VILLAGE OF MOUNT KISCO

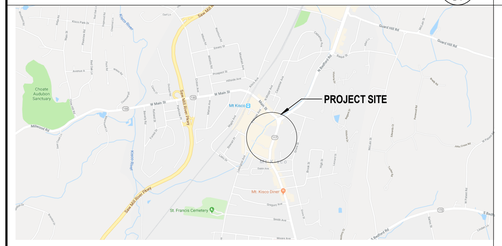
ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549
H2M Project No. MKIV1802
12-13-2021

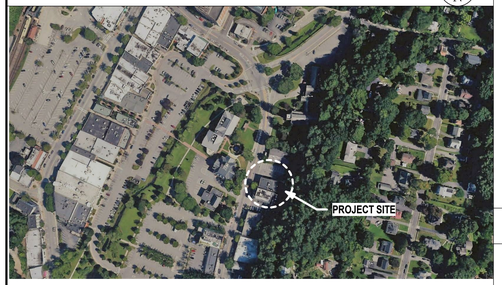
GINA PICINICH - MAYOR | JEAN FARBER - DEPUTY MAYOR | EDWARD BRANCATI - VILLAGE MANAGER | FRANCIS MANNION - COMMISSIONER | MICHAEL CURTIS - COMMISSIONER

FRANK RANDAZZO - COMMISSIONER | GINA DILEO - COMMISSIONER | DAVID HUGHES - 1ST ASSISTANT CHIEF | JOHN HOCHSTEIN - 2ND ASSISTANT CHIEF | JOHN BODDIE - CHIEF OF DEPARTMENT

VICINITY MAP



LOCATION MAP



GENERAL NOTES

- THESE DRAWINGS ARE PART OF THE CONSTRUCTION DOCUMENTS AND ARE FOR THE GENERAL LAYOUT, DIMENSIONS, AND MATERIAL DETAILS OF THIS PROJECT. THEY ARE TO BE USED IN CONJUNCTION WITH THE REMAINDER OF THE ACCOMPANYING CONSTRUCTION DOCUMENTS.
- IN THE EVENT OF DISCREPANCIES BETWEEN CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING PRIOR TO PROCEEDING AND SHALL NOT PROCEED WITHOUT DIRECTION FROM THE ARCHITECT.
- FOR CLARITY AND/OR EMPHASIS, DETAIL DRAWINGS MAY NOT SHOW ALL COMPONENTS OR ELEMENTS AT THAT CONDITION. THIS DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PROVIDING THOSE COMPONENTS REASONABLY INFERABLE AND/OR SHOWN OR NOTED ELSEWHERE IN THE CONTRACT DOCUMENTS.
- ANY/ ALL DIMENSIONS SHALL BE FIELD VERIFIED. CONTRACTORS AND SUBCONTRACTORS SHALL BE RESPONSIBLE FOR BRINGING ANY DIMENSIONAL DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT IN WRITING. PLAN DIMENSIONS ARE NOMINAL, DETAIL DIMENSIONS ARE ACTUAL UNLESS OTHERWISE NOTED.
- DIMENSIONS SHALL NOT BE DETERMINED BY SCALING THE DRAWINGS.
- A SET OF PLANS BEARING THE ARCHITECT'S & ENGINEER'S SEALS SHALL BE KEPT AT THE SITE AT ALL TIMES DURING CONSTRUCTION.
- ANY ALTERATION TO DRAWINGS BY ANYONE EXCEPT A LICENSED ARCHITECT OR ENGINEER IS PROHIBITED BY LAW. IF ANY ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT/ENGINEER SHALL AFFIX TO HIS/HER ALTERATION HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE, DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.
- TYPICAL DETAILS ARE TO BE USED UNLESS OTHERWISE NOTED.

PROFESSIONAL SEALS

ABBREVIATIONS

A.C.M.U.	ARCHITECTURAL CONCRETE MASONRY UNIT	HR.	HOUR
A.F.F.	ABOVE FINISHED FLOOR	INSUL.	INSULATED/INSULATION
ALUM.	ALUMINUM	INT.	INTERIOR
APPROX.	APPROXIMATE	MECH.	MECHANICAL
@	AT	MAX.	MAXIMUM
B/O	BOTTOM OF	M.C.	MECHANICAL CONTRACTOR
BM	BEAM	M.D.O.	MEDIUM DENSITY OVERLAY
BLDG.	BUILDING	MTL.	METAL
C.B.	CATCH BASIN	MIN.	MINIMUM
CLG.	CEILING	M.O.	MASONRY OPENING
C.G.	CORNER GUARD	M.R.	MOISTURE RESISTANT
℄	CENTERLINE	N.F.W.H.	NON FREEZE WALL HYDRANT
C.O.	CLEANOUT	N.I.C.	NOT IN CONTRACT
COL.	COLUMN	NL	NIGHT LIGHT
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
C.M.U.	CONCRETE MASONRY UNIT	O.C.	ON CENTER
CONT.	CONTINUOUS	O.H.	OVERHEAD
CPT.	CARPET	OPP.	OPPOSITE
C.T.	CERAMIC TILE/PORCELAIN TILE	OPNG.	OPENING
CJ	CONTROL JOINT	P.LAM.	PLASTIC LAMINATE
DIA.	DIAMETER	PLUMB.	PLUMBING
DHW.	DOMESTIC HOT WATER HEATER	PLYWD.	PLYWOOD
DN.	DOWN	P.C.	PLUMBING CONTRACTOR
D.S.	DOWNSPOUT	P.S.F.	POUNDS PER SQUARE FOOT
DWG.	DRAWINGS	P.S.I.	POUNDS PER SQUARE INCH
D.F.	DRINKING FOUNTAIN	PT.	PAINT
EA.	EACH	P.T.	PRESSURE TREATED
E.C.	ELECTRICAL CONTRACTOR	Q.T.	QUARRY TILE
EJ	EXPANSION JOINT	R-#	RESISTANCE R-VALUE (INSUL.)
ELEC.	ELECTRICAL	RAD.	RADIUS (CURVES)
ELEV.	ELEVATION	REINF.	REINFORCEMENT
EPOXY PT.	EPOXY PAINT	REQ'D.	REQUIRED
EXP.	EXPOSED	RM.	ROOM
EXIST.	EXISTING	R.O.	ROUGH OPENING
EXT.	EXTERIOR	S.A.C.	SUSPENDED ACOUSTICAL CEILING
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM	SIM.	SIMILAR
FIN.	FINISH	SF	SQUARE FOOT
FE.	FIRE EXTINGUISHER	S/S or S.S.	STAINLESS STEEL
F.F.	FINISHED FLOOR	S.D.T.	STATIC DISSIPATIVE TILE
FEC.	FIRE EXTINGUISHER IN CABINET	STRUCT.	STRUCTURAL
FLR.	FLOOR	T.B.B.	TILE BACKER BOARD
F.R.P.	FIBER REINFORCED PANEL	T.O.F.	TOP OF FOOTING
F.R.	FIRE RETARDANT	T.O.M.	TOP OF MASONRY
FS	FLOOR SINK	T.O.S.	TOP OF STEEL BAR JOIST OR BEAM
FD	FLOOR DRAIN	T.O.W.	TOP OF WALL
F/W	FACE OF WALL	TYP.	TYPICAL
GALV.	GALVANIZED	TYPE 'X'	FIRE CODE GWB
GA.	GAUGE	U.O.N.	UNLESS OTHERWISE NOTED
G.C./G.C.C.	GENERAL CONTRACTOR	V.B.	VAPOR BARRIER/VAPOR RETARDER
GYP.	GYPSUM	V.R.	VAPOR RETARDER
GWB/G.W.B.	GYPSUM WALL BOARD	V.C.T.	VINYL COMPOSITION TILE
HDCP.	HANDICAPPED	V.I.F.	VERIFY IN FIELD
HVAC.	HEATING, VENTILATING & AIR CONDITIONING	WR.	WATER RESISTANT
H.M.	HOLLOW METAL	W/	WITH
HORIZ.	HORIZONTAL		

DRAWING LIST

H2M architects + engineers

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	*
PROJECT No:	DATE:	SCALE:	
MKIV1802	12-13-2021	AS SHOWN	

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

STATUS

CONSTRUCTION DOCUMENTS

DRAWING No.

