL BE CHECKED FOR PROPER TENSIONING USING THE CALIBRATED TORQUE WRENCH METHOD.
   I. IN CASE MULTIPLE DEFECTS HAVE BEEN DETECTED, THE ABOVE EXTENT OF INSPECTION SHALL BE INCREASED AT DISCRETION OF STRUCTURAL ENGINEER OF RECORD.

12. SUBMITTALS

   A. SEE "SUBMITTALS NOTES" SECTION FOR GENERAL REQUIREMENTS.
   B. THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT, FOR REVIEW, ENGINEERED SHOP AND ERECTION DRAWINGS SHOWING SHOP FABRICATION DETAILS FOR EACH PIECE OF STEEL, FIELD ASSEMBLY DETAILS AND ERECTION DIAGRAMS FOR ALL STEEL.
   C. PIECE DETAIL SHALL NOT BE SUBMITTED PRIOR TO APPROVAL OF ERECTION DRAWINGS AND RELATED CONNECTION DETAILS, DIAGRAMS, SCHEDULES, ETC.
   D. IN ADDITION TO BASIC INFORMATION GIVEN ON STRUCTURAL DRAWINGS, ERECTION DRAWINGS SHALL INCLUDE THE ERECTION MARK, LOCATION, SIZE AND GRADE OF EACH INDIVIDUAL PIECE OF STEEL, REINFORCING OF BEAM PENETRATIONS, THE ELEVATION OF TOP OF BEAM, THE ELEVATION OF WORK POINT AT BOTH ENDS OF SLOPED BEAMS AND CAMBER FOR EACH PIECE.
   E. ROLLED SHAPES, TUBES, PLATES AND OTHER COMPONENTS SHALL BE INDENTIFIED BY USING THE STANDARD DESIGNATIONS USED IN AISC DETAILING FOR STEEL CONSTRUCTION. THE STRUCTURAL DRAWINGS MAY BE USED FOR THI PURPOSE TO THE EXTENT DESIRED BY THE CONTRACTOR.
   F. EACH FIELD CONNECTION SHALL BE SHOWN COMPLETE WITH DATA AND DETAILS NECESSARY FOR ASSEMBLING THE STEEL.
   G. THE FOLLOWING INFORMATION SHALL BE CLEARLY INDICATED ON ALL SHOP DRAWINGS: THE GRADE, SIZE AND NUMBER OF BOLTS, THE TYPE, NUMBER, POSITION, DESIGNATION AND ORIENTATION OF EACH WASHER, THE BOLT TENSION INDICATING SYSTEM AND THE SIZE OF EACH HOLE, WHETHER SLOTTED OR ROUND. CONNECTION DETAILS SHALL BE PROPORTIONED TO ENSURE ADEQUATE WRENCH CLEARANCE FOR CORRECT BOLT TENSIONING PROCEDURES.
   H. DETAILS SHALL BE PREPARED IN ACCORDANCE WITH AND TO ACCOMMODATE CONTRACTOR'S FIELD MEASUREMENTS OF SUPPORTING AND ADJOINING CONSTRUCTION.
   I. WELDS AND NONDESTRUCTIVE TESTS SHALL BE INDICATED BY USING THE SYMBOLS CONFORMING TO AWS A2.4, STANDARD SYMBOLS FOR WELDING, BRAZING AND NONDESTRUCTIVE EXAMINATION. WHERE NECESSARY FOR CLARITY, JOINT DESIGNATION, WELDING PROCESS OR OTHER DATA SHALL BE INDICATED IN THE TAIL OF THE WELDING SYMBOL.
   J. REVIEW OF SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING:
      - MEMBER SIZE, GRADE, SPACING AND ELEVATION.
      - STRUCTURAL INTEGRITY OF CONNECTIONS.
      - PENETRATIONS, INCLUDING SIZE AND LOCATION.
   K. WHERE DIRECTED, SUBMIT CERTIFIED COPIES OF MILL TEST REPORTS FOR ALL STEEL FURNISHED. COMPLY WITH ALL APPLICABLE PARTS OF ASTM SPECIFICATIONS. BEYOND ORDERING INFORMATION NORMALLY PROVIDED BY CONTRACTOR, THE MILL SHALL BE INSTRUCTED TO COLOR-CODE IN ACCORDANCE WITH ASTM A6 AND TO MARK WITH HEAT NUMBER, SIZE AND TYPE AND GRADE OF STEEL.
   L. MILL TEST REPORTS SHALL STATE CLEARLY THE GOVERNING ASTM SPECIFICATION AND SHALL BE CERTIFIED AND NOTARIZED BY CONTRACTOR AS CONFORMING IN ALL RESPECTS TO THAT SPECIFICATION.
   M. MATERIAL PROVIDED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS MAY BE USED IN THE WORK WITHOUT FURTHER LOCAL TEST. IN THE CASE OF CONTROVERSY, CONTRACTOR SHALL PERFORM TENSION, BEND AND SUCH OTHER TESTS AS ARE REQUIRED TO DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
   N. WHERE DIRECTED, SUBMIT MANUFACTURER'S CERTIFICATION OF BOLTS, NUTS, WASHERS, DTI'S, ETC. FOR EACH GRADE OF EACH TYPE AND OF EACH SIZE OF FASTENER COMPONENT AND WELDING FILLER MATERIAL.
   O. FURNISH TEMPLATES AND LAYOUT DRAWINGS FOR EXACT LOCATIONS OF ITEMS TO BE EMBEDDED IN CONCRETE, WITH SETTING INSTRUCTIONS REQUIRED FOR INSTALLATION OF EMBEDDED ITEMS.
   P. SUBMIT FOR ACCEPTANCE THE NAMES OF THE FOLLOWING PRODUCTS AND/OR PRODUCERS ALONG WITH CERTIFICATION THAT THE PRODUCTS CONFORM IN ALL RESPECTS TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS:
      - PLATES AND SHAPES
      - BOLTS, NUTS AND WASHERS
      - SHOP AND FIELD PAINT
      - COATING OF MILLED SURFACE
      - WELDING MATERIALS
      - STUD SHEAR CONNECTORS
      - SHIELDING GAS
   Q. SPECIAL ATTENTION SHALL BE DIRECTED TO THE POSSIBLE NEED FOR INSTALLATION OF GUY CABLES, BRACING OR SHORING TO PREVENT DEFORMATION OF EXISTING OR NEW STRUCTURE DUE TO STRESSES CAUSED BY ERECTION ACTIVITIES AND EQUIPMENT, BY CONSTRUCTION LOADINGS AND BY OTHER FORCES.
   R. TEMPORARY MEMBERS AND CONNECTIONS WHICH MAY BE REQUIRED FOR TEMPORARY CONSTRUCTION, ERECTION AND SIMILAR WORK SHALL BE DEPICTED AND IDENTIFIED. HOWEVER, THEY SHALL NOT BE SUBJECT TO ENGINEER'S REVIEW.
   S. TEMPORARY, SHIPPING, HANDLING, ERECTION OR SIMILAR LOADS SHALL NOT BE CONSIDERED IN THE ENGINEER'S REVIEW OF SHOP DRAWINGS.
   T. ALL STEEL THAT IS NOT PROPERLY IDENTIFIED OR WHOSE SOURCE IS SUBJECT TO QUESTION SHALL BE REJECTED AND RETURNED WITHOUT REVIEW.
   U. UPON COMPLETION OF WORK SUBMIT AN AFFIDAVIT ATTESTING THAT ALL MATERIALS AND PRODUCTS PROVIDED FOR THE WORK CONFORM TO THE APPLICABLE SPECIFICATIONS, STANDARDS, YIELD POINTS, GRADE, ETC. REQUIRED BY CONTRACT DOCUMENTS.

13. ALL CONNECTIONS SHALL BE DESIGNED AND DETAILED BY A PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF NEW YORK, HIRED BY THE CONTRACTOR. IF REQUESTED BY THE ENGINEER OF RECORD, CALCULATIONS SHALL BE SUBMITTED FOR THE ENGINEER OF RECORD'S REFERENCE. ALL REFERENCE CALCULATIONS SHALL BE SIGNED AND SEALED BY THE CONTRACTOR'S ENGINEER.

14. DETAILING SHALL BE PERFORMED USING APPROPRIATE ENGINEERING DESIGN PRINCIPLES AND ACCEPTED INDUSTRY STANDARDS, IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. DETAILER SHALL BE AWARE THAT THE DETAILS AND SECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE CONCEPTUAL ONLY AND DO NOT INDICATE THE NUMBER OF BOLTS, WELD SIZES, AND OTHER INFORMATION REQUIRED TO BE SHOWN ON THE SHOP DRAWINGS, UNLESS SPECIFICALLY NOTED.

15. ALL STAIR AND OTHER MISCELLANEOUS STEEL STRUCTURES SHALL BE DESIGNED AND DETAILED BY AN ENGINEER EMPLOYED BY THE CONTRACTOR. DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEW YORK AND SHALL BE SUBMITTED FOR REVIEW BY STRUCTURAL ENGINEER OF RECORD. CALCULATIONS SHALL BE SUBMITTED FOR REFERENCE.

16. EXISTING STRUCTURAL STEEL SHALL BE REMOVED ONLY WITH ARCHITECT'S (OR HIS REPRESENTATIVE) APPROVAL. NO FIELD CUTTING OF STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES OR FOR ANY OTHER REASON SHALL BE PERMITTED UNLESS APPROVED BY THE ARCHITECT OR BY THE ARCHITECT'S REPRESENTATIVE.

17. NO STRUCTURAL STEEL TO RECEIVE FIREPROOFING SHALL BE PAINTED. ALL STEEL SHALL BE CLEANED IN THE FIELD OF ALL RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS PRIOR TO THE APPLICATION OF FIREPROOFING.

18. ALL STEEL EXPOSED TO WEATHER SHALL BE HOT-DIPPED GALVANIZED. THIS INCLUDES ALL STEEL LINTELS, RELIEVING ANGLES, HANGERS, ETC. DAMAGED / CUT / WELDED GALVANIZATION SHALL BE TOUCHED UP / REPAIRED IN ACCORDANCE WITH ASTM A780 'STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS'.

19. ALL BEAMS SHALL BE FABRICATED AND ERECTED WITH NATURAL CAMBER UP.

20. SHEAR STUDS SHALL BE HEADED SHEAR CONNECTORS AS MANUFACTURED AND INSTALLED BY NELSON STUD WELDING. SHEAR STUD INSTALLATION SHALL BE INSPECTED BY AN APPROVED TESTING AGENCY IN OWNER'S DIRECT EMPLOY. THREE (3) BEND TESTS SHALL BE PERFORMED AT THE BEGINNING OF CONSTRUCTION. AFTERWARDS, 20 PERCENT (MINIMUM) OF SHEAR STUDS SHALL BE INSPECTED BY "RING TEST" AND MEASURED. ALL STUD WELDING SHALL BE INSPECTED VISUALLY.

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 12" = 1'-0"
SHEET NAME: GENERAL NOTES 1
SHEET NUMBER: S-001

BID SET

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GENERAL NOTES CONTINUED:

POST INSTALLED ANCHORS

1. ANCHOR CAPACITY SHALL BE BASED ON THE TECHNICAL DATA PUBLISHED BY THE ANCHOR MANUFACTURER OR OTHER METHOD AS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD ("ENGINEER").

2. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS SHALL BE EVALUATED BY THEIR HAVING AN INTERNATIONAL CODE COUNCIL EVALUATION SERVICE REPORT (ICC ESR) SHOWING COMPLIANCE WITH THE RELEVANT BUILDING CODE FOR SEISMIC USES, LOAD RESISTANCE, INSTALLATION CATEGORY, AND AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION SHALL CONSIDER EFFECTS OF CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.

3. ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER INSTRUCTIONS INCLUDED IN THE ANCHOR PACKAGING.

4. OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI PROFI SYSTEM OR OTHER MANUFACTURER'S EQUAL OR BETTER SYSTEM, IF APPROVED BY THE ENGINEER IN ADVANCE.

5. THE CONTRACTOR SHALL ARRANGE ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE ENGINEER MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF THEIR INSTALLATION.

6. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO THE EDGE OF CONCRETE. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH SPACING AND EDGE DISTANCES INDICATED ON THE STRUCTURAL DRAWINGS.

7. REINFORCING BARS OR OTHER ELEMENTS EMBEDDED IN THE EXISTING CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS, ETC. CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE EMBEDDED BARS, ETC. BY GROUND PENETRATING RADAR (GPR), X-RAY, CHIPPING OR OTHER MEANS.

8. CONTINUOUS OR PERIODIC SPECIAL INSPECTIONS FOR POST INSTALLED ANCHORS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 4.4 OF THE INDIVIDUAL INTERNATIONAL CODE COUNCIL- EVALUATION SERVICE (ICC- ES) REPORT FOR THE INDIVIDUAL ANCHOR. THE CONTRACTOR SHALL GIVE THE SPECIAL INSPECTOR SUFFICIENT ADVANCE NOTICE TO ALLOW ENOUGH TIME FOR PROPER INSPECTION OF HOLE PREPARATION, ANCHOR INSTALLATION, TIGHTENING, ETC. ANCHORS INSTALLED WITHOUT INSPECTION AT ALL THESE PHASES SHALL BE REJECTED AND WILL HAVE TO BE REPLACED AT CONTRACTOR'S EXPENSE.

STEEL PAINTING NOTES - EXPOSED STEEL:

1. CLEAN STEEL IN ACCORDANCE WITH SSPC-SP6 COMMERCIAL BLAST CLEANING AND COAT WITH TNEMEC OMNITHANE 930 PRIME TO 2 - 3 MILS DRY FILM THICKNESS (DFT), OR APPROVED EQUAL, WITHIN 4 HOURS OF CLEANING. AFTER ERECTION AND TOUCH UP APPLY A FULL COAT OF TNEMEC N69F HI-BUILD EPOXOLINE II TO 3 - 5 MILS DFT FOR TEMPERATURES DURING APPLICATION / CURING BELOW 50 DEG. F DOWN TO 35 DEG. F, AND TNEMEC SERIES 135 CHEMBUILD TO 5 - 6 MILS DFT FOR TEMPERATURES DURING APPLICATION / CURING ABOVE 50 DEGREE F.

STEEL JOIST NOTES:

1. STEEL JOISTS AND BRIDGING SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS OF THE STEEL JOIST INSTITUTE, LATEST EDITION.

2. ADDITIONAL JOIST SHALL BE PROVIDED UNDER PARALLEL PARTITIONS WHEN THE PARTITION LENGTH EXCEEDS ONE-HALF THE JOIST SPAN AND AROUND ALL FLOOR AND ROOF OPENINGS WHICH INTERRUPT ONE OR MORE SPANNING MEMBERS.

3. STEEL JOISTS SHALL BE WELDED TO STRUCTURAL SUPPORTS.

4. UNIFORM AND LEVEL JOIST BEARING SHALL BE PROVIDED AT BEARING WALLS BY MEANS OF SHIMS AND/OR NON-SHRINK GROUT.

METAL DECK NOTES:

1. METAL DECK SHALL CONFORM TO AISI "SPECIFICATION FOR THE DESIGN OF LIGHT GAUGE COLD FORMED STEEL STRUCTURAL MEMBERS" AND TO THE STEEL DECK INSTITUTE SPECIFICATIONS AND RECOMMENDATIONS.

2. ALL METAL DECK SHALL BE COMPOSITE TYPE. STEEL SHALL CONFORM TO ASTM A653, GRADE 40. ALL MATERIAL SHALL BE HOT-DIPPED, GALVANIZED.

3. THE CONTRACTOR SHALL SUBMIT FOR ARCHITECT'S APPROVAL SHOP DRAWINGS INDICATING LOCATION, GAUGE AND SIZE OF EACH PIECE OF METAL DECK. THE DRAWINGS SHALL SHOW DETAILS OF WELDING TO STRUCTURAL STEEL AND SIDE LAP CONNECTION DETAILS. DETAILS RELATED TO SUPPORT OF THE DECK ON WALLS, BEAMS, ETC. SHALL BE INCLUDED.

4. METAL DECK SHALL BE PUDDLE WELDED TO THE STRUCTURAL STEEL SUPPORTS AT 12 INCHES ON CENTER (MAXIMUM). SIDE LAPS OR ADJOINING PANELS SHALL BE PUNCHED TOGETHER OR WELDED EVERY 24 INCHES ON CENTER (MAXIMUM).

5. ALL PUDDLE WELDS SHALL BE 3/4 INCH DIAMETER. ALL METAL DECK SHALL BE WELDED TO STRUCTURAL STEEL BY QUALIFIED WELDERS, USING PRE QUALIFIED PROCEDURES. THE ERECTOR SHALL ESTABLISH A WELDING PROCEDURE FOR PUDDLE WELDING PRIOR TO THE START OF ERECTION OF THE STEEL DECK. EACH WELDER SHALL BE QUALIFIED USING THIS PROCEDURE AS MONITORED BY THE QUALIFIED TESTING LABORATORY, IN OWNER'S DIRECT EMPLOY.

6. PROVIDE CONTINUOUS SHEET METAL CLOSURES AT ALL SLAB EDGES. PROVIDE SHEET METAL CLOSURES AT COLUMNS, CANT STRIPS, SUMP PANS, ROOF DRAINS, PIPE PENETRATIONS, ETC. CLOSURE THICKNESS SHALL BE 18 GAUGE (MINIMUM). THE APPROPRIATE GAGE SHALL BE DESIGNED BY A STRUCTURAL ENGINEER IN METAL DECK CONTRACTOR'S EMPLOY. THE GAGE SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR ARCHITECT'S APPROVAL.

7. PROVIDE SUPPLEMENTAL FRAMING AT OPENINGS, MOMENT CONNECTIONS ETC. AS REQUIRED FOR SUPPORT OF THE METAL DECK.

8. METAL DECK SHALL BE CAPABLE OF SUPPORTING THE WET CONCRETE AND OTHER CONSTRUCTION LOADS WITHOUT SHORING.

9. ALL WELDS CONNECTING METAL DECK TO SUPPORTING STEEL SHALL BE VISUALLY INSPECTED BY A QUALIFIED TESTING AGENCY IN OWNER'S DIRECT EMPLOY.

SPECIAL INSPECTION NOTES:

1. THE FOLLOWING SPECIAL INSPECTION ITEMS RELATED TO STRUCTURAL WORK SHOWN ON GACE DRAWINGS ARE REQUIRED BY NEW YORK STATE BUILDING CODE:

A. STRUCTURAL STEEL (1705.2.1)
B. COLD-FORMED STEEL DECK (1705.2.2)
C. OPEN-WEB STEEL JOISTS (1705.2.3)
D. CONCRETE CONSTRUCTION (1705.3)
E. MASONRY CONSTRUCTION (1705.4)
F. SOILS – BY GEOTECHNICAL ENGINEER (1705.6)
G. FABRICATED ITEMS (1705.10 IN ACCORDANCE WITH 1704.2.5)

THE CONTRACTOR IS OBLIGATED TO NOTIFY THE INSPECTOR AT LEAST 72 HOURS BEFORE INSTALLATION OF SUCH ITEMS SO THAT PROPER INSPECTION CAN BE MADE. IN NO CASE SHALL SUCH ITEMS BE INSTALLED OR CONSTRUCTED WITHOUT COMPLETE APPROVAL OF THE INSPECTOR. UNAPPROVED INSTALLATION IS SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S SOLE EXPENSE.

ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BASED ON APPROVED SHOP DRAWINGS. INSPECTIONS PERFORMED BASED ON UNAPPROVED DRAWINGS SHALL BE CONSIDERED INVALID AND SHALL BE REJECTED.

BIDDER'S WARRANTY:

BY THE ACT OF SUBMITTING A BID FOR THE PROPOSED CONTRACT, THE BIDDER WARRANTS THAT:

1. THE BIDDER AND ALL SUBCONTRACTORS HE INTENDS TO USE HAVE CAREFULLY AND THOROUGHLY REVIEWED THE DRAWINGS, SPECIFICATIONS AND OTHER CONSTRUCTION CONTRACT DOCUMENTS AND HAVE FOUND THEM COMPLETE AND FREE FROM AMBIGUITIES AND SUFFICIENT FOR THE CONTRACTOR TO BID, FABRICATE, AND INSTALL THE WORK ON TIME, FURTHER THAT,

2. THE BIDDER AND ALL WORKMEN, EMPLOYEES AND SUBCONTRACTORS HE INTENDS TO USE ARE SKILLED AND EXPERIENCED IN THE TYPE OF CONSTRUCTION REPRESENTED BY THE CONSTRUCTION CONTRACT DOCUMENTS BID UPON; FURTHER THAT,

3. NEITHER THE BIDDER NOR ANY OF HIS EMPLOYEES, AGENTS INTENDED SUPPLIERS OR SUBCONTRACTORS HAVE RELIED UPON ANY VERBAL REPRESENTATIONS, ALLEGEDLY AUTHORIZED OR UNAUTHORIZED FROM THE OWNER, HIS EMPLOYEES OR AGENTS INCLUDING ARCHITECTS, ENGINEERS OR CONSULTANTS, IN ASSEMBLING THE BID FIGURE; AND FURTHER THAT,THE BID FIGURE IS BASED SOLELY UPON THE CONSTRUCTION CONTRACT DOCUMENTS AND PROPERLY ISSUED WRITTEN ADDENDA AND NOT UPON ANY OTHER WRITTEN REPRESENTATION.

4. THE BIDDER ALSO WARRANTS THAT HE HAS CAREFULLY EXAMINED THE SITE OF THE WORK AND THAT FROM HIS OWN INVESTIGATIONS HE HAS SATISFIED HIMSELF AS TO THE NATURE AND LOCATION OF THE WORK AND THE CHARACTER, QUALITY, QUANTITIES OF MATERIALS AND DIFFICULTIES TO BE ENCOUNTERED, THE KIND AND EXTENT OF EQUIPMENT AND OTHER FACILITIES NEEDED FOR THE PERFORMANCE OF THE WORK, THE GENERAL AND LOCAL CONDITIONS, AND OTHER ITEMS WHICH MAY, IN ANY WAY, AFFECT THE WORK OR ITS PERFORMANCE.

SHORING NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SUPPORT AND ADEQUATE PROTECTION FOR THE STABILITY AND INTEGRITY OF THE STRUCTURE (OR PORTIONS THEREOF) DURING THE ENTIRE CONSTRUCTION PERIOD AND TO MAINTAIN IT AT LEVELS ACCEPTABLE WITHIN THE CONSTRUCTION INDUSTRY BY THE USE OF ALL MEANS AVAILABLE, INCLUDING BUT NOT LIMITED TO TEMPORARY BRACING AND SHORING (SHORING SYSTEM). IN NO CASE SHALL THE STRUCTURE BE ALLOWED TO BECOME UNSTABLE AND/OR UNSAFE, AS DEFINED BY LOCAL GOVERNMENTAL AGENCIES.

2. THE SHORING SYSTEM SHALL BE DESIGNED TO SUPPORT ALL APPLICABLE LOADS THAT MAY BE IMPOSED ON THE STRUCTURE DURING CONSTRUCTION IN ACCORDANCE WITH INDUSTRY STANDARDS AND GENERALLY ACCEPTED ENGINEERING PRINCIPLES.

3. THE SHORING SYSTEM, INCLUDING ALL DETAILS AND SEQUENCING, SHALL BE DESIGNED AND DETAILED BY A SPECIALTY STRUCTURAL ENGINEER (SSE) LICENSED AND REGISTERED IN THE STATE OF NEW YORK. THE SSE SHALL SIGN AND SEAL ITS DRAWINGS ILLUSTRATING THE SHORING SYSTEM AND SEQUENCING, WHICH MAY NEED TO BE FILED AND APPROVED BY ALL APPLICABLE GOVERNMENTAL AUTHORITIES.

4. REFERENCES TO SHORING IN THE STRUCTURAL DRAWINGS BY GACE ARE SOLELY FOR THE PURPOSE OF COORDINATION WITH GACES DESIGN. THE SHORING ENGINEER SHALL SUBMIT SHORING AND BRACING DRAWINGS TO THE ARCHITECT FOR REVIEW OF EFFECT ON THE PERMANENT STRUCTURAL ELEMENTS THAT ARE DESIGNED BY THIS OFFICE. GACE IS NOT RESPONSIBLE FOR THE DESIGN, DETAILING, REVIEW, INSPECTION, OR APPROVAL OF THE SHORING DESIGN OR PROPOSED SEQUENCING.

5. THE SHORING SYSTEM SHALL BE INSPECTED BY THE SSE WHO PREPARED THE DRAWINGS/SPECIFICATIONS AND SEQUENCING OR A THIRD-PARTY SPECIAL INSPECTOR. THE SSE OR SPECIAL INSPECTOR SHALL CERTIFY IN A WRITTEN STATEMENT THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE SIGNED AND SEALED DRAWINGS/SPECIFICATIONS.

SUBMITTAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING, PREPARING AND DELIVERING ALL SHOP DRAWINGS AND OTHER SUBMITTALS ("SUBMITTALS") REQUIRED BY THE CONTRACT DOCUMENTS IN A TIMELY MANNER. ALL MATERIAL SHALL BE DELIVERED GRADUALLY SO AS TO AVOID SUBMISSION OF LARGE NUMBER OF SUBMITTALS NOT ALLOWING THE ENGINEER TIMELY REVIEW.

2. THE STRUCTURAL ENGINEER OF RECORD ("EOR") SHALL REVIEW SUBMITTALS PERTINENT TO STRUCTURAL DESIGN (SHOP DRAWINGS AND OTHER PERTINENT DOCUMENTS SUCH AS MATERIAL, PRODUCT, ASSEMBLY INFORMATION, ETC.) SUBMITTED BY THE CONTRACTOR. THE ENGINEER SHALL COMMENT ON THE SUBMITTALS AND APPROVE OR DISAPPROVE WITH COMMENTS, AS APPROPRIATE, FOR GENERAL CONFORMANCE WITH THE INFORMATION GIVEN AND THE DESIGN CONCEPT EXPRESSED IN THE CONTRACT DOCUMENTS. REVIEW OF SUCH SUBMITTALS SHALL NOT BE FOR THE PURPOSE OF DETERMINING THE ACCURACY AND COMPLETENESS OF OTHER INFORMATION SUCH AS DIMENSIONS, QUANTITIES, INSTALLATION OR PERFORMANCE OF EQUIPMENT OR SYSTEMS, ETC. WHICH SHALL BE THE CONTRACTOR'S RESPONSIBILITY. ENGINEER'S REVIEW SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS/HER RESPONSIBILITY TO ACCURATELY AND COMPLETELY INTERPRET THE CONTRACT DOCUMENTS.

3. IF REQUIRED BY SPECIFICATIONS, SHOP DRAWINGS AND OTHER DOCUMENTS SHALL BEAR THE SEAL AND SIGNATURE OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS TO BE CONSTRUCTED.

4. BEFORE SUBMITTING A SHOP DRAWING OR ANY OTHER DOCUMENT TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE EACH SUCH SUBMITTAL FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS. EVERY COPY OF EACH SUBMITTAL SHALL BEAR THE CONTRACTOR'S REVIEW STAMP SHOWING THAT THEY HAVE BEEN REVIEWED AND APPROVED. THE ENGINEER SHALL RETURN WITHOUT REVIEW MATERIAL WHICH HAS NOT BEEN APPROVED BY THE CONTRACTOR.

5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS OF CONSTRUCTION, SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO, INCLUDING REFLECTION OF EXISTING FIELD CONDITIONS. APPROVAL OF ANY SUBMITTAL BY THE ENGINEER SHALL NOT BE CONSTRUED AS ACCEPTANCE OF ANY OF THE FOREMENTIONED ASPECTS OF CONTRACTOR'S WORK.

6. THE ENGINEER SHALL ASSUME THAT NO SUBMITTED SHOP DRAWING OR OTHER DOCUMENT COMPRISES A VARIATION FROM THE CONTRACT UNLESS THE CONTRACTOR ADVISES THE ENGINEER OTHERWISE IN WRITING. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK RELATED TO SUCH VARIATION BEFORE RECEIPT OF ENGINEER'S WRITTEN ACCEPTANCE.

7. IN CASE RESUBMISSION OF SHOP DRAWINGS, CALCULATIONS AND OTHER WRITTEN SUBMITTALS INCLUDING ADDITIONS, DELETIONS OR CORRECTIONS THE CONTRACTOR SHALL CIRCLE OR OTHERWISE IDENTIFY ALL CHANGES FROM THE PRIOR ISSUE. ALL MATERIAL SUBMITTED WITHOUT EACH CHANGE CLEARLY IDENTIFIED SHALL BE RETURNED WITHOUT REVIEW FOR RESUBMISSION.

8. THE RETURNED SHOP DRAWINGS AND OTHER SUBMITTALS SHALL BE STAMPED BY THE ENGINEER. THE STAMP SHALL DENOTE REVIEW STATUS WHICH MAY OR MAY NOT REQUIRE FURTHER RESUBMISSION AS PER THE FOLLOWING:

STATUS:		RESUBMISSION:
A	NO EXCEPTION TAKEN	NOT REQUIRED
N	EXCEPTIONS NOTED	NOT REQUIRED
NR	EXCEPTIONS NOTED, REVISE & RESUBMIT	REQUIRED
RR	REJECTED	REQUIRED

9. CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS AND OTHER REVIEWED DOCUMENTS SHALL NOT RELIEVE THE CONTRACTOR FROM STRICT COMPLIANCE WITH THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS OR FROM HIS RESPONSIBILITY FOR ERRORS AND OMMISSIONS ON SUCH DRAWINGS AND/OR OTHER DOCUMENTS. DRAWINGS AND DOCUMENTS RETURNED WITH 'NO EXCEPTION TAKEN' OF A PARTICULAR ITEM SHALL NOT BE INTERPRETED AS 'NO EXCEPTION TAKEN' OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.

10. THE CONTRACTOR SHALL PERFORM NO PORTION OF THE WORK REQUIRING SUBMISSION AND REVIEW OF SHOP DRAWINGS OR OTHER MATERIAL UNTIL THE RESPECTIVE SUBMITTAL HAS BEEN APPROVED BY THE ENGINEER. SUCH WORK SHALL BE PERFORMED IN ACCORDANCE ONLY WITH THE SUBMITTALS MARKED "NO EXCEPTION TAKEN" OR "EXCEPTIONS NOTED". THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND BEAR ALL THE COSTS WHICH MAY RESULT FROM ORDERING OF ANY MATERIAL OR FROM PROCEEDING WITH ANY PART OF THE WORK PRIOR TO THE RECEIPT OF APPROVED RESPECTIVE SUBMITTALS.

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 12" = 1'-0"

SHEET NAME:
GENERAL NOTES 2

SHEET NUMBER:
S-002

BID SET

DRAWN BY: AJOV
CHECKED BY: JS/DW
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7/3/2025 11:58:13 AM

PROJECT NUMBER: C4040.00 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

ABBREVIATIONS

@	= AT	KSI	= KIP(S) PER SQUARE INCH
ADJ.	= ADJACENT	L.L.	= LIVE LOAD
ADD'L.	= ADDITIONAL	L.L.H.	= LONG LEG HORIZONTAL
ALT.	= ALTERNATE	L.L.V.	= LONG LEG VERTICAL
ARCH.	= ARCHITECTURAL	Ldc	= COMPRESSION DEVELOPMENT LENGTH
B, BOT.	= BOTTOM		
B.F.	= BRACED FRAME	Ldh	= HOOKED BAR TENSION DEVELOPMENT LENGTH
B.P.	= BASE PLATE, BEARING PLATE	Ldt	= TENSION DEVELOPMENT LENGTH
B.H.	= BULKHEAD		
BLDG.	= BUILDING	Lsc	= COMPRESSION SPLICE LENGTH
BM.	= BEAM	LSL.	= LONG SLOTTED
BRDG.	= BRIDGING	Lst	= TENSION SPLICE LENGTH
BRNG.	= BEARING	LB(S).	= POUND(S)
BSMT.	= BASEMENT	LG.	= LONG
℄ ,CL.	= CENTERLINE	LT.	= LIGHT
C.A.	= COLUMN ABOVE	M.C.	= MOMENT CONNECTION
C.B.	= COLUMN BELOW	M.D.	= METAL DECK
C.J.	= CONSTRUCTION JOINT, CONTROL JOINT	MAX.	= MAXIMUM
		MECH.	= MECHANICAL
CANT.	= CANTILEVER	MEZZ.	= MEZZANINE
CLR.	= CLEARANCE, CLEAR	MFR.	= MANUFACTURER
COL.	= COLUMN	MIN.	= MINIMUM
CONC.	= CONCRETE	MISC.	= MISCELLANEOUS
CONN.	= CONNECTION	MOM.	= MOMENT
CONST.	= CONSTRUCTION	N.I.C.	= NOT IN CONTRACT
CONT.	= CONTINUOUS	N.F.	= NEAR FACE
℄, DIA.	= DIAMETER	N.S.	= NON-SHRINK
D.L.	= DEAD LOAD	N.T.S.	= NOT TO SCALE
DET.	= DETAIL	NO.	= NUMBER
DIAG.	= DIAGONAL	N-S	= NORTH – SOUTH
DIM.	= DIMENSION	O.C.	= ON CENTER
DWG(S).	= DRAWING(S)	O.F.	= OUTSIDE FACE
DWL(S).	= DOWEL(S)	OPNG.	= OPENING
E.E.	= EACH END	P.C.	= PRECAST, PILE CAP
E.F.	= EACH FACE	PL, PL.	= PLATE
E.J.	= EXPANSION JOINT	PLF	= POUND(S) PER FOOT
E.M.R.	= ELEVATOR MACHINE ROOM	PSF	= POUND(S) PER SQUARE FOOT
E.S.	= EACH SIDE	PSI	= POUND(S) PER SQUARE INCH
E.W.	= EACH WAY	R	= RADIUS
EA.	= EACH	REF.	= REFERENCE
EL.	= ELEVATION	REINF.	= REINFORCEMENT
ELECT.	= ELECTRICAL	REQ'D	= REQUIRED
Em	= DEVELOPMENT LENGTH IN MASONRY	REV.	= REVISION, REVISED
		S.F.	= SQUARE FOOT
EMBED.	= EMBEDMENT	S.L.H.	= SHORT LEG HORIZONTAL
EQ.	= EQUAL	S.L.V.	= SHORT LEG VERTICAL
EXIST.	= EXISTING	S.O.G.	= SLAB ON GRADE
EXP.	= EXPANSION	SEC.	= SECTION
EXT.	= EXTERIOR	SL.	= SLAB, SLOPE
E-W	= EAST – WEST	Sm	= SPLICE LENGTH IN MASONRY
F.F.	= FAR FACE	SPEC(S).	= SPECIFICATION(S)
FDN.	= FOUNDATION	SQ.	= SQUARE
FIN.	= FINISHED	SSL.	= SHORT SLOTTED
FL./ FLR.	= FLOOR	STD.	= STANDARD
FT.	= FOOT	STL.	= STEEL
FTG.	= FOOTING	STRUCT	= STRUCTURAL
FT-K	= FOOT – KIP	T	= TOP
GA.	= GAUGE	T.O.S.	= TOP OF SLAB
GALV.	= GALVANIZED	TEMP.	= TEMPORARY
GEN.	= GENERAL	THK.	= THICKNESS, THICK
HORIZ.	= HORIZONTAL	TYP.	= TYPICAL
I.F.	= INSIDE FACE	U.O.N.	= UNLESS OTHERWISE NOTED
IN.	= INCH	VERT.	= VERTICAL
INT.	= INTERIOR	W.P.	= WATERPROOFING, WORK POINT
JT.	= JOINT		
K, KIP	= 1000 LBS	W.W.F.	= WELDED WIRE FABRIC
KLF	= KIP(S) PER FOOT	WF.	= WIDE FLANGE
KSF	= KIP(S) PER SQUARE FOOT	WD.	= WOOD
		WT.	= WEIGHT

BUILDING DESIGN INFORMATION SUMMARY
2020 BUILDING CODE OF NEW YORK STATE

NO.	TOPIC	CODE SECTION
1.	SNOW LOADING CRITERIA	GROUND SNOW LOAD, P_g = 30 psf
		FLAT-ROOF SNOW LOAD, P_f = 22 psf
		SNOW EXPOSURE FACTOR, C_s = 0.9
		SNOW IMPORTANCE FACTOR, I_s = 1.1
		THERMAL EXPOSURE FACTOR, C_t = 1.0
2.	SEISMIC LOADING CRITERIA	RISK CATEGORY = III
		SEISMIC IMPORTANCE FACTOR, Ie = 1.25
		Ss = 0.297 S1 = 0.062
		SITE CLASS = C
		SHORT PERIOD DESIGN SPECTRAL RESPONSE, SDS = 0.251 g
		ONE SECOND DESIGN SPECTRAL RESPONSE, SD1 = 0.062 g
		SEISMIC DESIGN CATEGORY = B
		BASIC SEISMIC FORCE RESISTING SYSTEM = NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
		DESIGN SEISMIC BASE SHEAR, V = 333 kips
		SEISMIC RESPONSE COEFFICIENT, Cs = 0.0651
		RESPONSE MODIFICATION FACTOR, R = 3
		ANALYSIS METHOD USED = EQUIVALENT LATERAL FORCE PROCEDURE
3.	WIND LOADING CRITERIA	ULTIMATE DESIGN WIND SPEED (3 SECOND GUST), Vult = 123 mph
		NOMINAL DESIGN WIND SPEED, Vasd = 95 mph
		RISK CATEGORY = III
		WIND EXPOSURE CATEGORY = B
		DESIGN WIND BASE SHEAR - E-W, V = 58 kips N-S, V = 150 kips
		INTERNAL PRESSURE COEFFICIENT GC_{pi} = +/- 0.18
		COMPONENTS & CLADDING DESIGN WIND PRESSURE (PER Vasd): ZONE 4 = + 18 psf / -20 psf ZONE 5 = + 18 psf / -24 psf
4.	HYDROSTATIC & FLOOD LOADING CRITERIA	DESIGN GROUND WATER ELEVATION = N/A
		FLOOD ZONE = N/A
		100 YEAR DESIGN FLOOD ELEVATION = N/A

NOTES:

1. DESIGN LOADS COMPLY WITH BC1604.

2. REFER TO ARCHITECTURAL DRAWINGS FOR EXTERIOR WALL. DESIGN OF NON-LOAD BEARING EXTERIOR WALLS AND ANCHORAGES TO COMPLY WITH LOADS SHOWN ABOVE, AND WITH BC1605 AND BC CHAPTER 14.

LAP SPLICE LENGTHS FOR CONCRETE 'Ls' (in.)

SIZE	f_y (ksi)	4000 psi			5000 psi		
		TENSION		COMP.	TENSION		COMP.
		TYP.	TOP		TYP.	TOP	
#3	60	18	24	12	17	22	12
#4	60	25	32	15	22	29	15
#5	60	31	40	19	28	36	19
#6	60	37	49	23	34	44	23
#7	60	54	70	27	49	63	27
#8	60	62	80	30	56	72	30
#9	60	70	91	34	63	81	34
#10	60	79	102	38	71	92	38
#11	60	87	114	43	78	102	43

HOOKED BAR TENSION DEVELOPMENT LENGTHS FOR CONCRETE 'Ldh' (in.)

SIZE	f_y (ksi)	4000 psi	5000 psi
#3	60	8	7
#4	60	10	9
#5	60	12	11
#6	60	15	13
#7	60	17	15
#8	60	19	17
#9	60	22	20
#10	60	25	22
#11	60	27	24

NOTES:

1. THESE DEVELOPMENT AND SPLICE LENGTHS ARE COMPUTED FOR UNCOATED BARS IN ELEMENTS OF NORMAL WEIGHT CONCRETE WITH A MINIMUM CLEAR COVER OF 1 BAR DIAMETER AND A MINIMUM CLEAR SPACING OF 1 BAR DIAMETER IN BEAMS AND COLUMNS, AND 2X THE BAR DIAMETER IN OTHER ELEMENTS.

2. THESE DEVELOPMENT AND SPLICE LENGTHS SHALL BE MULTIPLIED BY ALL OF THE APPLICABLE FACTORS THAT FOLLOW:

   EPOXY-COATED REINFORCING (FOR TYP. REINF.) x1.50
   EPOXY-COATED REINFORCING (FOR TOP REINF.) x1.31
   REINFORCING PLACED IN LIGHTWEIGHT CONCRETE x1.34
   #7 BARS AND LARGER WITH CLEAR COVER LESS THAN 1 BAR DIAMETER.....x1.50

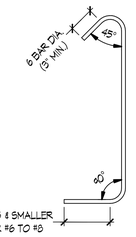
3. 'Ld' CAN BE USED AS ACI CLASS A SPLICE.
   'Ls' CAN BE USED AS ACI CLASS B SPLICE.

4. USE TOP CONDITION FOR ANY HORIZONTAL BARS WITH MORE THAN 12 INCHES OF FRESH CONCRETE BELOW.

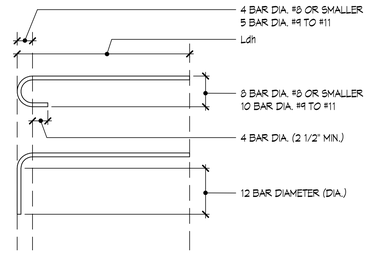
5. WHEN BARS OF DIFFERENT SIZE ARE SPLICED, SPLICE LENGTH SHALL BE THE LARGER OF THE DEVELOPMENT LENGTH OF LARGER BAR AND LAP SPLICE LENGTH OF SMALLER BAR.

STRAIGHT BAR DEVELOPMENT LENGTHS FOR CONCRETE 'Ld' (in.)

SIZE	f_y (ksi)	4000 psi			5000 psi		
		TENSION		COMP.	TENSION		COMP.
		TYP.	TOP		TYP.	TOP	
#3	60	15	19	8	13	17	8
#4	60	19	25	10	17	23	9
#5	60	24	31	12	22	29	12
#6	60	29	38	15	26	34	14
#7	60	42	54	17	38	49	16
#8	60	48	62	19	43	56	18
#9	60	54	70	22	48	63	21
#10	60	61	79	24	54	71	23
#11	60	67	87	27	60	78	25

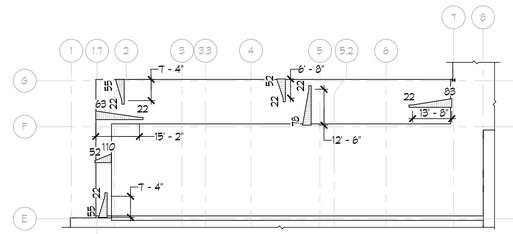


1 TYPICAL TIE HOOK (HAIR PIN)
3/4" = 1'-0"



2 TYPICAL STANDARD HOOK
3/4" = 1'-0"

NOTE: FOR DEVELOPMENT LENGTH Ldh SEE SCHEDULE.

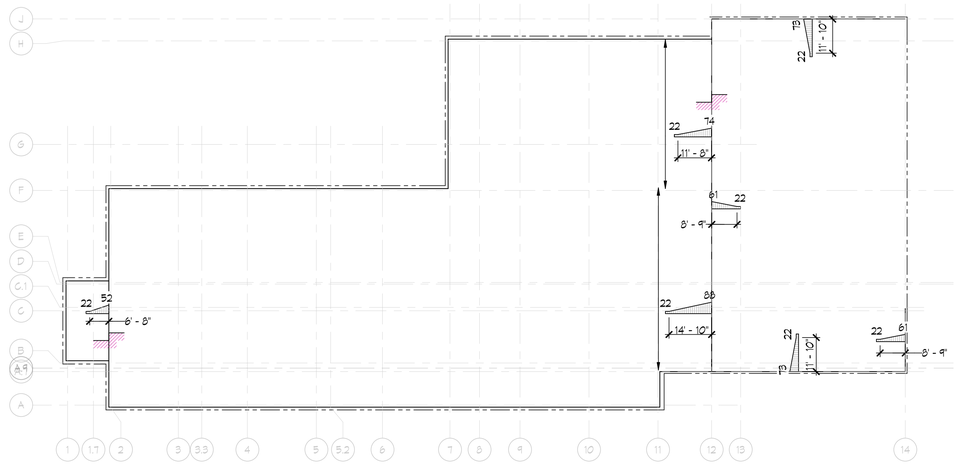


SNOW DRIFT LOADING PLAN AT 2ND FLOOR
3/64" = 1'-0"

NOTES:

1. ALL VALUES SHOWN IN POUNDS PER SQUARE FOOT (PSF).

2. SNOW DRIFT LOADS ARE SHOWN WITH 22 PSF UNIFORM SNOW LOADS ON THE REMAINDER OF THE ROOF.



SNOW DRIFT LOADING PLAN AT ROOF
3/64" = 1'-0"

NOTES:

1. ALL VALUES SHOWN IN POUNDS PER SQUARE FOOT (PSF).

2. SNOW DRIFT LOADS ARE SHOWN WITH 22 PSF UNIFORM SNOW LOADS ON THE REMAINDER OF THE ROOF.

LOADING SCHEDULE

LEVEL	OCCUPANCY	LIVE LOAD REDUCTION.	DEAD LOAD							LIVE LOAD	TOTAL
			SLAB/ DECK	STEEL	CLNG/ MEP	FIN.	PART.	RFG. & INSUL.	TOTAL		
FIRST FLOOR	CLASSROOM	N	63	-	-	5	15	-	83	40	123
	GYMNASIUM	N	63	-	-	5	-	-	68	100	168
	LOCKER ROOM	N	63	-	-	5	15	-	83	50	133
	KITCHEN	N	63	-	-	5	-	-	68	100	168
	DINING ROOM	N	63	-	-	5	-	-	68	100	168
	CORRIDORS	N	63	-	-	5	-	-	68	100	168
	OFFICE	N	63	-	-	5	15	-	83	50	133
	MECHANICAL	N	63	-	-	5	15	-	83	75	158
SECOND FLOOR	CLASSROOM	Y	50	8	10	5	15	-	88	40	128
	LABORATORY	Y	50	8	10	5	15	-	88	60	148
	FITNESS CENTER	Y	50	8	10	5	-	-	73	100	173
	OFFICE	Y	50	8	10	5	15	-	88	50	138
	CORRIDORS	Y	50	8	10	5	15	-	88	80	168
	TERRACE	N	50	8	10	25	-	20	113	100	213
ROOF**	ROOF	N	5	8	10	-	-	20	43	22*	65
	GYM ROOF	N	5	8	3	-	-	20	36	22*	58

NOTES:
1. LIVE LOADS HAVE BEEN REDUCED FOR THE INDICATED OCCUPANCIES IN ACCORDANCE WITH SECTION 1607.11 OF THE BUILDING CODE.

2. *DENOTES ROOF LIVE LOAD, EQUAL TO FLAT ROOF SNOW LOAD. SEE SNOW DRIFT LOADING PLAN ON THIS SHEET FOR SNOW DRIFT LOADING INFO. AT LOCALIZED AREAS.

3. **DENOTES ROOF UNIFORM LOADS. SEE PLAN FOR EQUIPMENT LOADS IN ADDITION TO UNIFORM LOADS.

MASONRY DEVELOPMENT AND SPLICE LENGTH

BAR/ WIRE SIZE	DIAMETER	f'm = 2,500 PSI	
		DEVELOPMENT LENGTH (Em) IN.	TENSION SPLICE LENGTH (Sm) IN.
W1.7	0.148	8	8
W2.1	0.162	8	8
W2.8	0.189	10	10
#3	0.375	12	12
#4	0.5	12	12
#5	0.625	18	18
#6	0.75	34	34
#7	0.875	47	47
#8	1	71	71

NOTE:
EPOXY-COATED BAR LENGTHS SHALL BE INCREASED BY 50 PERCENT.
STEEL YIELD STRENGTH Fy = 60,000 PSI
MECHANICAL SPLICES SHALL HAVE THE BARS CONNECTED TO DEVELOP IN TENSION OR COMPRESSION, AS REQUIRED, AT LEAST 125% OF THE SPECIFIED YIELD STRENGTH OF THE BAR

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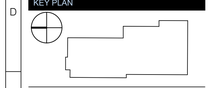
ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: DESIGN CRITERIA
SHEET NUMBER: S-003

BID SET

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CHECKED BY: JH/NV
DWG NUMBER: C:\Users\NVelez\Documents\Revit Local Files\P-TECH-C4040.00_r24vsave_NVelez.rvt
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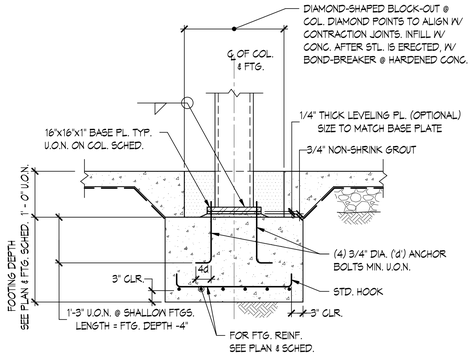
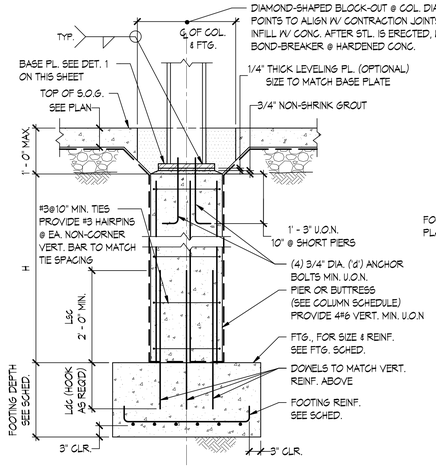


1 TYPICAL STEEL COLUMN AND FOOTING

3/4" = 1'-0"

NOTES:

1. SEE COLUMN SCHEDULE FOR BASE PLATE SIZE AND THICKNESS.
2. BOTTOM OF PERIMETER FOOTINGS SHALL BE MINIMUM 4'-0" BELOW LOWEST ADJACENT GRADE ELEVATION.

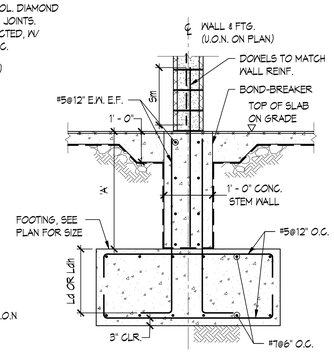


2 TYPICAL STEEL COLUMN AND FOOTING WITH PIER OR BUTTRESS

3/4" = 1'-0"

NOTES:

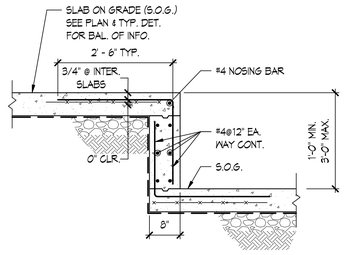
1. SEE COLUMN SCHEDULE FOR BASE PLATE SIZE AND THICKNESS.
2. BOTTOM OF PERIMETER FOOTINGS SHALL BE MINIMUM 4'-0" BELOW LOWEST ADJACENT GRADE ELEVATION.
3. WHERE H IS LESS THAN 1'-0", ELIMINATE PIER, EXTEND STEEL COLUMN/BASE PLATE ASSEMBLY TO TOP OF FOOTING, AND HAUNCH CONCRETE TO TOP OF FOOTING.



3 TYPICAL INTERIOR CMU WALL STRIP FOOTING

1/2" = 1'-0"

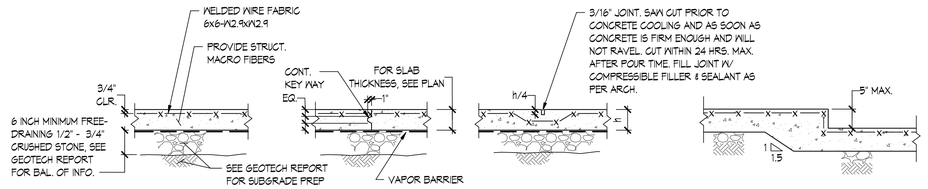
NOTE: HAUNCH SLAB ON GRADE TO TOP OF FOOTING WHERE 'A' IS LESS THAN 12" AND PROVIDE BOND BREAKER BETWEEN TOP OF FOOTING AND SLAB.



6 TYPICAL STEP IN SLAB-ON-GRADE

3/4" = 1'-0"

NOTE: PROVIDE CONTINUOUS WATERSTOPS IN ALL JOINTS ARE REQUIRED BY ARCHITECT.



TYPICAL SLAB-ON-GRADE

CONSTRUCTION JOINT

NOTE: PROVIDE CONTINUOUS WATERSTOP IN ALL JOINTS AS REQ'D. BY ARCHITECT.

SAW CUT CONTRACTION JOINT

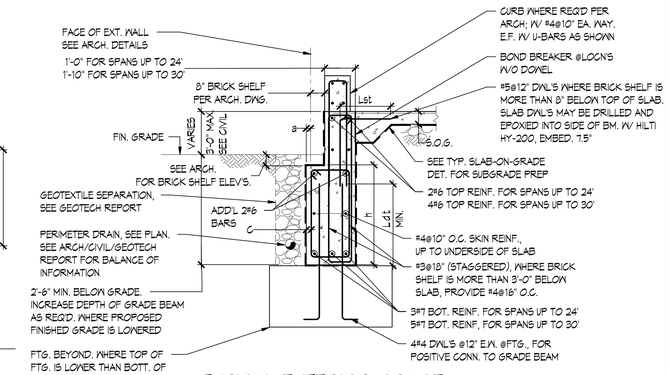
NOTES:

1. MAXIMUM JOINT SPACING: 15'-0" E.W. AT INTERIOR SLABS; 12'-0" EACH WAY AT EXTERIOR SLABS. PROVIDE JOINTS AT HALF THE INDICATED SPACING WHEN ADJACENT TO SLAB STEPS.
2. CONTRACTOR TO PROVIDE PROPOSED JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL.

SMALL STEP IN SLAB-ON-GRADE

4 TYPICAL SLAB-ON-GRADE

3/4" = 1'-0"



7 TYPICAL EXTERIOR GRADE BEAM WITH SLAB ON GRADE

1/2" = 1'-0"

NOTES:

1. DIMENSIONS FOR h VARIES. SEE ARCH. AND CIVIL DRAWINGS FOR SLAB AND GRADE ELEVATIONS. hmin. = 24" FOR SPANS UP TO 24'; hmin. = 30" FOR SPANS UP TO 30'
2. a=0" & C=2" CLEAR WITH FORM WORK. a=1" & C=3" CLEAR WITH EARTH FORM.

ELEVATION

SECTION

NOTE: BEAM SIZES ON PLANS AND IN BEAM SCHEDULES ARE DESCRIBED THUS: b x h WHERE b AND h ARE GIVEN IN INCHES.

UPSET SECTION

5 TYPICAL CONCRETE BEAM

1/2" = 1'-0"

NOTES:

1. THIS DETAIL REPRESENTS TYPICAL CONDITION ONLY. SEE PLANS AND BEAM SCHEDULE FOR NON-TYPICAL REINFORCING DETAILS.
2. ALL BOTTOM BARS TO BE NON-CONTINUOUS UNLESS SPECIFICALLY DESCRIBED AS CONT. ON PLANS OR IN SCHEDULE.

ABBREVIATIONS:

A = .33 L1 OR L2 WHICHEVER IS GREATER BUT MIN. ld

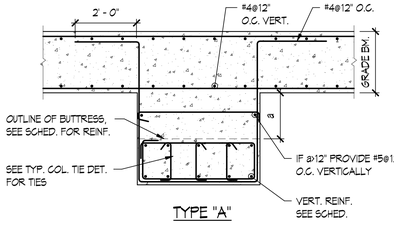
B = .2 L1 OR L2 WHICHEVER IS GREATER BUT MIN. ld

8 PERIMETER FOOTING SUPPORTING EXTERIOR CMU WALL WITH BRICK FACADE

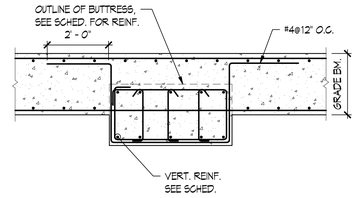
1/2" = 1'-0"

9 PERIMETER COLUMN & PIER WITH BRICK FACADE

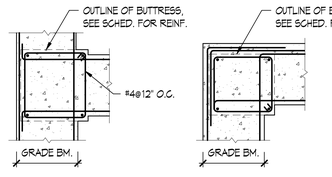
3/4" = 1'-0"



TYPE "A"



TYPE "B" COLUMN BUTTRESS WITHIN FOUNDATION WALL

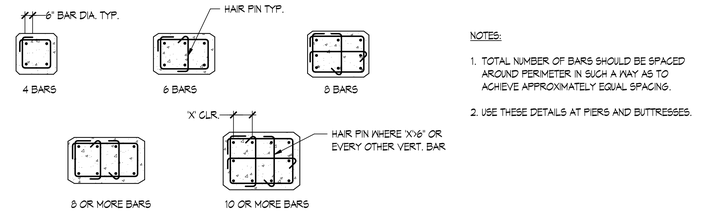


TYPE "C" TYPE "D"

10 TYPICAL COLUMN BUTTRESS PLAN

1/2" = 1'-0"

NOTE: FOR BALANCE OF BEAM REINFORCEMENT & OTHER INFORMATION SEE TYPICAL GRADE BEAM AND PIER-BUTTRESS DETAIL.



NOTES:

1. TOTAL NUMBER OF BARS SHOULD BE SPACED AROUND PERIMETER IN SUCH A WAY AS TO ACHIEVE APPROXIMATELY EQUAL SPACING.
2. USE THESE DETAILS AT PIERS AND BUTTRESSES.

11 TYPICAL TIED COLUMN PIERS AND BUTTRESSES

1/2" = 1'-0"

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
TYPICAL DETAILS 1

SHEET NUMBER:
S-004

BID SET

DRAWN BY: AJOH
CHECKED BY: Author
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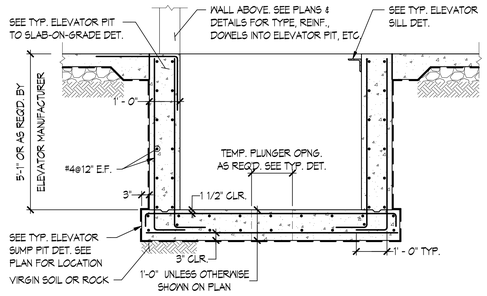
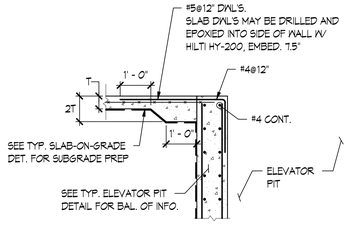
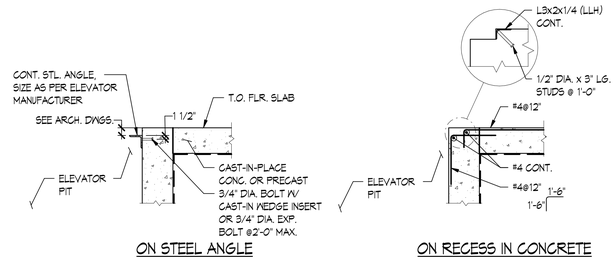


ELEVATOR PIT

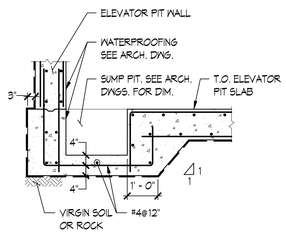


ELEVATOR PIT TO SLAB-ON-GRADE CONNECTION



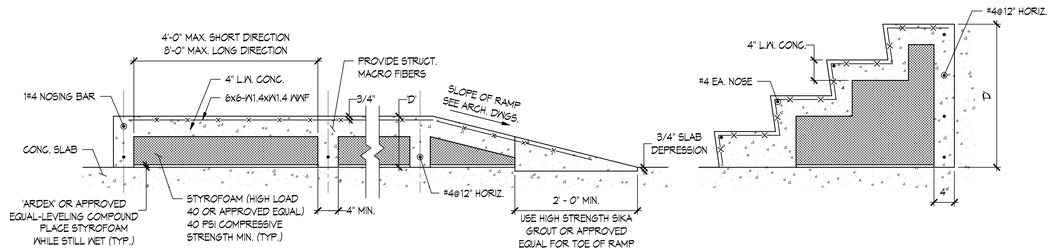
ON STEEL ANGLE — ON RECESS IN CONCRETE

ELEVATOR SILL



ELEVATOR SUMP-PIT

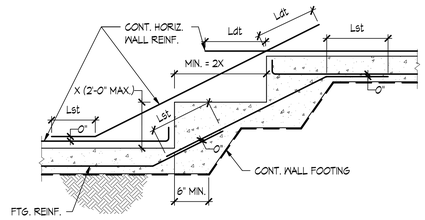
1 TYPICAL ELEVATOR PIT
1/2" = 1'-0"



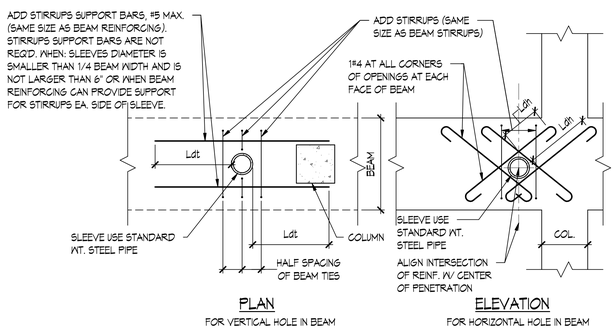
2 TYPICAL INFILL OF DEPRESSED SLAB
1" = 1'-0"

NOTES:

1. WHERE DEPTH 'D' IS 4" OR LESS, OMIT STYROFOAM.
2. MAX. TOTAL DEPTH 'D' IS 4'-0".



3 TYPICAL STEPPED FOOTING
1/2" = 1'-0"



PLAN — FOR VERTICAL HOLE IN BEAM

ELEVATION — FOR HORIZONTAL HOLE IN BEAM

4 TYPICAL OPENINGS IN CONCRETE BEAMS
3/4" = 1'-0"

NOTES:

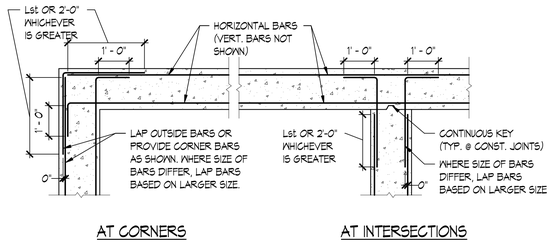
1. ALL OPENINGS REGARDLESS OF SIZE ARE SUBJECT TO APPROVAL OF STRUCTURAL ENGINEER. ALL PROPOSED OPENING SIZES, LOCATION & ELEVATIONS TO BE SUBMITTED FOR REVIEW. OPENINGS THAT REQUIRE SPECIFIED LONGITUDINAL REINFORCEMENT BE PLACED IN ADDITIONAL LAYERS WILL NOT BE PERMITTED.
2. NO OPENINGS ARE PERMITTED IN CONCRETE BEAMS LARGER THAN 2" DIA. UNLESS SPECIFICALLY INDICATED ON STRUCTURAL PLANS. ALL BEAM REINFORCMENT TO RUN THROUGH.

BEAM
d = DEPTH OF BEAM

5 TYPICAL CONSTRUCTION JOINTS
3/4" = 1'-0"

NOTES:

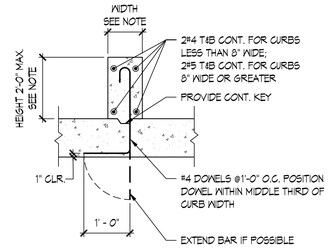
1. CONSTRUCTION JOINTS SHALL NOT BE PERMITTED FOR BEAMS WITH CONCENTRATED LOADS. CONSULT WITH ENGINEER FOR SPECIAL CASES.
2. CONTRACTOR SHALL SUBMIT ALL PROPOSED CONSTRUCTION JOINTS FOR APPROVAL.
3. PROVIDE CONTINUOUS WATERSTOPS IN ALL JOINTS AS REQUIRED BY ARCHITECT.



AT CORNERS — AT INTERSECTIONS

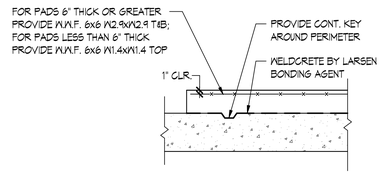
6 TYPICAL HORIZONTAL REINFORCING FOR CONCRETE WALLS AND BEAMS (PLAN)
1/2" = 1'-0"

NOTE: PROVIDE CONTINUOUSE WATERSTOPS IN ALL JOINTS AS REQUIRED BY ARCHITECT.

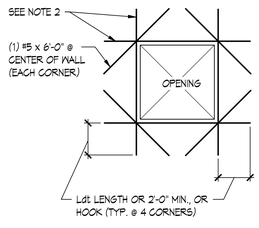


7 TYPICAL CONCRETE CURB
3/4" = 1'-0"

NOTE: FOR CURB HEIGHT & WIDTH SEE ARCHITECTURAL DRAWINGS.



8 TYPICAL CONCRETE PAD
3/4" = 1'-0"



9 TYPICAL OPENING IN CONCRETE WALL
1/2" = 1'-0"

NOTES:

1. HOOK ALL INTERRUPTED CONTINUOUS BARS.
2. PLACE ONE-HALF OF REINFORCING BAR AREA INTERRUPTED BY OPENING IN THE SAME FACE AT BOTH SIDES OF OPENING. TWO #5 EACH SIDE MIN.

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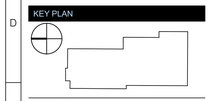
ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
TYPICAL DETAILS 2

SHEET NUMBER:
S-005

BID SET

DRAWN BY: AJ/DH
CHECKED BY: DH/JM/SM
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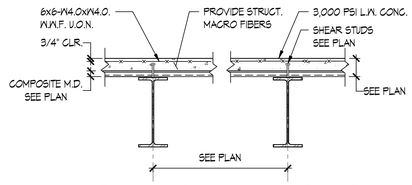
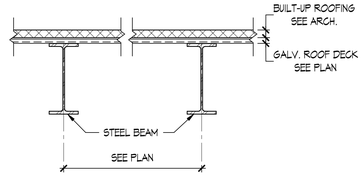


1 TYPICAL FLOOR CONSTRUCTION

3/4" = 1'-0"

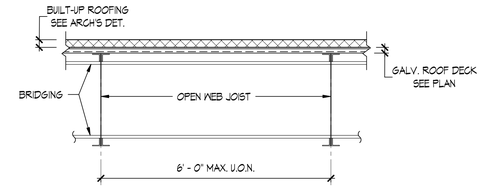
NOTE: SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS.



2 TYPICAL ROOF CONSTRUCTION

3/4" = 1'-0"

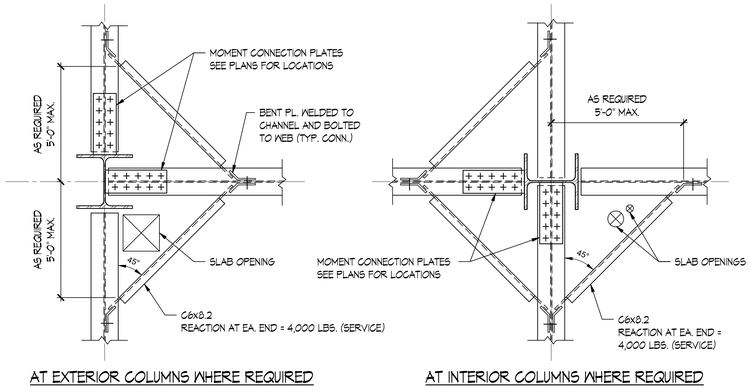
NOTE: SEE ARCHITECTURAL DRAWINGS FOR FIREPROOFING REQUIREMENTS.



3 TYPICAL ROOF CONSTRUCTION (OPEN WEB BAR JOIST)

3/4" = 1'-0"

NOTES:
OPEN WEB JOISTS SHALL BE DESIGNED BY MANUFACTURER'S ENGINEER PER DESIGN CRITERIA SHOWN ON STRUCTURAL DRAWINGS. SUBMIT SIGNED AND SEALED DRAWINGS FOR REVIEW.

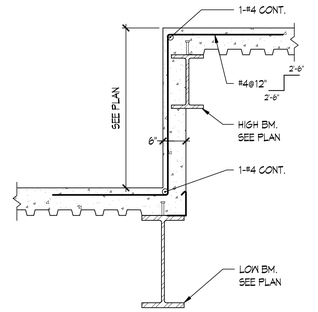


AT EXTERIOR COLUMNS WHERE REQUIRED

AT INTERIOR COLUMNS WHERE REQUIRED

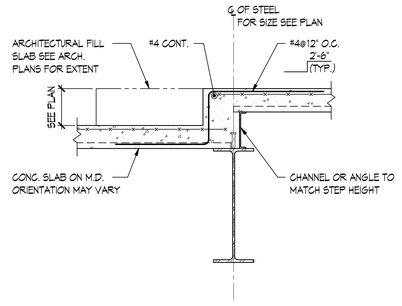
5 TYPICAL METAL DECK SUPPORTS @ COLUMNS WITH OPENINGS AND/OR MOMENT CONNECTION PLATES

3/4" = 1'-0"



6 SLAB STEP - BEAMS HIGH & LOW

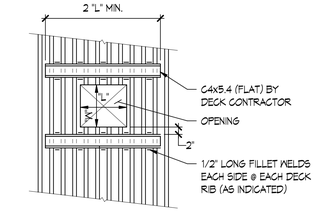
3/4" = 1'-0"



7 TYPICAL SLAB STEP - BEAM LOW

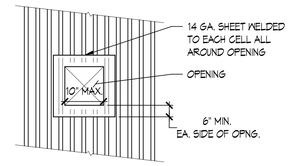
3/4" = 1'-0"

NOTE:
WHERE TOPPING IS POURED MONOLITHICALLY WITH FLOOR SLAB, PROVIDE UPPER AND LOWER LAYERS OF W.W.F. AND SHORE DECK AS REQ'D TO SUPPORT NET WT. OF CONC.



WHERE "L" IS GREATER THAN 10" UP TO 2'-0" MAXIMUM

NOTE: MAXIMUM WIDTH "W" = 2'-0"

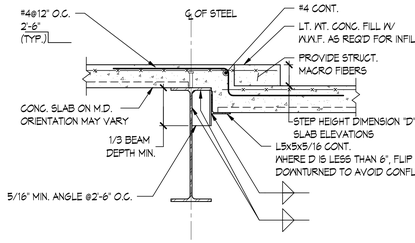


OPENING GREATER THAN 6"x6" OR 6" DIAMETER & LESS THAN 10"x10" OR 10" DIAMETER

4 TYPICAL REINFORCING FOR UNFRAMED OPENINGS IN FLOORS

3/8" = 1'-0"

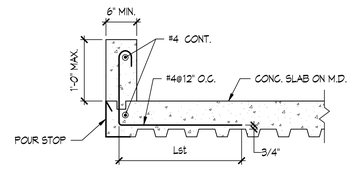
NOTE: NO PLATE REINFORCEMENT IS REQUIRED FOR ISOLATED 6"x6", 6" DIAMETER OR SMALLER. GROUPS OF CLUSTERED PENETRATIONS SHALL BE TREATED AS ONE LARGER OPENING ENCOMPASSING THE ENTIRE CLUSTER. COORDINATE PENETRATIONS WITH ARCH. AND MEP DRAWINGS.



8 TYPICAL SLAB STEP - BEAM HIGH

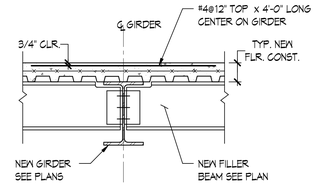
3/4" = 1'-0"

NOTE:
WHERE TOPPING IS POURED MONOLITHICALLY WITH FLOOR SLAB, PROVIDE UPPER AND LOWER LAYERS OF W.W.F. AND SHORE DECK AS REQ'D TO SUPPORT NET WT. OF CONC.



9 TYPICAL CONCRETE CURB ON COMPOSITE DECK

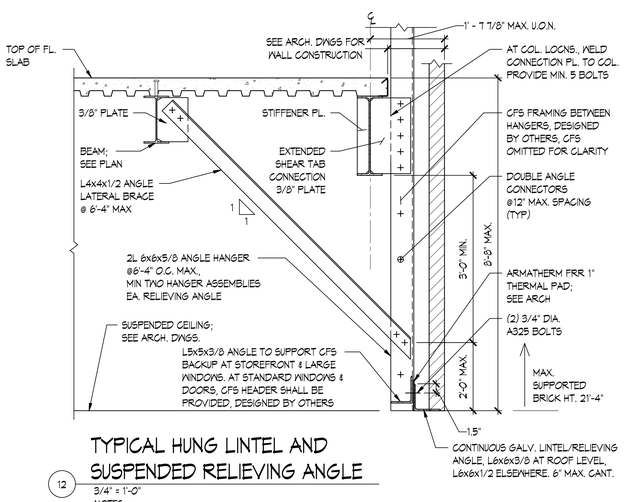
1" = 1'-0"



10 TYPICAL REINFORCING OVER GIRDERS OR AT CHANGE IN DECK DIRECTION

3/4" = 1'-0"

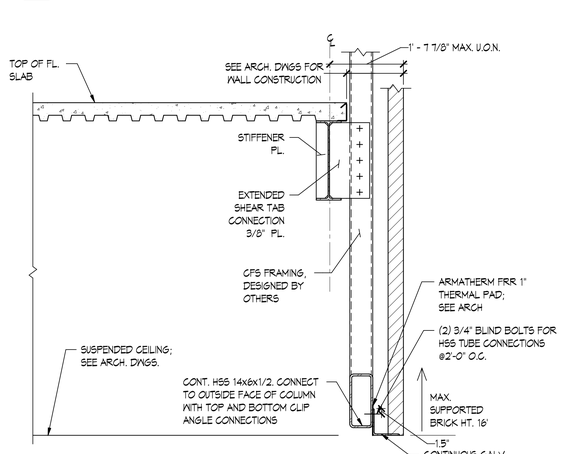
NOTE: FOR BALANCE OF INFORMATION SEE TYPICAL FLOOR CONSTRUCTION DETAILS.



12 TYPICAL HUNG LINTEL AND SUSPENDED RELIEVING ANGLE

3/4" = 1'-0"

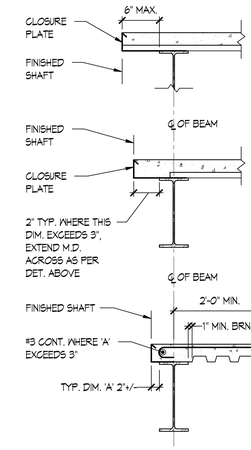
NOTES:
1. THIS DETAIL SHALL BE USED AT EXTERIOR WINDOW/DOOR OPENINGS, AT LOW CONTINUOUS RELIEVING ANGLES, AND AT LOW FACADE TRANSITION SUPPORT ANGLES. COORD. WITH ARCH.
2. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. FINAL SIZES AND DIMENSIONS PENDING FINAL ARCHITECTURAL LAYOUT AND DIMENSIONS.
4. RELIEVING ANGLE SUPPORT SYSTEMS ARE FOR GRAVITY LOADING ONLY. CFS BACK UP SYSTEM TO BE DESIGNED BY OTHERS FOR LATERAL LOADING DUE TO WIND. REFER TO ARCHITECTURAL DRAWINGS.
5. ALIGN HANGERS WITH COLUMNS AND WITH BEAMS PERPENDICULAR TO FACADE TO MINIMIZE LOAD ON SPANDREL BEAMS.
6. AT LOCATIONS WITH LINTEL ELEVATION LESS THAN 12" BELOW UNDERSIDE OF SPANDREL BEAM, ANGLE LATERAL BRACE SHALL BE CONNECTED TO BEAM WEB STIFFENER IN LIEU OF HANGER. ANGLE BRACE MAY BE PLACED AT SLOPE UP TO 2H:1V. ALIGN INTERIOR ANGLE-SUPPORT BEAM ACCORDINGLY. WHERE NO SPACE FOR LATERAL BRACE BELOW BEAM, CONNECT IT TO STIFFENER ON BACK SIDE OF SPANDREL BEAM.



13 TYPICAL HUNG LINTEL AND SUSPENDED RELIEVING ANGLE WHERE ANGLE BRACE IS NOT USABLE

3/4" = 1'-0"

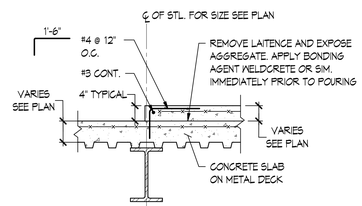
NOTES:
1. THIS DETAIL SHALL BE USED AT EXTERIOR WINDOW/DOOR OPENINGS, AT LOW CONTINUOUS RELIEVING ANGLES, AND AT LOW FACADE TRANSITION SUPPORT ANGLES. COORD. WITH ARCH.
2. COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. FINAL SIZES AND DIMENSIONS PENDING FINAL ARCHITECTURAL LAYOUT AND DIMENSIONS.
4. RELIEVING ANGLE SUPPORT SYSTEMS ARE FOR GRAVITY LOADING ONLY. CFS BACK UP SYSTEM TO BE DESIGNED BY OTHERS FOR LATERAL LOADING DUE TO WIND. REFER TO ARCHITECTURAL DRAWINGS.



11 TYPICAL EDGE AT STAIRS, SHAFT AND ETC.

3/4" = 1'-0"

NOTE: FACE OF CLOSURE PLATE SHALL BE ALIGNED TO OBTAIN FINISHED SHAFT LOCATION. ALL CLOSURE PLATES SHALL BE 18 GA. MIN. AND SHALL BE DESIGNED, FURNISHED AND INSTALLED BY THE METAL DECK CONTRACTOR. "SHAFT" REFERS TO ALL ELEVATOR SHAFTS AS WELL AS ALL MECHANICAL, ELECTRICAL AND CONVEYOR SHAFTS.



14 MECHANICAL PAD ON COMPOSITE DECK

3/4" = 1'-0"

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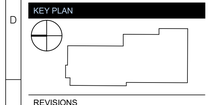
ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
TYPICAL DETAILS 3

SHEET NUMBER:
S-006

BID SET

DRAWN BY: JH/AV
CHECKED BY: JH/DM
J:\ksq\Active\Rockland\ptech_Bennett\RDS-044x\50_Issuance\Plotted.rvt
7/3/2025 11:58:53 AM

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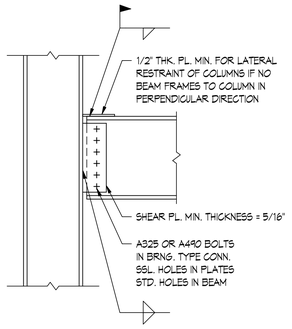
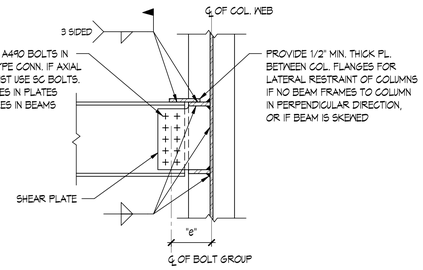


1 TYPICAL BEAM TO COLUMN FLANGE SHEAR CONNECTION

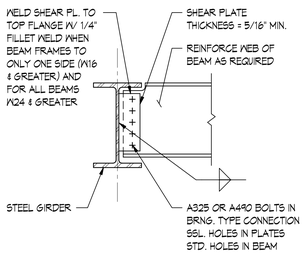
3/4" = 1'-0"



2 TYPICAL BEAM TO COLUMN WEB SHEAR CONNECTION

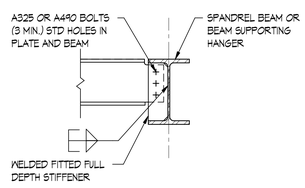
3/4" = 1'-0"

NOTE: DESIGN CONNECTION FOR ECCENTRICITY "e"



3 TYPICAL BEAM TO GIRDER CONNECTION

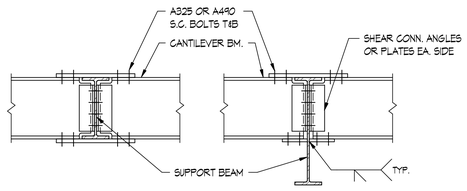
3/4" = 1'-0"



4 TYPICAL END CONNECTION TO SPANDREL BEAMS OR STAIR HANGERS

3/4" = 1'-0"

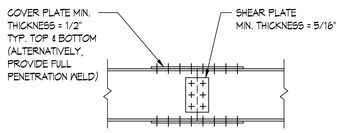
NOTE: SEE TYPICAL BEAM TO GIRDER CONNECTION FOR BALANCE OF INFORMATION.



SUPPORT BEAM SAME DEPTH SUPPORT BEAM DEEPER

5 TYPICAL CANTILEVER BEAM CONNECTION

3/4" = 1'-0"

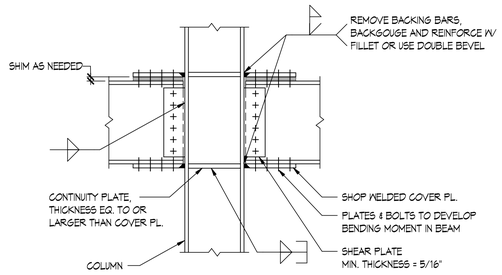


6 TYPICAL BEAM SPLICE

3/4" = 1'-0"

NOTES:

1. SPLICE CONNECTION SHALL DEVELOP FULL PLASTIC MOMENT CAPACITY OF BEAM.
2. ALL BOLTS TO BE SLIP CRITICAL.

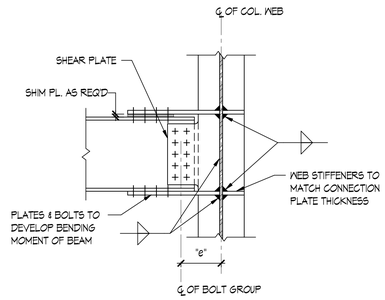


7 TYPICAL MOMMENT CONNECTION AT COLUMN FLANGE

3/4" = 1'-0"

NOTES:

1. MOMENT CONNECTIONS SHALL DEVELOP FULL PLASTIC MOMENT CAPACITY OF BEAM U.O.N.
2. ADDITIONAL CHANNEL SUPPORTS FOR FLOOR STRUCTURE SUPPORT NOT SHOWN FOR CLARITY.

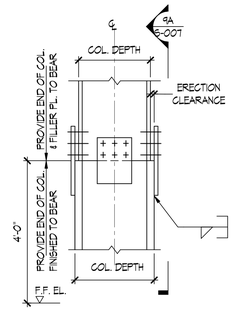


8 TYPICAL BEAM TO COLUMN WEB MOMENT CONNECTION

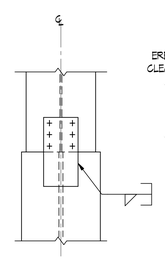
3/4" = 1'-0"

NOTES:

1. DESIGN SHEAR CONNECTION FOR ECCENTRICITY "e".
2. IF THERE IS ALSO A MOMENT CONNECTION TO FLANGE OF COLUMN, WELDS OF MOMENT CONNECTING PLATE TO COLUMN ARE TO BE PROPORTIONED TO TAKE FORCES FROM BOTH DIRECTIONS SIMULTANEOUSLY.

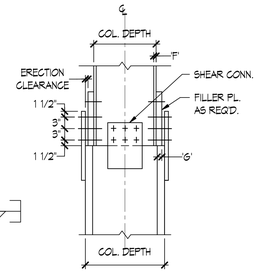


WITHOUT FILLER PLATE



9A SECTION

3/4" = 1'-0"

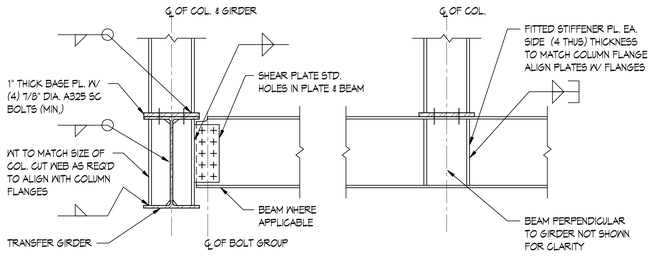


WITH FILLER PLATE

9 TYPICAL STEEL COLUMN SPLICE

3/4" = 1'-0"

NOTE: BEARING DIMENSION 'G' SHALL BE EQUAL OR GREATER THAN 'F'.

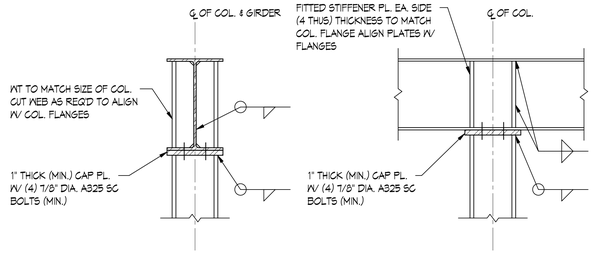


COLUMN WEB PERPENDICULAR TO GIRDER COLUMN WEB PARALLEL TO GIRDER

10 TYPICAL COLUMN TRANSFER

3/4" = 1'-0"

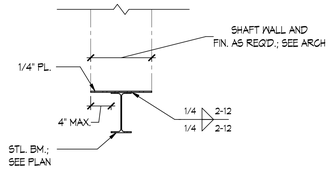
NOTE: DESIGN CONNECTION FOR ECCENTRICITY "e"



COLUMN WEB PERPENDICULAR TO GIRDER COLUMN WEB PARALLEL TO GIRDER

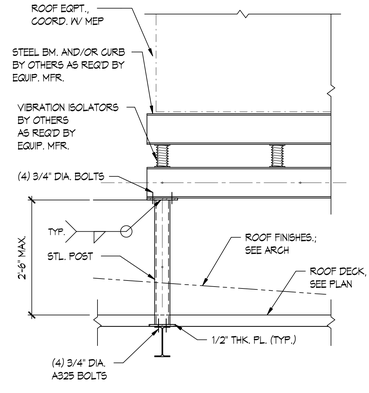
11 BEAM ON TOP OF COLUMN

3/4" = 1'-0"



12 TYPICAL STEEL BEAM SUPPORTING SHAFT WALL WITH NO METAL DECK

1" = 1'-0"



13 TYPICAL EQUIPMENT DUNNAGE

3/4" = 1'-0"

NOTE: ALL EXPOSED STEEL FRAMING SHALL BE HOT-DIP GALVANIZED.

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ROCKLAND BOCES ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: TYPICAL DETAILS 4
SHEET NUMBER: S-007

BID SET

DRAWN BY: CK
CHECKED BY: CK
7/3/2025 11:59:02 AM

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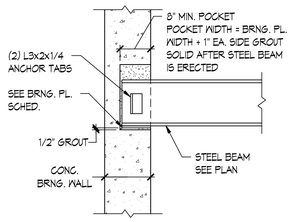
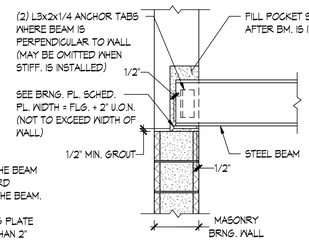


TYPICAL STEEL BEAM BEARING ON CONCRETE WALL

BEARING PLATE SCHEDULE	
BEARING PLATE NO.	BEARING PLATE SIZE
BP-1	PL. 5/8"xTxO'-8"
BP-2	PL. 5/8"x16"xO'-9 1/2"
BP-3	PL. 3/4"x24"xO'-9 1/2"
BP-4	PL. 5/8"xTxO'-10"

NOTES:

1. BEARING PLATES SHALL BE CENTERED ABOUT THE BEAM SUPPORTED, AND ORIENTED SUCH THAT THE THIRD DIMENSION IS PERPENDICULAR TO THE WEB OF THE BEAM.
2. BEAMS SHALL BE EXTENDED OVER THE BEARING PLATE SO THAT THE PLATE DOES NOT EXTEND MORE THAN 2" BEYOND THE END OF THE BEAM.



TYPICAL STEEL BEAM BEARING ON MASONRY WALL

TYPICAL STEEL BEAM BEARING ON CONCRETE AND MASONRY WALLS

1 — 3/4" = 1'-0"

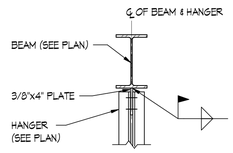


PLATE PARALLEL TO WEB

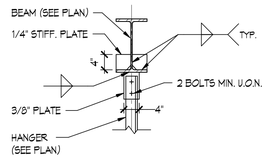
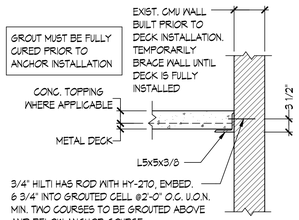


PLATE PERPENDICULAR TO WEB

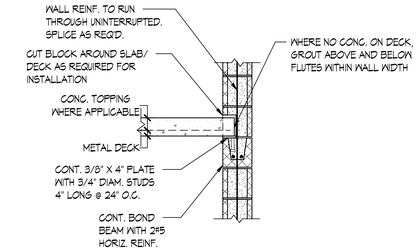
TYPICAL HANGER CONNECTION

2 — 3/4" = 1'-0"

NOTE: SIZE OF PLATES, WORKING WELDS AND NUMBER OF BOLTS SHALL BE DESIGNED INDIVIDUALLY IF HANGER LOAD IS IN EXCESS OF 10,000 LBS.



3A : WALL BUILT FIRST AND DECK SUPPORTED ON ANGLE

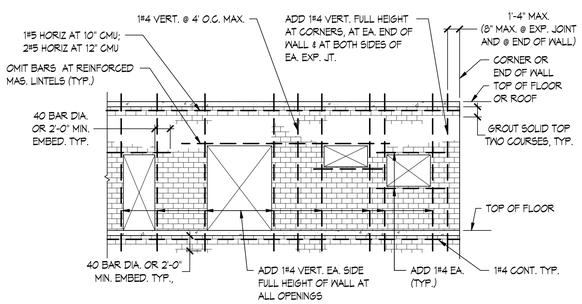


3B: DECK BUILT INTEGRALLY WITH WALL

SUPPORT OF METAL DECK ON CMU BEARING WALL

3 — 3/4" = 1'-0"

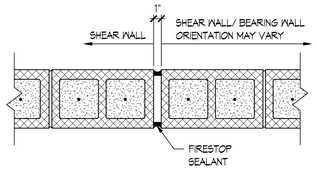
NOTES:
1. METAL DECK SHALL BEAR ON ANGLE/PLATE 3" MINIMUM (END-BEARING AND SIDE LAP CONDITIONS).
2. WELD DECK TO ANGLE/PLATE PER TYPICAL METAL DECK NOTES ON S-002.
3. DETAIL 3A IS TYPICAL BASIS OF DESIGN, AS SHOWN ON PLAN. SEE PLAN FOR DETAIL 3B LOCATIONS.



TYPICAL MINIMUM REINFORCING IN CMU STRUCTURAL WALLS

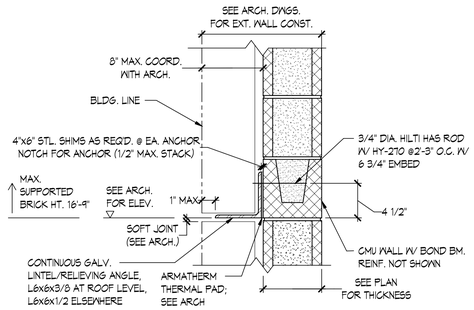
4 — 1/8" = 1'-0"

NOTES:
1. FOR TYPICAL JOINT REINFORCING SEE GENERAL NOTES AND SPECIFICATIONS.
2. SEE S-400 SERIES FOR BALANCE OF WALL REINFORCEMENT INFORMATION.
3. PROVIDE MINIMUM OF CONTINUOUS 5#4 VERTICAL IN ISOLATED PIERS OF LENGTH EQUAL TO OR LESS THAN 4'-0" FOR 8" CMU, 5'-0" FOR 10" CMU AND 6'-0" FOR 12" CMU.



TYPICAL CMU WALL JOINT

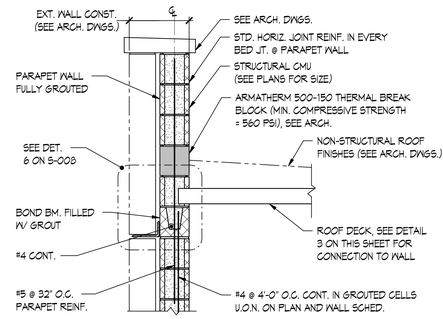
5 — 1 1/2" = 1'-0"



TYPICAL RELIEVING ANGLE AT CONTINUOUS CMU WALL

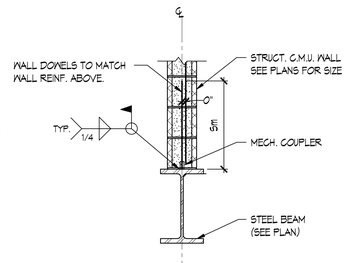
6 — 1 1/2" = 1'-0"

NOTES:
1. ANCHORS SHALL BE PLACED A MINIMUM OF 4 1/2" FROM EACH END OF BOND BEAM AND SHALL NOT BE PLACED MORE THAN 4" FROM EACH END OF RELIEVING ANGLE.
2. SEE SHELF ANGLE DETAIL FOR CONNECTION OF INTERIOR DECK TO CMU WALL.



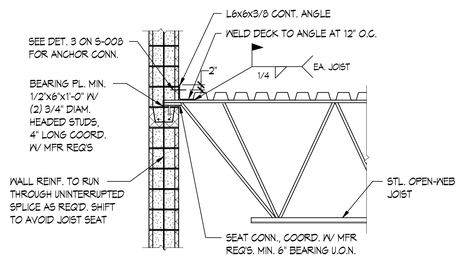
TYPICAL MASONRY PARAPET

7 — 3/4" = 1'-0"



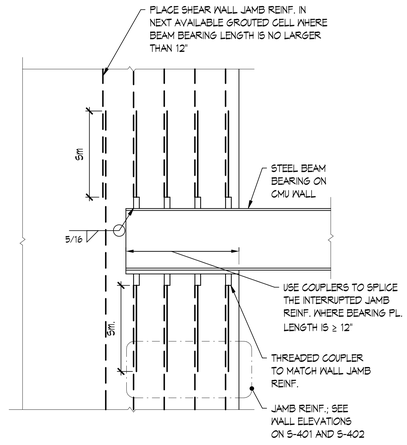
TYPICAL MASONRY WALL CONNECTION TO STEEL BEAM

8 — 3/4" = 1'-0"



TYPICAL OPEN WEB BAR JOIST TO CMU WALL CONNECTION

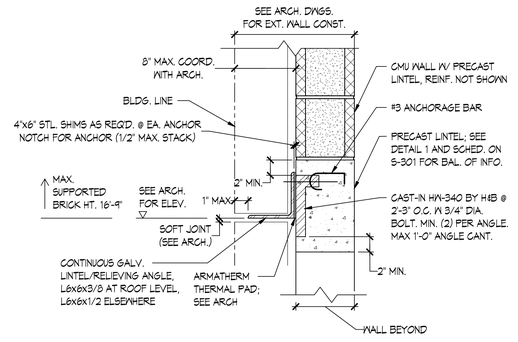
9 — 1/2" = 1'-0"



TYPICAL CMU WALL JAMB REINFORCEMENT PLACEMENT AT BEAM BEARING LOCATIONS

10 — 1/2" = 1'-0"

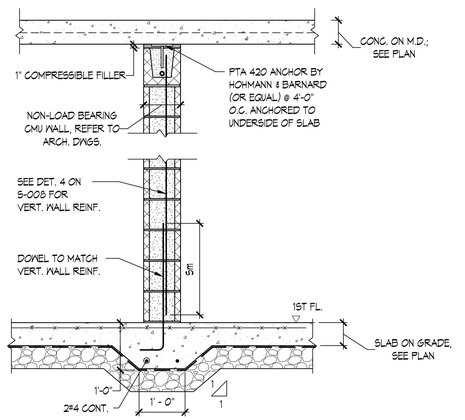
NOTE: DETAIL APPLIES AT BEAMS PERPENDICULAR AND/OR PARALLEL TO WALL.



TYPICAL RELIEVING ANGLE AT PRECAST LINTEL

11 — 1 1/2" = 1'-0"

NOTES:
1. ANCHORS SHALL BE PLACED A MINIMUM OF 6" FROM EACH END OF PRECAST LINTEL, AND SHALL NOT BE PLACED MORE THAN 4" FROM EACH END OF RELIEVING ANGLE.
2. SEE SHELF ANGLE DETAIL FOR CONNECTION OF INTERIOR DECK TO CMU WALL.



TYPICAL NON-LOAD-BEARING CMU WALL ON SLAB ON GRADE

12 — 3/4" = 1'-0"

NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR NON-LOAD BEARING WALL LOCATIONS.

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: TYPICAL DETAILS 5
SHEET NUMBER: S-008

BID SET

DRAWN BY: JH/AV
CHECKED BY: JH/AV
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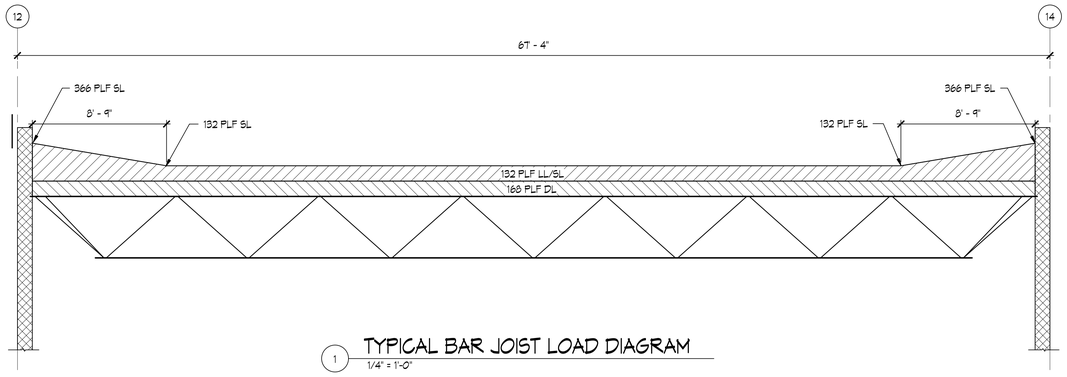
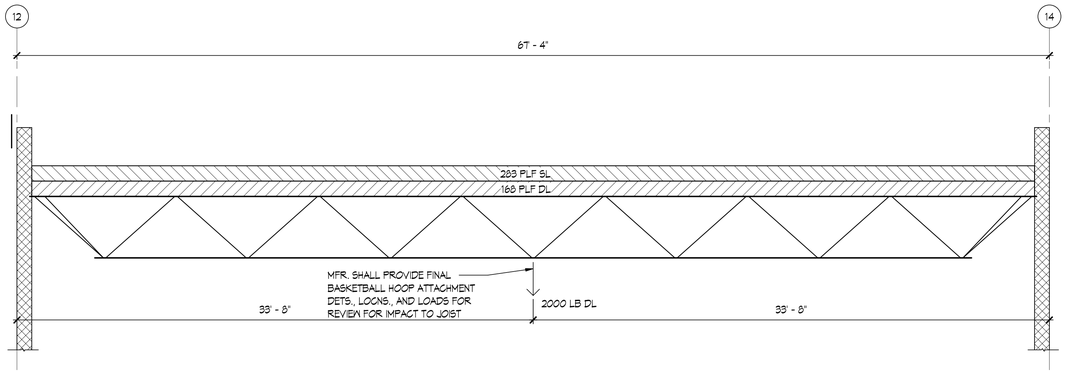
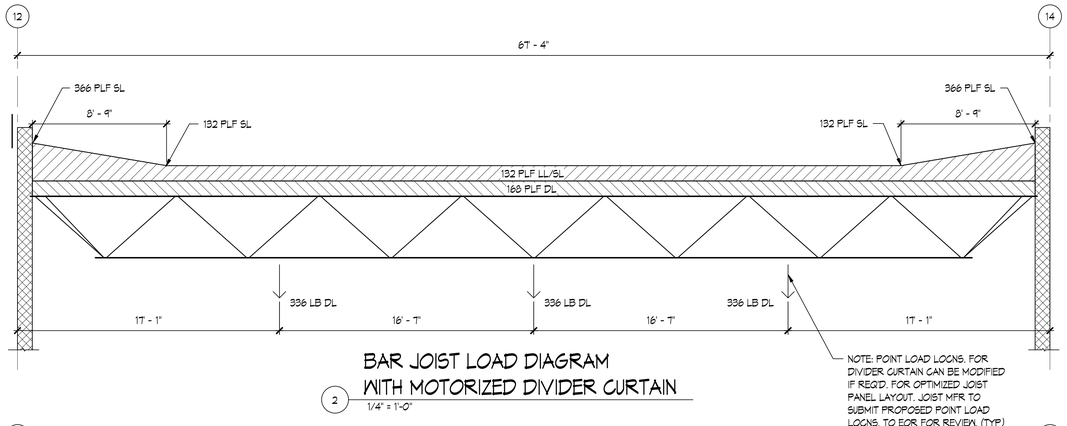


1 TYPICAL BAR JOIST LOAD DIAGRAM
1/4" = 1'-0"

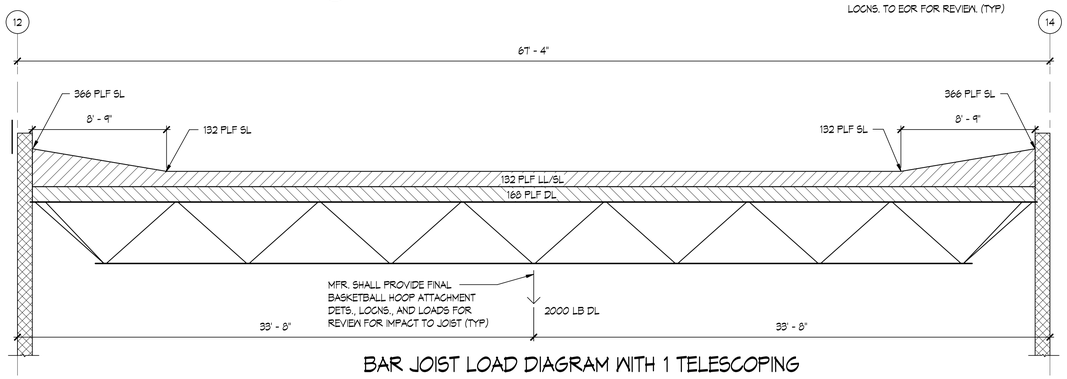


5 BAR JOIST LOAD DIAGRAM AT EAST SIDE OF GYM WITH SNOW DRIFT AND 1 TELESCOPING BASKETBALL HOOP ASSEMBLY
1/4" = 1'-0"

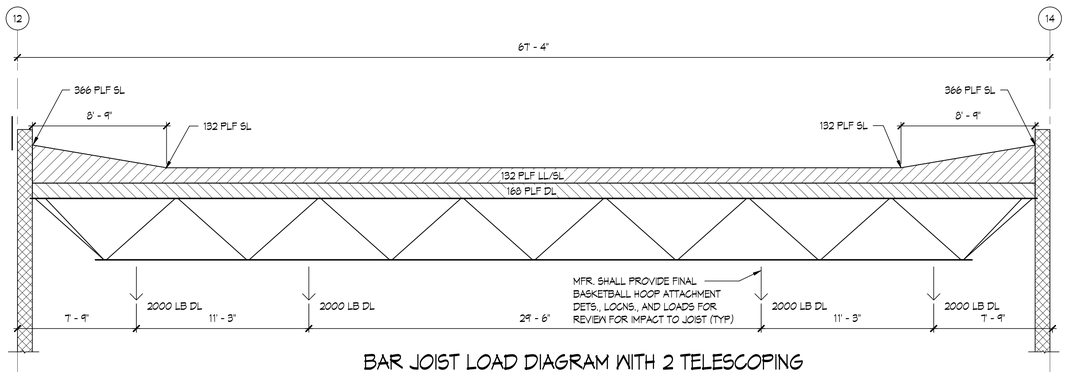


2 BAR JOIST LOAD DIAGRAM WITH MOTORIZED DIVIDER CURTAIN
1/4" = 1'-0"

NOTE: POINT LOAD LOCNS. FOR DIVIDER CURTAIN CAN BE MODIFIED IF REQ'D. FOR OPTIMIZED JOIST PANEL LAYOUT. JOIST MFR TO SUBMIT PROPOSED POINT LOAD LOCNS. TO EOR FOR REVIEW. (TYP)



3 BAR JOIST LOAD DIAGRAM WITH 1 TELESCOPING BASKETBALL HOOP ASSEMBLY
1/4" = 1'-0"



4 BAR JOIST LOAD DIAGRAM WITH 2 TELESCOPING BASKETBALL HOOP ASSEMBLIES
1/4" = 1'-0"

NOTES:

1. DL DENOTES SERVICE DEAD LOAD.
2. LL DENOTES SERVICE LIVE LOAD.
3. SL DENOTES SERVICE SNOW LOAD. SNOW DRIFT LOADS ARE INCLUSIVE OF 22 PSF UNIFORM SNOW LOAD.
4. JOIST DEFLECTION SHALL MEET A MINIMUM DEFLECTION CRITERIA OF L/360 WITH ALL LOADS.
5. POINT LOAD MAGNITUDES & LOCATIONS SHOWN ARE ESTIMATED. COORDINATE FINAL LAYOUT & LOADS W/ MFR.
6. COORDINATE DUCTWORK AND/OR PIPES HANGING FROM JOISTS W/ MEP.

ARCHITECT

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: JOIST LOADING DIAGRAMS 1
SHEET NUMBER: S-009

BID SET

DRAWN BY: AVKV
CHECKED BY: TSK
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7/3/2025 11:59:19 AM

PROJECT NUMBER: C4040.00

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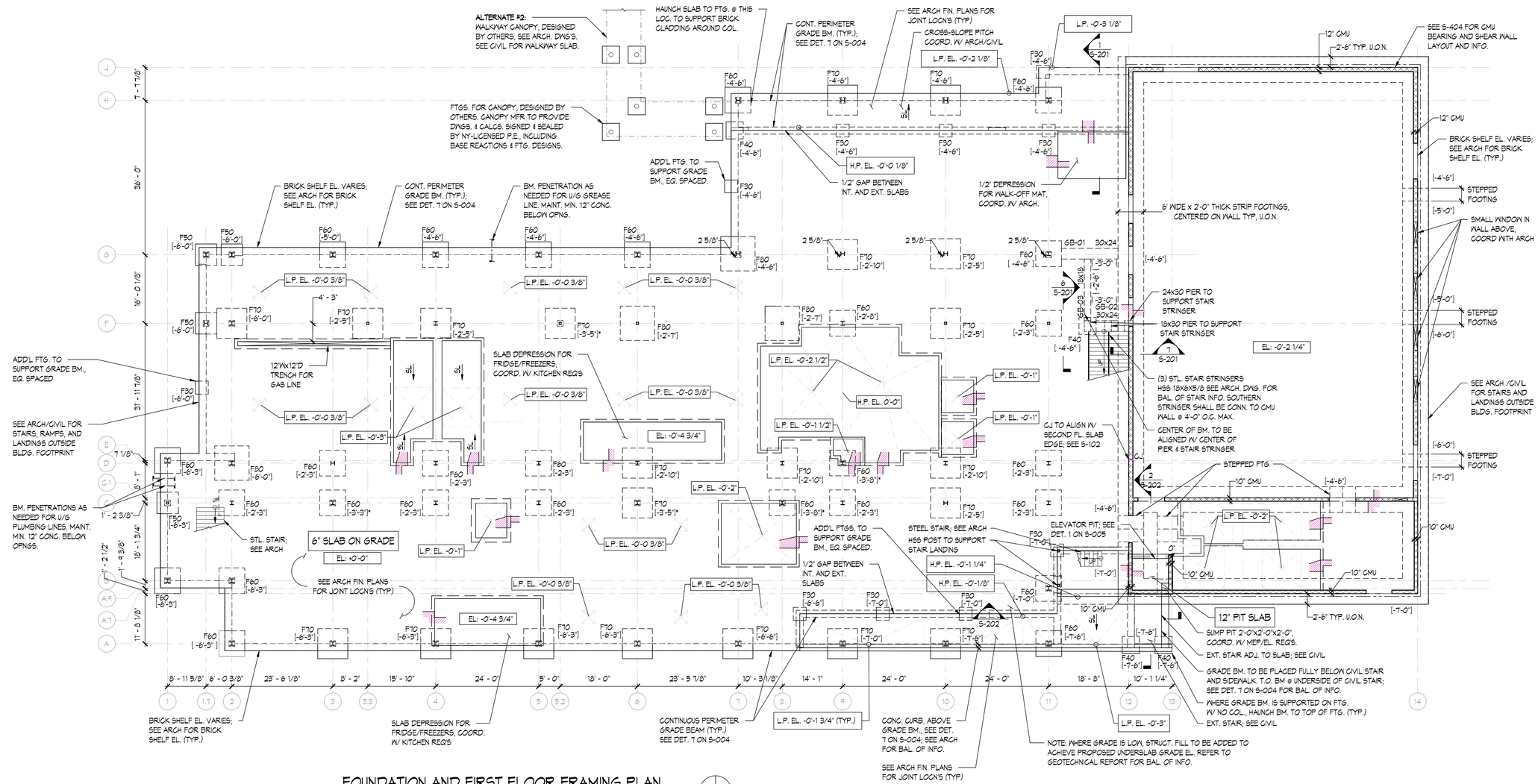

FOUNDATION AND FIRST FLOOR FRAMING PLAN

3/32" = 1'-0"

NOTES:

1. X" SLAB ON GRADE — DENOTES CONCRETE SLAB ON GRADE OF MINIMUM THICKNESS 'X'. SEE DETAIL 4 ON S-004 FOR REINFORCEMENT.
2. EL. XX'-XX" — DENOTES TOP OF SLAB ELEVATION WITH RESPECT TO PROJECT DATUM ELEVATION 0'-0" (EL. 204.00' NAVD88 DATUM).
3. FXX — DENOTES SPREAD FOOTING. FOR FOOTING SIZE & REINFORCEMENT, SEE SCHEDULE THIS SHEET.
4. [-X'-X"] — DENOTES BOTTOM OF FOOTING ELEVATION WITH RESPECT TO EL. 0'-0". IF PROPER BEARING MATERIAL IS NOT FOUND AT ELEVATION INDICATED, LOWER THE BOTTOM OF FOOTING AS NECESSARY. A 1H:1V INFLUENCE LINE SHALL BE MAINTAINED BETWEEN BOTTOM OF ADJACENT FOOTINGS.
5. FOOTINGS TO BE CENTERED ON COLUMNS AND WALLS ABOVE, UNLESS OTHERWISE NOTED.
6. GB-X DENOTES GRADE BEAM. SEE SCHEDULE ON S-301 FOR REINFORCEMENT. FOR TYPICAL PERIMETER GRADE BEAM REINFORCEMENT, SEE DETAIL 7 ON S-004.
7. BOTTOM OF GRADE BEAM ELEVATION DENOTED THUS [-X'-X"] WITH RESPECT TO EL. 0'-0". AT TYPICAL PERIMETER GRADE BEAMS, BOTTOM OF GRADE BEAM SHALL BE EMBEDDED BELOW GRADE PER DETAIL 7 ON S-004. ADJUST DEPTH AS REQUIRED PER FINAL BRICK SHELF ELEVATIONS. COORD. WITH CIVIL AND ARCHITECTURAL DRAWINGS.
8. CENTERLINE OF GRADE BEAMS TO ALIGN WITH CENTROID OF FOOTING & COLUMN, UNLESS OTHERWISE NOTED.
9. FOR STEEL COLUMN SIZES AND CONCRETE PIER AND BUTTRESS DIMENSIONS & REINFORCEMENT, SEE COLUMN SCHEDULE ON S-301.
10. SLAB OPENINGS, PITCH LINES, AND PENETRATIONS SHOWN SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING & SPRINKLER DRAWINGS. SEE ARCHITECTURAL SLAB EDGE DRAWING FOR BALANCE OF SLAB LAYOUT INFORMATION. INCLUDING JOINT LOCATIONS.
11. DENOTES LOAD BEARING C.M.U. WALL 12" THICK UNLESS OTHERWISE NOTED. SEE WALL DETAILS ON S-401 FOR WALL REINFORCEMENT. WALLS TO BE GROUTED SOLID U.O.N. SEE MASONRY GENERAL NOTES ON S-001 FOR BALANCE OF INFORMATION. PROVIDE MINIMUM REINFORCEMENT PER DETAIL 4 ON S-008 UNLESS OTHERWISE NOTED.
12. DENOTES NON-LOAD BEARING CMU PARTITION WALL, SEE ARCHITECTURAL DRAWINGS FOR BALANCE OF INFORMATION.
13. CJ — DENOTES CMU CONTROL JOINT. SEE DETAIL 5 ON S-008.
14. DENOTES PITCH LINE TO DRAIN. SEE ARCHITECTURAL SLAB EDGE DRAWINGS FOR BALANCE OF INFORMATION.
15. * — DENOTES FOOTING LOWERED TO ACCOMMODATE PIPING.
16. H.P. — DENOTES HIGH POINT FOR PITCH TO DRAIN. REFER TO ARCHITECTURAL SLAB EDGE DRAWINGS FOR BALANCE OF INFORMATION.
17. L.P. — DENOTES LOW POINT FOR PITCH TO DRAIN. REFER TO ARCHITECTURAL SLAB EDGE DRAWINGS FOR BALANCE OF INFORMATION.

FOOTING SCHEDULE (3 KSF)

MARK	WIDTH	LENGTH	THICKNESS	REINFORCING (EACH WAY)	MAX. SERVICE LOAD (KIPS)
F30	3' - 0"	3' - 0"	1' - 0"	4#4	25
F40	4' - 0"	4' - 0"	1' - 0"	4#4	45
F50	5' - 0"	5' - 0"	1' - 1"	5#5	70
F60	6' - 0"	6' - 0"	1' - 3"	6#5	100
F70	7' - 0"	7' - 0"	1' - 5"	8#5	135
F80	8' - 0"	8' - 0"	1' - 7"	8#6	175

GRAPHIC SCALE 10' 0' 10' 20'

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ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: FOUNDATION AND FIRST FLOOR FRAMING PLAN
SHEET NUMBER: S-101

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/NV
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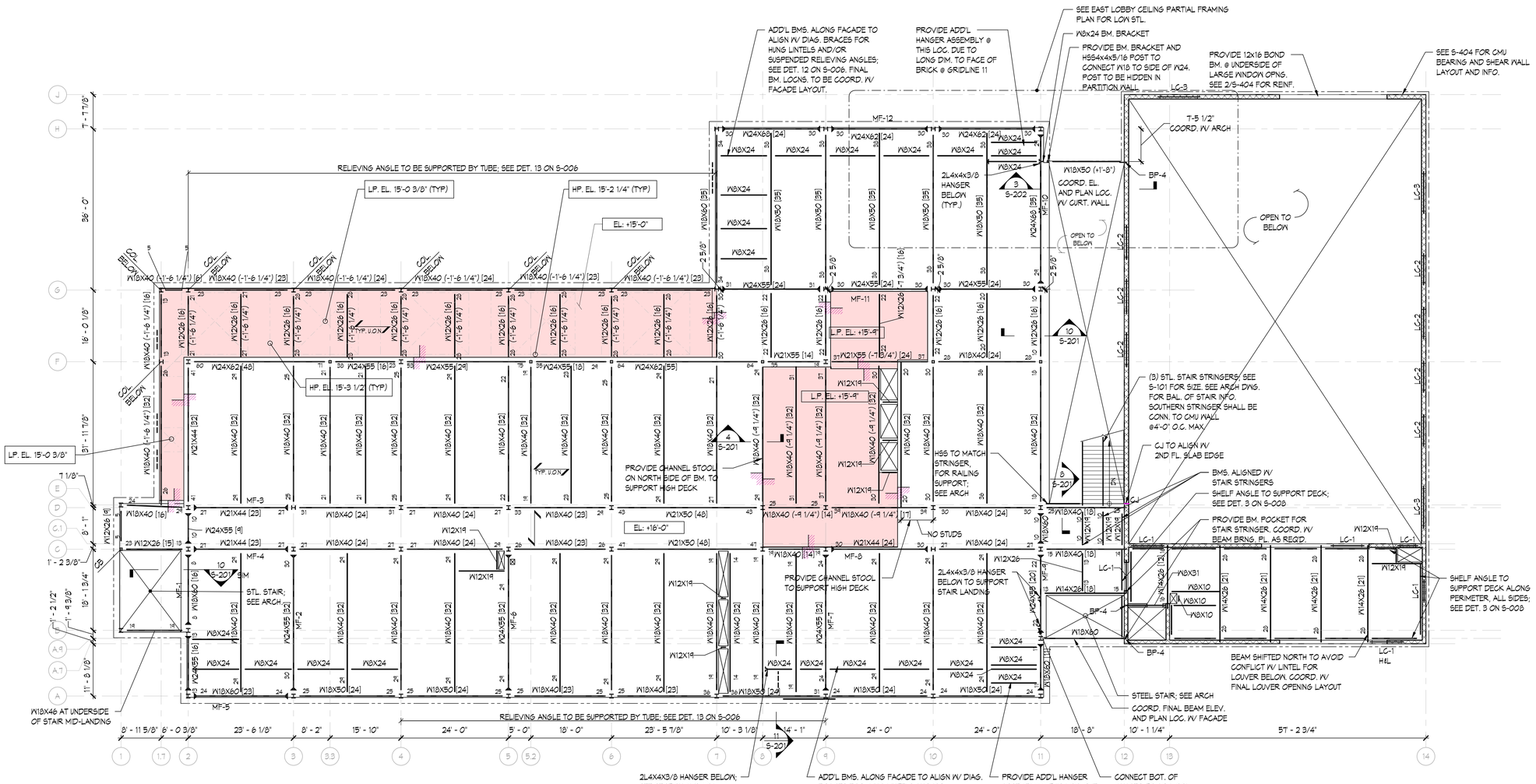
PROJECT NUMBER: C4040.00 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

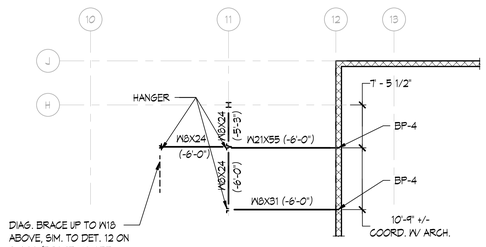


SECOND FLOOR FRAMING PLAN

3/32" = 1'-0"

NOTES:

1. EL. XX-XX" — DENOTES TOP OF SLAB ELEVATION WITH RESPECT TO PROJECT DATUM ELEVATION 0'-0" (EL. 204.00' NAVD88 DATUM).
2. TOP OF STEEL TO BE (-6 1/4") FROM TOP OF SLAB ELEVATION UNLESS OTHERWISE NOTED THUS (-X") FROM TYPICAL TOP OF SLAB ELEVATION.
3. DENOTES SPAN DIRECTION OF 18 GA. 3" COMPOSITE METAL DECK SUPPORTING 3 1/4" LIGHT WEIGHT CONCRETE (6 1/4" TOTAL DEPTH). SEE DETAIL 1 ON S-005. MAXIMUM SINGLE UNSHORED SPAN = 11'-0"; DOUBLE SPAN = 13'-0".
4. [XX] — DENOTES TOTAL NUMBER OF EQUALLY-SPACED SHEAR STUDS. STUDS SHALL BE 3/4" DIAMETER x 5" LONG.
5. X X — DENOTES BEAM ULTIMATE LOAD REACTION IN KIPS. PROVIDE MIN. 2 BOLTS IN W8 AND W10 BEAMS; MIN 3 BOLTS IN W12 AND W14 BEAMS.
6. DENOTES MOMENT CONNECTION. SEE TYPICAL STEEL DETAILS ON S-008 & S-007.
7. SLAB OPENINGS, PITCH LINES, AND PENETRATIONS SHOWN SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING & SPRINKLER DRAWINGS. SEE ARCHITECTURAL SLAB EDGE DRAWINGS FOR BALANCE OF SLAB LAYOUT INFORMATION. SEE DETAIL 4 ON S-006 FOR METAL DECK REINFORCEMENT FOR SMALL MEPS PENETRATIONS. IF LARGER OR GROUPED PENETRATIONS ARE REQUIRED BASED ON FINAL TRADE LAYOUT AND COORDINTATION, ADDITIONAL STEEL FRAMING WILL BE REQUIRED.
8. DENOTES LOAD BEARING C.M.U. 12" THICK UNLESS OTHERWISE NOTED. SEE WALL DETAILS ON S-401 FOR WALL REINFORCEMENT. WALLS TO BE GROUTED SOLID U.O.N. SEE MASONRY GENERAL NOTES ON S-001 FOR BALANCE OF INFORMATION. PROVIDE MINIMUM REINFORCEMENT PER DETAIL 4 ON S-008 UNLESS OTHERWISE NOTED.
9. DENOTES NON-LOAD BEARING CMU PARTITION WALL. SEE ARCHITECTURAL DRAWINGS FOR BALANCE OF INFORMATION.
10. (L) — DENOTES LOW BEAM TO SUPPORT FACADE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND FACADE REQUIREMENTS.
11. BP-X — DENOTES STEEL BEARING PLATE FOR BEAM BEARING ON CMU WALL. WHERE PLATE NOT SHOWN, USE BP-1 TYPICAL. SEE DETAIL 1 ON S-008.
12. LC-X — DENOTES PRECAST LINTEL. SEE SCHEDULE ON S-301.
13. DENOTES LIGHTWEIGHT CONCRETE INFILL SURROUNDING DEPRESSED AREAS. SEE DETAIL 2 ON S-005, SIMILAR. COORDINATE FINAL TOPPING ELEVATIONS WITH ARCHITECTURAL DRAWINGS.
14. CJ — DENOTES CMU CONTROL JOINT. SEE DETAIL 5 ON S-008.
15. DENOTES PITCH LINE TO DRAIN. SEE ARCHITECTURAL SLAB EDGE DRAWINGS FOR BALANCE OF INFORMATION.
16. DENOTES MONOLITHIC CONCRETE POUR OF CONCRETE ON DECK WITH PITCH TO DRAINS. SEE ARCHITECTURAL SLAB EDGE PLAN FOR SLOPES AND AREAS OF INFILLS. DECK SHALL BE SHORED TO SUPPORT WET WEIGHT OF CONCRETE.
NOTE: IF CONCRETE PITCH IS NOT POURED MONOLITHICALLY WITH CONCRETE ON DECK AS SHOWN, ADDITIONAL CONCRETE WOULD LIKELY BE REQUIRED TO ACHIEVE PITCH TO DRAIN, WHICH WILL IMPACT STRUCTURE. PROPOSED CHANGES TO MONOLITHIC CONCRETE POUR SHALL BE SUBMITTED TO THE EOR AND ARCHITECT FOR REVIEW.
17. H.P. — DENOTES HIGH POINT FOR PITCH TO DRAIN. REFER TO ARCHITECTURAL SLAB EDGE DRAWINGS FOR BALANCE OF INFORMATION.
18. L.P. — DENOTES LOW POINT FOR PITCH TO DRAIN. REFER TO ARCHITECTURAL SLAB EDGE DRAWINGS FOR BALANCE OF INFORMATION.
19. MF-X — DENOTES MOMENT FRAME. SEE S-401 - S-403 FOR MOMENT FRAME ELEVATION DIAGRAMS.
20. HANGER AND DIAGONAL BRACE FACADE SUPPORTS PER DETAIL 12 ON S-006 ARE ASSUMED TO BE USED AT ALL HUNG LINTEL/SUSPENDED RELIEVING ANGLE LOCATIONS EXCEPT WHERE TUBE SUPPORTS ARE INDICATED ON PLAN. COORDINATE WITH ARCHITECT FOR FINAL FACADE SUPPORTS ALONG BUILDING PERIMETER. PROPOSED CHANGES SHALL BE SUBMITTED TO THE EOR FOR REVIEW.
21. DENOTES LOOSE LINTEL FOR FACADE SUPPORT. COORDINATE FINAL LOCATIONS OF LOOSE LINTELS WITH ARCHITECT. PROPOSED CHANGES SHALL BE SUBMITTED TO THE EOR FOR REVIEW.



EAST LOBBY CEILING PARTIAL FRAMING PLAN

3/32" = 1'-0"

10' 0' 10' 20'

GRAPHIC SCALE

ARCHITECT

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SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: SECOND FLOOR FRAMING PLAN
SHEET NUMBER: S-102

BID SET

DRAWN BY: AJ/DJ
CHECKED BY: JP/DM/MF
I:\ksq\Documents\Engineering Exercise\RSC-C4040.00_ntisasiaPNCEM.rvt
7/3/2025 11:59:39 AM

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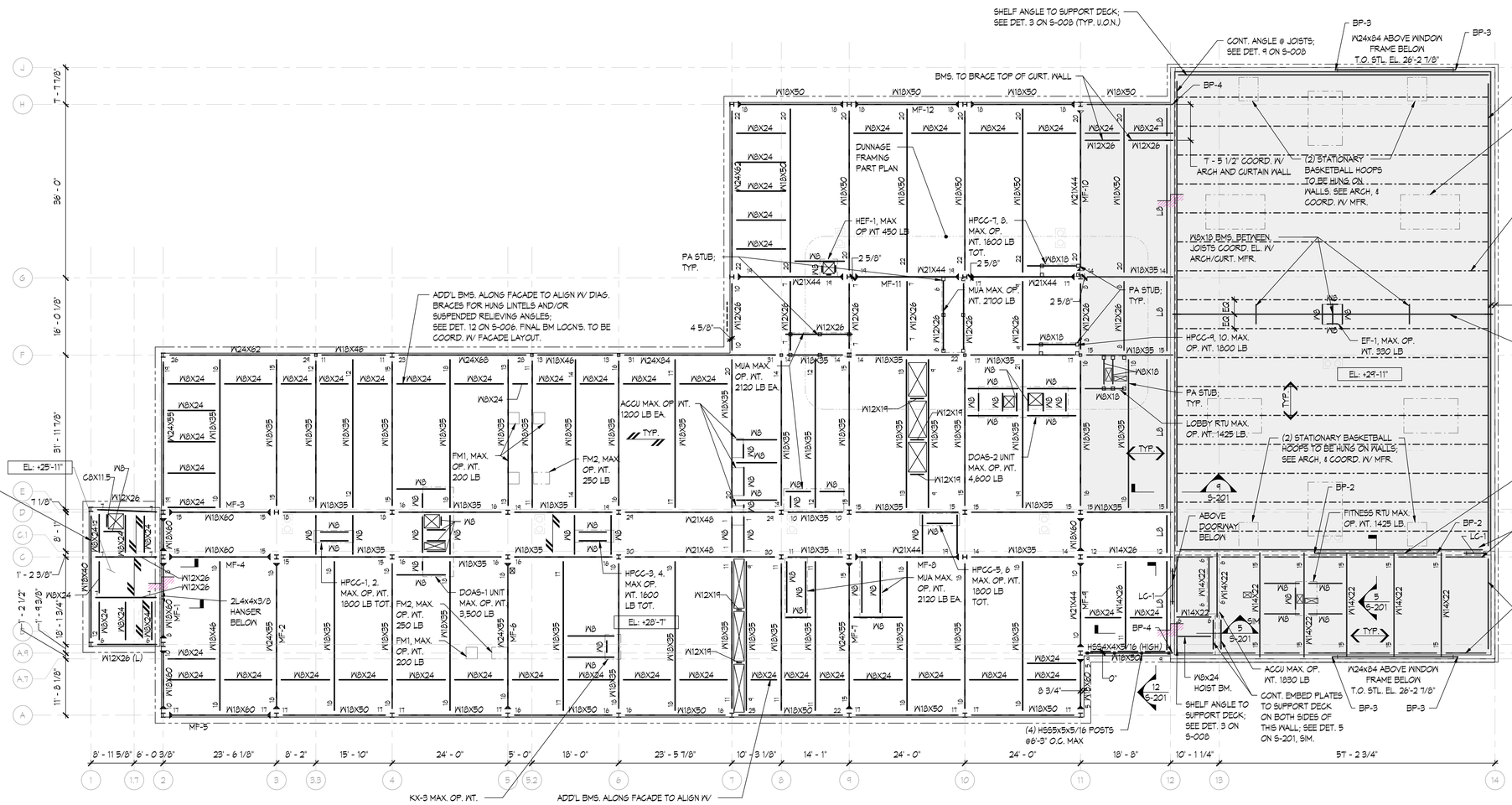
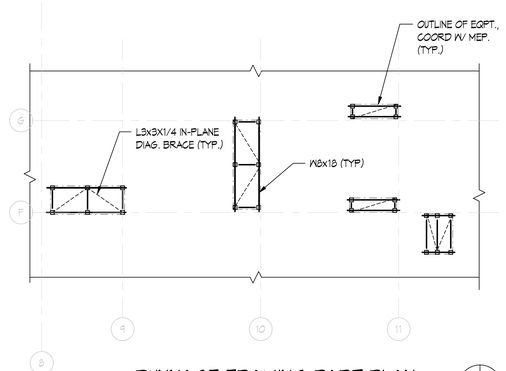


1 ROOF FRAMING PLAN

3/32" = 1'-0"

NOTES:

1. EL. XX'-XX" — DENOTES TOP OF SLAB ELEVATION WITH RESPECT TO PROJECT DATUM ELEVATION 0'-0" (EL. 204.00' NAVD88 DATUM).
2. TOP OF STEEL TO BE (-3") FROM TOP OF RESPECTIVE SLAB ELEVATION UNLESS OTHERWISE NOTED THUS (-X") FROM RESPECTIVE TOP OF SLAB ELEVATION.
3. DENOTES SPAN DIRECTION OF 18 GA. 3" GALVANIZED ROOF DECK. SEE DETAIL 2 ON S-006. MAXIMUM SINGLE SPAN = 10'-6"; DOUBLE SPAN = 12'-6".
4. DENOTES SPAN DIRECTION OF 18 GA. 3" GALVANIZED ACOUSTIC ROOF DECK. SEE DETAIL 2 ON S-006. SEE ARCHITECTURAL DRAWINGS FOR BALANCE OF ACOUSTIC INFORMATION. MAXIMUM SINGLE SPAN = 10'-6"; DOUBLE SPAN = 12'-6".
5. x x — DENOTES BEAM ULTIMATE LOAD REACTION IN KIPS. PROVIDE MIN. 2 BOLTS IN W8 AND W10 BEAMS; MIN 3 BOLTS IN W12 AND W14 BEAMS.
6. DENOTES MOMENT CONNECTION. SEE TYPICAL STEEL DETAILS ON S-006 AND S-007.
7. DENOTES PREFABRICATED LONG-SPAN OPEN WEB STEEL JOIST BY NEW MILLENIUM (OR APPROVED EQUAL). SEE DETAIL 3 ON S-006 AND 9 ON S-008. SEE S-009 FOR JOIST LOADING DIAGRAMS.
8. (L) — DENOTES LOW BEAM TO SUPPORT FACADE. COORDINATE WITH ARCHITECTURAL DRAWINGS AND FACADE REQUIREMENTS.
9. SLAB OPENINGS AND PENETRATIONS SHOWN SHALL BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING & SPRINKLER DRAWINGS. SEE ARCHITECTURAL SLAB EDGE DRAWINGS FOR BALANCE OF SLAB LAYOUT INFORMATION. SEE DETAIL 4 ON S-006 FOR METAL DECK REINFORCEMENT FOR SMALL MEPS PENETRATIONS. IF LARGER OR GROUPED PENETRATIONS ARE REQUIRED BASED ON FINAL TRADE LAYOUT AND COORDINATION, ADDITIONAL STEEL FRAMING WILL BE REQUIRED.
10. BP-X — DENOTES STEEL BEARING PLATE FOR BEAM BEARING ON CMU WALL. WHERE PLATE NOT SHOWN, USE BP-1 TYPICAL. SEE DETAIL 1 ON S-008.
11. LC-X — DENOTES PRECAST LINTEL. SEE SCHEDULE ON S-301.
12. W8 — DENOTES W8x10 STEEL BEAM. DESIGN BEAM CONNECTIONS FOR MINIMUM 5 KIP ULTIMATE REACTION. PROVIDE MINIMUM 2 BOLTS PER CONNECTION. LOCATIONS OF BEAMS SUPPORTING EQUIPMENT TO BE COORDINATED WITH FINAL EQUIPMENT/CURB SIZE AND LOCATIONS.
13. LB — DENOTES L8x6x7/16 LLH. SEE SECTION 9 ON S-201.
14. PA — DENOTES HSS 4X4X1/4 DUNNAGE POST ABOVE TO ALLOW 12" MIN CLEAR FROM TOP OF ROOFING TO UNDERSIDE OF EQUIPMENT PER MEP REQ'S. SEE DETAIL 13 ON S-007. REFER TO DUNNAGE FRAMING PLAN ON S-103 FOR BALANCE OF INFO. POSTS SHALL BE CENTERED ON SUPPORTING BEAMS. COORDINATE WITH FINAL EQUIPMENT LOCATIONS.
15. MF-X — DENOTES MOMENT FRAME. SEE S-401 - S-403 FOR MOMENT FRAME ELEVATION DIAGRAMS.
16. HANGER AND DIAGONAL BRACE FACADE SUPPORTS PER DETAIL 12 ON S-006 ARE ASSUMED TO BE USED AT ALL HUNG LINTEL/SUSPENDED RELIEVING ANGLE LOCATIONS EXCEPT WHERE TUBE SUPPORTS ARE INDICATED ON PLAN. COORDINATE WITH ARCHITECT FOR FINAL FACADE SUPPORTS ALONG BUILDING PERIMETER. PROPOSED CHANGES SHALL BE SUBMITTED TO THE EOR FOR REVIEW.
17. ------- — DENOTES LOOSE LINTEL FOR FACADE SUPPORT. COORDINATE FINAL LOCATIONS OF LOOSE LINTELS WITH ARCHITECT. PROPOSED CHANGES SHALL BE SUBMITTED TO THE EOR FOR REVIEW.



2 DUNNAGE FRAMING PART PLAN

3/32" = 1'-0"

NOTES:

1. COORDINATE BEAM ELEVATIONS WITH ARCHITECTURAL AND MEP REQUIREMENTS. TOP OF STEEL 3'-2" ABOVE ROOF STRUCTURE U.O.N.
2. REFER TO TYPICAL DUNNAGE DETAIL 13 ON S-007 FOR BALANCE OF INFORMATION.
3. ALL EXPOSED STEEL FRAMING SHALL BE HOT-DIP GALVANIZED.

10' 0' 10' 20'

GRAPHIC SCALE

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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: ROOF AND DUNNAGE FRAMING PLANS
SHEET NUMBER: S-103

BID SET

DRAWN BY JA/RV
CHECKED BY JA/RV
P:\KSQ\Active\Working Stations\P23-C4040.00_Rockland\R24.rvt
7/3/2025 11:59:51 AM
PROJECT NUMBER: C4040.00
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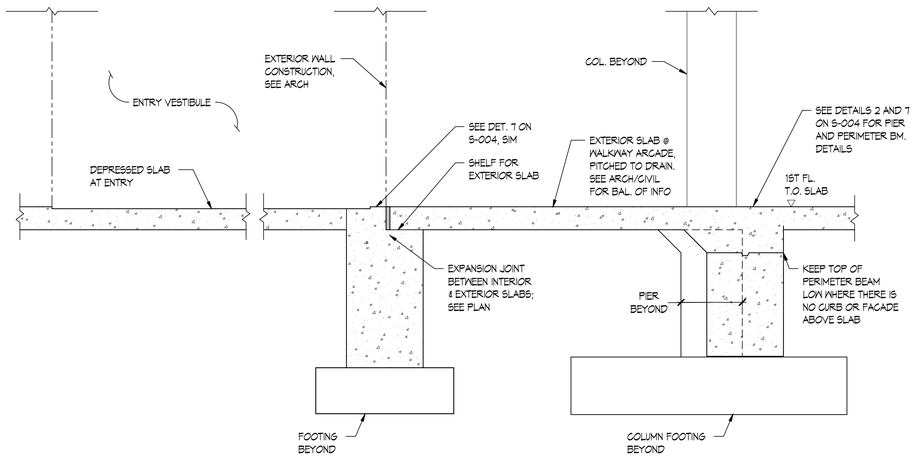
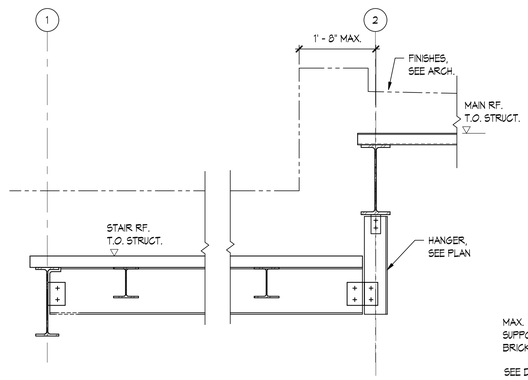
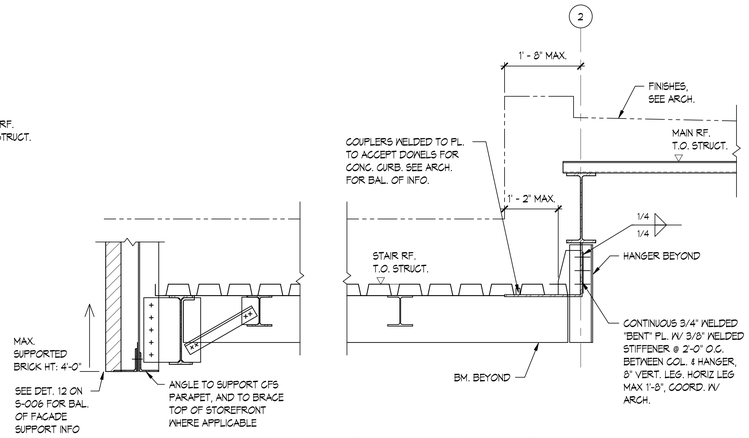


1 SECTION AT EAST LOBBY ENTRY
3/4" = 1'-0"

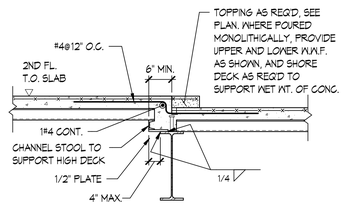
NOTE: REBAR OMITTED FOR CLARITY.



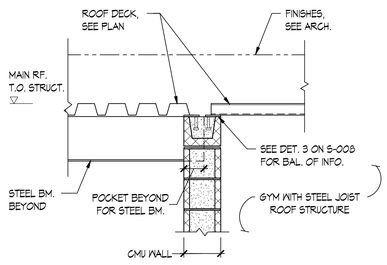
2 SECTION AT ROOF OVER NORTH STAIR
3/4" = 1'-0"



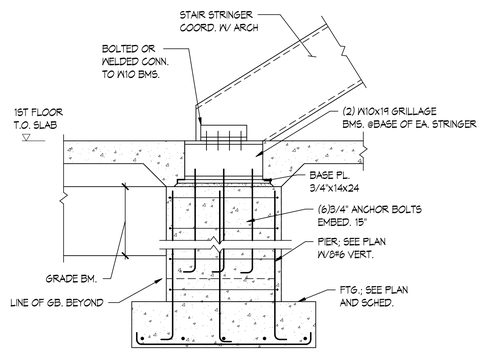
3 SECTION AT ROOF OVER NORTH STAIR BETWEEN COLUMNS AND HANGER
3/4" = 1'-0"



4 SECTION AT SLAB STEP AT BEAM CENTERLINE
3/4" = 1'-0"

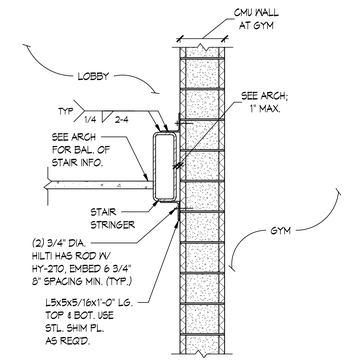


5 SECTION AT CMU WALL AT ROOF WITH NO PARAPET
3/4" = 1'-0"

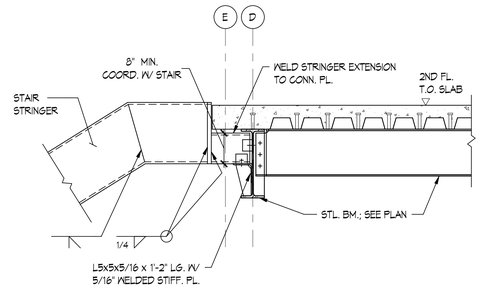


6 STAIR AT BASE OF LOBBY STAIR STRINGER
3/4" = 1'-0"

NOTE: SEE TYPICAL DETAILS FOR BALANCE OF INFORMATION.

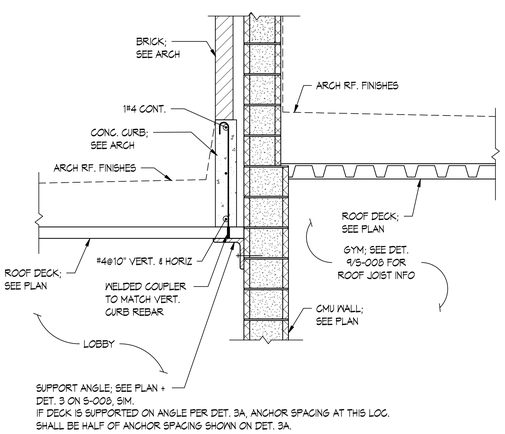


7 SECTION AT LOBBY STAIR STRINGER CONNECTION TO CMU WALL
3/4" = 1'-0"

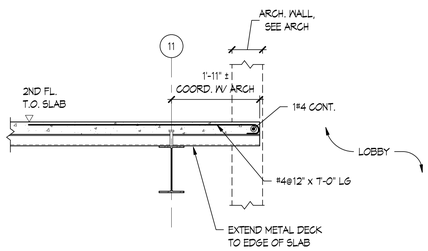


8 SECTION @ LOBBY STAIR CONNECTION TO SECOND FLOOR
3/4" = 1'-0"

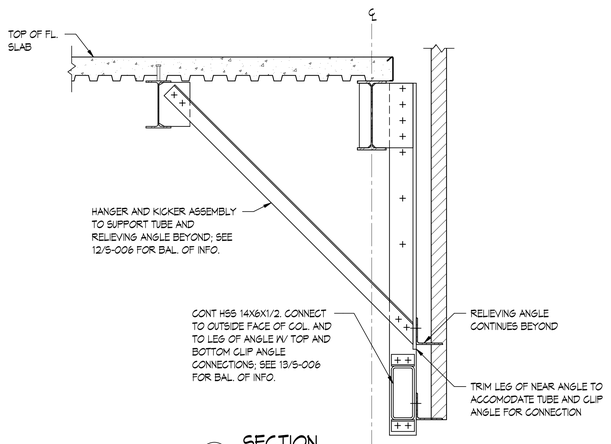
NOTE: SEE TYPICAL STEEL AND SLAB DETAILS FOR BALANCE OF INFORMATION.



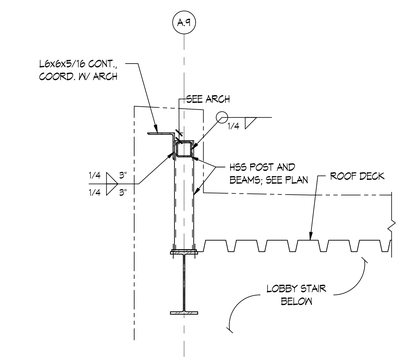
9 SECTION @ ROOF SLAB STEP BETWEEN GYM AND LOBBY
3/4" = 1'-0"



10 SECTION @ LOBBY
3/4" = 1'-0"



11 SECTION
3/4" = 1'-0"



12 SECTION AT WEST LOBBY ROOF
3/4" = 1'-0"

ARCHITECT

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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 3/4" = 1'-0"

SHEET NAME:
SECTIONS 1

SHEET NUMBER:
S-201

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/DM
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7/3/2025 11:59:59 AM

PROJECT NUMBER: C4040.00

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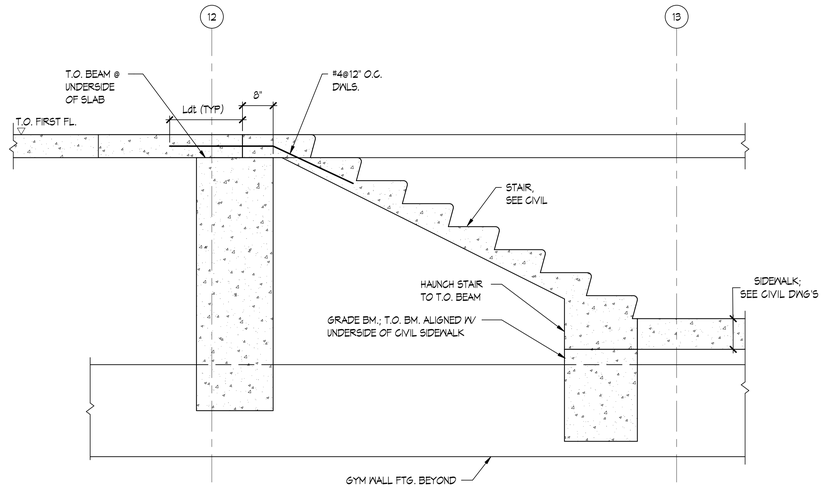
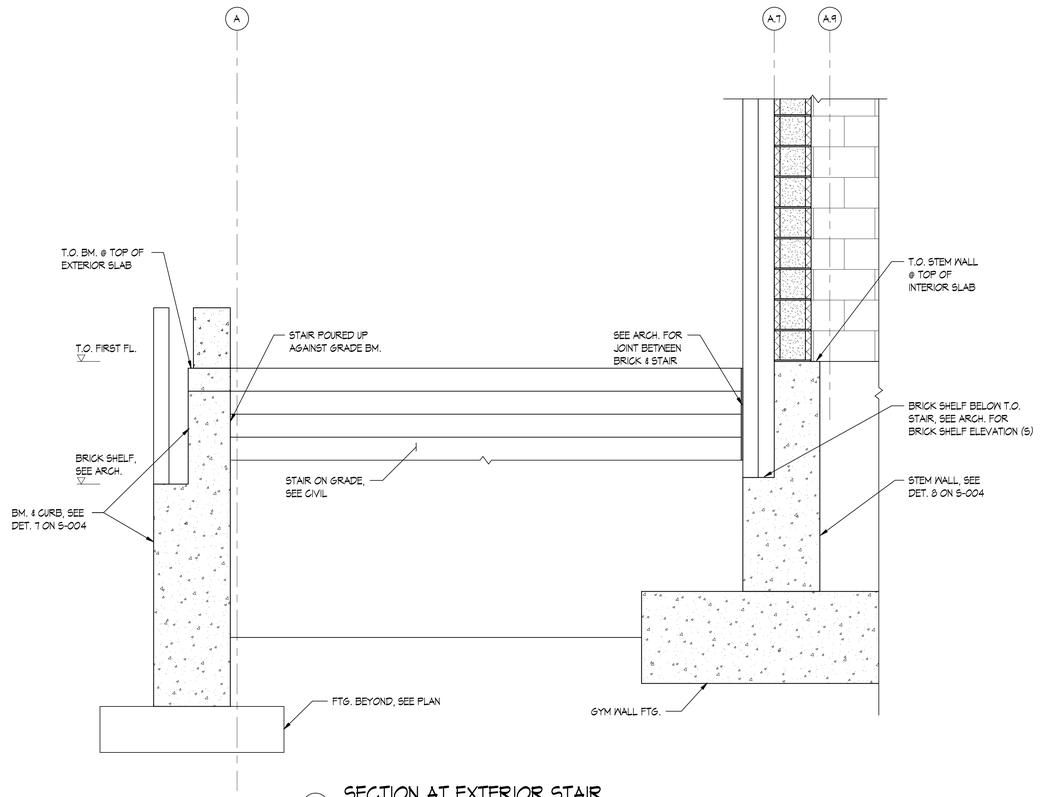


1 SECTION AT EXTERIOR STAIR
3/4" = 1'-0"



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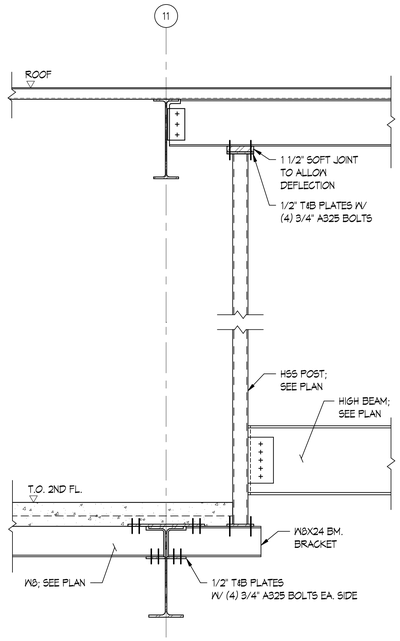
3/4" = 1'-0"



3 SECTION AT EAST LOBBY
3/4" = 1'-0"

ARCHITECT

ksqdesign

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 3/4" = 1'-0"
SHEET NAME:
SECTIONS 2

SHEET NUMBER:
S-202

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CHECKED BY: JH/DV
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CONCRETE GRADE BEAM SCHEDULE

BEAM NO.	SIZE (WIDTH x DEPTH)	REINFORCEMENT CL SUPPORTS	STIRRUPS TYPE	STIRRUPS SPACING FROM EACH END	REMARKS/ NOTES
GB-01	30x24	4#7 / 4#7	2 LEGS	#3 @ 10" O.C.	2#7 SKIN REINF. EA SIDE
GB-02	30x24	4#7 / 4#7	2 LEGS	#3 @ 7" O.C.	2#7 SKIN REINF. EA SIDE
GB-03	18x18	3#6 / 3#6	2 LEGS	#3 @ 10" O.C.	1#6 SKIN REINF. EA SIDE

LOOSE LINTEL SCHEDULE FOR MASONRY WALLS

WALL THICKNESS	UNDER 4'-0" OPNG.	4'-0" TO 8'-0" OPNG.
4"	L1 (1L 4x3 1/2x5/16")	L2 (1L 4x3 1/2x3/8")
6"	L3 (* 1L 5x3 1/2x5/16")	L4 (1L 5x5x3/8")
8"	L6 (2Ls 4x3x5/16")	L7 (2Ls 4x3x3/8")
10"	2Ls 4x4x3/8"	2Ls 4x4x5/8"
12"	2Ls 5x5x3/8"	2Ls 5x5x5/8"

NOTES:

1. * PLACE LONG LEG HORIZONTAL.
2. ADD ANGLES AS REQUIRED FOR MASONRY BACK-UP WALL.
3. LOOSE LINTEL SCHEDULE TO BE USED ONLY WHERE NOT OTHER INDICATED.
4. FOR MASONRY OPENING GREATER THAN 6' FIRE PROOF LINTEL OR PROVIDE INTERMEDIATE SUPPORTS.

BOND BEAM SCHEDULE

MASONRY OPENING	REINFORCING As	STANDARD MASONRY BLOCK (bxh)
UP TO 4'	1#4	8x8, d = 4 3/4"
UP TO 6'	1#5	8x8, d = 4 3/4"
UP TO 8'	1#5	8x16, d = 12 3/8"

NOTES:

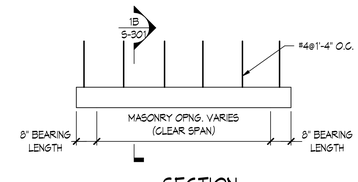
1. MINIMUM BEARING LENGTH SHALL BE 8".
2. THIS SCHEDULE IS VALID FOR 8" MASONRY WALL. FOR 12" WALL, USE 12" WIDE BLOCK AND DOUBLE THE REINFORCING.
3. BOND BEAMS ARE NOT DESIGNED TO TAKE ANY FLOOR LOAD.
4. BOND BEAM SHALL BE SHORED BEFORE IT REACHES FULL STRENGTH.
5. BLOCK DIMENSIONS ABOVE ARE NOMINAL.

PRECAST CONCRETE LINTEL SCHEDULE AT BEARING WALLS

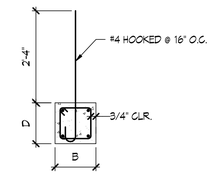
TYPE	DESCRIPTION	SIZE (IN.) BxD	TOP REINF.	BOTTOM REINF.	STIRRUP
LC-1	MAX. CLEAR SPAN 6'-6" (10" WALL)	10x12	2#6	2#6	#3@4 1/2"
LC-2	MAX. CLEAR SPAN 6'-8" (12" WALL)	12x12	2#6	2#6	#3@4 1/2"
LC-3	MAX. CLEAR SPAN 8'-4" (12" WALL)	12x16	3#6	3#6	#3@6"

NOTES:

1. PRECAST LINTEL CONCRETE SHALL BE 6,000 psi MIN.
2. PROVIDE 180 DEGREE HOOK AT EACH END OF #6 BARS AND SMALLER.
3. PROVIDE MINIMUM 8" BEARING AT EACH END OF LINTEL.



1A SECTION
N.T.S.



1B SECTION
N.T.S.

COLUMN SCHEDULE (1 OF 3)

COLUMN / FLOOR	FLOOR HEIGHT	A/2	A/3	A/4	A/5	A/6	A/7	A/9	A/10	A/11	A1.7/11	B/1	B/2	C/1	C/2	C/3	C/4	C/5	COLUMN / FLOOR
ROOF																			ROOF
2ND	VARIES	7 5 W10X49	17 12 W10X49	17 12 W10X49	17 12 W10X49	18 12 W10X49	18 12 W10X49	18 12 W10X49	23 12 W10X49	10 4 W10X49	10 7 W10X49	6 4 W10X49	8 6 W10X49		13 10 W10X49	21 15 W10X49	23 16 W10X49	21 15 W10X49	2ND
1ST	16'-0"	31 10 W10X49	64 22 W10X49	65 22 W10X49	63 22 W10X49	64 22 W10X49	67 21 W10X49	67 22 W10X49	71 22 W10X49	32 9 W10X49	35 16 W10X49	14 10 W10X49	20 16 W10X49	12 4 HSS6X6X3/8	36 21 W10X49	64 30 W10X49	66 30 W10X49	64 29 W10X49	1ST
PIER (P) OR BUTTRESS (B)		(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6		(P) 16"x16" 4#6			PIER (P) OR BUTTRESS (B)
BASEPLATE (T x W x H)		3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	1/2"x12"x12"	3/4"x12"x12"	1/2"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	BASEPLATE (T x W x H)
FLOOR / COLUMN	FLOOR HEIGHT	A/2	A/3	A/4	A/5	A/6	A/7	A/9	A/10	A/11	A1.7/11	B/1	B/2	C/1	C/2	C/3	C/4	C/5	FLOOR / COLUMN

COLUMN SCHEDULE (2 OF 3)

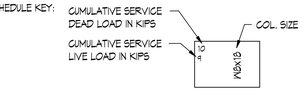
COLUMN / FLOOR	FLOOR HEIGHT	C/6	C/8	C/9	C/10	C/11	D/2	D/3	D/4	D/5	D/6	D/8	D/9	D/10	D/11	E/1	F/1.7	F/2	F/3.3	F/4	F/5.2	COLUMN / FLOOR
ROOF																						ROOF
2ND	VARIES	27 19 W10X49	25 16 W10X49	16 12 W10X49	33 16 W10X49	21 12 W10X49	19 9 W10X49	21 15 W10X49	25 16 W10X49	22 15 W10X49	27 18 W10X49	25 15 W10X49	16 12 W10X49	24 16 W10X49	20 15 W10X49	6 4 W10X49		13 9 W10X49	17 12 HSS6X6X1/2	17 11 W10X49	17 12 HSS6X6X1/2	2ND
1ST	16'-0"	78 35 W10X49	64 30 W10X49	54 25 W10X49	78 30 W10X49	52 21 W10X49	43 24 W10X49	64 30 W10X49	61 30 W10X49	65 24 W10X49	74 34 W10X49	61 32 W10X49	55 24 W10X49	63 34 W10X49	48 31 W10X49	26 8 W10X49		78 36 W10X49	84 40 HSS6X6X1/2	63 40 W10X49	83 38 HSS6X6X1/2	1ST
PIER (P) OR BUTTRESS (B)		(P) 16"x16" 4#6	(P) 16"x16" 4#6				(P) 16"x16" 4#6						(P) 16"x16" 4#6			(B) 16"x16" 4#6	(B) 16"x16" 4#6	(P) 16"x16" 4#6			(P) 16"x16" 4#6	PIER (P) OR BUTTRESS (B)
BASEPLATE (T x W x H)		3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	1/2"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	1 1/4"x12"x12"	3/4"x12"x12"	1 1/4"x12"x12"	BASEPLATE (T x W x H)
FLOOR / COLUMN	FLOOR HEIGHT	C/6	C/8	C/9	C/10	C/11	D/2	D/3	D/4	D/5	D/6	D/8	D/9	D/10	D/11	E/1	F/1.7	F/2	F/3.3	F/4	F/5.2	FLOOR / COLUMN

COLUMN SCHEDULE (3 OF 3)

COLUMN / FLOOR	FLOOR HEIGHT	F/6	F/8	F/9	F/10	F/11	G/1.7	G/2	G/3	G/4	G/5	G/6	G/7	G/9	G/10	G/11	H/7	H/9	H/10	H/11	COLUMN / FLOOR
ROOF																					ROOF
2ND	VARIES	20 14 HSS6X6X1/2	23 16 HSS6X6X1/2	22 15 W10X49	26 18 HSS6X6X1/2	28 19 HSS6X6X3/8							14 10 W10X49	28 19 W10X49	28 19 W10X49	28 19 W10X49	10 7 W10X49	18 13 W10X49	18 13 W10X49	18 13 W10X49	2ND
1ST	16'-0"	84 45 HSS6X6X1/2	82 40 HSS6X6X1/2	64 32 W10X49	74 37 HSS6X6X1/2	52 24 HSS6X6X3/8	28 9 W10X49	24 12 W10X49	37 20 W10X49	37 20 W10X49	37 18 W10X49	36 18 W10X49	74 34 W10X49	81 42 W10X49	82 41 W10X49	51 31 W10X49	47 17 W10X49	70 28 W10X49	66 28 W10X49	48 23 W10X49	1ST
PIER (P) OR BUTTRESS (B)							(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6			(P) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	(B) 16"x16" 4#6	PIER (P) OR BUTTRESS (B)
BASEPLATE (T x W x H)		1 1/4"x12"x12"	1 1/4"x12"x12"	3/4"x12"x12"	1 1/4"x12"x12"	1 1/4"x12"x12"	1/2"x12"x12"	1/2"x12"x12"	1/2"x12"x12"	1/2"x12"x12"	1/2"x12"x12"	1/2"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	3/4"x12"x12"	BASEPLATE (T x W x H)
FLOOR / COLUMN	FLOOR HEIGHT	F/6	F/8	F/9	F/10	F/11	G/1.7	G/2	G/3	G/4	G/5	G/6	G/7	G/9	G/10	G/11	H/7	H/9	H/10	H/11	FLOOR / COLUMN

NOTES:

1. COLUMN SCHEDULE KEY:



2. INDICATES COLUMN IS PART OF A LATERAL MOMENT FRAME. SEE MOMENT FRAME ELEVATIONS ON S-401 THROUGH S-403 FOR LATERAL COLUMN LOADS.

ARCHITECT

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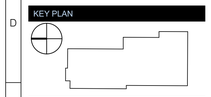
ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

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DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: SCHEDULES
SHEET NUMBER: S-301

BID SET

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CHECKED BY: JH/DM
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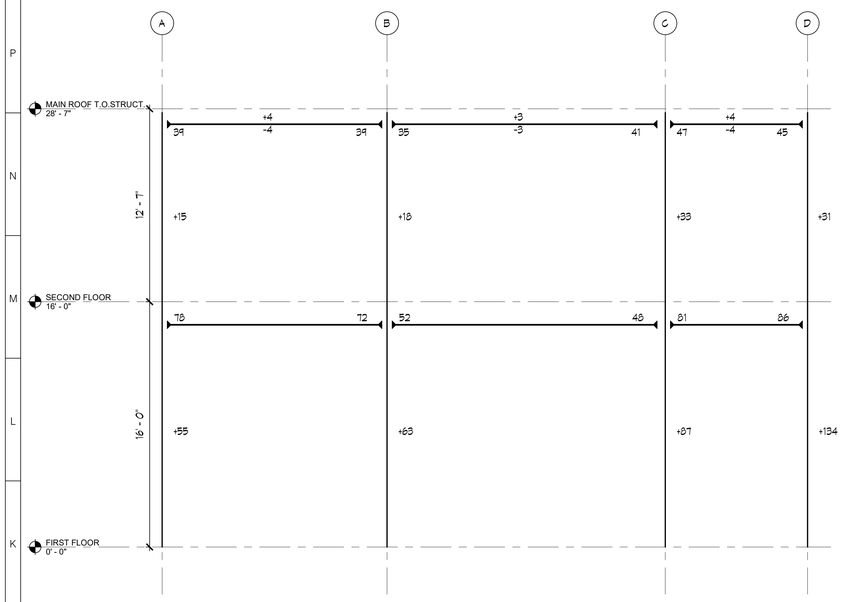

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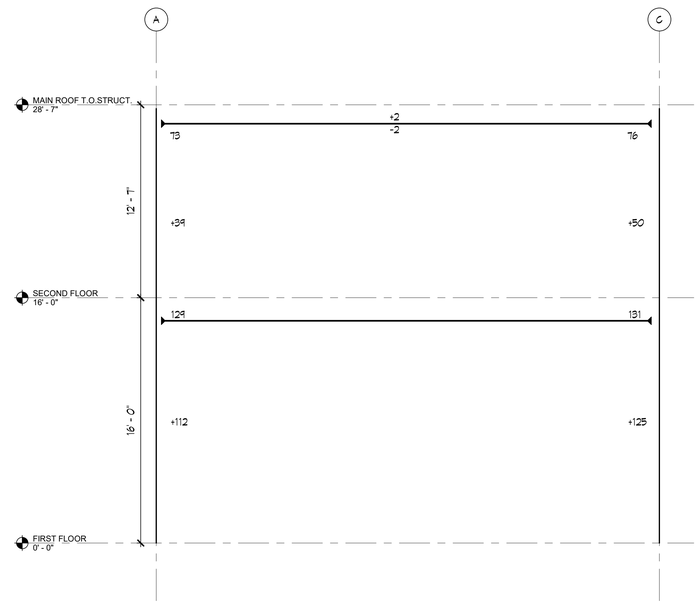
1/4" = 1'-0"



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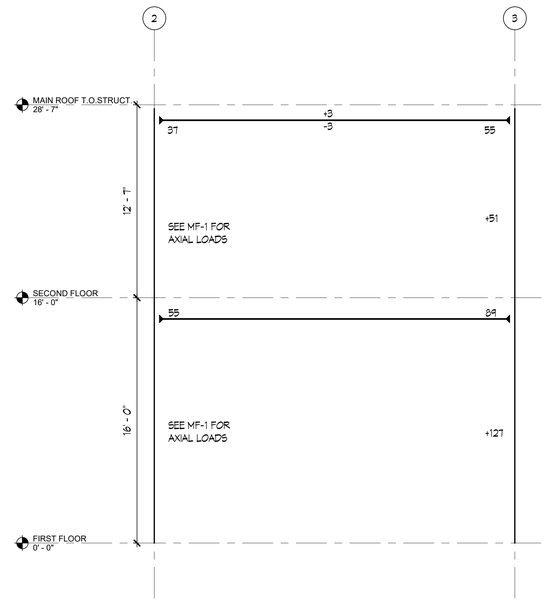

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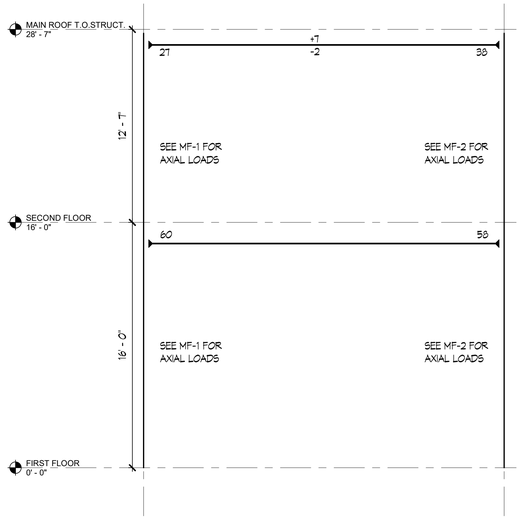

4 FRAME MF-4 ON GRID C
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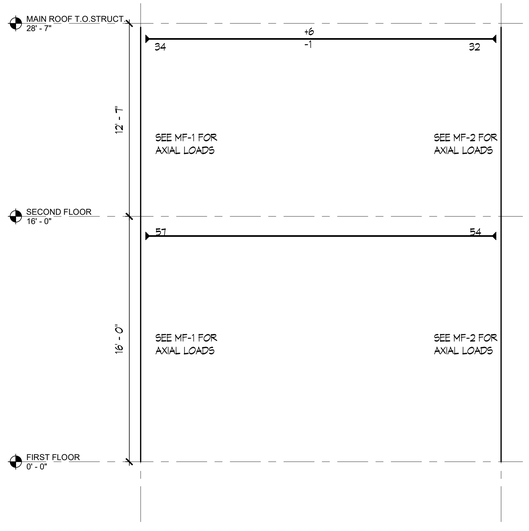

5 FRAME MF-5 ON GRID A
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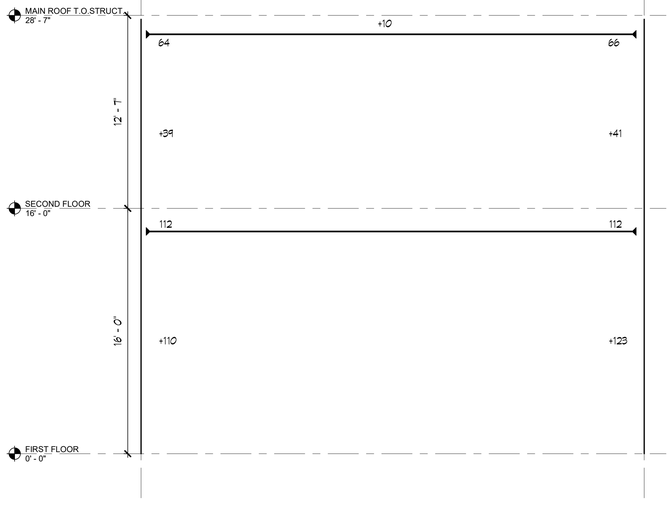

6 FRAME MF-6 ON GRID 5
1/4" = 1'-0"

NOTES:

1. MEMBER FORCES SHOWN ARE ULTIMATE AXIAL LOADS IN KIPS. AT MOMENT CONNECTION MEMBER FORCES SHOWN ARE ULTIMATE BEAM END MOMENTS IN KIP-FEET.

2. "+" DENOTES COMPRESSION FORCE.
"-" DENOTES TENSION FORCE.

3. DESIGN BEAM CONNECTIONS AND COLUMN TENSION SPLICES FOR MEMBER FORCES SHOWN AND GRAVITY LOAD REACTION SHOWN ON PLAN.

4. DESIGN COLUMN COMPRESSION SPLICES FOR FULL COMPRESSION CAPACITY OF COLUMNS.

5. ALL MEMBER FORCES SHOWN REPRESENT THE MOST UNFAVORABLE LOADING CONDITION FOR A GIVEN MEMBER.

6. FLOOR -TO- FLOOR HEIGHTS SHOWN ARE TYPICAL AND MAY VARY AT SOME LOCATIONS. SEE PLANS FOR ACTUAL STEEL ELEVATIONS.

7. ⊢ DENOTES MOMENT CONNECTION.

ARCHITECT

ksqdesign

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Owner

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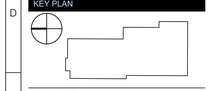

REVISIONS

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DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: MOMENT FRAME ELEVATIONS 1
SHEET NUMBER: S-401

BID SET

DRAWN BY: AJW
CHECKED BY: JDW
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7/3/2025 12:00:21 PM

PROJECT NUMBER: C4040.00
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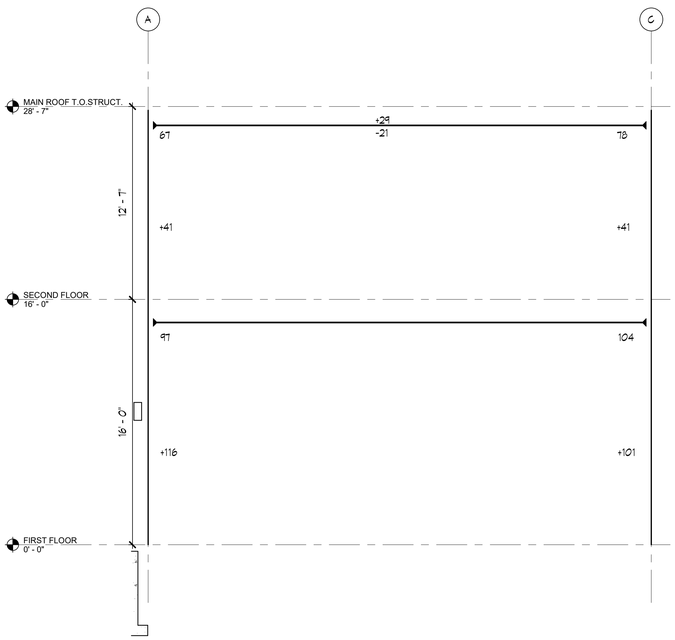
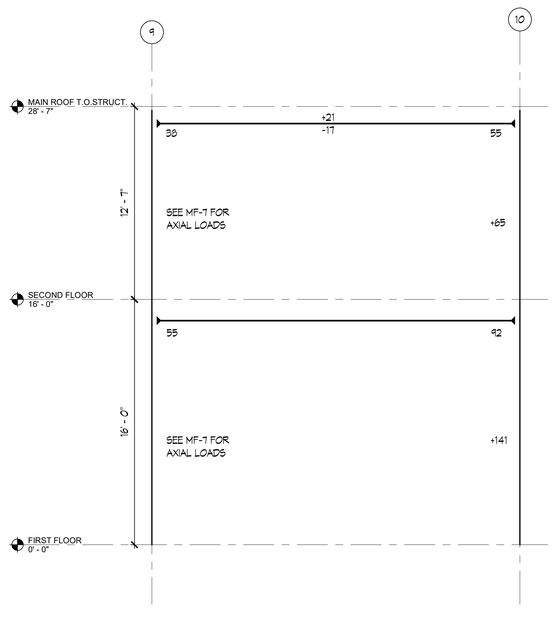
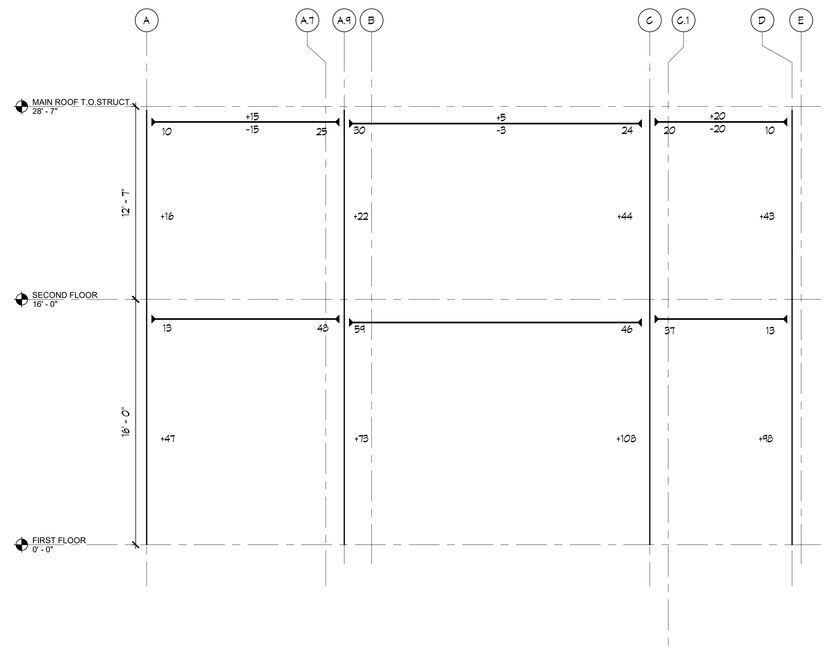


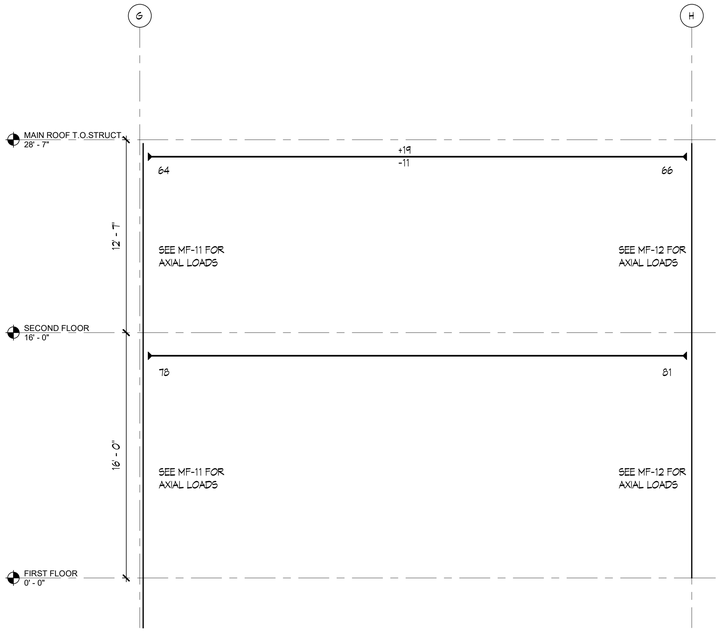
1 FRAME MF-7 ON GRID 9
1/4" = 1'-0"



2 FRAME MF-8 ON GRID C
1/4" = 1'-0"



3 FRAME MF-9 ON GRID 11
1/4" = 1'-0"



4 FRAME MF-10 ON GRID 11
1/4" = 1'-0"

NOTES:

1. MEMBER FORCES SHOWN ARE ULTIMATE AXIAL LOADS IN KIPS. AT MOMENT CONNECTION MEMBER FORCES SHOWN ARE ULTIMATE BEAM END MOMENTS IN KIP-FEET.

2. "+" DENOTES COMPRESSION FORCE.
"-" DENOTES TENSION FORCE.

3. DESIGN BEAM CONNECTIONS AND COLUMN TENSION SPLICES FOR MEMBER FORCES SHOWN AND GRAVITY LOAD REACTION SHOWN ON PLAN.

4. DESIGN COLUMN COMPRESSION SPLICES FOR FULL COMPRESSION CAPACITY OF COLUMNS.

5. ALL MEMBER FORCES SHOWN REPRESENT THE MOST UNFAVORABLE LOADING CONDITION FOR A GIVEN MEMBER.

6. FLOOR -TO- FLOOR HEIGHTS SHOWN ARE TYPICAL AND MAY VARY AT SOME LOCATIONS. SEE PLANS FOR ACTUAL STEEL ELEVATIONS.

7. ▶— DENOTES MOMENT CONNECTION.

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ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrot Rd,
West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: MOMENT FRAME ELEVATIONS 2
SHEET NUMBER: S-402

BID SET

DRAWN BY: Author
CHECKED BY: Checker
C:\Revit models\Importing Sources\RDS-C4040.00_rvtcentral_R23.rvt
7/3/2025 12:00:28 PM

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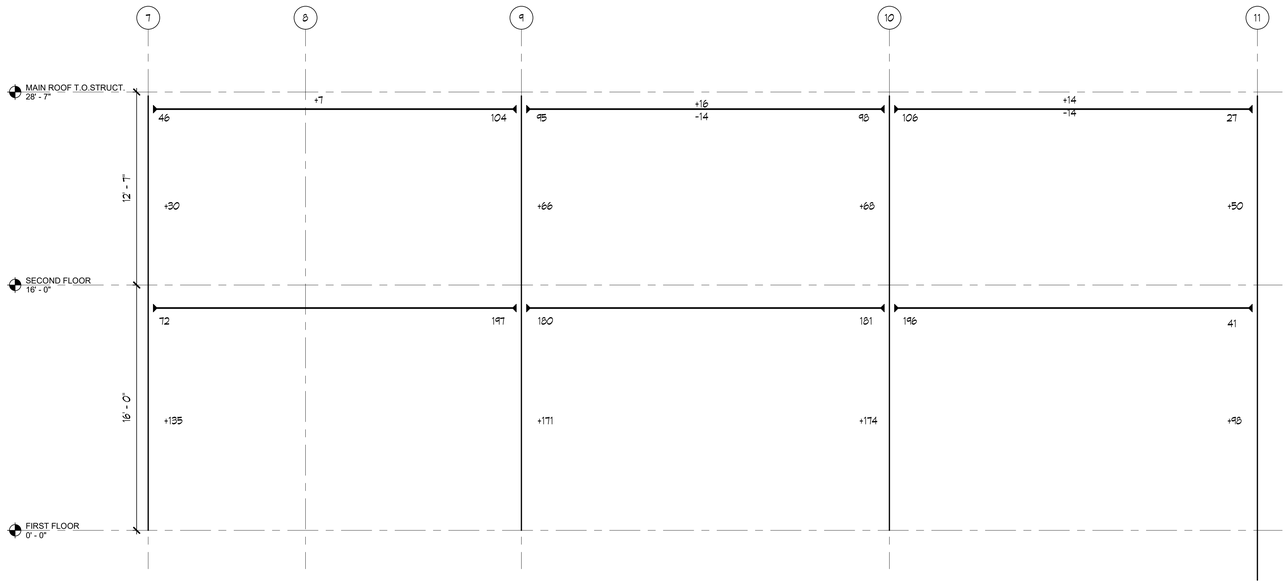
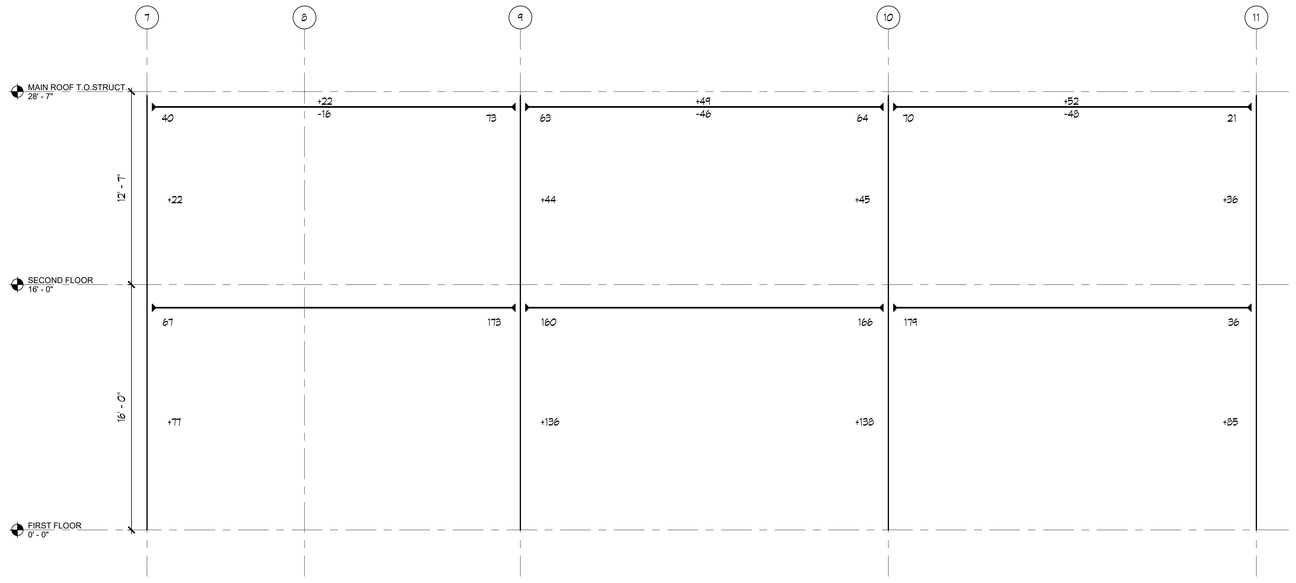


1 FRAME MF-11 ON GRID G

1/4" = 1'-0"



2 FRAME MF-12 ON GRID H

1/4" = 1'-0"

NOTES:

1. MEMBER FORCES SHOWN ARE ULTIMATE AXIAL LOADS IN KIPS. AT MOMENT CONNECTION MEMBER FORCES SHOWN ARE ULTIMATE BEAM END MOMENTS IN KIP-FEET.
2. "+" DENOTES COMPRESSION FORCE.
   "-" DENOTES TENSION FORCE.
3. DESIGN BEAM CONNECTIONS AND COLUMN TENSION SPLICES FOR MEMBER FORCES SHOWN AND GRAVITY LOAD REACTION SHOWN ON PLAN.
4. DESIGN COLUMN COMPRESSION SPLICES FOR FULL COMPRESSION CAPACITY OF COLUMNS.
5. ALL MEMBER FORCES SHOWN REPRESENT THE MOST UNFAVORABLE LOADING CONDITION FOR A GIVEN MEMBER.
6. FLOOR -TO- FLOOR HEIGHTS SHOWN ARE TYPICAL AND MAY VARY AT SOME LOCATIONS. SEE PLANS FOR ACTUAL STEEL ELEVATIONS.
7. ▶— DENOTES MOMENT CONNECTION.

ARCHITECT

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SED #: 50-90-00-00-0-044-001

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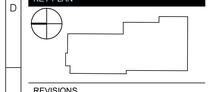
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: MOMENT FRAME ELEVATIONS 3
SHEET NUMBER: S-403

BID SET

DRAWN BY: AJOV
CHECKED BY: JDriver
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7/3/2025 12:00:39 PM

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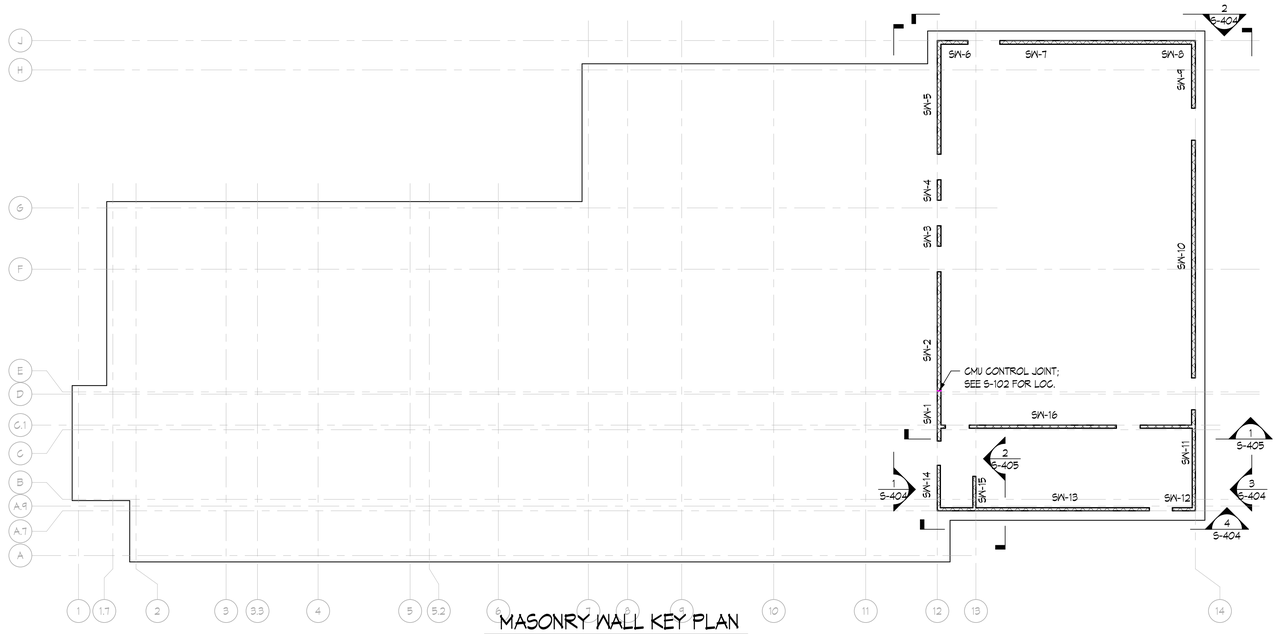
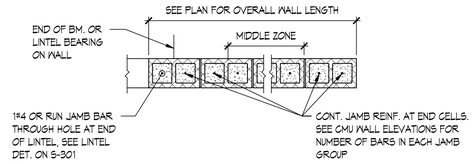


MASONRY WALL KEY PLAN

1/16" = 1'-0"



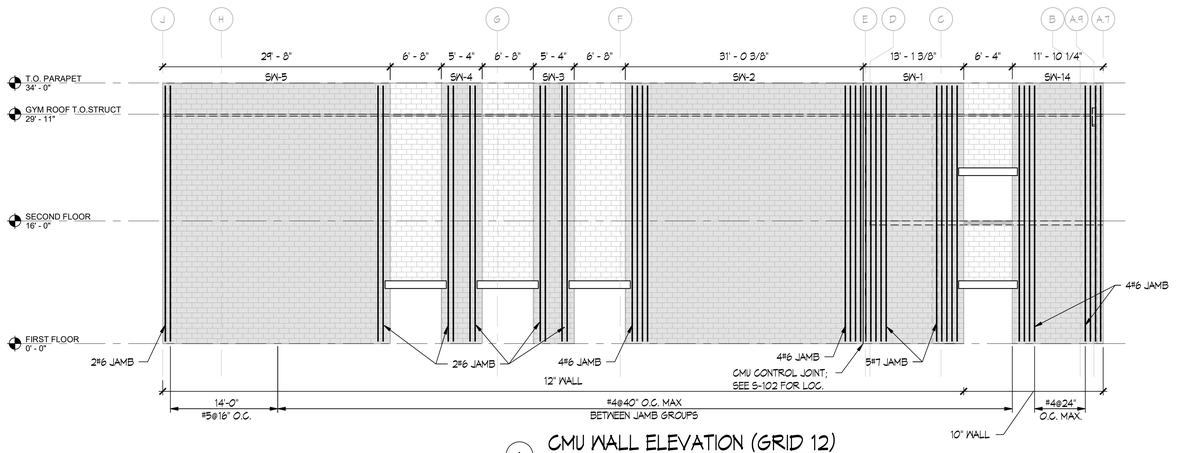
TYPICAL CMU SHEAR WALL REBAR LAYOUT

3/4" = 1'-0"

NOTE: SEE PLAN, TYPICAL DETAILS AND WALL ELEVATIONS FOR MIDDLE ZONE REINFORCEMENT AND GROUT SPACING.

CMU WALL ELEVATION NOTES:

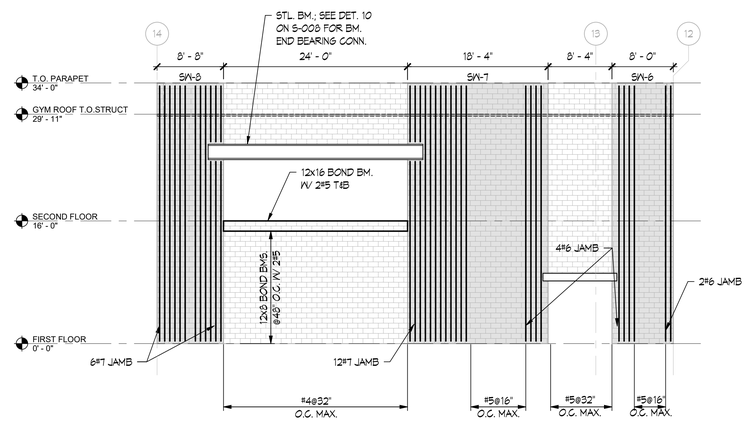
1. SW-XX DENOTES MASONRY SHEAR WALL.
2. X#X JAMB DENOTES NUMBER AND SIZE OF VERTICAL REINFORCEMENT IN JAMB GROUP AT END OF SHEAR WALL OR ADJACENT TO WALL OPENING. TYPICAL PLACEMENT OF JAMB REINFORCEMENT IS ONE REBAR PER FULLY-GROUTED CELL @8" O.C. START REINFORCEMENT IN THE FIRST FULL CELL. COORDINATE JAMB BAR PLACEMENT WITH LINTELS PER DET. 1 ON S-401.
3. TYPICAL WALL BOND BEAMS AND HORIZONTAL REINFORCEMENT NOT SHOWN. SEE MASONRY NOTES AND TYPICAL DETAILS FOR BALANCE OF WALL INFORMATION.
4. SEE SCHEDULE ON S-003 FOR MASONRY SPLICE LENGTHS.
5. WALL THICKNESS VARIES, SEE PLAN AND WALL ELEVATIONS.
6. COORDINATE FINAL MASONRY OPENING DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
7. ADDITIONAL OPENINGS IN MASONRY WALLS SHALL BE SUBMITTED TO EOR FOR REVIEW.



1 CMU WALL ELEVATION (GRID 12)

1/8" = 1'-0"

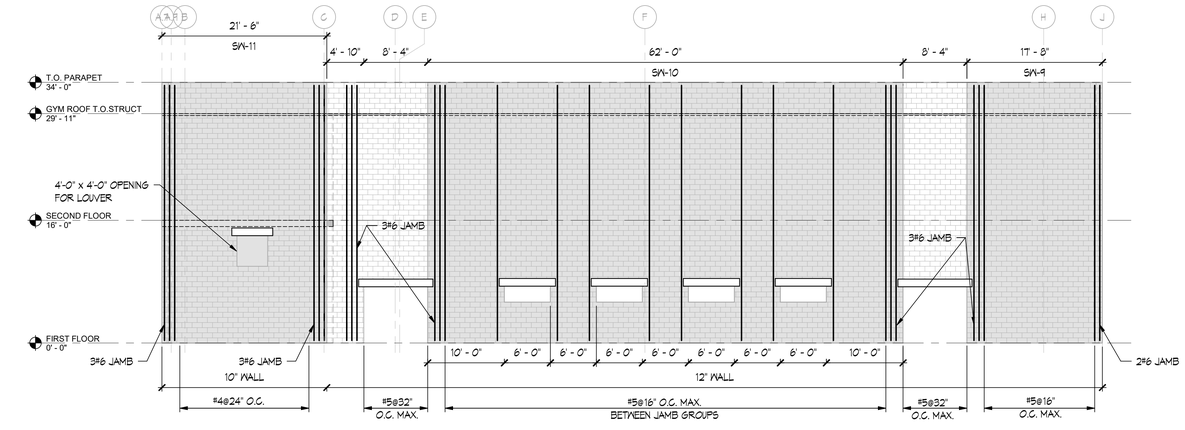
NOTES:
1. WALL THICKNESS VARIES, SEE PLAN AND WALL ELEVATION ABOVE.
2. SEE CMU WALL ELEVATION NOTES ON THIS SHEET FOR BALANCE OF INFORMATION.



2 CMU WALL ELEVATION (GRID J)

1/8" = 1'-0"

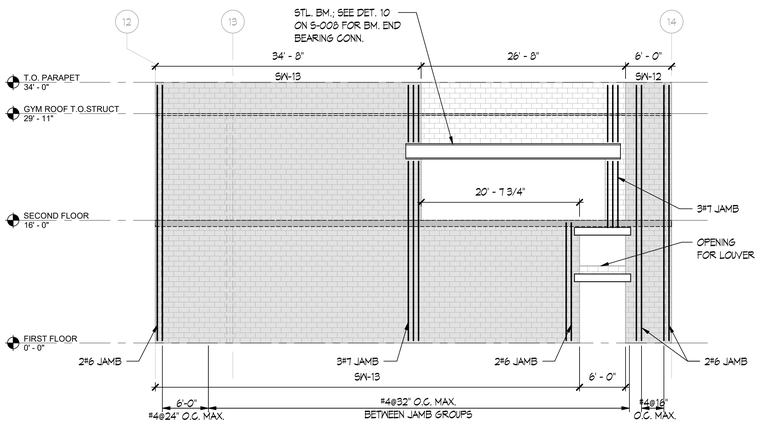
NOTES:
1. WALL THICKNESS IS 12", SEE PLAN.
2. SEE CMU WALL ELEVATION NOTES ON THIS SHEET FOR BALANCE OF INFORMATION.



3 CMU WALL ELEVATION (GRID 14)

1/8" = 1'-0"

NOTES:
1. WALL THICKNESS VARIES, SEE PLAN AND WALL ELEVATION ABOVE.
2. SEE CMU WALL ELEVATION NOTES ON THIS SHEET FOR BALANCE OF INFORMATION.



4 CMU WALL ELEVATION (GRID A.7)

1/8" = 1'-0"

NOTES:
1. WALL THICKNESS IS 10", SEE PLAN.
2. SEE CMU WALL ELEVATION NOTES ON THIS SHEET FOR BALANCE OF INFORMATION.

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SED #: 50-90-00-00-0-044-001

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West Nyack, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
CMU WALL ELEVATIONS 1
SHEET NUMBER:
S-404

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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7/3/2025 12:00:46 PM

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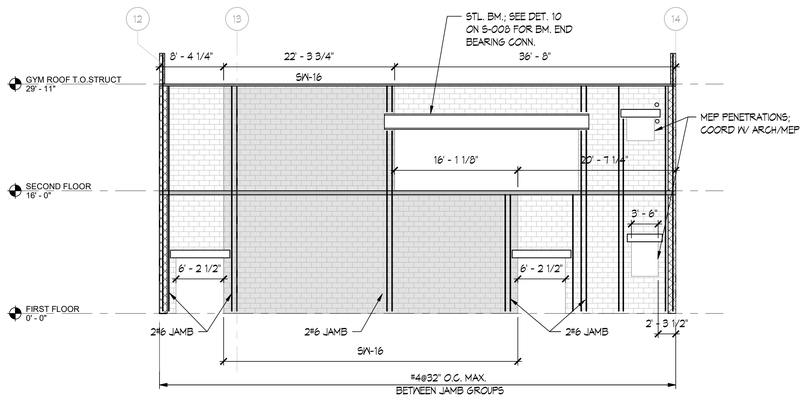
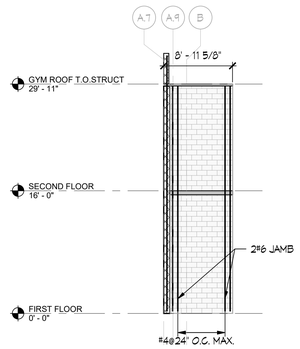


1 CMU WALL ELEVATION (GRID C)

1/8" = 1'-0"

NOTES:
1. WALL THICKNESS IS 10", SEE PLAN.
2. SEE CMU WALL ELEVATION NOTES ON S-404 FOR BALANCE OF INFORMATION.



2 CMU WALL ELEVATION (GRID 13)

1/8" = 1'-0"

NOTES:
1. WALL THICKNESS IS 10", SEE PLAN.
2. SEE CMU WALL ELEVATION NOTES ON S-404 FOR BALANCE OF INFORMATION.