G0.1

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GENERAL NOTES

1. THE MINIMUM CORRIDOR WIDTH SHALL NOT BE LESS THAN 44", PER 1020.2.
2. ACCESSIBLE PARKING SPACES MUST BE PROVIDED PER TABLE 1106.1.
3. MAXIMUM TRAVEL DISTANCE TO EXIT PER TABLE 1017.2
   W/O SPRINKLER: 'A', 'B'=200'; 'S-2'= 300'

1. FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH 906.1 AND TABLES 906.3(1) & 906.3(2).
2. CORRIDORS REQUIRED TO BE FIRE RATED IN ACCORDANCE WITH TABLE 1020.1 FOR A-3 OCCUPANT LOAD OVER 30 PEOPLE WITHOUT A SPRINKLER SYSTEM
   A. 'A', 'B', 'S', W/O SPRINKLER AND OCCUUPANT LOAD OVER 30 = 1 HR FIRE RESISTANCE RATED CORRIDOR
3. SIGNAGE:
   SIGNS IDENTIFYING THE EXISTENCE OF TRUSS CONSTRUCTION SHALL CONSIST OF A CIRCLE 6 INCHES (152.4 MM) IN DIAMETER, WITH A STROKE WIDTH OF ½ INCH (12.7 MM). THE SIGN BACKGROUND SHALL BE REFLECTIVE WHITE IN COLOR. THE CIRCLE AND CONTENTS SHALL BE REFLECTIVE RED IN COLOR, CONFORMING TO PANTONE MATCHING SYSTEM (PMS) #187. WHERE A SIGN IS DIRECTLY APPLIED TO A DOOR OR SIDELIGHT, IT MAY BE A PERMANENT NON-FADING STICKER OR DECAL. SIGNS NOT DIRECTLY APPLIED TO DOORS OR SIDELIGHTS SHALL BE OF STURDY, NON-FADING, WEATHER RESISTANT MATERIAL.

   SIGNS IDENTIFYING THE EXISTENCE OF TRUSS CONSTRUCTION SHALL CONTAIN THE ROMAN ALPHANUMERIC DESIGNATION OF THE CONSTRUCTION TYPE OF THE BUILDING, IN ACCORDANCE WITH THE PROVISIONS FOR THE CLASSIFICATION OF TYPES OF CONSTRUCTION SET FORTH IN SECTION 602 OF THE BUILDING CODE OF NEW YORK STATE (SEE 19 NYCRR PART 1221), AND AN ALPHABETIC DESIGNATION FOR THE STRUCTURAL COMPONENTS THAT ARE OF TRUSS CONSTRUCTION, AS FOLLOWS: "F" SHALL MEAN FLOOR FRAMING, INCLUDING GIRDERS AND BEAMS "R" SHALL MEAN ROOF FRAMING "FR" SHALL MEAN FLOOR AND ROOF FRAMING THE CONSTRUCTION TYPE DESIGNATION SHALL BE PLACED AT THE TWELVE O'CLOCK POSITION OVER THE STRUCTURAL COMPONENT DESIGNATION, WHICH SHALL BE PLACED AT THE SIX O'CLOCK POSITION.

   EXTERIOR BUILDING ENTRANCE DOORS, EXTERIOR EXIT DISCHARGE DOORS, AND EXTERIOR ROOF ACCESS DOORS TO A STAIRWAY. ATTACHED TO THE DOOR, OR ATTACHED TO A SIDELIGHT OR THE FACE OF THE BUILDING, NOT MORE THAN 12 INCHES (305 MM) HORIZONTALLY FROM THE LATCH SIDE OF THE DOOR JAMB, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE.

   MULTIPLE CONTIGUOUS EXTERIOR BUILDING ENTRANCE OR EXIT DISCHARGE DOORS. ATTACHED AT EACH END OF THE ROW OF DOORS AND AT A MAXIMUM HORIZONTAL DISTANCE OF 12 FEET (3.65M) BETWEEN SIGNS, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE.

   FIRE DEPARTMENT HOSE CONNECTIONS. ATTACHED TO THE FACE OF THE BUILDING, NOT MORE THAN 12 INCHES (305 MM) HORIZONTALLY FROM THE CENTER LINE OF THE FIRE DEPARTMENT HOSE CONNECTION, AND NOT LESS THAN 42 INCHES (1067 MM) NOR MORE THAN 60 INCHES (1524 MM) ABOVE THE ADJOINING WALKING SURFACE

2020 BUILDING CODE of NEW YORK STATE (2018 IBC) (TABLES 504.3, 504.4 & 506.2)

	ALLOWED	PROPOSED
BUILDING OCCUPANCY	A-3	A-3 (Note 1)
CONSTRUCTION CLASSIFICATION	VB non-sprinklered	VB non-sprinklered
HEIGHT (STORIES)	1 above grade	1 above grade
HEIGHT (FEET)	40'-0"	32'-4"
FIRE AREA	6,000 SF (PER STORY ABOVE GRADE)	5,547 S.F. (LARGEST FLOOR AREA)

NOTES
1. PER IBC SECTION 508, SHALL BE CONSIDERED MIXED USE BUILDINGS, GENERALLY CONSISTING OF GROUPS B, S-2, & A-3 WHERE APPLICABLE. THIS PROJECT SHALL CONSIST OF NON-SEPARATED USES (508.3) AND THE MOST RESTRICTIVE, A-3 SHALL APPLY WHEN CALCULATING PERMITTED FIRE AREAS AND BUILDING HEIGHTS.

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLES 601 & 602)

BUILDING OCCUPANCY CLASSIFICATION: ASSEMBLY GROUP A3 (B, S-2)
CONSTRUCTION CLASSIFICATION: TYPE VB

BUILDING ELEMENT	HOURS
PRIMARY STRUCTURAL FRAME	0
EXTERIOR BEARING WALLS	1, Note 1
EXTERIOR NON-BEARING WALLS	1, Note 1
INTERIOR BEARING WALLS	0
NON-BEARING WALLS	0
FLOOR CONSTRUCTION	0
ROOF CONSTRUCTION	0

NOTES
1. PER TABLE 602, FIRE RATING REQUIRED FOR PORTION OF WALL 0-10' FROM CLOSEST BUILDING ON ADJACENT LOT LINE.
2. SEE DWG. A0.1 FOR WALL TYPES.

UL ASSEMBLIES FOR THROUGH WALL PENETRATIONS

	PENETRANTS					
	METAL CONDUIT	CABLES	NON-INSULATED METAL PIPE	INSULATED PIPE	FR POLYPRO-PYLENE PIPE	INSULATED METAL DUCT
GWB STUD WALL, OR SHAFT WALL UP TO 2-HR RATING	W-L-1001	W-L-3001	W-L-1001	W-L-5011	W-L-2002	W-L-7009 UP TO 24" x 12" W-L-7025 UP TO 42" x 28"
CMU WALL UP TO 2-HR RATING	C-AJ-1044 C-AJ-1008	C-AJ-3029 C-AJ-3030	C-AJ-1044	C-AJ-5001	C-AJ-2001	C-AJ-7003 C-AJ-7016

NOTE:
UP TO (1) HOUR RATING. SUBMIT ENGINEERED JUDGMENT FIRESTOPPING SYSTEM FOR THIS COMBINATION OF PENETRANT, WALL/FLOOR ASSEMBLY, AND FIRE RATING.