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SED #: 50-90-00-00-0-044-001

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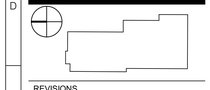
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/8" = 1'-0"

SHEET NAME:
CMU WALL ELEVATIONS 2

SHEET NUMBER:
S-405

BID SET

DRAWN BY: AJ/DV
CHECKED BY: AJ/DV
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7/3/2025 12:00:52 PM

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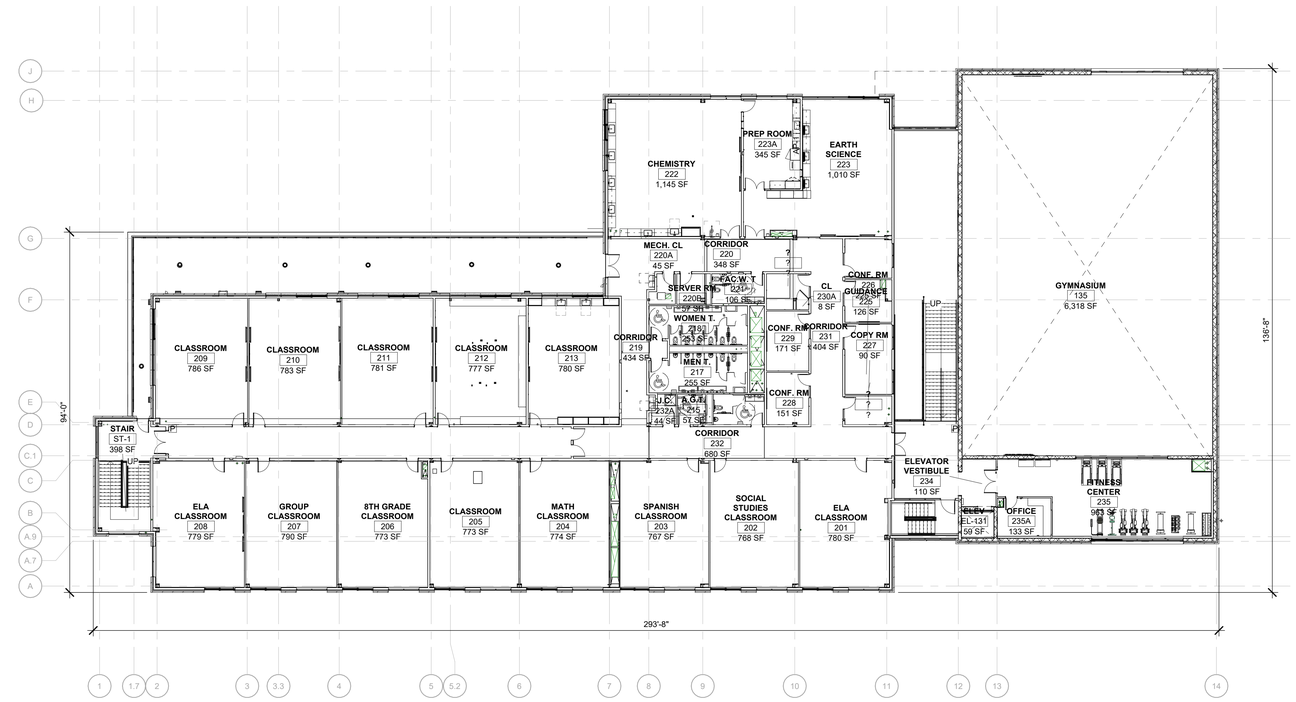
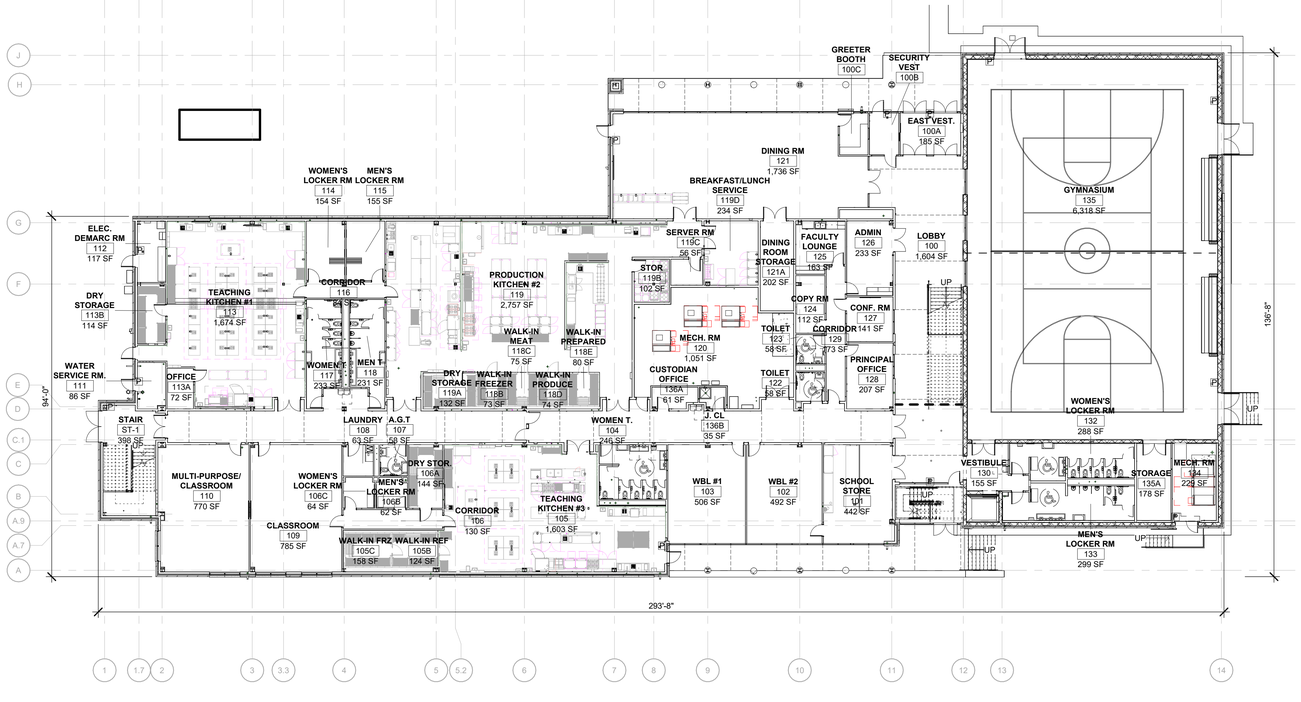


OVERALL SECOND FLOOR (H3)

1/16" = 1'-0"



OVERALL FIRST FLOOR (A3)

1/16" = 1'-0"

1ST FLOOR - 30,916 GSF
2ND FLOOR- 21,667 GSF
TOTAL-52,583 GSF

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REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/16" = 1'-0"
SHEET NAME: OVERALL FLOOR PLAN
SHEET NUMBER: A-011

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
C:\Users\jfisher\Documents\2333403.90 Rockland BOCES P-Tech C-Tech_R23_rvw_jfisher.rvt
7/3/2025 12:27:34 PM

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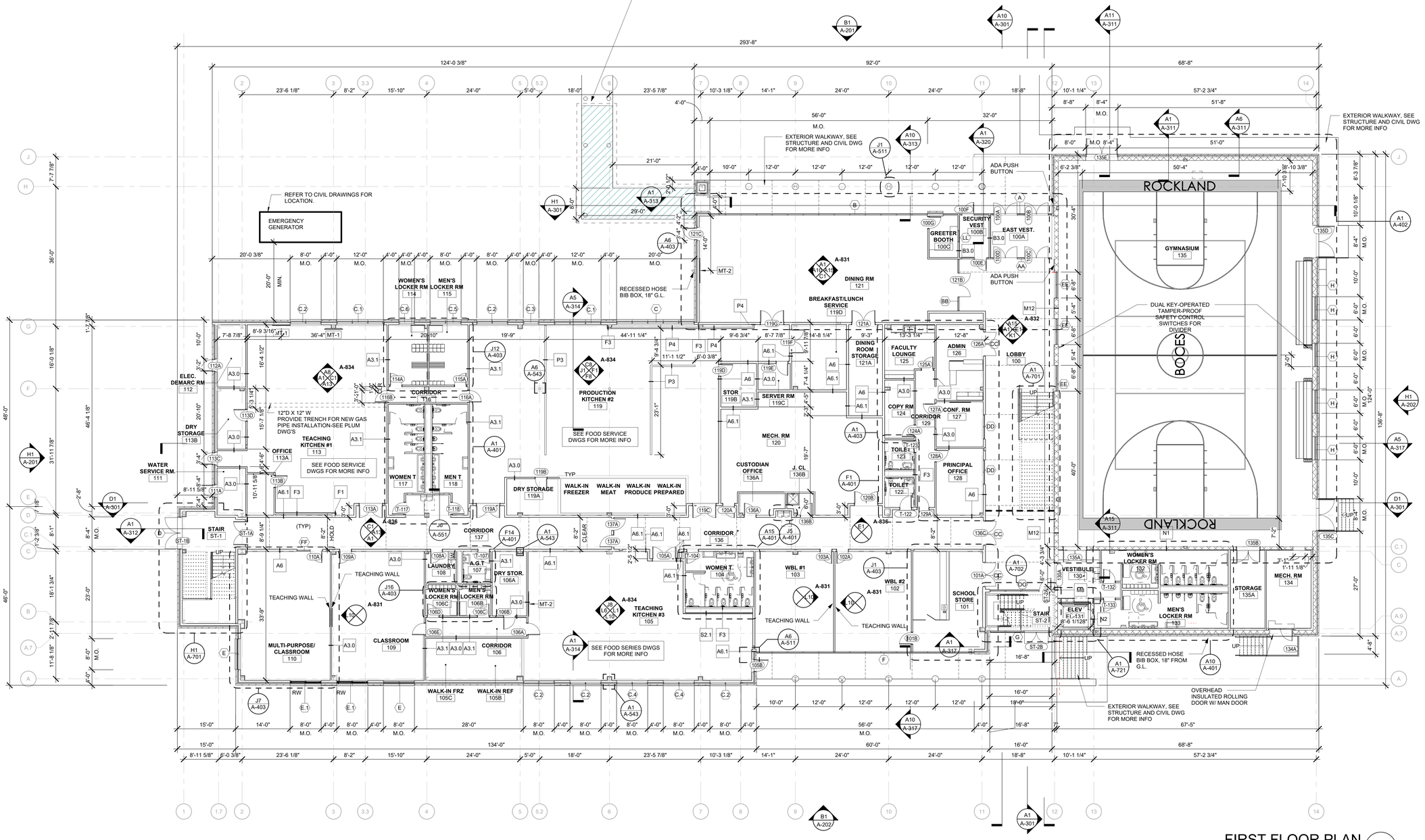
FLOOR PLAN LEGEND

A0i	WALL TYPE, REFER TO SHEET G-041
101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
	SCOPE ALTERNATE
MT-1	65" MONITOR, TT-6521O. PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. COORDINATE WITH MEP DWGS. PROVIDE BLOCKING
MT-2	86" MONITOR, NEWLINE TT-8623QA. PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. COORDINATE WITH MEP DWGS. PROVIDE BLOCKING

FLOOR PLAN GENERAL NOTES

1. REFER TO SHEET G-041 FOR WALL TYPES
2. INTERIOR PARTITIONS ARE DIMENSIONED TO THE GYP FACE OR CMU UNLESS NOTED OTHERWISE. CONTRACTOR TO REVIEW ARCHITECTURAL FINISHES AND COORDINATE ROOM FINISH DIMENSIONS.
3. FACE OF ADJACENT WALL TO EDGE OF DOOR FRAME IS 4"(TYP) U.N.O.
4. REFER TO SHEET A401-A414 FOR PLAN DETAILS
5. REFER TO SHEET A601 FOR DOOR SCHEDULE AND ALL DOORS TO RECEIVE CARD READERS AND ADA PUSH BUTTONS
6. ALL RIGID INSULATION TO TAPER TOWARDS DRAINS AT 1/4"/ 1'-0"
7. REFER TO SHEET A-801 FOR ROOM FINISH SCHEDULE.
8. REFER TO G-051 FOR ADA COMPLIANCE DIAGRAMS. NOTE MINIMUM CLEARANCES
9. REFER TO SHEET G-052 FOR STANDARD MOUNTING HEIGHTS
10. SEE ALL SIGNAGE DETAILS AT SPECIFICATION

ALT #2
POURED IN-PLACE CONCRETE WALKWAY- APPROX. 1,096SF
METAL CANOPY EXTENDING FROM NEW BUILDING TO BUILDING #3, ANCHORED WITH METAL COLUMNS AND CONCRETE FOOTINGS. DOWN LIGHTING AT UNDERSIDE OF CANOPY METAL ROOF.
CANOPY APPROX. LENGTH - 145 FT . APPROX. WIDTH - 8 FT.
COORDINATE WITH ELECTRICAL, CIVIL AND STRUCTURAL DRAWINGS.



FIRST FLOOR PLAN

3/32" = 1'-0" (A1)

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www.arriscontracting.com

REGISTERED ARCHITECT ARMANDO SAMUEL QUADRINI 022313 STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: FIRST FLOOR PLAN
SHEET NUMBER: A-101

BID SET

DRAWN BY: AuthorDRAWING FILE: Author
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FLOOR PLAN LEGEND

A0i	WALL TYPE, REFER TO SHEET G-041
101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
	SCOPE ALTERNATE
MT-1	65" MONITOR, TT-6521Q, PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. COORDINATE WITH MEP DWGS. PROVIDE BLOCKING
MT-2	86" MONITOR, NEWLINE TT-8623QA. PROVIDED BY OWNER, INSTALLED BY CONTRACTOR. COORDINATE WITH MEP DWGS. PROVIDE BLOCKING

FLOOR PLAN GENERAL NOTES

1. REFER TO SHEET G-041 FOR WALL TYPES
2. INTERIOR PARTITIONS ARE DIMENSIONED TO THE GYP FACE OR CMU UNLESS NOTED OTHERWISE. CONTRACTOR TO REVIEW ARCHITECTURAL FINISHES AND COORDINATE ROOM FINISH DIMENSIONS.
3. FACE OF ADJACENT WALL TO EDGE OF DOOR FRAME IS 4"(TYP) U.N.O.
4. REFER TO SHEET A401-A414 FOR PLAN DETAILS
5. REFER TO SHEET A601 FOR DOOR SCHEDULE AND ALL DOORS TO RECEIVE CARD READERS AND ADA PUSH BUTTONS
6. ALL RIGID INSULATION TO TAPER TOWARDS DRAINS AT 1/4"/ 1'-0"
7. REFER TO SHEET A-801 FOR ROOM FINISH SCHEDULE.
8. REFER TO G-051 FOR ADA COMPLIANCE DIAGRAMS. NOTE MINIMUM CLEARANCES
9. REFER TO SHEET G-052 FOR STANDARD MOUNTING HEIGHTS
10. SEE ALL SIGNAGE DETAILS AT SPECIFICATION

ALTERNATE #3
APPROX. 2070 SF OF 2" THK. LARGE FORMAT 24" X 24" STONE PAVER AND PEDESTAL SYSTEM ON EPDM ROOFING. BASIS OF DESIGN: HANOVER ARCHITECTURAL PRODUCTS, PREST PAVER, OR EQUAL. STANDARD COLOR TO BE SELECTED BY ARCHITECT

ROOF ACCESS HATCH ABOVE

VENT

ROOF GARDEN RG-200

RECESSED HOSE BIB BOX, 18" AFF.

30'-0" (BRICK DIMENSION)

TEACHING WALL

CLASSROOM 209

CLASSROOM 210

CLASSROOM 211

CLASSROOM 212

CLASSROOM 213

CORRIDOR 219

CORRIDOR 233

STAIR ST-1

ELA CLASSROOM 208

GROUP CLASSROOM 207

8TH GRADE CLASSROOM 206

CLASSROOM 205

MATH CLASSROOM 204

SPANISH CLASSROOM 203

SOCIAL STUDIES CLASSROOM 202

ELA CLASSROOM 201

CHEMISTRY 222

PREP ROOM 223A

EARTH SCIENCE 223

CORRIDOR 220

SERVER RM 220B

MECH. EL 220A

EAC.W.T. 221

ASSISTANT PRINCIPAL 230

CL 230A

GUIDANCE 224

GUIDANCE 225

WOMEN T. 218

MEN T. 217

CONF. RM 229

CORRIDOR 231

CONF. RM 226

CONF. RM 228

COPY RM 227

CORRIDOR FAC. M.T 232 107 SF

CORRIDOR 200

ELEVATOR VESTIBULE 234

STAIR ST-2

ELEV EL-131

OFFICE 235A

FITNESS CENTER 235

EMERGENCY COMMUNICATION PANEL AND SIGNAGE. COORD. W/ ELECTRICAL

GYMNASIUM 135

OPEN TO BELOW

OPEN TO BEYOND

293'-8"

124'-0 3/8"

75'-11"

16'-1"

35'-4"

24'-0" M.O.

9'-4"

52'-0 1/8"

38'-0"

130'-0"

136'-8"

124'-0"

194'-0"

57'-2 3/4"

SECOND FLOOR PLAN A1
3/32" = 1'-0"

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REGISTERED ARCHITECT
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STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: SECOND FLOOR PLAN
SHEET NUMBER: A-102

BID SET

DRAWN BY: JH/NV
CHECKED BY: Author
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LIGHTING FIXTURE LEGEND

L11	EXTRUDED PENDANT FIXTURE
L12	4' LAY IN STRIP TROFFER
L13	8 FOOT LAY IN STRIP TROFFER
L14	PENDANT LINEAR FIXTURE, 8 FEET
L15	RECESSED LINEAR FIXTURE, 8 FEET
L21	6" ROUND DOWNLIGHT, RECESSED
L22	6" ROUND DOWNLIGHT, RECESSED
L31	2'x4' LAY IN TROFFER
L41	HIGH BAY SUSPENDED ROUND FIXTURE
L51	4' INDUSTRIAL FIXTURE
L61	RECESSED LINEAR FIXTURE, 8 FEET
L62	4' RECESSED LINEAR FIXTURE
L71	WALL WRAP STAIRWELL FIXTURE
L91	EXTERIOR WALL PACK
L92	8" ROUND DOWNLIGHT
L93	4' OUTDOOR LINEAR FIXTURE
L94	WALL MOUNTED ACCENT LIGHT
OEM	OUTDOOR EMERGENCY LIGHT

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE

CEILING PLAN LEGEND:

X
X'- XX"

CEILING MATERIAL (SEE FINISH SCHEDULE)

CEILING HEIGHT AFF

NO CEILING - OPEN TO STRUCTURE

SCOPE ALTERNATE

SPRINKLER

NOTE: REFER TO FINISH LEGEND& SCHEDULE FOR MORE INFORMATION

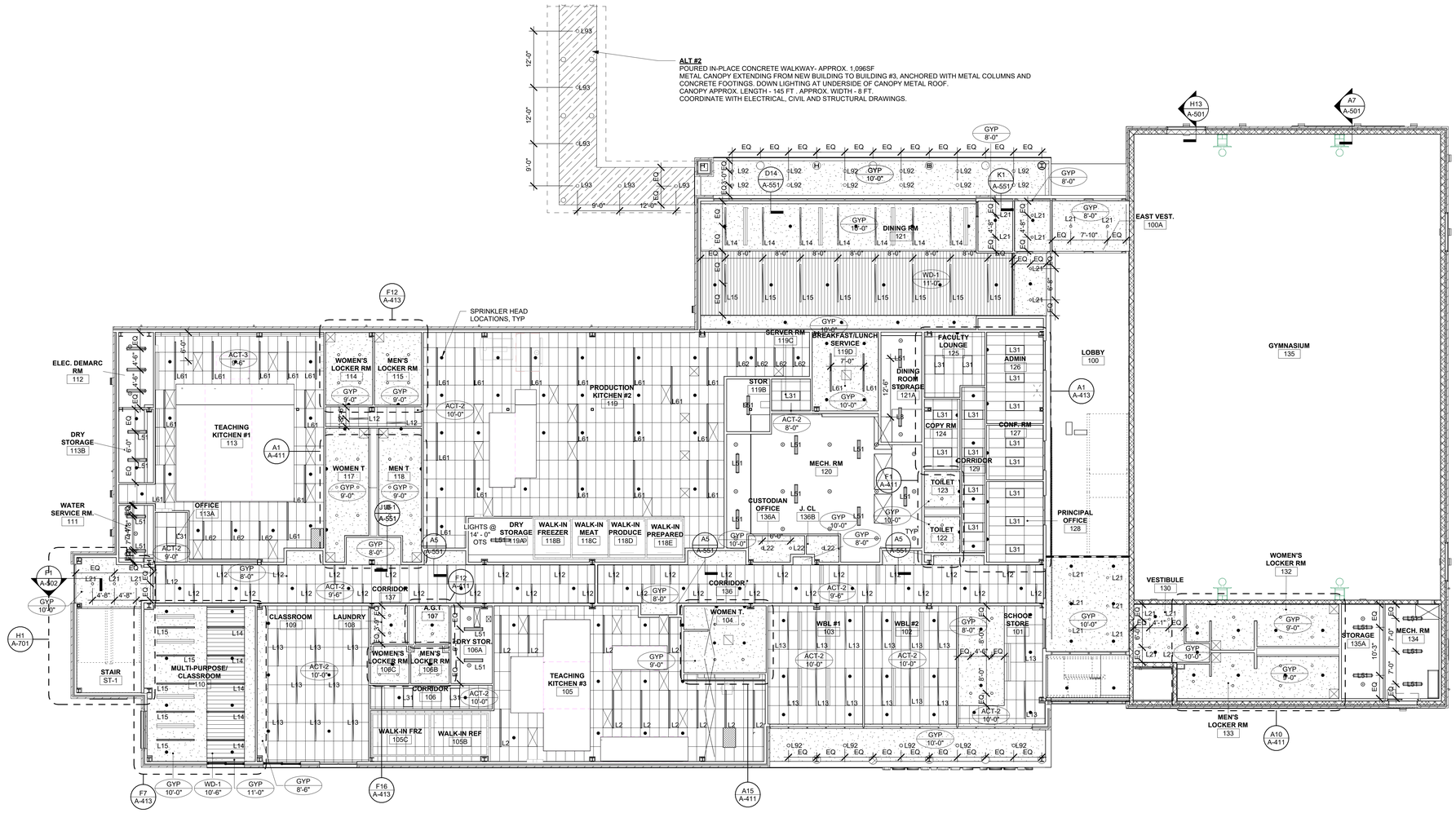
CEILING TYPES

ACT-1	24" X 48" - ARMSTRONG - SCHOOL ZONE FINE FISSURED AIRASSURE
ACT-2	24" X 48" - ARMSTRONG - KITCHEN ZONE PANELS
GYP	5/8" TYPE "X" GYPSUM BOARD
WD-1	WOODWORKS GRILLE - VENEERED CEILING PANELS

RCP GENERAL NOTES:

1. CENTER ALL CEILING TILE GRIDS BOTH DIRECTIONS IN ALL ROOMS/SPACES/CORRIDORS, NO PERIMETER GRID SPACING/ACOUSTICAL TILE CUT LESS THAN 6"
2. ALL LIGHT DIMENSIONS ARE MEASURED FROM CENTERLINE OF FIXTURE TO FACE OF WALL/SOFFIT U.O.N
3. CEILING MOUNTED ELEMENTS (I.E. LIGHT FIXTURES, EXIT SIGNS, HVAC REGISTERS, SPRINKLER HEADS, SPEAKERS, WIRELESS ACCESS POINTS, ETC) SHALL BE CENTERED IN CEILING TILES
4. REFER TO ELECTRICAL PLANS FOR LOCATIONS AND QUANTITY OF SMOKE DETECTORS AND EXIT SIGNS
5. APPROXIMATE LOCATION OF CHILLED BEAM GRILL WITHIN ACOUSTIC CEILING TILE ON ARCHITECTURAL GOVERNS.COORDINATE WITH MEP.
6. PROVIDE 2'X2' ACCESS PANELS IN GYP BD. CEILING AT ALL CLEAN OUTS AS INDICATED ON MEP DRAWINGS. ARCHITECT TO VERIFY LOCATION OF ACCESS PANELS ON SHOP DRAWINGS.
7. PROVIDE ACCESS DOORS FOR MECHANICAL EQUIPMENT- COORDINATE WITH MECH PLANS TYP.
8. ALL AREAS WITH OUT PATTERN HAVE EXPOSED CEILINGS
9. REFER TO A-551 FOR CEILING DETAILS
10. WHERE A 2 X 4 FIXTURE OR DOWNLIGHT IS LOCATED IN A 2 X 4 CEILING TILE, FIXTURE SHALL BE CENTERED ON TILE.
11. WHERE A 2 X 2 FIXTURE IS LOCATED IN A 2 X 4 CEILING TILE, FIXTURE SHALL BE LOCATED TO ONE SIDE AS DEPICTED ON RCP.
12. CONTRACTOR TO COORDINATE RCP'S WINDOW SHADE INSTALLATIONS.
13. SHADOW MOLDING TO BE USED AROUND THE PERIMETER OF ACOUSTIC CEILING TILE WHEN EDGE TILE IS LESS THAN 5".

ALT #2
POURED IN-PLACE CONCRETE WALKWAY- APPROX. 1,096SF
METAL CANOPY EXTENDING FROM NEW BUILDING TO BUILDING #3, ANCHORED WITH METAL COLUMNS AND CONCRETE FOOTINGS. DOWN LIGHTING AT UNDERSIDE OF CANOPY METAL ROOF.
CANOPY APPROX. LENGTH - 145 FT , APPROX. WIDTH - 8 FT.
COORDINATE WITH ELECTRICAL, CIVIL AND STRUCTURAL DRAWINGS.



FIRST FLOOR REFLECTED CEILING PLAN

3/32" = 1'-0"

A1

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STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
FIRST FLOOR REFLECTED CEILING PLAN
SHEET NUMBER:

A-111

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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LIGHTING FIXTURE LEGEND

L11	EXTRUDED PENDANT FIXTURE
L12	4' LAY IN STRIP TROFFER
L13	8 FOOT LAY IN STRIP TROFFER
L14	PENDANT LINEAR FIXTURE, 8 FEET
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L92	8" ROUND DOWNLIGHT
L93	4' OUTDOOR LINEAR FIXTURE
L94	WALL MOUNTED ACCENT LIGHT
OEM	OUTDOOR EMERGENCY LIGHT

NOTE: REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE SCHEDULE

CEILING PLAN LEGEND:

- X / X'- XX" — CEILING MATERIAL (SEE FINISH SCHEDULE) / CEILING HEIGHT AFF
- NO CEILING - OPEN TO STRUCTURE
- SCOPE ALTERNATE
- SPRINKLER

NOTE: REFER TO FINISH LEGEND& SCHEDULE FOR MORE INFORMATION

CEILING TYPES

ACT-2	24" X 48" - ARMSTRONG - SCHOOL ZONE FINE FISSURED AIRASSURE
ACT-3	24" X 48" - ARMSTRONG - KITCHEN ZONE PANELS
GYP	5/8" TYPE "X" GYPSUM BOARD ON 3 5/8" METAL STUD
WD-1	WOODWORKS GRILLE - VENEERED CEILING PANELS
MT-1	CUSTOM ALUMINUM GRID CEILING

RCP GENERAL NOTES:

1. CENTER ALL CEILING TILE GRIDS BOTH DIRECTIONS IN ALL ROOMS/SPACES/CORRIDORS, NO PERIMETER GRID SPACING/ACOUSTICAL TILE CUT LESS THAN 6"
2. ALL LIGHT DIMENSIONS ARE MEASURED FROM CENTERLINE OF FIXTURE TO FACE OF WALL/SOFFIT U.O.N
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7. PROVIDE ACCESS DOORS FOR MECHANICAL EQUIPMENT- COORDINATE WITH MECH PLANS TYP.
8. ALL AREAS WITH OUT PATTERN HAVE EXPOSED CEILINGS
9. REFER TO A-551 FOR CEILING DETAILS
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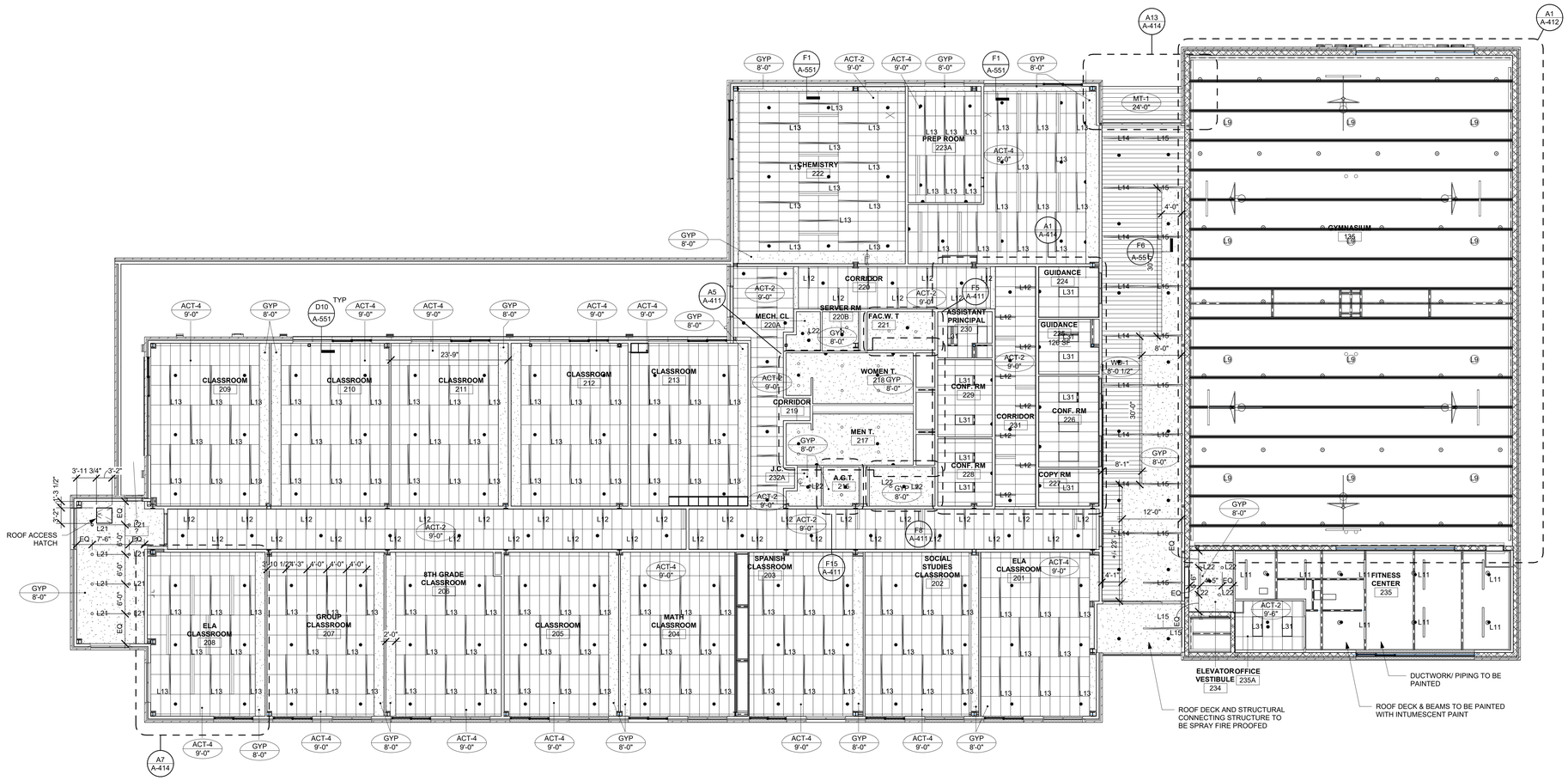
13. SHADOW MOLDING TO BE USED AROUND THE PERIMETER OF ACOUSTIC CEILING TILE WHEN EDGE TILE IS LESS THAN 5".



SECOND FLOOR REFLECTED CEILING PLAN

3/32" = 1'-0"

A1

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
SECOND FLOOR REFLECTED CEILING PLAN

SHEET NUMBER:

A-112

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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PROJECT NUMBER: 2333403.01

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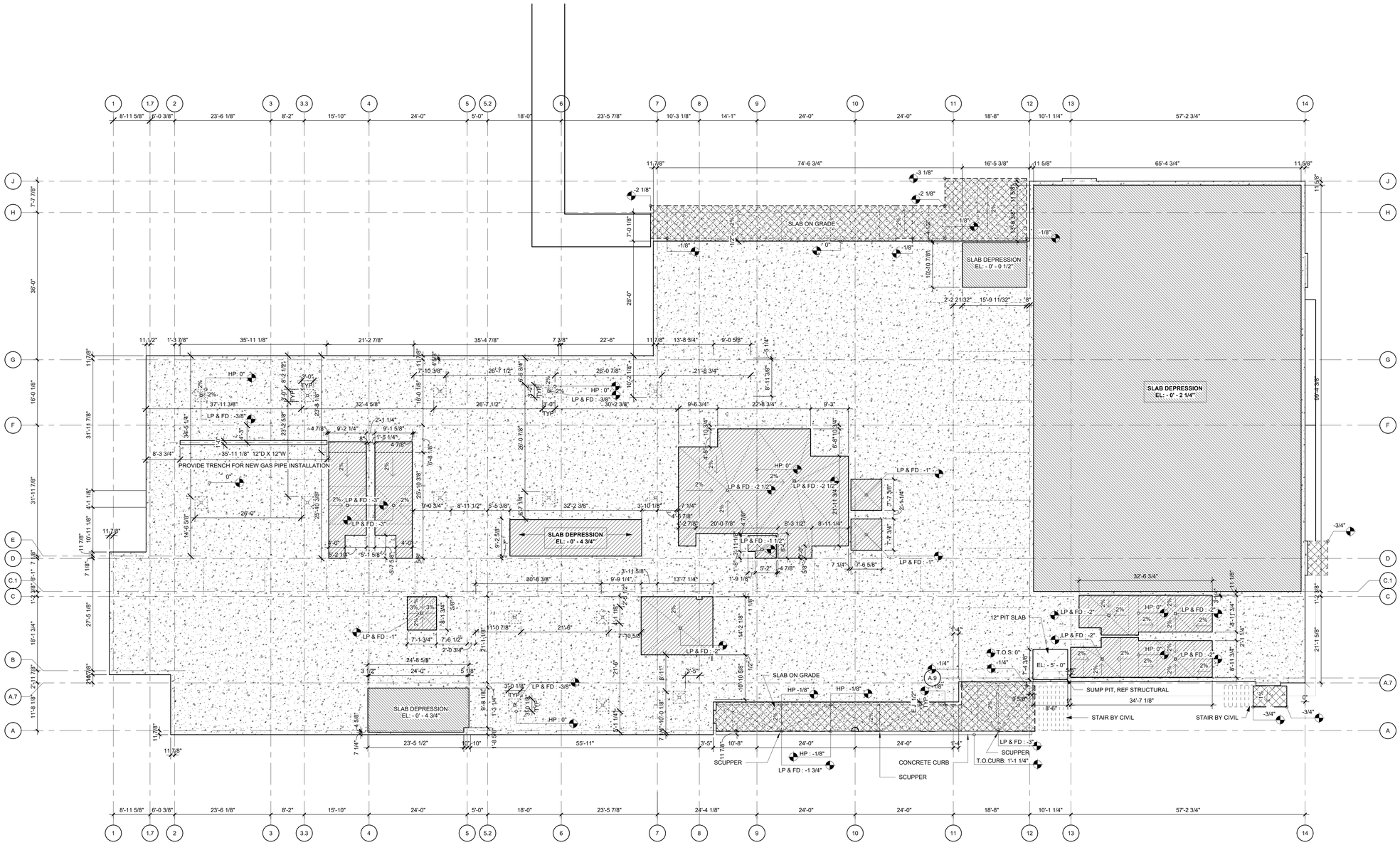
SLAB EDGE LEGEND

- NEW CONCRETE SLAB ON GRADE
- CONCRETE ON MTL DECK
- INSULATION ON MTL DECK
- FUTURE FLOOR DRAIN
- PROVIDE WOOD FRAMEWORK FOR A 2' X 2' BOX AROUND ALL FUTURE FLOOR DRAIN LOCATIONS.
- SLAB DEPRESSION
- SCREED; MONOLITHIC POUR
- SIDEWALK / EXTERIOR DECK
- SLOPE TO LOCAL FLOOR DRAIN
- CONCRETE INFILL AROUND 4 3/4" DEPRESSION; MONOLITHIC POUR
- FLOOR DRAIN
- LEVEL: TOP OF SCREED ON TERRACE
- LEVEL: TOP OF ROOFING
- LP: LOW POINT
- HP: HIGH POINT
- FD: FLOOR DRAIN
- RD: ROOF DRAIN

SLAB EDGE ARCHITECTURAL DRAWINGS ARE FOR COORDINATION PURPOSES. CONTRACTOR TO COORDINATE AND VERIFY ALL DIMENSIONS, OPENINGS, SLAB EDGE LOCATIONS AND OTHER CONDITIONS WITH STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER PERTINENT DRAWINGS AND TRADES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF DISCREPANCIES AS SOON AS POSSIBLE



SLAB EDGE PLAN-FIRST FLOOR

3/32" = 1'-0"

A1

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\bcohen\Documents\2333403.69 Rockland BOCES P-Tech C-Tech_R23_rvw_bcohenTP-23.rvt
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PROJECT NUMBER: 2333403.01

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REGISTERED ARCHITECT
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

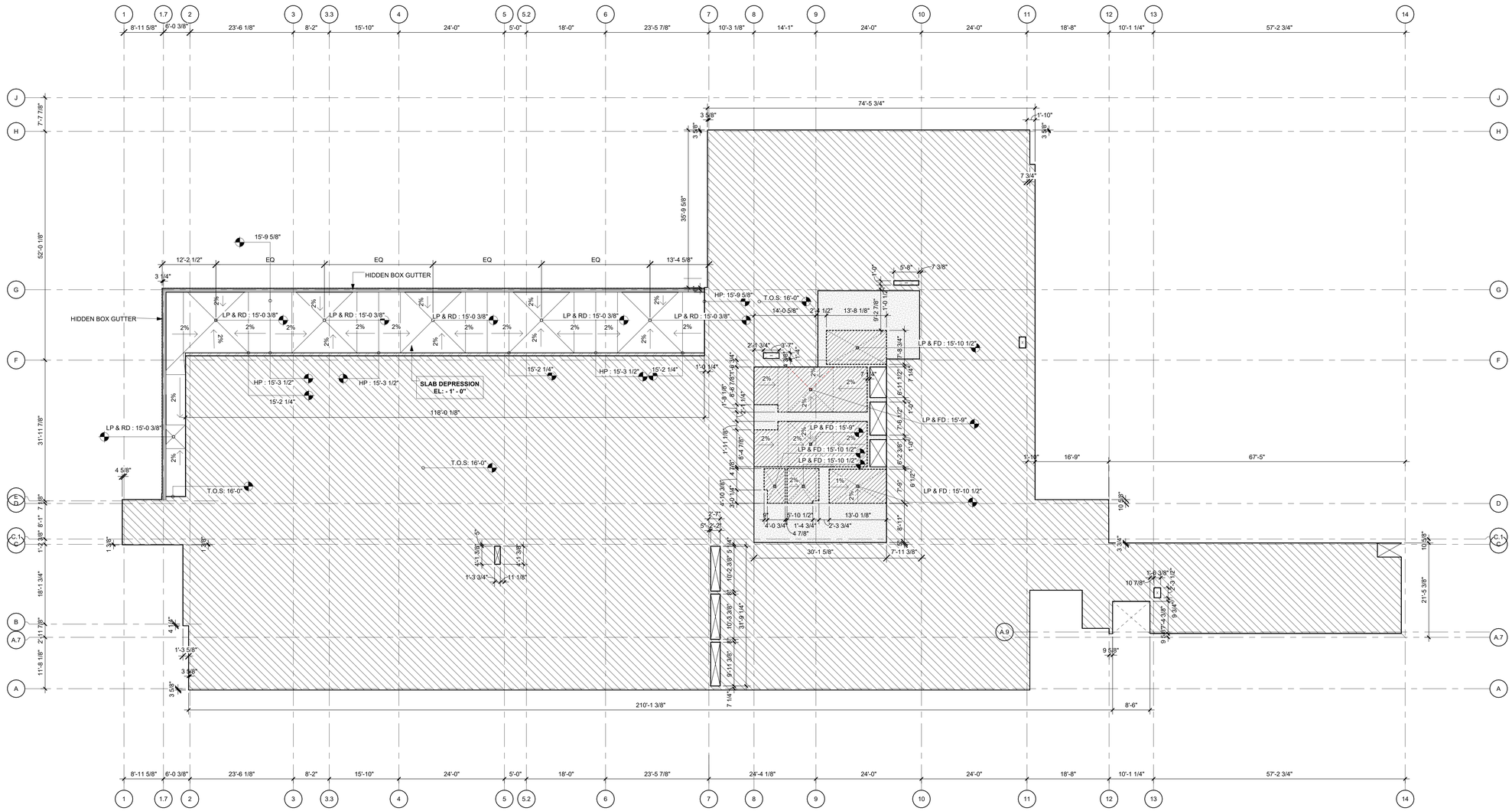
ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: SLAB EDGE PLAN- FIRST FLOOR
SHEET NUMBER: A-121

BID SET

SLAB EDGE LEGEND

- NEW CONCRETE SLAB ON GRADE
- CONCRETE ON MTL DECK
- INSULATION ON MTL DECK
- FUTURE FLOOR DRAIN
- PROVIDE WOOD FRAMEWORK FOR A 2' X 2' BOX AROUND ALL FUTURE FLOOR DRAIN LOCATIONS.
- SLAB DEPRESSION
- SCREED; MONOLITHIC POUR
- SIDEWALK / EXTERIOR DECK
- SLOPE TO LOCAL FLOOR DRAIN
- CONCRETE INFILL AROUND 4 3/4" DEPRESSION; MONOLITHIC POUR
- FLOOR DRAIN
- LEVEL: TOP OF SCREED ON TERRACE
- LEVEL: TOP OF ROOFING
- LP: LOW POINT
- HP: HIGH POINT
- FD: FLOOR DRAIN
- RD: ROOF DRAIN

SLAB EDGE ARCHITECTURAL DRAWINGS ARE FOR COORDINATION PURPOSES. CONTRACTOR TO COORDINATE AND VERIFY ALL DIMENSIONS, OPENINGS, SLAB EDGE LOCATIONS AND OTHER CONDITIONS WITH STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER PERTINENT DRAWINGS AND TRADES PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF DISCREPANCIES AS SOON AS POSSIBLE



SLAB EDGE PLAN-SECOND FLOOR

3/32" = 1'-0" (A1)

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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: SLAB EDGE PLAN-SECOND FLOOR
SHEET NUMBER: A-122

BID SET

DRAWN BY: A.Arhin
CHECKED BY: A.Quadrini
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SLAB EDGE LEGEND

- NEW CONCRETE SLAB ON GRADE
- CONCRETE ON MTL DECK
- INSULATION ON MTL DECK
- FUTURE FLOOR DRAIN
- PROVIDE WOOD FRAMEWORK FOR A 2' X 2' BOX AROUND ALL FUTURE FLOOR DRAIN LOCATIONS.
- ROOF DRAIN
- TOP OF ROOFING
- LP: LOW POINT
- HP: HIGH POINT
- FD: FLOOR DRAIN
- RD: ROOF DRAIN
- ROOF CRICKET

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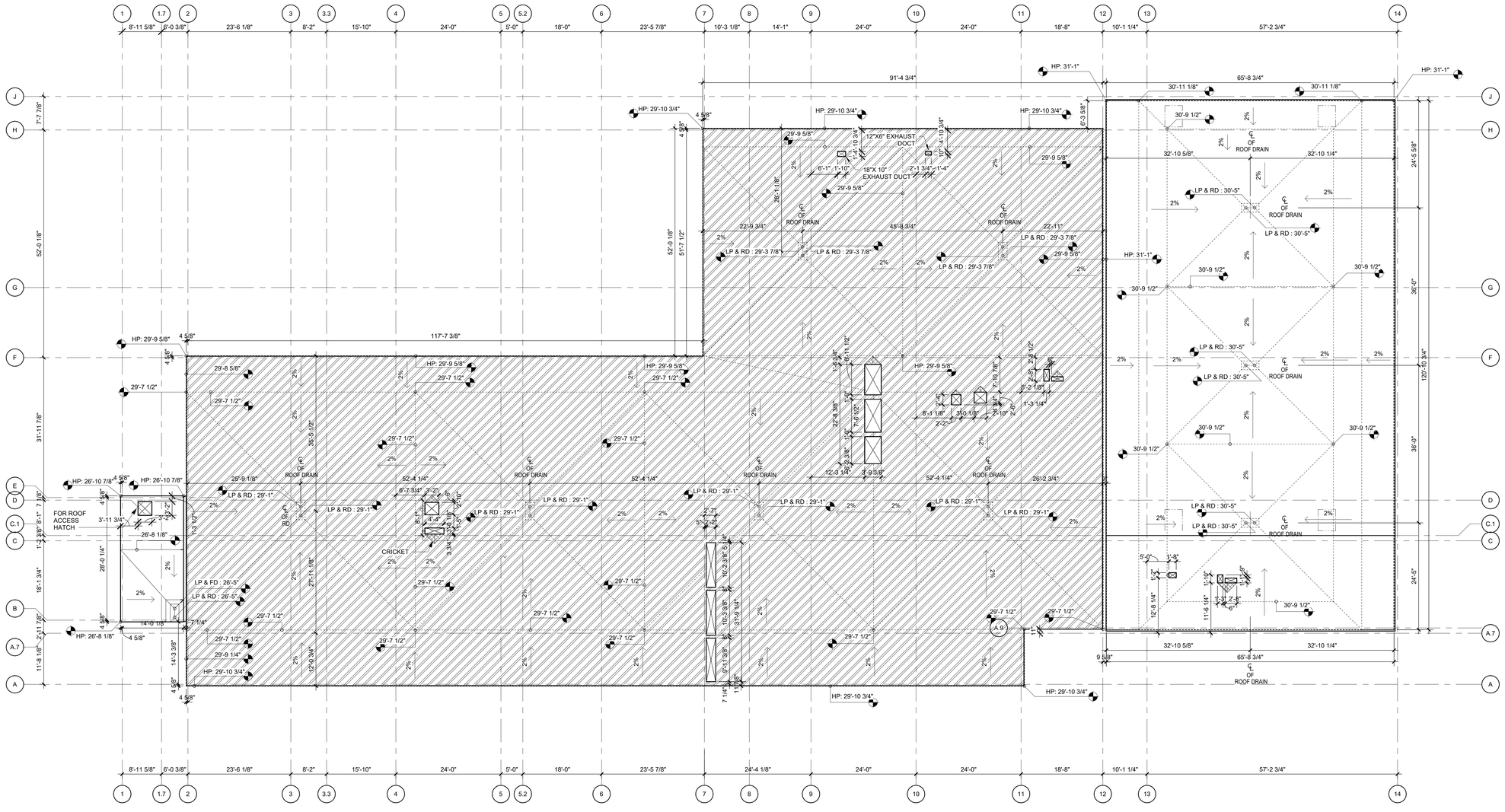

SLAB EDGE PLAN- ROOF

3/32" = 1'-0"

A1

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: SLAB EDGE PLAN-ROOF
SHEET NUMBER: A-123

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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7/3/2025 12:28:00 PM

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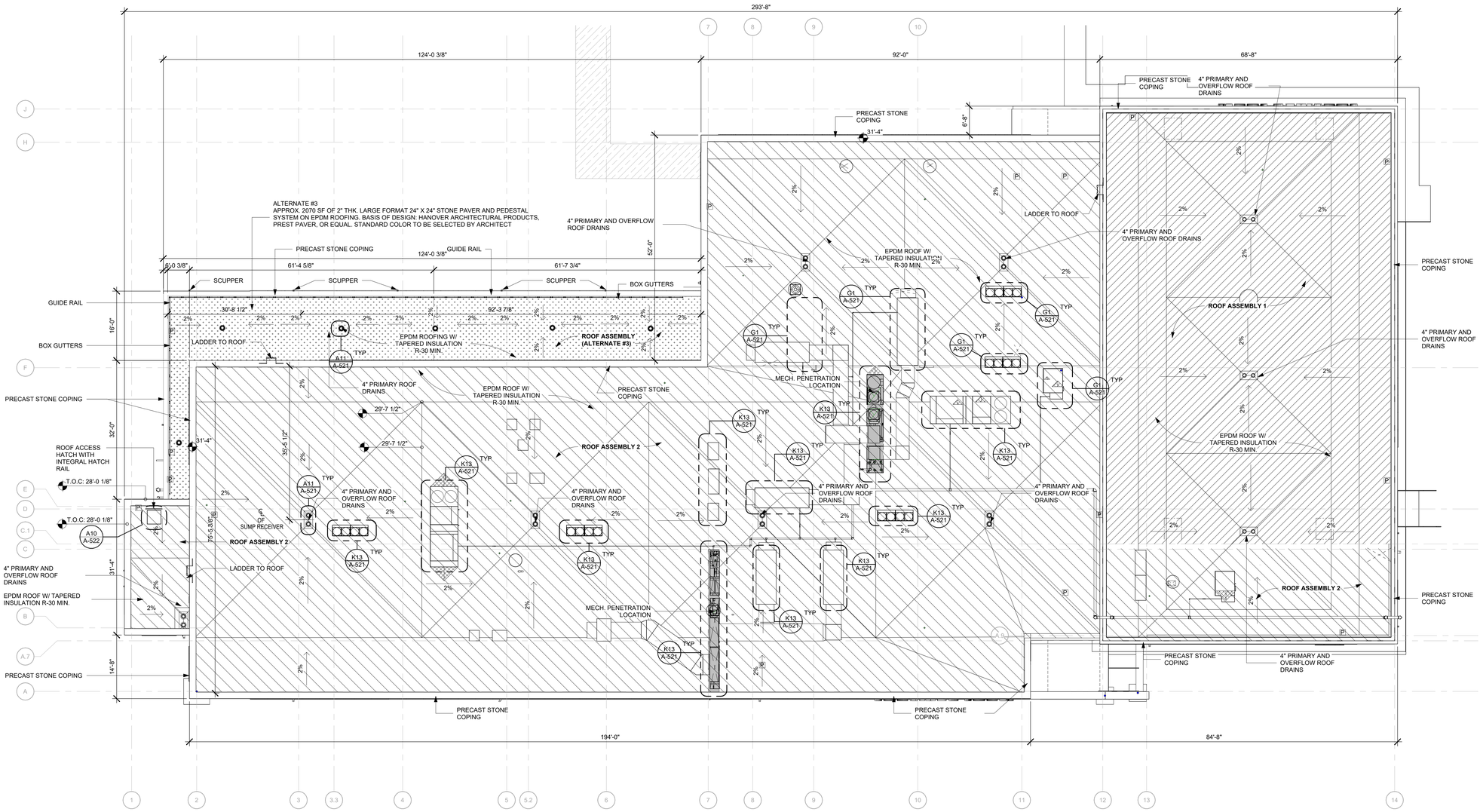
Roof Assemblies Legend

ROOF ASSEMBLY 1
- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" ACOUSTIC METAL ROOF DECK

ROOF ASSEMBLY 2
- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" METAL ROOF DECK (1HR FIREPROOFING)

ROOF ASSEMBLY (ALTERNATE #3 CONCRETE PAVERS ON PETALS AT ROOF GARDEN)
- 2" PRECAST CONCRETE PAVER (8" X 8") ON PLASTIC PEDESTAL
- 1/2" COVER BOARD
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- 1/2" THK. DRAINAGE MAT
- 1/4" COLD-FLUID APPLIED ROOFING MEMBRANE
- PITCH TOP SURFACE OF SCREED MIN. 1/4" PER FOOT TO DRAIN

ROOF CRICKET



ROOF PLAN VIEW
3/32" = 1'-0" (A1)

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: ROOF PLAN
SHEET NUMBER: A-131

BID SET

DRAWN BY: AChor
CHECKED BY: ARQuadrini
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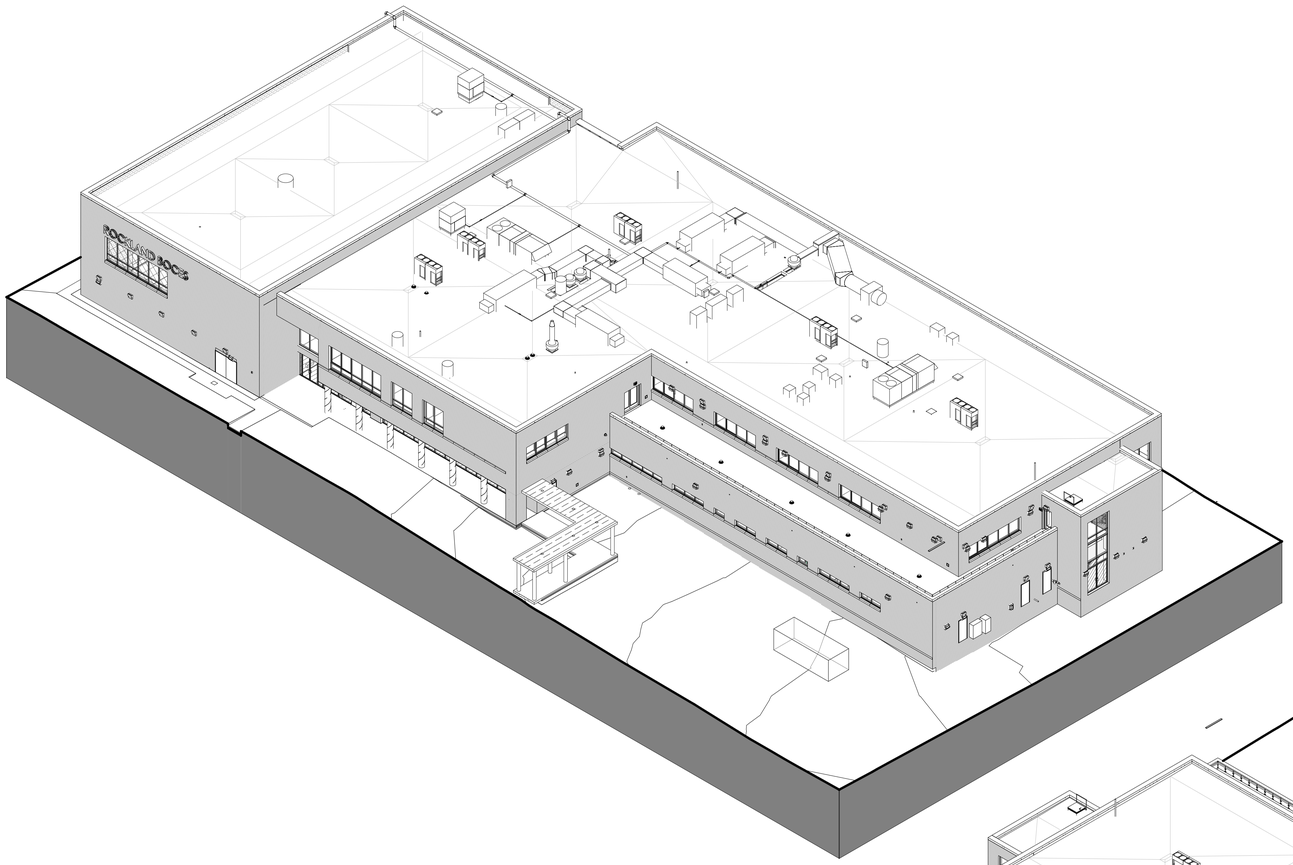
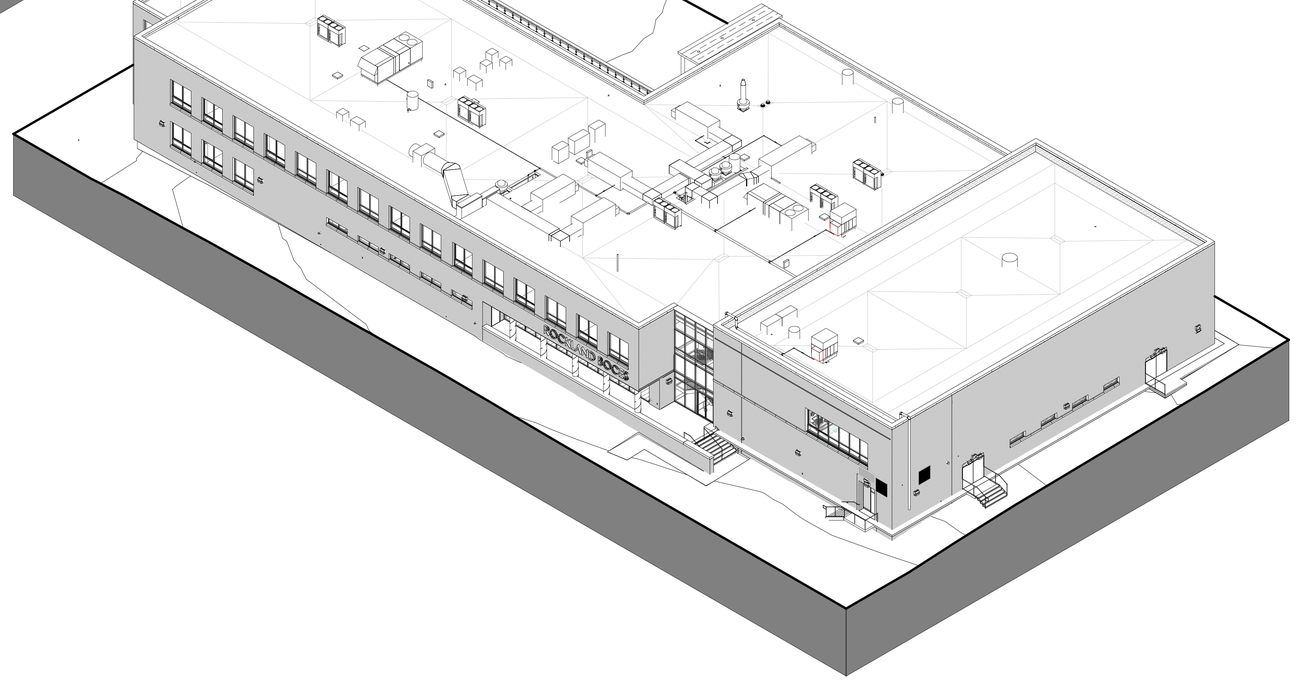


AXONOMETRIC VIEW FROM NORTH-EAST F11



AXONOMETRIC VIEW FROM SOUTH-WEST A1

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
BUILDING AXONOMETRIC

SHEET NUMBER:
A-200

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/NV
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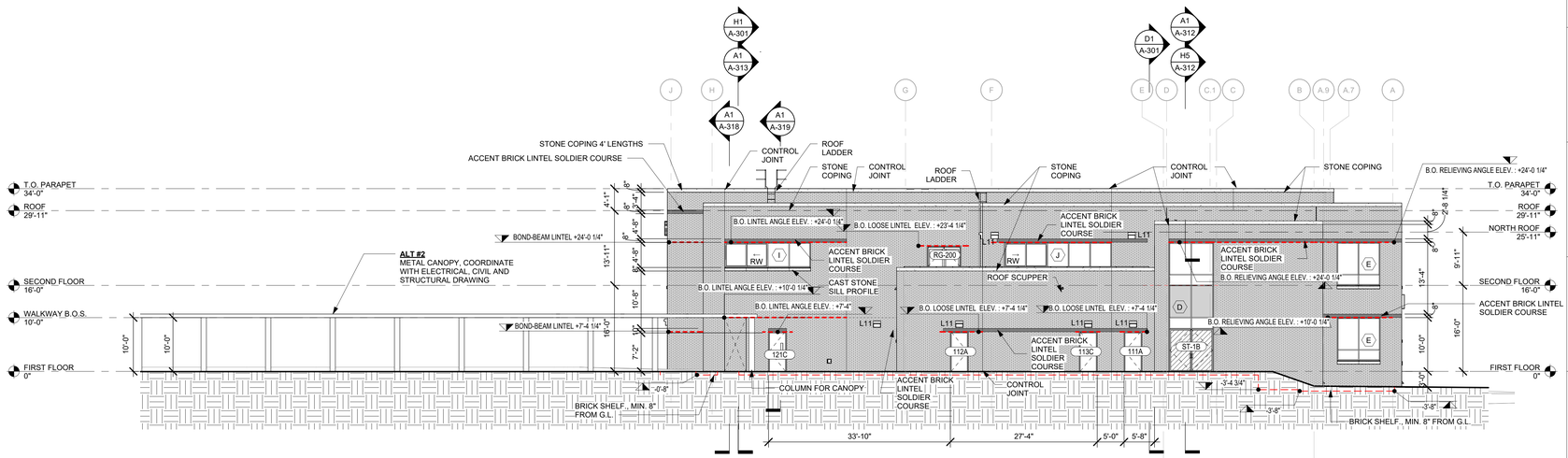
ELEVATION LEGEND & NOTES

101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
L11	EXTERIOR WALL MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL SHEETS FOR LIGHTING SCHEDULE
- - - - -	BOTTOM OF RELIEVING / LINTEL ANGLE

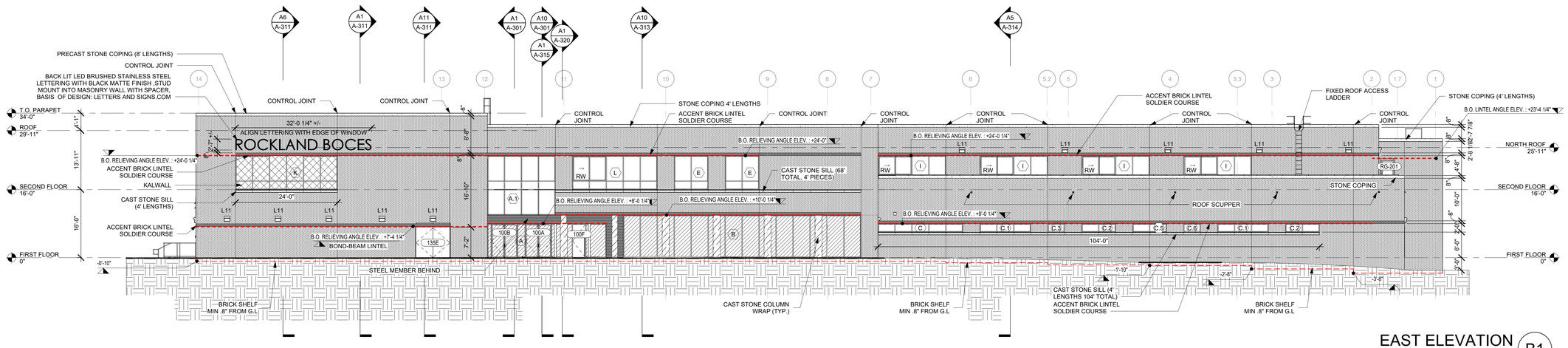
GENERAL NOTES

1. WEEPS @ 24" O.C. ABOVE RELIEVING / LINTEL ANGLES ASSEMBLY, TYP.
2. WEEPS FOR VENT @ 24" O.C. STAGGERED AT BELOW PARAPET COPING STONE, RELIEVING / LINTEL ANGLES ASSEMBLY, TYP
3. ALIGN MASONRY CONTROL JOINTS WITH MASONRY OPENINGS @ 24'-0" O.C. MAX.



NORTH ELEVATION H1

3/32" = 1'-0"



EAST ELEVATION B1

3/32" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: BUILDING ELEVATIONS
SHEET NUMBER: A-201

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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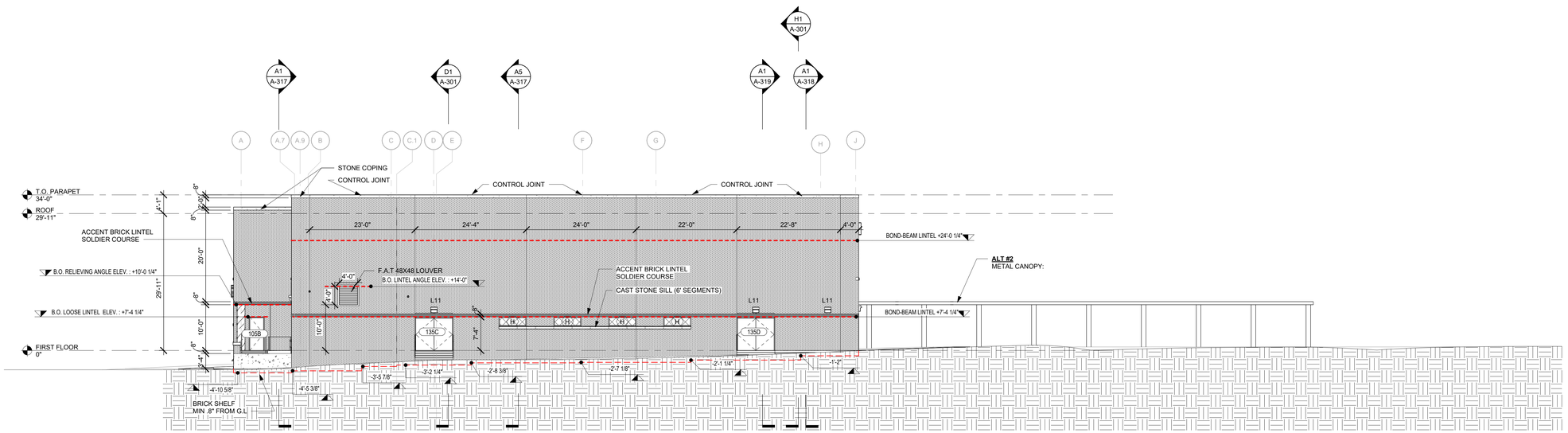
ELEVATION LEGEND & NOTES

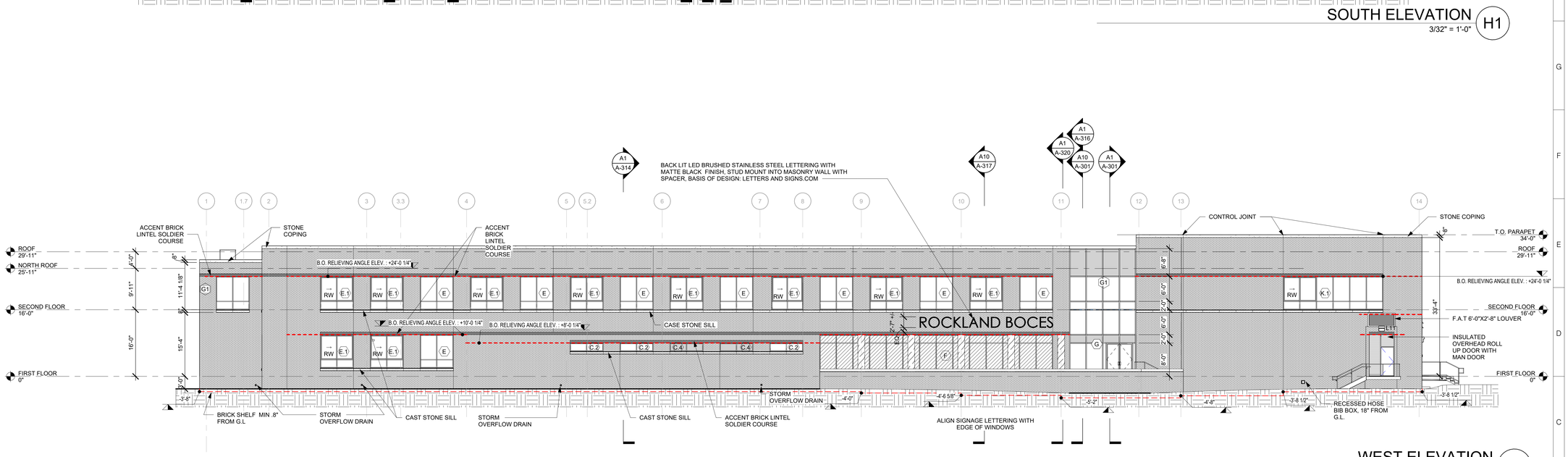
101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
L11	EXTERIOR WALL MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL SHEETS FOR LIGHTING SCHEDULE
- - - - -	BOTTOM OF RELIEVING / LINTEL ANGLE

GENERAL NOTES

1. WEEPS @ 24" O.C. ABOVE RELIEVING / LINTEL ANGLES ASSEMBLY, TYP.
2. WEEPS FOR VENT @ 24" O.C. STAGGERED AT BELOW PARAPET COPING STONE, RELIEVING / LINTEL ANGLES ASSEMBLY, TYP
3. ALIGN MASONRY CONTROL JOINTS WITH MASONRY OPENINGS @ 24'-0" O.C. MAX.



SOUTH ELEVATION H1
3/32" = 1'-0"



WEST ELEVATION B1
3/32" = 1'-0"

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: BUILDING ELEVATIONS
SHEET NUMBER: A-202

BID SET

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CHECKED BY: Checker
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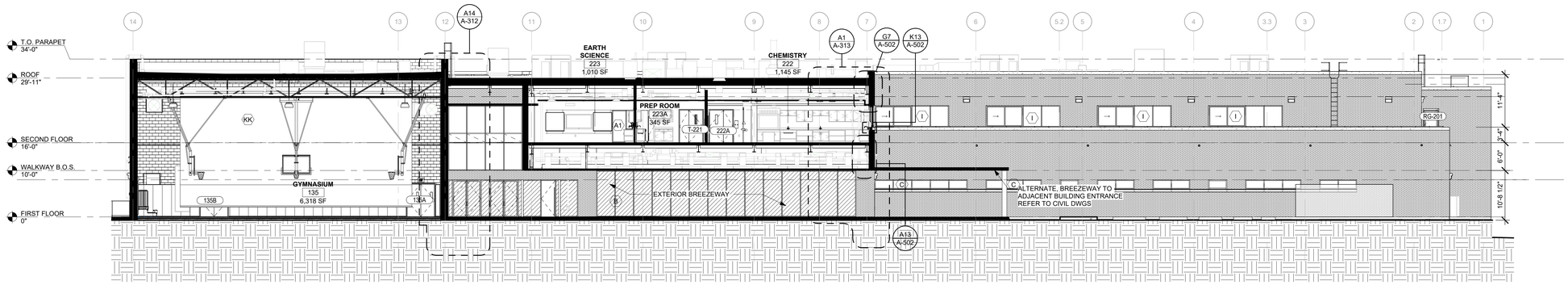
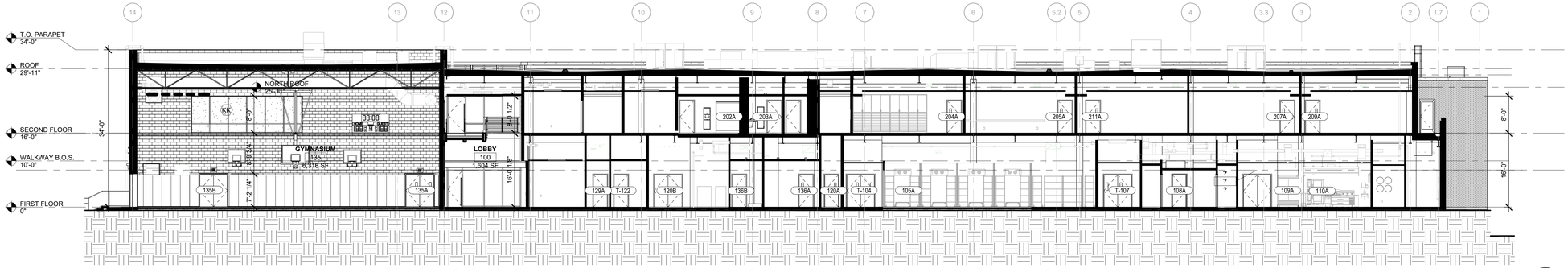


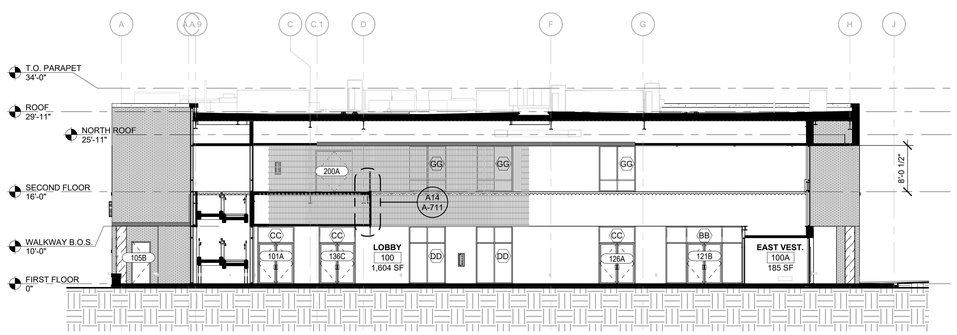
LONGITUDINAL SECTION A

3/32" = 1'-0" H1



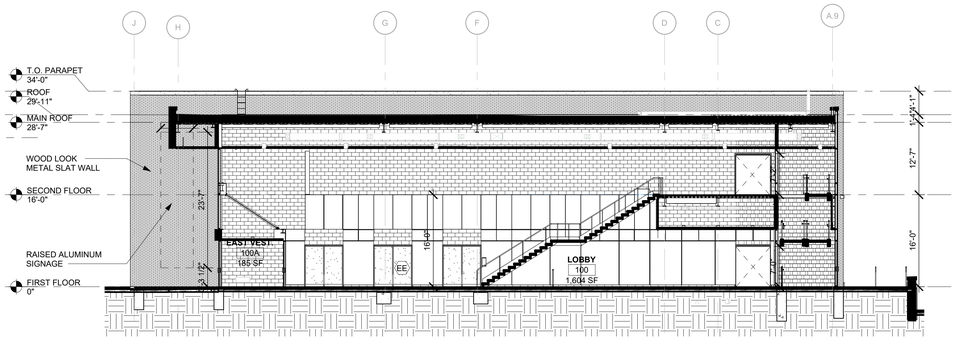
LONGITUDINAL SECTION B

3/32" = 1'-0" D1



CROSS SECTION B

3/32" = 1'-0" A10



CROSS SECTION A

3/32" = 1'-0" A1

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REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: BUILDING SECTIONS

SHEET NUMBER: A-301

BID SET

DRAWN BY: author
CHECKED BY: checker
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7/3/2025 12:29:23 PM

PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

ELEVATION LEGEND & NOTES

101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
L11	EXTERIOR WALL MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL SHEETS FOR LIGHTING SCHEDULE
- - - - -	BOTTOM OF RELIEVING / LINTEL ANGLE

GENERAL NOTES

1. WEEPS @ 24" O.C. ABOVE RELIEVING / LINTEL ANGLES ASSEMBLY, TYP.
2. WEEPS FOR VENT @ 24" O.C. STAGGERED AT BELOW PARAPET COPING STONE, RELIEVING / LINTEL ANGLES ASSEMBLY, TYP
3. ALIGN MASONRY CONTROL JOINTS WITH MASONRY OPENINGS @ 24'-0" O.C. MAX.

EXTERIOR ASSEMBLIES LEGEND

IECC 2020 CLIMATE ZONE 5
ROOFS : R-30CI:INSULATION ENTIRELY ABOVE ROOF DECK

ROOF ASSEMBLY 1
- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" ACOUSTIC METAL ROOF DECK

ROOF ASSEMBLY 2
- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
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- 1/2" UNDERLAYMENT
- 3" METAL ROOF DECK (1HR FIREPROOFING)

ROOF ASSEMBLY (ALTERNATE #3 CONCRETE PAVERS ON PEDESTAL AT ROOF GARDEN)
- 2" THK. PRECAST CONCRETE PAVER (8" X 8") ON PLASTIC PEDESTAL
- 1/2" COVER BOARD
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- 1/2" THK. DRAINAGE MAT
- HOT-FLUID APPLIED ROOFING MEMBRANE
- PITCH TOP SURFACE OF SCREED MIN. 1/4" PER FOOT TO DRAIN
- CLEAVAGE MEMBRANE

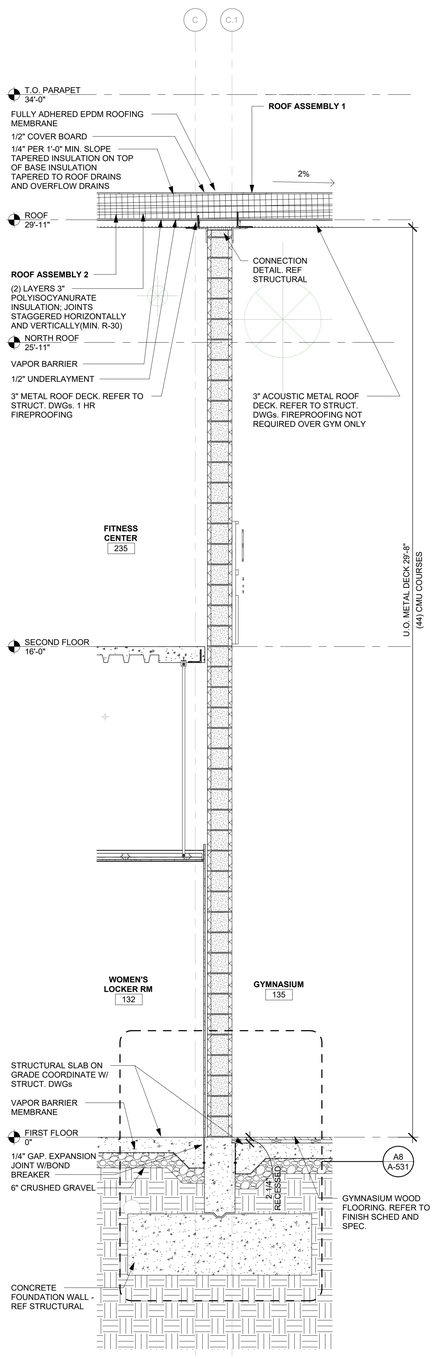
WALL ASSEMBLY 1
- 3 5/8" FACE BRICK (FBX)
- 2 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 2" RIGID INSULATION (MIN. R-7.5)
- AIR/VAPOR BARRIER
- 5/8" FIBERGLASS MAT FACED EXTERIOR GYPSUM SHEATHING
- 6" CFMF @ 16" O.C W/ CAVITY BATT INSULATION (MIN. R-13)
- 5/8" GYP BD TYPE X

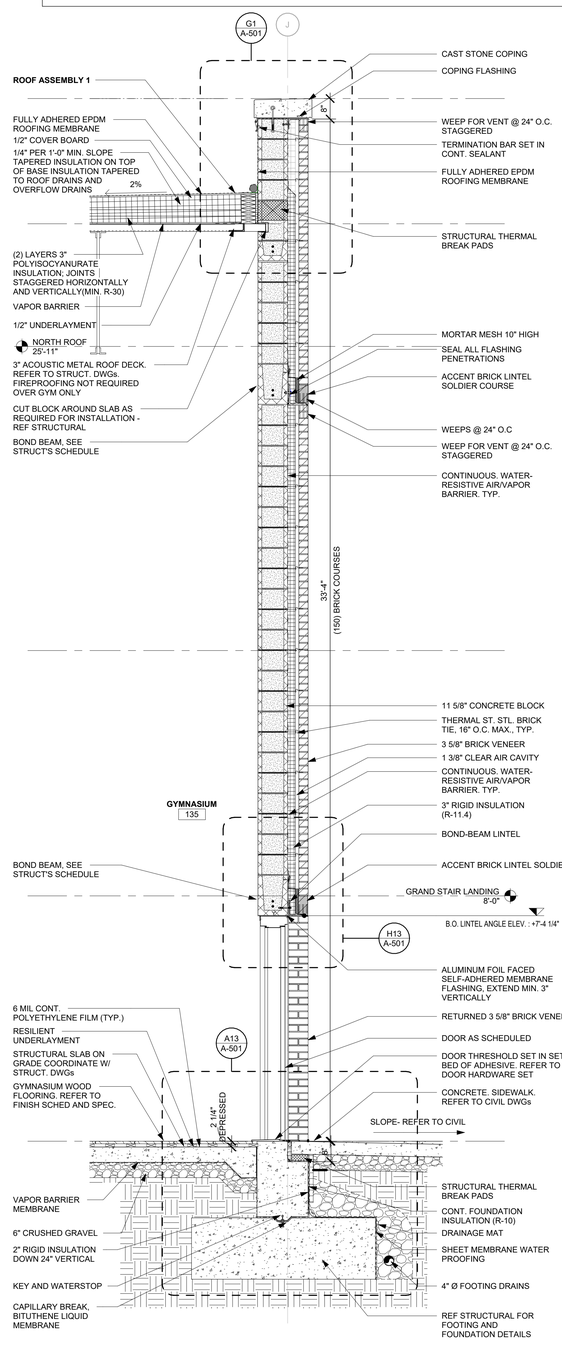
WALL ASSEMBLY 2
- 3 5/8" FACE BRICK (FBX)
- 1 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 3" RIGID INSULATION (MIN. R-11.4)
- AIR/VAPOR BARRIER
- 11 5/8" CMU

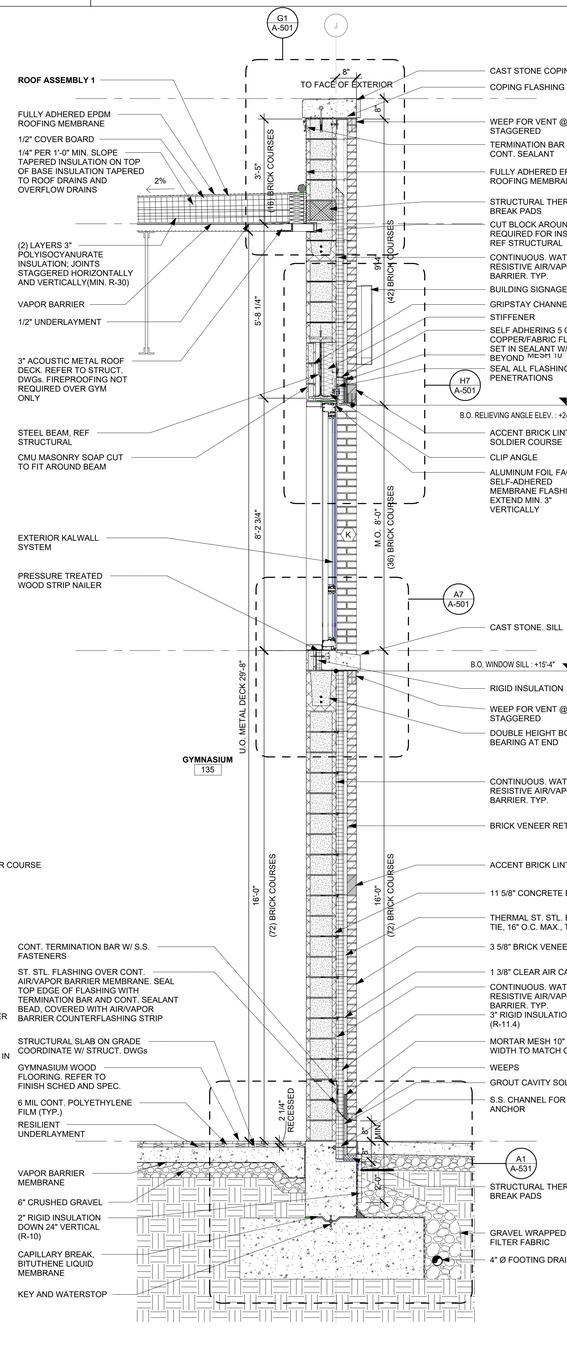
WALLS, BELOW GRADE R-7.5CI

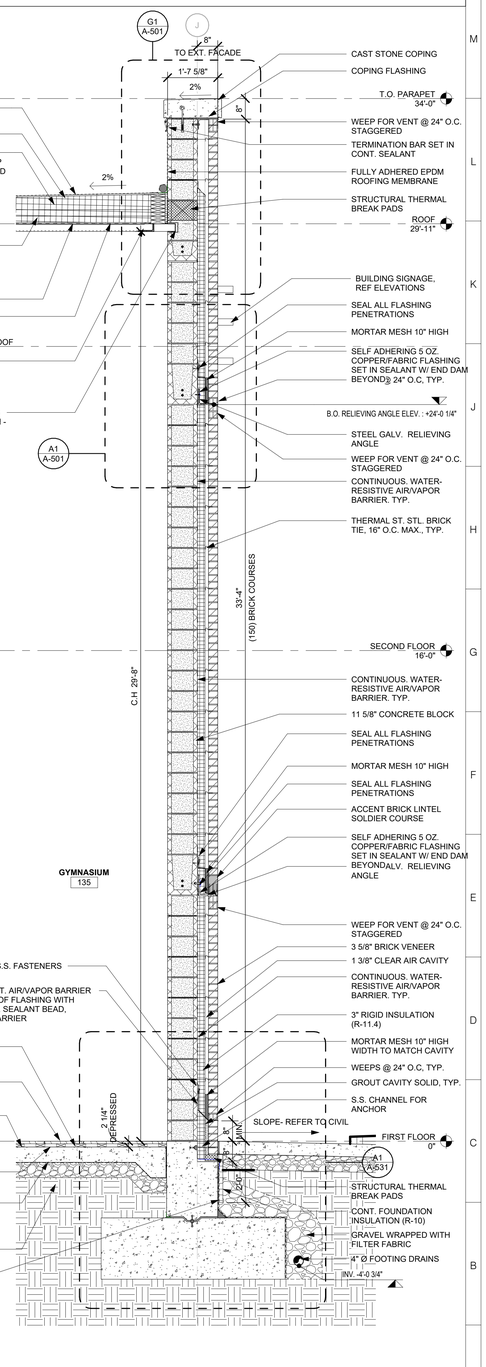
SLAB ON GRADE FLOOR
UNHEATED SLABS:R-10 FOR 24" BELOW

FLOORS
MASS:R-10CI









INTERIOR CUM WLL SECTION THROUGH GYM #4 — A15
1/2" = 1'-0"

THROUGH GYM #3 — A11
1/2" = 1'-0"

THROUGH GYM #2 — A6
1/2" = 1'-0"

THROUGH GYM #1 — A1
1/2" = 1'-0"

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REGISTERED ARCHITECT — ARMANDO SAMUEL QUADRINI — 022313 — STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
WALL SECTIONS

SHEET NUMBER:
A-311

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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- - - - -	BOTTOM OF RELIEVING / LINTEL ANGLE

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WALLS, BELOW GRADE R-7.5CI

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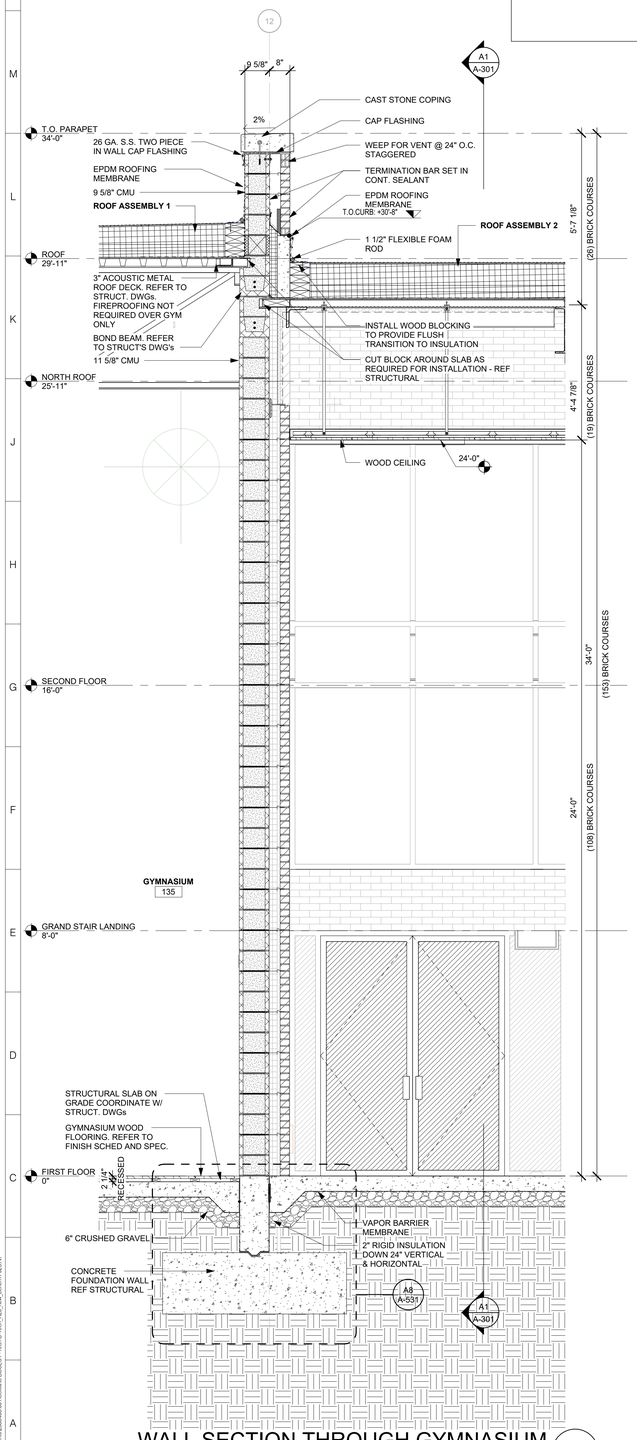
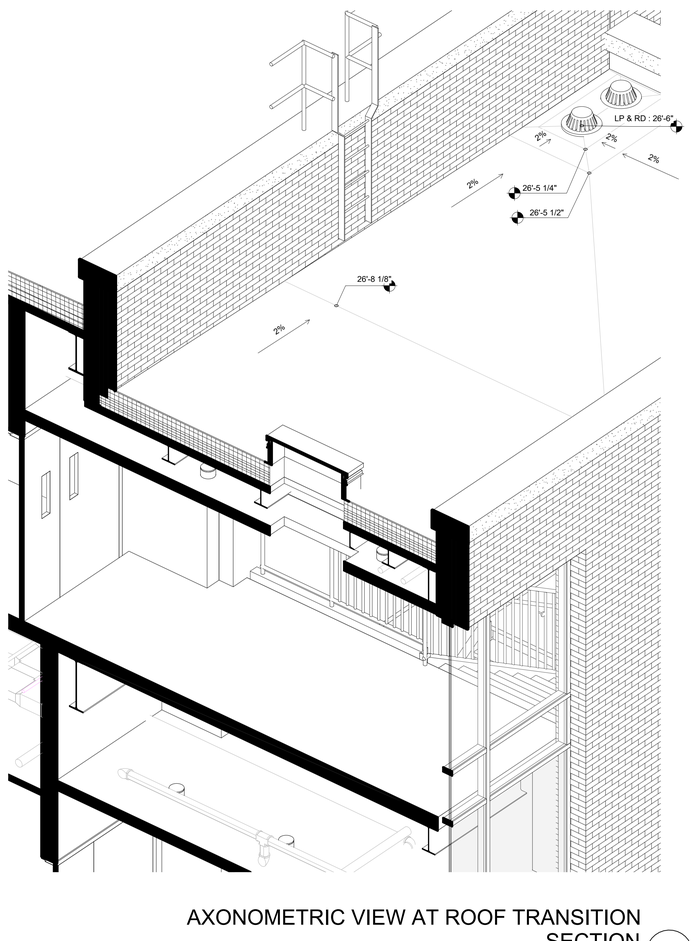
UNHEATED SLABS:R-10 FOR 24" BELOW

FLOORS
MASS:R-10CI

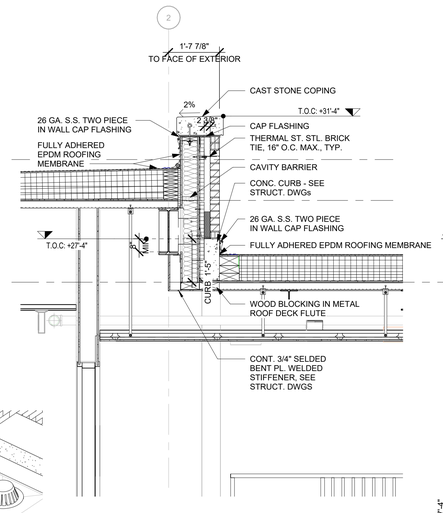


WALL SECTION THROUGH GYMNASIUM A14

1/2" = 1'-0"

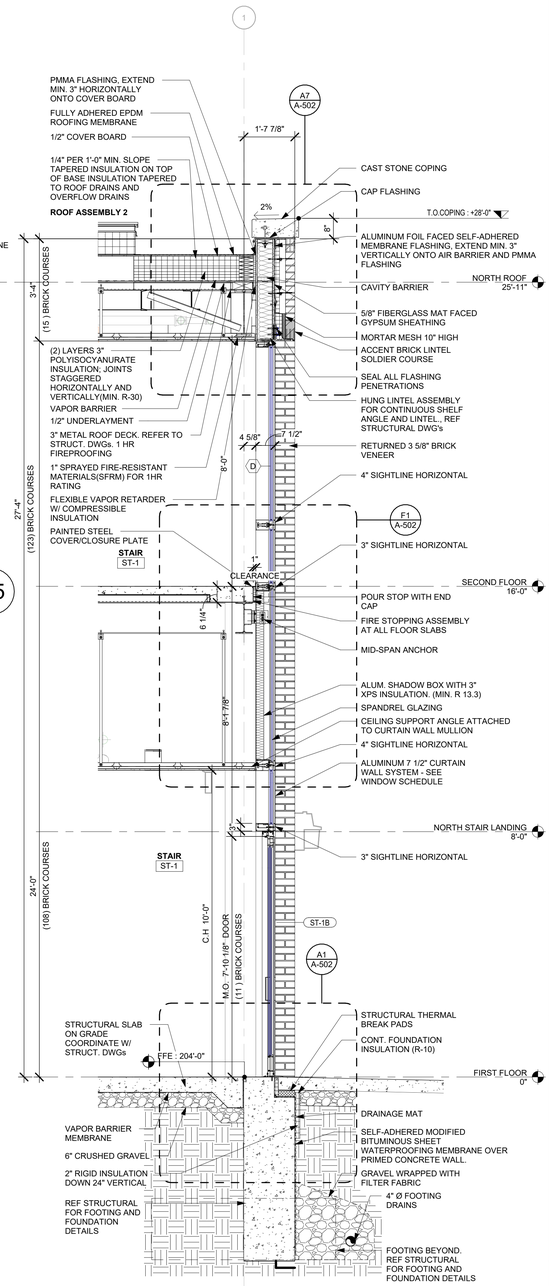


AXONOMETRIC VIEW AT ROOF TRANSITION SECTION A8



ROOF TRANSITION SECTION @ NORTH STAIR H5

1/2" = 1'-0"



WALL SECTION @ NORTH STAIR A1

1/2" = 1'-0"

ARCHITECT

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: WALL SECTIONS
SHEET NUMBER: A-312

BID SET

PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

DRAWN BY: AChor
CHECKED BY: JLuster
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7/3/2025 12:29:30 PM

ELEVATION LEGEND & NOTES

101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
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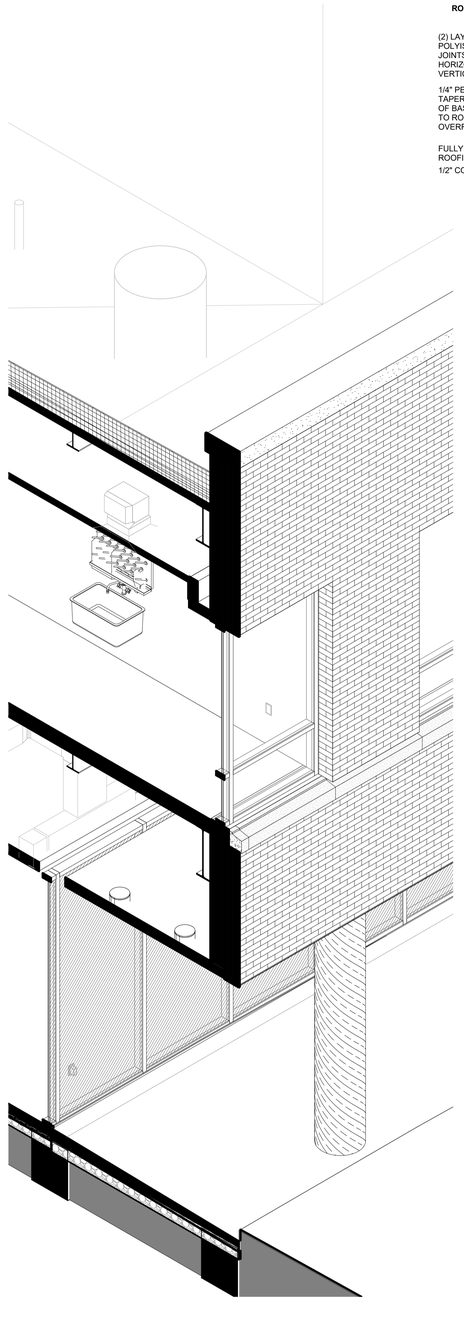
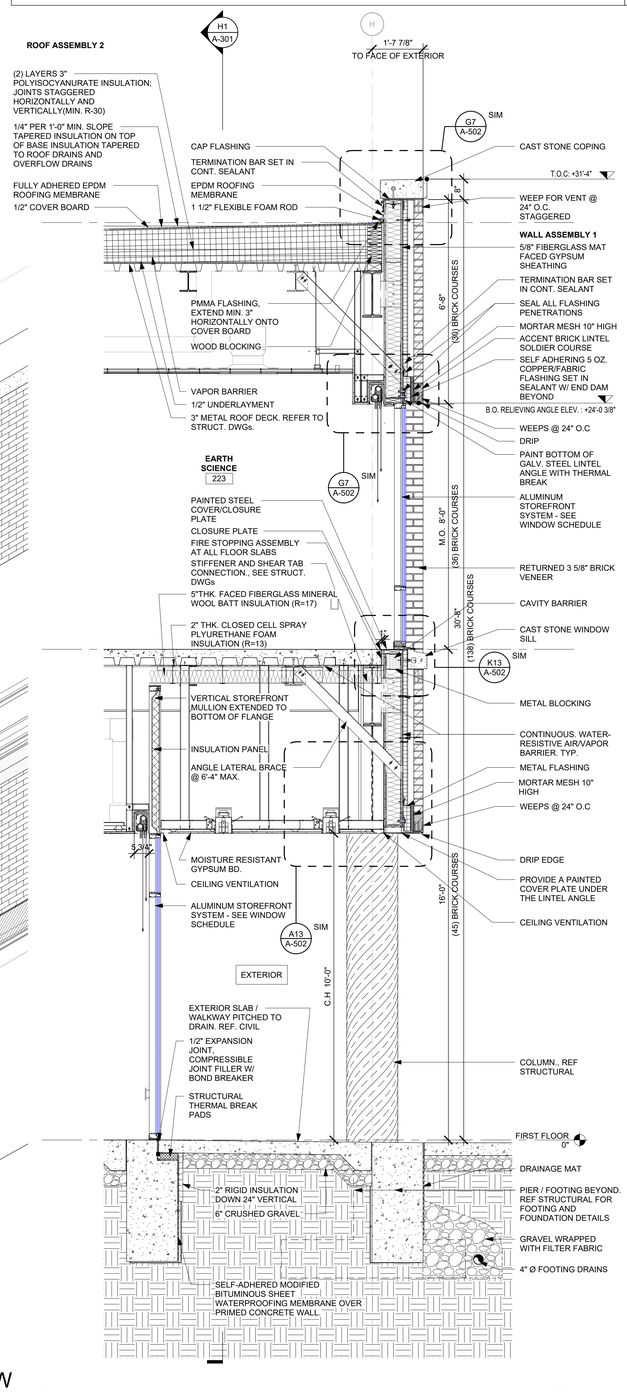
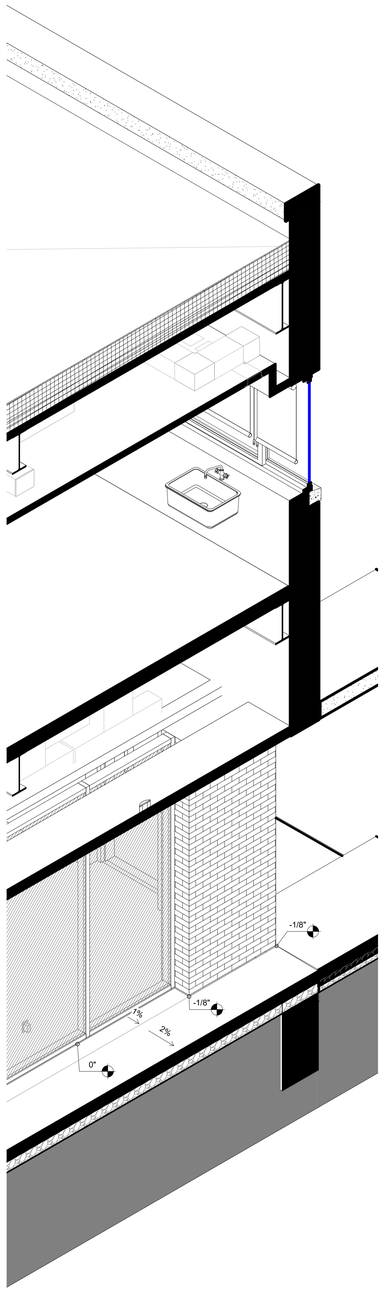


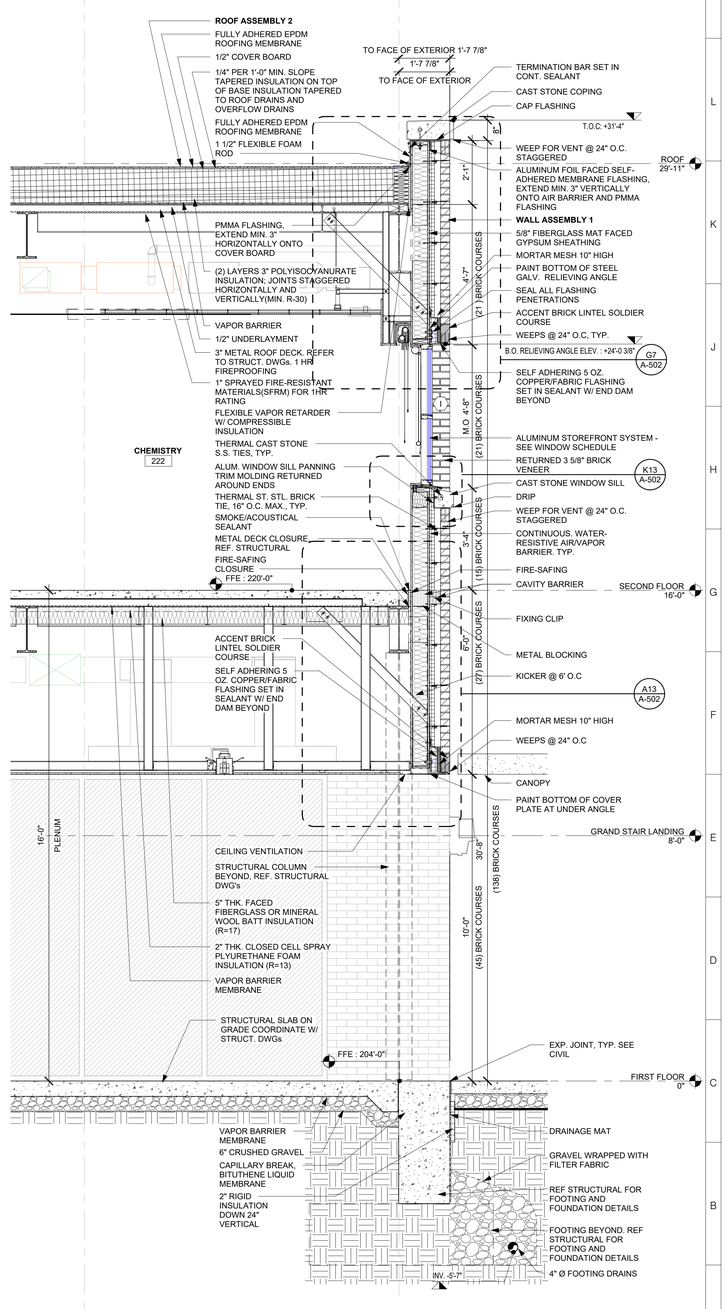
AXONOMETRIC VIEW AT THE ENTRY OVERHANG A14



WALL SECTION AT THE ENTRY OVERHANG 1/2" = 1'-0" A10



AXONOMETRIC VIEW AT WEST OVERHANG A6



WALL SECTION AT WEST OVERHANG 1/2" = 1'-0" A1

ARCHITECT

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SED #: 50-90-00-00-0-044-001

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: WALL SECTIONS

SHEET NUMBER: A-313

BID SET

DRAWER: Author
Current Revit Version
C:\Users\Drivers\Documents\2333403.00 Rockland BOCES P-Tech C-Tech_R23_rvw_2zNmYTJ53vf

7/3/2025 12:29:34 PM

PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

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3. ALIGN MASONRY CONTROL JOINTS WITH MASONRY OPENINGS @ 24'-0" O.C. MAX.

EXTERIOR ASSEMBLIES LEGEND

IECC 2020 CLIMATE ZONE 5
ROOFS : R-30CI:INSULATION ENTIRELY ABOVE ROOF DECK

ROOF ASSEMBLY 1

- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" ACOUSTIC METAL ROOF DECK

ROOF ASSEMBLY 2

- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" METAL ROOF DECK (1HR FIREPROOFING)

ROOF ASSEMBLY (ALTERNATE #3 CONCRETE PAVERS ON PEDESTAL AT ROOF GARDEN)

- 2" THK. PRECAST CONCRETE PAVER (8" X 8") ON PLASTIC PEDESTAL
- 1/2" COVER BOARD
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- 1/2" THK. DRAINAGE MAT
- HOT-FLUID APPLIED ROOFING MEMBRANE
- PITCH TOP SURFACE OF SCREED MIN. 1/4" PER FOOT TO DRAIN
- CLEAVAGE MEMBRANE

WALL ASSEMBLY 1

- 3 5/8" FACE BRICK (FBX)
- 2 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 2" RIGID INSULATION (MIN. R-7.5)
- AIR/VAPOR BARRIER
- 5/8" FIBERGLASS MAT FACED EXTERIOR GYPSUM SHEATHING
- 6" CFMF @ 16" O.C W/ CAVITY BATT INSULATION (MIN. R-13)
- 5/8" GYP BD TYPE X

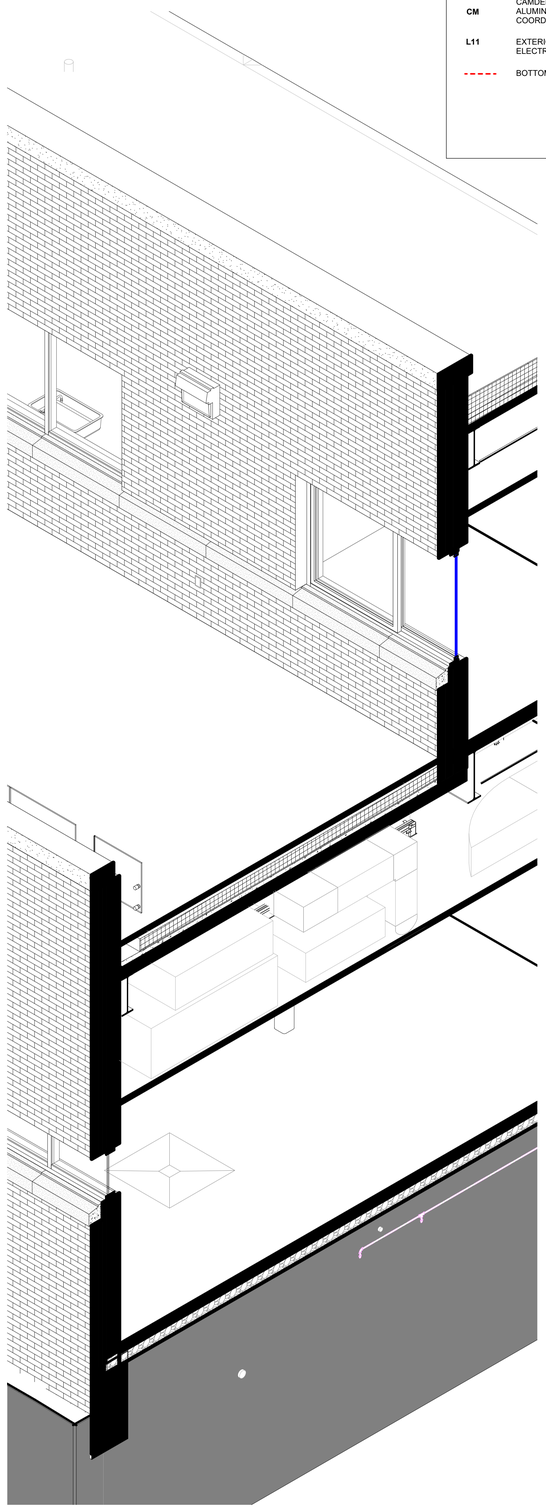
WALL ASSEMBLY 2

- 3 5/8" FACE BRICK (FBX)
- 1 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 3" RIGID INSULATION (MIN. R-11.4)
- AIR/VAPOR BARRIER
- 11 5/8" CMU

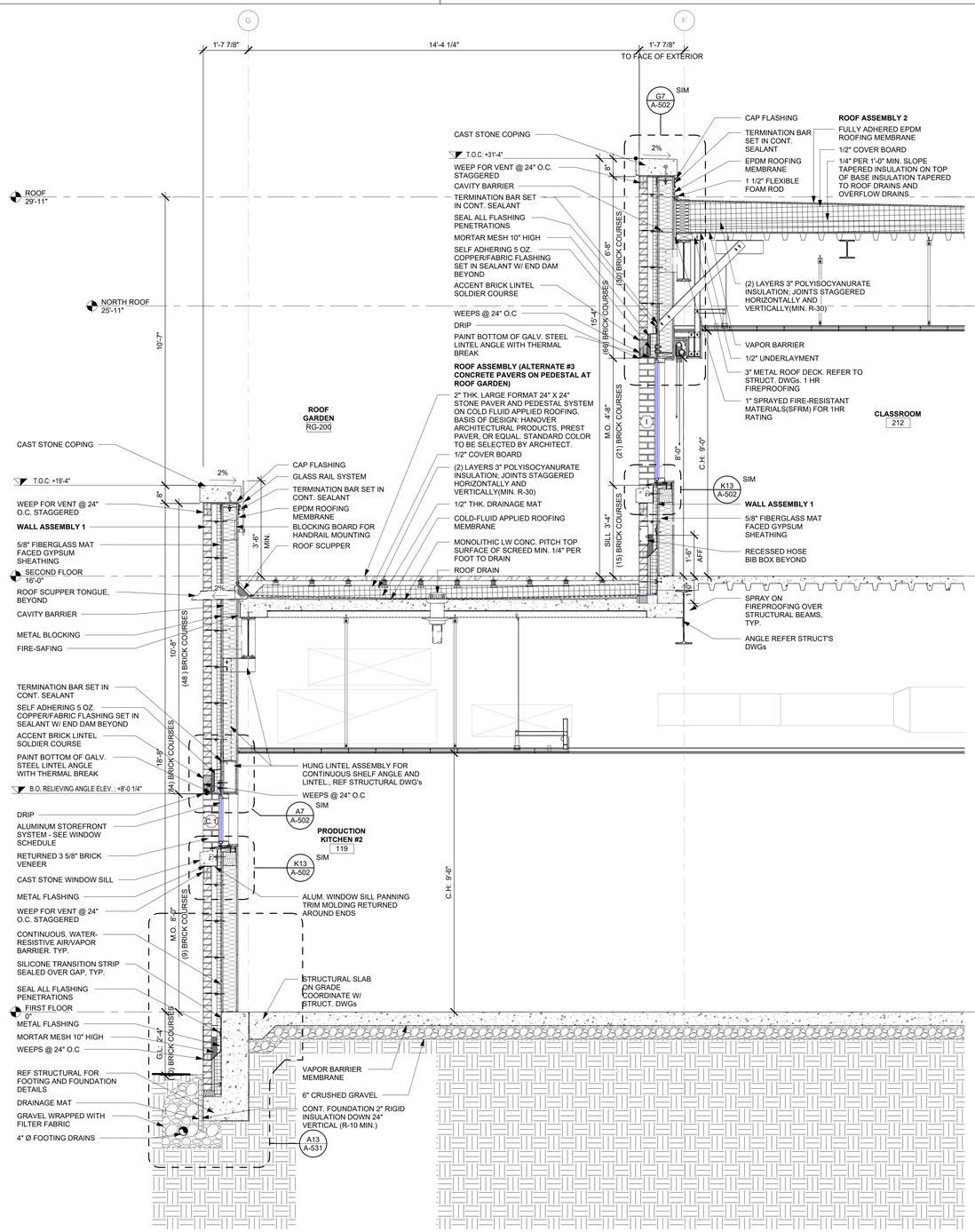
WALLS, BELOW GRADE R-7.5CI

SLAB ON GRADE FLOOR
UNHEATED SLABS:R-10 FOR 24" BELOW

FLOORS
MASS:R-10CI



AXONOMETRIC VIEW THROUGH TERRACE A14



SECTION THROUGH TERRACE A5
1/2" = 1'-0"

WALL SECTION THRU. KITCHEN A1
1/2" = 1'-0"

ARCHITECT

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Structural Engineer

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631-420-9400 office
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Construction Manager:

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REGISTERED ARCHITECT
ARMANDO SAMUEL QUADRINI
022313
STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED:	BID SET ISSUANCE
DATE:	06/30/2025
SCALE:	As indicated
SHEET NAME:	WALL SECTIONS
SHEET NUMBER:	A-314

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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7/3/2025 12:29:38 PM

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ELEVATION LEGEND & NOTES

101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
L11	EXTERIOR WALL MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL SHEETS FOR LIGHTING SCHEDULE
-----	BOTTOM OF RELIEVING / LINTEL ANGLE

GENERAL NOTES

1. WEEPS @ 24" O.C. ABOVE RELIEVING / LINTEL ANGLES ASSEMBLY, TYP.
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ROOF ASSEMBLY 2

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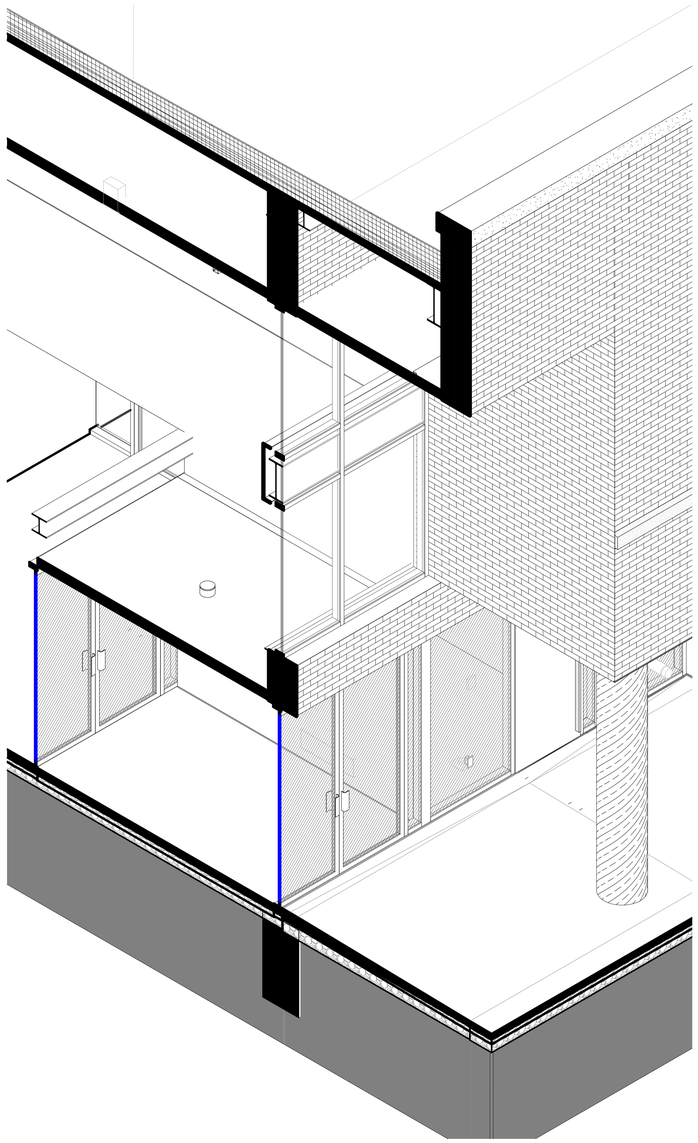
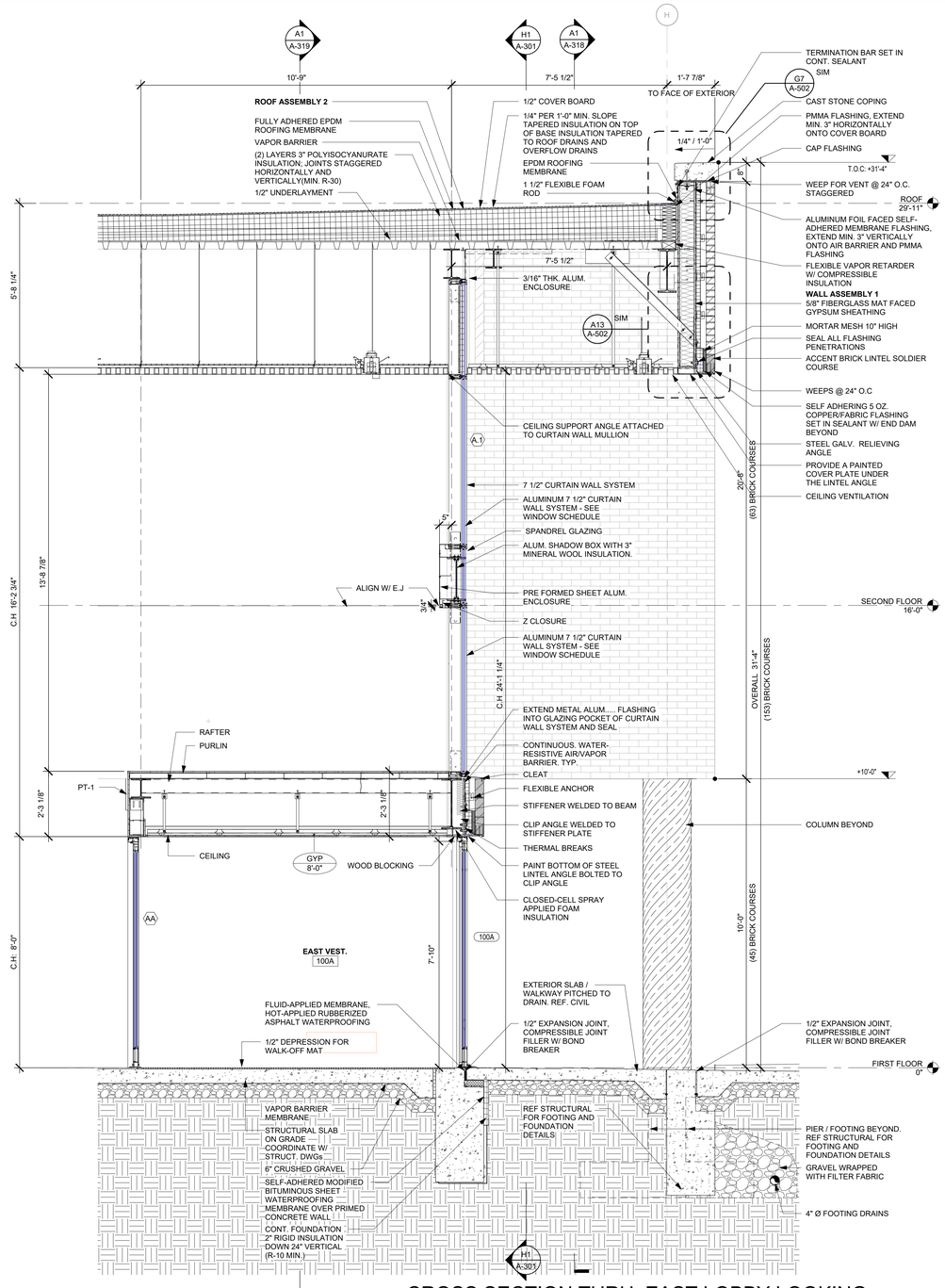
WALLS, BELOW GRADE R-7.5CI

SLAB ON GRADE FLOOR
UNHEATED SLABS:R-10 FOR 24" BELOW

FLOORS
MASS:R-10CI



AXONOMETRIC VIEW
THRU. EAST LOBBY LOOKING NORTH A9



CROSS SECTION THRU. EAST LOBBY LOOKING NORTH A1
1/2" = 1'-0"

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REGISTERED ARCHITECT ARMANDO SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: WALL SECTIONS
SHEET NUMBER: A-315

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/Author
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7/3/2025 12:29:40 PM

PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

ELEVATION LEGEND & NOTES

101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
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ROOF ASSEMBLY 2

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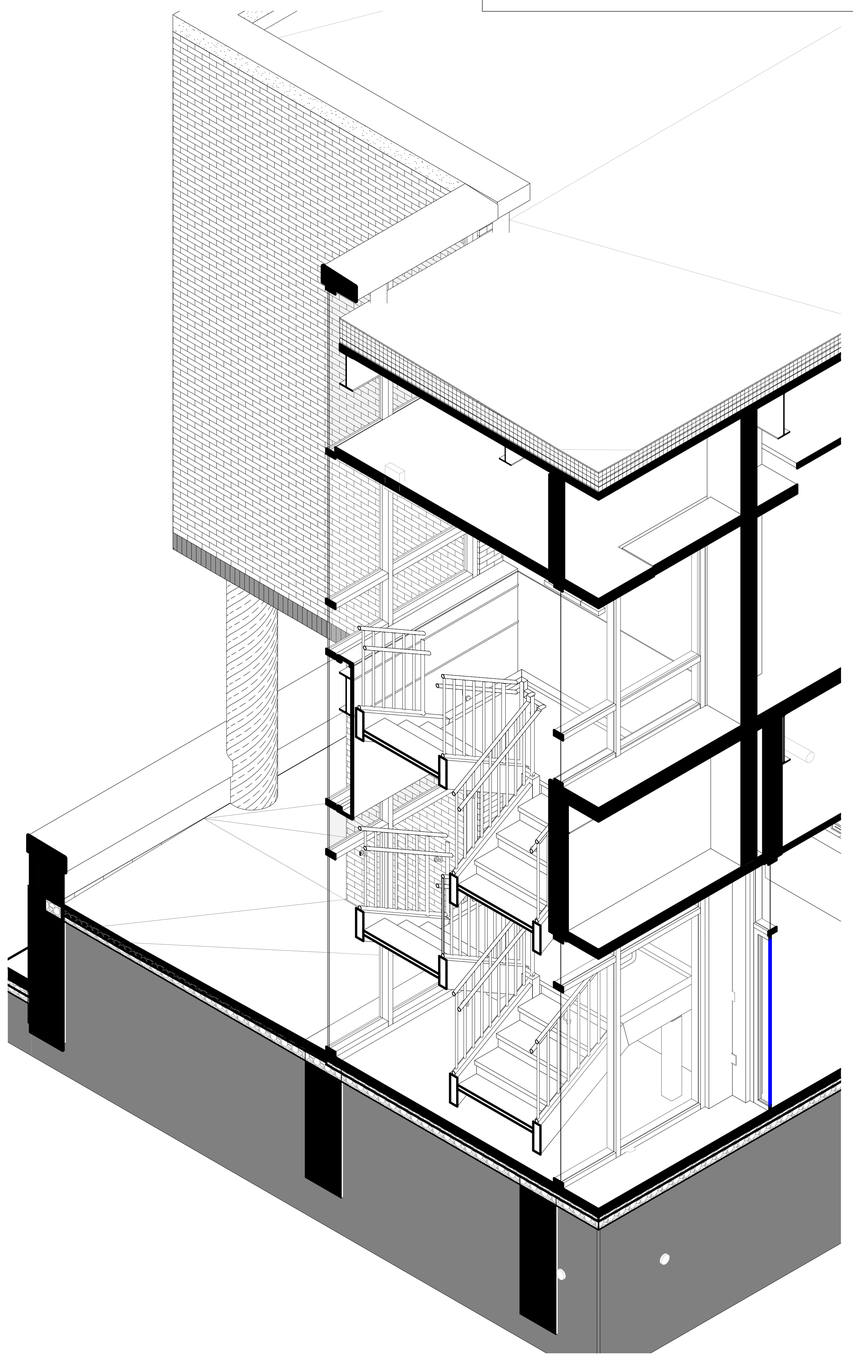
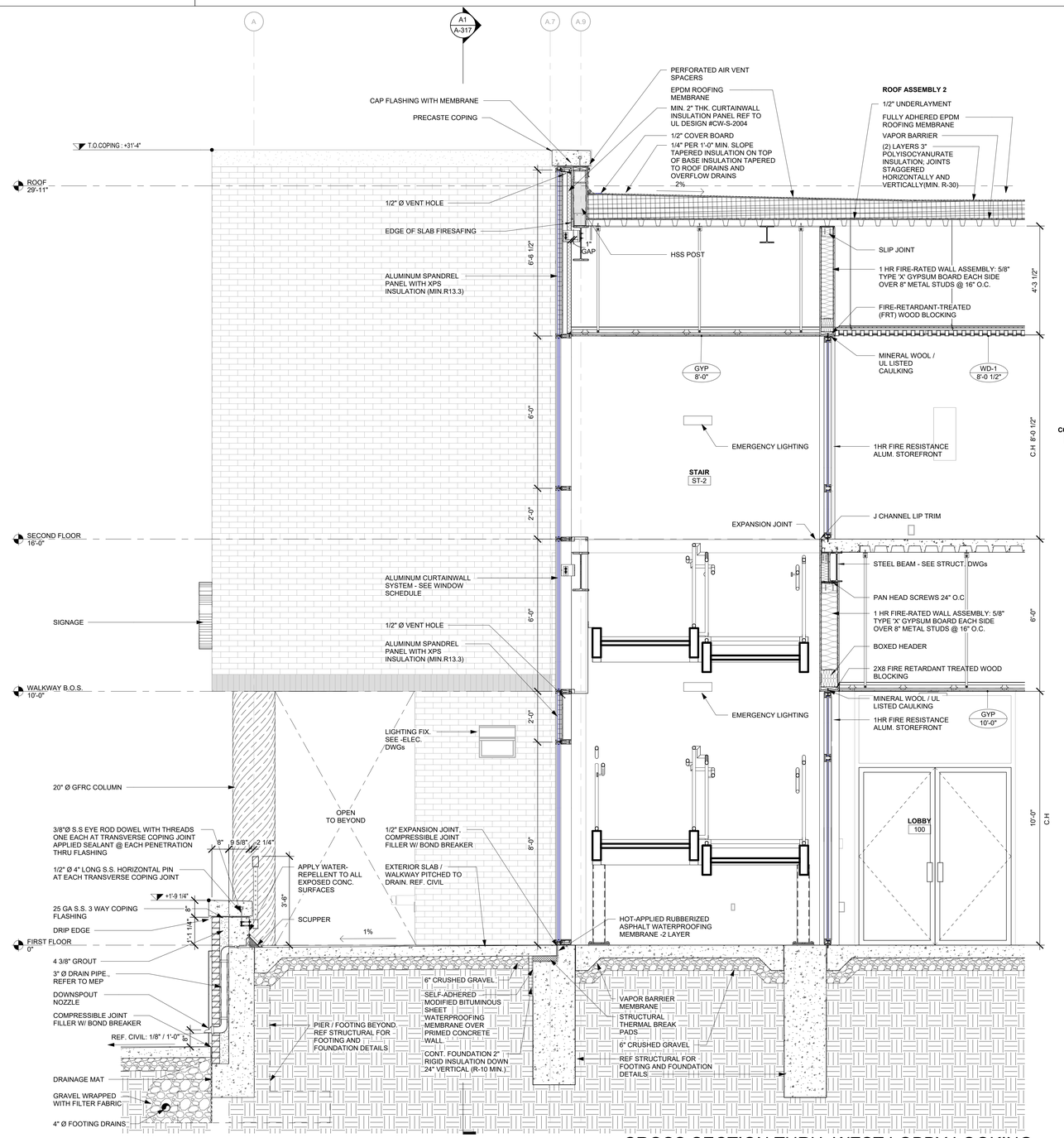
WALLS, BELOW GRADE R-7.5CI

SLAB ON GRADE FLOOR
UNHEATED SLABS:R-10 FOR 24" BELOW

FLOORS
MASS:R-10CI



AXONOMETRIC VIEW
THRU. WEST LOBBY LOOKING NORTH A12



CROSS SECTION THRU. WEST LOBBY LOOKING NORTH A1
1/2" = 1'-0"

ARCHITECT

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REGISTERED ARCHITECT
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022313
STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

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West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
WALL SECTIONS

SHEET NUMBER:
A-316

BID SET

DRAWN BY: jh/hv
CHECKED BY: jh/hv
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7/3/2025 12:29:43 PM
PROJECT NUMBER: 2333403.01
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ELEVATION LEGEND & NOTES

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-----	BOTTOM OF RELIEVING / LINTEL ANGLE

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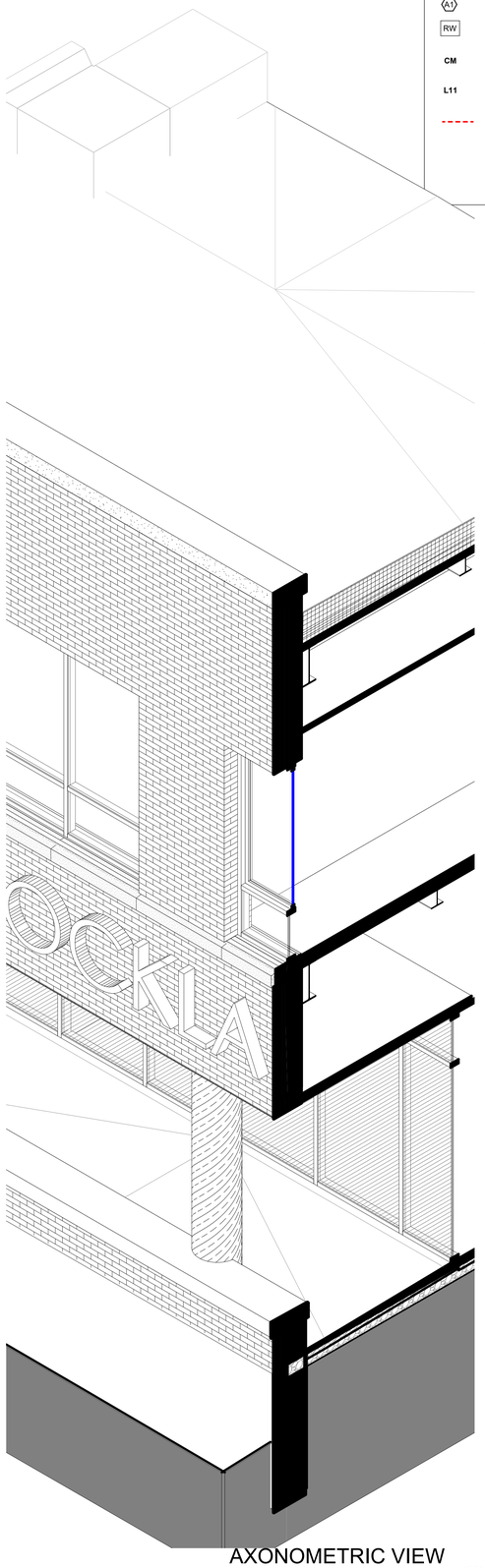
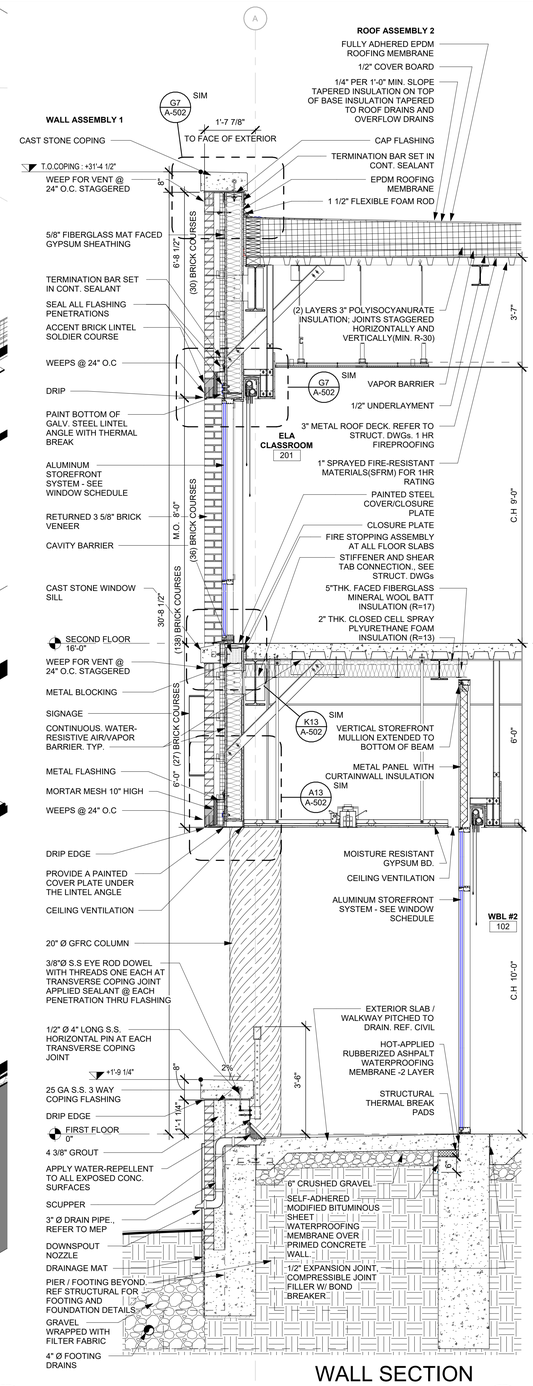
UNHEATED SLABS:R-10 FOR 24" BELOW

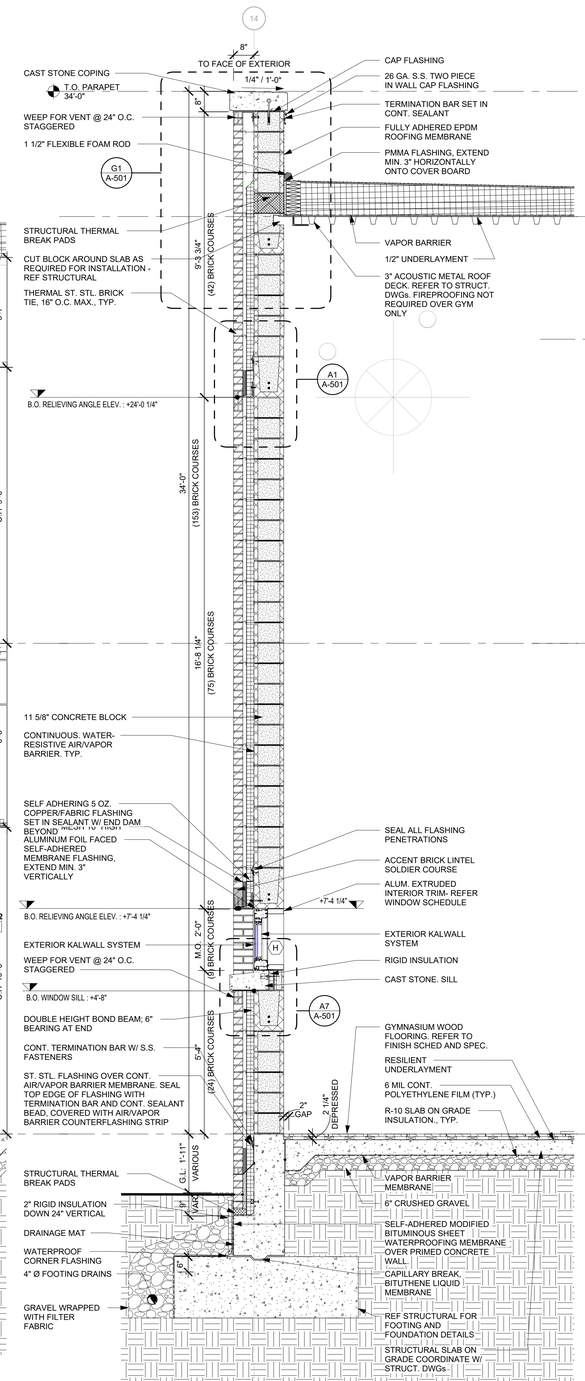
FLOORS
MASS:R-10CI



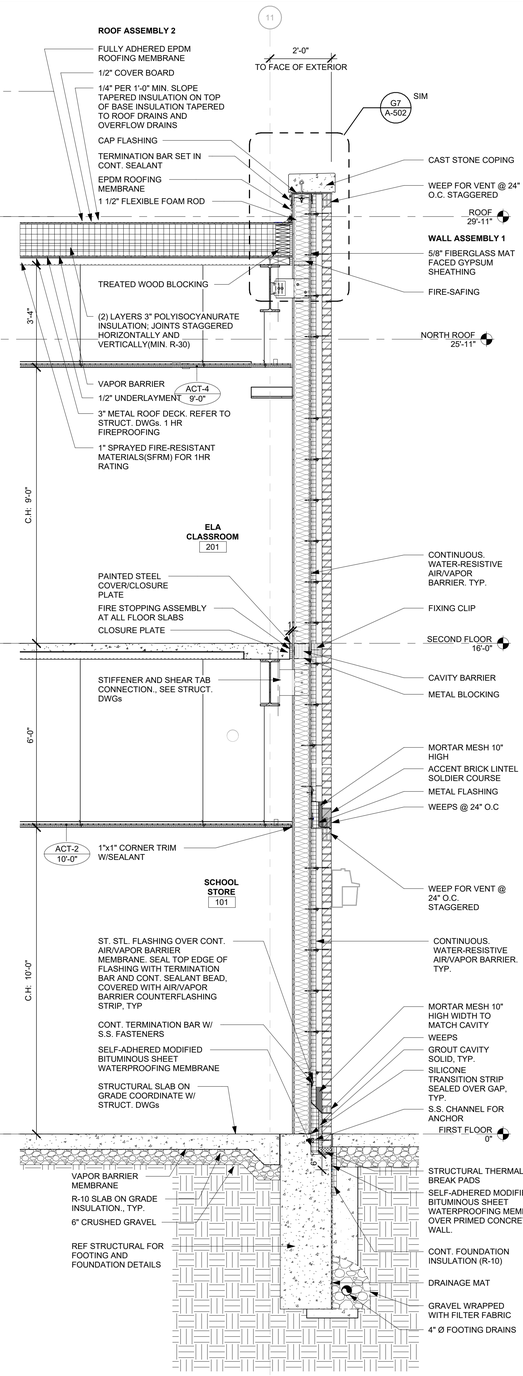
AXONOMETRIC VIEW
AT THE ENTRY OVERHANG EAST A14



WALL SECTION
AT THE ENTRY OVERHANG EAST A10
1/2" = 1'-0"



LONGITUDINAL SECTION THRU. GYM A5
1/2" = 1'-0"



WALL SECTION AT THE SOUTH ENTRY A1
1/2" = 1'-0"

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REGISTERED ARCHITECT RAMANDSAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: WALL SECTIONS
SHEET NUMBER: A-317

BID SET

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\tcromer\Documents\2333403.69 Rockland BOCES P-Tech C-Tech_R25_mar_tcromer.rvt
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ELEVATION LEGEND & NOTES

101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
L11	EXTERIOR WALL MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL SHEETS FOR LIGHTING SCHEDULE
- - - - -	BOTTOM OF RELIEVING / LINTEL ANGLE

GENERAL NOTES

1. WEEPS @ 24" O.C. ABOVE RELIEVING / LINTEL ANGLES ASSEMBLY, TYP.
2. WEEPS FOR VENT @ 24" O.C. STAGGERED AT BELOW PARAPET COPING STONE, RELIEVING / LINTEL ANGLES ASSEMBLY, TYP
3. ALIGN MASONRY CONTROL JOINTS WITH MASONRY OPENINGS @ 24'-0" O.C. MAX.

EXTERIOR ASSEMBLIES LEGEND

IECC 2020 CLIMATE ZONE 5
ROOFS : R-30CI:INSULATION ENTIRELY ABOVE ROOF DECK

ROOF ASSEMBLY 1

- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" ACOUSTIC METAL ROOF DECK

ROOF ASSEMBLY 2

- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" METAL ROOF DECK (1HR FIREPROOFING)

ROOF ASSEMBLY (ALTERNATE #3 CONCRETE PAVERS ON PEDESTAL AT ROOF GARDEN)

- 2" THK. PRECAST CONCRETE PAVER (8" X 8") ON PLASTIC PEDESTAL
- 1/2" COVER BOARD
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- 1/2" THK. DRAINAGE MAT
- HOT-FLUID APPLIED ROOFING MEMBRANE
- PITCH TOP SURFACE OF SCREED MIN. 1/4" PER FOOT TO DRAIN
- CLEAVAGE MEMBRANE

WALL ASSEMBLY 1

- 3 5/8" FACE BRICK (FBX)
- 2 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 2" RIGID INSULATION (MIN. R-7.5)
- AIR/VAPOR BARRIER
- 5/8" FIBERGLASS MAT FACED EXTERIOR GYPSUM SHEATHING
- 6" CFMF @ 16" O.C W/ CAVITY BATT INSULATION (MIN. R-13)
- 5/8" GYP BD TYPE X

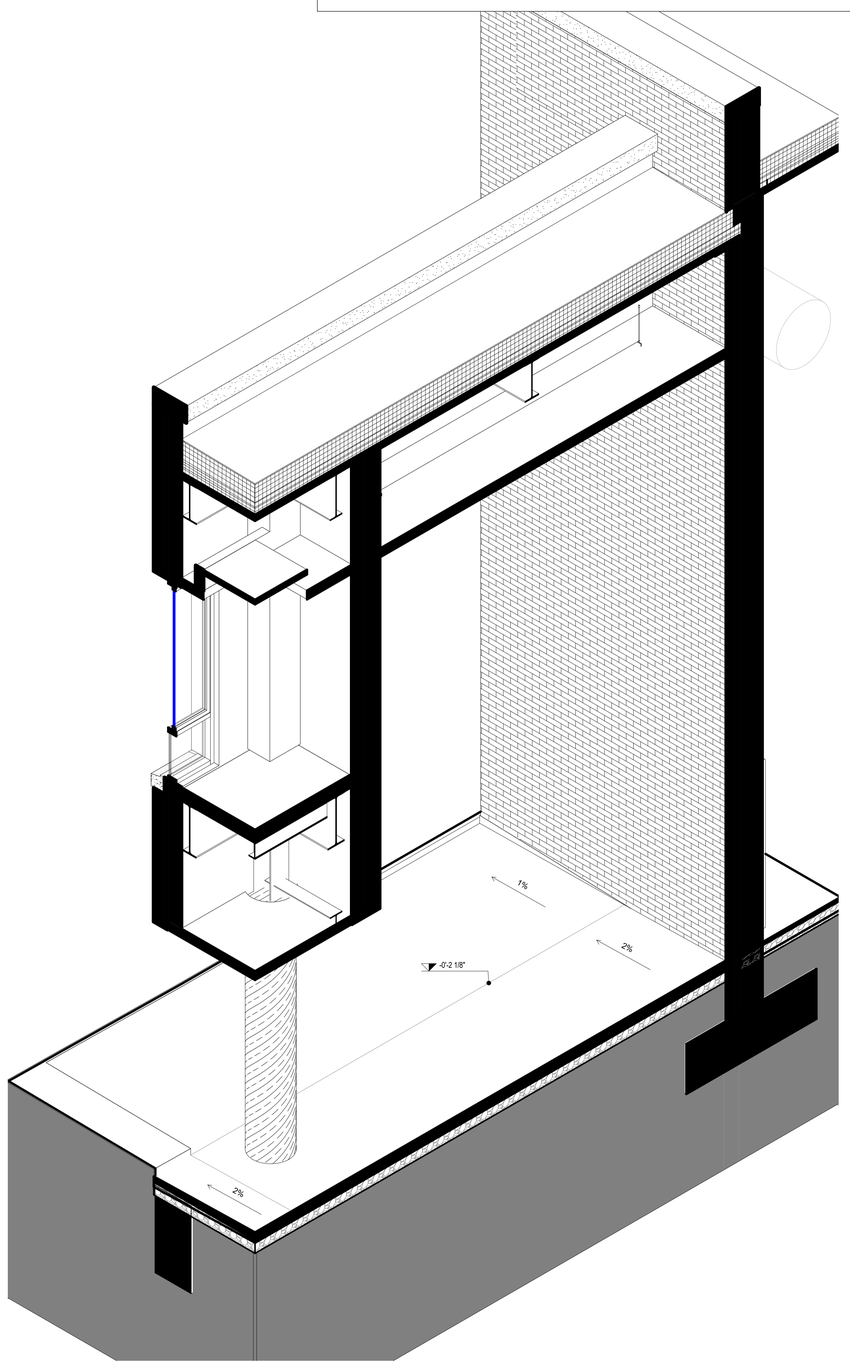
WALL ASSEMBLY 2

- 3 5/8" FACE BRICK (FBX)
- 1 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 3" RIGID INSULATION (MIN. R-11.4)
- AIR/VAPOR BARRIER
- 11 5/8" CMU

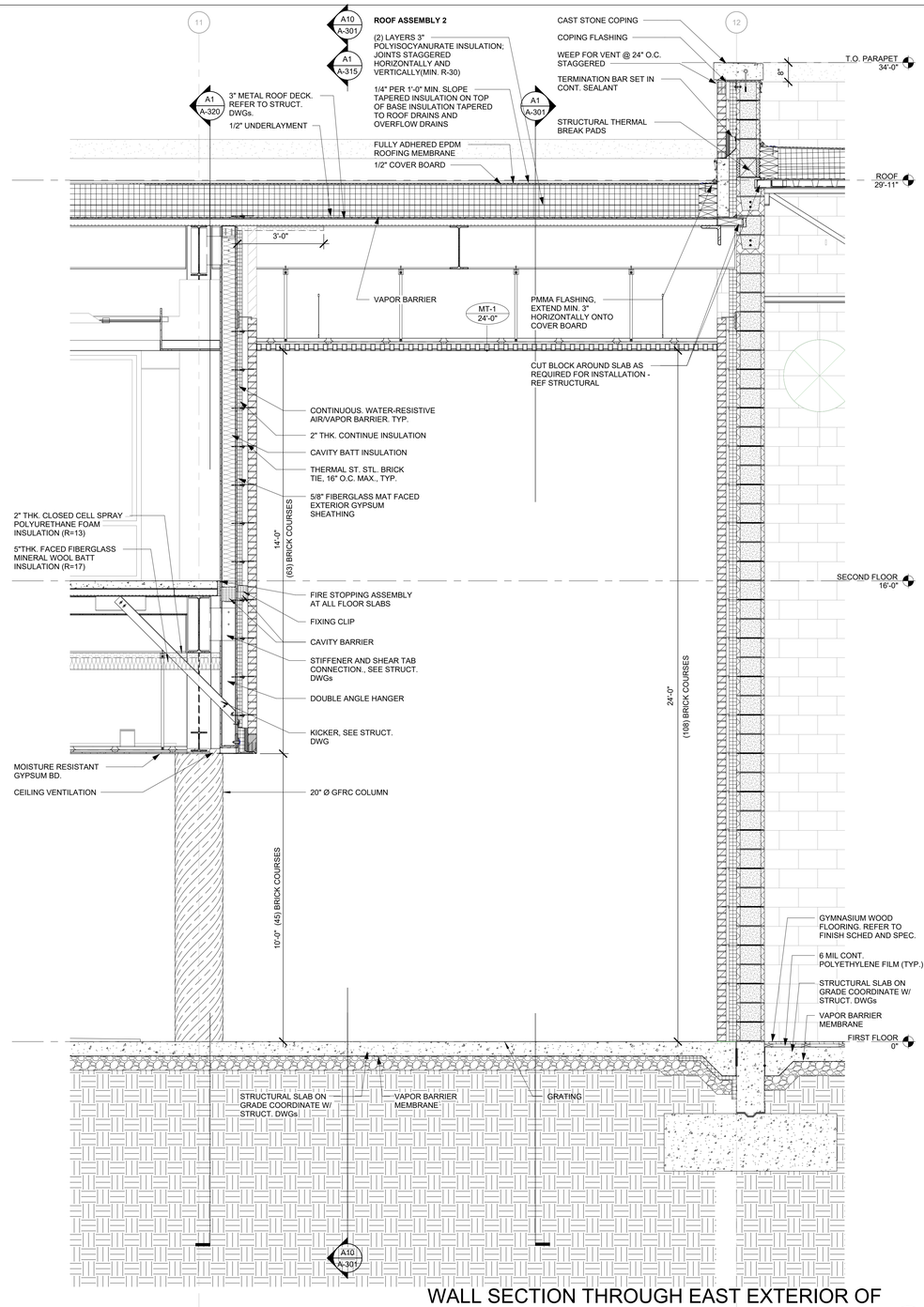
WALLS, BELOW GRADE R-7.5CI

SLAB ON GRADE FLOOR
UNHEATED SLABS:R-10 FOR 24" BELOW

FLOORS
MASS:R-10CI



AXONOMETRIC VIEW THROUGH EAST EXTERIOR OF MAIN ENTRY LOBBY A11



WALL SECTION THROUGH EAST EXTERIOR OF MAIN ENTRY LOBBY A1
1/2" = 1'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: WALL SECTIONS
SHEET NUMBER: A-318

BID SET

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\tcohen\Documents\2333403.69 Rockland BOCES P-Tech C-Tech_R25_mac_tcohenTK2d3.rvt
7/3/2025 12:29:49 PM

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ELEVATION LEGEND & NOTES

101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
L11	EXTERIOR WALL MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL SHEETS FOR LIGHTING SCHEDULE
-----	BOTTOM OF RELIEVING / LINTEL ANGLE

GENERAL NOTES

1. WEEPS @ 24" O.C. ABOVE RELIEVING / LINTEL ANGLES ASSEMBLY, TYP.
2. WEEPS FOR VENT @ 24" O.C. STAGGERED AT BELOW PARAPET COPING STONE, RELIEVING / LINTEL ANGLES ASSEMBLY, TYP
3. ALIGN MASONRY CONTROL JOINTS WITH MASONRY OPENINGS @ 24'-0" O.C. MAX.

EXTERIOR ASSEMBLIES LEGEND

IECC 2020 CLIMATE ZONE 5
ROOFS : R-30CI:INSULATION ENTIRELY ABOVE ROOF DECK

ROOF ASSEMBLY 1

- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" ACOUSTIC METAL ROOF DECK

ROOF ASSEMBLY 2

- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
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- PITCH TOP SURFACE OF SCREED MIN. 1/4" PER FOOT TO DRAIN
- CLEAVAGE MEMBRANE

WALL ASSEMBLY 1

- 3 5/8" FACE BRICK (FBX)
- 2 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 2" RIGID INSULATION (MIN. R-7.5)
- AIR/VAPOR BARRIER
- 5/8" FIBERGLASS MAT FACED EXTERIOR GYPSUM SHEATHING
- 6" CFMF @ 16" O.C W/ CAVITY BATT INSULATION (MIN. R-13)
- 5/8" GYP BD TYPE X

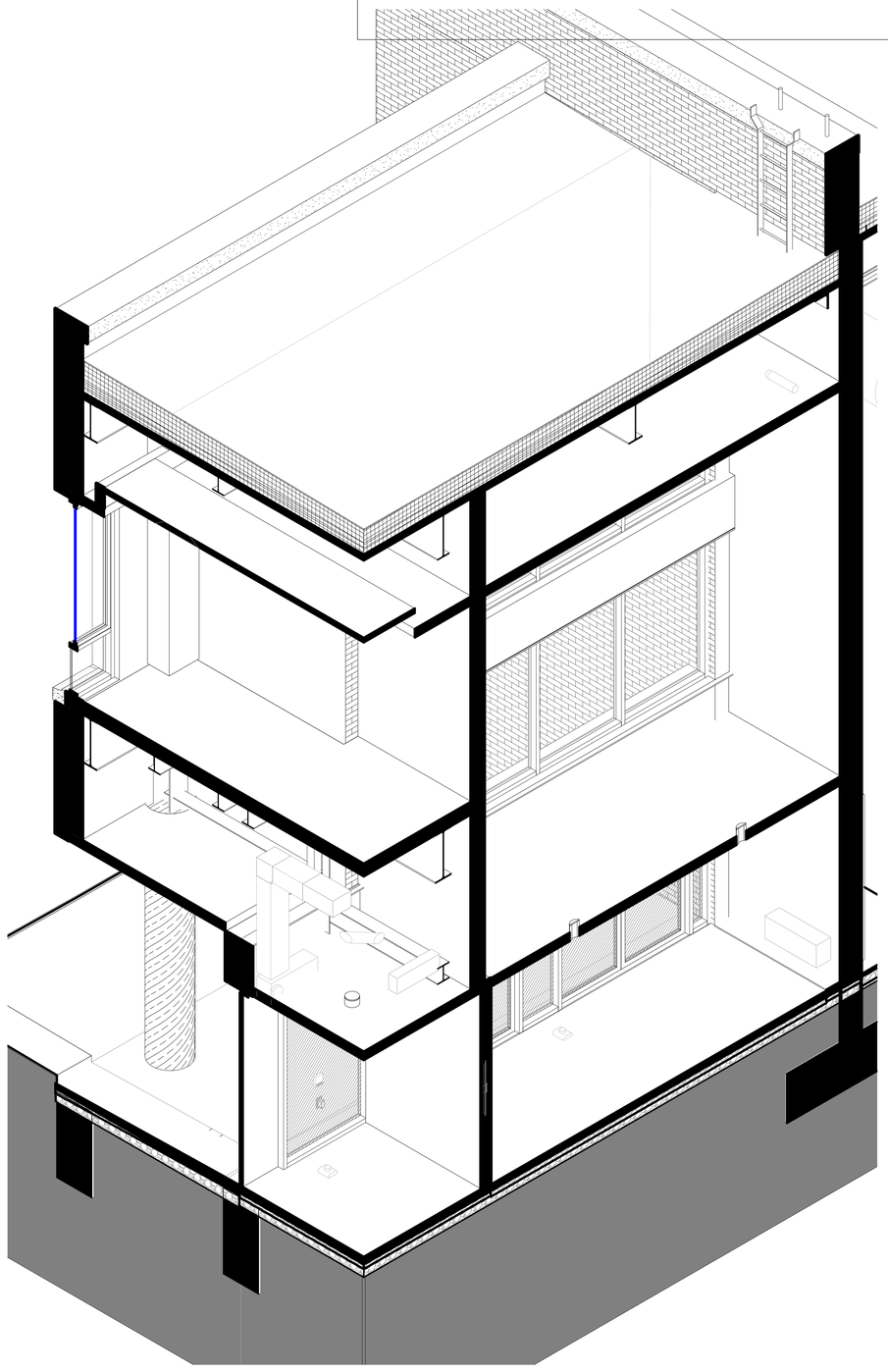
WALL ASSEMBLY 2

- 3 5/8" FACE BRICK (FBX)
- 1 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 3" RIGID INSULATION (MIN. R-11.4)
- AIR/VAPOR BARRIER
- 11 5/8" CMU

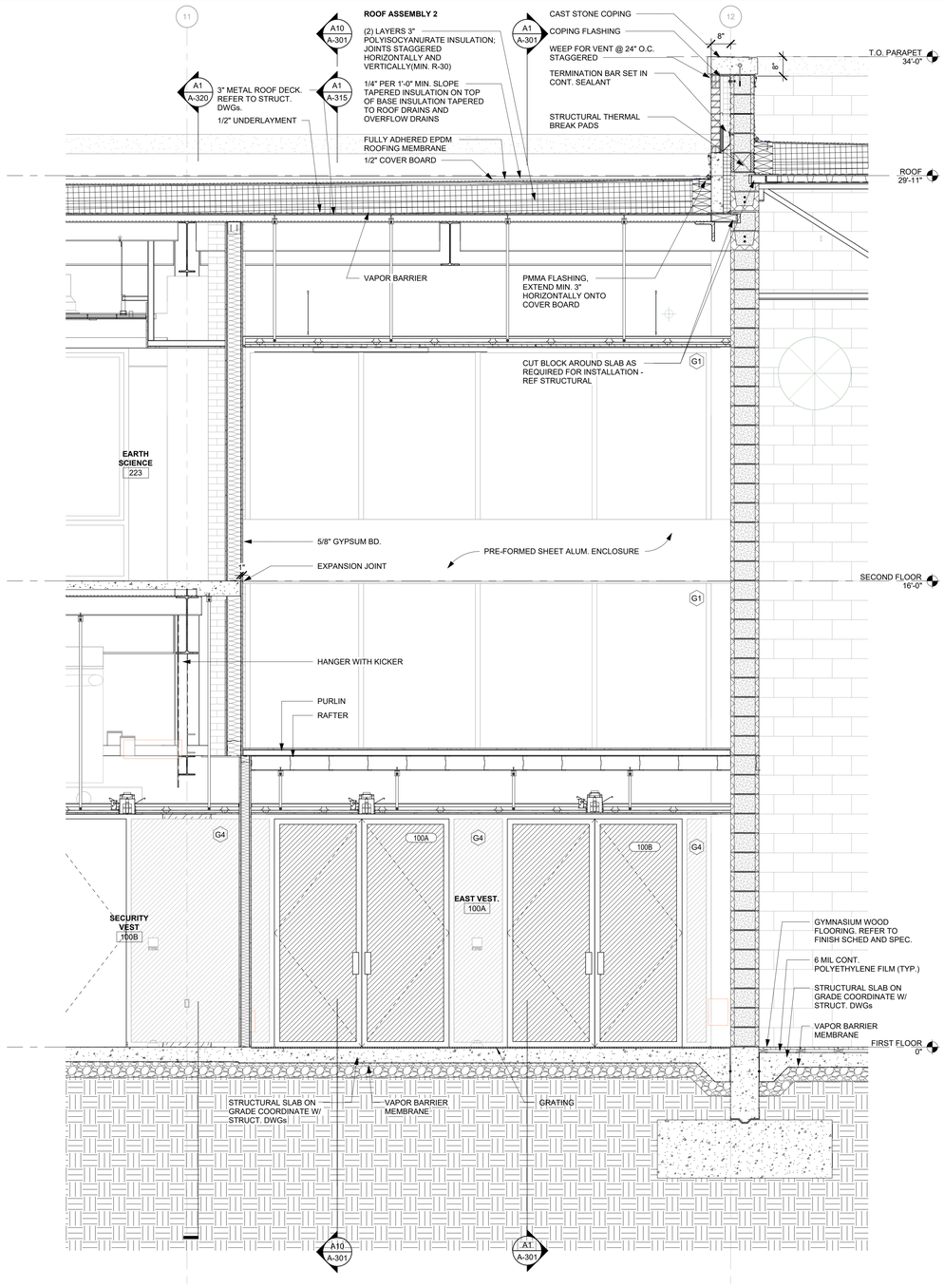
WALLS, BELOW GRADE R-7.5CI

SLAB ON GRADE FLOOR
UNHEATED SLABS:R-10 FOR 24" BELOW

FLOORS
MASS:R-10CI



AXONOMETRIC VIEW THROUGH EAST MAIN ENTRY LOBBY A11



WALL SECTION THROUGH EAST MAIN ENTRY LOBBY A1
1/2" = 1'-0"

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EXP. DATE : 03/31/2028

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ROCKLAND BOCES
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
WALL SECTIONS

SHEET NUMBER:
A-319

BID SET

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CHECKED BY: Author
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7/3/2025 12:29:51 PM

ELEVATION LEGEND & NOTES

101A	DOOR NUMBER, REFER TO DOOR SCHEDULE ON SHEET A-601
A1	STOREFRONT/WINDOW TYPE, REFER TO SHEETS A-621 & A-631
RW	RESCUE WINDOW
CM	CAMDEN CM-42 ADA PUSH BUTTON & CARD READER ALUMINUM POST WITH BRONZE FINISH, COORDINATE WITH ELECTRICAL
L11	EXTERIOR WALL MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL SHEETS FOR LIGHTING SCHEDULE
- - - - -	BOTTOM OF RELIEVING / LINTEL ANGLE

GENERAL NOTES

1. WEEPS @ 24" O.C. ABOVE RELIEVING / LINTEL ANGLES ASSEMBLY, TYP.
2. WEEPS FOR VENT @ 24" O.C. STAGGERED AT BELOW PARAPET COPING STONE, RELIEVING / LINTEL ANGLES ASSEMBLY, TYP
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EXTERIOR ASSEMBLIES LEGEND

IECC 2020 CLIMATE ZONE 5
ROOFS : R-30CI:INSULATION ENTIRELY ABOVE ROOF DECK

ROOF ASSEMBLY 1

- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
- (2) LAYERS 3" POLYISOCYANURATE INSULATION; JOINTS STAGGERED HORIZONTALLY AND VERTICALLY(MIN. R-30)
- VAPOR BARRIER
- 1/2" UNDERLAYMENT
- 3" ACOUSTIC METAL ROOF DECK

ROOF ASSEMBLY 2

- FULLY ADHERED EPDM ROOFING MEMBRANE
- 1/2" COVER BOARD
- 1/4" PER 1'-0" MIN. SLOPE TAPERED INSULATION ON TOP OF BASE INSULATION TAPERED TO ROOF DRAINS AND OVERFLOW DRAINS
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WALL ASSEMBLY 1

- 3 5/8" FACE BRICK (FBX)
- 2 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 2" RIGID INSULATION (MIN. R-7.5)
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- 5/8" GYP BD TYPE X

WALL ASSEMBLY 2

- 3 5/8" FACE BRICK (FBX)
- 1 3/8" AIR SPACE
- CONTINUE INSULATION (CI): 3" RIGID INSULATION (MIN. R-11.4)
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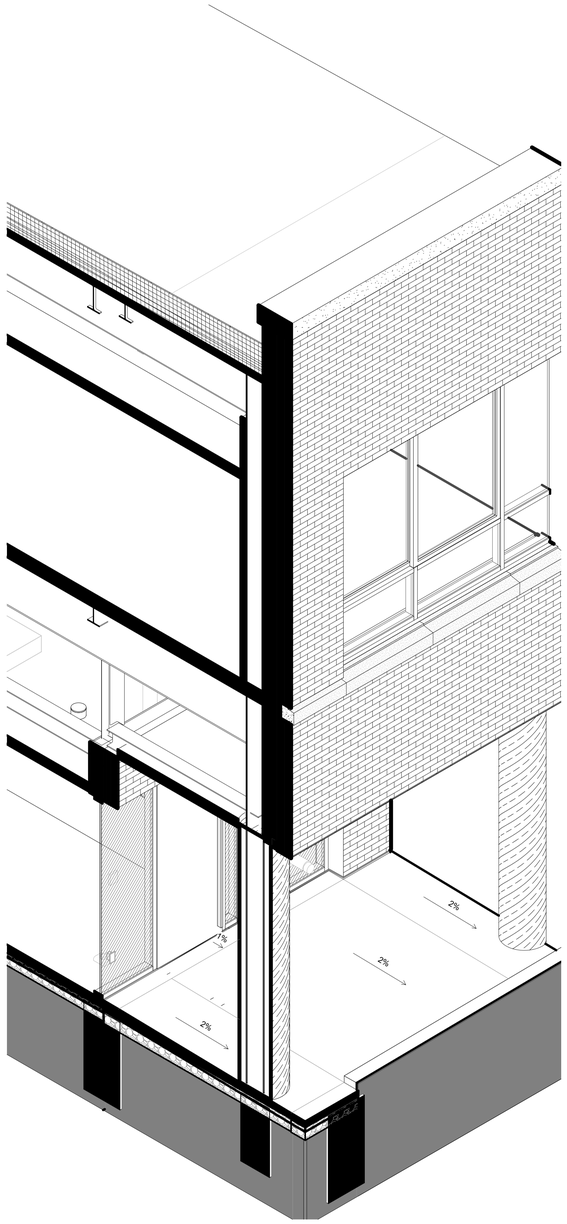
- 11 5/8" CMU

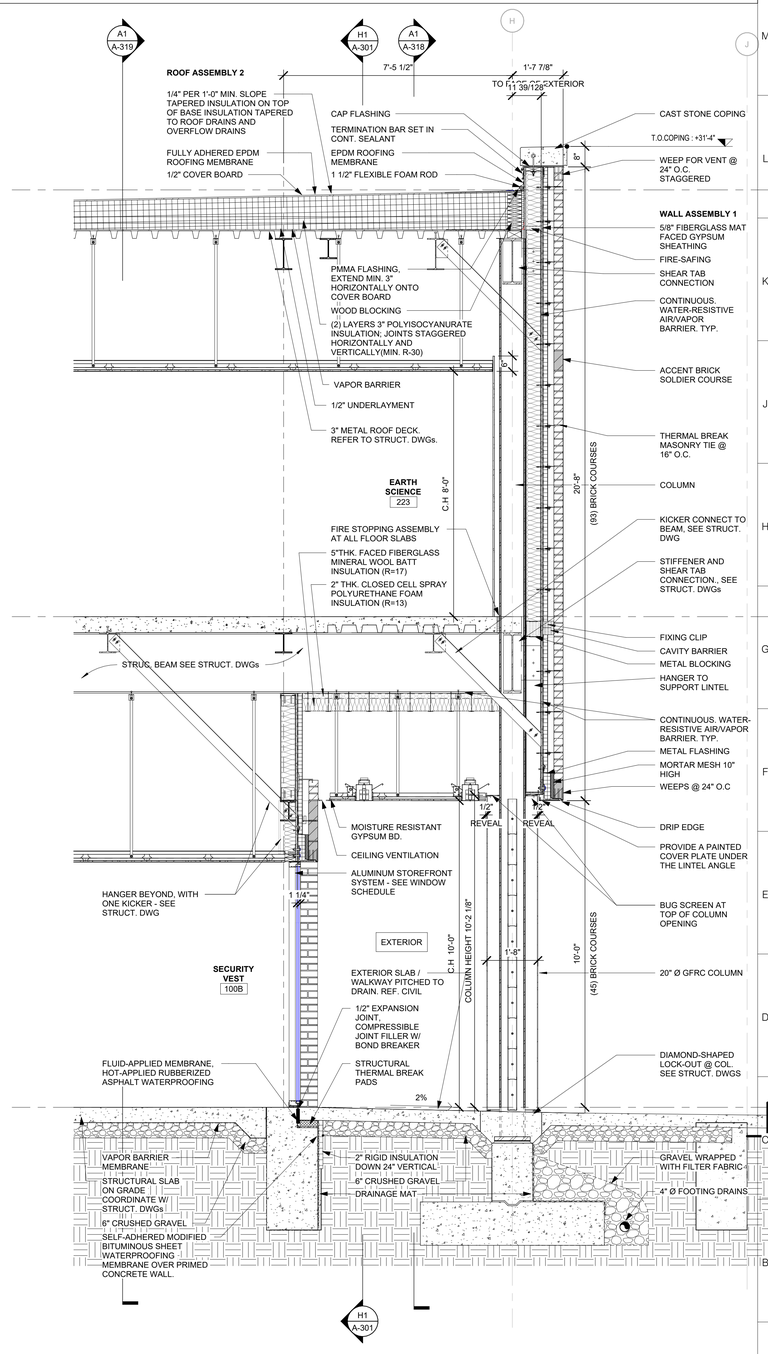
WALLS, BELOW GRADE R-7.5CI

SLAB ON GRADE FLOOR
UNHEATED SLABS:R-10 FOR 24" BELOW

FLOORS
MASS:R-10CI



AXONOMETRIC VIEW THROUGH EXTERIOR OVERHANG AND SUPPORT COLUMN — A8



WALL SECTION THROUGH EXTERIOR OVERHANG AND SUPPORT COLUMN — A1
1/2" = 1'-0"

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: WALL SECTIONS
SHEET NUMBER: A-320

BID SET

DRAWN BY Author
CHECKED BY Checker
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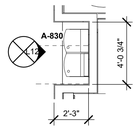
7/3/2025 12:29:53 PM

PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

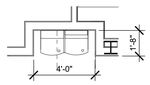
TOILET ACCESSORY SCHEDULE

TAG	PRODUCT	MANUFACTURER	PRODUCT NUMBER	FINISH	COMMENTS
TA-1	ROVAL SURFACE MOUNTED TWIN HIDE-A-ROLL TOILET TISSUE DISPENSER	AMERICAN SPECIALTIES	20030	STAINLESS STEEL-SATIN	ALL TOILETS
TA-2	WELDED-FRAME MIRROR (24x"36")	BOBRICK OR EQ	B-290	SATIN STAINLESS STEEL	ALL TOILETS. (CENTER OVER FAUCETS)
TA-3	ROVAL SANITARY NAPKIN DISPOSAL	AMERICAN SPECIALTIES	20852	SATIN STAINLESS STEEL	IN ALL WOMEN'S TOILETS
TA-4	DELTA STAINLESS STEEL VERTICAL LIQUID SOAP DISPENSER	DELTA	44080-SS	BRUSHED STAINLESS STEEL	ALL TOILETS
TA-5	SEMI-RECESSED MOUNTED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE, 12-GALLON WASTE	BOBRICK OR EQ	B-3942	SATIN STAINLESS STEEL	ALL TOILETS
TA-6	LOCKER ROOM BENCH (48" X 9-1 /2")	ROBINSON STEEL CO.	SEE SPEC	SANDCASTLE ON STEEL GRAY PEDESTAL	LOCKER ROOMS. 2 PER ROOM
TA-7	ADA BENCH (48"X20")	ROBINSON STEEL CO.	SEE	SANDCASTLE ON STEEL GRAY PEDESTAL	FITNESS CENTER
TA-8	1- 1/4" DIA GRAB ABR SERIES WITH SNAP ON FLANGE COVERS	AMERICAN SPECIALTIES	3700	STAINLESS STEL	ACCESSIBLE TOILETS. *LENGTHS & CONFIGURATIONS AS INDICATED ON DRAWINGS AND SHEET G-052 (36",42" & 20")
TA-9	SHELF WITH MOP AND BROOM HOLDERS AND HOOKS	BOBRICK OR EQ	B-239 X 34	SATIN STAINLESS STEEL	JANITOR CLOSET
TA-10	RECESSED MOUNTED STAINLESS STEEL CLAD BABY CHANGING STATION	KOALA KARE PRODUCTS	KB110-SSRE	STAINLESS STEEL	PUBLIC TOILETS
TA-11	LAVATORY, 1 STATION	BRADLEY CORP	RE: PLUMBING DWGS	POLAR ICE	ALL TOILETS. BOWL AND COUNTERTOP TO MATCH
TA-12	LAVATORY, 2 STATION	BRADLEY CORP	RE: PLUMBING DWGS	POLAR ICE	ALL TOILETS. BOWL AND COUNTERTOP TO MATCH
TA-13	LAVATORY, 3 STATION	BRADLEY CORP	RE: PLUMBING DWGS	POLAR ICE	ALL TOILETS. BOWL AND COUNTERTOP TO MATCH
TA-14	LAVATORY, 4 STATION	BRADLEY CORP	RE: PLUMBING DWGS	POLAR ICE	ALL TOILETS. BOWL AND COUNTERTOP TO MATCH
TA-15	LOCKERS	ASI STORAGE SOLUTIONS	TRADITIONAL PLUS COLLECTION	BLUE FROST	LOCKER ROOMS
TA-16	NOT USED				
TA-17	TOILET PARTITIONS	BRADLEY CORP	400 SERIES	PNENOLIC CORE-FASHION GREY D381	MULTI- USE TOILETS
TA-18	DOUBLE ROBE HOOK	AMERICAN SPECIALTIES	7345	STAINLESS STEEL-SATIN	ALL TOILETS
TA-19	ADA BENCH (42"X20")	ROBINSON STEEL CO.	SEE SPEC	SANDCASTLE ON STEEL GRAY PEDESTAL	LOCKER ROOMS
TA-20	FULL BODY MIRROR (18"x60")	BRADLEY CORP	781 CHANNEL FRAME		LOCKER ROOMS & MULTI-USE TOILETS
TA-21	URINAL SCREEN (48"H X24"D)	BRADLEY CORP	WALL HUNG	MATCH TOILET PARTITIONS	

PROVIDE BLOCKING FOR ALL ACCESSORIES
SEE G-052 FOR MOUNTIG HEIGHTS



2ND FLOOR DRINKING FOUNTAIN J8
1/4" = 1'-0"



1ST FLOOR DRINKING FOUNTAIN J5
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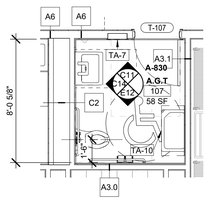
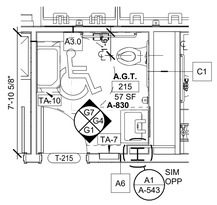
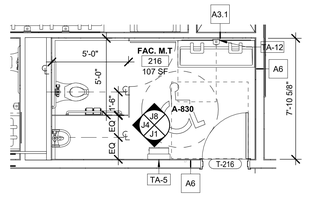


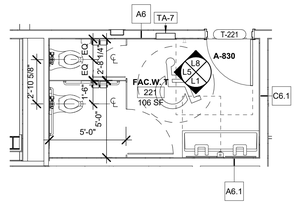
1ST FL. ALL GENDER WC F14
1/4" = 1'-0"



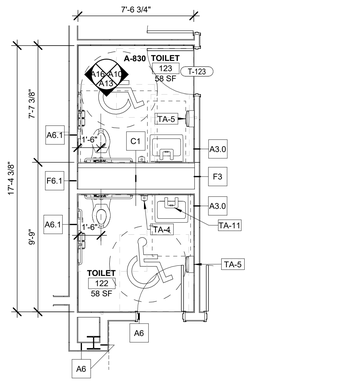
2ND FL. ALL GENDER WC F11
1/4" = 1'-0"



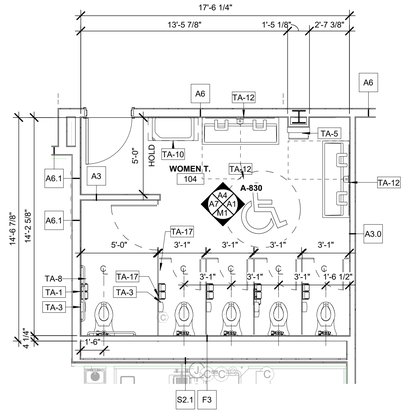
2ND FL. MEN'S FAC. WC F8
1/4" = 1'-0"



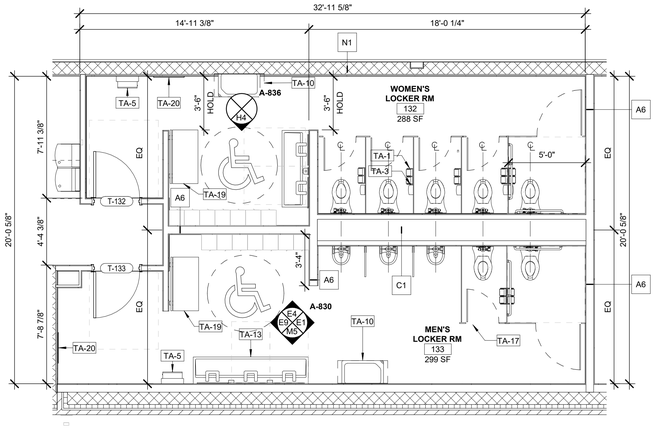
2ND FL. WOMEN'S FAC. WC F4
1/4" = 1'-0"



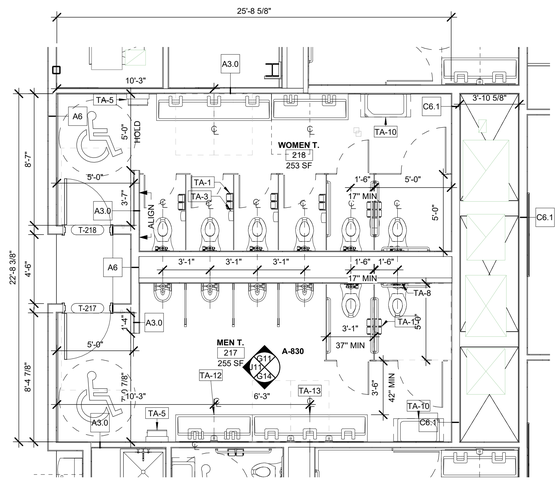
1ST FL. FACULTY TOILETS F1
1/4" = 1'-0"



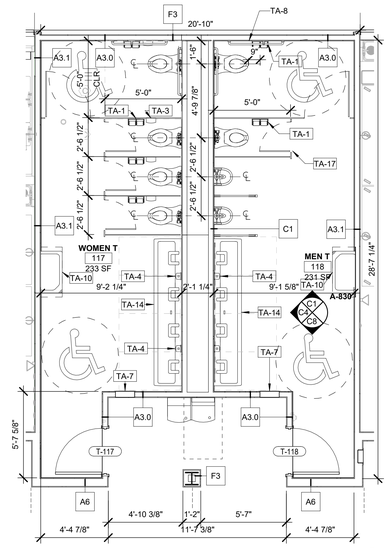
1ST FL WOMEN'S TOILETS A15
1/4" = 1'-0"



1ST FL LKR RM TOILETS A10
1/4" = 1'-0"



2ND FLOOR ADA TOILETS A5
1/4" = 1'-0"



1ST FLOOR ADA TOILETS A1
1/4" = 1'-0"

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EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
ENLARGED FLOOR PLANS - TOILETS AND DRINKING FOUNTAINS
SHEET NUMBER:
A-401

BID SET

DRAWN BY: AChor
CHECKED BY: AQuadrini
C:\Users\Dorheb\Documents\2333403.01 Rockland BOCES P-Tech C-Tech_R23_vsw_1orheb1TF.d31.rvt
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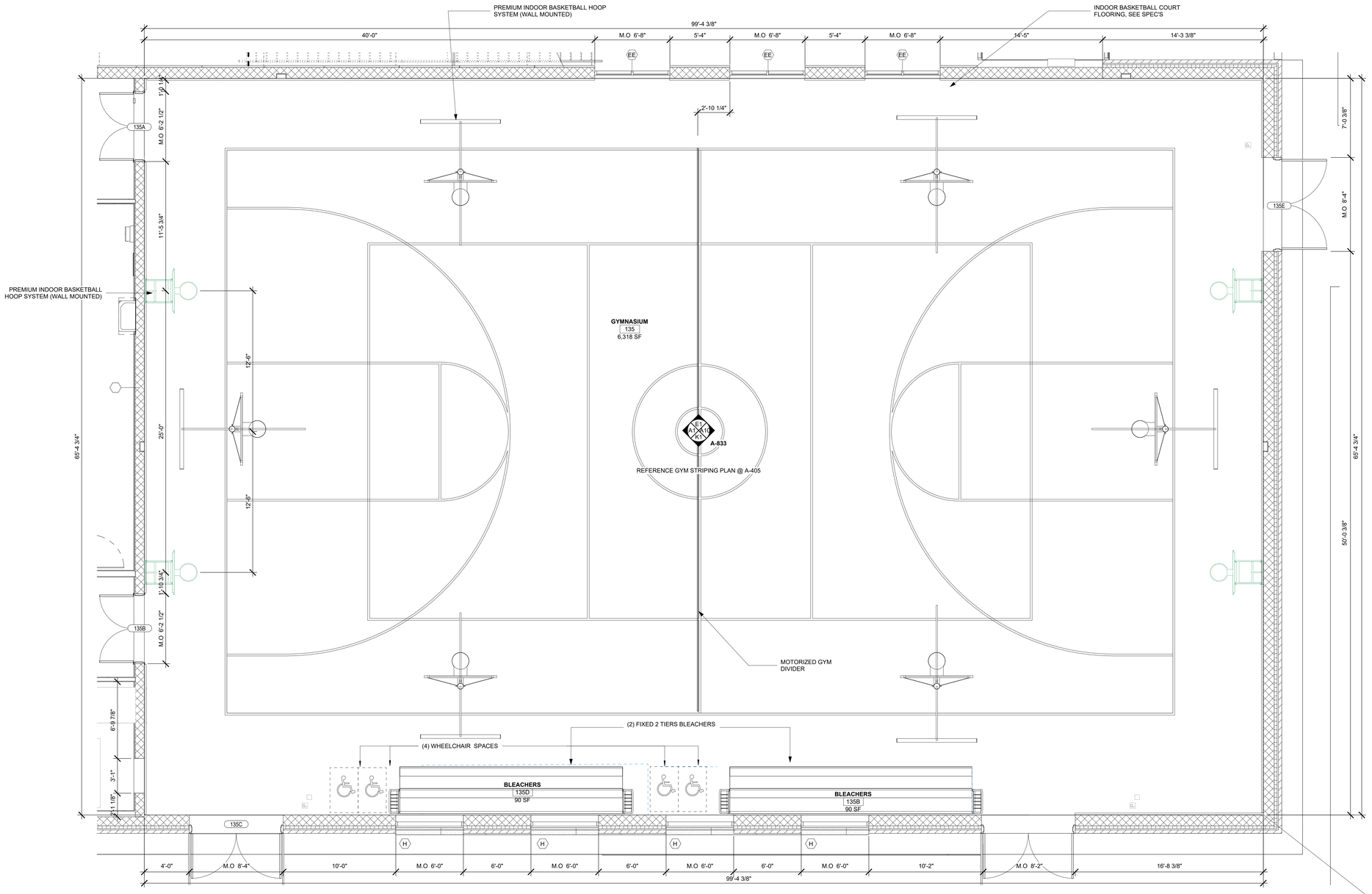

ENLARGED FLOOR PLAN - GYMNASIUM

1/4" = 1'-0"

A1

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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: ENLARGED FLOOR PLANS - GYMNASIUM
SHEET NUMBER: A-402

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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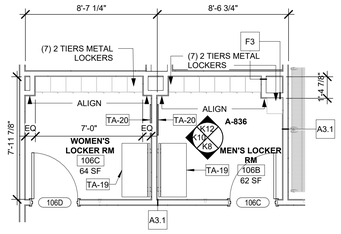
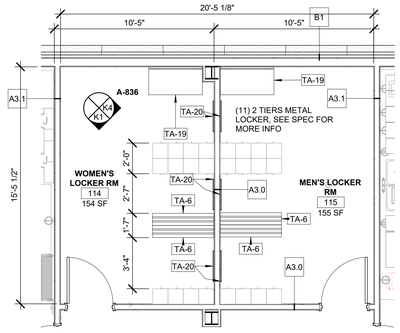


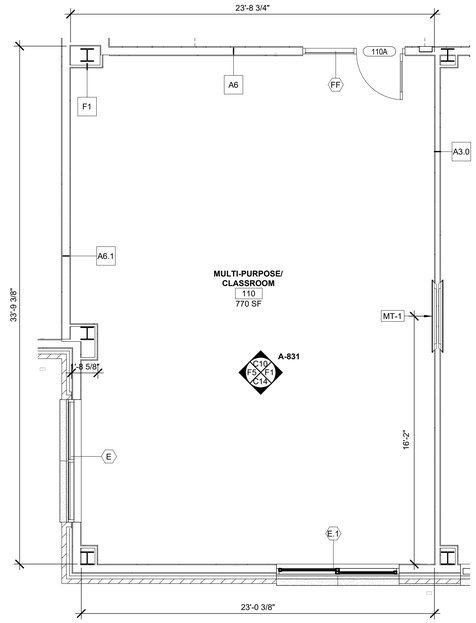
ENLARGED FLOOR PLAN LOCKER RMS 109 & 108

1/4" = 1'-0" J16



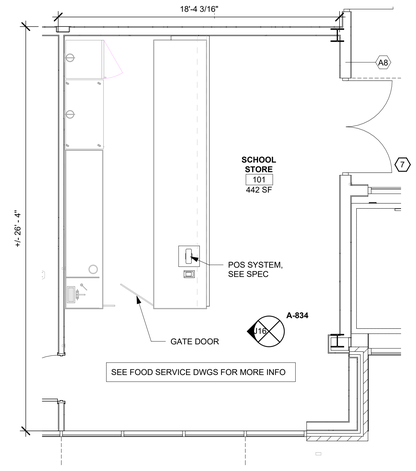
ENLARGED FLOOR PLAN LOCKER RMS 116A & 117A

1/4" = 1'-0" J12



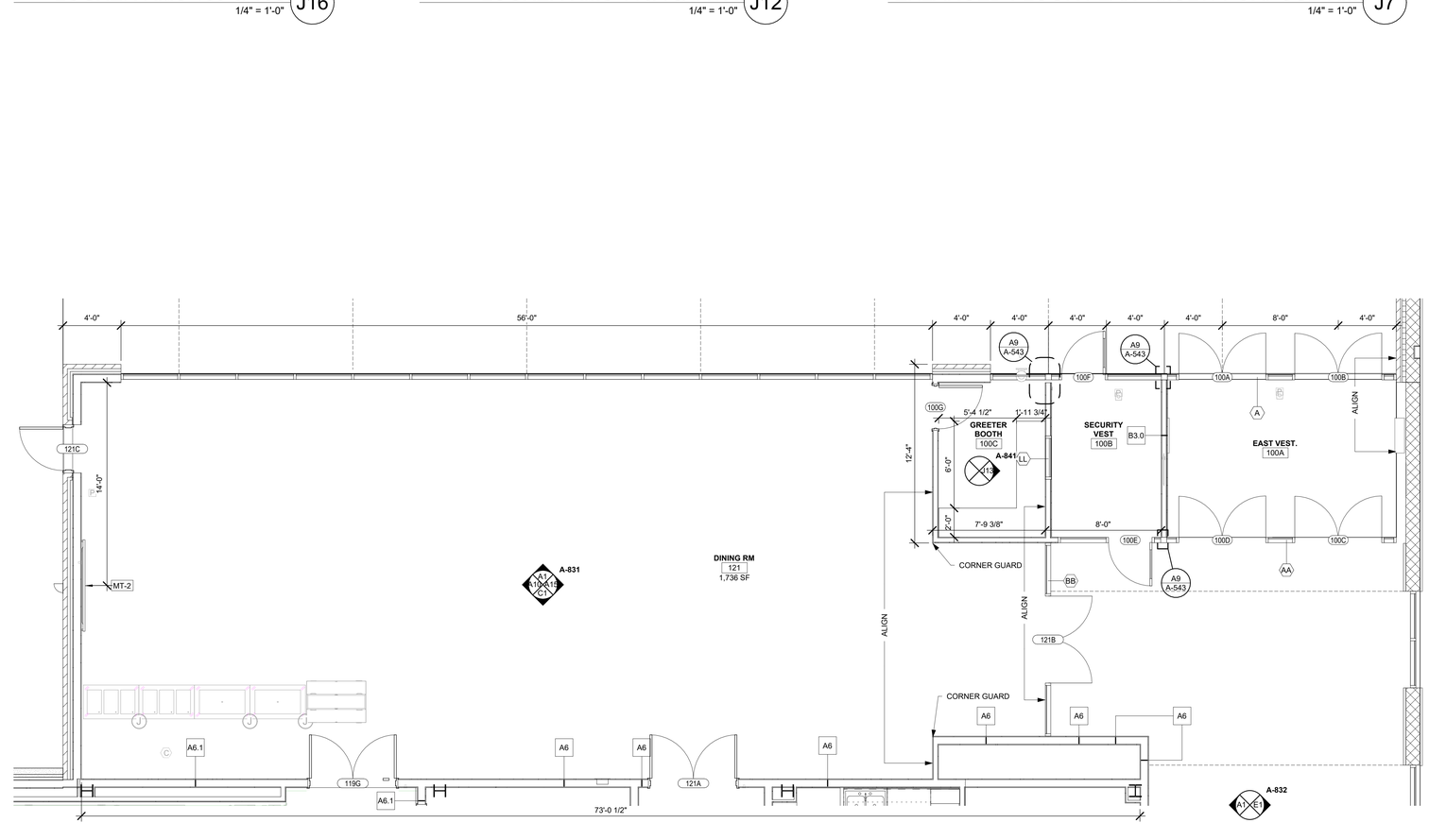
ENLARGED FLOOR PLAN - MULTI-PURPOSE RM

1/4" = 1'-0" J7



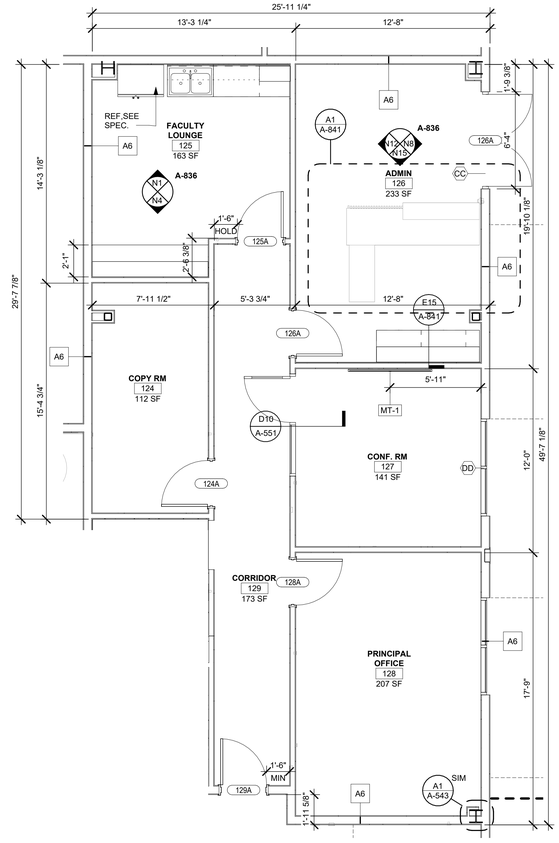
SCHOOL STORE ENLARGED PLAN

1/4" = 1'-0" J1



ENLARGED FLOOR PLAN - DINING RM & STORAGE

1/4" = 1'-0" A6



ENLARGED FLOOR PLAN - ADMIN. OFFICES

1/4" = 1'-0" A1

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STATE OF NEW YORK

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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: ENLARGED FLOOR PLANS - FIRST FLOOR
SHEET NUMBER: A-403

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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7/3/2025 12:30:04 PM

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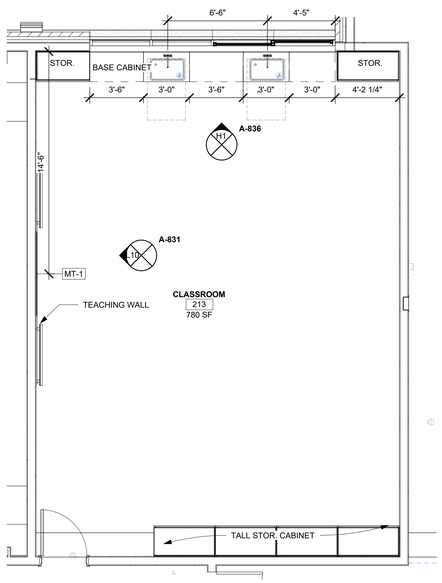
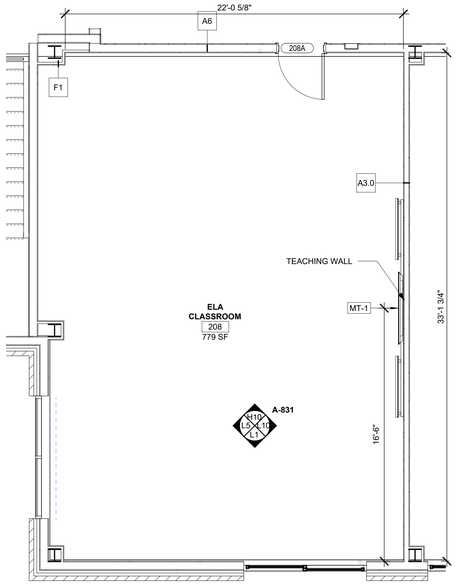
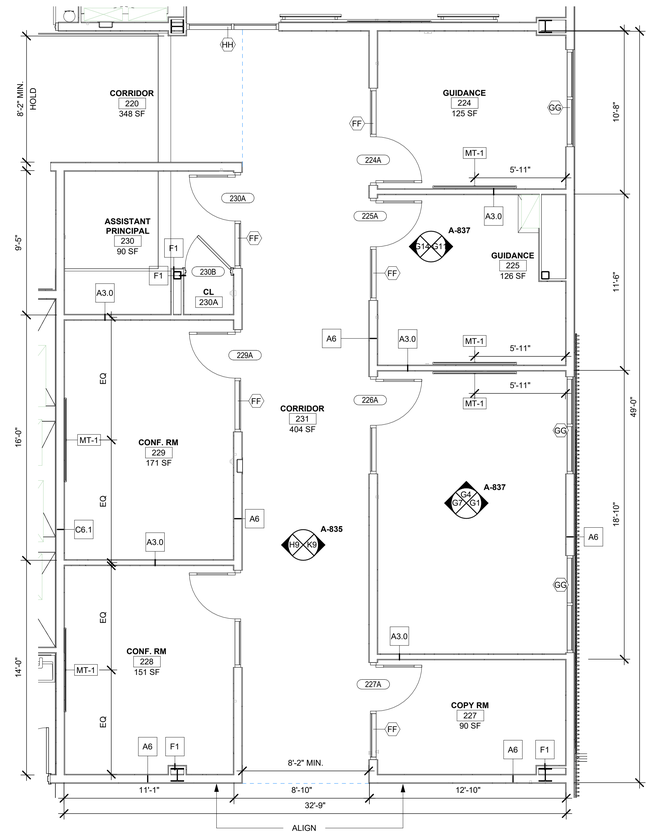
TYPICAL CLASSROOM ENLARGED PLAN

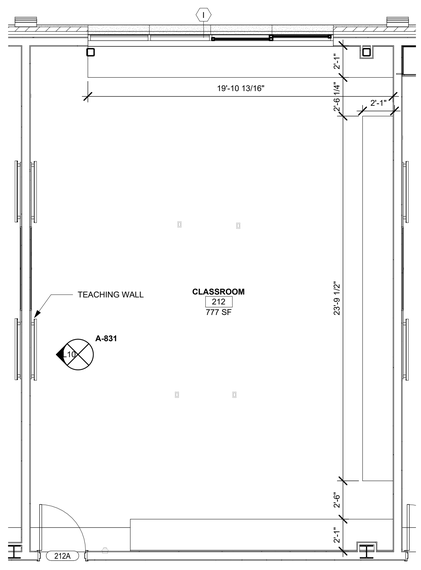






ART ROOM ENLARGE PLAN G12

1/4" = 1'-0"

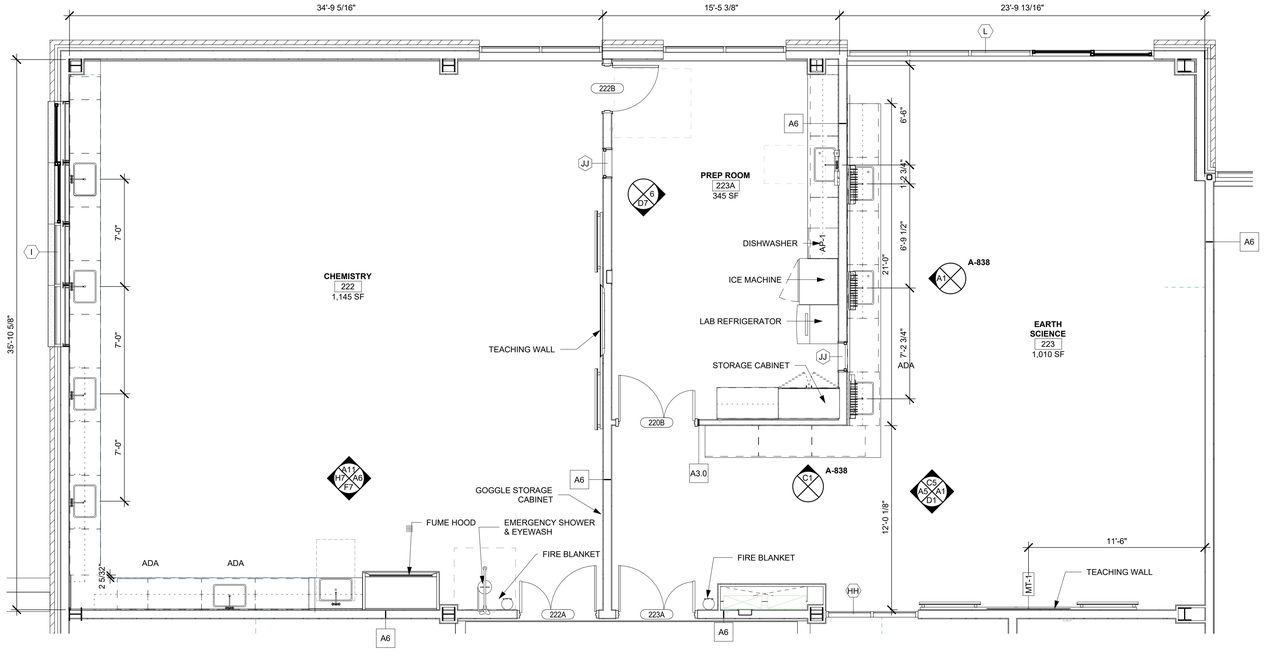


TYP CLASSROOM-ENLARGED FLOOR PLAN G7

1/4" = 1'-0"

ENLARGED FLOOR PLANS - 2ND FL. ADMIN OFFICE G1

1/4" = 1'-0"



COMPUTER ROOM ENLARGED PLAN-OPT 1 A12

1/4" = 1'-0"

ENLARGED FLOOR PLAN - CHEM. & SCIENCE RMS A1

1/4" = 1'-0"

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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
ENLARGED FLOOR PLANS - SECOND FLOOR

SHEET NUMBER:
A-404

BID SET

DRAWN BY: JF/JNV
CHECKED BY: Author
C:\Users\bcohen\Documents\2333403.09-Rockland BOCES P-Tech C-Tech_RD_rev_bcohen1f1.d31vt
7/3/2025 12:30:08 PM

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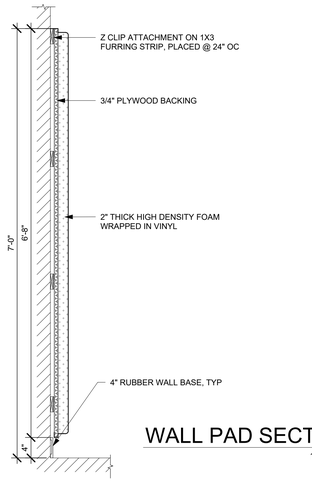
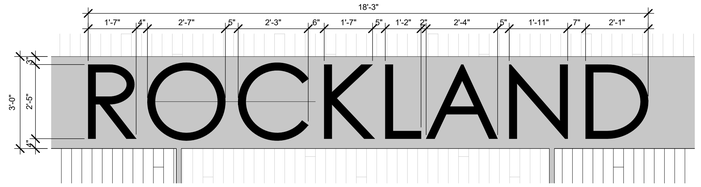
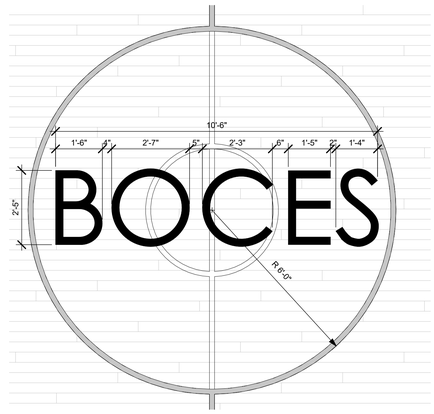


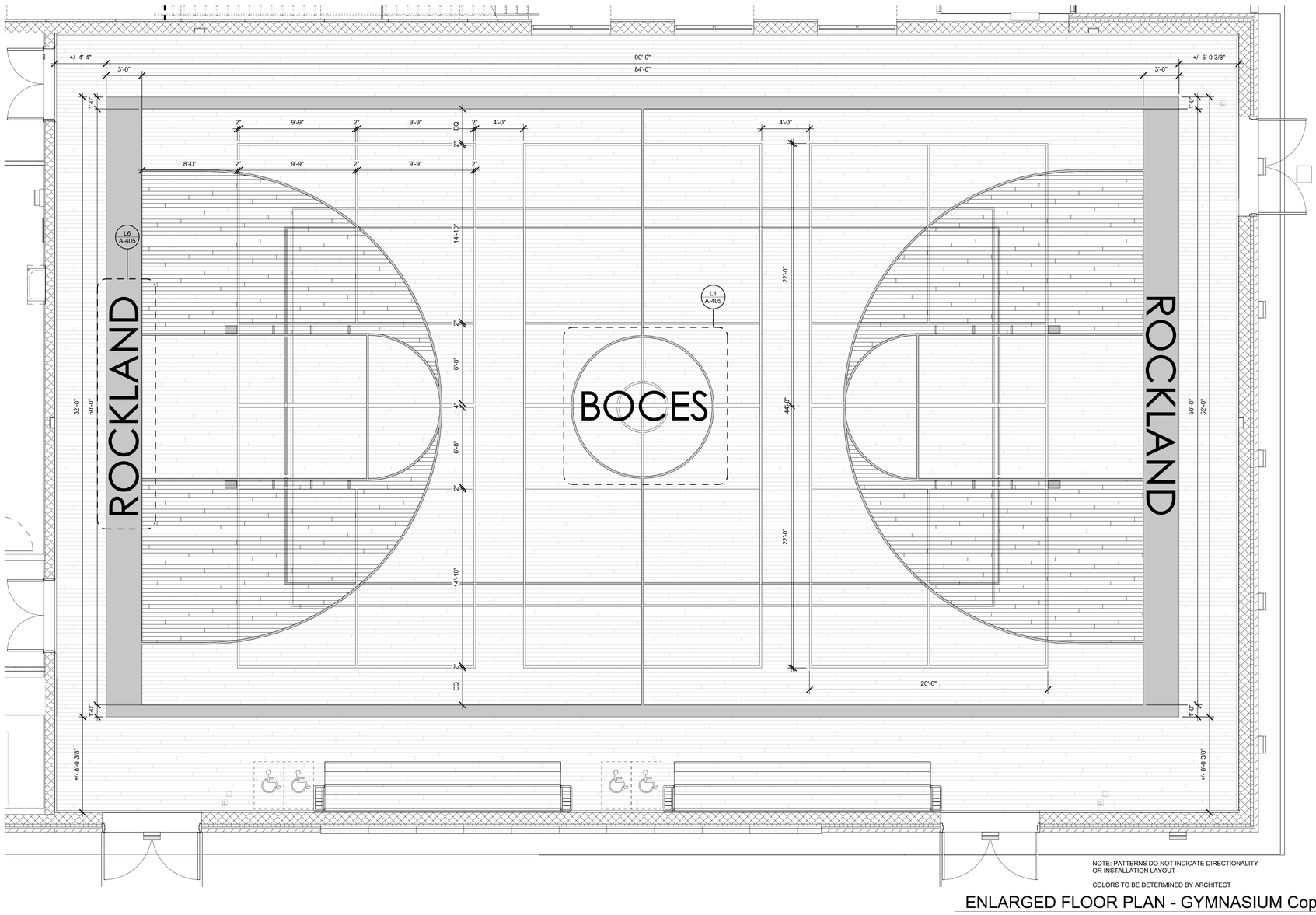
WALL PAD SECTION L11
1" = 1'-0"



ENLARGED GYMNASIUM LETTERING L6
1/2" = 1'-0"



ENLARGED CENTER COURT LOGO L1
1/2" = 1'-0"



NOTE: PATTERNS DO NOT INDICATE DIRECTIONALITY OR INSTALLATION LAYOUT

COLORS TO BE DETERMINED BY ARCHITECT

ENLARGED FLOOR PLAN - GYMNASIUM Copy 1 A1
1/4" = 1'-0"

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ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: GYM STRIPING PLAN
SHEET NUMBER: A-405

BID SET

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DRAWN BY: Author
CHECKED BY: Checker
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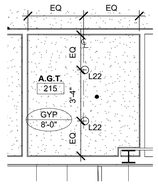
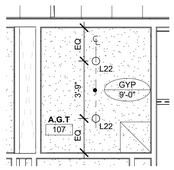


ENLARGED RCP VIEW
2ND FL. ALL GENDER WC (F15)
1/4" = 1'-0"



ENLARGED RCP VIEW
1ST FL. ALL GENDER WC (F12)
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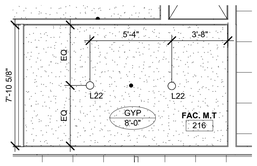

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2ND FL. MEN'S FAC. WC, SIM (F8)
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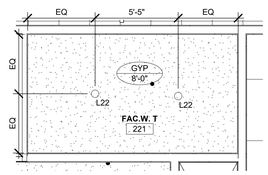
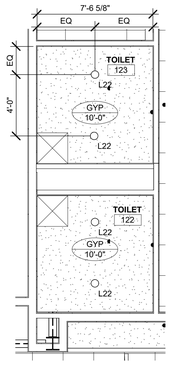


ENLARGED RCP VIEW
2ND FL. WOMEN'S FAC. WC, SIM (F5)
1/4" = 1'-0"



ENLARGED RCP VIEW
1ST FL. FAC. TOILETS, SIM (F1)
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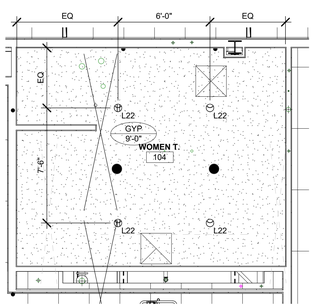
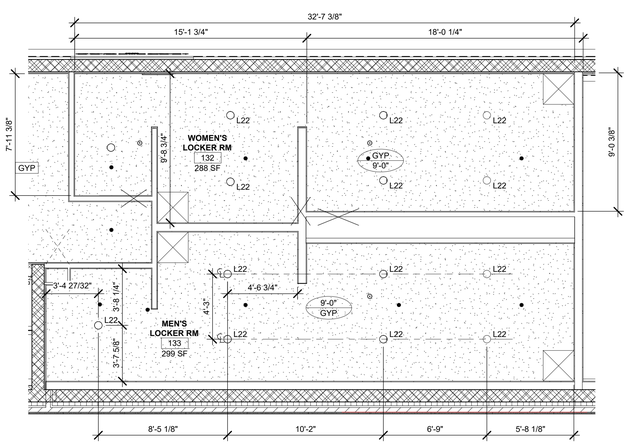


ENLARGED RCP VIEW
1ST FL WOMEN'S TOILETS (A15)
1/4" = 1'-0"



ENLARGED RCP VIEW - 1ST FL LKR RM TOILETS (A10)
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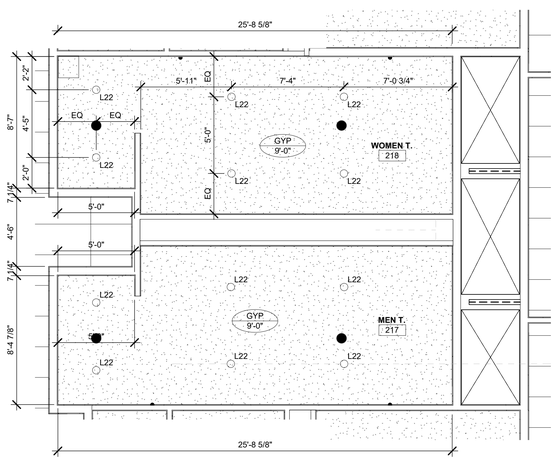
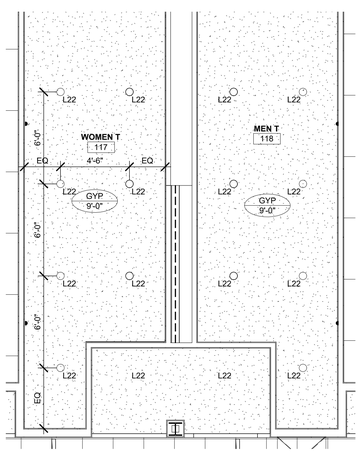


ENLARGED RCP VIEW
2ND FLOOR ADA TOILETS (A5)
1/4" = 1'-0"



ENLARGED RCP VIEW
1ST FLOOR ADA TOILETS (A1)
1/4" = 1'-0"

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022313
STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: ENLARGED RCP - TOILETS ONLY
SHEET NUMBER: A-411

BID SET

DRAWN BY: AVNI
CHECKED BY: Armand Quadrini
C:\Users\AVNI\Documents\2333403.00 Rockland BOCES P-Tech C-Tech_R23_nav_AVNIHTF23.rvt
7/3/2025 12:30:14 PM

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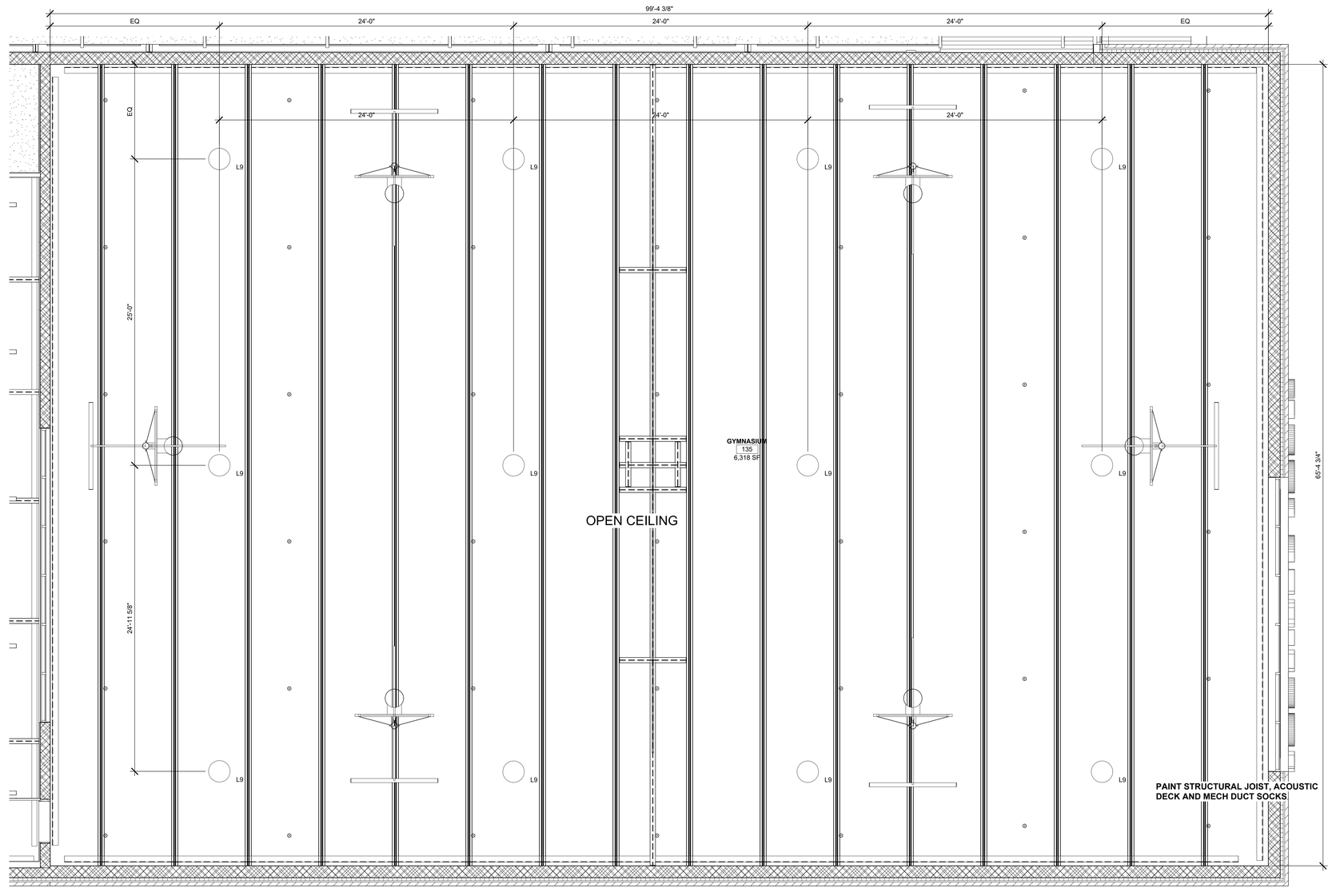
NOTE:
1. PAINT STRUCTURAL JOISTS, ACOUSTIC DECK AND MECH DUCT SOCKS. REFER TO FINISH SCHEDULE.
2. HOOPS TO BE ATTACHED TO UNDERSIDE OF STRUCTURAL JOISTS, PER MANUFACTURER INSTRUCTION. REFER TO STRUCTURAL DRAWINGS.



ENLARGED RCP - GYMNASIUM A1
1/4" = 1'-0"

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EXP. DATE : 03/31/2028

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: ENLARGED RCP - GYMNASIUM
SHEET NUMBER: A-412

BID SET

DRAWN BY: JH/Jor
CHECKED BY: Author
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PROJECT NUMBER: 2333403.01
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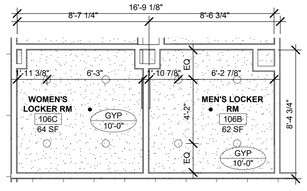
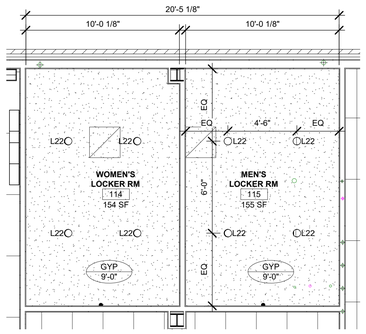
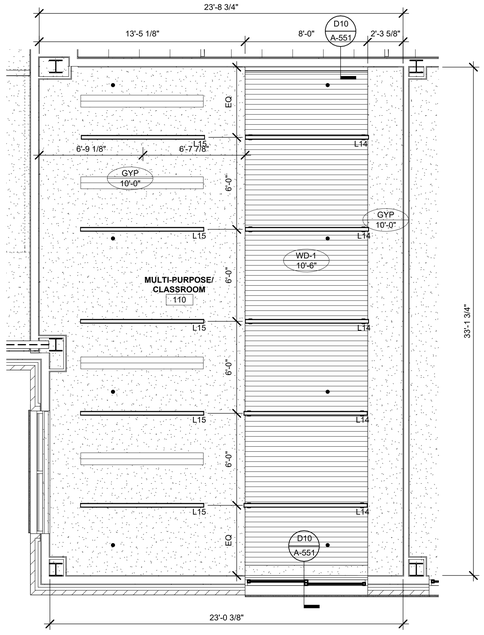


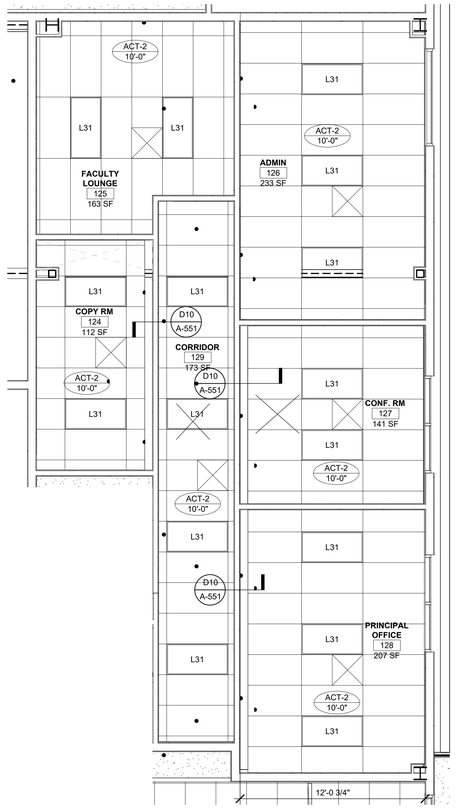
ENLARGED RCP
LOCKER RMS 109 & 108 F16
1/4" = 1'-0"



ENLARGED RCP
LOCKER RMS 116A & 117A F12
1/4" = 1'-0"



ENLARGED RCP - MULTI-PURPOSE RM F7
1/4" = 1'-0"



ENLARGED RCP - ADMIN. OFFICES A1
1/4" = 1'-0"

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STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: ENLARGED RCP - FIRST FLOOR
SHEET NUMBER: A-413

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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PROJECT NUMBER: 2333403.01

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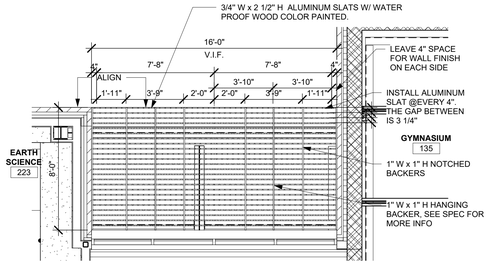
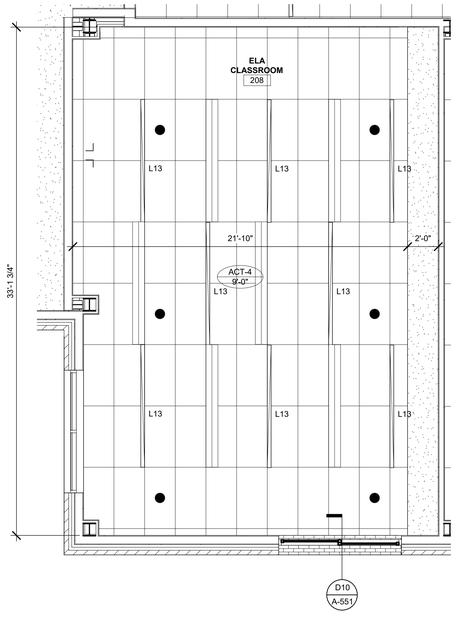


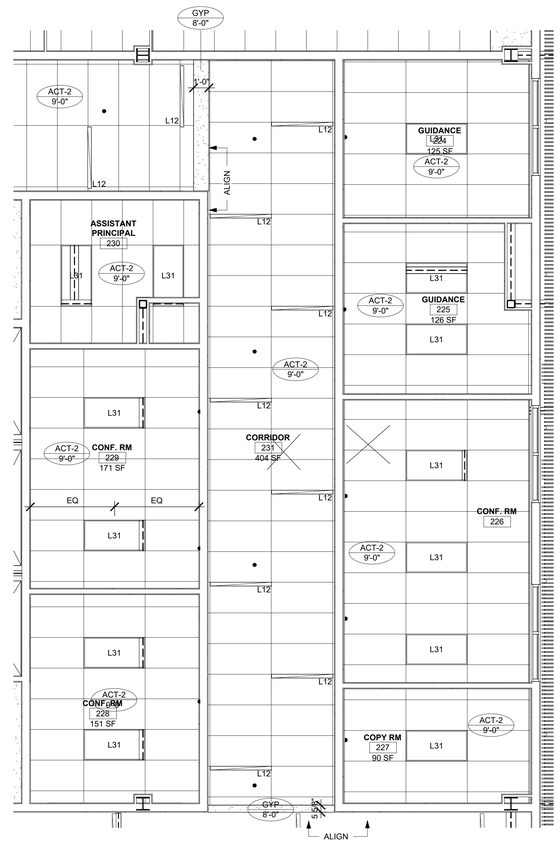
MT-1 CEILING DETIAL A13

1/4" = 1'-0"



ENLARGED RCP - TYP CLASSROOM A7

1/4" = 1'-0"



ENLARGED RCP - 2ND FL. ADMIN OFFICE A1

1/4" = 1'-0"

ARCHITECT

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
ENLARGED RCP - SECOND FLOOR

SHEET NUMBER:
A-414

BID SET

DRAWN BY: AJ/Ar
CHECKED BY: Author
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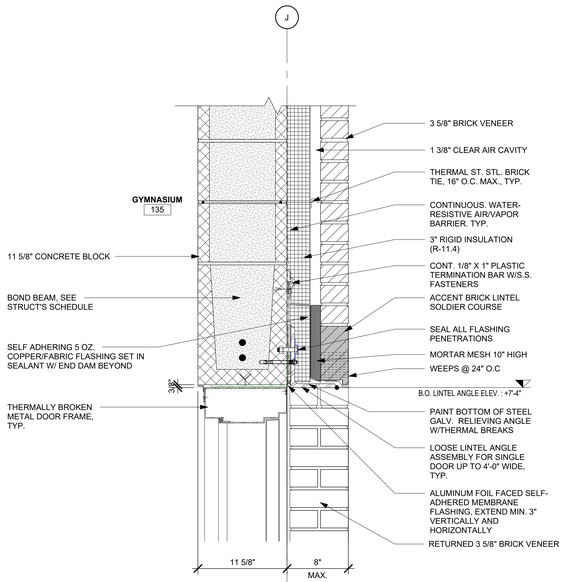
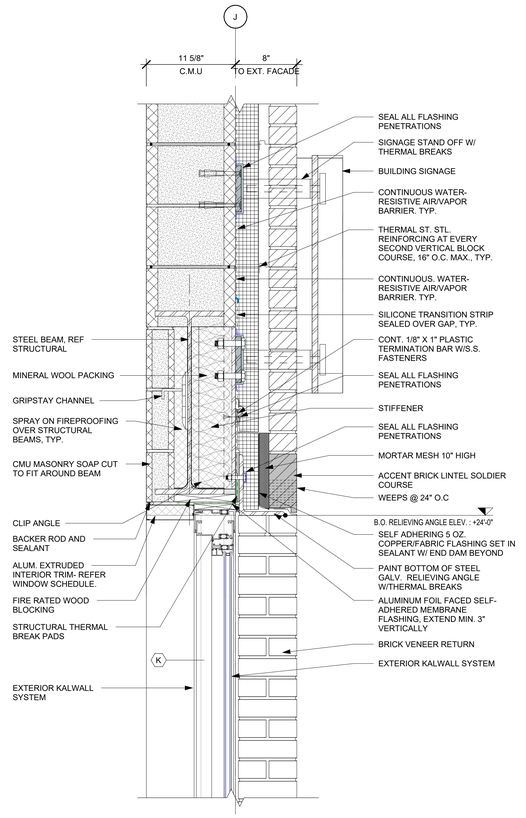


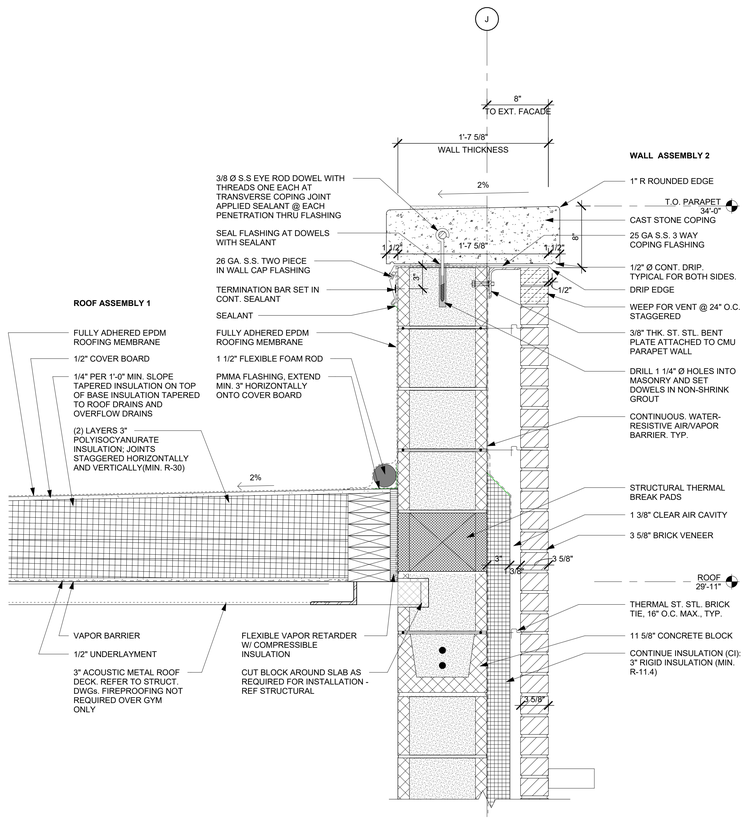
HOLLOW METAL DOOR FRAME/EXTERIOIR HEAD DETAIL AT GYM

1 1/2" = 1'-0" — H13



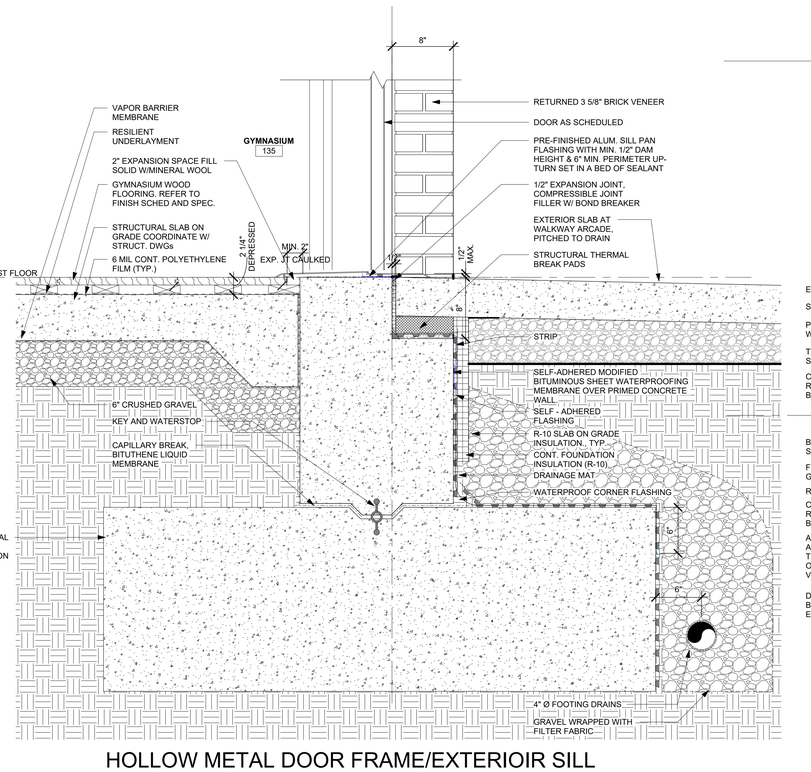
WINDOW HEAD DETAIL AT GYM

1 1/2" = 1'-0" — H7



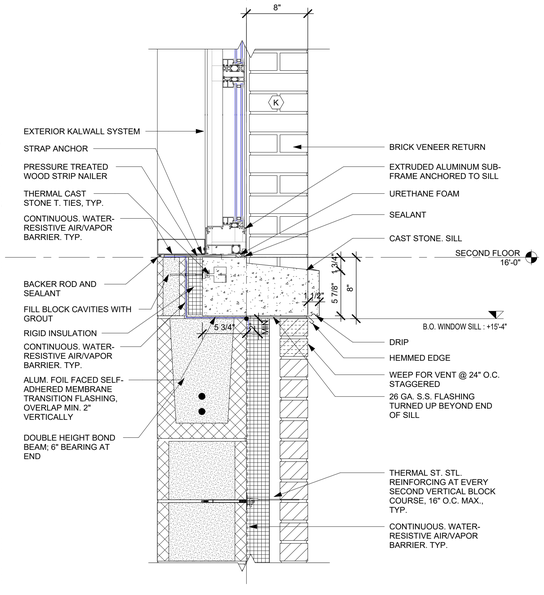
CMU WALL AT PARAPET AND ROOF TRANSITION DETAIL AT GYM #3

1 1/2" = 1'-0" — G1



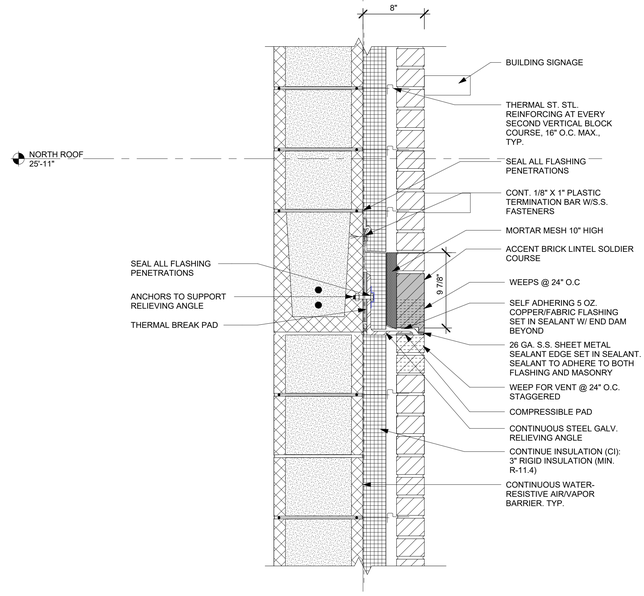
HOLLOW METAL DOOR FRAME/EXTERIOIR SILL DETAIL AT GYM

1 1/2" = 1'-0" — A13



WINDOW SILL DETAIL AT GYM

1 1/2" = 1'-0" — A7



BOND BEAM DETAIL

1 1/2" = 1'-0" — A1

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REGISTERED ARCHITECT ARMANDO SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1 1/2" = 1'-0"

SHEET NAME:
EXTERIOR SECTION DETAILS

SHEET NUMBER:
A-501

BID SET

DRAWN BY: JH/DV
CHECKED BY: AQ/SM
C:\Users\DomenicDocuments\2333403.00 Rockland BOCES P-Tech C-Tech_R25_rvw_1cnlwoTF.d23.rvt
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PROJECT NUMBER: 2333403.01

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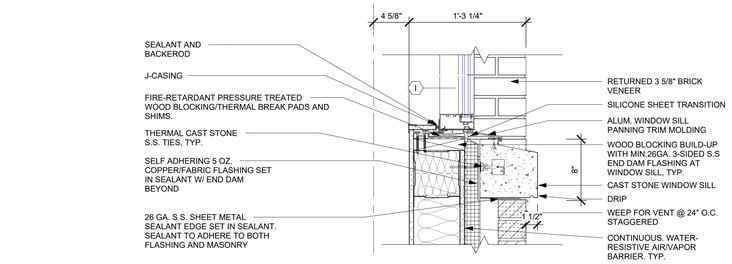
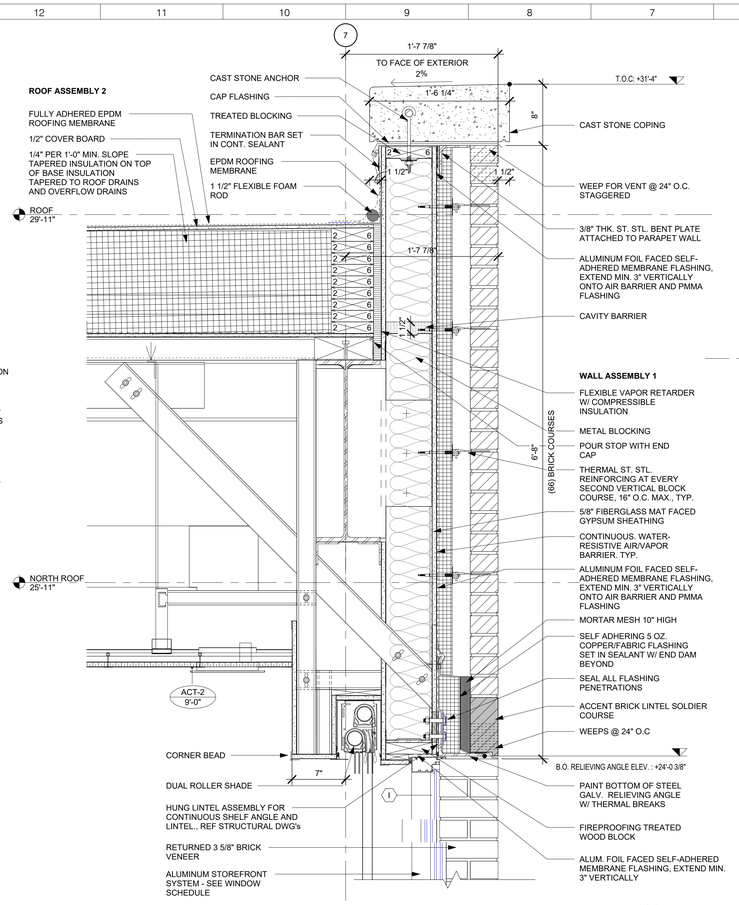


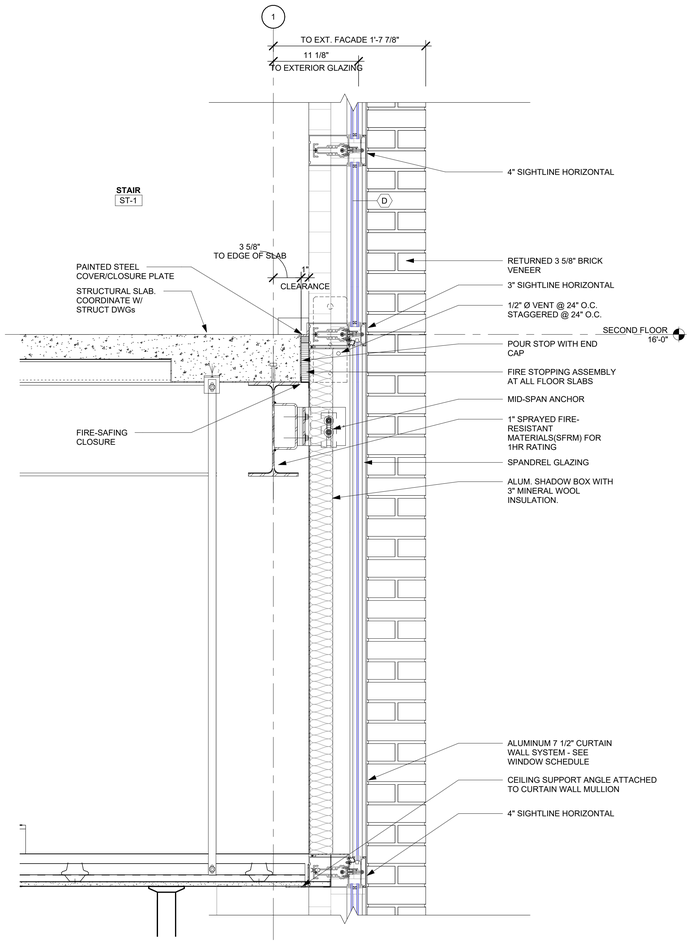
WINDOW SILL AT WEST OVERHANG K13

1 1/2" = 1'-0"



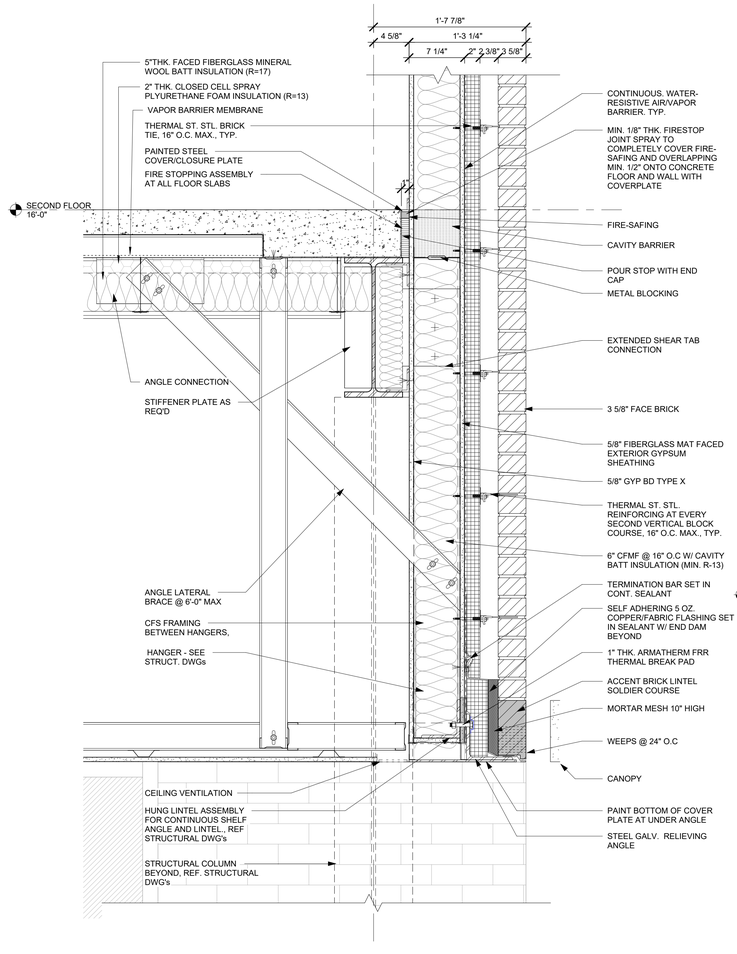
WINDOW HEAD AT WEST OVERHANG G7

1 1/2" = 1'-0"



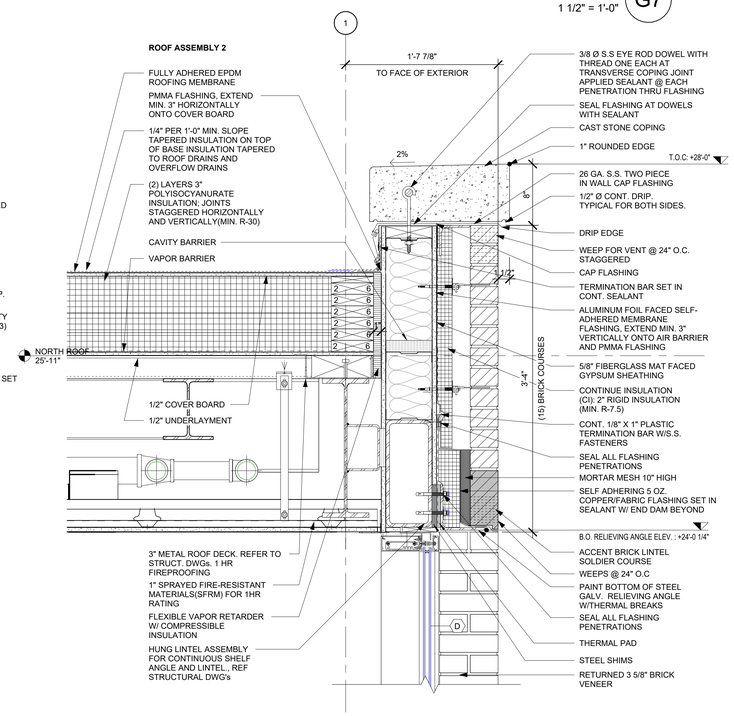
2ND FLOOR CURTAINWALL FRAME/EXTERIOIR SILL DETAIL AT NORTH STAIR F1

1 1/2" = 1'-0"



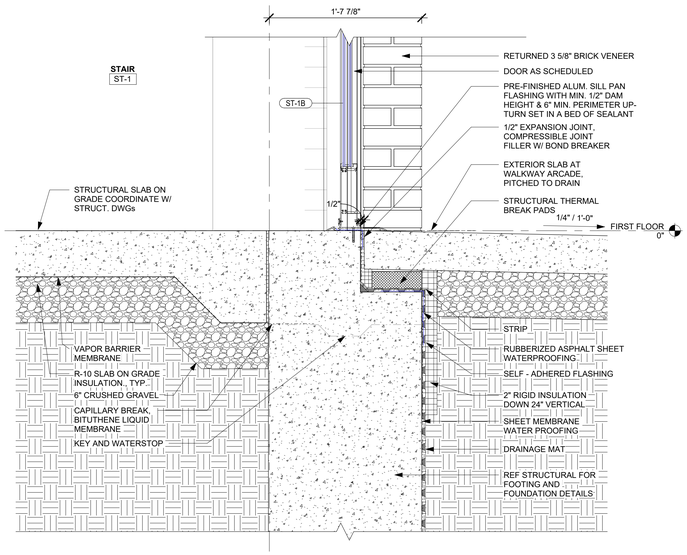
WALL SECTION AT WEST OVERHANG A13

1 1/2" = 1'-0"



PARAPET AT NORTH STAIR A7

1 1/2" = 1'-0"



STOREFRONT DOOR FRAME/EXTERIOIR SILL DETAIL AT NORTH STAIR A1

1 1/2" = 1'-0"

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REGISTERED ARCHITECT ARMANDO SAMUEL QUADRINI 022313 STATE OF NEW YORK

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1 1/2" = 1'-0"

SHEET NAME:
EXTERIOR SECTION DETAILS

SHEET NUMBER:
A-502

BID SET

PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

DRAWN BY: Author
CHECKED BY: Checker
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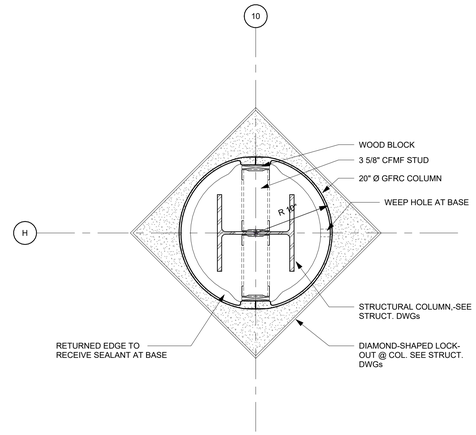
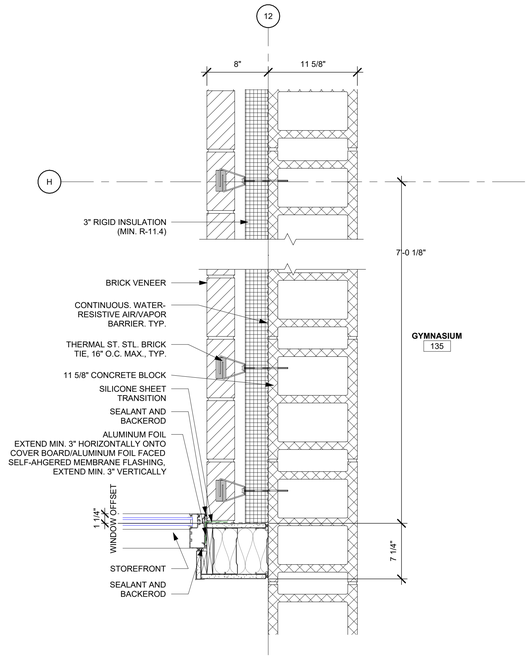
7/3/2025 12:30:28 PM



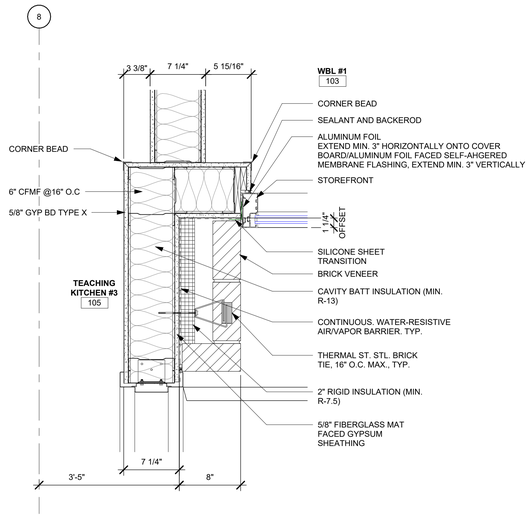
EXTERIOR GRFC COLUMN J1

1 1/2" = 1'-0"



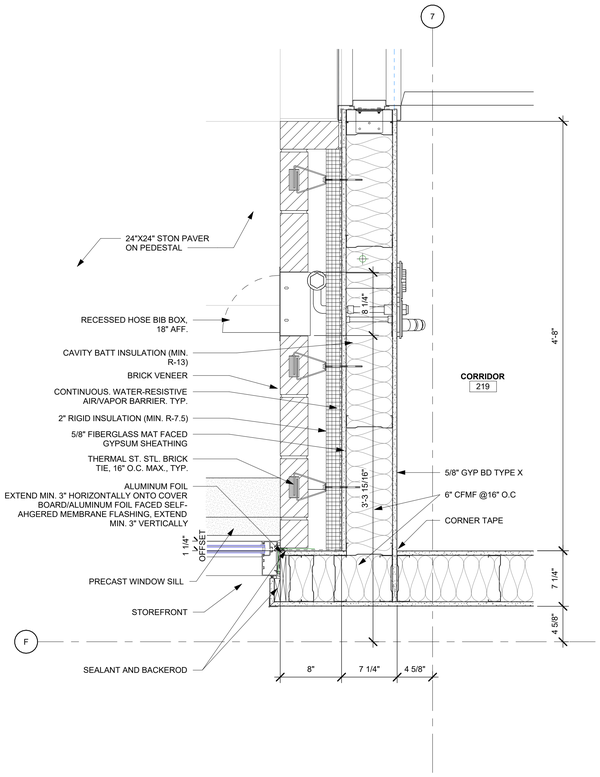
EXT. PLAN DETAL @ LOBBY STOREFRONT JAMB A11

1 1/2" = 1'-0"



CORNER BY WBL#1 A6

1 1/2" = 1'-0"



EXT. PLAN DETAL @BALCONY A1

1 1/2" = 1'-0"

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REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1 1/2" = 1'-0"
SHEET NAME: EXTERIOR PLAN DETAILS
SHEET NUMBER: A-511

BID SET

DRAWN BY: AUTH
CHECKED BY: Checker
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7/3/2025 12:30:30 PM

PROJECT NUMBER: 2333403.01
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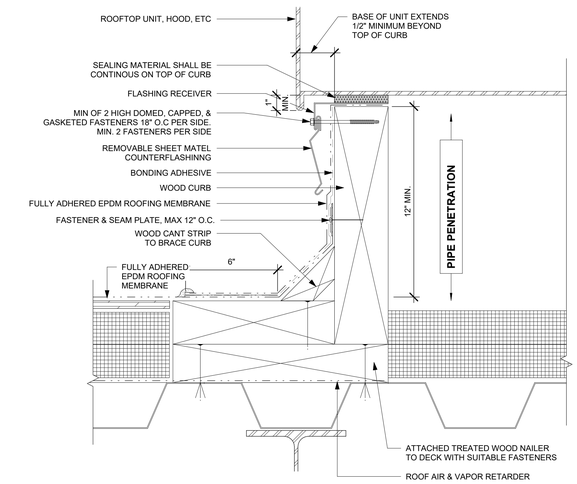
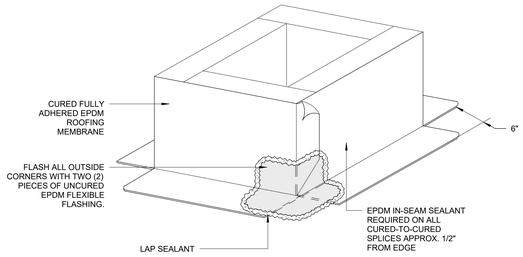


EPDM Roofing - Wood Shaft Curb Flashing Detail K13

3" = 1'-0"

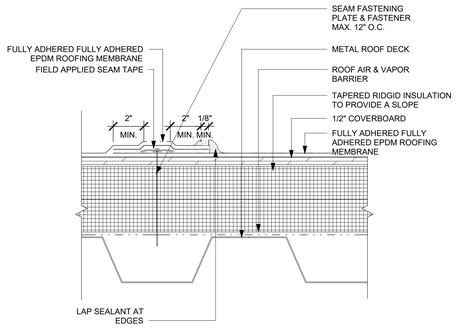
NOTES:

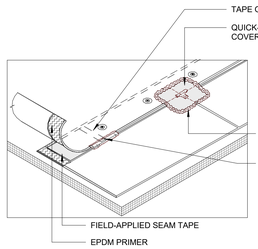
1. WHEN MECHANICAL FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS, APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR CAULK THE FASTENER HEADS.
2. LAP SEALANT IS REQUIRED ON CUT-EDGES OF REINFORCED MEMBRANE.
3. SEAM PLATES AND FASTENERS MAY BE INSTALLED INTO THE STRUCTURAL DECK AND THEN HPX FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED FOR MECHANICALLY-FASTENED ROOFING SYSTEMS OVER STEEL DECKS.
4. MEMBRANE SPLICES SHALL INCORPORATE 6" (15cm) WIDE QA SEAM TAPE FOR PROJECTS WITH 25 AND 30-YEAR WARRANTIES.
5. IF THE VERTICAL SPLICE ON THE CURB FLASHING IS NOT LOCATED AT THE CORNER, USE DETAIL FOR FULLY ADHERED EPDM ROOFING MEMBRANE SPLICES AT ANGLE CHANGES.



EPDM Roofing -Axo-wood curb flasing K9

1/2" = 1'-0"



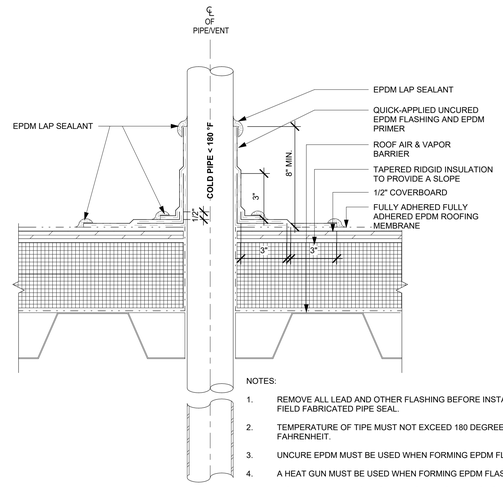


NOTES:

1. FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED OVER STEEL DECKS.
2. PRIOR TO THE INSTALLATION OF SPLICE TAPE, APPLY EPDM PRIMER TO SPLICE AREAS.
3. FIELD APPLIED QA SEAM TAPE IS TO BE OVERLAPPED A MINIMUM OF 1" (2.5cm) AT THE ENDS OF EACH CUT PIECE. APPLY LAP SEALANT AT TAPE OVERLAPS 2" IN ALL DIRECTIONS.
4. APPLY LAP SEALANT ALONG THE LEADING EDGE OF THE MEMBRANE SPLICE UNDER THE 6" X 6" (15 X 15cm) T-JOINT COVER, COVERING THE EXPOSED SPLICE TAPE 1/2" (1.5cm) IN ALL DIRECTIONS FROM THE SPLICE INTERSECTION.
5. END LAPS SHALL BE SPLICED USING EITHER 3" (7.5m) OR 6" (15cm) WIDE QA SEAM TAPE.
6. LAP SEALANT IS REQUIRED ON CUT EDGES OF REINFORCED FULLY ADHERED EPDM ROOFING MEMBRANE.

EPDM MEMBRANE SPLICE D13

3" = 1'-0"

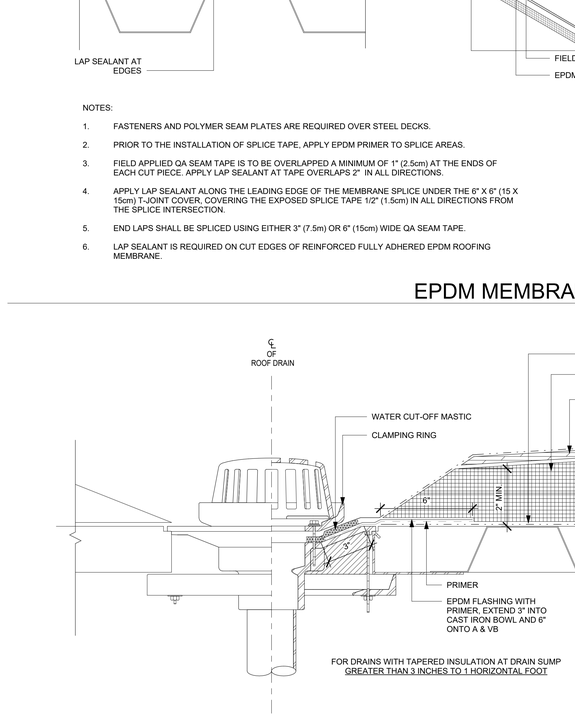


NOTES:

1. REMOVE ALL LEAD AND OTHER FLASHING BEFORE INSTALLING FIELD FABRICATED PIPE SEAL.
2. TEMPERATURE OF TIPE MUST NOT EXCEED 180 DEGREES FAHRENHEIT.
3. UNCURE EPDM MUST BE USED WHEN FORMING EPDM FLASHING.
4. A HEAT GUN MUST BE USED WHEN FORMING EPDM FLASHING.
5. INSTALL A MINIMUM OF 4 SEAM FASTENING PLATES FOR PIPES WITH A DIAMETER UP TO 6". ADDITIONAL SEAM FASTENING PLATES WILL BE REQUIRED FOR PIPES GREATER THAN 6" IN DIAMETER AND SHALL BE SPACED 12" O.C.
6. HP LOCKING SEAM PLATES OR POLYMER SEAM PLATES ARE REQUIRED IN LIEU OF SEAM FASTENING PLATES OVER STEEL DECKS.

PIPE/VENT PENETRATION DETAIL1 G7

3" = 1'-0"



FOR DRAINS WITH TAPERED INSULATION AT DRAIN SUMP GREATER THAN 3 INCHES TO 1 HORIZONTAL FOOT

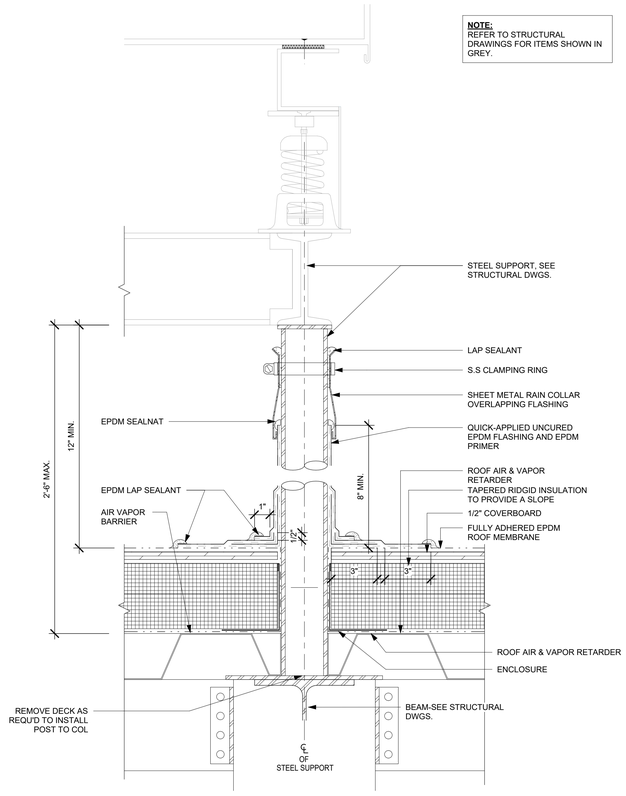
NOTES:

1. REINFORCED FULLY ADHERED EPDM ROOFING MEMBRANE MUST BE FASTENED WITH SEAM FASTENING PLATES NO MORE THAN 12 INCHES ON CENTER WHEN THE TAPERED INSULATION AT THE DRAIN SUMP IS GREATER THAN 3 INCHES, TO THE HORIZONTAL FOOT. CUT REINFORCED FULLY ADHERED EPDM ROOFING MEMBRANE EVEN WITH TOP EDGE OF THE DRAIN SUMP.
2. USE NON-REINFORCED FULLY ADHERED EPDM ROOFING MEMBRANE AS A SURFACE SPLICE AND EXTEND INTO DRAIN CLAMPING RING.
3. WHEN A SQUARE OR RECTANGULAR SECTION OF NON-REINFORCED FULLY ADHERED EPDM ROOFING MEMBRANE IS USED AS A SURFACE SPLICE, ROUND THE CORNERS OF THE NON-REINFORCED MEMBRANE FOR PROPER SPLICING.
4. LOCATE EDGE OF THE SURFACE SPLICE OUT OF THE DRAIN SUMP AT LEAST 6 INCHES IN ALL DIRECTIONS ONTO THE HORIZONTAL MEMBRANE.
5. INSULATION TAPER SHALL NOT BE STEEPER THAN 6 INCHES (VERTICAL) IN 12 INCHES (HORIZONTAL).
6. ROOF DRAIN SIZE AND NUMBER OF DRAINS SHALL BE IN ACCORDANCE WITH ROOF PLAN AND PLUMBING ENGINEER'S DRAWINGS.
7. FASTENERS AND PLATES ARE REQUIRED FOR MECHANICALLY FASTENED ROOFING SYSTEMS ONLY.

ROOF DRAIN DETAIL A11

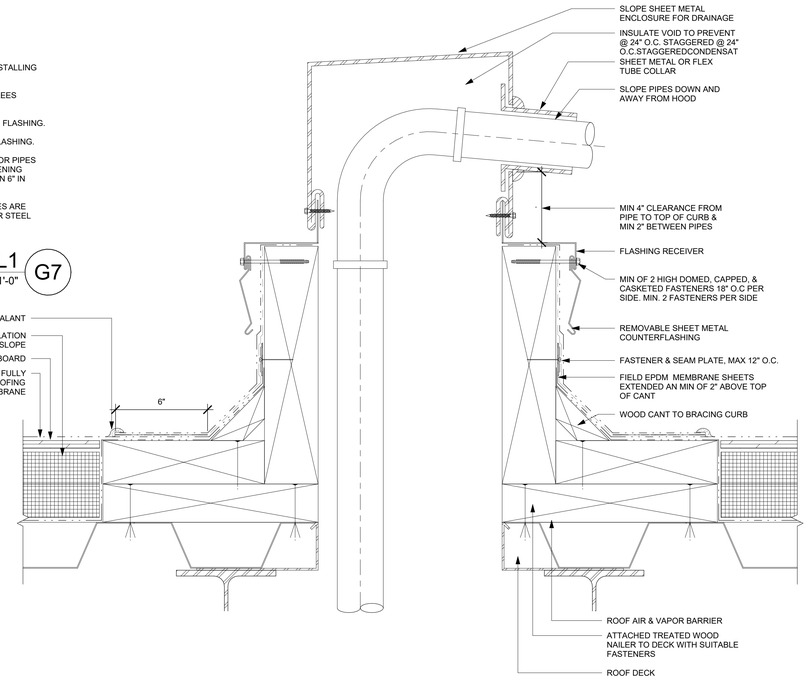
3" = 1'-0"

NOTE:
REFER TO STRUCTURAL DRAWINGS FOR ITEMS SHOWN IN GREY.



EPDM Roofing - DUNNAGE POST DETAIL G1

3" = 1'-0"



SHEET METAL PIPE ENCLOSURE DETAIL A1

3" = 1'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 022313 STATE OF NEW YORK

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: ROOF DETAILS

SHEET NUMBER: A-521

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/Drafter
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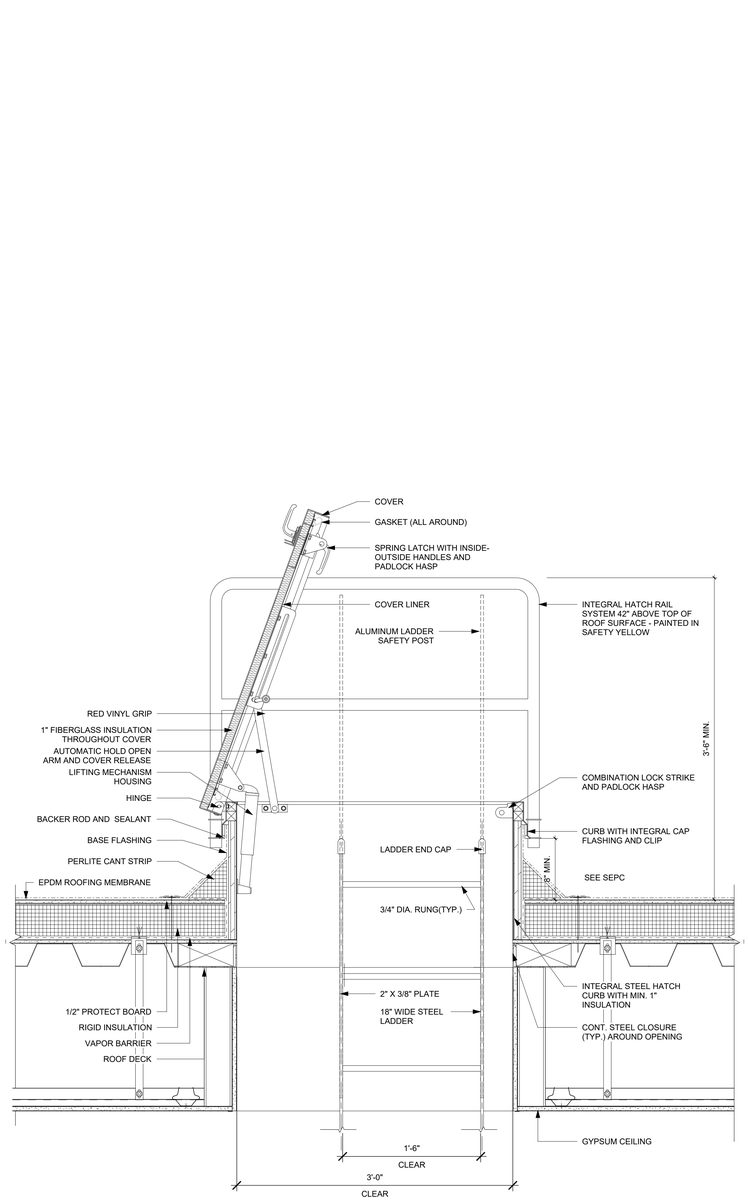
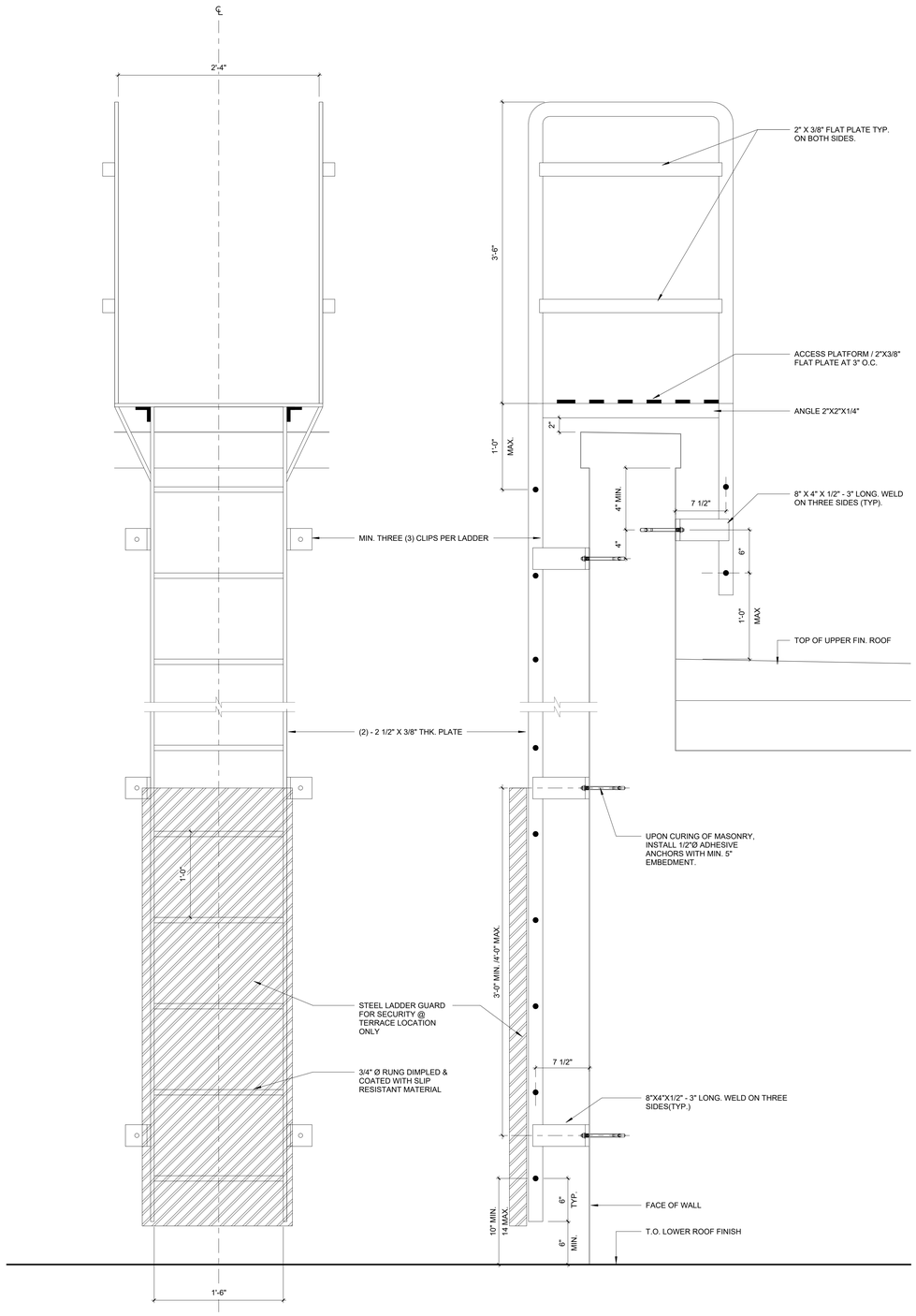


ROOF ACCESS HATCH FOR EPDM ROOFING MEMBRANE DETAIL A10

1 1/2" = 1'-0"



FRONT ELEVATION **SIDE ELEVATION**

NOTE:
1. ALL MATERIAL SHALL BE HOT-DIP GALVANIZED STEEL, EXCEPT FOR MASONRY ANCHORS.

TYP ROOF TO ROOF LADDER DETAIL A1

SEE SPEC FOR MORE INFO 1 1/2" = 1'-0"

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1 1/2" = 1'-0"
SHEET NAME: ROOF DETAILS
SHEET NUMBER: A-522

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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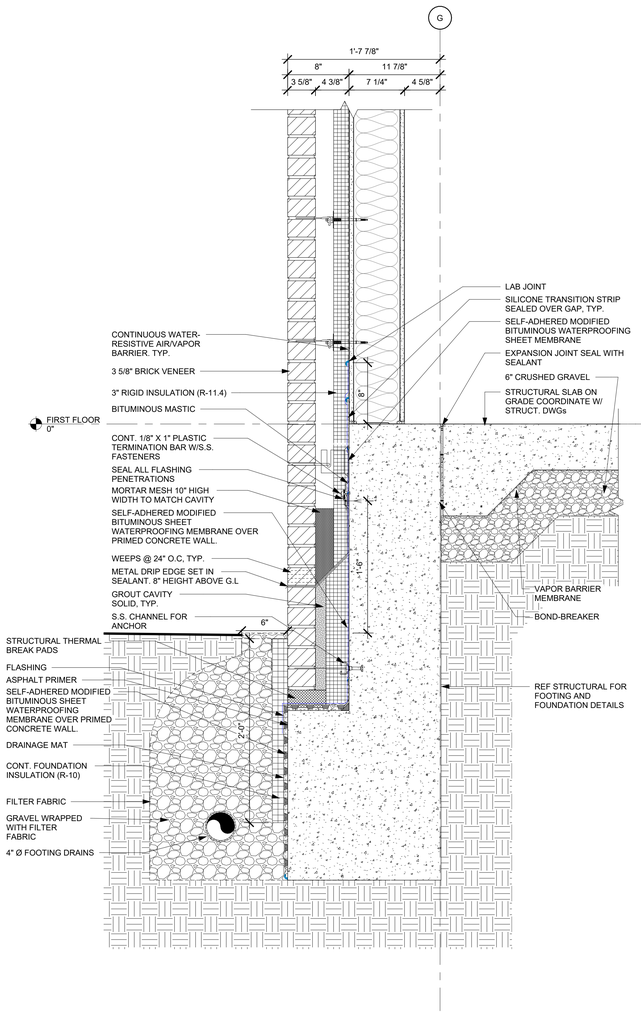
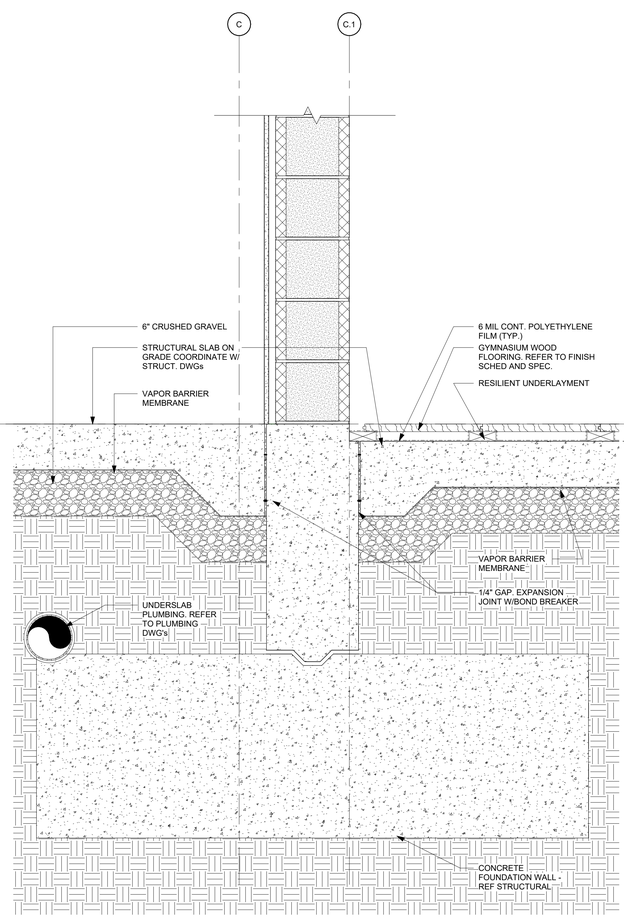


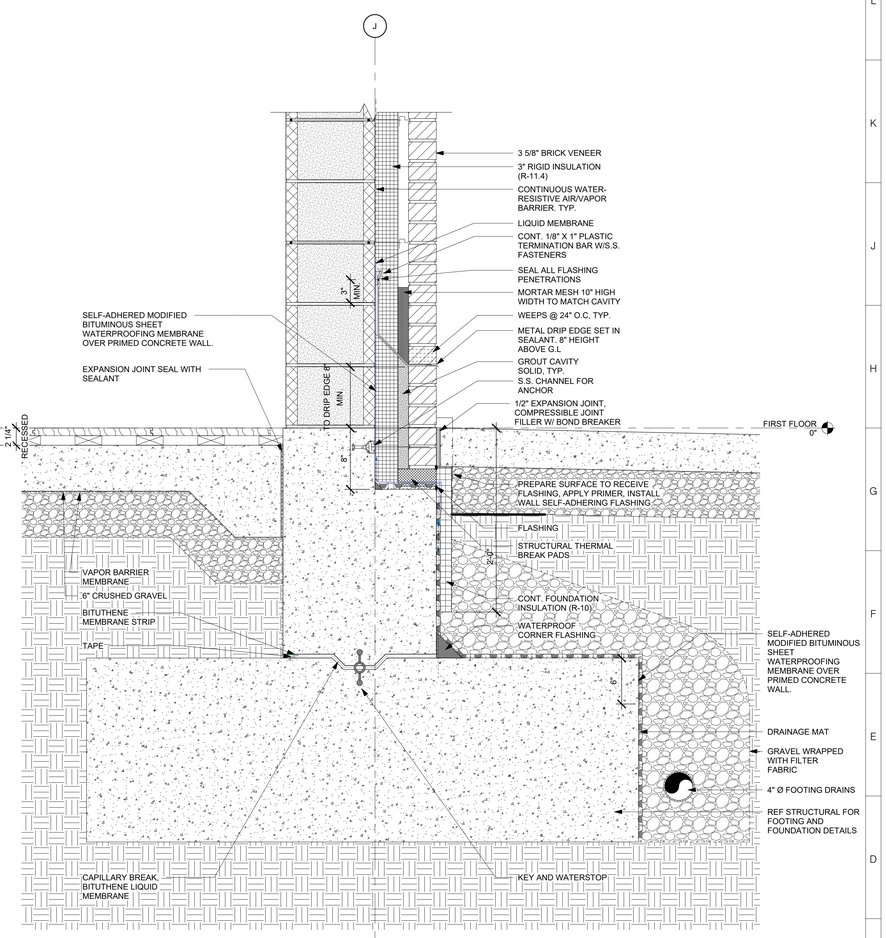
FOUNDATION AT EAST TERRACE SIDE A13

1 1/2" = 1'-0"



TYPICAL CMU WALL FOOTING A8

1 1/2" = 1'-0"



FOUNDATION DETAIL AT CMU WALL - AIR & VAPOR BARRIER TO BELWO-GRADE WATERPROOFING A1

1 1/2" = 1'-0"

ARCHITECT

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REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1 1/2" = 1'-0"

SHEET NAME:
FOUNDATION DETAILS SECTION/PLANS

SHEET NUMBER:
A-531

BID SET

DRAWN BY: AJ/NV
CHECKED BY: AQ/Checker
C:\Users\NVan\Documents\2333403.06-Rockland BOCES P-Tech C-Tech_RSD_vwp_NVanTP_d3.rvt
7/3/2025 12:30:34 PM

PROJECT NUMBER: 2333403.01

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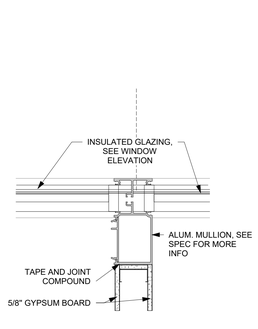
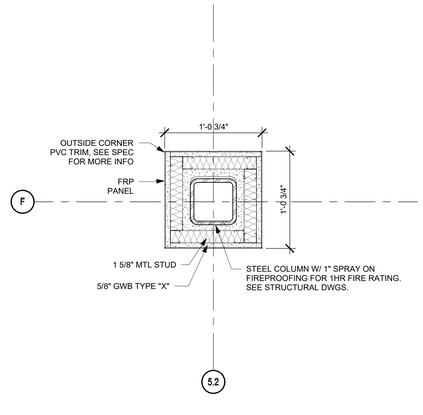


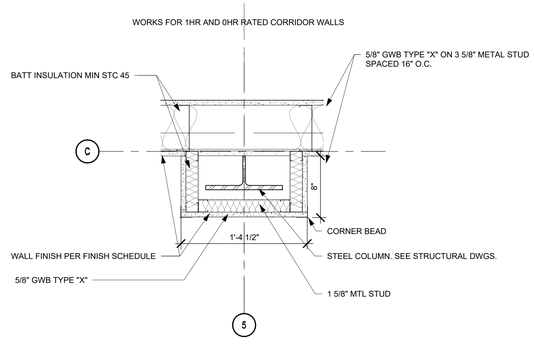
WALL @ MULLON DETAILS A9

1 1/2" = 1'-0"



COLUMN IN KITCHEN A6

1 1/2" = 1'-0"



COLUMN IN CORRIDOR WALLS A1

1 1/2" = 1'-0"

ARCHITECT

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1 1/2" = 1'-0"
SHEET NAME:
INTERIOR PLAN DETAILS

SHEET NUMBER:
A-543

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
C:\Users\jfortner\Documents\2333403.99 Rockland BOCES P-Tech C-Tech_R23_nee_jfortner17-d2rv.rvt
7/3/2025 12:30:36 PM

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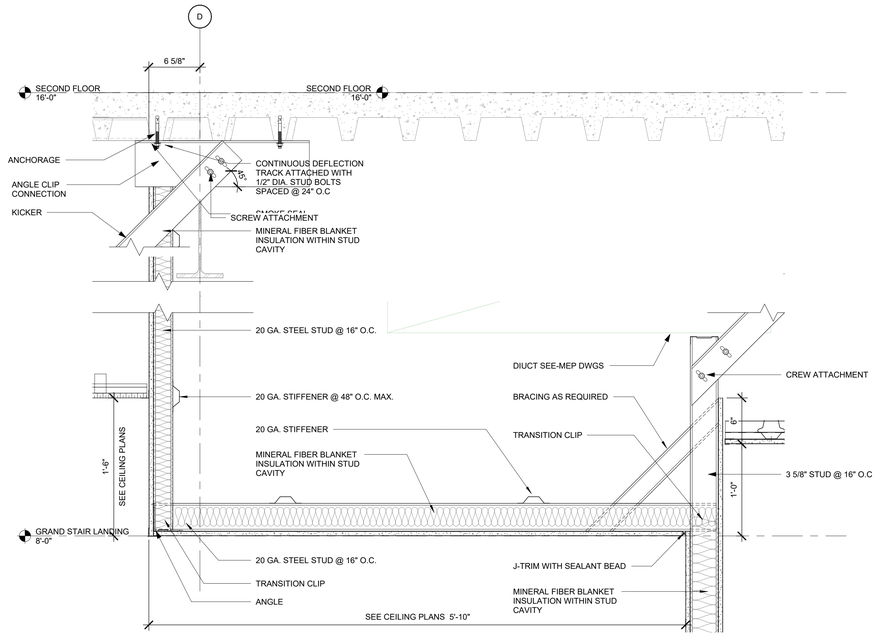
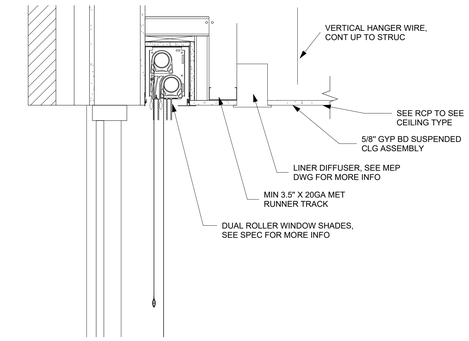


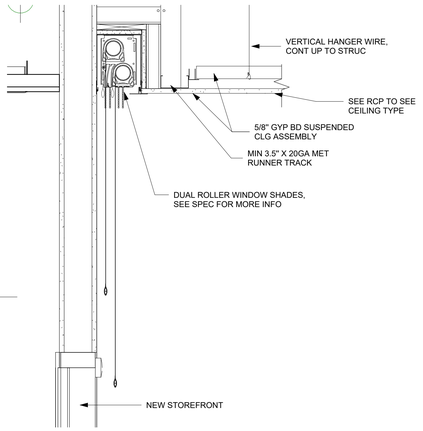
SECTION AT SMOKE BARRIER WALL AND SOFFIT J6

1 1/2" = 1'-0"



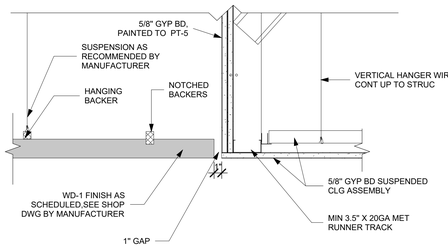
WINDOW POCKET AND DIFFUSER PORCKER K1

1 1/2" = 1'-0"



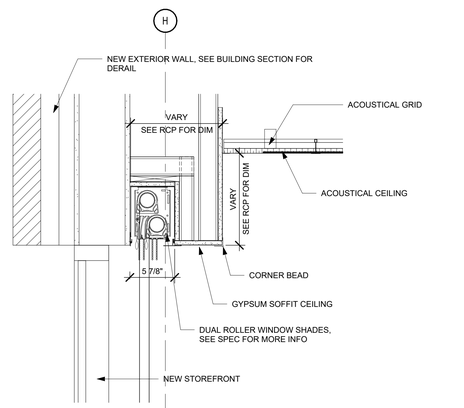
TYP WINDOW SHADE THRU INT. PARTITON D10

1 1/2" = 1'-0"



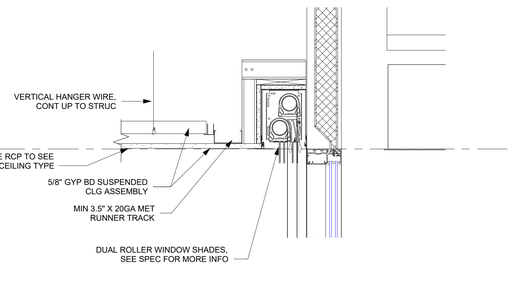
LOBBY CEILING DETAILS F6

1 1/2" = 1'-0"



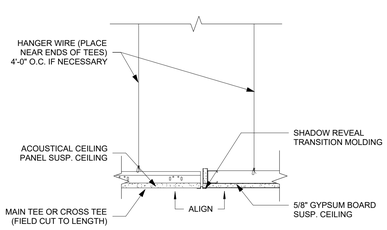
TYP WINDOW POCKET F1

1 1/2" = 1'-0"



WINDOW POCKET THRU DINNING RM D14

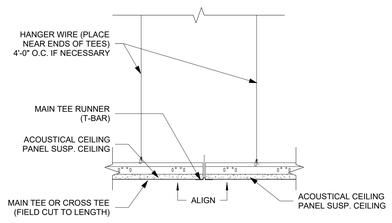
1 1/2" = 1'-0"



RE: RCP FOR CEILING HEIGHTS

TYPICAL TRANSITION CEILING NEW ACT TO NEW GYP BOARD DETAIL A14

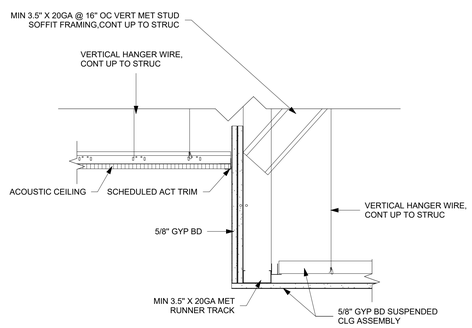
1 1/2" = 1'-0"



RE: RCP FOR CEILING HEIGHTS

TYPICAL TRANSITION CEILING NEW ACT TO NEW ACT DETAIL A10

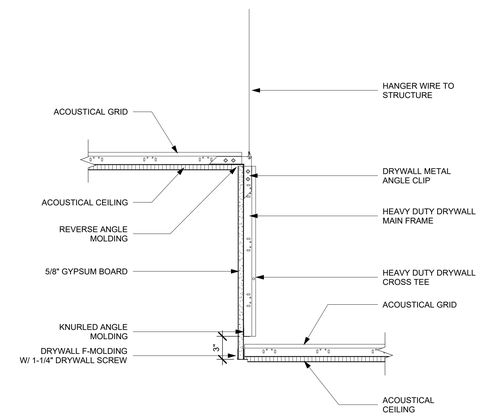
1 1/2" = 1'-0"



RE: RCP FOR CEILING HEIGHTS

CEILING DETAIL @ CORR. SOFFIT A5

1 1/2" = 1'-0"



RE: RCP FOR CEILING HEIGHTS

TYPICAL SOFFIT CEILING NEW ACT TO NEW SOFFIT DETAIL A1

1 1/2" = 1'-0"

ARCHITECT

ksqdesign

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1 1/2" = 1'-0"
SHEET NAME: CEILING DETAILS
SHEET NUMBER: A-551

BID SET

DRAWN BY: JH/NV
CHECKED BY: JP/Drafter
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PROJECT NUMBER: 2333403.01

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DOOR SCHEDULE

DOOR NO.	ROOM NAME	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	Pair of Doors	DOOR TYPE	DOOR MATERIAL	DOOR FINISH	DOOR GLASS TYPE	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	DETAIL HEAD	DETAIL JAMB	DETAIL SILL	FIRE RATING	HARD WARE SET	FUNCTION	CARD READER	ADA PUSH BUTTON	COMMENTS
12		3'-0"																			
100A	EAST VEST.	6'-0"	7'-10"	2 1/4"	YES	8	ANOD ALUM	DARK BRONZE	G4	A/A-621	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	41	Exterior	YES	YES	ADA PUSH BUTTON POST
100B	EAST VEST.	6'-0"	7'-10"	2 1/4"	YES	8	ANOD ALUM	DARK BRONZE	G4	A/A-621	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	41	Exterior		YES	
100D	EAST VEST.	6'-0"	7'-10"		YES	5	ALUM	DARK BRONZE	G4	AA/A-631	ALUM	DARK BRONZE	G8/A-602	D8/A-602		-	40	Interior	YES	YES	SEE SHEET A-631 TYPE CC
100C	EAST VEST.	6'-0"	7'-10"		YES	5	ALUM	DARK BRONZE	G4	AA/A-631	ALUM	DARK BRONZE	G8/A-602	D8/A-602		-	40	Interior		YES	SEE SHEET A-631 TYPE CC
100F	SECURITY VEST	3'-0"	7'-10"	2 1/4"	NO	8	ANOD ALUM	DARK BRONZE	G4	A/A-621	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	1HR	37	Interior			AUTO OPERATOR IN SECURITY
100E	SECURITY VEST	3'-0"	7'-10"	1 3/4"	NO	5	ALUM	DARK BRONZE	G4	AA/A-631	ALUM	DARK BRONZE	G8/A-602	D8/A-602		-	38	Interior	-	-	AUTO OPERATOR IN SECURITY
100G	GREETER BOOTH	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	18	Interior	YES		
101A	SCHOOL STORE	6'-0"	7'-0"		YES	5	ALUM	DARK BRONZE	IG2	CC/A-631	ALUM	DARK BRONZE	G8/A-602	D8/A-602		-	35	Interior	YES	YES	SEE SHEET A-631 TYPE CC
101B	WBL #2	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	18	Interior	YES		
102A	WBL #2	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
103A	WBL #1	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
T-104	WOMEN T.	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	32	Interior		YES	
105A	TEACHING KITCHEN #3	6'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		45min.	9	Interior	YES		
105B	TEACHING KITCHEN #3	3'-0"	7'-2"	1 3/4"	NO	6	FRP	DARK BRONZE	N/A	B	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	1	Exterior			EXTERIOR EGRESS
106E	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		45min.	30	Interior			PASSAGE
106A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG1	A	HM	PAINT	G4/A-602	D4/A-602		-	30	Interior			PASSAGE
106B	DRY STOR.	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	26	Interior			STORAGE
106C	MEN'S LOCKER RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		45min.	32	Interior		YES	
106D	WOMEN'S LOCKER RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		45min.	32	Interior		YES	
T-107	A.G.T	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	32	Interior		YES	
108A	LAUNDRY	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
109A	CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
111A	WATER SERVICE RM.	3'-0"	7'-2"	1 3/4"	NO	6	FRP	DARK BRONZE	NA	B	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	1	Exterior			EXTERIOR SERVICE DOOR
112A	ELEC. DEMARC RM	3'-0"	7'-2"	1 3/4"	NO	6	FRP	DARK BRONZE	N/A	B	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	6	Exterior			EXTERIOR SERVICE DOOR
113A	TEACHING KITCHEN #1	6'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		45min.	9	Interior	YES		
113C	TEACHING KITCHEN #1	3'-0"	7'-2"	1 3/4"	NO	6	FRP	DARK BRONZE	N/A	B	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	1	Exterior			EXTERIOR EGRESS
113B	OFFICE	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	19	Interior	YES		OFFICE
113D	DRY STORAGE	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	24	Interior			STORAGE
114A	WOMEN'S LOCKER RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	33	Interior		YES	
115A	MEN'S LOCKER RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	33	Interior		YES	
116B	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		1HR	31	Interior			PASSAGE
116A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		45min.	31	Interior			PASSAGE
T-117	WOMEN T	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	32	Interior		YES	
T-118	MEN T	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	32	Interior		YES	
119C	PRODUCTION KITCHEN #2	6'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		45min.	9	Interior	YES		
119A	PRODUCTION KITCHEN #2	6'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		45min.	9	Interior	YES		
119B	DRY STORAGE	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602			24	Interior			STORAGE
119D	STOR	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	25	Interior			STORAGE
119E	SERVER RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		45min.	25	Interior			STORAGE
119F	BREAKFAST/LUNCH SERVICE	6'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		45min.	22	Interior			STORAGE
120A	MECH. RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		45min.	25	Interior			
120B	MECH. RM	6'-0"	7'-0"	1 3/4"	YES	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		45min.	17	Interior	YES		
119G	DINING RM	6'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		45min.	13	Interior			DOUBLE EGRESS OPENING
121C	DINING RM	3'-0"	7'-2"	1 3/4"	NO	6	FRP	DARK BRONZE	N/A	B	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	2	Exterior		YES	EXTERIOR EGRESS
121B	DINING RM	6'-0"	7'-0"		YES	5	ALUM	DARK BRONZE	IG2	BB/A-631	ALUM	DARK BRONZE	G8/A-602	D8/A-602		-	42	Interior	YES	YES	SEE SHEET A-631 TYPE BB
121A	DINING ROOM STORAGE	6'-0"	7'-0"	1 3/4"	YES	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	23	Interior			STORAGE
T-122	TOILET	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	14	Interior	YES	YES	
T-123	TOILET	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	14	Interior	YES	YES	
124A	COPY RM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG1	A	HM	PAINT	G4/A-602	D4/A-602		-	18	Interior	YES		
125A	FACULTY LOUNGE	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG1	A	HM	PAINT	G4/A-602	D4/A-602		-	18	Interior	YES		
126A	ADMIN	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG1	A	HM	PAINT	G4/A-602	D4/A-602		-	18	Interior	YES		
126A	ADMIN	6'-0"	7'-0"		YES	5	ALUM	DARK BRONZE	IG2	CC/A-631	ALUM	DARK BRONZE	G8/A-602	D8/A-602		-	35	Interior	YES		SEE SHEET A-631 TYPE CC
127A	CONF. RM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG1	FF.1/A-631	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		SEE SHEET A-631 TYPE FF
128A	PRINCIPAL OFFICE	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	18	Interior	YES		
129A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		
T-132	WOMEN'S LOCKER RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	33	Interior		YES	
T-133	MEN'S LOCKER RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN		A	HM	PAINT	G4/A-602	D4/A-602		-	33	Interior		YES	
134A	MECH. RM	6'-0"	10'-0"		NO	A1	GALV STEEL	DARK BRONZE	N/A	N/A	STEEL	POWER COATED GRAY	H1/A-602	H8/A-602		-	N/A	Exterior			EXTERIOR MECH OVERHEAD INSULATED ROLLING DOOR w/ MAN DOOR
135E	GYMNASIUM	8'-0"	7'-0"	1 3/4"	YES	6	FRP	DARK BRONZE	N/A	B	ANOD ALUM	DARK BRONZE	L12/A-602		L12/A-602	-	5.1			YES	EXTERIOR EGRES, ADA PUSH BUTTON (INTERIOR)
135C	GYMNASIUM	8'-0"	7'-0"	1 3/4"	YES	6	FRP	DARK BRONZE	N/A	B	ANOD ALUM	DARK BRONZE	L12/A-602		L12/A-602	-	5				EXTERIOR EGRESS
135A	GYMNASIUM	6'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	A	HM	PAINT	G1/A-602	D1/A-602		-	9.1	Interior	YES	YES	
135D	GYMNASIUM	8'-0"	7'-0"	1 3/4"	YES	6	FRP	DARK BRONZE	N/A	B	ANOD ALUM	DARK BRONZE	L12/A-602		L12/A-602	-	5				EXTERIOR EGRESS
135B	STORAGE	6'-0"	7'-0"	1 3/4"	YES	1	WD	STAIN	N/A	A	HM	PAINT	G1/A-602	D1/A-602		-	28	Interior			
136C	CORRIDOR	6'-0"	7'-0"		YES	5	ALUM	DARK BRONZE	IG2	CC/A-631	ALUM	DARK BRONZE	G8/A-602	D8/A-602		-	35	Interior	YES	YES	SEE SHEET A-631 TYPE CC
136A	CUSTODIAN OFFICE	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		45min.	27	Interior			OFFICE
136B	J. CL	3'-0"	7'-0"	1 3/4"	NO	3	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		45min.	25	Interior			MAINTENANCE
110A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	FF/A-631	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		SEE SHEET A-631 TYPE FF
137A	CORRIDOR	3'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	C	HM	PAINT	G4/A-602	D4/A-602		SMOKE	34	Interior			SMOKE DOOR-HOLD OPEN - OPPOSING SWING
ST-2A2	CORRIDOR	3'-8 1/4"	7'-10"	2 1/4"	NO	1	ANOD ALUM	DARK BRONZE		A	ALUM	DARK BRONZE	F15/A-631		D15/A-631	1HR	50	Interior	YES		FIRE-RATED ALUMINUM
201A	ELA CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		
202A	SOCIAL STUDIES CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
203A	SPANISH CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		
204A	MATH CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		
205A	CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		
206A	8TH GRADE CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
207A	GROUP CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		
208A	ELA CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		
209A	CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
210A	CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
211A	CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	21	Interior	YES		
212A	CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
213A	CLASSROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
T-215	A.G.T.	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	29	Interior		YES	
T-216	FAC. M.T	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	15	Interior	YES	YES	
T-217	MEN T.	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	32	Interior		YES	
T-218	WOMEN T.	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	32	Interior		YES	
220A	MECH. CL	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	25	Interior	YES		
220B	SERVER RM	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
T-221	FAC.W. T	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	15	Interior	YES	YES	
222A	CHEMISTRY	5'-0"	7'-0"	1 3/4"	YES	4	WD	PAINT	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	16	Interior	YES		
223A	EARTH SCIENCE	5'-0"	7'-0"	1 3/4"	YES	4	WD	PAINT	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	16	Interior	YES		
222B	PREP ROOM	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
220B	PREP ROOM	5'-0"	7'-0"	1 3/4"	YES	4	WD	STAIN	IG1	A	HM	PAINT	G4/A-602	D4/A-602		-	16	Interior	YES		
230B	ASSISTANT PRINCIPAL	3'-0"	7'-0"	1 3/4"	NO	1	WD	PAINT	N/A	A	HM	PAINT	G4/A-602	D4/A-602			43	Interior			CLOSET
229A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	FF/A-631	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
225A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	FF/A-631	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
227A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	FF/A-631	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
226A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	FF/A-631	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
230A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	FF/A-631	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
224A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	FF/A-631	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
228A	CORRIDOR	3'-0"	7'-0"	1 3/4"	NO	2	WD	STAIN	IG2	FF/A-631	HM	PAINT	G4/A-602	D4/A-602		-	20	Interior	YES		
200A	CORRIDOR	6'-0"	7'-0"	1 3/4"	YES	5	ALUM	DARK BRONZE	IG2	B	ALUM	DARK BRONZE	G8/A-602	D8/A-602			35	Interior		YES	EGRESS FIRE DOOR
232B	CORRIDOR	3'-0"	7'-0"	1 3/4"	YES	2	WD	STAIN	IG2	C	HM	PAINT	G4/A-602	D4/A-602		SMOKE	34	Interior			SMOKE DOOR
232A	J.C.	3'-0"	7'-0"	1 3/4"	NO	3	WD	STAIN	N/A	A	HM	PAINT	G4/A-602	D4/A-602		-	25	Interior			
ST-1-2	CORRIDOR	6'-0"	7'-0"	1 3/4"	YES	2	HM	STAIN	IG2	A	HM	PAINT	G4/A-602	D4/A-602		1HR	39	Interior		YES	EGRESS FIRE DOOR
235A	FITNESS CENTER	6'-0"	7'-0"	1 3/4"	YES	5	ALUM	DARK BRONZE	IG2	A	ALUM	DARK BRONZE	G8/A-602	D8/A-602		-	35	Interior	YES	YES	
235B	OFFICE	3'-0"	7'-0"	1 3/4"	NO	1	WD	STAIN	IG1	A	HM	PAINT	G4/A-602	D4/A-602		-	19	Interior	YES		
RG-200	ROOF GARDEN	6'-0"	7'-0"	1 3/4"	YES	8	ANOD ALUM	DARK BRONZE	G1	B	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	3			YES	EXTERIOR EGRESS, NIGHT LOCK
RG-201	ROOF GARDEN	3'-0"	7'-0"	1 3/4"	NO	8	ANOD ALUM	DARK BRONZE	G1	B	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	1HR	4		YES	YES	EXTERIOR EGRESS, NIGHT LOCK. FIRE RATED ALUMINUM
ST-1A	STAIR	6'-0"	7'-0"	1 3/4"	YES	2	HM	PAINT	IG2	A	HM	PAINT	G4/A-602	D4/A-602		1HR	39	Interior		YES	FIRE DOOR
ST-1B	STAIR	6'-0"	7'-10"	2 1/4"	YES	8	ANOD ALUM	DARK BRONZE	G4	D/A-621	ANOD ALUM	DARK BRONZE	D12/A-602		A12/A-602	-	35	Exterior	YES	YES	ADA PUSH BUTTON POST
ST-2A	STAIR	3'-0"	7'-10"	2"	NO	8	ALUM	DARK BRONZE	G4	OO/A-631	ALUM	DARK BRONZE	F15/A-631		D15/A-631	1HR	50	Interior	YES	YES	FIRE-RATED ALUMINUM
ST-2B	STAIR	6'-1 1/2"	7'-8 1/4"	2"	YES	8	ANOD ALUM	DARK BRONZE	G4	G/A-621	ANOD ALUM	DARK BRONZE				1HR		Interior			

TOTAL: 114

DOOR SCHEDULE NOTES

1. REFER TO SHEETS A-602 FOR INTERIOR DOOR DETAILS
2. REFER TO SHEET A-603 FOR INTERIOR AND EXTERIOR STOREFRONT DETAILS
3. REFER TO SHEET A-621 FOR EXTERIOR STOREFRONT TYPES
4. REFER TO SHEET A-631 FOR INTERIOR STOREFRONTS
5. OVERHEAD GARAGE DOOR IS TO BE FRAMED BY THE MANUFACTURER COORDINATE CORES AND KEYING WITH FACILITIES DIRECTOR AND BUILDING LOCKSMITH
7. EXTERIOR DOORS TO BE COORDINATED WITH DAY AUTOMATIONS- SECURITY VENDOR.
8. DOORS TO RECEIVE CARD READERS ARE NOTED ON THE DOOR SCHEDULE, AND ARE TO BE COORDINATED WITH ELECTRICAL.
9. DOORS TO RECEIVE ADA PUSH BUTTONS ARE NOTED IN COMMENTS COLUMN OF THE DOOR SCHEDULE, AND ARE TO BE COORDINATED WITH ELECTRICAL
   A. INSTALL PUSH BUTTONS ON BOTH THE ENTRY AND EXIT SIDES OF DOORS U.O.N.
   B. INSTALL PUSH BUTTONS 34" TO 48" ABOVE THE FINISHED FLOOR.
   C. ENSURE PUSH BUTTONS ARE INSTALLED 24" CLEAR OF THE DOOR SWING ON THE PULL SIDE OF THE DOOR.
   D. INSTALL PUSH BUTTON POSTS WHERE INDICATED ON FLOOR PLAN A-101.
10. ALL SINGLE-USE TOILET ROOMS TO INCLUDE AN OCCUPANCY INDICATOR WITH THE LOCKSET

GLAZING LEGEND

INTERIOR

IG1 CLEAR LAMINATED SAFETY GLAZING

IG2 CLEAR 1HR FIRE RATED SAFETY GLAZING

IG3 CLEAR HIGH IMPACT SPORTS GLAZING

IG4 CLEAR LAMINATED SAFETY GLAZING WITH BULLET RESISTANT FILM

EXTERIOR

G1 CLEAR INSULATED LAMINATED SAFETY GLASS

G2 INSULATED SPANDREL GLAZING PANEL

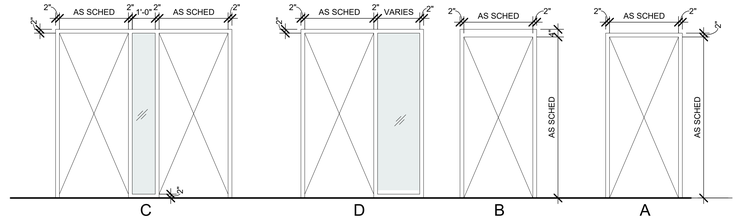
G3 TRANSLUCENT INSULATED LAMINATED SAFETY GLAZING

G4 CLEAR INSULATED LAMINATED SAFETY GLASS WITH BULLET RESISTANT FILM

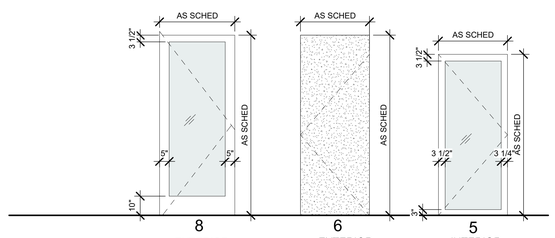
G5 EXTERIOR KALWALL SYSTEM / TRANSLUCENT INSULATED GLAZING PANEL

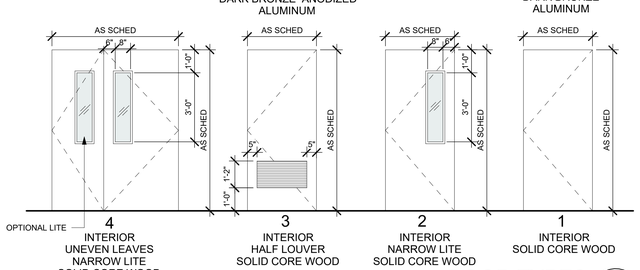
NOTE

1. ALL GLAZING TO BE SAFETY GLAZING
2. ANY GLAZING BELOW 60" AFF IS TO BE TEMPERED GLAZING.

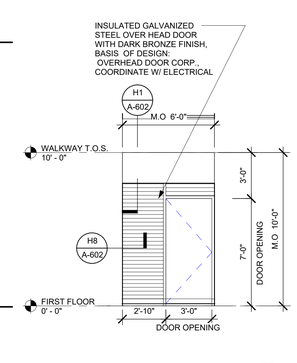


FRAME TYPES
N.T.S.





DOOR TYPES
3/8" = 1'-0"



OVERHEAD DOOR
1/4" = 1'-0"
A1

ARCHITECT

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www.arriscontracting.com

REGISTERED ARCHITECT ARMANDO SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES
P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: DOOR SCHEDULES
SHEET NUMBER: A-601

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
C:\Users\bcohen\Documents\2333403.60 Rockland BOCES P-Tech C-Tech_R23_rsvt_bcohenTP.d3rvt
7/3/2025 12:30:41 PM

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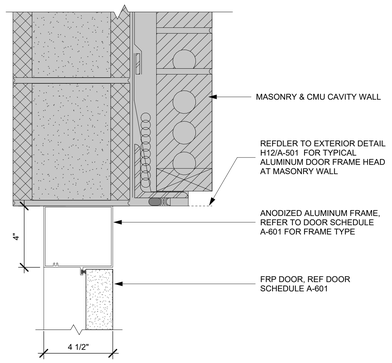
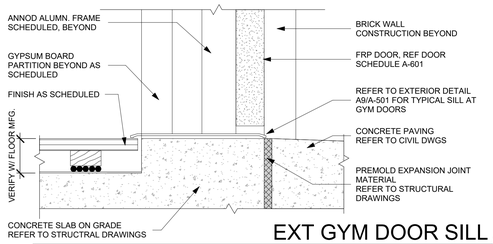
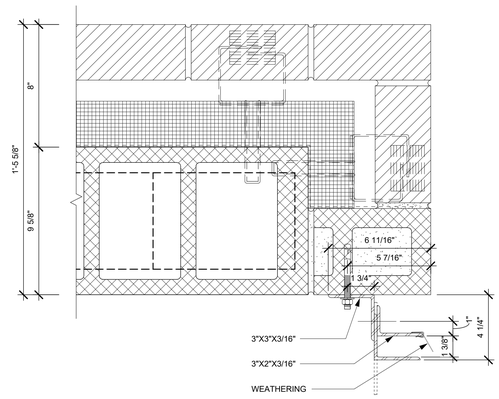


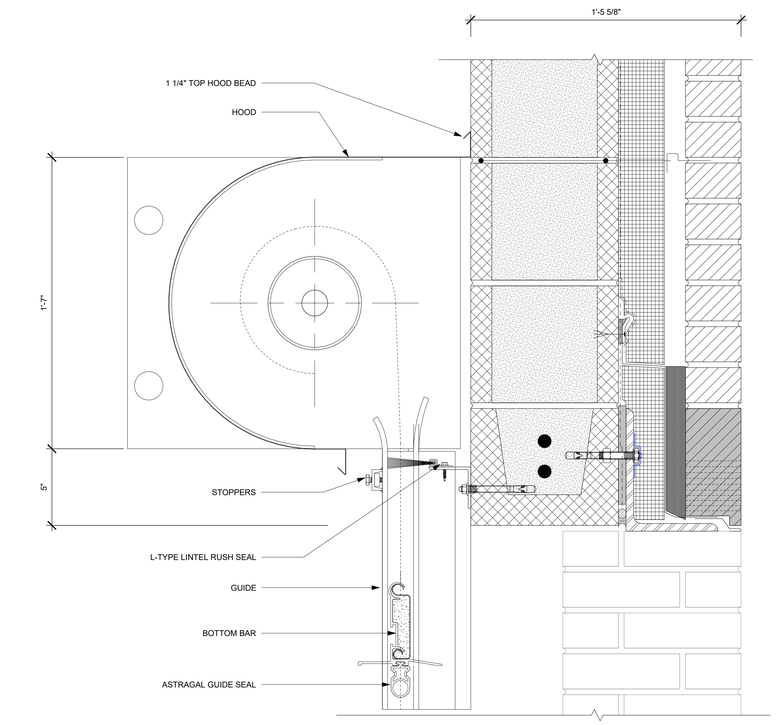
EXT ALUM DOOR HEAD L12
3" = 1'-0"



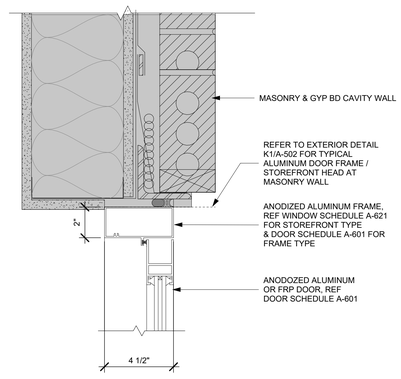
EXT GYM DOOR SILL H12
3" = 1'-0"



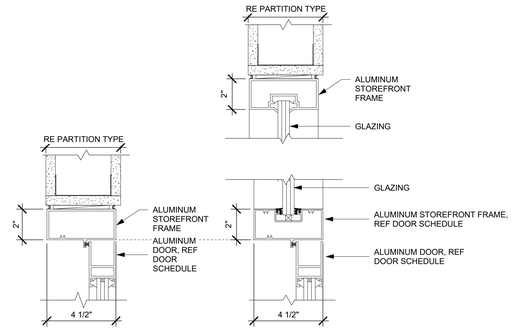
OVERHEAD DOOR JAMB (GUIDE) H8
3" = 1'-0"



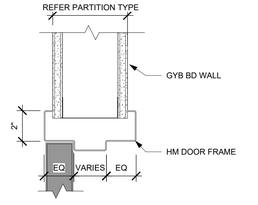
OVERHEAD DOOR HEAD H1
3" = 1'-0"



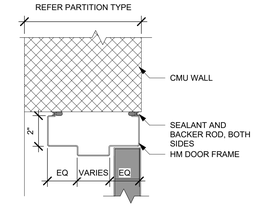
EXT ALUM DOOR HEAD AT MASONRY WALL D12
3" = 1'-0"



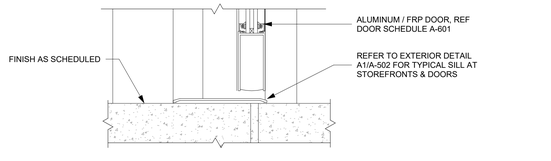
INT ALUM S/F WINDOW/DOOR HEAD D8
3" = 1'-0"



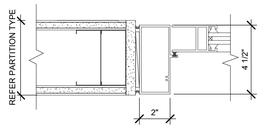
HM HEAD AT GYP BD WALL WALL D4
3" = 1'-0"



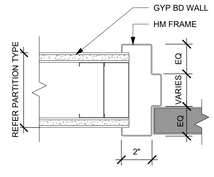
HM HEAD AT CMU D1
3" = 1'-0"



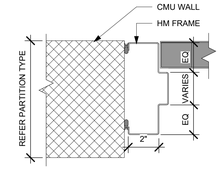
TYPICAL EXTRIOR DOOR SILL A12
3" = 1'-0"



INT ALUM S/F JAMB D7
3" = 1'-0"



HM JAMB AT GYP BD WALL A4
3" = 1'-0"



HM JAMB AT CMU A1
3" = 1'-0"

ARCHITECT

ksqdesign

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www.arriscontracting.com

REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 3" = 1'-0"
SHEET NAME:
DOOR DETAILS

SHEET NUMBER:
A-602

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
C:\Users\jfortner\Documents\2333403.99-Rockland BOCES P-Tech C-Tech_R23_nee_jfortner111-d3.rvt
7/3/2025 12:30:46 PM

PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

WINDOW GENERAL NOTES

1. REFER TO SHEETS A-311 THROUGH A-314 FOR EXTERIOR BUILDING SECTIONS AT STOREFRONTS AND WINDOWS
2. REFER TO SHEETS A-602 FOR EXTERIOR AND INTERIOR STOREFRONT DETAILS
3. ALL EXTERIOR ALUMINUM STOREFRONTS/ WINDOWS TO BE DARK BRONZE ANODIZED ALUMINUM, 2" X 4 1/2" PROFILE WITH FRONT GLAZING U.O.N.
4. ALL EXTERIOR ALUMINUM CURTAIN WALLS TO BE DARK BRONZE ANODIZED ALUMINUM, 2" X 7 1/2" PROFILE WITH FRONT GLAZING U.O.N.
5. ALL INTERIOR STOREFRONTS/WINDOWS TO BE PAINTED, HOLLOW METAL WITH A 2" X 4" PROFILE WITH CENTER GLAZING U.O.N.
6. ALL WINDOWS ARE INTEGRAL TO THE STOREFRONT SYSTEM. BASIS OF DESIGN: KAWNEER 8400 TL SERIES HORIZONTAL SLIDING WINDOW.
7. GC TO PROVIDE RESCUE WINDOW LABEL ON INTERIOR WINDOW SHADE FACING THE CLASSROOM SIDE AT RESCUE WINDOWS LOCATIONS.
8. ALL EXTERIOR WINDOW DIMENSIONS ARE TO BRICK COURSING, THEREFORE THE CONTRACTOR SHALL ALLOW FOR PROPER R.O. DIMENSION TO STUD, CMU AND ANY OTHER NEW WALL OPENING CONDITIONS TO PROPERLY SET ALL SHIMS, ANCHORS AND BACKER RODS AND SEALANT.
9. IT IS THE DESIGN INTENT THAT THE EXTERIOR WINDOWS ARE SEALED COMPLETELY AROUND THE ENTIRE WINDOW WITH EXTERIOR SEALANT, SECONDARY BACKER, AND SEALANT ATTACHED TO THE AIR AND MOISTURE BARRIER.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETAIL IN THEIR RESPECTIVE SHOP DRAWINGS ALL THE NECESSARY ATTACHMENTS WHICH INCLUDES THE SEALANT AND ALL REQUIRED INFORMATION.

IT IS THE RESPONSIBILITY OF THE GC/ CONTRACTORS TO FIELD VERIFY ALL WINDOW OPENINGS PRIOR TO FABRICATION TO ENSURE THE R.O. ARE PROPERLY CREATED AND WILL HOUSE THE WINDOWS CORRECTLY AND ENSURE THAT THE WINDOWS HAVE OPTIMAL DESIGN PERFORMANCE WITHIN THE GIVEN WALL STRUCTURE.

GLAZING LEGEND

INTERIOR

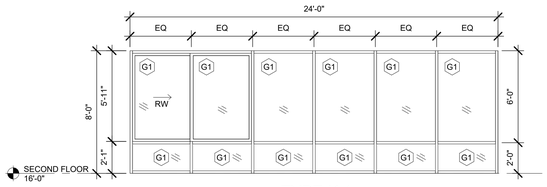
IG1	CLEAR LAMINATED SAFETY GLAZING
IG2	CLEAR 1HR FIRE RATED SAFETY GLAZING
IG3	CLEAR HIGH IMPACT SPORTS GLAZING
IG4	CLEAR LAMINATED SAFETY GLAZING WITH BULLET RESISTANT FILM

EXTERIOR

G1	CLEAR INSULATED LAMINATED SAFETY GLASS
G2	INSULATED SPANDREL GLAZING PANEL
G3	TRANSLUCENT INSULATED LAMINATED SAFETY GLAZING
G4	CLEAR INSULATED LAMINATED SAFETY GLASS WITH BULLET RESISTANT FILM
G5	EXTERIOR KALWALL SYSTEM / TRANSLUCENT INSULATED GLAZING PANEL

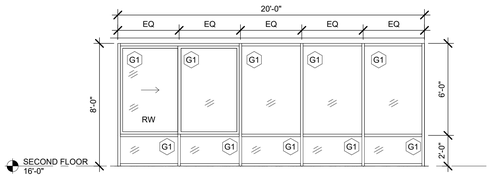
NOTE

1. ALL GLAZING TO BE SAFETY GLAZING
2. ANY GLAZING BELOW 60" AFF IS TO BE TEMPERED GLAZING.



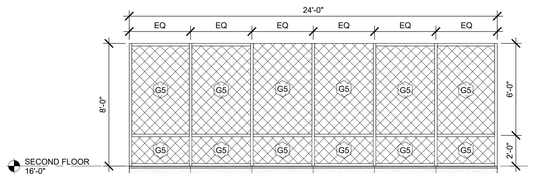
TYPE K.1

DARK BRONZE
ANODIZED ALUMINUM
WINDOW



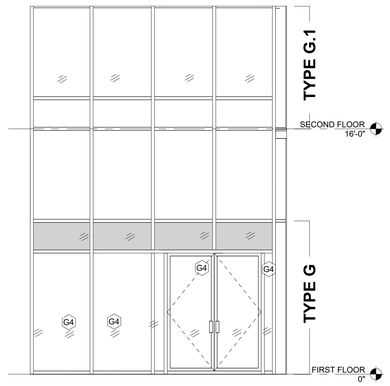
TYPE L

DARK BRONZE
ANODIZED ALUMINUM
WINDOW



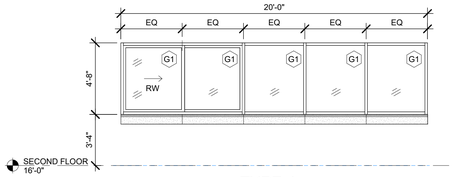
TYPE K

DARK BRONZE
ANODIZED ALUMINUM
WINDOW



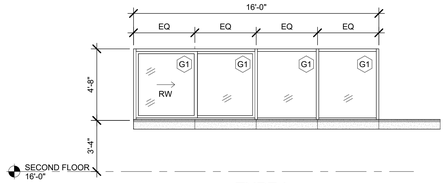
TYPE G & G.1

DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT



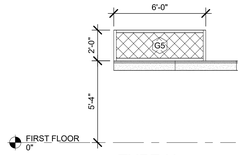
TYPE J

DARK BRONZE
ANODIZED ALUMINUM
WINDOW



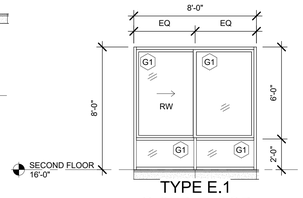
TYPE I

DARK BRONZE
ANODIZED ALUMINUM
WINDOW

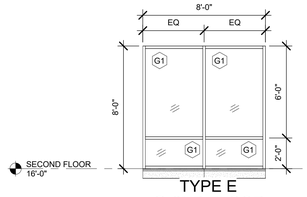


TYPE H

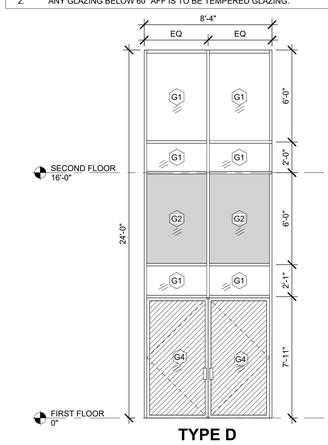
DARK BRONZE
ANODIZED ALUMINUM
WINDOW



TYPE E.1
@ 2ND FLOOR

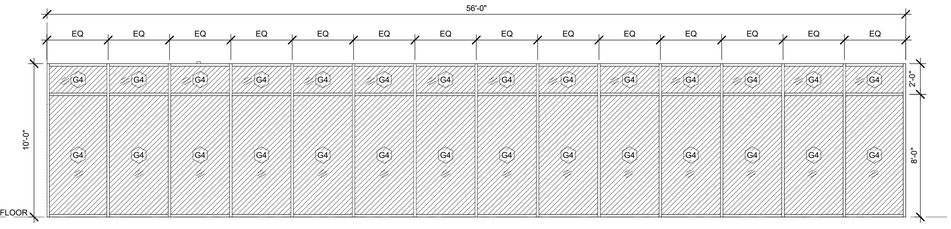


TYPE E
@ 2ND FLOOR



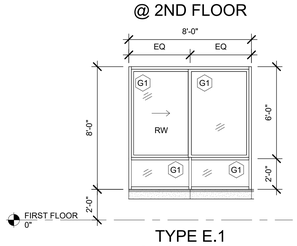
TYPE D

DARK BRONZE
ANODIZED ALUMINUM
CURTAIN WALL



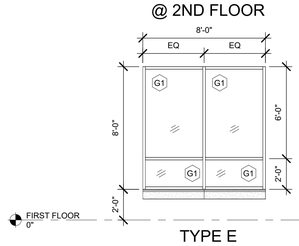
TYPE F

DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT



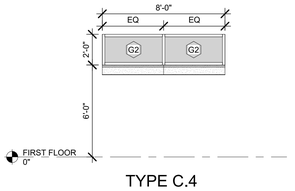
TYPE E.1
@ 1ST FLOOR

DARK BRONZE
ANODIZED ALUMINUM
WINDOW
WITH RESCUE
WINDOW



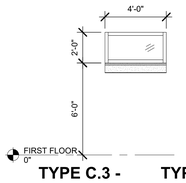
TYPE E
@ 1ST FLOOR

DARK BRONZE
ANODIZED ALUMINUM
WINDOW



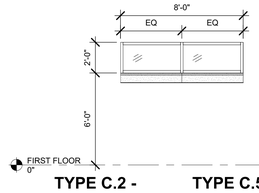
TYPE C.4

DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT



TYPE C.3 - GLAZING G1

DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT



TYPE C.6 - GLAZING G3

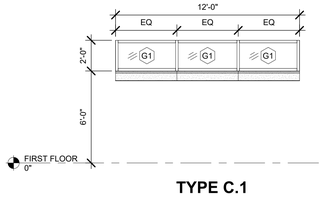
DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT

TYPE C.2 - GLAZING G1

DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT

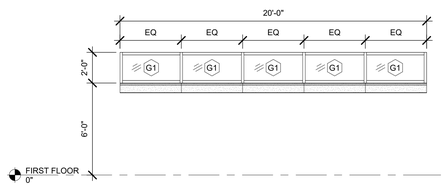
TYPE C.5 - GLAZING G3

DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT



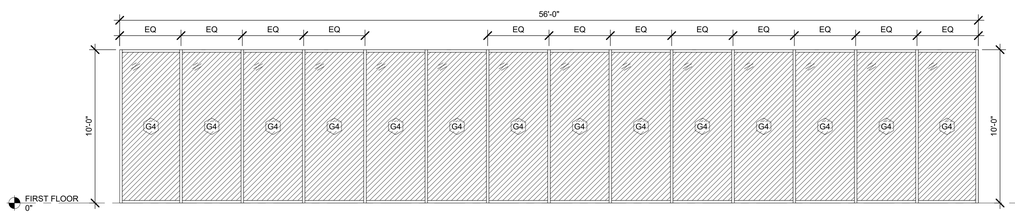
TYPE C.1

DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT



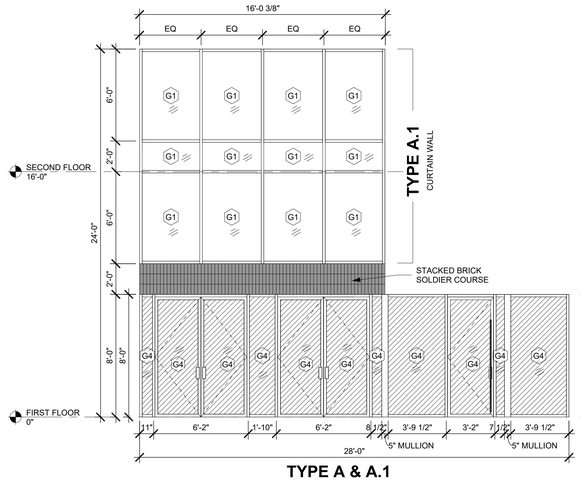
TYPE C

DARK BRONZE
ALUMINUM
STOREFRONT



TYPE B

DARK BRONZE
ANODIZED ALUMINUM
STOREFRONT



TYPE A & A.1

DARK BRONZE
ANODIZED ALUMINUM

ARCHITECT

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www.ksq.design

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www.fellp.com

Structural Engineer

GACE CONSULTING ENGINEERS
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www.gace.net

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Farmingdale, NY, 11735
631-420-9400 office
www.elitestudioe.com

Construction Manager:

ARRIS CONTRACTING COMPANY, Inc.
189 Smith Street
Poughkeepsie, NY 12601
845-473-3600 office
www.arriscontracting.com

REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: WINDOW SCHEDULE-EXTERIOR
SHEET NUMBER: A-621

BID SET

DRAWN BY: AChor
CHECKED BY: AQuadrini
C:\Users\AChor\OneDrive\Documents\2333403.00 Rockland BOCES P-Tech C-Tech_R23_rvw_1chor7f1.d37r.vt
7/3/2025 12:30:50 PM

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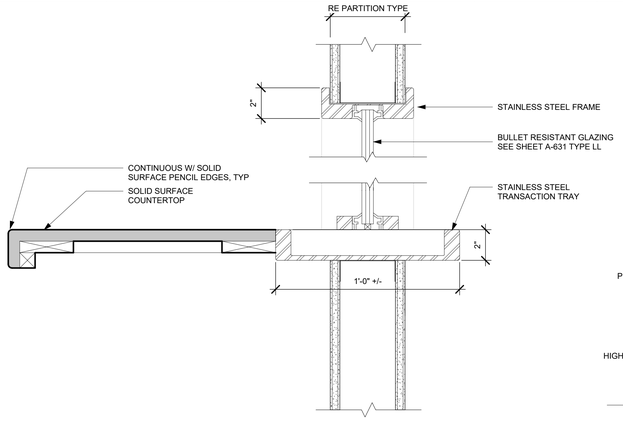
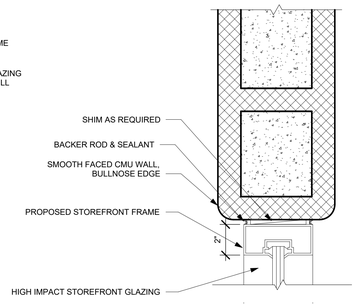
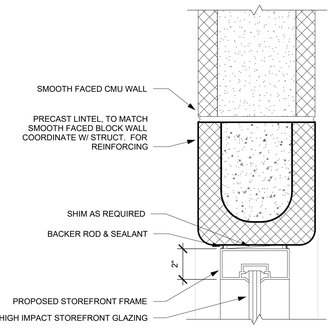


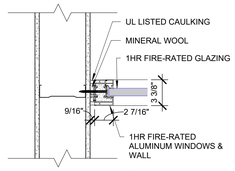
TRANSACTION WINDOW SECTION DETAIL L14
3" = 1'-0"



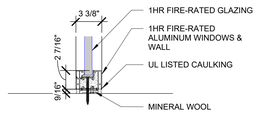
SF JAMB - HIGH IMPACT L11
3" = 1'-0"



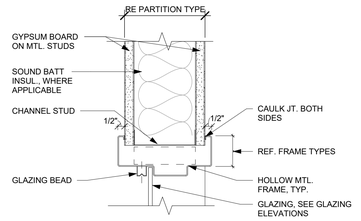
SF WINDOW HEAD - HIGH IMPACT L7
3" = 1'-0"



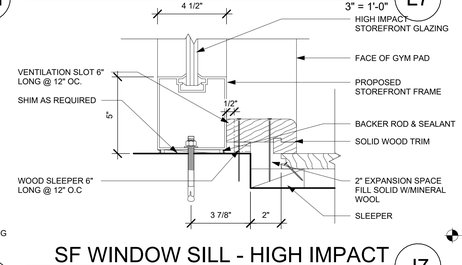
JAMB DETAIL J15
1 1/2" = 1'-0"



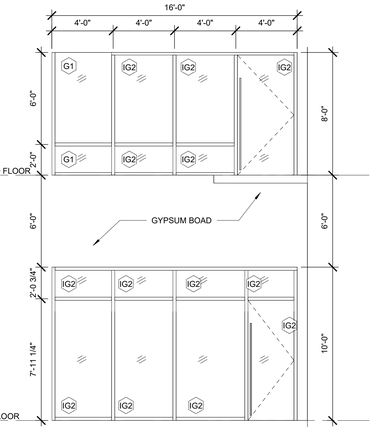
SILL DETAIL J12
1 1/2" = 1'-0"



HM WINDOW FRAME DETAIL, TYP M4
3" = 1'-0"



SF WINDOW SILL - HIGH IMPACT J7
3" = 1'-0"



TYPE OO
1HR FIRE RATED HOLLOW METAL STOREFRONT

WINDOW GENERAL NOTES

1. REFER TO SHEETS A-311 THROUGH A-314 FOR EXTERIOR BUILDING SECTIONS AT STOREFRONTS AND WINDOWS
2. REFER TO SHEETS A-602 FOR EXTERIOR AND INTERIOR STOREFRONT DETAILS
3. ALL EXTERIOR ALUMINUM STOREFRONTS/ WINDOWS TO BE DARK BRONZE ANODIZED ALUMINUM, 2" X 4 1/2" PROFILE WITH FRONT GLAZING U.O.N.
4. ALL EXTERIOR ALUMINUM CURTAIN WALLS TO BE DARK BRONZE ANODIZED ALUMINUM, 2" X 7 1/2" PROFILE WITH FRONT GLAZING U.O.N.
5. ALL INTERIOR STOREFRONTS/WINDOWS TO BE PAINTED, HOLLOW METAL WITH A 2" X 4" PROFILE WITH CENTER GLAZING U.O.N.
6. ALL WINDOWS ARE INTEGRAL TO THE STOREFRONT SYSTEM. BASIS OF DESIGN: KAWNEER 8400 TL SERIES HORIZONTAL SLIDING WINDOW.
7. GC TO PROVIDE RESCUE WINDOW LABEL ON INTERIOR WINDOW SHADE FACING THE CLASSROOM SIDE AT RESCUE WINDOWS LOCATIONS.
8. ALL EXTERIOR WINDOW DIMENSIONS ARE TO BRICK COURSING, THEREFORE THE CONTRACTOR SHALL ALLOW FOR PROPER R.O. DIMENSION TO STUD, CMU AND ANY OTHER NEW WALL OPENING CONDITIONS TO PROPERLY SET ALL SHIMS, ANCHORS AND BACKER RODS AND SEALANT.
9. IT IS THE DESIGN INTENT THAT THE EXTERIOR WINDOWS ARE SEALED COMPLETELY AROUND THE ENTIRE WINDOW WITH EXTERIOR SEALANT, SECONDARY BACKER, AND SEALANT ATTACHED TO THE AIR AND MOISTURE BARRIER.
10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETAIL IN THEIR RESPECTIVE SHOP DRAWINGS ALL THE NECESSARY ATTACHMENTS WHICH INCLUDES THE SEALANT AND ALL REQUIRED INFORMATION.

IT IS THE RESPONSIBILTY OF THE GC/ CONTRACTORS TO FIELD VERIFY ALL WINDOW OPENINGS PRIOR TO FABRICATION TO ENSURE THE R.O. ARE PROPERLY CREATED AND WILL HOUSE THE WINDOWS CORRECTLY AND ENSURE THAT THE WINDOWS HAVE OPTIMAL DESIGN PERFORMANCE WITHIN THE GIVEN WALL STRUCTURE.

GLAZING LEGEND

INTERIOR

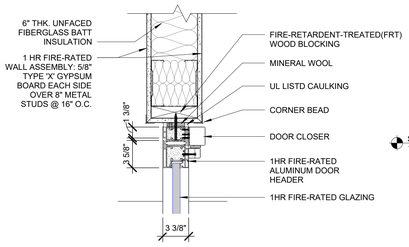
IG1	CLEAR LAMINATED SAFETY GLAZING
IG2	CLEAR 1HR FIRE RATED SAFETY GLAZING
IG3	CLEAR HIGH IMPACT SPORTS GLAZING
IG4	CLEAR LAMINATED SAFETY GLAZING WITH BULLET RESISTANT FILM

EXTERIOR

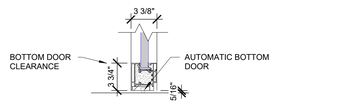
G1	CLEAR INSULATED LAMINATED SAFETY GLASS
G2	INSULATED SPANDREL GLAZING PANEL
G3	TRANSLUCENT INSULATED LAMINATED SAFETY GLAZING
G4	CLEAR INSULATED LAMINATED SAFETY GLASS WITH BULLET RESISTANT FILM
G5	EXTERIOR KALWALL SYSTEM / TRANSLUCENT INSULATED GLAZING PANEL

NOTE

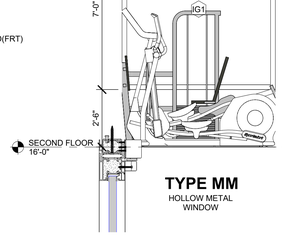
1. ALL GLAZING TO BE SAFETY GLAZING.
2. ANY GLAZING BELOW 60" AFF IS TO BE TEMPERED GLAZING.



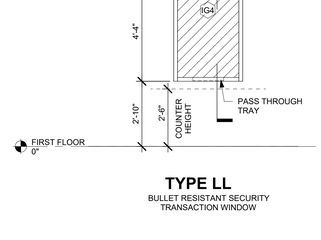
HEAD DETAIL F15
1 1/2" = 1'-0"



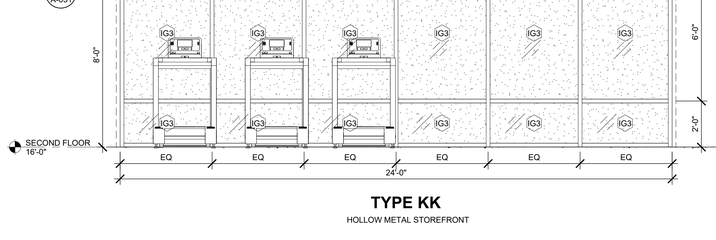
BOTTOM DOOR RAIL D15
1 1/2" = 1'-0"



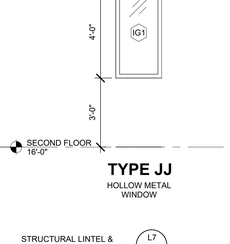
TYPE MM
HOLLOW METAL WINDOW



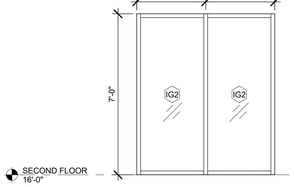
TYPE LL
BULLET RESISTANT SECURITY TRANSACTION WINDOW



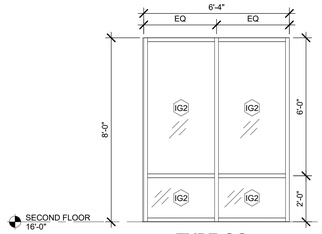
TYPE KK
HOLLOW METAL STOREFRONT



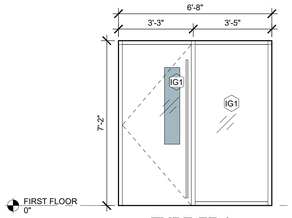
TYPE JJ
HOLLOW METAL WINDOW



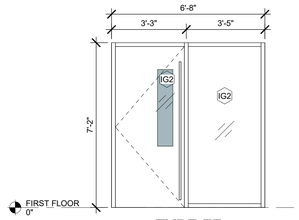
TYPE HH
HOLLOW METAL STOREFRONT



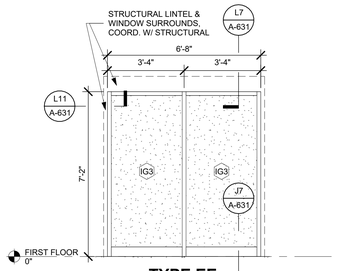
TYPE GG
HOLLOW METAL STOREFRONT



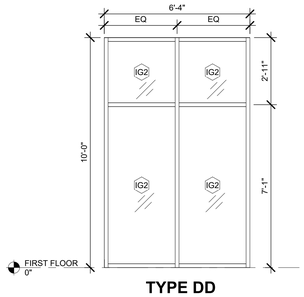
TYPE FF.1
HOLLOW METAL STOREFRONT NON RATED



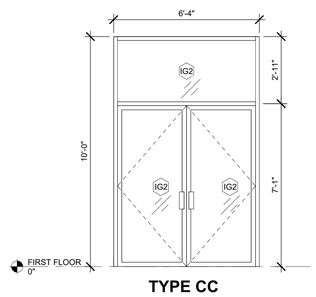
TYPE FF
HOLLOW METAL STOREFRONT 1 HR FIRE RATED



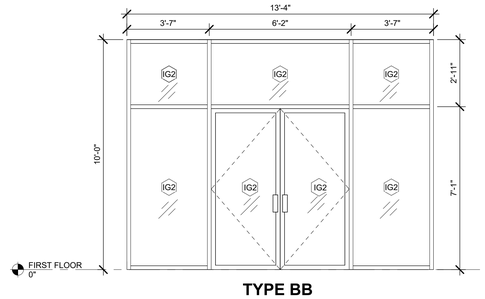
TYPE EE
HIGH IMPACT ALUMINUM STOREFRONT
NOTE: GLAZING TO BE CATEGORY II, CPSC STANDARD 16 CPR 1201 ALL EDGES POLISHED



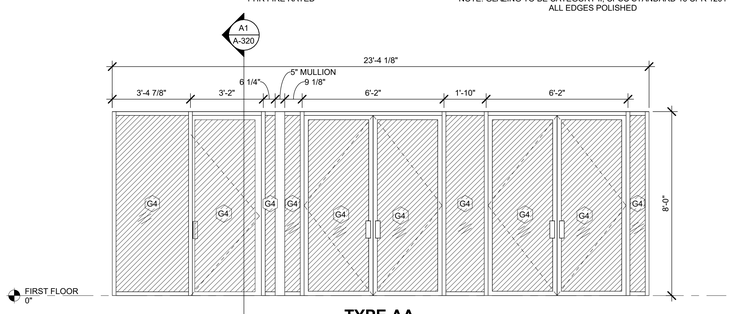
TYPE DD
DARK BRONZE ALUMINUM STOREFRONT



TYPE CC
DARK BRONZE ALUMINUM STOREFRONT



TYPE BB
DARK BRONZE ALUMINUM STOREFRONT



TYPE AA
DARK BRONZE ALUMINUM STOREFRONT

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STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: WINDOW SCHEDULE & DETALS-INTERIOR
SHEET NUMBER: A-631

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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PROJECT NUMBER: 2333403.01
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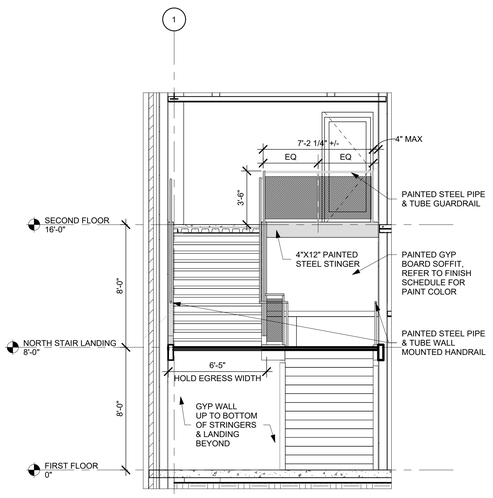
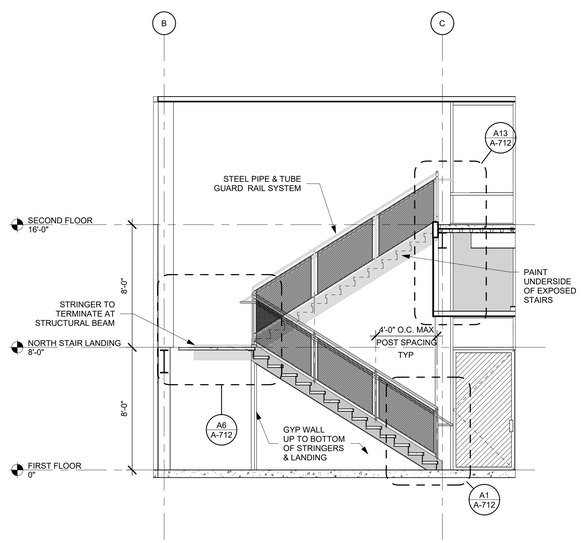


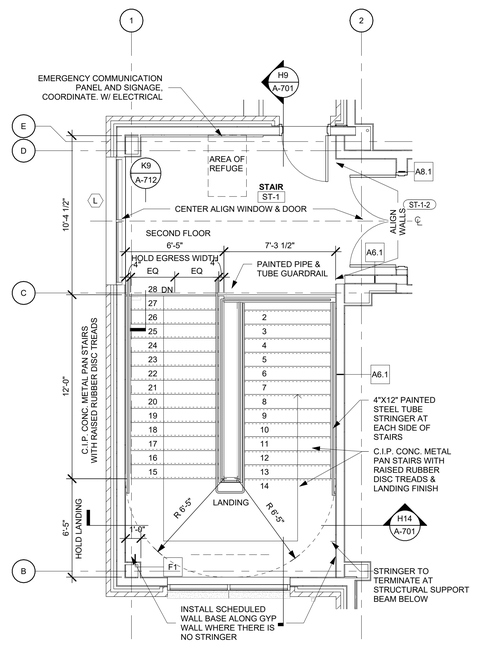
NORTH STAIR CROSS SECTION H14

1/4" = 1'-0"



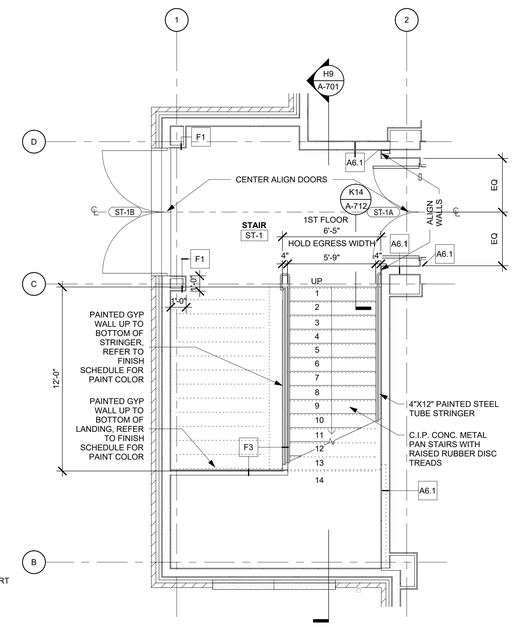
NORTH STAIR SECTION H9

1/4" = 1'-0"



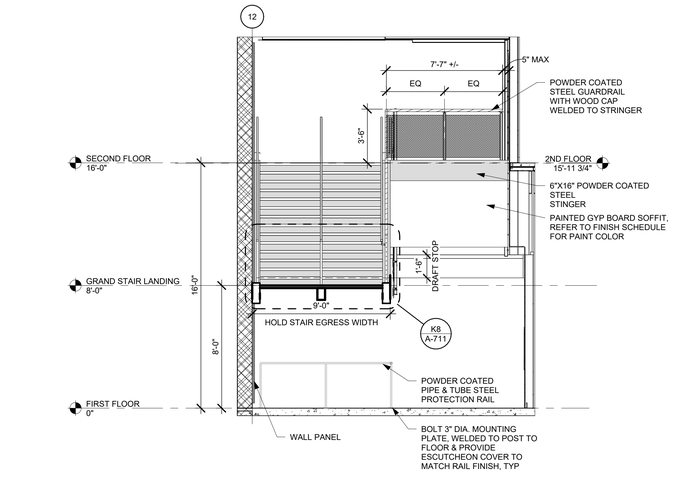
SECOND FLOOR NORTH STAIR PLAN H5

1/4" = 1'-0"



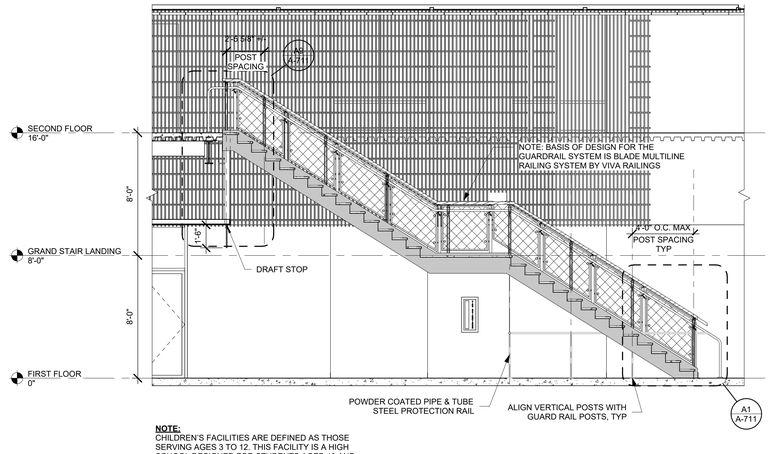
FIRST FLOOR NORTH STAIR PLAN H1

1/4" = 1'-0"



GRAND STAIR CROSS SECTION A13

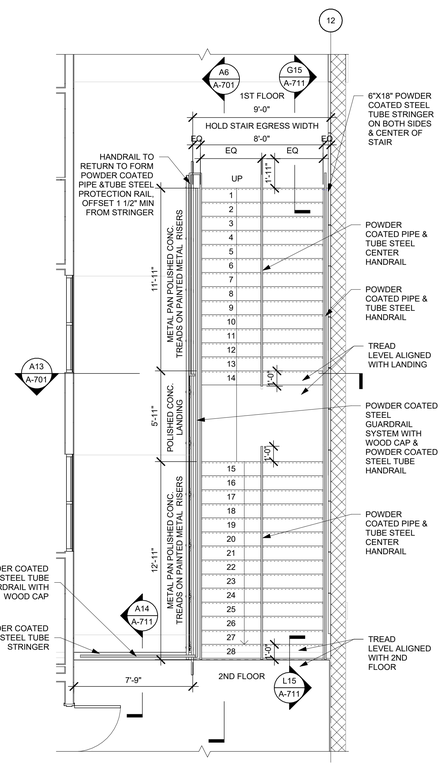
1/4" = 1'-0"



NOTE:
CHILDREN'S FACILITIES ARE DEFINED AS THOSE SERVING AGES 3 TO 12. THIS FACILITY IS A HIGH SCHOOL DESIGNED FOR STUDENTS AGED 13 AND OLDER. THEREFORE, THE REQUIREMENT IN SED MANUAL S108-2 FOR CLIMB-RESISTANT HANDRAIL DESIGN DOES NOT APPLY IN THIS CASE.

GRAND STAIR SECTION A6

1/4" = 1'-0"



GRAND STAIR ENLARGED PLAN A1

1/4" = 1'-0"

ARCHITECT

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STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: STAIR PLANS & SECTIONS
SHEET NUMBER: A-701

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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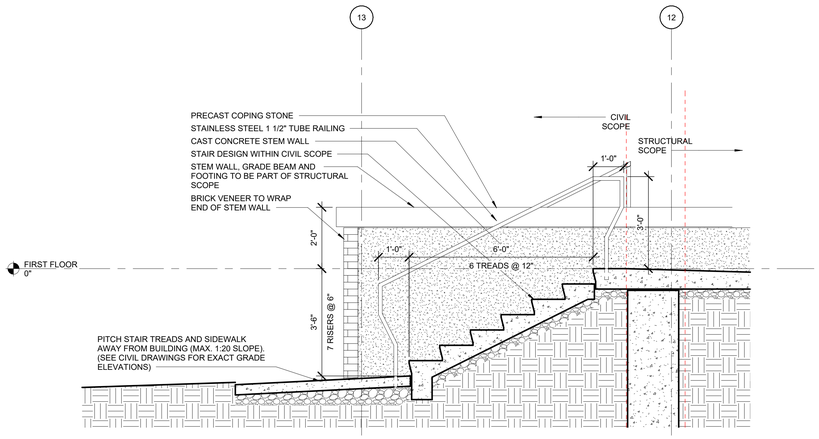
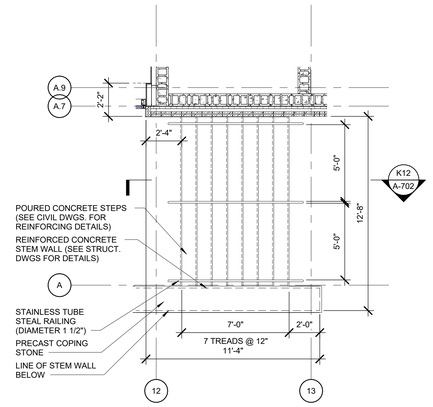


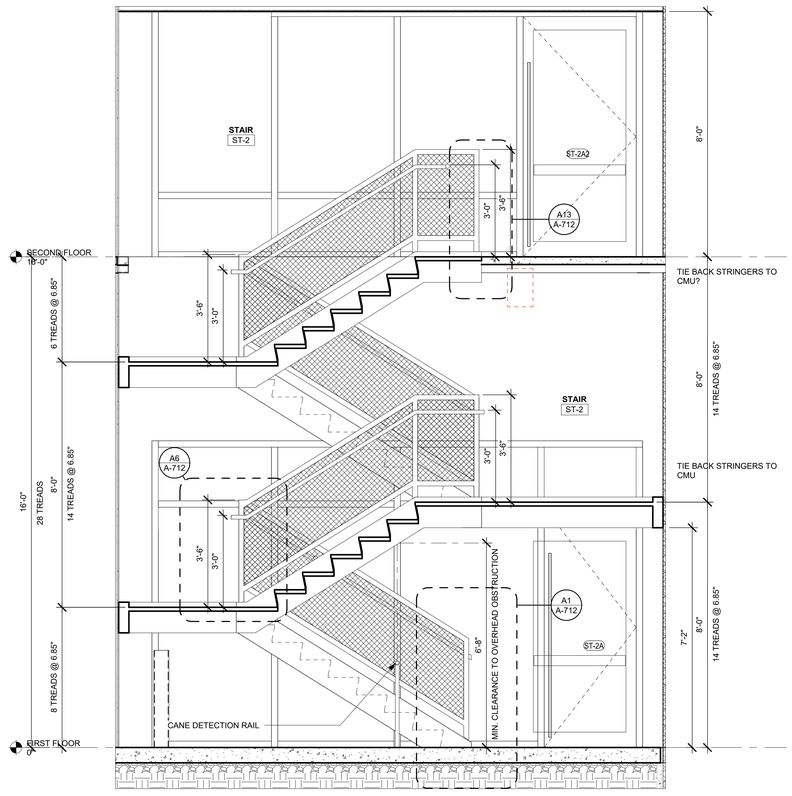
CROSS SECTION EXTERIOR WEST STAIR K12

1/2" = 1'-0"



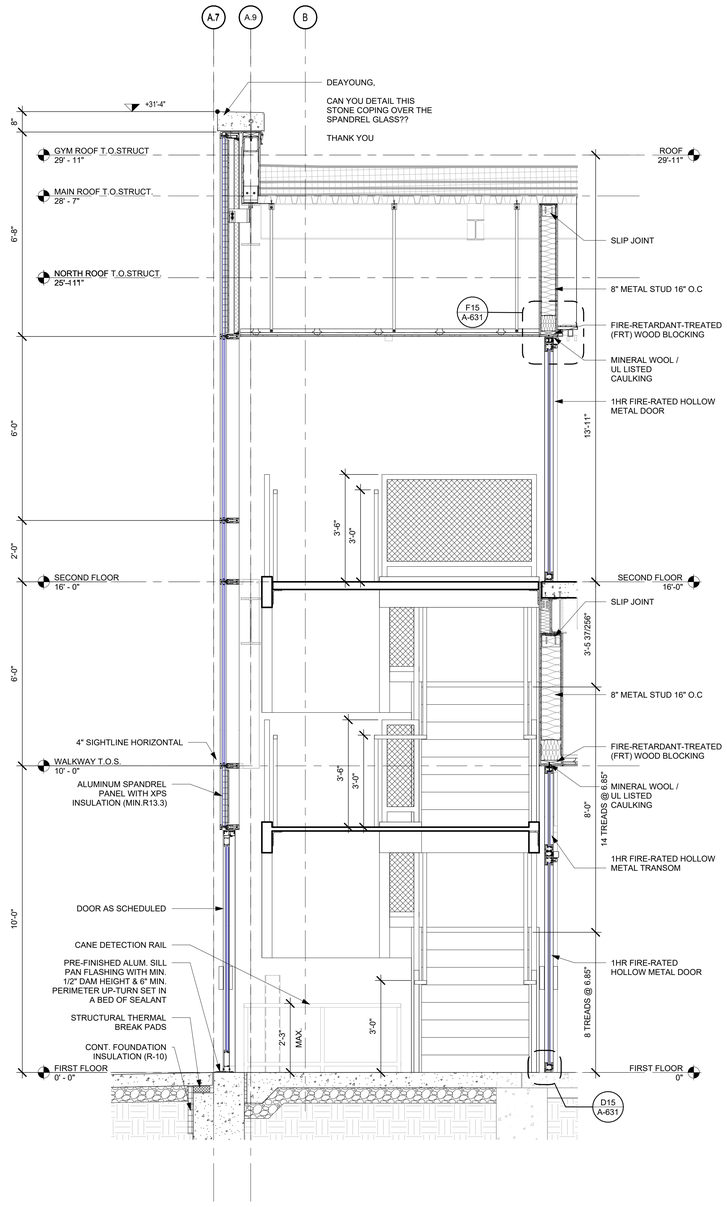
EXTERIOR WEST STAIR K1

1/4" = 1'-0"



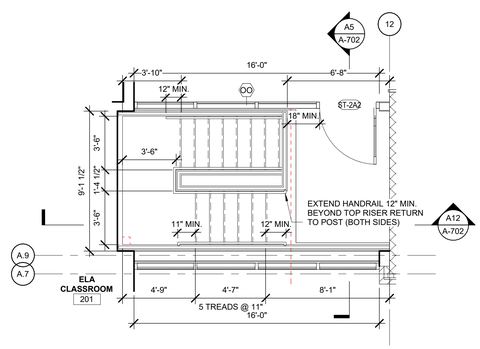
LONGITUDINAL SECTION WEST STAIR A12

1/2" = 1'-0"



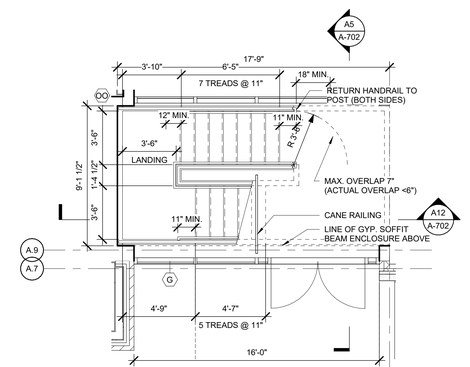
CROSS SECTION WEST STAIR A5

1/2" = 1'-0"



SECOND FLOOR WEST STAIR PLAN E1

1/4" = 1'-0"



FIRST FLOOR WEST STAIR PLAN A1

1/4" = 1'-0"

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STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: STAIR PLANS & SECTIONS
SHEET NUMBER: A-702

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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7/3/2025 12:31:01 PM

PROJECT NUMBER: 2333403.01
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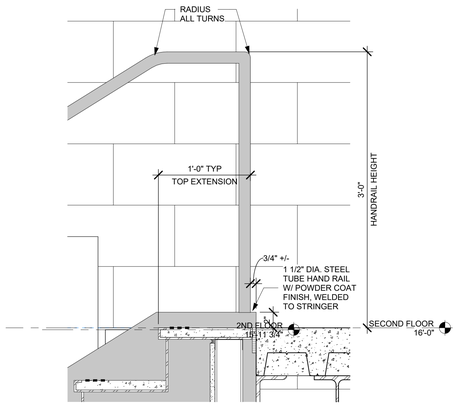
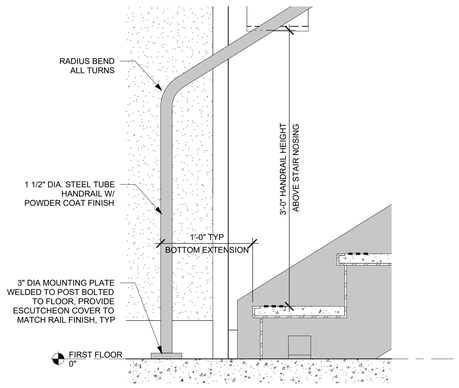


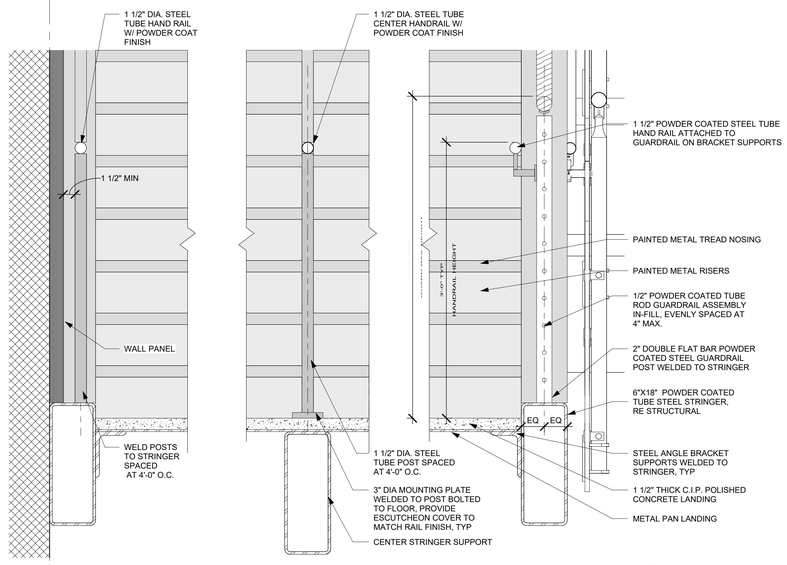
HANDRAIL STRINGER MOUNT AT TOP L15

1 1/2" = 1'-0"



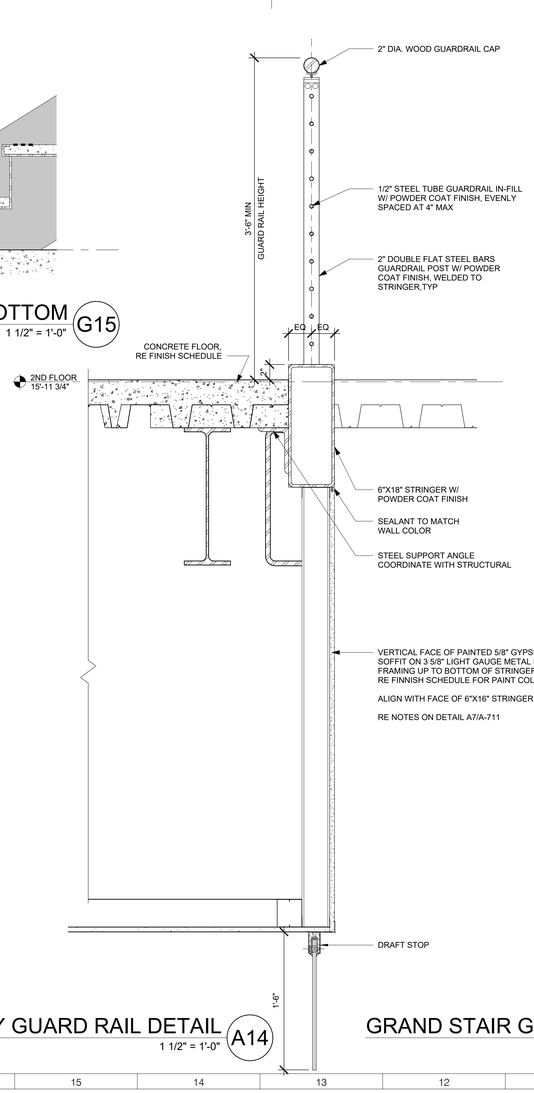
HANDRAIL FLOOR MOUNT AT BOTTOM G15

1 1/2" = 1'-0"



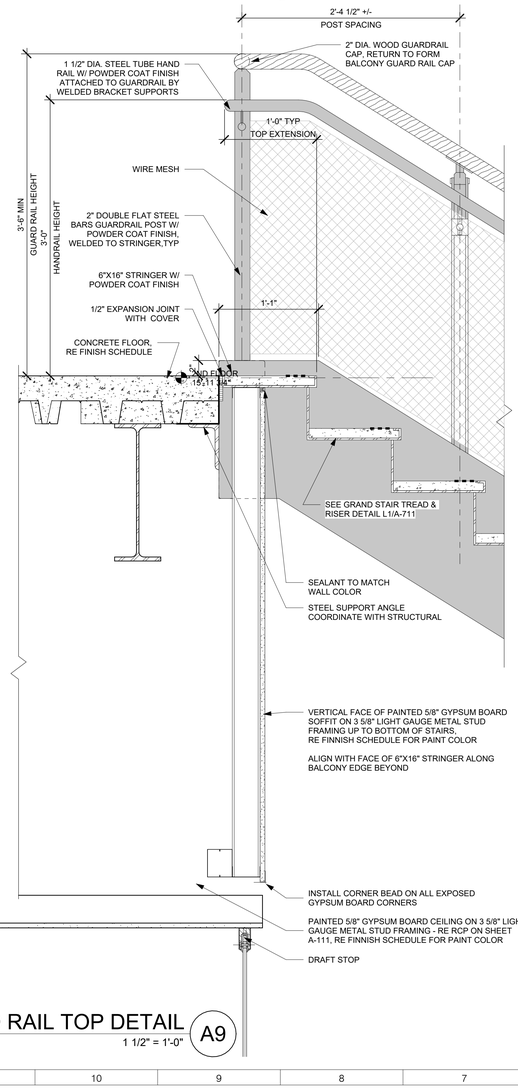
GRAND STAIR LANDING RAILING DETAILS K8

1 1/2" = 1'-0"



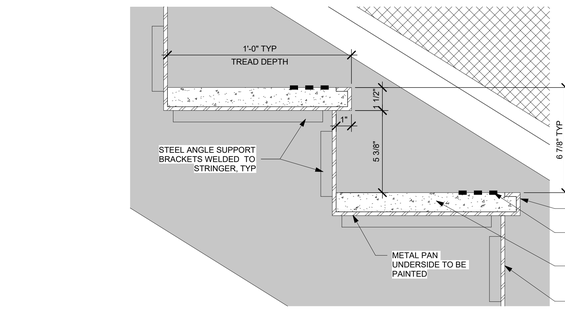
GRAND STAIR BALCONY GUARD RAIL DETAIL A14

1 1/2" = 1'-0"



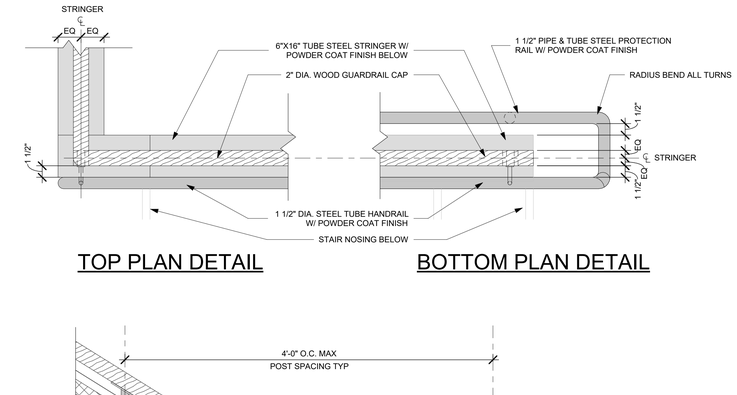
GRAND STAIR GUARD RAIL TOP DETAIL A9

1 1/2" = 1'-0"



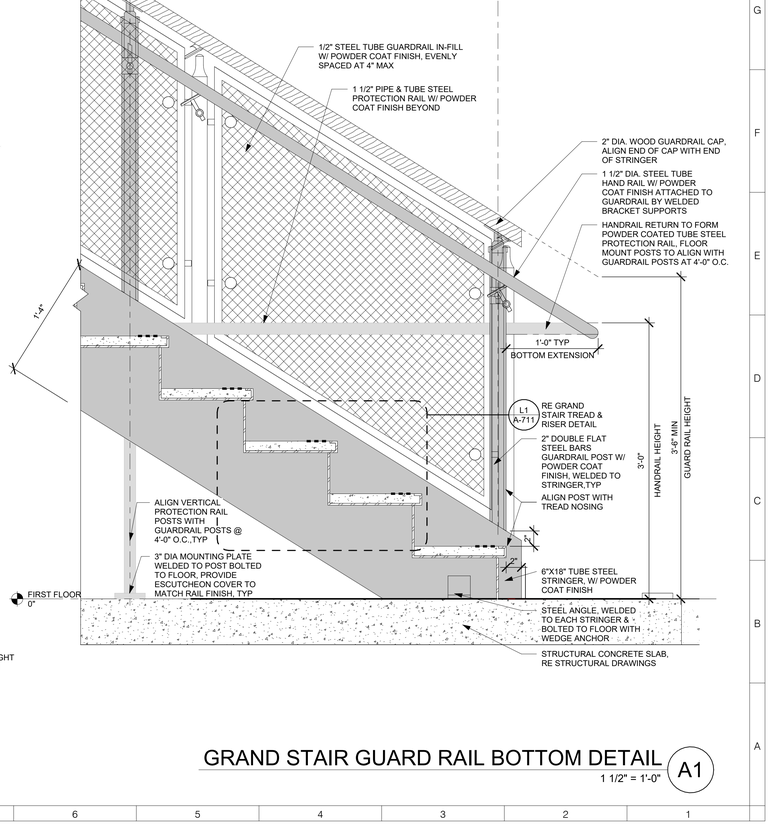
GRAND STAIR TREAD & RISER DETAIL L1

3" = 1'-0"



TOP PLAN DETAIL

BOTTOM PLAN DETAIL



GRAND STAIR GUARD RAIL BOTTOM DETAIL A1

1 1/2" = 1'-0"

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REGISTERED ARCHITECT
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022313
STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: STAIR DETAILS
SHEET NUMBER: A-711

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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7/3/2025 12:31:04 PM

PROJECT NUMBER: 2333403.01

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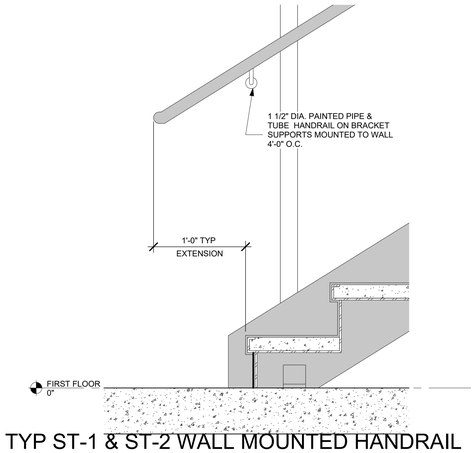
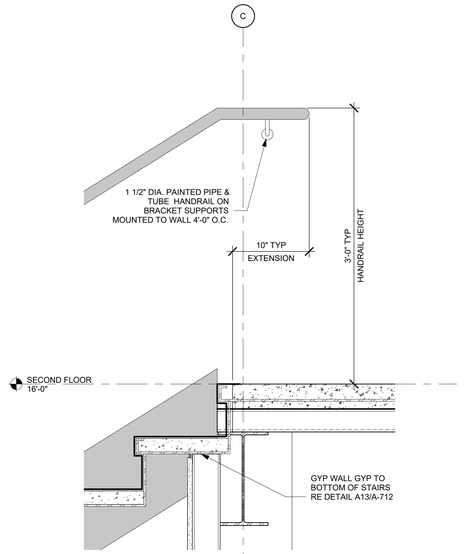


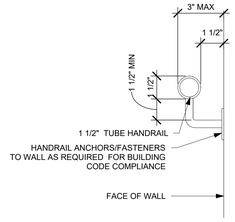
TYP ST-1 & ST-2 WALL MOUNTED HANDRAIL BOTTOM K14

1 1/2" = 1'-0"



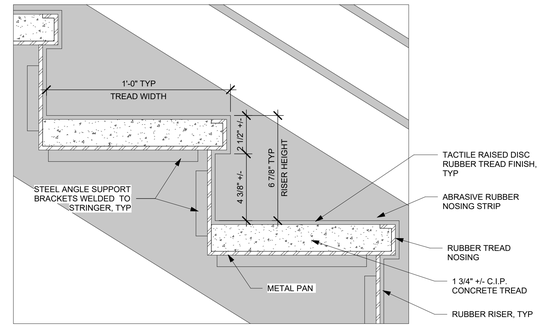
TYP ST-1 & ST-2 WALL MOUNTED HANDRAIL TOP K9

1 1/2" = 1'-0"



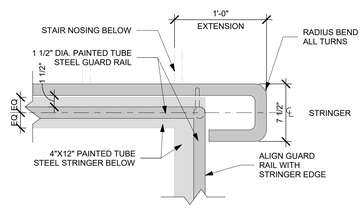
WALL MOUNTED HANDRAIL L6

3" = 1'-0"

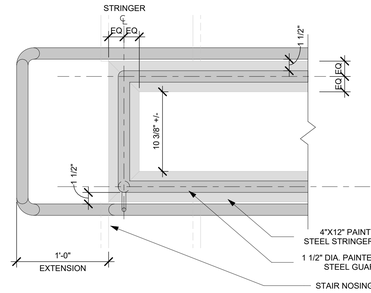


TYP ST-1 & ST-2 TREAD & RISER DETAIL L1

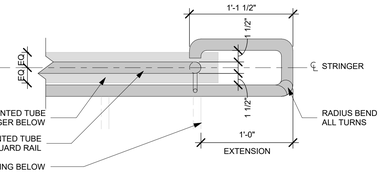
3" = 1'-0"



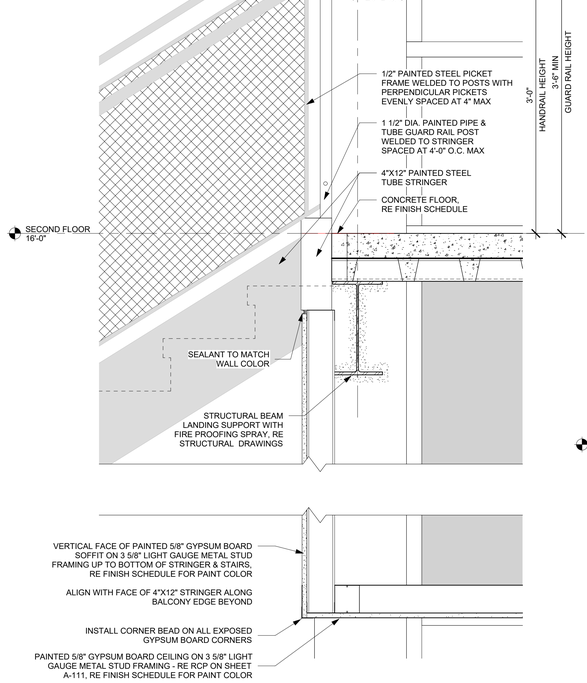
TOP PLAN DETAIL AT 2ND FLR



TOP PLAN DETAIL AT LANDING

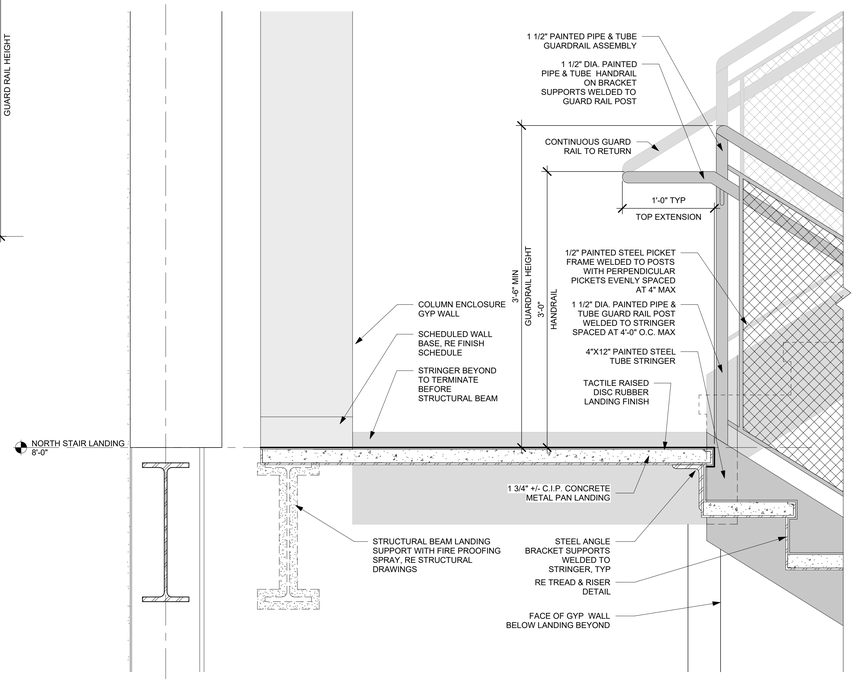


BOTTOM PLAN DETAIL AT 1ST FLR



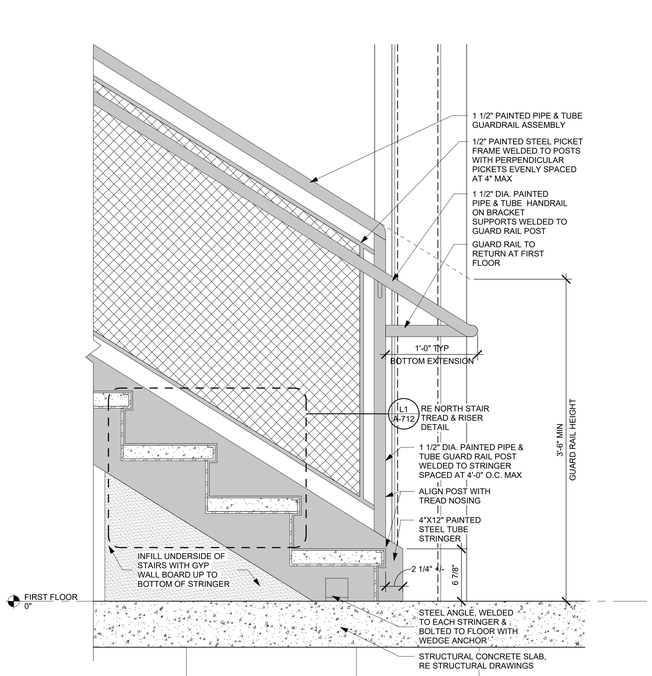
TYP ST-1 & ST-2 AT 2ND FLOOR A13

1 1/2" = 1'-0"



TYP ST-1 & ST-2 GUARDRAIL & LANDING DETAIL A6

1 1/2" = 1'-0"



TYP ST-1 & ST-2 GUARD RAIL AT 1ST FLOOR A1

1 1/2" = 1'-0"

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REGISTERED ARCHITECT RAMANO SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: STAIR DEATILS
SHEET NUMBER: A-712

BID SET

DRAWN BY: JA/NV
CHECKED BY: RQ/SW
C:\Users\Archive\Documents\2333403.09 Rockland BOCES P-Tech C-Tech_R23_vsw_brhechTF.d23.rvt
7/3/2025 12:31:06 PM

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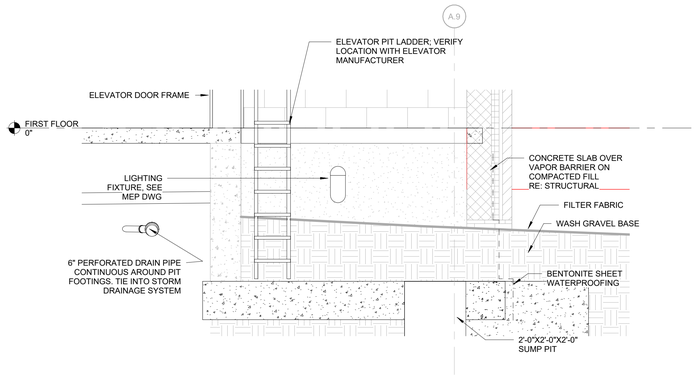
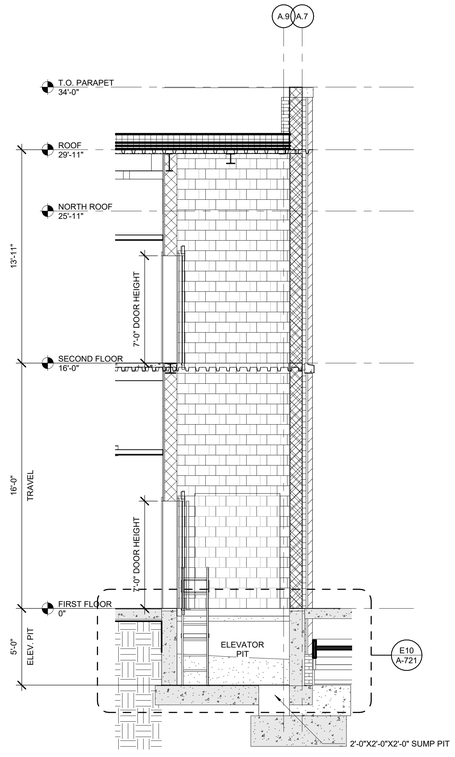
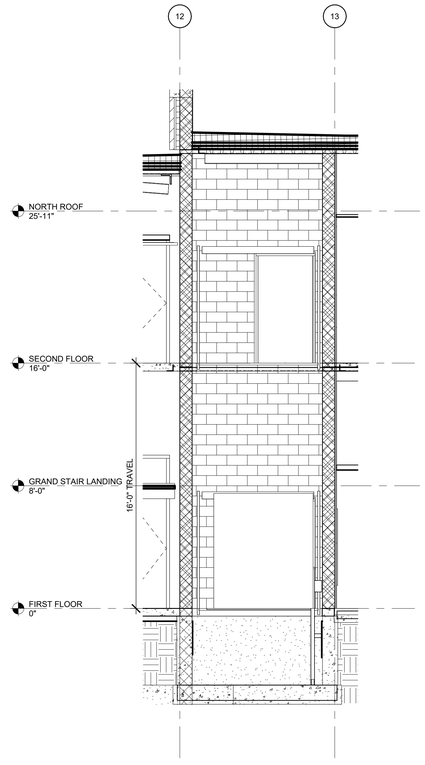


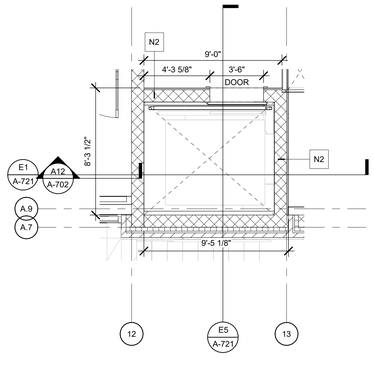
ELEVATOR PIT E10
1/2" = 1'-0"



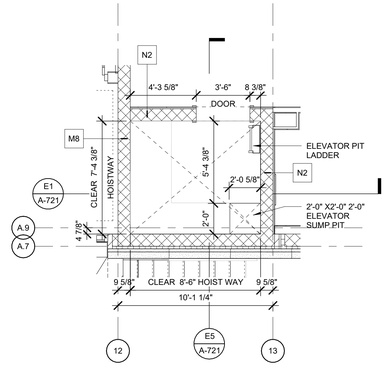
ELEVATOR SECTION E5
1/4" = 1'-0"



SECTION THROUGH ELEVATOR E1
1/4" = 1'-0"



2ND FL ELEVATOR PLAN A5
1/4" = 1'-0"



ENLARGED ELEVATOR PLAN A1
1/4" = 1'-0"

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REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
ELEVATOR PLAN, SECTIONS AND DETAILS
SHEET NUMBER:
A-721

BID SET

DRAWN BY: JF/JNV
CHECKED BY: Author
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FINISH LEGEND

SYMBOL	MATERIAL TYPE	MANUFACTURER	PATTERN	COLOR	NOTES
ACT-1	ACOUSTICAL CEILING TILE 24" X 24" LAY-IN	ARMSTRONG	FINE FISSURED 1754	WHITE	GRID: PRELUDE XL 15/16"
ACT-2	ACOUSTICAL CEILING TILE 24" X 48" LAY-IN	ARMSTRONG	FINE FISSURED 1755	WHITE	GRID: PRELUDE XL 15/16"
ACT-3	ACOUSTICAL CEILING TILE 24" X 48" LAY-IN	ARMSTRONG	KITCHEN ZONE	WHITE	KITCHEN ONLY. GRID: PRELUDE XL 15/16"
WD-1	WOOD GRID	ARMSTRONG	WOODWORKS GRILLE -FORTE	VERTICAL GRAIN FIR (NVF)	LOBBY CEILING AND WALL
AP-1	ACOUSTICAL WALL PANEL	TECTUM	DIRECT-ATTACH WALLS	PANTONE PMS 282 BLUE, SHERWIN WILLIAMS- SW 6817-GENTIAN ,SHERWIN WILLIAMS- SW 6815-AWESOME VIOLET	LOBBY. SIZING VARIES. SEE DRAWINGS
CONC	CONCRETE	XXX	XXX	XXX	XXX
CPT-1	CARPET TILE	INTERFACE	OPEN AIR 403 STRIA	103268 LINEN	ADMIN SPACE, CONFERENCE ROOM
EP-1	EPOXY FLOOR	SHERWIN WILLIAMS	HYBRI-FLEX EC	MOON	RESTROOM FLOOR
EPB-1	EPOXY WALL BASE	SHERWIN WILLIAMS	HYBRI-FLEX EC	MOON	RESTROOM WALLBASE
FRP-1	FIBERGLASS REINFORCED PLASTIC (FRP)	MARLITE	SMOOTH FRP 7'-2" HIGH	S 100 WHITE	CORRIDOR, KITCHEN. PANELS TO BE LAID OUT VERTICALLY
LVT-1	LVT	INTERFACE	DRAWN LINES 4.5MM	A00908 SILVER	CLASSROOMS ,ASHLAR LAYOUT
PCONC	POLISHED CONCRETE	XXX	XXX	XXX	XXX
PL-1	PLASTIC LAMINATE	WILSONART	NATURAL CROWN	Y0285	RECEPTION DESK
PT-1	PAINT	SHERWIN WILLIAMS	WHITE	SW 7028 INCREDIBLE WHITE	FIELD PAINT - WALLS & CEILINGS
PT-2	PAINT	SHERWIN WILLIAMS	BLUE	PANTONE PMS 282 BLUE	ACCENT PAINT
PT-3	PAINT	SHERWIN WILLIAMS	DARK GREY	SW7061	TEACHING WALL PAINT
PT-4	PAINT	SHERWIN WILLIAMS	LIGHT GREY	SW7057	DUCTWOR @ GYM
PT-5	PAINT	SHERWIN WILLIAMS	DARK BRONZE	SW7048	HOLLOW METAL FRAMES
PT-6	PAINT	SHERWIN WILLIAMS	OFF WHITE	SW 6070	STEEL RAILING FABRICATIONS
RF-1	RUBBER FLOORING	JOHNSONITE-TARKETT	REPLAY	BLACK	FITNESS CENTER FLOOR
RF-2	RUUBER STAIR TREADS	JOHNSONITE	RTR-SQ & VIRTR-SQ	TBD	STAIRS (ST-1 & ST-2)
SS-1	SOLID SURFACE - QUARTZ	CAESARSTONE	-	5116 Calacatta Nectar	RECEPTION DESK
SS-2	SOLID SURFACE - QUARTZ	CAESARSTONE	-	5151 Empira White	SCHOOL STORE
TL-1	PORCELAIN TILE 12 X24	DALTILE	VOLUME 1.0	SONIC WHITE	RESTROOM WALL TILE
TL-2	PORCELAIN TILE 12X 24	DALTILE	VOLUME 1.0	WATERFALL	RESTROOM WALL TILE ACCENT COLOR
WB-1	RUBBER WALLBASE	ALLSTATE FLOORING	COVEBASE WALL BASE- 4IN	A63	OVERALL WALL BASE
WB-2	RUBBER WALLBASE	ALLSTATE FLOORING	COVEBASE WALL BASE 4IN	A15	LOBBY WALL BASE
WB-3	RUBBER WALLBASE	TARKETT	JOHNSONITE VENT COVE BASE	47 BROWN	GYMNASIUM
WC-1	WALL COVERING	KOROSEAL	CUSTOM	WARE	ADMIN SPACE
WF-1	WOOD FLOORING	CONNOR SPORTS	ALLIANCE	MAPLE FLOORING	GYMNASIUM
WS-1	WINDOW SHADES	MECHO	MECHO/5 SINGLE SHADE	MFR COLORS FOR SOLAR AND BLACK-OUT SHADE TO BE SELECTED	SIZE TO CHECK WINDOW ELEVATION
WS-2	WINDOW SHADES	MECHO	MECHO/5 DOUBLE SHADE	BLACK-OUT	SCIENCE RM. SIZE TO CHECK WINDOW ELEVATION

CUSTOM PROVIDE

ROOM FINISH SCHEDULE

NUMBER	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
FIRST FLOOR						
100	LOBBY	PCONC	WB-2	WD-1 / AP-1 / PT-1	WD-1 / GYP	
100A	EAST VEST.	WOM	WB-1	PT-1	GYP	
100B	SECURITY VEST	WOM	WB-1	PT-1 / PT-2	GYP	
100C	GREETER BOOTH	CONC	WB-1	PT-1 / PT-2	GYP	
101	SCHOOL STORE	PCONC	WB-1	FRP-1 / PT-1 / PT-2	ACT-2 / GYP	
102	WBL #2	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
103	WBL #1	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
104	WOMEN T.	EP-1	EPB-1	TL-1 / TL-2	GYP	
105	TEACHING KITCHEN #3	PCONC	WB-1	FRP-1 / PT-1 / PT-2	ACT-2	
106	CORRIDOR	PCONC	WB-1	PT-1	ACT-2	
106A	DRY STOR.	CONC	-	PT-1	OTS	
106B	MEN'S LOCKER RM	PCONC	WB-1	PT-1	GYP	
106C	WOMEN'S LOCKER RM	PCONC	WB-1	PT-1	GYP	
107	A.G.T	EP-1	EPB-1	TL-1 / TL-2	GYP	
108	LAUNDRY	EP-1	EPB-1	PT-1	GYP	
109	CLASSROOM	LVT-1	WB-1	PT-1 / PT-2 / PT-3	ACT-2	
110	MULTI-PURPOSE/ CLASSROOM	CPT-2	WB-2	PT-1 / PT-2	WD-1 / GYP	
111	WATER SERVICE RM.	CONC	-	PT-1	ACT-2	
112	ELEC. DEMARC RM.	CONC	-	PT-1	OTS	
113	TEACHING KITCHEN #1	PCONC	WB-1	FRP-1 / PT-1	ACT-2	
113A	OFFICE	CPT-1	WB-1	PT-1	ACT-2	
113B	DRY STORAGE	CONC	-	PT-1	OTS	
114	WOMEN'S LOCKER RM	PCONC	WB-1	PT-1	GYP	
115	MEN'S LOCKER RM	PCONC	WB-1	PT-1	GYP	
116	CORRIDOR	PCONC	WB-1	PT-1	GYP	
117	WOMEN T	EP-1	EPB-1	TL-1 / TL-2	GYP	
118	MEN T	EP-1	EPB-1	TL-1 / TL-2	GYP	
119	PRODUCTION KITCHEN #2	PCONC	WB-1	FRP-1 / PT-1	ACT-2	
119A	DRY STORAGE	CONC	-	PT-1	OTS	
119B	STOR	CONC	-	PT-1	ACT-1	
119C	SERVER RM	CONC	-	PT-1	ACT-1	
119D	BREAKFAST/LUNCH SERVICE	PCONC	RB-1	PT-1	GYP	
120	MECH. RM	CONC	-	PT-1	OTS	
121	DINING RM	PCONC	WB-1	PT-1 / PT-2	GYP / WD-1	
121A	DINING ROOM STORAGE	CONC	-	PT-1	OTS	
122	TOILET	EP-1	EPB-1	TL-1 / TL-2	GYP	
123	TOILET	EP-1	EPB-1	TL-1 / TL-2	GYP	
124	COPY RM	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
125	FACULTY LOUNGE	CPT-1	WB-1	PT-1	ACT-2	
126	ADMIN	CPT-1	WB-1	PT-1 / WC-1	ACT-2	
127	CONF. RM	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
128	PRINCIPAL OFFICE	CPT-1	WB-1	PT-1	ACT-2	
129	CORRIDOR	CPT-1	RB-1	PT-1	ACT-2	
130	VESTIBULE	PCONC	WB-1	PT-1	GYP	
132	WOMEN'S LOCKER RM	EP-1	EPB-1	TL-1 / TL-2	GYP	
133	MEN'S LOCKER RM	EP-1	EPB-1	TL-1 / TL-2	GYP	
134	MECH. RM	CONC	-	PT-1	OTS	
135	GYMNASIUM	WSF	WB-1	WP 7'-4"/ PT-1	OTS	
135A	STORAGE	CONC	-	PT-1	OTS	
136	CORRIDOR	PCONC	WB-1	FRP-1 / PT-1/ PT-2	ACT-2	
136A	CUSTODIAN OFFICE	PCONC	WB-1	PT-1	ACT-2	
136B	J. CL	CONC	-	FRP-1	GYP	
137	CORRIDOR	PCONC	WB-1	FRP-1 H 7'-2" / PT-1/ PT-2	ACT-2	
ST-1	STAIR	RT-2	WB-1	PT-1	GYP	
ST-2	STAIR	RT-2	WB-1	PT-1	GYP	
SECOND FLOOR						
200	CORRIDOR	PCONC	WB-2	AP -1 / WD-1	WD-1 / GYP	
201	ELA CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
202	SOCIAL STUDIES CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
203	SPANISH CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
204	MATH CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
205	CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
206	8TH GRADE CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
207	GROUP CLASSROOM	LVT-1	WB-2	FRP-1 / PT-1/ PT-2	ACT-2	
208	ELA CLASSROOM	LVT-1	WB-1	PT-1 / PT-2 / PT-3	ACT-2	
209	CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
210	CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
211	CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
212	CLASSROOM	LVT-1	WB-2	FRP-1 / PT-1/ PT-2	ACT-2	
213	CLASSROOM	LVT-1	WB-2	PT-1 / PT-2 / PT-3	ACT-2	
215	A.G.T.	EP-1	EPB-1	TL-1 / TL-2	GYP	
216	FAC. M.T	EP-1	EPB-1	TL-1 / TL-2	GYP	
217	MEN T.	EP-1	EPB-1	TL-1 / TL-2	GYP	
218	WOMEN T.	EP-1	EPB-1	TL-1 / TL-2	GYP	
219	CORRIDOR	PCONC	WB-1	FRP-1 / PT-1/ PT-2	ACT-2	
220	CORRIDOR	PCONC	WB-1	FRP-1 / PT-1/ PT-2	ACT-2	
220A	MECH. CL	CONC	-	PT-1	OTS	
220B	SERVER RM	CONC	-	PT -1	ACT-2	
221	FAC.W. T	EP-1	EPB-1	TL-1 / TL-2	GYP	
222	CHEMISTRY	LVT-1	WB-1	PT-1 / PT-2 / PT-3	ACT-2	
223	EARTH SCIENCE	LVT-1	WB-1	PT-1 / PT-2	ACT-2	
223A	PREP ROOM	LVT-1	WB-1	PT-1	ACT-2	
224	GUIDANCE	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
225	GUIDANCE	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
226	CONF. RM	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
227	COPY RM	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
228	CONF. RM	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
229	CONF. RM	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
230	ASSISTANT PRINCIPAL	CPT-1	WB-1	PT-1 / PT-2	ACT-2	
230A	CL	CPT-1	WB-1	PT-1	GYP	
231	CORRIDOR	PCONC	WB-1	FRP-1 / PT-1/ PT-2	ACT-2	
232	CORRIDOR	PCONC	WB-1	FRP-1 H 7'-2" / PT-1/ PT-2	ACT-2	
232A	J.C.	EP-1	EPB-1	PT-1	GYP	
233	CORRIDOR	PCONC	WB-1	FRP-1 H 7'-2" / PT-1/ PT-2	ACT-2	
234	ELEVATOR VESTIBULE	PCONC	WB-1	PT-1	GYP	
235	FITNESS CENTER	RB-1	WB-1	PT-1 / PT-2	OTS	
235A	OFFICE	CPT-1	RB-1	PT-1	ACT-2	

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REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
INTERIOR FINISH SCHEDULES

SHEET NUMBER:
A-801

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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CONC - CONCRETE FLOOR

EP-1 - EPOXY FLOOR

CPT - CARPET

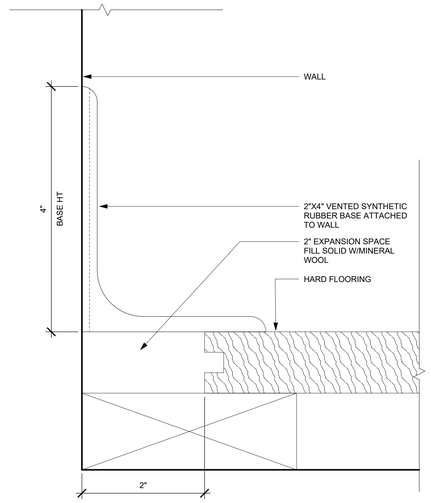
LVT - LUXURY VINYL TILE

WOM - WALK OF MAT

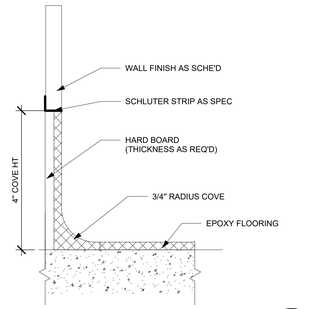
RF - RUBBER FLOOR (STAIR AND STAIR TREAD)

WD - WOOD FLOOR (GYM ONLY)

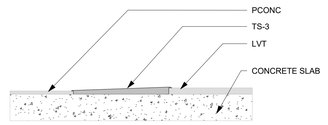
TRANSITION STRIPS	
TS-1	CONC TO CPT
TS-2	CONC TO EP
TS-3	CONC TO LVT
TS-4	CONC TO WD
TS-5	CONC TO RF
TS-6	RF TO CPT



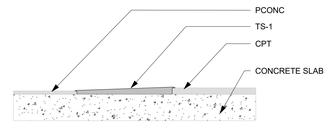
TYP WOOD FLOOR WALL BASE DETAIL K11
12" = 1'-0"



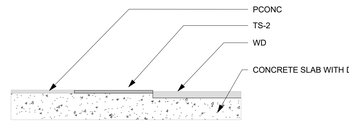
TYP EPOXY WALL BASE DETAILS L7
12" = 1'-0"



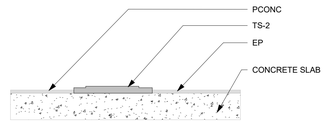
TS-3 PCONC TO LVT N4
3" = 1'-0"



TS-1 PCONC TO CPT N1
3" = 1'-0"

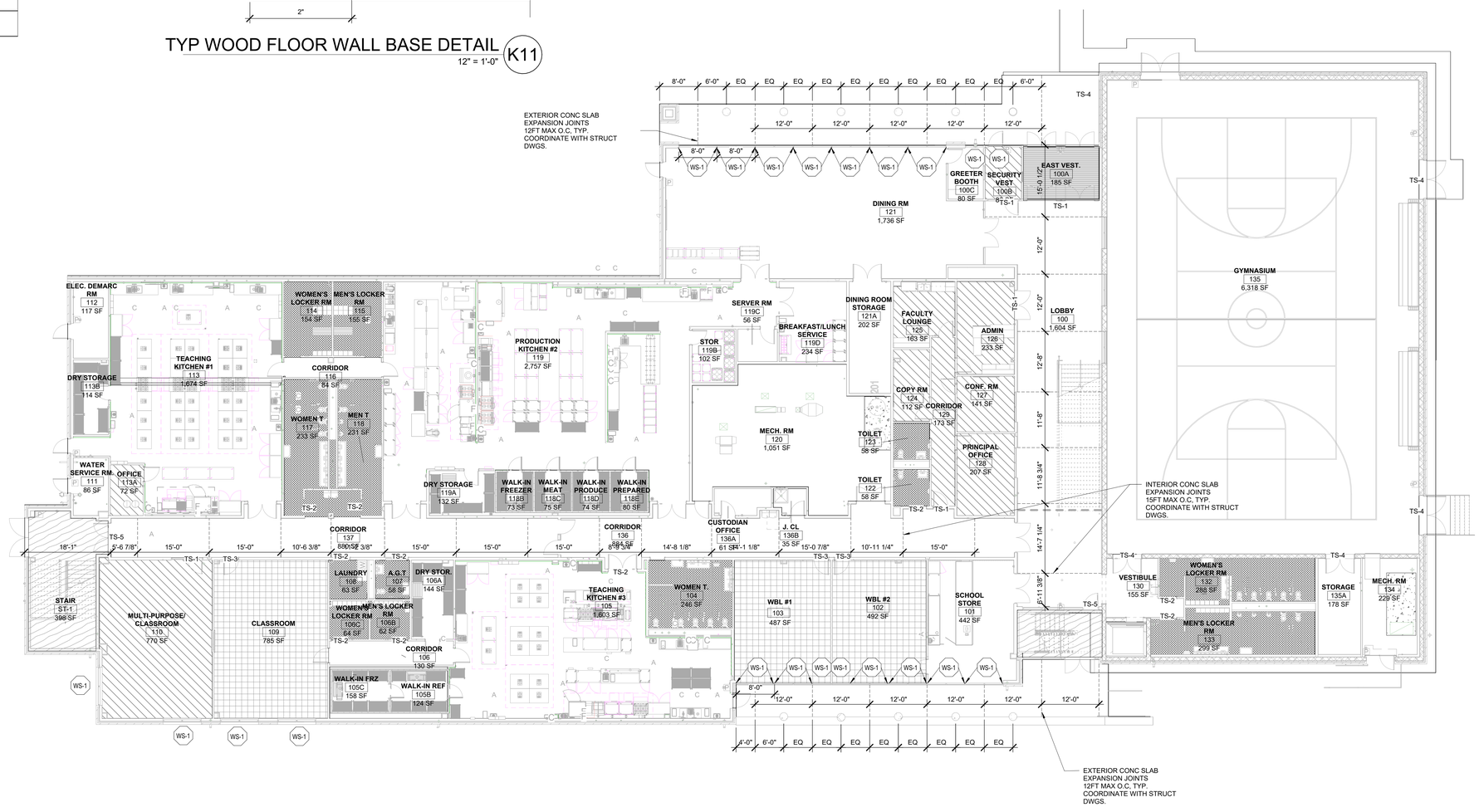


TS-4 PCONC TO WD L4
3" = 1'-0"



TS-2 PCONC TO EP L1
3" = 1'-0"

EXTERIOR CONC SLAB EXPANSION JOINTS 12FT MAX O.C. TYP. COORDINATE WITH STRUCT DWGS.