2020 Uniform Building Code of New York State (2018 IBC) Code Areas / Occupant Loads

Building Areas (per code section 503)
Used for Building Size Calculations
* See Allowable Building Area Worksheet

First Floor	5,547
Second Floor	5,547
Total Building Area S.F.	**11,094**

Gross/Net Floor Areas (per code section 1003 & Table 1004.5)
Used for means of egress occupancy calculations

Occupancy	*Area*	*S.F. Per Occupant*	*Occupant Load*
First Floor			
Existing Apparatus Bay	1744 sf @	200 gross	9
New Apparatus Bay	1371 sf @	200 gross	7
Office	146 sf @	150 gross	1
Work Room	105 sf @	150 gross	1
Radio Room	61 sf @	150 gross	1
Turnout Gear	864 sf @	300 gross	3
Support/Storage**	583 sf @	300 gross	3
Second Floor			
Ex. Mtg. Rm.	1447 sf @	15 net	97
Kitchen	352 sf @	200 gross	2
Ex. Members' Rm.	1212 sf @	15 net	81
New Office	255 sf @	150 gross	2
New Training	326 sf @	150 gross	3
Alternate Training Roof	464 sf @	150 gross	4
Support/Storage	331 sf @	300 gross	2
	Total First Floor Occupants		**25**
	Total Second Floor Occupants		**191**
	Total Occupants		**216**

**Actual occupancies may differ from the calculated occupancies when grouped

Overall Building Size (inclusive of exterior walls)
Used for zoning footprint and materials estimates

First Floor	5,547
Second Floor	5,547
Total Overall Building Gross S.F.	**11,094**

	FIRST FLOOR	SECOND FLOOR	TOTALS
EXISTING TO BE RENOVATED	853 GSF	300 GSF	1,153 GSF
NEW CONSTRUCTION	1,572 GSF	447 GSF ALT	3,144 GSF ALT
EXISTING BUILDING	3,975 GSF	3,975 GSF	7,950 GSF
PROPOSED COMPLETE	5,547 GSF	5,547 GSF	11,094 GSF

Room Schedule

Number	Name
113	EXTENDED STAIR VEST.
114	ENTRANCE
115	CLOSET
116	LOBBY
117	ELEVATOR
118	NEW APPARATUS BAY
119	NEW GEAR AREA
120	EXPANDED LAUNDRY/ STORAGE
210	OFFICE
211	JANITOR'S CLOSET
212	CORRIDOR
213	MEN'S TOILET ROOM
214	TRAINING ROOM
215	TRAINING ROOF
216	ELEV. LOBBY
217	ELEVATOR
218	STORAGE
219	STORAGE
220	WOMEN'S TOILET ROOM
221	KITCHEN
A	EX. STAIR A
B	EX. STAIR B
R101	EX. LOBBY
R102	CLOSET
R103	ELECTRICAL ROOM
R104	EX. RADIO ROOM
R105	EX. BATHROOM
R106	EX. MECHANICAL
R108	EX. BAYS
R109	EX. EGR /STOR.
R110	STORAGE
R111	EX. CHIEF OFFICE
R112	CLOSET
R201	EXISTING MEETING ROOM
R205	EX. MEMBERS ROOM
R208	EX. STORAGE
R209	EX. STORAGE

EXIT PLAN LEGEND

2020 UBC NYS / IBC 2018

- 23 / 4,534/200 — CALCULATED OCCUPANTS PER OCCUPIED SPACE; SQ. FT./AREA PER OCCUPANT, 2020 UBC NYS TABLE 1004.5
- # — NUMBER OF OCCUPANTS AND DIRECTION OF EXIT TRAVEL WHERE POPULATIONS ARE SPLIT
- # — NUMBER OF OCCUPANTS AND DIRECTION OF TRAVEL, CUMULATIVE
- XX' to exit — MAXIMUM TRAVEL DISTANCE TO EACH EXIT (PER 2020 UBC NYS TABLE 1017.2 FOR EACH USE WITH SPRINKLER : A: 250', B: 300', S-2: 400')
- XX' to exit — MAXIMUM TRAVEL DISTANCE TO EACH EXIT (PER 2020 UBC NYS TABLE 1017.2 FOR EACH USE WITHOUT SPRINKLER : A: 200', B: 200', S-2: 300')
- A-3 — ASSEMBLY - (NOTE THAT IN ASSEMBLY OCCUPANCIES NUMBER OF OCCUPANTS MUST BE POSTED PER 2020 UBC NYS)
- B — BUSINESS - FIRE STATION
- S-2 — STORAGE (APPARATUS BAYS) - PER NYS TECHNICAL BULLETIN DATED OCTOBER 31, 2017, RE: 19 NYCRR1221-BUILDING CONSTRUCTION
- S-2 — STORAGE (SUPPORT SPACES)
- V / FR — TRUSS IDENTIFICATION SIGN LOCATIONS
- 130 A,R — TOTAL EXIT LOAD AT DOOR; 'A' DENOTES ACCESSIBLE EGRESS; 'R' DENOTES RESTRICTED ENTRANCE (SECURE)
- PUBLIC ENTRANCE (ACCESSIBLE BY DEFAULT)
- 1HR RATED WALL CONSTRUCTION
- 1HR RATED EXISTING WALL CONSTRUCTION
- HC — ACCESSIBLE TOILET FACILITIES; ACCESSIBLE PLUMBING FIXTURE (SHOWER, SINK, OR URINAL)
- FE-# — FIRE EXTINGUISHER & TYPE
- FEC-# — FIRE EXTINGUISHER (IN CABINET) & TYPE
- ## — EXIT / EXIT ACCESS DOOR
- TACTILE EXIT SIGN

NOTE: NOT ALL SYMBOLS WILL BE USED

PLUMBING FIXTURE COUNT

		Water Closets		Lavatories		Drinking Fountains	Urinals	Service Sink			Shower	
Use	Occupants	Men	Women	Men	Women						Men	Women
A-3	178	1.19	1.19	0.45	0.45	0.36		0.00			0.00	0.00
B	14	0.28	0.28	0.18	0.18	0.14		0.00			0.00	0.00
S-2	26	0.13	0.13	0.13	0.13	0.03		0.00			0.00	0.00
Subtotal	218	1.60	1.60	0.75	0.75	0.52		1.00			0.00	0.00
Required Fixtures		2	2	1	1	2	1	1			0	0
		2 min.						↑ Maximum # of Substitutions for Water Closets				
Provided Fixtures		3	2	3	2	2	2	1			1	1

Note: Only new toilet rooms will meet ANSI/ADA accessible requirements.