FIRST FLOOR FINISH PLAN A1
3/32" = 1'-0"

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REGISTERED ARCHITECT ARMAND SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
INTERIOR FINISH PLAN- FIRST FLOOR

SHEET NUMBER:

A-811

BID SET

DRAWER: Author
Current Revit Model
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PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

CONC - CONCRETE FLOOR

EP-1 - EPOXY FLOOR

CPT - CARPET

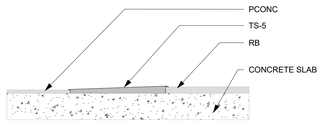
LVT - LUXURY VINYL TILE

WOM - WALK OF MAT

RF-1 - RUBBER FLOOR (FITNESS CENTER)

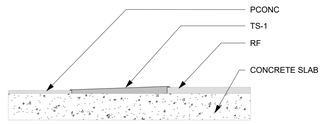
RF-2 - RUBBER FLOOR (STAIR AND STAIR TREAD)

TRANSITION STRIPS	
TS-1	CONC TO CPT
TS-2	CONC TO EP
TS-3	CONC TO LVT
TS-4	CONC TO WD
TS-5	CONC TO RF
TS-6	RF TO CPT



TS-5 PCONC TO RB J16

3" = 1'-0"



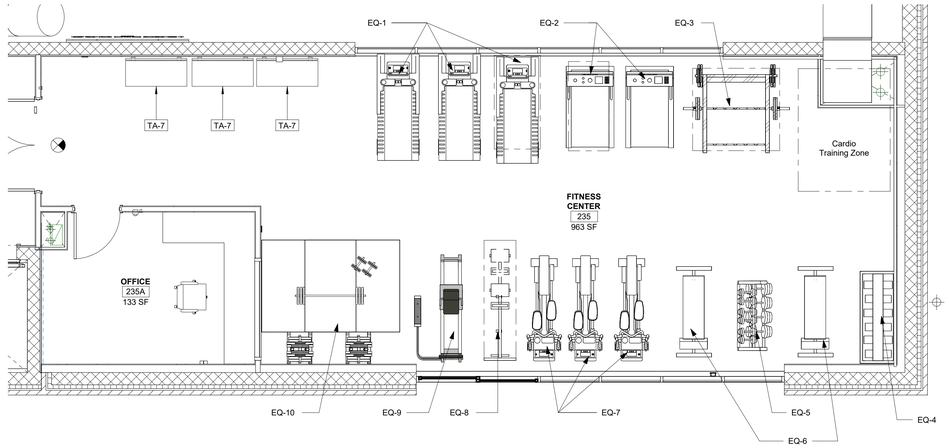
TS-6 RF TO CPT G16

3" = 1'-0"

EQUIPMENT LIST (N.I.C)

SYMBOL	ITEM	MANUFACTURER	QUANTITY
EQ-1	TREADMILL	NORDICTRACK-T 6.5 S	3
EQ-2	TREADMILL	ASSAULT FITNESS-ASSUALT RUNNER PRO	2
EQ-3	SQUAT RACK/SMITH MACHINE	RITFIT-M1 PRO MULTI FUNCTIONAL SMITH MACHINE WITH CABLE CROSSOVER AND SQUAT RACK	1
EQ-4	KETTLEBELL RACK	EXTREME TRAINING EQUIPMENT	1
EQ-5	DUMBBELL RACK	EXTREME TRAINING EQUIPMENT	1
EQ-6	ADJUSTABLE FLAT INCLINE BENCH ELITE	EXTREME TRAINING EQUIPMENT	2
EQ-7	ELLIPTICAL	SOLE - E25	3
EQ-8	AIR GO ROWING MACHINE	EXTREME TRAINING EQUIPMENT	1
EQ-9	SEATED LEG PRESS	EXTREME TRAINING EQUIPMENT	1
EQ-10	OLYMPIC LIFTING PLATFORM	EXTREME TRAINING EQUIPMENT	1

ALL FITNESS EQUIPMENT TO BE PURCHASED AND INSTALLED BY OWNER



FITNESS CENTER EQUIPMENT LAYOUT K1

1/4" = 1'-0"

SECOND FLOOR FINISH PLAN A1

3/32" = 1'-0"

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
INTERIOR FINISH PLAN-SECOND FLOOR

SHEET NUMBER:
A-812

BID SET

DRAWN BY: JH/NV
CHECKED BY: Armand Quadrini
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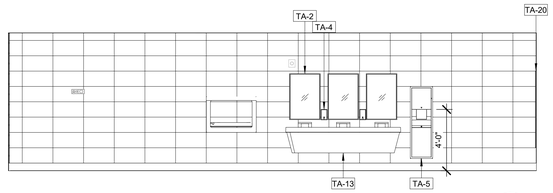
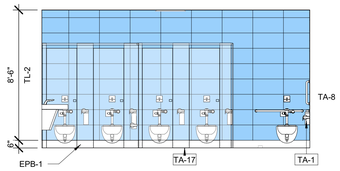
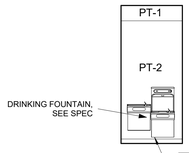


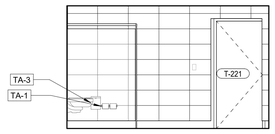
1ST FL. BOYS LKR. RM. WEST 1/4" = 1'-0" M5



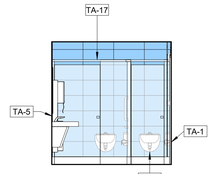
1ST FL. GIRLS REST. WEST 1/4" = 1'-0" M1



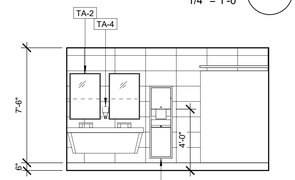
2ND FL DRINKING FOUNTAIN ELEVATION 1/4" = 1'-0" L12



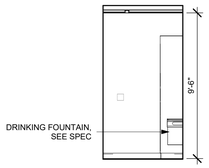
2ND FL. FAC WOMENS REST. EAST 1/4" = 1'-0" L8



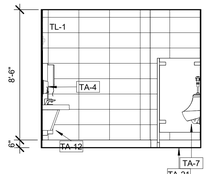
2ND FL. WOMENS REST NORTH 1/4" = 1'-0" L5



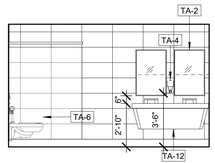
2ND FL WOMENS FAC. REST. WEST 1/4" = 1'-0" L1



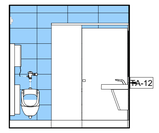
1ST FL DRINKING FOUNTAIN ELEVATION 1/4" = 1'-0" J14



2ND FL BOYS REST NORTH 1/4" = 1'-0" J11



2ND FL FAC MENS REST EAST 1/4" = 1'-0" J8



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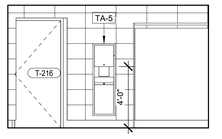
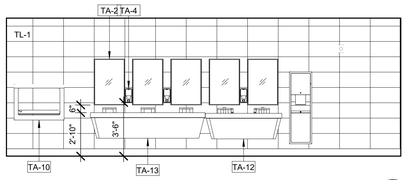


2ND FL FAC. MENS REST WEST 1/4" = 1'-0" J1



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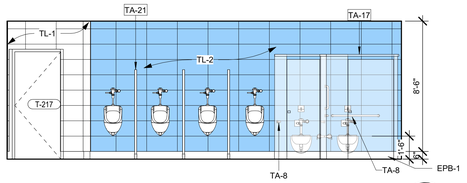
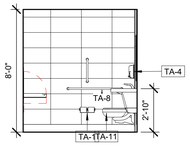
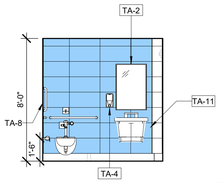


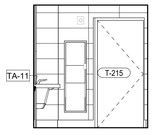
2ND FL BOYS REST EAST 1/4" = 1'-0" G11



2ND FL ALL GEN REST EAST 1/4" = 1'-0" G7



2ND FL ALL GEN REST. SOUTH 1/4" = 1'-0" G4



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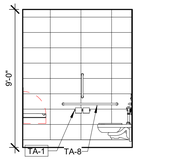
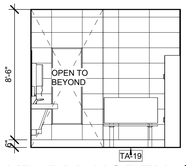


1ST FL. ALL GEN. REST. WEST 1/4" = 1'-0" E12



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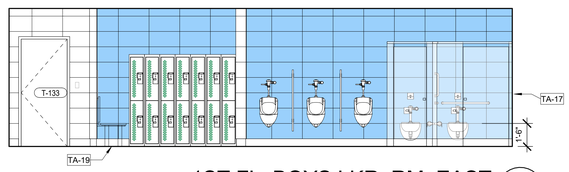

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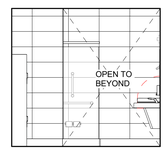

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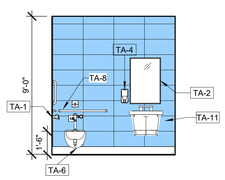
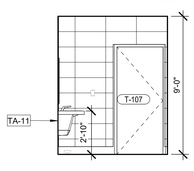


1ST FL. ALL GEN. REST. NORTH 1/4" = 1'-0" C14



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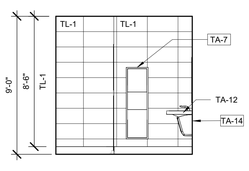

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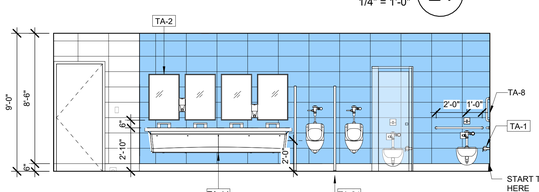

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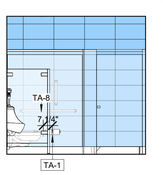
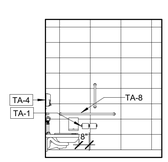


1ST FL. BOYS REST. EAST 1/4" = 1'-0" C1



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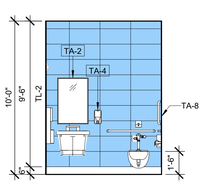

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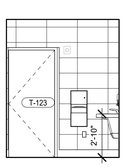
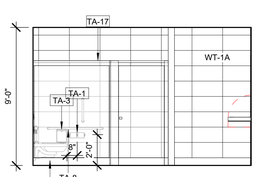
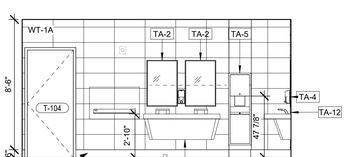


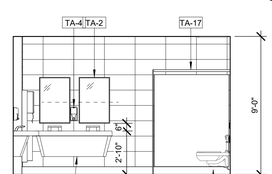
1ST FL. FAC. REST. SOUTH 1/4" = 1'-0" A10



1ST FL. GIRLS REST. NORTH 1/4" = 1'-0" A7



1ST FL. GIRLS REST. EAST 1/4" = 1'-0" A4



1ST FL. GIRLS REST. SOUTH 1/4" = 1'-0" A1

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REGISTERED ARCHITECT ARMANDO SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: INTERIOR ELEVATIONS
SHEET NUMBER: A-830

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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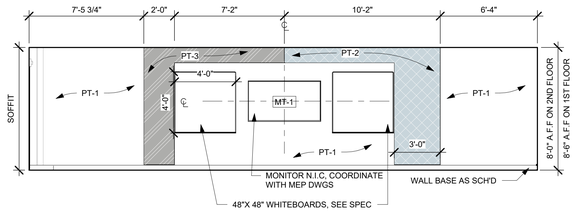
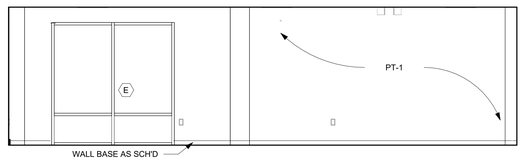
TYPICAL TEACHING WALL ELEVATION



TYPICAL CLASSROOM TEACHINNG WALL ELEVA L10
1/4" = 1'-0"



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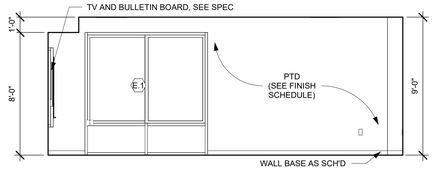
1/4" = 1'-0"



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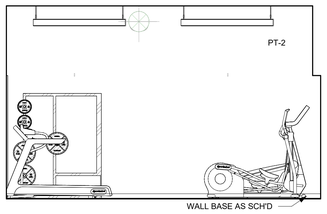
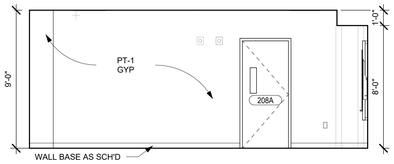
1/4" = 1'-0"



FITNESS CENTER SOUTH ELEVATION H14
1/4" = 1'-0"



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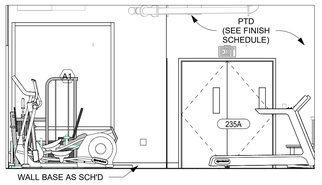
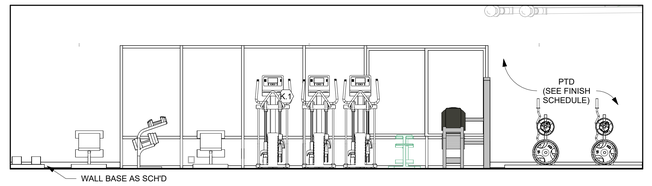
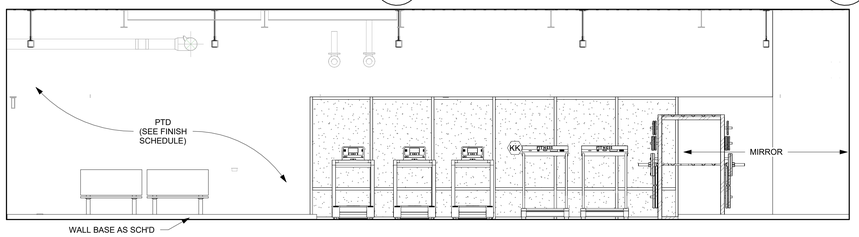
1/4" = 1'-0"



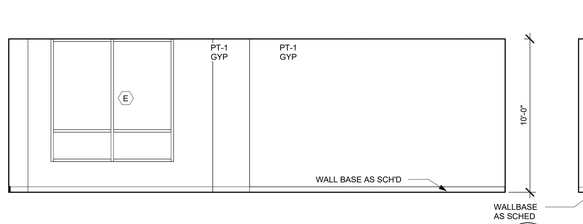
FITNESS CENTER NORTH ELEVATION H7
1/4" = 1'-0"



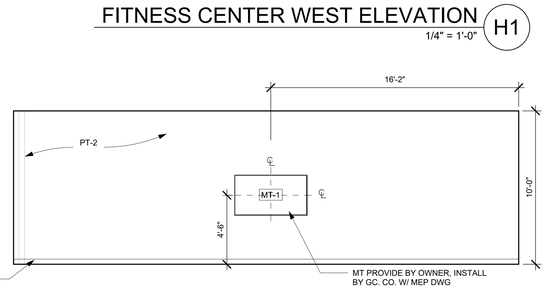
FITNESS CENTER WEST ELEVATION H1
1/4" = 1'-0"



FITNESS CENTER EAST ELEVATION F10
1/4" = 1'-0"



MULTI-PURPOSE RM NORTH ELEVATION F5
1/4" = 1'-0"



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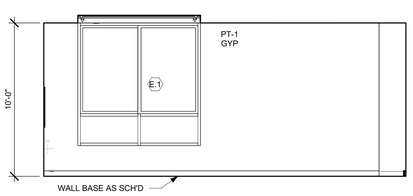
1/4" = 1'-0"



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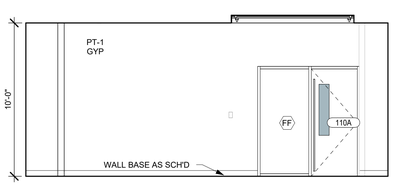

MULTI-PURPOSE ROOM EAST ELEVATION C10
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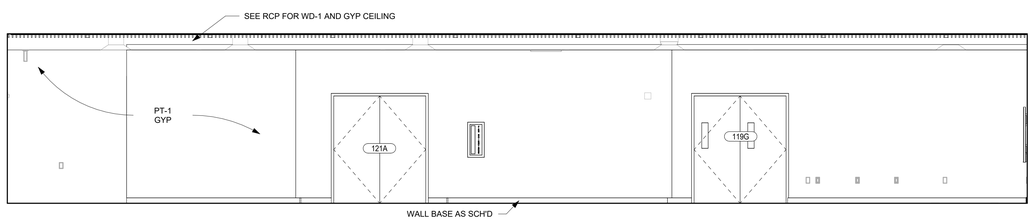
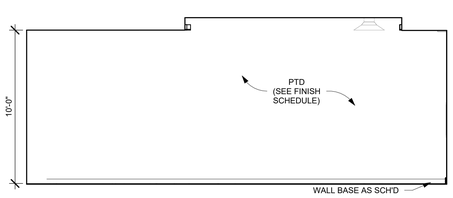
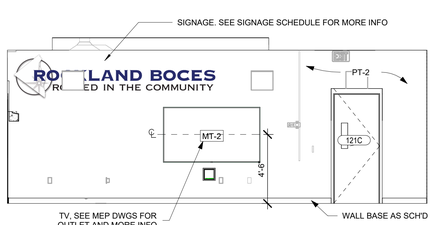


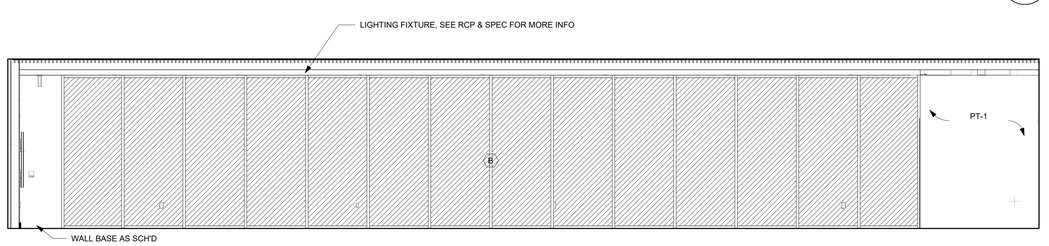
DINING ROOM WEST ELEVATION C1
1/4" = 1'-0"



DINING ROOM SOUTH ELEVATION A15
1/4" = 1'-0"



DINING ROOM NORTH ELEVATION A10
1/4" = 1'-0"



DINING ROOM EAST ELEVATION A1
1/4" = 1'-0"

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REGISTERED ARCHITECT
ARMAND SAMUEL QUADRINI
022313
STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES
P-TECH C-TEC
BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
INTERIOR ELEVATIONS

SHEET NUMBER:
A-831

BID SET

DRAWN BY: AJ/KH
CHECKED BY: AQ/MM
C:\Users\kohen\Documents\2333403.00 Rockland BOCES P-Tech C-Tech_R23_sea_kohenTF-23.rvt
7/3/2025 12:31:46 PM

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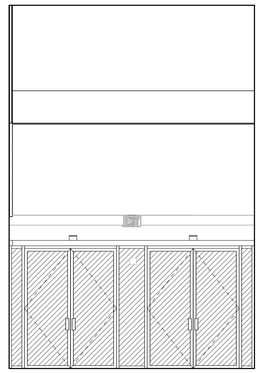
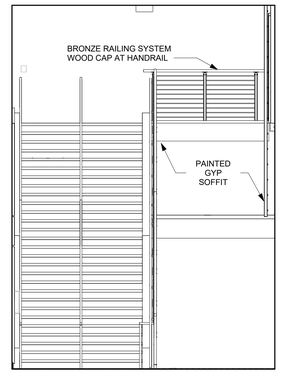
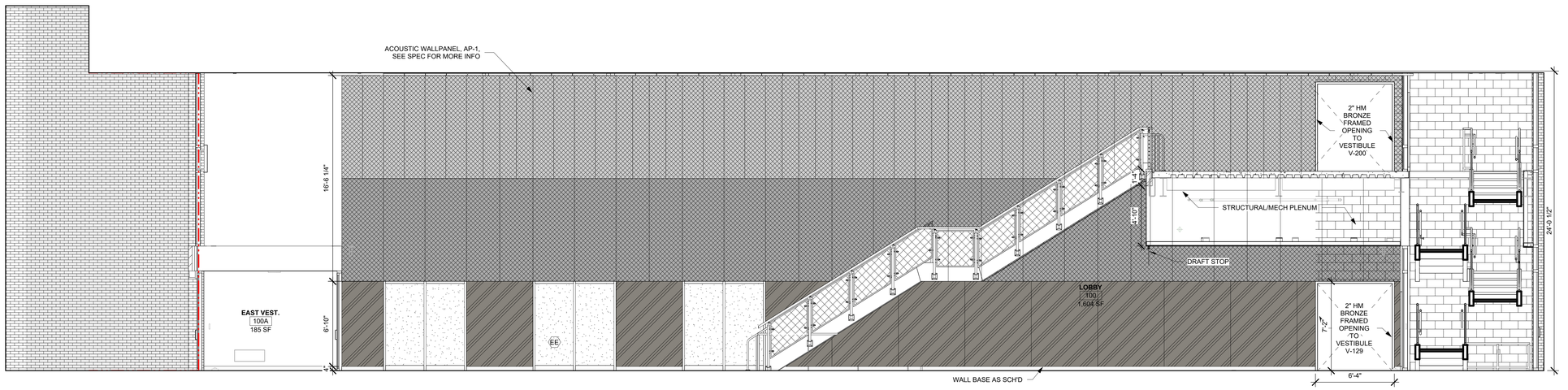


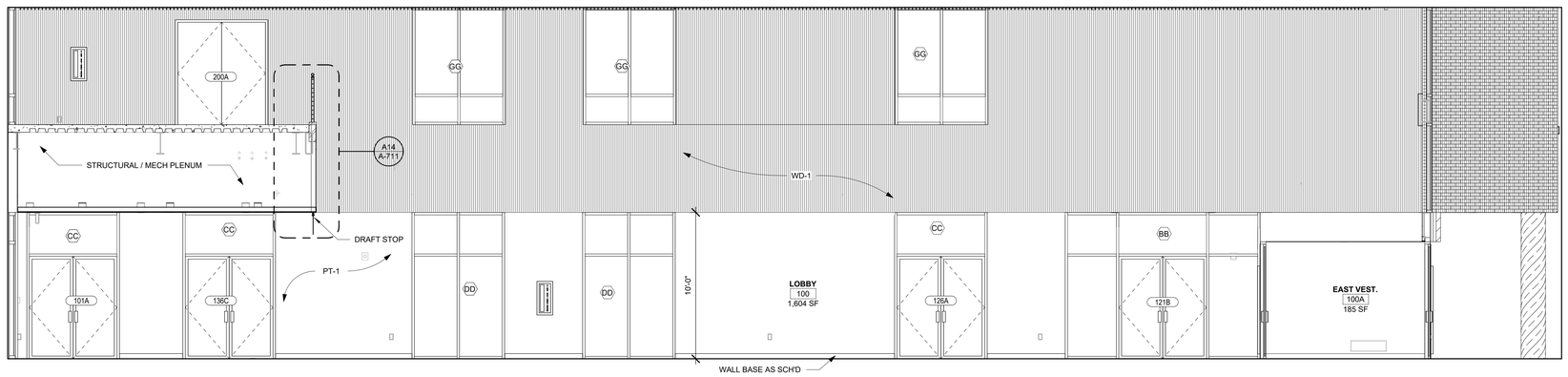
LOBBY EAST ELEVATION
1/4" = 1'-0"
A15



LOBBY WEST ELEVATION
1/4" = 1'-0"
K1



LOBBY SOUTH ELEVATION
1/4" = 1'-0"
E1



LOBBY NORTH ELEVATION
1/4" = 1'-0"
A1

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

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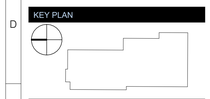
West Nyack, NY, 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
INTERIOR ELEVATIONS

SHEET NUMBER:
A-832

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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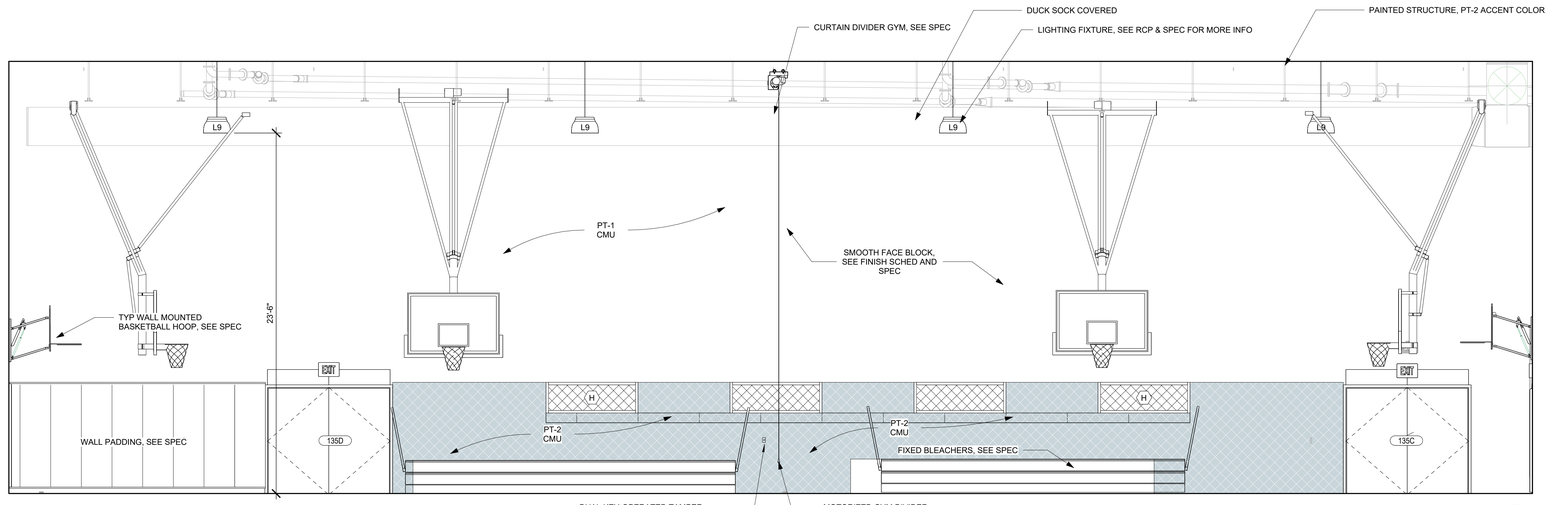
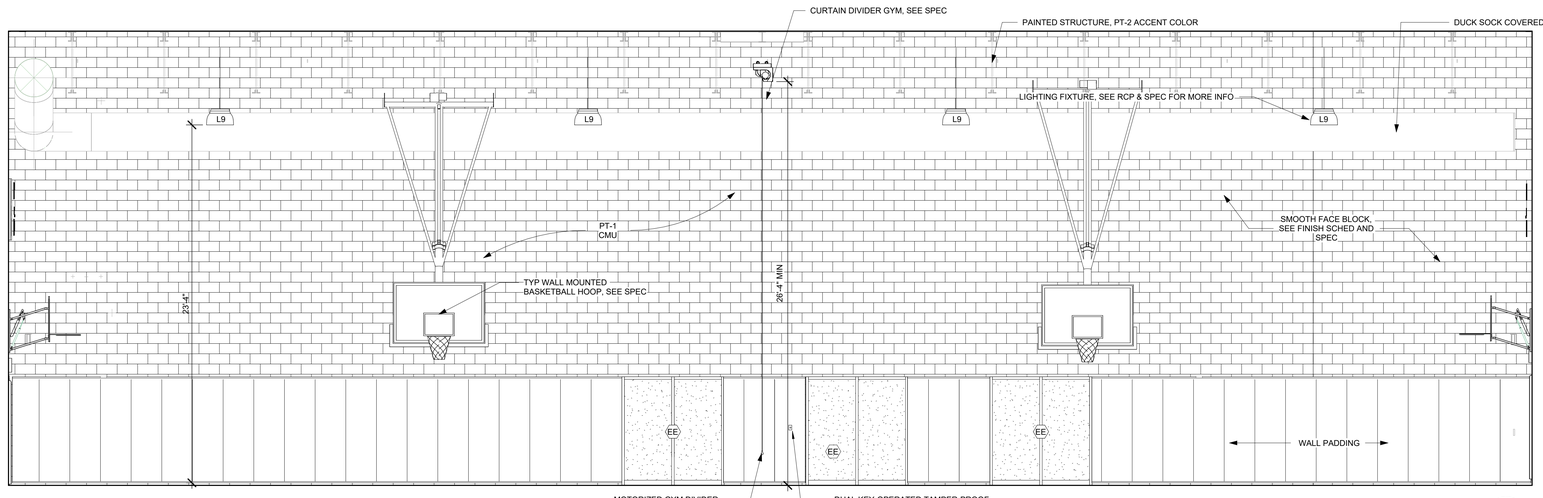


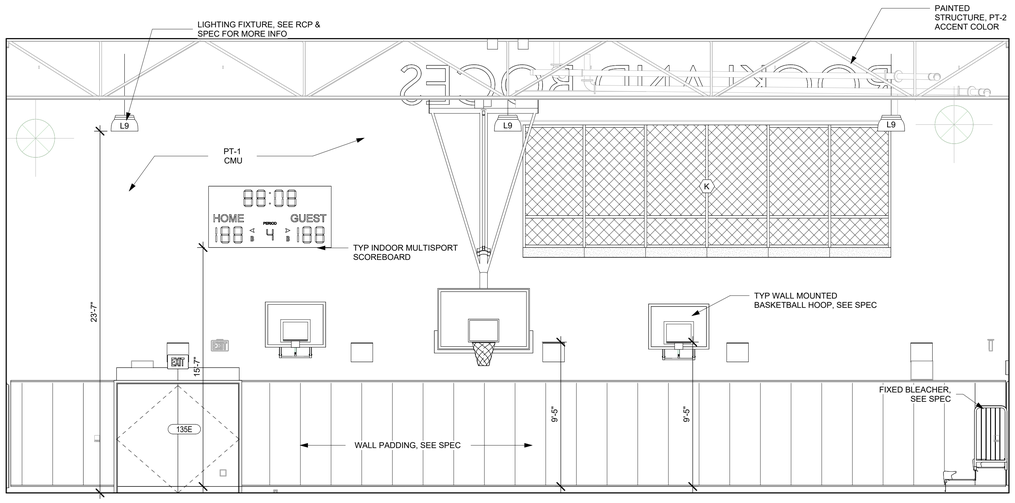
GYMNASIUM SOUTH ELEVATION K1

1/4" = 1'-0"



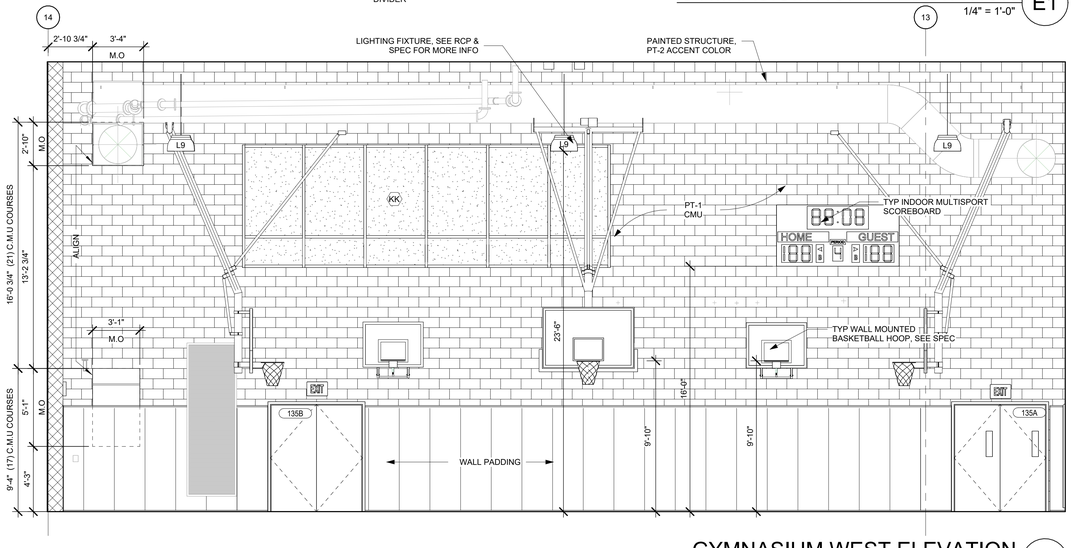
GYMNASIUM NORTH ELEVATION E1

1/4" = 1'-0"



GYMNASIUM EAST ELEVATION A10

1/4" = 1'-0"



GYMNASIUM WEST ELEVATION A1

1/4" = 1'-0"

ARCHITECT

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REGISTERED ARCHITECT
ARMANDO SAMUEL QUADRINI
022313
STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
INTERIOR ELEVATIONS

SHEET NUMBER:
A-833

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/NV
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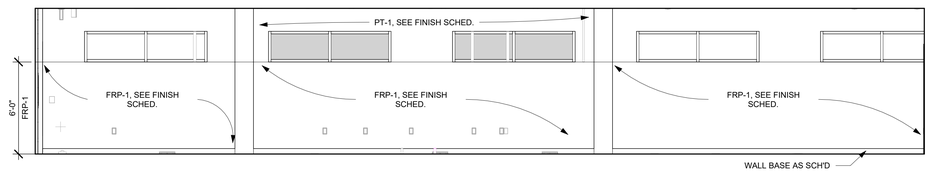
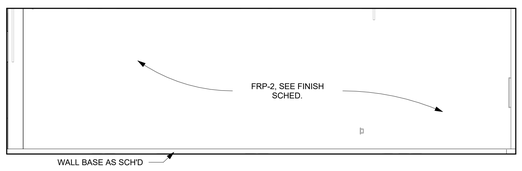
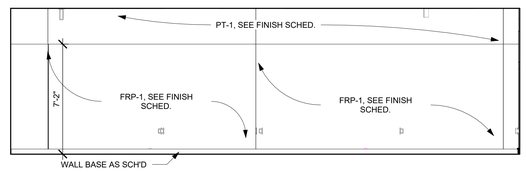


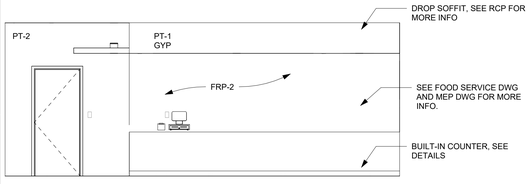
KITCHEN #3 WEST ELEVATION L10
1/4" = 1'-0"



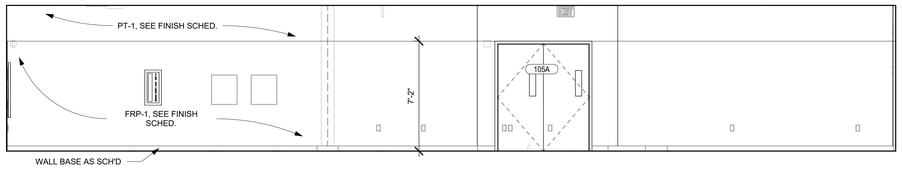
KITCHEN #3 NORTH ELEVATION L6
1/4" = 1'-0"



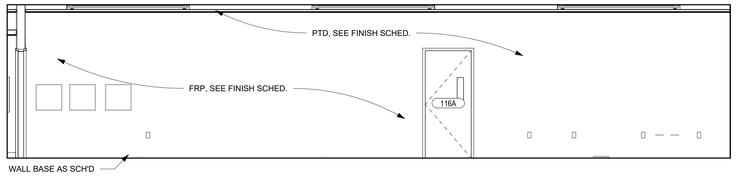
KITCHEN #3 SOUTH ELEVATION L1
1/4" = 1'-0"



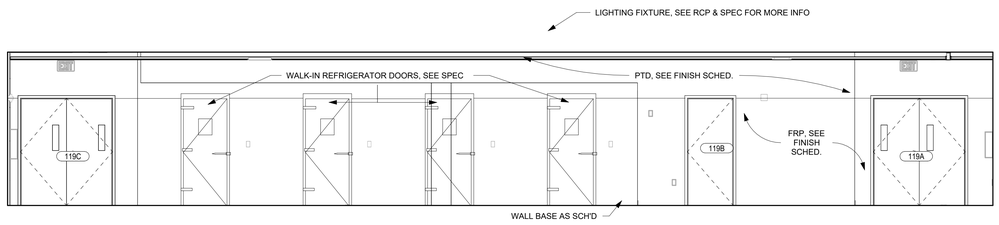
SCHOOL STORE NORTH ELEVATION J16
1/4" = 1'-0"



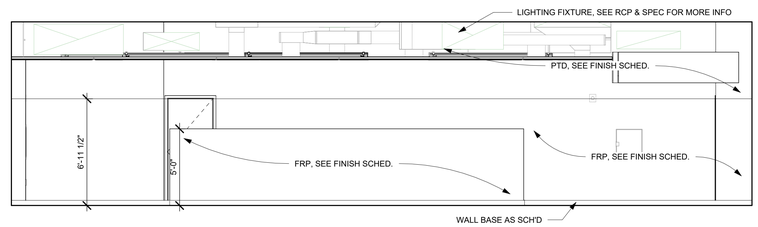
KITCHEN #3 EAST ELEVATION J8
1/4" = 1'-0"



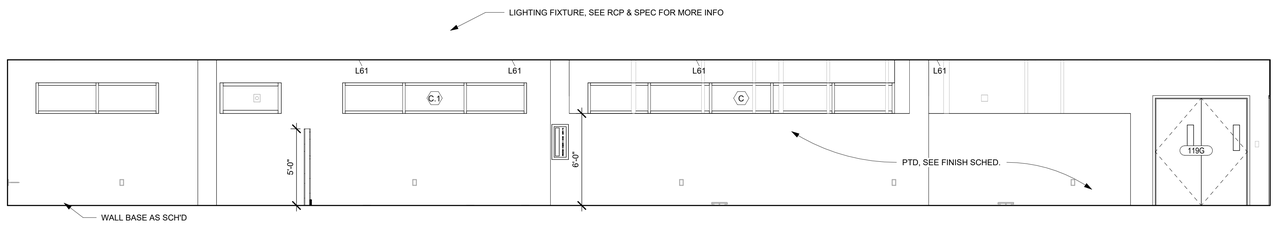
KITCHEN #2 NORTH ELEVATION J1
1/4" = 1'-0"



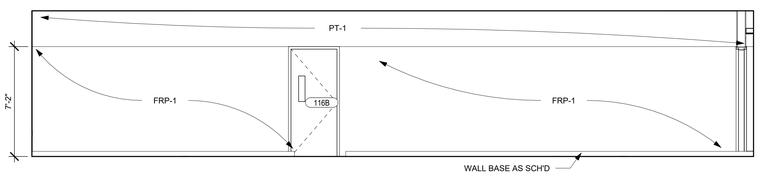
KITCHEN #2 WEST ELEVATION F8
1/4" = 1'-0"



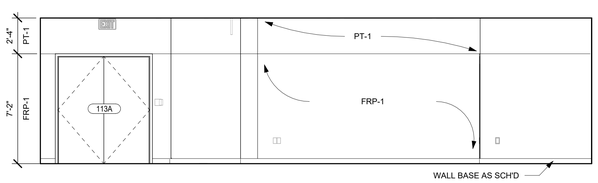
KITCHEN #2 SOUTH ELEVATION F1
1/4" = 1'-0"



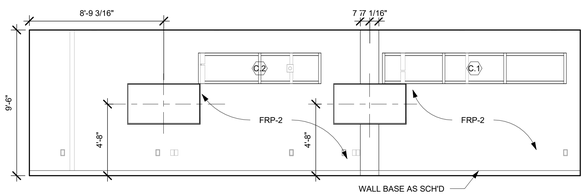
KITCHEN #2 EAST ELEVATION C8
1/4" = 1'-0"



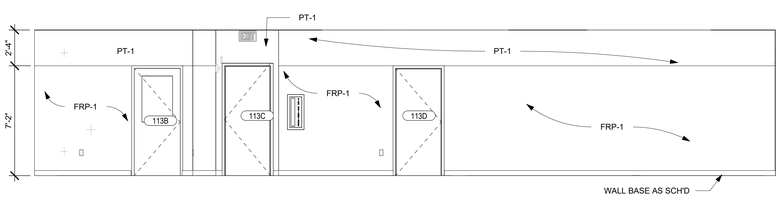
KITCHEN 1 SOUTH ELEV C1
1/4" = 1'-0"



KITCHEN #1 WEST ELEVATION A13
1/4" = 1'-0"



KITCHEN #1 EAST ELEVATION A8
1/4" = 1'-0"



KITCHEN #1 NORTH ELEVATION A1
1/4" = 1'-0"

ARCHITECT

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ARMANDO SAMUEL QUADRINI
022313
STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
INTERIOR ELEVATIONS

SHEET NUMBER:
A-834

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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7/3/2025 12:32:00 PM

PROJECT NUMBER: 2333403.01
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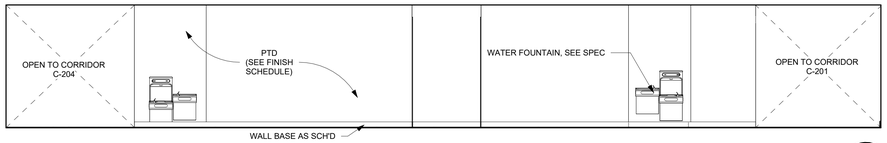
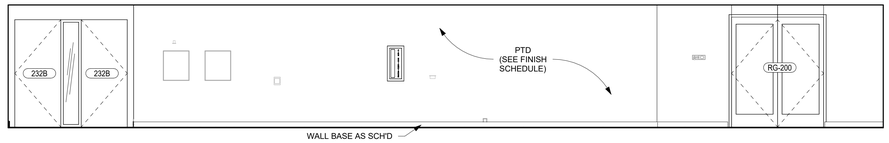


CORRIDOR 205 SOUTH ELEVATION M9
1/4" = 1'-0"



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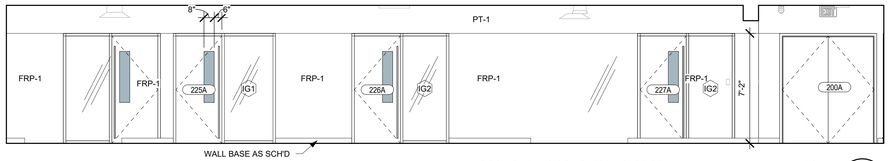

CORRIDOR 203 SOUTH ELEVATION K9
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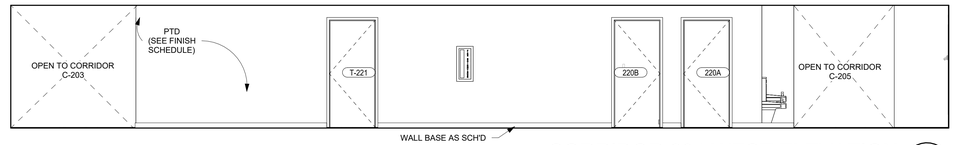

CORRIDOR 204 WEST ELEVATION K1
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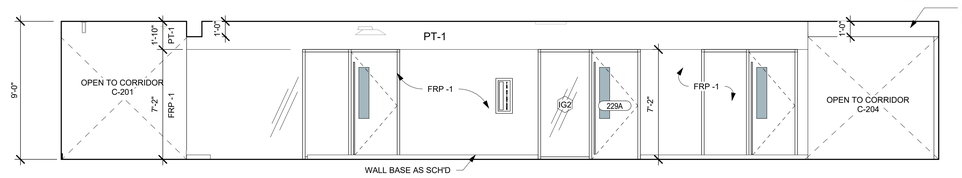
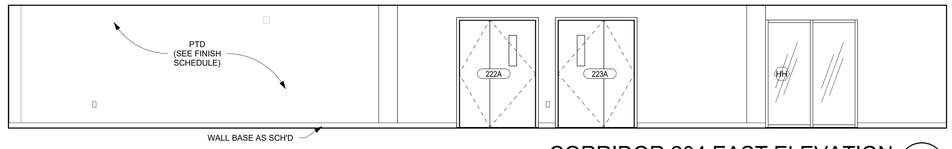


DROP SOFFIT, SEE
RCP FOR MORE INFO

CORRIDOR 203 NORTH ELEVATION H9
1/4" = 1'-0"



CORRIDOR 204 EAST ELEVATION H1
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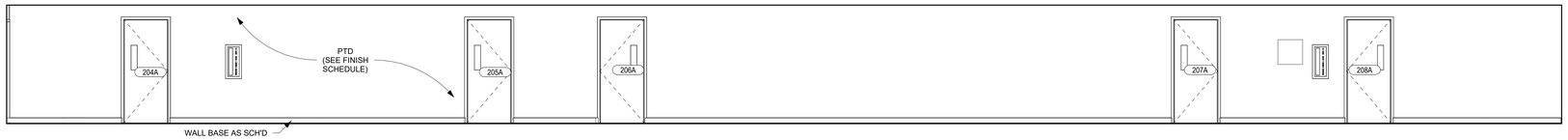

CORRIDOR 202 WEST ELEVATION F1
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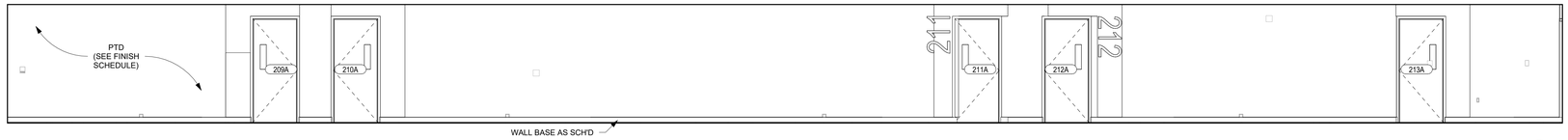
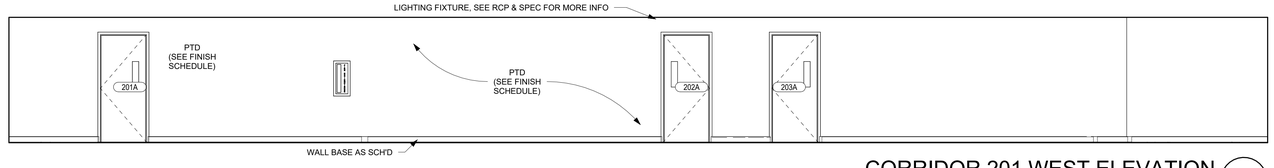


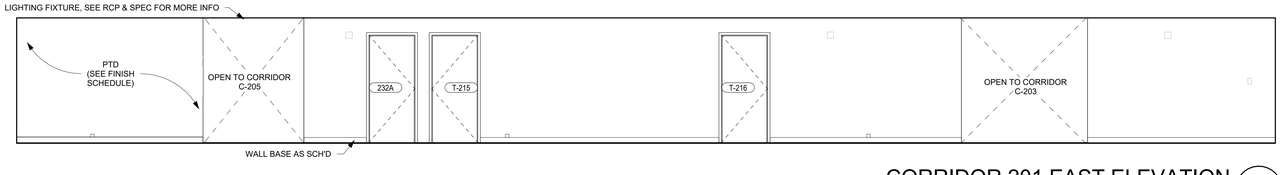
CORRIDOR 202 EAST ELEVATION D1
1/4" = 1'-0"

LIGHTING FIXTURE, SEE RCP & SPEC FOR MORE INFO



CORRIDOR 201 WEST ELEVATION C1
1/4" = 1'-0"

LIGHTING FIXTURE, SEE RCP & SPEC FOR MORE INFO



CORRIDOR 201 EAST ELEVATION A1
1/4" = 1'-0"

ARCHITECT

ksqdesign

KSQ Architects PC dba KSQ Design
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Structural Engineer

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Construction Manager:

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ARMAND SAMUEL QUADRINI
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
INTERIOR ELEVATIONS

SHEET NUMBER:
A-835

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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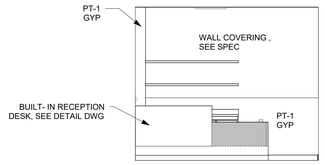
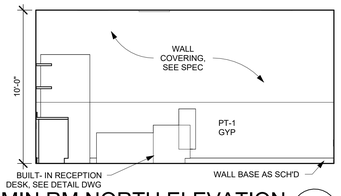


ADMIN WEST ELEVATION N15
1/4" = 1'-0"



ADMIN RM NORTH ELEVATION N12
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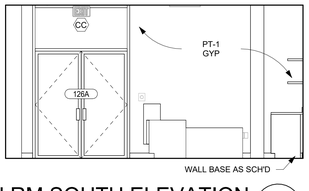

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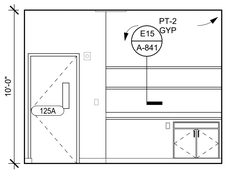

FACULTY LOUNGE WEST ELEVATION N4
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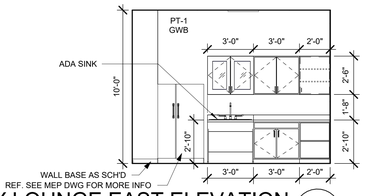
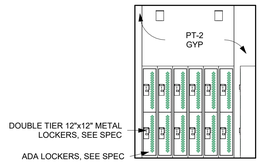
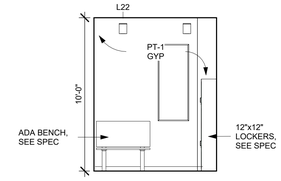


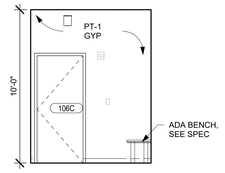
FACULTY LOUNGE EAST ELEVATION N1
1/4" = 1'-0"



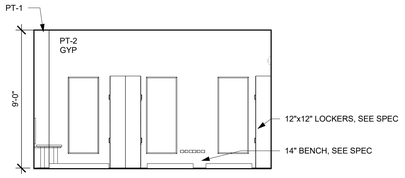
BOYS LKR. RM. EAST K12
1/4" = 1'-0"



BOYS LKR. RM. NORTH K10
1/4" = 1'-0"



BOYS LKR. RM. WEST K8
1/4" = 1'-0"



1ST FLOOR GIRLS LKR. RM SOUTH K4
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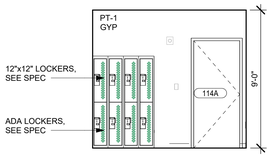
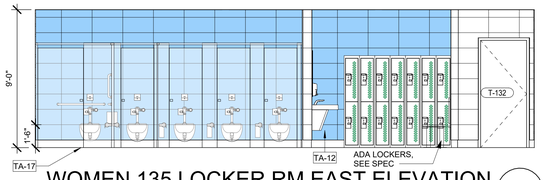
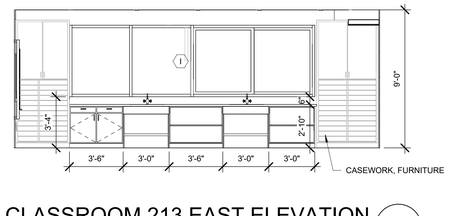


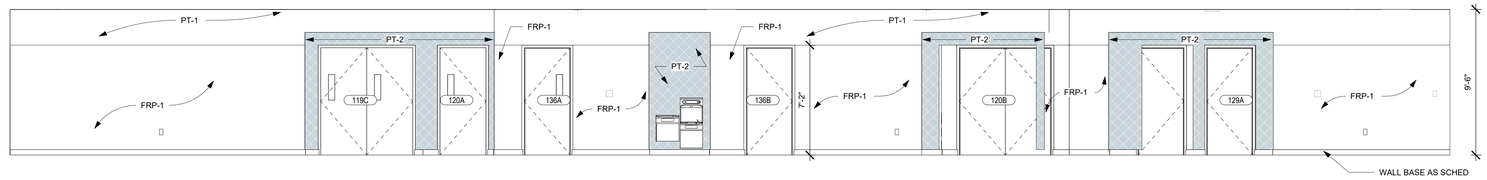
1ST FLOOR GIRLS LKR. RM. WEST K1
1/4" = 1'-0"



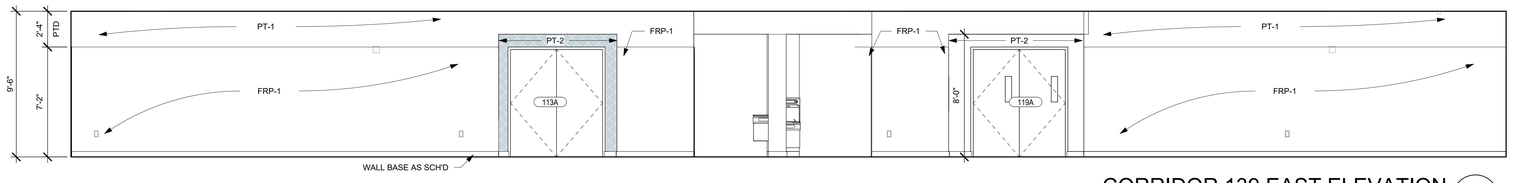
WOMEN 135 LOCKER RM EAST ELEVATION H4
1/4" = 1'-0"



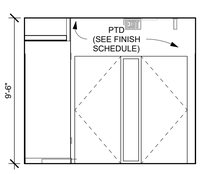
CLASSROOM 213 EAST ELEVATION H1
1/4" = 1'-0"



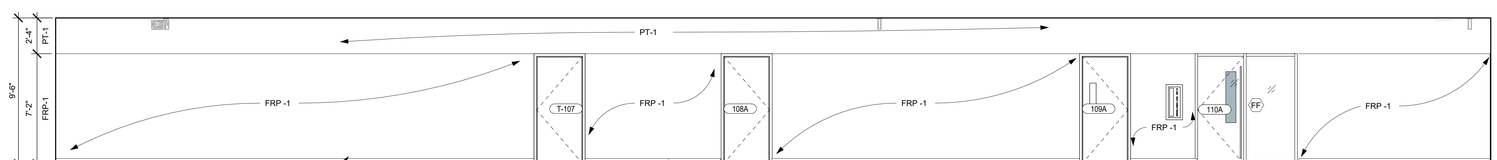
CORRDIOR EAST ELEVATION E1
1/4" = 1'-0"



CORRIDOR 139 EAST ELEVATION C1
1/4" = 1'-0"



CORRIDOR 139 SOUTH ELEVATION A13
1/4" = 1'-0"



CORRIDOR 139 WEST ELEVATION A1
1/4" = 1'-0"

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REGISTERED ARCHITECT
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023213
STATE OF NEW YORK
EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
INTERIOR ELEVATIONS

SHEET NUMBER:
A-836

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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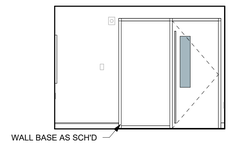
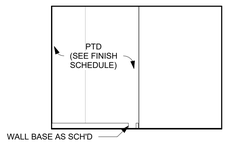
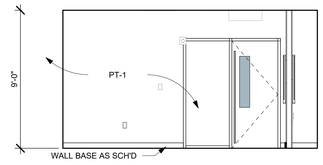


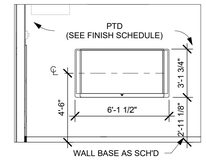
GUIDANCE OFF. NORTH ELEVATION G14
1/4" = 1'-0"



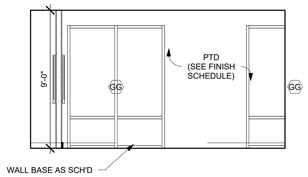
GUIDANCE OFF. SOUTH ELEVATION G11
1/4" = 1'-0"



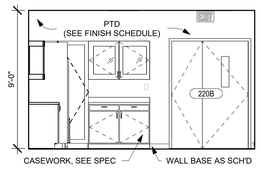
CONF. RM. NORTH ELEVATION G7
1/4" = 1'-0"



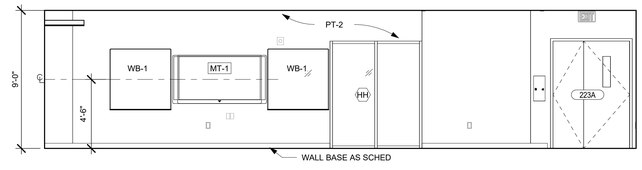
CONF. RM. EAST ELEVATION G4
1/4" = 1'-0"



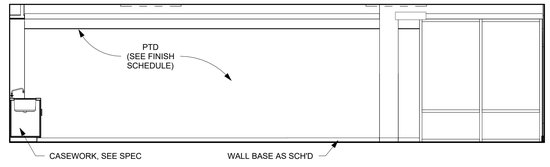
CONF. RM. SOUTH ELEVATION G1
1/4" = 1'-0"



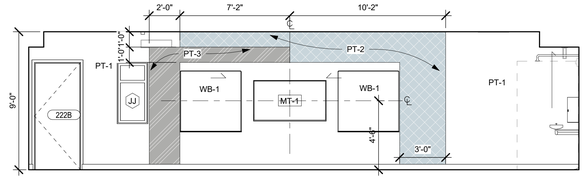
PREP RM. WEST ELEVATION D7
1/4" = 1'-0"



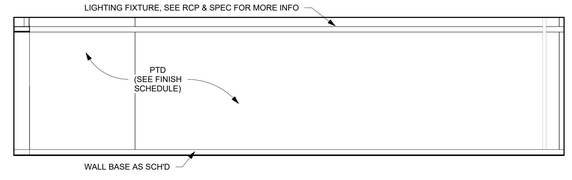
EARTH SCIENCE RM WEST ELEVATION D1
1/4" = 1'-0"



CHEMISTRY RM EAST ELEVATION A11
1/4" = 1'-0"



CHEMISTRY RM SOUTH ELEVATION A6
1/4" = 1'-0"



EARTH SCIENCE RM SOUTH ELEVATION A1
1/4" = 1'-0"

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STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
INTERIOR ELEVATIONS

SHEET NUMBER:
A-837

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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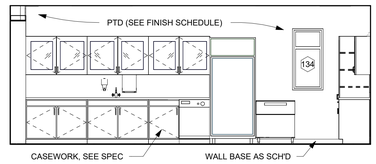
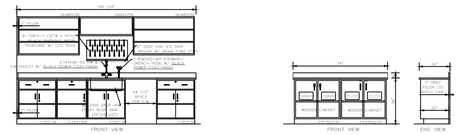
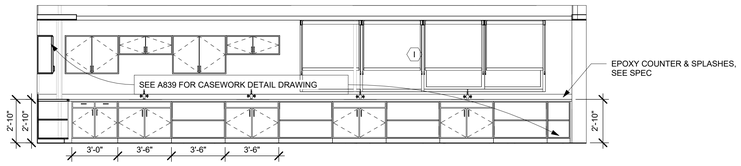


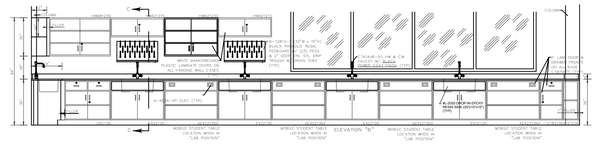
PREP RM. SOUTH ELEVATION 6
1/4" = 1'-0"



PREP RM. CASEWORK SOUTH ELEVATION K1
1/4" = 1'-0"



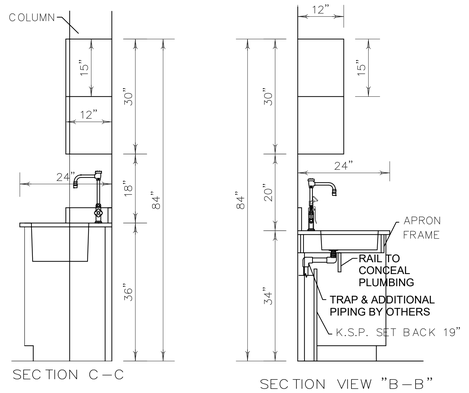
CHEMISTRY RM NORTH ELEVATION H7
1/4" = 1'-0"



CHEMISTRY CASEWORK NORTH ELEVATION H1
1/4" = 1'-0"

CHEMISTRY RM WEST ELEVATION F7
1/4" = 1'-0"

CHEMISTRY CASEWORK WEST ELEVATION F1
1/4" = 1'-0"



SECTION THRU CASEWORK F13
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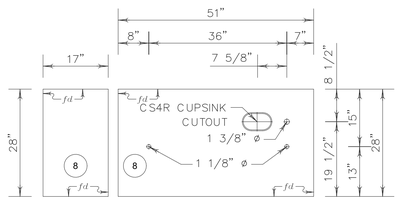

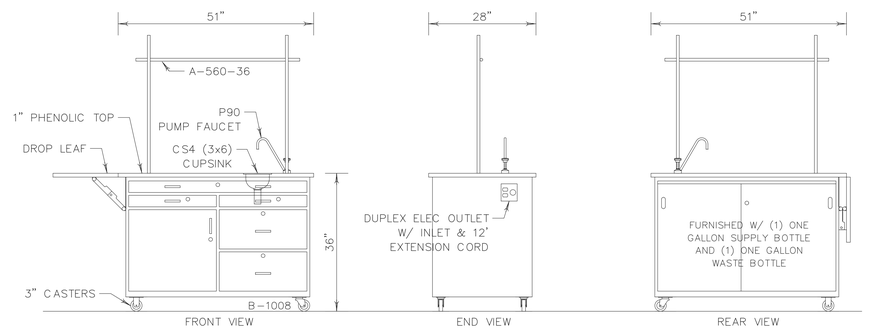

DEMONSTRATION TABLE DETAILS A11
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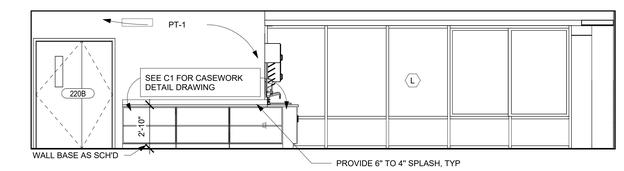
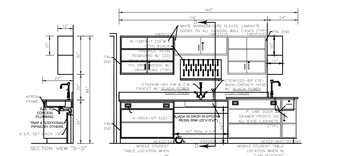
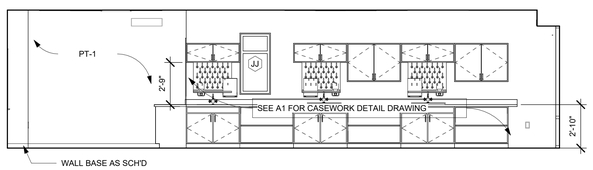


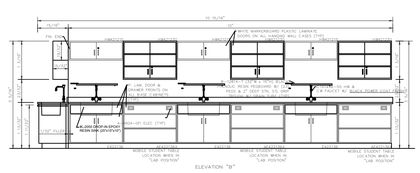
EARTH SCIENCE RM EAST ELEVATION C5
1/4" = 1'-0"



EARTH SCIENCE RM EAST ELEVATION C1
1/4" = 1'-0"



EARTH SCIENCE RM NORTH ELEVATION A5
1/4" = 1'-0"



EARTH SCIENCE RM NORTH ELEVATION A1
1/4" = 1'-0"

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REGISTERED ARCHITECT ARMANDO SAMUEL QUADRINI 022313 STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: SCIENCE RM CASEWORK DETIAL
SHEET NUMBER: A-838

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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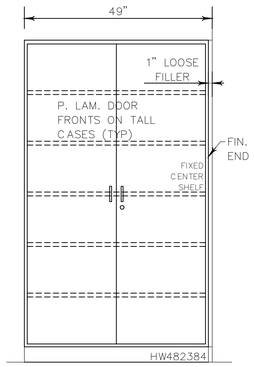

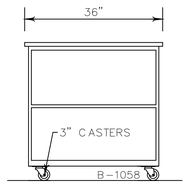

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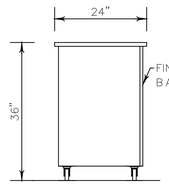

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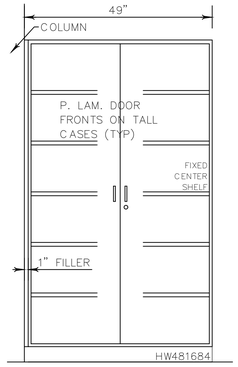

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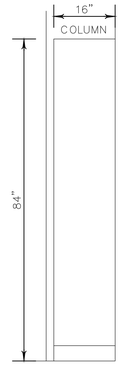

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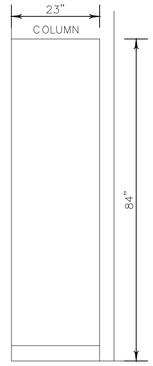

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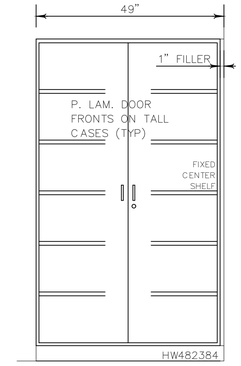

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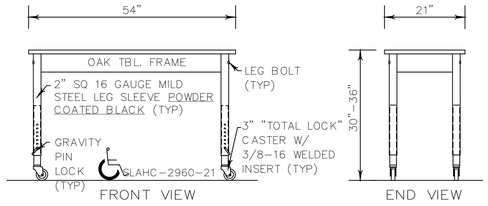
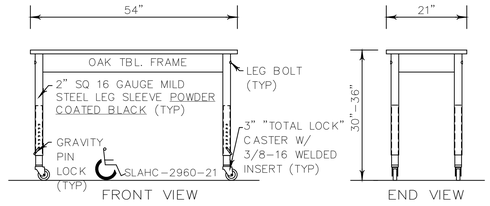


FRONT VIEW

END VIEW

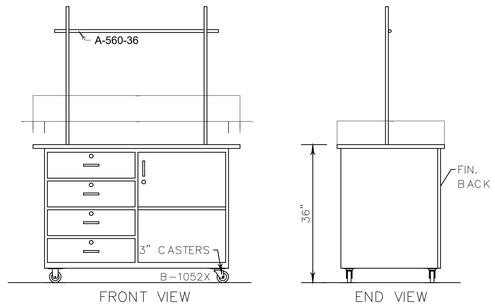


FRONT VIEW

END VIEW

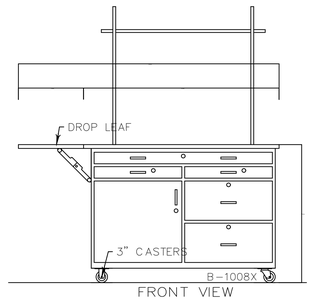
SCIENCE MILLWORK DETAILS
3/4" = 1'-0"

2

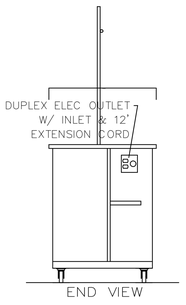


FRONT VIEW

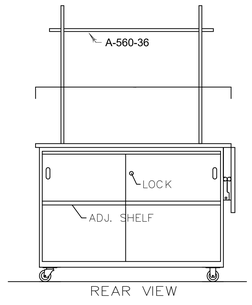
END VIEW



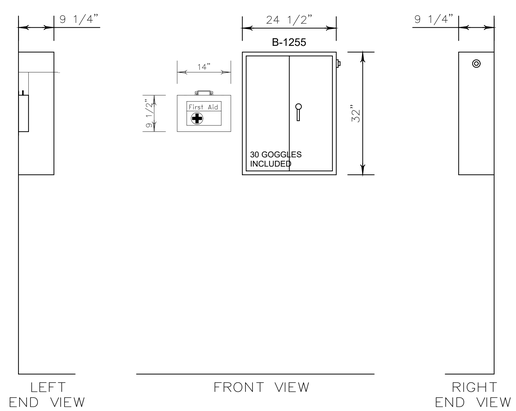
FRONT VIEW



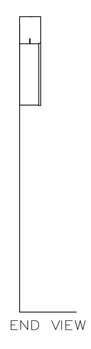
END VIEW

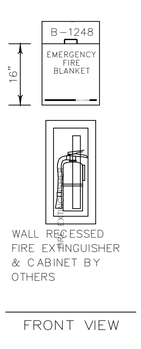


REAR VIEW

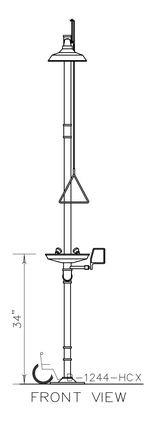


LEFT END VIEW
FRONT VIEW
RIGHT END VIEW

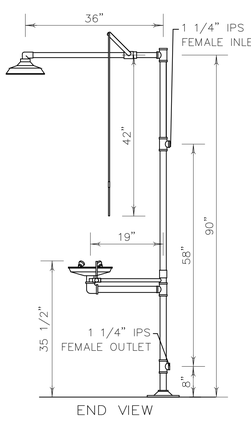

END VIEW



FRONT VIEW



FRONT VIEW



END VIEW

SCIENCE RM EQUIPMENT DETAILS
3/4" = 1'-0"

1

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STATE OF NEW YORK

EXP. DATE : 03/31/2028

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 3/4" = 1'-0"
SHEET NAME: SCIENCE RM CASEWORK DETIAL
SHEET NUMBER: A-839

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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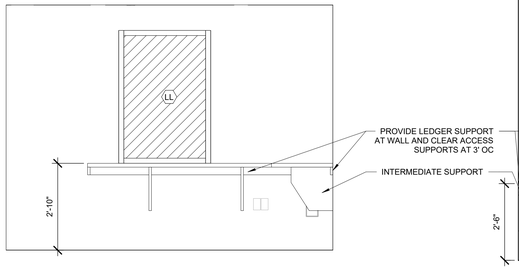
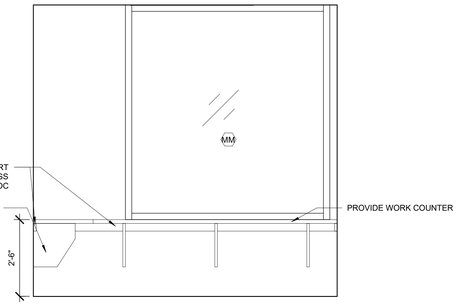


SECURITY VEST. BUILT-IN ELEVA J13
1/2" = 1'-0"



COUNTER ELEV J9
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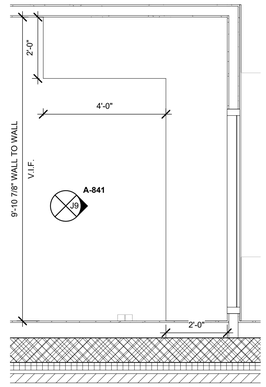
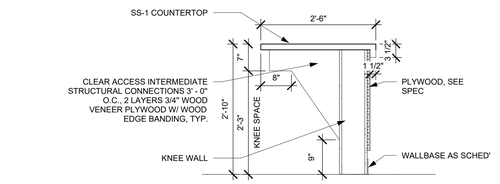
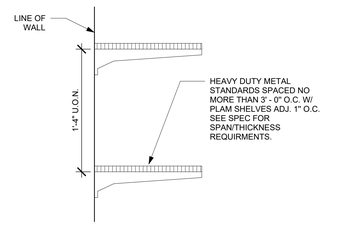


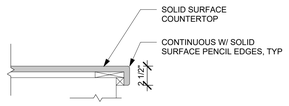
BUILT-IN COUNTER J6
1/2" = 1'-0"



SECTION @ STORE COUNTER J1
3/4" = 1'-0"



SECTION THRU SHELVES E15
1 1/2" = 1'-0"



DETAIL @COUNTER EDGE E12
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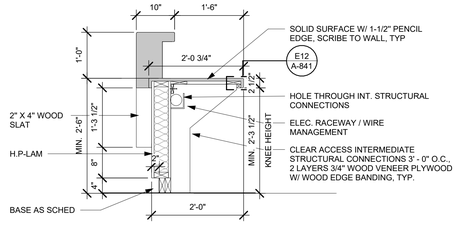
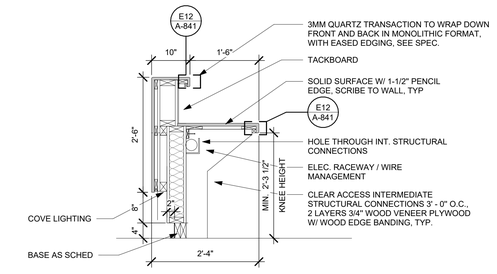
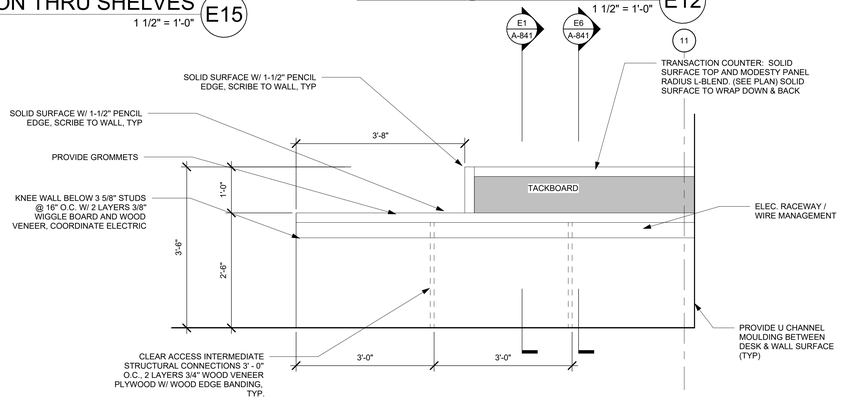


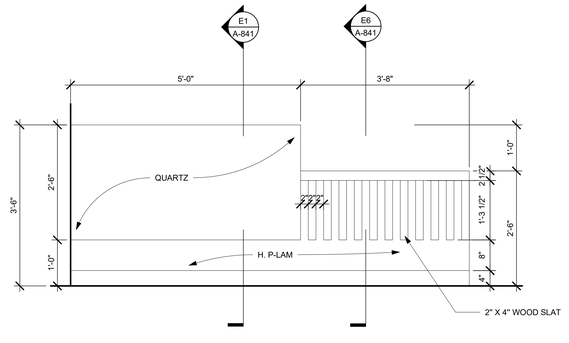
RECEPTION DESK SECTION 2 E6
3/4" = 1'-0"



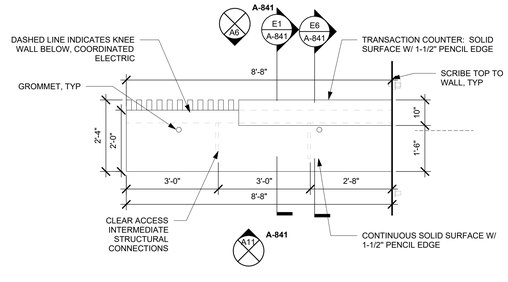
RECEPTION DESK SECTION 1 E1
3/4" = 1'-0"



ELEVATION @ RECEPTION DESK A11
3/4" = 1'-0"



RECEPTION DESK ELEVATION A6
3/4" = 1'-0"



RECEPTION DESK ENLARGED PLAN A1
1/2" = 1'-0"

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: MILLWORK & CASEWORK DETAILS
SHEET NUMBER: A-841

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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SOUTH FACADE

WEST FACADE

ENTRY VESTIBULE

SCIENCE WING

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022313
STATE OF NEW YORK

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME: RENDERINGS - EXTERIOR
SHEET NUMBER: A-900

BID SET

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LOBBY

ADMIN

GYM

DINING ROOM

ARCHITECT

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STATE OF NEW YORK

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME:
RENDERINGS

SHEET NUMBER:
A-901

BID SET

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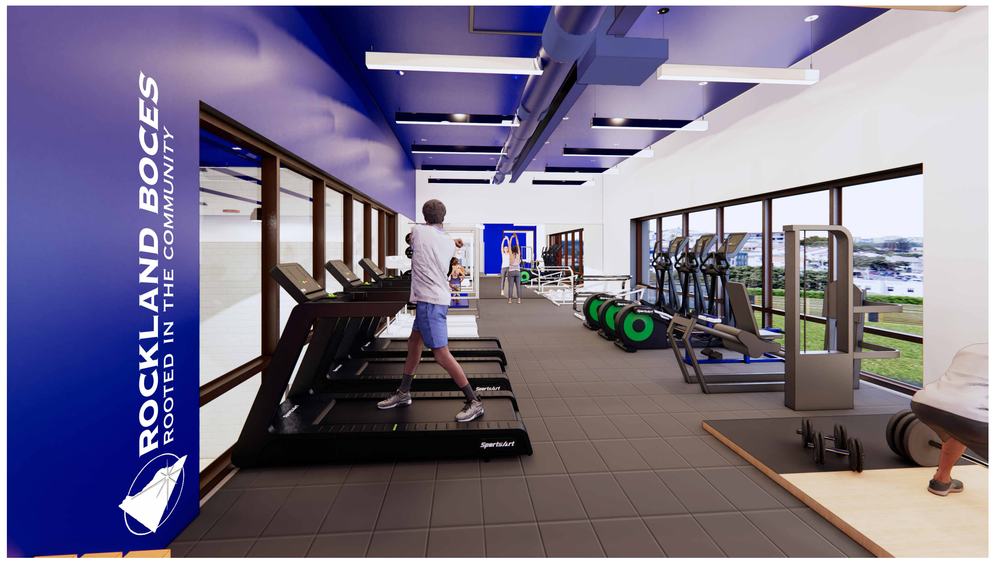

FITNESS CENTER

WBL CLASSROOM

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME:
RENDERINGS

SHEET NUMBER:
A-902

BID SET

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1ST FL CORRIDOR

2ND FL CORRIDOR

PRODUCTION KITCHEN

ARCHITECT

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SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME: RENDERINGS
SHEET NUMBER: A-903

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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TYPICAL CLASSROOM

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STATE OF NEW YORK

EXP. DATE : 03/31/2028

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 Parrott Rd,
West Nyack, NY, 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
RENDERINGS

SHEET NUMBER:
A-904

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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GENERAL NOTES

1. ALL WORK SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE THE PROJECT RESIDES IN AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
2. SHOULD THE GENERAL CONTRACTOR DISCOVER ANY DISCREPANCIES OR AMBIGUITIES OF DATA THAT CAUSE DOUBT AS TO THE MEANING OF ANY DRAWING MATERIAL OR SPECIFICATIONS, THE G.C. SHALL NOTIFY elite | studio e AND REQUEST CLARIFICATION PRIOR TO PROCEEDING.
3. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING AND/OR PAYING FOR ALL PERMITS, CERTIFICATES, GUARANTEES ETC., AS ARE REQUIRED BY LOCAL AUTHORITIES HAVING JURISDICTION, AND DELIVER THESE TO THE OWNER UPON COMPLETION OF THE WORK. THE G.C. SHALL ARRANGE AND COORDINATE INSPECTION OF THE WORK BY BUILDING OFFICIALS. THE G.C. SHALL BE HELD RESPONSIBLE FOR ANY VIOLATIONS ARISING FROM LACK OR PERMIT[S], CONDEMNED WORK OR FINES.
4. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT.
5. ALL WORKERS EMPLOYED BY THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR EMPLOYED BY THE G.C. SHALL BE SKILLED AT THE WORK TO WHICH THEY ARE ASSIGNED. ALL TRADES MUST PROVIDE EVIDENCE OF WORKERS COMPENSATION AND LIABILITY INSURANCE IN FORCE.
6. ALL MATERIAL STORED ON THE SITE SHALL BE ADEQUATELY PROTECTED AGAINST DAMAGE, WEATHER, AND THEFT. FINISHED WORK IS TO BE PROTECTED AGAINST DAMAGE FROM OTHER WORK IN PROGRESS. REPAIR AND/OR REPLACEMENT OF DAMAGED WORK OR MATERIAL SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AT NO COST TO THE OWNER.
7. THE PROJECT SITE IS TO BE KEPT REASONABLY CLEAN AND ALL LOOSE TRASH IS TO BE CONTAINED IN AN ON-SITE DUMPSTER WHICH SHALL BE EMPTIED WHEN FULL.
8. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS, QUANTITIES AND DETAILS IN THE FIELD.
9. NO CHANGES TO DRAWINGS, DETAILS AND/OR SPECIFICATIONS SHALL BE MADE BY THE GENERAL CONTRACTOR WITHOUT THE EXPRESSED CONSENT FROM elite | studio e.
10. THE GENERAL CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR THE SAFETY OF THE CONSTRUCTION OPERATION.
11. elite | studio e SHALL HAVE NO CONTROL OVER AND SHALL HAVE NO RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES AND PROCEDURES USED BY THE G.C. AND/OR ANY SUBCONTRACTORS EMPLOYED BY THE G.C. OR THE OWNER.
12. elite | studio e HAS NO RESPONSIBILITY FOR ANY ACTIONS OR OMISSIONS OF THE GENERAL CONTRACTOR OR HIS SUBCONTRACTORS OR THE FAILURE TO PERFORM WORK ACCORDING TO THE CONTRACT DOCUMENTS.
13. ALL ITEMS/NOTES ON DRAWINGS OF THE ARCHITECT OR THE ENGINEER[S] ARE PART OF THE CONTRACT DOCUMENTS.
14. ALL FILING, PERMITS, AND INSPECTIONS ARE THE RESPONSIBILITY OF THE ARCHITECT/GENERAL CONTRACTOR AS APPROPRIATE EXCEPT FOR THE FIRE SUPPRESSION SYSTEM AND HEALTH DEPARTMENT. FIRE SUPPRESSION SYSTEM FILING IS BY FIRE SUPPRESSION SYSTEM CONTRACTOR & HEALTH DEPARTMENT PERMIT IS BY FOODSERVICE OPERATOR.
15. ALL INTERIOR WALL, EXTERIOR WALL, FLOOR, AND ROOF PENETRATIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL PENETRATIONS SHALL BE PROPERLY SEALED BY THE PARTY MAKING SUCH PENETRATIONS.
16. IT IS THE RESPONSIBILITY OF THE ARCHITECT/MECHANICAL ENGINEER TO DETERMINE IF ADEQUATE VENTILATION EXISTS FOR FOODSERVICE REFRIGERATION COMPONENTS.
17. IT IS THE RESPONSIBILITY OF ARCHITECT/STRUCTURAL ENGINEER TO ENSURE THAT FOODSERVICE EQUIPMENT WEIGHT LOADS CAN BE SUPPORTED BY BUILDING STRUCTURE. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL ROOF MOUNTED, CEILING-HUNG, AND WALL-HUNG FOODSERVICE EQUIPMENT.
18. ASBESTOS TESTING AND ABATEMENT SHALL BE THE RESPONSIBILITY OF OTHERS UNLESS OTHERWISE INDICATED.
19. FOODSERVICE EQUIPMENT CUT BOOK IS PART OF THE CONTRACT DOCUMENTS. PLEASE CONTACT elite | studio e IF NOT PROVIDED WITH DRAWING SET.
20. ROUGH-IN INFORMATION IS FOR FOODSERVICE EQUIPMENT ONLY AND MUST BE USED IN CONJUNCTION WITH THE PROJECT'S FINAL CONTRACT DOCUMENTS.

ELECTRICAL NOTES

1. THESE DRAWINGS SHOW ELECTRICAL REQUIREMENTS FOR FOODSERVICE ONLY [UNLESS OTHERWISE ILLUSTRATED]. FOR ALL OTHER REQUIREMENTS SEE ARCHITECTURAL/ENGINEERING DRAWINGS.
2. ALL PREVAILING LOCAL ELECTRICAL CODES TO BE ADHERED TO.
3. ELECTRICIAN TO PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO EQUIPMENT. ELECTRICIAN TO FURNISH ALL TRIM ACCESSORIES, DISCONNECTS, CONTACTORS, SWITCHES, RELAYS, ELECTRICAL WHIPS, ETC. ELECTRICIAN TO PROVIDE CORD AND PLUG AS REQUIRED OR MAKE DIRECT CONNECTION TO EACH ELECTRICAL ITEM.
4. ELECTRICIAN TO FURNISH AND INSTALL CONDUITS AND SLEEVES FOR WALK-IN BOX ITEM[S]. [IF APPLICABLE]
5. ELECTRICIAN TO SEAL ALL ELECTRICAL PENETRATIONS INTO WALK-IN BOXES. [IF APPLICABLE]
6. ALL WIRING TO BE CONCEALED IN PROTECTIVE OUTER CASING SUCH AS 'SEAL TIGHT' OR 'BX'. SEAL TIGHT IS THE PREFERRED METHOD WHENEVER POSSIBLE.
7. ALL DIMENSIONS ARE TO CENTERLINE OF ELECTRICAL BOXES FROM FINISHED WALLS, COLUMNS, OR FLOORS.
8. ELECTRICIAN TO FURNISH AND INSTALL ALARM SYSTEM IF REQUIRED BY LOCAL CODES AND SHALL ALSO BE RESPONSIBLE TO TIE IN FIRE SUPPRESSION SYSTEMS TO ALARM SYSTEM. [WHERE APPLICABLE]
9. ELECTRICAL ENGINEER MUST VERIFY THAT ADEQUATE ELECTRICAL POWER WILL STILL BE PROVIDED FOR ALL FOODSERVICE ITEMS IDENTIFIED AS EXISTING TO REMAIN OR EXISTING/RELOCATED.
10. FIRE SUPPRESSION SYSTEM [WHERE APPLICABLE] ELECTRICAL MICRO-SWITCH SUPPLIED BY FIRE SUPPRESSION SYSTEM CONTRACTOR. MICRO-SWITCH TO BE INSTALLED BY ELECTRICIAN TO SHUT OFF ALL COOKING EQUIPMENT IN CASE OF FIRE.
11. ELECTRICIAN TO SUPPLY & INSTALL SHUNT-TRIP BREAKERS TO ENSURE ELECTRICITY IS CUT OFF TO ANY SERVICES UNDER THE HOOD.
12. ELECTRICIAN TO ENSURE UPON FIRE SUPPRESSION SYSTEM TRIGGER THAT THE EXHAUST FAN COMES ON AT 100% & MAKE-UP AIR FAN SHUTS DOWN UNLESS OTHERWISE DIRECTED BY LOCAL CODE.
13. ALL FINAL CONNECTION DIMENSIONS TO EQUIPMENT ARE TO BE VERIFIED BY ELECTRICIAN.
14. REMOTE SWITCH FOR EXHAUST HOOD LIGHTS TO BE FURNISHED AND INSTALLED BY ELECTRICIAN.
15. ELECTRICIAN SHALL BE RESPONSIBLE FOR WIRING & MOUNTING OF ALL REMOTE SWITCHES/BALLASTS FOR FOODSERVICE EQUIPMENT AND/OR CASEWORK, LOCATION TO BE COORDINATED WITH F.S.E.C.
16. ELECTRICIAN TO VERIFY ELECTRICAL REQUIREMENTS FOR ALL NEW OR EXISTING/RELOCATED FOODSERVICE EQUIPMENT SUPPLIED BY "OWNER", "VENDOR", "FOODSERVICE MANAGEMENT COMPANY" OR BY "OTHERS".
17. ELECTRICIAN TO PROVIDE ALL FINAL CONNECTIONS AND INTERCONNECTIONS/CONTROL WIRING AS REQUIRED TO WALK-IN COMPONENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, TIME CLOCK, DOOR HEATERS, LIGHTS, AND DRAIN LINE HEATER.
18. ELECTRICIAN TO CONFIRM THAT ALL elite | studio e SPECIFIED ELECTRICAL FIXTURES MEET LOCAL CODE REQUIREMENTS.
19. ELECTRICAL LOAD PANELS FOR FOOD SERVICE EQUIPMENT: ELECTRICIAN TO MAKE INTERCONNECTIONS BETWEEN EQUIPMENT AND JUNCTION BOXES/LOAD PANELS AS REQUIRED. ELECTRICIAN TO MAKE ANY CONNECTIONS REQUIRED IF ANY COUNTERS ARE SHIPPED IN SECTIONS.
20. ELECTRICIAN TO FURNISH DEDICATED CIRCUITS FOR ALL FOODSERVICE EQUIPMENT ITEMS. [UNLESS OTHERWISE NOTED].
21. ALL NEW AND/OR EXISTING FOODSERVICE EQUIPMENT ITEMS SHOWN SHALL UTILIZE [WHEREVER FEASIBLE] EXISTING ELECTRICAL POWER SUPPLY LINES, JUNCTION BOXES AND/OR RECEPTACLE OUTLETS. [UNLESS OTHERWISE NOTED]
22. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL REQUIREMENTS FOR RELOCATING EQUIPMENT & UPGRADE AND/OR MODIFY SERVICE AS REQUIRED.
23. ELECTRICIAN TO PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO ALL EQUIPMENT, **INCLUDING HEAT LAMPS TO CONTROL BOX AND PENDANT LIGHTS.**
24. ELECTRICIAN TO FURNISH ALL TRIM ACCESSORIES, DISCONNECTS, CONTRACTORS, SWITCHES, RELAYS, ELECTRICAL WHIPS, ETC.
25. ELECTRICIAN TO PROVIDE CORD AND PLUG AS REQUIRED OR MAKE DIRECT CONNECTION TO EACH ELECTRICAL ITEM.
26. NATIONAL ELECTRICAL CODE #210.8[B][2] REQUIRES THAT ALL 15 AMP & 20 AMP, 120 VOLT RECEPTACLES IN NON-DWELLING UNITS [COMMERCIAL & INDUSTRIAL], KITCHENS, SERVING AREAS, AND/OR PANTRIES BE GFCI PROTECTED (WHETHER OR NOT THE RECEPTACLE SERVES COUNTERTOP AREAS). ELECTRICAL ENGINEER AND/OR ELECTRICAL CONTRACTOR TO ENSURE ALL APPLICABLE RECEPTACLES AND/OR CIRCUITS SHOWN WITHIN THESE FOOD SERVICE DESIGN DRAWINGS ARE PROPERLY SPECIFIED, FURNISHED, & INSTALLED TO COMPLY WITH THIS CODE.
27. ELECTRICIAN TO PROVIDE THERMAL OVERLOAD PROTECTORS FOR ALL FAN ON/OFF SWITCHES AND STARTERS AS PER LOCAL CODE.

PLUMBING NOTES

1. THESE DRAWINGS SHOW PLUMBING REQUIREMENTS FOR FOODSERVICE EQUIPMENT ONLY [UNLESS OTHERWISE ILLUSTRATED]. FOR ALL OTHER REQUIREMENTS, SUCH AS TOILET FACILITIES, AREA FLOOR DRAINS OTHER THAN THOSE FOR CODE REASONS - SEE ARCHITECTURAL/ENGINEERING DRAWINGS.
2. ALL PREVAILING LOCAL PLUMBING CODES TO BE ADHERED TO.
3. PLUMBER TO PROVIDE ALL ROUGH-INS AND FINAL CONNECTIONS TO EQUIPMENT. PLUMBER TO FURNISH ALL TRIM ACCESSORIES, VALVE PRESSURE REGULATORS, P-TRAPS, GREASE TRAPS, DRAIN LINES AND BACK FLOW PREVENTION SYSTEM DEVICES, ETC.
4. PLUMBER TO PROPERLY SIZE, FURNISH, AND INSTALL ALL STEAM PRESSURE REDUCING VALVES [AS REQUIRED] FOR ALL WAREWASHING MACHINES AND RELATED EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES. FINAL LOCATION TO BE COORDINATED BETWEEN THE F.S.E.C. AND THE PLUMBER **PRIOR TO INSTALLATION** TO AVOID ANY CONFLICTS ON OR NEAR EQUIPMENT.
5. PLUMBER TO VERIFY SIZE, FURNISH AND INSTALL GREASE TRAPS, FLOOR SINKS, AND FLOOR DRAINS AS REQUIRED BY LOCAL CODE. IF PLANS ILLUSTRATE DIFFERENCES FROM LOCAL CODE PLUMBER MUST NOTIFY elite | studio e.
6. ALL DIMENSIONS ARE FROM FINISHED FLOOR, WALLS, OR COLUMNS TO CENTERLINES OF PLUMBING FIXTURES. ALLOWANCE MUST BE MADE FOR ALL VALVES, TRAPS, AND FITTINGS BETWEEN OUTLETS ON FIXTURES AND ROUGH-IN CONNECTIONS.
7. ALL INDIRECT WASTE LINES SHALL BE EXTENDED TO FLOOR DRAINS AND/OR FLOOR SINKS BY PLUMBING CONTRACTOR. FLOOR SINKS &FLOOR DRAINS SHALL BE SIZED, FURNISHED, AND INSTALLED BY PLUMBER. PROVIDE AIR GAP ABOVE HIGHEST POINT OF FLOOR SINK OR FLOOR DRAIN.
8. ALL FLOOR DRAINS AND/OR FLOOR SINKS SHOWN ARE DEEMED NECESSARY FOR FOODSERVICE. AREA FLOOR DRAINS FOR GENERAL SANITATION SHALL BE FURNISHED AND INSTALLED BY PLUMBER.
9. MECHANICALLY OPERATED GAS SHUT-OFF VALVE, FOR FIRE SUPPRESSION SYSTEM [IF APPLICABLE] WILL BE FURNISHED BY FIRE SUPPRESSION SYSTEM CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. INSTALLATION TO BE IN MAIN COOKING GAS LINE [ACCESS REQUIRED]' TO SHUT OFF ALL COOKING EQUIPMENT IN CASE OF FIRE.
10. ALL FINAL CONNECTION DIMENSIONS TO EQUIPMENT ARE TO BE VERIFIED BY PLUMBER.
11. ALL SHUT-OFF VALVES FOR PLUMBING ITEMS SHALL BE FURNISHED BY PLUMBER [UNLESS OTHERWISE NOTED]. THIS INCLUDES ISOLATION VALVES FOR ALL WATER CONNECTIONS.
12. PLUMBER MUST PROVIDE 120F HOT WATER AT ALL FOOD PREPARATION AND WARE-WASHING SINKS/MACHINES. [UNLESS OTHERWISE NOTED BY LOCAL CODE]
13. PLUMBER MUST SUPPLY OR REDUCE INCOMING HOT WATER TO 105F AT ALL HAND WASHING SINKS. [UNLESS OTHERWISE NOTED BY LOCAL CODE]
14. PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL REQUIREMENTS FOR RELOCATED EQUIPMENT & UPGRADE AND/OR MODIFY SERVICES AS REQUIRED.
15. ALL NEW AND/OR EXISTING FOODSERVICE EQUIPMENT ITEMS SHOWN ON THESE DRAWINGS SHALL UTILIZE [WHEREVER FEASIBLE] EXISTING PLUMBING [WATER/GAS/STEAM SUPPLY/DRAINAGE/RETURN] LINES. [UNLESS OTHERWISE NOTED]
16. PLUMBER TO SEAL ALL PENETRATIONS MADE TO WALK-IN BOXES. [IF APPLICABLE]
17. OPEN AIR SCREEN MERCHANDISERS SHOULD BE PIPED TO FLOOR DRAINS. [WHEREVER POSSIBLE]
18. PLUMBER TO VERIFY PLUMBING REQUIREMENTS FOR ALL NEW OR EXISTING/RELOCATED FOODSERVICE EQUIPMENT SUPPLIED BY "OWNER", "VENDOR", "FOODSERVICE MANAGEMENT COMPANY" OR "BY OTHERS".
19. PLUMBER TO FURNISH AND INSTALL HOT AND COLD WATER LINE CHECK VALVES AT ALL SPRAY SYSTEMS UNIT MIXING VALVES UNLESS OTHERWISE NOTED.

COMMERCIAL KITCHEN VENTILATION (CKV)/HVAC NOTES

1. ALL DUCT WORK SIZING AND ROUTING SHALL BE DETERMINED BY MECHANICAL ENGINEER.
2. ALL EXHAUST AND/OR SUPPLY FAN SIZING, PROVIDING & INSTALLING SHALL BE THE RESPONSIBILITY OF OTHERS. [UNLESS OTHERWISE NOTED]
3. BALANCING OF BUILDING HVAC SYSTEM SHALL BE PERFORMED BY HVAC CONTRACTOR PRIOR TO OCCUPANCY.
4. ALL LOCATIONS OF NEW HVAC SYSTEM DIFFUSERS AND RETURNS SHALL BE VERIFIED BY elite | studio e SINCE IMPROPER LOCATIONS CAN AFFECT THE OPERATION OF FOODSERVICE EQUIPMENT. elite | studio e CANNOT BE HELD RESPONSIBLE FOR EQUIPMENT MALFUNCTION OR LOSS OF PRODUCT DUE TO IMPROPER VENTILATION OUTLET/INLET LOCATIONS.
5. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL C.K.V. EXHAUST HOODS, DUCTWORK AND FANS NOTED AS EXISTING TO REMAIN ARE FUNCTIONING PROPERLY PRIOR TO OCCUPANCY. MECHANICAL CONTRACTOR/ENGINEER SHALL ALSO CONFIRM THAT CFM'S AND STATIC PRESSURE ARE ADEQUATE FOR NEW EQUIPMENT CONFIGURATION.
6. FURNISHING AND INSTALLING OF ROOF CURBS FOR KITCHEN VENTILATION EXHAUST FANS AND MAKE-UP AIR UNITS SHALL BE THE RESPONSIBILITY OF OTHERS UNLESS OTHERWISE INDICATED.
7. ALL CONTROL WIRING RELATED TO KITCHEN VENTILATION SHALL BE FURNISHED & INSTALLED BY THE MECHANICAL CONTRACTOR. ALL INTER-WIRING & FINAL CONNECTIONS SHALL BE BY THE ELECTRICAL CONTRACTOR.
8. UNI-STRUT THREADED ROD AND ALL OTHER ASSOCIATED MATERIAL AND HARDWARE ARE TO BE SUPPLIED AND INSTALLED BY COMMERCIAL KITCHEN VENTILATION CONTRACTOR.
9. HVAC ROOM DIFFUSERS SHALL NOT BE PLACED WITHIN 6' - 0" OF EXHAUST HOODS.
10. FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL DUCTWORK SHOP DRAWINGS WITH THE EXHAUST FAN MANUFACTURER FOR FINAL SELECTION & SPECIFICATIONS OF THE EXHAUST FAN[S], MAKE UP AIR FAN[S], AND/OR CONDENSATE FAN[S].
11. FINAL APPROVAL OF SPECIFICATIONS FOR ANY EXHAUST FANS, MAKE UP AIR UNITS, AND/OR CONDENSATE FANS SHALL BE THE RESPONSIBILITY OF THE MECHANICAL ENGINEER.

FOODSERVICE FIRE SUPPRESSION SYSTEM NOTES

1. ELECTRICIAN TO PROVIDE THE FOLLOWING CIRCUIT AT LOCATION OF FIRE SUPPRESSION SYSTEM: 1.] JB, AT 20 AMPS, 2.] ELECTRICIAN TO WIRE TO BUILDING FIRE ALARM SYSTEM AS REQUIRED.
2. IT IS THE RESPONSIBILITY OF THE ELECTRICIAN/PLUMBER TO ENSURE THE FOLLOWING OCCURS UPON DISCHARGE/ACTIVATION OF FOODSERVICE FIRE SUPPRESSION SYSTEM:
   - A. ALL SUPPLIES FEEDING ALL FOODSERVICE EQUIPMENT UNDER HOOD SHALL BE SHUT DOWN. [GAS & ELECTRIC]
   - B. ALL MAKE-UP AIR FANS SHALL BE SHUT DOWN. [AS PER LOCAL CODE]
   - C. ALL EXHAUST FANS SHALL TURN ON. [AS PER LOCAL CODE]
   - D. BUILDING FIRE ALARM SYSTEM WILL ACTIVATE AS REQUIRED.
   - E. ALL DRAWINGS, FILING, PERMITS AND TESTING SHALL BE THE RESPONSIBILITY OF FIRE SUPPRESSION CONTRACTOR.
3. ELECTRICIAN TO FURNISH & INSTALL SHUNT-TRIP BREAKER.
4. THE F.S.E.C. SHALL PROPERLY SIZE AND FURNISH ALL GAS SOLENOID VALVES REQUIRED FOR COOKING EQUIPMENT TO THE GENERAL CONTRACTOR FOR INSTALLATION BY THE PLUMBING AND/OR ELECTRICAL CONTRACTORS.

HOISTING & ROOF PENETRATION NOTES

1. WHERE REQUIRED, ALL ROOFTOP MOUNTED FOODSERVICE EQUIPMENT PROVIDED BY FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE HOISTED TO ROOFTOP BY GENERAL CONTRACTOR.
2. FABRICATION OF ROOF CURB, COMPRESSOR RACKS, AND COMPRESSOR MOUNTS/STANDS SHALL BE THE RESPONSIBILITY OF OTHERS UNLESS OTHERWISE INDICATED, AND IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR/ROOFING CONTRACTOR TO INSTALL AND PROVIDE ROOF FLASHING AND PENETRATIONS.
3. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, SCHEDULING, AND GENERAL COORDINATION OF ALL HOISTING.

EXISTING RELOCATED/DISCARDED FOODSERVICE EQUIPMENT

1. MECHANICAL DATA SHOWN FOR EXISTING/RELOCATED EQUIPMENT IS FOR REFERENCE ONLY. ALL EXISTING/RELOCATED EQUIPMENT, ELECTRICAL AND PLUMBING ROUGH-IN DATA MUST BE VERIFIED IN FIELD BY ELECTRICIAN AND PLUMBER.
2. EXISTING UTILITY CONNECTIONS REMAINING FROM DISCARDED FOODSERVICE EQUIPMENT THAT WILL NO LONGER BE REQUIRED SHALL BE CAPPED IN AN APPROPRIATE MANNER BY THE RESPECTIVE TRADES.
3. IT SHALL BE THE RESPONSIBILITY OF THE F.S.E.C. TO SWEEP CLEAN SPACE OF REMOVED EQUIPMENT/DEBRIS AND DISPOSE OF FOR SAFETY AND FUTURE USE OF CLEANED AREA

WALK-IN COOLER/FREEZER/REMOTE REFRIGERATION NOTES

1. WALK-IN BOXES-PROVISION OF DEPRESSION AND REQUIRED SUBSTRATE AS WELL AS FINISHED FLOORING MATERIALS [I.E. QUARRY TILE, POURED FLOOR, ETC.] SHALL BE BY OTHERS. [UNLESS OTHERWISE NOTED]
2. ALL OUTDOOR WALK-IN BOXES SHALL HAVE LEVEL CONCRETE PAD WITH ADEQUATE DRAINAGE AND ELECTRIC FURNISHED BY GENERAL CONTRACTOR.
3. FURNISHING AND INSTALLING OF ROOF CURBS FOR REMOTE REFRIGERATION UNITS SHALL BE THE RESPONSIBILITY OF OTHERS UNLESS OTHERWISE INDICATED.
4. GENERAL CONTRACTOR OR OWNER TO PROVIDE TRANSIT LEVEL FLOORS AND/OR RECESSES [AS APPLICABLE] FOR WALK-IN COOLERS & FREEZERS. elite | studio e WILL NOT BE RESPONSIBLE FOR CORRECTIONS TO MEET TRANSIT LEVEL CONDITIONS IN NEW OR EXISTING FACILITIES.
5. REFRIGERATION CONTRACTOR TO FURNISH AND INSTALL INDIRECT DRAIN LINE FROM REFRIGERATION UNIT EVAPORATOR COIL[S] TO ADJACENT FLOOR DRAIN WITH AIR GAP. [AS REQUIRED BY LOCAL CODE]

RESPONSIBILITY MATRIX

TRADE	ABBREVIATION	UNDER CONTRACT TO F.S.E.C.	UNDER CONTRACT TO OWNER	UNDER CONTRACT TO F.S. OPERATOR	UNDER CONTRACT TO G.C.	N/A	T.B.D.
CARPENTER	CARP				●		
LOW VOLTAGE CONTRACTOR	COMMC				●		
DEMOLITION CONTRACTOR	DEMOC				●		
DUMPSTER PROVISION					●		
ELECTRICAL CONTRACTOR	EC				●		
F.S. FIRE SUPPRESSION SYSTEM CONTRACTOR	FSSC	●					
FLOORING CONTRACTOR	FC				●		
FOODSERVICE EQUIPMENT CONTRACTOR	FSEC				●		
GENERAL CONTRACTOR	GC		●				
GLAZING CONTRACTOR	GLZC				●		
HVACC/MECHANICAL CONTRACTOR	HVAC/CKV				●		
LANDSCAPING CONTRACTOR	LANDC				●		
MASON/TILE CONTRACTOR	MC/TC				●		
MILLWORK CONTRACTOR	MWKC	●					
PAINTING CONTRACTOR	PAINT				●		
PLUMBING CONTRACTOR	PC				●		
REFRIGERATION CONTRACTOR	RC	●					
RIGGING CONTRACTOR	RIGC				●		
ROOFING CONTRACTOR	ROOFC				●		
SPRINKLER SYSTEM CONTRACTOR	SPLRC				●		
SHEET METAL CONTRACTOR	SMC	●					

LIST OF FOODSERVICE DRAWINGS

SHEET NUMBER	SHEET NAME	INCLUDED	FUTURE	N/A
FS-100	FOODSERVICE GENERAL NOTES, LEGENDS, ABBREVIATIONS	X		
FS-200	FOODSERVICE EQUIPMENT DEMOLITION PLAN	X		
FS-300	FOODSERVICE EQUIPMENT PLAN - KITCHEN #1	X		
FS-301	FOODSERVICE EQUIPMENT PLAN - KITCHEN #2&3	X		
FS-302	FOODSERVICE EQUIPMENT PLAN - SCHOOL STORE	X		
FS-350	FOODSERVICE EQUIPMENT M.E.P. SCHEDULE	X		
FS-351	FOODSERVICE EQUIPMENT M.E.P. SCHEDULE	X		
FS-352	FOODSERVICE EQUIPMENT M.E.P. SCHEDULE	X		
FS-353	FOODSERVICE EQUIPMENT M.E.P. SCHEDULE	X		
FS-354	FOODSERVICE EQUIPMENT M.E.P. SCHEDULE	X		
FS-355	FOODSERVICE EQUIPMENT M.E.P. SCHEDULE	X		
FS-380	FOODSERVICE PERSPECTIVE VIEWS	X		
FS-400	FOODSERVICE ELECTRICAL ROUGH-IN PLAN - KITCHEN #1	X		
FS-401	FOODSERVICE ELECTRICAL ROUGH-IN PLAN - KITCHEN #2&3	X		
FS-402	FOODSERVICE ELECTRICAL ROUGH-IN PLAN - SCHOOL STORE	X		
FS-440	FOODSERVICE PLUMBING ROUGH-IN PLAN - KITCHEN #1	X		
FS-441	FOODSERVICE PLUMBING ROUGH-IN PLAN - KITCHEN #2&3	X		
FS-442	FOODSERVICE PLUMBING ROUGH-IN PLAN - SCHOOL STORE	X		
FS-460	FOODSERVICE FLOOR PENETRATION PLAN - KITCHEN #1	X		
FS-461	FOODSERVICE FLOOR PENETRATION PLAN - KITCHEN #2&3	X		
FS-480	FOODSERVICE COMPRESSOR LOCATION PLAN	X		
FS-500	FOODSERVICE C.K.V. ROUGH-IN PLAN - KITCHEN #1	X		
FS-501	FOODSERVICE C.K.V. ROUGH-IN PLAN - KITCHEN #2&3	X		
FS-520	FOODSERVICE CRITICAL DIMENSIONS PLAN - KITCHEN #1	X		
FS-521	FOODSERVICE CRITICAL DIMENSIONS PLAN - KITCHEN #2&3	X		
FS-540	FOODSERVICE WALL BLOCKING PLAN - KITCHEN #1	X		
FS-541	FOODSERVICE WALL BLOCKING PLAN - KITCHEN #2&3	X		
FS-600	FOODSERVICE ELEVATION KEY PLAN - KITCHEN #1	X		
FS-601	FOODSERVICE ELEVATION KEY PLAN - KITCHEN #2&3	X		
FS-602	FOODSERVICE ELEVATION KEY PLAN - SCHOOL STORE	X		
FS-620	FOODSERVICE ELEVATIONS	X		
FS-621	FOODSERVICE ELEVATIONS	X		
FS-622	FOODSERVICE ELEVATIONS	X		
FS-623	FOODSERVICE ELEVATIONS	X		
FS-624	FOODSERVICE ELEVATIONS	X		
FS-660	FOODSERVICE SECTIONS	X		
FS-680	FOODSERVICE TYPICAL STAINLESS STEEL DETAILS	X		
FS-681	FOODSERVICE TYPICAL STAINLESS STEEL DETAILS	X		
FS-682	FOODSERVICE TYPICAL STAINLESS STEEL DETAILS	X		
FS-690	FOODSERVICE TYPICAL MILLWORK DETAILS	X		
FS-700	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)	X		
FS-701	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)	X		
FS-702	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)	X		
FS-703	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)	X		
FS-704	FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)	X		
FS-720	FOODSERVICE WALK-IN DETAIL DRAWINGS (AMERIKOOLER)	X		
FS-721	FOODSERVICE WALK-IN DETAIL DRAWINGS (AMERIKOOLER)	X		
FS-730	FOODSERVICE REFRIGERATION DETAIL DRAWINGS (COLDZONE)	X		
FS-740	FOODSERVICE WAREWASHING DETAIL DRAWINGS (JOHN BOOS)	X		
FS-760	FOODSERVICE MISCELANEOUS DETAIL DRAWINGS (AVTEC)	X		

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ACT	ACOUSTICAL CEILING TILE
ADDL	ADDITIONAL
AFF	ABOVE FINISHED FLOOR
AFS	ABOVE FINISHED SLAB
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
BLDG	BUILDING
BTC	BRANCH TO CONNECTION
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CMU	CONCRETE MASONRY UNIT
CKV	COMMERCIAL KITCHEN VENTILATION
CKVC	COMMERCIAL KITCHEN VENTILATION CONTRACTOR
CO	CONVENIENCE OUTLET
CONC	CONCRETE
COL	COLUMN
CONN	CONNECTION
CONST	CONSTRUCTION
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CT	CERAMIC TILE
DEMO	DEMOLITION
DFA	DOWN FROM ABOVE
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DWG	DRAWING
EA	EACH
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXH	EXHAUST
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
FFD	FUNNEL FLOOR DRAIN
FF	FINISHED FLOOR
FIN	FINISH
FLR	FLOOR
FRZR	FREEZER
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
GA	GAUGE
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPT
GL	GLASS
GWB	GYPSUM WALLBOARD
HVAC	HEAT/VENTILATION/AIR CONDITIONING
HVACC	HEAT/VENTILATION/AIR CONDITIONING CONTRACTOR
HGT	HEIGHT
ID	INSIDE DIAMETER
INT	INTERIOR
JB	JUNCTION BOX
JC	JANITOR'S CLOSET
KPL	KICKPLATE
LAV	LAVATORY
LT	LIGHT
MAS	MASONRY
MAX	MAXIMUM
ME	MECHANICAL ENGINEER
MECH	MECHANICAL
MIN	MINIMUM
MWK	MILLWORK
NIC	NOT IN CONTRACT
NISOW	NOT IN SCOPE OF WORK
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFF	OFFICE
PC	PLUMBING CONTRACTOR
PL LAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PNT	PAINT
PNTD	PAINTED
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
QT	QUARRY TILE
QTY	QUANTITY
RC	REFRIGERATION CONTRACTOR
REF	REFRIGERATOR
REQ'D	REQUIRED
RI	ROUGH-IN
RM	ROOM
SECT	SECTION
SPEC	SPECIFICATION
SPLR	SPRINKLER
SR	SINGLE RECEPTACLE
SS	STAINLESS STEEL
STD	STANDARD
STOR	STORAGE
TEL	TELEPHONE
THK	THICK[NESS]
TOS	TOP OF SLAB
TYP	TYPICAL
VAR	VARIES
VAT	VINYL ASBESTOS TILE
VCT	VINYL COMPOSITE TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VT	VINYL TILE
W/	WITH
W/O	WITHOUT
WD	WOOD
WD BLK	WOOD BLOCKING
WSCT	WAINSCOT

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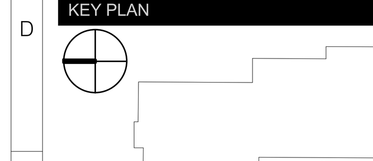
**ROCKLAND BOCES
P-TECH C-TEC
BUILDING**

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
FOODSERVICE GENERAL NOTES, LEGENDS, ABBREVIATIONS

SHEET NUMBER:
FS-100

BID SET

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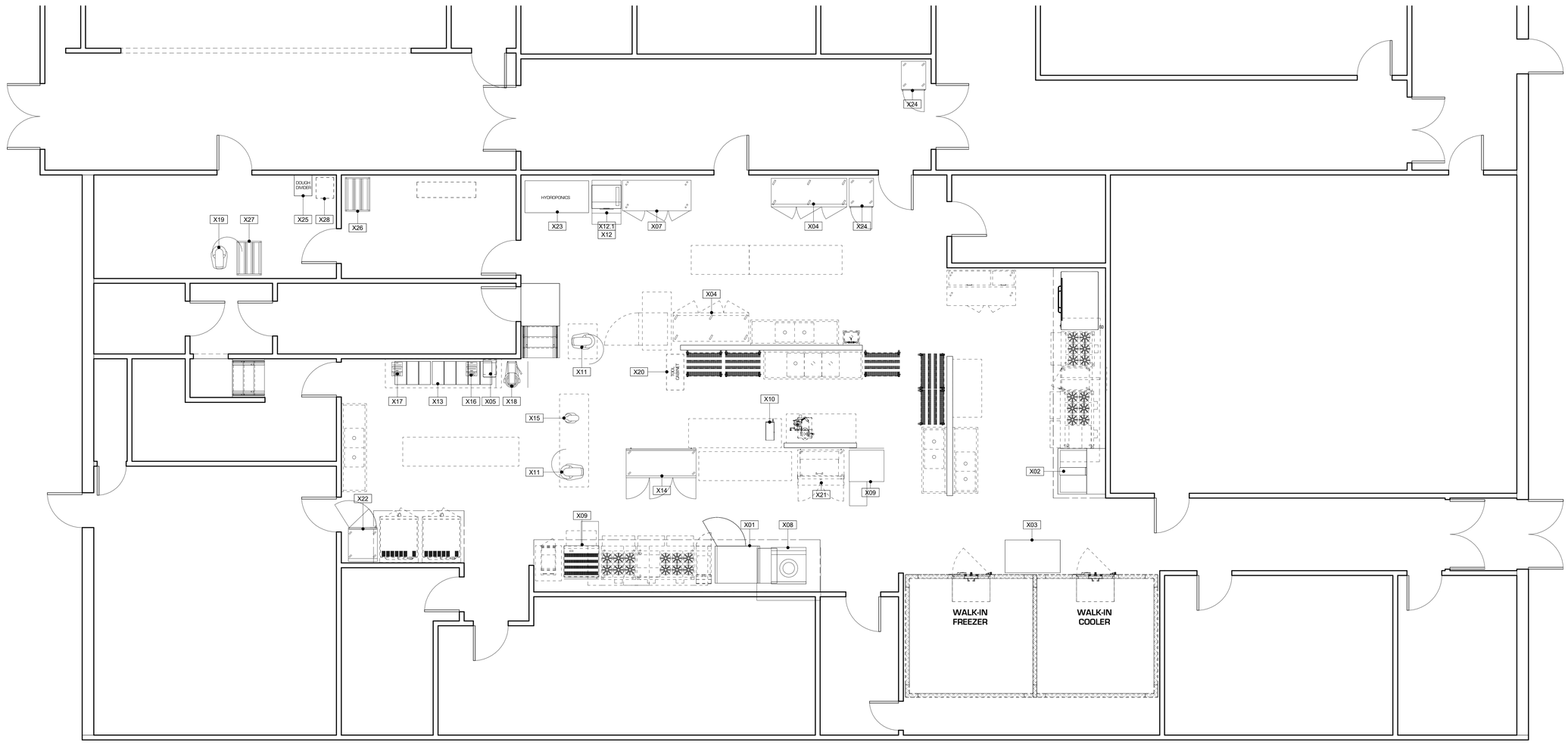
Foodservice Existing Equipment Schedule				
Item #	Qty	Equipment Description	Manufacturer	Model
S01	5	5-Tier Wire Shelving Unit	Quantum	WR74-2436C-5
X01	1	Gas Combi Oven	Rational	iCombi 6 FULL
X02	1	Multifunction Skillet	Rational	iVario 2-XS
X03	1	Hot Dog Cart	To Be Verified	To Be Verified
X04	2	3-Door Reach-In Refrigerator	True	T-72
X05	1	Vacuum Packing Machine	Waring	WCV300
X07	1	3-Door Work Top Refrigerator	Everest	ETBR3
X08	1	Wok Range	American Range	ARCR-31
X09	2	36"W Refrigerated Base	Everest	ECB36D2
X10	1	Coffee Brewer	BUNN	To Be Verified
X11	2	20-qt Mixer	Vollrath	40757
X12	1	Ice Machine	Scotsman Ice	C0330MA-1D
X12.1	1	Ice Bin	Scotsman	B330P
X13	8	Ingredient Bin	To Be Verified	To Be Verified
X14	1	Worktop Refrigerator	True	TWT-72-HC
X15	1	5 Qt. Mixer	KitchenAid	To Be Verified
X16	1	Countertop Induction Range	Winco	ECIS-18C
X17	1	Countertop Induction Range	Globe	GIR18
X18	1	60 Qt. Mixer	Eurodib	M60A
X19	1	20-qt Mixer	Presto	To Be Verified
X20	1	Wood Top Tool Cabinet	To Be Verified	To Be Verified
X21	1	Refrigerated Prep Table	Delfield	448N-12
X22	1	Refrigerator, Reach-In, Glass Door	Beverage-Air	HBR27HC-1-HG
X23	1	3-Tier Hydroponics Unit (66" x 33 x 81")	To Be Verified	To Be Verified
X24	2	Holding and Transport Cabinet	Vulcan	VHFA18
X25	1	Dough Divider (18-1/4" x 21-1/2" x 67")	Dutchess	To Be Verified
X26	1	Can Rack (25-3/4" x 24" x 33-1/2")	To Be Verified	To Be Verified
X27	1	Can Rack (26-1/2" x 38" x 82-1/2")	To Be Verified	To Be Verified
X28	1	Food Processor	To Be Verified	To Be Verified

NOTE: THIS PLAN IS FOR REFERENCE OF SALVAGED EQUIPMENT ONLY



1 FOODSERVICE DEMOLITION PLAN (KAPLAN CATERING)
1/4" = 1'-0"

EXISTING RELOCATED / DISCARDED FOODSERVICE EQUIPMENT

1. MECHANICAL DATA SHOWN FOR EXISTING / RELOCATED EQUIPMENT IS FOR REFERENCE ONLY. ALL EXISTING / RELOCATED EQUIPMENT, ELECTRICAL AND PLUMBING ROUGH-IN DATA MUST BE VERIFIED IN FIELD BY ELECTRICIAN AND PLUMBER.
2. EXISTING UTILITY CONNECTIONS REMAINING FROM DISCARDED FOODSERVICE EQUIPMENT THAT WILL NO LONGER BE REQUIRED SHALL BE CAPPED IN AN APPROPRIATE MANNER BY THE RESPECTIVE TRADES.
3. IT SHALL BE THE RESPONSIBILITY OF THE F.S.E.C. TO SWEEP CLEAN SPACE OF REMOVED EQUIPMENT, DEBRIS AND DISPOSE OF FOR SAFETY AND FUTURE USE OF CLEANED AREA

DEMOLITION NOTES

1. ELECTRICIAN / PLUMBER / HVAC CONTRACTOR TO TIE BACK SERVICES FOR ITEMS REMOVED. [AS REQUIRED BY LOCAL CODE]
2. WHERE POSSIBLE, ALL SERVICES FOR EQUIPMENT TO BE REMOVED SHOULD BE RE-USED FOR NEW EQUIPMENT ITEMS BEFORE NEW SERVICES ARE INSTALLED.
3. RECLAMATION OF FREON FOR ALL EXISTING FOODSERVICE EQUIPMENT ITEMS TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE REFRIGERATION CONTRACTOR.

LINE TYPE LEGEND

EXISTING EQUIPMENT TO BE RELOCATED
EXISTING EQUIPMENT TO BE DEMOLISHED

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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: FOODSERVICE EQUIPMENT DEMOLITION PLAN
SHEET NUMBER: FS-200

BID SET

DRAWN BY: K X
CHECKED BY: K A
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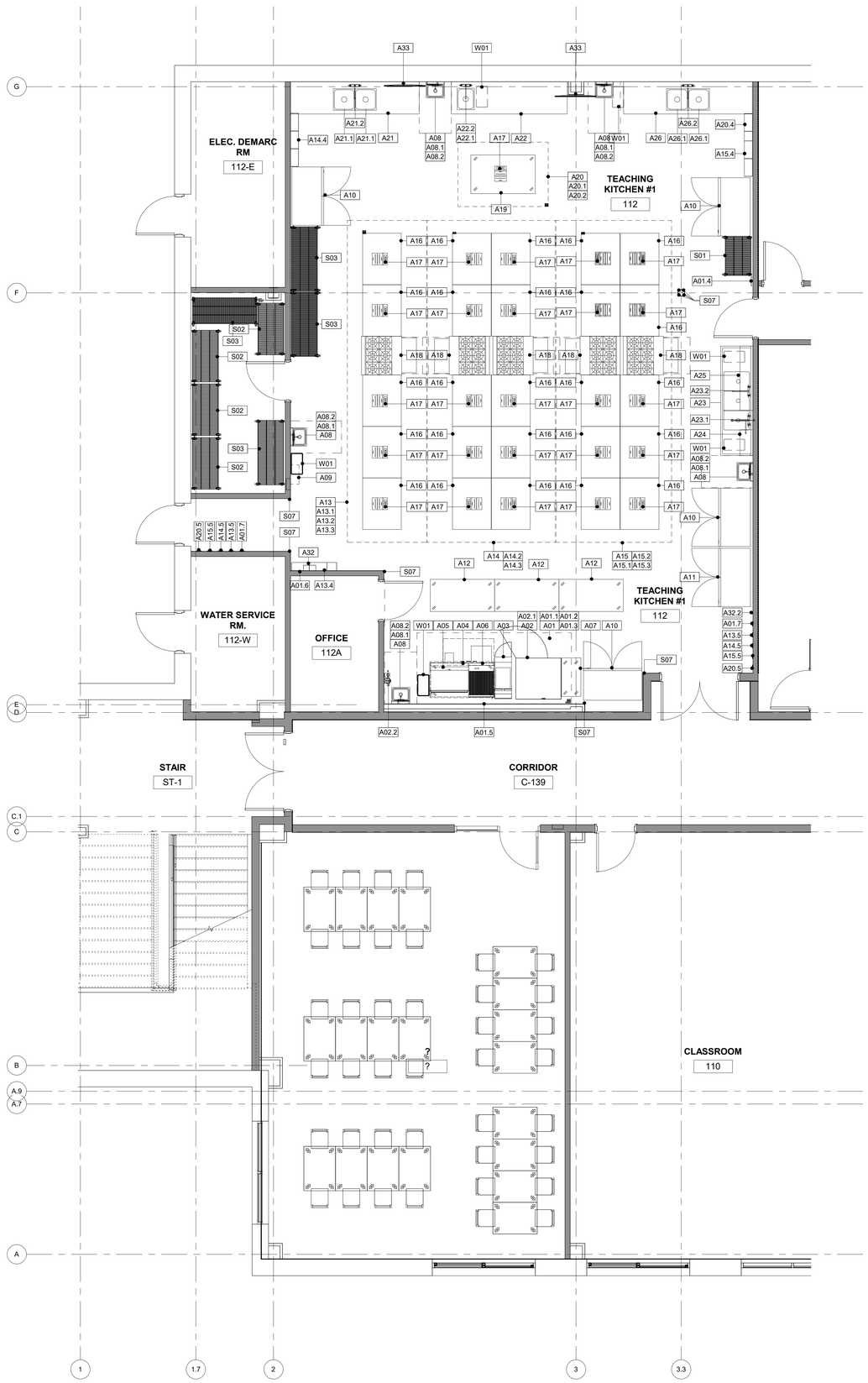

1 FOODSERVICE EQUIPMENT PLAN - KITCHEN #1
1/4" = 1'-0"

LINE TYPE LEGEND

- EXISTING EQUIPMENT TO BE RELOCATED
- EXISTING EQUIPMENT TO BE DEMOLISHED

COOLER/FREEZER CONDENSING UNIT

B11.4 B12.4 F16.5

F17.3 F18.3 F19.3

NOTE:
FOR ROOF LOCATION OF COOLER/FREEZER CONDENSER UNITS, REFERENCE ARCHITECTURAL AND MEP CONTRACT DRAWINGS.

UNLESS OTHERWISE SPECIFIED OR NOTED ON MEP EQUIPMENT SCHEDULE SUPPLYING, HOISTING AND INSTALLATION OF COOLER/FREEZER CONDENSER UNITS IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL COORDINATE PURCHASING WITH THE FOODSERVICE EQUIPMENT CONTRACTOR.

EXHAUST FAN / MAKE-UP AIR UNIT

A30 A30.1 — A31 A31.1

E19 E19.1 — E20 E20.1

B18 B18.1 — B19 B19.1

NOTE:
FOR ROOF LOCATION OF EXHAUST FANS & MAKE-UP AIR UNITS, REFER TO ARCHITECTURAL AND MEP CONTRACT DRAWINGS.

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TO ENSURE BOTH ARE COMPATIBLE WITH THE ENERGY MANAGEMENT SYSTEM (IF ONE IS SPECIFIED).

NOTE: ALL REQUIRED FOODSERVICE-RELATED SIGNAGE, MARKETING PARAPHERNALIA, ETC. SHALL BE PROVIDED BY THE FOOD SERVICE MANAGEMENT COMPANY AND/OR THE OWNER FOR INSTALLATION BY THE GENERAL CONTRACTOR.

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SED #: 50-90-00-00-0-044-001

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WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
FOODSERVICE EQUIPMENT PLAN - KITCHEN #1

SHEET NUMBER:
FS-300

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/Author
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PROJECT NUMBER: 2333403.01

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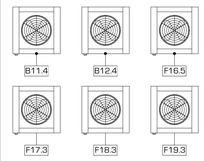
1 FOODSERVICE EQUIPMENT PLAN - KITCHEN #2 & 3
1/4" = 1'-0"

COOLER/FREEZER CONDENSING UNIT



NOTE:
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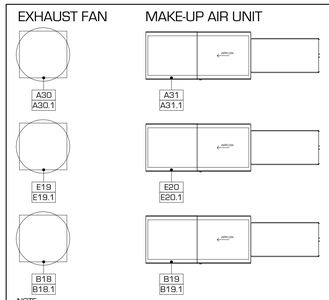
EXHAUST FAN / MAKE-UP AIR UNIT



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SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: FOODSERVICE EQUIPMENT PLAN - KITCHEN #2&3
SHEET NUMBER: FS-301

BID SET

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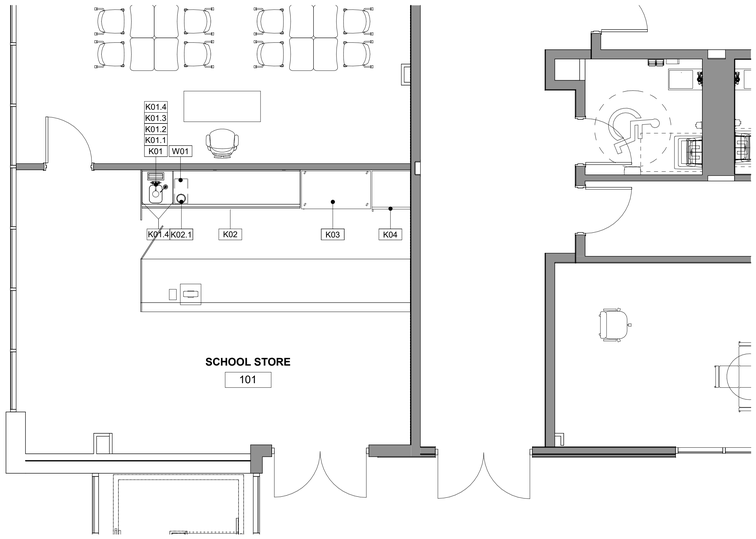

1 FOODSERVICE EQUIPMENT PLAN - SCHOOL STORE
1/4" = 1'-0"

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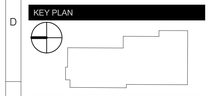
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
FOODSERVICE EQUIPMENT PLAN - SCHOOL STORE

SHEET NUMBER:
FS-302

BID SET

DRAWN BY: JA/DV
CHECKED BY: Author
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Foodservice M.E.P. Equipment Schedule - A

Item #	Qty	Equipment Description	Remarks	Existing To Remain	Existing To Be Relocated	Existing to Be Reinstalled	Existing To Be Modified	Supplied By F.S.E.C.	Supplied By F.S. Operator	Supplied By Owner	Supplied By Vendor	Supplied By G.C.	Supplied By E.C.	Supplied By P.C.	Supplied By H.V.A.C.C./M.C.	Wall Blocking By G.C.	Factory Start Up Required	Manufacturer	Model	JB (Direct)	SR (Plug)	Data/Telephone	Volts	Phase	FL Amps	Watts	HP	Plug Configuration (NEMA)	Elec Conn Rl Height (A.F.F.)	Remote On/Off Switch By E.C. Interwire w/ Building Fire Alarm System By E.C.	Electrical Remarks	Cold Water Size	Cold Water Rl Height	Filtered Water Required	Hot Water Size	Hot Water Rl Height	Water Quick Disconnect Hose By F.S.E.C.	Direct Waste Size	Direct Waste Rl Height	Indirect Waste Size	Gas Size	Gas Rl Height	Gas Input (BTUs)	Gas Quick Disconnect Hose By F.S.E.C.	Plumbing Remarks
A01	1	Exhaust Hood	w/ Lights, Hood Supports By Hood Installer					X										Halton	KVE	X		X	120.00 V	1	1.20 A				8' - 8"		E.C. To Interwire w/ Item #A32															
A01.1	2	Make Up Air Diffuser						X										Halton	KCD																										
A01.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																										
A01.3	1	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"		E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #A32															
A01.4	1	Wall-Mounted Manual Hood Filter Removal Tool						X									X	Halton	To Be Determined																										
A01.5	1	S/S Wall Panels						X										Custom	Custom																										
A01.6	1	Wall-Mounted Fire Suppression System	For Item # A01					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"		E.C. To Interwire w/ Item #A32 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings															
A01.7	2	Wall-Mounted Remote Pull Station						X										Halton	Custom	X											E.C. To Provide Empty JB Per STD DTL 5.10															
A02	1	Double-Stack Gas Combi Oven	w/ Mobile Stacking Kit					X									X	Rational	ICP 6-FULL/6-FULL NG	X		X	208.00 V	1	4.33 A	900 W			1' - 6"		15A Breaker Required	3/4"	1' - 0"	X			X			2"	3/4"	1' - 0"	106,500 Btu/h	X	P.C. To Pipe To Floor Sink, F.W. From Item #A02.2
A02.1	1	Additional Utility Information For Top Compartment						X									X	Rational	Custom	X		X	208.00 V	1	4.33 A	900 W			5' - 0"		15A Breaker Required	3/4"	4' - 0"	X			X			2"	3/4"	4' - 0"	106,500 Btu/h	X	P.C. To Pipe To Floor Sink, F.W. From Item #A02.2
A02.2	1	Water Filter						X								X	X	Rational	1900.1150US													3/4"	7' - 0"											F.W. To Item# A02, A02.1
A03	1	Pasta Cooker						X									X	Omcan	47714													1/2"	1' - 6"						1"	1/2"	1' - 0"	70,000 Btu/h	X	P.C. To Pipe To Floor Sink
A04	1	Refrigerated Equipment Stand	w/ Casters					X										Atosa	MGF8452GR		X		115.00 V	1	2.30 A	264.5 W	1/7	5-15P	1' - 6"															
A05	1	36"W Countertop Gas Griddle	w/ 4" Legs					X										Star	636TF																				3/4"	3' - 0"	84,900 Btu/h	X	
A06	1	24"W Countertop Gas Charbroiler	w/ 2" Legs					X										Turbo Air	TARB-24																				3/4"	3' - 0"	60,000 Btu/h	X	
A07	1	S/S Mobile Work Table						X										BK Resources	SVTOB-1836																									
A08	5	Wall-Mounted S/S Hand Sink	w/ Faucet, Wrist Handles, & Side Splashes					X									X	BK Resources	BKHS-D-SS-SS-P-G													1/2"	1' - 6"		1/2"	1' - 6"		1 1/2"	1' - 6"					
A08.1	5	Wall-Mounted Soap Dispenser									X						X	To Be Determined	To Be Determined																									
A08.2	5	Wall-Mounted Paper Towel Dispenser										X					X	Georgia Pacific	59488A																									
A09	1	Bug Light									X						X	To Be Determined	To Be Determined		X		120.00 V	1	5.00 A	600 W		5-15P	7' - 0"		E.C. To Verify Electrical Requirements													
A10	4	Reach-In Refrigerator	w/ Casters					X										Atosa	MBF8005GR		X		115.00 V	1	3.20 A	368 W	1/5	5-15P	6' - 8"															
A11	1	Reach-In Freezer	w/ Casters					X										Arctic Air	AF49		X		115.00 V	1	12.00 A	1380 W	1	5-15P	1' - 6"															
A12	3	S/S Mobile Work Table	w/ Undershelf					X										BK Resources	SVT-6030																									
A13	1	Exhaust Hood	Hood Supports By Hood Installer					X										Halton	KVW	X		X	120.00 V	1	2.64 A				8' - 8"		E.C. To Interwire w/ Item #A32															
A13.1	4	Make Up Air Diffuser						X										Halton	KCD																										
A13.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																										
A13.3	1	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"		E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #A32															
A13.4	1	Wall-Mounted Fire Suppression System	For Items # A01, A13					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"		E.C. To Interwire w/ Item #E21 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings															
A13.5	2	Wall-Mounted Remote Pull Station						X										Halton	Custom	X											E.C. To Provide Empty JB Per STD DTL 5.10															
A14	1	Exhaust Hood	Hood Supports By Hood Installer					X										Halton	KVE	X		X	120.00 V	1	2.64 A				8' - 8"		E.C. To Interwire w/ Item #A32															
A14.1	1	Spare Number																																										
A14.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																										
A14.3	2	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"		E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #A32															
A14.4	1	Wall-Mounted Fire Suppression System	For Item #A14					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"		E.C. To Interwire w/ Item #A32 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings															
A14.5	2	Wall-Mounted Remote Pull Station						X										Halton	Custom	X											E.C. To Provide Empty JB Per STD DTL 5.10															
A15	1	Exhaust Hood	Hood Supports By Hood Installer					X										Halton	KVE	X		X	120.00 V	1	2.64 A				8' - 8"		E.C. To Interwire w/ Item #A32															
A15.1	1	Make Up Air Diffuser						X										Halton	KCD																										
A15.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																										
A15.3	2	Modulating Damper						X										Halton	Custom	X			120.00 V	1	15.00 A	1800 W			8' - 8"		E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #A32															
A15.4	1	Wall-Mounted Fire Suppression System	For Items #A15					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"		E.C. To Interwire w/ Item #A32 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings															
A15.5	2	Wall-Mounted Remote Pull Station						X										Halton	Custom	X											E.C. To Provide Empty JB Per STD DTL 5.10															
A16	25	Mobile Counter						X										BK Resources	CST-3648HL																										
A17	26	Countertop Induction Range						X										Globe	GIR18		X		120.00 V	1	15.00 A	1800 W		5-15P	1' - 6"															
A18	5	36"W Gas Range w/ Oven Base	w/ Casters					X										Turbo Air	TAR-6																						3/4"	1' - 0"	227,000 Btu/h	X	
A19	1	Mobile Work Table	w/ Undershelf					X										BK Resources	CVT-6036																									
A20	1	Exhaust Hood	Hood Supports By Hood Installer					X										Halton	KVE	X		X	120.00 V	1	1.08 A				8' - 8"		Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #A32															
A20.1	4	Make Up Air Diffuser						X										Halton	KCD																										
A20.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																										
A20.3	1	Spare Number																																										
A20.4	1	Wall-Mounted Fire Suppression System	For Item #A20					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"		E.C. To Interwire w/ Item #A32 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings															
A20.5	2	Wall-Mounted Remote Pull Station						X										Halton	Custom	X											E.C. To Provide Empty JB Per STD DTL 5.10															
A21	1	S/S Work Table	w/ Backsplash, Left Side Splash, & 36" Partial Undershelf					X										John Boos	ST6R5-30120SSK																									
A21.1	2	Welded-In S/S Sink (20" x 20" x 12")	w/ Twist Drain & Overflow					X										John Boos	CUT2020126																				2"				P.C. To Pipe (2) I.W. To Floor Sink
A21.2	1	Deck-Mounted Faucet w/ Swing Spout						X										T&S Brass	5F-8DLX16													1/2"	1' - 0"	1/2"	1' - 0"								
A22	1	S/S Work Table	w/ Backsplash, 84" Partial Undershelf & Right Side Splash					X										John Boos	ST6R5-30108SSK																									
A22.1	1	Weld-In S/S Rinse Sink (16" x 20" x 14")	w/ Twist Drain					X										John Boos	CUT1620146																				2"				P.C. To Pipe To Floor Sink
A22.2	1	Deck-Mounted Faucet w/ Swing Spout						X										T&S Brass	B-1123-CR													1/2"	1' - 0"	1/2"	1' - 0"								
A23	1	3-Compartment Sink						X										BK Resources	BKS-3-1824-14-24TS																				2"				(3) Indirect Waste Required. P.C. To Pipe To Floor Sink
A23.1	1	Splash-Mounted Pre-Rinse Faucet	w/ Wall Bracket					X									X	T&S Brass	B-0133-12ACBJST													1/2"	1' - 0"	1/2"	1' - 0"								
A23.2	1	Splash-Mounted Faucet w/ Swing Spout						X										T&S Brass	5F-8WLX14													1/2"	1' - 0"	1/2"	1' - 0"								
A24	1	Wall Shelf						X									X	BK Resources	BKWS-1224																									
A25	1	Wall Shelf w/ Pot Rack						X									X	BK Resources	BKWS-1260-PR																									
A26	1	S/S Work Table	w/ Backsplash, Right Side Splash, & 36" Partial Undershelf					X										John Boos	ST6R5-30120SSK																									
A26.1	2	Welded-In S/S Sink (20" x 20" x 12")	w/ Twist Drain & Overflow					X										John Boos	CUT2020126																				2"				P.C.To Pipe (2) I.W. To Floor Sink
A26.2	1	Deck-Mounted Faucet w/ Swing Spout						X										T&S Brass	5F-8DLX16													1/2"	1' - 0"	1/2"	1' - 0"								

GAS TYPE LEGEND:

- NATURAL GAS
- LIQUID PROPANE
- TO BE DETERMINED

SEE DRAWING #FS-500 FOR C.K.V. MECHANICAL INFORMATION.

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: FOODSERVICE EQUIPMENT M.E.P. SCHEDULE
SHEET NUMBER: FS-350

BID SET

DRAWN BY: JN/DV
CHECKED BY: JN/DV
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - 2023/1504_Rockland BOCES NY_FS.rvt
6/12/2025 11:48:02 AM

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Foodservice M.E.P. Equipment Schedule - B

Item #	Qty	Equipment Description	Remarks	Existing To Remain	Existing To Be Relocated	Existing to Be Reinstalled	Existing To Be Modified	Supplied By F.S.E.C.	Supplied By F.S. Operator	Supplied By Owner	Supplied By Vendor	Supplied By G.C.	Supplied By E.C.	Supplied By P.C.	Supplied By H.V.A.C.C./M.C.	Wall Blocking By G.C.	Factory Start Up Required	Manufacturer	Model	JB (Direct)	SR (Plug)	Data/Telephone	Volts	Phase	FL Amps	Watts	HP	Plug Configuration (NEMA)	Elec Conn Rl Height (A.F.F.)	Remote On/Off Switch By E.C.	Interwire w/ Building Fire Alarm System By E.C.	Electrical Remarks	Cold Water Size	Cold Water Rl Height	Filtered Water Required	Hot Water Size	Hot Water Rl Height	Water Quick Disconnect Hose By F.S.E.C.	Direct Waste Size	Direct Waste Rl Height	Indirect Waste Size	Gas Size	Gas Rl Height	Gas Input (BTUs)	Gas Quick Disconnect Hose By F.S.E.C.	Plumbing Remarks
A27	1	Spare Number																																										
A28	1	Spare Number																																										
A29	1	Spare Number																																										
A30	1	Exhaust Fan													X			Custom	Custom																									
A30.1	1	(Lot) Exhaust Air Ductwork													X			Custom	Custom																									
A31	1	Make Up Air Fan													X			Custom	Custom																									
A31.1	1	(Lot) Make Up Air Ductwork													X			Custom	Custom																									
A32	1	Fan Control System (Demand Control Ventilaton)	For Items # A01, A13, A14, A15, & A20					X									X	Halton	M.A.R.V.E.L. Basic 2	X		X	120.00 V	1	15.00 A				7' - 0"		X	w/ Cat 6 Cable, E.C. To Verify Rough-In Height, Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings															
A32.1	1	Spare Number																																									
A32.2	1	Wall-Mounted Room Temperature Sensor	Part Of Item #A32 (Fan Control System)					X										Halton	To Be Determined			X																						
A33	2	Wall-Mounted Digital Display Monitor	Installed by GC						X							X		newline	TT-6521Q		X	X	120.00 V	1	5.00 A	600 W			5' - 0"			E.C. To Verify Electrical Requirements													
B01	1	Wall-Mounted S/S Hand Sink	w/ Faucet, Wrist Handles, & Side Splashes					X								X		BK Resources	BKHS-D-SS-SS-P-G															1/2"	1' - 6"	1/2"	1' - 6"		1 1/2"	1' - 6"					
B01.1	1	Wall-Mounted Soap Dispenser									X							To Be Determined	To Be Determined																									
B01.2	1	Wall-Mounted Paper Towel Dispenser										X				X		Georgia Pacific	59488A																									
B02	1	Exhaust Hood						X										Halton	KVE	X		X	120.00 V	1	1.68 A				8' - 8"			Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #B20													
B02.1	1	Spare Number																																									
B02.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																									
B02.3	1	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"			E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #B20													
B02.4	1	Wall-Mounted Fire Suppression System	For Item #B02					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"			E.C. To Interwire w/ Item #B20 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings													
B02.5	2	Wall-Mounted Remote Pull Station						X										Halton	Custom														E.C. To Provide Empty JB Per STD DTL 5.10													
B03	1	Exhaust Hood						X										Halton	KVE	X		X	120.00 V	1	1.68 A				8' - 8"			Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #B20													
B03.1	1	Spare Number																																									
B03.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																									
B03.3	2	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"			E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #B20													
B03.4	1	Wall-Mounted Fire Suppression System	For Item #B03					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"			E.C. To Interwire w/ Item #B20 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings													
B03.5	2	Wall-Mounted Remote Pull Station						X										Halton	Custom														E.C. To Provide Empty JB Per STD DTL 5.10													
B04	1	Exhaust Hood						X										Halton	KVE	X		X	120.00 V	1	1.68 A				8' - 8"			Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #B20													
B04.1	1	Make Up Air Diffuser	Hood Supports By Hood Installer					X										Halton	KCD																									
B04.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																									
B04.3	1	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"			E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #B20													
B04.4	1	Wall-Mounted Fire Suppression System	For Item #B04					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"			E.C. To Interwire w/ Item #B20 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings													
B04.5	2	Wall-Mounted Remote Pull Station						X										Halton	Custom														E.C. To Provide Empty JB Per STD DTL 5.10													
B05	12	Mobile Counter						X										BK Resources	CST-3648HL																									
B06	14	Countertop Induction Range						X										Globe	GIR18		X		120.00 V	1	15.00 A	1800 W		5-15P	1' - 6"															
B07	2	Mobile Work Table	w/ Undershelf					X										BK Resources	CVT-6036																									
B08	1	S/S Work Table	w/ Drawer					X										John Boos	ST6R5-3072SSK																									
B08.1	1	Weld-In S/S Rinse Sink (16" x 20" x 14")	w/ Twist Drain & Overflow					X										John Boos	CUT1620146																					2"				P.C. Pipe to Floor Sink
B08.2	1	Deck-Mounted Faucet w/ Swing Spout						X										T&S Brass	B-1123-CR															1/2"	1' - 0"	1/2"	1' - 0"							
B09	1	Wall-Mounted Digital Display Monitor	Installed by GC						X							X		newline	TT-8623QA		X	X	120.00 V	1	5.00 A	600 W			6' - 0"			E.C. To Verify Electrical Requirements													
B10	1	Exhaust Hood						X										Halton	KVW	X		X	120.00 V	1	15.00 A				8' - 8"			Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #B20													
B10.1	4	Make Up Air Diffuser	Hood Supports By Hood Installer					X										Halton	KCD																									
B10.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																									
B10.3	1	Spare Number																																									
B10.4	1	Wall-Mounted Manual Hood Filter Removal Tool						X										Halton	To Be Determined																									
B10.5	1	Wall-Mounted Fire Suppression System	For Item #B10					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"			E.C. To Interwire w/ Item #B20 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings													
B10.6	2	Wall-Mounted Remote Pull Station						X										Halton	Custom														E.C. To Provide Empty JB Per STD DTL 5.10													
B11	1	Walk-In Cooler						X										Amerikooler	Custom	X			115.00 V	1	2.20 A				9' - 0"															
B11.1	1	Strip Curtains						X										Himi	FC1000																									
B11.2	1	(Lot) S/S Closure Panels						X										Amerikooler	Custom																									
B11.3	1	Cooler Evaporator Coil						X										ColdZone	CL6A094ADA	X			115.00 V	1	1.60 A	184 W			8' - 0"			E.C. To Verify Rough-In Height, See Mfr's Detail Drawings							3/4"				P.C. To Pipe To Floor Drain
B11.4	1	Compressor	Install & Mount In Curb by HVAC					X										ColdZone	CFO130E4SEA	X			208.00 V	3	15.00 A	5400 W	1		0' - 6"			E.C. To Interwire Interlock Relay. Verify Rough-In Height													
B12	1	Walk-In Freezer						X										Amerikooler	Custom	X			115.00 V	1	2.20 A				9' - 0"															
B12.1	1	Strip Curtains						X										Himi	FC1000																									
B12.2	1	Freezer Evaporator Coil						X										ColdZone	CL6E105DDA	X			208.00 V	1	10.80 A	2246.4 W			8' - 0"			E.C. To Verify Rough-In Height, See Mfr's Detail Drawings							3/4"				P.C. To Pipe To Floor Drain
B12.3	1	Drain Line Heater	By Refrigeration Contractor					X										Custom	Custom	X			120.00 V	1	15.00 A	1800 W			8' - 0"			E.C. To Verify Rough-In Height, See Mfg. Detail Drawings													
B12.4	1	Compressor	Install & Mount In Curb by HVAC					X										ColdZone	CFO300L4SEA	X			208.00 V	3	15.00 A	5400 W	3		0' - 6"			E.C. To Interwire Interlock Relay. Verify Rough-In Height													
B13	1	Reach-In Refrigerator						X										Atosa	MBF8005GR		X		115.00 V	1	3.20 A	368 W	1/5	5-15P	6' - 8"															
B14	1	Bug Light								X				X				To Be Determined	To Be Determined		X		120.00 V	1	5.00 A	600 W		5-15P	7' - 0"			E.C. To Verify Electrical Requirements													
B15	1	Spare Number																																									
B16	1	Spare Number																																									
B17	1	Spare Number																																									
B18	1	Exhaust Fan													X			Custom	Custom																									
B18.1	1	(Lot) Exhaust Air Ductwork													X			Custom	Custom																									
B19	1	Make Up Air Fan													X			Custom	Custom																									
B19.1	1	(Lot) Make Up Air Ductwork													X			Custom	Custom																									
B20	1	Fan Control System (Demand Control Ventilaton)	For Items # B03, B04, B05, B10, C02, C17					X										Halton	M.A.R.V.E.L. Basic 2	X		X	120.00 V	1	15.00 A				7' - 0"		X	w/ Cat 6 Cable, E.C. To Verify Rough-In Height, Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings													
B20.1	1	Wall-Mounted Room Temperature Sensor	Part Of Item #B21 (Fan Control System)					X										Halton	To Be Determined			X																						
B20.2	1	Spare Number																																									

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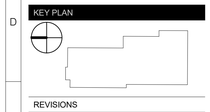
ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME: FOODSERVICE EQUIPMENT M.E.P. SCHEDULE
SHEET NUMBER: FS-351

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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6/12/2025 11:48:04 AM

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Foodservice M.E.P. Equipment Schedule - C-D

Item #	Qty	Equipment Description	Remarks	Existing To Remain	Existing To Be Relocated	Existing to Be Reinstalled	Existing To Be Modified	Supplied By F.S.E.C.	Supplied By F.S. Operator	Supplied By Owner	Supplied By Vendor	Supplied By G.C.	Supplied By E.C.	Supplied By P.C.	Supplied By H.V.A.C.C./M.C.	Wall Blocking By G.C.	Factory Start Up Required	Manufacturer	Model	JB (Direct)	SR (Plug)	Data/Telephone	Volts	Phase	FL Amps	Watts	HP	Plug Configuration (NEMA)	Elec Conn Rl Height (A.F.F.)	Remote On/Off Switch By E.C.	Interwire w/ Building Fire Alarm System By E.C.	Electrical Remarks	Cold Water Size	Cold Water Rl Height	Filtered Water Required	Hot Water Size	Hot Water Rl Height	Water Quick Disconnect Hose By F.S.E.C.	Direct Waste Size	Direct Waste Rl Height	Indirect Waste Size	Gas Size	Gas Rl Height	Gas Input (BTUs)	Gas Quick Disconnect Hose By F.S.E.C.	Plumbing Remarks
C01	2	Wall-Mounted S/S Hand Sink	w/ Faucet, Wrist Handles, & Side Splashes					X								X		BK Resources	BKHS-D-SS-SS-P-G													1/2"	1' - 6"		1/2"	1' - 6"		1 1/2"	1' - 6"						
C01.1	2	Wall-Mounted Soap Dispenser								X						X		To Be Determined	To Be Determined																									
C01.2	2	Wall-Mounted Paper Towel Dispenser									X					X		Georgia Pacific	59488A																									
C02	1	Exhaust Hood	w/ Lights, Hood Supports By Hood Installer					X										Halton	KVE	X		X	120.00 V	1	1.44 A				8' - 8"			Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #B20												
C02.1	1	Make Up Air Diffuser	Hood Supports By Hood Installer					X										Halton	KCD																									
C02.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																									
C02.3	1	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"			E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #B20												
C02.4	1	S/S Wall Panels						X										Custom	Custom																									
C02.5	1	Wall-Mounted Fire Suppression System	For Item #C02					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"			E.C. To Interwire w/ Item #B20 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings												
C02.6	2	Wall-Mounted Remote Pull Station						X										Halton	Custom																									
C03	1	Double-Stack Gas Combi Oven	w/ Stacking Kit & Casters					X									X	Rational	ICP 6-FULL/6-FULL NG	X		X	208.00 V	1	4.33 A	900 W			1' - 6"			15A Breaker Required	3/4"	1' - 6"	X			X			2"	3/4"	1' - 0"	106,500 Btu/h	X	P.C. To Pipe To Floor Sink, F.W. From Item #C04.2
C03.1	1	Additional Utility Information For Top Compartment						X										Rational	Custom	X		X	208.00 V	1	4.33 A	900 W			5' - 0"			15A Breaker Required	3/4"	4' - 0"	X			X			2"	3/4"	4' - 0"	106,500 Btu/h	X	P.C. To Pipe To Floor Sink, F.W. From Item #C04.2
C03.2	1	Water Filter						X								X		Rational	1900.1150US																									F.W. To Item# C04, C04.1
C04	1	2-Battery Gas Fryer w/ Filtration System	w/ Casters					X									X	Imperial	IFSCB250		X		115.00 V	1	6.80 A		1/3	5-15P	1' - 6"												3/4"	3' - 0"	280,000 Btu/h	X	
C04.1	1	Heat Lamp	For Dump Station					X										Imperial			X								4' - 0"																
C05	3	36"W Countertop Gas Griddle	w/ 4" Legs					X									X	Imperial Range	ITG-36		X																						3/4"	3' - 0"	90,000 Btu/h	X	
C06	2	Refrigerated Equipment Stand	w/ Casters					X										Atosa	MGF8448GR		X		115.00 V	1	2.30 A	264.5 W	1/7	5-15P	1' - 6"																
C07	2	36"W Gas Range w/ Convection Oven						X										American Range	AR-6-C																						3/4"	3' - 0"	222,000 Btu/h	X	
C08	1	Reach-In Refrigerator	w/ Casters					X										Atosa	MBF8005GR		X		115.00 V	1	3.20 A	368 W	1/5	5-15P	6' - 8"																
C09	2	Mobile Heated Holding Cabinet						X										Carter-Hoffman	HL3-18		X		120.00 V	1	15.00 A	1750 W		5-20P				Power From Item #C24													
C09.1	1	Mobile Heated Holding Cabinet						X										Carter-Hoffman	HL3-18		X		120.00 V	1	15.00 A	1750 W		5-20P				Power From Outlet Mounted to Underside Of Item #C13													
C10	1	S/S Mobile Work Table						X										BK Resources	SVTOB-1836																									
C11	1	Work Top Refrigerator	w/ 2" Casters					X										Atosa	MGF8403GR		X		115.00 V	1	2.80 A	322 W	1/5	5-15P	1' - 6"			Power From Item #C24													
C12	1	Heat Lamp	Mounted to Underside of Top Shelf of Item# C13.1					X										Hatco	GRAIH-72	X			120.00 V	1	14.40 A	1725 W			5' - 6"	X															
C13	1	S/S Work Table	w/ Tool Drawer & 48" Partial Undershelf					X										John Boos	ST63696SSK																									
C13.1	1	Table-Mounted Double Overshelf						X										John Boos	OSE26FK-1296																									
C13.2	1	Weld-In S/S Rinse Sink (16" x 20" x 14")	w/ Twist Drain & Overflow					X										BK Resources	BKFB-1620-12-16																							1 1/2"					P.C. To Pipe (2) I.W. To Floor Sink
C13.3	1	Deck-Mounted Faucet w/ Swing Spout						X										T&S Brass	B-1123-CR															1/2"	1' - 0"		1/2"	1' - 0"							
C13.4	4	Ticket Rail						X										Admiral Craft	CM-36																									
C14	1	Work Top Refrigerator	w/ Casters					X										Atosa	MGF8403GR		X		115.00 V	1	2.80 A	322 W	1/5	5-15P	1' - 6"			Junction Box To Be Mounted To Underside of Item #C15													
C15	1	S/S Work Table	w/ Open Base					X										John Boos	ST6-36144SBK																									
C16	1	Refrigerated Prep Table						X										Hoshizaki	SR36B-15M		X		115.00 V	1	2.30 A	264.5 W	1/5	5-15P	1' - 6"																
C17	1	Exhaust Hood						X										Halton	KVW	X		X	120.00 V	1	1.68 A				8' - 8"			Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #B20												
C17.1	4	Make Up Air Diffuser	Hood Supports By Hood Installer					X										Halton	KCD																									
C17.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																									
C17.3	1	Spare Number																																										
C17.4	1	Wall-Mounted Fire Suppression System	For Item #C17					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"			E.C. To Interwire w/ Item #B20 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings												
C17.5	2	Wall-Mounted Remote Pull Station						X										Halton	Custom														E.C. To Provide Empty JB Per STD DTL 5.10												
C18	1	Refrigerated Equipment Stand	w/ Casters					X										Atosa	MGF8452GR		X		115.00 V	1	2.30 A	264.5 W	1/7	5-15P	1' - 6"																
C19	1	24"W Countertop Gas Charbroiler	w/ 2" Legs					X										Turbo Air	TARB-24																								3/4"	3' - 0"	60,000 Btu/h	X	
C20	1	Countertop Dump Station						X										Hatco	GRFFB		X		120.00 V	1	6.30 A	750 W		5-15P	1' - 6"																
C21	1	Gas Fryer	w/ Casters					X										Imperial	IFS-40																								3/4"	3' - 0"	105,000 Btu/h	X	
C22	1	Undercounter Freezer	w/ Casters					X										Hoshizaki	EUF27A		X		115.00 V	1	1.20 A	138 W	1/5	5-15P	1' - 6"																
C23	1	S/S Work Table	36x138 w/ 69" Partial Undershelf					X										John Boos	Custom																									
C23.1	2	Welded-In S/S Rinse Sink (24" x 24" x 14")	w/ Twist Drain & Overflow					X										John Boos	CUT2424146																							1 1/2"					P.C. To Pipe To Floor Sink
C23.2	1	Deck-Mounted Faucet w/ Swing Spout						X										T&S Brass	5F-8DLX18															1/2"	1' - 0"		1/2"	1' - 0"							
C24	4	Ceiling-Mounted Drop Cord Reels (5-20R)										X		X				To Be Determined	To Be Determined	X			120.00 V	1	20.00 A	2400 W		5-20R				D.F.A., E.C. To Verify Electrical Requirements													
C25	1	Microwave Oven						X										Amana	RMS10TSA		X		120.00 V	1	13.00 A	1500 W		5-15P	2' - 10"			Junction Box To Be Mounted To Underside Of Item #C10													
C26	1	Ice Maker						X									X	Hoshizaki	KML-500MAJ	X			115.00 V	1	7.60 A	874 W			5' - 0"			2 Wire + Ground	1/2"		X						3/4"					P.C. To Pipe To Floor Sink. F.W. From Item #C26.2
C26.1	1	Ice Bin						X										Hoshizaki	B-500SF																								3/4"					P.C. To Pipe To Floor Sink
C26.2	1	Water Filter						X									X	Hoshizaki	H9320-51															3/8"	7' - 0"												F.W. To Item #C26
C26.3	1	Spare Number																																										
D01	1	3-Compartment Sink	24 "x18"x14" Bowls					X										BK Resources	BKS-3-1824-14-24TS																								2"					(3) Indirect Waste Required. P.C. To Pipe To Floor Sink
D01.1	1	Splash-Mounted Pre-Rinse Faucet	w/ Wall Bracket					X									X	T&S Brass	B-0133-12ACBJST															1/2"	1' - 0"		1/2"	1' - 0"							
D01.2	1	Splash-Mounted Faucet w/ Swing Spout						X										T&S Brass	5F-8WLX14															1/2"	1' - 0"		1/2"	1' - 0"							
D02	1	Wall Shelf						X									X	BK Resources	BKWS-1224																												
D03	1	Wall Shelf w/ Pot Rack						X									X	BK Resources	BKWS-1260-PR																												
D04	2	Wall-Mounted S/S Hand Sink	w/ Faucet, Wrist Handles, & Side Splashes					X									X	BK Resources	BKHS-D-SS-SS-P-G															1/2"	1' - 6"		1/2"	1' - 6"		1 1/2"	1' - 6"						
D04.1	2	Wall-Mounted Soap Dispenser								X						X		To Be Determined	To Be Determined																									
D04.2	2	Wall-Mounted Paper Towel Dispenser									X					X		Georgia Pacific	59488A																									
D04.3	1	Eye Wash Faucet Attachment						X										BK Resources	BK-EWS																									
D05	1	Soiled Dishtable						X										John Boos	SDT4-S72SBK-L																							2"					P.C. To Pipe To Floor Sink
D05.1	1	Splash-Mounted Pre-Rinse Faucet	w/ Wall Bracket					X									X	T&S Brass	B-0133-CR-BJSTK															1/2"	1' - 0"		1/2"	1' - 0"							
D06	1	Ventless Door-Type Dishwasher						X									X	Champion	DH6000T-VHR	X			208.00 V	1	77.00 A	16016 W			5' - 0"			100 Amp Maximum Overcurrent Proection	3/4"	7' - 0"							1 1/2"					
D06.1	1	Drain Water Tempering Kit						X										Champion	Custom															1/2"	1' - 0"											
D06.2	1	Electrical Disconnect Switch										X						To Be Determined	To Be Determined														E.C. To Interwire w/ Item #D06													
D06.3	1	Water Softener						X										Everpure	DEV998053															3/4"	1' - 0"												P.C. To Plumb To Item #G13
D07	1	Clean Dishtable	w/ Side Splash					X										John Boos	CDT4-S84SBK-R																												
D08	1	Wall Shelf						X									X	BK Resources	BKWS-1272																												
D09	1	Tubular Rack Shelf						X									X	BK Resources	BK-TSH-42																												

GAS TYPE LEGEND:

- NATURAL GAS
- LIQUID PROPANE
- TO BE DETERMINED

SEE DRAWING #FS-500 FOR C.K.V. MECHANICAL INFORMATION.

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Construction Manager:

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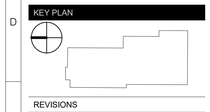
ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: FOODSERVICE EQUIPMENT M.E.P. SCHEDULE
SHEET NUMBER: FS-352

BID SET

DRAWN BY: AJ/DV
CHECKED BY: DV/AJ/MP
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - 4003/15M_Rockland BOCES NY_FS.rvt
6/12/2025 11:48:06 AM

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Foodservice M.E.P. Equipment Schedule - E-F

Item #	Qty	Equipment Description	Remarks	Existing To Remain	Existing To Be Relocated	Existing to Be Reinstalled	Existing To Be Modified	Supplied By: F.S.E.C.	Supplied By: F.S. Operator	Supplied By: Owner	Supplied By: Vendor	Supplied By: G.C.	Supplied By: E.C.	Supplied By: P.C.	Supplied By: H.V.A.C./M.C.	Wall Blocking By: G.C.	Factory Start Up Required	Manufacturer	Model	JB (Direct)	SR (Plug)	Data/Telephone	Volts	Phase	FL Amps	Watts	HP	Plug Configuration (NEMA)	Elec Conn Rl Height (A.F.F.)	Remote On/Off Switch By E.C. Interwire w/ Building Fire Alarm System By E.C.	Electrical Remarks	Cold Water Size	Cold Water Rl Height	Filtered Water Required	Hot Water Size	Hot Water Rl Height	Water Quick Disconnect Hose By F.S.E.C.	Direct Waste Size	Direct Waste Rl Height	Indirect Waste Size	Gas Size	Gas Rl Height	Gas Input (BTUs)	Gas Quick Disconnect Hose By F.S.E.C.	Plumbing Remarks
E01	1	S/S Mobile Work Table						X										BK Resources	SVTOB-1836																							
E02	1	Exhaust Hood						X										Halton	KVE	X		X	120.00 V	1	1.44 A				8' - 8"		Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #E21													
E02.1	3	Make Up Air Diffuser	Hood Supports By Hood Installer					X										Halton	KCD																							
E02.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																							
E02.3	1	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"		E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #E21													
E02.4	1	Wall-Mounted Manual Hood Filter Removal Tool						X										Halton	To Be Determined																							
E02.5	1	S/S Wall Panels						X										Custom	Custom																							
E03	1	Gas Convection Oven	w/ 6" Casters					X										Southbend	TVGS/12SC		X		120.00 V	1	7.90 A	948 W	1/2	5-15P	1' - 6"											1"	1' - 0"	52,000 Btu/h	X	
E04	2	Wall-Mounted S/S Hand Sink	w/ Faucet, Wrist Handles, & Side Splashes					X								X		BK Resources	BKHS-D-SS-SS-P-G													1/2"	1' - 6"	1/2"	1' - 6"		1 1/2"	1' - 6"					
E04.1	2	Wall-Mounted Soap Dispenser									X							To Be Determined	To Be Determined																							
E04.2	2	Wall-Mounted Paper Towel Dispenser										X				X		Georgia Pacific	59488A																							
E05	2	Induction Cookers						X										Equipex	GL2-7000F		X		208.00 V	1	34.00 A	7000 W		6-50P	4' - 0"														
E06	1	Reach-In Freezer	w/ Casters					X										Arctic Air	AF49		X		115.00 V	1	12.00 A	1380 W	1	5-15P	1' - 6"														
E07	1	Reach-In Refrigerator	w/ Casters					X										Atosa	MBF8005GR		X		115.00 V	1	3.20 A	368 W	1/5	5-15P	6' - 8"		Power From Item #E17													
E08	1	Mobile Proofer Cabinet						X										BK Resources	HPC1I		X		120.00 V	1	12.50 A	1500 W		5-15P															
E09	1	Rotating Rack Oven	w/ Rack					X									X	Doyon	SRO1G	X			208.00 V	3	10.00 A	3000 W			8' - 0"		3 Wire + Ground	1/2"	8' - 0"	X					3/4"	1"	8' - 0"	175,000 Btu/h		P.C. To Pipe To Floor Sink, F.W. From Item #E09.2
E09.1	1	Spare Number																																								
E09.2	1	Water Filter						X										Doyon	50-1530													3/4"	2' - 0"										F.W. To Item# E09
E10	2	S/S Work Table	w/ Undershelf					X										BK Resources	CVT-7230																							
E11	2	S/S Work Table	w/ Undershelf					X										BK Resources	CVT-9630																							
E12	1	40 Qt. Mixer						X										Vollrath	40759		X		208.00 V	1	12.00 A	2500 W	1 1/2	6-15P			Power From Item #E17												
E13	1	SS Work Table	30x180 w/ Backsplash, Side Splash					X										John Boos	Custom																							
E13.1	2	Welded-In S/S Sink (20" x 20" x 12")	w/ Twist Drain & Overflow					X										John Boos	CUT2020126																			2"				P.C. To Pipe To Floor Sink
E13.2	1	Deck-Mounted Faucet w/ Swing Spout						X										T&S Brass	5F-8DLX16													1/2"	1' - 0"	1/2"	1' - 0"								
E14	2	Wall Shelf						X								X		BK Resources	BKWS-1272																							
E15	3	Ceiling-Mounted Drop Cord Reels (5-20R)											X					To Be Determined	To Be Determined	X			120.00 V	1	20.00 A	2400 W		5-20R			D.F.A., E.C. To Verify Electrical Requirements												
E16	1	Bug Light										X				X		To Be Determined	To Be Determined		X		120.00 V	1	5.00 A	600 W		5-15P	7' - 0"		E.C. To Verify Electrical Requirements												
E17	3	Ceiling-Mounted Drop Cord Reels (5-20R)											X					To Be Determined	To Be Determined	X			120.00 V	1	20.00 A	2400 W		5-20R			D.F.A., E.C. To Verify Electrical Requirements												
E18	1	Wall-Mounted Fire Suppression System	For Items #E02 & F02					X										Halton	R102	X			120.00 V	1	15.00 A				8' - 8"		E.C. To Interwire w/ Item #E21 (Fan Control System), Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings												
E18.1	2	Wall-Mounted Remote Pull Station						X										Halton	Custom													E.C. To Provide Empty JB Per STD DTL 5.10												
E19	1	Exhaust Fan													X			Custom	Custom																							
E19.1	1	(Lot) Exhaust Air Ductwork													X			Custom	Custom																							
E20	1	Make Up Air Fan													X			Custom	Custom																							
E20.1	1	(Lot) Make Up Air Ductwork													X			Custom	Custom																							
E21	1	Fan Control System (Demand Control Ventilaton)	For Items # E02, F02					X									X	Halton	M.A.R.V.E.L. Basic 2	X		X	120.00 V	1	15.00 A				7' - 0"	X	w/ Cat 6 Cable, E.C. To Verify Rough-In Height, Dedicated Circuit w/ 24 Hour Power, See Mfr's Detail Drawings												
E21.1	1	Spare Number																																								
E21.2	1	Wall-Mounted Room Temperature Sensor	Part Of Item #E21 (Fan Control System)					X										Halton	To Be Determined			X																						
F01	2	Wall-Mounted S/S Hand Sink	w/ Faucet, Wrist Handles, & Side Splashes					X										BK Resources	BKHS-D-SS-SS-P-G													1/2"	1' - 6"	1/2"	1' - 6"		1 1/2"	1' - 6"					
F01.1	2	Wall-Mounted Soap Dispenser									X							To Be Determined	To Be Determined																							
F01.2	2	Wall-Mounted Paper Towel Dispenser										X			X			Georgia Pacific	59488A																							
F02	1	Exhaust Hood						X										Halton	KVE	X		X	120.00 V	1	1.44 A				8' - 8"		Power For Lights, E.C. To Verify Rough-In Height, See Mfr's Detail Drawings, E.C. To Interwire w/ Item #E21													
F02.1	3	Make Up Air Diffuser	Hood Supports By Hood Installer					X										Halton	KCD																							
F02.2	1	(Lot) S/S Closure Panels						X										Halton	Custom																							
F02.3	1	Modulating Damper						X										Halton	Custom	X		X	120.00 V	1	15.00 A	1800 W			8' - 8"		E.C. To Verify Rough-In Height, See Mfg. Detail Drawings, E.C. To Interwire w/ Item #E21													
F02.4	1	S/S Wall Panels						X										Custom	Custom																							
F03	2	Gas Convection Oven						X										Southbend	TVGS/12SC		X		120.00 V	1	7.90 A	948 W	1/2	5-15P	1' - 6"											1"	1' - 0"	52,000 Btu/h	X	
F04	1	36"W Countertop Gas Griddle						X										Star	636TF																					3/4"	3' - 0"	84,900 Btu/h	X	
F05	1	Spare Number																																							
F06	2	36"W Countertop Gas Charbroiler						X										Turbo Air	TARB-36																					3/4"	3' - 0"	90,000 Btu/h	X	
F07	1	Gas Fryer						X										Imperial	IFS-40																					3/4"	3' - 0"	105,000 Btu/h	X	
F07.1	1	Side Splash						X										John Boos	Custom																							
F08	1	Fry Dump	w/ Heat Lamp					X										Imperial	IF-DS		X		120.00 V	1	6.80 A	816 W		5-15P	4' - 0"														
F09	1	Gas Pizza Oven						X									X	Wood Stone	FD-9660-RFGLR-IR	X			120.00 V	1	2.00 A	240 W			1' - 6"											1"	1' - 2"	350,000 Btu/h		
F09.1	1	Exhaust Fan						X										Wood Stone	WS-GSV-014	X			120.00 V	1	2.90 A	350 W			0' - 6"	X	E.C. To Interwire Interlock Relay. Verify Rough-In Height.												
F09.2	1	Direct Vent Ductwork													X			To Be Determined	To Be Determined																							
F10	4	Induction Cookers						X										Equipex	GL2-7000F		X		208.00 V	1	34.00 A	7000 W		6-50P	4' - 0"														
F11	1	Pizza Prep Table	w/ Oversheld					X										Hoshizaki	PR67B		X		115.00 V	1	6.00 A	690 W	1/2	5-15P	1' - 6"		15 Amp Breaker Required												
F12	2	Utility Cart						X										Vollrath	97102																							
F13	12	S/S Mobile Work Table	w/ Undershelf					X										BK Resources	SVT-6030																							
F14	8	Mobile Heated Holding Cabinet						X										Carter-Hoffman	HL3-18		X		120.00 V	1	15.00 A	1750 W		5-20P			Power from Item #F20												
F15	1	Spare Number																																							
F16	1	Walk-In Freezer						X										Amerikooler	Custom	X			115.00 V	1	2.20 A				9' - 0"														
F16.1	1	Strip Curtains						X										Himi	FC1000																							
F16.2	1	(Lot) S/S Closure Panels						X										Amerikooler	Custom																							
F16.3	1	Freezer Evaporator Coil						X										ColdZone	CL6E105DDA	X			208.00 V	1	10.80 A	2246.4 W			8' - 0"		E.C. To Verify Rough-In Height, See Mfr's Detail Drawings						3/4"				P.C. To Pipe To Floor Drain
F16.4	1	Drain Line Heater	By Refrigeration Contractor					X										Custom	Custom	X			120.00 V	1	15.00 A	1800 W			8' - 0"		E.C. To Verify Rough-In Height, See Mfr's Detail Drawings												
F16.5	1	Compressor	Install & Mount In Curb by HVAC					X										ColdZone	CFO300L4SEA	X			208.00 V	3	15.00 A	5400 W	3		0' - 6"		E.C. To Interwire Interlock Relay. Verify Rough-In Height												
F17	1	Walk-In Cooler						X										Amerikooler	Custom	X			115.00 V	1	2.20 A				9' - 0"														
F17.1	1	Strip Curtains						X										Himi	FC1000																							
F17.2	1	Cooler Evaporator Coil						X										ColdZone	CL6A073ADA	X			115.00 V	1	1.60 A	184 W			9' - 0"		E.C. To Verify Rough-In Height, See Mfr's Detail Drawings						3/4"				P.C. To Pipe To Floor Drain
F17.3	1	Compressor	Install & Mount In Curb by HVAC					X										ColdZone	CFO080M4SEA	X			208.00 V	3	15.00 A	5400 W	3/4		0' - 6"		E.C. To Interwire Interlock Relay. Verify Rough-In Height												
F18	1	Walk-In Cooler						X										Amerikooler	Custom	X			115.00 V	1	2.20 A				9' - 0"														
F18.1	1	Strip Curtains						X										Himi	FC1000																							
F18.2	1	Cooler Evaporator Coil						X										ColdZone	CL6A073ADA	X			115.00 V	1	1.60 A	184 W			9' - 0"		E.C. To Verify Rough-In Height, See Mfr's Detail Drawings						3/4"				P.C. To Pipe To Floor Drain
F18.3	1	Compressor	Install & Mount In Curb by HVAC					X										ColdZone	CFO080M4SEA	X			208.00 V	3	15.00 A	5400 W	3/4		0' - 6"		E.C. To Interwire Interlock Relay. Verify Rough-In Height												

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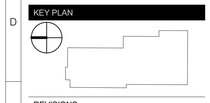
ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD.
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
FOODSERVICE EQUIPMENT M.E.P. SCHEDULE

SHEET NUMBER:
FS-353

BID SET

DRAWN BY: K.Arhin
CHECKED BY: Author
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Foodservice M.E.P. Equipment Schedule - F-W

Item #	Qty	Equipment Description	Remarks	Existing To Remain	Existing To Be Relocated	Existing to Be Reinstalled	Existing To Be Modified	Supplied By F.S.E.C.	Supplied By F.S. Operator	Supplied By Owner	Supplied By Vendor	Supplied By G.C.	Supplied By E.C.	Supplied By P.C.	Supplied By H.V.A.C./M.C.	Wall Blocking By G.C.	Factory Start Up Required	Manufacturer	Model	JB (Direct)	SR (Plug)	Data/Telephone	Volts	Phase	FL Amps	Watts	HP	Plug Configuration (NEMA)	Elec Conn Rl Height (A.F.F.)	Remote On/Off Switch By E.C.	Interwire w/ Building Fire Alarm System By E.C.	Electrical Remarks	Cold Water Size	Cold Water Rl Height	Filtered Water Required	Hot Water Size	Hot Water Rl Height	Water Quick Disconnect Hose By F.S.E.C.	Direct Waste Size	Direct Waste Rl Height	Indirect Waste Size	Gas Size	Gas Rl Height	Gas Input (BTUs)	Gas Quick Disconnect Hose By F.S.E.C.	Plumbing Remarks
F19	1	Walk-In Cooler						X										Amerikooler	Custom	X			115.00 V	1	2.20 A							9' - 0"																
F19.1	1	Strip Curtains						X										Himi	FC1000																												
F19.2	1	Cooler Evaporator Coil						X										ColdZone	CL6A073ADA	X			115.00 V	1	1.60 A	184 W			9' - 0"			E.C. To Verify Rough-In Height, See Mfr's Detail Drawings								3/4"				P.C. To Pipe To Floor Drain
F19.3	1	Compressor	Install & Mount In Curb by HVAC					X										ColdZone	CFO080M4SEA	X			208.00 V	3	15.00 A	5400 W	3/4		0' - 6"			E.C. To Interwire Interlock Relay. Verify Rough-In Height												
F20	8	Ceiling-Mounted Drop Cord Reels (5-20R)											X			X		To Be Determined	To Be Determined	X			120.00 V	1	20.00 A	2400 W		5-20R				D.F.A., E.C. To Verify Electrical Requirements												
G01	3	Wall-Mounted S/S Hand Sink	w/ Faucet, Wrist Handles, & Side Splashes					X								X		BK Resources	BKHS-D-SS-SS-P-G														1/2"	1' - 6"		1/2"	1' - 6"		1 1/2"	1' - 6"					
G01.1	3	Wall-Mounted Soap Dispenser										X						To Be Determined	To Be Determined																										
G01.2	3	Wall-Mounted Paper Towel Dispenser											X			X		Georgia Pacific	59488A																										
G01.3	1	Eye Wash Faucet Attachment						X										BK Resources	BK-EWS																										
G02	1	3-Compartment Sink						X										BK Resources	BKS-3-1824-14-24TS																					2"				(3) Indirect Waste Required. P.C. To Pipe To Floor Sink
G02.1	1	Splash-Mounted Pre-Rinse Faucet	w/ Wall Bracket					X								X		T&S Brass	B-0133-12ACBJST														1/2"	1' - 0"		1/2"	1' - 0"							
G02.2	1	Splash-Mounted Faucet w/ Swing Spout						X										T&S Brass	5F-8WLX14														1/2"	1' - 0"		1/2"	1' - 0"							
G03	1	Wall Shelf						X								X		BK Resources	BKWS-1224																										
G04	1	Wall Shelf w/ Pot Rack						X								X		BK Resources	BKWS-1260-PR																										
G05	1	Work Table						X										John Boos	ST6R5-30144SSK																										
G05.1	1	Weld-In S/S Rinse Sink (16" x 20" x 12")	w/ Twist Drain & Overflow					X										John Boos	CUT1620126																					2"				P.C. To Pipe To Floor Sink
G05.2	1	Deck-Mounted Faucet w/ Swing Spout						X										T&S Brass	B-1123-CR														1/2"	1' - 0"		1/2"	1' - 0"							
G06	1	Wall Shelf						X								X		BK Resources	BKWS-1284																										
G07	1	Countertop Bulk Coffee Brewer						X										Fetco	CBS-52H-15 (C52046)	X			208.00 V	3	29.60 A	12100 W			4' - 0"			4-Wire + Ground. 120/208 Dual Voltage Unit	3/8"		X									Filtered Water From Item #G09
G07.1	2	Countertop Insulated Coffee Servers						X										Fetco	D449TLA																										
G08	1	Spare Number																																										
G09	1	Water Filter						X								X		Everpure	QC7I PF TWIN 7FC-S														3/4"	6' - 0"											Filtered Water To Item #G08, X12
G10	6	Utility Cart						X										Vollrath	97102																										
G11	1	Spare Number																																										
G12	1	Custom U-Shaped Soiled Dishtable						X										John Boos	Custom																										
G12.1	1	Welded-In S/S Sink (20" x 20" x 8")						X										John Boos	Custom																					1 1/2"				P.C. To Pipe To Floor Sink
G12.2	1	Splash-Mounted Pre-Rinse Faucet	w/ Wall Bracket					X								X		T&S Brass	B-0133-CR-BJSTK														1/2"	1' - 0"		1/2"	1' - 0"							
G12.3	1	Table-Mounted Double-Sided Rack Shelf						X										John Boos	Custom																										
G13	1	Ventless Conveyor Dishwasher	Right to left operation					X									X	Champion	44 PRO VHR Electric	X			208.00 V	3	78.00 A	15000 W	2		4' - 6"			100 Amp Maximum Overcurrent Proection	1/2"	4' - 0"		1/2"	4' - 0"			1 1/4"				P.C. To Pipe To Floor Sink. Plumb to G13.5
G13.1	1	Additional Utility Information for Booster						X									X	Champion	Custom	X			208.00 V	3	59.00 A	21000 W			4' - 6"			80 Amp Maximum Overcurrent Proection												
G13.2	1	Table Limit Switch						X									X	Champion	Custom														E.C. To Interwire w/ Item #G13												
G13.3	1	Drain Water Tempering Kit						X										Champion	Custom															1/2"	1' - 0"										
G13.4	1	Spare Number																																										
G13.5	1	Water Softener						X										Everpure	DEV998053														3/4"	1' - 0"										P.C. To Plumb To Item #G13
G14	1	Clean Dishtable						X										John Boos	CDT4-S108SBK-L																										
G15	1	Wall Shelf						X									X	BK Resources	BKWS-1260																										
H01	7	Rack Dolly						X										Crestware	RDOLLY2																										
H02	5	Dish Dolly						X										Metro	PCD12																										
J01	1	Milk Cooler						X										Traulsen	RMC49D4		X		115.00 V	1	3.20 A	368 W		5-15P	1' - 6"			Power from Item #J09												
J02	2	Refrigerated Cold Food Station						X										Vollrath	37045		X		120.00 V	1	8.00 A	960 W	1/5	5-15P	1' - 6"			Power from Item #J09								1"				Drain To Bucket
J03	2	3-Well Hot Food Station						X										Vollrath	37030		X		120.00 V	1	17.00 A	2040 W		5-30P	1' - 6"			Power from Item #J09								3/4"				Drain To Bucket
J04	1	Wall-Mounted S/S Hand Sink	w/ Faucet, Wrist Handles, & Side Splashes					X								X		BK Resources	BKHS-D-SS-SS-P-G														1/2"	1' - 6"		1/2"	1' - 6"		1 1/2"	1' - 6"					
J04.1	1	Wall-Mounted Soap Dispenser										X						To Be Determined	To Be Determined																										
J04.2	1	Wall-Mounted Paper Towel Dispenser											X			X		Georgia Pacific	59488A																										
J05	1	Refrigerated Prep Table						X										Hoshizaki	SR48B-12		X		115.00 V	1	3.00 A	345 W	1/5	5-15P	1' - 6"			15 Amp Breaker Required												
J06	1	Reach-In Refrigerator						X										Atosa	MBF8005GR		X		115.00 V	1	3.20 A	368 W	1/5	5-15P	6' - 8"															
J07	4	Mobile Heated Holding Cabinet						X										Carter-Hoffman	HL3-18		X		120.00 V	1	15.00 A	1750 W		5-20P																	
J08	1	Spare Number																																										
J09	1	Power Pole	w/ 5-15R & 5-20R Duplex Receptacles					X										AVTEC	ELECTRA POLEM	X													E.C. To Refer To Manuf. Detail Drawings												
J09.1	1	Power Pole	w/ 5-15R & 5-20R Duplex Receptacles					X										AVTEC	ELECTRA POLEM	X													E.C. To Refer To Manuf. Detail Drawings												
J09.2	1	Power Pole	w/ 5-20R & 5-30R Duplex Receptacles					X										AVTEC	ELECTRA POLEM	X													E.C. To Refer To Manuf. Detail Drawings												
K01	1	Undermount S/S Hand Sink						X										BK Resources	BKFB-1410-8-14																					1 1/2"				
K01.1	1	Deck-Mounted Gooseneck Faucet						X										T&S Brass	B-1141-XS														1/2"	1' - 0"		1/2"	1' - 0"							
K01.2	1	Drop-In Soap Dispenser						X										Bobrick	B-8226																										
K01.3	1	Drop-In Paper Towel Dispenser						X										Bobrick	B-526																										
K01.4	2	Splash Guard						X										Vollrath	Custom																										
K02	1	Millwork Counter						X				X						Custom	Custom																										
K02.1	1	Trash Ring						X										Vollrath	3Y0502																										
K03	1	Sliding Glass Door Refrigerator						X										Atosa	MCF8727GR		X		115.00 V	1	4.20 A	483 W	1/4	5-15P	1' - 6"															
K04	1	Glass Door Freezer						X										True	GDM-26F-HC~TSL01		X		115.00 V	1	9.50 A	1092.5 W	1	5-15P	1' - 6"															
S01	7	5-Tier Wire Shelving Unit	w/ Casters					X										Quantum	WR74-2436C-5																										
S02	43	5-Tier Wire Shelving Unit	w/ Casters					X										Quantum	WR74-2448C-5																										
S03	13	5-Tier Wire Shelving Unit	w/ Casters					X										Quantum	WR74-2460C-5																										
S04	7	Dunnage Rack						X										Cambro	DRS360480																										
S05	1	Dunnage Rack						X										Cambro	DRS480480																										
S06	1	4-Tier Wire Shelving Unit	w/ Casters					X										Quantum	WR63-2436C																										
S07	26	Corner Guard						X										BK Resources	CG-248																										
W01	16	23 Gallon Trash Container (Gray)						X										Winco	PTC-23SG																										
W02	8	23 Gallon Trash Container (Gray)						X										Winco	PTC-23SG																										

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SED #: 50-90-00-00-0-044-001

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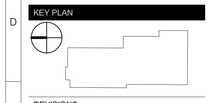
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
FOODSERVICE EQUIPMENT M.E.P. SCHEDULE

SHEET NUMBER:
FS-354

BID SET

DRAWN BY: AuDev
CHECKED BY: Checker
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - v2020.10dc_Rockland BOCES W / FS.rvt

6/12/2025 11:48:11 AM

PROJECT NUMBER: 2333403.01

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Foodservice M.E.P. Equipment Schedule - X

Item #	Qty	Equipment Description	Remarks	Existing To Remain	Existing To Be Relocated	Existing to Be Reinstalled	Existing To Be Modified	Supplied By F.S.E.C.	Supplied By F.S. Operator	Supplied By Owner	Supplied By Vendor	Supplied By G.C.	Supplied By E.C.	Supplied By P.C.	Supplied By H.V.A.C./M.C.	Wall Blocking By G.C.	Factory Start Up Required	Manufacturer	Model	JB (Direct)	SR (Plug)	Data/Telephone	Volts	Phase	FL Amps	Watts	HP	Plug Configuration (NEMA)	Elec Conn Rl Height (A.F.F.)	Remote On/Off Switch By E.C.	Interwire w/ Building Fire Alarm System By E.C.	Electrical Remarks	Cold Water Size	Cold Water Rl Height	Filtered Water Required	Hot Water Size	Hot Water Rl Height	Water Quick Disconnect Hose By F.S.E.C.	Direct Waste Size	Direct Waste Rl Height	Indirect Waste Size	Gas Size	Gas Rl Height	Gas Input (BTUs)	Gas Quick Disconnect Hose By F.S.E.C.	Plumbing Remarks
X01	1	Multifunction Skillet	w/ Stand	X														Rational	iVario 2-XS	X			208.00 V	3	48.00 A	15000 W			1' - 6"			E.C. To Verify Electrical Requirements	3/4"		X											P.C. To Verify Plumbing Requirements, F.W. From Item #X01.1
X01.1	1	Water Filter		X												X		Rational	To Be Verified														3/4"	4' - 0"												Filtered Water For Item #X01. P.C. To Verify Plumbing Requirements
X02	1	Gas Combi Oven	w/ Mobile Stand	X														Rational	iCombi 6 FULL	X			208.00 V	2	4.30 A	900 W			1' - 6"			E.C. To Verify Electrical Requirements	3/4"		X				2"			3/4"	1' - 0"	106,500 Btu/h		P.C. To Verify Plumbing Requirements, F.W. From Item #X02.1, P.C. Pipe To Floor Sink
X02.1	1	Water Filter		X												X		Rational	To Be Verified														3/4"	4' - 0"												Filtered Water For Item #X02. P.C. To Verify Plumbing Requirements
X03	1	Hot Dog Cart		X														To Be Verified	To Be Verified																										
X04	2	3-Door Reach-In Refrigerator		X														True	T-72		X		115.00 V	1	11.80 A	1357 W	1/2	5-15P	1' - 6"			E.C. To Verify Electrical Requirements														
X05	1	Vacuum Packing Machine		X														Waring	WCV300		X		120.00 V	1	3.17 A	380 W		5-15P	4' - 0"			E.C. To Verify Electrical Requirements														
X06	1	Sous Vide System		X														To Be Verified	To Be Verified		X											E.C. To Verify Electrical Requirements														
X07	1	3-Door Work Top Refrigerator		X														Everest	ETBR3		X		115.00 V	1	3.70 A	425.5 W	1/3	5-15P				Power From Item #E17. E.C. To Verify Electrical Requirements														
X08	1	Wok Range		X														American Range	ARCR-31																					1 1/4"	1' - 0"	140,000 Btu/h		P.C. To Verify Plumbing Requirements
X09	3	36"W Refrigerated Base		X														Everest	ECB36D2		X		115.00 V	1	3.50 A	402.5 W	1/4	5-15P	1' - 6"			E.C. To Verify Electrical Requirements								1/2"					P.C. To Verify Plumbing Requirements
X10	1	Coffee Brewer		X														BUNN	To Be Verified		X		120.00 V	1	15.00 A	3550 W		5-15P	4' - 0"			E.C. To Verify Electrical Requirements														
X11	1	Countertop 20 Qt. Mixer		X														Vollrath	MIX1020		X		120.00 V	1	10.00 A	1200 W	1/2	5-15P	4' - 0"			E.C. To Verify Electrical Requirements														
X12	1	Ice Machine		X														Scotsman Ice	C0330MA-1D	X			115.00 V	1	11.70 A				5' - 0"			E.C. To Verify Electrical Requirements								3/4"					P.C. To Verify Plumbing Requirements
X12.1	1	Ice Bin		X														Scotsman	To Be Verified																				3/4"					P.C. To Verify Plumbing Requirements
X13	8	Ingredient Bin		X														To Be Verified	To Be Verified																										
X14	1	Worktop Refrigerator		X														True	TWT-72-HC		X		115.00 V	1	4.00 A	460 W	1/4	5-15P				Power From Item #E17. E.C. To Verify Electrical Requirements														
X15	1	5 Qt. Mixer		X														KitchenAid	To Be Verified		X		120.00 V	1	2.90 A		1/6	5-15P				Power From Item# E15. E.C. To Verify Electrical Requirements														
X16	1	Countertop Induction Range		X														Winco	ECIS-18C		X		120.00 V	1	15.00 A	1800 W		5-15P	4' - 0"			E.C. To Verify Electrical Requirements														
X17	1	Countertop Induction Range		X														Globe	GIR18		X		120.00 V	1	15.00 A	1800 W		5-15P	4' - 0"			E.C. To Verify Electrical Requirements														

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Construction Manager:

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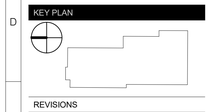
ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
FOODSERVICE EQUIPMENT M.E.P. SCHEDULE

SHEET NUMBER:
FS-355

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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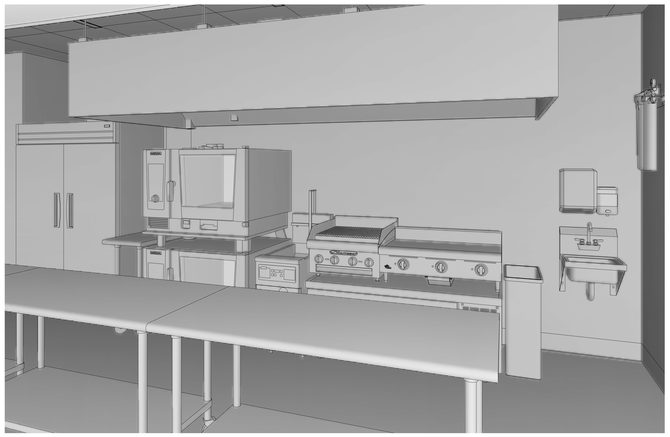
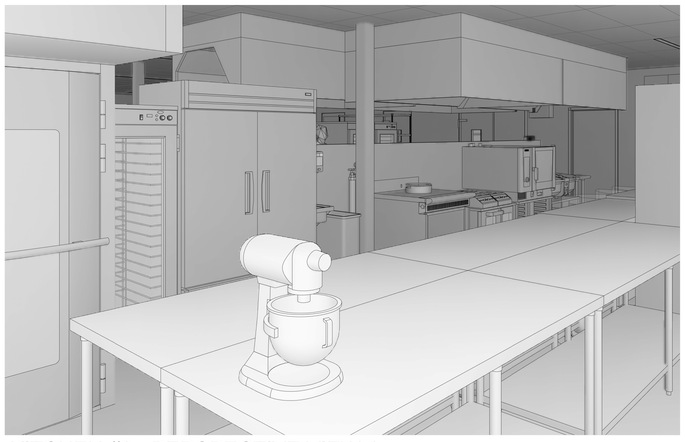
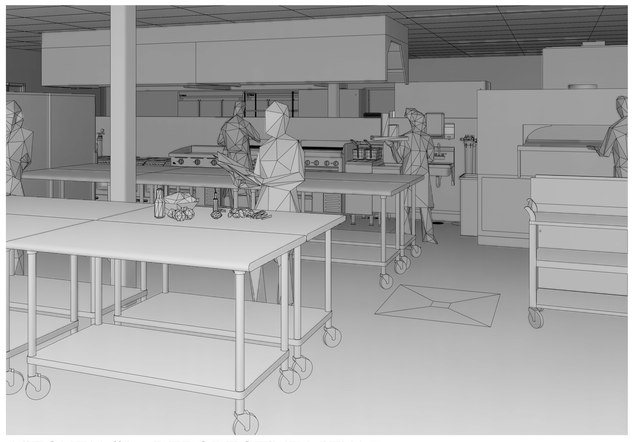


1 KITCHEN #1 - PERSPECTIVE VIEW 1

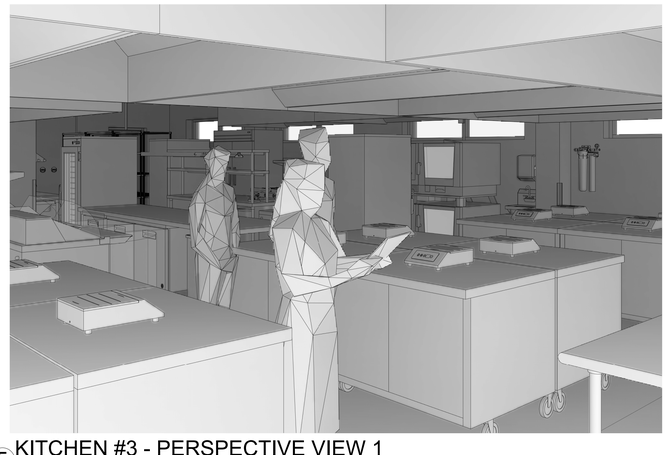
2 KITCHEN #1 - PERSPECTIVE VIEW 2



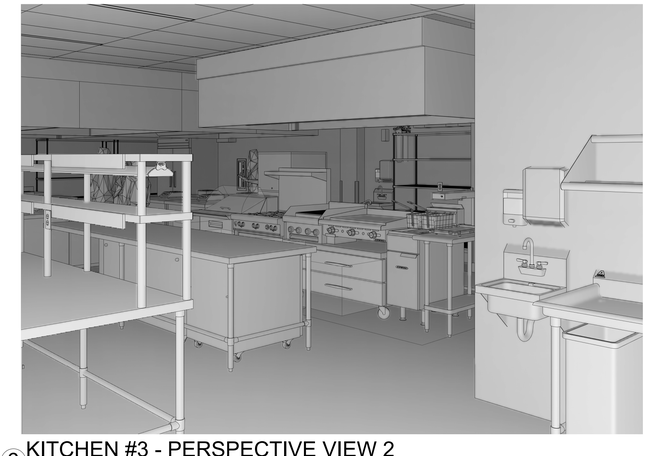
3 KITCHEN #2 - PERSPECTIVE VIEW 1



4 KITCHEN #2 - PERSPECTIVE VIEW 2



5 KITCHEN #3 - PERSPECTIVE VIEW 1



6 KITCHEN #3 - PERSPECTIVE VIEW 2

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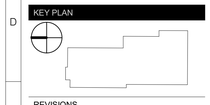

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
FOODSERVICE PERSPECTIVE VIEWS

SHEET NUMBER:
FS-380

BID SET

DRAWN BY: jf.dev
CHECKED BY: jf.dev
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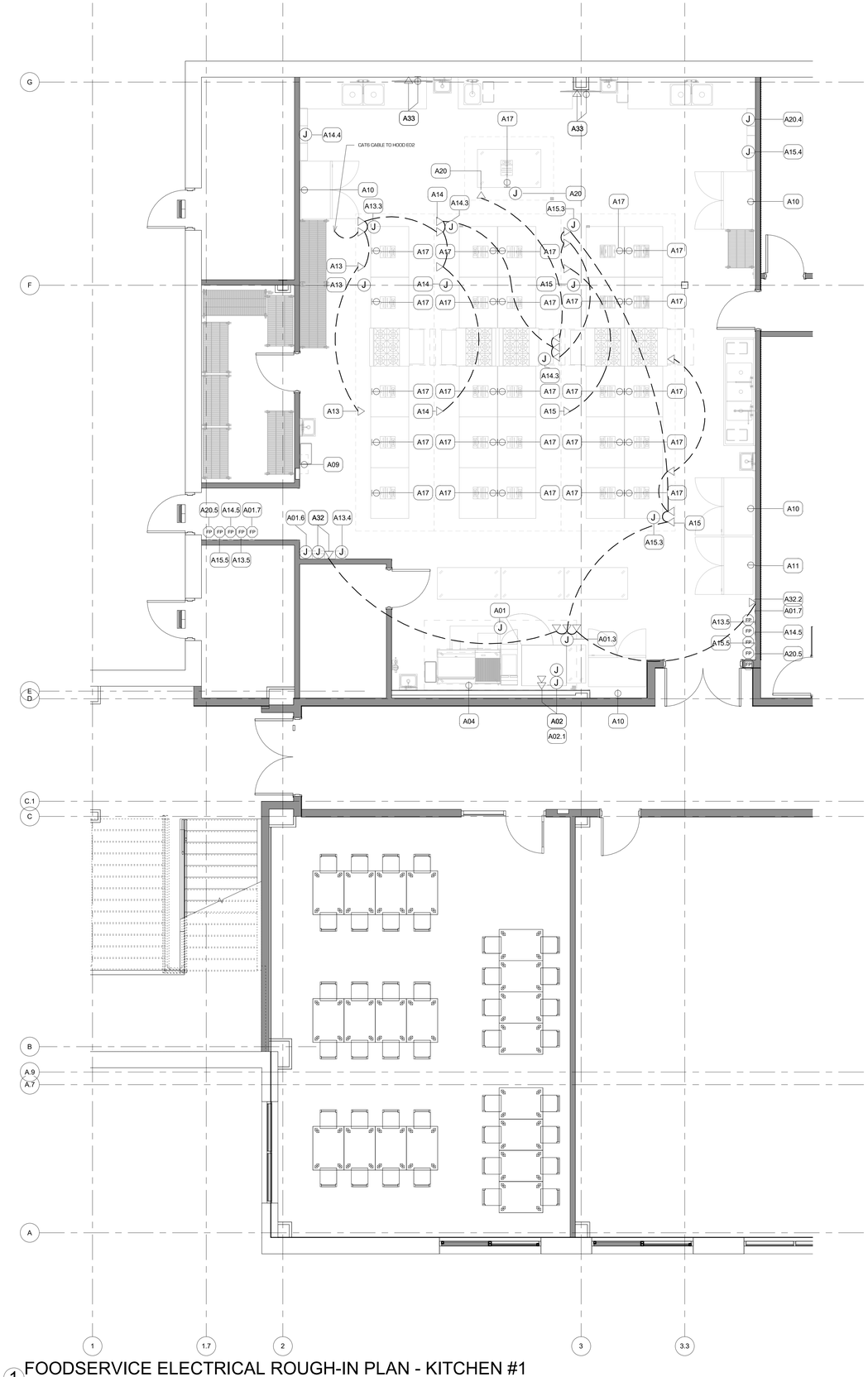
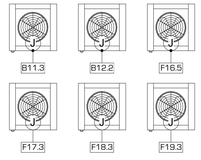


1 FOODSERVICE ELECTRICAL ROUGH-IN PLAN - KITCHEN #1
1/4" = 1'-0"

COOLER/FREEZER CONDENSING UNIT



NOTE:
FOR ROOF LOCATION OF COOLER/FREEZER CONDENSER UNITS, REFERENCE ARCHITECTURAL AND MEP CONTRACT DRAWINGS.

UNLESS OTHERWISE SPECIFIED OR NOTED ON MEP EQUIPMENT SCHEDULE SUPPLYING, HOISTING AND INSTALLATION OF COOLER/FREEZER CONDENSER UNITS IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL COORDINATE PURCHASING WITH THE FOODSERVICE EQUIPMENT CONTRACTOR.

EXHAUST FAN

MAKE-UP AIR UNIT

NOTE:
FOR ROOF LOCATION OF EXHAUST FANS & MAKE-UP AIR UNITS, REFER TO ARCHITECTURAL AND MEP CONTRACT DRAWINGS.

UNLESS OTHERWISE SPECIFIED OR NOTED ON MEP EQUIPMENT SCHEDULE SUPPLYING, HOISTING AND INSTALLATION OF EXHAUST FANS AND MAKE-UP AIR UNITS IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL COORDINATE PURCHASING WITH THE FOODSERVICE EQUIPMENT CONTRACTOR.
TO ENSURE BOTH ARE COMPATIBLE WITH THE ENERGY MANAGEMENT SYSTEM (IF ONE IS SPECIFIED).

ELECTRICAL NOTES

1. THESE DRAWINGS SHOW ELECTRICAL REQUIREMENTS FOR FOODSERVICE ONLY [UNLESS OTHERWISE ILLUSTRATED]. FOR ALL OTHER REQUIREMENTS SEE ARCHITECTURAL / ENGINEERING DRAWINGS.
2. ALL PREVAILING LOCAL ELECTRICAL CODES TO BE ADHERED TO.
3. ELECTRICIAN TO PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO EQUIPMENT. ELECTRICIAN TO FURNISH ALL TRIM ACCESSORIES, DISCONNECTS, CONTACTORS, SWITCHES, RELAYS, ELECTRICAL WHIPS, ETC. ELECTRICIAN TO PROVIDE CORD AND PLUG AS REQUIRED OR MAKE DIRECT CONNECTION TO EACH ELECTRICAL ITEM.
4. ELECTRICIAN TO FURNISH AND INSTALL CONDUITS AND SLEEVES FOR WALK-IN BOX ITEM[S]. [IF APPLICABLE]
5. ELECTRICIAN TO SEAL ALL ELECTRICAL PENETRATIONS INTO WALK-IN BOXES. [IF APPLICABLE]
6. ALL WIRING TO BE CONCEALED IN PROTECTIVE OUTER CASING SUCH AS 'SEAL TIGHT' OR 'BX'. SEAL TIGHT IS THE PREFERRED METHOD WHENEVER POSSIBLE.
7. ALL DIMENSIONS ARE TO CENTERLINE OF ELECTRICAL BOXES FROM FINISHED WALLS, COLUMNS, OR FLOORS.
8. ELECTRICIAN TO FURNISH AND INSTALL ALARM SYSTEM IF REQUIRED BY LOCAL CODES AND SHALL ALSO BE RESPONSIBLE TO TIE IN FIRE SUPPRESSION SYSTEMS TO ALARM SYSTEM. [WHERE APPLICABLE]
9. ELECTRICAL ENGINEER MUST VERIFY THAT ADEQUATE ELECTRICAL POWER WILL STILL BE PROVIDED FOR ALL FOODSERVICE ITEMS IDENTIFIED AS EXISTING TO REMAIN OR EXISTING/ RELOCATED.
10. FIRE SUPPRESSION SYSTEM [WHERE APPLICABLE] ELECTRICAL MICRO-SWITCH SUPPLIED BY FIRE SUPPRESSION SYSTEM CONTRACTOR. MICRO-SWITCH TO BE INSTALLED BY ELECTRICIAN TO SHUT OFF ALL COOKING EQUIPMENT IN CASE OF FIRE.
11. ELECTRICIAN TO SUPPLY & INSTALL SHUNT-TRIP BREAKERS TO ENSURE ELECTRICITY IS CUT OFF TO ANY SERVICES UNDER THE HOOD.
12. ELECTRICIAN TO ENSURE UPON FIRE SUPPRESSION SYSTEM TRIGGER THAT THE EXHAUST FAN COMES ON AT 100% & MAKE-UP AIR FAN SHUTS DOWN UNLESS OTHERWISE DIRECTED BY LOCAL CODE.
13. ALL FINAL CONNECTION DIMENSIONS TO EQUIPMENT ARE TO BE VERIFIED BY ELECTRICIAN.
14. REMOTE SWITCH FOR EXHAUST HOOD LIGHTS TO BE FURNISHED AND INSTALLED BY ELECTRICIAN.
15. ELECTRICIAN SHALL BE RESPONSIBLE FOR WIRING & MOUNTING OF ALL REMOTE SWITCHES / BALLASTS FOR FOODSERVICE EQUIPMENT AND / OR CASEWORK, LOCATION TO BE COORDINATED WITH F.S.E.C.
16. ELECTRICIAN TO VERIFY ELECTRICAL REQUIREMENTS FOR ALL NEW OR EXISTING / RELOCATED FOODSERVICE EQUIPMENT SUPPLIED BY "OWNER", "VENDOR", "FOODSERVICE MANAGEMENT COMPANY" OR BY "OTHERS".
17. ELECTRICIAN TO PROVIDE ALL FINAL CONNECTIONS AND INTERCONNECTIONS / CONTROL WIRING AS REQUIRED TO WALK-IN COMPONENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, TIME CLOCK, DOOR HEATERS, LIGHTS, AND DRAIN LINE HEATER.
18. ELECTRICIAN TO CONFIRM THAT ALL elite | studio e SPECIFIED ELECTRICAL FIXTURES MEET LOCAL CODE REQUIREMENTS.
19. ELECTRICAL LOAD PANELS FOR FOOD SERVICE EQUIPMENT: ELECTRICIAN TO MAKE INTERCONNECTIONS BETWEEN EQUIPMENT AND JUNCTION BOXES / LOAD PANELS AS REQUIRED. ELECTRICIAN TO MAKE ANY CONNECTIONS REQUIRED IF ANY COUNTERS ARE SHIPPED IN SECTIONS.
20. ELECTRICIAN TO FURNISH DEDICATED CIRCUITS FOR ALL FOODSERVICE EQUIPMENT ITEMS. [UNLESS OTHERWISE NOTED]
21. ALL NEW AND / OR EXISTING FOODSERVICE EQUIPMENT ITEMS SHOWN SHALL UTILIZE (WHEREVER FEASIBLE) EXISTING ELECTRICAL POWER SUPPLY LINES, JUNCTION BOXES AND / OR RECEPTACLE OUTLETS. [UNLESS OTHERWISE NOTED]
22. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL REQUIREMENTS FOR RELOCATING EQUIPMENT & UPGRADE AND / OR MODIFY SERVICE AS REQUIRED.
23. ELECTRICIAN TO PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO ALL EQUIPMENT, **INCLUDING HEAT LAMPS TO CONTROL BOX AND PENDANT LIGHTS.**
24. ELECTRICIAN TO FURNISH ALL TRIM ACCESSORIES, DISCONNECTS, CONTRACTORS, SWITCHES, RELAYS, ELECTRICAL WHIPS, ETC.
25. ELECTRICIAN TO PROVIDE CORD AND PLUG AS REQUIRED OR MAKE DIRECT CONNECTION TO EACH ELECTRICAL ITEM.
26. NATIONAL ELECTRICAL CODE 422.11(E)(3)(2) REQUIRES THAT ALL 15 AMP & 20 AMP, 125 VOLT RECEPTACLES SERVING DWELLING UNITS [COMMERCIAL & INDUSTRIAL KITCHENS INCLUDED], AND WITHIN 6' (1829 MM) OF ANY SINK BE GFCI PROTECTED. NAMETHEN OR NOT THE RECEPTACLE SERVES COUNTERTOP AREAS). ELECTRICAL ENGINEER AND / OR ELECTRICAL CONTRACTOR TO ENSURE ALL APPLICABLE RECEPTACLES AND / OR CIRCUITS SHOWN WITHIN THESE FOOD SERVICE DESIGN DRAWINGS ARE PROPERLY SPECIFIED, FURNISHED, & INSTALLED TO COMPLY WITH THIS CODE.
27. ELECTRICIAN TO PROVIDE THERMAL OVERLOAD PROTECTORS FOR ALL FAN ON / OFF SWITCHES AND STARTERS AS PER LOCAL CODE.