Miscellaneous Code Information

Use Groups (code section 302)	*S-2, B, A-3*
Occupancy Classification (code section 508.3)	*Mixed Use Non-Separated*
Construction Classification (code section 601)	*VB*

ALL CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING BUILDING CODES:
2020 Building Code of New York State, adopts with amendments: International Building Code 2018 (IBC 2018)
EBCNYS-20 Existing Building Code of New York State
FCNYS-20 Fire Code of New York State
PCNYS-20 Plumbing Code of New York State
MCNYS-20 Mechanical Code of New York State
FGCNYS-20 Fuel Gas Code of New York State
ECCCNYS-20 Energy Conservation Construction Code of New York State
ICC A117.1-09 Accessible and Usable Buildings and Facilities

Area Increase for Frontage

$I_f = [F/P - .25] (W/30)$

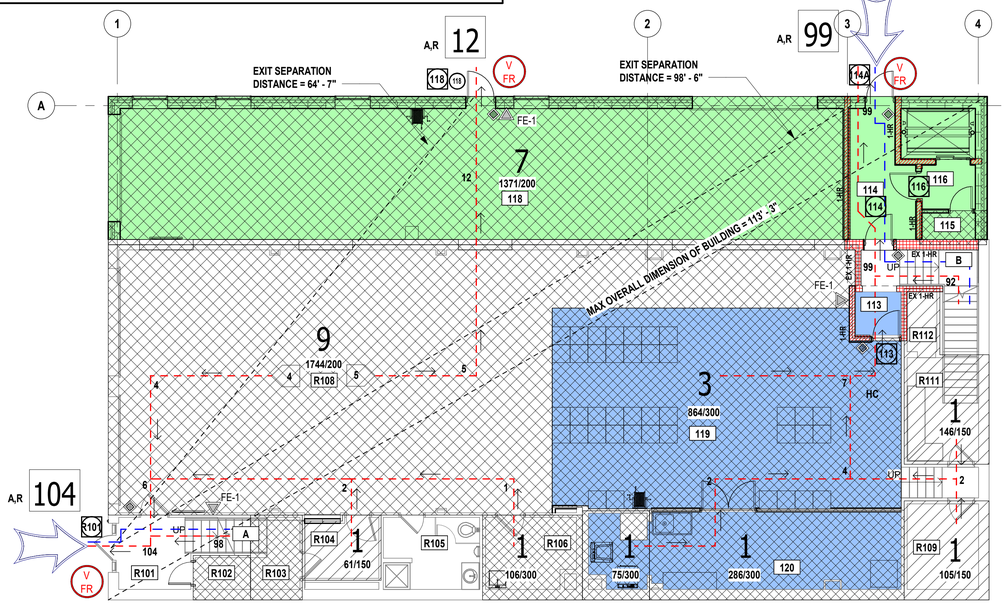
W =	30	W/30 =	1.00
F =	155		
P =	309		
I_f =	25	%	

Total Allowable Area per Floor

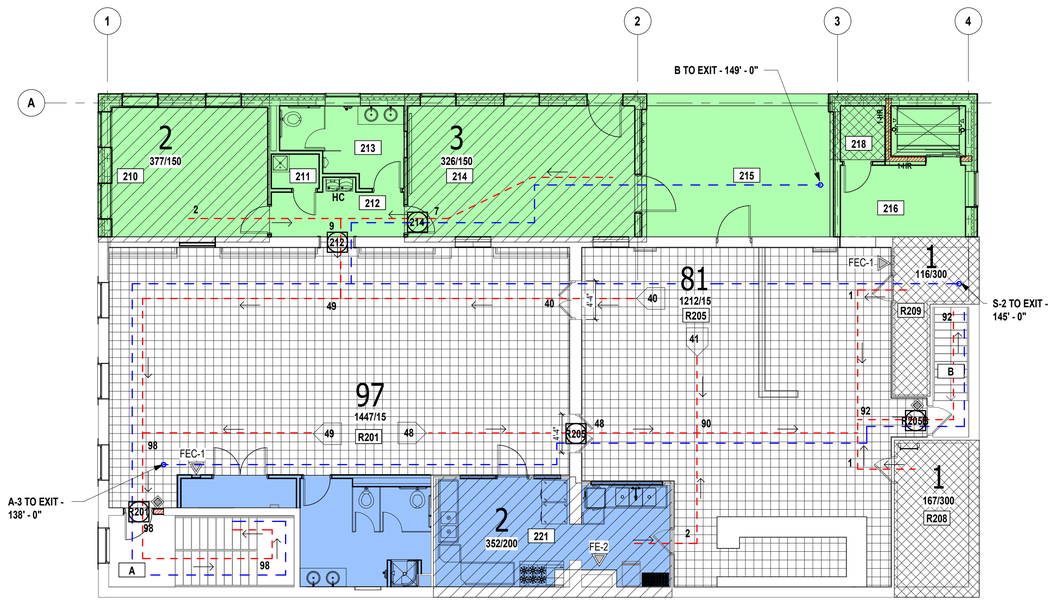
506.2.4 Mixed Occupancy, Multistory Buildings

$A_a = A_t + (NS \times I_f)$

	VB	⇔ Construction Type
	A-3	⇔ Building Occupancy
A_t =	6,000	⇔ Allowable area for 2 story from Table 506.2 Based on MOST restrictive Use
NS =	6,000	⇔ Allowable non-sprinklered area
I_f =	25 %	
A_a =	7,510 SF	⇔ Total Allowable Area per Floor



1 FIRST FLOOR EGRESS PLAN
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR EGRESS PLAN
SCALE: 1/8" = 1'-0"

THIS SHEET SHALL BE PRINTED IN COLOR

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1802	12-13-2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
NEW YORK STATE CODE ANALYSIS, NOTES AND LEGENDS