ELECTRICAL LEGEND

- J — JUNCTION BOX CONNECTION
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- DUPLEX G.F.I. RECEPTACLE
- DATA RECEPTACLE
- TELEPHONE/DATA RECEPTACLE
- QUAD RECEPTACLE
- FP — OCTAGONAL FIRE PULL JUNCTION BOX CONNECTION (PROVIDE EMPTY CONDUIT EXTENDING 6" A.F.C.)
- SINGLE FLUSH MTD FLOOR RECEPTACLE
- 2 — DUPLEX FLUSH MTD FLOOR RECEPTACLE
- 4 — QUAD FLUSH MTD FLOOR RECEPTACLE
- T — THERMOSTAT
- S — SWITCH
- CTV — CABLE TV OUTLET
- BRANCH TO CONNECTION [BTC]

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: FOODSERVICE ELECTRICAL ROUGH-IN PLAN - KITCHEN #1
SHEET NUMBER: FS-400

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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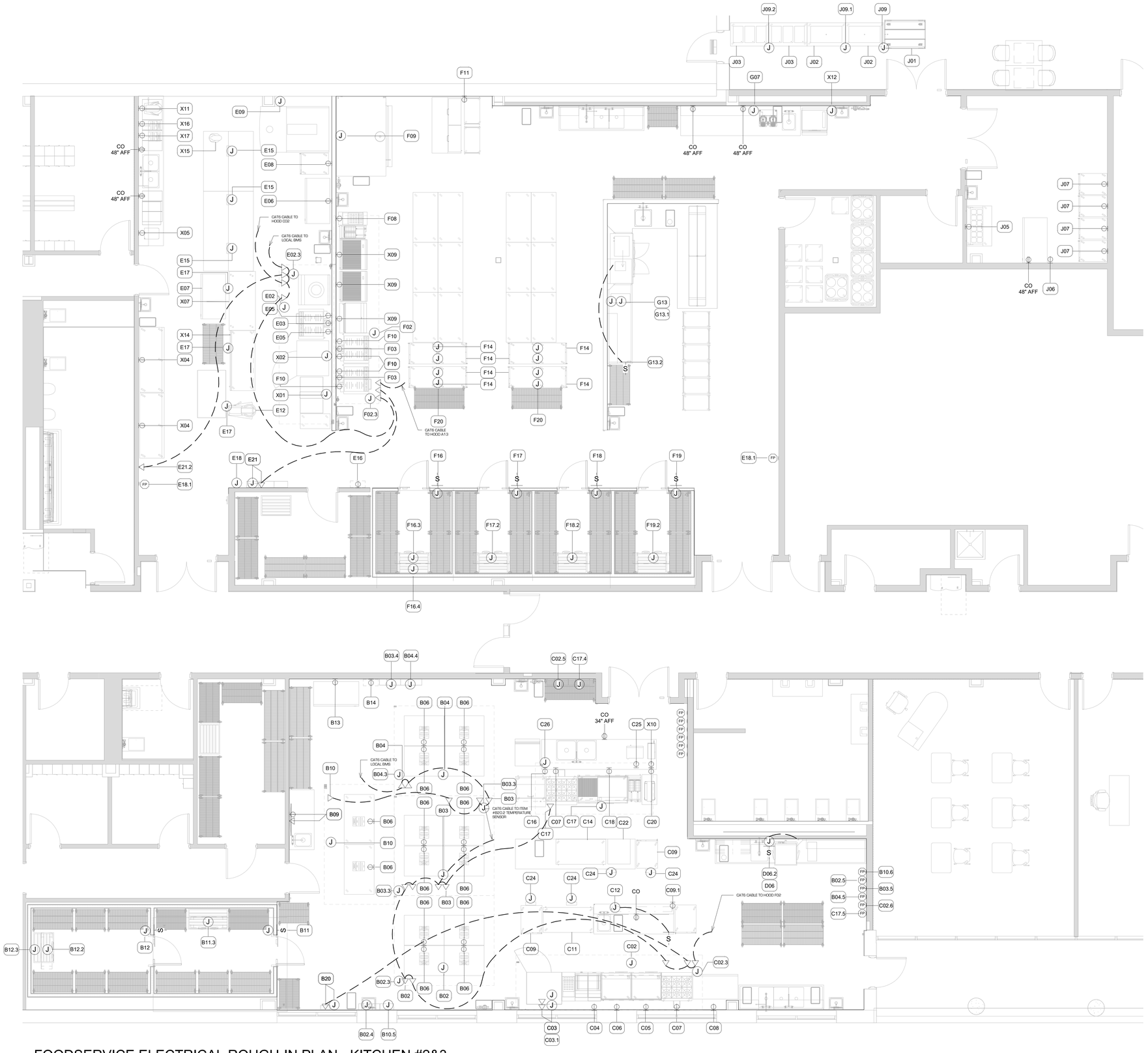

1 FOODSERVICE ELECTRICAL ROUGH-IN PLAN - KITCHEN #2&3
1/4" = 1'-0"

ELECTRICAL NOTES

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10. FIRE SUPPRESSION SYSTEM [WHERE APPLICABLE] ELECTRICAL MICRO-SWITCH SUPPLIED BY FIRE SUPPRESSION SYSTEM CONTRACTOR. MICRO-SWITCH TO BE INSTALLED BY ELECTRICIAN TO SHUT OFF ALL COOKING EQUIPMENT IN CASE OF FIRE.
11. ELECTRICIAN TO SUPPLY & INSTALL SHUNT-TRIP BREAKERS TO ENSURE ELECTRICITY IS CUT OFF TO ANY SERVICES UNDER THE HOOD.
12. ELECTRICIAN TO ENSURE UPON FIRE SUPPRESSION SYSTEM TRIGGER THAT THE EXHAUST FAN COMES ON AT 100% & MAKE-UP AIR FAN SHUTS DOWN UNLESS OTHERWISE DIRECTED BY LOCAL CODE.
13. ALL FINAL CONNECTION DIMENSIONS TO EQUIPMENT ARE TO BE VERIFIED BY ELECTRICIAN.
14. REMOTE SWITCH FOR EXHAUST HOOD LIGHTS TO BE FURNISHED AND INSTALLED BY ELECTRICIAN.
15. ELECTRICIAN SHALL BE RESPONSIBLE FOR WIRING & MOUNTING OF ALL REMOTE SWITCHES / BALLASTS FOR FOODSERVICE EQUIPMENT AND / OR CASEWORK. LOCATION TO BE COORDINATED WITH F.S.E.C.
16. ELECTRICIAN TO VERIFY ELECTRICAL REQUIREMENTS FOR ALL NEW OR EXISTING / RELOCATED FOODSERVICE EQUIPMENT SUPPLIED BY "OWNER", "VENDOR", "FOODSERVICE MANAGEMENT COMPANY" OR BY "OTHERS".
17. ELECTRICIAN TO PROVIDE ALL FINAL CONNECTIONS AND INTERCONNECTIONS / CONTROL WIRING AS REQUIRED TO WALK-IN COMPONENTS. THIS INCLUDES, BUT IS NOT LIMITED TO, TIME CLOCK, DOOR HEATERS, LIGHTS, AND DRAIN LINE HEATER.
18. ELECTRICIAN TO CONFIRM THAT ALL elite | studio e SPECIFIED ELECTRICAL FIXTURES MEET LOCAL CODE REQUIREMENTS.
19. ELECTRICAL LOAD PANELS FOR FOOD SERVICE EQUIPMENT. ELECTRICIAN TO MAKE INTERCONNECTIONS BETWEEN EQUIPMENT AND JUNCTION BOXES / LOAD PANELS AS REQUIRED. ELECTRICIAN TO MAKE ANY CONNECTIONS REQUIRED IF ANY COUNTERS ARE SHIPPED IN SECTIONS.
20. ELECTRICIAN TO FURNISH DEDICATED CIRCUITS FOR ALL FOODSERVICE EQUIPMENT ITEMS. [UNLESS OTHERWISE NOTED]
21. ALL NEW AND / OR EXISTING FOODSERVICE EQUIPMENT ITEMS SHOWN SHALL UTILIZE [WHEREVER FEASIBLE] EXISTING ELECTRICAL POWER SUPPLY LINES, JUNCTION BOXES AND / OR RECEPTACLE OUTLETS. [UNLESS OTHERWISE NOTED]
22. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY ALL REQUIREMENTS FOR RELOCATING EQUIPMENT & UPGRADE AND / OR MODIFY SERVICE AS REQUIRED.
23. ELECTRICIAN TO PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO ALL EQUIPMENT, **INCLUDING HEAT LAMPS TO CONTROL BOX AND PENDANT LIGHTS.**
24. ELECTRICIAN TO FURNISH ALL TRIM ACCESSORIES, DISCONNECTS, CONTRACTORS, SWITCHES, RELAYS, ELECTRICAL WHIPS, ETC.
25. ELECTRICIAN TO PROVIDE CORD AND PLUG AS REQUIRED OR MAKE DIRECT CONNECTION TO EACH ELECTRICAL ITEM.
26. NATIONAL ELECTRICAL CODE #210.8(B)(2) REQUIRES THAT ALL 15 AMP & 20 AMP, 120 VOLT RECEPTACLES IN NON-DWELLING UNITS (COMMERCIAL & INDUSTRIAL) KITCHENS, SERVING AREAS, AND / OR PANTRIES BE GFCI PROTECTED (WHETHER OR NOT THE RECEPTACLE SERVES COUNTERTOP AREAS). ELECTRICAL ENGINEER AND / OR ELECTRICAL CONTRACTOR TO ENSURE ALL APPLICABLE RECEPTACLES AND / OR CIRCUITS SHOWN WITHIN THESE FOOD SERVICE DESIGN DRAWINGS ARE PROPERLY SPECIFIED, FURNISHED, & INSTALLED TO COMPLY WITH THIS CODE.
27. ELECTRICIAN TO PROVIDE THERMAL OVERLOAD PROTECTORS FOR ALL FAN ON / OFF SWITCHES AND STARTERS AS PER LOCAL CODE

ELECTRICAL LEGEND

- J — JUNCTION BOX CONNECTION
- SINGLE RECEPTACLE
- DUPLEX RECEPTACLE
- DUPLEX G.F.I. RECEPTACLE
- DATA RECEPTACLE
- TELEPHONE/DATA RECEPTACLE
- QUAD RECEPTACLE
- FP — OCTAGONAL FIRE PULL JUNCTION BOX CONNECTION (PROVIDE EMPTY CONDUIT EXTENDING 6" A.F.C.)
- SINGLE FLUSH MTD FLOOR RECEPTACLE
- DUPLEX FLUSH MTD FLOOR RECEPTACLE
- QUAD FLUSH MTD FLOOR RECEPTACLE
- T — THERMOSTAT
- S — SWITCH
- CTV — CABLE TV OUTLET
- BRANCH TO CONNECTION [BTC]

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: FOODSERVICE ELECTRICAL ROUGH-IN PLAN - KITCHEN #2&3
SHEET NUMBER: FS-401

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - 4003-1504_Rockland BOCES NY_FS.rvt
6/12/2025 11:48:53 AM

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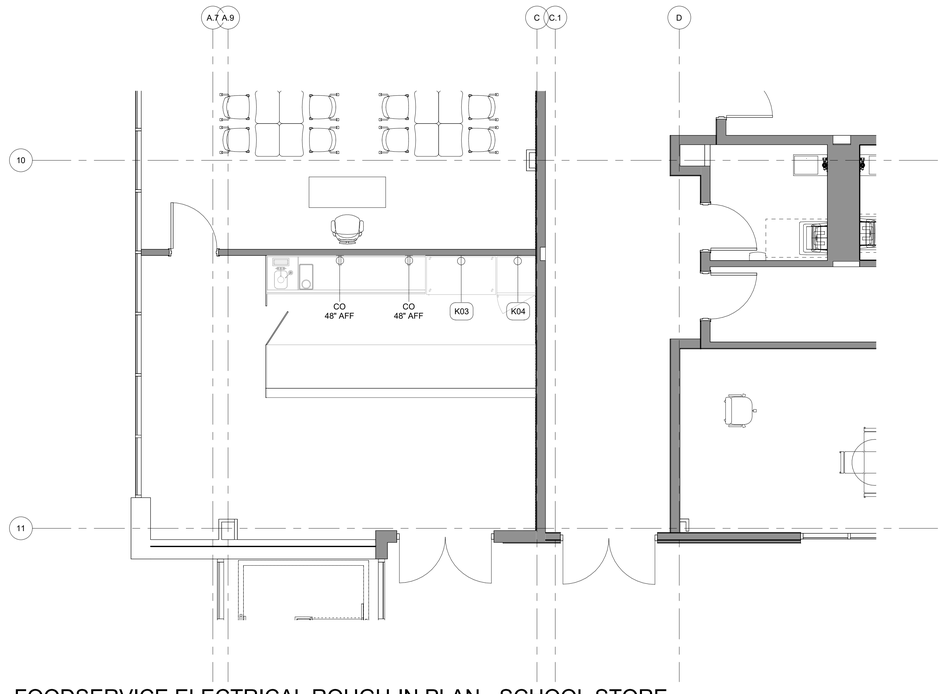

1 FOODSERVICE ELECTRICAL ROUGH-IN PLAN - SCHOOL STORE
1/4" = 1'-0"

ELECTRICAL NOTES

1. THESE DRAWINGS SHOW ELECTRICAL REQUIREMENTS FOR FOODSERVICE ONLY [UNLESS OTHERWISE ILLUSTRATED]. FOR ALL OTHER REQUIREMENTS SEE ARCHITECTURAL, ENGINEERING DRAWINGS.
2. ALL PREVAILING LOCAL ELECTRICAL CODES TO BE ADHERED TO.
3. ELECTRICIAN TO PROVIDE ALL ROUGH-IN AND FINAL CONNECTIONS TO EQUIPMENT. ELECTRICIAN TO FURNISH ALL TRIM ACCESSORIES, DISCONNECTS, CONTACTORS, SWITCHES, RELAYS, ELECTRICAL WHIPS, ETC. ELECTRICIAN TO PROVIDE CORD AND PLUG AS REQUIRED OR MAKE DIRECT CONNECTION TO EACH ELECTRICAL ITEM.
4. ELECTRICIAN TO FURNISH AND INSTALL CONDUITS AND SLEEVES FOR WALK-IN BOX ITEM[S]. [IF APPLICABLE]
5. ELECTRICIAN TO SEAL ALL ELECTRICAL PENETRATIONS INTO WALK-IN BOXES. [IF APPLICABLE]
6. ALL WIRING TO BE CONCEALED IN PROTECTIVE OUTER CASING SUCH AS "SEAL TIGHT" OR BX. SEAL TIGHT IS THE PREFERRED METHOD WHENEVER POSSIBLE.
7. ALL DIMENSIONS ARE TO CENTERLINE OF ELECTRICAL BOXES FROM FINISHED WALLS, COLUMNS, OR FLOORS.
8. ELECTRICIAN TO FURNISH AND INSTALL ALARM SYSTEM IF REQUIRED BY LOCAL CODES AND SHALL ALSO BE RESPONSIBLE TO TIE IN FIRE SUPPRESSION SYSTEMS TO ALARM SYSTEM. [WHERE APPLICABLE]
9. ELECTRICAL ENGINEER MUST VERIFY THAT ADEQUATE ELECTRICAL POWER WILL STILL BE PROVIDED FOR ALL FOODSERVICE ITEMS IDENTIFIED AS EXISTING TO REMAIN OR EXISTING / RELOCATED.
10. FIRE SUPPRESSION SYSTEM [WHERE APPLICABLE] ELECTRICAL MICRO-SWITCH SUPPLIED BY FIRE SUPPRESSION SYSTEM CONTRACTOR. MICRO-SWITCH TO BE INSTALLED BY ELECTRICIAN TO SHUT OFF ALL COOKING EQUIPMENT IN CASE OF FIRE.
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12. ELECTRICIAN TO ENSURE UPON FIRE SUPPRESSION SYSTEM TRIGGER THAT THE EXHAUST FAN COMES ON AT 120% & MAKE-UP AIR FAN SHUTS DOWN UNLESS OTHERWISE DIRECTED BY LOCAL CODE.
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- SINGLE FLUSH MTD FLOOR RECEPTACLE
- 2 — DUPLEX FLUSH MTD FLOOR RECEPTACLE
- 4 — QUAD FLUSH MTD FLOOR RECEPTACLE
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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
FOODSERVICE ELECTRICAL ROUGH-IN PLAN - SCHOOL STORE

SHEET NUMBER:
FS-402

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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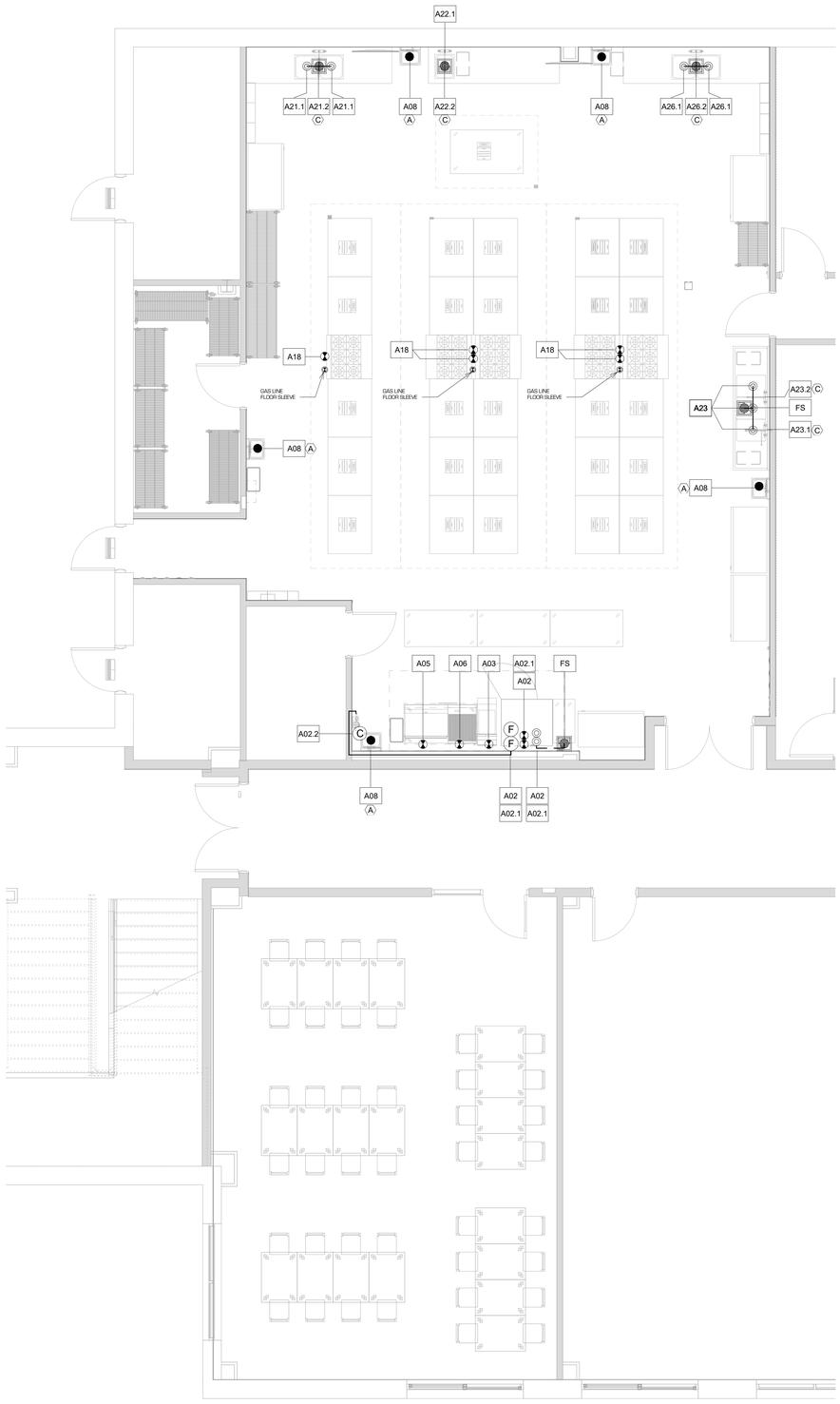
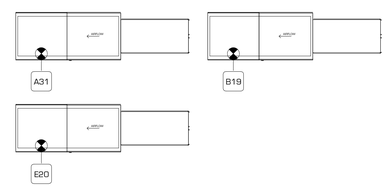


1 FOODSERVICE PLUMBING ROUGH-IN PLAN - KITCHEN #1
1/4" = 1'-0"

MAKE-UP AIR UNIT



NOTE:
FOR ROOF LOCATION OF EXHAUST FANS & MAKE-UP AIR UNITS, REFER TO ARCHITECTURAL AND MEP CONTRACT DRAWINGS.

UNLESS OTHERWISE SPECIFIED OR NOTED ON MEP EQUIPMENT SCHEDULE SUPPLYING, HOISTING AND INSTALLATION OF EXHAUST FANS AND MAKE-UP AIR UNITS IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL COORDINATE PURCHASING WITH THE FOODSERVICE EQUIPMENT CONTRACTOR, TO ENSURE BOTH ARE COMPATIBLE WITH THE ENERGY MANAGEMENT SYSTEM.(IF ONE IS SPECIFIED).

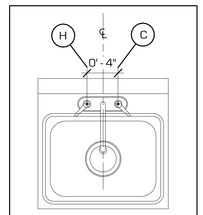
NOTE: P.C. TO SIZE, FURNISH, & INSTALL GREASE TRAP AS REQUIRED BY CODE. P.C. TO PIPE INDIRECT WASTE TO GREASE TRAP AS REQUIRED BY LOCAL CODE.

PLUMBING LEGEND

- ℄ CENTER LINE
- (A) DETAIL REFERENCE TAG
- (H) HOT WATER
- (C) COLD WATER
- (F) FILTERED WATER
- WATER LINE
- INDIRECT WASTE
- DIRECT WASTE
- FLOOR SINK
- FLOOR DRAIN
- FUNNEL FLOOR DRAIN
- DRAIN LINE
- GAS SUPPLY ROUGH-IN
- GAS LINE
- GT GREASE TRAP
- STEAM SUPPLY
- STEAM SUPPLY RETURN
- STEAM RETURN STAB-OUT
- STEAM SUPPLY STAB-OUT

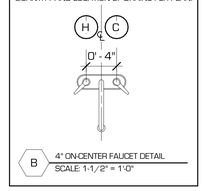
PLUMBING NOTES

1. THESE DRAWINGS SHOW PLUMBING REQUIREMENTS FOR FOODSERVICE EQUIPMENT ONLY (UNLESS OTHERWISE ILLUSTRATED). FOR ALL OTHER REQUIREMENTS, SUCH AS TOILET FACILITIES, AREA FLOOR DRAINS OTHER THAN THOSE FOR CODE REASONS - SEE ARCHITECTURAL / ENGINEERING DRAWINGS.
2. ALL PREVAILING LOCAL PLUMBING CODES TO BE ADHERED TO.
3. PLUMBER TO PROVIDE ALL ROUGH-INS AND FINAL CONNECTIONS TO EQUIPMENT. PLUMBER TO FURNISH ALL TRIM ACCESSORIES, VALVE PRESSURE REGULATORS, P-TRAPS, GREASE TRAPS, DRAIN LINES AND BACK FLOW PREVENTION SYSTEM DEVICES, ETC.
4. PLUMBER TO PROPERLY SIZE, FURNISH, AND INSTALL ALL STEAM PRESSURE REDUCING VALVES (AS REQUIRED FOR ALL WARE-WASHING MACHINES AND RELATED EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES. FINAL LOCATION TO BE COORDINATED BETWEEN THE F.S.E.C. AND THE PLUMBER **PRIOR TO INSTALLATION** TO AVOID ANY CONFLICTS ON OR NEAR EQUIPMENT.
5. PLUMBER TO VERIFY SIZE, FURNISH AND INSTALL GREASE TRAPS, FLOOR SINKS, AND FLOOR DRAINS AS REQUIRED BY LOCAL CODE. IF PLANS ILLUSTRATE DIFFERENCES FROM LOCAL CODE PLUMBER MUST NOTIFY elite | studio e.
6. ALL DIMENSIONS ARE FROM FINISHED FLOOR, WALLS, OR COLUMNS TO CENTERLINES OF PLUMBING FIXTURES. ALLOWANCE MUST BE MADE FOR ALL VALVES, TRAPS, AND FITTINGS BETWEEN OUTLETS ON FIXTURES AND ROUGH-IN CONNECTIONS.
7. ALL INDIRECT WASTE LINES SHALL BE EXTENDED TO FLOOR DRAINS AND/ OR FLOOR SINKS BY PLUMBING CONTRACTOR. FLOOR SINKS &FLOOR DRAINS SHALL BE SIZED, FURNISHED, AND INSTALLED BY PLUMBER. PROVIDE AIR GAP ABOVE HIGHEST POINT OF FLOOR SINK OR FLOOR DRAIN.
8. ALL FLOOR DRAINS AND/ OR FLOOR SINKS SHOWN ARE DEEMED NECESSARY FOR FOODSERVICE AREA FLOOR DRAINS FOR GENERAL SANITATION SHALL BE FURNISHED AND INSTALLED BY PLUMBER.
9. MECHANICALLY OPERATED GAS SHUT-OFF VALVE, FOR FIRE SUPPRESSION SYSTEM [IF APPLICABLE] WILL BE FURNISHED BY FIRE SUPPRESSION SYSTEM CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. INSTALLATION TO BE IN MAIN GAS SUPPLY LINE (ACCESS REQUIRED TO SHUT OFF ALL COOKING EQUIPMENT IN CASE OF FIRE.
10. ALL FINAL CONNECTION DIMENSIONS TO EQUIPMENT ARE TO BE VERIFIED BY PLUMBER.
11. ALL SHUT-OFF VALVES FOR PLUMBING ITEMS SHALL BE FURNISHED BY PLUMBER [UNLESS OTHERWISE NOTED]. THIS INCLUDES ISOLATION VALVES FOR ALL WATER CONNECTIONS.
12. PLUMBER MUST PROVIDE 120F HOT WATER AT ALL FOOD PREPARATION AND WARE-WASHING SINKS/ MACHINES. [UNLESS OTHERWISE NOTED BY LOCAL CODE]
13. PLUMBER MUST SUPPLY OR REDUCE INCOMING HOT WATER TO 105F AT ALL HAND WASHING SINKS. [UNLESS OTHERWISE NOTED BY LOCAL CODE]
14. PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL REQUIREMENTS FOR RELOCATED EQUIPMENT & UPGRADE AND/ OR MODIFY SERVICES AS REQUIRED.
15. ALL NEW AND/ OR EXISTING FOODSERVICE EQUIPMENT ITEMS SHOWN ON THESE DRAWINGS SHALL UTILIZE [WHEREVER FEASIBLE] EXISTING PLUMBING [WATER/ GAS/ STEAM SUPPLY, DRAINAGE, RETURN] LINES. [UNLESS OTHERWISE NOTED]
16. PLUMBER TO SEAL ALL PENETRATIONS MADE TO WALK-IN BOXES. [IF APPLICABLE]
17. OPEN AIR SCREEN MERCHANDISERS SHOULD BE PIPED TO FLOOR DRAINS. [WHEREVER POSSIBLE]
18. PLUMBER TO VERIFY PLUMBING REQUIREMENTS FOR ALL NEW OR EXISTING / RELOCATED FOODSERVICE EQUIPMENT SUPPLIED BY "OWNER", "VENDOR", "FOODSERVICE MANAGEMENT COMPANY" OR "BY OTHERS"
19. PLUMBER TO FURNISH AND INSTALL HOT AND COLD WATER LINE CHECK VALVES AT ALL SPRAY SYSTEMS UNIT MIXING VALVES UNLESS OTHERWISE NOTED.



A 4" ON-CENTER HAND SINK DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE:
P.C. TO PIPE INDIRECT DRAINS TO FLOOR SINK. QUANTITY AND LOCATION OF DRAINS PER PLAN.



B 4" ON-CENTER FAUCET DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE:
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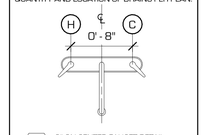

C 8" ON-CENTER FAUCET DETAIL
SCALE: 1-1/2" = 1'-0"

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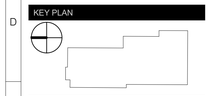

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
FOODSERVICE PLUMBING ROUGH-IN PLAN - KITCHEN #1
SHEET NUMBER:
FS-440

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/Author
Autodesk Docs://1904 - Rockland BOCES - West Nyack NY - 2023/1904_Rockland BOCES NY_FS.rvt
6/12/2025 11:48:55 AM

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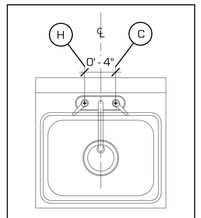
1/4" = 1'-0"



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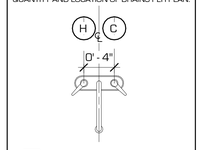
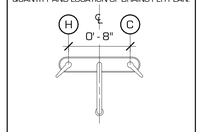
SCALE: 1-1/2" = 1'-0"

NOTE:
P.C. TO PIPE INDIRECT DRAINS TO FLOOR SINK. QUANTITY AND LOCATION OF DRAINS PER PLAN.



B 4" ON-CENTER FAUCET DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE:
P.C. TO PIPE INDIRECT DRAINS TO FLOOR SINK. QUANTITY AND LOCATION OF DRAINS PER PLAN.



C 8" ON-CENTER FAUCET DETAIL
SCALE: 1-1/2" = 1'-0"

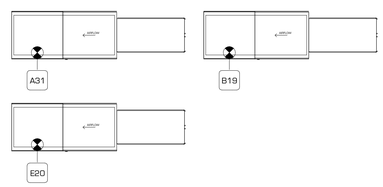
PLUMBING NOTES

1. THESE DRAWINGS SHOW PLUMBING REQUIREMENTS FOR FOODSERVICE EQUIPMENT ONLY (UNLESS OTHERWISE ILLUSTRATED) FOR ALL OTHER REQUIREMENTS, SUCH AS TOILET FACILITIES, AREA FLOOR DRAINS OTHER THAN THOSE FOR CODE READING - SEE ARCHITECTURAL / ENGINEERING DRAWINGS.
2. ALL PREVAILING LOCAL PLUMBING CODES TO BE ACHIERED TO.
3. PLUMBER TO PROVIDE ALL ROUGH-INS AND FINAL CONNECTIONS TO EQUIPMENT. PLUMBER TO FURNISH ALL TRIM ACCESSORIES, VALVE PRESSURE REGULATORS, P-TRAPS, GREASE TRAPS, DRAIN LINES AND BACK FLOW PREVENTION SYSTEM DEVICES, ETC.
4. PLUMBER TO PROPERLY SIZE, FURNISH, AND INSTALL ALL STEAM PRESSURE REDUCING VALVES (AS REQUIRED) FOR ALL WAREWASHING MACHINES AND RELATED EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION GUIDELINES. FINAL LOCATION TO BE COORDINATED BETWEEN THE F.S.E.C. AND THE PLUMBER **PRIOR TO INSTALLATION** TO AVOID ANY CONFLICTS ON OR NEAR EQUIPMENT.
5. PLUMBER TO VERIFY SIZE, FURNISH AND INSTALL GREASE TRAPS, FLOOR SINKS, AND FLOOR DRAINS AS REQUIRED BY LOCAL CODE. IF PLANS ILLUSTRATE DIFFERENCES FROM LOCAL CODE PLUMBER MUST NOTIFY elite | studio e.
6. ALL DIMENSIONS ARE FROM FINISHED FLOOR, WALLS, OR COLUMNS TO CENTERLINES OF PLUMBING FIXTURES. ALLOWANCE MUST BE MADE FOR ALL VALVES, TRAPS, AND FITTINGS BETWEEN OUTLETS ON FIXTURES AND ROUGH-IN CONNECTIONS.
7. ALL INDIRECT WASTE LINES SHALL BE EXTENDED TO FLOOR DRAINS AND/OR FLOOR SINKS BY PLUMBING CONTRACTOR. FLOOR SINKS &/FLOOR DRAINS SHALL BE SIZED, FURNISHED, AND INSTALLED BY PLUMBER. PROVIDE AIR GAP ABOVE HIGHEST POINT OF FLOOR SINK OR FLOOR DRAIN.
8. ALL FLOOR DRAINS AND/OR FLOOR SINKS SHOWN ARE DEEMED NECESSARY FOR FOODSERVICE AREA FLOOR DRAINS FOR GENERAL SANITATION SHALL BE FURNISHED AND INSTALLED BY PLUMBER.
9. MECHANICALLY OPERATED GAS SHUT-OFF VALVE, FOR FIRE SUPPRESSION SYSTEM (IF APPLICABLE) SHALL BE FURNISHED BY FIRE SUPPRESION SYSTEM CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR. INSTALLATION TO BE IN MAIN COOKING GAS LINE (ACCESS REQUIRED TO SHUT OFF ALL COOKING EQUIPMENT IN CASE OF FIRE.
10. ALL FINAL CONNECTION DIMENSIONS TO EQUIPMENT ARE TO BE VERIFIED BY PLUMBER.
11. ALL SHUT-OFF VALVES FOR PLUMBING ITEMS SHALL BE FURNISHED BY PLUMBER [UNLESS OTHERWISE NOTED]. THIS INCLUDES ISOLATION VALVES FOR ALL WATER CONNECTIONS.
12. PLUMBER MUST PROVIDE 120F HOT WATER AT ALL FOOD PREPARATION AND WARE-WASHING SINKS./MACHINES. [UNLESS OTHERWISE NOTED BY LOCAL CODE]
13. PLUMBER MUST SUPPLY OR REDUCE INCOMING HOT WATER TO 105F AT ALL HAND WASHING SINKS. [UNLESS OTHERWISE NOTED BY LOCAL CODE]
14. PLUMBING CONTRACTOR SHALL FIELD VERIFY ALL REQUIREMENTS FOR RELOCATED EQUIPMENT & UPGRADE AND / OR MODIFY SERVICES AS REQUIRED.
15. ALL NEW AND / OR EXISTING FOODSERVICE EQUIPMENT ITEMS SHOWN ON THESE DRAWINGS SHALL UTILIZE [WHEREVER FEASIBLE] EXISTING PLUMBING [WATER/ GAS/ STEAM SUPPLY/ DRAINAGE/ RETURN] LINES. [UNLESS OTHERWISE NOTED]
16. PLUMBER TO SEAL ALL PENETRATIONS MADE TO WALK-IN BOXES. [IF APPLICABLE]
17. OPEN AIR SCREEN MERCHANDISERS SHOULD BE PIPED TO FLOOR DRAINS. [WHEREVER POSSIBLE]
18. PLUMBER TO VERIFY PLUMBING REQUIREMENTS FOR ALL NEW OR EXISTING / RELOCATED FOODSERVICE EQUIPMENT SUPPLIED BY "OWNER", "VENDOR", "FOODSERVICE MANAGEMENT COMPANY" OR "BY OTHERS"
19. PLUMBER TO FURNISH AND INSTALL HOT AND COLD WATER LINE CHECK VALVES AT ALL SPRAY SYSTEMS UNIT MIXING VALVES UNLESS OTHERWISE NOTED.

PLUMBING LEGEND

- CENTER LINE
- A — DETAIL REFERENCE TAG
- H — HOT WATER
- C — COLD WATER
- F — FILTERED WATER
- WATER LINE
- INDIRECT WASTE
- DIRECT WASTE
- FLOOR SINK
- FLOOR DRAIN
- FUNNEL FLOOR DRAIN
- DRAIN LINE
- GAS SUPPLY ROUGH-IN
- GAS LINE
- GT — GREASE TRAP
- STEAM SUPPLY
- STEAM SUPPLY RETURN
- STEAM RETURN STAB-OUT
- STEAM SUPPLY STAB-OUT

MAKE-UP AIR UNIT



NOTE:
FOR ROOF LOCATION OF EXHAUST FANS & MAKE-UP AIR UNITS, REFER TO ARCHITECTURAL AND MEP CONTRACT DRAWINGS.

UNLESS OTHERWISE SPECIFIED OR NOTED ON MEP EQUIPMENT SCHEDULE SUPPLYING, HOISTING AND INSTALLATION OF EXHAUST FANS AND MAKE-UP AIR UNITS IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL COORDINATE PURCHASING WITH THE FOODSERVICE EQUIPMENT CONTRACTOR, TO ENSURE BOTH ARE COMPATIBLE WITH THE ENERGY MANAGEMENT SYSTEM (IF ONE IS SPECIFIED).

NOTE: P.C. TO SIZE, FURNISH, & INSTALL GREASE TRAP AS REQUIRED BY CODE. P.C. TO PIPE INDIRECT WASTE TO GREASE TRAP AS REQUIRED BY LOCAL CODE.

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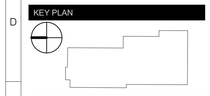
SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: FOODSERVICE PLUMBING ROUGH-IN PLAN - KITCHEN #2&3
SHEET NUMBER: FS-441

BID SET

DRAWN BY: JH/DV
CHECKED BY: JH/Author
Autodesk Docs://1001 - Rockland BOCES - West Nyack NY - 2023/1004_Rockland BOCES NY_FS.rvt
6/12/2025 11:48:58 AM

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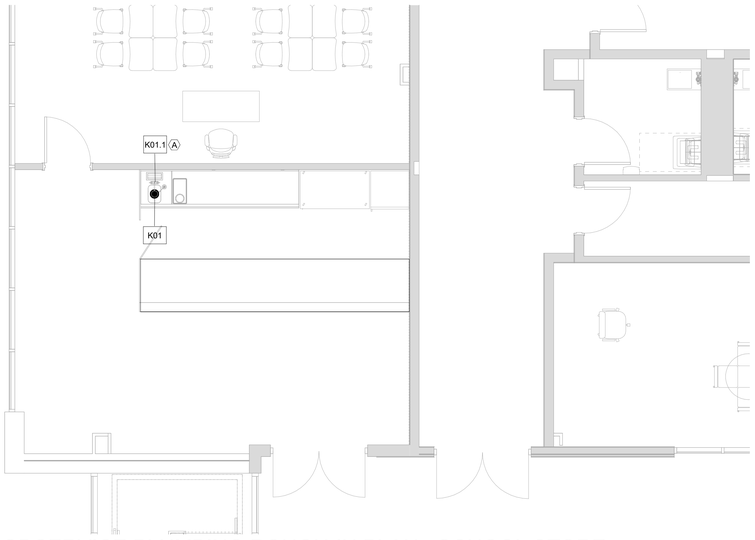
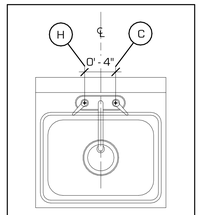
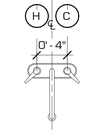


1 FOODSERVICE PLUMBING ROUGH-IN PLAN - SCHOOL STORE
1/4" = 1'-0"



A 4" ON-CENTER HAND SINK DETAIL
SCALE: 1-1/2" = 1'-0"

NOTE:
P.C. TO PIPE INDIRECT DRAINS TO FLOOR SINK QUANTITY AND LOCATION OF DRAINS PER PLAN.



B 4" ON-CENTER FAUCET DETAIL
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NOTE:
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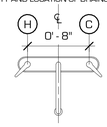

C 8" ON-CENTER FAUCET DETAIL
SCALE: 1-1/2" = 1'-0"

PLUMBING LEGEND

- CENTER LINE
- (A) DETAIL REFERENCE TAG
- (H) HOT WATER
- (C) COLD WATER
- (F) FILTERED WATER
- WATER LINE
- INDIRECT WASTE
- DIRECT WASTE
- FLOOR SINK
- FLOOR DRAIN
- FUNNEL FLOOR DRAIN
- DRAIN LINE
- GAS SUPPLY ROUGH-IN
- GAS LINE
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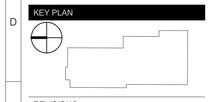
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
FOODSERVICE PLUMBING ROUGH-IN PLAN - SCHOOL STORE

SHEET NUMBER:
FS-442

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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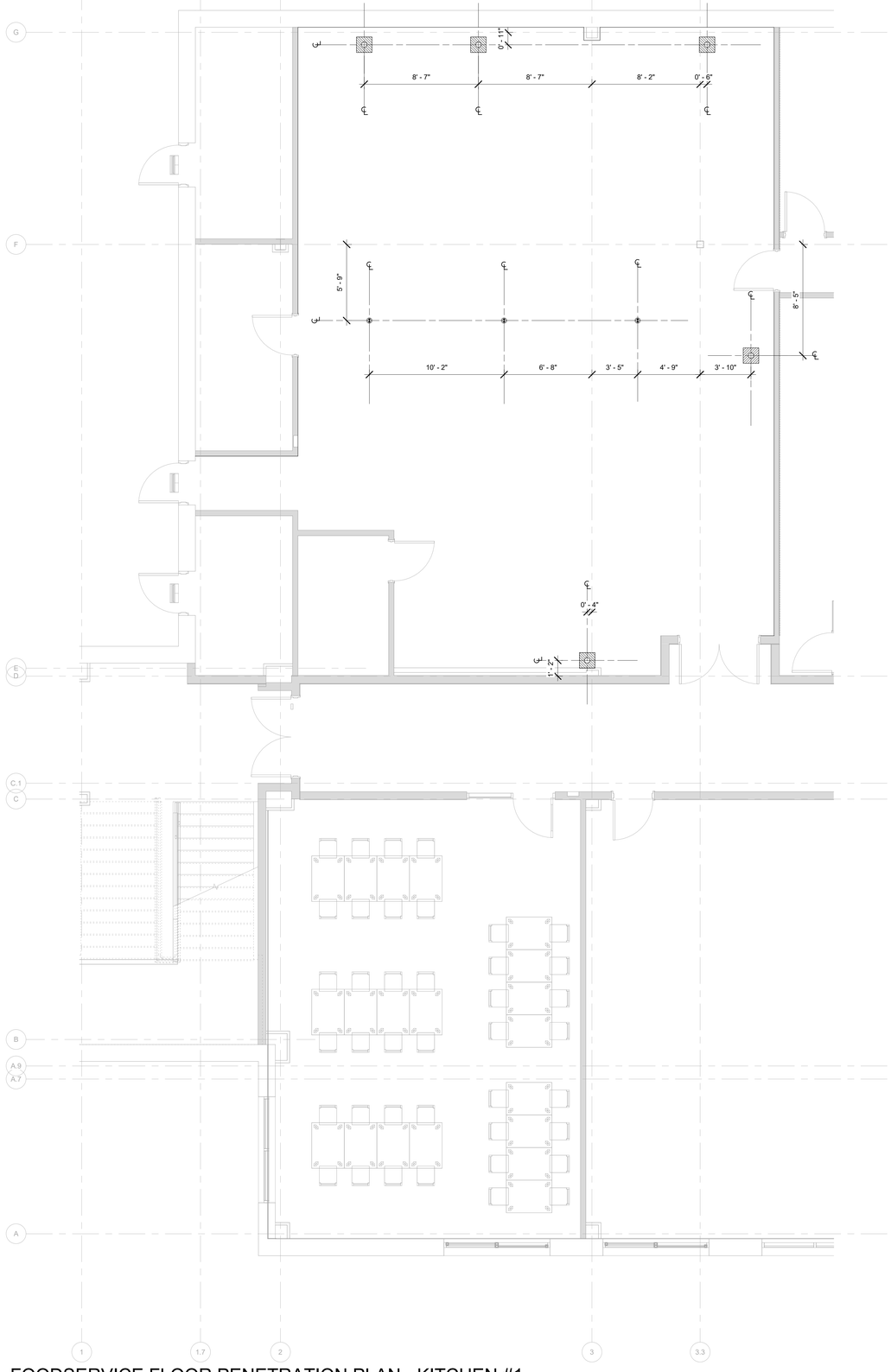

1 FOODSERVICE FLOOR PENETRATION PLAN - KITCHEN #1
1/4" = 1'-0"

FLOOR PENTRATION LEGEND

- CENTER LINE
- FLOOR ELECTRICAL LINE SLEEVE [BY E.C.]
- FLOOR GAS LINE SLEEVE [BY P.C.]
- FLOOR PLUMBING LINE SLEEVE [BY P.C.]
- FLOOR SLAB DRAIN CUT-OUT [BY P.C.]
- FLOOR SLAB SINK CUT-OUT [BY P.C.]
- FLOOR SLAB/TROUGH DEPRESSION [BY G.C.]

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SED #: 50-90-00-00-0-044-001

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
FOODSERVICE FLOOR PENETRATION PLAN - KITCHEN #1
SHEET NUMBER:
FS-460

BID SET

PROJECT NUMBER: 2333403.01
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CHECKED BY: jmfev
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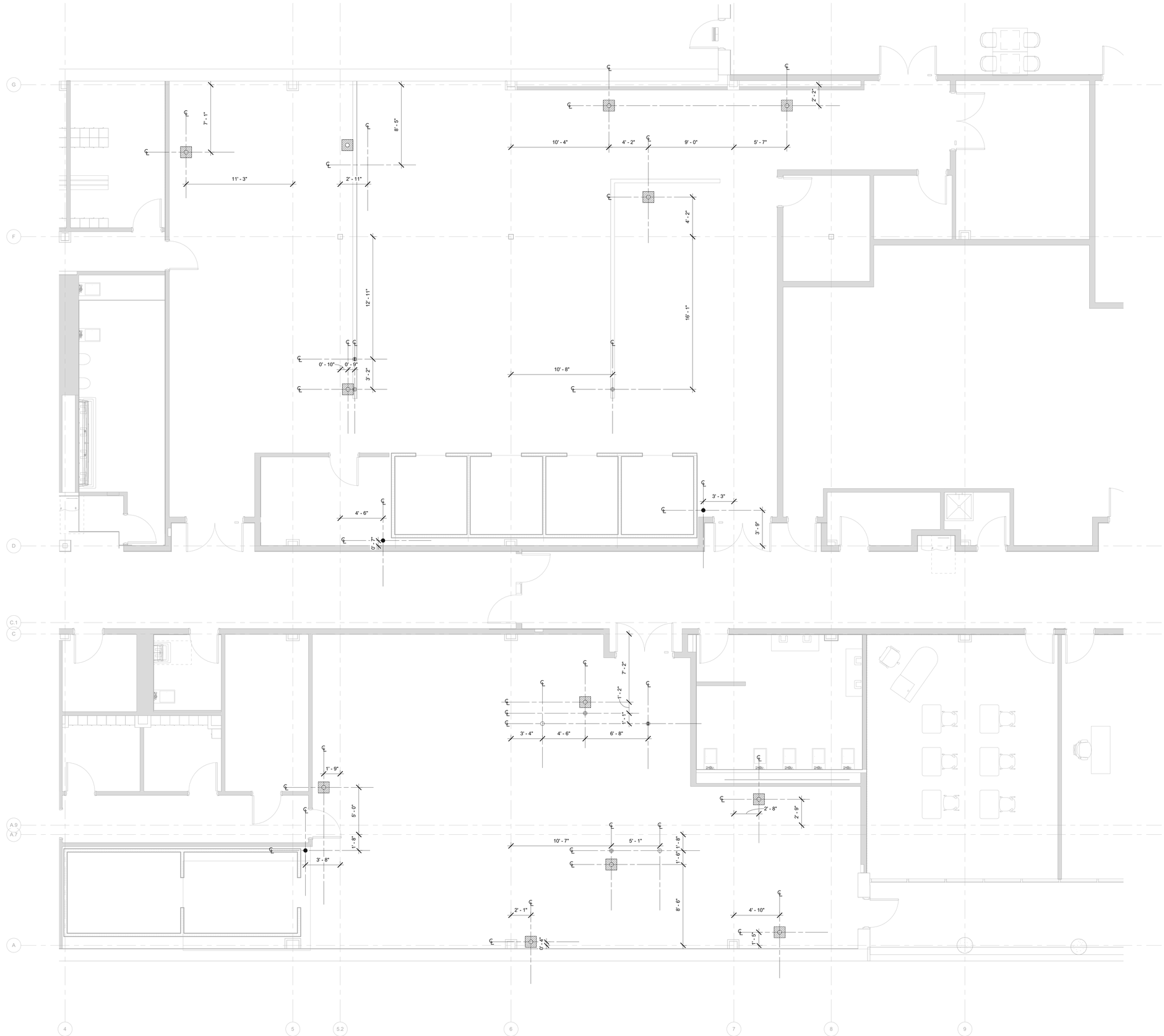

1 FOODSERVICE FLOOR PENETRATION PLAN - KITCHEN #2&3
1/4" = 1'-0"

FLOOR PENTRATION LEGEND

- CENTER LINE
- FLOOR ELECTRICAL LINE SLEEVE [BY E.C.]
- FLOOR GAS LINE SLEEVE [BY P.C.]
- FLOOR PLUMBING LINE SLEEVE [BY P.C.]
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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
FOODSERVICE FLOOR PENETRATION PLAN - KITCHEN #2&3
SHEET NUMBER:
FS-461

BID SET

DRAWN BY: jf.chov
CHECKED BY: jf.chov
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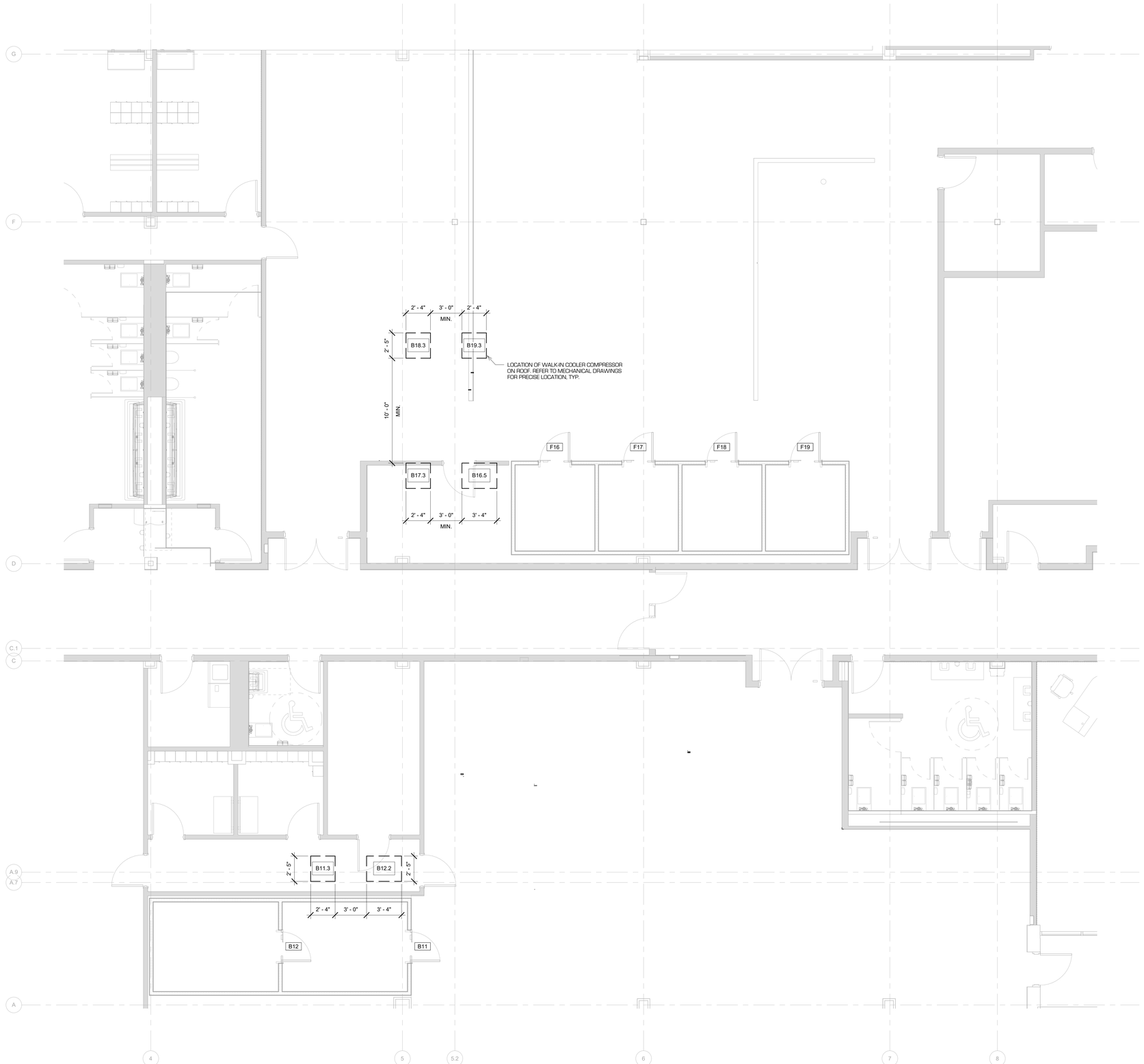

1 FOODSERVICE COMPRESSOR LOCATION PLAN
1/4" = 1'-0"

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WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
FOODSERVICE COMPRESSOR LOCATION PLAN

SHEET NUMBER:
FS-480

BID SET

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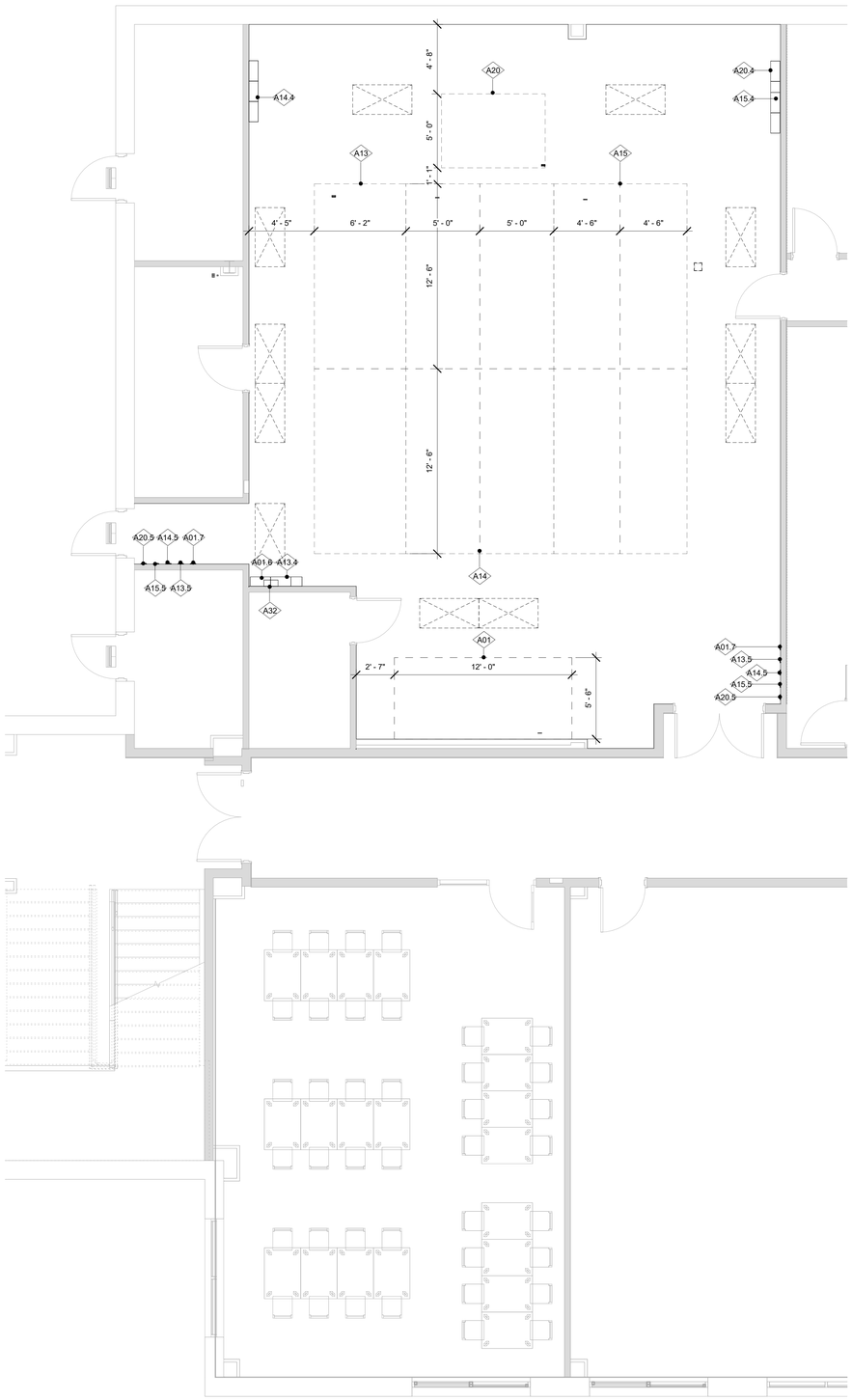

1 FOODSERVICE C.K.V. ROUGH-IN PLAN - KITCHEN #1
1/4" = 1'-0"

COMMERCIAL KITCHEN VENTILATION (CKV)/HVAC NOTES

1. ALL DUCT WORK SIZING AND ROUTING SHALL BE DETERMINED BY MECHANICAL ENGINEER.
2. ALL EXHAUST AND/OR SUPPLY FAN SIZING, PROVIDING & INSTALLING SHALL BE THE RESPONSIBILITY OF OTHERS. [UNLESS OTHERWISE NOTED]
3. BALANCING OF BUILDING HVAC SYSTEM SHALL BE PERFORMED BY HVAC CONTRACTOR PRIOR TO OCCUPANCY.
4. ALL LOCATIONS OF NEW HVAC SYSTEM DIFFUSERS AND RETURNS SHALL BE VERIFIED BY elite | studio e. SPACE IMPROPER LOCATIONS CAN AFFECT THE OPERATION OF FOODSERVICE EQUIPMENT. elite | studio e CANNOT BE HELD RESPONSIBLE FOR EQUIPMENT MALFUNCTION OR LOSS OF PRODUCT DUE TO IMPROPER VENTILATION OUTLET/INLET LOCATIONS.
5. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL C.K.V. EXHAUST HOODS, DUCTWORK AND FANS NOTED AS EXISTING TO REMAIN ARE FUNCTIONING PROPERLY PRIOR TO OCCUPANCY. MECHANICAL CONTRACTOR/ ENGINEER SHALL ALSO CONFIRM THAT CFM'S AND STATIC PRESSURE ARE ADEQUATE FOR NEW EQUIPMENT CONFIGURATION.
6. FURNISHING AND INSTALLING OF ROOF CURBS FOR KITCHEN VENTILATION EXHAUST FANS AND MAKE-UP AIR UNITS SHALL BE THE RESPONSIBILITY OF OTHERS UNLESS OTHERWISE INDICATED.
7. ALL CONTROL WIRING RELATED TO KITCHEN VENTILATION SHALL BE FURNISHED & INSTALLED BY THE MECHANICAL CONTRACTOR. ALL INTER-WIRING & FINAL CONNECTIONS SHALL BE BY THE ELECTRICAL CONTRACTOR.
8. UNI-STRUT THREADED ROD AND ALL OTHER ASSOCIATED MATERIAL AND HARDWARE ARE TO BE SUPPLIED AND INSTALLED BY COMMERCIAL KITCHEN VENTILATION CONTRACTOR.
9. HVAC ROOM DIFFUSERS SHALL NOT BE PLACED WITHIN 6' - 0" OF EXHAUST HOODS.
10. FOODSERVICE EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL DUCTWORK SHOP DRAWINGS WITH THE EXHAUST FAN MANUFACTURER FOR FINAL SELECTION & SPECIFICATIONS OF THE EXHAUST FANS[S], MAKE UP AIR FAN[S], AND/OR CONDENSATE FANS].
11. FINAL APPROVAL OF SPECIFICATIONS FOR ANY EXHAUST FANS, MAKE UP AIR UNITS, AND/OR CONDENSATE FANS SHALL BE THE RESPONSIBILITY OF THE MECHANICAL ENGINEER.

FOODSERVICE FIRE SUPPRESSION SYSTEM NOTES

1. ELECTRICIAN TO PROVIDE THE FOLLOWING CIRCUIT AT LOCATION OF FIRE SUPPRESSION SYSTEM: 1 J.B. AT 20 AMPS. (I.E.ELECTRICIAN TO WIRE TO BUILDING FIRE ALARM SYSTEM AS REQUIRED.
2. IT IS THE RESPONSIBILITY OF THE ELECTRICIAN / PLUMBER TO ENSURE THE FOLLOWING OCCURS UPON DISCHARGE / ACTIVATION OF FOODSERVICE FIRE SUPPRESSION SYSTEM:
   A. ALL SUPPLIES FEEDING ALL FOODSERVICE EQUIPMENT UNDER HOOD SHALL BE SHUT DOWN. [GAS & ELECTRIC]
   B. ALL MAKE-UP AIR FANS SHALL BE SHUT DOWN. [AS PER LOCAL CODE]
   C. ALL EXHAUST FANS SHALL TURN ON. [AS PER LOCAL CODE]
   D. BUILDING FIRE ALARM SYSTEM WILL ACTIVATE AS REQUIRED.
   E. ALL DRAWINGS, FILING, PERMITS AND TESTING SHALL BE THE RESPONSIBILITY OF FIRE SUPPRESSION CONTRACTOR.
3. ELECTRICIAN TO FURNISH & INSTALL SHUNT-TRIP BREAKER.
4. THE F.S.E.C. SHALL PROPERLY SIZE AND FURNISH ALL GAS SOLENOID VALVES REQUIRED FOR COOKING EQUIPMENT TO THE GENERAL CONTRACTOR FOR INSTALLATION BY THE PLUMBING AND / OR ELECTRICAL CONTRACTORS.

IMPORTANT NOTE FOR MECHANICAL ENGINEER

DESIGN & SPECIFICATIONS FOR ANY NEW EXHAUST HOODS CANNOT BE FINALIZED UNTIL INFORMATION ON NEW [OR EXISTING] EXHAUST FAN[S], MAKE UP AIR UNIT[S] AND / OR RELATED DUCTWORK IS FIRST PROVIDED TO elite | studio e FOR REVIEW AND FORWARDING TO NEW HOOD MANUFACTURER.

VENTILATION LEGEND

EXHAUST DUCT
KCD DIFFUSER
SUPPLY DUCT

NOTE: REFER TO MANUFACTURER'S DETAIL DRAWINGS

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
FOODSERVICE C.K.V. ROUGH-IN PLAN - KITCHEN #1

SHEET NUMBER:
FS-500

BID SET

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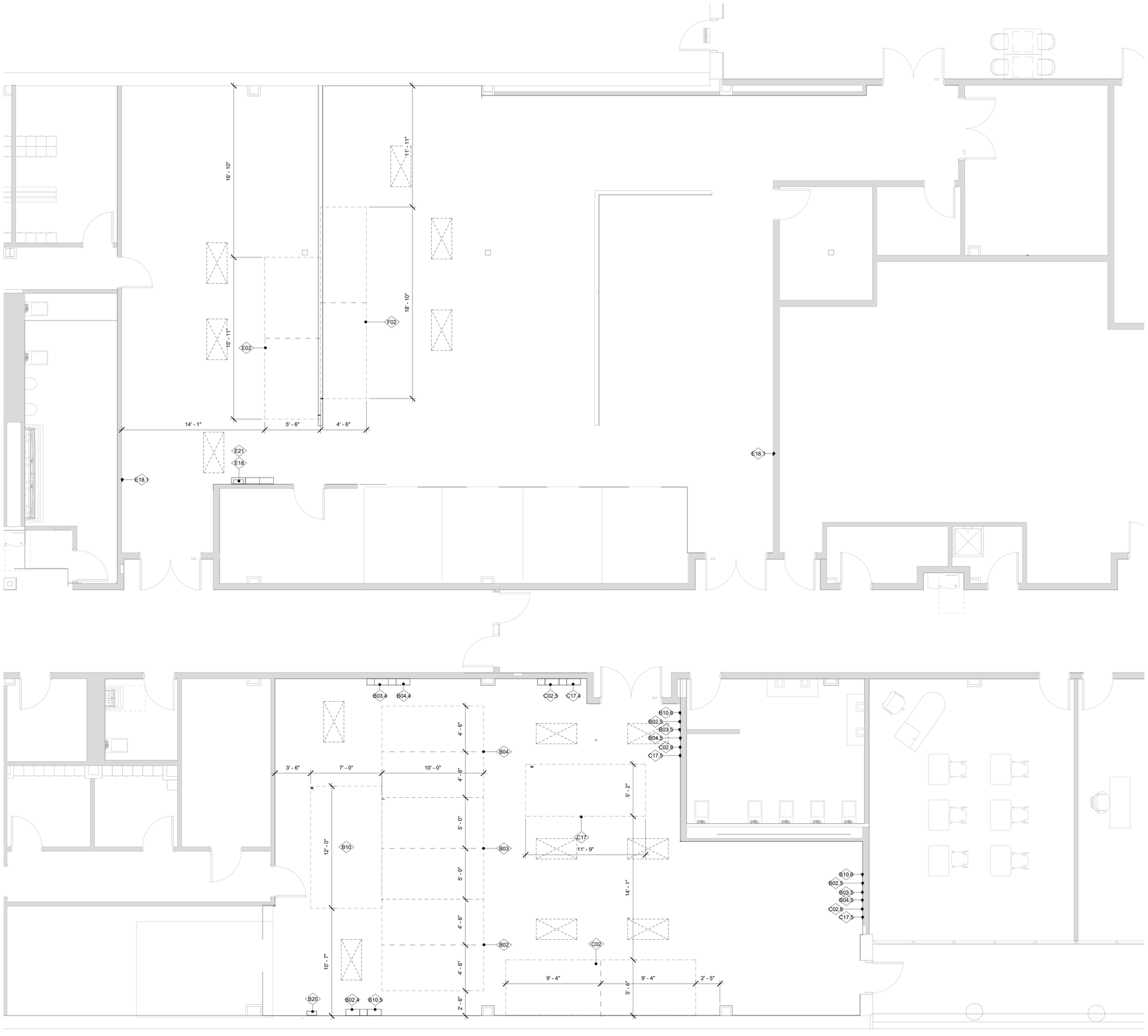

1 FOODSERVICE C.K.V. ROUGH-IN PLAN - KITCHEN #2&3
1/4" = 1'-0"

COMMERCIAL KITCHEN VENTILATION (CKV)/HVAC NOTES

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VENTILATION LEGEND

EXHAUST DUCT

SUPPLY DUCT

KCD DIFFUSER

IMPORTANT NOTE FOR MECHANICAL ENGINEER

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NOTE: REFER TO MANUFACTURER'S DETAIL DRAWINGS

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
FOODSERVICE C.K.V. ROUGH-IN PLAN - KITCHEN #2&3

SHEET NUMBER:
FS-501

BID SET

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CHECKED BY: Checker
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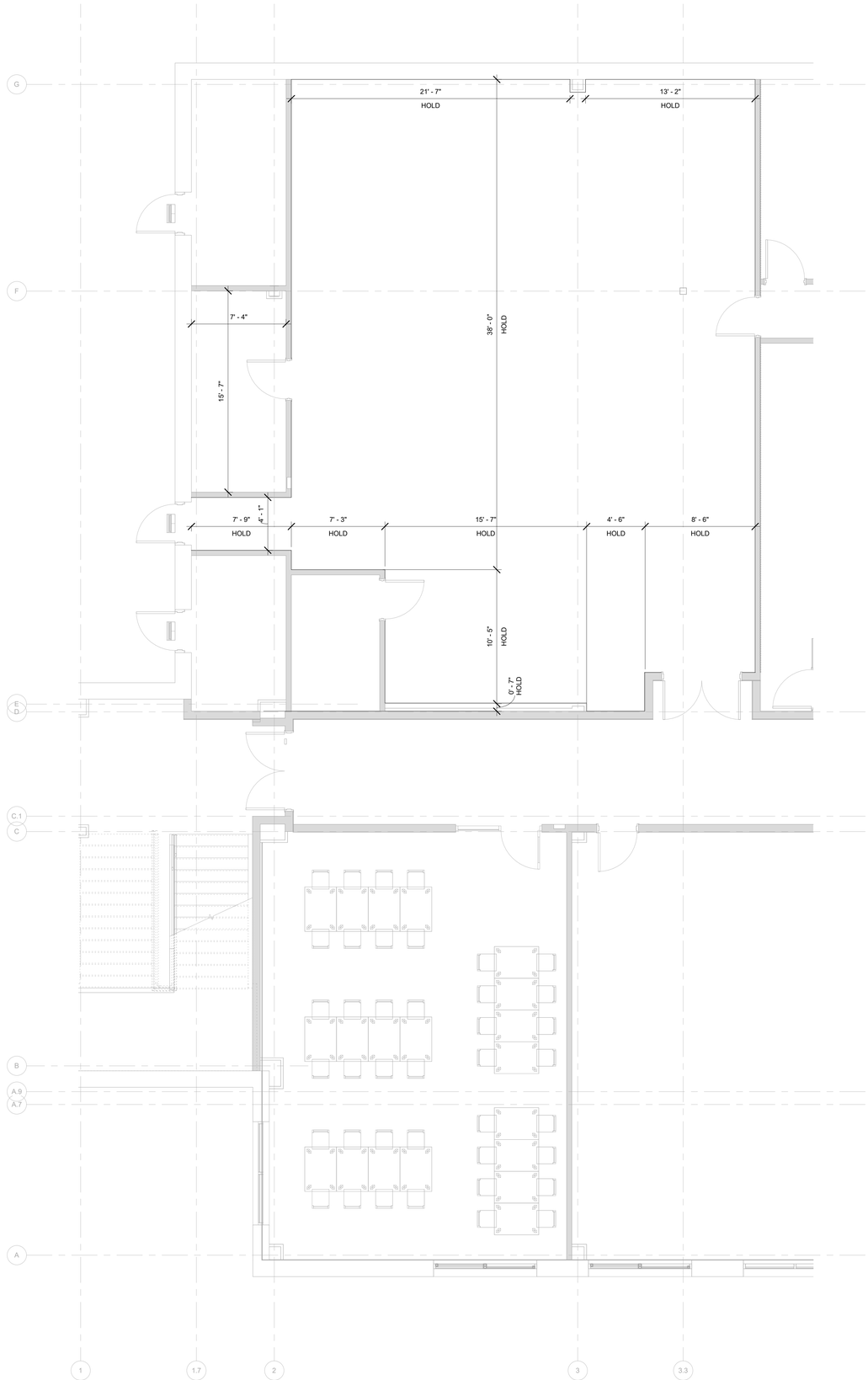

1 FOODSERVICE CRITICAL DIMENSION PLAN - KITCHEN #1
1/4" = 1'-0"

CRITICAL DIMENSION LEGEND

2' - 2" HOLD — CRITICAL DIMENSION

NOTE: ALL DIMENSIONS ON THIS SHEET ARE TO BE HELD

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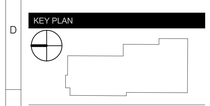
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
FOODSERVICE CRITICAL DIMENSIONS PLAN - KITCHEN #1

SHEET NUMBER:
FS-520

BID SET

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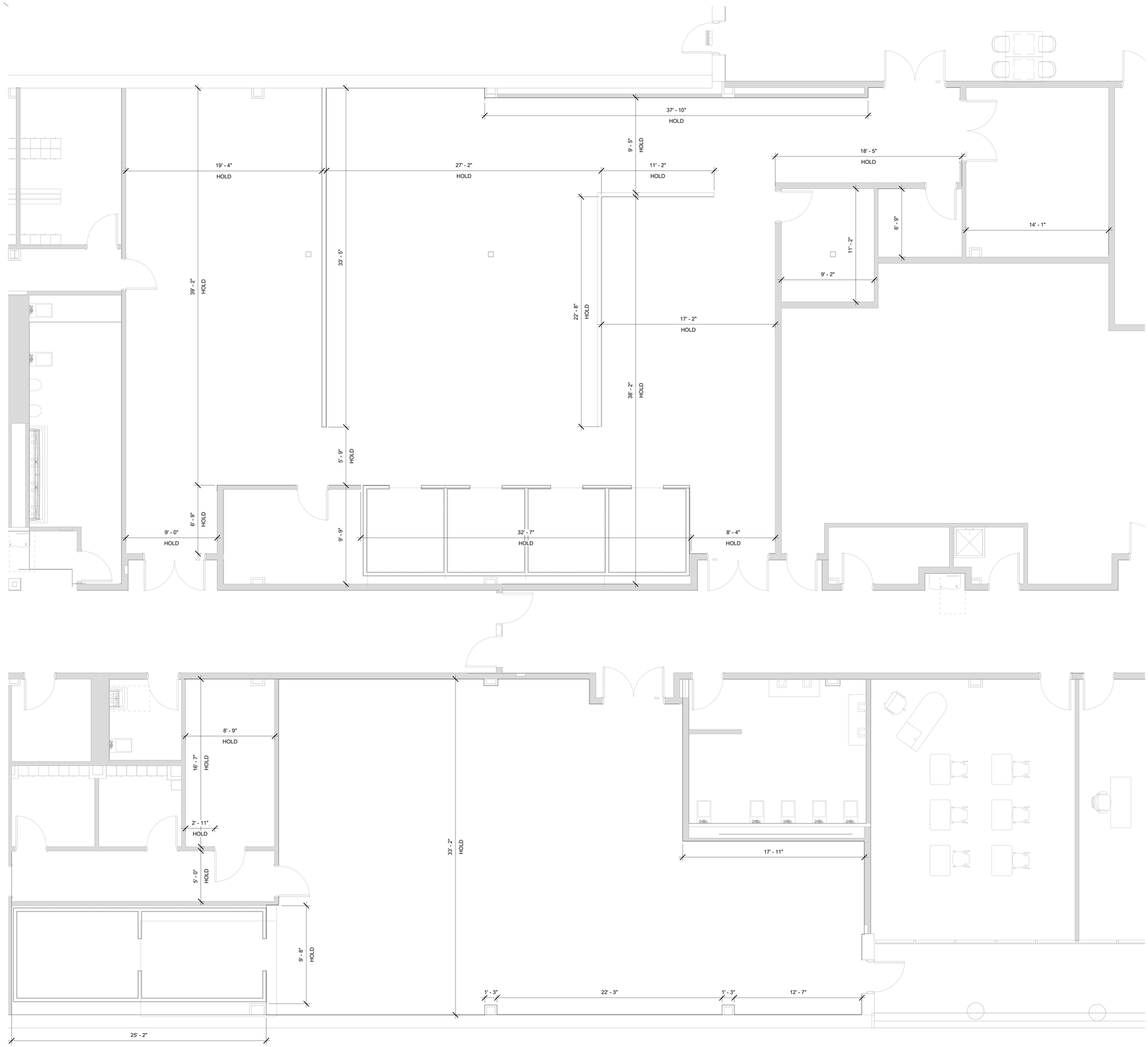

1 FOODSERVICE CRITICAL DIMENSION PLAN - KITCHEN #2&3
1/4" = 1'-0"

CRITICAL DIMENSION LEGEND

2' - 2" HOLD — CRITICAL DIMENSION

NOTE: ALL DIMENSIONS ON THIS SHEET ARE TO BE HELD

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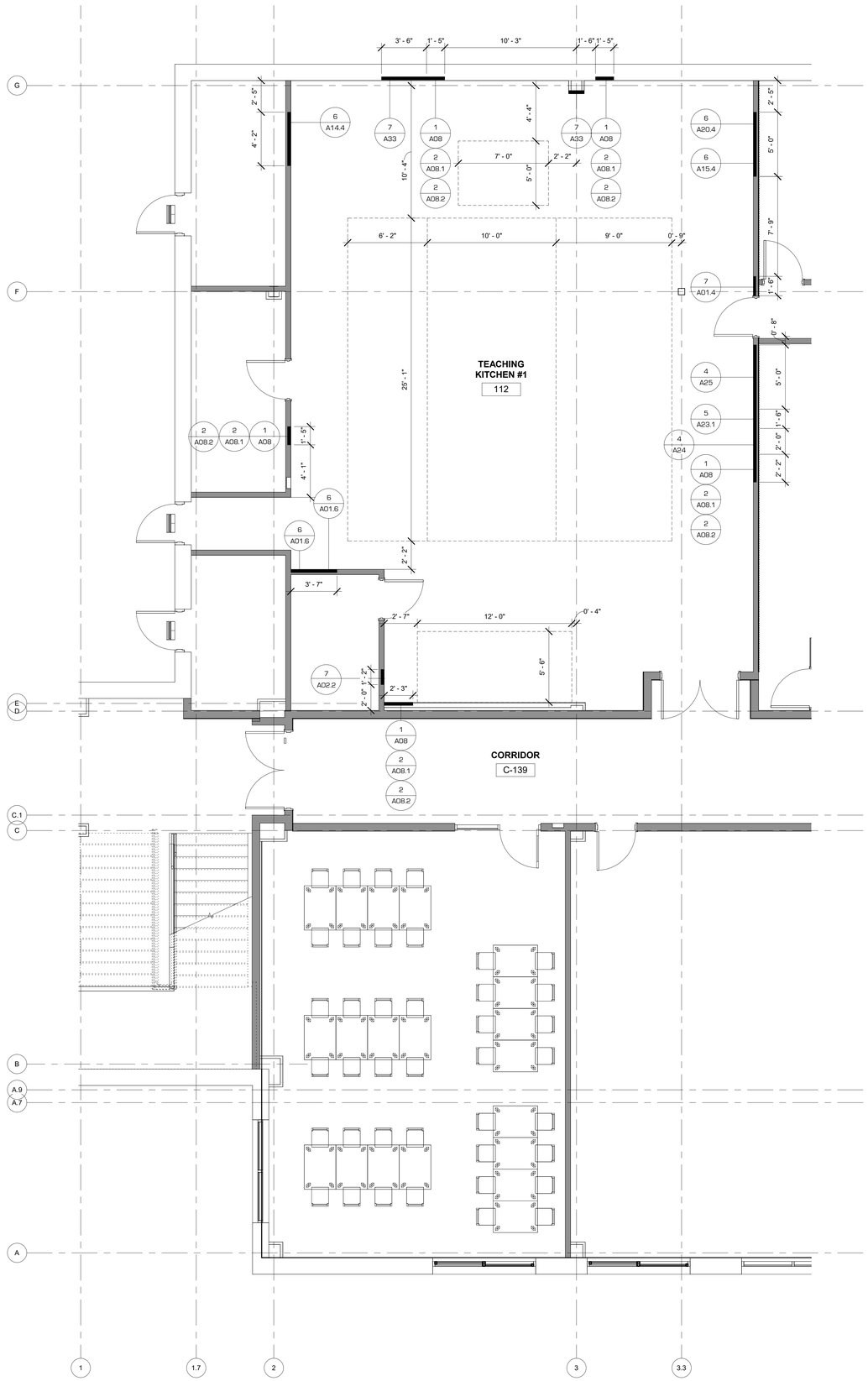
KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: FOODSERVICE CRITICAL DIMENSIONS PLAN - KITCHEN #2&3
SHEET NUMBER: FS-521

BID SET



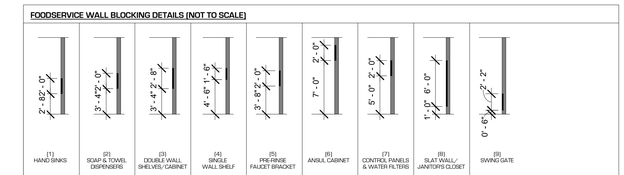
1 FOODSERVICE WALL BLOCKING/CEILING SUPPORT PLAN - KITCHEN #1
1/4" = 1'-0"

WALL BLOCKING/CEILING SUPPORT LEGEND

- REF # / ITEM # — WALL-BLOCKING TAG
- 2' - 2" — CRITICAL DIMENSION
- WALL BLOCKING [BY G.C.]
- FOODSERVICE EQUIPMENT CEILING SUPPORTS [BY G.C.]

NOTE: ALL DIMENSIONS ON THIS SHEET ARE TO BE HELD

FOODSERVICE WALL BLOCKING DETAILS (NOT TO SCALE)



[1] HAND SINKS
[2] SOAP & TOWEL DISPENSERS
[3] DOUBLE WALL SHELVES/CABINET
[4] SINGLE WALL SHELF
[5] PRE-RINSE FAUCET BRACKET
[6] ANSUL CABINET
[7] CONTROL PANELS & WATER FILTERS
[8] SLAT WALL/ JANITORS CLOSET
[9] SWING GATE

WALL BLOCKING TO BE 16-GAUGE GALVANIZED METAL OR 3/-4" EXTERIOR PLYWOOD. ALL WALL BLOCKING SHALL BE CONCEALED AND SECURELY ATTACHED TO WALL FRAMING WITHIN WALLS [BEHIND GYPSUM BOARD AND / OR FINISHES].

WALL BLOCKING LENGTHS SHOWN ARE MINIMUM. ALWAYS EXTEND ALL BLOCKING TO NEXT STUD IN EACH DIRECTION.

ALL WALL BLOCKING TO BE SUPPLIED & INSTALLED BY GENERAL CONTRACTOR [UNLESS OTHERWISE NOTED].

ANY SITE SPECIFIC CONDITIONS THAT REQUIRE DEVIATION FROM THESE INSTRUCTIONS, AND NOT COVERED IN PLAN NOTES, MUST BE COORDINATED WITH FOOD SERVICE EQUIPMENT CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

ALL WALL BLOCKING SHOULD EXCEED A MINIMUM OF 3" PAST THE EQUIPMENT FOOTPRINT ON BOTH SIDES:

* CORNER GUARDS ARE TO BE 18-20 GAUGE S/S, 2"X2",AND SECURED IN THE FOLLOWING MANNER:

1. *CORNER GUARDS SECURED TO S/S SURFACE ARE SECURED WITH "POP" RIVETS AND EDGES SILICONED. CORNER GUARDS TO BEGIN AT TOP OF SANITARY COVED MOLDING AND EXTEND TO A MINIMUM OF 48" AFF.

2. *CORNER GUARDS ARE TO BE SUPPLIED AND INSTALLED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.

3. *CORNER GUARDS SECURED TO FRP SURFACE ARE SECURED WITH CONTACT CEMENT AND EDGES SILICONED.

4. *GENERAL CONTRACTOR TO PROVIDE TRUE CONSISTANT 90 DEGREE ANGLES TO FACILITATE CORNER GUARD INSTALLATION.

[9] S/S CORNER GUARDS

S/S WALL CLADDING SECURED TO WALL SURFACE WITH CONTACT CEMENT. TRIM STRIPS AND EDGES ARE SILICONED.

S/S WALL CLADDING & STRIPS TO BE SUPPLIED AND INSTALLED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR. IN COORDINATION WITH G.C. AND TRADE.

[10] S/S WALL CLADDING

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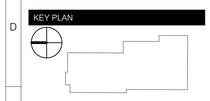

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
FOODSERVICE WALL BLOCKING PLAN - KITCHEN #1
SHEET NUMBER:
FS-540

BID SET

DRAWN BY: jf.ortiv
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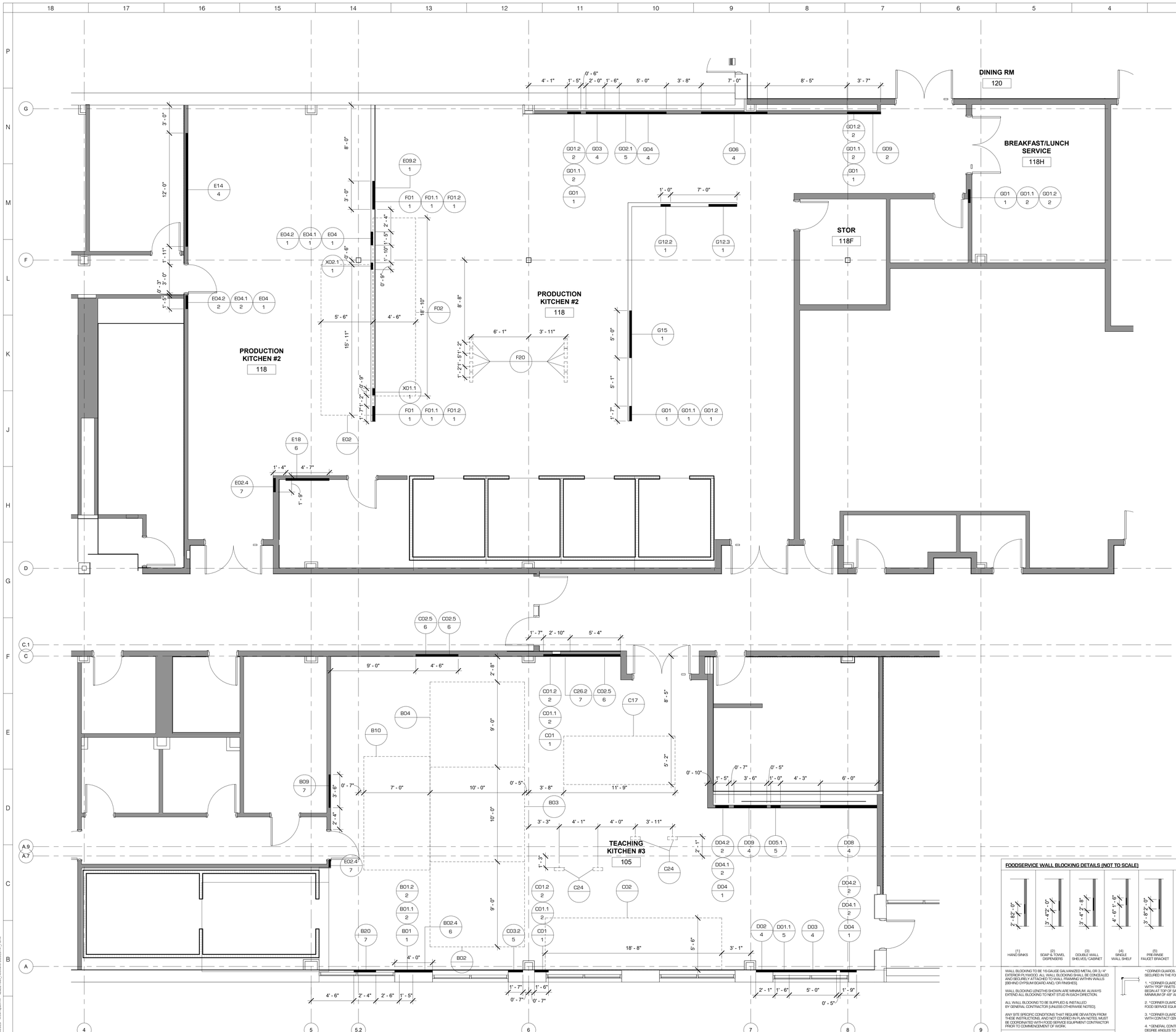


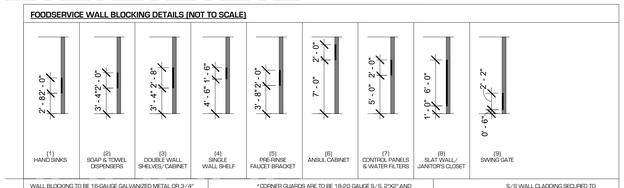
1 FOODSERVICE WALL BLOCKING/CEILING SUPPORT PLAN - KITCHEN #2 & 3
1/4" = 1'-0"

WALL BLOCKING/CEILING SUPPORT LEGEND

- REF # / ITEM # — WALL-BLOCKING TAG
- 2' - 2" — CRITICAL DIMENSION
- WALL BLOCKING [BY G.C.]
- FOODSERVICE EQUIPMENT CEILING SUPPORTS [BY G.C.]

NOTE: ALL DIMENSIONS ON THIS SHEET ARE TO BE HELD

FOODSERVICE WALL BLOCKING DETAILS (NOT TO SCALE)



(1) HAND SINKS | (2) SOAP & TOWEL DISPENSERS | (3) DOUBLE WALL SHELVES/ CABINET | (4) SINGLE WALL SHELF | (5) PRE-RINSE FAUCET BRACKET | (6) ANSUL CABINET | (7) CONTROL PANELS & WATER FILTERS | (8) SLAT WALL/ JANITOR'S CLOSET | (9) SWING GATE

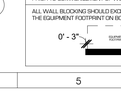
WALL BLOCKING TO BE 16-GAUGE GALVANIZED METAL OR 3/4" EXTERIOR PLYWOOD. ALL WALL BLOCKING SHALL BE CONCEALED AND SECURELY ATTACHED TO WALL FRAMING WITHIN WALLS (BEHIND GYPSUM BOARD AND/OR FINISHES).

WALL BLOCKING LENGTHS SHOWN ARE MINIMUM. ALWAYS EXTEND ALL BLOCKING TO NEXT STUD IN EACH DIRECTION.

ALL WALL BLOCKING TO BE SUPPLIED & INSTALLED BY GENERAL CONTRACTOR (UNLESS OTHERWISE NOTED).

ANY SITE SPECIFIC CONDITIONS THAT REQUIRE DEVIATION FROM THESE INSTRUCTIONS, AND NOT COVERED IN PLAN NOTES, MUST BE COORDINATED WITH FOOD SERVICE EQUIPMENT CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.

ALL WALL BLOCKING SHOULD EXCEED A MINIMUM OF 3" PAST THE EQUIPMENT FOOTPRINT ON BOTH SIDES



*CORNER GUARDS ARE TO BE 18-20 GAUGE S./S. 2"X2" AND SECURED IN THE FOLLOWING MANNER.

1. *CORNER GUARDS SECURED TO S./S.SURFACE ARE SECURED WITH "POP" RIVETS AND EDGES SILICONED. CORNER GUARDS TO BEGIN AT TOP OF SANITARY COVED MOULDING AND EXTEND TO A MINIMUM OF 48" AFF.

2. *CORNER GUARDS ARE TO BE SUPPLIED AND INSTALLED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR.

3. *CORNER GUARDS SECURED TO FRP SURFACE ARE SECURED WITH CONTACT CEMENT AND EDGES SILICONED.

4. *GENERAL CONTRACTOR TO PROVIDE TRUE CONSISTANT 90 DEGREE ANGLES TO FACILITATE CORNER GUARD INSTALLATION.

[9] S/S CORNER GUARDS

S/S WALL CLADDING SECURED TO WALL SURFACE WITH CONTACT CEMENT. TRIM STRIPS AND EDGES ARE SILICONED.

S/S WALL CLADDING & STRIPS TO BE SUPPLIED AND INSTALLED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR, IN COORDINATION WITH G.C. AND TRADE.

[10] S/S WALL CLADDING

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME:
FOODSERVICE WALL BLOCKING PLAN - KITCHEN #2&3
SHEET NUMBER:
FS-541

BID SET

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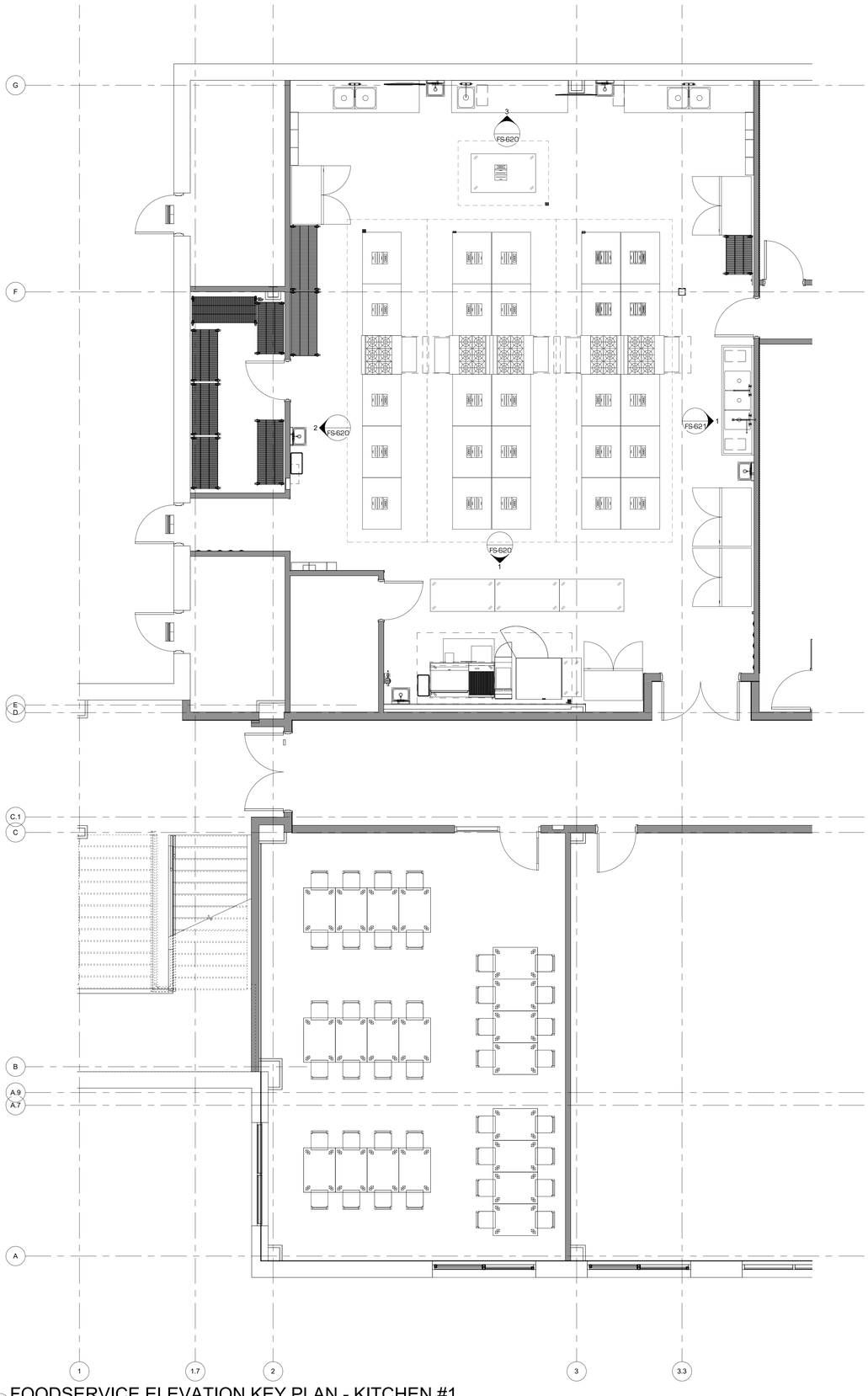

1 FOODSERVICE ELEVATION KEY PLAN - KITCHEN #1
1/4" = 1'-0"

ELEVATION KEY PLAN LEGEND

1 Ref / A101 / 1 Ref / 1 Ref — ELEVATION IDENTIFICATION SYMBOL

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/4" = 1'-0"

SHEET NAME:
FOODSERVICE ELEVATION KEY PLAN - KITCHEN #1

SHEET NUMBER:
FS-600

BID SET

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1 FOODSERVICE ELEVATION KEY PLAN - KITCHEN #2&3
1/4" = 1'-0"

ELEVATION KEY PLAN LEGEND

1 Ref / A101 / 1 Ref / 1 Ref — ELEVATION IDENTIFICATION SYMBOL

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: FOODSERVICE ELEVATION KEY PLAN - KITCHEN #2&3
SHEET NUMBER: FS-601

BID SET

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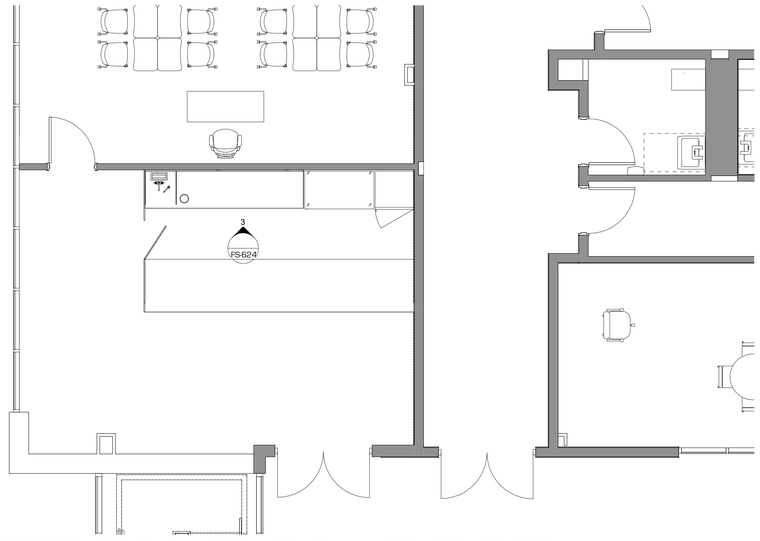

1 FOODSERVICE ELEVATION KEY PLAN - SCHOOL STORE
1/4" = 1'-0"

ELEVATION KEY PLAN LEGEND

1 Ref / Ref / A101 / Ref / 1 Ref — ELEVATION IDENTIFICATION SYMBOL

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
FOODSERVICE ELEVATION KEY PLAN - SCHOOL STORE
SHEET NUMBER:
FS-602

BID SET

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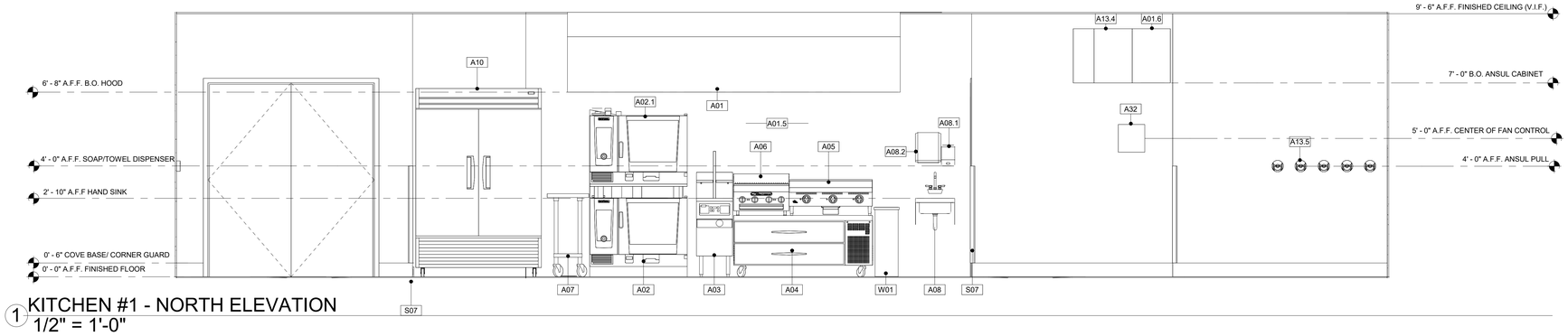
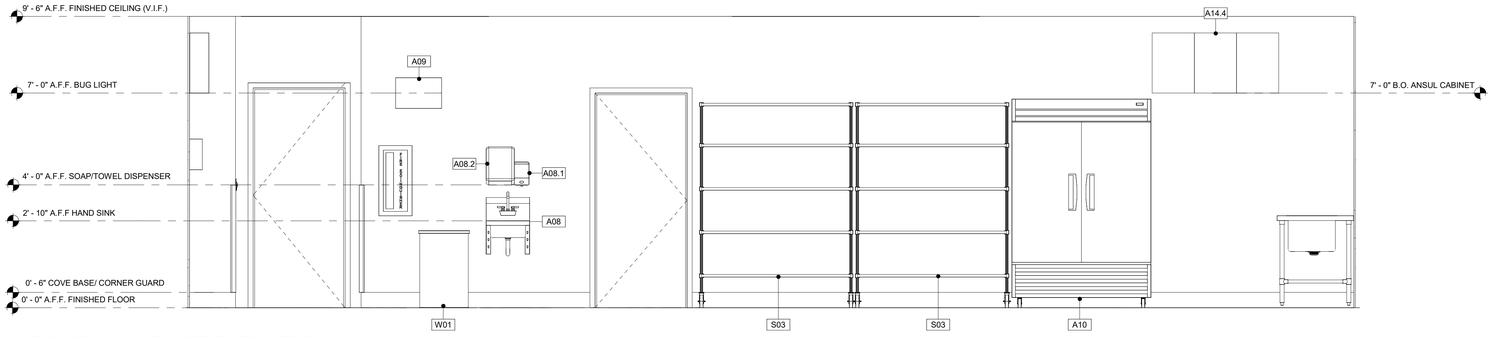
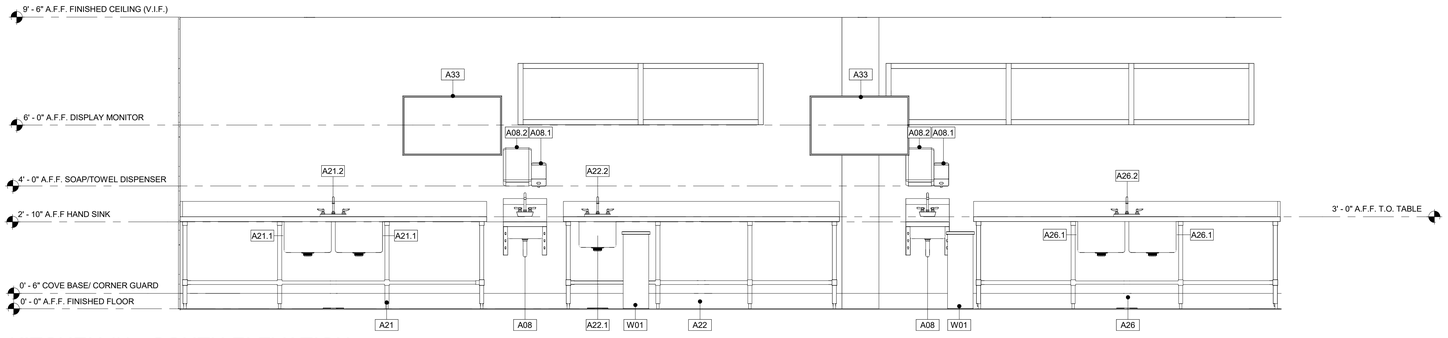


1 KITCHEN #1 - NORTH ELEVATION
1/2" = 1'-0"



2 KITCHEN #1 - EAST ELEVATION
1/2" = 1'-0"



3 KITCHEN #1 - SOUTH ELEVATION
1/2" = 1'-0"

ELEVATION LEGEND:

- WALL END/ COLUMN
- SOLID SURFACE
- PLASTIC LAMINATE
- STAINLESS STEEL
- X / FS-660 — SECTION IDENTIFICATION SYMBOL

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: As indicated
SHEET NAME: FOODSERVICE ELEVATIONS
SHEET NUMBER: FS-620

BID SET

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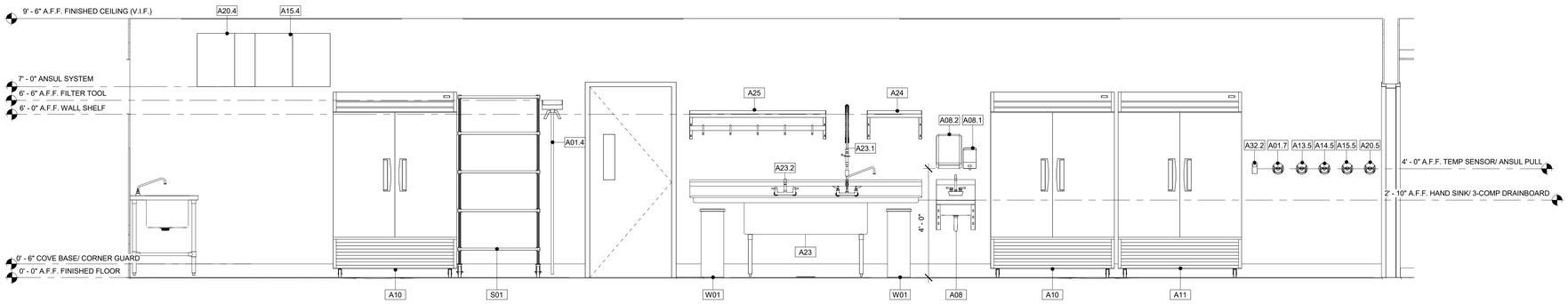
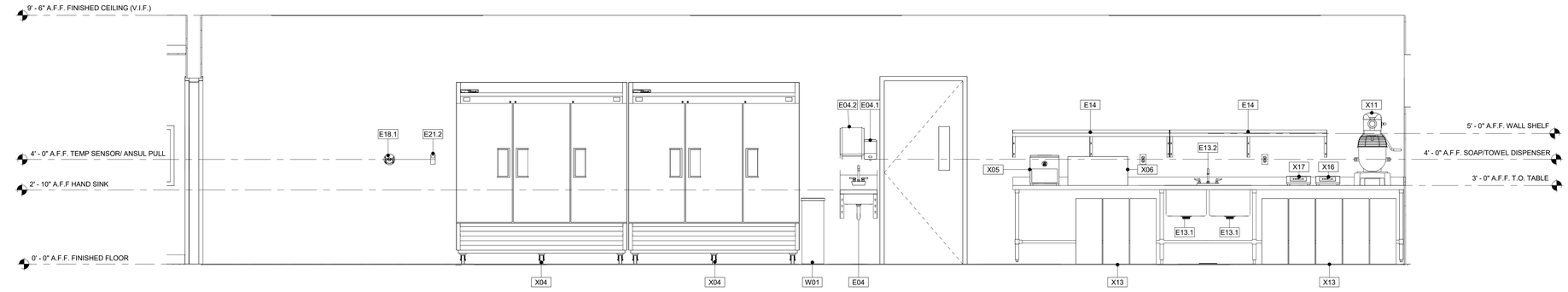
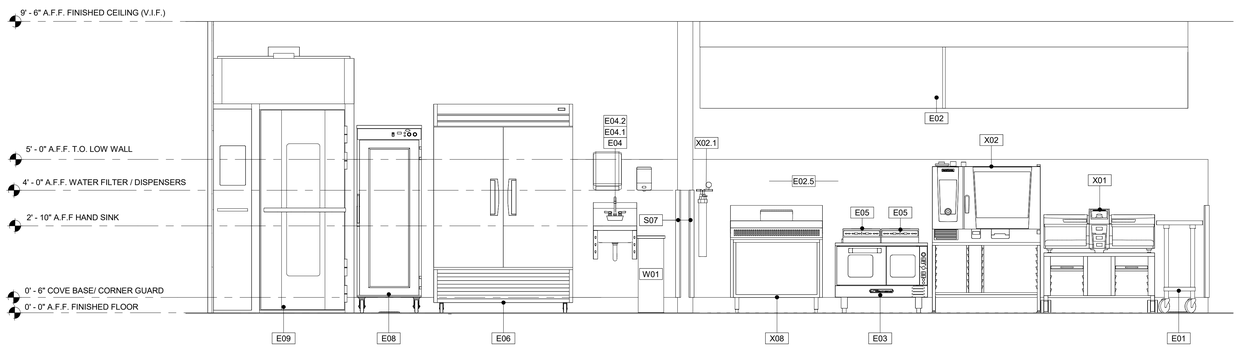


1 KITCHEN #1 - WEST ELEVATION
1/2" = 1'-0"



2 KITCHEN #2 - BAKERY EAST ELEVATION
1/2" = 1'-0"



3 KITCHEN #2 - BAKERY WEST ELEVATION
1/2" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/2" = 1'-0"
SHEET NAME:
FOODSERVICE ELEVATIONS
SHEET NUMBER:
FS-621

BID SET

DRAWN BY: Author
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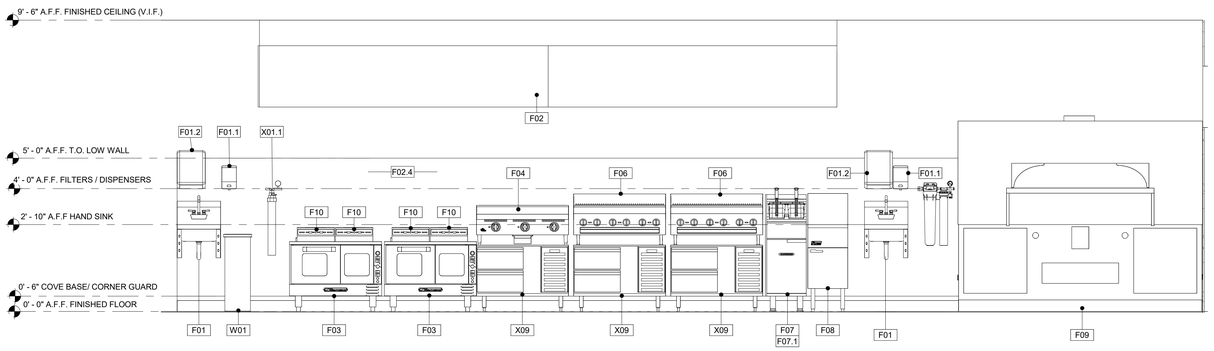
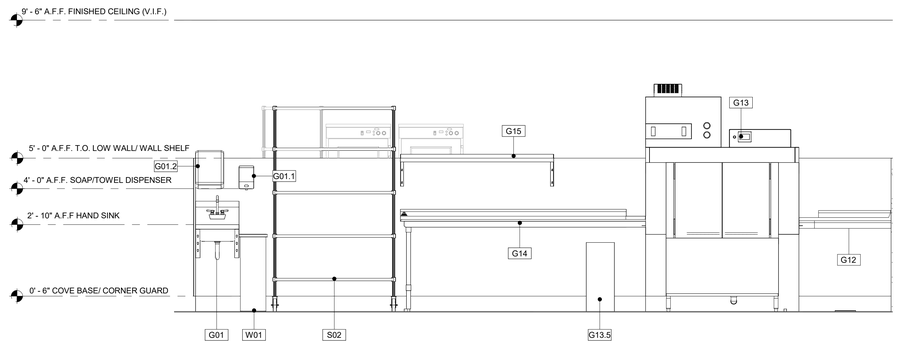
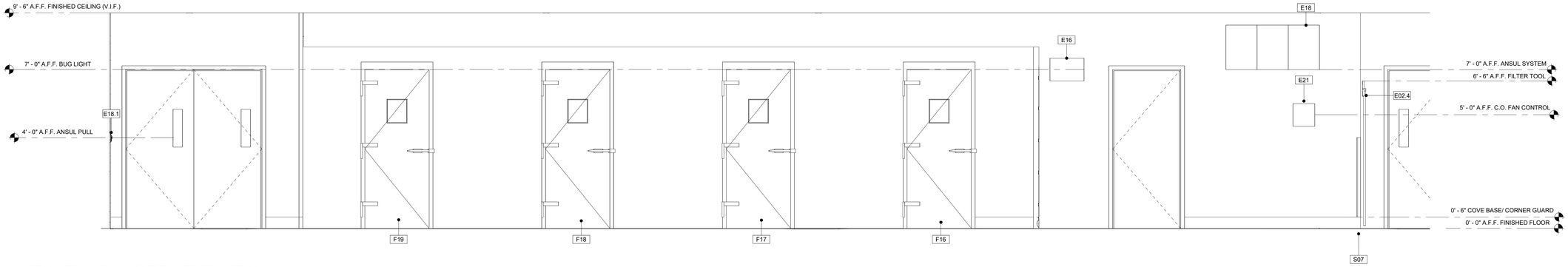


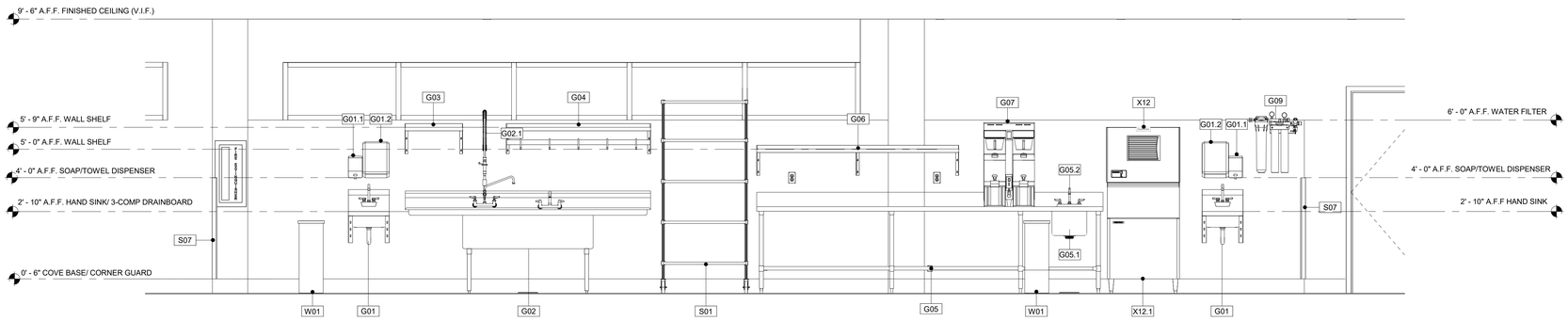
1 KITCHEN #2 - COOKLINE FRONT ELEVATION
1/2" = 1'-0"



4 KITCHEN #2 - WAREWASHING ELEVATION
1/2" = 1'-0"



2 KITCHEN #2 - NORTH ELEVATION
1/2" = 1'-0"



3 KITCHEN #2 - SOUTH ELEVATION
1/2" = 1'-0"

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SED #: 50-90-00-00-0-044-001

65 PARROT RD,
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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/2" = 1'-0"

SHEET NAME:
FOODSERVICE ELEVATIONS

SHEET NUMBER:

FS-622

BID SET

DRAWN BY: JFOY
CHECKED BY: JFOY
Autodesk Docs://1061 - Rockland BOCES - West Nyack NY - (2023)/1061_Rockland BOCES NY_FS.rvt
6/12/2025 11:49:20 AM

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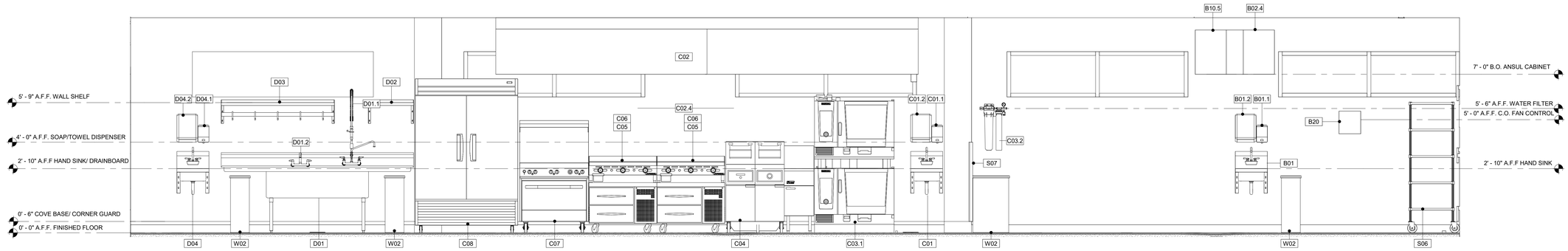
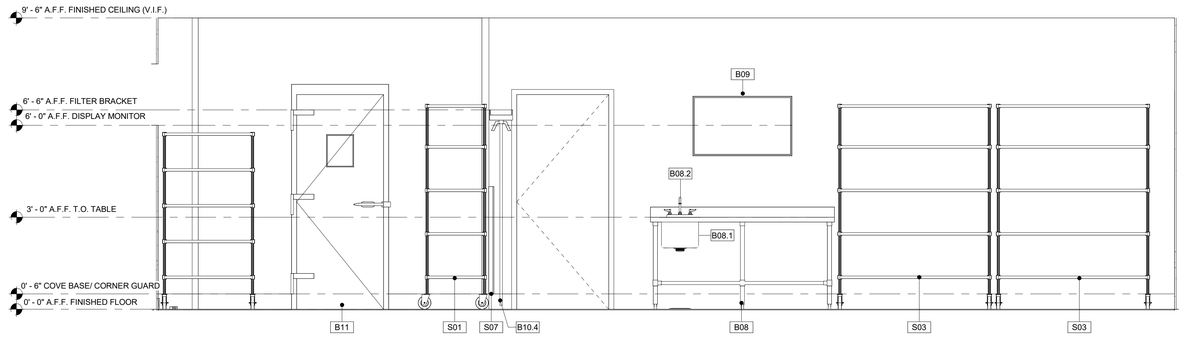
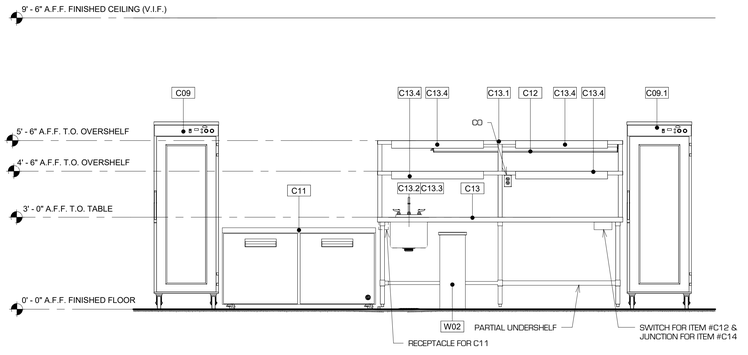


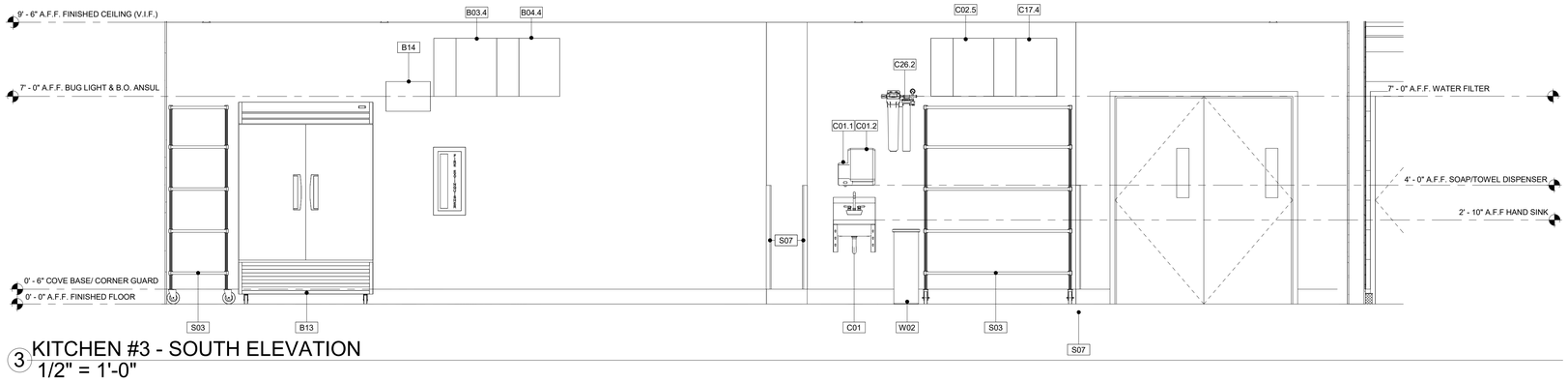
1 KITCHEN #3 - NORTH ELEVATION
1/2" = 1'-0"



2 KITCHEN #3 - EAST ELEVATION
1/2" = 1'-0"



4 KITCHEN #3 PREP - NORTH ELEVATION
1/2" = 1'-0"



3 KITCHEN #3 - SOUTH ELEVATION
1/2" = 1'-0"

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SED #: 50-90-00-00-0-044-001

65 PARROT RD.
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/2" = 1'-0"
SHEET NAME: FOODSERVICE ELEVATIONS
SHEET NUMBER: FS-623

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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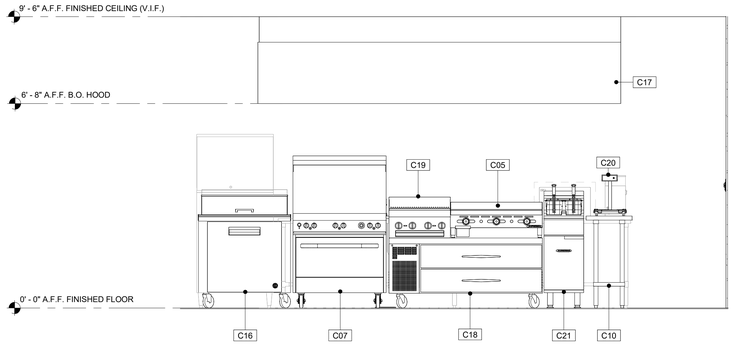
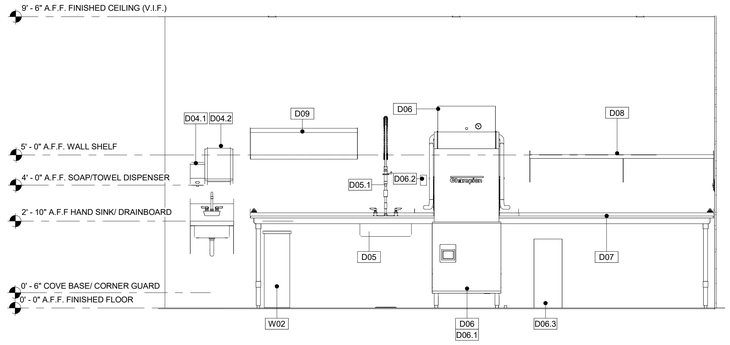
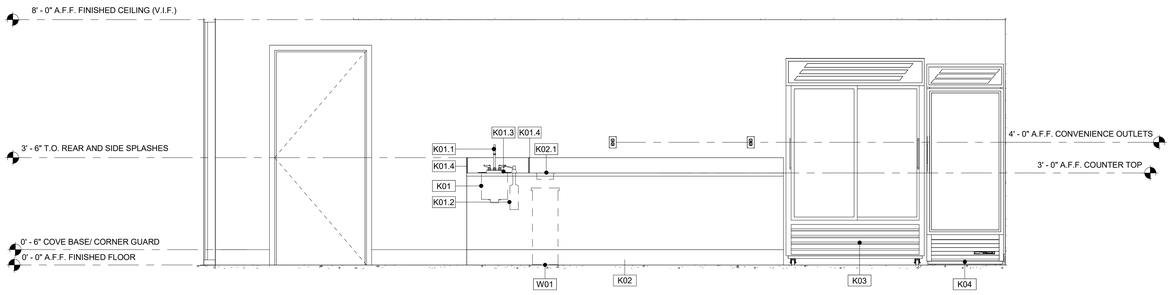


1 KITCHEN #3 - COOKLINE ELEVATION
1/2" = 1'-0"



2 KITCHEN #3 - WAREWASHING ELEVATION
1/2" = 1'-0"



3 SCHOOL STORE - BACK COUNTER ELEVATION
1/2" = 1'-0"

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SED #: 50-90-00-00-0-044-001

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WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE: 1/2" = 1'-0"
SHEET NAME: FOODSERVICE ELEVATIONS
SHEET NUMBER: FS-624

BID SET

DRAWN BY: Author
CHECKED BY: Checker
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - v2025 1504_Rockland BOCES NY FS.rvt
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PROJECT NUMBER: 2333403.01
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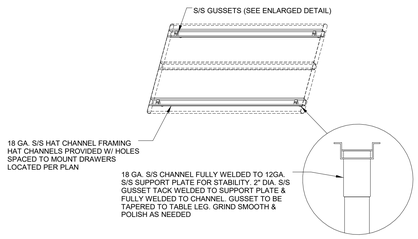
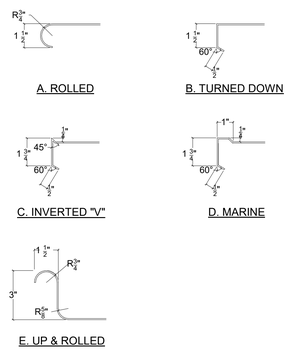


CHANNELS TO BE SECURED TO TABLE TOP
W/DOUBLE SIDED SOUND DEADENING TAPE
(COMPONENT HARDWARE MODEL #2076-1250)
AND TACK WELDED TO TURN DOWN FLANGES AT ENDS.

ALL WELDS TO BE GROUND SMOOTH AND POLISHED
AS NEEDED.

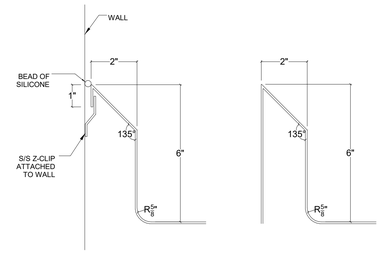
DTL. 1.01 STANDARD HAT CHANNEL FRAMING

SCALE: N.T.S.



DTL. 1.02 EDGES

SCALE: N.T.S.



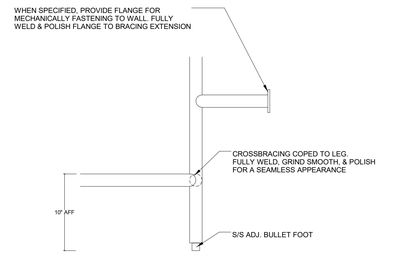
SPLASH TO BE 6" HIGH UNLESS OTHERWISE SPECIFIED, TURNED BACK 2" AT 45 DEGREES.

FOR APPLICATIONS AGAINST WALL, TURN DOWN 1" AND PROVIDE OFFSET "Z"-CLIP TO SECURE TO WALL.
(1) Z-CLIP FOR EVERY 3'-0" SECTION OF SPLASH.

FOR APPLICATIONS WHERE BACK OF SPLASH IS EXPOSED, FULLY ENCLOSE BACK OF SPLASH
WITH MATCHING S/S PANEL. FULLY WELD, GRIND SMOOTH, & BLENDED POLISH
SO THAT NO SEAMS ARE VISIBLE AND FINISHED PRODUCT APPEARS AS ONE PIECE CONSTRUCTION.

DTL. 1.03 SPLASHES

SCALE: N.T.S.

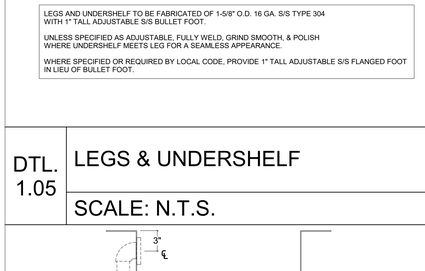


LEGS AND CROSSBRACING TO BE FABRICATED OF 1-5/8" O.D. 16 GA. S/S TYPE 304 TUBES
WITH 1" TALL ADJUSTABLE S/S BULLET FOOT.

WHERE SPECIFIED OR REQUIRED BY LOCAL CODE, PROVIDE 1" TALL ADJUSTABLE S/S FLANGED FOOT
IN LIEU OF BULLET FOOT.

DTL. 1.04 LEGS & CROSSBRACING

SCALE: N.T.S.



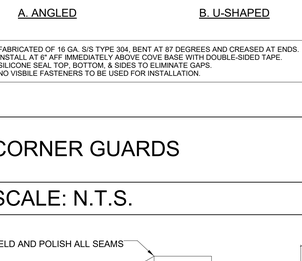
LEGS AND UNDERSHELF TO BE FABRICATED OF 1-5/8" O.D. 16 GA. S/S TYPE 304
WITH 1" TALL ADJUSTABLE S/S BULLET FOOT.

UNLESS SPECIFIED AS ADJUSTABLE, FULLY WELD, GRIND SMOOTH, & POLISH
WHERE UNDERSHELF MEETS LEG FOR A SEAMLESS APPEARANCE.

WHERE SPECIFIED OR REQUIRED BY LOCAL CODE, PROVIDE 1" TALL ADJUSTABLE S/S FLANGED FOOT
IN LIEU OF BULLET FOOT.

DTL. 1.05 LEGS & UNDERSHELF

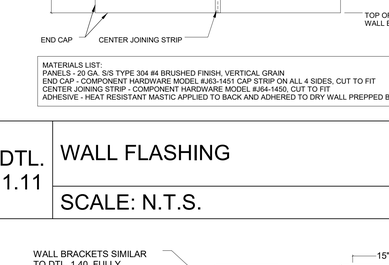
SCALE: N.T.S.



FABRICATED OF 16 GA. S/S TYPE 304, BENT AT 87 DEGREES AND CREASED AT ENDS.
INSTALL AT 6" AFF IMMEDIATELY ABOVE COVE BASE WITH DOUBLE-SIDED TAPE.
SILICONE SEAL TOP, BOTTOM, & SIDES TO ELIMINATE GAPS.
NO VISIBLE FASTENERS TO BE USED FOR INSTALLATION.

DTL. 1.10 CORNER GUARDS

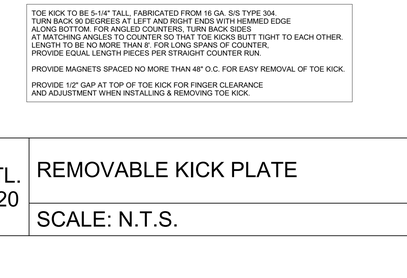
SCALE: N.T.S.



MATERIALS LIST:
PANELS - 20 GA. S/S TYPE 304 #4 BRUSHED FINISH, VERTICAL GRAIN
END CAP - COMPONENT HARDWARE MODEL #J63-1451 CAP STRIP ON ALL 4 SIDES, CUT TO FIT
CENTER JOINING STRIP - COMPONENT HARDWARE MODEL #J64-1450, CUT TO FIT
ADHESIVE - HEAT RESISTANT MASTIC APPLIED TO BACK AND ADHERED TO DRY WALL PREPPED BY GC

DTL. 1.11 WALL FLASHING

SCALE: N.T.S.



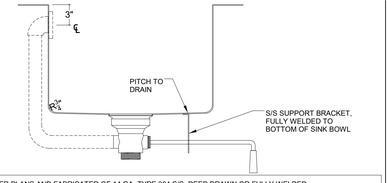
TOE KICK TO BE 5-1/4" TALL, FABRICATED FROM 16 GA. S/S TYPE 304.
TURN BACK 90 DEGREES AT LEFT AND RIGHT ENDS WITH HEMMED EDGE
ALONG BOTTOM. FOR ANGLED COUNTERS, TURN BACK SIDES
AT MATCHING ANGLES TO COUNTER SO THAT TOE KICKS BUTT TIGHT TO EACH OTHER.
LENGTH TO BE NO MORE THAN 8'. FOR LONG SPANS OF COUNTER,
PROVIDE EQUAL LENGTH PIECES PER STRAIGHT COUNTER RUN.

PROVIDE MAGNETS SPACED NO MORE THAN 48" O.C. FOR EASY REMOVAL OF TOE KICK.

PROVIDE 1/2" GAP AT TOP OF TOE KICK FOR FINGER CLEARANCE
AND ADJUSTMENT WHEN INSTALLING & REMOVING TOE KICK.

DTL. 1.20 REMOVABLE KICK PLATE

SCALE: N.T.S.



SINK DIMENSIONS PER PLANS AND FABRICATED OF 14 GA. TYPE 304 S/S, DEEP DRAWN OR FULLY WELDED
AND POLISHED ON BOTH SIDES. PROVIDE 3/4" COVED CORNERS, PITCH TO DRAIN, AND COMPLY WITH ALL NSF STANDARDS.

UNLESS OTHERWISE SPECIFIED, FULLY WELD & BLENDED POLISH TO S/S TABLE FOR A SEAMLESS APPEARANCE.

IF UNDERMOUNTING IS SPECIFIED, PROVIDE CLIPS OR FASTENING SYSTEM UNDER COUNTERTOP TO SECURE SINK IN PLACE.
SILICONE SEAL WHERE TOP OF SINK MEETS COUNTERTOP PER NSF STANDARDS. COORDINATE CUT OUT REQUIREMENTS
WITH MILLWORK FABRICATOR.

IF DROP-IN IS SPECIFIED, SILICONE SEAL AROUND ALL EDGES WHERE THE FLANGE MEETS THE COUNTERTOP.
COORDINATE CUT OUT REQUIREMENTS WITH COUNTERTOP FABRICATOR.

UNLESS OTHERWISE SPECIFIED, DRAIN TO BE TWIST TYPE, FISHER MODEL #24082 OR EQUAL.
SHORTEN HANDLE AS REQUIRED IF THERE IS A CONFLICT WITH CABINET DOORS.

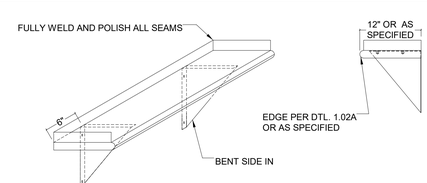
IF SPECIFIED WITH OVERFLOW, DRAIN TO BE TWIST TYPE W/OVERFLOW FISHER MODEL #24872 OR EQUAL.
PROVIDE 1 5/8" DIA. HOLE FOR OVERFLOW CENTERED 3" BELOW TOP OF SINK BOWL. MODIFY OVERFLOW TUBE AS NEEDED.

IF BASKET DRAIN IS SPECIFIED, PROVIDE FISHER MODEL #6556.

DECK-MOUNT OR SPLASH-MOUNT FAUCET TO BE FISHER OR EQUAL WITH SPOUT LENGTH ADEQUATE
TO LOCATE NOZZLE CENTERED OVER DRAIN. PROVIDE .5 GPM AERATOR IF REQUIRED BY LOCAL CODE.

DTL. 1.30 SINK

SCALE: N.T.S.

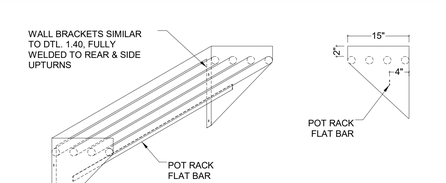


WALL SHELF FABRICATED OF 16 GA. TYPE 304 S/S W/2" UPTURN AT REAR AND ENDS.
PROVIDE TURN DOWN AT SIDES MATCHING HEIGHT OF EDGE.

WALL BRACKETS TO BE TRIANGULAR TYPE FABRICATED OF 14 GA. S/S TYPE 304 WITH 1" RETURNS
AT TOP AND REAR. LOCATE CENTER OF END BRACKETS 6" FROM END OF SHELF
SPACE BRACKETS EQUALLY BUT NO MORE THAT 5'-0" APART CENTER-CENTER. SECURE BRACKETS TO SHELF
W/WELDED S/S STUDS & S/S ACORN NUTS.

DTL. 1.40 WALL SHELF

SCALE: N.T.S.



SHELF TO BE FABRICATED OF (4) 1-5/8" O.D. 16 GA. S/S TYPE 304 TUBES, EQUALLY SPACED APART,
FULLY WELDED AND POLISHED TO WALL BRACKETS. WALL BRACKETS TO EXTEND 2" UP SIDES AND REAR OF UNIT.

WALL BRACKETS CONSTRUCTION & INSTALLATION SIMILAR TO DTL. 1.40. FOR UNITS OVER 5'-0" LENGTH,
PROVIDE (1) WALL BRACKET FOR EVERY ADDITIONAL 5 FT. OF LENGTH OR FRACTION THEREOF,
FULLY WELDED TO UNIT. EQUALLY SPACE APART WALL BRACKETS.

POT RACK FLAT BAR TO BE 2"H X 3/16" THICK, CONSTRUCTED OF S/S TYPE 304. FULLY WELD
AND POLISH TO FLAG BRACKETS. PROVIDE (1) DOUBLE-SIDED S/S POT HOOK
(COMPONENT HARDWARE MODEL #J77-4401 OR EQUAL) EVERY 6" LENGTH OR FRACTION THEREOF OF POT RACK.

IF INSTALLING AT POT WASH AREA, MOUNT UNIT WITH SHELF AT 6'-0" AFF.

DTL. 1.41 TUBULAR POT RACK WALL SHELF

SCALE: N.T.S.

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SED #: 50-90-00-00-0-044-001

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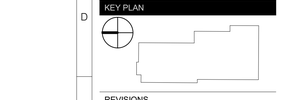
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/2" = 1'-0"

SHEET NAME:
FOODSERVICE TYPICAL STAINLESS STEEL DETAILS

SHEET NUMBER:
FS-680

BID SET

DRAWN BY: JLeRoi
CHECKED BY: AGardner
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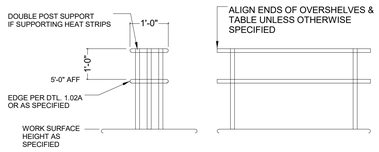


OVERSHELF TO BE FABRICATED OF 16 GA. S/S TYPE 304 W/ TURNED DOWN SIDES.
IF OVERSHELF IS LOCATED AT REAR OF TABLE, PROVIDE UPTURN AT REAR.

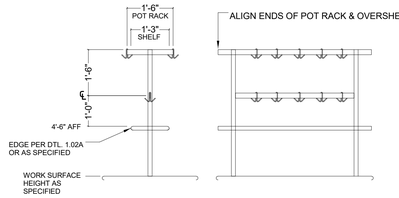
PROVIDE HAT CHANNEL SUPPORT UNDER OVERSHELF SPANNING LENGTH OF OVERSHELF
BETWEEN POSTS. MODIFY HAT CHANNEL TO RUN CONCEALED FLEXIBLE ELECTRICAL CONDUIT
FOR HEAT STRIPS, CONTROLS, CONVENIENCE OUTLETS, ETC. AS SPECIFIED PER PLANS AND ELEVATIONS.
IF SPECIFIED, MOUNT HEAT LAMPS OR DOG HOUSE RECEPTACLES TO HAT CHANNEL UNDER OVERSHELF.

PROVIDE 1-5/8" Ø NOM. S/S TYPE 304 POSTS TO SUPPORT OVERSHELF CENTERED ON OVERSHELF.
POSTS TO BE EQUALLY SPACED ALONG LENGTH OF UNIT, BUT NO MORE THAN 5'-0" CENTER-CENTER.
END POSTS TO BE LOCATED 6" INSET FROM END OF OVERSHELF. IF HEAT STRIP IS TO BE SUPPORTED,
PROVIDE DOUBLE POSTS. EACH DOUBLE POST TO BE INSET 3" FROM OVERSHELF EDGE TO CENTER OF POST.

SECURELY MOUNT POSTS TO CHANNEL ON UNDERSIDE OF WORK SURFACE
OR OTHERWISE SECURE TO LEG STRUCTURE BELOW WORKTABLE.
IF MOUNTING AT REAR OF TABLE AGAINST WALL, PROVIDE CUT OUT IN TOP OF SPLASH
AND MOUNT REAR POSTS THROUGH THE SPLASH. SILICONE SEAL ANY REMAINING GAPS IN THE SPLASH
WHERE POSTS PENETRATE.

DTL. 1.41 — TABLE-MOUNTED OVERSHELF

SCALE: N.T.S.



OVERSHELF FABRICATED & MOUNTED PER DTL. 1.41.

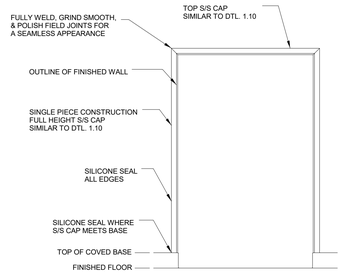
OVAL-SHAPED POT RACK & FLAT BAR TO BE 2"H X 3/16" THICK, CONSTRUCTED OF S/S TYPE 304.
FULLY WELD AND POLISH TO SUPPORT BRACKETS AND POSTS. TOP OF POT RACK TO BE LOCATED AT 7'-0" AFF.
PROVIDE (1) DOUBLE-SIDED S/S POT HOOK (COMPONENT HARDWARE MODEL #J77-4401 OR EQUAL)
EVERY 6" LENGTH OR FRACTION THEREOF ON EACH SIDE OF POT RACK.

PROVIDE 1-5/8" Ø 16GA. S/S TYPE 304 POSTS TO SUPPORT OVERSHELF & POT RACK.
POSTS TO BE EQUALLY SPACED ALONG LENGTH OF UNIT, BUT NO MORE THAN 5'-0" CENTER-CENTER.
END POSTS TO BE LOCATED 6" INSET FROM END OF OVERSHELF AND OVAL POT RACK.

SECURELY MOUNT POSTS TO CHANNEL ON UNDERSIDE OF WORK SURFACE OR OTHERWISE SECURE
TO LEG STRUCTURE BELOW WORKTABLE.

DTL. 1.42 — TABLE-MOUNTED
POT RACK OVERSHELF

SCALE: N.T.S.



IF NO BASE IS SPECIFIED, EXTEND S/S CAP TO FLOOR AND SILICONE SEAL TO FLOOR
TO PREVENT GAPS WHERE DIRT MAY ACCUMULATE.

DTL. 1.60 — ANGLED TRIM @ WALL OPENING

SCALE: N.T.S.

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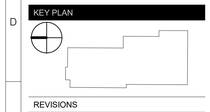
ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/2" = 1'-0"

SHEET NAME:
FOODSERVICE TYPICAL STAINLESS STEEL DETAILS

SHEET NUMBER:

FS-681

BID SET

DRAWN BY: AJ/CH
CHECKED BY: JH/PW
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - 4003-19W_Rockland BOCES NY FS.rvt
6/12/2025 11:49:26 AM

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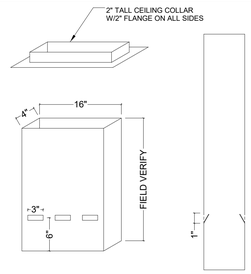


18 GA. S/S TYPE 304 FULLY WELDED AND POLISHED CONSTRUCTION.
SECURE BOTTOM TO DISHWASHER COLLAR PER MFR'S INSTRUCTIONS
OR WITH S/S SCREWS & EXTEND VENT DUCT TO 6" ABOVE FINISHED CEILING.

PROVIDE 2" TALL CEILING COLLAR WITH 2" FLANGE ON ALL SIDES AS SHOWN.

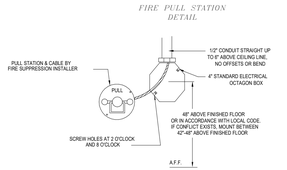
PROVIDE SILICONE SEALANT TO ENSURE WATER TIGHT CONNECTIONS.

PROVIDE 1" TALL X 3" WIDE PUNCHES (3 ON EACH SIDE) CENTERED
AT 6" FROM BOTTOM OF VENT DUCT. UPSIZE CFM'S BY 50%.

DTL. 5.02 — CONDENSATE VENT DUCT

SCALE: N.T.S.

FIRE PULL STATION DETAIL



NOTE:
PULL STATION SHOULD BE ACCESSIBLE IN THE EVENT OF A FIRE, LOCATED IN A PATH OF EGRESS, AND CLEARLY IDENTIFY THE HAZARD PROTECTED. LOCATION TO COMPLY WITH NFPA AND ANY APPLICABLE CODES.

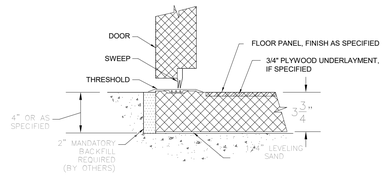
ELECTRICAL CONTRACTOR TO PROVIDE EMPTY JUNCTION BOX WITH EMPTY CONDUIT AS SHOWN.

JUNCTION BOX AND CONDUIT TO BE RECESSED IN WALL
UNLESS FIELD CONDITIONS REQUIRE SURFACE MOUNTING METHOD.

THIS DETAIL IS FOR ILLUSTRATIVE PURPOSES ONLY. VERIFY WITH FIRE SUPPRESSION INSTALLER THE EXACT TYPE OF JUNCTION BOX REQUIRED.

DTL. 5.10 — FIRE PULL STATION

SCALE: N.T.S.



WALK-IN FABRICATION DETAILS PER MFR DETAIL DRAWINGS. ALL WALK-IN PANELS TO BE INSULATED WITH MINIMUM R-VALUES PER LOCAL CODE. PROVIDE 36" H ALUMINUM DIAMOND TREAD PLATE WAINSCOTING AS SPECIFIED.

ALL WALL AND CEILING PANELS TO HAVE MIN. 2" AIR GAP FROM BUILDING WALLS.

WALK-IN FLOOR FINISH TO BE SMOOTH ALUMINUM OR DIAMOND TREAD PLATE (AS SPECIFIED).

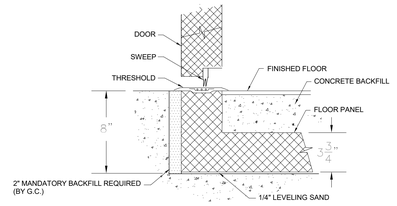
G.C. TO PROVIDE 4" DEEP PIT UNLESS OTHERWISE SPECIFIED TO ALLOW FOR RECESS OF WALK-IN COMPLEX. PIT TO BE LARGER THAN OVERALL WALK-IN DIMENSIONS BY 2" ON EACH SIDE. BACKFILL WITH MORTAR.

IF NECESSARY, PROVIDE LEVELING SAND TO RAISE WALK-IN INTERIOR FINISHED FLOOR TO SAME HEIGHT AS EXTERIOR FINISHED FLOOR.

WALK-IN MFR TO PROVIDE CLOSURE PANELS FABRICATED OF MATCHING MATERIAL TO CONCEAL GAPS AT TOP AND SIDES OF WALK-IN.

DTL. 6.02 — WALK-IN (IN 4" DEPRESSION)

SCALE: N.T.S.



WALK-IN FABRICATION DETAILS PER MFR DETAIL DRAWINGS. ALL WALK-IN PANELS TO BE INSULATED WITH MINIMUM R-VALUES PER LOCAL CODE. PROVIDE 36" H ALUMINUM DIAMOND TREAD PLATE WAINSCOTING AS SPECIFIED.

ALL WALL AND CEILING PANELS TO HAVE MIN. 2" AIR GAP FROM BUILDING WALLS.

WALK-IN FLOOR FINISH TO BE SMOOTH ALUMINUM OR DIAMOND TREAD PLATE (AS SPECIFIED).

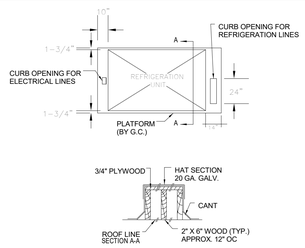
G.C. TO PROVIDE 8" DEEP PIT UNLESS OTHERWISE SPECIFIED TO ALLOW FOR RECESS OF WALK-IN COMPLEX. PIT TO BE LARGER THAN OVERALL WALK-IN DIMENSIONS BY 2" ON EACH SIDE. BACKFILL 2" GAP WITH MORTAR. BACKFILL INTERIOR OF WALK-IN WITH CONCRETE.

PROVIDE LEVELING SAND AS NEEDED TO ENSURE LEVEL FLOOR PANEL.

WALK-IN MFR TO PROVIDE CLOSURE PANELS FABRICATED OF MATCHING MATERIAL TO CONCEAL GAPS AT TOP AND SIDES OF WALK-IN.

DTL. 6.03 — WALK-IN (IN 8" DEPRESSION)

SCALE: N.T.S.

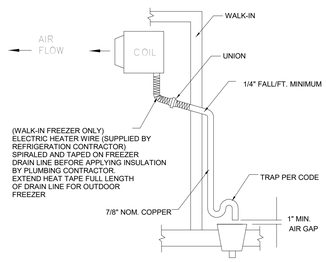


MOUNTING PLATFORM PROVIDED AND INSTALLED BY G.C.

NOTES:
1. PLATFORM TO BE INSTALLED LEVEL.
2. PROVIDE SHEETMETAL HAT SECTION WITH WATER TIGHT SOLDERED JOINTS.
3. BACK FILL OPENING WITH HOT PITCH AFTER INSTALLATION.
4. G.C. TO VERIFY PLATFORM DIMENSIONS WITH REFRIGERATION UNIT DIMENSIONS.
5. G.C. TO COORDINATE PLATFORM DESIGN WITH ARCHITECT, F.S.E.C., AND/OR REFRIGERATION CONTRACTOR.
6. G.C. TO COORDINATE THIS PLATFORM DETAIL WITH ROOF DESIGN.

DTL. 6.05 — OUTDOOR MOUNTING PLATFORM

SCALE: N.T.S.



CONTRACTOR MAKING PENETRATIONS IN WALK-IN PANELS SHALL SEAL THE PENETRATION TO PREVENT CONDENSATION FROM FORMING

DTL. 6.06 — REFRIGERATION DRAIN LINE

SCALE: N.T.S.

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

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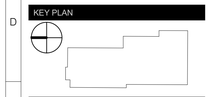
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: 1/2" = 1'-0"

SHEET NAME:
FOODSERVICE TYPICAL STAINLESS STEEL DETAILS

SHEET NUMBER:
FS-682

BID SET

DRAWN BY: jf_dhol
CHECKED BY: jf_dhol
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6/12/2025 11:49:27 AM

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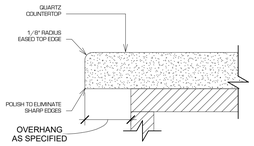
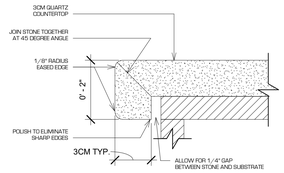


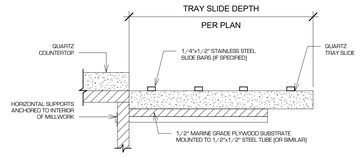
DTL. 9.01 — EASED STONE EDGE DETAIL

SCALE: 6" = 1' - 0"



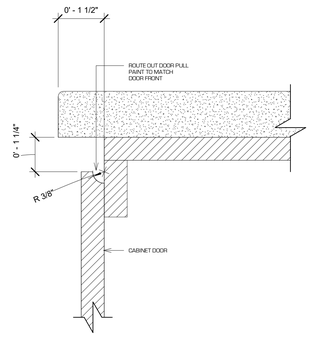
DTL. 9.02 — STONE TURN DOWN DETAIL

SCALE: 6" = 1' - 0"



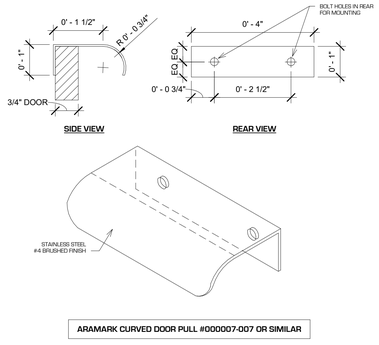
DTL. 9.03 — STONE TRAY SLIDE DETAIL

SCALE: 3" = 1' - 0"



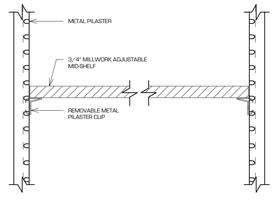
DTL. 9.20.1 — CABINET DOOR FINGER PULL DETAIL

SCALE: 6" = 1' - 0"



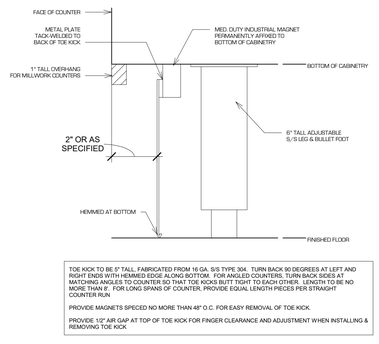
DTL. 9.20.2 — ADA DOOR PULL DETAIL

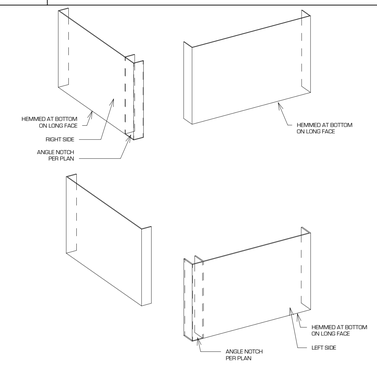
SCALE: 6" = 1' - 0"



DTL. 9.25 — ADJUSTABLE MID-SHELF DETAIL

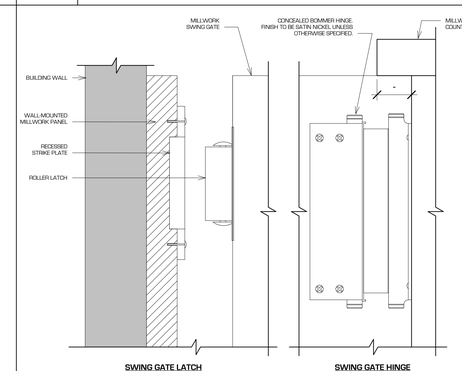
SCALE: 3" = 1' - 0"





DTL. 9.30 — KICKPLATE DETAIL

SCALE: N.T.S.



DTL. 9.40 — MILLWORK SWING GATE DETAIL

SCALE: 6" = 1' - 0"

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE: As indicated

SHEET NAME:
FOODSERVICE TYPICAL MILLWORK DETAILS

SHEET NUMBER:
FS-690

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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HOOD DETAILS – KITCHEN 1 (Sheet 1 of 7)

HOOD INFORMATION TABLE

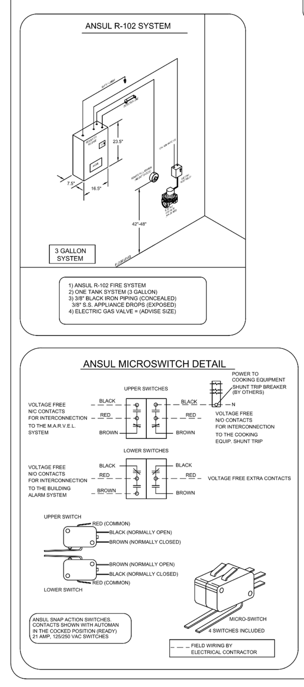
HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE L	SIZE H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
A01	KVE	2760	0.41"	0.30"	1	20"	12"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1080

TOTAL EXH. CFM = 2760

KITCHEN 1

MAKE UP AIR GUIDELINES
- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTED AT HOOD. MUST INSTALL DIFFUSERS MINIMUM OF 48" [1219 MM] AWAY FROM ALL OPEN SIDES OF HOODS*.

*EXCEPTION—HALTON KCDs MAY BE PLACED 24" [610 MM] AWAY FROM ALL OPEN SIDES OF HOODS.

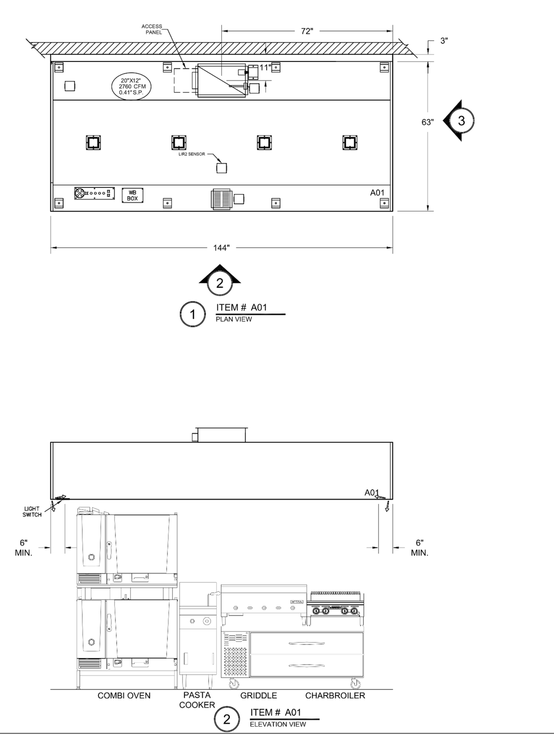


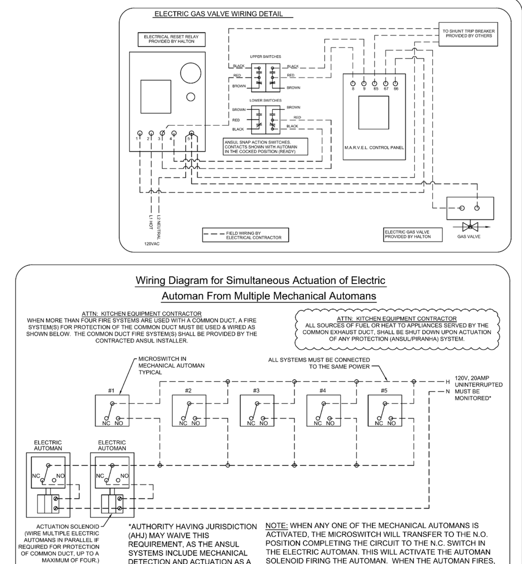
ANSUL R-102 SYSTEM

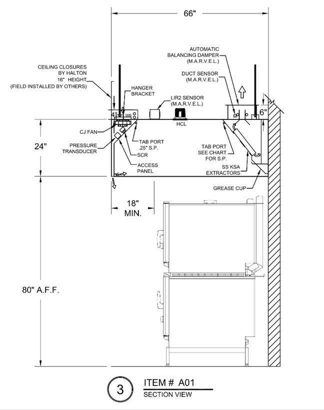
REMOTE MOUNTED:

(1) REGULATED RELEASE (WITH ONE TANK)

DETECTION LINE
SUPPLY #1







CAPTURE JET CLEARANCE DETAIL

CEILING CLOSURE PANELS

GENERAL SPECIFICATIONS

1- HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96, IMC SECTION 507 AND UL 710 STANDARD.
2- HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #103143204PRT-001
3- ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.
4- THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96. REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT.
5- ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.
6- CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.
7- FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1- PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.
2- DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.
3- FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.
4- THE K.E.C MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE K.E.C.
5- IF HALTON MANUAL EXHAUST VOLUME DAMPERS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THEIR INSTALLATION OR TO MAKE ARRANGEMENTS WITH OTHER TRADES FOR THEIR INSTALLATION.
6- IF HALTON MODEL KVL BACKSHELF STYLE HOODS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THE INSTALLATION OF THE CAPTURE-JET FAN.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1- PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

FLUORESCENT LIGHT FIXTURE 40 WATT MAX BULB= .67 AMP EA.
RECESSED INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB= 1.25 AMP EA.
GLOBE INCANDESCENT LIGHT FIXTURE 100 WATT MAX BULB= .83 AMP EA.
HCL LIGHT FIXTURES= .12 AMP EA
LED LIGHT FIXTURES= .30 AMP EA
CAPTURE JET FAN= .72 AMP EA

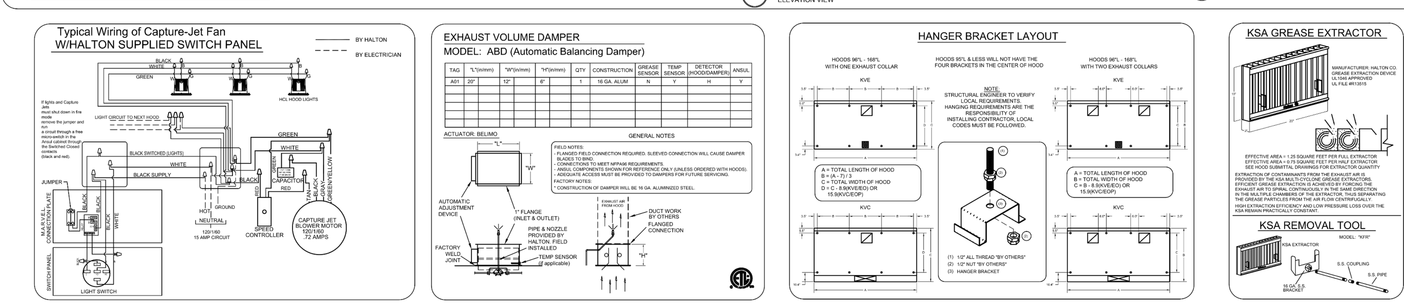
ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP

LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS

CEILING HEIGHT NOTE

IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F.: 10' - 0"



PERFORMANCE CRITERIA

OTHER MANUFACTURERS WISHING TO OFFER AN ALTERNATE TO THE SPECIFIED MANUFACTURER MUST APPLY FOR PERMISSION TO DO SO IN WRITING FROM THE OFFICE OF THE SPECIFYING CONSULTANT. APPLICATION MUST BE RECEIVED BY THE CONSULTANT AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE. ANY ALTERNATE SYSTEM MUST MEET CONSTRUCTION AND PERFORMANCE REQUIREMENTS AND EFFICIENCIES AS OUTLINED IN THIS SPECIFICATION.

REQUESTS FOR APPROVAL MUST INCLUDE GREASE FILTRATION PERFORMANCE DATA (MICRON SIZE VS. EXTRACTION EFFICIENCY) AND MANUFACTURERS OWN EXHAUST AIR FLOW CALCULATIONS BASED ON THE CONVECTIVE HEAT LOAD OF COOKING EQUIPMENT BENEATH THE HOOD.

EFFICIENCY COMPARISON DATA TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT ASTM STANDARD F1704 AND INCLUDE RESULTS FOR THE REQUIRED CAPTURE AND CONTAINMENT EXHAUST AIR FLOW IN ACCORDANCE WITH THE "TEST METHOD TO DETERMINE THE THRESHOLD OF CAPTURE AND CONTAINMENT." DATA MUST INCLUDE THERMAL IMAGING RESULTS VALIDATING CONFORMANCE TO ASTM F1704 AND SUPPLY AIR TEMPERATURE REQUIREMENT OF 74°F.

MAKE UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED BY THE SPECIFIED SYSTEM. AN ADDITIONAL LOAD CANNOT BE PLACED ON THE KITCHEN HVAC SYSTEM.

MANUFACTURER MUST PROVIDE A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER THAT THE SYSTEM WILL PERFORM TO THE ENGINEER'S SATISFACTION WHEN INSTALLED AND BALANCED ACCORDING TO DESIGN AIR FLOWS AND RESULTS OF ASTM STANDARD F1704 TEST. (AS DETERMINED BY TAB PORTS AND PRESSURE VS. AIR FLOW CURVES.) CONSULTANT RESERVES THE RIGHT TO REJECT ANY SYSTEM WHICH, WHEN INSTALLED, DOES NOT PROVIDE CAPTURE AND CONTAINMENT AT THE THRESHOLD FLOW RATE DETERMINED IN ASTM F1704. REJECTED SYSTEM MUST BE REPLACED WITH SPECIFIED SYSTEM, WITH ALL REPLACEMENT COSTS PAID BY MANUFACTURER OF REJECTED SYSTEM.

ANY CHANGES IN THE SPECIFIED SIZING OF POWER WIRING, FAN SIZE, HORSEPOWER REQUIREMENTS, OR GAS LINES DUE TO THE USE OF ANY SYSTEM OTHER THAN THAT WHICH IS SPECIFIED IS THE RESPONSIBILITY OF THE ALTERNATE HOOD MANUFACTURER, AND MUST BE COORDINATED BY THE HOOD MANUFACTURER AND CONTRACTORS INVOLVED.

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER: ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR. A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

☐ REVISE AND RESUBMIT
APPROVED FOR FABRICATION
☐ WITH NO CHANGES ☐ WITH CHANGES AS NOTED
APPROVED BY | DATE

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:
WEBSITE: www.halton.com
HALTON CO. (USA) 101 INDUSTRIAL DRIVE SCOTTSVILLE, KY 42164 1-270-237-5600
HALTON CO. (CANADA) 1021 BREVIK PLACE MISSISSAUGA, ON L4W 3R7 1-905-624-0301

REV.	REVISION DESCRIPTION	BY	DATE
△	ADDED ANSUL SYSTEM	JC	09.05.24

PROJECT: ROCKLAND BOCES KITCHEN 1
LOCATION:
DRAWN BY: RTC DATE: 07.11.24
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E
Halton
DRAWING TITLE: HOOD DETAILS
DRAWING No.: U24-536-1.0
REV. NO.: 1 SHEET NO.: 1 of 7

HOOD DETAILS – KITCHEN 1 (Sheet 2 of 7)

HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE L	SIZE H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
A13-1	KVW	2225	0.17"	0.10"	1	12"	10"	8 4	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1333
A13-2	KVW	2225	0.17"	0.10"	1	12"	10"	8 4	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1333

TOTAL EXH. CFM = 4450

KITCHEN 1

MAKE UP AIR GUIDELINES
- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTED AT HOOD. MUST INSTALL DIFFUSERS MINIMUM OF 48" [1219 MM] AWAY FROM ALL OPEN SIDES OF HOODS*.

*EXCEPTION—HALTON KCDs MAY BE PLACED 24" [610 MM] AWAY FROM ALL OPEN SIDES OF HOODS.

NOTE

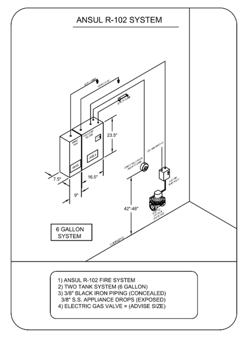
HOODS A13-1 & A13-2 TO HAVE 4 BLANK FULL FILTERS IN ADDITION TO THE KSA FILTERS LISTED IN HOOD INFORMATION TABLE.

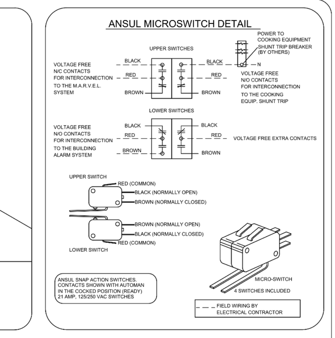
ANSUL R-102 SYSTEM

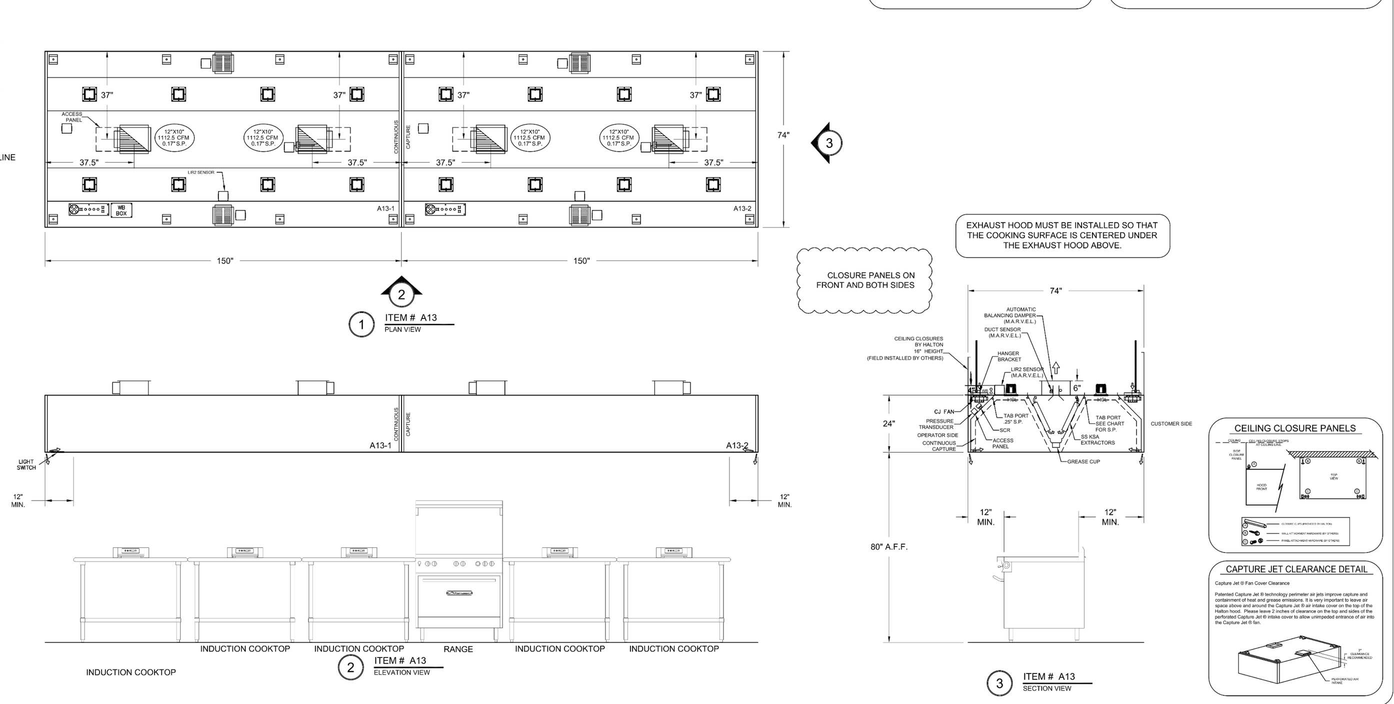
REMOTE MOUNTED:

(1) REGULATED RELEASE (WITH ONE TANK)
(1) SINGLE TANK ENCLOSURE (WITH ONE TANK)

DETECTION LINE
SUPPLY #1
SUPPLY #2







GENERAL SPECIFICATIONS
1- HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96, IMC SECTION 507 AND UL 710 STANDARD.
2- HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #103143204PRT-001
3- ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.
4- THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96. REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT.
5- ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.
6- CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.
7- FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.
INSTALLATION REQUIREMENTS
KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS
1- PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.
2- DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.
3- FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.
4- THE K.E.C MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE K.E.C.
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ELECTRICAL CONTRACTOR'S REQUIREMENTS
1- PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.
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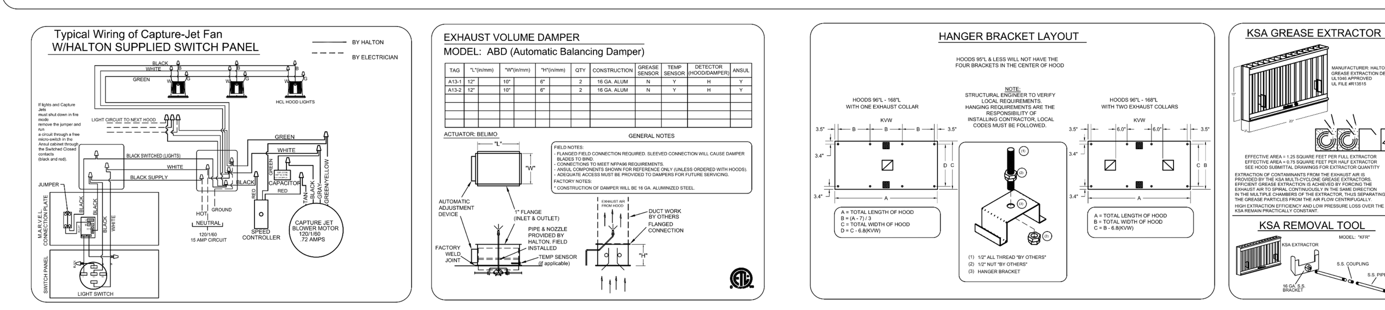
ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP
LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS
CEILING HEIGHT NOTE
IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.
FINISHED CEILING HEIGHT A.F.F.: 10' - 0"



PERFORMANCE CRITERIA

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MAKE UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED BY THE SPECIFIED SYSTEM. AN ADDITIONAL LOAD CANNOT BE PLACED ON THE KITCHEN HVAC SYSTEM.
MANUFACTURER MUST PROVIDE A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER THAT THE SYSTEM WILL PERFORM TO THE ENGINEER'S SATISFACTION WHEN INSTALLED AND BALANCED ACCORDING TO DESIGN AIR FLOWS AND RESULTS OF ASTM STANDARD F1704 TEST. (AS DETERMINED BY TAB PORTS AND PRESSURE VS. AIR FLOW CURVES.) CONSULTANT RESERVES THE RIGHT TO REJECT ANY SYSTEM WHICH, WHEN INSTALLED, DOES NOT PROVIDE CAPTURE AND CONTAINMENT AT THE THRESHOLD FLOW RATE DETERMINED IN ASTM F1704. REJECTED SYSTEM MUST BE REPLACED WITH SPECIFIED SYSTEM, WITH ALL REPLACEMENT COSTS PAID BY MANUFACTURER OF REJECTED SYSTEM.
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MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:
WEBSITE: www.halton.com

REV.	REVISION DESCRIPTION	BY	DATE
△	REVISED ANSUL TANK SIZE	JC	09.05.24

PROJECT: ROCKLAND BOCES KITCHEN 1
DRAWN BY: RTC DATE: 07.11.24
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E
DRAWING TITLE: HOOD DETAILS
DRAWING No.: U24-536-1.0
REV. NO.: 1 SHEET NO.: 2 of 7

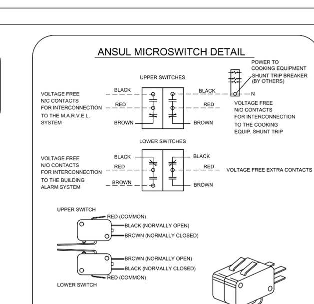
HOOD DETAILS – KITCHEN 1 (Sheet 3 of 7)

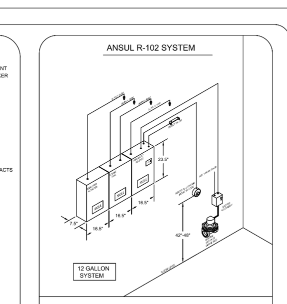
HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE L	SIZE H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
A14-1	KVE	1662	0.18"	0.12"	2	10"	10"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1062
A14-2	KVE	1662	0.18"	0.12"	2	10"	10"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1062
A14-2	KVE	1662	0.18"	0.12"	2	10"	10"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1062
A14-4	KVE	1662	0.18"	0.12"	2	10"	10"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1062

TOTAL EXH. CFM = 6648

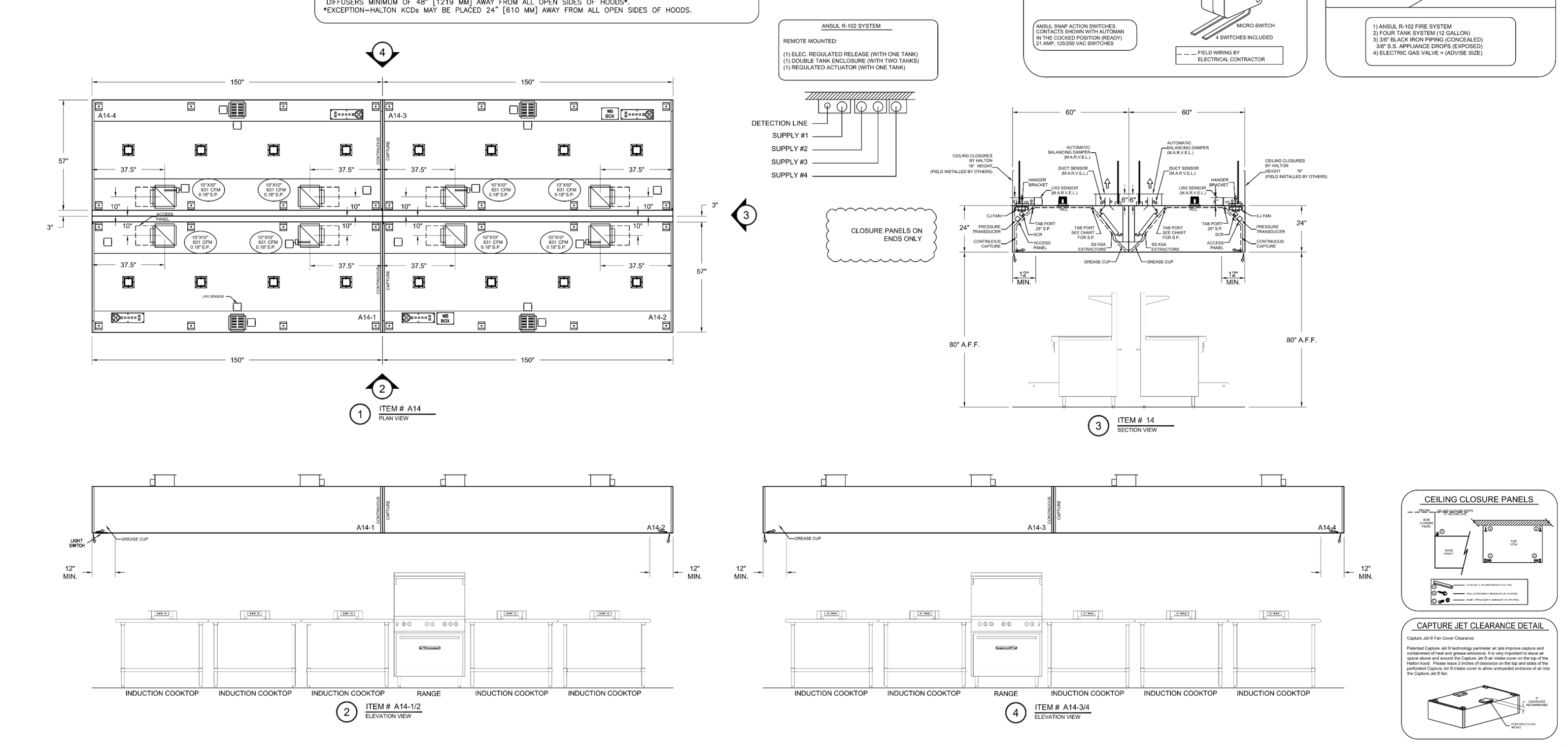
KITCHEN 1





MAKE UP AIR GUIDELINES
- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTED AT HOOD. MUST INSTALL DIFFUSERS MINIMUM OF 48" [1219 MM] AWAY FROM ALL OPEN SIDES OF HOODS*.

*EXCEPTION—HALTON KCDs MAY BE PLACED 24" [610 MM] AWAY FROM ALL OPEN SIDES OF HOODS.



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INSTALLATION REQUIREMENTS
KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS
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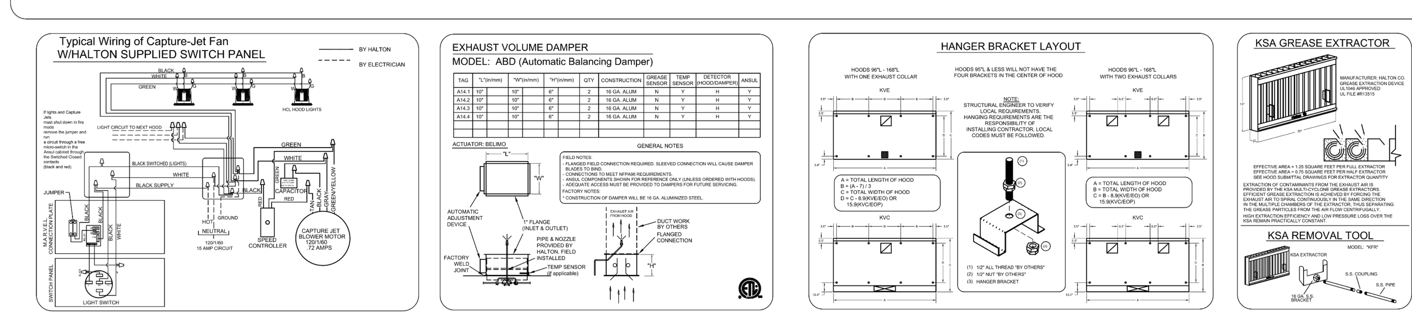


PERFORMANCE CRITERIA

REV.	REVISION DESCRIPTION	BY	DATE
△	ADDED CEILING AND HANGING HEIGHT	JC	09.05.24

PROJECT: ROCKLAND BOCES KITCHEN 1
DRAWN BY: RTC DATE: 07.11.24
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E
DRAWING TITLE: HOOD DETAILS
DRAWING No.: U24-536-1.0
REV. NO.: 1 SHEET NO.: 3 of 7

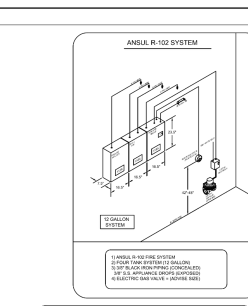
HOOD DETAILS – KITCHEN 1 (Sheet 4 of 7)

HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE L	SIZE H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
A15-1	KVE	1662	0.18"	0.12"	2	10"	10"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1062
A15-2	KVE	1662	0.18"	0.12"	2	10"	10"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1062
A15-3	KVE	1662	0.18"	0.12"	2	10"	10"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1062
A15-4	KVE	1662	0.18"	0.12"	2	10"	10"	7 -	20" 11"	13" 13"	KSA	ALL 18 GA. 304 S.S.	1062

TOTAL EXH. CFM = 6648

KITCHEN 1



MAKE UP AIR GUIDELINES
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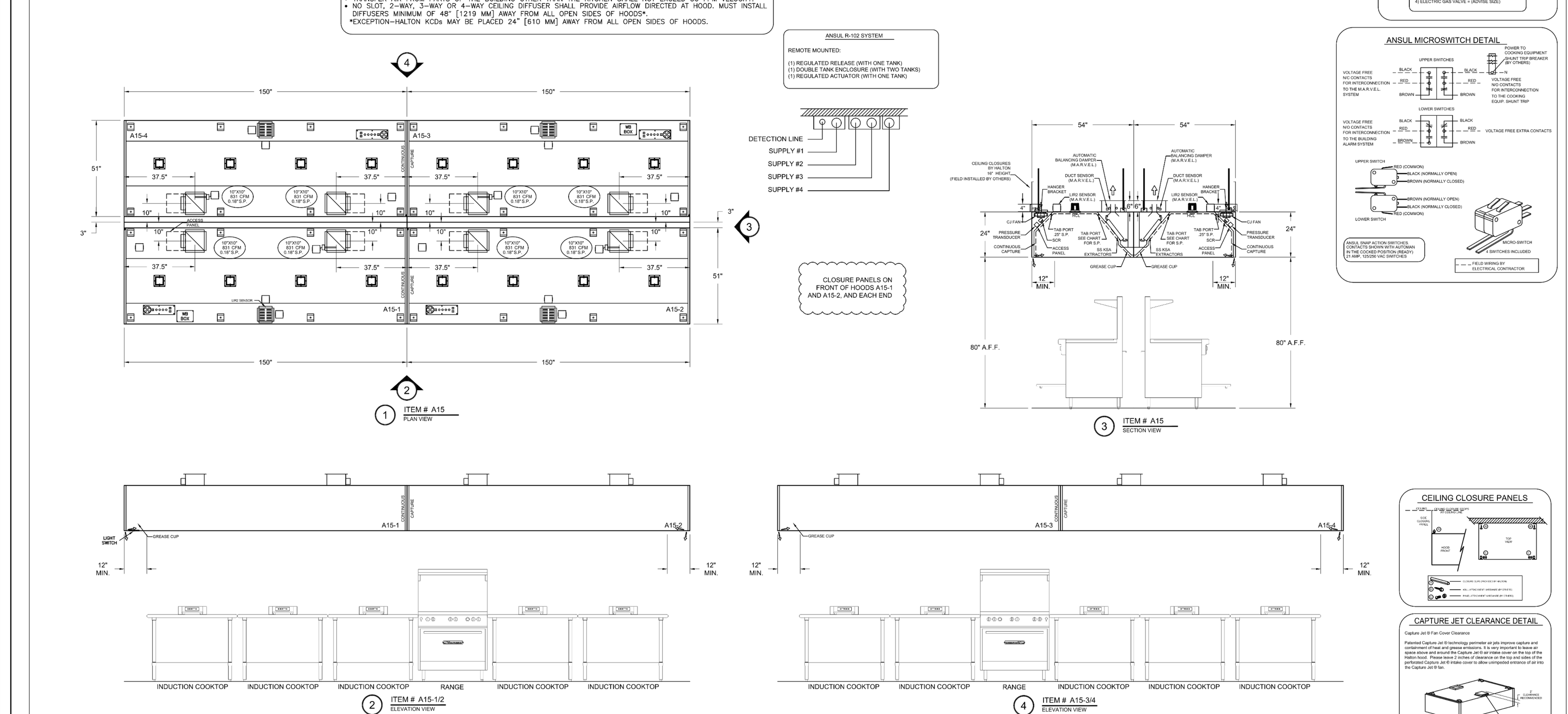
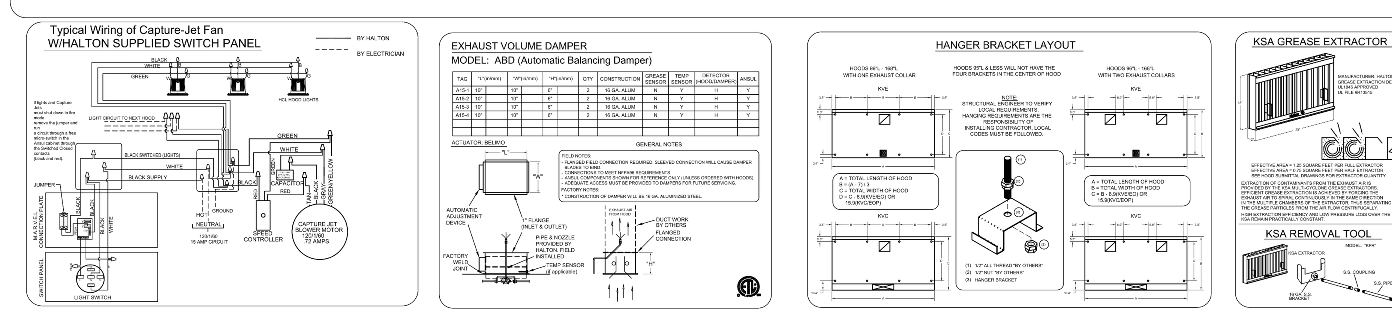
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTED AT HOOD. MUST INSTALL DIFFUSERS MINIMUM OF 48" [1219 MM] AWAY FROM ALL OPEN SIDES OF HOODS*.

*EXCEPTION—HALTON KCDs MAY BE PLACED 24" [610 MM] AWAY FROM ALL OPEN SIDES OF HOODS.





PERFORMANCE CRITERIA

REV.	REVISION DESCRIPTION	BY	DATE
△	REVISED ANSUL SYSTEM SIZE, SHORTEN HOOD DEPTH	JC	09.09.24

PROJECT: ROCKLAND BOCES KITCHEN 1
DRAWN BY: RTC DATE: 07.11.24
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E
DRAWING TITLE: HOOD DETAILS
DRAWING No.: U24-536-1.0
REV. NO.: 1 SHEET NO.: 4 of 7

ARCHITECT

ksqdesign

KSQ Architects PC dba KSQ Design
215 W 40th St - 15th flr
New York, NY 10018
646.435.0660 office
www.ksq.design

Owner

ROCKLAND BOCES
65 Parrott Rd,
West Nyack, NY, 10994
845-627-4700 office
www.rocklandboces.org

Civil & MEP Engineer

FELLENZER ENGINEERING LLP
22 Mulberry Street, Suite 2A
Middletown, NY 10940
845-343-1481 office
www.fellp.com

Structural Engineer

GACE CONSULTING ENGINEERS
148 Madison Avenue, Fourth Floor
New York, NY 10016
212-545-7878 office
www.structuralengineerwebsite.com

Food Service Consultant:

ELITE | STUDIO E
1865 New Hwy #1
Farmingdale, NY, 11735
631-420-9400 office
www.elitestudioe.com

Construction Manager:

ARRIS CONTRACTING COMPANY, Inc.
189 Smith Street
Poughkeepsie, NY 12601
845-473-3600 office
www.arriscontracting.com

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ROCKLAND BOCES ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME:
FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)
SHEET NUMBER:
FS-700

BID SET

DRAWN BY: Author
CHECKED BY: Checker
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - v2023/1504_Rockland BOCES NY_FS.rvt
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ROCKLAND BOCES P-TECH C-TEC BUILDING — FS-701

KITCHEN 1 — HOOD DETAILS (Halton drawing U24-536-1.0, sheet 5 of 7)

HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE: L	SIZE: H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
A20	KVE	931	0.18"	0.12"	1	10"	10"	4	20"	13"	KSA	ALL 18 GA. 304 S.S.	595
								-	11"	13"			

TOTAL EXH. CFM = 931

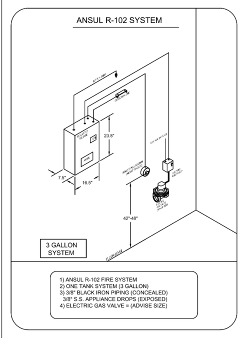
MAKE UP AIR GUIDELINES

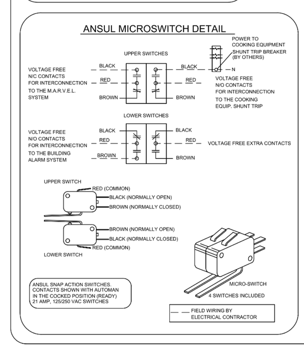
- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTED AT HOOD. MUST INSTALL DIFFUSERS MINIMUM OF 48" [1219 MM] AWAY FROM ALL OPEN SIDES OF HOODS*.

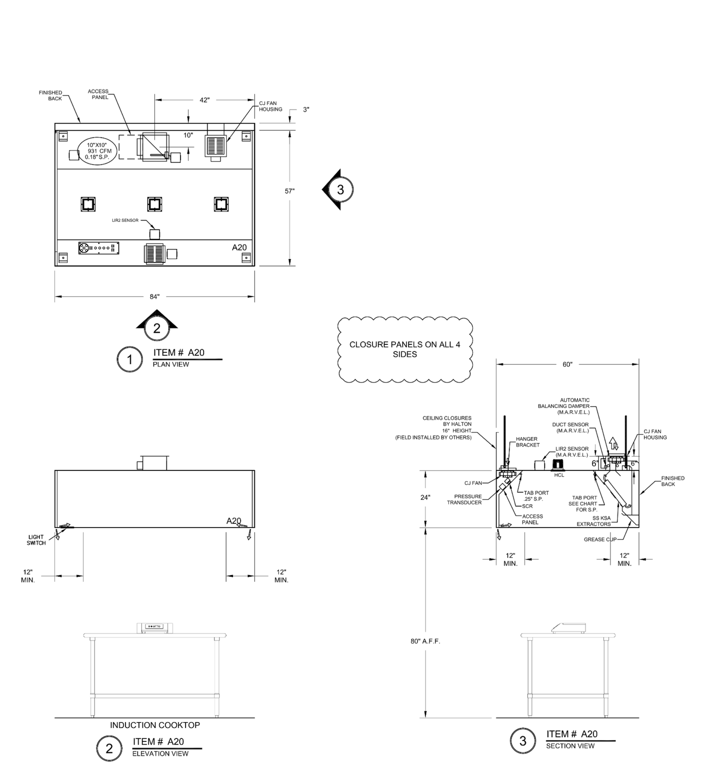
*EXCEPTION-HALTON KCDs MAY BE PLACED 24" [610 MM] AWAY FROM ALL OPEN SIDES OF HOODS.

ANSUL R-102 SYSTEM

REMOTE MOUNTED:
(1) REGULATED RELEASE (WITH ONE TANK)







GENERAL SPECIFICATIONS

1. HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96, IMC SECTION 507 AND UL 710 STANDARD.
2. HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #103143204PRT-001
3. ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.
4. THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96, REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT.
5. ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.
6. CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.
7. FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1. PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.
2. DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.
3. FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.
4. THE K.E.C MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE K.E.C.
5. IF HALTON MANUAL EXHAUST VOLUME DAMPERS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THEIR INSTALLATION OR TO MAKE ARRANGEMENTS WITH OTHER TRADES FOR THEIR INSTALLATION.
6. IF HALTON MODEL KVL BACKSHELF STYLE HOODS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THE INSTALLATION OF THE CAPTURE-JET FAN.

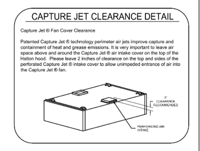
ELECTRICAL CONTRACTOR'S REQUIREMENTS

1. PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

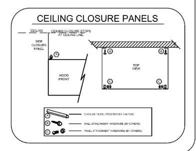
CAPTURE JET CLEARANCE DETAIL

Capture Jet® Fan Cover Clearance

Patented Capture Jet® technology perimeter air jets improve capture and containment of heat and grease emissions. It is very important to leave an space above and around the Capture Jet® air intake cover on the top of the Halton hood. Please leave 2 inches of clearance on the top and sides of the perforated Capture Jet® intake cover to allow unimpeded entrance of air into the Capture Jet® fan.



CEILING CLOSURE PANELS



ELECTRICAL EQUIPMENT REQUIREMENTS

- FLUORESCENT LIGHT FIXTURE 40 WATT MAX BULB= .67 AMP EA.
- RECESSED INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB= 1.25 AMP EA.
- GLOBE INCANDESCENT LIGHT FIXTURE 100 WATT MAX BULB= .83 AMP EA.
- HCL LIGHT FIXTURES= .12 AMP EA.
- LED LIGHT FIXTURES= .30 AMP EA.
- CAPTURE JET FAN= .72 AMP EA.

ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP

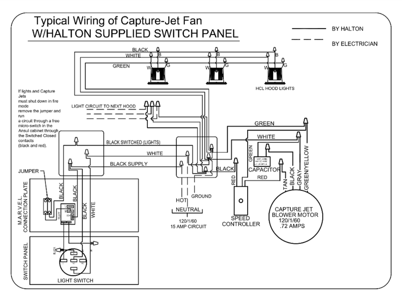
LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS

CEILING HEIGHT NOTE

IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F.: 10' - 0"

Typical Wiring of Capture-Jet Fan W/HALTON SUPPLIED SWITCH PANEL



EXHAUST VOLUME DAMPER
MODEL: ABD (Automatic Balancing Damper)

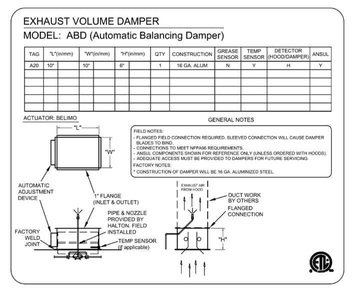
TAG	"L"(in/mm)	"W"(in/mm)	"H"(in/mm)	QTY	CONSTRUCTION	GREASE SENSOR	TEMP SENSOR	DETECTOR (HOOD/DAMPER)	ANSUL
A20	10"	10"	6"	1	16 GA. ALUM	N	Y	H	Y

ACTUATOR: BELIMO

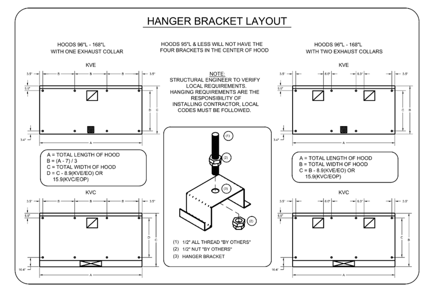
GENERAL NOTES

FIELD NOTES:
- FLANGED FIELD CONNECTION REQUIRED, SLEEVED CONNECTION WILL CAUSE DAMPER BLADES TO BIND.
- CONNECTIONS TO MEET NFPA96 REQUIREMENTS.
- ANSUL COMPONENTS SHOWN FOR REFERENCE ONLY (UNLESS ORDERED WITH HOODS).
- ADEQUATE ACCESS MUST BE PROVIDED TO DAMPERS FOR FUTURE SERVICING.

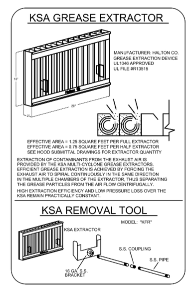
FACTORY NOTES:
* CONSTRUCTION OF DAMPER WILL BE 16 GA. ALUMINIZED STEEL.



HANGER BRACKET LAYOUT



KSA GREASE EXTRACTOR



PERFORMANCE CRITERIA

OTHER MANUFACTURERS WISHING TO OFFER AN ALTERNATE TO THE SPECIFIED MANUFACTURER MUST APPLY FOR PERMISSION TO DO SO IN WRITING FROM THE OFFICE OF THE SPECIFYING CONSULTANT. APPLICATION MUST BE RECEIVED BY THE CONSULTANT AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE. ANY ALTERNATE SYSTEM MUST MEET CONSTRUCTION AND PERFORMANCE REQUIREMENTS AND EFFICIENCIES AS OUTLINED IN THIS SPECIFICATION.

REQUESTS FOR APPROVAL MUST INCLUDE GREASE FILTRATION PERFORMANCE DATA (MICRON SIZE VS. EXTRACTION EFFICIENCY) AND MANUFACTURERS OWN EXHAUST AIR FLOW CALCULATIONS BASED ON THE CONVECTIVE HEAT LOAD OF COOKING EQUIPMENT BENEATH THE HOOD.

EFFICIENCY COMPARISON DATA TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT ASTM STANDARD F1704 AND INCLUDE RESULTS FOR THE REQUIRED CAPTURE AND CONTAINMENT EXHAUST AIR FLOW IN ACCORDANCE WITH THE "TEST METHOD TO DETERMINE THE THRESHOLD OF CAPTURE AND CONTAINMENT." DATA MUST INCLUDE THERMAL IMAGING RESULTS VALIDATING CONFORMANCE TO ASTM F1704 AND SUPPLY AIR TEMPERATURE REQUIREMENT OF 74°F.

MAKE UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED BY THE SPECIFIED SYSTEM. AN ADDITIONAL LOAD CANNOT BE PLACED ON THE KITCHEN HVAC SYSTEM.

MANUFACTURER MUST PROVIDE A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER THAT THE SYSTEM WILL PERFORM TO THE ENGINEER'S SATISFACTION WHEN INSTALLED AND BALANCED ACCORDING TO DESIGN AIR FLOWS AND RESULTS OF ASTM STANDARD F1704 TEST. (AS DETERMINED BY TAB PORTS AND PRESSURE VS. AIR FLOW CURVES.) CONSULTANT RESERVES THE RIGHT TO REJECT ANY SYSTEM WHICH, WHEN INSTALLED, DOES NOT PROVIDE CAPTURE AND CONTAINMENT AT THE THRESHOLD FLOW RATE DETERMINED IN ASTM F1704. REJECTED SYSTEM MUST BE REPLACED WITH SPECIFIED SYSTEM, WITH ALL REPLACEMENT COSTS PAID BY MANUFACTURER OF REJECTED SYSTEM.

ANY CHANGES IN THE SPECIFIED SIZING OF POWER WIRING, FAN SIZE, HORSEPOWER REQUIREMENTS, OR GAS LINES DUE TO THE USE OF ANY SYSTEM OTHER THAN THAT WHICH IS SPECIFIED IS THE RESPONSIBILITY OF THE ALTERNATE HOOD MANUFACTURER, AND MUST BE COORDINATED BY THE HOOD MANUFACTURER AND CONTRACTORS INVOLVED.

Halton title block (sheet 5):

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.

NOTE TO APPROVER: ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR, A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.

☐ REVISE AND RESUBMIT
APPROVED FOR FABRICATION: ☐ WITH NO CHANGES ☐ WITH CHANGES AS NOTED
APPROVED BY / DATE

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW: ☐ HALTON CO. (CANADA) 1021 BREVIK PLACE MISSISSAUGA, ON L4W 3R7 1-905-624-0301 — ☒ HALTON CO. (USA) 101 INDUSTRIAL DRIVE SCOTTSVILLE, KY 42164 1-270-237-5600 — WEBSITE: www.halton.com

REV.	REVISION DESCRIPTION	BY	DATE
1	ADDED CEILING AND HANGING HEIGHT, ADDED ANSUL SYSTEM	JC	09.05.24

PROJECT: ROCKLAND BOCES KITCHEN 1 — LOCATION: — DRAWN BY: RTC — DATE: 07.11.24 — SCALE: NOT TO SCALE — CONSULTANT: ELITE STUDIO E — Halton
DRAWING TITLE: HOOD DETAILS — DRAWING No.: U24-536-1.0 — REV. NO.: 1 — SHEET NO.: 5 of 7

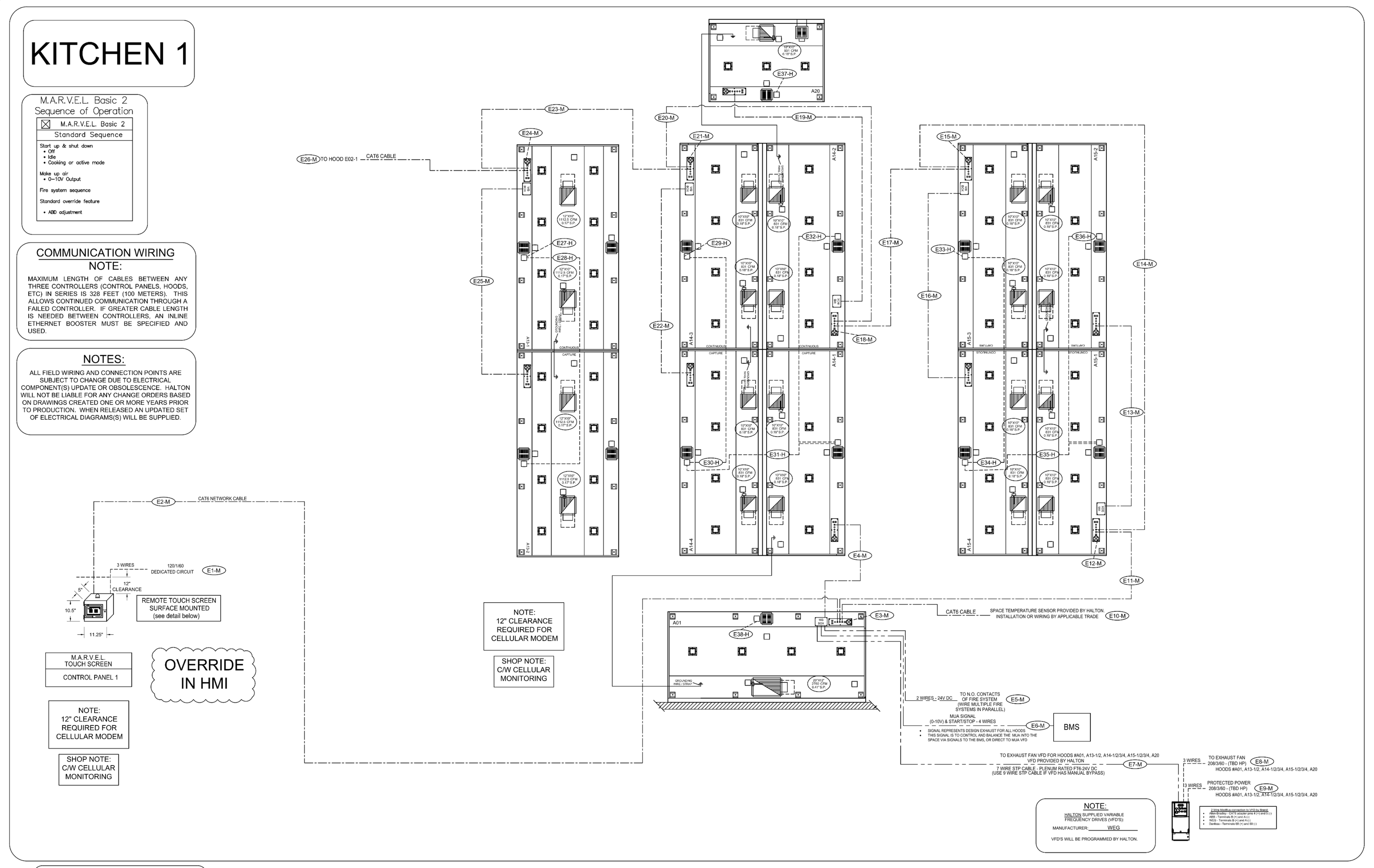
KITCHEN 1 — DEMAND CONTROL DETAILS (Halton drawing U24-536-1.0, sheet 6 of 7)

M.A.R.V.E.L. Basic 2 Sequence of Operation

☒ M.A.R.V.E.L. Basic 2 — Standard Sequence
- Start up & shut down: Off; Idle; Cooking or active mode
- Make up air: 0~10V Output
- Fire system sequence
- Standard override feature
- ABD adjustment

COMMUNICATION WIRING NOTE:
MAXIMUM LENGTH OF CABLES BETWEEN ANY THREE CONTROLLERS (CONTROL PANELS, HOODS, ETC) IN SERIES IS 328 FEET (100 METERS). THIS ALLOWS CONTINUED COMMUNICATION THROUGH A FAILED CONTROLLER. IF GREATER CABLE LENGTH IS NEEDED BETWEEN CONTROLLERS, AN INLINE ETHERNET BOOSTER MUST BE SPECIFIED AND USED.

NOTES:
ALL FIELD WIRING AND CONNECTION POINTS ARE SUBJECT TO CHANGE DUE TO ELECTRICAL COMPONENT(S) UPDATE OR OBSOLESCENCE. HALTON WILL NOT BE LIABLE FOR ANY CHANGE ORDERS BASED ON DRAWINGS CREATED ONE OR MORE YEARS PRIOR TO PRODUCTION. WHEN RELEASED AN UPDATED SET OF ELECTRICAL DIAGRAMS(S) WILL BE SUPPLIED.



M.A.R.V.E.L. SCOPE OF WORK

RESPONSIBILITY TO BE SELECTED BY GENERAL CONTRACTOR

DEFINITIONS FOR REFERENCE:

M.A.R.V.E.L. I SYSTEMS = 1 EXHAUST FAN SERVING 1 KITCHEN HOOD

M.A.R.V.E.L. II SYSTEMS = 1 EXHAUST FAN SERVING MULTIPLE KITCHEN HOODS

VFD = VARIABLE FREQUENCY DRIVES

CONNECTION LOCATIONS WILL VARY PER SYSTEM, REFER TO HALTON M.A.R.V.E.L. DIAGRAMS FOR SPECIFICS

1. APPLICABLE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE M.A.R.V.E.L. CONTROL PANEL. LOCATION TO BE DETERMINED BY GC AND SHALL BE WITHIN SAME SPACE AS THE KITCHEN HOODS BEING SERVED BY PANEL. (M.A.R.V.E.L. I HOOD SYSTEMS WILL NOT HAVE SUCH PANEL)
2. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 115V (15AMP) DEDICATED CIRCUIT AT M.A.R.V.E.L. CONTROL PANEL
3. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL RJ45 CAT6 CABLE CONNECTION AT M.A.R.V.E.L. CONTROL PANEL FOR M.A.R.V.E.L. II SYSTEMS OR AT KITCHEN HOOD FOR M.A.R.V.E.L. I SYSTEMS FOR I.P. ADDRESS.
4. APPLICABLE CONTRACTOR TO INSTALL SPACE TEMP SENSOR (SUPPLIED BY HALTON) IN SAME SPACE AS KITCHEN HOOD SYSTEM AND 48"-54" A.F.F. NEAREST MUA T-STAT.
5. APPLICABLE CONTRACTOR SHALL SUPPLY AND RUN RJ45 CAT6 CABLE CONNECTION FROM SPACE TEMP SENSOR TO M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR TO KITCHEN HOOD (M.A.R.V.E.L. I)
6. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 2 WIRE 24V DC WIRING FROM ANSUL FIRE SYSTEM EITHER TO M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR TO KITCHEN HOOD (M.A.R.V.E.L. I).
7. APPLICABLE CONTRACTOR TO SUPPLY AND RUN RJ45 CAT6 CABLE FROM HOOD TO HOOD AND TO PANEL AS SHOWN IN HALTON M.A.R.V.E.L. DIAGRAM.
8. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 4 WIRE MUA SIGNAL (0-10V & START/STOP) FROM M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR FROM KITCHEN HOOD (M.A.R.V.E.L. I) TO BMS OR DDC.
9. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 7 WIRE STP PLENUM RATED CABLE (9 WIRE STP CABLE IF VFD IS PROVIDED WITH BYPASS) FROM M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR FROM KITCHEN HOOD (M.A.R.V.E.L. I) TO EXHAUST FAN VFD(S) (VFD'S AND CABINET SUPPLIED BY HALTON UNLESS OTHERWISE NOTED)
10. APPLICABLE CONTRACTOR TO SUPPLY AND RUN RJ45 CAT6 CABLE FROM CONTROL PANEL TO VFD, FOR MODBUS COMMUNICATION.
11. APPLICABLE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE VFD(S). LOCATION TO BE DETERMINED BY GC AND SHALL BE WITHIN 150 FEET MAX DISTANCE FROM EXHAUST FAN(S).
12. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL THREE PHASE OR SINGLE PHASE POWER FEED FROM CIRCUIT BREAKER(S) TO VFD(S). APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL THREE PHASE OR SINGLE PHASE POWER FROM VFD(S) TO EXHAUST / MUA (IF APPLICABLE) MOTORS. ALL TO BE RAN IN SEPARATE CONDUIT.
13. APPLICABLE CONTRACTOR SHALL INSTALL GREASE SENSOR(S), IF PROVIDED, IN MAIN EXHAUST TRUNK, AND WIRE THE SENSOR BACK TO THE DESIGNATED LOCATION.
14. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 115V (15AMP) DEDICATED CIRCUIT AT EACH KITCHEN HOOD. (IF HOODS ARE UV, A SECOND 115V DEDICATED CIRCUIT IS REQUIRED.)
15. INSTALLING CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING ADEQUATE ACCESS TO ALL COMPONENTS LOCATED ABOVE HOOD.
16. HALTON REPRESENTATIVE TO PERFORM FINAL FIELD COMMISSIONING ONCE ALL RESPONSIBILITIES ARE COMPLETED ABOVE.

NOTES:
ALL WIRING AND CABLING TO BE PROVIDED BY ELECTRICAL CONTRACTOR UNLESS STATED OTHERWISE

NOTES:
ALL FAN MOTORS MUST BE COMPATIBLE WITH VARIABLE FREQUENCY DRIVES (VFD'S). ALL MOTORS MUST BE CONNECTED TO THREE PHASE POWER. ELECTRONICALLY COMMUTATED MOTORS (ECM) ARE ALSO ACCEPTABLE IF SINGLE PHASE POWER IS TO BE USED. (24V POWER SUPPLY TO THE ECM IS BY OTHERS)

NOTES:
ALL VARIABLE FREQUENCY DRIVES (VFD'S) MUST BE INSTALLED WITHIN 150' OF THE EXHAUST FAN.

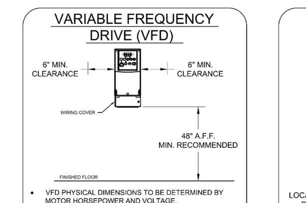
FAN CONFIGURATION DATA FOR M.A.R.V.E.L.

Exhaust Data:
EF Item #: ______ Voltage/Phase/Hertz: ___/___/___
EF HP: ______
Hood Item #'s connected to this fan: ______
(repeated for four fans)

Make Up Air Data:
Quantity of MUA "Zones": ______
Hood Item #'s located in Zone 1: ______
Hood Item #'s located in Zone 2: ______

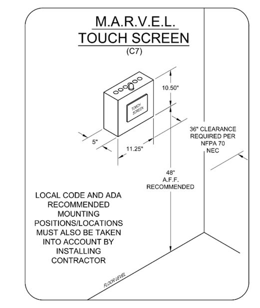
NOTE: Above information must be completed in full prior to project being released for production. If more than four exhaust fans or two MUA zones are being used, please provide this data as well.

VARIABLE FREQUENCY DRIVE (VFD)

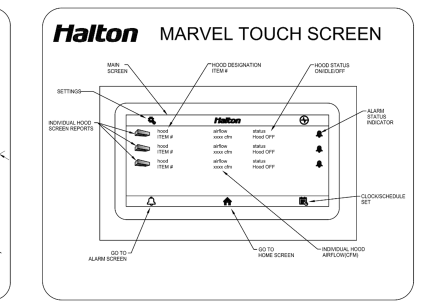


- VFD PHYSICAL DIMENSIONS TO BE DETERMINED BY MOTOR HORSEPOWER AND VOLTAGE.
- VFD TO BE MOUNTED IN DESIGNATED LOCATION.
- VFD MUST BE LOCATED WITHIN 150' OF FAN MOTOR.
- INSTALL SEPERATE CONDUITS FOR INCOMING & OUTGOING WIRING FROM EACH VFD.
- VFD'S ARE SUPPLIED & PROGRAMMED BY HALTON. THEY ARE TO BE INSTALLED & WIRED BY APPLICABLE TRADE OTHER THAN HALTON.
- VFD CABINETS ARE NOT SUPPLIED BY HALTON.
- IF VFD CABINETS ARE SUPPLIED IN THE FIELD, ENSURE THAT CABINET IS PROPERLY VENTILATED.

M.A.R.V.E.L. TOUCH SCREEN (C7)



Halton MARVEL TOUCH SCREEN



M.A.R.V.E.L. SYSTEM

M.A.R.V.E.L. EQUIPMENT CONNECTED LOADS

M.A.R.V.E.L. CONTROL PANEL= 10 AMPS EA.

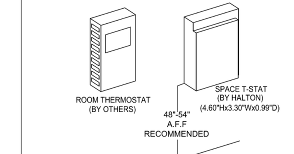
M.A.R.V.E.L. PLC AT EACH HOOD SECTION= 4 AMPS EA. (MAXIMUM 3 M.A.R.V.E.L. HOOD PLC'S PER 15A CIRCUIT)

ALL CIRCUITS ARE NOT TO EXCEED 15 AMP

NOTES:
- FIELD WIRING (BY E.C.) - 120V - 12AWG MIN.-10AWG MAX.
- FIELD WIRING (BY E.C.) - 24V - 22AWG MIN.-16AWG MAX.
- FIELD WIRING (BY E.C.) - 24V - CAT6

(FIG 1-1)

SPACE TEMPERATURE SENSOR



TEMPERATURE SENSOR TO BE MOUNTED AWAY FROM VARYING SOURCES OF HEAT. USUALLY IN CLOSE PROXIMITY TO THE ROOM THERMOSTAT. SENSOR TO BE LOCATED IN SAME "ZONE" AS HOODS THEY SERVE, BY NO CLOSER THAN 10'-12' FROM THE EXHAUST HOOD OR ANY OTHER UNHOODED APPLIANCES.

Halton title block (sheet 6): MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW: HALTON CO. (CANADA) 1021 BREVIK PLACE MISSISSAUGA, ON L4W 3R7 1-905-624-0301 — ☒ HALTON CO. (USA) 101 INDUSTRIAL DRIVE SCOTTSVILLE, KY 42164 1-270-237-5600 — WEBSITE: www.halton.com

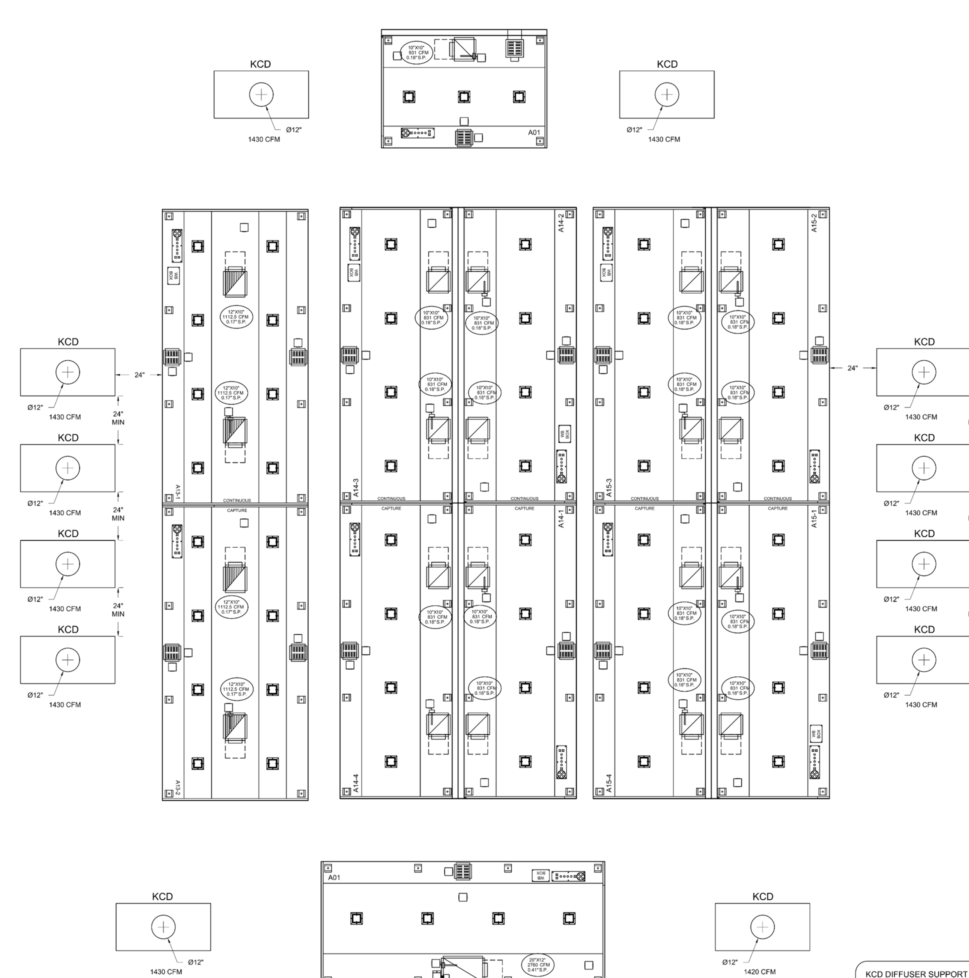
REV.	REVISION DESCRIPTION	BY	DATE
1	NO CHANGE	JC	09.05.24

PROJECT: ROCKLAND BOCES KITCHEN 1 — LOCATION: — DRAWN BY: JC — DATE: 07.15.24 — SCALE: NOT TO SCALE — CONSULTANT: ELITE STUDIO E — Halton
DRAWING TITLE: DEMAND CONTROL DETAILS — DRAWING No.: U24-536-1.0 — REV. NO.: 1 — SHEET NO.: 6 of 7

KITCHEN 1 — DEMAND CONTROL DETAILS (Halton drawing U24-536-1.0, sheet 7 of 7)

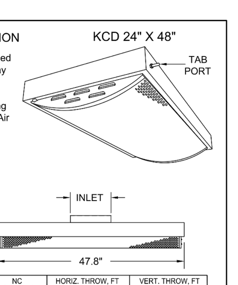
ELECTRICAL & DATA CABLE CONNECTION SCHEDULE

CONNECTION #	CONNECTION DESCRIPTION	FROM	TO
E1-M	120V, 15AMP - CONTROL PANEL POWER - 3 WIRES	BUILDING SOURCE	TOUCH SCREEN
E2-M	CAT6 CABLE - NETWORK CABLE	TOUCH SCREEN	HOOD #A01
E3-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #A01
E4-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #A01	HOOD #A14-1
E5-M	FIRE MODE SIGNAL - TO FIRE SUPPRESSION PANEL - 2 WIRES	HOOD #A01	FIRE SYSTEM
E6-M	0-10V & START/STOP MUA SIGNAL TO BMS - 4 WIRES	HOOD #A01	BMS
E7-M	7 WIRE STP CABLE - PLENUM RATED FT6 - TO EF VFD	HOOD #A01	VFD
E8-M	HIGH VOLTAGE WIRING FROM BUILDING SOURCE TO VFD	BUILDING SOURCE	VFD
E9-M	HIGH VOLTAGE WIRING FROM VFD TO FAN MOTOR	VFD	EF MOTOR
E10-M	CAT6 CABLE - TO SPACE TEMPERATURE SENSOR	HOOD #A01	TEMP SENSOR
E11-M	CAT6 CABLE - NETWORK CABLE	HOOD #A01	HOOD #A15-1
E12-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #A15-1
E13-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #A15-1	HOOD #A15-2
E14-M	CAT6 CABLE - NETWORK CABLE	HOOD #A15.1	HOOD #A15-3
E15-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #15-3
E16-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #15-3	HOOD #A15-4
E17-M	CAT6 CABLE - NETWORK CABLE	HOOD #A15.3	HOOD #A14-2
E18-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #14-2
E19-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #14-2	HOOD #A20
E20-M	CAT6 CABLE - NETWORK CABLE	HOOD #A14-2	HOOD #A14-3
E21-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #A14-3
E22-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #A14-3	HOOD #A14-4
E23-M	CAT6 CABLE - NETWORK CABLE	HOOD #A14-3	HOOD #A13-1
E24-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #A13-1
E25-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #A13-1	HOOD #A13-2
E26-M	CAT6 CABLE - PROVIDED BY OTHERS	HOOD #A13-1	HOOD #E02-1
E27-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #A13-1
E28-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #A13-1	HOOD #A13-2
E29-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #A14-3
E30-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #A14-3	HOOD #A14-4
E31-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #A14-4	HOOD #A14-1
E32-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #A14-1	HOOD #A14-2
E33-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #A15-3
E34-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #A15-3	HOOD #A15-4
E35-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #A15-4	HOOD #A15-1
E36-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #A15-1	HOOD #A15-2
E37-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #A20
E38-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #A01

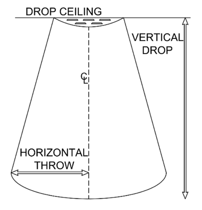


KCD APPLICATION & DESCRIPTION — KCD 24" X 48"

The KCD is a 24" by 48" nominal dimensioned ceiling diffuser to replace 24" by 24" four-way diffusers used in the commercial kitchen environment.
The KCD is also utilized in the Self Balancing Kitchen concept when paired with Variable Air Volume (VAV) devices. Weight is 32 lbs.



INLET DIA.	CFM	NECK VEL. (FPM)	Ptotal "w.c.	Pstatic "w.c.	NC (Noise Criteria)	HORIZ. THROW, FT (100-75-50 FPM)	VERT. THROW, FT (100-75-50 FPM)
8"	500	1432	0.28"	0.15"	35	* - * - *	0.3 - 0.5 - 1.0
10"	750	1375	0.25"	0.13"	40	* - * - 1.7	0.6 - 1.2 - 6.5
10"	1000	1833	0.44"	0.23"	49	* - 1.3 - 2.5	1.0 - 3.5 - 7.5
12"	1000	1273	0.16"	0.06"	42	* - 1.3 - 2.5	1.0 - 3.5 - 7.5
12"	1250	1592	0.26"	0.10"	50	1 - 2.2 - 3.2	2.3 - 7.4 - 12.0
12"	1500	1910	0.36"	0.13"	54	1.5 - 2.5 - 3.6	7.0 - 8.0 - 12.0



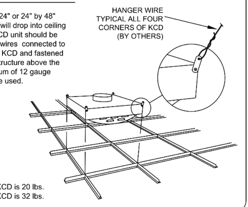
PROJECT: ROCKLAND BOCES
LOCATION: -
SUBMITTED BY: HALTON
DATE: 07.15.24
DRAWING #: U24-536
NOTES:

INLET DIA.	CFM	QTY	COLOR	ZONE
12"	1500	12	TBD	KITCHEN 1

Halton

KCD DIFFUSER SUPPORT DETAIL

The KCD is a 24" by 24" or 24" by 48" ceiling diffuser which will drop into ceiling grid systems. The KCD unit should be supported by hanger wires connected to all four corners of the KCD and fastened securely to the roof structure above the ceiling grid. A minimum of 12 gauge hanger wire should be used.



Weight of 24" X 24" KCD is 20 lbs.
Weight of 24" X 48" KCD is 32 lbs.

Halton title block (sheet 7): MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW: HALTON CO. (CANADA) 1021 BREVIK PLACE MISSISSAUGA, ON L4W 3R7 1-905-624-0301 — ☒ HALTON CO. (USA) 101 INDUSTRIAL DRIVE SCOTTSVILLE, KY 42164 1-270-237-5600 — WEBSITE: www.halton.com

REV.	REVISION DESCRIPTION	BY	DATE
1	NO CHANGE	JC	09.05.24

PROJECT: ROCKLAND BOCES KITCHEN 1 — LOCATION: — DRAWN BY: JC — DATE: 07.15.24 — SCALE: NOT TO SCALE — CONSULTANT: ELITE STUDIO E — Halton
DRAWING TITLE: DEMAND CONTROL DETAILS — DRAWING No.: U24-536-1.0 — REV. NO.: 1 — SHEET NO.: 7 of 7

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646.435.0660 office
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Owner

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New York, NY 10016
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ELITE | STUDIO E
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Farmingdale, NY, 11735
631-420-9400 office
www.elitestudioe.com

Construction Manager:

ARRIS CONTRACTING COMPANY, Inc.
189 Smith Street
Poughkeepsie, NY 12601
845-473-3600 office
www.arriscontracting.com

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME: FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)
SHEET NUMBER: FS-701

BID SET

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DRAWN BY: Author
CHECKED BY: Checker
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - v2023/1504_Rockland BOCES NY_FS.rvt
6/12/2025 11:49:54 AM

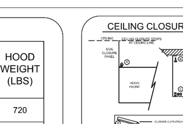
HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE: L	H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
E02-1	KVE	2390	0.50"	0.38"	1	16"	12"	4 1	20" 11"	16" 16"	KSA	ALL 18 GA. 304 S.S.	720
E02-2	KVE	2120	0.40"	0.30"	1	15"	12"	4 1	20" 11"	16" 16"	KSA	ALL 18 GA. 304 S.S.	712
F02-1	KVE	2767	0.43"	0.33"	1	20"	12"	5 1	20" 11"	16" 16"	KSA	ALL 18 GA. 304 S.S.	754
F02-2	KVE	3919	0.78"	0.66"	1	27"	12"	5 1	20" 11"	16" 16"	KSA	ALL 18 GA. 304 S.S.	754

TOTAL EXH. CFM = 11196

MAKE UP AIR GUIDELINES
- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTED AT HOOD. MUST INSTALL DIFFUSERS MINIMUM OF 48" [1219 MM] AWAY FROM ALL OPEN SIDES OF HOODS*.
*EXCEPTION-HALTON KCDs MAY BE PLACED 24" [610 MM] AWAY FROM ALL OPEN SIDES OF HOODS.

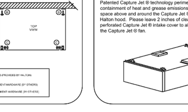
CEILING CLOSURE PANELS



CAPTURE JET CLEARANCE DETAIL

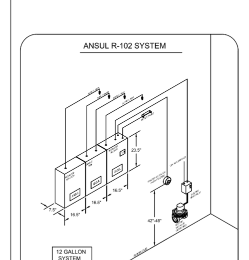
Capture Jet ® Fan Cover Clearance

Patented Capture Jet ® technology perimeter air jets improve capture and containment of heat and grease emissions. It is very important to leave air space above and around the Capture Jet ® air intake cover on the top of the Halton hood. Please leave 2 inches of clearance on the top and sides of the perforated Capture Jet ® intake cover to allow unimpeded entrance of air into the Capture Jet ® fan.



KITCHEN 2

ANSUL R-102 SYSTEM

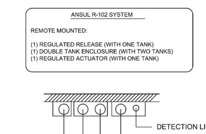


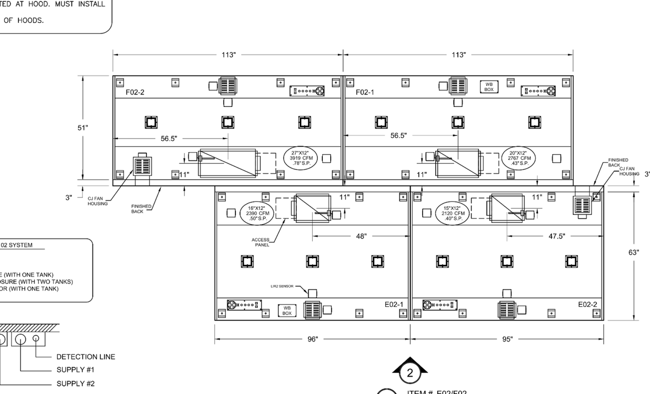
1) ANSUL R-102 FIRE SYSTEM
2) FOUR TANK SYSTEM (12 GALLON)
3) 3/8" BLACK IRON PIPING (CONCEALED) 3/8" S.S. APPLIANCE DROPS (EXPOSED)
4) ELECTRIC GAS VALVE = (ADVISE SIZE)

ANSUL R-102 SYSTEM

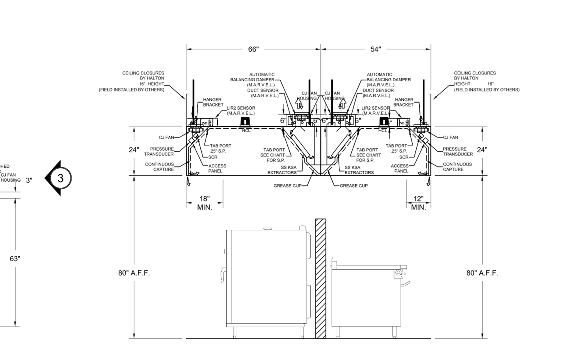
REMOTE MOUNTED:

(1) REGULATED RELEASE (WITH ONE TANK)
(1) DOUBLE TANK ENCLOSURE (WITH TWO TANKS)
(1) REGULATED ACTUATOR (WITH ONE TANK)



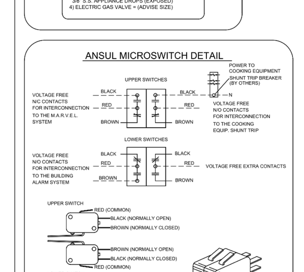


1 ITEM # E02/F02
PLAN VIEW



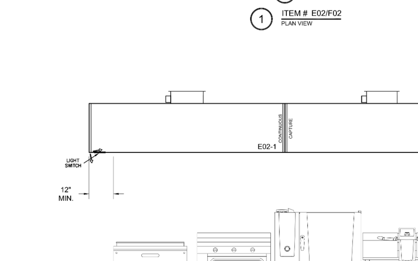
3 ITEM # E02/F02
SECTION VIEW

ANSUL MICROSWITCH DETAIL

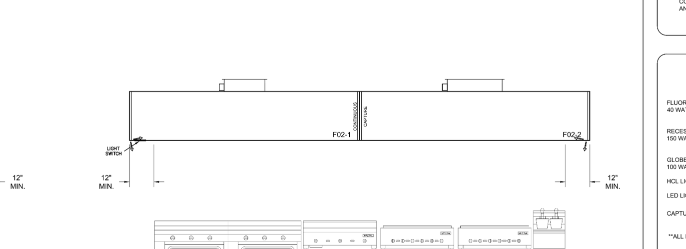


ANSUL SNAP ACTION SWITCHES. CONTACTS SHOWN WITH AUTOMAN IN THE COCKED POSITION (READY) 21 AMP, 125/250 VAC SWITCHES

FIELD WIRING BY ELECTRICAL CONTRACTOR



2 ITEM # E02-1/E02-2
ELEVATION VIEW



2 ITEM # F02-1/F02-2
ELEVATION VIEW

GENERAL SPECIFICATIONS

1- HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96, IMC SECTION 507 AND UL 710 STANDARD.

2- HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #103143204PRT-001

3- ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONS AND IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODE REQUIREMENTS.

4- THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96, REMOVAL OF SMOKE AND GREASE LADEN VAPORS FROM COMMERCIAL COOKING EQUIPMENT.

5- ALL EXHAUST DUCTWORK AND TRANSITIONS ARE TO BE PROVIDED BY THE HVAC CONTRACTOR.

6- CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.

7- FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS OF THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1- PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.

2- DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.

3- FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.

4- THE K.E.C MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FIELD MODIFICATIONS ARE THE RESPONSIBILITY OF THE K.E.C.

5- IF HALTON MANUAL EXHAUST VOLUME DAMPERS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THEIR INSTALLATION OR TO MAKE ARRANGEMENTS WITH OTHER TRADES FOR THEIR INSTALLATION.

6- IF HALTON MODEL KVL BACKSHELF STYLE HOODS ARE PROVIDED, THE K.E.C. IS RESPONSIBLE FOR THE INSTALLATION OF THE CAPTURE-JET FAN.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1- PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

FLUORESCENT LIGHT FIXTURE 40 WATT MAX BULB= .67 AMP EA.
RECESSED INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB= 1.25 AMP EA.
GLOBE INCANDESCENT LIGHT FIXTURE 100 WATT MAX BULB= .83 AMP EA.
HCL LIGHT FIXTURES= .13 AMP EA.
LED LIGHT FIXTURES= .30 AMP EA.
CAPTURE JET FAN= .72 AMP EA.

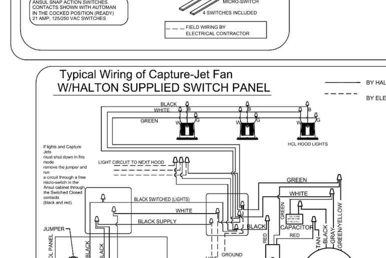
ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP
LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS

CEILING HEIGHT NOTE

IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F.: 10' - 0"

Typical Wiring of Capture-Jet Fan
W/HALTON SUPPLIED SWITCH PANEL



EXHAUST VOLUME DAMPER
MODEL: ABD (Automatic Balancing Damper)

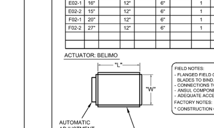
TAG	"L"(in/mm)		"W"(in/mm)		"H"(in/mm)		QTY	CONSTRUCTION	GREASE SENSOR	TEMP SENSOR	DETECTOR (HOOD/DAMPER)	ANSUL
E02-1	16"		12"		6"		1	16 GA. ALUM	N	Y	H	Y
E02-2	15"		12"		6"		1	16 GA. ALUM	N	Y	H	Y
F02-1	20"		12"		6"		1	16 GA. ALUM	N	Y	H	Y
F02-2	27"		12"		6"		1	16 GA. ALUM	N	Y	H	Y

ACTUATOR: BELIMO

GENERAL NOTES

FIELD NOTES:
- FLANGED FIELD CONNECTION REQUIRED. SLEEVED CONNECTION WILL CAUSE DAMPER BLADES TO BIND.
- CONNECTIONS TO MEET NFPA96 REQUIREMENTS.
- ANSUL COMPONENTS SHOWN FOR REFERENCE ONLY (UNLESS ORDERED WITH HOODS).
- ADEQUATE ACCESS MUST BE PROVIDED TO DAMPERS FOR FUTURE SERVICING.

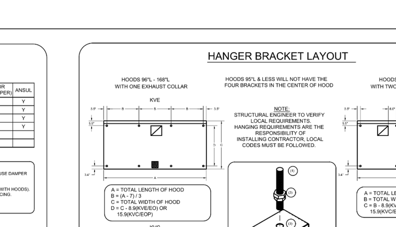
FACTORY NOTES:
* CONSTRUCTION OF DAMPER WILL BE 16 GA. ALUMINIZED STEEL.



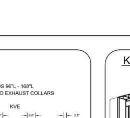
HANGER BRACKET LAYOUT

HOODS 96"L - 168" WITH ONE EXHAUST COLLAR
HOODS 95"L & LESS WILL NOT HAVE THE FOUR BRACKETS IN THE CENTER OF HOOD
HOODS 96"L - 168" WITH TWO EXHAUST COLLARS

NOTE:
STRUCTURAL ENGINEER TO VERIFY LOCAL REQUIREMENTS. HANGING REQUIREMENTS ARE THE RESPONSIBILITY OF INSTALLING CONTRACTOR. LOCAL CODES MUST BE FOLLOWED.



KSA GREASE EXTRACTOR



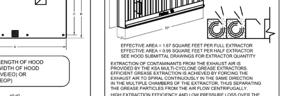
MANUFACTURER: HALTON CO. GREASE EXTRACTION DEVICE UL1046 APPROVED UL FILE #R13515

EFFECTIVE AREA = 1.57 SQUARE FEET PER FULL EXTRACTOR
EFFECTIVE AREA = 0.95 SQUARE FEET PER HALF EXTRACTOR
SEE HOOD SUBMITTAL DRAWINGS FOR EXTRACTOR QUANTITY

EXTRACTION OF CONTAMINANTS FROM THE EXHAUST AIR IS PROVIDED BY THE KSA MULTI-CYCLONE GREASE EXTRACTORS. EFFICIENT GREASE EXTRACTION IS ACHIEVED BY FORCING THE EXHAUST AIR TO SPIRAL CONTINUOUSLY IN THE SAME DIRECTION IN THE MULTIPLE CHAMBERS OF THE EXTRACTOR, THUS SEPARATING THE GREASE PARTICLES FROM THE AIR FLOW CENTRIFUGALLY. HIGH EXTRACTION EFFICIENCY AND LOW PRESSURE LOSS OVER THE KSA REMAIN PRACTICALLY CONSTANT.

KSA REMOVAL TOOL

MODEL: "KFR"



PERFORMANCE CRITERIA

OTHER MANUFACTURERS WISHING TO OFFER AN ALTERNATE TO THE SPECIFIED MANUFACTURER MUST APPLY FOR PERMISSION TO DO SO IN WRITING FROM THE OFFICE OF THE SPECIFYING CONSULTANT. APPLICATION MUST BE RECEIVED BY THE CONSULTANT AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE. ANY ALTERNATE SYSTEM MUST MEET CONSTRUCTION AND PERFORMANCE REQUIREMENTS AND EFFICIENCIES AS OUTLINED IN THIS SPECIFICATION.

REQUESTS FOR APPROVAL MUST INCLUDE GREASE FILTRATION PERFORMANCE DATA (MICRON SIZE VS. EXTRACTION EFFICIENCY) AND MANUFACTURERS OWN EXHAUST AIR FLOW CALCULATIONS BASED ON THE CONVECTIVE HEAT LOAD OF COOKING EQUIPMENT BENEATH THE HOOD.

EFFICIENCY COMPARISON DATA TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT ASTM STANDARD F1704 AND INCLUDE RESULTS FOR THE REQUIRED CAPTURE AND CONTAINMENT EXHAUST AIR FLOW IN ACCORDANCE WITH THE "TEST METHOD TO DETERMINE THE THRESHOLD OF CAPTURE AND CONTAINMENT." DATA MUST INCLUDE THERMAL IMAGING RESULTS VALIDATING CONFORMANCE TO ASTM F1704 AND SUPPLY AIR TEMPERATURE REQUIREMENT OF 74°F.

MAKE UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED BY THE SPECIFIED SYSTEM. AN ADDITIONAL LOAD CANNOT BE PLACED ON THE KITCHEN HVAC SYSTEM.

MANUFACTURER MUST PROVIDE A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER THAT THE SYSTEM WILL PERFORM TO THE ENGINEER'S SATISFACTION WHEN INSTALLED AND BALANCED ACCORDING TO DESIGN AIR FLOWS AND RESULTS OF ASTM STANDARD F1704 TEST. (AS DETERMINED BY TAB PORTS AND PRESSURE VS. AIR FLOW CURVES.) CONSULTANT RESERVES THE RIGHT TO REJECT ANY SYSTEM WHICH, WHEN INSTALLED, DOES NOT PROVIDE CAPTURE AND CONTAINMENT AT THE THRESHOLD FLOW RATE DETERMINED IN ASTM F1704. REJECTED SYSTEM MUST BE REPLACED WITH SPECIFIED SYSTEM, WITH ALL REPLACEMENT COSTS PAID BY MANUFACTURER OF REJECTED SYSTEM.

ANY CHANGES IN THE SPECIFIED SIZING OF POWER WIRING, FAN SIZE, HORSEPOWER REQUIREMENTS, OR GAS LINES DUE TO THE USE OF ANY SYSTEM OTHER THAN THAT WHICH IS SPECIFIED IS THE RESPONSIBILITY OF THE ALTERNATE HOOD MANUFACTURER, AND MUST BE COORDINATED BY THE HOOD MANUFACTURER AND CONTRACTORS INVOLVED.

THIS DRAWING MUST BE CHECKED, SIGNED AND RETURNED TO THE APPROPRIATE FACTORY. PLEASE VERIFY THE FOLLOWING:
1. ALL DIMENSIONAL INFORMATION, MOUNTING POSITIONS AND CLEARANCES.
2. THE LOCATION AND TYPE OF COOKING EQUIPMENT.
NOTE TO APPROVER
ANY CHANGES IN COOKING EQUIPMENT SUCH AS INCREASED ENERGY INPUTS OR EQUIPMENT POSITION MAY AFFECT EXHAUST AIRFLOW. HALTON MUST BE NOTIFIED IF ANY OF THESE CHANGES OCCUR, A RECALCULATION EXHAUST AIRFLOW MAY BE REQUIRED.
☐ REVISE AND RESUBMIT
APPROVED FOR FABRICATION
☐ WITH NO CHANGES ☐ WITH CHANGES AS NOTED
APPROVED BY / DATE

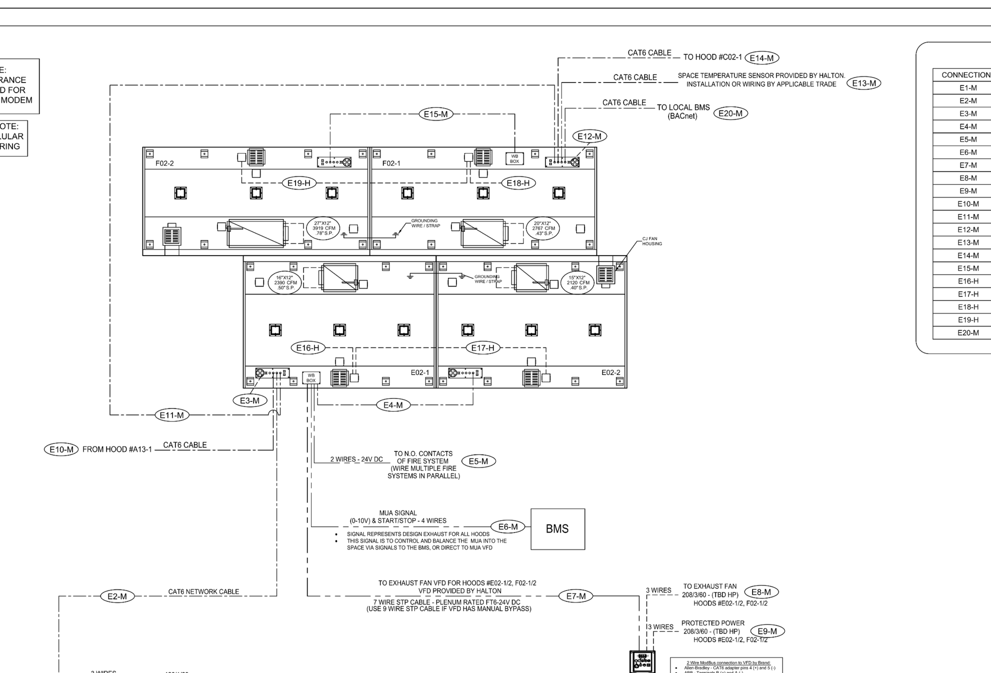
MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW:
WEBSITE: www.halton.com
HALTON CO. (USA) 101 INDUSTRIAL DRIVE SCOTTSVILLE, KY 42164 1-270-237-5600
HALTON CO. (CANADA) 1021 BREVIK PLACE MISSISSAUGA, ON L4W 3R7 1-905-624-0301

REV.	REVISION DESCRIPTION	BY	DATE
1	ADDED CEILING AND HANGING HEIGHT	JC	09.05.24

PROJECT: ROCKLAND BOCES KITCHEN 2
LOCATION:
DRAWN BY: JC DATE: 07.11.24
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E
Halton
DRAWING TITLE: HOOD DETAILS
DRAWING No.: U24-536-2.0
REV. NO.: 1 SHEET NO.: 1 of 3

NOTE: 12" CLEARANCE REQUIRED FOR CELLULAR MODEM

SHOP NOTE: C/W CELLULAR MONITORING



NOTE:
HALTON SUPPLIED VARIABLE FREQUENCY DRIVES (VFD'S).
MANUFACTURER: WEG
VFD'S WILL BE PROGRAMMED BY HALTON.

M.A.R.V.E.L. TOUCH SCREEN
CONTROL PANEL 1

OVERRIDE IN HMI

NOTE:
12" CLEARANCE REQUIRED FOR CELLULAR MODEM

SHOP NOTE:
C/W CELLULAR MONITORING

ELECTRICAL & DATA CABLE CONNECTION SCHEDULE

CONNECTION #	CONNECTION DESCRIPTION	FROM	TO
E1-M	120V, 15AMP - CONTROL PANEL POWER - 3 WIRES	BUILDING SOURCE	TOUCH SCREEN
E2-M	CAT6 CABLE - NETWORK CABLE	TOUCH SCREEN	HOOD #E02-1
E3-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #E02-1
E4-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #E02-1	HOOD #E02-2
E5-M	FIRE MODE SIGNAL - TO FIRE SUPPRESSION PANEL - 2 WIRES	HOOD #E02-1	FIRE SYSTEM
E6-M	0-10V & START/STOP MUA SIGNAL TO BMS - 4 WIRES	HOOD #E02-1	BMS
E7-M	7 WIRE STP CABLE - PLENUM RATED FT6 - TO EF VFD	HOOD #E02-1	VFD
E8-M	HIGH VOLTAGE WIRING FROM BUILDING SOURCE TO VFD	BUILDING SOURCE	VFD
E9-M	HIGH VOLTAGE WIRING FROM VFD TO FAN MOTOR	VFD	EF MOTOR
E10-M	CAT6 CABLE - PROVIDED BY OTHERS	HOOD #A13-1	HOOD #E02-1
E11-M	CAT6 CABLE - NETWORK CABLE	HOOD #E02-1	HOOD #F02-1
E12-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #F02-1
E13-M	CAT6 CABLE - TO SPACE TEMPERATURE SENSOR	HOOD #F02-1	TEMP SENSOR
E14-M	CAT6 CABLE - PROVIDED BY OTHERS	HOOD #F02-1	HOOD #C02-1
E15-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #F02-1	HOOD #F02-2
E16-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #E02-1
E17-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #E02-1	HOOD #E02-2
E18-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #F02-1
E19-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #F02-1	HOOD #F02-2
E20-M	CAT6 CABLE - FOR BMS(BACNET)	HOOD #F02-1	BMS

KITCHEN 2

M.A.R.V.E.L. Basic 2 Sequence of Operation
☒ M.A.R.V.E.L. Basic 2
Standard Sequence
Start up & shut down
- Off
- Idle
- Cooking or active mode
Make up air
- 0-10V Output
Fire system sequence
Standard override feature
- ABD adjustment

COMMUNICATION WIRING NOTE:

MAXIMUM LENGTH OF CABLES BETWEEN ANY THREE CONTROLLERS (CONTROL PANELS, HOODS, ETC) IN SERIES IS 328 FEET (100 METERS). THIS ALLOWS CONTINUED COMMUNICATION THROUGH A FAILED CONTROLLER. IF GREATER CABLE LENGTH IS NEEDED BETWEEN CONTROLLERS, AN INLINE ETHERNET BOOSTER MUST BE SPECIFIED AND USED.

NOTES:

ALL FIELD WIRING AND CONNECTION POINTS ARE SUBJECT TO CHANGE DUE TO ELECTRICAL COMPONENT(S) UPDATE OR OBSOLESCENCE. HALTON WILL NOT BE LIABLE FOR ANY CHANGE ORDERS BASED ON DRAWINGS CREATED ONE OR MORE YEARS PRIOR TO PRODUCTION. WHEN RELEASED AN UPDATED SET OF ELECTRICAL DIAGRAM(S) WILL BE SUPPLIED.

CONNECTIVITY NOTES:

IF COMMUNICATION WITH BUILDING MANAGEMENT SYSTEM (BMS) IS VIA BACNET, THE COMMUNICATION PROTOCOL DEFAULT IS BACNET IP.

M.A.R.V.E.L. SCOPE OF WORK

RESPONSIBILITY TO BE SELECTED BY GENERAL CONTRACTOR

DEFINITIONS FOR REFERENCE:

M.A.R.V.E.L. I SYSTEMS = 1 EXHAUST FAN SERVING 1 KITCHEN HOOD

M.A.R.V.E.L. II SYSTEMS = 1 EXHAUST FAN SERVING MULTIPLE KITCHEN HOODS

VFD = VARIABLE FREQUENCY DRIVES

CONNECTION LOCATIONS WILL VARY PER SYSTEM, REFER TO HALTON M.A.R.V.E.L. DIAGRAMS FOR SPECIFICS

1. APPLICABLE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE M.A.R.V.E.L. CONTROL PANEL. LOCATION TO BE DETERMINED BY GC AND SHALL BE WITHIN SAME SPACE AS THE KITCHEN HOODS BEING SERVED BY PANEL. (M.A.R.V.E.L. I HOOD SYSTEMS WILL NOT HAVE SUCH PANEL)
2. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 115V (15AMP) DEDICATED CIRCUIT AT M.A.R.V.E.L. CONTROL PANEL
3. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL RJ45 CAT6 CABLE CONNECTION AT M.A.R.V.E.L. CONTROL PANEL FOR M.A.R.V.E.L. II SYSTEMS OR AT KITCHEN HOOD FOR M.A.R.V.E.L. I SYSTEMS FOR I.P. ADDRESS.
4. APPLICABLE CONTRACTOR TO INSTALL SPACE TEMP SENSOR (SUPPLIED BY HALTON) IN SAME SPACE AS KITCHEN HOOD SYSTEM AND 48"-54" A.F.F. NEAREST MUA T-STAT.
5. APPLICABLE CONTRACTOR SHALL SUPPLY AND RUN RJ45 CAT6 CABLE CONNECTION FROM SPACE TEMP SENSOR TO M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR TO KITCHEN HOOD (M.A.R.V.E.L. I)
6. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 2 WIRE 24V DC WIRING FROM ANSUL FIRE SYSTEM EITHER TO M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR TO KITCHEN HOOD (M.A.R.V.E.L. I).
7. APPLICABLE CONTRACTOR TO SUPPLY AND RUN RJ45 CAT6 CABLE FROM HOOD TO HOOD AND TO PANEL AS SHOWN IN HALTON M.A.R.V.E.L. DIAGRAM.
8. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 4 WIRE MUA SIGNAL (0-10V & START/STOP) FROM M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR FROM KITCHEN HOOD (M.A.R.V.E.L. I) TO BMS OR DDC.
9. APPLICABLE CONTRACTOR TO SUPPLY AND RUN 7 WIRE STP PLENUM RATED CABLE (9 WIRE STP CABLE IF VFD IS PROVIDED WITH BYPASS) FROM M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. II) OR FROM KITCHEN HOOD (M.A.R.V.E.L. I) TO EXHAUST FAN VFD(S) (VFD'S AND CABINET SUPPLIED BY HALTON UNLESS OTHERWISE NOTED)
10. APPLICABLE CONTRACTOR TO SUPPLY AND RUN RJ45 CAT6 CABLE FROM CONTROL PANEL TO VFD, FOR MODBUS COMMUNICATION.
11. APPLICABLE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE VFD(S). LOCATION TO BE DETERMINED BY GC AND SHALL BE WITHIN 150 FEET MAX DISTANCE FROM EXHAUST FAN(S).
12. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL THREE PHASE OR SINGLE PHASE POWER FEED FROM CIRCUIT BREAKER(S) TO VFD(S). APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL THREE PHASE OR SINGLE PHASE POWER FROM VFD(S) TO EXHAUST / MUA (IF APPLICABLE) MOTORS. ALL TO BE RAN IN SEPARATE CONDUIT.
13. APPLICABLE CONTRACTOR SHALL INSTALL GREASE SENSOR(S), IF PROVIDED, IN MAIN EXHAUST TRUNK, AND WIRE THE SENSOR BACK TO THE DESIGNATED LOCATION.
14. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 115V (15AMP) DEDICATED CIRCUIT AT EACH KITCHEN HOOD. (IF HOODS ARE UV, A SECOND 115V DEDICATED CIRCUIT IS REQUIRED.)
15. INSTALLING CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING ADEQUATE ACCESS TO ALL COMPONENTS LOCATED ABOVE HOOD.
16. HALTON REPRESENTATIVE TO PERFORM FINAL FIELD COMMISSIONING ONCE ALL RESPONSIBILITIES ARE COMPLETED ABOVE.

NOTES:

ALL WIRING AND CABLING TO BE PROVIDED BY ELECTRICAL CONTRACTOR UNLESS STATED OTHERWISE

NOTES:

ALL FAN MOTORS MUST BE COMPATIBLE WITH VARIABLE FREQUENCY DRIVES (VFD'S). ALL MOTORS MUST BE CONNECTED TO THREE PHASE POWER. ELECTRONICALLY COMMUTATED MOTORS (ECM) ARE ALSO ACCEPTABLE IF SINGLE PHASE POWER IS TO BE USED. (24V POWER SUPPLY TO THE ECM IS BY OTHERS)

NOTES:

ALL VARIABLE FREQUENCY DRIVES (VFD'S) MUST BE INSTALLED WITHIN 150' OF THE EXHAUST FAN.

FAN CONFIGURATION DATA FOR M.A.R.V.E.L.

Exhaust Data:
EF Item #: ______ Voltage/Phase/Hertz: ___/___/___
EF HP: ______
Hood Item #'s connected to this fan: ______
EF Item #: ______ Voltage/Phase/Hertz: ___/___/___
EF HP: ______
Hood Item #'s connected to this fan: ______
EF Item #: ______ Voltage/Phase/Hertz: ___/___/___
EF HP: ______
Hood Item #'s connected to this fan: ______
EF Item #: ______ Voltage/Phase/Hertz: ___/___/___
EF HP: ______
Hood Item #'s connected to this fan: ______

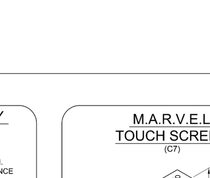
Make Up Air Data:
Quantity of MUA "Zones": ______
Hood Item #'s located in Zone 1: ______
Hood Item #'s located in Zone 2: ______

NOTE: Above information must be completed in full prior to project being released for production. If more than four exhaust fans or two MUA zones are being used, please provide this data as well.

VARIABLE FREQUENCY DRIVE (VFD)

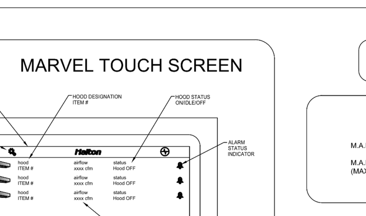
- VFD PHYSICAL DIMENSIONS TO BE DETERMINED BY MOTOR HORSEPOWER AND VOLTAGE.
- VFD TO BE MOUNTED IN DESIGNATED LOCATION.
- VFD MUST BE LOCATED WITHIN 150' OF FAN MOTOR.
- INSTALL SEPERATE CONDUITS FOR INCOMING & OUTGOING WIRING FROM EACH VFD.
- VFD'S ARE SUPPLIED & PROGRAMMED BY HALTON. THEY ARE TO BE INSTALLED & WIRED BY APPLICABLE TRADE OTHER THAN HALTON.
- VFD CABINETS ARE NOT SUPPLIED BY HALTON.
- IF VFD CABINETS ARE SUPPLIED IN THE FIELD, ENSURE THAT CABINET IS PROPERLY VENTILATED.

M.A.R.V.E.L. TOUCH SCREEN
(C7)



LOCAL CODE AND ADA RECOMMENDED MOUNTING POSITIONS/LOCATIONS MUST ALSO BE TAKEN INTO ACCOUNT BY INSTALLING CONTRACTOR

Halton MARVEL TOUCH SCREEN



M.A.R.V.E.L. SYSTEM

M.A.R.V.E.L. EQUIPMENT CONNECTED LOADS

M.A.R.V.E.L. CONTROL PANEL= 10 AMPS EA.

M.A.R.V.E.L. PLC AT EACH HOOD SECTION= 4 AMPS EA. (MAXIMUM 3 M.A.R.V.E.L. HOOD PLC'S PER 15A CIRCUIT)

ALL CIRCUITS ARE NOT TO EXCEED 15 AMP

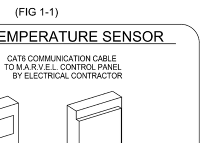
NOTES:

- FIELD WIRING (BY E.C.) - 120V - 12AWG MIN.-10AWG MAX.
- FIELD WIRING (BY E.C.) - 24V - 22AWG MIN.-16AWG MAX.
- FIELD WIRING (BY E.C.) - 24V - CAT6

(FIG 1-1)

SPACE TEMPERATURE SENSOR

CAT6 COMMUNICATION CABLE TO M.A.R.V.E.L. CONTROL PANEL BY ELECTRICAL CONTRACTOR



TEMPERATURE SENSOR TO BE MOUNTED AWAY FROM VARYING SOURCES OF HEAT. USUALLY IN CLOSE PROXIMITY TO THE ROOM THERMOSTAT. SENSOR TO BE LOCATED IN SAME "ZONE" AS HOODS THEY SERVE, BY NO CLOSER THAN 10'-12' FROM THE EXHAUST HOOD OR ANY OTHER UNHOODED APPLIANCES.

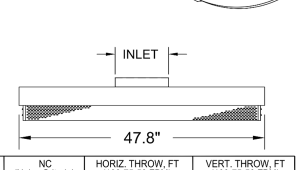
REV.	REVISION DESCRIPTION	BY	DATE
1	NO CHANGE	JC	09.05.24

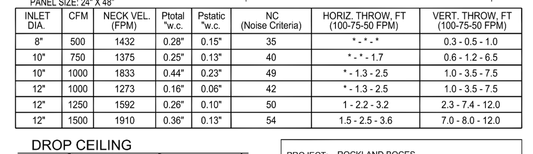
PROJECT: ROCKLAND BOCES KITCHEN 2
DRAWN BY: JC DATE: 07.15.24
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E
Halton
DRAWING TITLE: DEMAND CONTROL DETAILS
DRAWING No.: U24-536-2.0
REV. NO.: 1 SHEET NO.: 2 of 3

KCD APPLICATION & DESCRIPTION

The KCD is a 24" by 48" nominal dimensioned ceiling diffuser to replace 24" by 24" four-way diffusers used in the commercial kitchen environment.
The KCD is also utilized in the Self Balancing Kitchen concept when paired with Variable Air Volume (VAV) devices. Weight is 32 lbs.

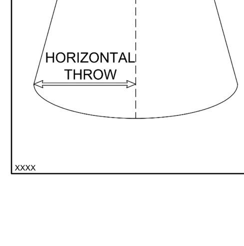
KCD 24" X 48"





PANEL SIZE: 24" X 48"

INLET DIA.	CFM	NECK VEL. (FPM)	Ptotal "w.c.	Pstatic "w.c.	NC (Noise Criteria)	HORIZ. THROW, FT (100-75-50 FPM)	VERT. THROW, FT (100-75-50 FPM)
8"	500	1432	0.28"	0.15"	35	* - * - *	0.3 - 0.5 - 1.0
10"	750	1375	0.25"	0.13"	40	* - * - 1.7	0.6 - 1.2 - 6.5
10"	1000	1833	0.44"	0.23"	49	* - 1.3 - 2.5	1.0 - 3.5 - 7.5
12"	1000	1273	0.16"	0.06"	42	* - 1.3 - 2.5	1.0 - 3.5 - 7.5
12"	1250	1592	0.26"	0.10"	50	1 - 2.2 - 3.2	2.3 - 7.4 - 12.0
12"	1500	1910	0.36"	0.13"	54	1.5 - 2.5 - 3.6	7.0 - 8.0 - 12.0



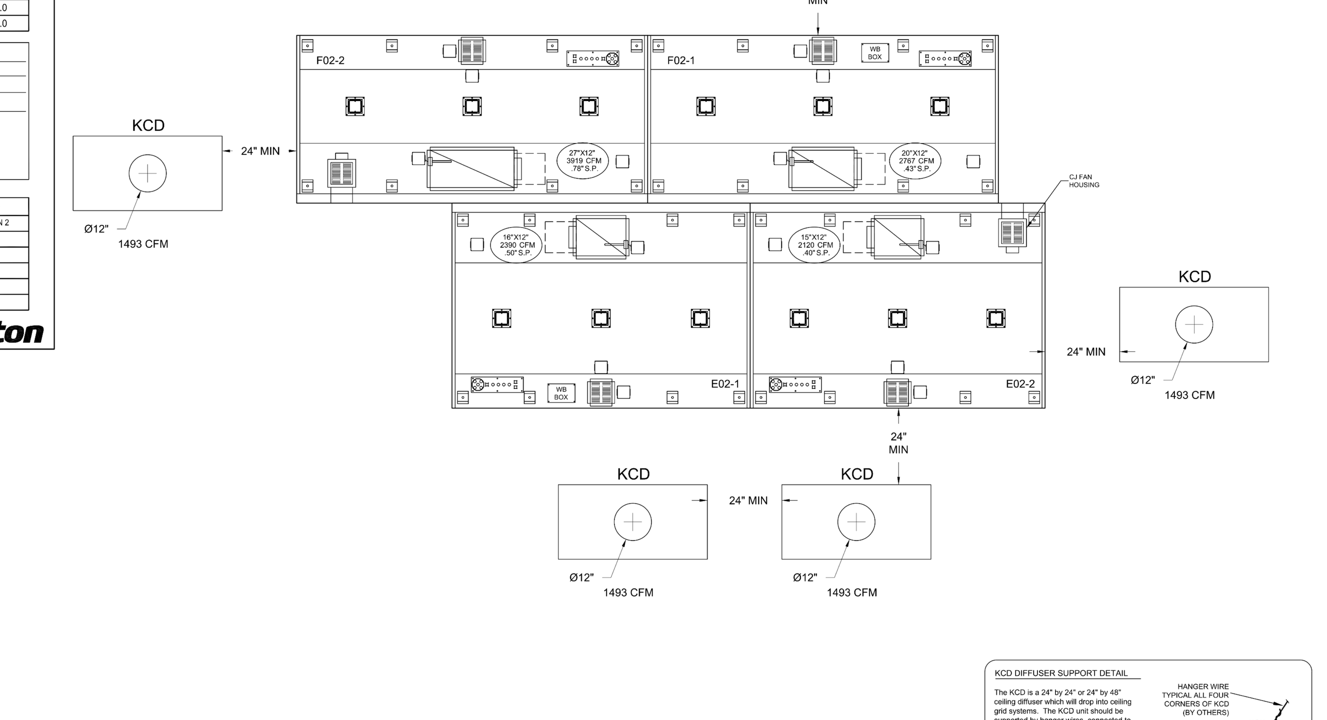
PROJECT: ROCKLAND BOCES
LOCATION: KITCHEN 2
SUBMITTED BY: HALTON
DATE: 07.15.24
DRAWING #: U24-536
NOTES:

INLET DIA.	CFM	QTY	COLOR	ZONE
12"	1493	6	TBD	KITCHEN 2

XXXX

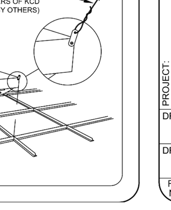
Halton

KITCHEN 2



KCD DIFFUSER SUPPORT DETAIL

The KCD is a 24" by 24" or 24" by 48" ceiling diffuser which will drop into ceiling grid systems. The KCD unit should be supported by hanger wires connected to all four corners of the KCD and fastened securely to the roof structure above the ceiling grid. A minimum of 12 gauge hanger wire should be used.



Weight of 24" X 24" KCD is 20 lbs.
Weight of 24" X 48" KCD is 32 lbs.

REV.	REVISION DESCRIPTION	BY	DATE
1	NO CHANGE	JC	09.05.24

PROJECT: ROCKLAND BOCES KITCHEN 2
DRAWN BY: JC DATE: 07.15.24
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E
Halton
DRAWING TITLE: DEMAND CONTROL DETAILS
DRAWING No.: U24-536-2.0
REV. NO.: 1 SHEET NO.: 3 of 3

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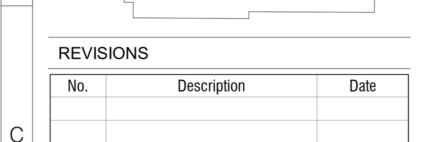
ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME:
FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)
SHEET NUMBER:
FS-702

BID SET

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HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE: L	SIZE: H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
B1-1	KVE	1330	0.21"	0.11"	1	12"	10"	1	20"	12"	KSA	ALL 18 GA. 304 S.S.	800
B1-2	KVE	1330	0.21"	0.11"	1	12"	10"	1	20"	12"	KSA	ALL 18 GA. 304 S.S.	800

TOTAL EXH. CFM = 2660

MAKE-UP AIR GUIDELINES

- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTLY AT HOOD. MUST INSTALL BAFFLES IF DIFFUSERS WITHIN 10' OF HOOD OPENING.
- DIFFUSERS MINIMUM OF 48" LATERAL AWAY FROM ALL OPEN SIDES OF HOODS.
- EXCEPTION—HALTON KVA MAY BE PLACED 24" (610 MM) AWAY FROM ALL OPEN SIDES OF HOODS.

KITCHEN 3

ANSUL R-102 SYSTEM

REMOTE MOUNTED:
(1) ELEC. REGULATED RELEASE (WITH ONE TANK)
(1) SINGLE TANK ENCLOSURE (WITH ONE TANK)

DETECTION LINE
SUPPLY #1
SUPPLY #2

ANSUL R-102 SYSTEM

4 GALLON SYSTEM

1-ANSUL R-102 FIRE SYSTEM
2-TWO TANK SYSTEM ENCLOSURE
3-SINGLE TANK ENCLOSURE (WITH ONE TANK)
4-DETECTION LINE (LINEAR HEAT)
5-SUPPLY #1
6-SUPPLY #2
7-ADJUSTING GAIN VALVE (+/-ARROW SIZE)

ITEM # B10 — FLOOR VIEW

ITEM # B10 — ELEVATION VIEW

ITEM # B10 — ELEVATION VIEW

CLOSURE PANELS ON FRONT AND SIDES

EXHAUST HOOD MUST BE INSTALLED SO THAT THE COOKING SURFACE IS CENTERED UNDER THE EXHAUST HOOD ABOVE.

CEILING CLOSURE PANELS

CAPTURE JET CLEARANCE DETAIL

Capture Jet Air Duct Clearance

Transfer duct may be reduced in size at point where capture jet supply duct is connected but capture jet duct shall be at least 50% of the cross sectional area of the transfer duct. Reduction in duct size shall be made at the point where the capture jet supply duct is connected to the transfer duct.

ANSUL MICROSWITCH DETAIL

TOWER TO CONTROL EQUIPMENT (COAST TIME BREAKER EQUIP. SHUNT TRIP)

VOLTAGE FREE NO CONTACTS FOR INTERCONNECTION TO THE BUILDING ALARM SYSTEM

VOLTAGE FREE NO CONTACTS FOR INTERCONNECTION TO THE COOKING EQUIP. SHUNT TRIP

VOLTAGE FREE EXTRA CONTACTS

UPPER SWITCH
LOWER SWITCH
RED - COMMON
BLACK - NORMALLY OPEN
BROWN - NORMALLY CLOSED

WHEN MECHANICAL ACTION SWITCHES ARE ACTUATED BY FUSIBLE LINK OR CABLE PULLEY SYSTEM, THE CABLE MUST BE INSTALLED WITH A MINIMUM OF 1/4" TENSION AND SUFFICIENT SLACK TO ALLOW FOR EXPANSION.

FIELD WIRING BY ELECTRICAL CONTRACTOR

GENERAL SPECIFICATIONS

1. HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96, IMC SECTION 507 AND UL 710 STANDARD.
2. HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #10123456789 001.
3. ALL INSTALLATION WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
4. THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96, MECHANICAL OR SMOKE AND GREASE DUCTS AND APPLICABLE BUILDING CODES.
5. ALL EXHAUST DUCTWORK AND TRANSITIONS SHALL BE FURNISHED BY THE HVAC CONTRACTOR.
6. CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.
7. FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS FOR THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1. PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.
2. DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM FOR DRAWING.
3. FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.
4. THE A.S.C.I.MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FAILU RE TO DO SO MAY BE THE RESPONSIBILITY OF THE A.S.C.I.
5. IF HALTON MODEL EVL MACHINERY STYLE HOODS ARE PROVIDED, THE A.S.C. IS RESPONSIBLE FOR THE INSTALLATION OF THE CAPTURE JET FAN.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1. PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTIONS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

FLUORESCENT LIGHT FIXTURE 48 WATT MAX BULB - 37 AMP EA.

RECESSED INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB - 1.25 AMP EA.

GLOBE INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB - 83 AMP EA.

HID, LIGHT FIXTURES - 10 AMP EA.

LED LIGHT FIXTURES - 30 AMP EA.

CAPTURE JET FAN - 70 AMP EA.

ALL HOOD CIRCUITS ARE NOT TO EXCEED 16 AMP.

"LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS"

CEILING HEIGHT NOTE

IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F. : **10' - 0"**

Typical Wiring of Capture-Jet Fan WHALTON SUPPLIED SWITCH PANEL

BY WHALTON — BY ELECTRICIAN

EXHAUST VOLUME DAMPER
MODEL: ABD (Automatic Balancing Damper)

No.	Y (mm)	Y (inches)	W (mm)	W (inches)	Lm (mm)	Lm (inches)	Weight (kg)	Weight (lbs)	Cat. No.
1	127	5"	127	5"	0.25 KLSR	10	5	11	5
2	203	8"	203	8"	0.25 KLSR	10	8	18	8
3	254	10"	254	10"	0.25 KLSR	10	10	22	10
4	305	12"	305	12"	0.25 KLSR	10	12	26	12
5	356	14"	356	14"	0.25 KLSR	10	14	31	14
6	406	16"	406	16"	0.25 KLSR	10	16	35	16

ACTUATOR MOUNTING

GENERAL NOTES

PROVIDED BY HALTON:
- DAMPER WITH ACTUATOR PRE-WIRED, ALARM CONNECTION, CLOSE WHEN POWER IS INTERRUPTED
- ACTUATOR WITH BUILT-IN TERMINALS FOR FIELD WIRING
- ACTUATOR WITH BUILT-IN HOUSING TO PROTECT CONNECTIONS AND WIRING
- CONNECTION OF DAMPER ACTUATOR TO ALARM SYSTEM

HANGER BRACKET LAYOUT

HOOD WT. < 90PL
HOOD WT. > 90PL

STRUCTURAL SUPPORT BY OTHERS
LOCATE SUSPENSION RODS AT HOOD CORNERS AND MIDPOINTS OF LONG SIDES
WELDING CONNECTION BY OTHERS
DRAW NUT AS FOLLOWED

KSA GREASE EXTRACTOR

KSA REMOVAL TOOL

PERFORMANCE CRITERIA

OTHER MANUFACTURERS WISHING TO OFFER AN ALTERNATE TO THE SPECIFIED MANUFACTURER MUST SUBMIT A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER AND OWNER THAT THE ALTERNATE PROVIDES AT LEAST THE SPECIFIED CFM AND PRESSURE DROP, APPLICATION CONSULTANT AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE. THE SUBMITTAL MUST INCLUDE ALL PERFORMANCE AND CONSTRUCTION REQUIREMENTS AND BE ACCOMPANIED BY CERTIFIED TEST REPORTS FROM AN INDEPENDENT TEST AGENCY.

REQUESTS FOR APPROVAL MUST INCLUDE GREASE EXTRACTION EFFICIENCY AND MANUFACTURERS ZONE EXTRACT METHOD CALCULATIONS BASED ON THE SPECIFIED CFM AND PRESSURE DROP AT, AND BELOW, MINIMUM CFM AS STATED IN THE SPECIFICATION.

EFFICIENCY COMPARISON DATA TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT ASTM STANDARD F1704 TEST. AIR VELOCITY CAPTURE AND CONTAINMENT OF THE THRESHOLD FLOW EXHAUST AIR FLOW CALCULATIONS BASED ON THE SPECIFIED AIRFLOW RATE ALL WITH ADJACENT COOKING EQUIPMENT TURNED ON AND OFF.

ANY CHANGES IN THE SPECIFIED SIZING OF PANELS WITH FIRE SIDE ACKNOWLEDGED REQUIREMENTS, OR GAS LINES DUE TO THE USE OF ANY ALTERNATIVE OTHER THAN THAT WHICH WAS SPECIFIED ORIGINALLY, SHALL BE THE RESPONSIBILITY OF THE HOOD MANUFACTURER AND CONTRACTORS INVOLVED.

MAKE-UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED AT THE SPECIFIED SYSTEM. AN ADDITIONAL 1000 CUBICS WILL BE PLACED ON THE EXTERIOR/ATTIC SYSTEM.

REV. NO.	DESCRIPTION	DATE	BY
1	ADDED CEILING AND DIMENSIONS	06/30/25	AC

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW

HALTON CO. (USA)
HEADQUARTERS
101 INDUSTRIAL DRIVE
MEBANE, NC 27302
1-919-563-5911

HALTON CO. (CANADA)
7555 MAIN ST. E.
MILTON, ONTARIO, L9T 2Y8
1-905-564-5151

HEBERT - www.hebert.com

ROCKLAND BOCES
KITCHEN 3
65 PARROT RD.
WEST NYACK, NY 10994
CONSULTANT: ELITE STUDIO E

DRAWN BY: AC
CHECKED BY: MT
DATE: 07.11.24
SCALE: NOT TO SCALE

Halton

DRAWING TITLE: HOOD DETAILS

DRAWING NO.: U24-536-3.0

REV. NO.: 1 SHEET NO.: 3 of 8

HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE: L	SIZE: H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
B4-1	KVE	1330	0.21"	0.11"	1	12"	10"	1	20"	12"	KSA	ALL 18 GA. 304 S.S.	800
B4-2	KVE	1330	0.21"	0.11"	1	12"	10"	1	20"	12"	KSA	ALL 18 GA. 304 S.S.	800

TOTAL EXH. CFM = 2660

MAKE-UP AIR GUIDELINES

- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TRANSFER AIR FROM PARTS OF THE BUILDING OTHER THAN THE KITCHEN SHALL NOT EXCEED 50 FPM VELOCITY.
- NO SLOT, 2-WAY, 3-WAY OR 4-WAY CEILING DIFFUSER SHALL PROVIDE AIRFLOW DIRECTLY AT HOOD. MUST INSTALL BAFFLES IF DIFFUSERS WITHIN 10' OF HOOD OPENING.
- DIFFUSERS MINIMUM OF 48" LATERAL AWAY FROM ALL OPEN SIDES OF HOODS.
- EXCEPTION—HALTON KVA MAY BE PLACED 24" (610 MM) AWAY FROM ALL OPEN SIDES OF HOODS.

KITCHEN 3

CLOSURE PANELS ON ALL ENDS AND ON FRONT OF B2-1 ONLY

ANSUL R-102 SYSTEM

REMOTE MOUNTED:
(1) ELEC. REGULATED RELEASE (WITH ONE TANK)
(1) SINGLE TANK ENCLOSURE (WITH ONE TANK)

DETECTION LINE
SUPPLY #1
SUPPLY #2

4 GALLON SYSTEM

1-ANSUL R-102 FIRE SYSTEM
2-TWO TANK SYSTEM ENCLOSURE
3-SINGLE TANK ENCLOSURE (WITH ONE TANK)
4-DETECTION LINE (LINEAR HEAT)
5-SUPPLY #1
6-SUPPLY #2
7-ADJUSTING GAIN VALVE (+/-ARROW SIZE)

ITEM # B2 — FLOOR VIEW

ITEM # B2 — ELEVATION VIEW

ITEM # B2 — ELEVATION VIEW

ANSUL MICROSWITCH DETAIL

TOWER TO CONTROL EQUIPMENT (COAST TIME BREAKER EQUIP. SHUNT TRIP)

VOLTAGE FREE NO CONTACTS FOR INTERCONNECTION TO THE BUILDING ALARM SYSTEM

VOLTAGE FREE NO CONTACTS FOR INTERCONNECTION TO THE COOKING EQUIP. SHUNT TRIP

VOLTAGE FREE EXTRA CONTACTS

UPPER SWITCH
LOWER SWITCH
RED - COMMON
BLACK - NORMALLY OPEN
BROWN - NORMALLY CLOSED

WHEN MECHANICAL ACTION SWITCHES ARE ACTUATED BY FUSIBLE LINK OR CABLE PULLEY SYSTEM, THE CABLE MUST BE INSTALLED WITH A MINIMUM OF 1/4" TENSION AND SUFFICIENT SLACK TO ALLOW FOR EXPANSION.

FIELD WIRING BY ELECTRICAL CONTRACTOR

GENERAL SPECIFICATIONS

1. HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96, IMC SECTION 507 AND UL 710 STANDARD.
2. HOOD IS NSF AND ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL #10123456789 001.
3. ALL INSTALLATION WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
4. THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96, MECHANICAL OR SMOKE AND GREASE DUCTS AND APPLICABLE BUILDING CODES.
5. ALL EXHAUST DUCTWORK AND TRANSITIONS SHALL BE FURNISHED BY THE HVAC CONTRACTOR.
6. CLEARANCE FROM HOOD AND DUCTS TO COMBUSTIBLE MATERIAL SHALL BE PER APPLICABLE BUILDING CODES.
7. FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND TESTED TO ENSURE THAT THE EXHAUST AND SUPPLY REQUIREMENTS FOR THE HOOD ARE MET.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1. PROVIDE DRAWINGS TO APPROPRIATE TRADES REFERENCING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.
2. DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM FOR DRAWING.
3. FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.
4. THE A.S.C.I.MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FAILU RE TO DO SO MAY BE THE RESPONSIBILITY OF THE A.S.C.I.
5. IF HALTON MODEL EVL MACHINERY STYLE HOODS ARE PROVIDED, THE A.S.C. IS RESPONSIBLE FOR THE INSTALLATION OF THE CAPTURE JET FAN.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1. PROVIDE AND CONNECT ALL REQUIRED VOLTAGES, CONNECTIONS, WIRING, CONDUIT, ETC., PER NEC AND ALL APPLICABLE LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

FLUORESCENT LIGHT FIXTURE 48 WATT MAX BULB - 37 AMP EA.

RECESSED INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB - 1.25 AMP EA.

GLOBE INCANDESCENT LIGHT FIXTURE 150 WATT MAX BULB - 83 AMP EA.

HID, LIGHT FIXTURES - 10 AMP EA.

LED LIGHT FIXTURES - 30 AMP EA.

CAPTURE JET FAN - 70 AMP EA.

ALL HOOD CIRCUITS ARE NOT TO EXCEED 16 AMP.

"LIGHT BULBS, IF REQUIRED, ARE TO BE PROVIDED BY OTHERS"

CEILING HEIGHT NOTE

IF HALTON COMPANY IS TO PROVIDE CEILING CLOSURE PANELS, THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F. : **10' - 0"**

CEILING CLOSURE PANELS

CAPTURE JET CLEARANCE DETAIL

Capture Jet Air Duct Clearance

Transfer duct may be reduced in size at point where capture jet supply duct is connected but capture jet duct shall be at least 50% of the cross sectional area of the transfer duct. Reduction in duct size shall be made at the point where the capture jet supply duct is connected to the transfer duct.

Typical Wiring of Capture-Jet Fan WHALTON SUPPLIED SWITCH PANEL

BY WHALTON — BY ELECTRICIAN

EXHAUST VOLUME DAMPER
MODEL: ABD (Automatic Balancing Damper)

No.	Y (mm)	Y (inches)	W (mm)	W (inches)	Lm (mm)	Lm (inches)	Weight (kg)	Weight (lbs)	Cat. No.
1	127	5"	127	5"	0.25 KLSR	10	5	11	5
2	203	8"	203	8"	0.25 KLSR	10	8	18	8
3	254	10"	254	10"	0.25 KLSR	10	10	22	10
4	305	12"	305	12"	0.25 KLSR	10	12	26	12
5	356	14"	356	14"	0.25 KLSR	10	14	31	14
6	406	16"	406	16"	0.25 KLSR	10	16	35	16

ACTUATOR MOUNTING

GENERAL NOTES

PROVIDED BY HALTON:
- DAMPER WITH ACTUATOR PRE-WIRED, ALARM CONNECTION, CLOSE WHEN POWER IS INTERRUPTED
- ACTUATOR WITH BUILT-IN TERMINALS FOR FIELD WIRING
- ACTUATOR WITH BUILT-IN HOUSING TO PROTECT CONNECTIONS AND WIRING
- CONNECTION OF DAMPER ACTUATOR TO ALARM SYSTEM

HANGER BRACKET LAYOUT

HOOD WT. < 90PL
HOOD WT. > 90PL

STRUCTURAL SUPPORT BY OTHERS
LOCATE SUSPENSION RODS AT HOOD CORNERS AND MIDPOINTS OF LONG SIDES
WELDING CONNECTION BY OTHERS
DRAW NUT AS FOLLOWED

KSA GREASE EXTRACTOR

KSA REMOVAL TOOL

PERFORMANCE CRITERIA

OTHER MANUFACTURERS WISHING TO OFFER AN ALTERNATE TO THE SPECIFIED MANUFACTURER MUST SUBMIT A WRITTEN GUARANTEE OF PERFORMANCE, ENSURING THE SPECIFYING ENGINEER AND OWNER THAT THE ALTERNATE PROVIDES AT LEAST THE SPECIFIED CFM AND PRESSURE DROP, APPLICATION CONSULTANT AT LEAST TEN WORKING DAYS PRIOR TO THE BID DATE. THE SUBMITTAL MUST INCLUDE ALL PERFORMANCE AND CONSTRUCTION REQUIREMENTS AND BE ACCOMPANIED BY CERTIFIED TEST REPORTS FROM AN INDEPENDENT TEST AGENCY.

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MAKE-UP AIR WILL BE CALCULATED SO THAT THE SAME AMOUNT OF AIR WILL BE TAKEN FROM THE ZONE AS IS REQUIRED AT THE SPECIFIED SYSTEM. AN ADDITIONAL 1000 CUBICS WILL BE PLACED ON THE EXTERIOR/ATTIC SYSTEM.

REV. NO.	DESCRIPTION	DATE	BY
1	ADDED CEILING AND DIMENSIONS	06/30/25	AC

MAIL APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW

HALTON CO. (USA)
HEADQUARTERS
101 INDUSTRIAL DRIVE
MEBANE, NC 27302
1-919-563-5911

HALTON CO. (CANADA)
7555 MAIN ST. E.
MILTON, ONTARIO, L9T 2Y8
1-905-564-5151

HEBERT - www.hebert.com

ROCKLAND BOCES
KITCHEN 3
65 PARROT RD.
WEST NYACK, NY 10994
CONSULTANT: ELITE STUDIO E

DRAWN BY: AC
CHECKED BY: MT
DATE: 07.11.24
SCALE: NOT TO SCALE

Halton

DRAWING TITLE: HOOD DETAILS

DRAWING NO.: U24-536-3.0

REV. NO.: 1 SHEET NO.: 4 of 8

ARCHITECT

ksqdesign

KSQ Architects PC dba KSQ Design
215 W 40th St - 15th flr
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Owner

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22 Mulberry Street, Suite 2A
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Structural Engineer

GACE CONSULTING ENGINEERS
148 Madison Avenue, Fourth Floor
New York, NY 10016
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www.structuralengineerwebsite.com

Food Service Consultant:

ELITE | STUDIO E
1865 New Hwy #1
Farmingdale, NY, 11735
631-420-9400 office
www.elitestudioe.com

Construction Manager:

ARRIS CONTRACTING COMPANY, Inc.
189 Smith Street
Poughkeepsie, NY 12601
845-473-3600 office
www.arriscontracting.com

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)

SHEET NUMBER:

FS-703

BID SET

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HOOD INFORMATION TABLE

HOOD NUMBER	HOOD MODEL	EXHAUST AIR FLOW REQUIREMENTS: EXHAUST CFM	TOTAL HOOD STATIC PRESSURE	T.A.B. PORT STATIC PRESSURE	EXHAUST COLLAR: QTY.	LENGTH	WIDTH	GREASE EXTRACTOR: QTY.	SIZE: L	SIZE: H	TYPE	HOOD CONSTRUCTION	HOOD WEIGHT (LBS)
C02-1	KVE	1883	0.35"	0.23"	1	13"	12"	1	20"	13"	KSA	ALL 18 GA. 304 S.S.	840
C02-2	KVE	1438	0.25"	0.14"	1	13"	10"	1	20"	13"	KSA	ALL 18 GA. 304 S.S.	840
								1	13"	13"			

TOTAL EXH. CFM = 3321

MAU AIR GUIDELINES
- VELOCITY MEASURED AT THE LOWER FRONT LIP OF THE HOOD SHALL NOT EXCEED 75 FPM.
- TEMPERATURE DIFFERENTIAL BETWEEN MAU SUPPLY AIR AND ROOM AIR SHALL NOT EXCEED 10 DEGREES F. DO NOT INSTALL DIFFUSERS WITHIN 48" OF THE HOOD SHALL, NOT EXCEED 10 FPM VELOCITY.
- LOCATION HALTON KCDs MAY BE PLACED 24" [610 MM] AWAY FROM ALL OPEN SIDES OF HOODS.

ANSUL R-102 SYSTEM
REMOTE MOUNTED
(1) REGULATED RELEASE (WITH ONE TIMER)
(1) SINGLE TANK EVOLUTION (WITH ONE TIMER)

DETECTION LINE
SUPPLY #1
SUPPLY #2

3 SINGLE, R-102 FIRE SYSTEM
2 TWO TANK SYSTEM (2 SHOWN)
4 TYPE K (1.0 MM) FUSIBLE LINK DETECTORS
4 (1.2 LBS) WET CHEMICAL AGENT CARTRIDGES

ANSUL MICROSWITCH DETAIL

Typical Wiring of Capture-Jet Fan
WIHALTON SUPPLIED SWITCH PANEL

EXHAUST VOLUME DAMPER
MODEL: ABD (Automatic Balancing Damper)

HANGER BRACKET LAYOUT

KSA GREASE EXTRACTOR

KSA REMOVAL TOOL

PERFORMANCE CRITERIA

KITCHEN 3

GENERAL SPECIFICATIONS

1. HOOD CONSTRUCTION AND DESIGN MEETS NFPA 96, MC SECTION 507 AND UL 710 STANDARD.
2. HOOD IS NSF 4/ETL LISTED UNDER THE FOLLOWING FILE NUMBER: ETL-WH10122899-001
3. ALL INSTALLATION WORK IS TO BE PERFORMED BY QUALIFIED PERSONNEL IN ACCORDANCE WITH STATE AND LOCAL BUILDING REGULATIONS AND CODES.
4. THE INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA 96, GENERAL DUTY CLAUSE AND OSHA/ LADBS UNIFORM MECHANICAL CODE/NEC EQUIPMENT.
5. ALL EXHAUST ELECTRICAL AND TRANSITIONS SHALL BE INSTALLED BY THE FINAL CONTRACTOR.
6. CLEARANCE FROM HOOD AND DUCT TO COMBUSTIBLE MATERIAL SHALL BE PER MANUFACTURER'S INSTRUCTIONS.
7. FOR PROPER OPERATION OF THE HOOD SYSTEM, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HAVE THE HOOD BALANCED AND THE MAKE-UP AIR SYSTEM ADJUSTED TO MEET AND SUPPLY REQUIREMENTS OF THE HOOD AND AHU.

INSTALLATION REQUIREMENTS

KITCHEN EQUIPMENT CONTRACTOR'S REQUIREMENTS

1. PROVIDE DRAWINGS TO APPROPRIATE TRADES INDICATING UTILITY SERVICE AND COORDINATE FINAL CONNECTION.
2. DELIVER, ASSEMBLE AND INSTALL HALTON SYSTEM PER DRAWING.
3. FURNISH WIRING AND PLUMBING DIAGRAMS TO END USER.
4. THE K.C.B.O.M.I. MUST INFORM HALTON OF ANY CHANGES IN EQUIPMENT OR BUILDING STRUCTURE. FAILS TO DO SO MAY RESULT IN THE RESPONSIBILITY OF THE K.C.
5. IF HALTON REMOVAL EXHAUST VOLUME DAMPERS ARE SPECIFIED, IT IS THE RESPONSIBILITY OF THE FINAL INSTALLATION CONTRACTOR TO MAKE ARRANGEMENTS WITH OTHER TRADES FOR THEIR INSTALLATION.
6. IF HALTON PROVIDED EXHAUST VOLUME DAMPERS ARE PROVIDED, THEY WILL BE SHIPPED PRIOR TO THE INSTALLATION OF THE CAPTURE JET FAN.

ELECTRICAL CONTRACTOR'S REQUIREMENTS

1. PROVIDE AND CONNECT ALL REQUIRED UTILITIES, CONNECTORS, WIRING, CONDUIT, ETC., PER NEC (NFPA 70) AND ALL LOCAL CODES.

ELECTRICAL EQUIPMENT REQUIREMENTS

ALL LIGHTING SHALL BE INSTALLED AS PER NFPA 96 SECT. 8.1.1 AND 8.1.2

RECESSED INCANDESCENT LIGHT FIXTURE AS SHOWN ON PLAN	
SLOAD INCANDESCENT LIGHT FIXTURE AS SHOWN ON PLAN	60 WATTS EA.
VOL LIGHT FIXTURES - 12 AMP EA.	
LED LIGHT FIXTURES - 30 AMP EA.	
CAPTURE JET Fans - 72 AMP EA.	

ALL HOOD CIRCUITS ARE NOT TO EXCEED 15 AMP

CEILING HEIGHT NOTE

IT IS ULTIMATELY THE CUSTOMER'S RESPONSIBILITY TO ENSURE THE EXACT DIMENSION OF THE FINISHED CEILING HEIGHT MUST BE PROVIDED PRIOR TO RELEASE.

FINISHED CEILING HEIGHT A.F.F. : **10' - 0"**

CEILING CLOSURE PANELS

CAPTURE JET CLEARANCE DETAIL

NOTES:

ALL WIRING AND CABLING TO BE PROVIDED BY ELECTRICAL CONTRACTOR UNLESS STATED OTHERWISE.

ALL FAN MOTORS MUST BE COMPATIBLE WITH VARIABLE FREQUENCY DRIVES (VFD). ALL MOTORS MUST BE CONNECTED TO THREE PHASE POWER. ELECTRONICALLY COMMUTATED MOTORS (ECM) MUST BE CONNECTED TO THREE PHASE POWER & TO BE USED 1ph POWER SUPPLY TO THE ECM IS BY OTHERS)

ALL VARIABLE FREQUENCY DRIVES (VFD) MUST BE INSTALLED WITHIN 10ft OF THE EXHAUST FAN.

NOTES:

ALL FIELD WIRING AND CONNECTION POINTS ARE SUBJECT TO CHANGE DUE TO ELECTRICAL COMPONENT SELECTION. FINAL WIRING BY HALTON WILL NOT BE LIABLE FOR ANY CHANGE ORDERS BASED ON WIRING DIAGRAMS THAT WERE RELEASED PRIOR TO PRODUCTION. WHEN RELEASED AN UPDATED SET OF ELECTRICAL DIAGRAM(S) WILL BE ISSUED.

COMMUNICATION WIRING NOTE:

MAXIMUM LENGTH OF CABLES BETWEEN ANY THREE CONTROLLERS (CONTROL PANELS, HOODS, ETC.) IS 4000 FEET (1200 M). THIS LENGTH ALLOWS CONTINUOUS COMMUNICATION THROUGH A FAILED CONTROLLER. IF OPERATOR CABLE LENGTH EXCEEDS 4000 FEET (1200 M), A SECOND SET OF ETHERNET BOUNTER MUST BE SPECIFIED AND USED.

CONNECTIVITY NOTES:

IF COMMUNICATION WITH BUILDING MANAGEMENT SYSTEM (BMS) IS VIA BACNET, THE COMMUNICATION PROTOCOL DEFAULT IS BACNET IP.

(FIG 1-1)

ELECTRICAL & DATA CABLE CONNECTION SCHEDULE

CONNECTION #	CONNECTION DESCRIPTION	FROM	TO
E14-M	CAT6 CABLE - PROVIDED BY OTHERS	HOOD #102-1	HOOD #C02-1
E13-M	120V, 15AMP - CONTROL PANEL POWER - 3 WIRES	BUILDING SOURCE	TOUCH SCREEN
E2-M	CAT6 CABLE - NETWORK CABLE	TOUCH SCREEN	HOOD #C02-1
E3-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 2 WIRES	BUILDING SOURCE	HOOD #C02-1
E4-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #C02-1	HOOD #C02-2
E5-M	FIRE MODE SIGNAL - TO FIRE SUPPRESSION PANEL - 2 WIRES	HOOD #C02-1	FIRE SYSTEM
E6-M	0-10V & START/STOP MUA SIGNAL TO BMS - 4 WIRES	HOOD #C02-1	BMS
E7-M	3 WIRE STP CABLE - PLENUM RATED FTE - TO ST VFD	HOOD #C02-1	VFD
E8-M	CAT6 CABLE - TO SPACE TEMPERATURE SENSOR	HOOD #B3-1	TEMP SENSOR
E9-M	HIGH VOLTAGE WIRING FROM BUILDING SOURCE TO VFD	BUILDING SOURCE	VFD
E10-M	HIGH VOLTAGE WIRING FROM VFD TO FAN MOTOR	VFD	EF MOTOR
E11-M	CAT6 CABLE - NETWORK CABLE	HOOD #B3-1	HOOD #B3-2
E12-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #B3-1
E13-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #B3-1	HOOD #B3-2
E14-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #B3-2	HOOD #B3-3
E15-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #B3-2
E16-M	CAT6 CABLE - NETWORK CABLE	HOOD #B3-2	HOOD #B3-3
E17-M	CAT6 CABLE - NETWORK CABLE	HOOD #B3-1	HOOD #C1-7
E18-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #B3-3
E19-M	CAT6 CABLE - NETWORK CABLE	HOOD #B3-2	HOOD #B4-1
E20-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #B3-2	HOOD #B3-3
E21-M	120V, 15AMP - M.A.R.V.E.L. CONTROLLER POWER - 3 WIRES	BUILDING SOURCE	HOOD #B4-1
E22-M	CAT 6 - HOOD TO HOOD CONNECTION FOR SENSORS	HOOD #B4-1	HOOD #B4-2
E23-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #C02-1
E24-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #C02-1	HOOD #C02-2
E25-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #B2-1
E26-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #B2-1	HOOD #B2-2
E27-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #B3-1
E28-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #B3-1	HOOD #B3-2
E29-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #B4-1
E30-H	FIELD CONNECTION FOR HOOD LIGHTS	HOOD #B4-1	HOOD #B4-2
E31-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #B10
E32-H	120V, 15 AMP, - HOOD LIGHT POWER - 3 WIRES	BUILDING SOURCE	HOOD #C1-7
E33-M	CAT6 CABLE - FOR BMS(BACNET)	HOOD #B4-1	BMS

M.A.R.V.E.L. SCOPE OF WORK

RESPONSIBILITY TO BE SELECTED BY GENERAL CONTRACTOR

DEFINITIONS FOR REFERENCE:

M.A.R.V.E.L. SYSTEM = 1 EXHAUST FAN SERVING 1 KITCHEN HOOD

M.A.R.V.E.L. II SYSTEM = 1 EXHAUST FAN SERVING MULTIPLE KITCHEN HOODS

VFD = VARIABLE FREQUENCY DRIVES

CONNECTION LOCATION WILL VARY PER SYSTEM, REFER TO HALTON SUBMITTAL DRAWINGS FOR EXACT LOCATIONS

1. APPLICABLE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE M.A.R.V.E.L. CONTROL PANEL. LOCATION TO BE DETERMINED BY THE ENGINEER OF RECORD OR AS PER THE KITCHEN HOOD SHOP DRAWING. (M.A.R.V.E.L. I HOOD CONTROLLER OR M.A.R.V.E.L. II SYSTEM)
2. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 110V (15AMP) DEDICATED CIRCUIT AT M.A.R.V.E.L. CONTROL PANEL
3. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL RJ45 CATE CABLE CONNECTION FROM M.A.R.V.E.L. CONTROL PANEL TO EACH HOOD (UP TO 4 HOODS) (UP TO 4 HOODS ASSOCIATED WITH M.A.R.V.E.L. II SYSTEM)
4. APPLICABLE CONTRACTOR TO INSTALL SPACE TEMP SENSOR (SUPPLIED BY HALTON) IN THE DINING SPACE WHICH IS ASSOCIATED WITH THE KITCHEN HOOD EXHAUST SYSTEM
5. APPLICABLE CONTRACTOR SHALL SUPPLY AND RUN CAT6 CABLE CONNECTION FOR SPACE TEMP SENSOR TO M.A.R.V.E.L. CONTROL PANEL (M.A.R.V.E.L. I SYSTEM) OR VFD (M.A.R.V.E.L. II SYSTEM)
6. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 2 WIRE (20-12C SHIELDED) FROM M.A.R.V.E.L. CONTROL PANEL TO VFD (M.A.R.V.E.L. II SYSTEM ONLY)
7. APPLICABLE CONTRACTOR TO SUPPLY AND RUN PLAN CAT6 CABLE CONNECTION FROM M.A.R.V.E.L. CONTROL PANEL TO VFD (M.A.R.V.E.L. II SYSTEM ONLY)
8. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 4 WIRE MUA SIGNAL CABLE FROM M.A.R.V.E.L. CONTROL PANEL TO MUA CONTROLLER (M.A.R.V.E.L. I) OR FROM KITCHEN HOOD (M.A.R.V.E.L. II) TO BMS OR MUA CONTROLLER
9. APPLICABLE CONTRACTOR TO SUPPLY AND RACK 7 WIRE STP SHIELDED RATED CABLE (6 WIRE STP CABLE IF VFD IS PROVIDED WITH INTEGRATED DISCONNECT) FROM VFD TO EACH HOOD EXHAUST FROM KITCHEN HOOD (M.A.R.V.E.L. II) TO EXHAUST FAN (M.A.R.V.E.L. I) OR FROM KITCHEN HOOD (M.A.R.V.E.L. I) TO BMS OR MUA CONTROLLER
10. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 120V POWER FROM CONTROL PANEL TO VFD FOR FLEXIBLE CONNECTION.
11. APPLICABLE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE EXHAUST FAN MOTOR AND ALL ASSOCIATED WIRING. OR WIRING VENTED SMOKE PROOF EXHAUST FANS.
12. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL THREE PHASE POWER FROM BUILDING SOURCE TO EXHAUST FAN MOTOR (VFD). APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL THREE PHASE OR SINGLE PHASE POWER FROM VFD TO EXHAUST FAN MOTOR (IF VFD IS NOT INTEGRATED). REFER TO HALTON SUBMITTAL
13. APPLICABLE CONTRACTOR SHALL INSTALL UNIVERSAL GREASE CUP, IF PROVIDED, IN MAIN EXHAUST TRUNK, AND WIRE THE SENSOR BACK TO THE HOOD CONTROLLER.
14. APPLICABLE CONTRACTOR TO SUPPLY AND INSTALL 110V (15AMP) DEDICATED CIRCUIT AT EACH KITCHEN HOOD. (IF APPLICABLE FOR 2 SECOND 110V DEDICATED CIRCUIT IS REQUIRED)
15. INSTALLING CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND LABOR FOR A COMPLETE AND OPERATIONAL SYSTEM.
16. HALTON REPRESENTATIVE TO PERFORM FINAL SYSTEM COMMISSIONING ONCE ALL RESPONSIBILITIES ARE COMPLETED ABOVE.

SPACE TEMPERATURE SENSOR

CAT6 COMMUNICATION CABLE TO MARV.E.L. CONTROL PANEL BY ELECTRICAL CONTRACTOR

ROOM THERMOSTAT (BY OTHERS)

SPACE T-STAT (BY HALTON) (5 ID/TH/O 3/TR/40 BFD)

48" SAT A.F.F. RECOMMENDED

TEMPERATURE SENSOR TO BE MOUNTED AWAY FROM HEATING SOURCES OF HEAT - USUALLY IN CLOSE PROXIMITY TO THE ROOM THERMOSTAT. SENSOR TO BE MOUNTED 48" SAT A.F.F. AND AT LEAST 10' FROM BY-NO CLOSER THAN 10' (3 FROM THE EXHAUST HOOD OR ANY OTHER UNHOODED APPLIANCES.

M.A.R.V.E.L. SYSTEM

M.A.R.V.E.L. EQUIPMENT CONNECTED LOADS

M.A.R.V.E.L. CONTROL PANEL = 10 AMPS EA.

M.A.R.V.E.L. PLC-IT EACH HOOD SECTION = AMPS EA. (MAXIMUM 3 M.A.R.V.E.L. HOOD PLCS PER 15A CIRCUIT)

ALL CIRCUITS ARE NOT TO EXCEED 15 AMP

NOTES:

FIELD WIRING (BY E.C.) - 120V - 12AWG MIN. 16AWG MAX.

FIELD WIRING (BY E.C.) - 24V - 22AWG MIN. 16AWG MAX.

FIELD WIRING (BY E.C.) = 24V - CAT6

M.A.R.V.E.L. Basic 2 Sequence of Operation

M.A.R.V.E.L. Basic 2 Standard Sequence

Hood is at rest down
- Lights off
- Damp at some rate

Hood is at Full Speed
Fire system response
Standard override feature
- All adjustable

FAN CONFIGURATION DATA FOR M.A.R.V.E.L.

VARIABLE FREQUENCY DRIVE (VFD)

- VFD PHYSICAL DIMENSIONS TO BE DETERMINED BY ELECTRICAL CONTRACTOR AND TES FOR
- VFD TO BE MOUNTED IN DESIGNATED LOCATION.
- VFD TO BE MOUNTED IN VERTICAL ORIENTATION.
- INSTALL SUPPLIED CONDUITS FOR INCOMING & OUTGOING WIRING PER EACH VFD.
- VFD TO BE SUPPLIED WITH 3 PHASE VAC/3PH, THEY ARE TO BE THEY ALLOW & WIRED BY APPLICABLE TRADE.
- VFD GROUNDED.
- VFD CABINETS ARE NOT SUPPLIED BY HALTON.
- IF VFD CABINET ARE NOT SUPPLIED BY HALTON, ENSURE THAT CABINET IS PROPERLY VENTILATED.

M.A.R.V.E.L. CONTROL PANEL

LOCAL CODE AND AHJ'S RECOMMENDED MOUNTING POSITIONS/LOCATIONS MUST ALSO BE TAKEN INTO CONSIDERATION BY THE INSTALLING CONTRACTOR.

ATTENTION: MOUNT PANEL IN THE BEST POSITION FOR FUTURE CELLULAR CONNECTION.

Halton MARVEL TOUCH SCREEN

NOTE:

Above information must be considered in full prior to project being released for production. It more than four screws in our MUA units not being used, please provide the steps as well.

NOTE:

12" CLEARANCE REQUIRED FOR CELLULAR MODEM

NOTE:

12" CLEARANCE REQUIRED FOR CELLULAR MODEM

SHOW NOTE: CAN CELLULAR ANTENA/SIGNAL

OVERRIDE IN HMI

HALTON CO. (USA)
101 MERCHANDISE AVENUE
SOUTHHAVEN, MS 38671
(662) 393-3000
WEBSITE: www.halton.com

MAU APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW

REV'S	REVISIONS DESCRIPTION	DATE	BY
	NO CHANGE		

PROJECT: ROCKLAND BOCES KITCHEN 3
LOCATION:
DRAWN BY: JC
CHECKED BY:
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E

DRAWING TITLE: HOOD DETAILS

DRAWING No. U24-536-3.0

REV. NO. 1 | SHEET NO. 5 of 8

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- MAKE AND RELEASE
- RELEASE FOR CONSTRUCTION
- AS-BUILT DRAWING

APPROVED BY:

DATE:

KITCHEN 3

HOOD INFORMATION TABLE

GENERAL SPECIFICATIONS

INSTALLATION REQUIREMENTS

ELECTRICAL EQUIPMENT REQUIREMENTS

CEILING HEIGHT NOTE

HOOD DETAILS

DRAWING No. U24-536-3.0

REV. NO. 1 | SHEET NO. 6 of 8

KITCHEN 3

ELECTRICAL & DATA CABLE CONNECTION SCHEDULE

M.A.R.V.E.L. SCOPE OF WORK

NOTES:

NOTES:

NOTES:

COMMUNICATION WIRING NOTE:

CONNECTIVITY NOTES:

(FIG 1-1)

M.A.R.V.E.L. SYSTEM

M.A.R.V.E.L. EQUIPMENT CONNECTED LOADS

SPACE TEMPERATURE SENSOR

M.A.R.V.E.L. Basic 2 Sequence of Operation

FAN CONFIGURATION DATA FOR M.A.R.V.E.L.

VARIABLE FREQUENCY DRIVE (VFD)

M.A.R.V.E.L. CONTROL PANEL

Halton MARVEL TOUCH SCREEN

HALTON CO. (USA)
101 MERCHANDISE AVENUE
SOUTHHAVEN, MS 38671
(662) 393-3000
WEBSITE: www.halton.com

MAU APPROVED DRAWINGS TO APPROPRIATE FACTORY BELOW

NO CHANGE

PROJECT: ROCKLAND BOCES KITCHEN 3
LOCATION:
DRAWN BY: JC
CHECKED BY:
SCALE: NOT TO SCALE
CONSULTANT: ELITE STUDIO E

DRAWING TITLE: HOOD DETAILS

DRAWING No. U24-536-3.0

REV. NO. 1 | SHEET NO. 7 of 8

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
FOODSERVICE EXHAUST HOOD DETAIL DRAWINGS (HALTON)

SHEET NUMBER:
FS-704

BID SET

DRAWN BY: Author
Checked by: Checker
Autodesk Docs://1004 - Rockland BOCES W. Nyack NY - v2020 1504_Rockland BOCES NY FS.rvt

6/12/2025 11:50:38 AM

PROJECT NUMBER: 2333403.01

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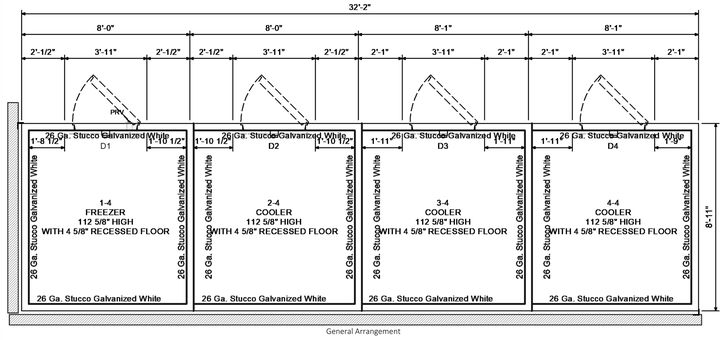


General Arrangement

-SPECIFICATION-

Box Height: Freezer 9'-4 5/8" (8'-8 5/8" Interior)
Cooler 9'-4 5/8" (8'-8 5/8" Interior)
Cooler 9'-4 5/8" (8'-8 5/8" Interior)
Cooler 9'-4 5/8" (8'-8 5/8" Interior)

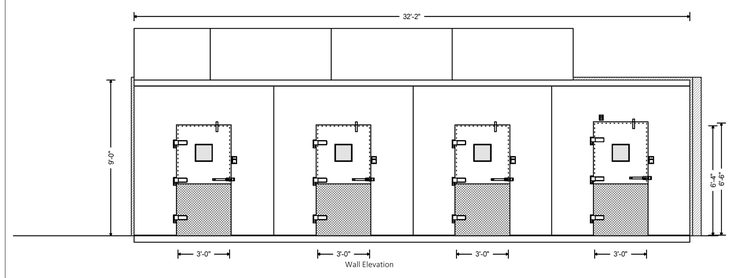
Insulation: 4" thick AK-XPS4 Extruded foam UL classified core flame spread 15, Smoke rating less than 165

Compartment 1 - Freezer

D1 - (1) Non-Standard 36" x 78" Left hinged flush door with brushed hardware. Interior finish: 26 Ga. Stucco Galvanized White, Exterior finish: 26 Ga. Stucco Embossed Acrylume.36" kickplates to interior and exterior of door. Energy saving temperature regulating thermostat heater wire and heated relief vent. Heavy duty deadbolt handle latch with 1/4 turn inside release. 75LC Modularm Multi-Monitor Controller with Temparature Probe and Door Open/Close Sensor for Coolers or Freezers Wired and Installed with MD-1 Motion sensor, IP-1 Panic button/light. 1807 11w, Vapor Proof, 120V. LED fixture. 82 Lumens /watt Angled face . Strip curtain. Requires 115vac. 2.2 amps.
With third hinge, curtain, 12 x 12 heated frame & glass viewing window

Refrigeration:

Quote No : 24-19478 Revision : 2	Project : Rockland BOCES - Item F16, F17, F18, & F19	Date : 12/09/2024
Customer : Elite Studio E (Strata)	Page 1 of 4	



Wall Elevation

-SPECIFICATION-Continued

Refrigeration Supplied By Others
Recommended minimum duty 6674 Btu/hr at 95°F ambient

Wall Panels
Interior Finish: 26 Ga. Stucco Galvanized White
Exterior Finish: 26 Ga. Stucco Embossed Acrylume

Ceiling Panels
Interior Finish: 26 Ga. Stucco Galvanized White
Exterior Finish: 26 Ga. Stucco Embossed Acrylume

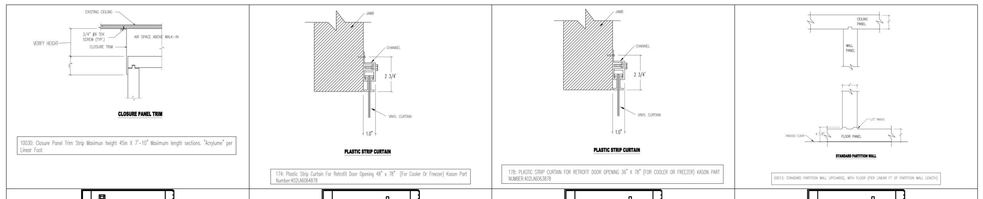
Floor Panels
NSF Floor panel rated for 700 LBS/ SQ. FT.
22 Ga. Stainless Steel Integral

Application: Foot Traffic - No Rolling Carts

Compartment 2 - Cooler

D2 - (1) Standard 36" x 76" Left hinged flush door with brushed hardware. Interior finish: 26 Ga. Stucco Galvanized White, Exterior finish: 26 Ga. Stucco Embossed Acrylume.36" kickplates to interior and exterior of door. Heavy duty deadbolt handle latch with 1/4 turn inside release. 75LC Modularm Multi-Monitor Controller with Temparature Probe and Door Open/Close Sensor for Coolers or Freezers Wired and Installed with MD-1 Motion sensor, IP-1 Panic button/light. 1807 11w, Vapor Proof, 120V. LED fixture. 82 Lumens /watt Angled face . Strip curtain. Requires 115vac. 1 amps.
With third hinge, curtain, 12 x 12 heated frame & glass viewing window

Quote No : 24-19478 Revision : 2	Project : Rockland BOCES - Item F16, F17, F18, & F19	Date : 12/09/2024
Customer : Elite Studio E (Strata)	Page 2 of 4	



Quote No : 24-19478 Revision : 2	Project : Rockland BOCES - Item F16, F17, F18, & F19	Date : 12/09/2024
Customer : Elite Studio E (Strata)	Page 3 of 4	

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
FOODSERVICE WALK-IN DETAIL DRAWINGS (AMERIKOOLER)

SHEET NUMBER:
FS-720

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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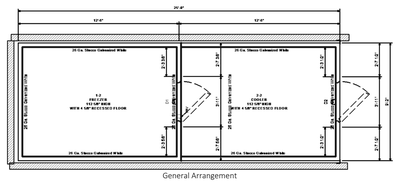
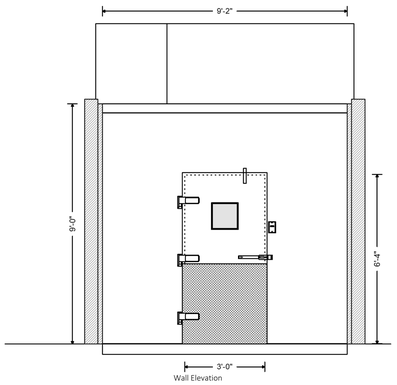


General Arrangement

-SPECIFICATION-
Box Height: Freezer 9'-4 5/8" (8'-8 5/8" Interior)
Cooler 9'-4 5/8" (8'-8 5/8" Interior)
Insulation: 4" thick AK-XPS4 Extruded foam UL classified core flame spread 15, Smoke rating less than 165
Compartment 1 - Freezer
D1 - (1) Non-Standard 36" x 78" Left hinged flush door with brushed hardware. Interior & Exterior finish: 26 Ga. Stucco Galvanized White. 36" kickplates to interior and exterior of door. Energy saving temperature regulating thermostat heater wire and heated relief vent. Heavy duty deadbolt handle latch with 1/4 turn inside release. 75LC Modularm Multi-Monitor Controller with Temparature Probe and Door Open/Close Sensor for Coolers or Freezers Wired and Installed with MD-1 Motion sensor, IP-1 Panic button/light. 1807 11w, Vapor Proof, 120V. LED fixture. 82 Lumens /watt Angled face . Requires 115vac. 2.2 amps.
With third hinge, 12 x 12 heated frame & glass viewing window

Customer Approval:

Quote No : 24-19486 Revision : 2	Project : Rockland BOCES - Item B11, B12	Date : 12/09/2024
Customer : Elite Studio E (Strata)	Page 1 of 4	

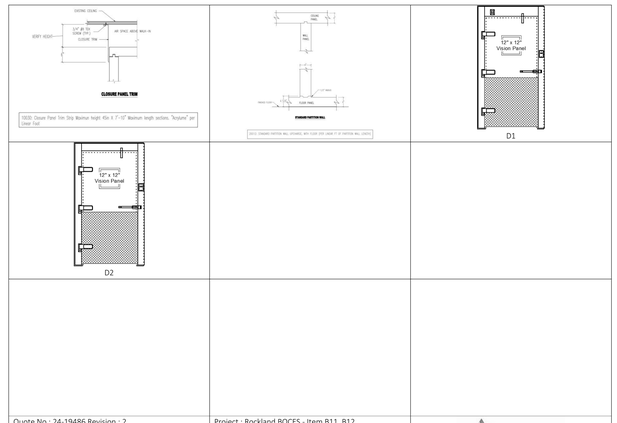


Wall Elevation

-SPECIFICATION-Continued
Refrigeration:
Refrigeration Supplied By Others
Recommended minimum duty 8845 Btu/hr at 95°F ambient
Wall Panels
Interior Finish: 26 Ga. Stucco Galvanized White
Exterior Finish: 26 Ga. Stucco Embossed Acrylume
Ceiling Panels
Interior Finish: 26 Ga. Stucco Galvanized White
Exterior Finish: 26 Ga. Stucco Embossed Acrylume
Floor Panels
NSF Floor panel rated for 700 LBS/ SQ. FT.
22 Ga. Stainless Steel Integral
Application: Foot Traffic - No Rolling Carts
Compartment 2 - Cooler
D2 - (1) Standard 36" x 76" Left hinged flush door with brushed hardware. Interior finish: 26 Ga. Stucco Galvanized White, Exterior finish: 26 Ga. Stucco Embossed Acrylume.36" kickplates to interior and exterior of door. Heavy duty deadbolt handle latch with 1/4 turn inside release. 75LC Modularm Multi-Monitor Controller with Temparature Probe and Door Open/Close Sensor for Coolers or Freezers Wired and Installed with MD-1 Motion sensor, IP-1 Panic button/light. 1807 11w, Vapor Proof, 120V. LED fixture. 82 Lumens /watt

Customer Approval:

Quote No : 24-19486 Revision : 2	Project : Rockland BOCES - Item B11, B12	Date : 12/09/2024
Customer : Elite Studio E (Strata)	Page 2 of 4	



Quote No : 24-19486 Revision : 2	Project : Rockland BOCES - Item B11, B12	
Customer : Elite Studio E (Strata)	Date : 12/09/2024 Page 3 of 4	

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME:
FOODSERVICE WALK-IN DETAIL DRAWINGS (AMERIKOOLER)
SHEET NUMBER:
FS-721

BID SET

DRAWN BY: Author
CHECKED BY: Checker
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - v2021.1504_Rockland BOCES NY FS.rvt
6/12/2025 11:50:42 AM

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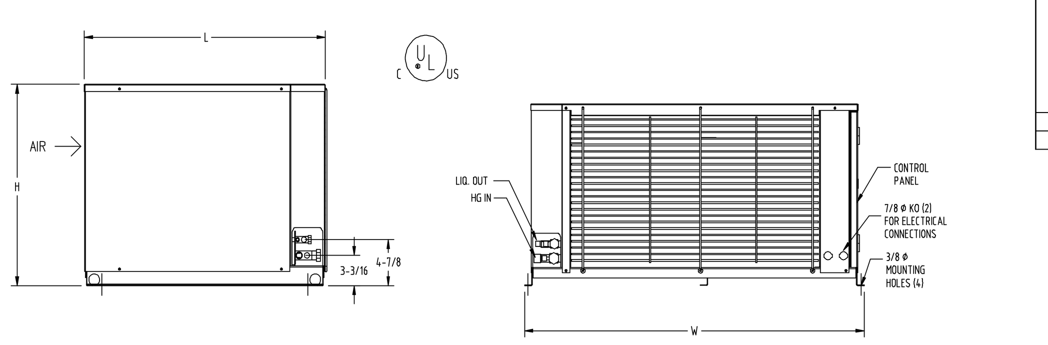
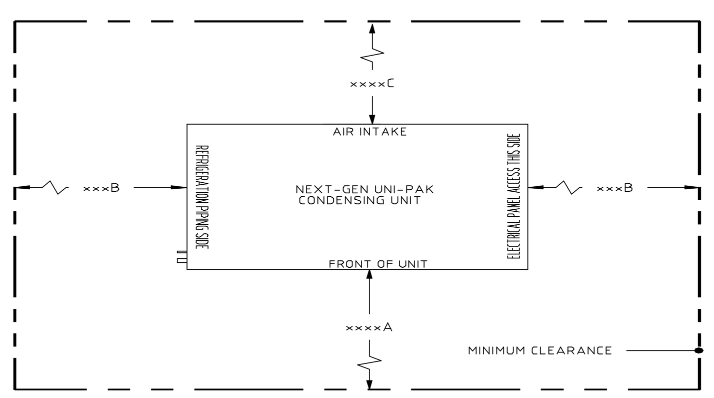
A CONDENSING UNIT OUTLINE DRAWING
R-1 AIR COOLED NEXT-GEN



FRAME SIZE	CONDENSER FAN MTR. QTY.	DIMENSIONS (INCHES) L	W	H
FM1	1	28-1/4	27-7/8	18-3/4
FM3	2	28-1/4	39-7/8	21-1/4

B MINIMUM CLEARANCE REQUIREMENTS
R-1 AIR-COOLED NEXT-GEN



CONDENSING UNIT DESCRIPTION	MINIMUM DIMENSION (INCHES) A	B	C
UNI-PAK 0 5 H P - 2 0 H P	60	24	36
UNI-PAK 3.0 H.P. - 6.0 H.P.	72	24	36

xxx48" MINIMUM CLEARANCE FOR CONDENSING UNITS POSITIONED SIDE BY SIDE.
xxxx120" MINIMUM CLEARANCE FOR CONDENSING UNITS POSITIONED IN FRONT OF ANOTHER.

COLDZONE ENGINEERING SUMMARY

SYSTEM	ITEM NUMBER	DESCRIPTION	FIXTURE LOAD	FIX T. (°F)	SUCT. (°F)	REFRIG. R-	COMPRESSOR MODEL NUMBER	C/U WEIGHT (LBS)	FRAME SIZE	H.P.	RECEIVER CAPACITY LBS. (@90%)	% OF LOAD CAPACITY	MCA	MOPD	POWER SUPPLY	COOLING CAPACITY (BTUH) AT 90 AMBIENT
A	B11.3	WALK-IN COOLER #B11	10010	35	25	448A	CFO130E4SEA	195	FM1	1	11.60	100%	15	15	208-230/3/60	10030
B	B12.2	WALK-IN FREEZER #B12	9663	-10	-18	448A	CFO300L4SEA	245	FM3	3	22.00	101%	15	20	208-230/3/60	9802
C	F16.3/5	WALK-IN FREEZER #F16	9725	-10	-18	448A	CFO300L4SEA	245	FM3	3	22.00	101%	15	20	208-230/3/60	9802
D	F17.2/3	WALK-IN COOLER #F17	7991	35	25	448A	CFO080M4SEA	195	FM1	3/4	11.59	104%	15	15	208-230/3/60	8330
E	F18.2/3	WALK-IN COOLER #F18	7991	35	25	448A	CFO080M4SEA	195	FM1	3/4	11.59	104%	15	15	208-230/3/60	8330
F	F19.2/3	WALK-IN COOLER #F19	7991	35	25	448A	CFO080M4SEA	195	FM1	3/4	11.59	104%	15	15	208-230/3/60	8330

EVAPORATOR COILS

SYSTEM	DEFROST *	QUANTITY	MODEL NO.	NOMINAL CAP. TOTAL	MFR. / REMARKS	FAN 1PH (PER EVAP) AMP	FAN V	HEATER (PER EVAP) AMP	HEATER V	HEATER PH	TOTAL SYSTEM AMPS (MCA)
A	A	1	CL6A094ADA	10900	COLDZONE	1.6	115/1				15
B	E	1	CL6E105DDA	9994	COLDZONE	1	208-230/1	9.8	208-230	1	15
C	E	1	CL6E105DDA	9994	COLDZONE	1	208-230/1	9.8	208-230	1	15
D	A	1	CL6A073ADA	8500	COLDZONE	1.6	115/1				15
E	A	1	CL6A073ADA	8500	COLDZONE	1.6	115/1				15
F	A	1	CL6A073ADA	8500	COLDZONE	1.6	115/1				15

CONNECTION SIZES ** / ACCESSORIES

SYSTEM	ROUTE	SUCTION	LIQUID	DRAIN FITTING NPT	DEFROST OPTION NO.	CIRCUIT WITH DEFROST TIME CLOCK	HEATED AND INSULATED RECEIVER	SUCTION ACCUMULATOR	SUCTION FILTER	OIL SEPARATOR	FURNISHED BY (SEE CODE) TSTAT	S'NOID	EXP VALVE	REMARKS
A		5/8	3/8	3/4-14	ECONET	NO	YES	NO	SEALED	NO	FI		FI	
B		7/8	3/8	3/4-14	ECONET	NO	YES	YES	SEALED	NO	FI		FI	
C		7/8	3/8	3/4-14	ECONET	NO	YES	YES	SEALED	NO	FI		FI	
D		5/8	3/8	3/4-14	ECONET	NO	YES	NO	SEALED	NO	FI		FI	
E		5/8	3/8	3/4-14	ECONET	NO	YES	NO	SEALED	NO	FI		FI	
F		5/8	3/8	3/4-14	ECONET	NO	YES	NO	SEALED	NO	FI		FI	

LEGEND
* A-AIR DEFROST
E- ELECTRIC DEFROST (DEMAND DEFROST ON ECONET OR KE2)
\+
** CONNECTION SIZES LISTED ABOVE ARE FOR REFERENCE AND DO NOT REPRESENT LINE SIZING. FIELD PIPING DESIGN PROVIDED BY OTHERS.
MFR- FURNISH WITH FIXTURE
FL- CZ TO FURNISH AND SHIP LOOSE
FI- CZ TO FURNISH AND INSTALL ON UNIT
Z* - MULTIPLE EVAPORATORS TIED TO ONE COMPRESSOR TO BE BONDED BY OTHERS
RC- FURNISH AND INSTALL BY REF. CONTRACTOR

NOTE:
EQUIPMENT SELECTED FOR 0 FEET ELEVATION AND 90°F AMBIENT TEMPERATURE
ALL CONDENSING UNITS WITH CRANKCASE HEATERS AND HEAD PRESSURE CONTROL VALVES
CONDENSING UNITS WITH ADJUSTABLE LOW PRESSURE SWITCHES
CONDENSING UNITS WITH POWDER COATED STEEL CABINET PANELS
CONDENSING UNITS WITH HEATED/INSULATED RECEIVERS FOR LOW AMBIENT OPERATION

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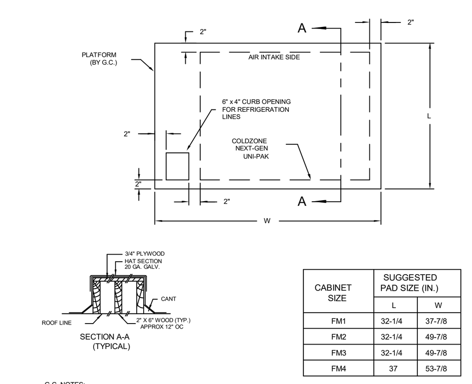
GENERAL NOTES

REFRIGERATION PIPE SIZES ARE BASED ON A MAXIMUM LINE RUN OF 75 EQUIVALENT FEET FOR LIQUID AND SUCTION LINES. THIS INCLUDES AN ALLOWANCE OF 30 EQUIVALENT FEET FOR VERTICAL RISERS. LINE RUNS LONGER THAN 75 EQUIVALENT FEET MAY VOID THE LINE SIZES INDICATED ON OUR SUBMITTAL DRAWING

IT IS THE INSTALLING CONTRACTORS RESPONSIBILITY TO FOLLOW ALL APPLICABLE CODES AND CURRENT REFRIGERATION INDUSTRY STANDARDS AND PRACTICES WHEN DETERMINING LINE SIZES, AND INSTALLING AND STARTING UP COLDZONE EQUIPMENT

EVAPORATOR AND PIPING SERVICE / ISOLATION VALVES ARE RECOMMENDED FOR PARALLEL AND MULTIPLEX SYSTEMS. THESE VALVES ARE TO BE SUPPLIED AND INSTALLED BY THE INSTALLING CONTRACTOR.

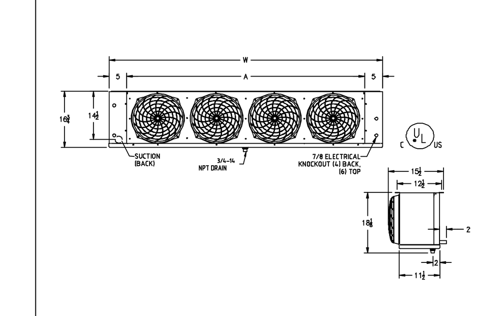
C SUGGESTED ROOF PAD DETAIL
R-1



CABINET SIZE	SUGGESTED PAD SIZE (IN.) L	W
FM1	32-1/4	37-7/8
FM2	32-1/4	49-7/8
FM3	32-1/4	49-7/8
FM4	37	53-7/8

G.C. NOTES:
1. PLATFORM TO BE INSTALLED LEVEL.
2. PLATFORM TO BE INSTALLED IN ACCORDANCE WITH LOCAL CODES.
3. REFER TO DETAIL "C" FOR MINIMUM CLEARANCE REQUIREMENTS

D COLDZONE EVAPORATOR COIL
R-1 LOW PROFILE



MODEL NUMBER	QTY	FIGURE	NO. OF FANS	EVAPORAOTR COIL(S) INCHES W	A	WEIGHT (LBS. EACH)
CL6A073ADA	3	1	2	43-5/8	43-5/8	52
CL6A094ADA	1	1	2	43-5/8	43-5/8	55
CL6E105DDA	2	1	2	43-5/8	43-5/8	62

EVAPORATOR ELECTRICAL SCHEDULE / POWER SUPPLIED BY ELECTRICAL CONTRACTOR (PER EACH)

ITEM NO.	QTY.	DESCRIPTION	VOLTAGE/PH		MCA	MOPD
ABC	1	CL6A094ADA	115/1		15	20
	1	CL6E105DDA	208-230/1		15	20
	1	CL6E105DDA	208-230/1		15	20
DEF	1	CL6A073ADA	115/1		15	20
	1	CL6A073ADA	115/1		15	20
	1	CL6A073ADA	115/1		15	20

ENGINEERING GUIDE SPECIFICATION
NEXT-GEN UNI-PAK AIR-COOLED CONDENSING UNIT

THE REFRIGERATION PACKAGE SHALL BE A PRE-ENGINEERED AND FACTORY ASSEMBLED UNIT TRADE NAME "NEXT-GEN UNI-PAK", AS MANUFACTURED BY COLDZONE, A DIVISION OF HEAT TRANSFER PRODUCTS GROUP, 1810 VINEYARD AVE. ONTARIO, CA 91761. PHONE: (800) 772-2653, FAX: (714) 529-8503

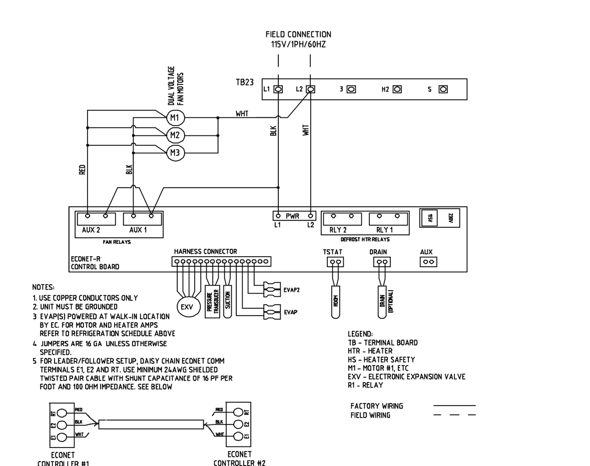
CONTRACTOR SHALL FURNISH AND INSTALL, WHERE SHOWN ON PLANSCOLDZONE U.L. APPROVED "NEXT-GEN UNI-PAK" AIR-COOLED CONDENSING UNIT WITH EVAPORATOR COIL. ALL UNIT SHALL BE ELECTRICALLY TESTED AND SHIPPED WITH A DRY NITROGEN HOLDING CHARGE AND READY FOR FIELD INSTALLATION.

1. UNI-PAK CONSTRUCTION
   A. ALL TUBING SHALL BE SECURELY SUPPORTED AND ANCHORED WITH CLAMPS.
   B THE PACKAGE SHALL BE MOUNTED ON A HEAVY DUTY GALVANIZED STEEL BASE
   C. AIR-COOLED CONDENSING UNIT SHALL HAVE AN APPROPRIATE STYLE COMPRESSOR WITH SUCTION ANDDISCHARGE SERVICE VALVES. COMPRESSOR MOTOR SHALL BE HIGH TORQUE, HERMETIC INDUCTION TYPE, 1750 RPM AND SHALL BE PROTECTED AGAINST OVERLOAD, SINGLE PHASING AND LOCKED MOTOR CONDITION. THE UNIT SHALL BE PROVIDED WITH AIR COOLED CONDENSER COIL WITH STAGGERED TUBE DESIGN FOR GREATER THERMAL EFFICIENCY. THE COIL SHALL BE TESTED TO 400 PSI AND SHALL BE SELF DRAINING TO ASSURE EFFICIENT OPERATION AND OIL RETURN. THE CONDENSER FAN MOTOR SHALL BE INHERENTLY PROTECTED AND HAVE LIFE LUBRICATED BALL BEARINGS. A FAN GUARD SHALL BE PROVIDED WITH EACH MOTOR. THE UNIT SHALL BE PROVIDED WITH A LIQUID RECEIVER RATED AT 90% OF ITS CAPACITY. IT SHALL BE SUPPLIED WITH A FUSIBLE PLUG AND SHALL CONFORM TO U.L. OR ASME CODES AND SHALL BEAR THE APPROPRIATE LABEL OR STAMP COMPRESSOR HIGH/LOW PRESSURE CONTROL SHALL BE INCLUDED WITH THE UNIT
   D. ALL INTERNAL PIPING SHALL BE PRE-PIPED TO OUTSIDE OF ENCLOSURE WITH DRIER, SIGHT GLASS AND VIBRATION ELIMINATORS FOR SUCTION LINES.
   E. ENDS OF LINES SHALL BE CAPPED AGAINST CONTAMINATION AFTER THE UNIT IS COMPLETED. THESE CAPPED ENDS ARE TO BE OPENED ONLY AT FINAL CONNECTION OF THE PACKAGE TO FIXTURES.
2. EVAPORATOR COILS
   A. EVAPORATOR COILS SHALL BE DIRECT EXPANSION TYPE FABRICATED OF COPPER TUBES WITH ALUMINUM FINS.
   B EVAPORATOR COILS SHALL BE PROVIDED WITH SOLENOID VALVE, THERMOSTATIC EXPANSION VALVE, AND THERMOSTAT PIPED AND WIRED TO THE JUNCTION BOX FOR POSITIVE PUMP DOWN OR IF SUPPLIED WITH ECONET THE CONTROL PACKAGE INCLUDES ELECTRONIC EXPANSION VALVE, SUCTION PRESSURE TRANDUCER, SUCTION, ENTERING AIR, COIL TEMP THERMISTORS AND LOCAL DISPLAY WITH PUSH BUTTON ADJUSTMENTS.

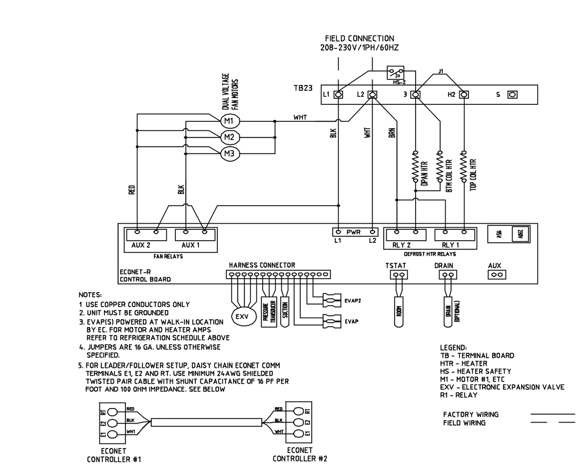
GENERAL NOTES

1 GENERAL CONTRACTOR
   A CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND COORDINATE WITH OTHER TRADES
   B. GENERAL CONTRACTOR SHALL PREPARE THE PLATFORM, CURBED OPENINGS AND WEATHERPROOFING THE SAME AFTER INSTALLATION.
2. REFRIGERATION CONTRACTOR
   A. THE COMPLETE SYSTEM SHALL BE EVACUATED WITH VACUUM PUMP.
   B. CHARGE, TEST AND ADJUST EACH UNIT TO ASSURE PROPER OPERATION.
   C ALL COPPER TUBING TO BE REFRIGERANT GRADE A C R OR TYPE "L"
   D SILVER SOLDER AND/OR SIL-FOS SHALL BE USED FOR ALL REFRIGERANT PIPING SOFT SOLDER IS NOT ACCEPTABLE
   E ALL PIPING TO BE PRESSURE TESTED WITH NITROGEN AT 300 PSI AFTER THE CONDENSING UNIT AND COIL HAVE BEEN CONNECTED, THE BALANCE OF THE SYSTEM SHALL BE LEAK TESTED WITH ALL VALVES OPEN.
   F. REFRIGERATION CONTRACTOR TO PROVIDE AND INSTALL DRAIN LINE HEATER IN FREEZER TO BE CONNECTED BY ELECTRICAL CONTRACTOR.
3. ELECTRICAL CONTRACTOR
   A. ELECTRICAL CONTRACTOR TO CONNECT DRAIN LINE HEATER IN FREEZER.
   B ELECTRICAL CONTRACTOR TO PROVIDE POWER FOR CONDENSING UNIT AND EVAPORATOR COIL AS CALLED FOR IN THE WIRING DIAGRAM
   C ALL ELECTRICAL WIRING AND INSTALLATION SHALL BE IN ACCORDANCE WITH THE WIRING DIAGRAM AND LOCAL CODES
4. PLUMBING CONTRACTOR
   A. PLUMBING CONTRACTOR TO PROVIDE A.C.R. OR TYPE "L" COPPER DRAIN LINES FOR WALK-IN REFRIGERATION AND FREEZER, PITCHED 1/4" PER FOOT OF RUN. IN FREEZER, UNHEATED DRAIN LINE MUST BE OUTSIDE OF INSULATION TO PREVENT FREEZING. TRAP DRAIN LINE OUTSIDE OF REFRIGERATED SPACE TO AVOID ENTRANCE OF WARM AND MOIST AIR.
   B. PLUMBING CONTRACTOR TO PROVIDE INDIVIDUAL DRAIN LINE FOR EACH EVAPORATOR UNLESS OTHERWISE CALLED FOR.
   C ALL PLUMBING INSTALLATION SHALL BE IN ACCORDANCE WITH LOCAL CODES

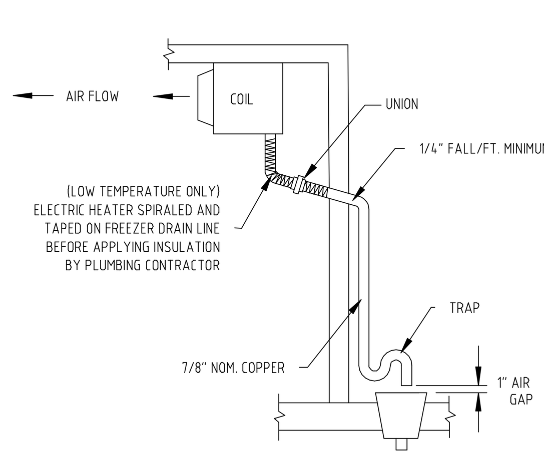
F WIRING DIAGRAM FOR
R-1 W/I COOLER EVAPORATOR COIL



G WIRING DIAGRAM FOR
R-1 W/I FREEZER EVAPORATOR COIL



H DRAIN LINE DETAIL
R-1



REV	Description	Date
0	Initial Release	12/12/2024

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(909) 786-3656
(714) 529-8503 FAX

Project Name and Address
ROCKLAND BOCES
65 Parrott Road
West Nyack, NY
NOT DRAWN TO SCALE

Drawing Number	Job Number
22636	23-0918R2
Date 12/12/2024	Sheet Number R-1
Drawn By MF	

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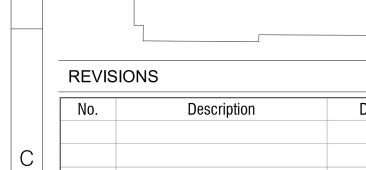
ROCKLAND BOCES ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME:
FOODSERVICE REFRIGERATION DETAIL DRAWINGS (COLDZONE)
SHEET NUMBER:
FS-730

BID SET

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DRAWN BY: Author
CHECKED BY: Checker
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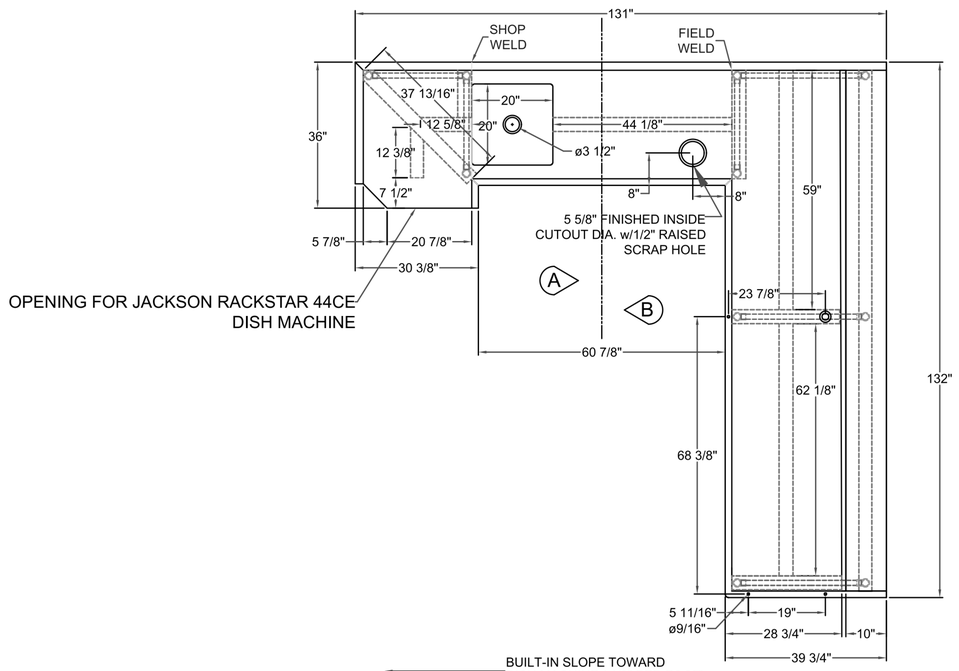
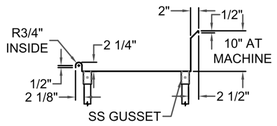
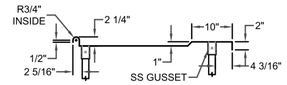


DISH TABLE DETAIL



DISH TABLE DETAIL (SLOPED LANDING DESIGN)



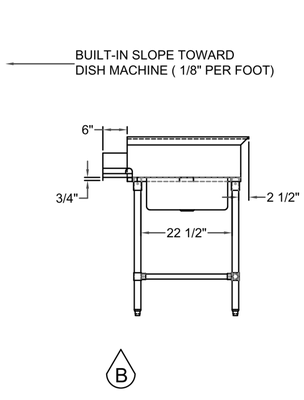
NOTES:

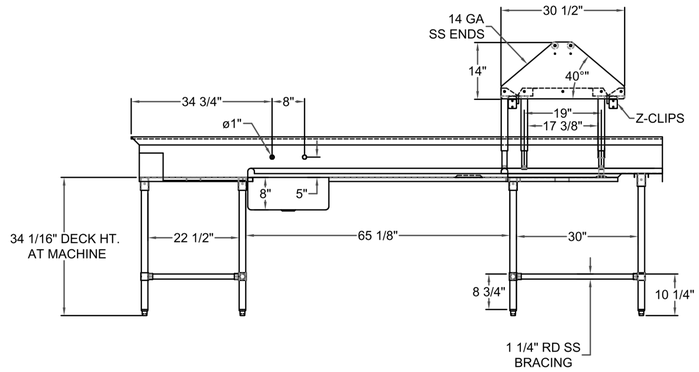
- 10" SLOPED LANDING - SEE DETAIL
- U-SHAPED PROVISION
- MODIFIED SIZE; SEE DRAWING
- SCRAP BLOCK HOLE CUT-OUT
- #DTSS-30132-S - DOUBLE SIDED SLANTED SOLID SORTING SHELF

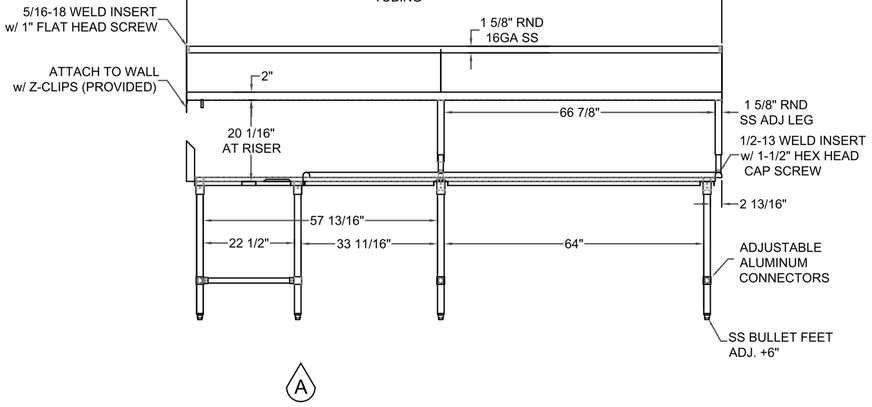
LOOSE HARDWARE:

QTY	MODEL #	DESCRIPTION
1	PBDR-4	3 1/2" DRAIN w/ BASKET
1	006310	RISER Z-CLIP PKG OF 3
2	006311	RISER Z-CLIP PKG OF 2

1-1/4" CROSS BRACE		1-5/8" RND LEG	
QTY	CUT LENGTH	QTY	CUT LENGTH
3	22 1/8"	9	SLEG-34B-ADJ
3	29 5/8"		







MFG. INITIALS:				
LAYOUT:				
BREAK:				
WELDER:				
POLISHER:				
CRATING:				

REV:	BY:	DATE:	DESCRIPTION:
-			

REVISION HISTORY:

APPROVED
APPROVED AS NOTED
REVISE & RESUBMIT

APPROVED BY

DATE

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QUOTE NUMBER: 166888	ELITE			
DATE: 9/5/2024	ROCKLAND BOCES			
SCALE: 3/8"=1'	SHEET NUMBER:	QUANTITY: 1	DECK MATERIAL: 16GA/300 SS	BASE MATERIAL: SS
DRAWN BY: DW / BH	QUAD LOCATION:	ITEM NUMBER: G12	MODEL NUMBER: SDT6-L70144SBK-R	
REQUESTED BY: PR / TS	ROOM NUMBER:	WEIGHT:	SALES ORDER NUMBER: AA2490	

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ksqdesign

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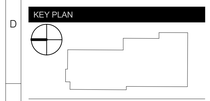
ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 06/30/2025
SCALE:
SHEET NAME:
FOODSERVICE WAREWASHING DETAIL DRAWINGS (JOHN BOOS)
SHEET NUMBER:

FS-740

BID SET

DRAWING BY: Author
Check Set By: Checker
Autodesk Docs://1504 - Rockland BOCES - West Nyack NY - v2020.19d_Rockland BOCES N / FS.rvt
6/12/2025 11:50:44 AM

PROJECT NUMBER: 2333403.01
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MULTI–CIRCUIT ELECTRA–POLE With Breaker

c UL us NSF

EQUIPMENT SPECIFICATIONS

Provide AVTEC Multi–Circuit Electra–Pole and matching Ceiling Terminal Enclosure. Assembly to be mounted in finished ceiling to provide one–point–connection to equipment. Electra–Pole shall connect to Ceiling Terminal Enclosure Assembly, lock against the floor, and be adjusted vertically by releasing a one–turn locking device. Electra–Pole shall be as manufactured by AVTEC INDUSTRIES INC., Weidman, MI.

Electra–Pole shall consist of 1 5/8" diameter, 18 gage, #304 stainless steel tubing, #4 finish, completely pre–wired per NEC using only U. L. Listed components. Connection plates housing receptacle and point–of–use breakers shall be provided for each appliance. Telescoping design shall provide an adjustment of plus or minus 6". Stainless steel flanged foot shall provide an additional adjustment of 1 1/2"

Ceiling Terminal Enclosure Assembly shall mount flush with finished ceiling and be supported with 1" angle support four (4) foot length by Avtec, cut to fit and attached to structural cross member at ceiling.

Terminal Enclosure Assembly shall be of the following design:

[PICK ONE]

☑ Attachment plate shall be provided as the top of Electra–Pole and fastened to the bottom of Ceiling Terminal Enclosure Assembly in the field. Electrical connectors shall be attached to terminals in Ceiling Terminal Enclosure Assembly in the field. Connectors and lugs are provided as part of the Electra–Pole.

☐ Ceiling box assembly shall house grounding type receptacle and junction box fitted to mount flush with finished ceiling and with 1" angle support ready to be bolted to structural cross member at ceiling. Ceiling Box Assembly shall be so designed as to guide plug connector on Eletra–Pole into position with slight upward pressure. Electra–Pole shall be as manufactured by AVTEC INDUSTRIES INC., Weidman, MI.

Electra–Pole base shall be held firmly in place by:

[PICK ONE]

☐ Rubberized foot pad for use with carpet or soft finished floors.

☑ Alignment base and foot locator for use with tile or concrete floors, (installed by K.E.C.).

ACCESSORIES

Provide the following:
4 (qty) connection plates.
0 (qty) additional Ceiling Box Assemblies.

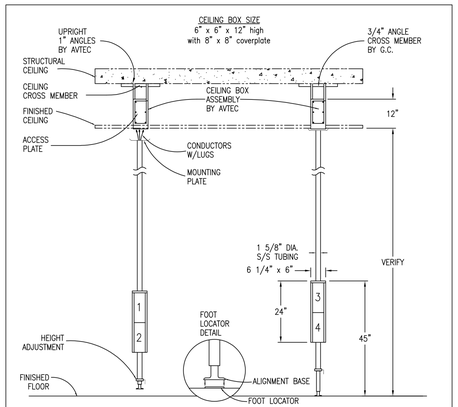
Service Requirements (125% of Capacity)	EP06 120/208/1ø
System Capacity kW	60 amps 9.98 KW

PRELIMINARY
NOT FOR CONSTRUCTION USE
Date: 01/24/25. ☐ Project File

DRAWN BY	DATE	CONTACT	WO#
ND	01/24/25	ROBINSON	------
MODEL NO.	SCALE	SALES ORDER #	
MIDE–A	NOTED	XXXXXX	
ENGINEERING/QUOTE NUMBER	SHEET	REVISION	
2208788	1 or 3	*	

PROJECT NAME: ROCKLAND BOCES WEST NYACK, NY
OWNER: ELITE STUDIOS
CONTRACTOR:

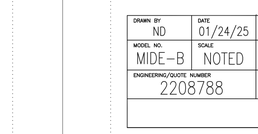
avtec
525 SOUTH COLDWATER RD., WEIDMAN, MI 48893 (989) 644–4223 (FAX) (800) 621–8560



NOTE: PADDED FOOT, FLUSH FIT FOR COVERED FLOORS.

A ELEVATION VIEW B
ITEM # EP–1

CONN NO.	ITEM NO.	UTILITY SCHEDULE EQUIPMENT DESCRIPTION	ELECTRIC KW	VOLTS/Ø	BRKR AMP/ POLE	AVTEC CONN TYPE	LENGTH FEET
1	–	DUPLEX CONV. OUTLET	1.90	120/1	20/1	DCO	–
2	–	MILK COOLER	0.86	120/1	15/1	DCO	–
3	–	DUPLEX CONV. OUTLET	1.90	120/1	20/1	DCO	–
4	–	DUPLEX CONV. OUTLET	1.90	120/1	20/1	DCO	–
		TOTAL:	6.56				



PLAN VIEW

CR=TURN & LOCK OUTLET
AR=STRAIGHT BLADE OUTLET
DCO=DUPLEX CONV. OUTLET

MULTI–CIRCUIT ELECTRA–POLE With Breaker

c UL us NSF

EQUIPMENT SPECIFICATIONS

Provide AVTEC Multi–Circuit Electra–Pole and matching Ceiling Terminal Enclosure. Assembly to be mounted in finished ceiling to provide one–point–connection to equipment. Electra–Pole shall connect to Ceiling Terminal Enclosure Assembly, lock against the floor, and be adjusted vertically by releasing a one–turn locking device. Electra–Pole shall be as manufactured by AVTEC INDUSTRIES INC., Weidman, MI.

Electra–Pole shall consist of 1 5/8" diameter, 18 gage, #304 stainless steel tubing, #4 finish, completely pre–wired per NEC using only U. L. Listed components. Connection plates housing receptacle and point–of–use breakers shall be provided for each appliance. Telescoping design shall provide an adjustment of plus or minus 6". Stainless steel flanged foot shall provide an additional adjustment of 1 1/2"

Ceiling Terminal Enclosure Assembly shall mount flush with finished ceiling and be supported with 1" angle support four (4) foot length by Avtec, cut to fit and attached to structural cross member at ceiling.

Terminal Enclosure Assembly shall be of the following design:

[PICK ONE]

☑ Attachment plate shall be provided as the top of Electra–Pole and fastened to the bottom of Ceiling Terminal Enclosure Assembly in the field. Electrical connectors shall be attached to terminals in Ceiling Terminal Enclosure Assembly in the field. Connectors and lugs are provided as part of the Electra–Pole.

☐ Ceiling box assembly shall house grounding type receptacle and junction box fitted to mount flush with finished ceiling and with 1" angle support ready to be bolted to structural cross member at ceiling. Ceiling Box Assembly shall be so designed as to guide plug connector on Eletra–Pole into position with slight upward pressure. Electra–Pole shall be as manufactured by AVTEC INDUSTRIES INC., Weidman, MI.

Electra–Pole base shall be held firmly in place by:

[PICK ONE]

☐ Rubberized foot pad for use with carpet or soft finished floors.

☑ Alignment base and foot locator for use with tile or concrete floors, (installed by K.E.C.).

ACCESSORIES

Provide the following:
4 (qty) connection plates.
0 (qty) additional Ceiling Box Assemblies.

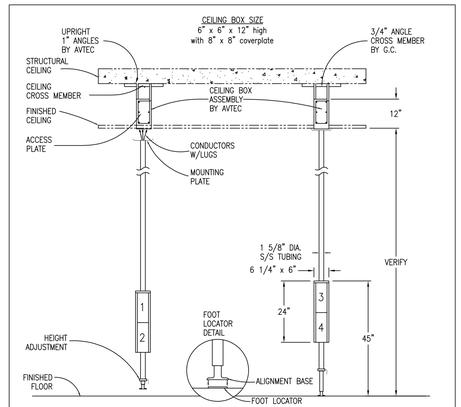
Service Requirements (125% of Capacity)	EP06 120/208/1ø
System Capacity kW	60 amps 9.98 KW

PRELIMINARY
NOT FOR CONSTRUCTION USE
Date: 01/24/25. ☐ Project File

DRAWN BY	DATE	CONTACT	WO#
ND	01/24/25	ROBINSON	------
MODEL NO.	SCALE	SALES ORDER #	
MIDE–B	NOTED	XXXXXX	
ENGINEERING/QUOTE NUMBER	SHEET	REVISION	
2208788	2 or 3	*	

PROJECT NAME: ROCKLAND BOCES WEST NYACK, NY
OWNER: ELITE STUDIOS
CONTRACTOR:

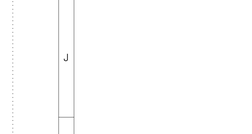
avtec
525 SOUTH COLDWATER RD., WEIDMAN, MI 48893 (989) 644–4223 (FAX) (800) 621–8560



NOTE: PADDED FOOT, FLUSH FIT FOR COVERED FLOORS.

A ELEVATION VIEW B
ITEM # EP–2

CONN NO.	ITEM NO.	UTILITY SCHEDULE EQUIPMENT DESCRIPTION	ELECTRIC KW	VOLTS/Ø	BRKR AMP/ POLE	AVTEC CONN TYPE	LENGTH FEET
1	–	DUPLEX CONV. OUTLET	1.90	120/1	20/1	DCO	–
2	–	COLD FOOD STATION	1.00	120/1	15/1	DCO	–
3	–	DUPLEX CONV. OUTLET	1.90	120/1	20/1	DCO	–
4	–	COLD FOOD STATION	1.00	120/1	15/1	DCO	–
		TOTAL:	5.80				



PLAN VIEW

CR=TURN & LOCK OUTLET
AR=STRAIGHT BLADE OUTLET
DCO=DUPLEX CONV. OUTLET

MULTI–CIRCUIT ELECTRA–POLE With Breaker

c UL us NSF

EQUIPMENT SPECIFICATIONS

Provide AVTEC Multi–Circuit Electra–Pole and matching Ceiling Terminal Enclosure. Assembly to be mounted in finished ceiling to provide one–point–connection to equipment. Electra–Pole shall connect to Ceiling Terminal Enclosure Assembly, lock against the floor, and be adjusted vertically by releasing a one–turn locking device. Electra–Pole shall be as manufactured by AVTEC INDUSTRIES INC., Weidman, MI.

Electra–Pole shall consist of 1 5/8" diameter, 18 gage, #304 stainless steel tubing, #4 finish, completely pre–wired per NEC using only U. L. Listed components. Connection plates housing receptacle and point–of–use breakers shall be provided for each appliance. Telescoping design shall provide an adjustment of plus or minus 6". Stainless steel flanged foot shall provide an additional adjustment of 1 1/2"

Ceiling Terminal Enclosure Assembly shall mount flush with finished ceiling and be supported with 1" angle support four (4) foot length by Avtec, cut to fit and attached to structural cross member at ceiling.

Terminal Enclosure Assembly shall be of the following design:

[PICK ONE]

☑ Attachment plate shall be provided as the top of Electra–Pole and fastened to the bottom of Ceiling Terminal Enclosure Assembly in the field. Electrical connectors shall be attached to terminals in Ceiling Terminal Enclosure Assembly in the field. Connectors and lugs are provided as part of the Electra–Pole.

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[PICK ONE]

☐ Rubberized foot pad for use with carpet or soft finished floors.

☑ Alignment base and foot locator for use with tile or concrete floors, (installed by K.E.C.).

ACCESSORIES

Provide the following:
4 (qty) connection plates.
0 (qty) additional Ceiling Box Assemblies.

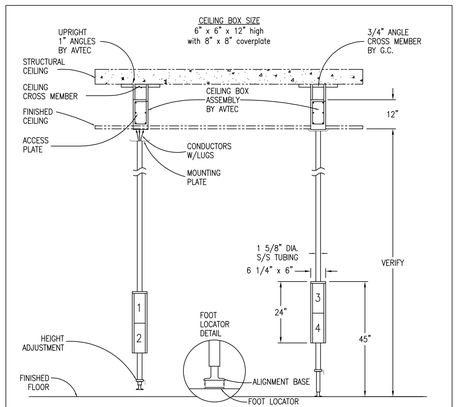
Service Requirements (125% of Capacity)	EP06 120/208/1ø
System Capacity kW	60 amps 9.98 KW

PRELIMINARY
NOT FOR CONSTRUCTION USE
Date: 01/24/25. ☐ Project File

DRAWN BY	DATE	CONTACT	WO#
ND	01/24/25	ROBINSON	------
MODEL NO.	SCALE	SALES ORDER #	
MIDE–C	NOTED	XXXXXX	
ENGINEERING/QUOTE NUMBER	SHEET	REVISION	
2208788	3 or 3	*	

PROJECT NAME: ROCKLAND BOCES WEST NYACK, NY
OWNER: ELITE STUDIOS
CONTRACTOR:

avtec
525 SOUTH COLDWATER RD., WEIDMAN, MI 48893 (989) 644–4223 (FAX) (800) 621–8560



NOTE: PADDED FOOT, FLUSH FIT FOR COVERED FLOORS.

A ELEVATION VIEW B
ITEM # EP–1

CONN NO.	ITEM NO.	UTILITY SCHEDULE EQUIPMENT DESCRIPTION	ELECTRIC KW	VOLTS/Ø	BRKR AMP/ POLE	AVTEC CONN TYPE	LENGTH FEET
1	–	DUPLEX CONV. OUTLET	1.90	120/1	20/1	DCO	–
2	–	HOT FOOD BASE	2.06	120/1	30/1	AP	–
3	–	DUPLEX CONV. OUTLET	1.90	120/1	20/1	DCO	–
4	–	HOT FOOD BASE	2.06	120/1	30/1	AR	–
		TOTAL:	7.92				

PLAN VIEW

CR=TURN & LOCK OUTLET
AR=STRAIGHT BLADE OUTLET
DCO=DUPLEX CONV. OUTLET

ARCHITECT

ksqdesign

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Owner

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Civil & MEP Engineer

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www.fellp.com

Structural Engineer

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212-545-7878 office
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Food Service Consultant:

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1865 New Hwy #1
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631-420-9400 office
www.elitestudioe.com

Construction Manager:

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www.arriscontracting.com

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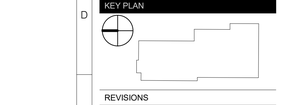
ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 06/30/2025

SCALE:

SHEET NAME:
FOODSERVICE MISCELANEOUS DETAIL DRAWINGS (AVTEC)

SHEET NUMBER:
FS-760

BID SET

DRAWN BY: Author
Last Saved By: Author
Autodesk Docs://1004 - Rockland BOCES - West Nyack NY - 4003-1004 - Rockland BOCES WY FS.rvt

6/12/2025 11:50:47 AM

PROJECT NUMBER: 2333403.01 COPYRIGHT © 2024 KSQ ARCHITECTS, PC

GENERAL NOTES:

1. THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL HVAC WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
3. ACCESS PANELS SHALL BE PROVIDED IN CEILINGS, WALLS, FLOORS, ETC., AS REQUIRED TO MAINTAIN ACCESSIBILITY TO VALVES, DAMPERS, TRAPS, COILS, ETC.
4. PROVIDE DUCT ACCESS DOORS AT ALL MOTORIZED DAMPERS, FIRE DAMPERS, AND SMOKE DAMPERS.
5. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
6. ALL DUCTWORK PASSING THROUGH A FIRE RATED PARTITION SHALL BE PROVIDED WITH A FIRE DAMPER TO MAINTAIN THE FIRE RATING OF THE PARTITION.
7. LOCATIONS OF DIFFUSERS AND GRILLES ARE APPROXIMATE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS.
8. ALL BRANCHES AND TAKE-OFFS SHALL BE EQUIPPED WITH VOLUME CONTROL DAMPERS. DAMPERS TO BE OPPOSED BLADE TYPE, 4" MAX. BLADE HEIGHT. VOLUME DAMPERS TO BE LOCATED AS NEAR TO THE POINT OF TAKE-OFF AS PRACTICAL.
9. FLEXIBLE DUCT CONNECTIONS SHALL BE LIMITED TO A MAXIMUM LENGTH OF FIVE (5) FEET AND SUPPORTED AT MID-POINT.
10. ALL SUPPLY & OUTSIDE AIR DUCTWORK SHALL BE INSULATED.
11. PROVIDE REFRIGERANT PIPING AND LAYOUT/ROUTING PER MANUFACTURER'S RECOMMENDATION AND ALL CONNECTIONS TO EQUIPMENT.
12. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
13. ALL MOTOR STARTERS SHALL BE FURNISHED BY THE HVAC CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
14. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THE HVAC CONTRACTOR.
15. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.

DUCTWORK SYMBOLS

- AxB — DUCTWORK DOUBLE LINE REPRESENTATION: "A" INDICATES DUCT WIDTH; "B" INDICATES DUCT DEPTH.
- AxB — DUCTWORK SINGLE LINE REPRESENTATION: "A" INDICATES DUCT WIDTH; "B" INDICATES DUCT DEPTH.
- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- RETURN AIR DUCT UP
- RETURN AIR DUCT DOWN
- EXHAUST AIR DUCT UP
- EXHAUST AIR DUCT DOWN
- FLEXIBLE DUCTWORK
- SUPPLY AIR FLOW
- RETURN/EXHAUST AIR FLOW
- VOLUME DAMPER
- MOTORIZED DAMPER w/ ACCESS DOOR
- FIRE DAMPER W/ ACCESS DOOR
- SUPPLY AIR TERMINAL
- RETURN/EXHAUST AIR TERMINAL
- EXHAUST AIR TERMINAL
- D — DROP DUCT
- R — RISE DUCT

ABBREVIATIONS

AC	AIR CONDITIONING UNIT
ACT	ACOUSTIC CEILING TILE
ACCU	AIR COOLED CONDENSING UNIT
AD	ACCESS DOOR
AF	AFTER FILTER
AFF	ABOVE FINISHED FLOOR
AFM	AIR FLOW MEASURING DEVICE
AHU	AIR HANDLING UNIT
A.L.D.	AUTOMATIC LOUVER DAMPER (PNEUMATIC)
AP	ACCESS PANEL
BDD	BACK DRAFT DAMPER
BG	BOTTOM GRILLE (WALL TYPE)
BR	BOTTOM REGISTER (WALL TYPE)
BTUH	BRITISH THERMAL UNITS/HOUR
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
CLG	CEILING
CO	CLEAN OUT
CP	CONDENSATE PUMP
CR	CEILING REGISTER
CUH	CABINET UNIT HEATER
CW	COLD WATER
D	DRAIN
Db	DRY BULB TEMPERATURE, °F
dB	DECIBELS
DN	DOWN
DP	DIFFERENTIAL PRESSURE
Dp	DEW POINT TEMPERATURE, °F
DS	DUCT SMOKE DETECTOR
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMP
E.C.	ELECTRICAL CONTRACTOR
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ERC	ENERGY RECOVERY COIL
EUH	ELECTRIC UNIT HEATER
F.A.I.	FRESH AIR INTAKE
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLR	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
F/SD	COMBINATION FIRE/SMOKE DAMPER
G.C.	GENERAL CONTRACTOR
GH	GRAVITY HOOD
H.C.	HVAC CONTRACTOR
HF	HEPA FILTER
HP	HORSEPOWER
HV	HEATING AND VENTILATING UNIT
LCD	LINEAR CEILING DIFFUSER
LF	LINEAR FEET
MA	MIXED AIR
MB	MIXING BOX
MD	MOTORIZED DAMPER
MER	MECHANICAL EQUIPMENT ROOM
MAX.	MAXIMUM
MBH	ONE THOUSAND BTUH
MIN.	MINIMUM
NOM.	NOMINAL
OA	OUTSIDE AIR
P.C.	PLUMBING CONTRACTOR
PF	PRE-FILTER
PH	PREHEAT
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE IN.
RA	RETURN AIR
RF	RETURN FAN
RHC	REHEAT COIL
Rh	RELATIVE HUMIDITY
RPZ	REDUCED PRESSURE ZONE
SA	SUPPLY AIR
SD	SMOKE DAMPER
Sp. Gr.	SPECIFIC GRAVITY
SP	STATIC PRESSURE
SPD	SPLITTER DAMPER
SPS	STATIC PRESSURE SENSOR
S.S.	STAINLESS STEEL
TG	TOP GRILLE (WALL TYPE)
TR	TOP REGISTER (WALL TYPE)
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
VD	VOLUME DAMPER
VE	VOLUME EXTRACTOR
VI	VIBRATION ISOLATOR
VIF	VERIFY IN FIELD
Wb	WET BULB TEMPERATURE, °F
WFM	WATER FLOW MEASURING DEVICE
WMS	WIRE MESH SCREEN

GENERAL SYMBOLS

- X / XX — INDICATES SECTION LETTER; INDICATES DRAWING NUMBER WHERE LOCATED
- XXX / XXX — INDICATES TYPE OF AIR OUTLET; INDICATES AIR FLOW REQUIREMENTS
- ADJUSTABLE ANGLE THERMOMETER
- T — DIAL THERMOMETER
- P — PRESSURE GAUGE WITH NEEDLE VALVE
- T^A — WALL MOUNT THERMOSTAT 'A' DESIGNATES COMPONENT SERVED
- TS — TEMPERATURE SENSOR
- PUMP
- DS — DUCT SMOKE DETECTOR
- SP — FAN SWITCH WITH PILOT LIGHT
- U — DOOR UNDERCUT (BY G.C.)
- L — LOUVERED DOOR (BY G.C.)

ARCHITECT

ksq design

KSQ Architects PC dba KSQ Design
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New York, NY 10018
646.435.0660 office
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Owner

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845-627-4700 office
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845.343.1481 office
www.fellp.com
FE #: 23-284

Structural Engineer

GACE CONSULTING ENGINEERS
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New York, NY 10016
212-545-7878 office
www.structuralengineerwebsite.com

Food Service Consultant:

ELITE | STUDIO E
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JOHN D. FELLENZER, P.E.

STATE OF NEW YORK · JOHN DAVID FELLENZER · 129333 · LICENSED PROFESSIONAL ENGINEER

NY PROFESSIONAL ENGINEER
NO. 085731--1
ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: MECHANICAL COVER SHEET
SHEET NUMBER: H-001

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\Author\Desktop\Revit Local Files\23-284 ROCKLAND BOCES\LOCAL FILE Revised BOCES P-Tech C-Tec_R22_ajHPeHr.rvt
5/16/2024 9:02:28 AM
PROJECT NUMBER: ###
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GENERAL NOTES

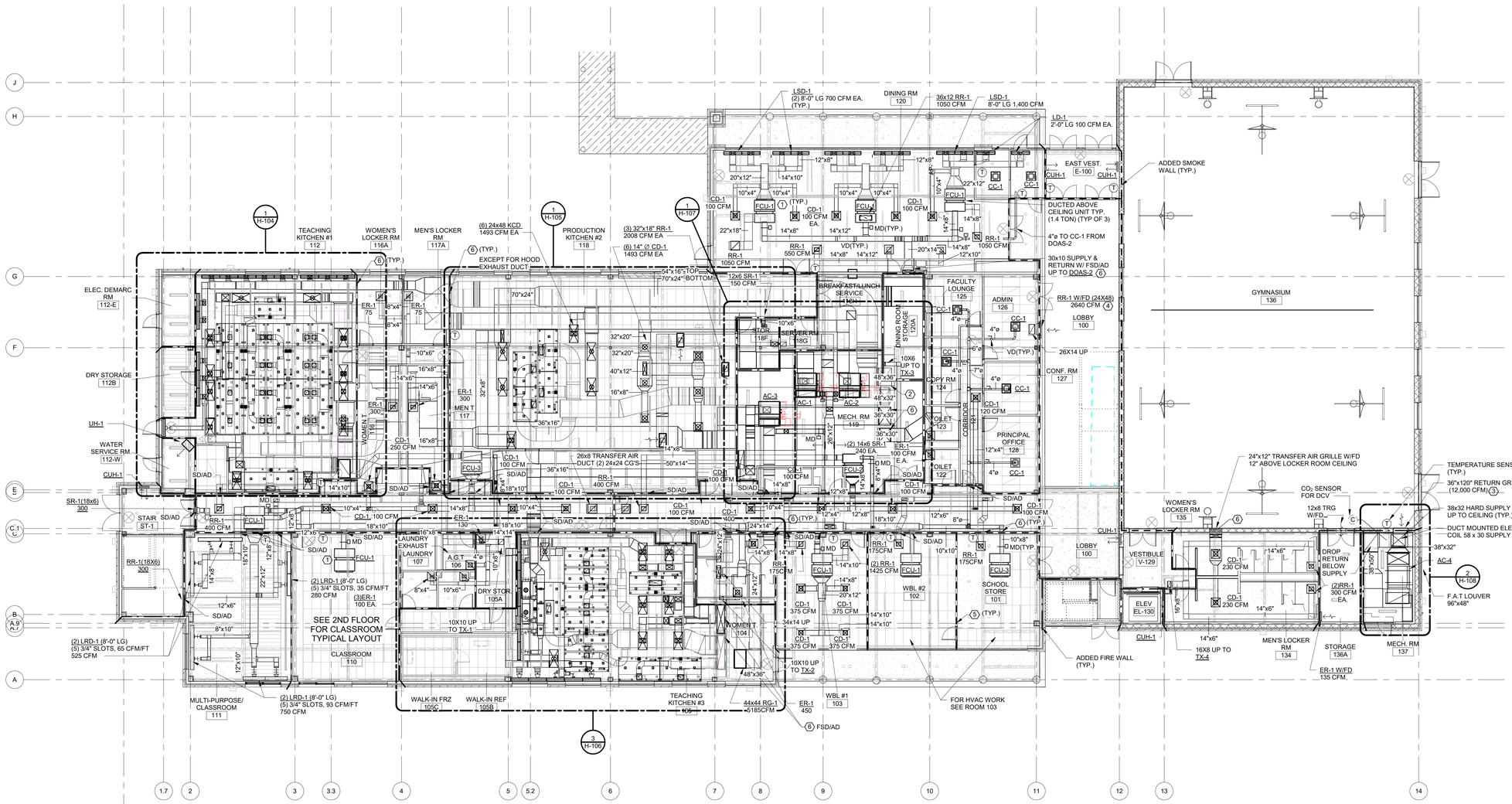
1. ROOM SENSORS ARE SHOWN AS (T) WITH THE BMS
2. ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTWORK TO BE EXTERNALLY INSULATED, U.N.O
3. REFRIGERANT PIPING TO BE SIZED PER MANUFACTURERS RECOMMANDATIONS BASED ON LENGTH OF RUN. REFER TO H-704, 705, 706, 707 FOR PIPING AND WIRING DIAGRAMS.
4. SD'S & AD'S SHALL BE INSTALLED TO ALL DUCTWORK PENETRATING ALL RATED WALLS. REFER TO LIFE SAFETY DRAWINGS G-101 & G-102.
5. ALL FLOOR MOUNTED HVAC EQUIPMENT TO BE ON 6" HIGH CONDRETE PAD, PADS TO BE 6" BEYOND REQUIREMENT FOOT PRINT WITH 1" CHAMFER ALL AROUND.
6. REFER TO DETAIL 4/H-701 FOR MOTORIZED DAMPER AT THE OUTSIDE AIR AND RETURN AIR AND OTHER REQUIREMENTS FOR A COMPLETE SYSTEM.
7. KITCHEN EXHAUST DUCTS SHALL SLOPE NOT LESS THAN 2% SLOPE TOWARD THE HOOD OR TOWARD A GREASE RESERVOIR IN ACCORDANCE WITH N.Y.S.M.C SECTION 506.3.7.1.

GENERAL NOTES

8. KITCHEN EXHAUST DUCTWORK SHALL HAVE ROUND TURN ELBOWS W/ CLEANOUTS. CLEANOUTS SHALL ALSO BE PROVIDED W/ CLEANOUTS AT STRAIGHT DUCT RUNS EVERY 20'-0".
9. PROVIDE EXTERNAL FIREPROOF INSULATION TO ALL HOOD EXHAUST DUCTWORK SYSTEM AT ALL (3) KITCHEN 1, 2, & 3.
10. ALL KITCHEN EXHAUST DUCTWORK SHALL HAVE ROUND TURN ELBOWS W/ CLEANOUTS. CLEANOUTS SHALL ALSO BE PROVIDED W/ CLEANOUTS AT STRAIGHT DUCT RUNS EVERY 20'-0".

KEYED NOTES

1. FIELD FABRICATED MIXED AIR PLENUM APPROX. DIMENSIONS 65"Lx120x30" OR SAME DIMENSIONS AS THE UNIT INLET
2. ALL KITCHEN EXHAUST DUCTWORK TO HAVE ROUND ELBOWS SQUARE ELBOWS WITH TURNING VALVE ARE NOT ALLOWED FOR HOOD EXHAUST DUCTWORK.
3. INSTALL RETURN GRILL @ 12" AFF.
4. INSTALL RR-1 @ 11'-0" AFF.
5. ALL REFRIGERANT PIPING PASSING TURN SMOKE PARTITION AND RATED WALLS SHALL HAVE FIRE-STOP SEALANT. SEE DETAIL SHEETS FOR REQUIREMENTS.
6. PROVIDE SMOKE DAMPER FOR A/C SUPPLY/RETURN AND MAKE-UP AIR DUCTS ONLY PENETRATING TO ALL SMOKE RATED WALLS. REFER TO LIFE SAFETY DRAWINGS G-101 & G-102. REFER TO DETAIL 9/H-706 DAMPERS (SD/AD).



1 MECHANICAL FIRST FLOOR DUCTWORK PLAN
3/32" = 1'-0"

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NY PROFESSIONAL ENGINEER NO. 083373-1 ISSUED 1992; EXP. 9/25

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SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: MECHANICAL FIRST FLOOR DUCTWORK PLAN
SHEET NUMBER: H-101

BID SET

DRAWN BY: AuthorCHECKED BY: Checker
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6/20/2025 8:59:45 AM
PROJECT NUMBER: 845-627-4700
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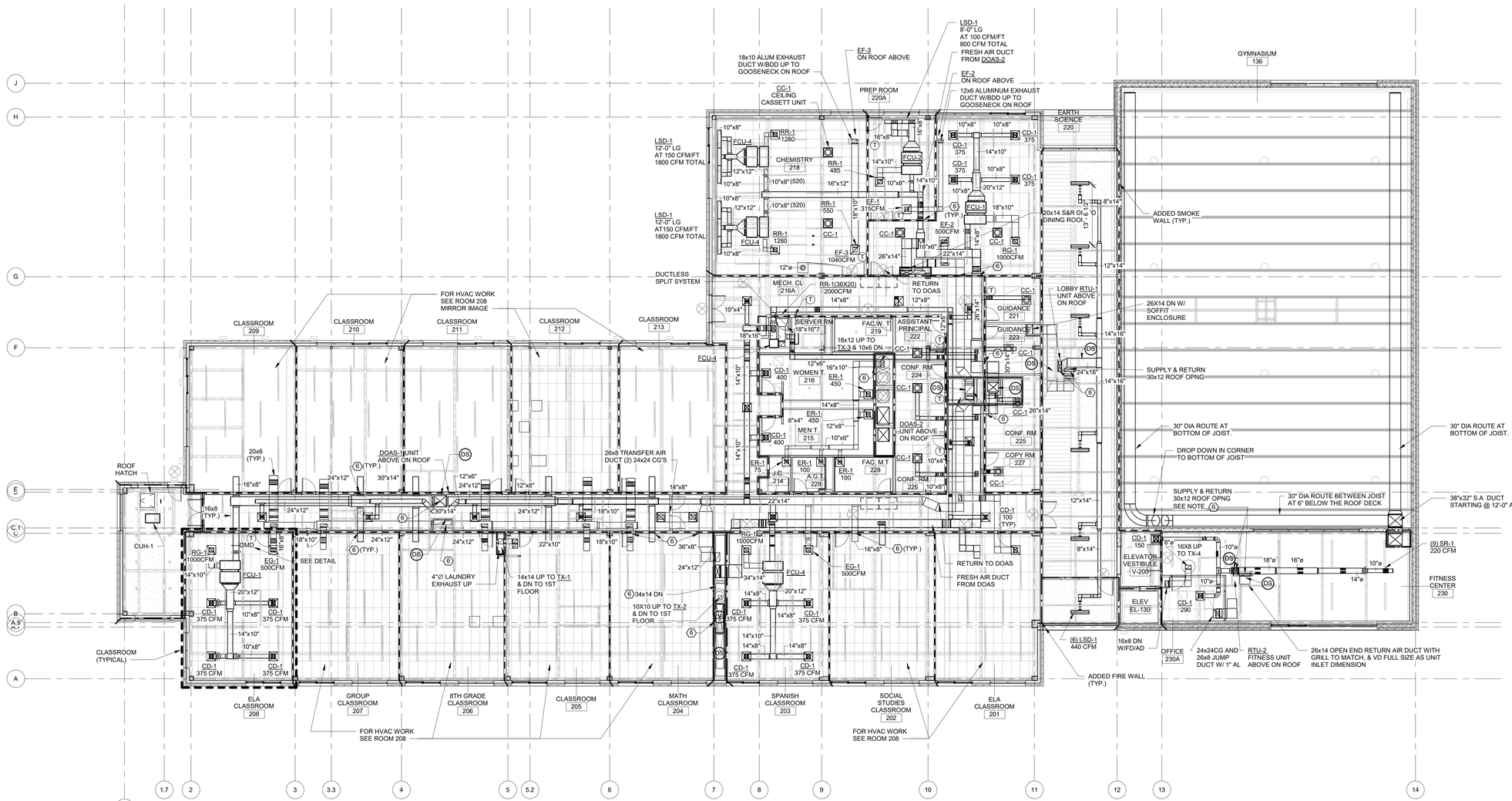
GENERAL NOTES

1. ROOM SENSORS ARE SHOWN AS (T) WITH THE BMS
2. ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTWORK TO BE EXTERNALLY INSULATED, U.N.O
3. REFRIGERANT PIPING TO BE SIZED PER MANUFACTURERS RECOMMANDATIONS BASED ON LENGTH OF RUN. REFER TO H-704, 705, 706, 707 FOR PIPING AND WIRING DIAGRAMS.
4. FD'S & AD'S SHALL BE INSTALLED TO ALL DUCTWORK PENETRATING ALL RATED WALLS. REFER TO LIFE SAFETY DRAWINGS G-101 & G-102.

KEYED NOTES

1. FIELD FABRICATED MIXED AIR PLENUM APPROX. DIMENSIONS 55"Lx120'x30" OR SAME DIMENSIONS AS THE UNIT INLET
2. ALL KITCHEN EXHAUST DUCTWORK TO HAVE ROUND ELBOWS SQUARE ELBOWS WITH TURNING VALVE ARE NOT ALLOWED
3. INSTALL RETURN GRILL @ 12" AFF.
4. INSTALL RR-1 @ 11'-0" AFF.
5. ALL REFRIGERANT PIPING PASSING TURN SMOKE PARTITION AND RATED WALLS SHALL HAVE FIRE-STOP SEALANT. SEE DETAIL SHEETS FOR REQUIREMENTS.
6. PROVIDE SMOKE DAMPERS (SD/AD) TO ALL RATED SMOKE WALLS. REFER TO LIFE SAFETY DRAWINGS G-101 & G-102 - FD/AD ALL OTHER RATED PARTITION



2 MECHANICAL SECOND FLOOR DUCTWORK PLAN

3/32" = 1'-0"

ARCHITECT

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STATE OF NEW YORK — JOHN DAVID FELLENZER — 083733 — LICENSED PROFESSIONAL ENGINEER

NY PROFESSIONAL ENGINEER
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SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: MECHANICAL SECOND FLOOR DUCTWORK PLAN
SHEET NUMBER: H-102

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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6/20/2025 8:59:55 AM

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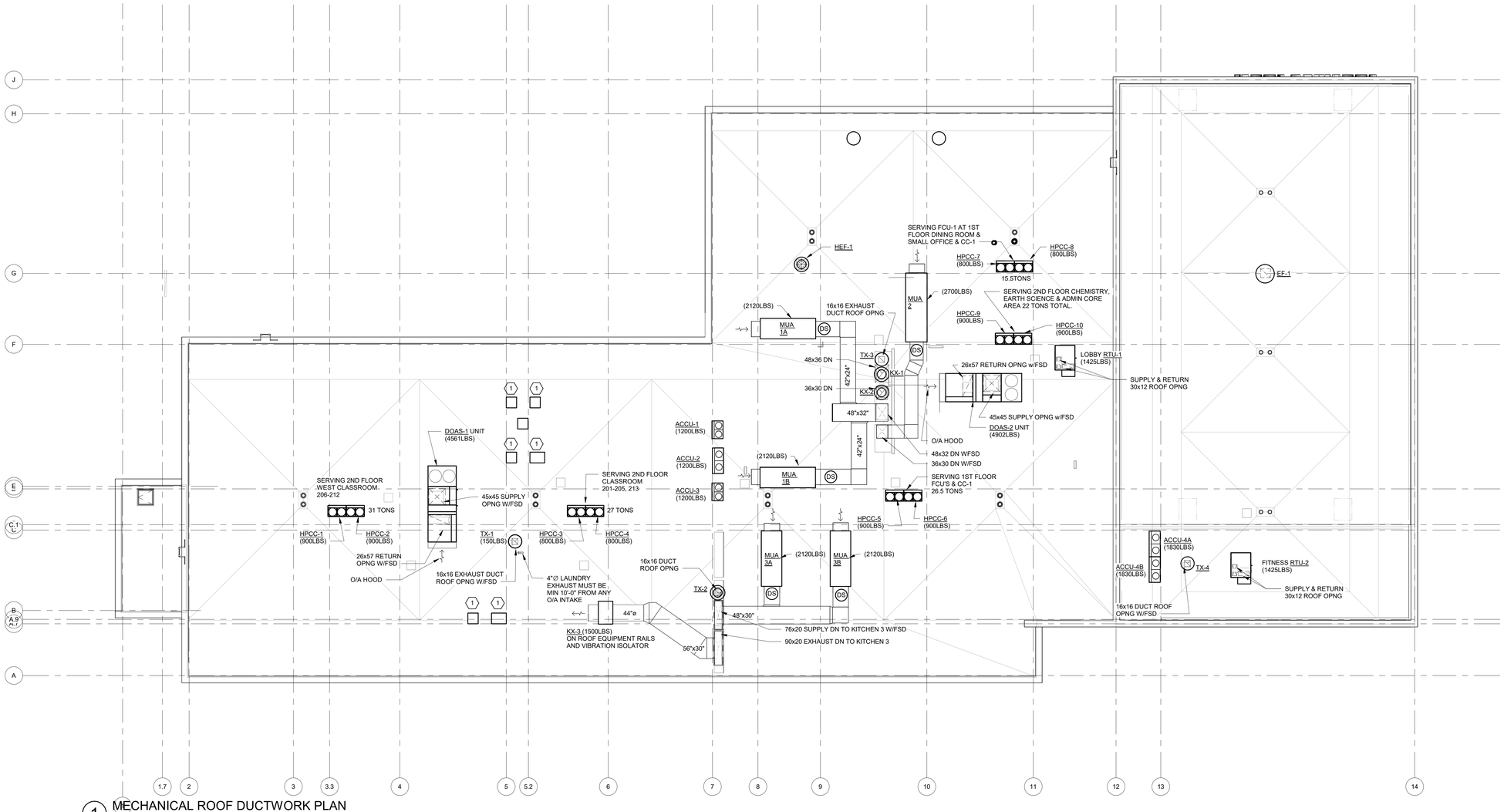
GENERAL NOTES

1. ALL F.A.I MUST BE MIN. 10'-0" FROM ANY EXHAUST OR PLUMBING VENTS.
2. HVAC CONTRACTOR SHALL CONSOLIDATE REFRIGERANT PIPING PENETRATIONS TO BE NO LESS THAN 6, PER PIPE PORTAL TO MINIMIZE ROOFING PENETRATIONS AND INDIVIDUAL PITCH POCKETS. HVAC CONTRACTOR TO COORDINATE THESE LOCATIONS IN THE FIELD AND PROVIDE A PIPE PENETRATION SHOP DRAWING FOR REVIEW.

SCOPE NOTES:

(1) REFRIGERANT COMPRESSORS TO BE SUPPLIED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR. MECHANICAL CONTRACTOR TO HOIST COMPRESSORS TO ROOF AND MOUNT TO WOOD CURB. FLASHING PROVIDED BY G.C. PER DETAIL ON DRAWING A-521. GENERAL CONTRACTOR TO CORE DRILL AND WATERPROOF ROOF PENETRATIONS. FOOD SERVICE EQUIPMENT CONTRACTOR TO SUPPLY AND INSTALL REFRIGERANT LINES, CHARGE AND TEST THE SYSTEM. GENERAL CONTRACTOR TO COORDINATE ALL LOCATIONS WITH ALL TRADES.



1 MECHANICAL ROOF DUCTWORK PLAN
3/32" = 1'-0"

ARCHITECT

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NY PROFESSIONAL ENGINEER
NO. 093373-1
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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: MECHANICAL ROOF PLAN
SHEET NUMBER: H-103

BID SET

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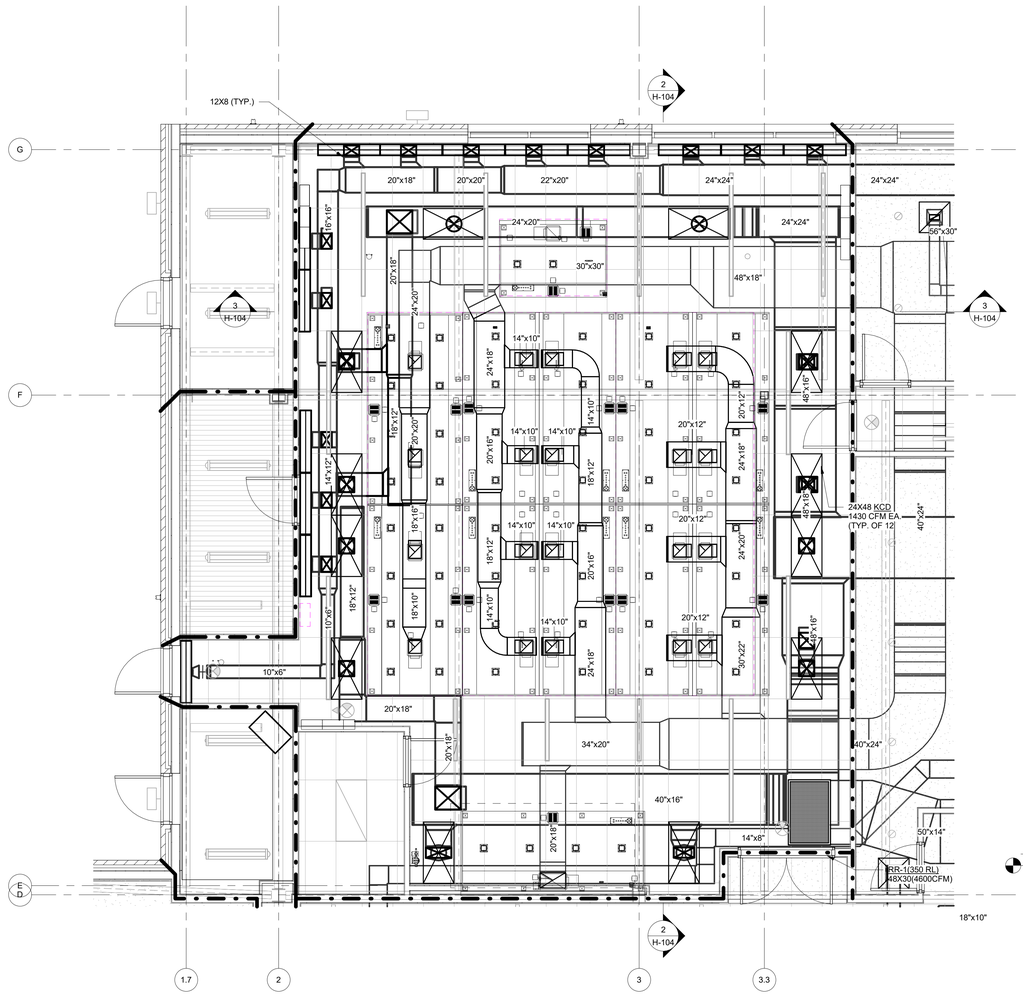
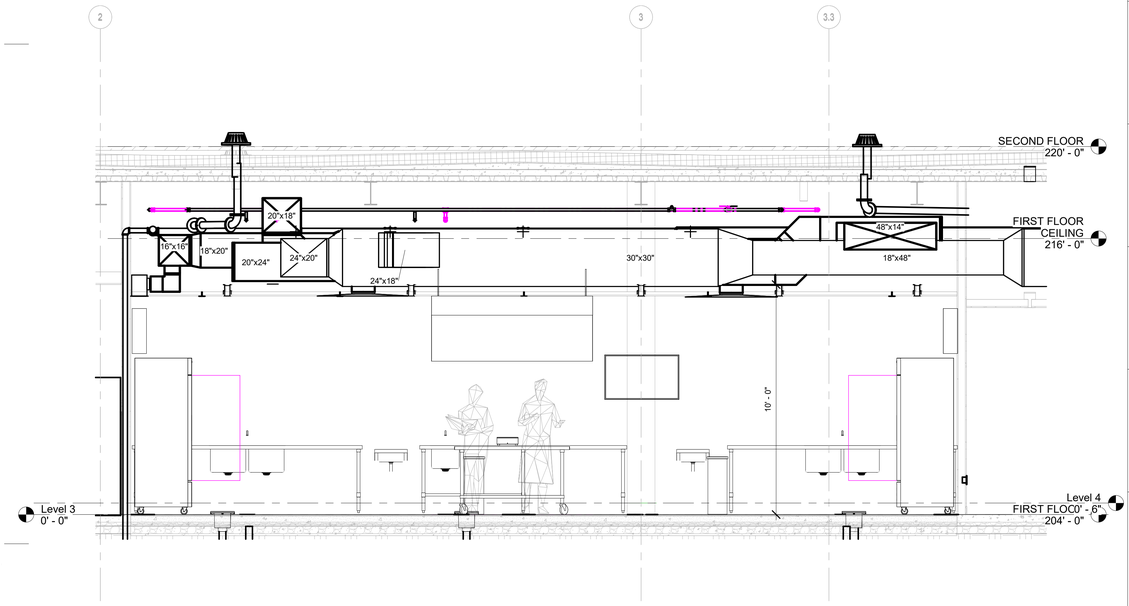
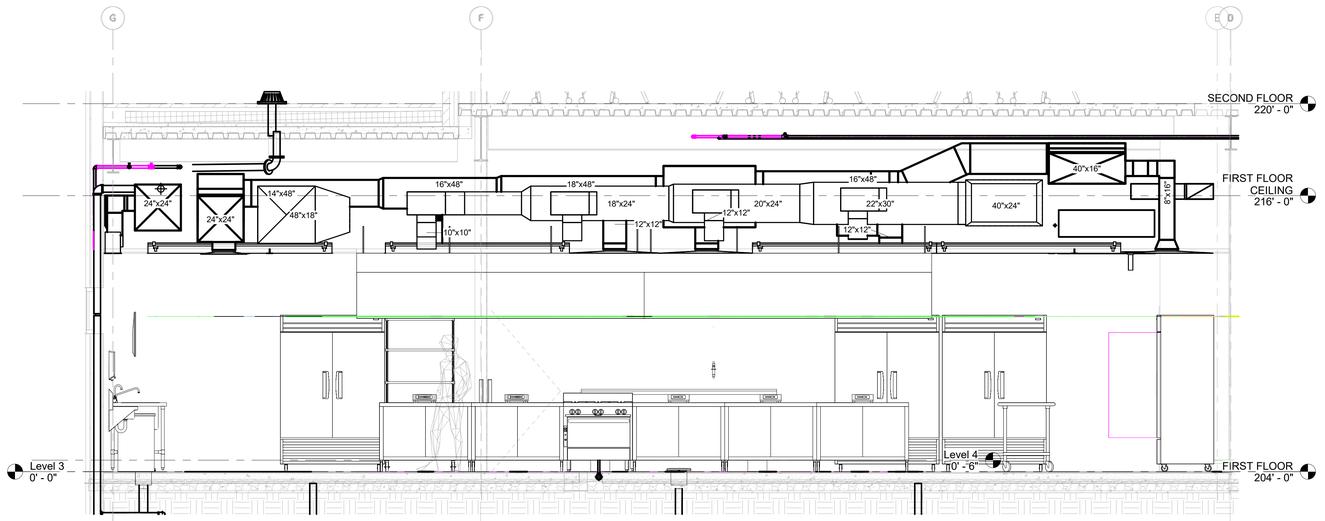


1 MECHANICAL FIRST FLOOR DUCTWORK PLAN - KITCHEN 1
1/4" = 1'-0"



3 KITCHEN 1 SECTION 1
3/8" = 1'-0"



2 KITCHEN 1 SECTION 2
3/8" = 1'-0"

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: As indicated
SHEET NAME:
MECHANICAL KITCHEN 1

SHEET NUMBER:
H-104

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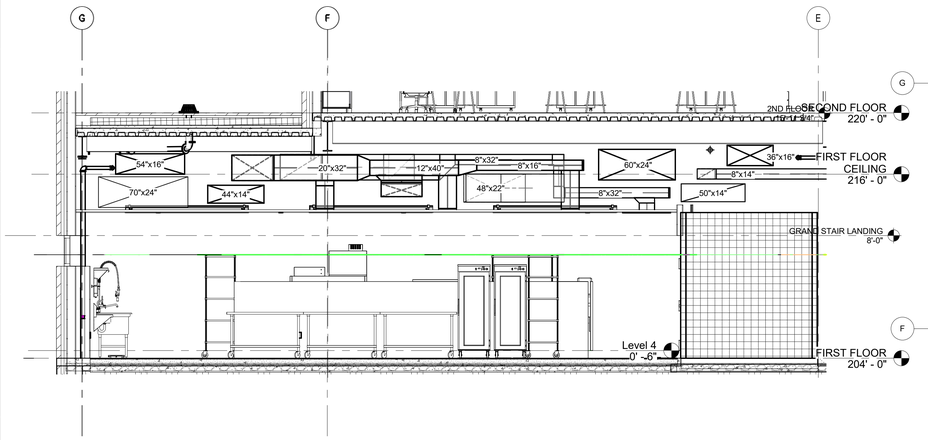
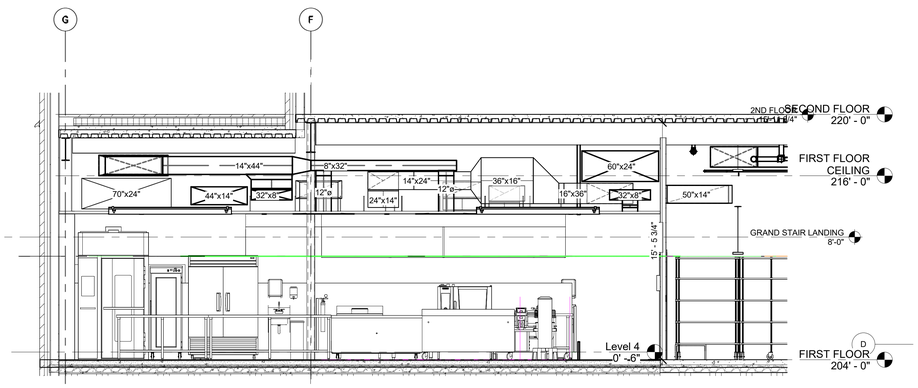
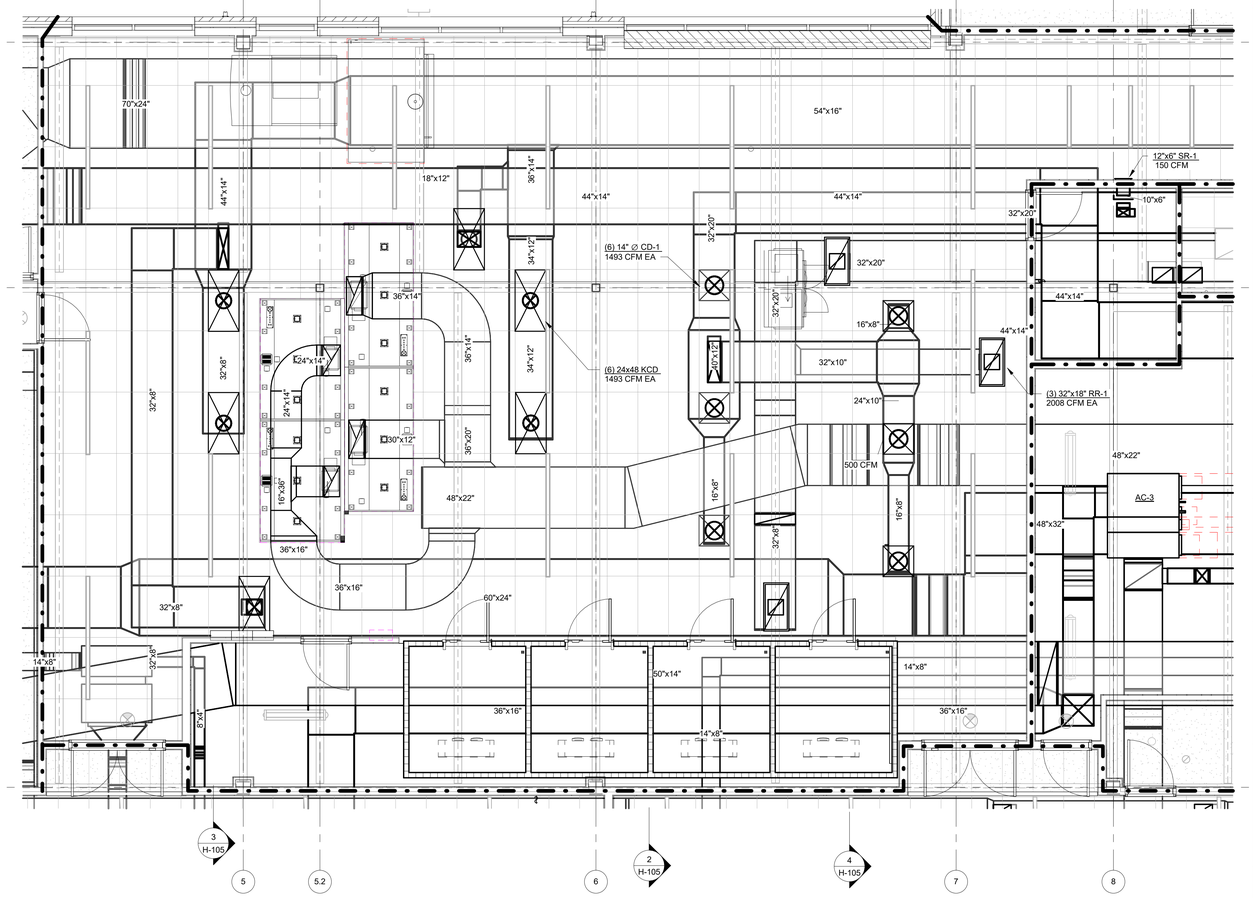


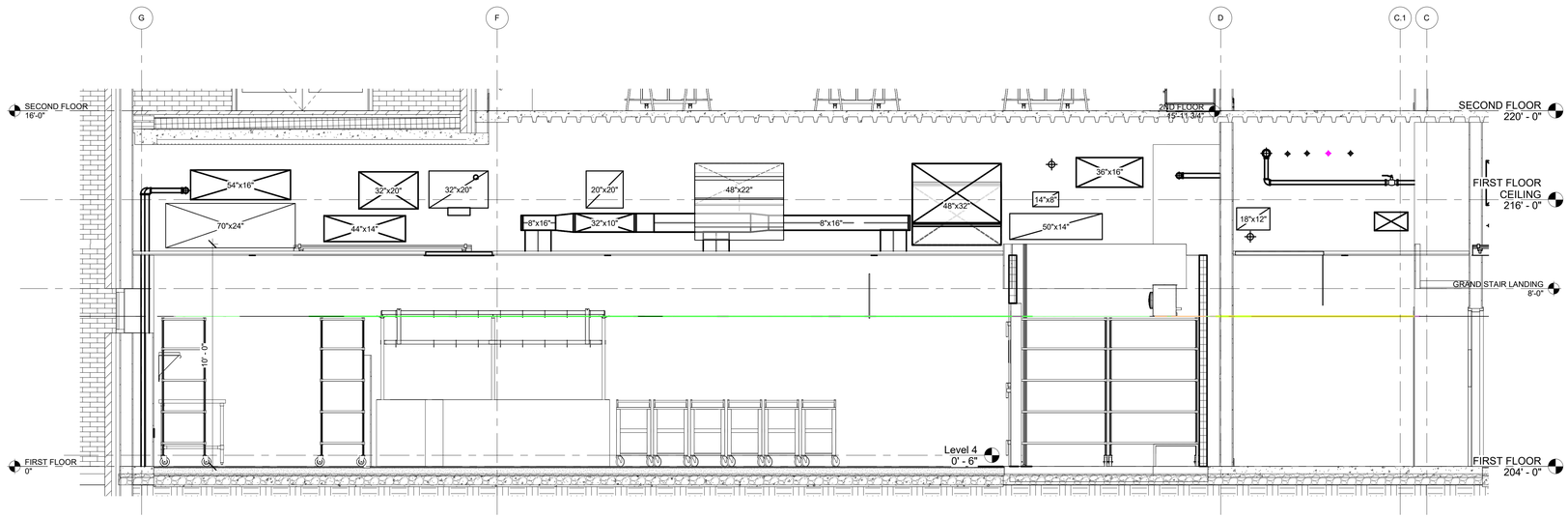
2 KITCHEN 2 SECTION 1
1/4" = 1'-0"



3 KITCHEN 2 SECTION 2
1/4" = 1'-0"



1 MECHANICAL FIRST FLOOR DUCTWORK PLAN - KITCHEN 2
1/4" = 1'-0"



4 KITCHEN 2 SECTION 3
3/8" = 1'-0"

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JOHN D. FELLENZER, P.E.