DRAWING No.
G1.1

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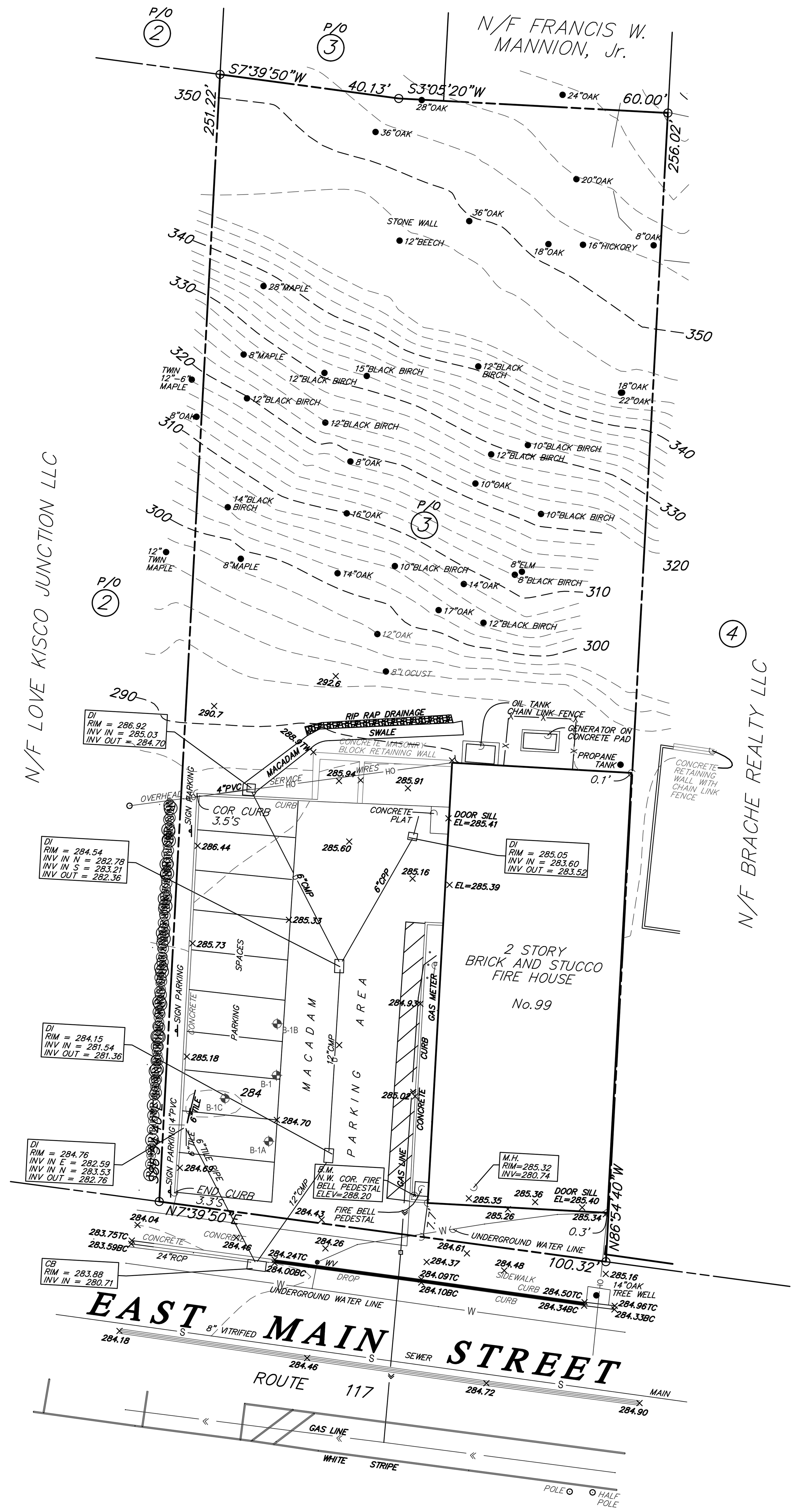
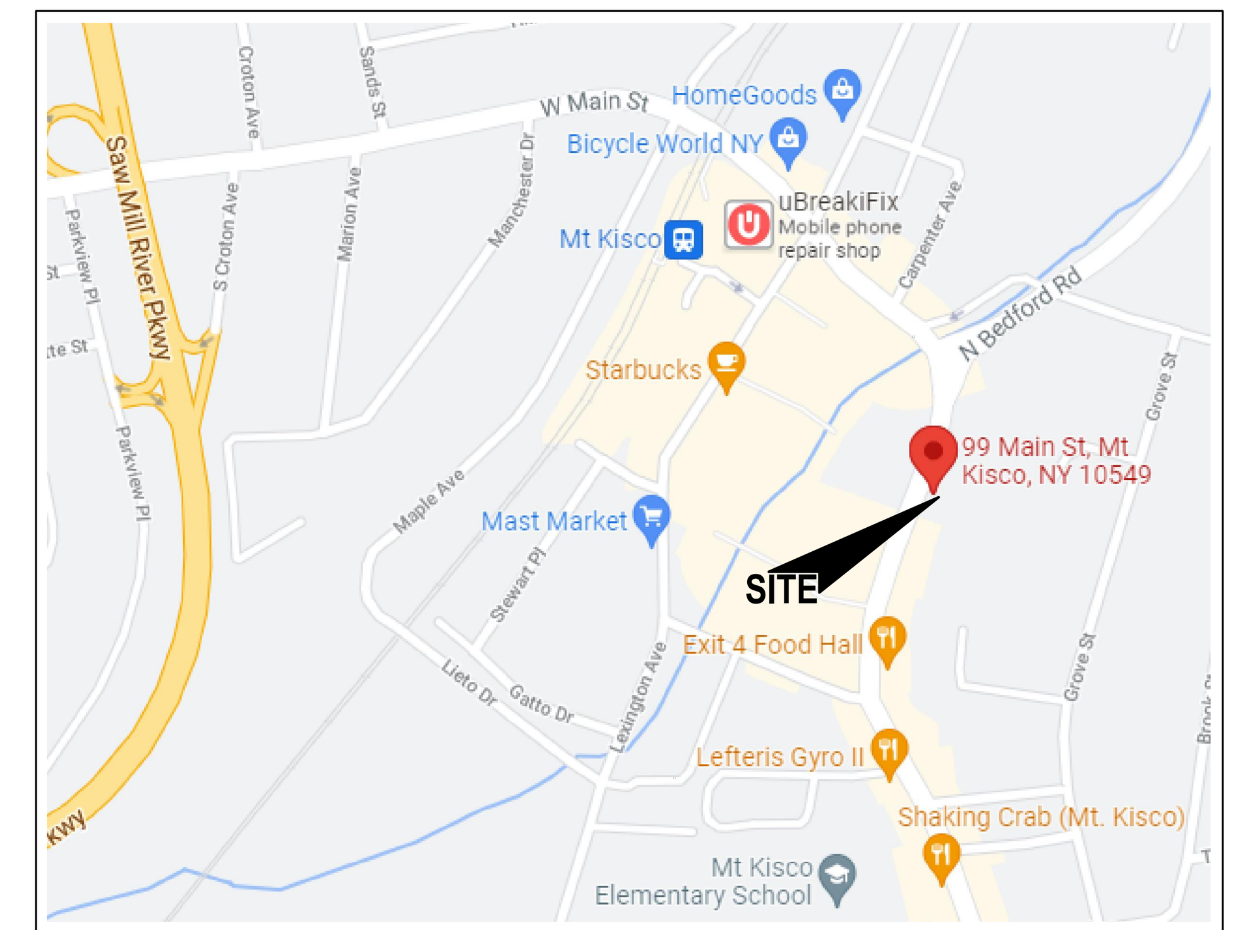


GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.



LOCATION MAP

SCALE 1" = 600'±

© 2021 GOOGLE MAP DATA

LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
MONUMENT		CURB	
DRAINAGE MANHOLE	D.M.H.	DROP CURB	
CATCH BASIN	C.B.	STORM DRAIN	D D
INLET	D.I.	WATER MAIN	W W
HYDRANT		SANITARY SEWER	S
WATER VALVE	W.V.	UNDERGROUND GAS	«
SANITARY MANHOLE	S.M.H.	UNDERGROUND ELECTRIC	E E
LIGHT POLE	LP LP	OVERHEAD WIRES	O/H O/H
UTILITY POLE/GUY POLE/POLE	POLE	FENCE	X X
GAS VALVE	G.V.	SPOT ELEVATION	×
SIGN		TOP/BOT CURB GRADE	T.C.=283.22 B.C.=282.84
MANHOLE	M.H.	HANDICAP PARKING STALL	
EXISTING TREE		PARKING METER	

EXISTING CONDITIONS NOTES:

1. SURVEY PREPARED BY ROBERT S. JOHNSON, P.L.S OF H. STANLEY JOHNSON AND COMPANY LAND SURVEYORS, P.C. MAP DATED MARCH 20, 2018.
2. MARKOUT OF UNDERGROUND UTILITIES COMPLETED BY H. STANLEY JOHNSON AND COMPANY LAND SURVEYORS, P.C.
3. BENCHMARK - (NORTHWEST CORNER OF THE BELL PEDESTAL, EL. = 288.20).
4. THE SUBSURFACE INFORMATION SHOWN HEREON, IF ANY, IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS AND SHOULD BE VERIFIED BY THE CONTRACTOR BEFORE ANY EXCAVATION. LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES BOTH PUBLIC AND CUSTOMER OWNED, WERE OBTAINED FROM EITHER OLD MAPS, SURVEYS, DRAWINGS/RECORDS SUPPLIED BY OTHERS AND/OR UTILITY MARKOUT. THE OWNER AND ENGINEER DO NOT GUARANTEE OR ACCEPT RESPONSIBILITY FOR ANY DAMAGE TO SUCH FACILITIES DUE TO DISCREPANCIES IN LOCATION AND SIZE SHOWN ON THE PLANS OR THOSE UTILITIES AND STRUCTURES NOT SHOWN.
5. ELEVATIONS SHOWN HEREON ARE IN ACCORDANCE WITH NAVD88 TOPOGRAPHIC DATUM.
6. ADDITIONAL UNDERGROUND EASEMENTS, UTILITIES OR STRUCTURES, ETC. OTHER THAN THOSE SHOWN HEREON MAY BE ENCOUNTERED.
7. PROJECT SITE: SECTION 80.25, BLOCK 3, LOT 1.
8. COPIES OF THIS DOCUMENT WITHOUT AN ACTUAL OR FACSIMILE OF THE ENGINEER'S SIGNATURE AND AN ORIGINAL STAMP SHALL BE CONSIDERED INVALID.
9. UNAUTHORIZED ALTERATIONS OR ADDITIONS TO THIS DOCUMENT BEARING THE SEAL OF A LICENSED PROFESSIONAL ENGINEER IS A VIOLATION OF SECTION 7209 SUBSECTION 2 OF THE NEW YORK STATE EDUCATION LAW.
10. UTILITY INFORMATION:
    - WATER/SEWER - VILLAGE OF MOUNT KISCO (914-864-0029)
    - ELECTRIC - CON EDISON (800-752-6633)
    - GAS - CON EDISON (800-752-6633)
    - TELEPHONE - VERIZON (800-837-4966)