NY PROFESSIONAL ENGINEER
NO. 083373-1
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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: As indicated
SHEET NAME:
MECHANICAL KITCHEN 2

SHEET NUMBER:
H-105

BID SET

DRAWN BY: JF/JNV
CHECKED BY: JF/JNV
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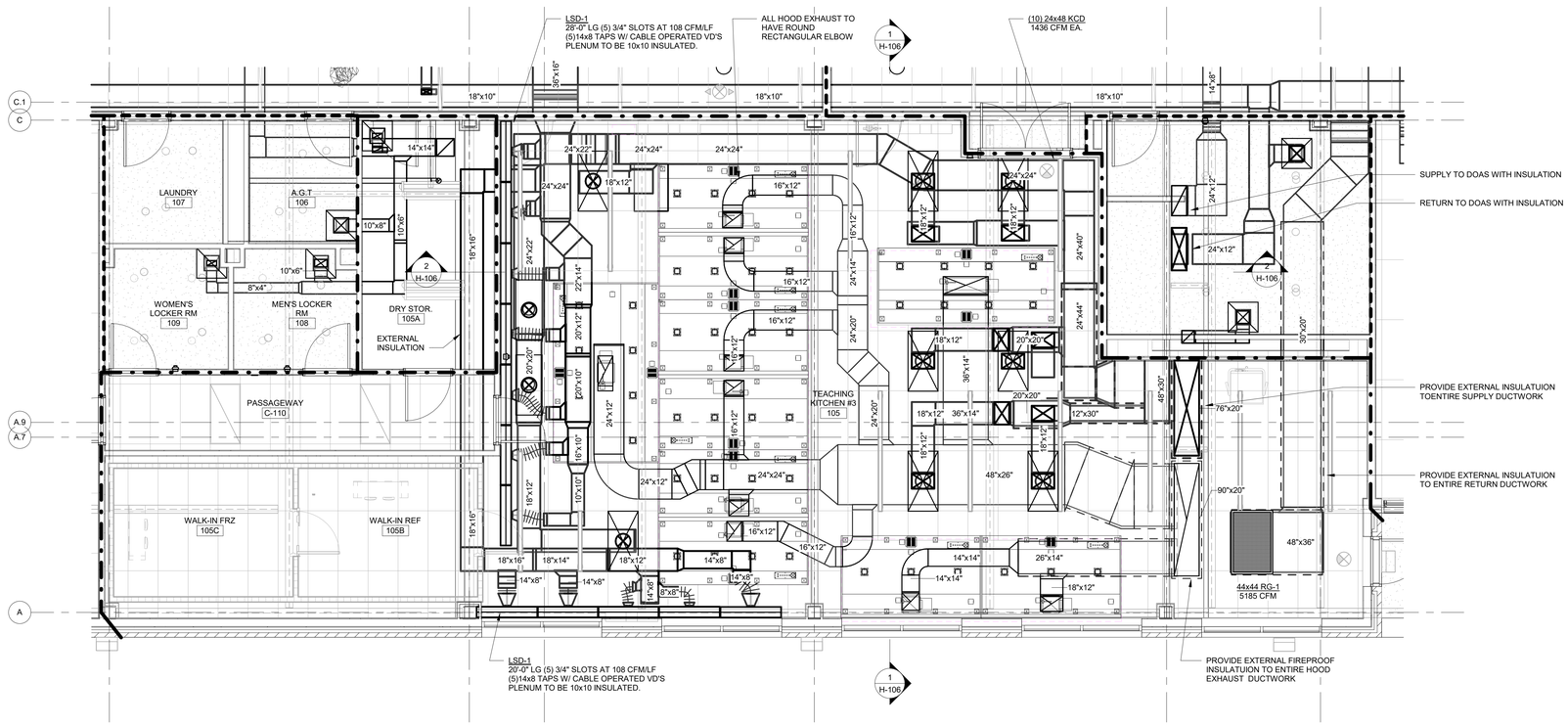
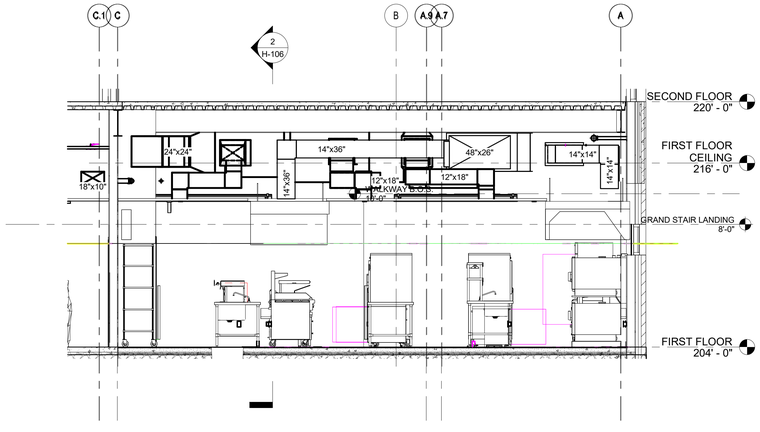


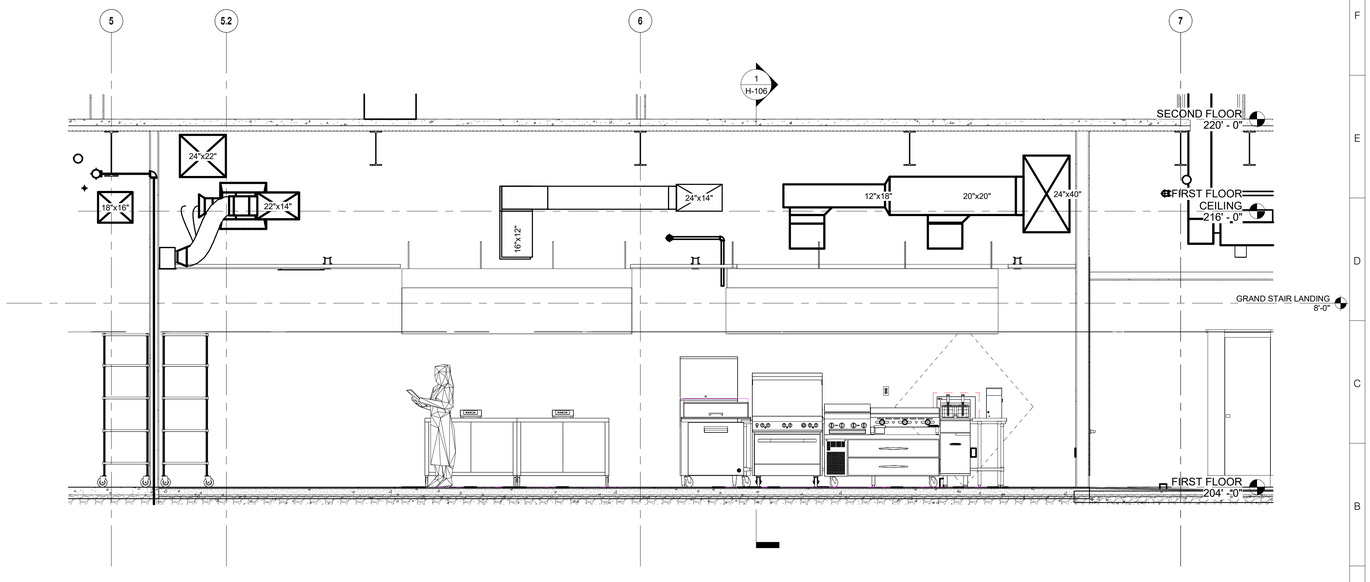
3 MECHANICAL FIRST FLOOR DUCTWORK PLAN - KITCHEN 3

1/4" = 1'-0"



1 KITCHEN 3 SECTION 2

1/4" = 1'-0"



2 KITCHEN 3 SECTION 1

3/8" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: As indicated
SHEET NAME:
MECHANICAL KITCHEN 3

SHEET NUMBER:
H-106

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/NV
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6/20/2025 9:01:24 AM
PROJECT NUMBER: 845-627-4700
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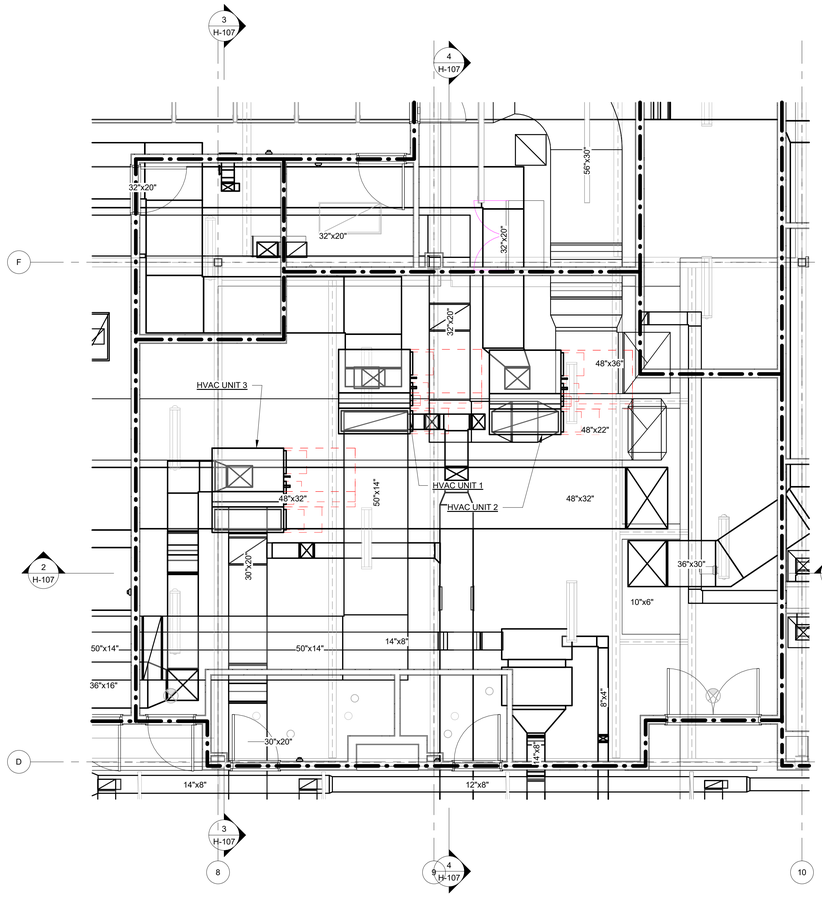
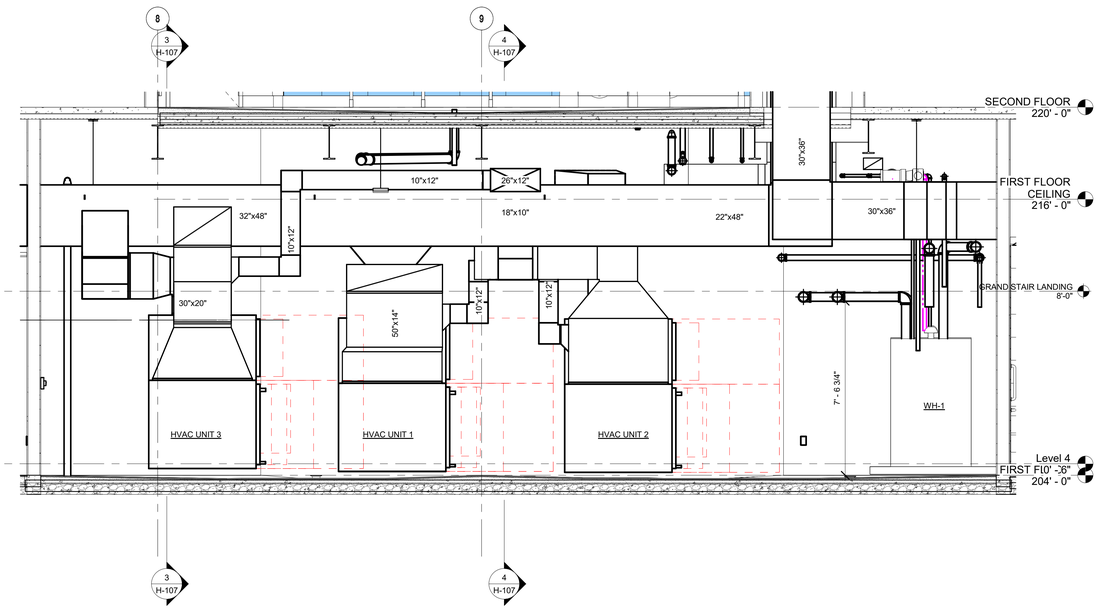
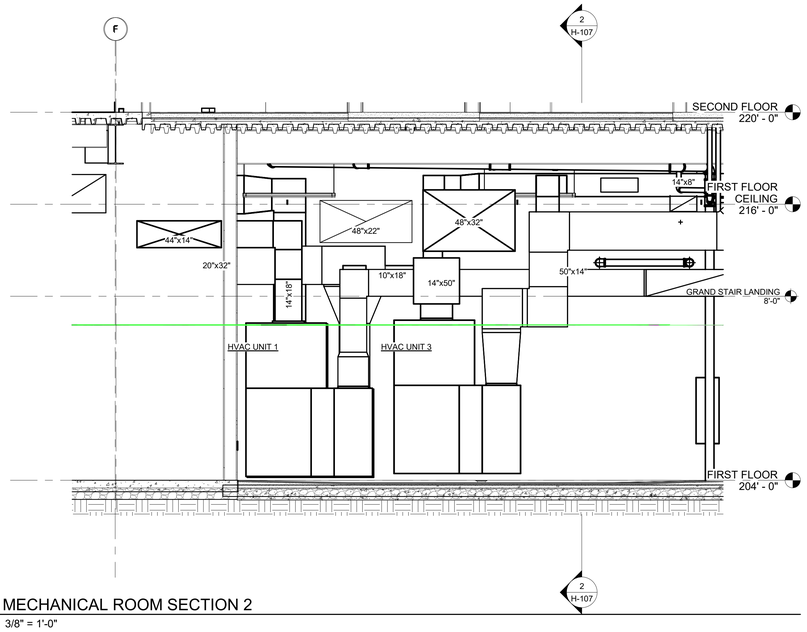


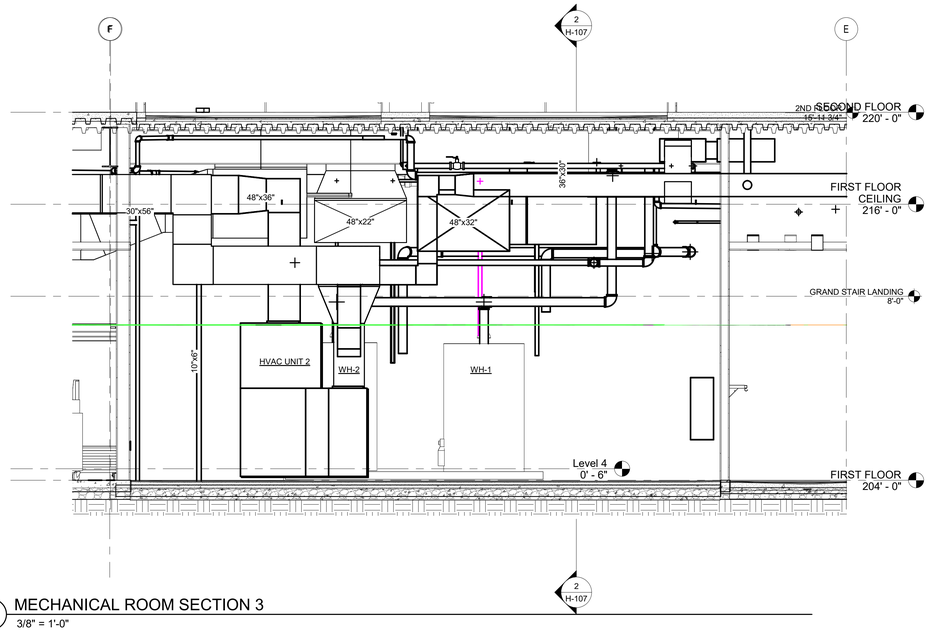
1 MECHANICAL ROOM DUCTWORK PLAN
1/4" = 1'-0"



2 MECHANICAL ROOM SECTION 1
3/8" = 1'-0"



3 MECHANICAL ROOM SECTION 2
3/8" = 1'-0"



4 MECHANICAL ROOM SECTION 3
3/8" = 1'-0"

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD.
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: As indicated
SHEET NAME: MECHANICAL ROOM
SHEET NUMBER: H-107

BID SET

PROJECT NUMBER: 845-627-4700 COPYRIGHT © 2022 KSQ ARCHITECTS, PC

DRAWN BY: AuthorCHECKED BY: Checker
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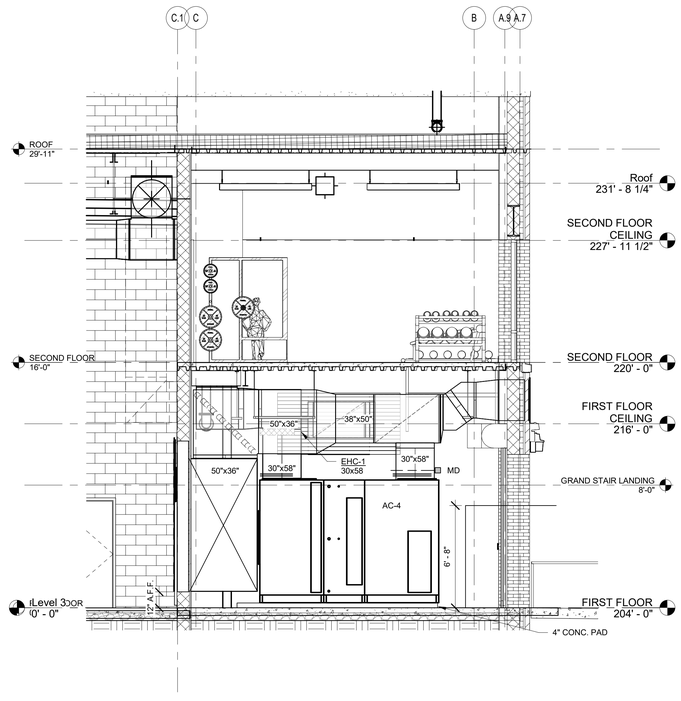
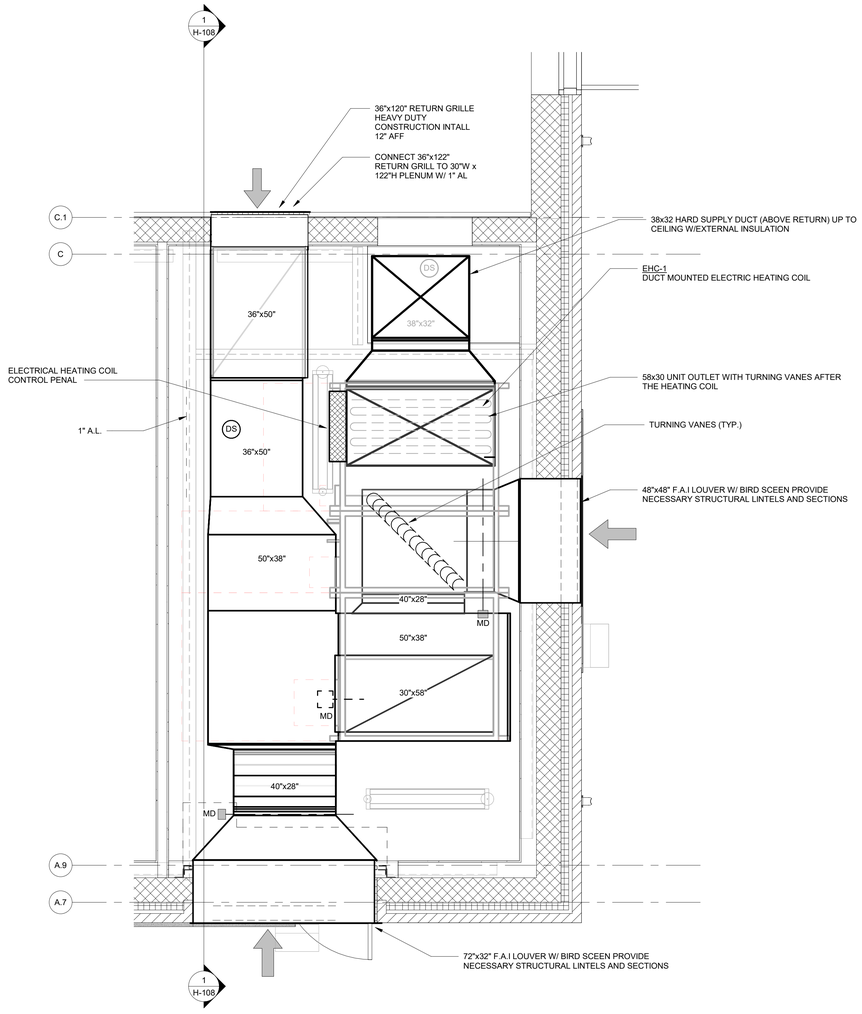


1 FIRST FLOOR GYM MECHANICAL ROOM DUCTWORK DUCTWORK SECTION
1/4" = 1'-0"



2 FIRST FLOOR GYM MECHANICAL ROOM DUCTWORK DUCTWORK DETAIL
1/2" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: As indicated
SHEET NAME: GYM MECHANICAL ROOM
SHEET NUMBER: H-108

BID SET

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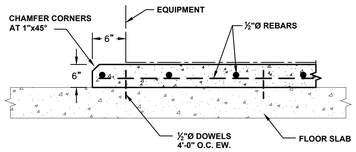

1 CONCRETE PAD DETAIL
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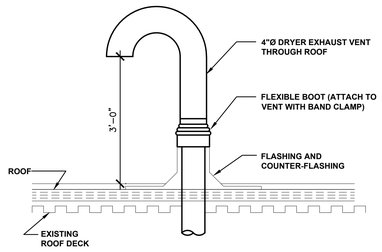
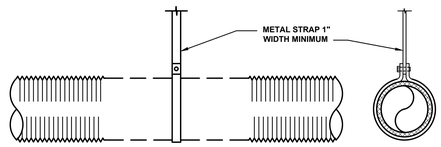


2 DRYER EXHAUST VENT ROOF TERMINATION DETAIL
N.T.S.



NOTES:

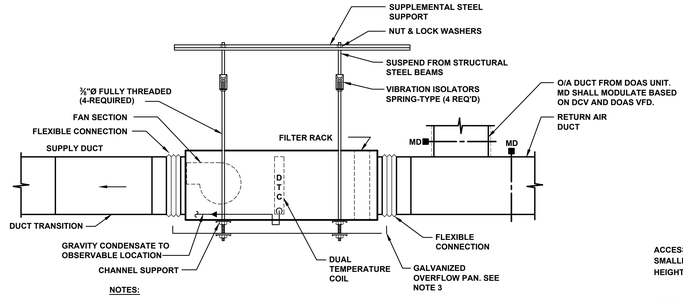
1. DUCT SHOULD EXTEND STRAIGHT FOR A MINIMUM OF 3 DUCT DIAMETERS BEFORE BENDING.
2. SUPPORT SYSTEM MUST NOT BEND DUCT OR CAUSE OUT OF ROUND SHAPE.
3. MAXIMUM SAG 1/2" PER FOOT OR SUPPORT SPACING.
4. 5'-0" MAXIMUM FLEX DUCT LENGTH.

3 FLEX DUCT SUPPORT
N.T.S.

COMMERCIAL DUCT INSULATION SCHEDULE

	FACING	R VALUE INSIDE BUILDING ENVELOPE	R VALUE OUTSIDE BUILDING ENVELOPE
SUPPLY AIR	FSK*	R-6	R-12
RETURN AIR	FSK*	R-6	R-12

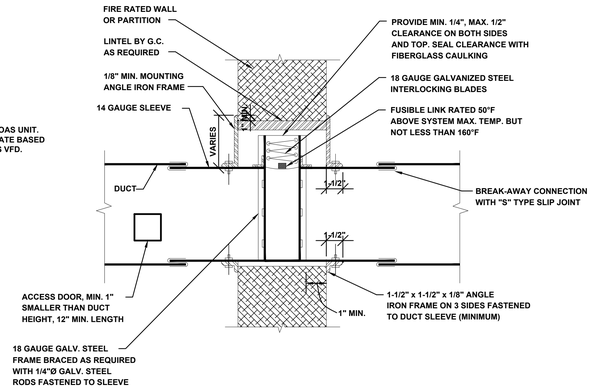
* - FOIL-SCRIM KRAFT



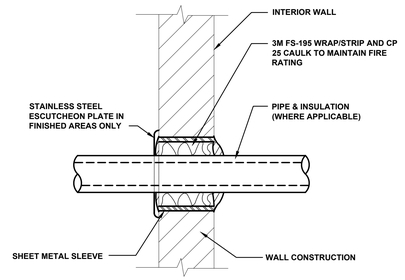
NOTES:

1. TYPICAL FOR INDOOR HORIZONTAL AIR HANDLER.
2. ALL ANCHORS, CLAMPS, BOLTS, CHANNELS, ETC., SHALL BE RATED TO SUPPORT THE OPERATING WEIGHT OF THE SUSPENDED EQUIPMENT.
3. PROVIDE WITH CONDENSATE PUMP THAT SHALL BE EQUIPPED WITH A FLOAT SWITCH TO AUTOMATICALLY STOP UNIT OPERATION. REFER TO SPECIFICATION SECTION 232 81 29/G/3

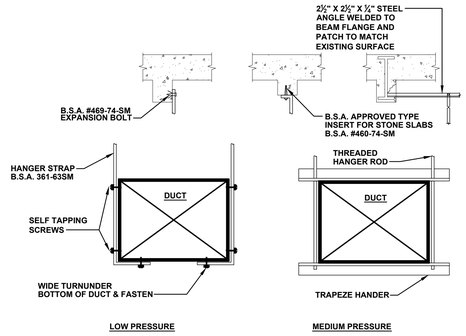
4 HORIZONTAL AIR HANDLING UNIT (FCU) HANGING DETAIL
N.T.S.



5 SHUTTER TYPE FIRE DAMPER FOR FOR LOW PRESSURE SYSTEMS DETAIL
N.T.S.



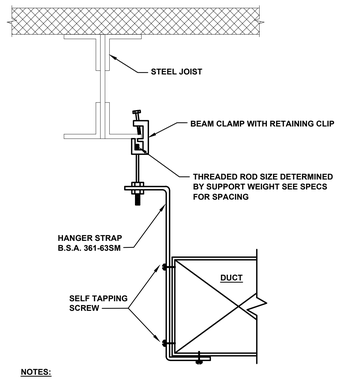
6 RATED WALL PENETRATION DETAIL
N.T.S.



NOTE:

DISTANCE BETWEEN DUCTS HANGERS SHALL BE IN ACCORDANCE WITH M-307.4 BOCA. CODE.

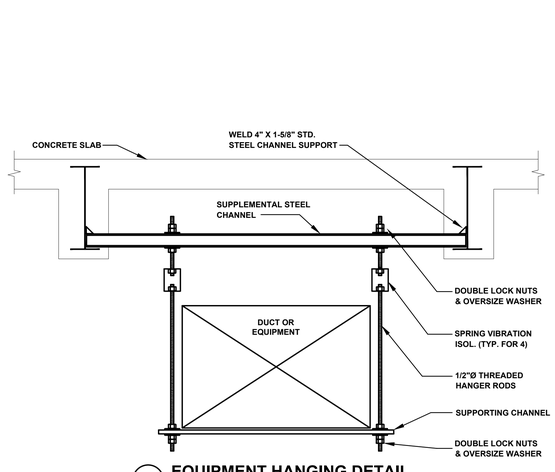
7 METHOD OF HANGING DUCTWORK CONCRETE/WOOD DETAIL
N.T.S.



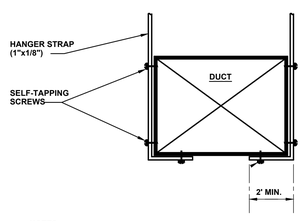
NOTES:

1. DUCTS SHALL NOT BE HUNG FROM OR SUPPORTED BY HUNG CEILING.
2. FOR DUCTS NOT EXCEEDING 2 SQ. FT. IN CROSS-SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1/16".
3. FOR DUCTS LARGER THAN 2 SQ. FT. IN CROSS-SECTIONAL AREA, HANGERS SHALL BE OF METAL NOT LESS THAN 1" BY 1/8".
4. FOR ALL DUCTS, HANGERS SHALL BE TURNED UNDER AND FASTENED TO THE BOTTOM OF DUCT AS SHOWN ABOVE.
5. WHERE CROSS-SECTIONAL AREA OF DUCT EXCEEDS 8 SQ. FT., HANGERS SHALL BE NOT MORE THAN 4 FT. ON CENTER.

8 METHOD OF HANGING DUCTWORK
N.T.S.



9 EQUIPMENT HANGING DETAIL
N.T.S.



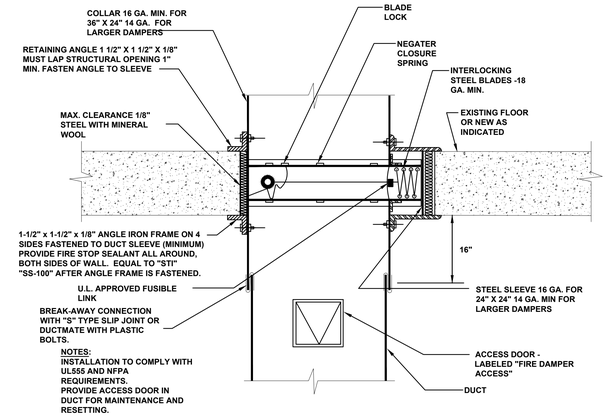
NOTES:

1. PROVIDE BRACING TO LIMIT THE AMPLITUDE OF WALL VIBRATION AND WALL DEFLECTION TO SPECIFIED MAXIMUMS.
2. MINIMUM DUCT SUPPORT REQUIREMENTS:

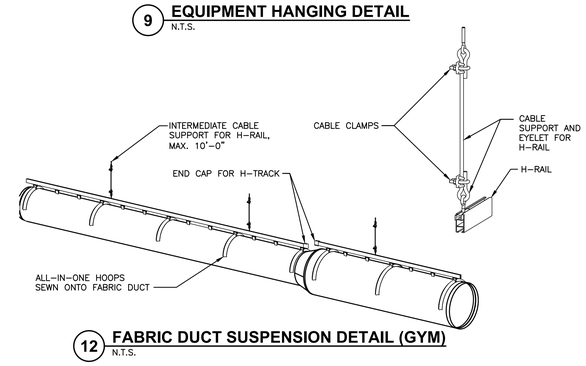
DUCT SIZE (SQ. FT.)	HANGER SIZE (IN.xGA.)	MAX. SPACING (FT.)
<2	1"x20 GA.	8
2<x £4	1"x20 GA.	8
4<x £10	1"x20 GA.	6
10<x	1"x18 GA.	4

3. INSULATION: ALL SUPPLY AIR DUCTWORK SHALL BE INSULATED WITH 1-1/2" FIBERGLASS INSULATION OF 1 LB./C.F. DENSITY AND INTEGRAL VAPOR BARRIER JACKET. ALL EDGES, SEAMS, ETC. SHALL BE TAPED TO MAINTAIN VAPOR BARRIER.
4. ALL EXTERIOR STAINLESS STEEL DUCT SHALL BE SUPPORTED FROM THE BLDG. WALL PER SMACNA STANDARDS.

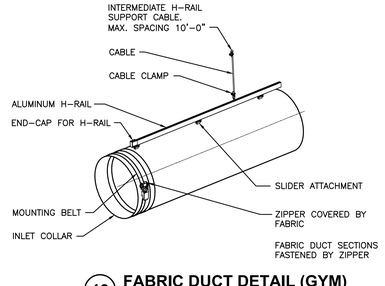
10 DUCT HANGERS/REINFORCEMENT
N.T.S.



TYPE-B HORIZONTAL FIRE DAMPER FOR LOW PRESSURE SYSTEMS DETAIL
N.T.S.



12 FABRIC DUCT SUSPENSION DETAIL (GYM)
N.T.S.



13 FABRIC DUCT DETAIL (GYM)
N.T.S.

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: MECHANICAL DETAILS
SHEET NUMBER: H-701

DRAWN BY: AuthorCHECKED BY: Checker
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PROJECT NUMBER: ###
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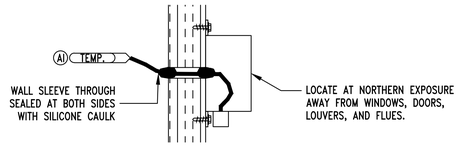
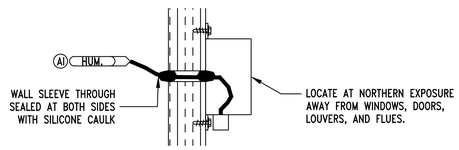
BUILDING AUTOMATION SYSTEM – I/O KEY

(AI)	ANALOG INPUT TO BUILDING AUTOMATION SYSTEM
(AO)	ANALOG OUTPUT FROM BUILDING AUTOMATION SYSTEM
(DI)	DIGITAL INPUT TO BUILDING AUTOMATION SYSTEM
(DO)	DIGITAL OUTPUT FROM BUILDING AUTOMATION SYSTEM
(B)	CONTROL OR MONITORING POINT VIA BACNET COMMUNICATION
AFMS	AIR FLOW MONITORING STATION
TEMP.	TEMPERATURE SENSOR
HUM.	RELATIVE HUMIDITY SENSOR
CO2S	CARBON DIOXIDE SENSOR
DPS	DIFFERENTIAL PRESSURE SWITCH
DPT	DIFFERENTIAL PRESSURE TRANSDUCER
SMOKE	SMOKE DETECTOR
ACT.	MOTORIZED DAMPER ACTUATOR
EN/DIS	MOTOR START/STOP (ENABLE/DISABLE)
RUN IND	MOTOR STATUS (RUN INDICATION)
SPEED	MOTOR SPEED COMMAND
FEED	MOTOR DRIVE SPEED FEEDBACK
U.M.	UNIT MANUFACTURER EQUIPMENT
N.C.	NORMALLY CLOSED DAMPER
N.O.	NORMALLY OPEN DAMPER
B.D.D.	BACKDRAFT (BAROMETRIC) DAMPER
SF	SUPPLY FAN
EF	EXHAUST FAN
ECM	ELECTRONICALLY COMMUTATED MOTOR INTERFACE
VFD	VARIABLE FREQUENCY DRIVE INTERFACE
DX	DIRECT EXPANSION (MECHANICAL) COOLING COIL
HGRH	HOT GAS (BYPASS) REHEAT COIL
HTG	HEATING COIL
VRF	VARIABLE REFRIGERANT FLOW

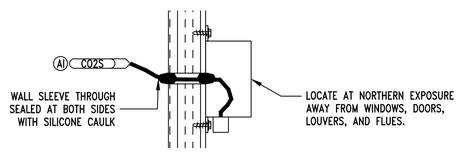
GLOBAL MONITORING POINT: OUTSIDE AIR TEMPERATURE
TYPICAL OF (2) OUTDOOR AIR SENSORS



GLOBAL MONITORING POINT: OUTSIDE AIR RELATIVE HUMIDITY
TYPICAL OF (1) OUTDOOR AIR SENSORS



GLOBAL MONITORING POINT: OUTSIDE AIR CARBON DIOXIDE
TYPICAL OF (1) OUTDOOR AIR SENSORS



GENERAL NOTE:

1. HVAC CONTROLS BY DAY AUTOMATION.

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ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: MECHANICAL DETAILS
SHEET NUMBER: H-702

PROJECT NUMBER: ###
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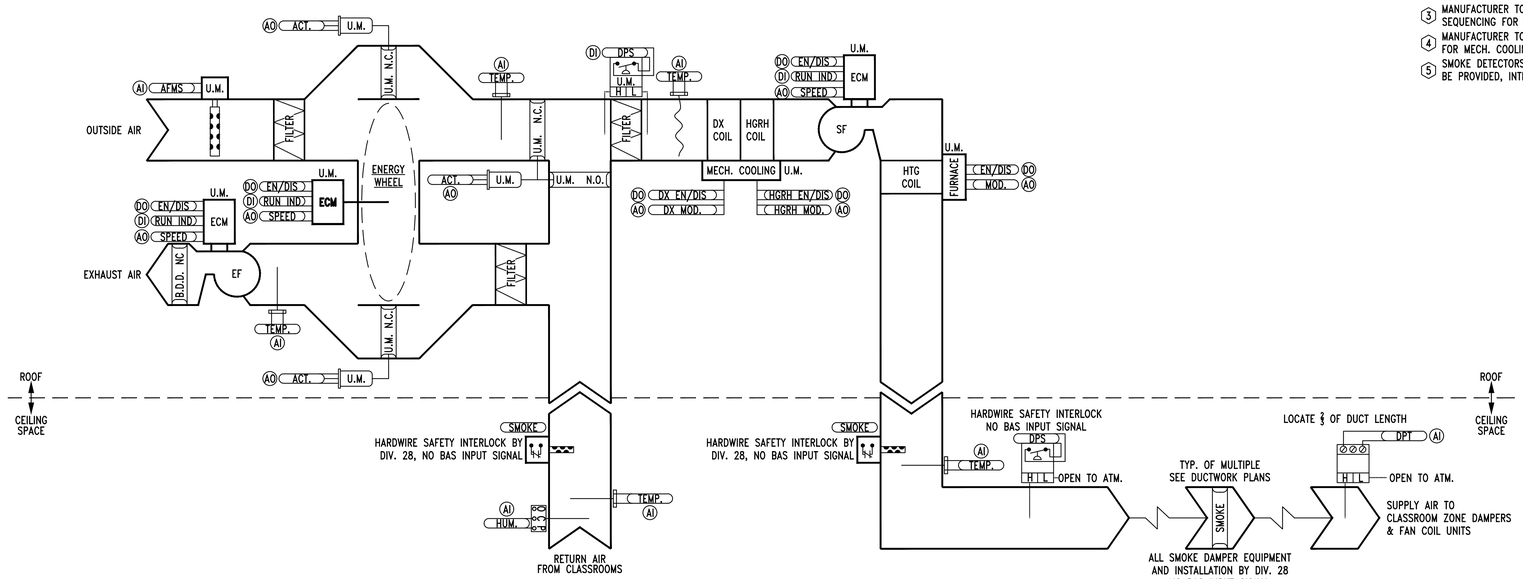
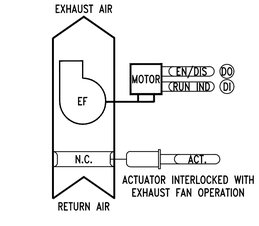
DEDICATED OUTSIDE AIR SUPPLY UNIT FIELD CONTROL DETAILS
SERVING CLASSROOM FAN COIL UNITS



BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES
1. MANUFACTURER TO PROVIDE TERMINAL STRIP FOR INTERFACE WITH MANUFACTURER CONTROL POINTS
2. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR MECHANICAL COOLING EQUIPMENT
3. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR GAS–FIRED HEATING EQUIPMENT
4. MANUFACTURER TO PROVIDE HARDWIRED SAFETIES FOR MECH. COOLING & GAS–FIRED HEATING EQUIPMENT
5. SMOKE DETECTORS AND SMOKE DAMPER ACTUATORS TO BE PROVIDED, INTERLOCKED, AND POWERED BY DIV. 28.

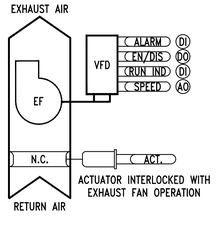
BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES
1. EXHAUST FAN CONTROL DAMPER MAY BE INTERLOCKED WITH FAN MOTOR OPERATION

TOILET EXHAUST CONTROL DETAILS
SERVING TOILETS



BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES
1. EXHAUST FAN CONTROL DAMPER MAY BE INTERLOCKED WITH FAN DRIVE OPERATION

TOILET EXHAUST CONTROL DETAILS
SERVING TOILETS



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JOHN D. FELLENZER, P.E.
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

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DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: MECHANICAL DETAILS
SHEET NUMBER: H-703

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CHECKED BY: JDF
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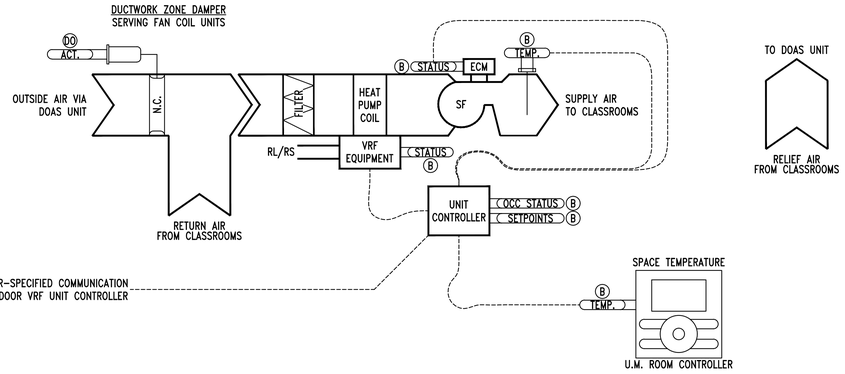
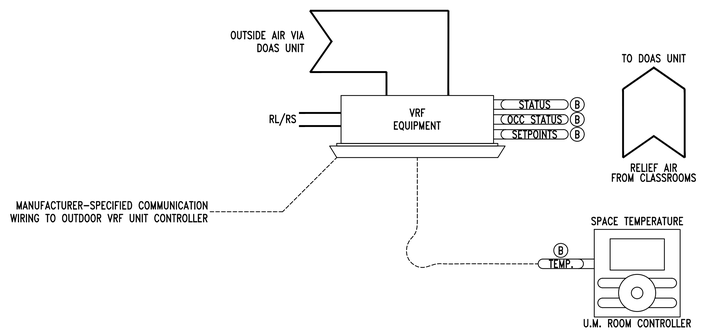
FAN COIL UNIT FIELD CONTROL DETAILS
SERVING CLASSROOMS



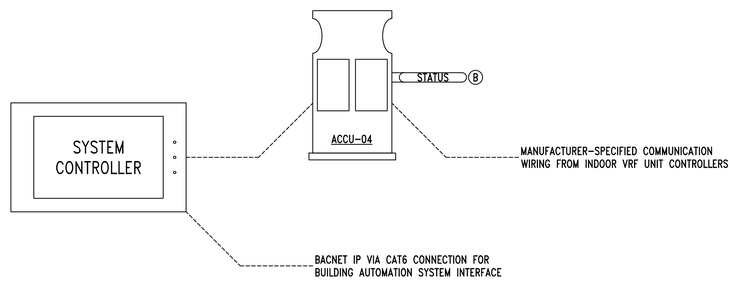
BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES
1. FAN COIL UNIT MANUFACTURER TO PROVIDE AN INTEGRATED UNIT CONTROLLER FOR ALL LOCAL UNIT CONTROL.
2. UNIT CONTROLLER TO BE TIED INTO MANUFACTURER COMMUNICATION NETWORK. MANUFACTURER TO PROVIDE GATEWAY FOR BAS INTEGRATION
3. ZONE VENTILATION DAMPER TO BE CONTROLLED DIRECTLY BY THE BUILDING AUTOMATION SYSTEM.
4. FAN COIL UNIT WITH MANUFACTURER CONTROLS TO BE PROVIDED WITH A LOCAL WALL CONTROLLER.

CEILING CASSETTE UNIT FIELD CONTROL DETAILS
SERVING OFFICES



BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES
1. CEILING CASSETTE UNIT MANUFACTURER TO PROVIDE AN INTEGRATED UNIT CONTROLLER FOR ALL LOCAL UNIT CONTROL.
2. CEILING CASSETTE CONTROLLER TO BE TIED INTO MANUFACTURER COMMUNICATION NETWORK. MANUFACTURER TO PROVIDE GATEWAY FOR BAS INTEGRATION.
3. ZONE VENTILATION DAMPER TO BE MANUAL VOLUME DAMPER SET BY SYSTEM BALANCER AT UNIT STARTUP. NO BUILDING AUTOMATION SYSTEM INTEGRATION.
4. CEILING CASSETTE UNIT WITH MANUFACTURER CONTROLS TO BE PROVIDED WITH A LOCAL WALL CONTROLLER.

OUTDOOR VRF UNIT FIELD CONTROL DETAILS
SERVING VRF SYSTEM



BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES
1. OUTDOOR VRF UNIT MANUFACTURER TO PROVIDE AN INTEGRATED UNIT CONTROLLER FOR ALL LOCAL UNIT CONTROL.
2. OUTDOOR VRF CONTROLLER TO BE TIED INTO MANUFACTURER COMMUNICATION NETWORK. MANUFACTURER TO PROVIDE GATEWAY FOR BAS INTEGRATION.

GENERAL NOTE:
1. HVAC CONTROLS BY DAY AUTOMATION.

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NO. 085731-1
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
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REVISIONS

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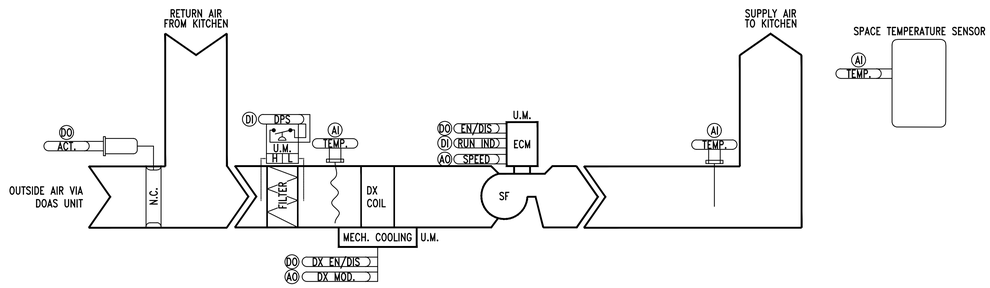
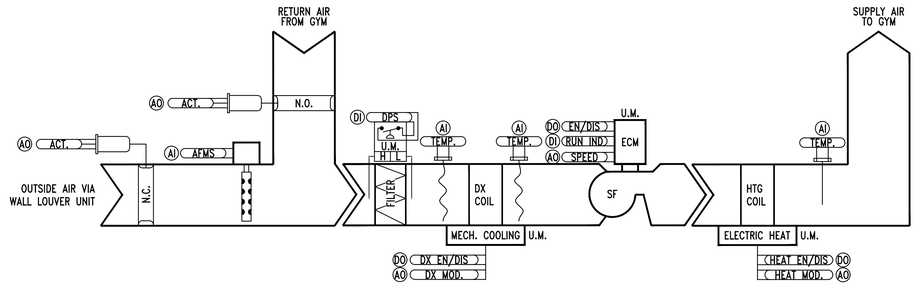
AIR CONDITIONING UNIT FIELD CONTROL DETAILS
SERVING KITCHEN SPACES

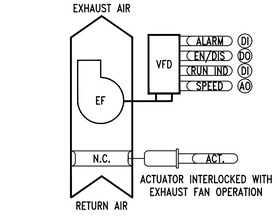


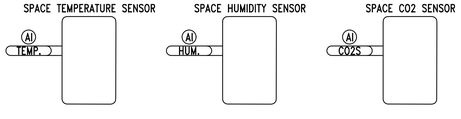
BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES
1. MANUFACTURER TO PROVIDE TERMINAL STRIP FOR INTERFACE WITH MANUFACTURER CONTROL POINTS
2. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR MECHANICAL COOLING EQUIPMENT
3. MANUFACTURER TO PROVIDE HARDWIRED SAFETIES FOR MECH. COOLING EQUIPMENT
4. SMOKE DETECTORS AND SMOKE DAMPER ACTUATORS TO BE PROVIDED, INTERLOCKED, AND POWERED BY DIV. 28.
5. ZONE VENTILATION DAMPER TO BE CONTROLLED DIRECTLY BY THE BUILDING AUTOMATION SYSTEM

AIR CONDITIONING UNIT FIELD CONTROL DETAILS
SERVING GYMNASIUM



EXHAUST FAN, EF-01 CONTROL DETAILS
SERVING GYMNASIUM





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2. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR MECHANICAL COOLING EQUIPMENT
3. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR ELECTRIC HEATING EQUIPMENT
4. MANUFACTURER TO PROVIDE HARDWIRED SAFETIES FOR MECH. COOLING & ELECTRIC HEATING EQUIPMENT
5. SMOKE DETECTORS AND SMOKE DAMPER ACTUATORS TO BE PROVIDED, INTERLOCKED, AND POWERED BY DIV. 28.
6. ZONE VENTILATION DAMPER TO BE CONTROLLED DIRECTLY BY THE BUILDING AUTOMATION SYSTEM

GENERAL NOTE:

1. HVAC CONTROLS BY DAY AUTOMATION.

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65 PARROT RD,
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REVISIONS

No.	Description	Date

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SHEET NUMBER: H-705

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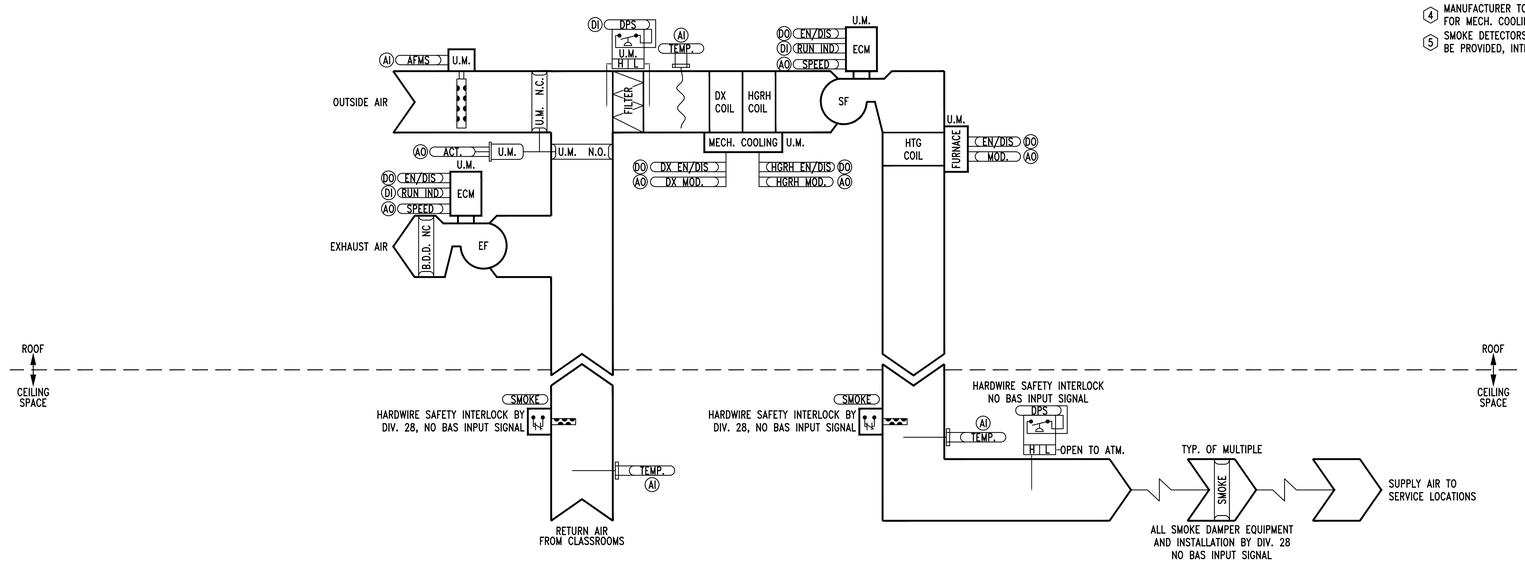
ROOFTOP UNIT FIELD CONTROL DETAILS
SERVING LARGE SPACES



BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES

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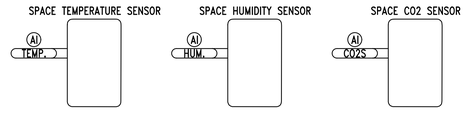
2. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR MECHANICAL COOLING EQUIPMENT
3. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR GAS-FIRED HEATING EQUIPMENT
4. MANUFACTURER TO PROVIDE HARDWIRED SAFETIES FOR MECH. COOLING & GAS-FIRED HEATING EQUIPMENT
5. SMOKE DETECTORS AND SMOKE DAMPER ACTUATORS TO BE PROVIDED, INTERLOCKED, AND POWERED BY DIV. 28.



GENERAL NOTE:

1. HVAC CONTROLS BY DAY AUTOMATION.

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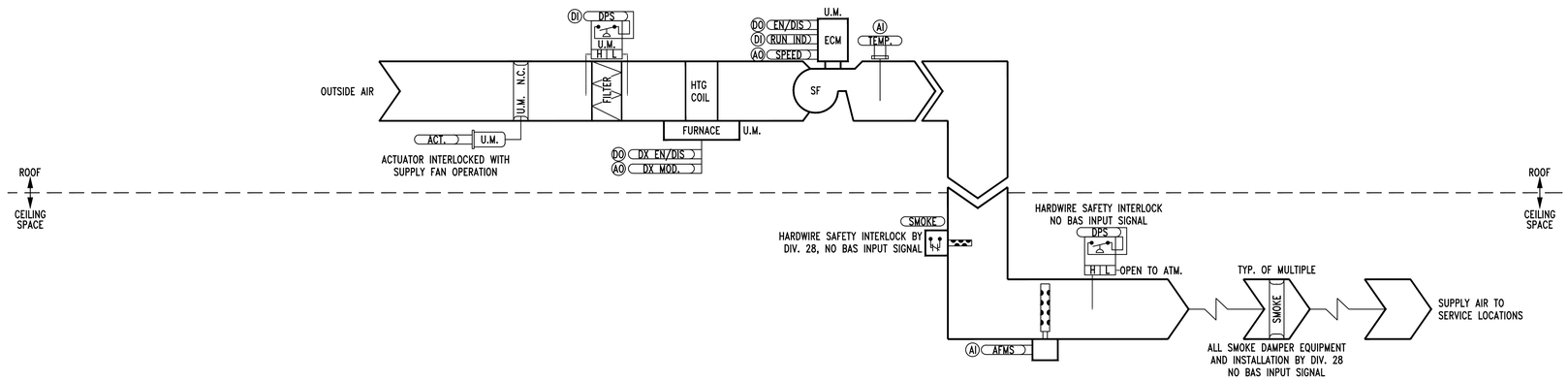
SINGLE MAKEUP AIR UNIT, FIELD CONTROL DETAILS
SERVING KITCHEN SPACES



BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES

1. MANUFACTURER TO PROVIDE TERMINAL STRIP FOR INTERFACE WITH MANUFACTURER CONTROL POINTS
2. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR GAS-FIRED HEATING EQUIPMENT
3. MANUFACTURER TO PROVIDE HARDWIRED SAFETIES FOR GAS-FIRED HEATING EQUIPMENT
4. SMOKE DETECTORS AND SMOKE DAMPER ACTUATORS TO BE PROVIDED, INTERLOCKED, AND POWERED BY DIV. 28.

GENERAL NOTE:

1. HVAC CONTROLS BY DAY AUTOMATION.

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REVISIONS

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SHEET NUMBER: H-707

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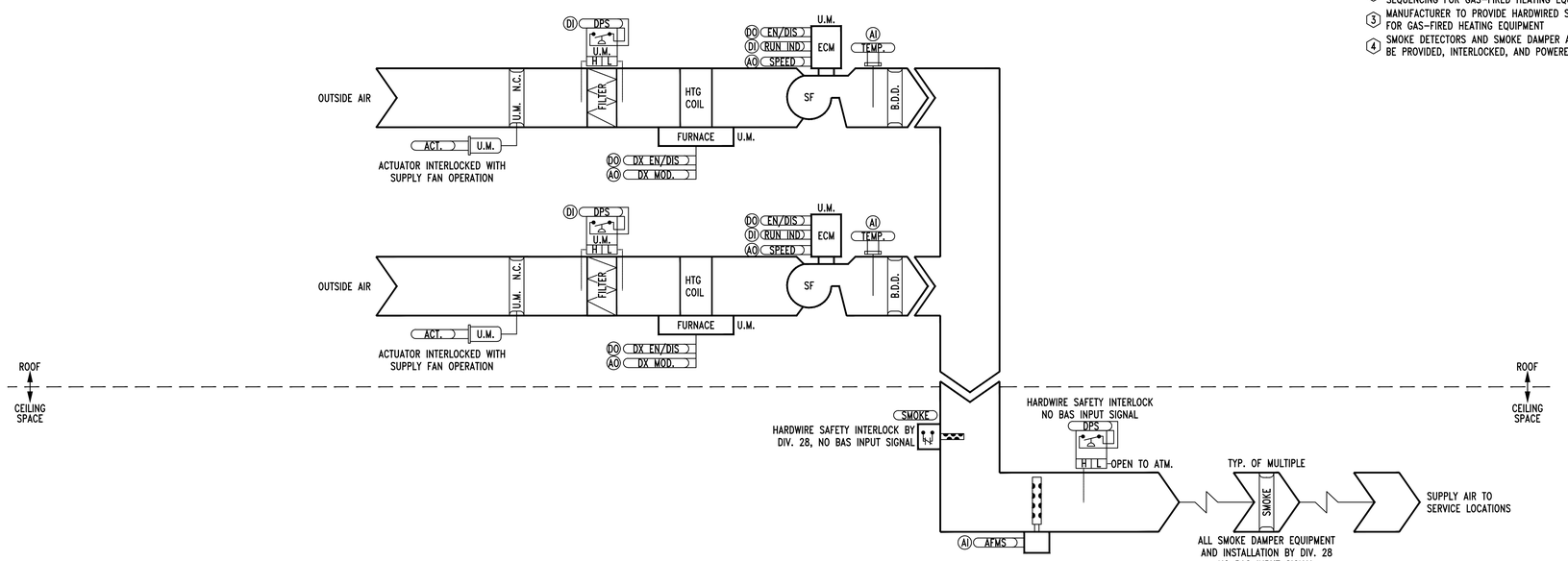
DUAL MAKEUP AIR UNIT, FIELD CONTROL DETAILS
SERVING KITCHEN SPACES



BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES

1. MANUFACTURER TO PROVIDE TERMINAL STRIP FOR INTERFACE WITH MANUFACTURER CONTROL POINTS
2. MANUFACTURER TO PROVIDE DIRECT CONTROL AND SEQUENCING FOR GAS-FIRED HEATING EQUIPMENT
3. MANUFACTURER TO PROVIDE HARDWIRED SAFETIES FOR GAS-FIRED HEATING EQUIPMENT
4. SMOKE DETECTORS AND SMOKE DAMPER ACTUATORS TO BE PROVIDED, INTERLOCKED, AND POWERED BY DIV. 28.

GENERAL NOTE:

1. HVAC CONTROLS BY DAY AUTOMATION.

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NY PROFESSIONAL ENGINEER
NO. 085731-1
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

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ISSUED: BID SET ISSUANCE
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SHEET NUMBER: H-708

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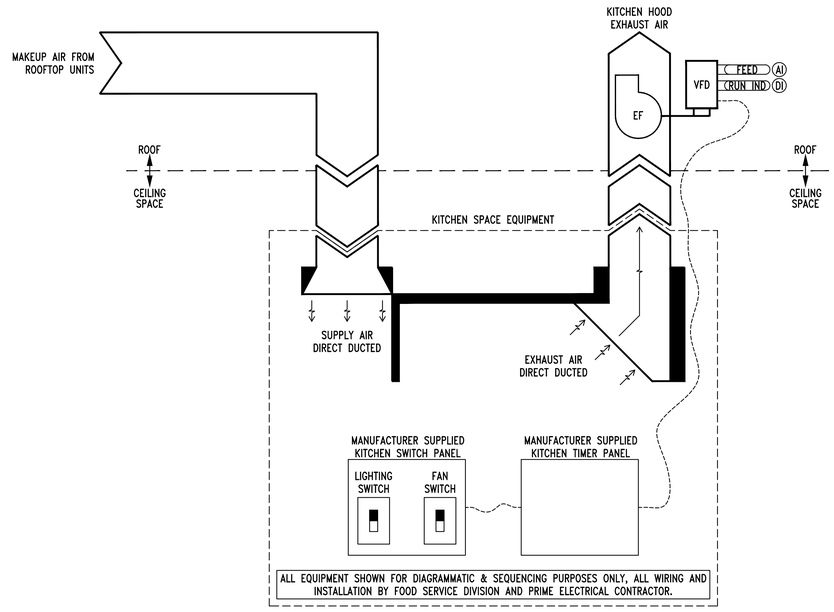
KITCHEN EXHAUST FAN FIELD CONTROL DETAILS
SERVING KITCHEN EQUIPMENT AND SPACES



BUILDING AUTOMATION SYSTEM – I/O GENERAL NOTES

1. KITCHEN HOOD EQUIPMENT MANUFACTURER TO PROVIDE USER INTERFACES FOR EXHAUST FAN CONTROL.
2. KITCHEN HOOD EQUIPMENT MANUFACTURER TO PROVIDE TERMINAL STRIP FOR EXHAUST FAN CONTROL.
3. SMOKE DETECTORS AND SMOKE DAMPER ACTUATORS TO BE PROVIDED, INTERLOCKED, AND POWERED BY DIV. 28.
4. KITCHEN EXHAUST FAN DIRECTLY CONTROLLED BY UNIT CONTROL PANEL PROVIDED BY FOOD SERVICE DIVISION.
5. EXHAUST FAN MONITORING POINTS FOR BUILDING AUTOMATION SYSTEM BY CONTROLS CONTRACTOR. ALL OTHER INSTALLATION AND WIRING BY DIV. 26.

GENERAL NOTE:

1. HVAC CONTROLS BY DAY AUTOMATION.

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

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WEST NYACK, NY 10994

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SHEET NUMBER: H-709

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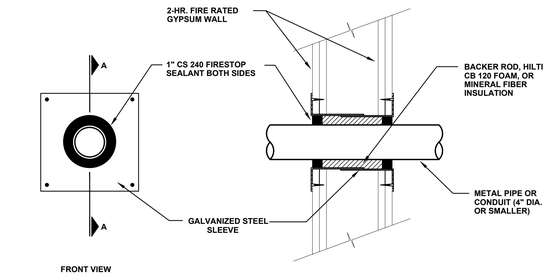

NOTE: IF MINERAL FIBER INSULATION IS USED AS THE BACKING MATERIAL, SEALANT DEPTH MAY BE REDUCED TO 1/2".

ALL SURFACES SHOULD BE CLEANED, SOUND AND DRY PRIOR TO APPLICATION OF FIRESTOPPING MATERIALS. IF THE OPENING IS NOT SLEEVED, INSTALL A GALVANIZED STEEL SLEEVE AROUND THE PIPE AND ANCHOR IT IN PLACE.

INSTALL BACKER ROD, CB 120 FOAM, OR PACK MINERAL WOOL BETWEEN THE PIPE SLEEVE, LEAVING APPROPRIATE SPACE ON EACH SIDE OF THE WALL FOR THE FIRESTOP SEALANT.

APPLY THE REQUIRED DEPTH OF CS 240 FIRESTOP SEALANT TO BOTH SIDES OF THE WALL AND TOOL IT WITH A PUTTY KNIFE UNTIL FLUSH WITH THE SURFACE. LEAVE COMPLETE SEAL UNDISTURBED FOR 48 HOURS.

1 FIREWALL PENETRATION DETAIL
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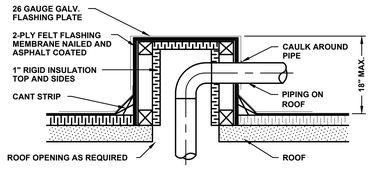

2 PIPING THROUGH ROOF
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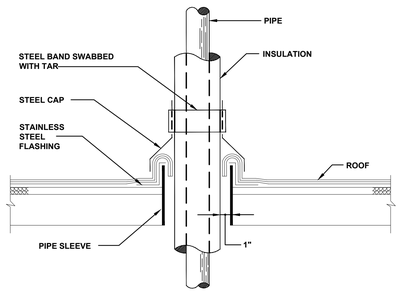

3 DETAIL OF INSULATED PIPE THRU ROOF
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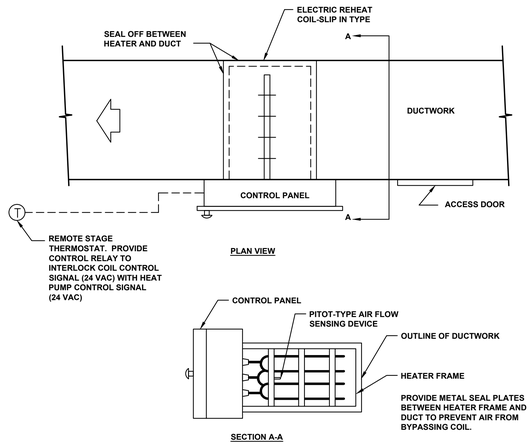

4 ELECTRIC DUCT REHEAT COIL
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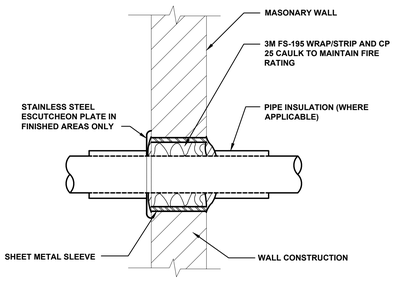

5 RATED WALL PENETRATION DETAIL FOR MASONARY WALL
N.T.S.

6 TYPICAL ROOFTOP UNIT DETAIL
N.T.S.

7 LINEAR DIFFUSER DETAIL
N.T.S.

8 GAS FIRED ROOFTOP UNIT DETAIL FOR SCHOOLS
N.T.S.

9 SMOKE DAMPER DETAIL
N.T.S.

NOTES:

1. CLEAN-OUT DOORS SHALL BE MINIMUM 12" AND PRESSURE RATED, WITH RATED GASKET AND INSTALLED AT EVERY DUCT TURN AND EVERY 20'-0" OF HORIZONTAL RUN.
2. KITCHEN EXHAUST DUCTWORK CONSTRUCTION TO BE 16 GA BLACK IRON STEEL, OR 18 GA STAINLESS STEEL.

CLEANOUT ACCESS PANEL FOR KITCHEN EXHAUST DUCTWORK SYSTEMS
10 N.T.S.

11 CHEMISTRY LAB FUME HOOD
N.T.S.

12 EXHAUST FAN STACK DETAIL
N.T.S.

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SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: MECHANICAL DETAILS
SHEET NUMBER: H-710

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CHECKED BY: JDF/MW
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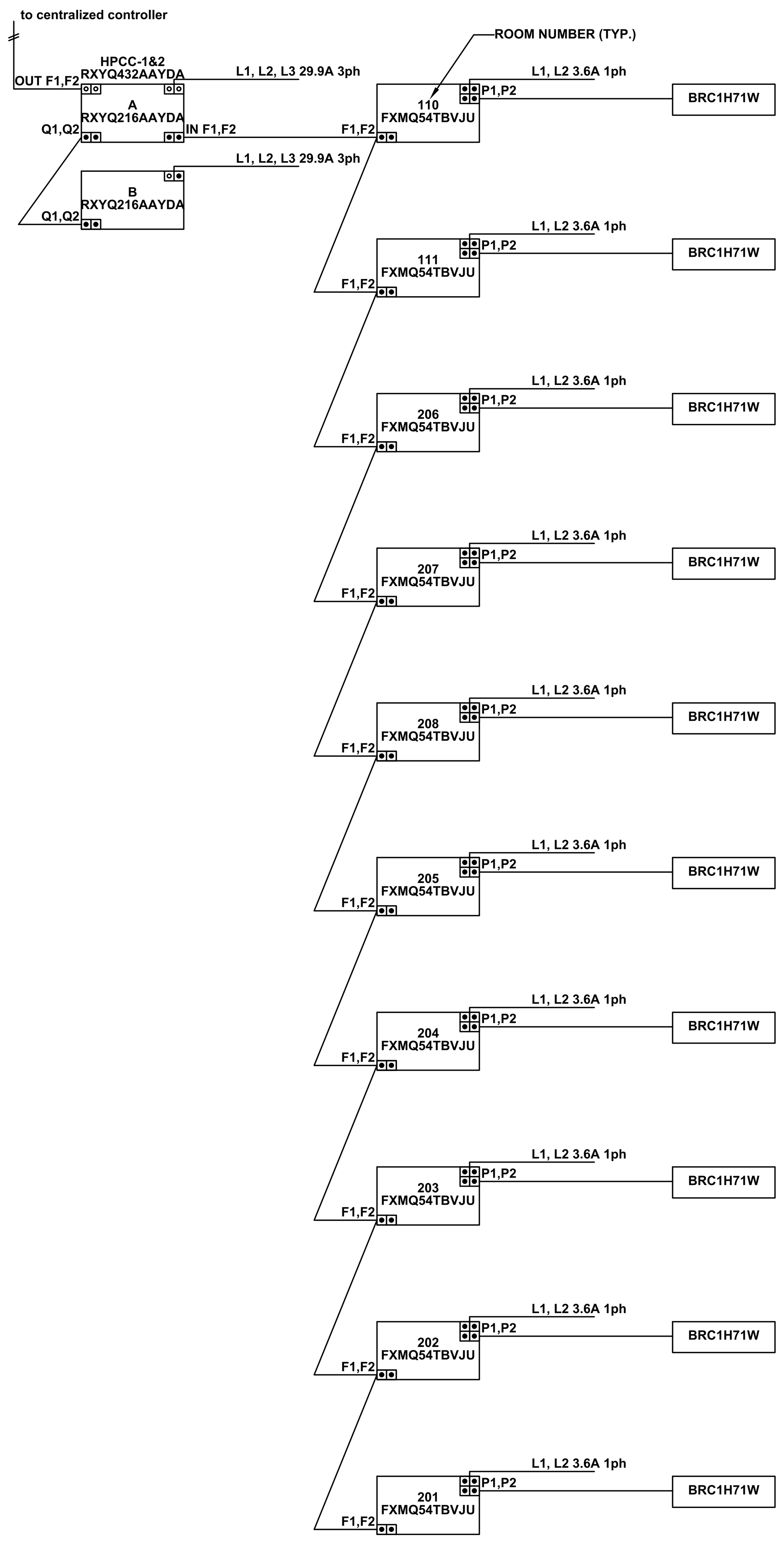
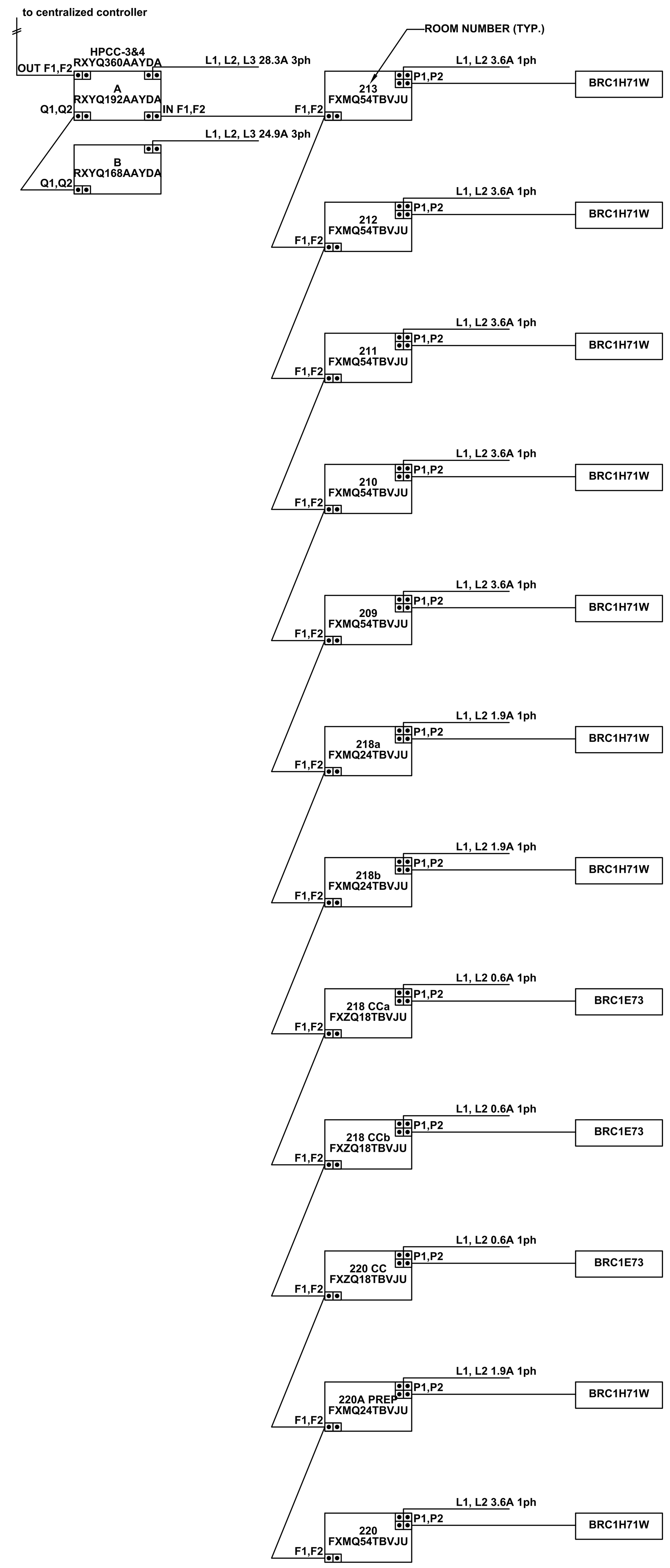
1 CONTROLLER WIRING SCHEMATICS CONTROL GROUP

N.T.S.



2 WIRING SCHEMATICS HPCC-1&2

N.T.S.



3 WIRING SCHEMATICS HPCC-3&4

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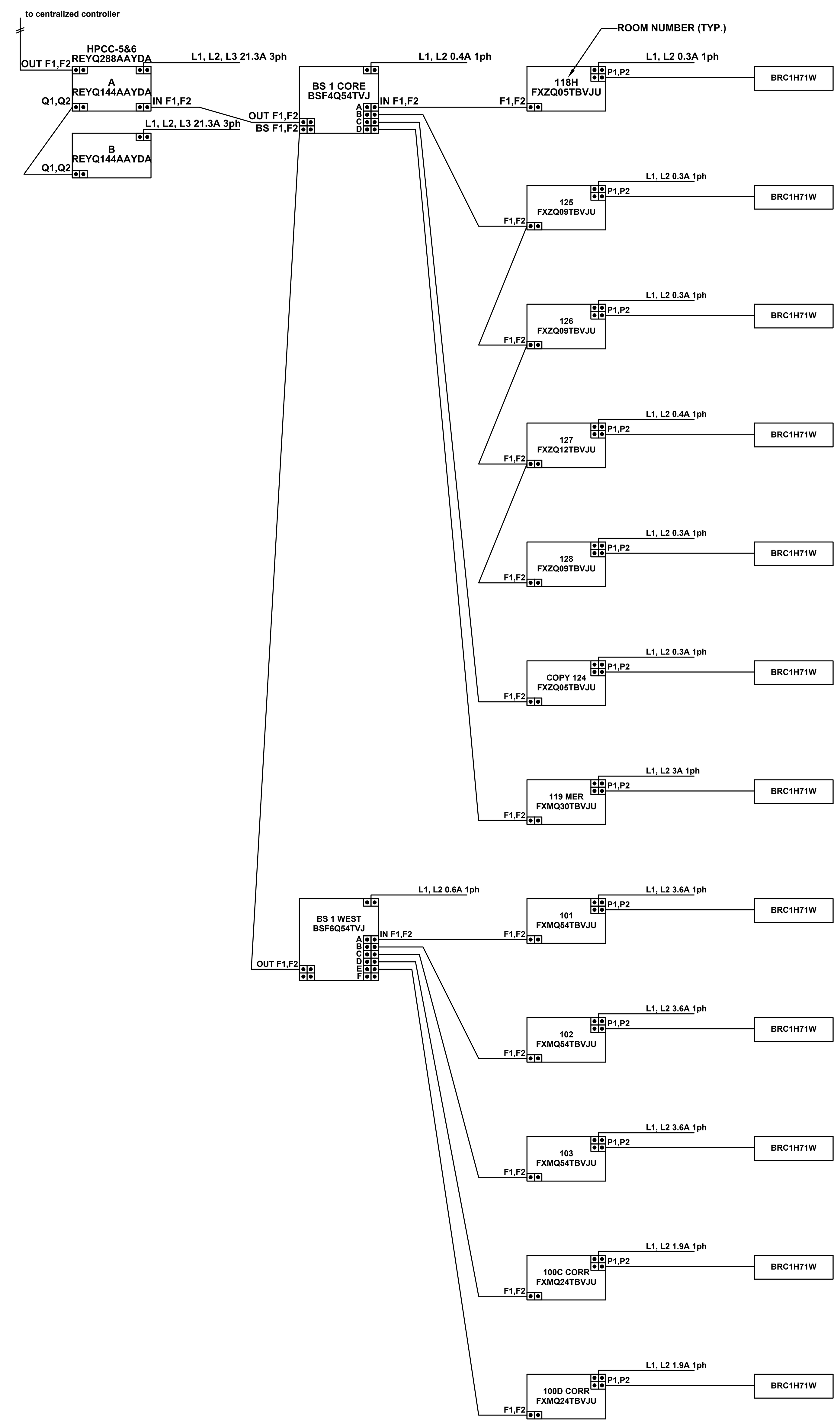

4 WIRING SCHEMATICS HPCC-5&6

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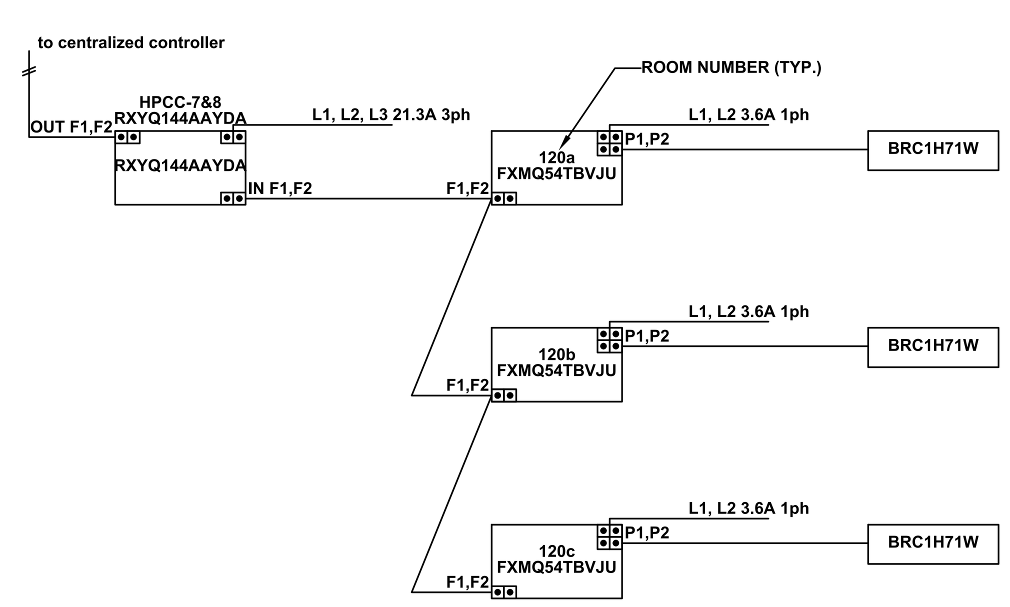

5 WIRING SCHEMATICS HPCC-7&8

N.T.S.

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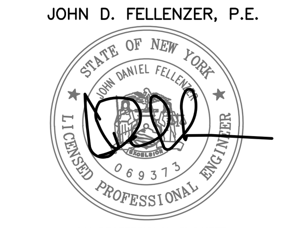

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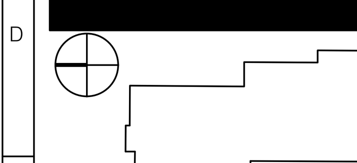

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No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: MECHANICAL DETAILS
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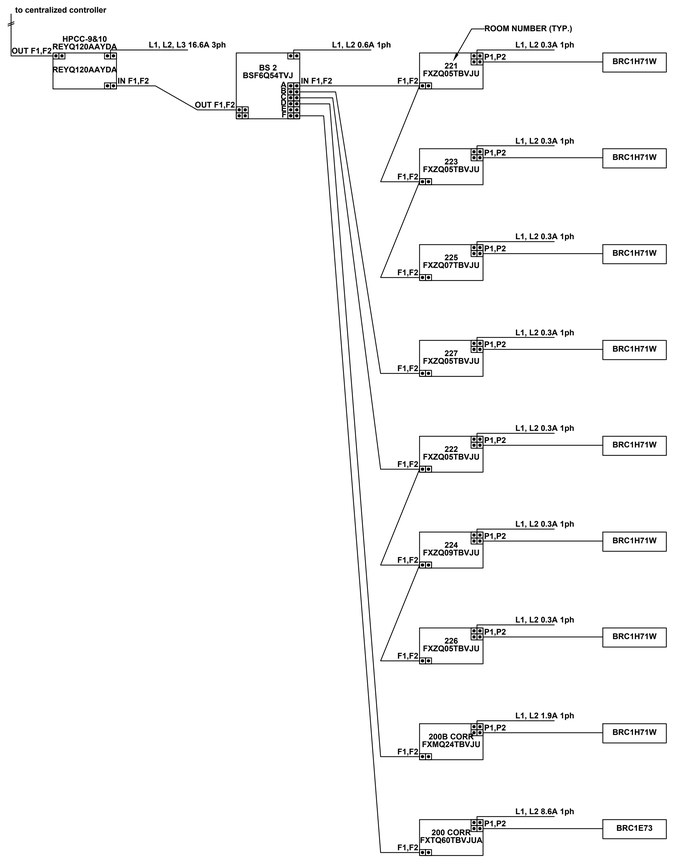

WIRING SCHEMATICS
1 HPCC-9&10
N.T.S.

CONTROLLER WIRING SCHEMATICS
2 CONTROL GROUP
N.T.S.

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H-712

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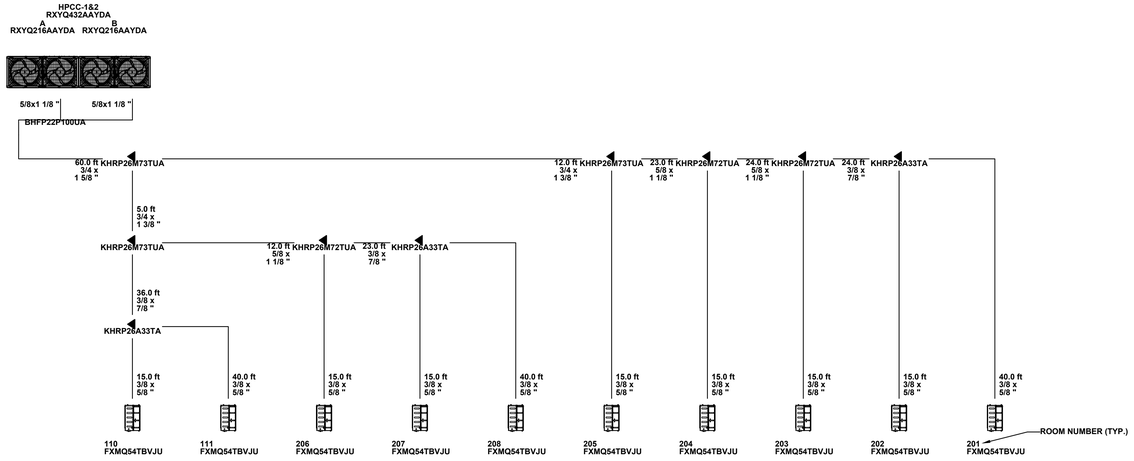

1 PIPING SCHEMATICS HPCC-1&2

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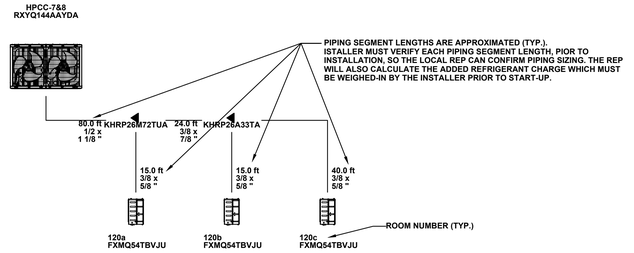

4 PIPING SCHEMATICS HPCC-7&8

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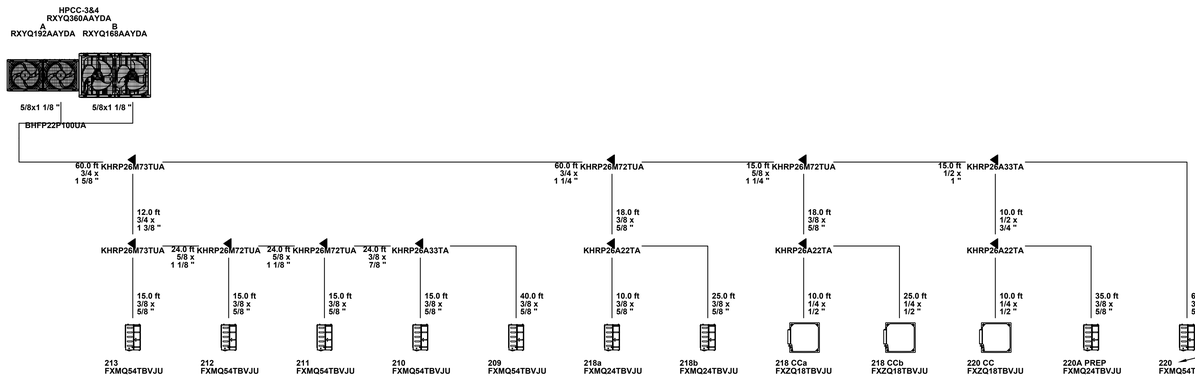

2 PIPING SCHEMATICS HPCC-3&4

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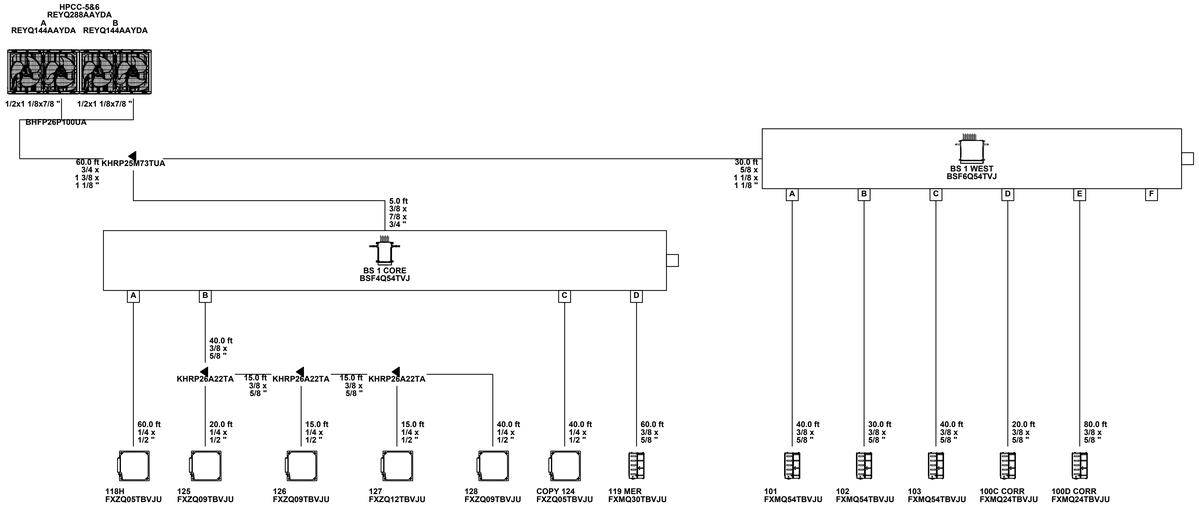

3 PIPING SCHEMATICS HPCC-5&6

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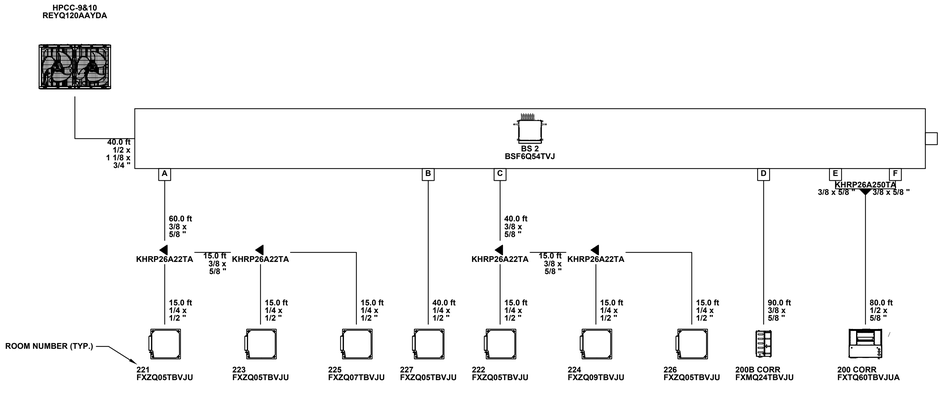

5 PIPING SCHEMATICS HPCC-9&10

N.T.S.

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SHEET NAME:
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SHEET NUMBER:
H-713

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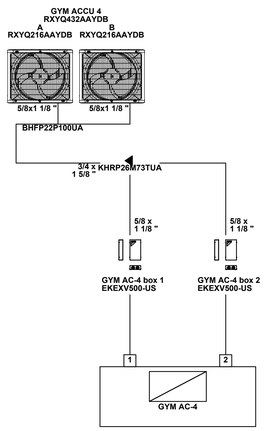

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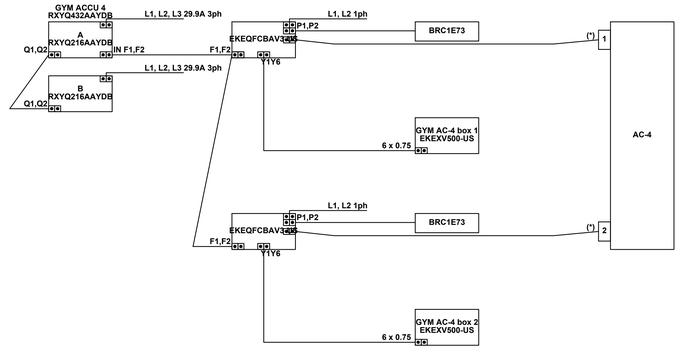

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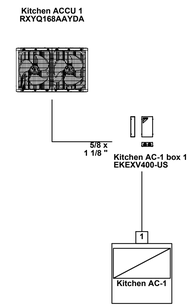

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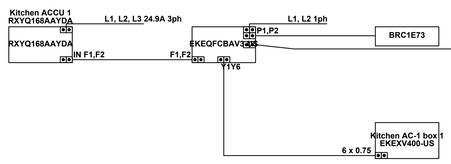

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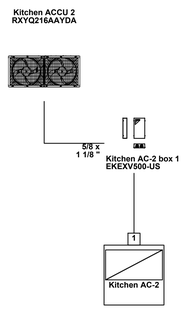

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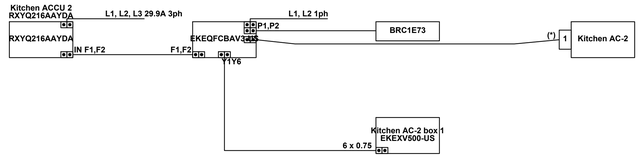

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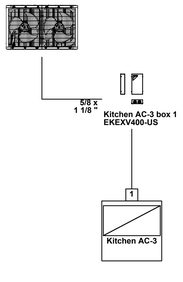

7 PIPING SCHEMATICS KITCHEN ACCU-3
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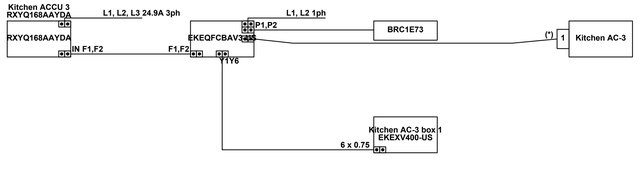

8 WIRING SCHEMATICS KITCHEN ACCU-3
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SED #: 50-90-00-00-0-044-001

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

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SHEET NAME:
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SHEET NUMBER:
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AIR HANDLING UNIT SCHEDULE

Unit								Panel Filter				EHC-1 Electric Heat						DX Coil										Supply Fan										
Tag	Basis of Design	ASSOCATED OUTDOOR UNIT	Supply Air CFM	Outdoor Air CFM	Length (in)	External Dimensions Height (in)	External Dimensions Width (in)	Weight (lb)	Type	Filter Qty - Sizes	Depth (in)	Mean APD (inH2O)	Voltage (V)	Control Type	Disconnect	Control Signal	kW	Air Temperature Rise °F	Total Capacity (Btu/hr)	Sensible Capacity (Btu/hr)	EAT-DB °F	EAT-WB °F	LAT-DB °F	LAT-WB °F	Face Velocity (ft/min)	A.P.D. (inH2O)	Sat. Suct. Temp. °F	Rows	FPI	HP Heating Capacity (Btu/hr)	Heating EAT °F	Heating LAT °F	AIR FLOW (CFM) FOR 90°F LAT	Daikin ACCU	Type	Class	Airflow (CFM)	RPM	BHP	E.S.P. (inH2O)	T.S.P. (inH2O)	Voltage	Power (HP)	RPM	FLA	Control
Kitchen AC-1	CAH012GDAM	ACCU-1	5060	574	66	46	56	1564	Pre Pleat (MERV 13)	4 - 20.00 x 24.00	2	0.63	-	-	-	-	-	-	168231	122347	77	64	54.9	52.7	471	0.61	43	6	7	110,221	63	83.1	3793	RXYQ168AAYDA	FC15	2	5060	1125	3.69	1.5	2.68	460/60/3	5	1750	6.6	Danfoss Soft Start VFD with Disconnect Factory Installed
Kitchen AC-2	CAH014GDAM	ACCU-2	6020	600	74	54	56	1828	Pre Pleat (MERV 13)	4 - 24.00 x 24.00	2	0.63	-	-	-	-	-	-	221109	156966	77	64	53.2	51.3	480	0.76	43	8	6	138,325	63	84.2	4798	RXYQ216AAYDA	FC15	2	6020	1171	4.85	1.25	2.83	460/60/3	7.5	1750	9.8	Danfoss Soft Start VFD with Disconnect Factory Installed
Kitchen AC-3	CAH012GDAM	ACCU-3	5220	520	66	46	56	1564	Pre Pleat (MERV 13)	4 - 20.00 x 24.00	2	0.64	-	-	-	-	-	-	171664	125203	77	64	55.1	52.8	486	0.64	43	6	7	110,211	63	82.5	3798	RXYQ168AAYDA	FC15	2	5220	1135	3.89	1.25	2.71	460/60/3	5	1750	6.6	Danfoss Soft Start VFD with Disconnect Factory Installed
Gym AC-4	CAH028GDGM	ACCU-4	12620	2236	196	90" plus 6" baserail	70" With baserail feet	5593	Pre Pleat (MERV 13)	9 - 20.00 x 20.00 3 - 24.00 x 20.00	2	0.62	480	Vernier SCR	Y	0 - 10V	80	20.2	465408	328250	76.7	63.8	53.8	51.9	475	0.67	43	6	8	282,700	60.0	80.6	-	RXYQ432AAYDB	DDPL 30-12BL	2	12620	1259	10.7	2	3.47	460/60/3	15	1160	20.5	Danfoss Soft Start VFD with Disconnect Factory Installed

NOTE:
1. GYM AC-4 ELECTRIC HEATING COIL TO BE DUCT MOUNTED - DUCT SIZE IS 58x30 - MANUFACTURE BY INDEECO

VARIABLE REFRIGERANT VOLUME - INDOOR UNIT SCHEDULE

TAG	QTY	BASIS OF DESIGN MODEL (DAIKIN)	NOMINAL TONNAGE	TYPE	SUPPLY FAN High Speed AIR FLOW RATE cfm	SUPPLY FAN MIN. OUTSIDE AIR FLOW CFM	COOLING CAPACITY TOTAL BTU/h	COOLING CAPACITY SENSIBLE BTU/h	COOLING CAPACITY ENTERING AIR °F DB	COOLING CAPACITY ENTERING AIR °F WB	HEATING CAPACITY TOTAL BTU/h	HEATING CAPACITY ENTERING AIR °Fdb	ELECTRICAL POWER SUPPLY Voltage - Phase	ELECTRICAL Min Circuit Amps MCA	ELECTRICAL Max Overcurrent Protection MOP	DIMENSIONS WxHxD inch	WEIGHT Net lbs
(FCU-2) 218a, 218b, 220a Prep, 100c Corr, 100d Corr, 200b Corr	6	FXMQ24TBVJU	2.0	HSP Concealed Ducted Unit (High Static)	742	130	22,211	15,242	76.5	64.4	29,173	64.0	208-230V 1ph	1.9	15.0	39.4 x 9.6 x 31.5	81.6
(FCU-2) 119 MER	1	FXMQ30TBVJU	2.5	HSP Concealed Ducted Unit (High Static)	1,095	130	27,918	20,179	76.5	64.4	36,759	64.0	208-230V 1ph	3.0	15.0	55.1 x 9.6 x 31.5	101.4
FCU-1	22	FXMQ54TBVJU	4.5	HSP Concealed Ducted Unit (High Static)	1,519	336	53,116	37,441	76.5	64.4	68,498	64.0	208-230V 1ph	3.6	15.0	61.0 x 9.6 x 31.5	114.6
FCU-3	1	FXMQ48	3	HSP Concealed Ducted Unit (High Static)	1377	216	44,609	31,104	76.5	64.4	58,571	64	208-230V 1ph	3.6	15	55.1 x 9.6 x 31.5	103.6
CC-1	7	FXZQ05TBVJU	0.5	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	300	40	5,209	4,275	76.5	64.4	7,165	64.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
CC-2 (FC-225)	1	FXZQ07TBVJU	0.6	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	307	40	6,915	5,200	76.5	64.4	9,213	64.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
CC-3	4	FXZQ09TBVJU	0.8	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	317	40	8,666	5,937	76.5	64.4	11,601	64.0	208-230V 1ph	0.3	15.0	22.6 x 10.2 x 22.6	35.3
CC-4 (FC-127)	1	FXZQ12TBVJU	1.0	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	353	40	11,055	7,247	76.5	64.4	14,672	64.0	208-230V 1ph	0.4	15.0	22.6 x 10.2 x 22.6	36.4
CC-5	3	FXZQ18TBVJU	1.5	4-Way Discharge Ceiling Cassette Vista (2' x 2') white	511	40	16,308	11,560	76.5	64.4	21,608	64.0	208-230V 1ph	0.6	15.0	22.6 x 10.2 x 22.6	41.9
FCU-4 FC-200 CORR	1	FXTQ60TBVJUA	5.0	Multi Position Air Handler	1,800	452	54,448	36,692	76.5	64.4	75,919	64.0	208-230V 1ph	8.6	15.0	24.5 x 58.0 x 21.0	166.9

NOTES:
1. PROVIDE UNIT WITH DISCONNECT SWITCH.
2. PROVIDE UNIT WITH THROWAWAY FILTER.
3. BACNET PANEL TO BE WIRED TO THE HPCC UNITS AND PROVIDES BMS WITH FULL INTERFACE TO ALL FANCOILS.
4. TEMPERATURE AND OCCUPANCY SENSORS TIED TO BMS.
5. PROVIDE UNIT WITH FACTORY INSTALLED 3-SPEED FAN SWITCH. (TAMPER PROOF INSTALLATION).
6. PROVIDE UNIT WITH COMPLETE HANGING ISOLATOR KIT. (SPRING TYPE).
7. UNIT AND ALL ACCESS PANELS SHALL BE TAMPER PROOF.
8. PROVIDE CONDENSATE 4FT PUMPS FOR ALL INDOOR EQUIPMENT BY HVAC CONTRACTOR. PIPE CONDENSATE TO NEAREST MOP OR UTILITY SINK. PROVIDE FUNNEL DRAIN BY PLUMBING CONTRACTOR.
9. CONNECT FAN COIL UNITS WITH SUFFIXES TO OUTDOOR EQUIPMENT SHARING SAME SUFFIX.
10. PROVIDE WITH DKN PLUS INTERFACE.

VARIABLE REFRIGERANT VOLUME - AIR-COOLED HEAT PUMP CONDENSING UNIT SCHEDULE

TAG	BASIS OF DESIGN (DAIKIN)	NOMINAL TONNAGE	DESCRIPTION	COOLING CAPACITY BTU/h	COOLING CAPACITY AMBIENT DESIGN (°F DB)	HEATING CAPACITY BTU/h	HEATING CAPACITY AMBIENT DESIGN (°F DB / WB)	REFRIGERANT CHARGE (* Based on approximate piping lengths) Factory Charge	REFRIGERANT CHARGE (* Based on approximate piping lengths) Add'l Refrigerant (lbs)*	CONNECTION RATIO (%)	ELECTRICAL VOLTAGE-PHASE	ELECTRICAL MCA	ELECTRICAL MOP	DIMENSIONS (WxHxD) (inch)	DIMENSIONS WEIGHT (lbs)	EFFICIENCY (Ducted) EER	EFFICIENCY (Ducted) IEER	EFFICIENCY (Ducted) COP47	EFFICIENCY (Ducted) COP17	SCHE
HPCC-1&2	RXYQ432AAYDA	36	Air cooled heat pump	429,110	95.0	253,463	-3.5 / -4.0	51.6	70.3	125.0	460V 3ph	59.8	60.0	68.9 x 65.4 x 30.1 + 68.9 x 65.4 x 30.1	914.9 + 914.9	9.5	17.2	3.2	2.1	n/a
HPCC-3&4	RXYQ360AAYDA	30	Air cooled heat pump	355,601	95.0	220,629	-3.5 / -4.0	51.6	67.3	125.0	460V 3ph	53.2	60.0	68.9 x 65.4 x 30.1 + 48.8 x 65.4 x 30.1	914.9 + 760.6	10.1	18.5	3.2	2.1	n/a
HPCC-5&6	REYQ288AAYDA	24	Air cooled heat recovery	255,661	95.0	203,100	-3.5 / -4.0	51.6	60.8	101.4	460V 3ph	42.6	45.0	48.8 x 65.4 x 30.1 + 48.8 x 65.4 x 30.1	800.3 + 800.3	11	19.3	3.27	2.13	20
HPCC-7&8	RXYQ144AAYDA	12	Air cooled heat pump	138,564	95.0	99,952	-3.5 / -4.0	25.8	13.5	112.5	460V 3ph	21.3	25.0	48.8 x 65.4 x 30.1	760.6	11.7	22.9	3.4	2.1	n/a
CC-9&1+A+AS	REYQ120AAYDA	10	Air cooled heat recovery	111,945	95.0	78,866	-3.5 / -4.0	25.8	28.5	108.3	460V 3ph	16.6	20.0	48.8 x 65.4 x 30.1	727.5	12.4	23.5	3.48	2.25	22.2

NOTES:
1. PROVIDE UNIT WITH SINGLE POINT POWER PANEL WITH DISCONNECT SWITCH AND VERITEC SPPP FOR EACH HPCC.
2. PROVIDE UNIT WITH LOW AMBIENT OPERATION KIT (-4°F) SNOW HOODS
3. PROVIDE UNIT WITH 24" SINGLE FAN STAND.
4. ALL CONTROLS OR APPROVED CONTROLS VENDOR.
5. INDOOR FAN COIL UNITS SHALL BE POWERED SEPRATELY FORM THE HPCC AT 208-230V/1PN OUTDOOR UNIT.
6. PROVIDE UNIT WITH BACNET INTERFACE ADAPTER. INDOOR AND OUTDOOR UNITS TO BE CONTROLLED AND MONITORED THROUGH THE BMS.
7. INSTALL UNIT PER MANUFACTURER'S INSTRUCTIONS. PROVIDE ALL REQUIRED HARDWARE FOR A COMPLETE INSTALLATION.

MAKE UP AIR UNIT SCHEDULE

Unit							Panel Filter		Natural Gas Heat - Stainless Steel Heat Exchanger and Burner				Supply Fan							Electrical				
Tag	Quantity	Airedale Model	Outdoor Air CFM	Length (in)	External Dimensions Height	External Dimensions Width	Weight (lb)	Type	Depth (in)	Input Capacity (Btu/hr)	Output Capacity (Btu/hr)	EAT-DB °F	LAT-DB °F	Type	Airflow (CFM)	RPM	BHP	E.S.P. (inH2O)	T.S.P. (inH2O)	Motor Power (HP)	Motor RPM	Voltage	MCA	MOP	Field Installed VFD	CONTROL VOLTAGE
MUA-1 a and b	2	OBP960TMRLN93F4LK2NDA00	9185	186	43.23	56	2612	Pre Pleat (MERV 13)	2	1,200,000	972,000	0	102.5	FC20	9,185	948	8.48	1.5	1.94	10	1800	460/60/3	19.1	30	ATV212	24V-250A
MUA-2	1	OBP960TMRLN93F4LJ2MDA00	10560	186	43.23	56	2700	Pre Pleat (MERV 13)	2	1,200,000	972,000	0	100.4	FC20	10,560	1,035	11.87	1.5	2.09	15	1800	460/60/3	27.9	45	ATV212	24V-250A
MUA-3 a and b	2	OBP960TMRLN93F4LJ2MDA00	8680	186	43.23	56	2612	Pre Pleat (MERV 13)	2	1,200,000	972,000	0	109.7	FC20	8,680	918	7.44	1.5	1.89	10	1800	460/60/3	19.1	30	ATV212	24V-250A

NOTES:
1. ALL UNITS COMPLETE WITH VFD'D WITH BMS CONTROL INTERFACE.
2. ALL UNITS WITH 16" ROOF CURB.
3. REMOTE USER INTERFACE – BACNET MS/TP NETWORK INTERFACE CARD.
4. DIRTY FILTER PRESSURE SWITCH.

AIR COOLED CONDENSER HEAT PUMP UNIT SCHEDULE

Tag	Daikn Model	Unit Weight (lbs)	Associated Indoor Unit	Total Cooling Capacity (Btu/hr)	Suct. Temp. °F	Cooling Ambient °F	Heating Capacity (Btu/hr)	Heating Ambient °F	MCA	Varitec Single-Point Power Kit	MOP	Electrical Data Voltage	EER	IEER	COP17
ACCU-1	RXYQ168AAYDB	761	AC-1	168,024	43	95	111,127	2	24.9	EA168YD4S1	30	460/60/3	10.3	21.2	2.1
ACCU-2	RXYQ216AAYDB	915	AC-2	217,230	43	95	140,556	2	29.9	EA216YD4S1	35	460/60/3	10.3	21	2.1
ACCU-3	RXYQ168AAYDB	761	AC-3	168,024	43	95	111,127	2	24.9	EA168YD4S1	30	460/60/3	10.3	21.2	2.1
ACCU-4a	RXYQ240AAYDB	915	AC-4 Coil 1	240,082	43	95	143,801	2	33.4	EA240YD4S1	40	460/60/3	10.6	20	2.1
ACCU-4b	RXYQ240AAYDB	915	AC-4 Coil 2	240,082	43	95	143,801	2	33.4	EA240YD4S1	40	460/60/3	10.6	20	2.1

NOTES
1. AC-4 WITH ACCU-4a & b WILL NEED 4 CIRCUITS. AC-4 MUST BE PIPED AS 2 SEPARATE ACCU's, ONE PER COIL IN AC-4.
2. EACH ACCU MODULE REQUIRES POWER DISCONNECTS - PROVIDED BY DAIKIN FOR FIELD INSTALLATION BY EC
3. ALL ACCU'S SHALL BE PROVIDED WITH 24" TALL ROOF SUPPORTS FROM THE MANUFACTURE

VARIABLE REFRIGERANT VOLUME - ZONE HEAT RECOVERY DEVICE SCHEDULE

TAG:	BASIS OF DESIGN (DAIKIN)	CONDENSING UNIT SERVED	VOLTAGE-PHASE	MIN CIRCUIT AMPS (MCA)	MAX OVERCURRENT PROTECTION (MOP)	MAX CAPACITY (per Port)	DIMENSIONS (WxHxD inch)	WEIGHT (lbs)
BS 1 CORE	BSF4Q54TVJ	HPCC-5&6	208-230V 1ph	0.4	15.0	54,000	13.7 x 9.5 x 23.7	48.5
BS 1 WEST	BSF6Q54TVJ	HPCC-5&6	208-230V 1ph	0.6	15.0	54,000	23.3 x 9.5 x 23.7	72.8
BS 2	BSF6Q54TVJ	HPCC-9&10	208-230V 1ph	0.6	15.0	54,000	23.3 x 9.5 x 23.7	72.8
BS-CORR	BSQ60TAVJ	HPCC-5&6	208-230V 1ph	0.1	15	60,000	8.2 X 15.25 X 12.9	27

EXHAUST FAN SCHEDULE

MANUFACTURER LISTED AS STANDARD OR APPROVED EQUAL

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL NO.	CFM	E.S.P. (IN.)	DRIVE	FAN RPM	FAN HP	PHYSICAL DATA SIZE (IN)	PHYSICAL DATA WEIGHT (LBS)	ELECTRICAL DATA VOLTAGE	PHASE	HZ	MCA	MOCP	REMARKS
TX-1	WOMEN & MEN'S LOCKERS	ROOF	GREENHECK	CUE-130-VG	1200	0.75	DIRECT	1309	1/2	19x19	60	120	1	60	8	15	SEE NOTE
TX-2	WOMEN'S TOILET	ROOF	GREENHECK	CUE-095-VG	450	0.75	DIRECT	1684	1/6	19x19	60	120	1	60	3	15	SEE NOTE
TX-3	TOILETS 122, 123, 214, 215, 228, 229	ROOF	GREENHECK	CUE-095-VG	1375	0.75	DIRECT	1507	1/2	19x19	75	120	1	60	3	15	SEE NOTE
TX-4	GYM LOCKERS	ROOF	GREENHECK	CUE-099-VG	600	0.75	DIRECT	1459	1/4	19x20	60	120	1	60	4	15	SEE NOTE
KX-1	KITCHEN-1	ROOF	GREENHECK	VEKTOR-H-36	19200	2.0	BELT	1051	20	58x58	2041	460	3	60			SEE NOTE
KX-2	KITCHEN-2	ROOF	GREENHECK	CUBE360HP-75	11200	2.0	BELT	794	7 1/2	46x46	500	460	3	60			SEE NOTE
KX-3	KITCHEN-3	ROOF	GREENHECK	USF-36	18000	2.0	BELT	790	15	62x67	1500	460	3	60			SEE NOTE
EF-1	GYM	ROOF	GREENHECK	CUE-300-VG	12000	0.5	DIRECT	806	5	37x37	321	460	3	60	9.00	20	SEE NOTE
EF-2	PREP RM 220A	ROOF	GREENHECK	CUBE-099-4	315	0.3	BELT	866	1/4	19x19	100	120	1	60	3.00	15	SEE NOTE
EF-3	CHEMISTRY LAB	ROOF	GREENHECK	CUBE-120-4	1040	0.3	BELT	1065	1/4	19x19	100	120	1	60	3.00	15	SEE NOTE
HEF-1	CHEMISTRY LAB FUME HOOD	ROOF	GREENHECK	VEKTOR-H-12	1100	3.0	BELT	1725	3	21x21	441	460	3	60			-

NOTES:
1. PROVIDE WITH THERMAL OVERLOAD PROTECTION.
2. PROVIDE WITH BACKDRAFT DAMPER.
3. KX-3 SHALL BE CCW-TAU AND PROVIDE WITH EQUIPMENT SUPPORT RAILS.
4. UNIT SHALL RUN AT OCCUPIED TIME.
5. PROVIDE UNIT WITH VARIABLE SPEED CONTROLLER FOR FINAL BALANCING.
6. PROVIDE EXHAUST FAN WITH TIGHT SEAL MOTORIZED DAMPER.
7. FAN SWITCHES SHALL BE CONTROLLED THROUGH THE BUILDING MANAGEMENT SYSTEM (BMS).
8. KX-1, 2, & EF-1 3 WITH SLOW START VFD'S PROVIDED BY EC

ELECTRIC UNIT HEATER SCHEDULE

"QMARK" AS STANDARD

UNIT NO.	UNIT TYPE	CFM	KW	ELECTRICAL DATA VOLTS	ELECTRICAL DATA PHASE	MODEL	REMARKS
CUH-1	CABINET FULL RECESSED	350	8	208	1ø	CU945	SEE NOTE 1

NOTE:
1. CONTROLS SHALL BE THROUGH THE BMS.

Tagging Summary

Model	Qty	Tag	Description
RXYQ432AAYDA	1	HPCC-1&2	VRV EMERION (460V)
RXYQ360AAYDA	1	HPCC-3&4	VRV EMERION (460V)
REYQ288AAYDA	1	HPCC-5&6	VRV EMERION (460V)
RXYQ144AAYDA	1	HPCC-7&8	VRV EMERION (460V)
REYQ120AAYDA	1	HPCC-9&10	VRV EMERION (460V)
BSF4Q54TVJ	1	BS-1 CORE	Branch selector unit
BSF6Q54TVJ	2	BS-1 WEST, BS-2	Branch selector unit
FXMQ24TBVJU	6	FCU-2	FXMQ_TB - HSP Concealed Ducted Unit (High Static)
FXMQ30TBVJU	1	FCU-3	FXMQ_TB - HSP Concealed Ducted Unit (High Static)
FXMQ54TBVJU	22	FCU-1	FXMQ_TB - HSP Concealed Ducted Unit (High Static)
FXTQ60TBVJUA	1	FCU-4	FXTQ_TB(A) - Multi Position Air Handler
FXZQ05TBVJU	7	"CC-1"	FXZQ_TBVJU - 4-Way Discharge Ceiling Cassette Vista (2' x 2') white
FXZQ07TBVJU	1	"CC-2" 225	FXZQ_TBVJU - 4-Way Discharge Ceiling Cassette Vista (2' x 2') white
FXZQ09TBVJU	4	"CC-3"	FXZQ_TBVJU - 4-Way Discharge Ceiling Cassette Vista (2' x 2') white
FXZQ12TBVJU	1	"CC-4" 127	FXZQ_TBVJU - 4-Way Discharge Ceiling Cassette Vista (2' x 2') white
FXZQ18TBVJU	3	"CC-5" 218CCa, 218CCb, 220CC	FXZQ_TBVJU - 4-Way Discharge Ceiling Cassette Vista (2' x 2') white

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: MECHANICAL SCHEDULES
SHEET NUMBER: H-801

PROJECT NUMBER: ###
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VENTILATION SCHEDULE

Room Name	Floor Area	Ceiling Height	Wall Location	Wall Area	Space Classification	Occupant Density per 1000FT^2	Occupants	OA CFM per Person	OA CFM per FT^2	OA CFM (Voz)	Air Distribution Effectiveness (Ez)	Design OA CFM (Vot)	Exhaust CFM
Vestibule (E-100)	180	10*	E	160	Corridor	--	--	--	0.06	11	0.8	14	--
Lobby (100)	1610	10*	--	--	Corridor	--	--	--	0.06	97	0.8	121	--
Stair (ST-1)	180	10*	W/S	168/110	Corridor	--	--	--	0.06	11	0.8	14	--
Cafeteria (120)	2020	14*	E	994	Cafeteria	100	202	7.5	0.18	1879	0.8	2348	--
Mechanical Room (119)	1140	14*	--	--	Equipment Room	--	--	--	--	--			--
Gymnasium - play area (136)	6320	28*	N/E/S	692/1998/2996	Gym	7	44	20	0.18	2022	1	2022	--
Gymnasium - spectator area (136)	180	28*	N/E/S	692/1998/2996	Gym	150	27	7.5	0.06	213	1	213	-
Gymnasium - Total (136)	6500	28*	N/E/S	692/1998/2996	Gym	-	71	-	-	2236	1	2236	-
Gymnasium Storage (136A)	425	10*	W/S	180/230	Storage Rooms	--	--	--	0.12	51	0.8	64	--
Mechanical Room (137)	385	14*	W	230	Equipment Room	--	--	--	--	--			--
Toilet (116)	185	10*	--	--	Bathroom	--	--	--	--	--			100
Toilet (117)	185	10*	W	165	Bathroom	--	--	--	--	--			100
Janitor Closet (119A)	45	10*	W	75	Storage Room	--	--	--	0.12	5	0.8	7	--
Principal (128)	260	10*	--	--	Office Space	5	1	5	0.06	22	0.8	28	--
Conference (127)	200	10*	--	--	Conference Room	50	10	5	0.06	62	0.8	78	--
Admin (126)	200	10*	--	--	Recepetion Area	30	6	5	0.06	42	0.8	53	--
Admin Corridor (121)	115	10*	--	--	Corridor	--	--	--	0.06	7	0.8	9	--
Breakroom (125)	117	10*	--	--	Breakroom	5	1	5	0.12	17	0.8	21	--
Copy (124)	78	10*	--	--	Office Space	5	0	5	0.06	7	0.8	8	--
Toilet (123)	45	10*	--	--	Bathroom	--	--	--	--	--			50
Toilet (122)	45	10*	--	--	Bathroom	--	--	--	--	--			50
School Store (101)	500	10*	W	200	Sales	15	7.5	7.5	0.12	116	0.8	145	--
WBU#1 (102)	509	10*	W	195	Office Space	5	3	5	0.06	43	0.8	54	--
WBU#2 (103)	435	10*	W	175	Office Space	5	2	5	0.06	37	0.8	46	--
Corridor (C-113)	380	10*	--		Corridor	--	--	--	0.06	23	0.8	29	--
Office (112A)	99	10*	--	--	Office Space	5	0	5	0.06	8	0.8	11	--
Kitchen #1 (112)	1700	11*	E	363	Kitchen	20	34	7.5	0.12	459	0.8	574	1190
Kitchen #1 Storage (112B)	280	11*	N	385	Storage Room	--	--	--	0.12	34	0.8	42	--
Water Service Room (112-W)	155	11*	N/E	143/127	Storage Room	--	--	--	0.12	19	0.8	23	--
Laundry (107)	150	10*	--	--	Commerical Laundry*	10	2	25	--	50	0.8	63	105
Toilet (106)	75	10*	--	--	Bathroom	--	--	--	--	--			50
Lockers (134 & 135)	270	10*	--	--	Locker/Dressing Room	--	--	--	--	--			67.5
Toilet (116 & 117)	235	10*	E	70	Bathroom	--	--	--	--	--			50
Toilet (250)	250	10*	E	50	Bathroom	--	--	--	--	--			50
Office (105D)	97	10*	--	--	Office Space	5	0	5	0.06	8	0.8	10	--
Kitchen #2 (118)	2980	11*	E	484	Kitchen	20	60	7.5	0.12	805	0.8	1006	2086
Kitchen #2 Storage (118F)	439	11*	E	215	Storage Room	--	--	--	0.12	53	0.8	66	--
Kitchen #3 (105)	1820	11*	W	638	Kitchen	20	36	7.5	0.12	491	0.8	614	1274
Kitchen #3 Storage (105A)	136	11*	W	132	Storage Room	--	--	--	0.12	16	0.8	20	--
Lockers (116A & 117A)	150	10*	--	--	Locker/Dressing Room	--	--	--	--	--			37.5
Corridor (C-140)	1130	10*	--	--	Corridor	--	--	--	0.06	68	0.8	85	--
Classroom (110)	825	10*	W	250	Classroom (age 9 plus)	30	25	10	0.12	347	0.8	433	--
Classroom 2 (111)	770	10*	W/N	230/150	Classroom (age 9 plus)	30	23	10	0.12	323	0.8	404	--
Fitness Center (230)	1400	10*	--	--	Health club/Weight room	10	15	20	0.06	384	0.8	480	--
Office (230A)	150	10*	W	130	Office Space	5	1	5	0.06	13	0.8	16	--
Corridor	3600	10*	--	--	Corridor	--	--	--	0.06	216	0.8	270	--
Classrooms Leftside (201 - 208)	800	10*	W	240	Classroom (age 9 plus)	30	24	10	0.12	336	0.8	420	--
Classrooms Rightside (209-213)	800	10*	E	250	Classroom (age 9 plus)	30	24	10	0.12	336	0.8	420	--
Science Classroom (218)	1145	10*	N/E	370/385	Science Laboratories	25	29	10	0.18	492	0.8	615	1145
Science Prep (220A)	345	10*	E	115	Storage Rooms	4	10	--	0.18	102	0.8	128	--
Science Classroom (220)	1050	10*	E	240	Science Laboratories	25	26	10	0.18	452	0.8	564	1050
Guidance (221)	600	10*	--	--	Office Space	5	3	5	0.06	51	0.8	64	--
Guidance #2 (223)	600	10*	--	--	Office Space	5	3	5	0.06	51	0.8	64	--
Assisant Principal (222)	280	10*	--	--	Office Space	5	1	5	0.06	24	0.8	30	--
Conference (224)	170	10*	--	--	Conference Room	50	9	5	0.06	53	0.8	66	--
Conference (225)	200	10*	--	--	Conference Room	50	10	5	0.06	62	0.8	78	--
Conference (226)	150	10*	--	--	Conference Room	50	8	5	0.06	47	0.8	58	--
Toilet (215)	250	10*	--	--	Bathroom	--	--	--	--	--			100
Toilet (216)	250	10*	--	--	Bathroom	--	--	--	--	--			100
Toilet (219)	100	10*	--	--	Bathroom	--	--	--	--	--			50
Toilet (228)	100	10*	--	--	Bathroom	--	--	--	--	--			50
Toilet (229)	50	10*	--	--	Bathroom	--	--	--	--	--			50
Janitor Closet (214)	50	10*	--	--	Storage Room	--	--	--	0.12	6	0.8	8	--
Copy (227)	50	10*	--	--	Office Space	5	0	5	0.06	4	0.8	5	--
Server Room (217)	50	10*	--	--	Office Space	5	0	5	0.06	4	0.8	5	--

AIR OUTLET SCHEDULE

DESIGNATION AND SYMBOL	CFM RANGE	NECK SIZE ROUND	FACE SIZE	APPLICATION	MANUF. & MODEL NO.	ACCESSORIES	FRAME TYPE	MAX S.P.	FINISH	REMARKS
⊠ CD-1	50-98 100-200 201-385 390-600 601-750	6" 8" 10" 12" 14"	24x24 24x24 24x24 24x24 24x24	SUPPLY AIR CEILING DIFFUSER	TITUS TMS	OPPOSED BLADE DAMPER	BORDER TYPE-3	0.040	#25 OFF-WHITE	SEE NOTES
☑ RR-1 ER-1	100-170 175-275 280-420 450-800 850-1800 ABOVE	8x8 10x10 12x12 24x12 24x24 SEE PLANS	---	RETURN/ EXHAUST AIR CEILING REGISTER	TITUS 4 FL	AG-35AA OPPOSED BLADE DAMPER	TYPE-3A	0.100	CLEAR ALUMINUM	SEE NOTES
SR-1	AS INDICATED	AS INDICATED	---	SUPPLY AIR TOP REGISTER	TITUS 300 FL	AG-15 OPPOSED BLADE DAMPER	TYPE-3A	0.100	CLEAR ALUMINUM	INSTALL 6" B.F.C. U.N.O.
ER-2	AS INDICATED	AS INDICATED	---	RETURN/ EXHAUST AIR SIDEWALL TOP REGISTER	TITUS 4 FL	AG-35AA OPPOSED BLADE DAMPER	TYPE-3A	0.100	CLEAR ALUMINUM	INSTALL 6" B.F.C. U.N.O.
☑ CG	100-170 175-275 280-420 450-800 850-1900 ABOVE	8x8 10x10 12x12 24x12 24x24 SEE PLANS	---	RETURN AIR CEILING GRILLE	TITUS 4 FL	NO DAMPERS	TYPE-3A	0.050	CLEAR ALUMINUM	
LSD-1		10" OVAL	48" PLENUM	LINEAR SUPPLY AIR DIFFUSER	TITUS MLT-38	ADJUSTABLE CABLE	FLANGED BORDER	0.022	CLEAR ALUMINUM	FLANGE TO FLANGE WIDTH TO BE 4"
LRD-1		10" OVAL	48" PLENUM	LINEAR SUPPLY AIR DIFFUSER	TITUS MLT-38	ADJUSTABLE CABLE	FLANGED BORDER	0.022	CLEAR ALUMINUM	FLANGE TO FLANGE WIDTH TO BE 4"
KSD-1	AS INDICATED	AS INDICATED	48x24	SUPPLY AIR	--	--	--	--	--	SPECIFIED AND PROVIDED BY KITCHEN CONSULTANT
TRG	AS INDICATED	AS INDICATED	--	TRANSFER AIR GRILLE	TITUS 4 FL	NO DAMPERS	TYPE-3A	0.050	CLEAR ALUMINUM	INSTALL 6" B.F.C. U.N.O.

NOTES:

1. ALL AIR OUTLETS SHALL BE HEAVY DUTY CONSTRUCTION AND SIZED PER SCHEDULE ABOVE UNLESS OTHERWISE INDICATED ON DRAWINGS.
2. REGISTERS & CEILING DIFFUSERS SIZES THAT ARE NOT INDICATED ON THIS SCHEDULE ARE SHOWN ON THE FLOOR PLANS.
3. ALL CEILING DIFFUSERS ARE 4 WAY DIRECTIONAL THROW UNLESS OTHERWISE INDICATED.
4. AIR OUTLETS ON THIS SCHEDULE WITH TYPE, SIZE AND CFM'S INDICATED SHALL BE PROVIDED, UNLESS OTHERWISE INDICATED ON FLOOR PLANS.
5. CEILING DIFFUSERS ARE ROUND NECK.

DEDICATED OUTSIDE AIR UNIT SCHEDULE

TAG	Unit: Airflow (CFM)	Unit: Minimum OA (CFM)	Unit: Model	Unit: Weight(lbs)	Unit: Electrical: Voltage	Unit: Electrical: MCA (A)	Unit: Electrical: MROPD (A)	Unit: Efficiency: ISMRE2	Unit: Supply Fan: Airflow (CFM)	Unit: Supply Fan: ESP (inH2O)	Unit: Supply Fan: TSP (inH2O)	Unit: Supply Fan: Motor Size (HP)	Unit: Exhaust Fan: Airflow (CFM)	Unit: Exhaust Fan: ESP (inH2O)	Unit: Exhaust Fan: Motor HP	Unit: Filters: Face Area (ft²)	Unit: Filters: Efficiency	Energy Recovery: Recovered Capacity: Cooling (Btu/hr)	Energy Recovery: Recovered Capacity: Heating (Btu/hr)	Energy Recovery: Return Air - Summer: EDB (°F)	Return Air - Summer: EWB (°F)	Return Air - Winter: EDB (°F)	Return Air - Winter: EWB (°F)	Outdoor Air - Summer: EDB (°F)	Outdoor Air - Summer: EWB (°F)	Outdoor Air - Winter: EDB (°F)	Outdoor Air - Winter: EWB (°F)	Supply Air - Summer: LDB (°F)	Supply Air - Summer: LWB (°F)	Supply Air - Winter: LDB (°F)	Supply Air - Winter: LWB (°F)	Effectiveness: APD (inH2O)	Effectiveness: Total Cooling	Effectiveness: Sensible Cooling	Effectiveness: Total Heating	Effectiveness: Sensible Heating	Cooling: EAT: EDB (°F)	Cooling: EAT: EWB (°F)	Cooling: LAT: LDB (°F)	Cooling: LAT: LWB (°F)	Cooling: Total Capacity	Cooling: Sensible Capacity	Cooling: Ambient: DB (°F)	Cooling: Compressor: Stages	Cooling: Compressor: Qty	Cooling: Compressor: Compressor Power (kW)	Cooling: Compressor: Refrigerant	Heat Pump: EAT: EDB (°F)	Heat Pump: LAT: LDB (°F)	Heat Pump: Total Capacity (Btu/hr)	Heat Pump: Ambient: DB (°F)	Hot Gas Reheat: EDB (°F)	Hot Gas Reheat: LDB (°F)	Hot Gas Reheat: Reheat Capacity (Btu/hr)	Natural Gas Heating: Input Size	Natural Gas Heating: Stages	Natural Gas Heating: Total Capacity (Btu/hr)	Natural Gas Heating: EDB (°F)	Natural Gas Heating: LDB (°F)
DOAS-1 GAS	5000	5000	DPSH20B	4858	460/60/3	63.8	80	9.7	5000	2	3.99	7.5	5000	0.75	4.3	27	COMBO RACK-2" MERV8 & 4" MERV14	102218	272335	75	62.5	70	50	91.2	73.6	2.4	2	81.2	68.3	46.5	36.2	0.56	51.61	61.68	63.06	65.31	81.2	68.3	54.4	52.5	232898	138808	95	Modulating Control with Inverter Compressors	2	18.6	R32	24	50.4	155467	5	54.4	70	84527	450 MBH	Modulating 12:1 Turndown	364500	24	91.2
DOAS-2 GAS	7550	7550	DPSH31B	5199	460/60/3	82.7	100	9	7550	2	5.18	10	7550	0.75	6.1	27	COMBO RACK-2" MERV8 & 4" MERV14	126683	354629	75	62.5	70	50	91.2	73.6	2.4	2	83.2	69.3	40.3	32.2	0.88	42.64	49.16	54.49	56.11	83.2	69.3	54.4	53.8	351543	224937	95	Modulating Control with Inverter Compressors	2	28.1	R32	24	47.6	210185	5	54.4	70	128067	600 MBH	Modulating 12:1 Turndown	486000	24	83.3

NOTE:
1. UNITS SHALL HAVE SINGLE POINT POWER WITH INVERTER COMPRESSORS AND VFD/ECM FANS BY THE MANUFACTURE WITH BACNET INTERFACE.

ROOFTOP UNIT SCHEDULE

TAG	Unit: Airflow (CFM)	Unit: Minimum OA (CFM)	Unit: Model	Unit: Weight(lbs)	Unit: Electrical: Voltage	Unit: Electrical: MCA (A)	Unit: Electrical: MROPD (A)	Unit: Efficiency: EER	Unit: Efficiency: SEER2 / IEER	Unit: Supply Fan: Airflow (CFM)	Unit: Supply Fan: ESP (inH2O)	Unit: Supply Fan: TSP (inH2O)	Unit: Supply Fan: Motor Size (HP)	Unit: Exhaust Fan: Airflow (CFM)	Unit: Exhaust Fan: ESP (inH2O)	Unit: Exhaust Fan: Motor HP	Unit: Filters: Face Area (ft²)	Unit: Filters: Efficiency	Cooling: EAT: EDB (°F)	Cooling: EAT: EWB (°F)	Cooling: LAT: LDB (°F)	Cooling: LAT: LWB (°F)	Cooling: Total Capacity	Cooling: Sensible Capacity	Cooling: Ambient: DB (°F)	Cooling: Compressor: Stages	Cooling: Compressor: Qty	Cooling: Compressor: Compressor Power (kW)	Cooling: Compressor: Refrigerant	Heat Pump: EAT: EDB (°F)	Heat Pump: LAT: LDB (°F)	Heat Pump: Total Capacity (Btu/hr)	Heat Pump: Ambient: DB (°F)	Natural Gas Heating: Input Size	Natural Gas Heating: Stages	Natural Gas Heating: Total Capacity (Btu/hr)	Natural Gas Heating: EDB (°F)	Natural Gas Heating: LDB (°F)
Lobby RTU-1 GAS	2645	265	DPSH06B	1287	460/60/3	21.4	30	11.1	21.4	2645	2	3.73	3.0	2645	0.75	1.7	7.1	COMBO RACK-2" MERV8 & 4" MERV14	76.6	63.7	53.9	53.9	71587	62937	95	Modulating Control with Inverter Compressors	1	4.7	R32	60	72.3	35835	5	120 MBH	Modulating 5:1 Turndown	97200	60	93.9
Fitness RTU-2 GAS	2420	484	DPSH06B	1249	460/60/3	21.8	30	11.1	21.4	2420	2	3.56	3.0	2420	0.75	2.1	7.1	COMBO RACK-2" MERV8 & 4" MERV14	78.2	64.9	54.7	54.7	71004	59455	95	Modulating Control with Inverter Compressors	1	4.7	R32	56	69.4	36005	5	160 MBH	Modulating 5:1 Turndown	129600	56	105.4

NOTE:
1. UNITS SHALL HAVE SINGLE POINT POWER WITH INVERTER COMPRESSORS AND VFD/ECM FANS BY THE MANUFACTURE WITH BACNET INTERFACE.

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: MECHANICAL SCHEDULES
SHEET NUMBER: H-802

BID SET

PROJECT NUMBER: ###
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GENERAL NOTES:

1. ALL CONDUITS ARE SHOWN DIAGRAMMATICALLY, EXACT RUNS SHALL BE DETERMINED IN FIELD EXCEPT WHERE SPECIFICALLY DIMENSIONED ON CONDUIT LAYOUTS. CONTRACTOR SHALL FOLLOW MINIMUM SPACING REQUIREMENTS TO REDUCE ELECTROMAGNETIC INTERFERENCE. COORDINATE CONDUIT ROUTING WITH ALL OTHER TRADES.
2. ALL EXPOSED CONDUIT SHALL BE RUN PARALLEL TO BUILDING WALLS AND BEAMS EXCEPT WHERE OTHERWISE SHOWN. CONTRACTOR SHALL INSTALL CONDUIT IN SUCH A MANNER TO AVOID ALL INTERFERENCES.
3. DEFLECTION/EXPANSION FITTINGS SHALL BE PROVIDED WHERE RIGID METAL CONDUIT CROSSES STRUCTURAL EXPANSION JOINTS.
4. EXPOSED CONDUIT SHALL BE SUPPORTED ON WALLS OR CEILINGS BY APPROVED HANGERS OF ANGLE OR CHANNEL CONSTRUCTION. CONDUITS SHALL BE SUPPORTED AT LEAST EVERY EIGHT (8) FEET.
5. ALL SPARE CONDUITS SHALL BE TERMINATED AS SHOWN ON CONDUIT LAYOUTS AND SHALL BE CAPPED 3" ABOVE FINISHED FLOOR.
6. NO CONDUIT SHALL BE SMALLER THAN ¾" UNLESS NOTED OTHERWISE ON PLANS.
7. EXACT CONDUIT STUB-UP LOCATIONS ARE TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR BASED ON CERTIFIED MANUFACTURER'S DRAWINGS OF THE RESPECTIVE EQUIPMENT. CONDUIT SHALL BE INSTALLED TO AGREE WITH EQUIPMENT FURNISHED.
8. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE INSTALLED ON 4" THICK CONCRETE EQUIPMENT PAD
9. ALL LIGHTING WIRING SHALL BE #12AWG. UNLESS OTHERWISE NOTED. THE NUMBER OF WIRES SHOWN ON THE DRAWINGS IS NOT NECESSARILY THE CORRECT NUMBER REQUIRED. THE CONTRACTOR SHALL INSTALL AS MANY AS ARE NECESSARY FOR PROVIDING A COMPLETE ELECTRICAL SYSTEM IN EACH CASE.
10. CONDUITS PASSING THROUGH BUILDING FLOORS OR WALLS BELOW GRADE ARE TO BE INSTALLED WITH WATERTIGHT THRU WALL CONDUIT SEAL FITTINGS.
11. ONLY CONDUITS HAVING OUTSIDE DIAMETERS NO LARGER THAN ONE-THIRD OF THE THICKNESS OF SLAB MAY BE INSTALLED WITHIN THE CONCRETE SLABS.
12. CONDUITS IN STRUCTURAL SLABS ARE TO BE SPACED SO AS TO PROVIDE NO LESS THAN THREE CONDUIT DIAMETERS, CENTER TO CENTER, WHEREVER POSSIBLE. LARGER SPACING IS PREFERRED.
13. CONTINUOUS ROWS OF CONDUITS ARE NOT TO BE PLACED IMMEDIATELY ALONG BEARING ENDS OF SLABS.
14. THE ELECTRICAL CONTRACTOR SHALL NOT ENDANGER THE STABILITY OF THE STRUCTURE OR ANY PART THEREOF BY CUTTING, DRILLING OR OTHERWISE, AND SHALL NOT IN ANY WAY CUT OR ALTER THE WORK OF ANY OTHER CONTRACTOR, EXCEPT WITH THE WRITTEN CONSENT OF AND UNDER THE DIRECTION OF THE ARCHITECT AND/OR GENERAL CONTRACTOR.
15. THE ELECTRICAL CONTRACTOR SHALL SECURE ALL APPROVALS AND CERTIFICATES AND PAY ALL FEES FOR ALL THE WORK INSTALLED. CERTIFICATES SHALL BE DELIVERED TO THE GENERAL CONTRACTOR BEFORE FINAL PAYMENT WILL BE MADE.
16. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPLICABLE VERSION OF THE NEC AS WELL AS ALL STATE AND LOCAL CODES.
17. THE DRAWINGS INDICATE AND THE SPECIFICATIONS DESCRIBE THE GENERAL ARRANGEMENTS AND LOCATION OF OUTLET BOXES, ETC. THE CONTRACTOR SHALL, WITHOUT EXTRA COST TO THE OWNER, MAKE ALL REASONABLE MODIFICATIONS IN THE WORK AS MAY BE REQUIRED TO PREVENT CONFLICT WITH EXISTING CONDITIONS, THE WORK OF OTHER TRADES AND FOR THE PROPER INSTALLATION OF THE WORK.
18. PRIOR TO SUBMISSION OF BID PROPOSAL, THE CONTRACTOR SHALL VISIT THE SITE AND EXAMINE CAREFULLY THE EXISTING CONDITIONS AND THE DIFFICULTIES THAT WILL BE INCURRED DURING THE PERFORMANCE OF HIS WORK.
    - A. VERIFY & COORDINATE CONDUIT ROUTING.
    - B. VERIFY WITH GENERAL CONTRACTOR SCOPE OF WORK ASSOCIATED WITH RIGGING OF EQUIPMENT TO BE PREPURCHASED.
19. CLAIMS FOR ADDITIONAL COMPENSATION ARISING DUE TO THE FAILURE OF THE CONTRACTOR TO FULLY UNDERSTAND THE SITE CONDITIONS SHALL NOT BE PAID FOR BY ANY OTHER PARTY.
20. LEAVE WIRE SUFFICIENTLY LONG TO PERMIT MAKING FINAL CONNECTIONS. CONDUIT OVER 10 FEET IN WHICH WIRING IS NOT INSTALLED-FURNISH PULL STRING.
21. DO NOT PULL THERMOPLASTIC WIRES AT TEMPERATURES LOWER THAN 32 DEG F (0 DEG C). PROVIDE CABLE SUPPORTS FOR WIRE IN RISER CONDUITS AS REQUIRED BY CODE.
22. LOCATIONS INDICATED FOR LOCAL WALL SWITCHES ARE SUBJECT TO MODIFICATIONS AT OR NEAR DOORS. INSTALL SWITCH ON SIDE OPPOSITE HINGE; VERIFY FINAL DOOR HINGE LOCATION IN FIELD PRIOR TO SWITCH OUTLET INSTALLATION.
23. JUNCTION & PULL BOXES: DO NOT LOCATE EXPOSED IN FINISH SPACES UNLESS REQUIRED BY NEC. WHERE NECESSARY, REROUTE CONDUIT OR MAKE OTHER ARRANGEMENTS FOR CONCEALMENT. PROVIDE PULL BOXES AS INDICATED AND WHEREVER NECESSARY TO FACILITATE PULLING OF WIRE AND COORDINATE LOCATIONS WITH OTHER TRADES. COVERS OF JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE. FOR EMPTY CONDUITS, INSTALL PULL BOXES EVERY 100 FEET AND AS INDICATED. COORDINATE LOCATIONS WITH OTHER TRADES.
24. SUPPORT PANEL, JUNCTION & PULL BOXES INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT.
25. ALL ACCESS DOOR LOCATIONS SHALL BE REVIEWED BY ARCHITECT PRIOR TO INSTALLATION.
26. FOR RECEPTACLE & OUTLETS MOUNTING HEIGHTS AND POSITION (HORIZONTAL, VERTICAL), COORDINATE WITH ARCHITECT, OWNER, REPRESENTATIVE & DATA/ COMMUNICATION CONSULTANT.
27. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAILS SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE WORKABLE SYSTEM.
28. USE OF ISOLATED TYPE GROUNDING CONDUCTOR FOR IG TYPE RECEPTACLES, PLUG MOLDS & EQUIPMENT DOES NOT RELIEVE REQUIREMENT FOR GROUNDING CONDUIT SYSTEM, DEVICES AND EQUIPMENT AS REQUIRED BY ALL APPLICABLE CODES. PROVIDE AND INSTALL GROUNDING FITTING, EQUIPMENT GROUND WIRING ETC. AS REQUIRED.
29. ALL CONDUITS, TRANSFORMERS ETC. SHALL BE SUPPORTED FROM STRUCTURAL STEEL ONLY. COORDINATE WITH GENERAL CONTRACTOR.
30. ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT IN ELECTRICAL AND SERVICE SWITCHBOARD ROOM SHALL BE INSTALLED ON 4" CONCRETE PAD AS REQUIRED TO SUPPORT EACH SECTION OF EQUIPMENT. COORDINATE WITH GENERAL CONTRACTOR.
31. PROVIDE BARRIERS IN ALL PULL BOXES FOR CONDUIT SETS.
32. PAINT AND RUST PROOF ALL HARDWARE & CONDUITS ON ROOF AND IN EXPOSED AREAS AS DIRECTED BY GENERAL CONTRACTOR.
33. NUMBER SHOWN ADJACENT TO LIGHTING FIXTURES, RECEPTACLES, OUTLETS, JUNCTION BOXES ETC. INDICATES CIRCUIT NUMBER.
34. ALL GROUND CONNECTIONS TO THE BUILDING STEEL SHALL BE EXOTHERMIC WELDED.
35. FLEXIBLE CONNECTIONS IN EXPOSED AREAS SHALL NOT EXCEED 18" MAXIMUM.
36. ALL EQUIPMENT DEVICES, WIRING, ETC. SHOWN ON THE DRAWINGS IS NEW UNLESS OTHERWISE NOTED.
37. ELECTRICAL CONTRACTOR SHALL PROVIDE SLEEVES/ OPENINGS FOR ALL CONDUIT RISERS PENETRATING WALLS, ROOF & FLOOR SLABS. ALL ROOF AND MECH. ROOMS SLAB PENETRATIONS SHALL BE WATERPROOF. METHOD OF PENETRATIONS & FIREWATER WATER PROOFING SHALL BE APPROVED BY ARCHITECT AND STRUCTURAL ENGINEER, COORDINATE WITH GENERAL CONTRACTOR.
38. ELECTRICAL CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH OWNERS BUILDING STANDARDS FOR CONSTRUCTION.
39. ALL FINAL CONNECTIONS TO VIBRATING EQUIPMENT (MOTORS, GENERATORS ETC.) SHALL BE THROUGH A LIQUID TIGHT FLEXIBLE METAL CONDUIT.
40. LOCATION OF ALL SLAB PENETRATIONS FOR SLEEVES & CONDUITS SHALL BE REVIEWED & APPROVED BY STRUCTURAL ENGINEER & ARCHITECT.
41. CONTRACTOR SHALL WIRE NO MORE THAN EIGHT CONVENIENCE RECEPTACLES TO A 20A SINGLE POLE CIRCUIT. UTILIZE 2-#12&1 #12 GND IN ¾" CONDUIT & 1-20A SINGLE POLE CIRCUIT BREAKER FOR EACH CIRCUIT. INSTALL ADDITIONAL CIRCUIT AS NECESSARY TO MEET THIS REQUIREMENT.
42. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
43. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
44. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

SWITCHBOARDS, PANEL BOARDS, INDUSTRIAL CONTROL PANELS, METER SOCKET ENCLOSURES, AND MOTOR CONTROL CENTERS THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT SERVICING OR MAINTENANCE WHILE ENERGIZED SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.

COMMUNICATION SYMBOLS

- TELEPHONE OUTLET. PROVIDE & INSTALL CAT 6 CABLE FROM OUTLET LOCATION TO NEAREST SERVER ROOM IN ¾" CONDUIT. MOUNT OUTLET 18" AFF UNLESS OTHERWISE NOTED.
- COMBINATION TELEPHONE/DATA OUTLET. PROVIDE & INSTALL (2) CAT. 6 CABLES FROM OUTLET LOCATION TO NEAREST SERVER ROOM EACH IN ¾" CONDUIT. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
- W TELEPHONE WALL OUTLET. PROVIDE & INSTALL CAT 6 CABLE FROM OUTLET LOCATION TO NEAREST SERVER ROOM IN ¾" CONDUIT. MOUNT OUTLET 48" AFF UNLESS OTHERWISE NOTED.
- DATA OUTLET. PROVIDE & INSTALL CAT. 6 CABLE FROM OUTLET LOCATION TO NEAREST SERVER ROOM EACH IN ¾" CONDUIT. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
- Q QUAD DATA OUTLET. PROVIDE AND INSTALL (4) CAT. 6 CABLE FROM OUTLET LOCATION TO NEAREST SERVER ROOM EACH IN ¾" CONDUIT. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
- WAP WIRELESS ACCESS POINT- CEILING MOUNT. PROVIDE (2) CAT. 6 CABLES FROM OUTLET LOCATION TO NEAREST SERVER ROOM IN 3/4" CONDUIT.
- TV TV OUTLET. PROVIDE & INSTALL PULL STRING FROM OUTLET LOCATION TO NEAREST SERVER ROOM EACH IN ¾" CONDUIT. MOUNT 18" AFF UNLESS OTHERWISE NOTED.
- CR ACCESS CONTROL CARD READER DEVICE, SEE SECURITY.
- C_X SECURITY CAMERA. PROVIDE INSTALL CAT. 6 CABLE FROM JUNCTION BOX TO NEAREST SERVER ROOM IN ¾" CONDUIT, 1X DENOTES QUANTITY OF CAMERAS. SEE SECURITY DRAWINGS.
- PIM PIM. PROVIDE INSTALL CAT. 6 CABLE FROM JUNCTION BOX TO NEAREST SERVER ROOM IN ¾" CONDUIT. SEE SECURITY DRAWINGS.
- IN INTERCOM STATION. PROVIDE INSTALL CAT. 6 CABLE FROM JUNCTION BOX TO NEAREST SERVER ROOM IN ¾" CONDUIT. SEE SECURITY DRAWINGS.
- CLK WALL MOUNTED CLOCK/ADDRESS SYSTEM. PROVIDE (4) CAT 6 CABLES FROM LOCATION TO NEAREST SERVER ROOM IN 3/4" CONDUIT. BASIS OF DESIGN: AtlasIED.
- PA CEILING MOUNTED PUBLIC ADDRESS SPEAKER DEVICE PROVIDED BY PUBLIC VENDOR. PROVIDE (2) CAT CABLES FROM LOCATION TO NEAREST SERVER ROOM IN ¾" CONDUIT.

POWER SYMBOLS

- SPEC GRADE NEMA 5-20R RECEPTACLE.
  -GFI INDICATES GROUND FAULT INTERRUPTION
  -WP INDICATES WEATHER PROOF ENCLOSURE
  -CR INDICATE PROVIDE WITH CORD REEL,
  40 FEET, PENDENT MOUNT
- SPEC GRADE NEMA 5-20R RECEPTACLE.
  MOUNT AT 44" AFF OR 6" ABOVE COUNTER, UON.
  -GFI INDICATES GROUND FAULT INTERRUPTION
  -WP INDICATES WEATHER PROOF ENCLOSURE
- 2P, 3 WIRE, 250V GROUNDING NEMA 6-30R RECEPTACLE.
  -GFI INDICATES GROUND FAULT INTERRUPTION
  -WP INDICATES WEATHER PROOF ENCLOSURE
- NEMA 5-20R SINGLE RECEPTICAL
- 1P, 3 WIRE, 125V QUAD RECEPTACLE.
  -GFI INDICATES GROUND FAULT INTERRUPTION
  -WP INDICATES WEATHER PROOF ENCLOSURE
- NEMA 5-20R SINGLE RECEPTICAL ON CEILING-MOUNTED CABLE REEL
- SPECIAL PURPOSE CONNECTION.
- J JUNCTION BOX, SIZE PER N.E.C.
- N/F 3P, NON-FUSED DISCONNECT SWITCH, FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SHALL HAVE THE SAME # OF POLES AS CONNECTING CIRCUIT UNLESS OTHERWISE NOTED.
- 3P, FUSED DISCONNECT SWITCH, FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR. SHALL HAVE THE SAME # OF POLES & AMPERE RATING AS CONNECTING CIRCUIT UNLESS OTHERWISE NOTED.
- MOTOR STARTER FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR
- MOTOR STARTER FURNISHED & INSTALLED WITH EQUIPMENT.
- COMBINATION NON-FUSED DISCONNECT SWITCH & MAGNETIC MOTOR STARTER WITH HAND/OFF/AUTO SWITCH. FURNISHED BY MECHANICAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
- PB PULL BOX
- 480Y/277V, 3Ø, 4W PANEL BOARD (SEE SCHEDULE)
- 208Y/120V, 3Ø, 4W PANEL BOARD (SEE SCHEDULE)
- CONDUIT HOME RUN TO DESIGNATED PANEL. REFER TO PANEL SCHEDULE FOR CONDUIT & CABLE QUANTITY AND SIZE.
- DOUBLE HOME RUN
- TRIPLE HOME RUN
- GROUND
- TRANSFORMER
- 120V, OR 208V, 1P, MOTOR STARTER WITH OVERLOADS TO SERVE AS DISCONNECTING MEANS. COORDINATE WITH OTHER TRADES.
- K KEY PAD
- T TRANSFORMER (SIZE SHOWN ON PLAN OR ONE-LINE DIAGRAM)
- 100A-1P CIRCUIT BREAKER - 100A TRIP - SINGLE POLE
- 100A-3P FUSE SWITCH - 100A FUSE - 3 POLE
- MOTOR
- M ELECTRIC METER
- GROUND ROD, 5/8" DIAMETER x 10' LONG
- D ADA PUSH BOTTON DOOR SYSTEM, PROVIDED BY G.C., INSTALLED BY E.C.

ABBREVIATIONS

A	AMPERE
ACT	ACOUSTIC CEILING TILE
AD	AUTOMATIC DAMPER
AF	AMPERE FRAME
AFF	ABOVE FINISHED FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AWG	AMERICAN WIRE GAUGE
BCW	BARE COPPER WIRE
C	CONDUIT
CAT	CATALOG
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CT	CURRENT TRANSFORMER
CU	COPPER
DP	DISTRIBUTION PANEL
DF	DRINKING FOUNTAIN
DIV	DIVISION
DS	DISCONNECT (LOCKOUT) SWITCH
DWG	DRAWING
EA	EACH
E.C.	ELECTRICAL CONTRACTOR
ELEC.	ELECTRICAL
ELEV	ELEVATOR
E.P.O.	EMERGENCY POWER OFF
EQUIP.	EQUIPMENT
EMT	ELECTRICAL METALLIC TUBING
FA	FIRE ALARM
FAP	FIRE ALARM PANEL
FL	FLOOR
FLEX	FLEXIBLE
FT	FEET OR FOOT
FLUOR.	FLUORESCENT
F.W.E.	FURNISHED WITH EQUIPMENT
G, GND	GROUND
GEN.	GENERATOR
GFI	GROUND FAULT INTERRUPTER
G.C.	GENERAL CONTRACTOR
HH	HAND HOLE
HP	HORSEPOWER
HS	HAND SWITCH
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HZ	HERTZ
IC	INTERRUPTING CAPACITY
IG, I	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KV	KILO VOLT
KVA	KILO VOLT AMP
KW	KILO WATT
LED	LIGHT-EMITTING DIODE
LP	LIGHTING PANEL
LTG	LIGHTING
M.C.	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MECH	MECHANICAL
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL
NIC	NOT IN CONTRACT
NEC	NATIONAL ELECTRIC CODE
NTS	NOT TO SCALE
NM	NON-METALLIC CONDUIT
P	POLE
PB	PULL BOX
Ø	PHASE
PWR	POWER
RECEPT.	RECEPTACLE
REQ.	REQUIRED
RGS	RIGID GALVANIZED STEEL
RM	ROOM
SCHED.	SCHEDULE
SECT.	SECTION
SPEC.	SPECIFICATION
SPKR.	SPEAKER
SV	SOLENOID VALVE
SW	SWITCH
SWBD	SWITCH BOARD
SYS	SYSTEM
TEL	TELEPHONE
TC	TIME CLOCK
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
UPS	UN-INTERRUPTABLE POWER SUPPLY
VFC	VARIABLE FREQUENCY CONTROLLER
VIF	VERIFY IN FIELD
VSD	VARIABLE SPEED DRIVE
WP	WEATHER PROOF
W	WATT
XFMR	TRANSFORMER

ELECTRICAL LINE TYPES

- ~/~/~ or ~~~~~ EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- NEW DEVICE
- NEW WIRING
- NEW FIXTURE

GENERAL SYMBOLS

- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- POINT OF DISCONNECT
- X / XX INDICATES SECTION LETTER / INDICATES DRAWING NUMBER WHERE LOCATED

LEGEND ANDLIGHTING CONTROL SCHEDULE EQUIPMENT SCHEDULE

SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION
PP–1	nLIGHT AIR	rPP20-DS-EFP-G2	LIGHTING POWER PACK WITH 0-10V WIRED DIMMING, WIRELESS COMMUNICATIONS
	nLIGHT AIR	RCMS-PS150-PDT-10-G2	DUAL TECHNOLOGY CEILING OCCUPANCY SENSOR, HARDWIRED POWER, WIRELESS COMMUNICATIONS
$1x	nLIGHT AIR	RPODB-WH-G2	SINGLE PUSHBUTTON WALL TOGGLE SWITCH, HARDWIRED POWER, WIRELESS COMMUNICATIONS
$2x	nLIGHT AIR	RPODB-2P-WH-G2	DUAL PUSHBUTTON WALL TOGGLE SWITCH, HARDWIRED POWER, WIRELESS COMMUNICATIONS
$1D	nLIGHT AIR	RPODB-DX-WH-G2	SINGLE PUSHBUTTON WALL DIMMING SWITCH, HARDWIRED POWER, WIRELESS COMMUNICATIONS.
$2D	nLIGHT AIR	RPODB-2P-DX-WH-G2	DUAL PUSHBUTTON WALL DIMMING SWITCH, HARDWIRED POWER, WIRELESS COMMUNICATIONS
	nLIGHT AIR	RES7-PDT-ACBK-180D-G2	IN-FIXTURE OCCUPANCY AND PHOTOCELL SENSOR AND LIGHTING CONTROLLER, POWERED FROM LIGHT FIXTURE, WIRELESS COMMUNICATIONS. INSTALLED BY MANUFACTURER IN FACTORY
$K	nLIGHT AIR	nPODA KEY	KEYED TOGGLE SWITCH FOR MANUAL-OFF OVERRIDE OF LIGHTING CIRCUITS. PROVIDE (4) KEYS TO FACILITY. WHITE COVER PLATE.

ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 UNIFORM CODE.

LIGHT FIXTURE SCHEDULE

SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION	LAMP
L11	MARK ARCHITECTURAL LIGHTING	S2PID-LLP-XXFT-MSLB-90CRI-35K-400LMF-I80CRI-I35K-I300LMF-SCT-NODIM-FLL-MVOLT-WHTT-F2/36A-SQCY-SLVCY-BCRD	EXTRUDED PENDANT FIXTURE, 400 LUMENS PER FOOT DIRECT, 300 LUMENS PER FOOT INDIRECT, 90+ CRI, 3500K CCT, WHITE CORD, SILVER FINISH. VERIFY LENGTH TO SPECIFY IN ORDER	LED 5.2 W/F 134 L/W
L12	LITHONIA	LSIX-4FT-3000LM-90CRI-	4' LAYIN STRIP TROFFER, 3000 LUMENS, 90+ CRI, 3500K CCT, WHITE FINISH	LED 24.7 WATTS 121 L/W
L13	LITHONIA	LSIX-8FT-4000LM-90CRI-35K-FFR-SWL-MIN10-ZT-MVOLT-MW	8 FOOT LAYIN STRIP TROFFER, 4000 LUMENS, 90+ CRI, 3500K CCT, DIMMING DRIVER, WHITE FINISH	LED 29.8 WATTS 134 L/W
L14	MARK ARCHITECTURAL LIGHTING	S1PO-LSL-8FT-MSL8-90CRI-35K-800LMF-SCT-MIN1-FLL-MVOLT-SLVT-ZT-F2/36A-SQCY-SLVCY-WCRD	PENDANT LINEAR FIXTURE, 8 FEET, 6400 LUMENS, 90+ CRI, 3500K CCT, MOUNTED IN-LINE WITH WOOD SLATS	LED 56.0 WATTS 114 L/W
L15	MARK ARCHITECTURAL LIGHTING	S1RD-LOP-8FT-FL-90CRI-35K-800LMF-SCT-MIN1-FLL-MVOLT-SLVT-ZT	RECESSED LINEAR FIXTURE, 8 FEET, 6400 LUMENS, 90+ CRI, 3500K CCT, RECESSED IN PLASTER CEILING	LED 56.0 WATTS 114 L/W
L21	GOTHAM	EVO6-35/20-AR-LD-MWD-MVOLT-90CRI	6" ROUND DOWNLIGHT, RECESSED, 2000 LUMENS, 90+ CRI, 3500K CCT, WHITE FINISH	LED 19.7 WATTS 101 L/W
L22	JUNO	WF6-SWW5-90CRI-MW-M6	6" ROUND DOWNLIGHT, RECESSED, 1000 LUMENS, 90+ CRI, SELECTABLE CCT, WHITE FINISH, RATED FOR USE IN WET LOCATIONS, SET TO 3500K CCT	LED 13 WATTS 74 L/W
L31	LITHONIA	2GTL-4-40L-GZ10-LP935	2'x4' LAYIN TROFFER, 4000 LUMENS, 90+ CRI, 3500K CCT, DIMMING DRIVER, WHITE FINISH	LED 29.9 WATTS 133 L/W
L41	ALCON	15209-16-17L-35K-9-AL-SL-AC8-BK-010-SC	HIGH BAY SUSPENDED ROUND FIXTURE, IMPACT RESISTANT LENS, 17000 LUMENS, 90+ CRI, 3500K CCT, ALUMINUM FINISH	LED 156 WATTS 108 L/W
L51	LITHONIA	CLX-L48-7000LM-SEF-FDL-MVOLT-GZ1-35K-80CRI	4' INDUSTRIAL FIXTURE, 7000 LUMENS, 80+ CRI, 3500K CCT. ORDER WITH ADJUSTABLE AIRCRAFT CABLE MOUNTING KIT	LED 47.4 WATTS 147 L/W
L61	LUMENWERX	V4SEALR-D-WET-EPDO-SW 90-1000-35-8FTDIN-UNV-D1-1C-EF-TG9-AL-CRF	RECESSED LINEAR FIXTURE, 8 FEET, 8000 LUMENS, 90+ CRI, 3500K CCT, DIMMING DRIVER, RATED FOR USED IN KITCHEN ENVIRONMENT	LED 84.6 WATTS 94 L/W
G2	LUMENWERX	V4SEALR-D-WET-EPDO-SW 90-1000-35-4FTDIN-UNV-D1-1C-EF-TG9-AL-CRF	RECESSED LINEAR FIXTURE, 4 FEET, 4000 LUMENS, 90+ CRI, 3500K CCT, DIMMING DRIVER, RATED FOR USED IN KITCHEN ENVIRONMENT	LED 42.3 WATTS 94 L/W
L71	LITHONIA	ESF18-MIN10-30W-35K-MVOLT-CLP-GRY	WALL WRAP STAIRWELL FIXTURE, 3000 LUMENS, 80+ CRI, 3500K CCT, VANDAL RESISTANT	LED 30W 100 L/W
L91	RAB	SLIM-37-Y/480-PC2	EXTERIOR WALL PACK, 4000 LUMENS, 80+ CRI, 3000K CCT, INTEGRAL PHOTOCELL CONTROL	LED 37 WATTS 105 L/W
L92	GOTHAM	IVO6CYL-SC-D-15LM-35K-90CRI-25D-MD-MIN1-266-ZT-L7-BK-WL-BSY-BZR-LD-D28	6" x 6" CYLINDER, 1700 LUMENS, 90+ CRI, 3500K CCT, WET LOCATION LISTED	LED 22.1 WATTS 77 L/W
L93	JUDGE	LVP524-4FT-NODIM-25W-30K-MVOLT-CLP-WHT-WL-OCC	4' OUTDOOR LINEAR FIXTURE, VANDAL RESISTANT, 3000 LUMENS, 80+ CRI, 3000K CCT, WET LOCATION LISTED, INTEGRAL MOTION SENSOR	LED 25 WATTS 120 L/W
L94	HYDREL	PLACER-A-P1-90CRI-35K-120-30DEG-FLC-WMC-S3-L3-C1-DBL	WALL MOUNTED ACCENT LIGHT, 650 LUMENS, 90+ CRI, 3500K CCT, OUTDOOR LOCATION LISTEN, BLACK FINISH	LED 8 WATTS 81 L/W
L95	LITHONIA	KBC8-LED-12C-530-40K-ASY-277-PE-H36-DDBXD	BOLLARD FIXTURE, 36" OVERALL HEIGHT, 1100 LUMENS, 4000K CCT, INTEGRAL PHOTOCELL CONTROL	LED 22 WATTS 50 L/W
	RAB	SLIM-37-Y/480-PC2	EXTERIOR WALL PACK, 4000 LUMENS, 80+ CRI, 3000K CCT, INTEGRAL PHOTOCELL CONTROL	LED 37 WATTS 105 L/W
	BEGHELLI	BBX-SE-BLK-AT	EMERGENCY WALL PACK EGRESS LIGHT WITH INTEGRAL 90 MINUTE BATTERY BACKUP, BLACK FINISH, AUTOTEST CAPABLE	LED
	BEGHELLI	ATX-SA-LR-U-U-AT	EXIT SIGN WITH INTEGRAL 90 MINUTE BATTERY BACKUP, AUTOTEST CAPABLE	LED
OEM	DUAL-LITE	PGZ-HTR	OUTDOOR EMERGENCY LIGHT, 90 MINUTE BATTERY BACKUP, INTERNAL BATTERY HEATER	LED
	LITHONIA	OLVTWM	ELEVATOR PIT LIGHT FIXTURE, WATERTIGHT, ALUMINUM WIRECAGE HOUSING	LED

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NY PROFESSIONAL ENGINEER
NO. 093733-1
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/25

SCALE: AS SHOWN

SHEET NAME:
ELECTRICAL COVER SHEET

SHEET NUMBER:
E-001

BID SET

DRAWN BY: JhFox
CHECKED BY: JDFellenzer
C:\Users\JFox\Desktop\Revit Local Files\23-284 ROCKLAND BOCES\LOCAL FILE Revitted BOCES P-Tech C-Tech_R20_vJPSR.rvt
5/16/2024 9:02:28 AM

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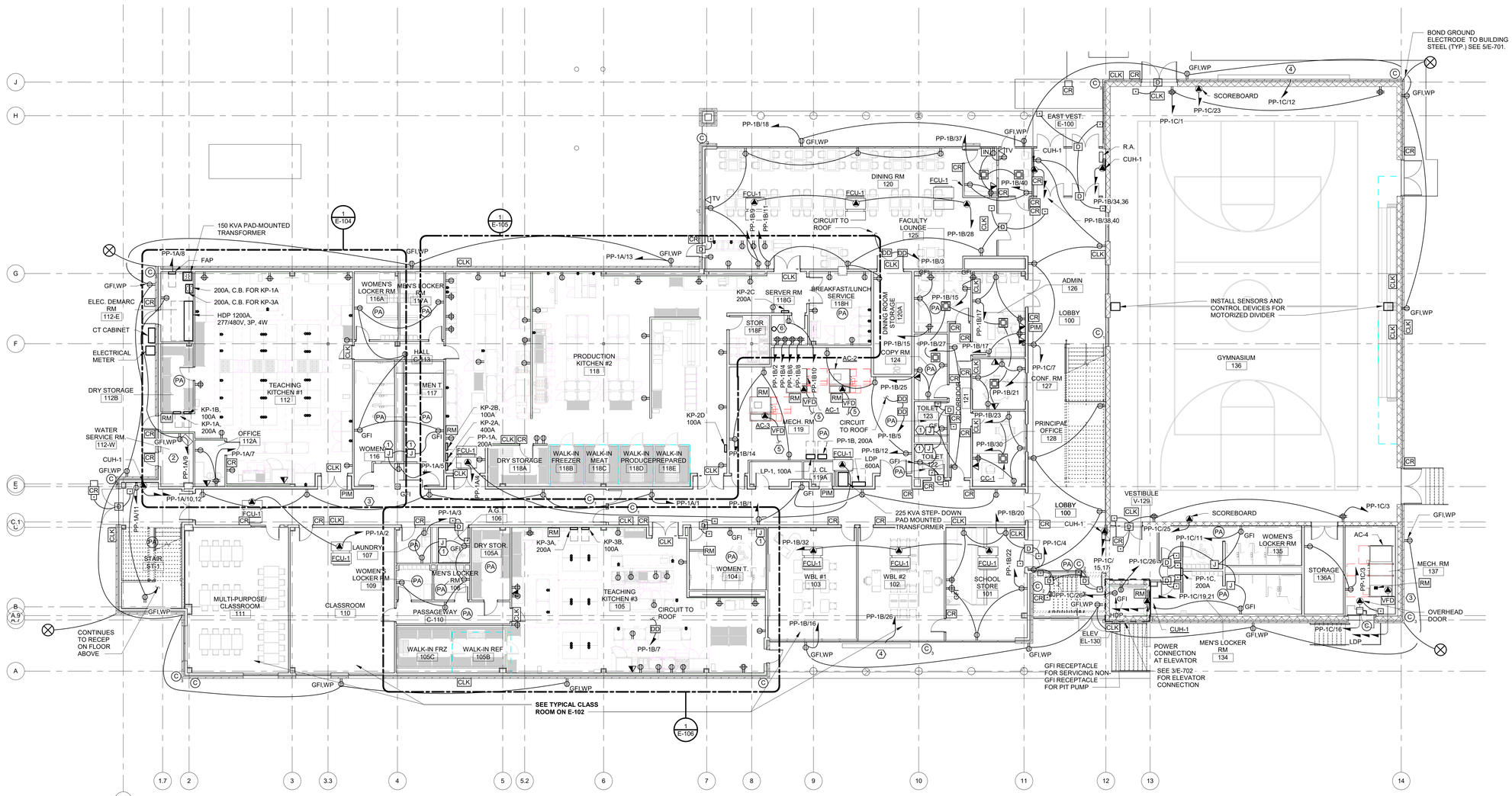
KEYED NOTES

1. PROVIDE BRANCH CIRCUIT TO JUNCTION BOX. FINAL CONNECTION BY PLUMBING CONTRACTOR
2. BOND WATER SERVICE PIPE TO BUILDING STEEL
3. BOND NATURAL GAS SERVICE PIPE TO BUILDING STEEL
4. LIGHTED SIGN PROVIDED AND ISTALLED BY GENERAL CONTRACTOR, ENERGIZED BY ELECTRICAL CONTRACTOR.
5. PROVIDE POWER TO AC THROUGH RESPECTIVE ACCU ON ROOF (TYP. OF 3)
6. CONDUIT STUB-UP FOR COMMUNICATIONS BACKBONE FIBER OPTIC CABLING FROM BUILDING 3. SEE C-201 FOR CONTINUATION



1 ELECTRICAL FIRST FLOOR POWER PLAN
3/32" = 1'-0"

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: ELECTRICAL FIRST FLOOR POWER PLAN
SHEET NUMBER: E-101

BID SET

DRAWN BY: AChin
CHECKED BY: JFellenzer
C:\Users\Drawings\Local Files\23-284\LOCAL FILE\RocklandBOCES P-Tech C-Tech_R22_v22YKZv.rvt
6/30/2025 3:34:59 PM
PROJECT NUMBER: 845-627-4700
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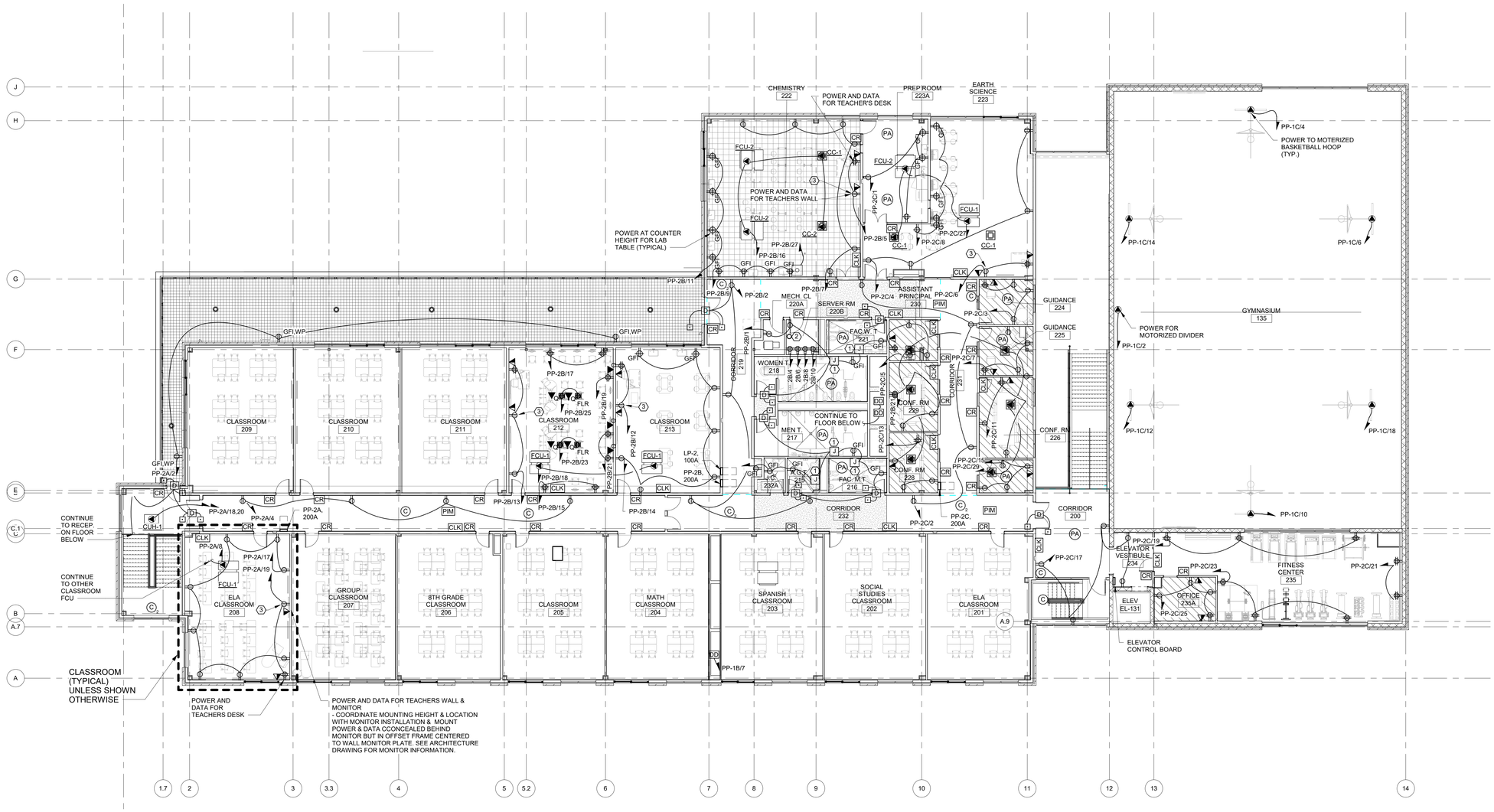
KEYED NOTES

1. PROVIDE BRANCH CIRCUIT TO JUNCTION BOX. FINAL CONNECTION BY PLUMBING CONTRACTOR
2. CONDUIT STUB-UP FOR COMMUNICATIONS BACKBONE FIBER OPTIC CABLING FROM FLOOR BELOW
3. POWER & DATA FOR TEACHERS WALL MONITOR (TYP.)



1 ELECTRICAL SECOND FLOOR POWER PLAN
3/32" = 1'-0"

ARCHITECT

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ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: ELECTRICAL SECOND FLOOR POWER PLAN
SHEET NUMBER: E-102

BID SET

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\cbowles\ocal Files\23-284\LOCAL FILES\Rockland BOCES P-Tech C-Tech_RSD_HOTPADZ.rvt
7/1/2025 1:35:32 PM

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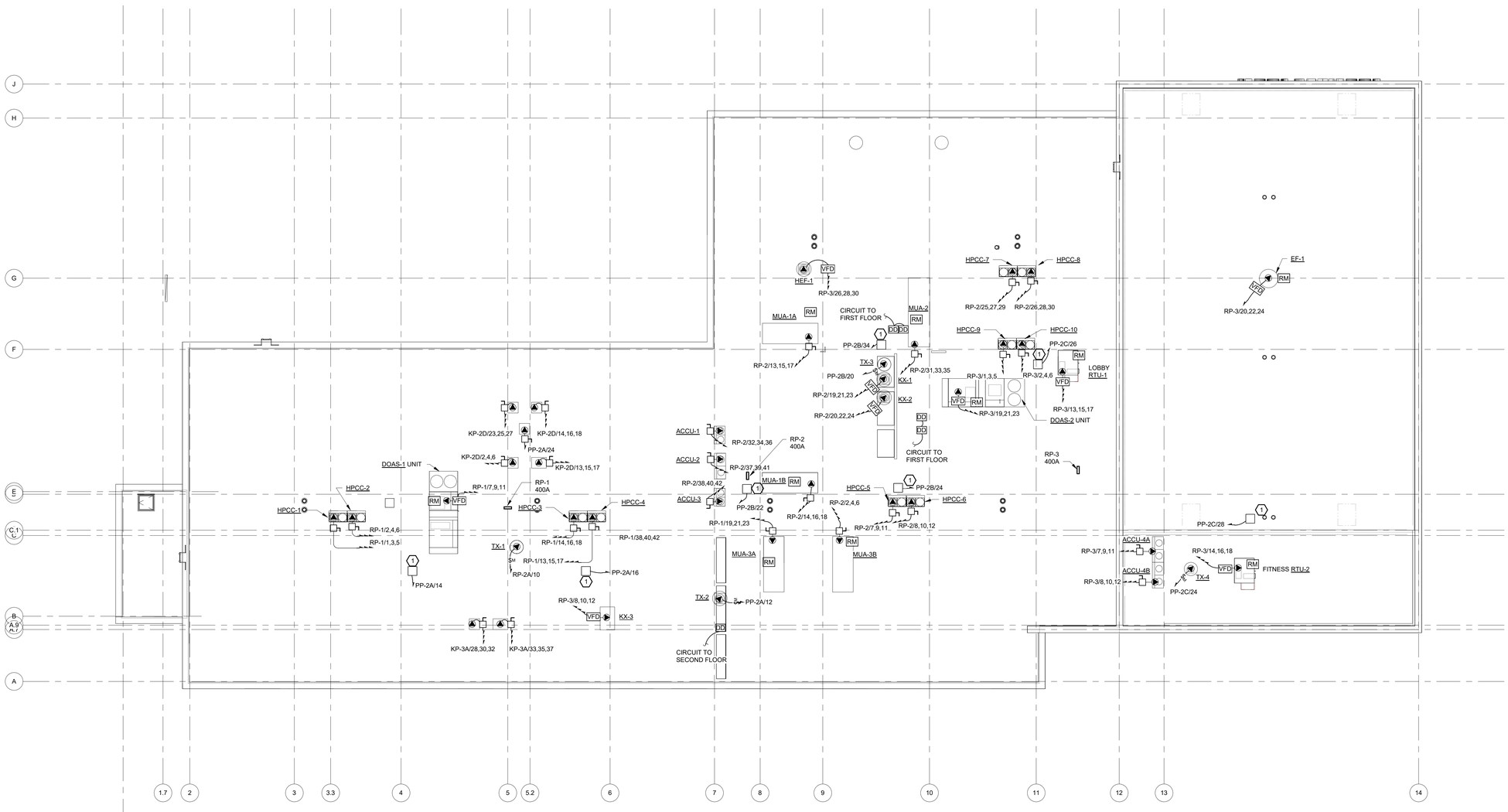
GENERAL NOTES:

1. (3) 4" POWER CONDUITS AND (1) FIRE ALARM CONDUIT SHALL RISE TO ROOF IN A SINGLE PIPE PORTAL. SEE DETAIL 2/H-706.
2. POWER WIRING FOR SPLIT SYSTEM INDOOR UNITS - USE SAME PIPE PORTAL AS MECHANICAL REFRIGERANT PIPING

KEYED NOTES:

1. PROVIDE ROOF LIGHT AND RECEPTACLE, SEE DETAIL 9/E-701



1 ELECTRICAL ROOF POWER PLAN
3/32" = 1'-0"

ARCHITECT

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ROCKLAND BOCES
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: ELECTRICAL ROOF POWER PLAN
SHEET NUMBER: E-103

BID SET

DRAWN BY: JFox
CHECKED BY: JFox
C:\Users\JFox\Desktop\Local Files\23-284 LOCAL FILE\Rockland BOCES P-Tech C-Tech_R22_v22FMZ.rvt
6/20/2025 9:20:18 AM

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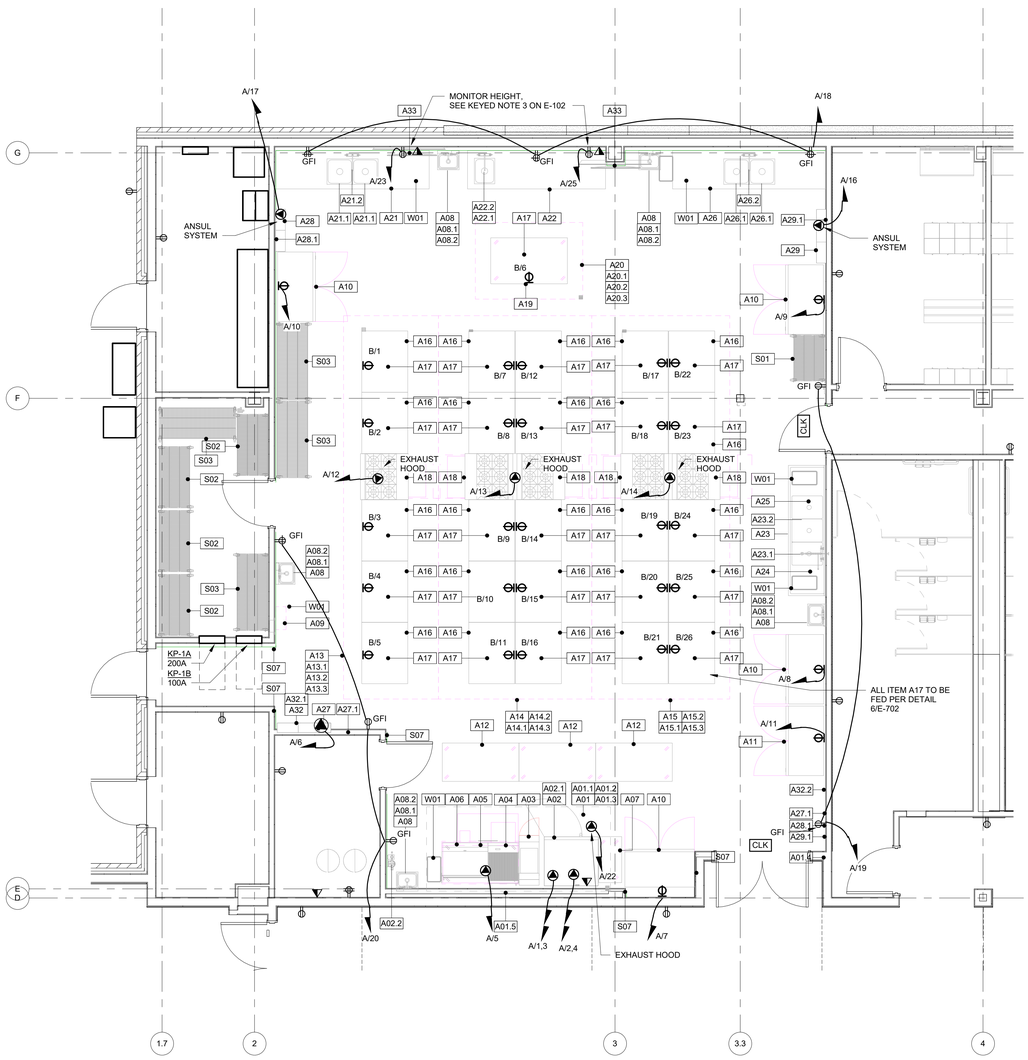

1 ELECTRICAL ENLARGED KITCHEN 1 POWER PLAN
1/4" = 1'-0"

23-284 ROCKLAND BOCES CTECH	KP-1A											LOCATION: KITCHEN#1		
RATING: 208/120V, 4W, 3PH, 100A														
CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	(A02) DOUBLE-STACK GAS COMBI OVEN	2	0.5	15	3#12 & 1#12G IN 3/4"C	0.9			3#12 & 1#12G IN 3/4"C	15	0.5	2	(A02 1) ADDITIONAL UTILITY INFORMATION FOR TOP	2
3			0.5				0.9				0.5			4
5	(A04) REFRIGERATED EQUIPMENT STAND	1	0.4	15	2#12 & 1#12G IN 3/4"C			0.5	2#12 & 1#12G IN 3/4"C	15	0.1	1	(A32) FAN CONTROL SYSTEM	6
7	(A10) REACH-IN REFRIGERATOR	1	0.5	15	2#12 & 1#12G IN 3/4"C	1.0			2#12 & 1#12G IN 3/4"C	15	0.5	1	(A10) REACH-IN REFRIGERATOR	8
9	(A10) REACH-IN REFRIGERATOR	1	0.5	15	2#12 & 1#12G IN 3/4"C		1.0		2#12 & 1#12G IN 3/4"C	15	0.5	1	(A10) REACH-IN REFRIGERATOR	10
11	(A11) REACH-IN FREEZER	1	0.5	15	2#12 & 1#12G IN 3/4"C			0.9	2#12 & 1#12G IN 3/4"C	20	0.4	1	(A13) EXHAUST HOOD	12
13	(A14) EXHAUST HOOD	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	(A15) EXHAUST HOOD	14
15	(A20) EXHAUST HOOD	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.4		2#12 & 1#12G IN 3/4"C	20	0.0	1	(A29) ANSUL SYSTEM	16
17	(A28) ANSUL SYSTEM	1	0.0	20	2#12 & 1#12G IN 3/4"C			0.4	2#12 & 1#12G IN 3/4"C	20	0.4	1	RECEPTACLES	18
19	RECEPTACLES	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	RECEPTACLES	20
21	RECEPTACLES	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.8		2#12 & 1#12G IN 3/4"C	20	0.4	1	(A01) EXHAUST HOOD	22
23	MONITOR	1	0.1	20	2#12 & 1#12G IN 3/4"C			0.1		20		1	SPARE	24
25	MONITOR	1	0.1	20	2#12 & 1#12G IN 3/4"C	0.1				20		1	SPARE	26
27	SPARE	1		20			0.0			20		1	SPARE	28
29	SPARE	1		20				0.0		20		1	SPARE	30
					TOTAL (PHASE):	3.6	3.1	1.9						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 100A
INTERRUPTING RATING: 22KA SYM.
FED FROM: TRANSFORMER

TOTAL CONN.:	8.6	KVA
TOT. CONN. + SPARE:	36.0	KVA
DEMAND:	8.6	KVA
DEMAND:	23.9	AMPS

SPARE CAPACITY 76.1 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

23-284 ROCKLAND BOCES CTECH	KP-1B											LOCATION: KITCHEN #1		
RATING: 208/120V, 4W, 3PH, 225A														
CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	2
3	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	4
5	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	6
7	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	8
9	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	10
11	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	12
13	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	14
15	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	16
17	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	18
19	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	20
21	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	22
23	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(A17) COUNTERTOP INDUCTION RANGE	24
25	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C	1.8				20		1	SPARE	26
27	(A17) COUNTERTOP INDUCTION RANGE	1	1.8	20	2#12 & 1#12G IN 3/4"C		1.8			20		1	SPARE	28
29	SPARE	1		20	2#12 & 1#12G IN 3/4"C			0.0		20		1	SPARE	30
					TOTAL (PHASE):	16.2	16.2	14.4						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 200A WITH SHUNT TRIP
INTERRUPTING RATING: 22KA SYM.
FED FROM: TRANSFORMER

TOTAL CONN.:	46.8	KVA
TOT. CONN. + SPARE:	72.0	KVA
DEMAND:	46.8	KVA
DEMAND:	130.1	AMPS

SPARE CAPACITY 35.0 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
ELECTRICAL ENLARGED KITCHEN 1 POWER PLAN
SHEET NUMBER:
E-104

BID SET

DRAWN BY: AJW
CHECKED BY: JP/AW
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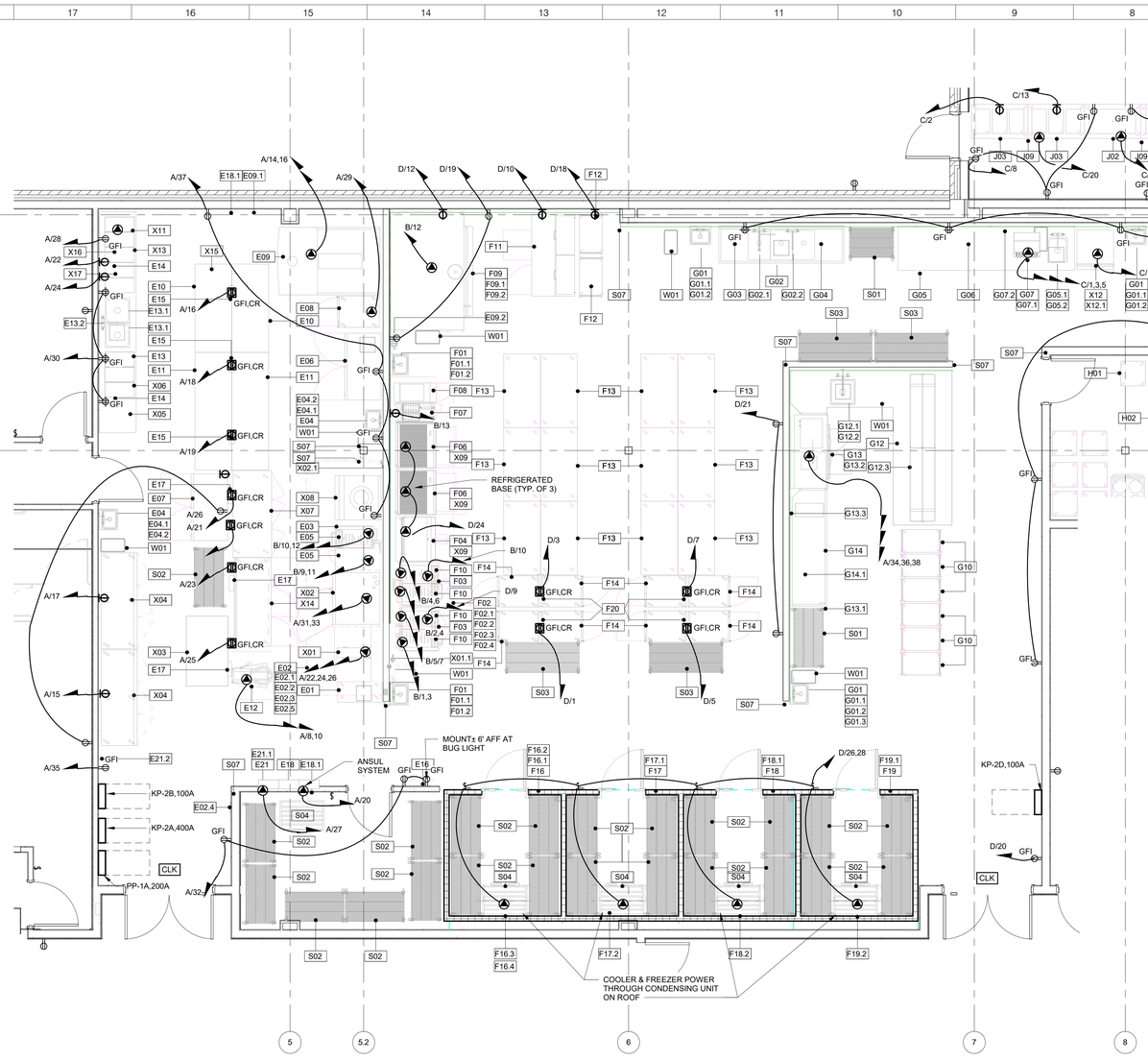

1 ELECTRICAL ENLARGED KITCHEN 2 POWER PLAN
1/4" = 1'-0"

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 400A

KP-2A

LOCATION: KITCHEN#2

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1			9.7			19.1					9.4			2
3	KP-2B	3	8.9	100	4#3 & 1#8G IN 1-1/2"C		17.3		4#3 & 1#8G IN 1-1/2"C	100	8.4	3	KP-2C	4
5			8.9					14.6			5.7			6
7	KP-2D	3	5.0	100	4#3 & 1#8G IN 1-1/2"C	6.3			3#12 & 1#12G IN 3/4"C	20	1.3	2	(E12) 40 Qt. Mixer	8
9			5.0				6.3				1.3			10
11			3.7					4.5	3#12 & 1#12G IN 3/4"C	20	0.8	2	(E09) Rotating Rack Oven	12
13	SPARE	1		20		0.8					0.8			14
15	(X04) 3-Door Reach-In Refrigerator	1	1.4	20	2#12 & 1#12G IN 3/4"C		2.6		2#12 & 1#12G IN 3/4"C	20	1.2	1	(E-15) Ceiling-Mounted Drop Cord	16
17	(X04) 3-Door Reach-In Refrigerator	1	1.4	20	2#12 & 1#12G IN 3/4"C			2.6	2#12 & 1#12G IN 3/4"C	20	1.2	1	(E-17) Ceiling-Mounted Drop Cord	18
19	(E-15) Ceiling-Mounted Drop Cord	1	1.2	20	2#12 & 1#12G IN 3/4"C	1.2			2#12 & 1#12G IN 3/4"C	20	0.0	1	(E-16) Wall-Mounted Fire Suppression System	20
21	(E-17) Ceiling-Mounted Drop Cord	1	1.2	20	2#12 & 1#12G IN 3/4"C		3.0		2#12 & 1#12G IN 3/4"C	20	1.8	1	(X16) Countertop Induction Range	22
23	(E-17) Ceiling-Mounted Drop Cord	1	1.2	20	2#12 & 1#12G IN 3/4"C			3.0	2#12 & 1#12G IN 3/4"C	20	1.8	1	(X17) Countertop Induction Range	24
25	(E-17) Ceiling-Mounted Drop Cord	1	1.2	20	2#12 & 1#12G IN 3/4"C	1.6			2#12 & 1#12G IN 3/4"C	20	0.4	1	(X07) 3-Door Work Top Refrigerator	26
27	(E23) Fire Control System (Duplicate Control Voidsbox)	1	0.1	20	2#12 & 1#12G IN 3/4"C		1.3		2#12 & 1#12G IN 3/4"C	20	1.2	1	(X11) Countertop 20 Qt. Mixer	28
29	(E08) Mobile Proofer Cabinet	1	1.5	20	2#12 & 1#12G IN 3/4"C			1.5	2#12 & 1#12G IN 3/4"C	20		1	RECEPTACLES	30
31	(X02) Gas Combi Oven	2	0.2	20	3#12 & 1#12G IN 3/4"C	0.2			2#12 & 1#12G IN 3/4"C	20		1	RECEPTACLES	32
33			0.2				9.6				9.4			34
35	RECEPTACLES	1		20	2#12 & 1#12G IN 3/4"C			9.4	4#3 & 1#8G IN 1-1/2"C	100	9.4	3	(G13) Dishwasher	36
37	RECEPTACLES	1		20	2#12 & 1#12G IN 3/4"C	9.4					9.4			38
39	SPARE	1		20			0.0			20		1	SPARE	40
41	SPARE	1		20				0.0		20		1	SPARE	42
					TOTAL (PHASE):	38.6	40.0	35.5						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 400A
INTERRUPTING RATING: 22KA SYM.
FED FROM: LDP

TOTAL CONN.:	114.1 KVA
TOT. CONN. + SPARE:	143.9 KVA
DEMAND:	114.1 KVA
DEMAND:	317.1 AMPS

SPARE CAPACITY 20.7 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 100A

KP-2B

LOCATION: KITCHEN#2

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1			1.8			3.6					1.8			2
3	(F10) Induction Cookers	2	1.8	20	3#12 & 1#12G IN 3/4"C		3.6		3#12 & 1#12G IN 3/4"C	20	1.8	2	(F10) Induction Cookers	4
5			1.8					3.6			1.8			6
7	(F10) Induction Cookers	2	1.8	20	3#12 & 1#12G IN 3/4"C	3.6			3#12 & 1#12G IN 3/4"C	20	1.8	2	(F10) Induction Cookers	8
9			1.8				3.6				1.8			10
11	(E05) Induction Cookers	2	1.8	20	3#12 & 1#12G IN 3/4"C			3.6	3#12 & 1#12G IN 3/4"C	20	1.8	2	(E05) Induction Cookers	12
13	(F08) Fry Dump w/ Heat Lamp	1	0.8	20	2#12 & 1#12G IN 3/4"C	2.5					1.7			14
15	SPARE	1		20			1.7		4#6 & 1#10G IN 1-1/4"C	60	1.7	3	(X01) Multifunction Skillet	16
17	SPARE	1		20				1.7			1.7			18
19	SPACE	1				0.0				20		1	SPARE	20
21		1					0.0			20		1	SPARE	22
23		1						0.0				1	SPACE	24
					TOTAL (PHASE):	9.7	8.9	8.9						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 100A WITH SHUNT TRIP
INTERRUPTING RATING: 22KA SYM.
FED FROM: KP-2A

TOTAL CONN.:	27.4 KVA
TOT. CONN. + SPARE:	36.0 KVA
DEMAND:	27.4 KVA
DEMAND:	76.2 AMPS

SPARE CAPACITY 23.8 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 100A

KP-2C

LOCATION: 118H BREAKFAST / LUNCH SERVICE

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1			3.6			5.6			2#10 & 1#10G IN 3/4"C	30	2.0	1	(J03) 3-Well Hot Food Station	2
3	(G07) Countertop Bulk Coffee Brewer	3	3.6	40	4#8 & 1#10G IN 1"C		5.4		2#12 & 1#12G IN 3/4"C	20	1.8	1	(J07) Mobile Heated Holding Cabinet	4
5			3.6					5.4	2#12 & 1#12G IN 3/4"C	20	1.8	1	(J07) Mobile Heated Holding Cabinet	6
7	(J07) Mobile Heated Holding Cabinet	1	1.8	20	2#12 & 1#12G IN 3/4"C	1.8			2#12 & 1#12G IN 3/4"C	20		1	SERVING LINE RECEP	8
9	(J07) Mobile Heated Holding Cabinet	1	1.8	20	2#12 & 1#12G IN 3/4"C		1.8		2#12 & 1#12G IN 3/4"C	20		1	SERVING LINE RECEP	10
11	(J01) Milk Cooler	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.4	2#12 & 1#12G IN 3/4"C	20		1	BREAKFAST/LUNCH SERVICE RECEP	12
13	(J03) 3-Well Hot Food Station	1	2.0	30	2#10 & 1#10G IN 3/4"C	2.0			2#12 & 1#12G IN 3/4"C	20		1	KITCHEN WALL RECEP	14
15	(X12) Ice Machine	1	1.3	20	2#12 & 1#12G IN 3/4"C		1.3		2#12 & 1#12G IN 3/4"C	20		1	WALK-IN LIGHTS	16
17	KITCHEN WALL RECEPT	1		20	2#12 & 1#12G IN 3/4"C			0.0	2#12 & 1#12G IN 3/4"C	20		1	(J09 Power Pole)	18
19	(J09) Power Pole	1		20	2#12 & 1#12G IN 3/4"C	0.0			2#12 & 1#12G IN 3/4"C	20		1	(J09) Power Pole	20
21	SPARE	1		20			0.0			20		1	SPARE	22
23	SPARE	1		20				0.0		20		1	SPARE	24
25	SPARE	1		20		0.0				20		1	SPARE	26
27	SPARE	1		20			0.0			20		1	SPARE	28
29	SPARE	1		20				0.0		20		1	SPARE	30
					TOTAL (PHASE):	9.4	8.4	5.7						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN LUGS ONLY
INTERRUPTING RATING: 22KA SYM.
FED FROM: KP-2A

TOTAL CONN.:	23.6 KVA
TOT. CONN. + SPARE:	36.0 KVA
DEMAND:	23.6 KVA
DEMAND:	65.6 AMPS

SPARE CAPACITY 34.4 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 400A

KP-2D

LOCATION: KITCHEN#2

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1	(F20) Ceiling-Mounted Drop Cord	1	1.2	20	2#12 & 1#12G IN 3/4"C	1.4					0.2			2
3	(F20) Ceiling-Mounted Drop Cord	1	1.2	20	2#12 & 1#12G IN 3/4"C		1.4		4#12 & 1#12G IN 3/4"C	15	0.2	3	(F19) Walk-In Cooler	4
5	(F20) Ceiling-Mounted Drop Cord	1	1.2	20	2#12 & 1#12G IN 3/4"C			1.4			0.2			6
7	(F20) Ceiling-Mounted Drop Cord	1	1.2	20	2#12 & 1#12G IN 3/4"C	1.9					0.7	1	(F11) Pizza Prep Table w/ Overshelf	8
9	(F03) Gas Convection Oven	1	0.9	20	2#12 & 1#12G IN 3/4"C		1.9		2#12 & 1#12G IN 3/4"C	20	0.9	1	(F03) Gas Convection Oven	10
11	SPARE	1		20				0.6	2#12 & 1#12G IN 3/4"C	20	0.6	1	(F09) Gas Pizza Oven	12
13			0.9			1.1					0.2			14
15	(F16) Walk-In Freezer	3	0.9	25	4#10& 1#10G IN 3/4"C		1.1		4#12 & 1#12G IN 3/4"C	15	0.2	3	(F17) Walk-In Cooler	16
17			0.9					1.1			0.2			18
19	RECEPTACLES	1		20	2#12 & 1#12G IN 3/4"C	0.0			2#12 & 1#12G IN 3/4"C	20		1	RECEPTACLES	20
21	RECEPTACLES	1		20	2#12 & 1#12G IN 3/4"C		0.0		2#12 & 1#12G IN 3/4"C	20		1	RECEPTACLES	22
23			0.2					0.6	2#12 & 1#12G IN 3/4"C	20	0.4	1	(X03) 36"V Refrigerated Base (1 CIRCUIT FOR 3)	24
25	(F18) Walk-In Cooler	3	0.2	15	4#12 & 1#12G IN 3/4"C	0.6					0.4	2	REFRIGERATOR/FREEZER EVAPORATOR FANS	26
27			0.2				0.6		3#12 & 1#12G IN 3/4"C	20	0.4			28
29	SPARE	1		20				0.0		20		1	SPARE	30
31	SPARE	1		20		0.0				20		1	SPARE	32
33		1					0.0			20		1	SPARE	34
35	SPACE	1						0.0				1		36
37		1				0.0						1	SPACE	38
39		1					0.0					1		40
41		1						0.0				1		42
					TOTAL (PHASE):	5.0	5.0	3.7						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN LUGS ONLY
INTERRUPTING RATING: 22KA SYM.
FED FROM: KP-2A

TOTAL CONN.:	13.7 KVA
TOT. CONN. + SPARE:	36.0 KVA
DEMAND:	13.7 KVA
DEMAND:	38.0 AMPS

SPARE CAPACITY 62.0 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

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ROCKLAND BOCES
ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME:
ELECTRICAL ENLARGED KITCHEN 2 POWER PLAN
SHEET NUMBER:
E-105

BID SET

DRAWN BY: Author
CHECKED BY: Checker
C:\Users\cbowles\Documents\Revit\23-284\LOCAL FILES\Rockland BOCES P-Tech C-Tech_R20_kCFNXZ.rvt
6/30/2025 3:36:33 PM

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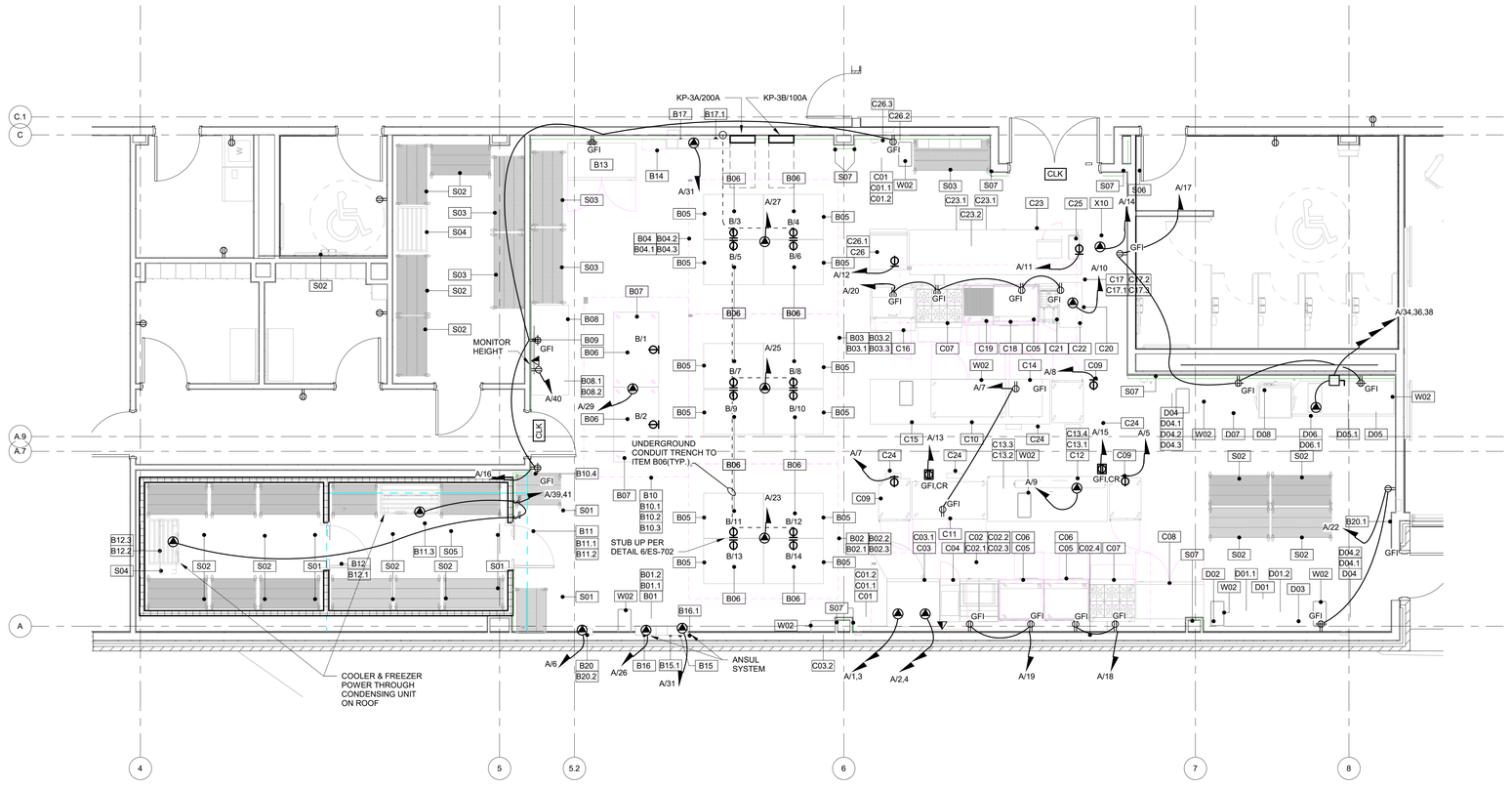

1 ELECTRICAL ENLARGED KITCHEN 3 POWER PLAN

1/4" = 1'-0"

KP-3A

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 225A
LOCATION: KITCHEN#3

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	(C03) Double-Stack Gas Combi	2	0.5	20	3#12 & 1#12G IN 3/4"C	0.9			3#12 & 1#12G IN 3/4"C	20	0.5	2	(C03.1) Additional Utility	2
3	Oven w/ Stacking Kit & Casters		0.5				0.9				0.5		Information For Top Compartment	4
5	(C09) Mobile Heated Holding Cabinet	1	1.8	20	2#12 & 1#12G IN 3/4"C			1.9	3#12 & 1#12G IN 3/4"C	20	0.1	1	(B06) Countertop Induction Range	6
7	(C09) Mobile Heated Holding Cabinet	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.5			2#12 & 1#12G IN 3/4"C	20	1.8	1	(C09) Mobile Heated Holding Cabinet	8
9	(C12) Hot Line Mounted to Underside of Item# C13.1	1	1.7	20	2#12 & 1#12G IN 3/4"C		2.1		2#12 & 1#12G IN 3/4"C	20	0.4	1	(C17) Exhaust Hood	10
11	(C25) Microwave Oven	1	1.5	20	2#12 & 1#12G IN 3/4"C			3.7	2#12 & 1#12G IN 3/4"C	20	2.2	1	(C26) Ice Maker	12
13	(C24) Ceiling-Mounted Drop Cord Pixels (5-20R)	1	2.4	20	2#12 & 1#12G IN 3/4"C	6.0			2#12 & 1#12G IN 3/4"C	20	3.6	1	(X10) Coffee Brewer	14
15	(C24) Ceiling-Mounted Drop Cord Pixels (5-20R)	1	2.4	20	2#12 & 1#12G IN 3/4"C		2.4		2#12 & 1#12G IN 3/4"C	20		1	RECEPTACLES	16
17	RECEPTACLES	1		20	2#12 & 1#12G IN 3/4"C			0.0	2#12 & 1#12G IN 3/4"C	20		1	RECEPTACLES	18
19	RECEPTACLES	1		20	2#12 & 1#12G IN 3/4"C	0.0			2#12 & 1#12G IN 3/4"C	20		1	RECEPTACLES	20
21	RECEPTACLES	1		20	2#12 & 1#12G IN 3/4"C		0.0		2#12 & 1#12G IN 3/4"C	20		1	RECEPTACLES	22
23	(B02) Exhaust Hood	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.4	2#12 & 1#12G IN 3/4"C	20		1	WALK-IN LIGHTS	24
25	(B03) Exhaust Hood	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.4			2#12 & 1#12G IN 3/4"C	20	0.0	1	(B16) Wall-Mounted Fire Suppression System	26
27	(B04) Exhaust Hood	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.6				0.2			28
29	(B10) Exhaust Hood	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.6	4#12 & 1#12G IN 3/4"C	15	0.2	3	(B11) Walk-In Cooler	30
31	(B15) Wall-Mounted Fire Suppression System	1	0.0	20	2#12 & 1#12G IN 3/4"C	0.2					0.2			32
33			0.9				6.9				6.0			34
35	(B12) Walk-In Freezer	3	0.9	25	4#10& 1#10G IN 3/4"C			6.9	4#6 & 1#10G IN 1-1/4"C	60	6.0	3	(D06) Dishwasher	36
37			0.9								6.0			38
39			0.2			6.9								40
41	REFRIGERATOR/FREEZER EVAPORATOR FAN1	2	0.2	20	3#12 & 1#12G IN 3/4"C		0.2			20		1	SPARE	42
			0.2					0.2		20		1	SPARE	
					TOTAL (PHASE):	17.9	13.1	13.6						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 200A
INTERRUPTING RATING: 22KA SYM.
FED FROM: TRANSFORMER

TOTAL CONN.:	44.6	KVA
TOT. CONN. + SPARE:	72.0	KVA
DEMAND:	44.6	KVA
DEMAND:	123.9	AMPS

SPARE CAPACITY 38.0 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

KP-3B

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 100A
LOCATION: KITCHEN#3

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(B06) Countertop Induction Range	2
3	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(B06) Countertop Induction Range	4
5	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(B06) Countertop Induction Range	6
7	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(B06) Countertop Induction Range	8
9	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"C		3.6		2#12 & 1#12G IN 3/4"C	20	1.8	1	(B06) Countertop Induction Range	10
11	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"C			3.6	2#12 & 1#12G IN 3/4"C	20	1.8	1	(B06) Countertop Induction Range	12
13	(B06) Countertop Induction Range	1	1.8	20	2#12 & 1#12G IN 3/4"C	3.6			2#12 & 1#12G IN 3/4"C	20	1.8	1	(B06) Countertop Induction Range	14
15	SPARE	1		20			0.0			20		1	SPARE	16
17	SPARE	1		20				0.0		20		1	SPARE	18
19	SPARE	1		20		0.0				20		1	SPARE	20
21	SPARE	1		20			0.0			20		1	SPARE	22
					TOTAL (PHASE):	10.8	7.2	7.2						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 100A WITH SHUNT TRIP
INTERRUPTING RATING: 22KA SYM.
FED FROM: TRANSFORMER

TOTAL CONN.:	25.2	KVA
TOT. CONN. + SPARE:	36.0	KVA
DEMAND:	25.2	KVA
DEMAND:	70.0	AMPS

SPARE CAPACITY 30.0 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

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ROOTED IN THE COMMUNITY

ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 1/4" = 1'-0"
SHEET NAME: ELECTRICAL ENLARGED KITCHEN 3 POWER PLAN
SHEET NUMBER: E-106

BID SET

DRAWN BY: AuDo
CHECKED BY: Author
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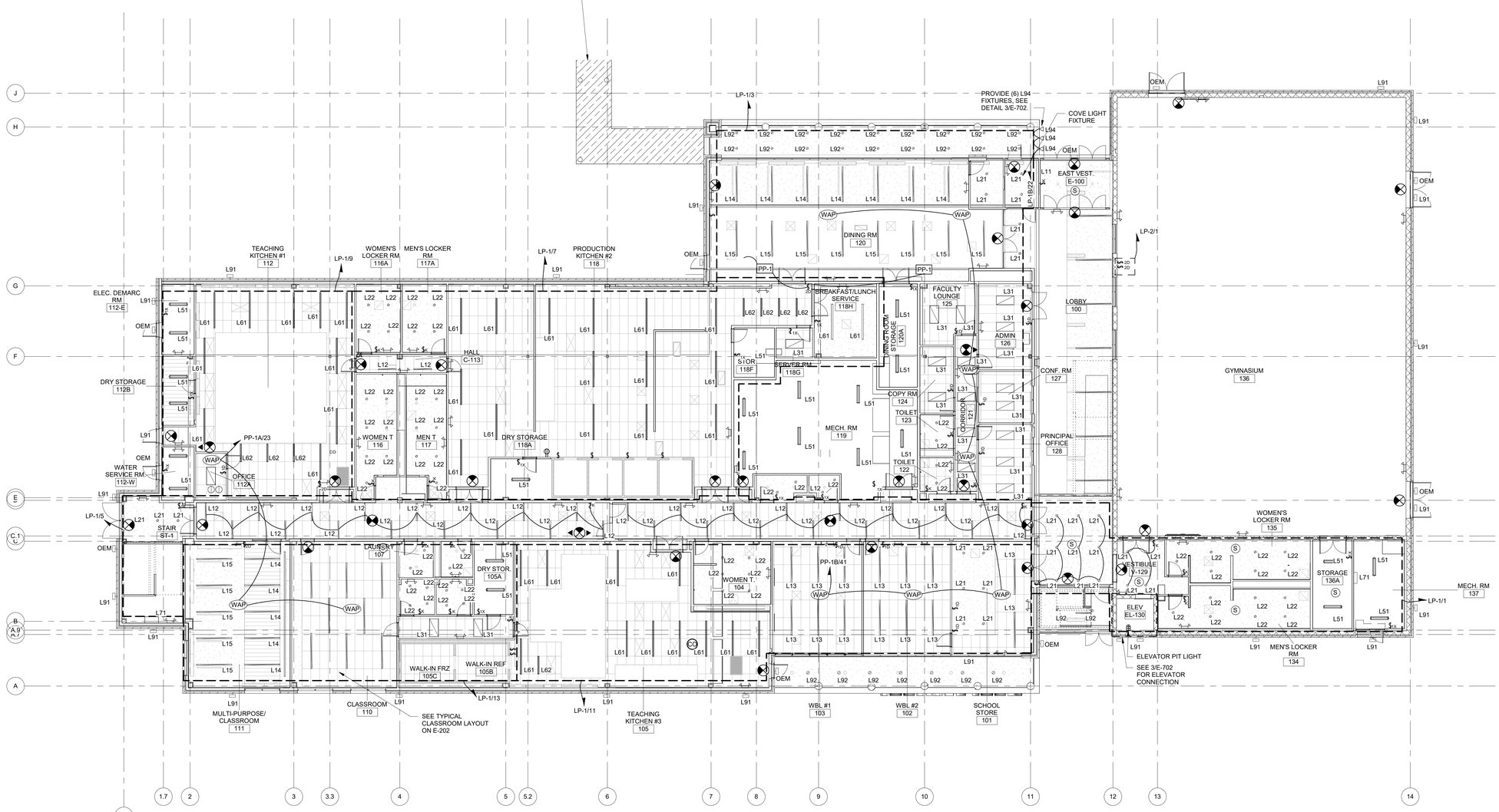
6/30/2025 8:57:57 AM

PROJECT NUMBER: 845-627-4700 COPYRIGHT © 2022 KSQ ARCHITECTS, PC

CANOPY OVER WALKWAY IS PART OF ALTERNATE #2. IF INCLUDED, PROVIDE (34) L92 FIXTURE ON UNDERSIDE OF CANOPY.