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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP		LLC

PROJECT No.:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

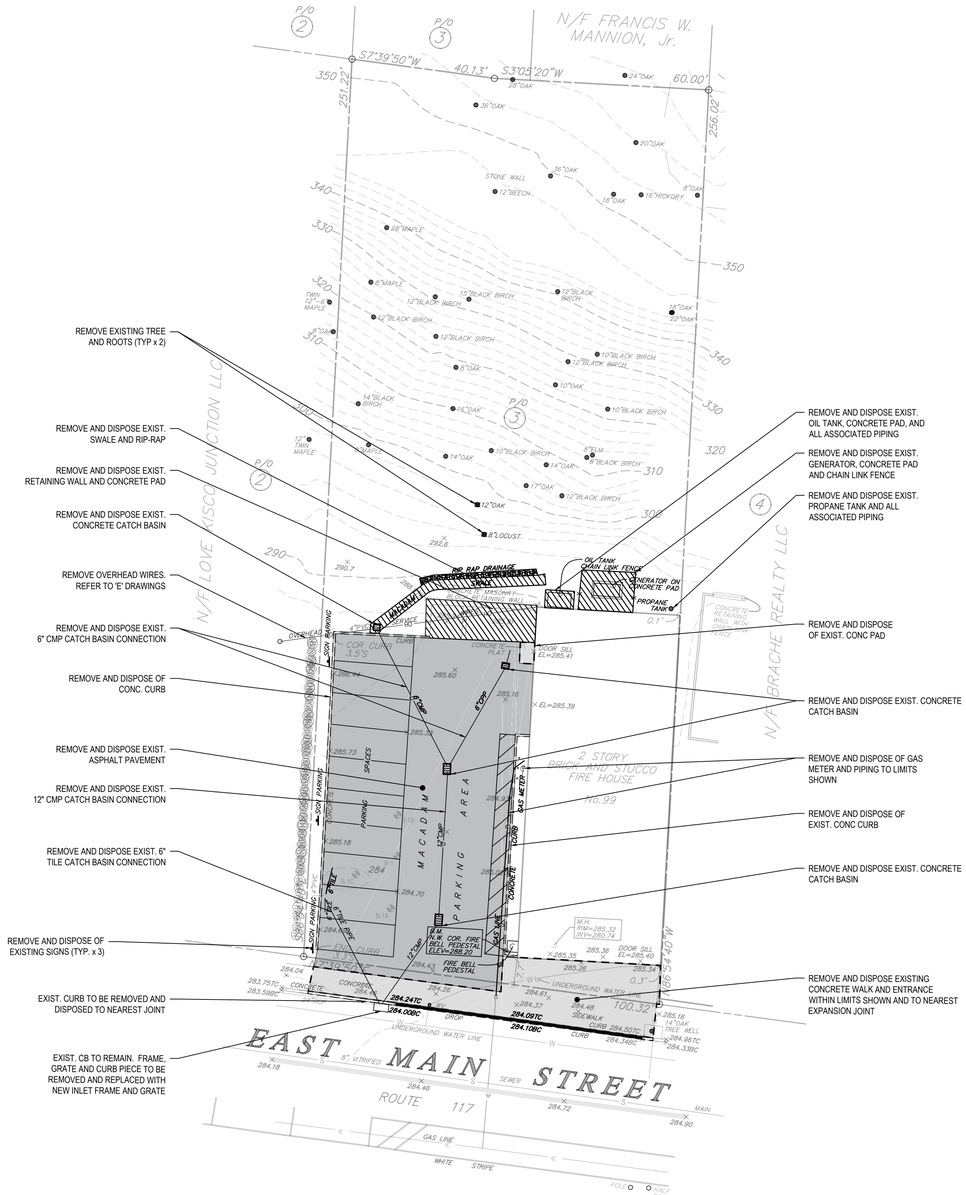
NOT FOR CONSTRUCTION

SHEET TITLE

EXISTING CONDITIONS PLAN

DRAWING No.

V 100.00



LEGEND

DESCRIPTION	SYMBOL
REMOVE AND DISPOSE EXISTING TREE	
REMOVE AND DISPOSE OF EXISTING CURB	
REMOVE AND DISPOSE EXISTING ASPHALT PAVEMENT AND BASE	
REMOVE AND DISPOSE EXISTING CONCRETE SIDEWALK	
REMOVE AND DISPOSE EXISTING ON-SITE FEATURES AS NOTED	
REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE	X — X
REMOVE AND DISPOSE OF EXISTING DRAINAGE INLET / CATCH BASIN	
REMOVE AND DISPOSE OF EXISTING SANITARY LINE	S — S
REMOVE AND DISPOSE OF EXISTING DRAINAGE LINE	D — D
REMOVE AND DISPOSE OF EXISTING ELECTRICAL SERVICE	E — E
RELOCATE EXISTING OVERHEAD LINE	OH — OH
REMOVE AND DISPOSE OF EXISTING GAS SERVICE	G — G
REMOVE AND DISPOSE OF EXISTING SIGN	

SITE REMOVALS NOTES:

1. REPORT ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND PLANS TO ENGINEER IN WRITING IMMEDIATELY.
2. UNDERGROUND UTILITY INFORMATION SHOWN WAS OBTAINED FOR DESIGN PURPOSES ONLY. PROVIDE CONSTRUCTION MARKOUT AND LOCATE EXISTING UNDERGROUND UTILITIES. NO EXCAVATION TO COMMENCE WITHOUT 811 UTILITY NOTIFICATION COMPLETED.
3. AFTER MARKOUT AND PRIOR TO DISTURBING SITE, UNCOVER RELEVANT SUBSURFACE UTILITIES AND STRUCTURES WITHIN LIMITS OF DISTURBANCE TO CONFIRM LOCATION AND DEPTH. REPORT ANY CONFLICTS TO ENGINEER.
4. REPAIR ANY DAMAGE TO EXISTING UTILITIES RESULTING FROM CONTRACTOR OPERATIONS IMMEDIATELY AT NO COST TO OWNER.
5. REPAIR ANY DAMAGE TO EXISTING SITE FEATURES SCHEDULED TO REMAIN RESULTING FROM CONTRACTOR OPERATIONS AT NO COST TO OWNER.
6. LOCATE ALL COMPONENTS OF ANY EXISTING IRRIGATION SYSTEMS PRIOR TO CONSTRUCTION AND PROTECT THROUGHOUT DURATION OF CONTRACT. REPAIR ALL DAMAGED COMPONENTS AT NO COST TO THE OWNER.
7. SAWCUT CONCRETE PAVEMENT BACK TO NEAREST EXPANSION/CONTROL JOINT.
8. PROVIDE TEMPORARY FENCING TO PROTECT WORK AREAS.
9. INSTALL EROSION CONTROL MEASURES AS SHOWN ON EROSION AND SEDIMENT CONTROL PLAN PRIOR TO GROUND DISTURBANCE.
10. DELINEATE LIMITS OF CLEARING FOR REVIEW BY OWNER PRIOR TO COMMENCING WORK.
11. NOTIFY ENGINEER IMMEDIATELY IN WRITING WHEN UNKNOWN STRUCTURES OR SUSPECTED HAZARDOUS OR CONTAMINATED MATERIALS ARE ENCOUNTERED PRIOR TO REMOVAL OR DISTURBANCE.
12. TAKE APPROPRIATE MEASURES TO PROTECT PEDESTRIANS AND VEHICULAR TRAFFIC DURING REMOVAL ACTIVITIES, AND PROVIDE TEMPORARY MEASURES FOR PROTECTION AND SAFETY OF PUBLIC UNTIL FINAL ACCEPTANCE BY OWNER.
13. BACKFILL ALL VOIDS RESULTING FROM REMOVAL OF EXISTING SITE FEATURES. BACKFILL TO BE SOIL, FREE OF ORGANIC MATERIAL, DEBRIS, TRASH, CLAY AND STONES LARGER THAN 4 INCHES.
14. REMOVALS PLAN PROVIDES DESIGN CONCEPT FOR REQUIRED WORK TO ACCOMMODATE NEW CONSTRUCTION BUT IS NOT INTENDED TO SHOW ALL DETAILS. CONTRACTOR TO PROVIDE ALL REMOVALS REQUIRED TO COMPLETE WORK.

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

NOT FOR CONSTRUCTION

SHEET TITLE

DEMOLITION SITE PLAN

DRAWING No.

CD 100.00

LEGEND

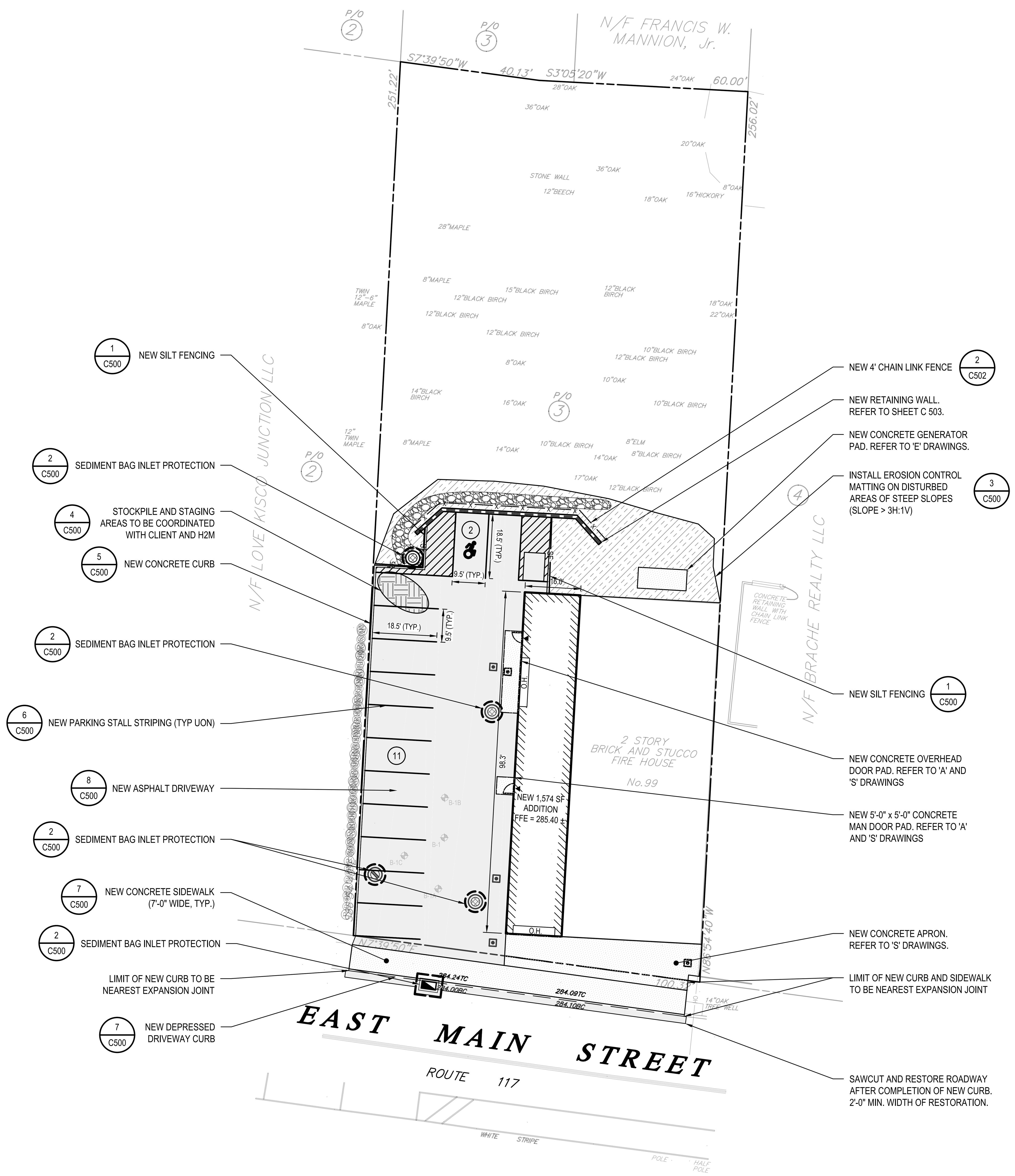
DESCRIPTION	SYMBOL
CURB	
RETAINING WALL	
CONCRETE DROP CURB	
ASPHALT PAVEMENT	
CONCRETE PAVEMENT SIDEWALK	
DOOR	
OVERHEAD DOOR	OH
CLEAN OUT	
CATCH BASIN	
DRAINAGE MANHOLE	
PARKING STALL COUNT	12
CHAIN LINK FENCE	— x — x —
NEW SILT FENCE	— SF — SF —
NEW INLET SEDIMENT BAG PROTECTION	
NEW EROSION CONTROL BLANKET	

PERMANENT SEEDING AND SOIL RESTORATION NOTES:

1. SOIL RESTORATION SHALL BE IN ACCORDANCE WITH CHAPTER 5, TABLE 5.3 OF THE NYS STORMWATER MANAGEMENT DESIGN MANUAL.
2. SOIL RESTORATION SHALL BE REQUIRED ON ALL AREAS OF THE SITE WHICH TOPSOIL WAS STRIPPED AND IN NEW PERVIOUS AREAS PREVIOUSLY IMPERVIOUS.
3. SOIL RESTORATION STEPS ARE AS FOLLOWS:
   - 3.1. APPLY 3 INCHES OF COMPOST OVER SUBSOIL
   - 3.2. TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS
   - 3.3. ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE
   - 3.4. APPLY TOPSOIL TO A DEPTH OF 6 INCHES, COMPACT TO A UNIFORM THICKNESS OF 4" AND FINELY GRADE AND LOOSEN WITH MECHANICAL RAKES TO ENSURE SEED ACCEPTANCE
   - 3.5. SEED AND FERTILIZE AS REQUIRED BY NOTE #4 BELOW
4. SEEDING, MULCHING AND FERTILIZING SHALL BE AS FOLLOWS:
   - 4.1. FERTILIZER SHALL BE APPLIED AT 6 LBS OF 5-10-10 COMMERCIAL FERTILIZER/1,000 SQ. FT.
   - 4.2. PERMANENT SEEDING SHALL BE IN ACCORDANCE WITH SPECIFICATION NO 329219.
   - 4.3. MULCH AREA WITH HAY OR STRAW AT 2 TONS/ACRE (APPROX. 90 LBS./1000 SQ. FT. OR 2 BALES). TO MAINTAIN SOIL MOISTURE LEVEL.