1 ELECTRICAL FIRST FLOOR LIGHTING PLAN
3/32" = 1'-0"

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: ELECTRICAL FIRST FLOOR LIGHTING PLAN
SHEET NUMBER: E-201

BID SET

DRAWN BY: AJ/DV
CHECKED BY: JF/DF/JM
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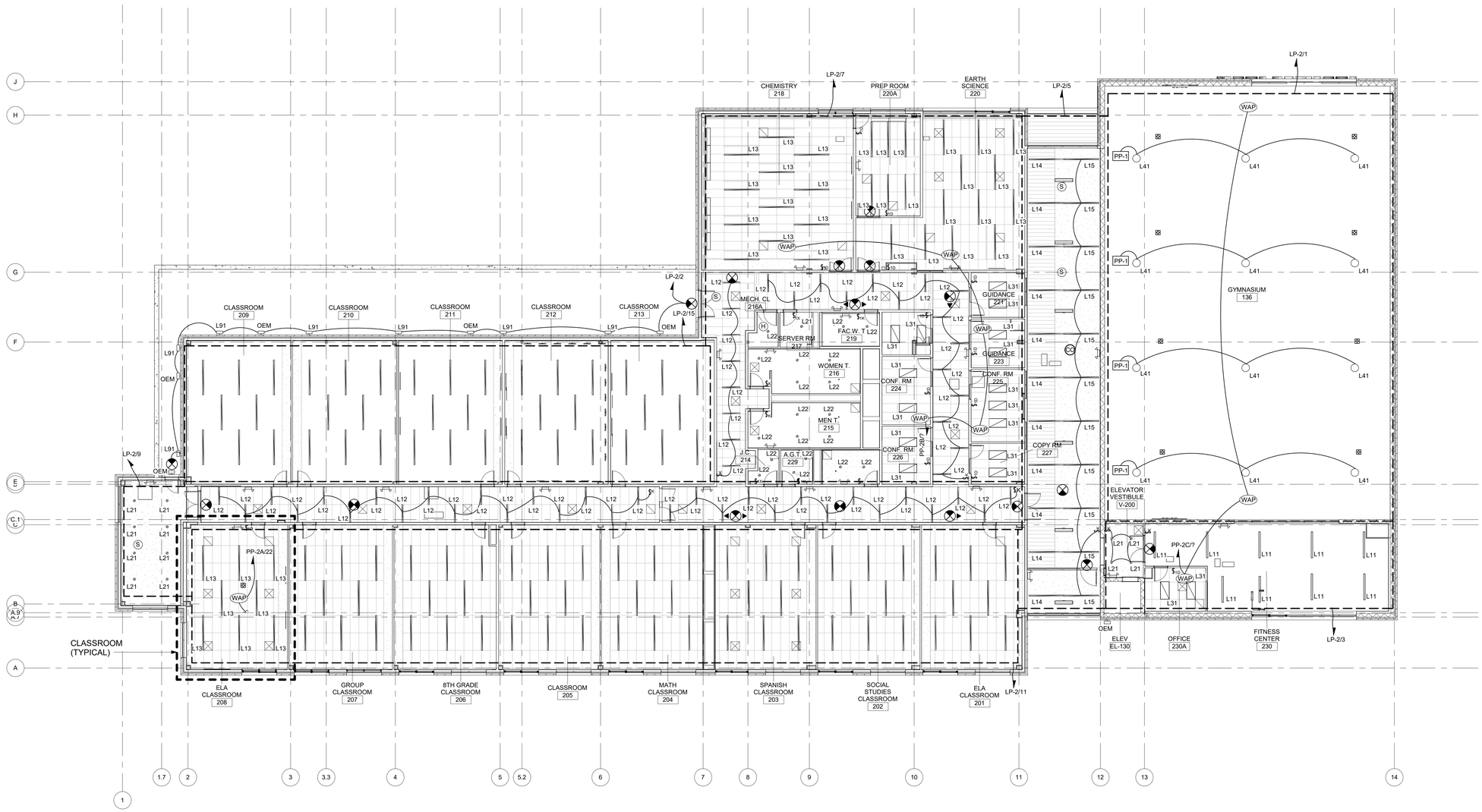

1 ELECTRICAL SECOND FLOOR LIGHTING PLAN
3/32" = 1'-0"

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME:
ELECTRICAL SECOND FLOOR LIGHTING PLAN
SHEET NUMBER:
E-202

BID SET

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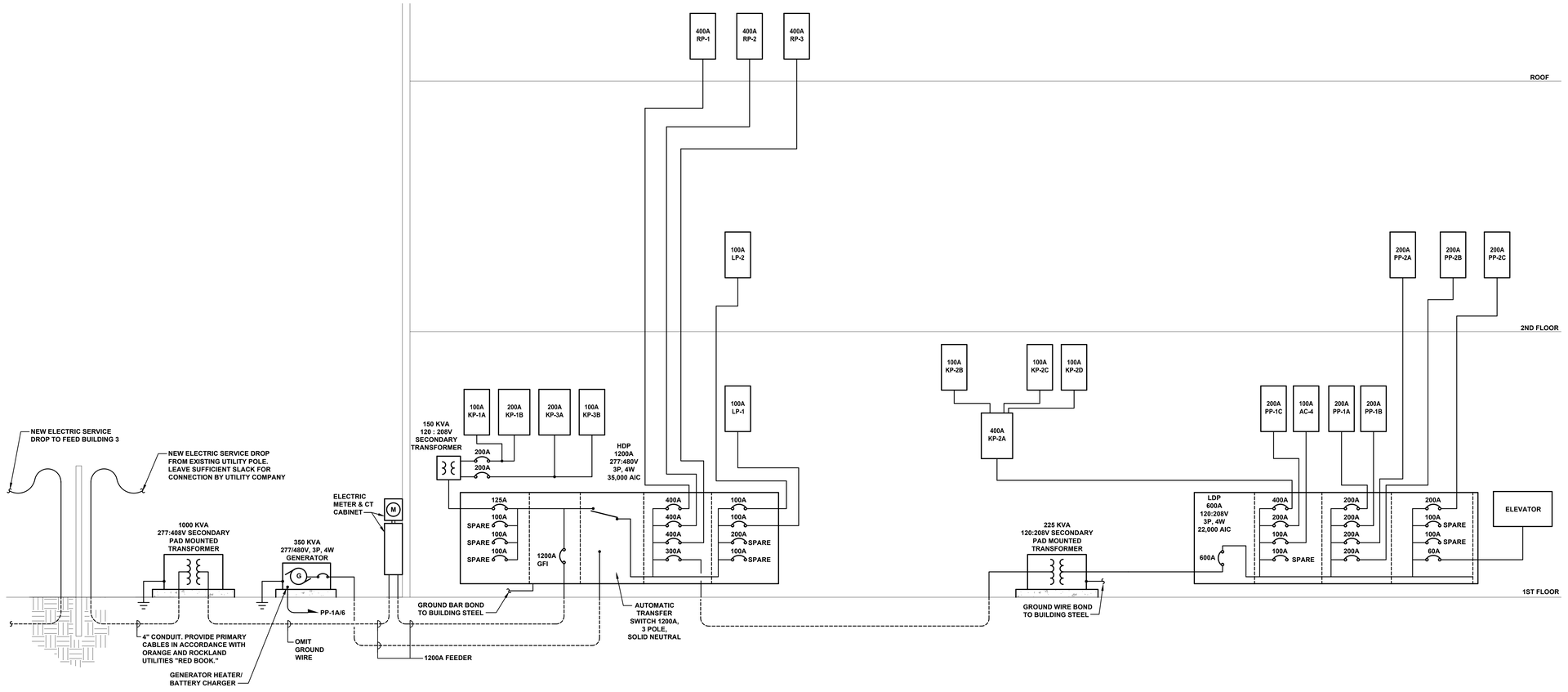

1 ELECTRICAL ONE-LINE DIAGRAM

N.T.S.

NOTE:

1. STANDBY GENERATOR SYSTEM SHALL BE NFPA 110, CLASS X, TYPE M, LEVEL 2.

FEEDER WIRE AND CONDUIT PER THIS SCHEDULE UNLESS NOTED OTHERWISE	
AMPACITY	FEEDER
1200A	(3) SETS: (4) 600 KCMIL (1) #3 GND 4" CONDUIT
600A	(2) SETS: (4) 350 KCMIL (1) #4 GND 3" CONDUIT
400A	(4) 600 KCMIL (1) #3 GND 4" CONDUIT
300A	(4) 350 KCMIL (1) #4 GROUND 3" CONDUIT
200A	(4) #3/0 (1) #6 GND 2" CONDUIT
125A	(4) #1 (1) #8 GND 2" CONDUIT
100A	(3) #3 (1) #8 GND 1-1/2" CONDUIT
60A	(3) #6 (1) #10 GND 1-1/4" CONDUIT

ARCHITECT

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NY PROFESSIONAL ENGINEER
NO. 080726-1
ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/25

SCALE: AS SHOWN

SHEET NAME:
ELECTRICAL ONE-LINE DIAGRAMS

SHEET NUMBER:
E-601

BID SET

PROJECT NUMBER: ###

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CHECKED BY: Engineer
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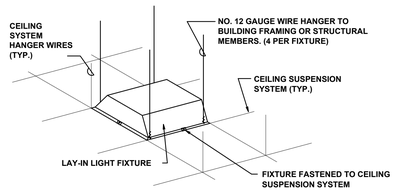
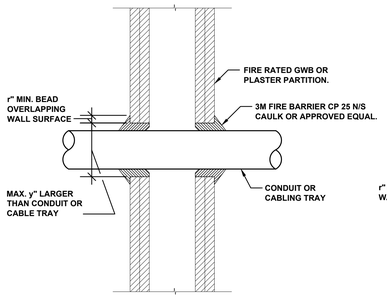
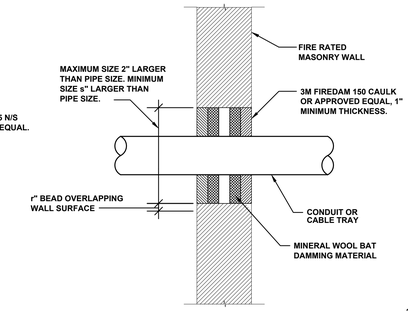


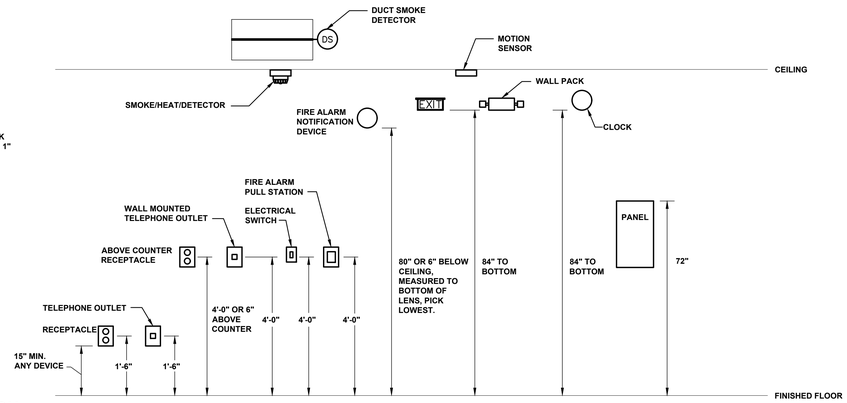
1 LAY-IN LIGHT FIXTURE SUPPORT DETAIL
N.T.S.



2 CONDUIT PENETRATION IN FIRE RATED GWB OR PLASTER PARTITION
N.T.S.

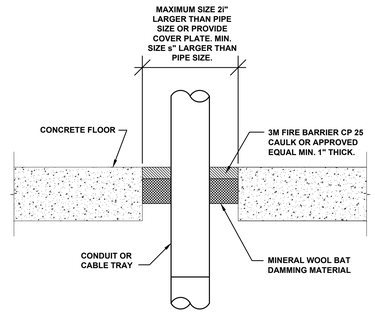


3 CONDUIT PENETRATION IN FIRE RATED MASONRY PARTITION
N.T.S.

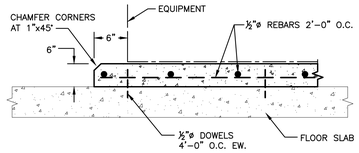


IN GENERAL, UNLESS NOTED OTHERWISE, THE FOLLOWING MOUNTING DIMENSIONS ABOVE FINISHED FLOOR SHALL BE ADHERED TO:
-RECEPTACLES - 1'-6"
-LIGHTING SWITCHES AND MANUAL MOTOR STARTER - 4'-0"
-MOTION SENSORS - 8'-0"

4 MOUNTING HEIGHTS OF ELECTRICAL DEVICES
N.T.S.

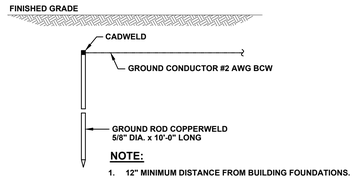


5 CONDUIT PENETRATION IN FIRE RATED CONCRETE FLOOR
N.T.S.



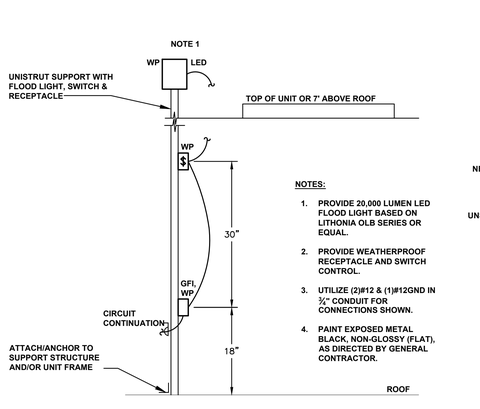
NOTE:
1. PAINT ALL CONCRETE EDGES YELLOW 4" WIDE MIN.

6 CONCRETE PAD DETAIL
N.T.S.



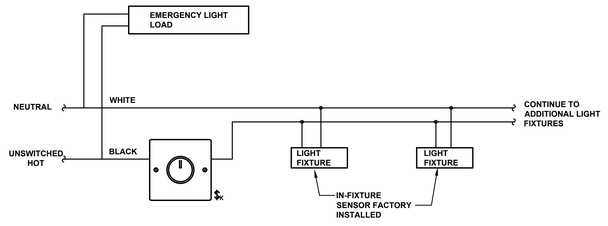
NOTE:
1. 12" MINIMUM DISTANCE FROM BUILDING FOUNDATIONS.

7 GROUND ROD DETAIL
N.T.S.



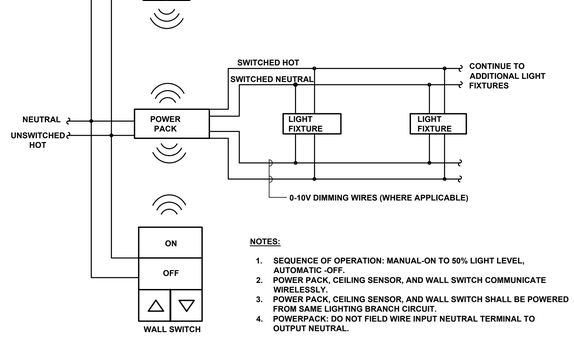
NOTES:
1. PROVIDE 20,000 LUMEN LED FLOOD LIGHT BASED ON LITHONIA OLB SERIES OR EQUAL.
2. PROVIDE WEATHERPROOF RECEPTACLE AND SWITCH CONTROL.
3. UTILIZE (2)#12 & (1)#12GND IN ¾" CONDUIT FOR CONNECTIONS SHOWN.
4. PAINT EXPOSED METAL BLACK, NON-GLOSSY (FLAT), AS DIRECTED BY GENERAL CONTRACTOR.

8 ROOFTOP UNIT LIGHTING & RECEPTACLE DETAIL
N.T.S.



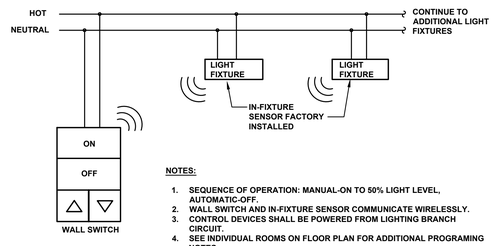
NOTES:
1. AUTOMATIC-ON, AUTOMATIC-OFF SWITCHING BASED ON SENSOR OCCUPANCY DETECTION, EACH LIGHT FIXTURE SHALL SWITCH INDIVIDUALLY.
2. SET 2-MINUTE TIME DELAY IN CORRIDORS, 15 MINUTE TIME DELAY IN BATHROOMS.
3. KEYED SWITCH PROVIDES MANUAL-OFF OVERRIDE.
4. EMERGENCY LIGHTING IN SAME SPACE SHALL BE CONNECTED TO UNSWITCHED LEG OF LIGHTING BRANCH CIRCUIT.

9 WALKTHROUGH LIGHTING CONTROL DETAIL
N.T.S.



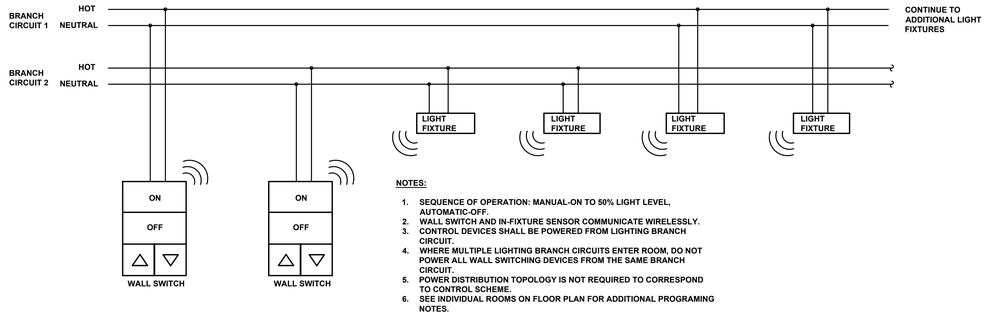
NOTES:
1. SEQUENCE OF OPERATION: MANUAL-ON TO 50% LIGHT LEVEL, AUTOMATIC -OFF.
2. POWER PACK, CEILING SENSOR, AND WALL SWITCH COMMUNICATE WIRELESSLY.
3. POWER PACK, CEILING SENSOR, AND WALL SWITCH SHALL BE POWERED FROM SAME LIGHTING BRANCH CIRCUIT.
4. POWERPACK: DO NOT FIELD WIRE INPUT NEUTRAL TERMINAL TO OUTPUT NEUTRAL.

10 TYPICAL ZONE SWITCHING DETAIL
N.T.S.



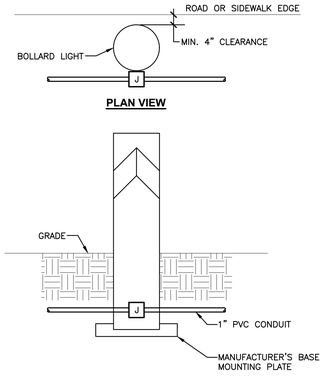
NOTES:
1. SEQUENCE OF OPERATION: MANUAL-ON TO 50% LIGHT LEVEL, AUTOMATIC-OFF.
2. WALL SWITCH AND IN-FIXTURE SENSOR COMMUNICATE WIRELESSLY.
3. CONTROL DEVICES SHALL BE POWERED FROM LIGHTING BRANCH CIRCUIT.
4. SEE INDIVIDUAL ROOMS ON FLOOR PLAN FOR ADDITIONAL PROGRAMING NOTES.

11 TYPICAL SINGLE SWITCHING DETAIL
N.T.S.

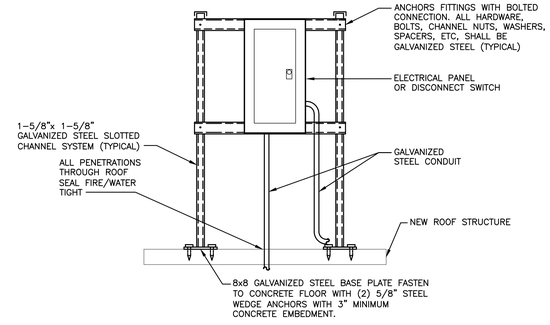


NOTES:
1. SEQUENCE OF OPERATION: MANUAL-ON TO 50% LIGHT LEVEL, AUTOMATIC-OFF.
2. WALL SWITCH AND IN-FIXTURE SENSOR COMMUNICATE WIRELESSLY.
3. CONTROL DEVICES SHALL BE POWERED FROM LIGHTING BRANCH CIRCUIT.
4. WHERE MULTIPLE LIGHTING BRANCH CIRCUITS ENTER ROOM, DO NOT POWER ALL WALL SWITCHING DEVICES FROM THE SAME BRANCH CIRCUIT.
5. POWER DISTRIBUTION TOPOLOGY IS NOT REQUIRED TO CORRESPOND TO CONTROL SCHEME.
6. SEE INDIVIDUAL ROOMS ON FLOOR PLAN FOR ADDITIONAL PROGRAMING NOTES.

12 TYPICAL MULTIPLE SWITCHING DETAIL
N.T.S.



13 BOLLARD LIGHT DETAIL
N.T.S.



6 ROOF ELECTRICAL EQUIPMENT MOUNTING DETAIL
N.T.S.

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: ELECTRICAL DETAILS
SHEET NUMBER: E-701

BID SET

DRAWN BY: AchV
CHECKED BY: DWW
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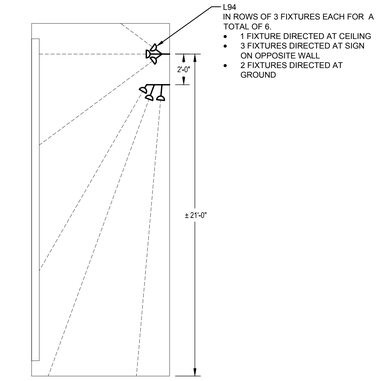
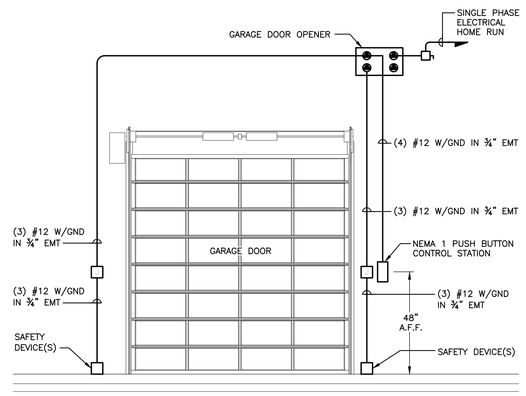
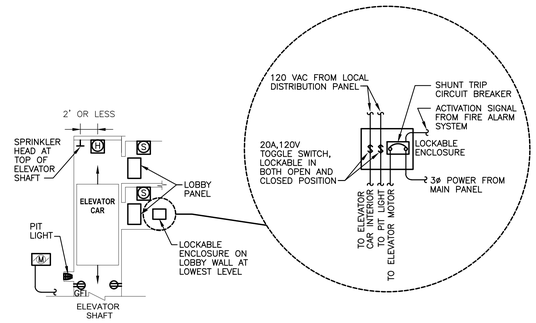


1 EAST ENTRANCE LIGHTING DETAIL
N.T.S.



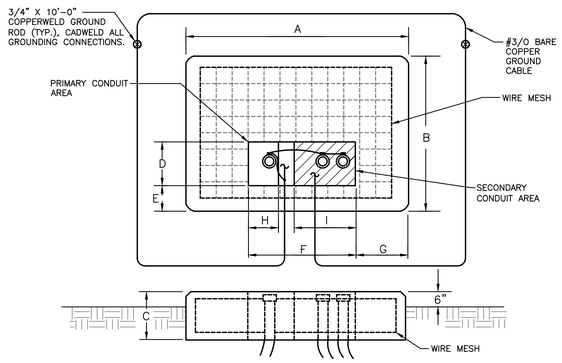
2 TYPICAL GARAGE DOOR WIRING DIAGRAM
N.T.S.



NOTE:
1. CONSULT WITH ELEVATOR MANUFACTURER FOR INTERCONNECTIONS BETWEEN SYSTEM COMPONENTS.

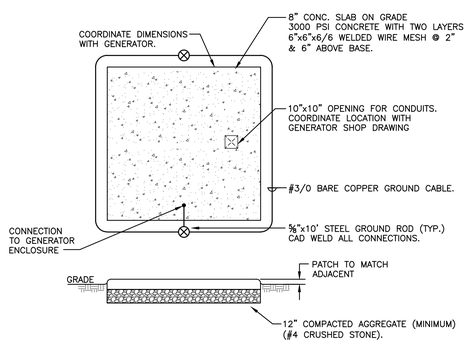
3 ELEVATOR SHAFT DETAIL (NO MACHINE ROOM)
N.T.S.

TRANSFORMER SIZE–KVA	A	B	C	D	E	F	G	H	I
75–225	8'–0"	6'–6"	1'–0"	1'–1"	1'–4"	3'–0"	2'–6"	1'–0"	1'–4"
300–500	8'–6"	7'–3"	1'–0"	1'–1"	1'–4"	3'–6"	2'–0"	1'–0"	1'–6"
750–1000	9'–0"	7'–8"	1'–0"	1'–1"	10"	3'–6"	2'–6"	1'–0"	1'–6"
1500–2500	11'–0"	9'–2"	1'–6"	1'–6"	10"	3'–6"	3'–6"	1'–0"	2'–0"



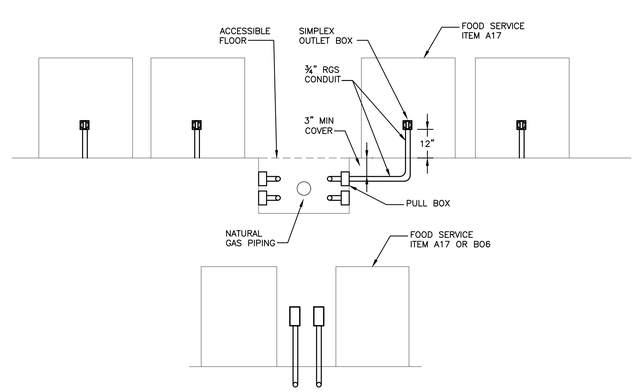
NOTES:
1. PAD SHALL HAVE 3'–0" OF CRUSHED STONE BENEATH.
2. CONCRETE PAD SHALL CONTAIN 6"x 6" x 6/6 WIRE MESH.
4. CONDUITS NOT TO EXTEND ABOVE PAD.
5. CHAMFER ALL EXPOSED EDGES.
6. IF REQUIRED, TWO (2) CONDUITS MAY BE USED IN PRIMARY CONDUIT AREA.

4 ORANGE & ROCKLAND THREE PHASE TRANSFORMER PAD DETAIL
N.T.S.



NOTES:
1. DIMENSIONS ARE SHOWN FOR ESTIMATION PURPOSES ONLY, VERIFY ALL DIMENSIONS WITH MANUFACTURER PRIOR TO CONSTRUCTION. THE CONCRETE PAD SHALL EXTEND A MINIMUM OF 6" AROUND THE GENERATOR SKID.

5 GENERATOR CONCRETE PAD DETAIL
N.T.S.



6 KITCHEN FLOOR RECEPTACLE DETAIL
N.T.S.

ARCHITECT

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD.
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: ELECTRICAL DETAILS
SHEET NUMBER: E-702

BID SET

PROJECT NUMBER: ###
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PP-1A

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 225A

LOCATION: KITCHEN #2

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1	CORRIDOR RECEP	1	0.2	20	2#12 & 1#12G IN 3/4"C	1.0			2#12 & 1#12G IN 3/4"C	15	0.8	1	110,111 FAN COIL	2
3	108,109,EA3,EA4 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		1.2		2#12 & 1#12G IN 3/4"C	15	0.8	1	CORRIDOR FAN COIL	4
5	116,117,116A,117A, 113 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			1.6	2#12 & 1#12G IN 3/4"C	20	1.2	1	GENERATOR HEATER / BATTERY CHARGER	6
7	112D RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	1.6			2#12 & 1#12G IN 3/4"C	20	1.2	1	FIRE ALARM PANEL	8
9	WATER SERVICE, ELECTRIC SERVICE RECEP	1	0.0	20	2#12 & 1#12G IN 3/4"C		4.0		3#8 & 1#10G IN 1"C	40	4.0	2	CUH STAIRWELL	10
11	NORTH STAIRCASE RECEP	1	0.0	20	2#12 & 1#12G IN 3/4"C			4.0			4.0			12
13	NORTH OUTDOOR RECEP	1	0.2	20	2#10 & 1#10G IN 3/4"C	1.7			2#10 & 1#10G IN 3/4"C	20	1.5	1	LIGHT POLE NEAR GENERATOR	14
15	ROOM 111 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		1.0		2#10 & 1#10G IN 3/4"C	20	0.6	1	FRONT YARD SIGN	16
17	ROOM 111 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.7	2#10 & 1#10G IN 3/4"C	20	0.3	1	FIRE SERVICE BOX FRONT YARD	18
19	ROOM 110 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	1.9			2#10 & 1#10G IN 3/4"C	20	1.5	1	FIRE SERVICE BOX HEATER	20
21	ROOM 110 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.4			20		1	SPARE	22
23	WIRELESS ACCESS POINTS	1	0.3	20	2#12 & 1#12G IN 3/4"C			0.3		20		1	SPARE	24
25	SPARE	1		20		0.0						1		26
27	SPARE	1		20			0.0					1		28
29		1						0.0				1		30
31		1				0.0						1		32
33		1					0.0					1		34
35	SPACE	1						0.0				1	SPACE	36
37		1				0.0						1		38
39		1					0.0					1		40
41		1						0.0				1		42
					TOTAL (PHASE):	6.2	6.6	6.6						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 200A
INTERRUPTING RATING: 22KA SYM.
FED FROM: LDP

SPARE CAPACITY 86.522 %
DEMAND FACTOR 50 %

TOTAL CONN.:	19.4	KVA
TOT. CONN. + SPARE:	72.0	KVA
DEMAND:	9.7	KVA
DEMAND:	27.0	AMPS

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

PP-1B

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 225A

LOCATION: MECH. ROOM 119

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1	CORRIDOR RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	1.6			2#12 & 1#12G IN 3/4"C	20	1.2	1	SERVER ROOM	2
3	SMOKE DAMPERS DINING ROOM	1	0.4	20	2#12 & 1#12G IN 3/4"C		1.6		2#12 & 1#12G IN 3/4"C	20	1.2	1	SERVER ROOM	4
5	SMOKE DAMPERS THIS ROOM	1	0.4	20	2#12 & 1#12G IN 3/4"C			1.6	2#12 & 1#12G IN 3/4"C	20	1.2	1	SERVER ROOM	6
7	SMOKE DAMPERS KITCHEN #3	1	0.0	20	2#12 & 1#12G IN 3/4"C	1.2			2#12 & 1#12G IN 3/4"C	20	1.2	1	SERVER ROOM	8
9	DINING ROOM NORTH RECEP	1	0.6	20	2#12 & 1#12G IN 3/4"C		0.8		2#12 & 1#12G IN 3/4"C	20	0.2	1	SERVER ROOM GEN. PURP. RECEP	10
11	DINING ROOM SOUTH RECEP	1	0.6	20	2#12 & 1#12G IN 3/4"C			0.8	2#12 & 1#12G IN 3/4"C	20	0.2	1	119 RECEP	12
13	125 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.4			2#12 & 1#12G IN 3/4"C	20	0.0	1	119 RECEP	14
15	125 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.6		2#10 & 1#10G IN 3/4"C	20	0.2	1	SOUTHWEST OUTDOOR RECEP	16
17	126 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.6	2#10 & 1#10G IN 3/4"C	20	0.2	1	SOUTHEAST OUTDOOR RECEP	18
19	126 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	101 RECEP	20
21	127 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.8		2#12 & 1#12G IN 3/4"C	20	0.4	1	101 RECEP	22
23	128 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.6	2#12 & 1#12G IN 3/4"C	20	0.2	1	ENTRY VESTIBULE SIGN LIGHT	24
25	124 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.6			2#12 & 1#12G IN 3/4"C	20	0.2	1	REAR LIGHTED SIGN	26
27	121,122,123 RECEP	1	0.2	20	2#12 & 1#12G IN 3/4"C		1.4		2#12 & 1#12G IN 3/4"C	15	1.2	1	120 FAN COIL	28
29	103 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			1.4	2#12 & 1#12G IN 3/4"C	15	1.0	1	122-128 CEILING CASETTE	30
31	103 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	1.6			2#12 & 1#12G IN 3/4"C	15	1.2	1	101-103 FAN COIL	32
33	102 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		4.4		3#8 & 1#10G IN 1"C	40	4.0	2	CUH ENTRANCE VESTIBULE	34
35	102 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			4.4			4.0			36
37	GUARD HOUSE	2	2.0	40	3#8 & 1#10G IN 1"C	6.0			3#8 & 1#10G IN 1"C	40	4.0	2	CUH ENTRANCE VESTIBULE	38
39			2.0				6.0				4.0			40
41	WIRELESS ACCESS POINTS	1	0.6	20	2#12 & 1#12G IN 3/4"C			0.6		20		1	SPARE	42
					TOTAL (PHASE):	12.2	15.6	10.0						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 200A
INTERRUPTING RATING: 22KA SYM.
FED FROM: LDP

SPARE CAPACITY 47.5 %
DEMAND FACTOR 100 %

TOTAL CONN.:	37.8	KVA
TOT. CONN. + SPARE:	72.0	KVA
DEMAND:	37.8	KVA
DEMAND:	105.0	AMPS

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

PP-1C

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 225A

LOCATION: MECHANICAL ROOM 137

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1	GYM EAST WALL RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.6			2#12 & 1#12G IN 3/4"C	20	0.2	1	GYM DIVIDER	2
3	GYM WEST WALL RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.6		2#12 & 1#12G IN 3/4"C	20	0.2	1	BASKETBALL HOOP	4
5	THIS ROOM, STORAGE ROOM RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.6	2#12 & 1#12G IN 3/4"C	20	0.2	1	BASKETBALL HOOP	6
7	LOBBY RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.6			2#12 & 1#12G IN 3/4"C	20	0.2	1	BASKETBALL HOOP	8
9	LOBBY RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.6		2#12 & 1#12G IN 3/4"C	20	0.2	1	BASKETBALL HOOP	10
11	134,135 BATHROOM RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.6	2#12 & 1#12G IN 3/4"C	20	0.2	1	BASKETBALL HOOP	12
13	FRONT LIGHTED SIGN	1	0.2	20	2#12 & 1#12G IN 3/4"C	0.4			2#12 & 1#12G IN 3/4"C	20	0.2	1	BASKETBALL HOOP	14
15	CUH ELEVATOR VESTIBULE	2	4.0	40	3#8 & 1#10G IN 1"C		4.0		2#10 & 1#10G IN 3/4"C	30	0.0	1	OVERHEAD DOOR GYMMECH ROOM	16
17			4.0					4.0	2#12 & 1#12G IN 3/4"C	20		1	ELEVATOR PIT LIGHT	18
19	CUH MENS LOCKER ROOM	2	4.0	40	3#8 & 1#10G IN 1"C	4.0			2#12 & 1#12G IN 3/4"C	20		1	ELEVATOR PIT RECEPTACLE	20
21			4.0				4.0		2#12 & 1#12G IN 3/4"C	20		1	ELEVATOR CAB LIGHTS	22
23	SCOREBOARD	1	0.2	20	2#12 & 1#12G IN 3/4"C			0.2	2#12 & 1#12G IN 3/4"C	20		1	ELEVATOR SERVICE RECEPTACLE	24
25	SCOREBOARD	1	0.2	20	2#12 & 1#12G IN 3/4"C	0.2			2#12 & 1#12G IN 3/4"C	20		1	ELEVATOR PIT SUMP PUMP	26
27	FRONT GATE HOUSE	2	3.0	40	3#8 & 1#10G IN 1"C		3.0					1	SPARE	28
29			3.0					3.0				1	SPARE	30
31	SPARE	1		20		0.0						1		32
33	SPARE	1		20			0.0					1		34
35		1						0.0				1		36
37	SPACE	1				0.0						1	SPACE	38
39		1					0.0					1		40
41		1						0.0				1		42
					TOTAL (PHASE):	5.8	12.2	8.4						

ENCLOSURE: NEMA 1
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 200A
INTERRUPTING RATING: 22KA SYM.
FED FROM: LDP

SPARE CAPACITY 63.3 %
DEMAND FACTOR 100 %

TOTAL CONN.:	26.4	KVA
TOT. CONN. + SPARE:	72.0	KVA
DEMAND:	26.4	KVA
DEMAND:	73.4	AMPS

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

PP-2A

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 225A

LOCATION: CORRIDOR NEAR CLASSROOM 208

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1	204 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.6			2#10 & 1#10G IN 3/4"C	20	0.2	1	PORCH RECEP	2
3	204 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.8		2#12 & 1#12G IN 3/4"C	20	0.4	1	CORRIDOR RECEP	4
5	205 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			2.0	2#12 & 1#12G IN 3/4"C	15	1.6	1	204, 205, 206, 207 FAN COIL	6
7	205 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	2.0			2#12 & 1#12G IN 3/4"C	15	1.6	1	208, 209, 210, 211 FAN COIL	8
9	206 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.7		2#12 & 1#12G IN 3/4"C	15	0.3	1	TX-1	10
11	206 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.7	2#12 & 1#12G IN 3/4"C	15	0.3	1	TX-2	12
13	207 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.6			2#12 & 1#12G IN 3/4"C	20	0.2	1	ROOFTOP LIGHT AND RECEP	14
15	207 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.6		2#12 & 1#12G IN 3/4"C	20	0.2	1	ROOFTOP LIGHT AND RECEP	16
17	208 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			4.4	3#8 & 1#10G IN 1"C	40	4.0	2	CUH STAIRWELL	18
19	208 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	4.4					4.0			20
21	209 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		1.6		2#12 & 1#12G IN 3/4"C	20	1.2	1	WIRELESS ACCESS POINTS	22
23	209 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.6	2#12 & 1#12G IN 3/4"C	20	0.2	1	ROOFTOP LIGHT AND RECEP	24
25	210 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.4				20		1	SPARE	26
27	210 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.4			20		1	SPARE	28
29	211 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.4		20		1	SPARE	30
31	211 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.4				20		1	SPARE	32
33		1					0.0					1		34
35		1						0.0				1		36
37	SPACE	1				0.0						1	SPACE	38
39		1					0.0					1		40
41		1						0.0				1		42
					TOTAL (PHASE):	8.4	4.1	8.1						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 200A
INTERRUPTING RATING: 22KA SYM.
FED FROM: LDP

SPARE CAPACITY 71.4 %
DEMAND FACTOR 100 %

TOTAL CONN.:	20.6	KVA
TOT. CONN. + SPARE:	72.0	KVA
DEMAND:	20.6	KVA
DEMAND:	57.2	AMPS

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

PP-2B

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 225A

LOCATION: CORRIDOR NEAR JANITOR 214

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1	216,216A,219 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	CORRIDOR RECEP	2
3	214,215,228,229 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		1.6		2#12 & 1#12G IN 3/4"C	20	1.2	1	SERVER ROOM	4
5	218 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			1.6	2#12 & 1#12G IN 3/4"C	20	1.2	1	SERVER ROOM	6
7	218 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	1.6			2#12 & 1#12G IN 3/4"C	20	1.2	1	SERVER ROOM	8
9	218 COUNTERTOP RECEP	1	0.8	20	2#12 & 1#12G IN 3/4"C		2.0		2#12 & 1#12G IN 3/4"C	20	1.2	1	SERVER ROOM	10
11	218 COUNTERTOP RECEP	1	0.8	20	2#12 & 1#12G IN 3/4"C			1.2	2#12 & 1#12G IN 3/4"C	20	0.4	1	213 RECEP	12
13	212 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	213 RECEP	14
15	212 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		1.4		2#12 & 1#12G IN 3/4"C	15	1.0	1	218 FAN COIL, CEILING CASSETES	16
17	212 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			1.2	2#12 & 1#12G IN 3/4"C	15	0.8	1	212, 213 FAN COIL	18
19	212 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.7			2#12 & 1#12G IN 3/4"C	15	0.3	1	TX-3	20
21	212 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.6		2#12 & 1#12G IN 3/4"C	20	0.2	1	ROOFTOP LIGHT AND RECEP	22
23	212 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.6	2#12 & 1#12G IN 3/4"C	20	0.2	1	ROOFTOP LIGHT AND RECEP	24
25	212 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	1.8			2#12 & 1#12G IN 3/4"C	20	1.4	1	WIRELESS ACCESS POINT	26
27	CHEMISTRY EXHAUST HOOD	1	0.1	20	2#12 & 1#12G IN 3/4"C		0.1					1	SPARE	28
29	SPARE	1		20				0.0				1	SPARE	30
31	SPARE	1				0.0						1		32
33		1					0.0					1		34
35	SPACE	1						0.0				1		36
37		1				0.0						1	SPACE	38
39		1					0.0					1		40
41		1						0.0				1		42
					TOTAL (PHASE):	5.7	5.7	4.6						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 200A
INTERRUPTING RATING: 22KA SYM.
FED FROM: LDP

SPARE CAPACITY 77.8 %
DEMAND FACTOR 100 %

TOTAL CONN.:	16.0	KVA
TOT. CONN. + SPARE:	72.0	KVA
DEMAND:	16.0	KVA
DEMAND:	44.5	AMPS

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

PP-2C

23-284 ROCKLAND BOCES CTECH
RATING: 208/120V, 4W, 3PH, 225A

LOCATION: CORRIDOR NEAR CONFERENCE 226

CKT NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT NO.
1	220A RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	CORRIDOR RECEP	2
3	221 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.8		2#12 & 1#12G IN 3/4"C	20	0.4	1	220 RECEP	4
5	222 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.8	2#12 & 1#12G IN 3/4"C	20	0.4	1	220 RECEP	6
7	223 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	1.2			2#12 & 1#12G IN 3/4"C	20	0.8	1	220 COUNTERTOP RECEP	8
9	224 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.8		2#12 & 1#12G IN 3/4"C	20	0.4	1	201 RECEP	10
11	225 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C			0.8	2#12 & 1#12G IN 3/4"C	20	0.4	1	201 RECEP	12
13	226 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.8			2#12 & 1#12G IN 3/4"C	20	0.4	1	202 RECEP	14
15	227 RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C		0.8		2#12 & 1#12G IN 3/4"C	20	0.4	1	202 RECEP	16
17	LOBBY UPPER LEVEL RECEP	1	0.2	20	2#12 & 1#12G IN 3/4"C			0.6	2#12 & 1#12G IN 3/4"C	20	0.4	1	203 RECEP	18
19	FITNESS CENTER RECEP	1	1.0	20	2#12 & 1#12G IN 3/4"C	1.4			2#12 & 1#12G IN 3/4"C	20	0.4	1	203 RECEP	20
21	FITNESS CENTER RECEP	1	1.0	20	2#12 & 1#12G IN 3/4"C		2.2		2#12 & 1#12G IN 3/4"C	15	1.2	1	201, 202, 203 FAN COIL	22
23	FITNESS CENTER RECEP	1	1.0	20	2#12 & 1#12G IN 3/4"C			1.3	2#12 & 1#12G IN 3/4"C	15	0.3	1	TX-4	24
25	230A RECEP	1	0.4	20	2#12 & 1#12G IN 3/4"C	0.6			2#12 & 1#12G IN 3/4"C	20	0.2	1	ROOFTOP LIGHT AND RECEP	26
27	220, 220A FAN COIL, CEILING CASSETES	1	0.9	15	2#12 & 1#12G IN 3/4"C		1.1		2#12 & 1#12G IN 3/4"C	20	0.2	1	ROOFTOP LIGHT AND RECEP	28
29	221 - 227 CEILING CASSETE	1	0.7	15	2#12 & 1#12G IN 3/4"C			1.1		20	0.4	1	WIRELESS ACCESS POINTS	30
31	SPARE	1		20		0.0				20		1	SPARE	32
33	SPARE	1		20			0.0			20		1	SPARE	34
35		1						0.0				1		36
37	SPACE	1				0.0						1	SPACE	38
39		1					0.0					1		40
41		1						0.0				1		42
					TOTAL (PHASE):	4.8	5.7	4.6						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 200A
INTERRUPTING RATING: 22KA SYM.
FED FROM: LDP

SPARE CAPACITY 79.0 %
DEMAND FACTOR 100 %

TOTAL CONN.:	15.1	KVA
TOT. CONN. + SPARE:	72.0	KVA
DEMAND:	15.1	KVA
DEMAND:	42.0	AMPS

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

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NY PROFESSIONAL ENGINEER
NO. 085731--1
ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: ELECTRICAL SCHEDULES
SHEET NUMBER: E-801

BID SET

PROJECT NUMBER: ###
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LP-1

23-284 ROCKLAND BOCES CTECH
RATING: 480/277V, 4W, 3PH, 100A

LOCATION: MECH. ROOM 119

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	134,135,136A,137, LOBBY LOWER LEVEL LIGHTING	1	0.9	20	2#12 & 1#12G IN 3/4"C	0.9			2#10 & 1#10G IN 3/4"C	20	0.0	1	EXTERIOR LIGHTING	2
3	119,120, 122-129 LIGHTING	1	2.6	20	2#12 & 1#12G IN 3/4"C		2.6		2#10 & 1#10G IN 3/4"C	20	0.0	1	1ST FLOOR EMERGENCY LIGHTS	4
5	MAIN CORRIDOR, STAIRWELL LIGHTING	1	0.9	20	2#12 & 1#12G IN 3/4"C			0.9	2#10 & 1#10G IN 3/4"C	20		1	WALKWAY BOLLARD / CANOPY LIGHTING	6
7	116,117,KITCHEN#2 LIGHTING	1	2.3	20	2#12 & 1#12G IN 3/4"C	2.3				20		1	SPARE	8
9	KITCHEN#1, WATER SERVICE, ELECTRIC SERVICE LIGHTING	1	1.0	20	2#12 & 1#12G IN 3/4"C		1.0			20		1	SPARE	10
11	101-104,KITCHEN#3 LIGHTING	1	1.9	20	2#12 & 1#12G IN 3/4"C			1.9				1		12
13	106-110 LIGHTING	1	1.2	20	2#12 & 1#12G IN 3/4"C	1.2						1		14
15	SPARE	1		20			0.0					1		16
17	SPARE	1		20				0.0				1		18
19		1				0.0						1		20
21		1					0.0					1		22
23	SPACE	1						0.0				1	SPACE	24
25		1				0.0						1		26
27		1					0.0					1		28
29		1						0.0				1		30
					TOTAL (PHASE):	4.4	3.6	2.8						

ENCLOSURE: NEMA 1
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 100A
INTERRUPTING RATING: 25KA SYM.
FED FROM: HDP

TOTAL CONN.:	10.8	KVA
TOT. CONN. + SPARE:	83.0	KVA
DEMAND:	10.8	KVA
DEMAND:	13.0	AMPS

SPARE CAPACITY 87.0 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

LP-2

23-284 ROCKLAND BOCES CTECH
RATING: 480/277V, 4W, 3PH, 100A

LOCATION: CORRIDOR NEAR JANITOR 214

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1	GYMNASIUM LIGHTING	1	3.2	20	2#12 & 1#12G IN 3/4"C	3.5								
3	FITNESS CENTER LIGHTING	1	0.7	20	2#12 & 1#12G IN 3/4"C		0.7		2#10 & 1#10G IN 3/4"C	20	0.0	1	2ND FLOOR EMERGENCY LIGHTS	4
5	LOBBY UPPER LEVEL LIGHTING	1	1.2	20	2#12 & 1#12G IN 3/4"C			1.2		20		1	SPARE	6
7	214-227 LIGHTING	1	3.1	20	2#12 & 1#12G IN 3/4"C	3.1				20		1	SPARE	8
9	MAIN CORRIDOR LIGHTING	1	1.0	20	2#12 & 1#12G IN 3/4"C		1.0					1		10
11	201-208 LIGHTING	1	3.3	20	2#12 & 1#12G IN 3/4"C			3.3				1		12
13	209-213 LIGHTING	1	1.9	20	2#12 & 1#12G IN 3/4"C	1.9						1		14
15	SPARE	1		20	2#12 & 1#12G IN 3/4"C		0.0					1		16
17	SPARE	1		20	2#12 & 1#12G IN 3/4"C			0.0				1		18
19		1		20	2#12 & 1#12G IN 3/4"C	0.0						1		20
21		1		20	2#12 & 1#12G IN 3/4"C		0.0					1		22
23	SPACE	1		20	2#12 & 1#12G IN 3/4"C			0.0				1	SPACE	24
25		1		20	2#12 & 1#12G IN 3/4"C	0.0						1		26
27		1		20	2#12 & 1#12G IN 3/4"C		0.0					1		28
29		1		20	2#12 & 1#12G IN 3/4"C			0.0				1		30
					TOTAL (PHASE):	8.5	1.7	4.5						

ENCLOSURE: NEMA 1
MOUNTING: FLUSH
MAIN CIRCUIT BREAKER: 100A
INTERRUPTING RATING: 25KA SYM.
FED FROM: HDP

TOTAL CONN.:	14.7	KVA
TOT. CONN. + SPARE:	83.0	KVA
DEMAND:	14.7	KVA
DEMAND:	17.7	AMPS

SPARE CAPACITY 82.3 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

RP-1

23-284 ROCKLAND BOCES CTECH
RATING: 480/277V, 4W, 3PH, 400A

LOCATION: ROOF

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1			16.6			33.2					16.6			2
3	HPCC-1	3	16.6	60	4#6 & 1#10G IN 1-1/4"C		33.2		4#6 & 1#10G IN 1-1/4"C	60	16.6	3	HPCC-2	4
5			16.6					33.2			16.6			6
7			17.7			20.4					2.7			8
9	DOAS-1	3	17.7	80	4#4 & 1#8G IN 1-1/4"C		20.4		4#12 & 1#12G IN 3/4"C	20	2.7	3	KX-3	10
11			17.7					20.4			2.7			12
13			14.7			29.4					14.7			14
15	HPCC-3	3	14.7	60	4#6 & 1#10G IN 1-1/4"C		29.4		4#6 & 1#10G IN 1-1/4"C	60	14.7	3	HPCC-4	16
17			14.7					29.4			14.7			18
19			5.3			5.3								20
21	MUA-3A	3	5.3	30	4#10 & 1#10G IN 3/4"C		5.3			15		3	SPARE	22
23			5.3					5.3						24
25						0.0								26
27	SPARE	3		20			0.0			20		3	SPARE	28
29								0.0						30
31						0.0								32
33		3					0.0					3		34
35	SPACE							0.0					SPACE	36
37						0.0								38
39		3					0.0					3		40
41								0.0						42
					TOTAL (PHASE):	88.3	88.3	88.3						

ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 400A
INTERRUPTING RATING: 25KA SYM.
FED FROM: HDP

TOTAL CONN.:	264.9	KVA
TOT. CONN. + SPARE:	332.2	KVA
DEMAND:	264.9	KVA
DEMAND:	319.0	AMPS

SPARE CAPACITY 20.2 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

RP-2

23-284 ROCKLAND BOCES CTECH
RATING: 480/277V, 4W, 3PH, 400A

LOCATION: ROOF

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1						5.3					5.3			2
3	SPARE	3		30			5.3		4#10 & 1#10G IN 3/4"C	30	5.3	3	MUA-3B	4
5								5.3			5.3			6
7			11.7			23.4					11.7			8
9	HPCC-5	3	11.7	45	4#8 & 1#10G IN 1"C		23.4		4#8 & 1#10G IN 1"C	45	11.7	3	HPCC-6	10
11			11.7					23.4			11.7			12
13			5.3			10.6					5.3			14
15	MUA-1A	3	5.3	30	4#10 & 1#10G IN 3/4"C		10.6		4#10 & 1#10G IN 3/4"C	30	5.3	3	MUA-1B	16
17			5.3					10.6			5.3			18
19			2.7			5.4					2.7			20
21	KX-1	3	2.7	20	4#12 & 1#12G IN 3/4"C		5.4		4#12 & 1#12G IN 3/4"C	20	2.7	3	KX-2	22
23			2.7					5.4			2.7			24
25			5.9			11.8					5.9			26
27	HPCC-7	3	5.9	25	4#10& 1#10G IN 3/4"C		11.8		4#10& 1#10G IN 3/4"C	25	5.9	3	HPCC-8	28
29			5.9					11.8			5.9			30
31			6.9			13.8					6.9			32
33	MUA-2	3	6.9	45	4#8 & 1#10G IN 1"C		13.8		4#10 & 1#10G IN 3/4"C	30	6.9	3	ACCU-1	34
35			6.9					13.8			6.9			36
37			8.3			15.2					6.9			38
39	ACCU-2	3	8.3	35	4#8 & 1#10G IN 3/4"C		15.2		4#10 & 1#10G IN 3/4"C	30	6.9	3	ACCU-3	40
41			8.3					15.2			6.9			42
					TOTAL (PHASE):	85.5	85.5	85.5						

ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 400A
INTERRUPTING RATING: 25KA SYM.
FED FROM: MDP

TOTAL CONN.:	256.5	KVA
TOT. CONN. + SPARE:	332.2	KVA
DEMAND:	256.5	KVA
DEMAND:	308.9	AMPS

SPARE CAPACITY 22.8 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

RP-3

23-284 ROCKLAND BOCES CTECH
RATING: 480/277V, 4W, 3PH, 400A

LOCATION: ROOF

CKT. NO.	CIRCUIT DESCRIPTION	POLE	LOAD KVA	BKR.	BRANCH CIRCUIT	A	B	C	BRANCH CIRCUIT	BKR.	LOAD KVA	POLE	CIRCUIT DESCRIPTION	CKT. NO.
1			4.6			9.2					4.6			2
3	HPCC-9	3	4.6	20	4#12 & 1#12G IN 3/4"C		9.2		4#12 & 1#12G IN 3/4"C	20	4.6	3	HPCC-10	4
5			4.6					9.2			4.6			6
7			9.2			18.4					9.2			8
9	ACCU-4A	3	9.2	40	4#8 & 1#10G IN 1"C		18.4		4#6 & 1#10G IN 1-1/4"C	60	9.2	3	ACCU-4B	10
11			9.2					18.4			9.2			12
13			6.0			12.1					6.1			14
15	RTU-1	3	6.0	30	4#10 & 1#10G IN 3/4"C		12.1		4#10 & 1#10G IN 3/4"C	30	6.1	3	RTU-2	16
17			6.0					12.1			6.1			18
19			19.2			20.5					1.3			20
21	DOAS-2	3	19.2	100	4#3 & 1#8G IN 1-1/2"C		20.5		4#12 & 1#12G IN 3/4"C	15	1.3	3	GYM EXHAUST FAN	22
23			19.2					20.5			1.3			24
25			26.7			27.4					0.7			26
27	GYM ELECTRIC HEATER	3	26.7	125	4#1 & 1#6G IN 2"C		27.4		4#12 & 1#12G IN 3/4"C	15	0.7	3	CHEMISTRY EXHAUST FAN	28
29			26.7					27.4			0.7			30
31						0.0								32
33	SPARE	3		20			0.0			20		3	SPARE	34
35								0.0						36
37						0.0								38
39	SPACE	3					0.0					3	SPACE	40
41								0.0						42
					TOTAL (PHASE):	87.6	87.6	87.6						

ENCLOSURE: NEMA 3R
MOUNTING: SURFACE
MAIN CIRCUIT BREAKER: 400A
INTERRUPTING RATING: 25KA SYM.
FED FROM: HDP

TOTAL CONN.:	262.8	KVA
TOT. CONN. + SPARE:	332.2	KVA
DEMAND:	262.8	KVA
DEMAND:	316.5	AMPS

SPARE CAPACITY 20.9 %
DEMAND FACTOR 100 %

NOTES
1. ALL BUSING TO BE COPPER
2. BOLT ON BREAKERS ONLY
3. ALL WIRE SIZES ARE BASED ON 75 DEGREE WIRE

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FE #: 23-284

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JOHN D. FELLENZER, P.E.

NY PROFESSIONAL ENGINEER
NO. 086373-1
ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: ELECTRICAL SCHEDULES
SHEET NUMBER: E-802

BID SET

DRAWN BY: AchA
CHECKED BY: JohnF
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5/16/2024 9:02:28 AM
PROJECT NUMBER: ###
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GENERAL NOTES:

1. THE DRAWINGS ON THESE PLANS ARE DIAGRAMMATIC. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH OTHER TRADES AND THE BUILDING STRUCTURE. NO EXTRA PAYMENTS WILL BE AUTHORIZED FOR REROUTING OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH OTHER SYSTEMS.
2. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING OF WALLS, FLOORS AND CEILINGS AS REQUIRED FOR INSTALLATION OF HIS WORK.
3. THIS CONTRACTOR SHALL FURNISH AND INSTALL ACCESS PANELS AS REQUIRED WHERE ACCESSIBILITY TO COMPONENTS (VALVES, TRAPS, CLEANOUTS, ETC.) IS REQUIRED FOR MAINTENANCE AND/OR SYSTEM OPERATION.
4. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.
5. ALL PENETRATIONS THROUGH FOUNDATIONS AND EXTERIOR WALLS SHALL BE SEALED WITH EDPM OR EDPM RUBBER GASKET AND SEALED WITH A WATERPROOF, NON-HARDENING SEALANT.
6. FURNISH AND INSTALL UNDER SINK PROTECTIVE PIPE COVER KITS ON EXPOSED PIPING AT ALL ADA ACCESSIBLE SINKS AND LAVATORIES.
7. COORDINATE FIXTURE ROUGH-INS AND INSTALLATIONS WITH THE ARCHITECTURAL PLANS.
8. ALL EXPOSED DOMESTIC WATER DISTRIBUTION PIPING IS TO BE INSULATED.
9. PROVIDE SHUT-OFF VALVES AT ALL BRANCH PIPING TAKE-OFFS (UNO) AND AT ALL CONNECTIONS TO EQUIPMENT. PROVIDE UNIONS AT ALL EQUIPMENT CONNECTIONS.
10. PROVIDE DRAINS WITH HOSE ADAPTERS AND CAPS ON PIPING AT ALL LOW POINTS. PROVIDE MANUAL VENTS ON PIPING AT ALL HIGH POINTS.
11. COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR.
12. ALL REQUIRED MOTOR STARTERS SHALL BE FURNISHED BY THIS CONTRACTOR AND INSTALLED BY THE E.C.
13. ALL REQUIRED CONTROL EQUIPMENT AND WIRING SHALL BE FURNISHED & INSTALLED BY THIS CONTRACTOR.
14. WHERE INSTALLATION OR REMOVAL OF BELOW-SLAB PIPING IS INDICATED IN EXISTING CONCRETE SLAB, THIS CONTRACTOR SHALL SAW-CUT AND EXCAVATE THE EXISTING SLAB AS REQUIRED. UPON COMPLETION OF WORK, THIS CONTRACTOR SHALL PATCH THE CONCRETE SLAB. FLOOR FINISH WORK BY G.C.
15. THE TERMS "PROVIDE" OR "FURNISH", AS USED ON THESE PLANS, INDICATE THAT THE CONTRACTOR IS TO FURNISH AND INSTALL THE REFERENCED EQUIPMENT OR SYSTEMS IN THEIR ENTIRETY AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
16. CONTRACTOR SHALL PROVIDE ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
17. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
18. IT IS THE INTENT AND PURPOSE OF THESE SPECIFICATIONS AND DRAWINGS TO INCLUDE AND PROVIDE FOR ALL MATERIALS, APPLIANCES AND LABOR TO PROPERLY COMPLETE AND LEAVE IN PERFECT WORKING CONDITION THE ENTIRE SYSTEM HEREINAFTER SPECIFIED. ANY MATERIAL, LABOR OR APPLIANCE NOT SPECIFICALLY MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE DRAWINGS, BUT NECESSARY FOR A COMPLETE INSTALLATION MUST BE FURNISHED BY THIS CONTRACTOR.

GENERAL PLUMBING NOTES:

1. KITCHEN FIXTURES ONLY SHALL BE SERVED WITH (140°F) HOT WATER. (120°F) HOT WATER WILL SERVE HAND WASHING FIXTURES IN KITCHEN.
2. ALL OTHER AREAS SHALL BE SERVED WITH (110°F) HOT WATER. MAXIMUM OUTLET TEMPERATURE FOR ANY FIXTURE (EXCEPT THOSE IN KITCHEN) SHALL BE SET @ 100°F.
3. ALL PLUMBING SUPPLY, SANITARY, VENT & STORM PIPING SHOWN SHALL BE INSTALLED IN THE CEILING OF THE FLOOR PLAN SHOWN, UNLESS OTHERWISE NOTED.
4. PLUMBING CONTRACTOR IS RESPONSIBLE FOR OWN CUTTING & PATCHING AS REQUIRED. FINISHING SHALL BE BY GENERAL CONTRACTOR.
5. INSTALL SECTIONALIZING VALVES AT ALL MAIN "T" ON DOMESTIC HOT & COLD WATER SERVICE.
6. VENT PIPING UNDER SLABS SHALL BE A MINIMUM OF 2".
7. WASTE PIPING UNDER SLABS SHALL BE A MINIMUM OF 3".
8. ALL ACID WASTE & VENT PIPING FROM SCIENCE & PREP ROOMS SHALL BE:
   - ENFIELD CHEMICAL WASTE PIPING & FITTINGS OF FLAME RETARDANT POLYPROPYLENE.
   - JOINT SHALL BE ENFIELD "INFUSION" ELECTROFUSION FITTINGS.
   - CONNECTIONS TO EQUIPMENT, TRAPS & DEVICES REQUIRING MAINTENANCE SHALL BE MECHANICAL JOINT.
   - NSF LISTED, SCHEDULE 40.
9. ALL PLUMBING FIXTURES AND TRIM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS ALL ADA AND ANSI-A-117.1 REQUIREMENTS.
10. ALL CLASSROOM, SCIENCE, ART & HOME ECONOMICS ROOMS FIXTURES SUPPLIED AND PLACED BY OTHERS AS REQUIRED EXCEPT THESE NOTED IN LEGEND & SCHEDULE. PLUMBING CONTRACTOR RESPONSIBLE FOR ALL ROUGH-INS & FINAL CONNECTIONS. COORDINATE WITH CASEWORK LAYOUT & ARCHITECT FOR EXACT LOCATIONS.
11. KITCHEN, SCIENCE, ART, & HOME ECONOMICS ROOM LAYOUT NOT SHOWN ON PLANS. PLUMBING CONTRACTOR TO COORDINATE W/ CASEWORK CONTRACTOR & ARCHITECT IN-FIELD FOR EXACT LOCATIONS. DRAINS & SUPPLY PIPING SHOWN ON PLANS IN APPROXIMATE LOCATIONS.
12. INSTALL CONDENSATION CONTROL INSULATION: MINIMUM 1"-INCH THICK FOR ALL PIPE SIZES.
    A. COOLING COIL CONDENSATION PIPING TO WASTE PIPING FIXTURE OR INLET. (COORDINATE W/ MECHANICAL CONTRACTOR).
    B. PLUMBING PIPING AS FOLLOWS:
       a. BODY OF ROOF DRAINS AND STORM PIPE OF HORIZONTAL & VERTICAL RUNS, & OFFSETS (INCLUDING ELBOWS) OF INTERIOR DOWN SPOUT PIPING IN ALL AREAS.
       b. WASTE PIPING FROM ELECTRIC WATER COOLERS TO DRAINAGE SYSTEM.
       c. WASTE PIPING LOCATED ABOVE BASEMENT FLOOR FROM AIR HANDLING UNITS, FROM FIXTURE (INCLUDING TRAP) TO MAIN VERTICAL WASTE PIPE. (COORDINATE W/ MECHANICAL CONTRACTOR).
       d. COLD WATER PIPING.
13. HOT & HOT WATER RETURN PIPING SHALL BE INSULATED PER WRITTEN SPECIFICATIONS AND NYS ENERGY CONSERVATION CONSTRUCTION CODE.
14. PLUMBING CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ROOF DRAINS AND FOR ADDITIONAL ROOF DRAIN WORK NOT SHOWN ON PLUMBING DRAWING.
15. ROOF LEADERS MUST BE CONVEYED INDEPENDENTLY FROM SANITARY SEWER SYSTEMS, (STORM DRAIN SHALL NEVER TIE INTO SANITARY SEWER SYSTEM).
16. UNLESS OTHERWISE NOTED, ALL VALVES 2"Ø & SMALLER SHALL BE QUARTER-TURN BALL VALVES AND ALL VALVES 2½" & LARGER SHALL BE GATE VALVES. ALL VALVES SHALL BE OF FULL-PORT DESIGN.
17. PLUMBING CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED & PAY ALL FEES.
18. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCHING BEDDING AND BACK FILLING AS PER SPECIFICATIONS. ALL TRENCH WORK TO BE COORDINATED WITH THE GENERAL CONSTRUCTION CONTRACTOR.
19. ALL PENETRATIONS THROUGH FIRE RATED PARTITIONS SHALL BE SEALED FIRE AND SMOKE TIGHT WITH AN APPROPRIATE U.L. LISTED FIRESTOPPING MATERIAL AND OR SYSTEM.

KITCHEN PLUMBING NOTES:

1. EQUIPMENT SUPPLIED BY A VENDOR OTHER THAN THE KEC HAVE ALL PLUMBING, ELECTRICAL, AND HVAC MECHANICAL CONNECTIONS VERIFIED PRIOR TO CONSTRUCTION.
2. ALL ROUGH-INS MUST BE MADE IN ACCORDANCE WITH ALL APPLICABLE STATE & LOCAL CODES.
3. REFER TO EQUIPMENT SPECIFICATIONS BOOKLET FOR ADDITIONAL INFORMATION ON SUPPLIED KITCHEN EQUIPMENT.
4. ALL ROUGH-INS AND FINAL CONNECTIONS TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR.
5. GAS MAIN TO KITCHEN AREA REQUIRES A ELECTRIC-ACTUATED GAS SHUT OFF SOLENOID VALVE TO BE SUPPLIED & INSTALLED BY THE PLUMBING CONTRACTOR UNLESS OTHERWISE NOTED.
6. KITCHEN EQUIPMENT CONTRACTOR TO FURNISH GAS COOKING EQUIPMENT WITH PRESSURE REGULATORS & ALL OTHER APPURTENANCES REQUIRED PER MANUFACTURERS SPECIFICATIONS AND LOCAL CODES.
7. ALL INDIRECT DRAINS LINES ARE TO BE PIPED TO FLOOR DRAINS BY PLUMBING CONTRACTOR AND AIR GAPPED AS PER CODE.
8. PLUMBING CONTRACTOR TO FURNISH AND INSTALL HOT AND COLD WATER LINE CHECK VALVES AT ALL SPRAY SYSTEM UNIT MIXING VALVES.
9. KITCHEN EQUIPMENT TO BE PROVIDED & SET IN PLACE BY KITCHEN CONTRACTOR. ALL ROUGH-INS FINAL CONNECTIONS BY PLUMBING CONTRACTOR. COORDINATE WITH KITCHEN CONTRACTOR FOR EXACT LOCATIONS.
10. ALL FAUCETS FOR FOOD SERVICE EQUIPMENT FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR TO BE INSTALLED BY P.C.
11. SEE DWG (#) FOR ENLARGED KITCHEN LAYOUT PLAN, DETAILS, NOTES & MORE INFORMATION.
12. ALL APPURTENANCES AND SPECIALTIES REQUIRED FOR KITCHEN EQUIPMENT (GAS PRESSURE REGULATORS, WATER PRESSURE REDUCING VALVES, ETC.) TO BE FURNISHED BY KITCHEN EQUIPMENT CONTRACTOR AND INSTALLED BY PLUMBING CONTRACTOR.

DOMESTIC WATER HEATER NOTES:

1. PIPE P&T VALVE TO FLOOR DRAIN.
2. PROVIDE BOILER DRAINS FOR EACH HEATER.
3. PROVIDE 4" CONCRETE HOUSEKEEPING PAD UNDER WATER HEATERS AND EXPANSION TANK.
4. PROVIDE UNIONS AT INLET AND OUTLET CONNECTIONS TO ALL EQUIPMENT.
5. ALL VALVES TO BE 1/4 TURN BALL VALVES, FULL PORT, UNLESS OTHERWISE NOTED.
6. INDEPENDENTLY SUPPORT PUMPS AS NECESSARY. ELECTRICAL CONNECTION BY E.C. & CONTROLS OR BY P.C.
7. MOTORIZED SOLENOID VALVES FOR SAFETY SHUTDOWN SHALL BE INSTALLED WITH AQUASTAT CONTROLLER SET AT +15°F ABOVE DELIVERY TEMPERATURE (ADJUSTABLE). VALVES SHALL BE SELF CONTAINED, AUTOMATIC RESETTING.

PIPING SYMBOLS

- DIRECTION OF FLOW
- ANCHOR
- PIPE GUIDE
- REDUCER OR INCREASER
- ECCENTRIC REDUCER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- PIPE DOWN TURN
- PIPE RISE
- UNION
- DIRECTION OF PIPE PITCH (DOWN)

PLUMBING LINE TYPES

- CD — CONDENSATE DRAIN
- CW — COLD WATER SUPPLY
- HWR — HOT WATER RETURN
- HW — HOT WATER SUPPLY
- HT — 140° HOT WATER RETURN
- HT — 140° HOT WATER SUPPLY
- GW — GREASE WASTE
- SAN — SANITARY LINE
- ST — STORM LINE
- STOF — STORM OVERFLOW LINE
- VENT PIPE
- W — WATER LINE

GENERAL SYMBOLS

- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- INDICATES SECTION LETTER
- INDICATES DRAWING NUMBER WHERE LOCATED
- PUMP

VALVE SYMBOLS

- GATE VALVE - THREADED/FLANGED
- CHECK VALVE
- BALL VALVE
- TEMPERATURE & PRESSURE RELIEF VALVE
- SAFETY OR PRESSURE RELIEF VALVE
- AUTOMATIC BALANCING CONTROL VALVE
- CIRCUIT SETTER VALVE

ABBREVIATIONS

A	MEDICAL AIR
ACT	ACOUSTIC CEILING TILE
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
AW	ACID WASTE PIPE
BTUH	BRITISH THERMAL UNITS/HOUR
CLG	CEILING
CO	CLEAN OUT
CP	CONDENSATE PUMP
CW	DOMESTIC COLD WATER
DIA	DIAMETER
D	DRAIN
DN	DOWN
DP	DIFFERENTIAL PRESSURE
E.C.	ELECTRICAL CONTRACTOR
ECC	ENGINEERING CONTROL CENTER
EMD	END OF MAIN DRIP (STEAM)
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
EXIST	EXISTING
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEAN OUT
FD	FLOOR DRAIN
FLR.	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
G.C.	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
G.SAN	"GREASE LADEN" SANITARY DRAINAGE PIPE
H.C.	HVAC CONTRACTOR
HP	HORSE POWER
HTWR	HIGH TEMP. HOT WATER RETURN PIPE (140°F)
HTWS	HIGH TEMP. HOT WATER PIPE (140°F)
HW	DOMESTIC HOT WATER PIPE (120°F)
HWR	DOMESTIC HOT WATER RETURN PIPE (120°F)
LBS/HR	POUNDS PER HOUR
LF	LINEAR FEET
MAX.	MAXIMUM
MBH	ONE THOUSAND BTUH
MER	MECHANICAL EQUIPMENT ROOM
MIN.	MINIMUM
MV	MEDICAL VACUUM
NOM.	NOMINAL
O	OXYGEN
P	PUMP
P.C.	PLUMBING CONTRACTOR
PD	PRESSURE DROP (FEET OF WATER)
POE	POINT OF ENTRY / EXIT
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE IN.
SAN	SANITARY DRAINAGE PIPE
S.S.	STAINLESS STEEL
ST	STORM DRAINAGE PIPE
STOF	STORM OVERFLOW DRAINAGE PIPE
UH	UNIT HEATER
U.N.O.	UNLESS NOTED OTHERWISE
V	VENT PIPE
VI	VIBRATION ISOLATOR
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
WCO	WALL CLEAN OUT
WF	WATER FILTER
WFM	WATER FLOW MEASURING DEVICE
WH	WATER HEATER

ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/25

SCALE: AS SHOWN

SHEET NAME:
PLUMBING COVER SHEET

SHEET NUMBER:
P-001

BID SET

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CHECKED BY: JDF/MP
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PROJECT NUMBER: ###

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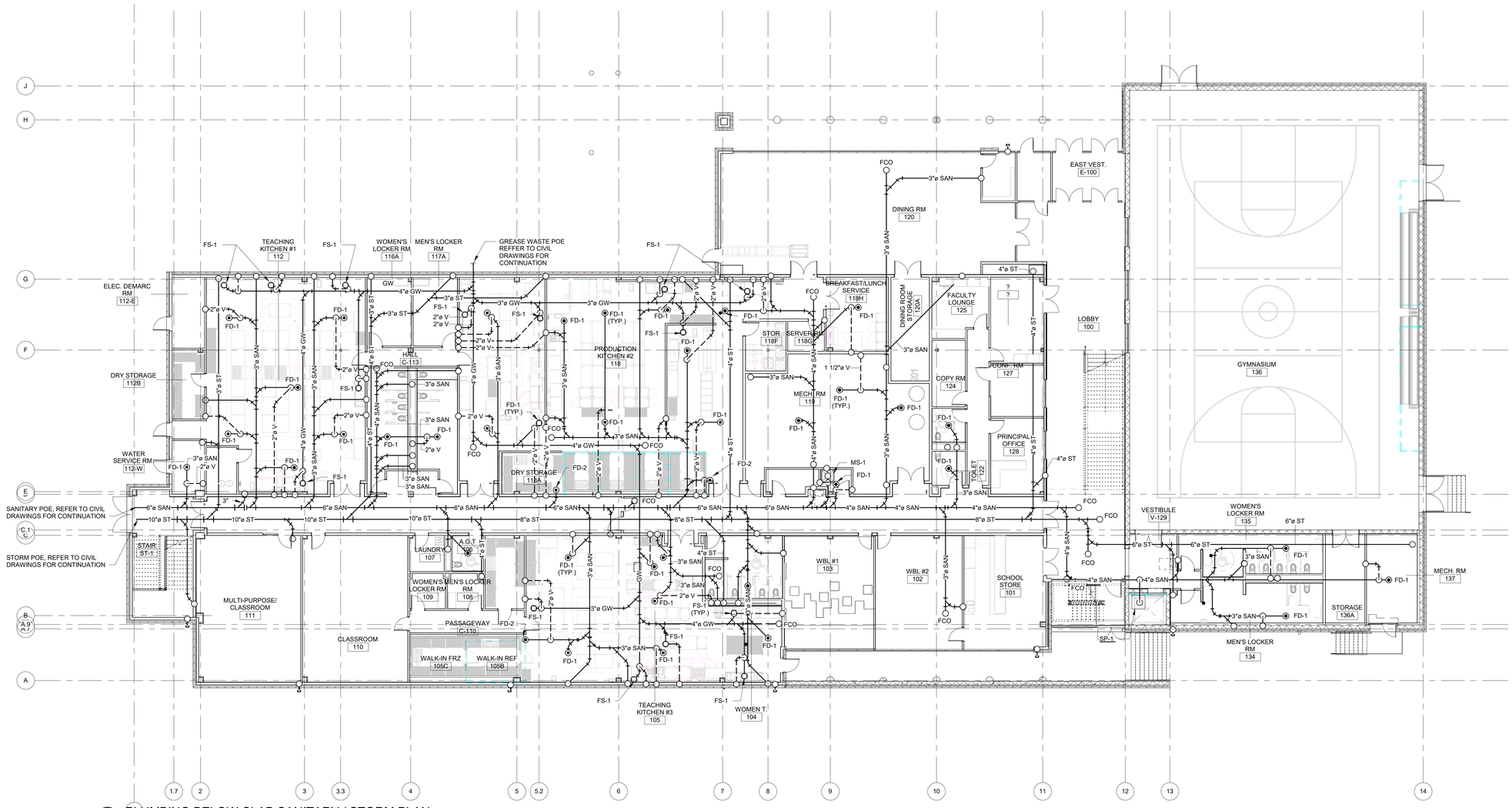
GENERAL NOTES

1. ASSUME ALL FLOOR DRAINS ARE FD-1 TYPE, UNLESS INDICATED OTHERWISE
2. COORDINATE ALL FINAL KITCHEN CONNECTIONS WITH THE FOODSERVICE CONTRACTOR.



1 PLUMBING BELOW SLAB SANITARY / STORM PLAN
3/32" = 1'-0"

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SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: PLUMBING BELOW SLAB SANITARY/STORM PLAN
SHEET NUMBER: P-100

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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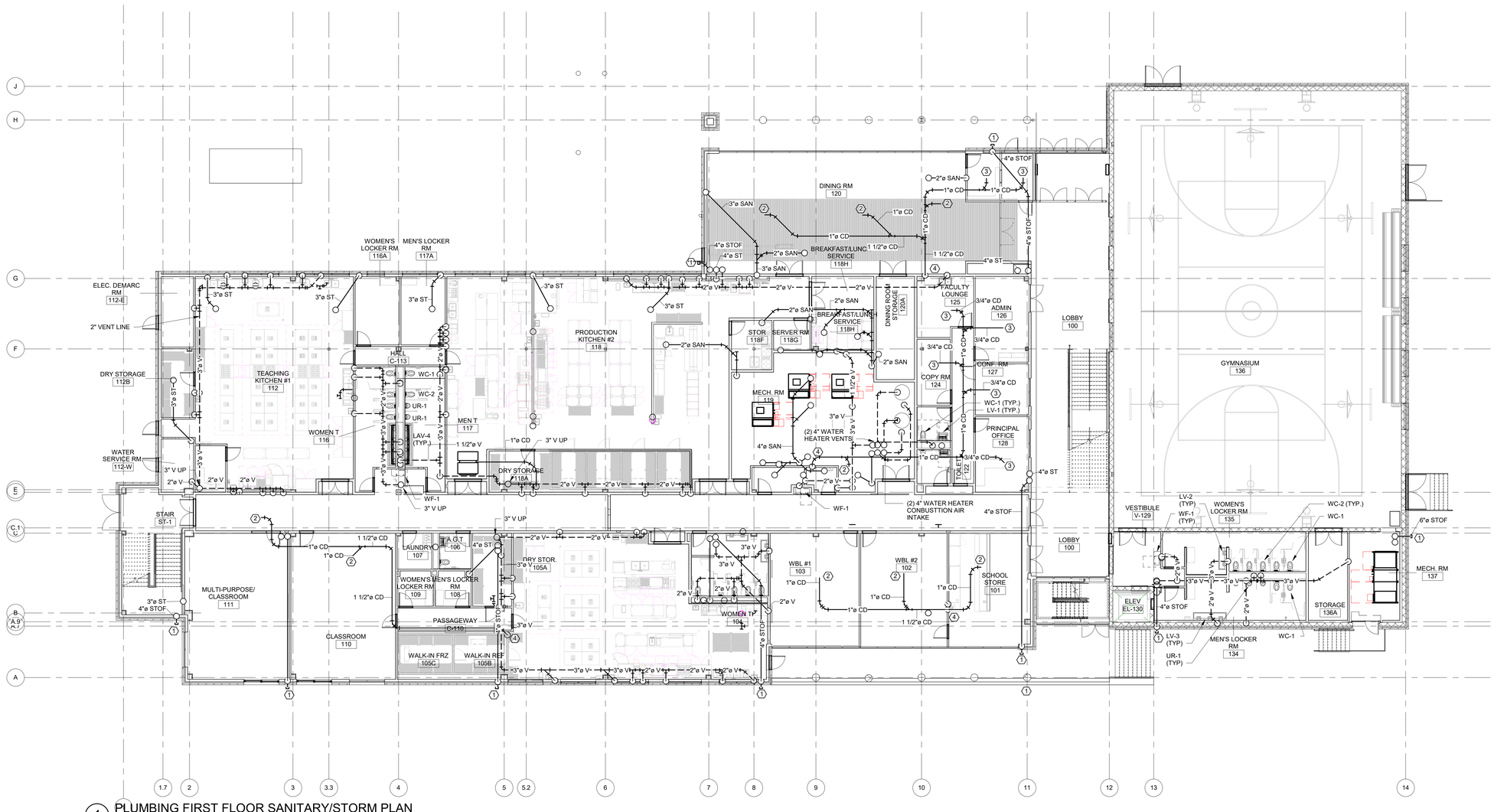
GENERAL NOTES

1. COORDINATE ALL FINAL KITCHEN CONNECTIONS WITH THE FOODSERVICE CONTRACTOR.

KEYED NOTE:

1. STORM OVERFLOW DOWNSPOUTS ARE TO BE INSTALLED 24" ABOVE GRADE.
2. PROVIDE 1" CONDENSATE DRAIN CONNECTION TO HVAC EQUIPMENT. COORDINATE CONNECTIONS WITH MECHANICAL CONTRACTOR.
3. PROVIDE 3/4" CONDENSATE DRAIN CONNECTION TO HVAC EQUIPMENT. COORDINATE CONNECTIONS WITH MECHANICAL CONTRACTOR.
4. PROVIDE INDIRECT WASTE CONNECTION FOR CONDENSATE DRAIN PIPING. REFER TO DETAIL 6 / P-703



1 PLUMBING FIRST FLOOR SANITARY/STORM PLAN
3/32" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: PLUMBING FIRST FLOOR SANITARY/STORM PLAN
SHEET NUMBER: P-101

BID SET

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PROJECT NUMBER: 845-627-4700

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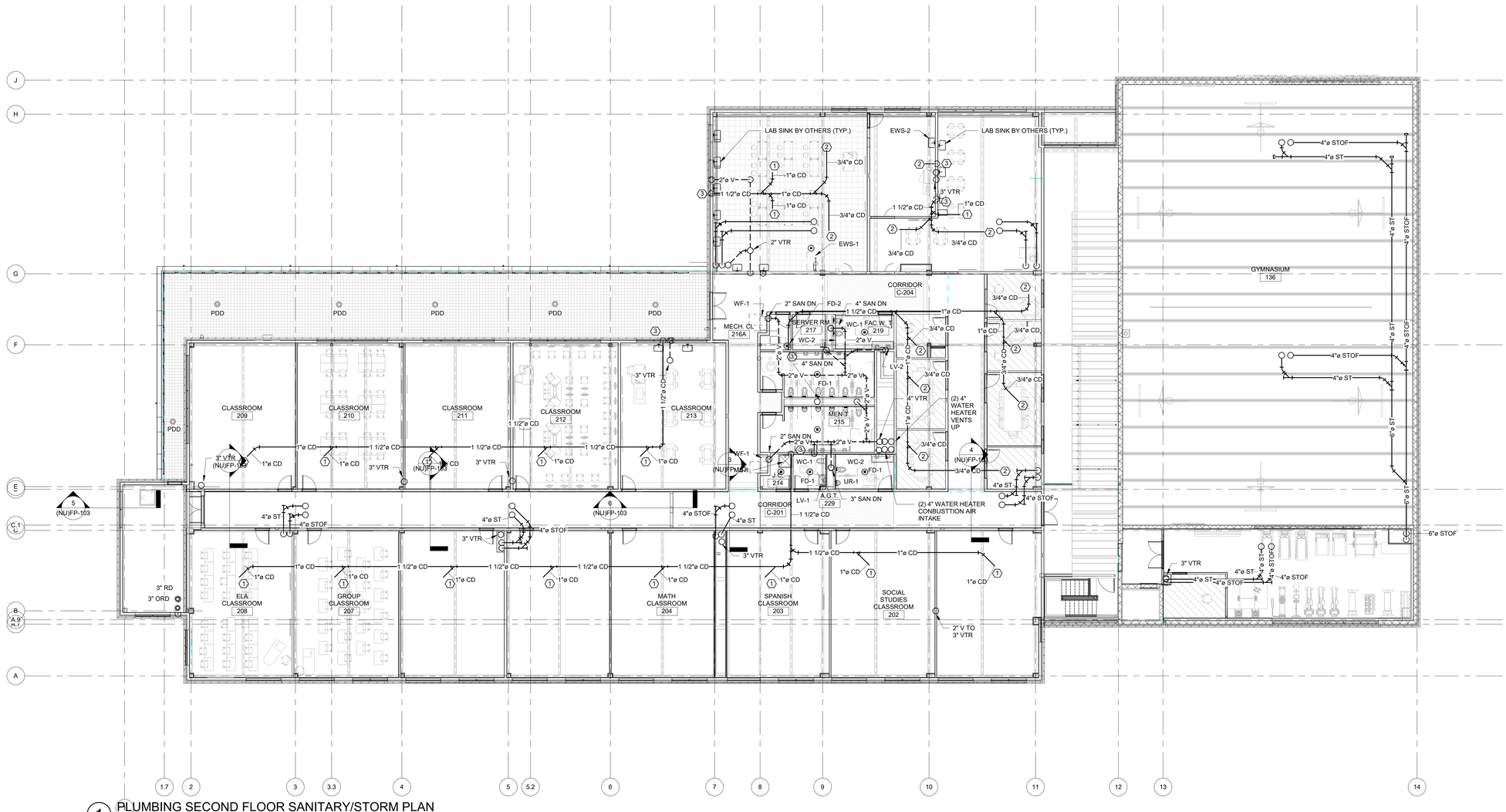
KEYED NOTES:

1. PROVIDE 1" CONDENSATE DRAIN CONNECTION TO HVAC EQUIPMENT. COORDINATE CONNECTIONS WITH MECHANICAL CONTRACTOR.
2. PROVIDE 3/4" CONDENSATE DRAIN CONNECTION TO HVAC EQUIPMENT. COORDINATE CONNECTIONS WITH MECHANICAL CONTRACTOR.
3. PROVIDE INDIRECT WASTE CONNECTION FOR CONDENSATE DRAIN PIPING. REFER TO DETAIL 6 / P-703



1 PLUMBING SECOND FLOOR SANITARY/STORM PLAN
3/32" = 1'-0"

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: PLUMBING SECOND FLOOR SANITARY/ STORM PLAN
SHEET NUMBER: P-102

BID SET

DRAWN BY: AJ/JV
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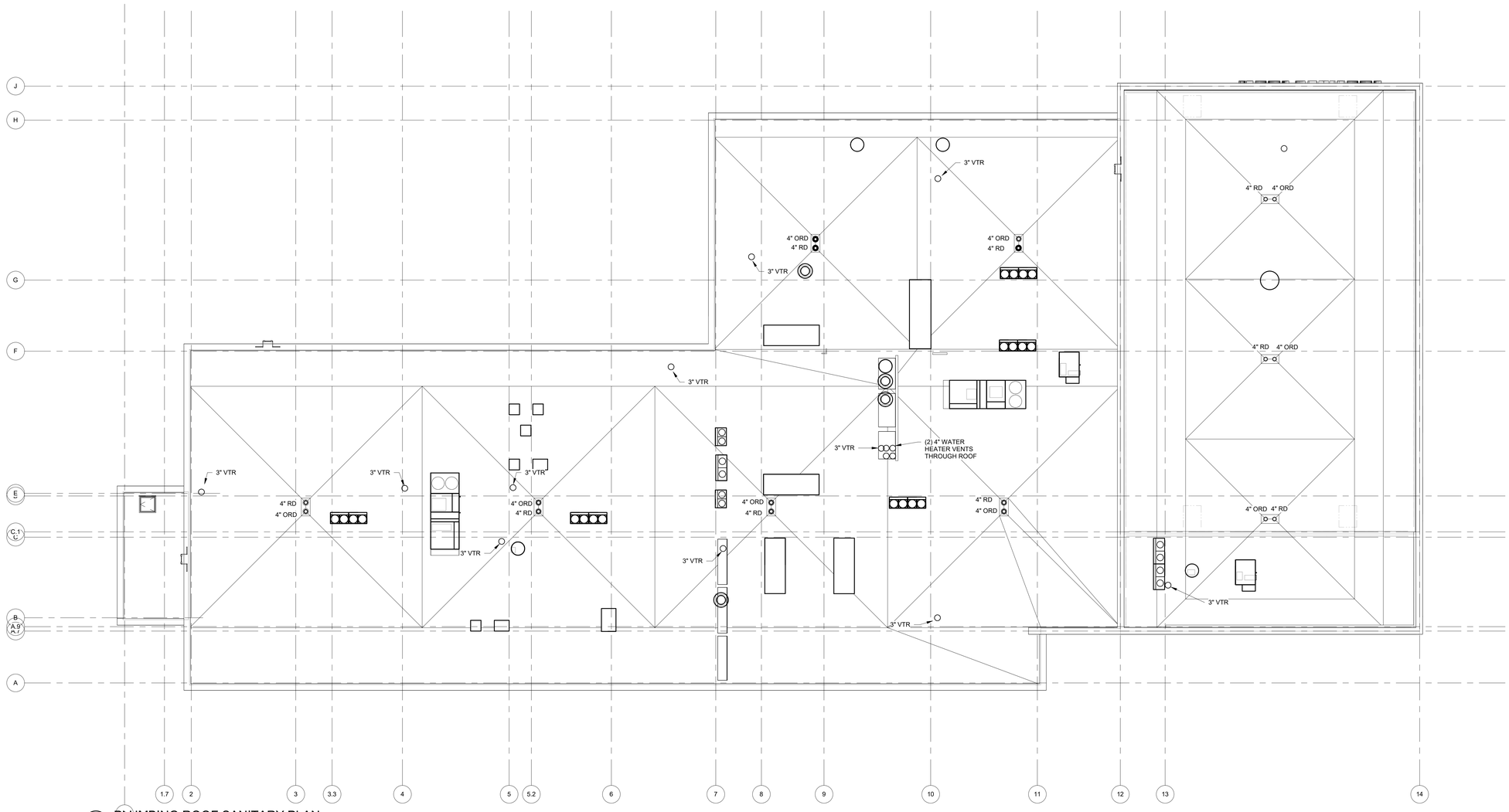
GENERAL NOTES

1. ASSUME ALL FLOOR DRAINS ARE FD-1 TYPE, UNLESS INDICATED OTHERWISE



1 PLUMBING ROOF SANITARY PLAN
3/32" = 1'-0"

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME:
PLUMBING ROOF SANITARY PLAN
SHEET NUMBER:
P-103

BID SET

DRAWN BY: JH/NV
CHECKED BY: JH/NV
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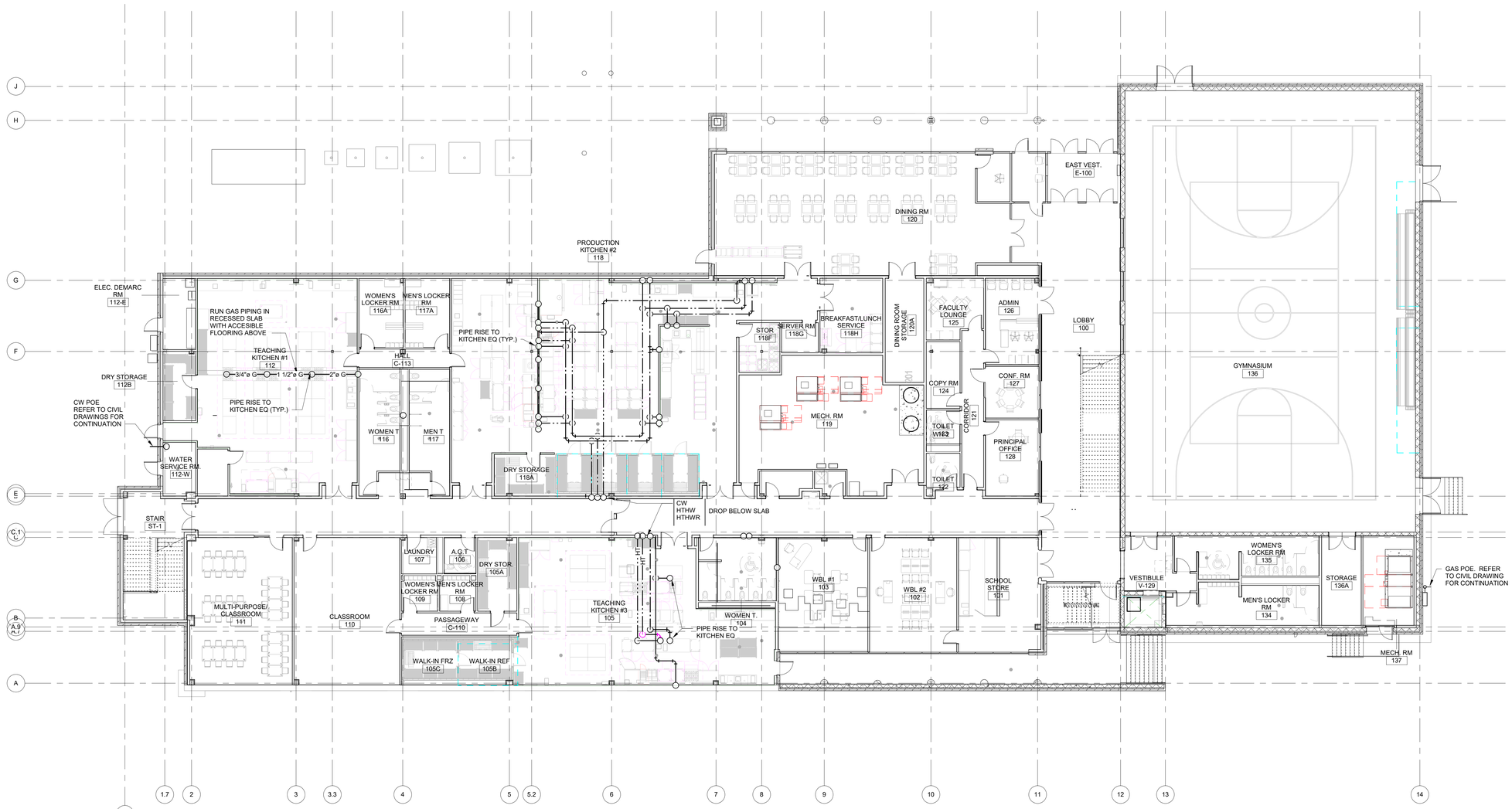
GENERAL NOTES

1. PROVIDE CONTINUOUS CORROSION PROTECTION PIPING ENCASEMENT FOR ALL UNDERGROUND PIPING.
2. COORDINAT ALL FINAL KITCHEN CONNECTIONS WITH THE FOODSERVICE CONTRACTOR.
3. WELD ALL NONE ACCESSABLE GAS PAPING
4. PROVIDE DOUBLE WALL PIPING ON ALL GAS PIPING IN CORRIDOR



1 PLUMBING BELOW SLAB DOMESTIC PLAN
3/32" = 1'-0"

GENERAL NOTES:

1. WELD ALL NONE ACCESSABLE GAS PAPING
2. PROVIDE DOUBLE WALL PIPING ON ALL GAS PIPING IN CORRIDOR

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: PLUMBING BELOW SLAB DOMESTIC PLAN
SHEET NUMBER: P-200

BID SET

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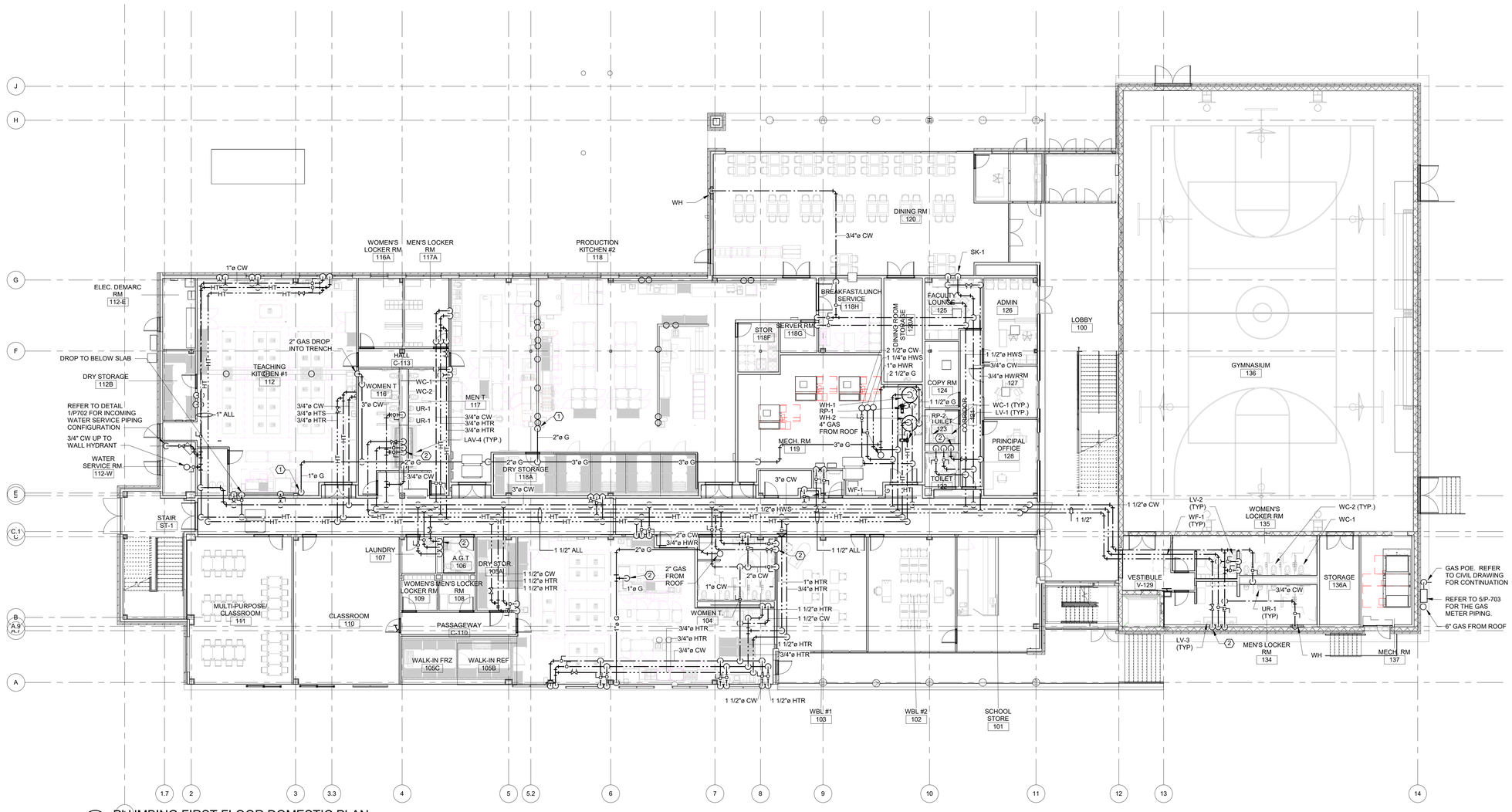
GENERAL NOTES

1. PLUMBING CONTRACTOR PROVIDE A 5'-6" x 0'-6" THICK CONCRETE PAD FOR NEW DOMESTIC WATER HEATERS.
2. COORDINAT ALL FINAL KITCHEN CONNECTIONS WITH THE FOODSERVICE CONTRACTOR.
3. PRIVIDE LOCAL THERMOSTATIC MIXING VALVE AT ALL KITCHEN SINK TO BRING 140°F HOT WATER TO 110°F HOT WATER. ONLY THE DISHWASH IN THE KITCHEN #2 WILL RECIEVE 140°F HOT WATER
4. COORDINAT ALL NATURAL GAS SOLENOID VALVES WITH ELECTRICAL CONTRATOR
5. WELD ALL NONE ACCESSABLE GAS PAPING

KEYED NOTES:

1. NATURAL GAS DROP WITH DEDICATED SOLENOID VALVE CONNECTED TO KITCHEN HOOD EMERGENCY SYSTEM. RUN PIPING HORIZONTALLY IN KNEE WALL, AND PROVIDE CONNECTION TO EACH PIECE OF KITCHEN EQUIPMENT. REFER TO FOOD SERVICE DRAWINGS FOR EXACT CONNECTION LOCATIONS AND QUANTITIES.
2. CONNECT HOT WATER RETURN WITHIN 6" OF THE LAVATORY



1 PLUMBING FIRST FLOOR DOMESTIC PLAN
3/32" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: PLUMBING FIRST FLOOR DOMESTIC PLAN
SHEET NUMBER: P-201

BID SET

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KEYED NOTES:

1. CONNECT HOT WATER RETURN WITHIN 6" OF THE LAVATORY

1 PLUMBING SECOND FLOOR DOMESTIC PLAN
3/32" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME:
PLUMBING SECOND FLOOR DOMESTIC PLAN

SHEET NUMBER:
P-202

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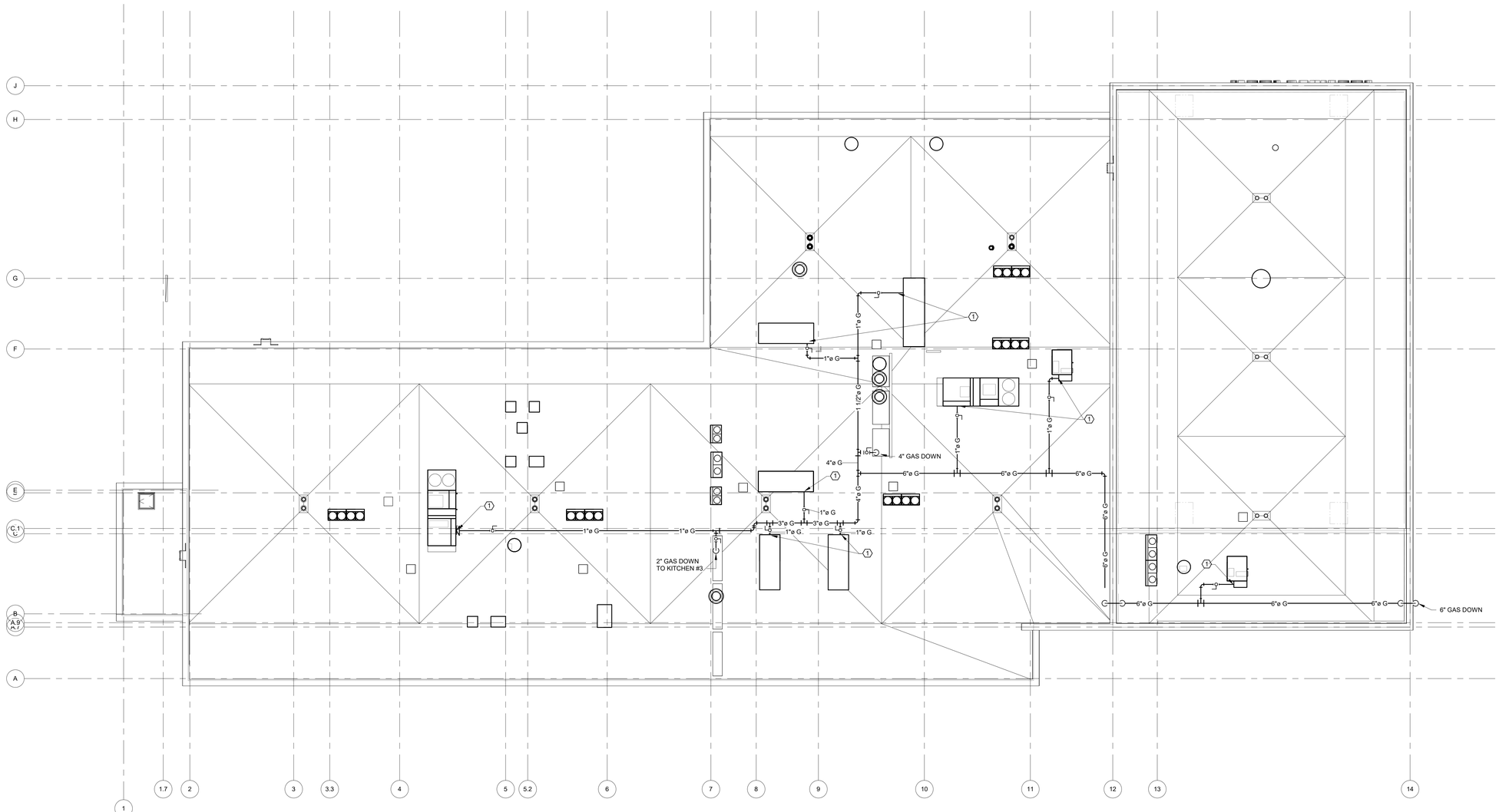
KEYED NOTES

1. COORDINATE GAS CONNECTION WITH MECHANICAL EQUIPMENT. PROVIDE A SHUTOFF VALVE AND 6" SEDIMENT TRAP AT EACH EQUIPMENT CONNECTION



1 PLUMBING ROOF DOMESTIC PLAN
3/32" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME:
PLUMBING ROOF DOMESTIC PLAN
SHEET NUMBER:
P-203

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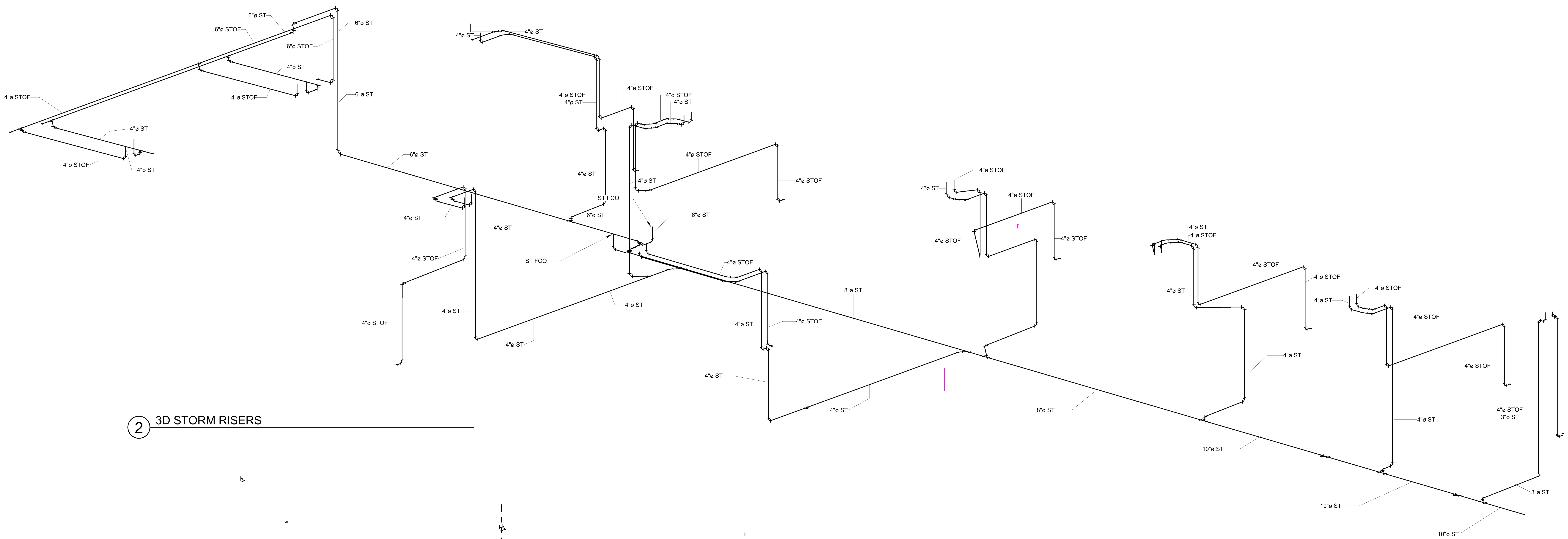
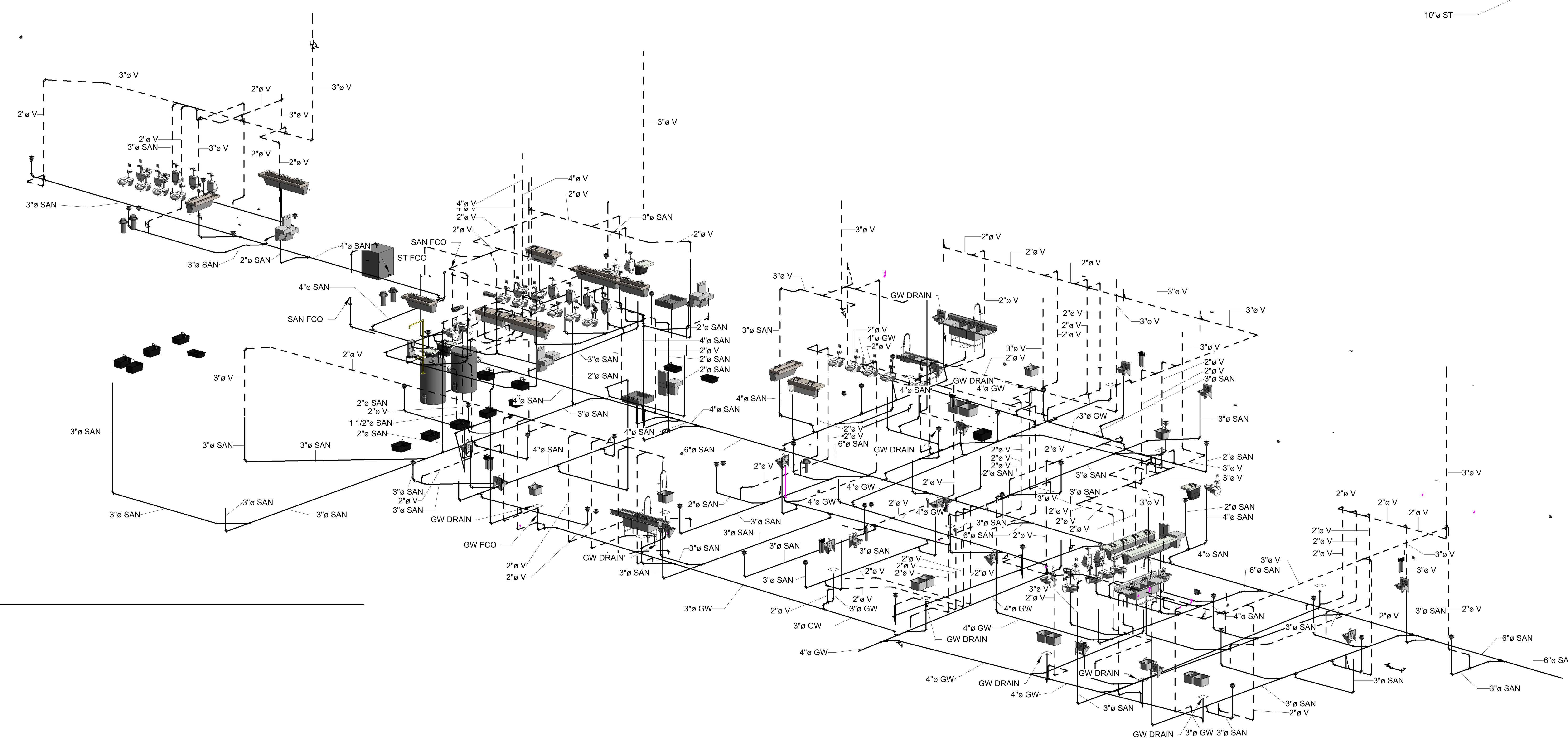


2 3D STORM RISERS



1 3D SANITARY & VENT RISERS

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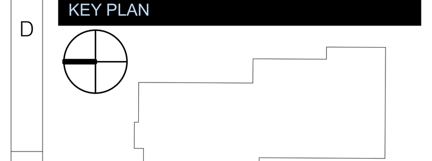

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No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/2025

SCALE:

SHEET NAME:
STORM, SANITARY & VENT RISERS

SHEET NUMBER:
P-301

BID SET

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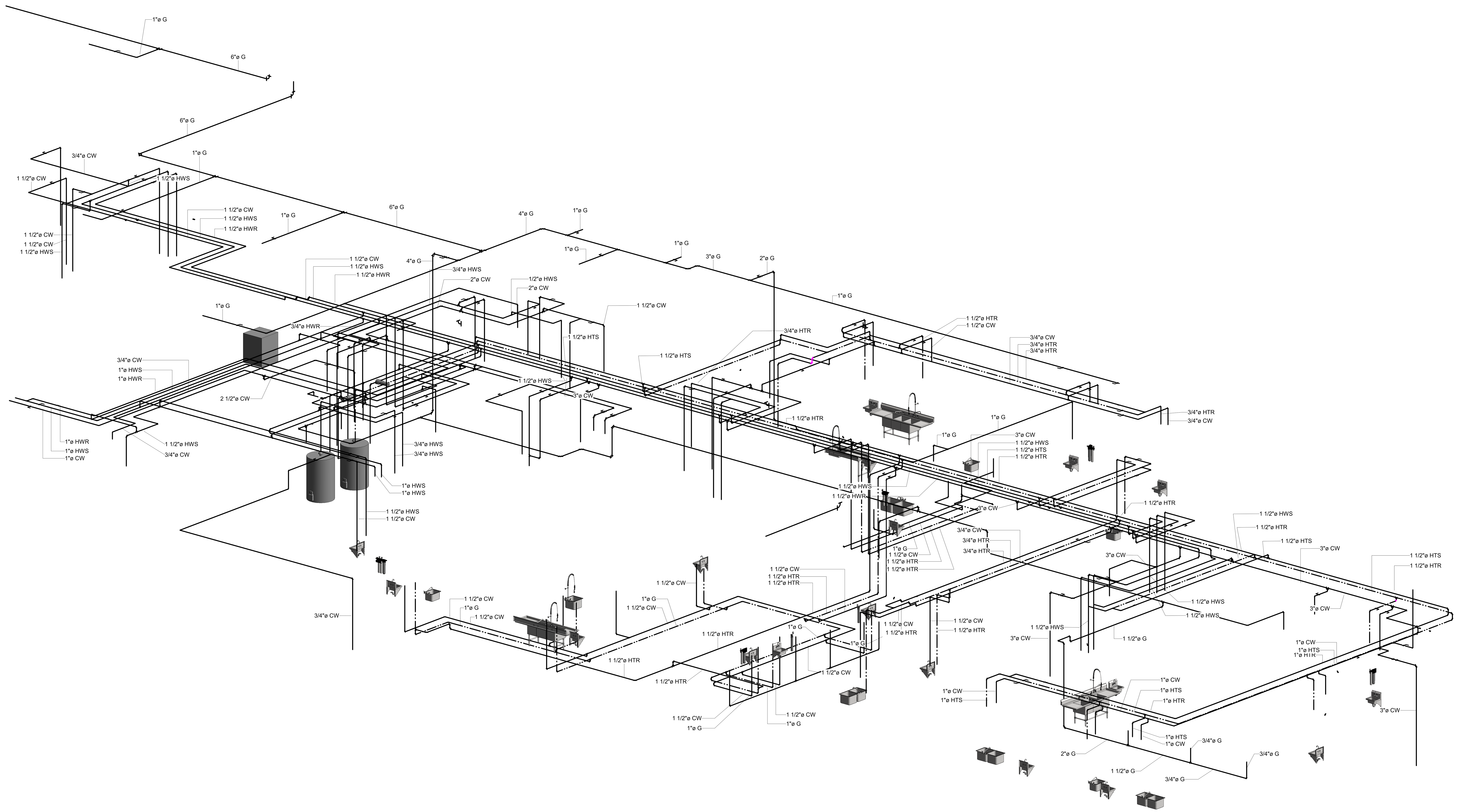

1 3D DOMESTIC & GAS RISERS

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/2025

SCALE:

SHEET NAME:
DOMESTIC & GAS

SHEET NUMBER:
P-302

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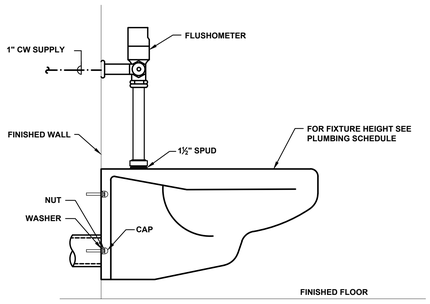
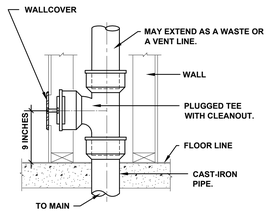


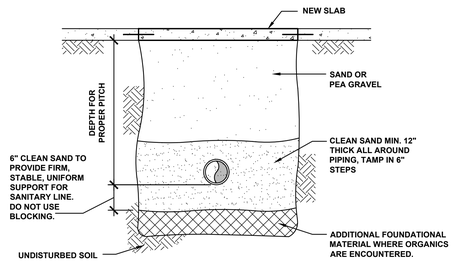
NOTE:
INSTALL PER MANUFACTURER'S REQUIREMENTS

1 WALL MOUNTED FLUSH VALVE DETAIL
N.T.S.



ROUND: ZURN Z-1446
(T, PLUG & ROUND COVER)

2 WALL CLEANOUT DETAIL
N.T.S.



3 TYPICAL SANITARY LINE BELOW SLAB DETAIL
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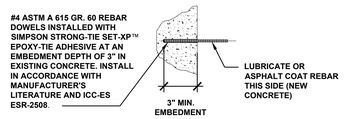

4 DOWEL INSTALLATION DETAIL
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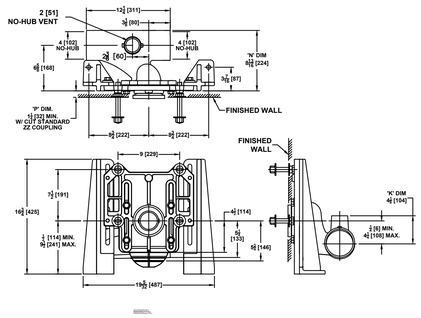

5 SINGLE ADJUSTABLE NARROW WALL CARRIER DETAIL
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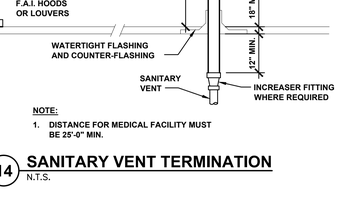
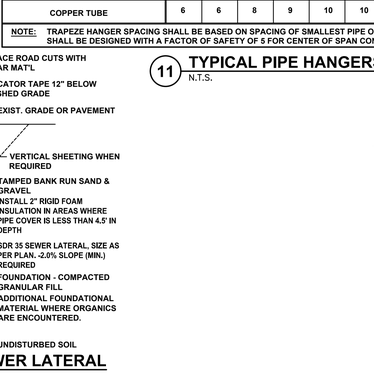
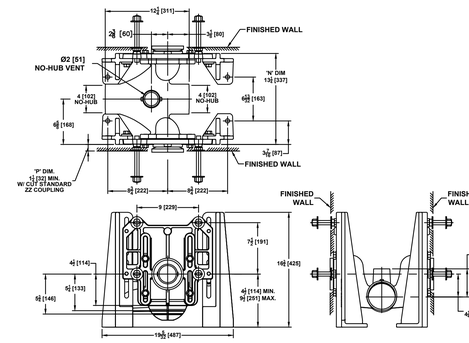


6 SINK DRAINAGE / VENT DETAIL
N.T.S.

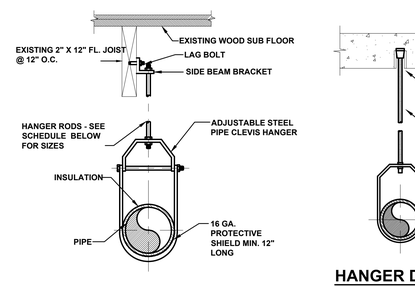
7 SINK DRAINAGE / VENT DETAIL
N.T.S.



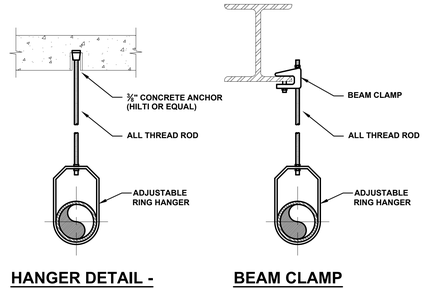
8 LAVATORY CLEARANCES
N.T.S.



9 DOUBLE ADJUSTABLE NARROW WALL CARRIER DETAIL
N.T.S.



SIDEBEAM HANGER DETAIL
N.T.S.

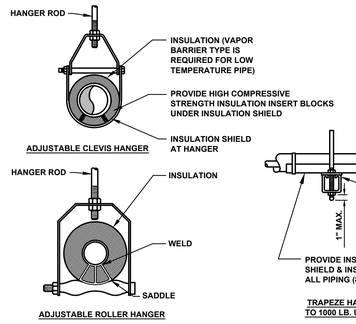


HANGER DETAIL - CONCRETE DECK
N.T.S.

BEAM CLAMP HANGER DETAIL
N.T.S.

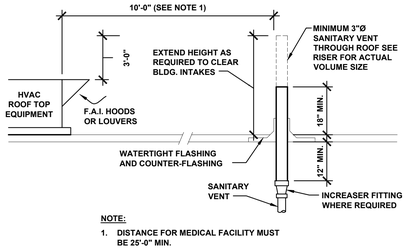
HANGER RODS AND VIB. ISOLATORS SCHEDULE		MASON INDUSTRIES AS STANDARD VIBRATION ISOLATOR SIZE	
PIPE SIZE	ROD SIZE	WATER	
3/4" THRU 1 1/4" DIA.	3/8"	HS-A-45	
1 1/2" through 2" DIA.	3/8"	HS-A-75	
2 1/2" DIA.	1/2"	HS-A-125	
3" DIA.	1/2"	HS-A-200	
4" DIA.	5/8"	HS-A-200	

10 PIPE HANGER DETAIL
N.T.S.



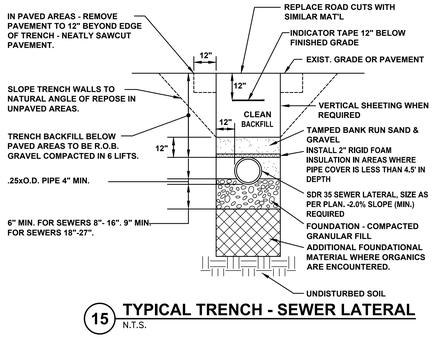
11 TYPICAL PIPE HANGERS
N.T.S.

INDIVIDUAL PIPE HANGER ROD & SPACING SCHEDULE										
NOMINAL PIPE DIAMETER (IN.)	3/4	1	1 1/2	2	2 1/2	3	4	5	6	-
HANGER ROD SIZE (IN.)	3/8	3/8	3/8	3/8	1/2	1/2	5/8	5/8	7/8	-
MAXIMUM SUPPORT SPACING (FT.)										
STEEL PIPE	6	7	9	10	11	12	14	16	17	-
COPPER TUBE	6	6	8	9	10	10	12	14	14	-
NOTE: TRAPEZE HANGER SPACING SHALL BE BASED ON SPACING OF SMALLEST PIPE ON TRAPEZE. TRAPEZE SHALL BE DESIGNED WITH A FACTOR OF SAFETY OF 5 FOR CENTER OF SPAN CONCENTRATED LOAD										

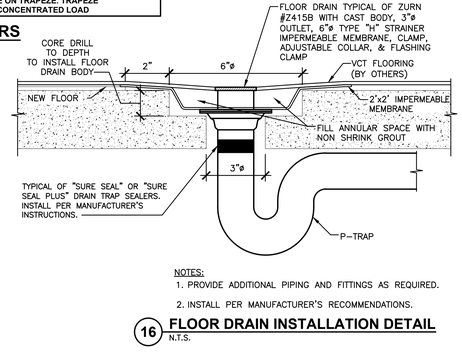


NOTE:
1. DISTANCE FOR MEDICAL FACILITY MUST BE 25'-0" MIN.

14 SANITARY VENT TERMINATION
N.T.S.

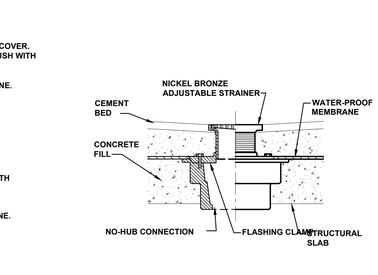


15 TYPICAL TRENCH - SEWER LATERAL
N.T.S.



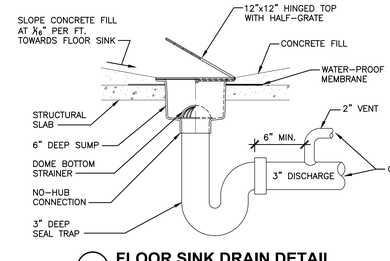
NOTES:
1. PROVIDE ADDITIONAL PIPING AND FITTINGS AS REQUIRED.
2. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

16 FLOOR DRAIN INSTALLATION DETAIL
N.T.S.



13 FLOOR DRAIN DETAIL
N.T.S.

12 FLOOR CLEANOUT
N.T.S.



17 FLOOR SINK DRAIN DETAIL
N.T.S.

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NY PROFESSIONAL ENGINEER
NO. 085773-1
ISSUED 1992; EXP. 9/25

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: PLUMBING DETAILS

SHEET NUMBER: P-701

BID SET

DRAWN BY: AJOV
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5/16/2024 9:02:28 AM
PROJECT NUMBER: ###
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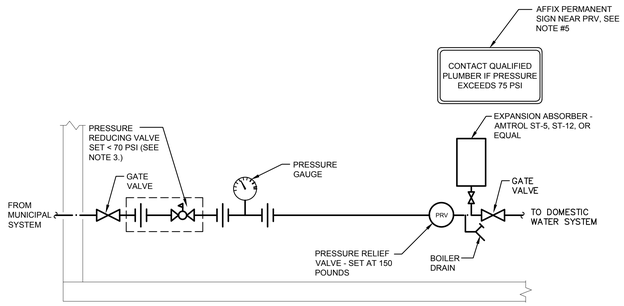
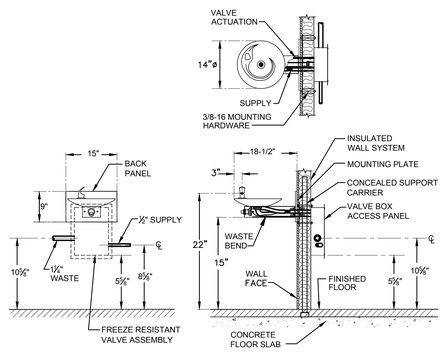


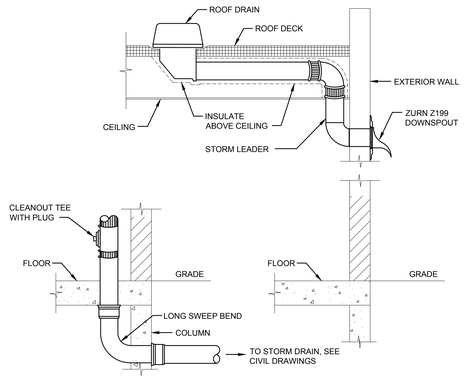
NOTES:

1. PLUMBING CONTRACTOR SHALL TEST ALL COMPONENTS AND RUN A MINIMUM OF 100 GALLONS THROUGH SYSTEM BEFORE FINAL INSPECTION.
2. ENTIRE INSTALLATION TO CONFORM TO MUNICIPALITY'S REQUIREMENTS.
3. REQUIRED ONLY WHERE MUNICIPAL SYSTEM PRESSURE EXCEEDS 70 PSI.
4. PLUMBING CONTRACTOR SHALL INSTALL A TELEPHONE JACK AS CLOSE TO METER AS POSSIBLE, AND WIRE TO TTB.
5. SIGN SHALL READ "CONTACT QUALIFIED PLUMBER IF PRESSURE EXCEEDS 75 PSI"

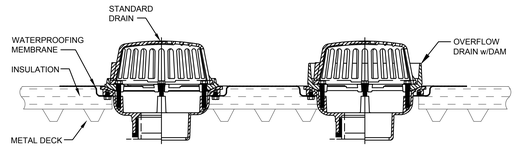
1 STANDARD WATER SERVICE SYSTEM
N.T.S.



2 DRINKING FOUNTAIN DETAIL
N.T.S.



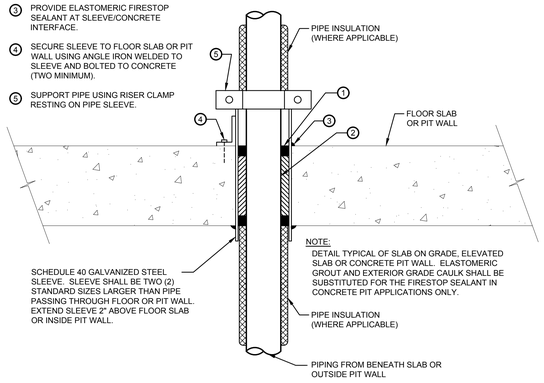
3 TYPICAL STORM OVERFLOW LEADER DETAIL
N.T.S.



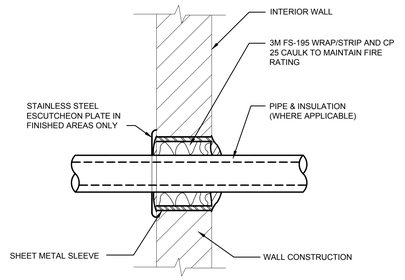
4 ROOF DRAIN & OVERFLOW DETAIL
N.T.S.

(TYPICAL OF ZURN MODEL Z164)

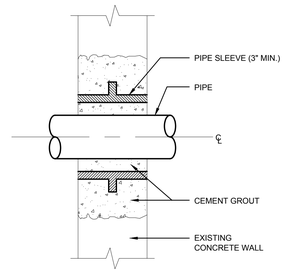
1. 1" MINIMUM THICK ELASTOMERIC FIRESTOP SEALANT CAULK. PROVIDE AT TOP AND BOTTOM OF SLEEVE.
2. FILL ANNULAR SPACE WITH MINERAL WOOL BATTING.
3. PROVIDE ELASTOMERIC FIRESTOP SEALANT AT SLEEVE/CONCRETE INTERFACE.
4. SECURE SLEEVE TO FLOOR SLAB OR PIT WALL USING ANGLE IRON WELDED TO SLEEVE AND BOLTED TO CONCRETE (TWO MINIMUM).
5. SUPPORT PIPE USING RISER CLAMP RESTING ON PIPE SLEEVE.



5 TYPICAL PIPING CONCRETE PENETRATION DETAIL
N.T.S.



6 RATED WALL PENETRATION DETAIL
N.T.S.



7 TYPICAL CONCRETE WALL PENETRATION DETAIL
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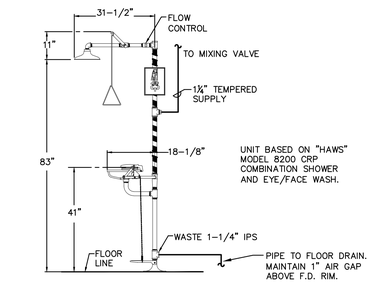
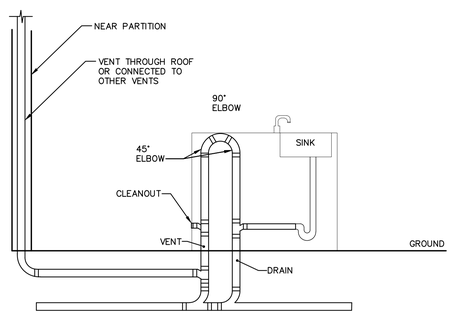
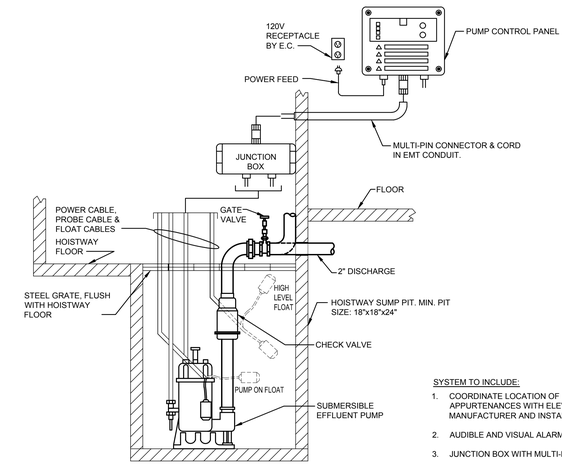


8 EMERGENCY SHOWER/EYEWASH STATION DETAIL
N.T.S.



9 TYPICAL ISLAND VENTING DETAIL
N.T.S.



SYSTEM TO INCLUDE:

1. COORDINATE LOCATION OF PIT, PIPING AND ALL APPURTENANCES WITH ELEVATOR MANUFACTURER AND INSTALLER.
2. AUDIBLE AND VISUAL ALARM.
3. JUNCTION BOX WITH MULTI-PIN CONNECTOR.

ELEVATOR SUMP PUMP SCHEDULE

"GOULD PUMPS" AS STANDARD OR APPROVED EQUAL

UNIT NO.	LOCATION	PUMP DATA								MIN. SUMP DIMENSIONS		MODEL	REMARKS
		NO.	GPM	T.D.H. (FT.)	SOLIDS (IN.)	DISCHARGE (IN.)	H.P.	VOLT/ø	AMPS	AREA (IN.)	DEPTH (IN.)		
SP-1	ELEVATOR PIT	1	50	15	3/4	2	0.33	115/1	10.7	18x18	24	WE0311M	20 FT. CORD WITH PULL

10 ELEVATOR SUMP PUMP DETAIL
N.T.S.

ARCHITECT

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ROCKLAND BOCES P-TECH C-TEC BUILDING

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/25

SCALE: AS SHOWN

SHEET NAME:
PLUMBING DETAILS

SHEET NUMBER:
P-702

BID SET

PROJECT NUMBER: ###

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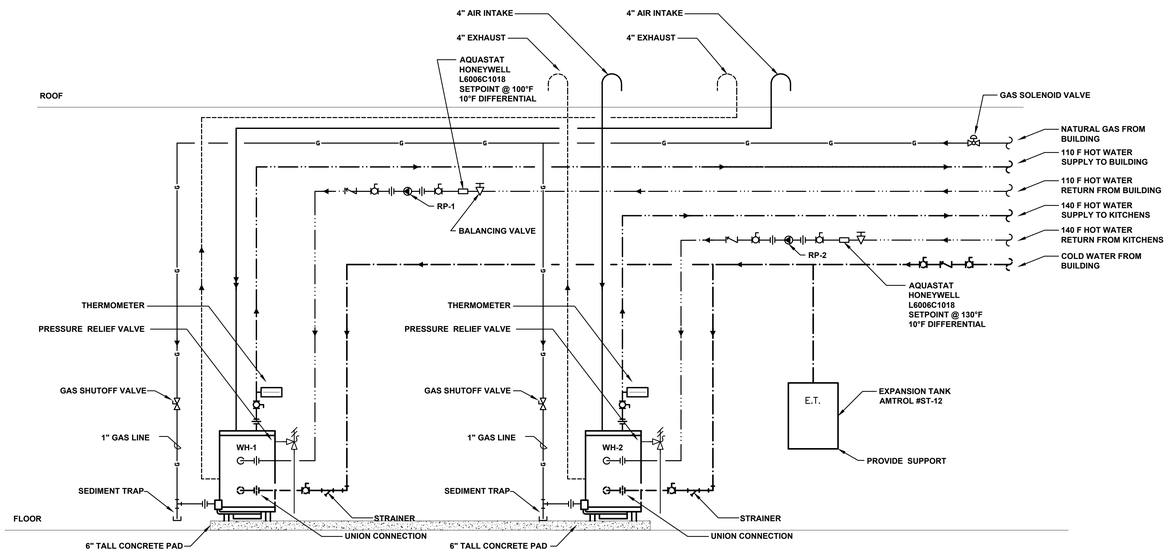
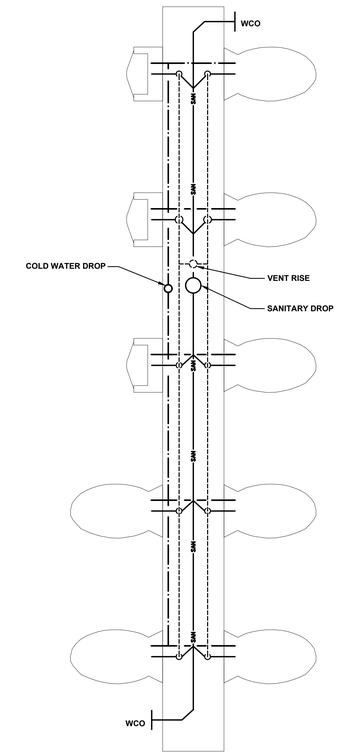


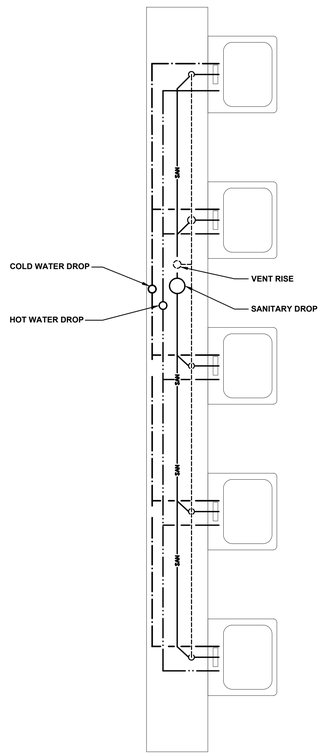
NOTES:

1. ALL PIPING TO BE NEW PIPING, SIZE AS SHOWN.
2. ALL WORK IS TO BE DONE IN ACCORDANCE TO N.Y.S. AND LOCAL BUILDING CODE.
3. WATER HEATERS SHALL BE ASME RATED & CERTIFIED.

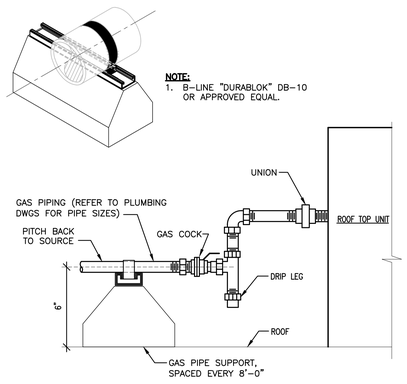
1 WATER HEATER PIPING SCHEMATIC
N.T.S.



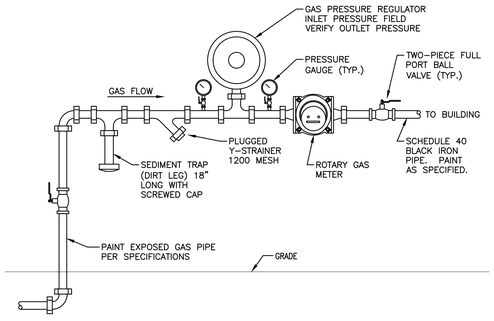
2 TYPICAL BATHROOM WET WALL PIPING DETAIL
N.T.S.



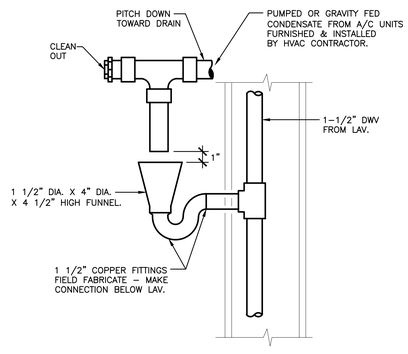
3 TYPICAL LAVATORY/SINK WET WALL PIPING DETAIL
N.T.S.



4 ROOF TOP HVAC GAS SERVICE DETAIL
N.T.S.



5 GAS METER DETAIL
N.T.S.



6 FUNNEL DRAIN DETAIL
N.T.S.

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NY PROFESSIONAL ENGINEER
NO. 092933-1
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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/25

SCALE: AS SHOWN

SHEET NAME:
PLUMBING DETAILS

SHEET NUMBER:
P-703

BID SET

PROJECT NUMBER: ###
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LEGEND AND SCHEDULE OF PLUMBING FIXTURES

SYMBOL	TAG	MANUFACTURER	MODEL #	MOUNTING HEIGHT	MAXIMUM FLOW RATE	DESCRIPTION
	WC-1	AMERICAN STANDARD	3445J101.020	17" MIN. - 19" MAX. AFF	1.28 GPF	WATER CLOSET: "RAPIDWAY" WALL MOUNTED WATER CLOSET WITH ELONGATED BOWL, COLOR: WHITE. SUPPLY WITH AMERICAN STANDARD FLUSHOMETER MODEL 6065.121. PROVIDE SEAT, COLOR TO MATCH TOILET. ADA COMPLIANT. INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION. FOR INDIVIDUAL UNITS, PROVIDE WITH ZN1201-N NARROW WALL WATER CLOSET CARRIER SYSTEM OR APPROVED EQUAL. FOR BACK-TO-BACK UNITS, PROVIDE WITH ZN1201-ND NARROW WALL WATER CLOSET CARRIER SYSTEM OR APPROVED EQUAL.
	WC-2	AMERICAN STANDARD	3445J101.020	17" MIN. - 19" MAX. AFF	1.28 GPF	WATER CLOSET: "RAPIDWAY" WALL MOUNTED WATER CLOSET WITH ELONGATED BOWL, COLOR: WHITE. SUPPLY WITH AMERICAN STANDARD FLUSHOMETER MODEL 6065.121. PROVIDE SEAT, COLOR TO MATCH TOILET. INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION. FOR INDIVIDUAL UNITS, PROVIDE WITH ZN1201-N NARROW WALL WATER CLOSET CARRIER SYSTEM OR APPROVED EQUAL. FOR BACK-TO-BACK UNITS, PROVIDE WITH ZN1201-ND NARROW WALL WATER CLOSET CARRIER SYSTEM OR APPROVED EQUAL.
	UR-1	AMERICAN STANDARD	6590001.02	17" MIN. - 24" MAX. AFF	0.5 GPF	URINAL: "WASHBROOK" WALL MOUNTED URINAL, COLOR: WHITE. SUPPLY WITH AMERICAN STANDARD FLUSHOMETER MODEL 6063051.002. INDLUDE ALL NECESSARY HARDARE FOR A COMPLETE INSTALLATION. FOR INDIVIDUAL UNITS, PROVIDE WITH ZN1201-N NARROW WALL WATER CLOSET CARRIER SYSTEM OR APPROVED EQUAL. FOR BACK-TO-BACK UNITS, PROVIDE WITH ZN1201-ND NARROW WALL WATER CLOSET CARRIER SYSTEM OR APPROVED EQUAL.
	LV-1	BRADLEY	TLX-1	32" MIN. - 34" MAX. AFF	0.5 GPM	SINGLE STATION- SINGLE BASIN, WALL MOUNTED LAVATORY. SUPPLY WITH WASHBAR WBD1 THAT INCLUDES TOUCH FREE SOAP, WATER AND HAND DRYER. INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.
	LV-2	BRADLEY	TLX-2	32" MIN. - 34" MAX. AFF	0.5 GPM	TWO STATION- SINGLE BASIN, WALL MOUNTED LAVATORY. SUPPLY WITH WASHBAR WBD1 THAT INCLUDES TOUCH FREE SOAP, WATER AND HAND DRYER. INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.
	LV-3	BRADLEY	TLX-3	32" MIN. - 34" MAX. AFF	0.5 GPM	THREE STATION- SINGLE BASIN, WALL MOUNTED LAVATORY. SUPPLY WITH WASHBAR WBD1 THAT INCLUDES TOUCH FREE SOAP, WATER AND HAND DRYER. INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.
	LV-4	BRADLEY	TLX-4	32" MIN. - 34" MAX. AFF	0.5 GPM	FOUR STATION- SINGLE BASIN, WALL MOUNTED LAVATORY. SUPPLY WITH WASHBAR WBD1 THAT INCLUDES TOUCH FREE SOAP, WATER AND HAND DRYER. INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.
	SK-1	ELKAY	DRKAD252255L	32" MIN. - 34" MAX. AFF	1.5 GPM	SINGLE BASIN SINK: SINGLE BOWL DROP IN CLASSROOM ADA SINK WITH BASKET STRAINTER. SUPPLY WITH ELKAY FAUCET MODEL #LKD232SC, TAILPIECE, SUPPLY STOPS, FITTINGS AND ADA COMPLIANT DRAIN AND SUPPLY COVERS. ADA COMPLIANT (34" MANUFACTURER SUGGESTED MOUNTING HEIGHT). INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.
	MS-1	FIAT	TSB3012	-	4 GPM	FLOOR MOUNTED MOP SERVIVE BASIN WITH STAINLESS STEEL THRESHOLD AND STAINER. PROVIDE WITH ELKAY MODEL LK940BP07T4S WALL MOUNTED FAUCET. INCLUDE ALL NECESSARY HARDWARE FOR A COMPLETE INSTALLATION.
	WF-1	ELKAY	LZSTL8WSLK	38" MIN. - 43" MAX. AFF	.13 GPM	ELKAY EZH2O BOTTLE FILLING STATION VERSATILE BI LEVEL ADA COOLER, FILTERED 8 GPH STAINLESS, 50 °F DRINKING WATER, 115V/60HZ, 7.5MCA. PROVIDE WITH ALL OTHER HARDWARE REQUIRED FOR COMPLETE INSTALLATION.
	EWS-1	GUARDIAN	G1994HFC	-	20 GPM	STAINLESS STEEL EYE/FACE WASH WITH HAND AND FOOT CONTROL. INSTALL WITH G6040 THERMOSTATIC MIXING VALVE.
	EWS-2	GUARDIAN	G1899	-	13 GPM	STAINLESS STEEL, DECK MOUNTED AUTOFLOW 90 DEGREE SWING DOWN. INSTALL WITH G6020 THERMOSTATIC MIXING VALVE IN CABINET BELOW.
FCO	FCO	ZURN	ZN-1400	-	-	"LEVEL-TROL" ADJUSTABLE FLOOR CLEANOUT: DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, ROUND SCORIATED POLISHED NICKEL BRONZE TOP ADJUSTABLE TO FINISHED FLOOR. LABEL COVER STORM OR SANITARY AS APPROPRIATE. SIZE TO MATCH PIPE, BUT NO GREATER THAN 4". PROVIDE COVER APPROPRIATE TO FLOOR FINISH (TILE, CARPET MARKER TERAZZO, ETC.)
	FD-1	ZURN	Z415B	-	-	GENERAL PURPOSE FLOOR DRAIN WITH "DURA-COATED" CAST IRON BODY. BOTTOM OUTLET "TYPE B" POLISHED NICKEL BRONZE, LIGHT DUTY STRAINER. 6" DIA. STRAINER AND 3" OUTLET. PROVIDE WITH RECTORSEAL "SURSEAL" INLINE TRAP SEALER AND ALL OTHER HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
	FD-2	ZURN	Z1019	-	-	"DURA-COATED" CAST IRON COMBINATION FUNNEL AND TRAP DRAIN. 4" DIA. FUNNEL AND 2" OUTLET. PROVIDE WITH RECTORSEAL "SURESEAL" INLINE TRAP SEALER AND ALL OTHER HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
	FS-1	ZURN	Z1900	-	-	12" X 12"X 6" DEEP CAST IRON BODY AND SQUARE, LIGHT DUTY FULL HINGED GATE.
	RD & ORD	ZURN	Z164	-	-	"DURA-COATED" CAST IRON BODY, 12" DIAMETER COMBINATION ROOF DRAIN & OVERFLOW ROOF DRAIN WITH COMBINATION MEMBRANE FLASHING AND GREAVEL GAURDS. PROVIDE OUTLET SIZES INDICATED ON P-103.
	PDD	ZURN	Z154	-	-	"DURA-COATED" CAST IRON, 12" SQUARE TOP PROM-DECK DRAIN. PROVIDE WITH 3" OUTLET.
WCO	WCO	ZURN	ZN-1400	9" AFF	-	WALL CLEANOUT: DURA-COATED CAST IRON BODY, GAS AND WATERTIGHT ABS TAPERED THREAD PLUG, ROUND SMOOTH STAINLESS STEEL WALL ACCESS COVER WITH SECURING SCREW. SIZE TO MATCH PIPE.
	WH	WOODFORD	MB65C	24" MIN. 30" MAX. AFF	-	304 STAINLESS STEEL , FROST PROOF WALL HYDRANT, WITH SINGLE CHECK VACUUM BREAKER. PROVIDE WITH NIDEL 34HA 3/4" MALE HOSE THREAD.

ELECTRIC WATER HEATER SCHEDULE

UNIT NUMBER	MANUFACTURER	MODEL	TANK SIZE (GAL)	ENERGY SOURCE	INPUT (BTU)	THERMAL EFFICIENCY (%)	TEMPERATURE RISE (F)	OPERATING TEMPERATURE (F)	RECOVERY (GPH)	NOTES
WH-1	AO SMITH	399.9 KBTU	220	NAT. GAS	399,900	93	70	120	644	1,2,3,4
WH-2	AO SMITH	399.9 KBTU	220	NAT. GAS	399,900	93	90	140	501	1,2,3,4

NOTES:
1. UTILIZE CPVC PIPING FOR THE INTAKE AND EXHAUST LINE CONNECTIONS.
2. INSTALL PER MANUFACTURERES RECOMMENDATIONS.
3. COORDINATE ELETRICAL CONNECTIONS WITH ELECTRICIAN.
4. REFER TO DETAIL 1/PL-703 FOR MORE INFORMATION.

RE-CIRCULATING PUMP SCHEDULE

UNIT NUMBER	MANUFACTURER	MODEL	FLOW (GPM)	MAX HEAD (FT.)	SUCTION AND DISCHARGE SIZE (IN.)	ELECTRICAL			
						VOLTAGE	PHASE	FREQUNCY (HZ)	HP
RP-1	GRUNDFOS	UPS 32-80 F B	10	22	1.5	120	1	60	0.5
RP-2	GRUNDFOS	UPS 32-80 F B	10	22	1.5	120	1	60	0.5

NOTES:
1. PROVIDE STRAINER AND AQUASTAT.
2. AQUASTST TO TURN ON AT 100 F AND OFF AT 110 F.
3. AQUASTAT TO TURN ON AT 130 F AND OFF AT 140 F.

ARCHITECT

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ROCKLAND BOCES P-TECH C-TEC BUILDING

SED #: 50-90-00-00-0-044-001

65 PARROT RD,
WEST NYACK, NY 10994

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: PLUMBING SCHEDULES
SHEET NUMBER: P-801

BID SET

PROJECT NUMBER: ###
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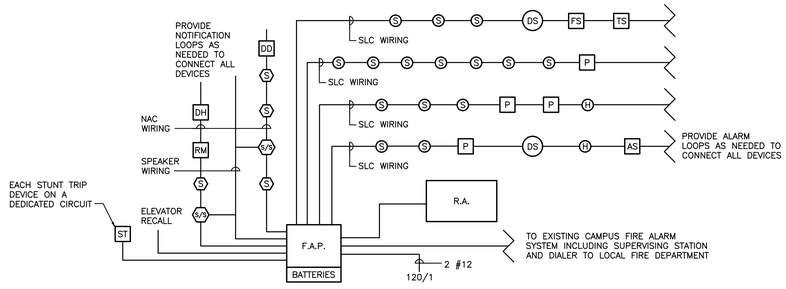
SYSTEM INPUTS		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	R	S	T	U	V	
CONTROL PANEL AND COMPONENTS	1 FIRE ALARM SYSTEM AC POWER FAILURE	X	X	X																X		1
	2 FIRE ALARM SYSTEM LOW BATTERY	X	X	X																X		2
	3 OPEN CIRCUIT/COMMUNICATION FAILURE	X	X	X																X		3
	4 GROUND FAULT	X	X	X																X		4
	5 SHORT CIRCUIT	X	X	X																X		5
FIELD DEVICES AND APPLIANCES	6 DIRTY SMOKE DETECTOR	X	X	X																X		6
	7 LOW POWER	X	X	X																X		7
	8 OPEN CIRCUIT/COMMUNICATION FAILURE	X	X	X																X		8
	9 GROUND FAULT	X	X	X																X		9
	10 SHORT CIRCUIT	X	X	X																X		10
	11 MANUAL FIRE ALARM PULL STATION	X	X	X			X	X										X				11
	12 AREA SMOKE DETECTOR	X	X	X			X	X										X				12
	13 AREA HEAT DETECTOR	X	X	X			X	X										X				13
	14 DUCT SMOKE DETECTOR	X	X	X										X	X				X			14
	15																					15
	16 LOBBY SMOKE DETECTOR (ALT LEVEL)	X	X	X			X	X		X								X				16
	17 LOBBY SMOKE DETECTOR (MAIN LEVEL)	X	X	X			X	X			X							X				17
	18 SHAFT HEAT DETECTOR	X	X	X			X	X				X						X				18
	19																					19
	20 KITCHEN EXHAUST HOOD FIRE SUPPRESSION	X	X	X														X				20
	21 CO DETECTOR	X	X	X												X			X			21
	22 NG DETECTOR	X	X	X															X			22
	23																					23
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	

SYSTEM OUTPUTS: DISPLAY EVENT AND LOCATION ON MAIN PANEL; STORE EVENT AND TIME/DATE IN NONVOLATILE MEMORY; DISPLAY EVENT AND LOCATION ON REMOTE ANNUNCIATOR PANEL/DISPLAY; ACTIVATE LOCAL SOUNDERS AND STROBES IN AREA OF ALARM (FIRE SIGNAL); ACTIVATE SOUNDERS AND STROBES ENTIRE BUILDING (FIRE SIGNAL); SIGNAL PRIMARY FLOOR ELEVATOR RECALL; SIGNAL ALTERNATE FLOOR ELEVATOR RECALL; SHUT DOWN AHU'S PER ELEVATOR PROTOCOL; SHUT SMOKE DAMPERS; SIGNAL SHUNT TRIP TO ELEVATOR POWER; ACTIVATE HVAC SHUTDOWN RECIPROCITY UNIT; TRANSMIT FIRE ALARM SIGNAL; ACTIVATE LOCAL SOUNDERS AND STROBES IN AREA OF ALARM (CO SIGNAL); TRANSMIT SUPERVISORY SIGNAL; ACTIVATE LOCAL SOUNDERS; TRANSMIT TROUBLE SIGNAL

1 FIRE ALARM MATRIX
N.T.S.



2 FIRE ALARM / DETECTION SYSTEM SCHEMATIC
N.T.S.

FIRE ALARM NOTES:

1. REFER TO THE FLOOR PLANS FOR LOCATION & QUANTITY OF FIRE ALARM DEVICES.
2. ALL FIRE ALARM WIRING SHALL BE IN TEFLON WIRE AND SHALL BE CONCEALED IN CEILING SPACES & WALLS.
3. SYSTEM SCHEMATIC IS A DIAGRAMMATIC REPRESENTATION OF THE FIRE ALARM SYSTEM. THE SYSTEM SHALL BE INSTALLED AND WIRED AS PER THE SYSTEM MANUFACTURER'S RECOMMENDATION FOR A COMPLETE AND OPERABLE SYSTEM.
4. CONTRACTOR IS RESPONSIBLE FOR ALL FILING AND FINAL INSPECTION AS PER THE LOCAL AUTHORITY HAVING JURISDICTION.
5. CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY MODULES, INTERFACE MODULES AND DEVICES REQUIRED TO PROVIDE AN OPERABLE ALARM SYSTEM IN COMPLIANCE WITH ALL CODES.
6. FIRE ALARM PANEL SHALL PROVIDE CONTINUOUSLY SUPERVISED MONITORING OF ALL SYSTEMS FOR OPENS, SHORTS AND GROUNDS.
7. ACTIVATION OF THE SMOKE DETECTORS SHALL CAUSE A GENERAL ALARM AFTER THE SMOKE DETECTOR PERFORMS VERIFICATION.
8. ACTIVATION OF ANY PULL STATION OR HEAT DETECTOR SHALL IMMEDIATELY CAUSE THE ALARM PANEL TO ENTER THE ALARM MODE.
9. UPON ENTERING THE PANEL ALARM MODE, THE ALARM INDICATING DEVICE SHALL BE ACTIVATED, AND THE SUPPLY FANS SHALL SHUT-DOWN AND THE DIGITAL COMMUNICATOR SHALL NOTIFY THE CENTRAL RECEIVING STATION. (LOCAL FIRE CONTROL CENTER).
10. CONTRACTOR SHALL PROVIDE ALL NECESSARY ADDITIONAL RELAY DEVICES OR POWER TRANSFORMERS FOR PROPER OPERATION OF THE FAN SHUT-DOWN UNITS AND OTHER RELATED DEVICES.
11. BATTERY BACKUP SHALL PROVIDE A MINIMUM OF 24 HRS. OPERATION WITH A 15 MINUTE ALARM AT THE END OF 24 HRS.
12. NEW FIRE ALARM SYSTEM SHALL BE TESTED IN ACCORDANCE WITH NFPA CODES 70, 70E, 72, BCNYS, FCNYS, LSC101 (2000)-CH.32 NEW BOARD AND CARE OCCUPANCY AS WELL AS ALL LOCAL AND STATE CODE REQUIREMENTS.
13. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL APPURTENANCES AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. MODEL NUMBERS GIVEN MAY NOT INCLUDE ALL SPECIFIC REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION.
14. PROVIDE APPURTENANCES NECESSARY SUCH THAT IF MORE THEN TWO STROBES ARE VISIBLE THEY SHALL FLASH IN SYNCH.
15. ENTIRE FIRE DETECTION AND ALARM SYSTEM SHALL BE FURNISHED AND INSTALLED BY A N.Y. STATE LICENSED ALARM CONTRACTOR.
16. FIRE ALARM PANEL SHALL BE PROVIDED WITH A REMOTE DIALER WITH (2) DIRECT CONNECTIONS TO THE LOCAL FIRE CONTROL CENTER.
17. FIRE ALARM CONTRACTOR SHALL PROVIDE AND INSTALL A KNOX BOX AT THE ENTRANCE TO THE BUILDING NEAREST THE FIRE ALARM PANEL WITH SIGNAGE ON THE DOOR TO THE FIRE ALARM CONTROL PANEL ROOM. COORDINATE ALL REQUIREMENTS WITH LOCAL FIRE AND BUILDING DEPARTMENT OFFICIALS.
18. ALL AIR HANDLING SYSTEMS RATED 2,000 CFM OR MORE SHALL BE PROVIDED WITH DUCT SMOKE DETECTORS FAN SHUTDOWNS CONNECTED TO THE FIRE ALARM SYSTEM.

GENERAL SYMBOLS

- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- POINT OF DISCONNECT
- X / XX — INDICATES SECTION LETTER / INDICATES DRAWING NUMBER WHERE LOCATED

ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISHED FLOOR
DIA	DIAMETER
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ETR	EXISTING TO REMAIN
EXIST.	EXISTING
FD	FLOOR DRAIN
FLR.	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
GC	GENERAL CONTRACTOR
HC	HVAC CONTRACTOR
MAX.	MAXIMUM
MER	MECHANICAL EQUIPMENT ROOM
MIN.	MINIMUM
N	NEW
NOM.	NOMINAL
PC	PLUMBING CONTRACTOR
RR	REMOVE & RELOCATE
U.N.O.	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD

LEGEND AND SCHEDULE OF FIRE ALARM EQUIPMENT

SYMBOL	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
F.A.P.	SIMPLEX FIRE	4010ES	1000 POINT ADDRESSABLE FIRE ALARM TERMINAL BOX, 240 VAC.
R.A.	SIMPLEX FIRE	4606-9102	80 CHARACTER BACKLIT LCD REMOTE FIRE ANNUNCIATOR.
P	SIMPLEX FIRE	4099-9005	ADDRESSABLE MANUAL DOUBLE-ACTION PULL STATION, RED
S	SIMPLEX FIRE	4098-9714	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. "CO" DENOTES 4098-9773 BASE FOR USE AS DUAL SMOKE/CO DETECTOR AND CO ALARM SOUNDER
H	SIMPLEX FIRE	4098-9778	ADDRESSABLE HEAT DETECTOR, 135°F THRESHOLD. "CO" DENOTES 4098-9773 BASE FOR USE AS DUAL SMOKE/CO DETECTOR AND CO ALARM SOUNDER
NG			NATURAL GAS DETECTOR. PROVIDE WITH ADDRESSABLE MONITOR MODULE TO CONNECT TO FIRE ALARM SYSTEM.
DS	SIMPLEX FIRE	4098-9756	ADDRESSABLE NON-RELAY PHOTOELECTRIC DUCT SMOKE DETECTOR. PROVIDE WITH APPROPRIATELY SIZED METAL SAMPLING TUBE AND ALL OTHER APPURTENANCES NECESSARY FOR A COMPLETE SYSTEM. COORDINATE INSTALLATION WITH M.C.
RT	SIMPLEX FIRE	2098-9806	DUCT SMOKE DETECTOR REMOTE TEST STATION. KEYED TEST STATION WITH MULTI-COLORED LED THAT ALTERNATES BETWEEN RED & GREEN. RED INDICATES ALARM. FOR USE WITH DUCT DETECTOR BELOW. PROVIDE WITH 6 KEYS. ALL REMOTE TEST STATIONS SHALL BE KEYED THE SAME. 24 VDC. 30 MA MINIMUM ALARM CURRENT.
FS	POTTER	VSR-4	SPRINKLER WATERFLOW SWITCH, 4".
TS	POTTER	OSYSU-1	SPRINKLER TAMPER SUPERVISORY SWITCH
RM	SIMPLEX FIRE	4090-5259	ADDRESSABLE RELAY MODULE FOR SHUTDOWN OF LOCAL POWER ON SYSTEM ACTIVATION
S	SIMPLEX FIRE	4906-9127	WALL-MOUNTED STROBE WITH SELECTABLE 15,30,75, AND 110 CD STROBE OUTPUT. SET TO 15 cd UNLESS NOTED OTHERWISE. RED INDOOR USE ONLY.
S/S	SIMPLEX FIRE	4906-9107	WALL-MOUNTED SPEAKER-STROBE WITH SELECTABLE 15,30,75, AND 110 CD STROBE OUTPUT AND MULTI-TAPPED SPEAKER OUTPUT. RED INDOOR USE ONLY.
S CO	SIMPLEX FIRE	49VO-WRA	WALL-MOUNTED CARBON MONOXIDE STROBE. PROVIDE WITH BLUE LENS KIT
S WP	SIMPLEX FIRE	4906-9105	WALL-MOUNTED STROBE WITH SELECTABLE 15,30,75, AND 110 CD STROBE OUTPUT. SET TO 15 cd UNLESS NOTED OTHERWISE. WEATHERPROOF.
S/S WP	SIMPLEX FIRE	4906-9131	WALL-MOUNTED SPEAKER-STROBE WITH SELECTABLE 15,30,75, AND 110 CD STROBE OUTPUT AND MULTI-TAPPED SPEAKER OUTPUT. WEATHERPROOF.
DH	POTTER	DH1224	LOW VOLTAGE ELECTROMAGNETIC DOOR HOLDER. 12/24V POWER AND CONTROL FROM FIRE ALARM SYSTEM
AS	-	-	ANSUL SYSTEM. PROVIDED AND INSTALLED BY FOOD SERVICE CONTRACTOR. FIRE ALARM WIRING BY ELECTRICAL CONTRACTOR
DR	-	-	SMOKE DAMPER. PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. FIRE ALARM WIRING AND 120V POWER WIRING BY ELECTRICAL CONTRACTOR.
ST	-	-	SHUNT TRIP CIRCUIT BREAKER WITH WIRE LEADS FOR ACTUATION BY FIRE ALARM SYSTEM

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SED #: 50-90-00-00-0-044-001

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/25
SCALE: AS SHOWN
SHEET NAME: FIRE ALARM COVER SHEET
SHEET NUMBER: FA-001

BID SET

PROJECT NUMBER: ###
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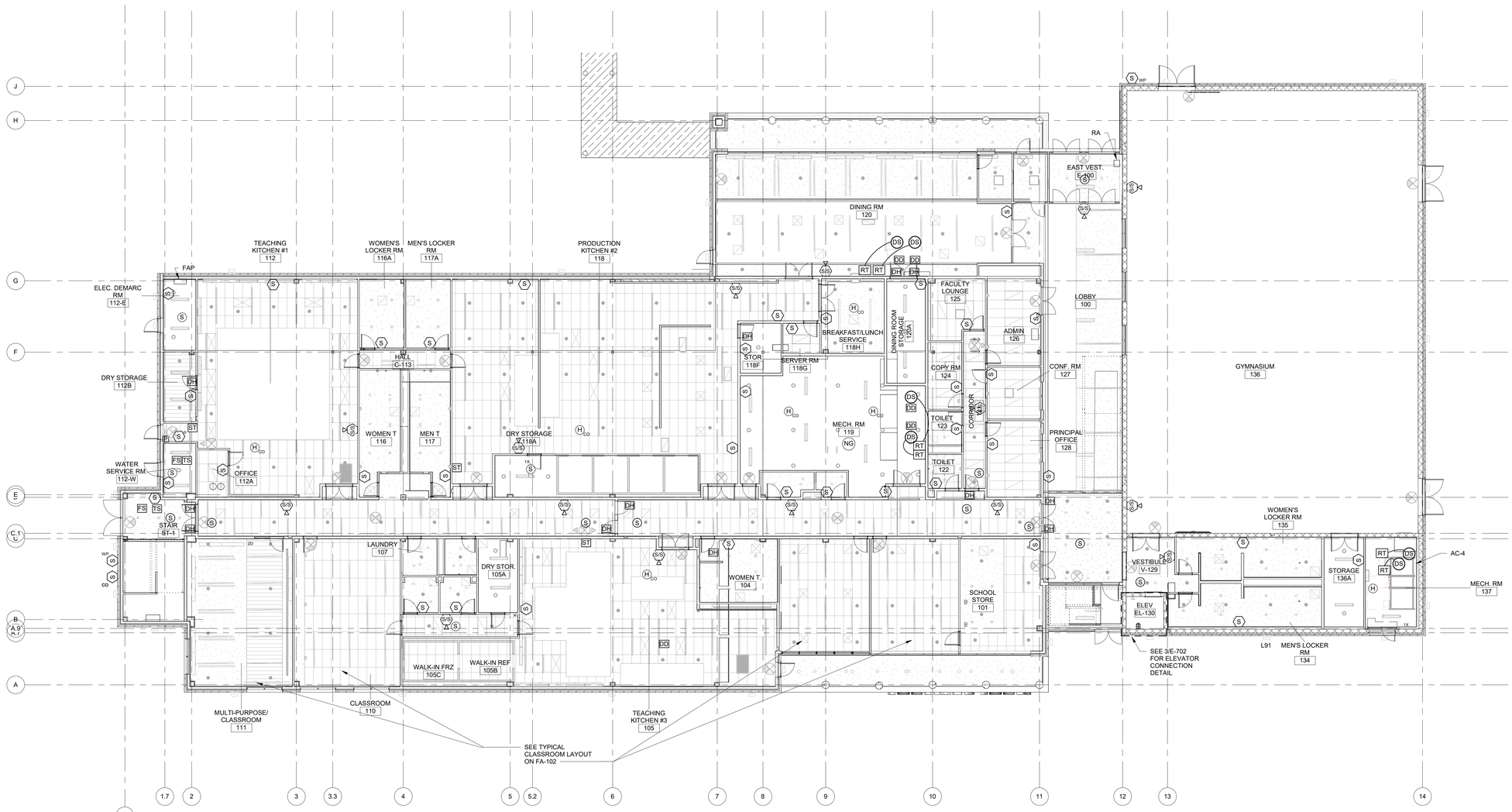

1 FIRE ALARM FIRST FLOOR PLAN
3/32" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: FIRE ALARM FIRST FLOOR PLAN
SHEET NUMBER: FA-101

BID SET

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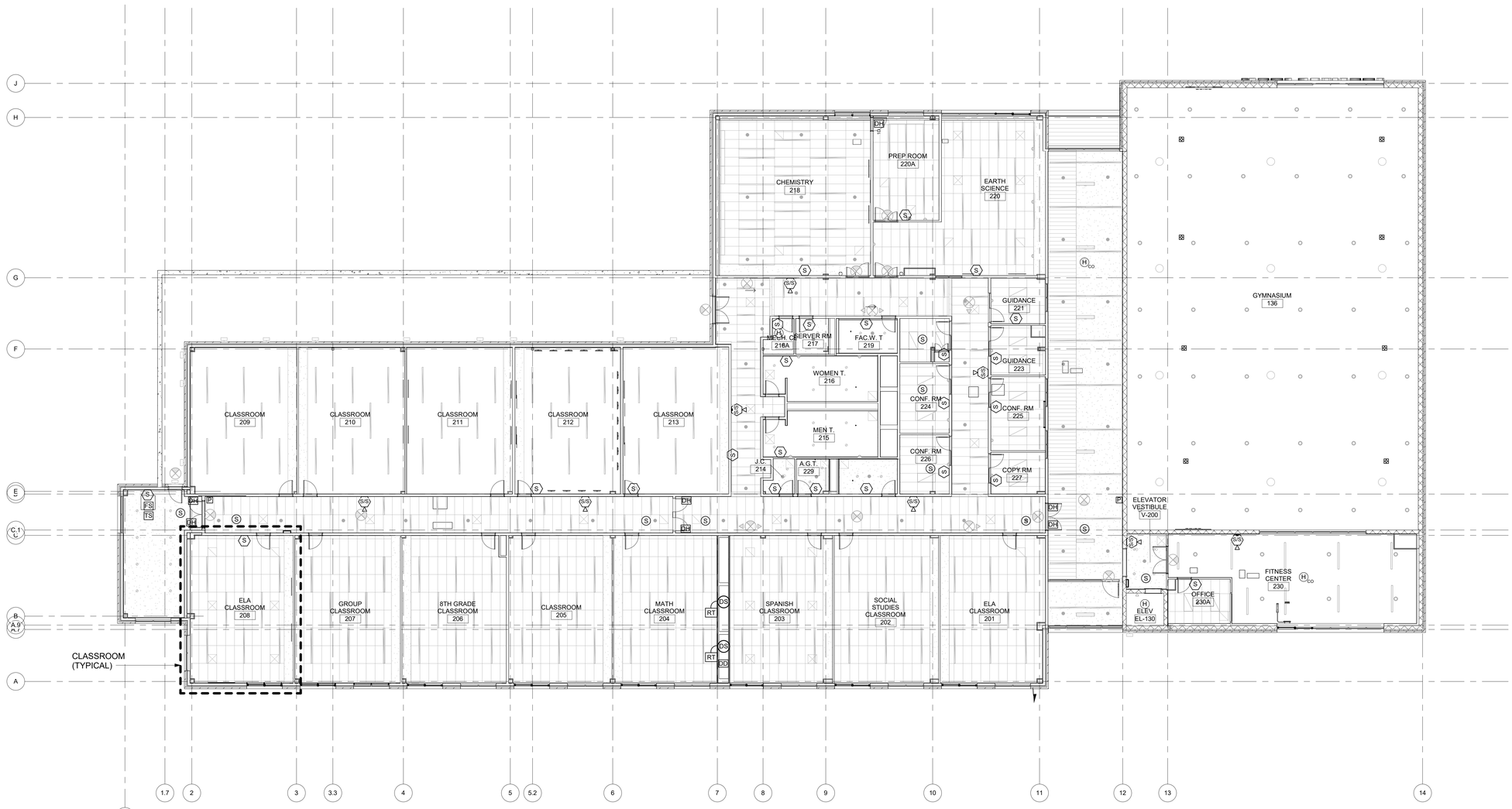

1 FIRE ALARM SECOND FLOOR PLAN
3/32" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME:
FIRE ALARM SECOND FLOOR PLAN
SHEET NUMBER:
FA-102

BID SET

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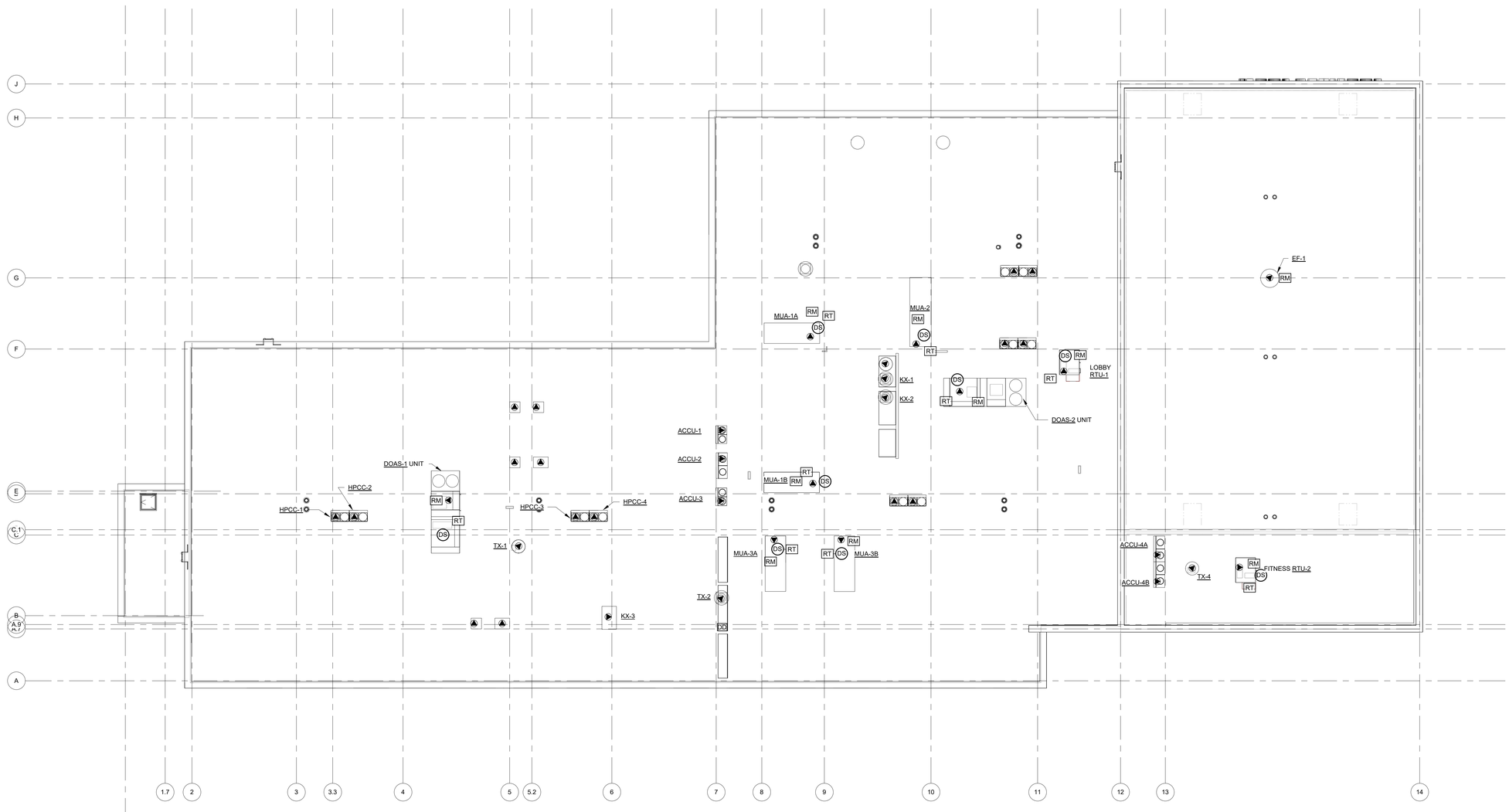

1 FIRE ALARM ROOF PLAN
3/32" = 1'-0"

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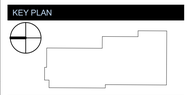
KEY PLAN



REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
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SHEET NAME:
FIRE ALARM ROOF PLAN

SHEET NUMBER:
FA-103

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FIRE PROTECTION SYSTEM NOTES:

1. THE INTENT OF THESE DRAWINGS IS TO PROVIDE A COMPLETE & OPERATIVE SPRINKLER SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES AS REQUIRED. THIS CONTRACTOR SHALL MEET THE INTENT OF THE PLANS & SPECIFICATIONS AS WELL AS THE ACCOMPANYING DOCUMENTS. THIS CONTRACTOR SHALL PROVIDE ANY ADDITIONAL MATERIAL & LABOR NOT SPECIFICALLY LISTED OR DIRECTED WHICH MAY BE REQUIRED TO MEET THE INTENT OF THE PLANS & SPECIFICATIONS FOR A COMPLETE AND OPERABLE SYSTEM.
2. IT IS THIS CONTRACTOR'S SOLE RESPONSIBILITY TO PROVIDE ALL CUTTING, PATCHING, BOXING, PRIME AND FINISH WORK REQUIRED TO COMPLETE THE INSTALLATION. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
   A. WATER FLOW & PRESSURE TESTING OF AVAILABLE WATER SUPPLY SYSTEM.
   B. PIPE SIZING VIA THE HYDRAULIC PIPE SIZE METHOD PER NFPA-13.
   C. THE INSTALLATION OF ALL PIPING AND COORDINATION OF WORK WITH OTHER SUB-CONTRACTORS.
   D. INSPECTION & TESTING OF ALL PIPING & DEVICES, OBTAINING APPROVALS & PAYING OF ALL FEES AS REQUIRED FOR THE SYSTEM INSTALLATION & APPROVALS.
   E. ONE YEAR GUARANTEE ON MATERIAL & WORKMANSHIP. COMPLETE OPERATING INSTRUCTIONS INCLUDING MAINTENANCE & TESTING INSTRUCTIONS (POSTED IN SPRINKLER CONTROL AREA).
3. DO NOT PIERCE ANY STRUCTURAL MEMBER.
4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING WITH THE BUILDING STRUCTURE, AS WELL AS WITH OTHER TRADES DURING CONSTRUCTION. SEE PLANS FOR ADDITIONAL REQUIREMENTS. CONTRACTOR SHALL OBTAIN APPROVAL & COORDINATE WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
5. THE SPRINKLER SYSTEM SUB-CONTRACTOR AND THE FIRE ALARM SYSTEM SUB-CONTRACTOR SHALL COORDINATE THE SYSTEM WITH THE FIRE DEPARTMENT AND OBTAIN ALL APPROVALS AND PAY ALL FEES.
6. SUPERVISORY SWITCHES AND FLOW SWITCHES TO BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONNECTIONS TO BUILDING FIRE ALARM SYSTEM BY FIRE ALARM CONTRACTOR.
7. SPRINKLER CONTRACTOR SHALL PROVIDE ENGINEER WITH SIGNED & SEALED HYDRAULIC CALCULATIONS AND PIPE LAYOUT FOR REVIEW AND APPROVAL.
8. CONTRACTOR SHALL SEAL ALL PIPE PENETRATIONS THROUGH RATED WALLS AND CEILINGS WITH INTUMESCEANT TYPE FIRE SEALANT CAULK. PROVIDE ESCUTCHEONS AT ALL PENETRATIONS IN FINISHED AREAS.
9. IN GENERAL, SPRINKLERS SHALL BE ARRANGED FOR A MAXIMUM COVERAGE AS SHOWN ON PLANS WHILE AVOIDING LIGHTS, DIFFUSERS, ETC. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE HIS PIPING AND SPRINKLERS FOR PROPER COVERAGE IN EACH AREA. ADD SPRINKLERS AS REQUIRED FOR PROPER COVERAGE AS DICTATED BY ACTUAL FIELD CONDITIONS.
10. ALL FIRE PROTECTION SYSTEMS PROVIDED SHALL BE U.L. LISTED AND F.M. APPROVED AS APPLICABLE.
11. CONTRACTOR SHALL PROVIDE AND INSTALL ALL COMPONENTS INDICATED ON DETAIL SHEETS, PLANS, SPECIFICATIONS AND ALL PERTINENT EQUIPMENT REQUIRED FOR A COMPLETE AND WORKABLE SYSTEM.
12. CONTRACT CLOSE OUT: IN THE PRESENCE OF THE OWNER, ENGINEER OR ARCHITECT; DEMONSTRATING OPERATION OF SYSTEMS AND THAT ALL SPECIFICATIONS HAVE BEEN MET TO THE SATISFACTION OF ALL PARTIES.
13. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

PIPING SYMBOLS

- ANCHOR
- PIPE GUIDE
- REDUCER OR INCREASER
- TOP CONNECTION, 45° OR 90°
- BOTTOM CONNECTION, 45° OR 90°
- SIDE CONNECTION
- CAPPED OUTLET
- RISE OR DROP IN PIPE

GENERAL SYMBOLS

- POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
- INDICATES SECTION LETTER
- INDICATES DRAWING NUMBER WHERE LOCATED
- FIRE HOSE SIAMESE CONNECTION
- FIRE HYDRANT
- FIRE PUMP MOTOR
- PENDANT SPRINKLER HEAD
- CONCEATED SIDE WALL SPRINKLER HEAD
- EXTENDED COVERAGE SIDE WALL SPRINKLER HEAD
- SIDEWALL SPRINKLER HEAD.
- UPRIGHT SPRINKLER HEAD

ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE
AFF	ABOVE FINISHED FLOOR
DIA	DIAMETER
DN	DOWN
EC	ELECTRICAL CONTRACTOR
ETR	EXISTING TO REMAIN
EXIST.	EXISTING
FD	FLOOR DRAIN
FLR.	FLOOR
FPC	FIRE PROTECTION CONTRACTOR
GC	GENERAL CONTRACTOR
HC	HVAC CONTRACTOR
MAX.	MAXIMUM
MER	MECHANICAL EQUIPMENT ROOM
MIN.	MINIMUM
N	NEW
NOM.	NOMINAL
PC	PLUMBING CONTRACTOR
RR	REMOVE & RELOCATE
U.N.O.	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD

FIRE PROTECTION LINE TYPES

- NEW SPRINKLER PIPE

LEGEND AND SCHEDULE OF SPRINKLER HEADS

SYMBOL	MANUFACTURER	MODEL #	MOUNTING TYPE	K-FACTOR	DESCRIPTION
⊙	RELIABLE	F1FR56 - RA1425	UPRIGHT	5.6	QUICK RESPONSE, STANDARD COVERAGE UPRIGHT SPRINKLER HEAD WITH 1/2" NPT THREAD SIZE. ORDINARY TEMPERATURE CLASSIFICATION WITH A MAXIMUM OPERATING PRESSURE OF 175 PSI. PROVIDE WITH PROTECTICE GUARDS WHERE REQUIRED.
●	RELIABLE	G5-56 - RA3415	CONCEALED PENDANT	5.6	QUICK RESPONSE, STANDARD COVERAGE FLAT CONCEALED SPRINKLER HEAD WITH 1/2" NPT THREAD SIZE. ORDINARY TEMPERATURE CLASSIFICATION WITH A MAXIMUM OPERATING PRESSURE OF 175 PSI. PROVIDE WITH COVER PLATES THAT MATCH CEILING COLOR.
△	RELIABLE	F1FR56 - RA1435	SIDEWALL	5.6	QUICK RESPONSE, STANDARD COVERAGE HORIZONTAL SIDEWALL SPRINKLER HEAD WITH 1/2" NPT THREAD SIZE. ORDINARY TEMPERATURE CLASSIFICATION WITH A MAXIMUM OPERATING PRESSURE OF 175 PSI.
◗	RELIABLE	G6-56 - RA5035	CONCEALED SIDEWALL	5.6	QUICK RESPONSE, STANDARD COVERAGE HORIZONTAL CONCEALED SIDEWALL SPRINKLER HEAD WITH 1/2" NPT THREAD SIZE. ORDINARY TEMPERATURE CLASSIFICATION WITH A MAXIMUM OPERATING PRESSURE OF 175 PSI. PROVIDE WITH COVER PLATES THAT MATCH FINISHED WALL.
◗E	RELIABLE	G6 -80 - RA4762	CONCEALED SIDEWALL	8.0	QUICK RESPONSE, EXTENDED COVERAGE HORIZONTAL CONCEALED SIDEWALL SPRINKLER HEAD WITH 3/4" NPT THREAD SIZE. ORDINARY TEMPERATURE CLASSIFICATION WITH A MAXIMUM OPERATING PRESSURE OF 175 PSI AND A MINIMUM OPERATING PRESSUE OF 23.8 PSI. PROVIDE WITH COVER PLATES THAT MATCH FINISHED WALL.

ENERGY CODE STATEMENT:

TO THE BEST OF THE REGISTERED DESIGN PROFESSIONAL'S KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THESE PLANS AND/OR SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CODE.

UNIFORM CODE STATEMENT:

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SED #: 50-90-00-00-0-044-001

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/25

SCALE: AS SHOWN

SHEET NAME:
FIRE PROTECTION COVER SHEET

SHEET NUMBER:
FP-001

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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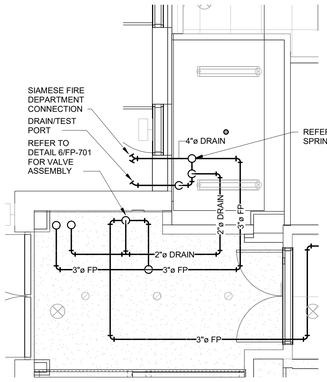
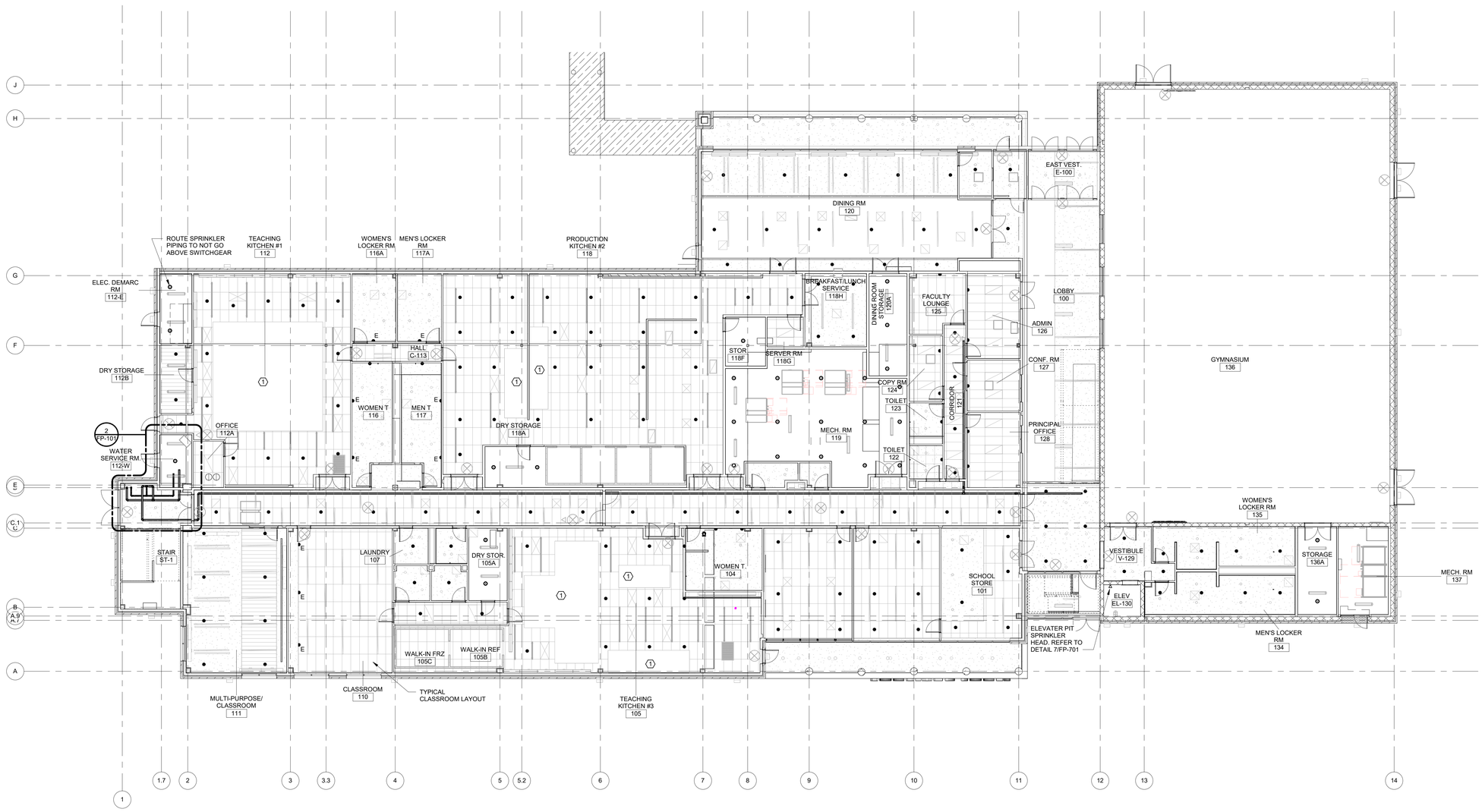


2 FIRE PROTECTION ENLARGED WATER SERVICE ROOM PLAN

1/4" = 1'-0"

KEYED NOTE:

1. KITCHEN HOODS LOCATED IN THIS AREA PROTECTED BY HOOD SUPPRESION SYSTEM



1 FIRE PROTECTION FIRST FLOOR SPRINKLER PLAN

3/32" = 1'-0"

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REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: As indicated
SHEET NAME: FIRE PROTECTION FIRST FLOOR SPRINKLER PLAN
SHEET NUMBER: FP-101

BID SET

DRAWN BY: Author
CHECKED BY: Checker
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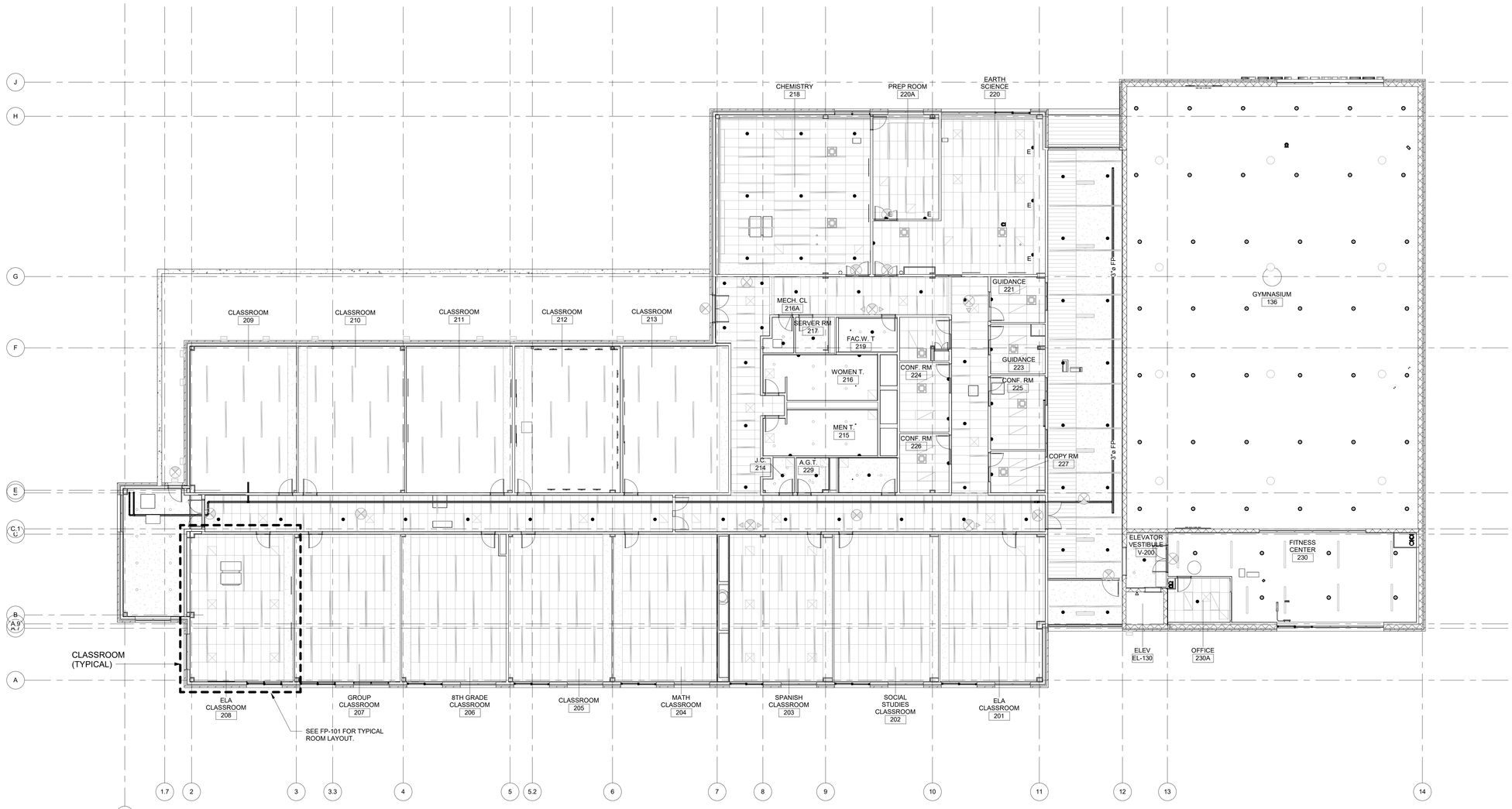

1 FIRE PROTECTION SECOND FLOOR SPRINKLER PLAN
3/32" = 1'-0"

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KEY PLAN

REVISIONS

No.	Description	Date

ISSUED: BID SET ISSUANCE
DATE: 6/30/2025
SCALE: 3/32" = 1'-0"
SHEET NAME: FIRE PROTECTION SECOND FLOOR SPRINKLER PLAN
SHEET NUMBER: FP-102

BID SET

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CHECKED BY: JH/JV
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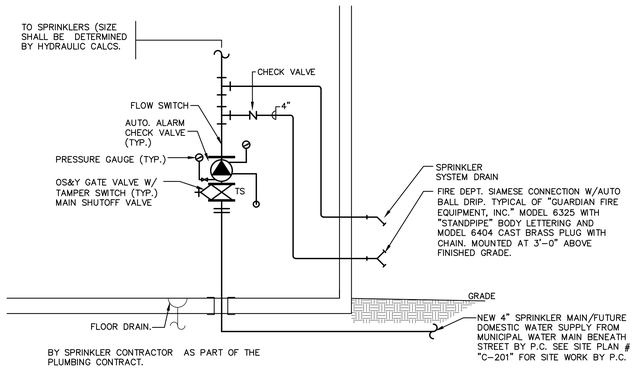

1 WET SPRINKLER ENTRANCE -TYPICAL
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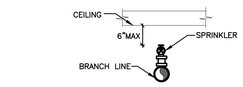
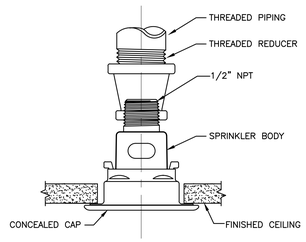
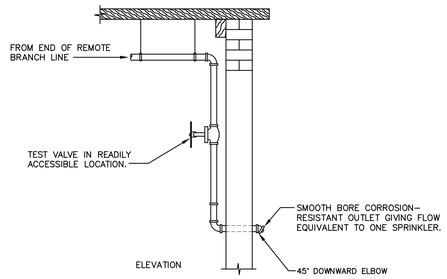


2 UPRIGHT SPRINKLER DETAIL
N.T.S.



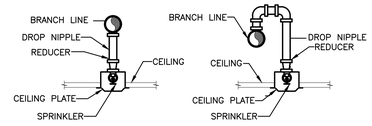
NOTE:
1. UPON SPRINKLER ACTIVATION, THE DEFLECTOR SHALL DESCEND TO APPROXIMATELY 13/16" BELOW THE SPRINKLER BODY.

3 CONCEALED PENDANT SPRINKLER DETAIL
N.T.S.

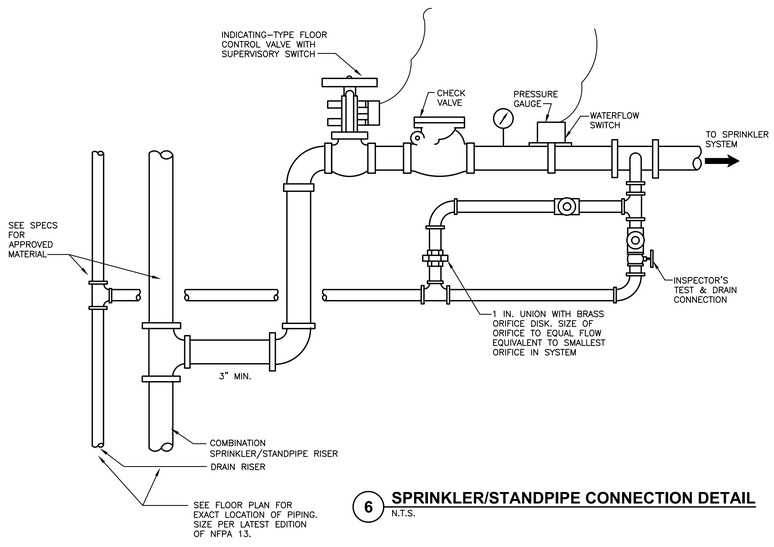


NOTE:
NOT LESS THAN 4 FT (1.2M) OF EXPOSED TEST PIPE IN WARM ROOM BEYOND VALVE WHERE PIPE EXTENDS THROUGH WALL TO OUTSIDE.

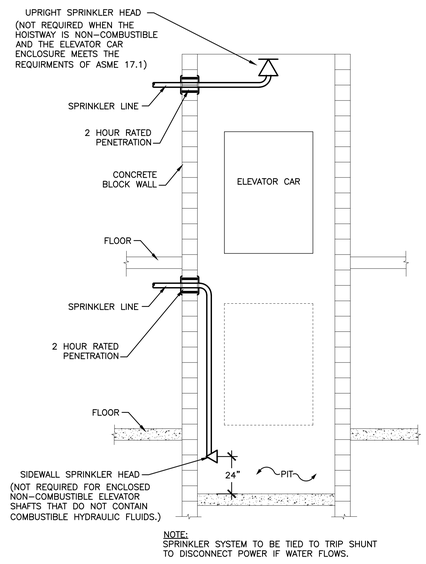
4 INSPECTOR'S TEST CONNECTION DETAIL
N.T.S.



5 CONCEALED PENDANT SPRINKLER DETAIL
N.T.S.



6 SPRINKLER/STANDPIPE CONNECTION DETAIL
N.T.S.



NOTE:
SPRINKLER SYSTEM TO BE TIED TO TRIP SHUNT TO DISCONNECT POWER IF WATER FLOWS.

7 ELEVATOR HOISTWAY SPRINKLER DETAIL
N.T.S.

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No.	Description	Date

ISSUED: BID SET ISSUANCE

DATE: 6/30/25

SCALE: AS SHOWN

SHEET NAME:
FIRE PROTECTION DETAIL SHEET

SHEET NUMBER:
FP-701

BID SET

PROJECT NUMBER: ###
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