TEMPORARY SEEDING NOTES:

1. ROUGH GRADE AREA PRIOR TO SEEDING. REMOVE LARGE DEBRIS AND ROCKS.
2. TEMPORARY SEEDING SHALL BE AS FOLLOWS:
   - 2.1. SPRING TO EARLY FALL: SEED AREA WITH RYEGRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE (OR USE 1 LB./1000 SQ. FT.).
   - 2.2 LATE FALL TO EARLY WINTER: SEED AREA WITH CERTIFIED 'AROOSTOOK' WINTER RYE (CEREAL RYE) AT 100 LBS. PER ACRE (2.5 LBS./1000 SQ. FT.).
3. MULCH AREA WITH HAY OR STRAW AT 2 TONS/ACRE (APPROX. 90 LBS./1000 SQ. FT. OR 2 BALES).
4. FOR FURTHER DETAIL, REFER TO PAGE 4.58 OF THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

SITE PLAN NOTES:

1. INSPECT THE SITE PRIOR TO SUBMISSION OF BIDS AND MAKE NO ADDITIONAL CLAIMS REGARDING SITE CONDITIONS THEREAFTER.
2. NOTIFY THE OWNER AND H2M (TELEPHONE 518-765-5105) AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF THE WORK. THE SAME NOTICE SHALL BE REQUIRED WHEN RESUMING WORK AFTER ANY STOPPAGE OR DELAY.
3. COMPLETE ALL SURVEY AND STAKEOUT AS REQUIRED TO PROPERLY COMPLETE THE WORK.
4. PERFORM DAILY CLEANUP OPERATIONS INCLUDING REMOVAL OF DEBRIS AND EXCESS CONSTRUCTION MATERIAL, AND DRIVEWAY/STREET CLEANING TO THE SATISFACTION OF THE OWNER.
5. DURING ALL NON-WORKING HOURS, STORE ALL EQUIPMENT AND MATERIALS WITHIN AN AREA DESIGNATED BY THE OWNER AT THE PROJECT SITE.
6. ALL CURB DIMENSIONS SHOWN REFER TO THE FACE OF CURB.
7. ALL CONSTRUCTION TO CONFORM WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
8. COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER TO MINIMIZE INTERRUPTION TO THE OWNER'S OPERATIONS.
9. RESTORE SURROUNDING AREAS DAMAGED OR DISTURBED DURING CONSTRUCTION. RESTORE TO NEW CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
10. RESTORE ALL DISTURBED GRASS AREAS AND ALL AREAS NOT SPECIFICALLY IDENTIFIED FOR OTHER IMPROVEMENTS WITH 4 INCHES OF TOPSOIL AND SEED.
11. REMOVE ALL ASPHALT FROM EXISTING CASTINGS.
12. SEAL ALL JOINTS BETWEEN NEW ASPHALT AND EXISTING ASPHALT WITH HOT ASPHALT CEMENT.

EROSION CONTROL NOTES:

1. DURING THE COURSE OF CONSTRUCTION, EROSION AND SEDIMENT CONTROL MEASURES ARE NECESSARY TO PREVENT THE TRANSPORT OF SEDIMENT TO UNDISTURBED AREAS, PONDS, WATER COURSES, DRAINAGE SYSTEMS, RECHARGE BASINS, AND ROADS. THE MINIMUM EROSION CONTROL MEASURES REQUIRED ARE INDICATED ON THIS PLAN. IN ADDITION, THE FOLLOWING GENERAL CONDITIONS SHALL BE OBSERVED:
   - a. EXISTING VEGETATION SCHEDULED TO REMAIN SHALL BE PROTECTED AND REMAIN UNDISTURBED.
   - b. INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AS REQUIRED TO PREVENT THE INCIDENTAL DISCHARGE OF SEDIMENT FROM THE SITE.
2. SPECIFIC METHODS AND MATERIALS EMPLOYED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES MUST CONFORM TO THE LATEST EDITION OF THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL".
3. INSTALL PROPRIETARY EROSION AND SEDIMENT CONTROL PRODUCTS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
4. ADJUST EROSION AND SEDIMENT CONTROL MEASURES TO ACCOMMODATE CONSTRUCTION PHASING TO MAINTAIN EFFECTIVENESS OF EROSION AND SEDIMENT CONTROL MEASURES.
5. PROTECT EXISTING DRAINAGE INLETS WITHIN THE PROJECT LIMITS AND NEW DRAINAGE INLETS INSTALLED AS PART OF THIS PROJECT FROM SEDIMENT INTRUSION.
6. PERFORM INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES ON A WEEKLY BASIS AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, CLEANING AND REPAIR OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
7. UTILIZE APPROPRIATE MEANS TO CONTROL DUST DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO APPLYING WATER TO BARE SOIL SURFACES.
8. MAINTAIN THE STABILIZED CONSTRUCTION ENTRANCE TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. MAINTAIN THE CONSTRUCTION ENTRANCE WEEKLY UNTIL THE SITE IS PERMANENTLY STABILIZED.
9. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED. AFTER PERMANENT STABILIZATION, REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND ALL ACCUMULATED SEDIMENT AND DEBRIS FROM THE SITE AND DRAINAGE STRUCTURES.

TOTAL LAND DISTURBANCE = 6,075 SF (0.14 ACRES)

STORMWATER POLLUTION PREVENTION PLAN (SWPPP) NOTES:

1. PURSUANT TO THE REQUIREMENTS OF SPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITY GP-0-20-001 ESTABLISHED BY THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED FOR THIS PROJECT. ADHERE TO AND IMPLEMENT ALL REQUIREMENTS OF THE SWPPP AND EROSION AND SEDIMENT CONTROL PLAN.
2. REVIEW THE SWPPP AND SIGN IN THE LOCATION SHOWN STATING THAT ALL WORK PERTAINING TO EROSION AND SEDIMENT CONTROL WILL BE PERFORMED WITHIN REQUIREMENTS OF THE SWPPP AND EROSION AND SEDIMENT CONTROL PLAN.
3. THE CONTRACTOR SHALL PROVIDE A QUALIFIED INSPECTOR WHO WILL PERFORM WEEKLY INSPECTIONS AT THE CONSTRUCTION SITE. THE QUALIFIED INSPECTOR SHALL MEET THE REQUIREMENTS OUTLINED IN SPDES GENERAL PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITY (GP-0-20-001). IF THE INSPECTIONS FIND ANY DEVIATIONS FROM THE SWPPP OR THE EROSION AND SEDIMENT CONTROL PLAN IT WILL BE NOTED. THE CONTRACTOR WILL HAVE 7 DAYS TO CORRECT ANY DEVIATIONS SO THAT IT COMPLIES WITH THE REQUIREMENTS OF THE SWPPP AND OR EROSION AND SEDIMENT CONTROL PLAN. IN THE EVENT THAT MORE THAN 5 ACRES OF SOIL IS DISTURBED AT ANY TIME, 2 WEEKLY INSPECTIONS WILL BE PERFORMED.

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99 MAIN STREET
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DIMENSIONAL SITE PLAN

DRAWING No.

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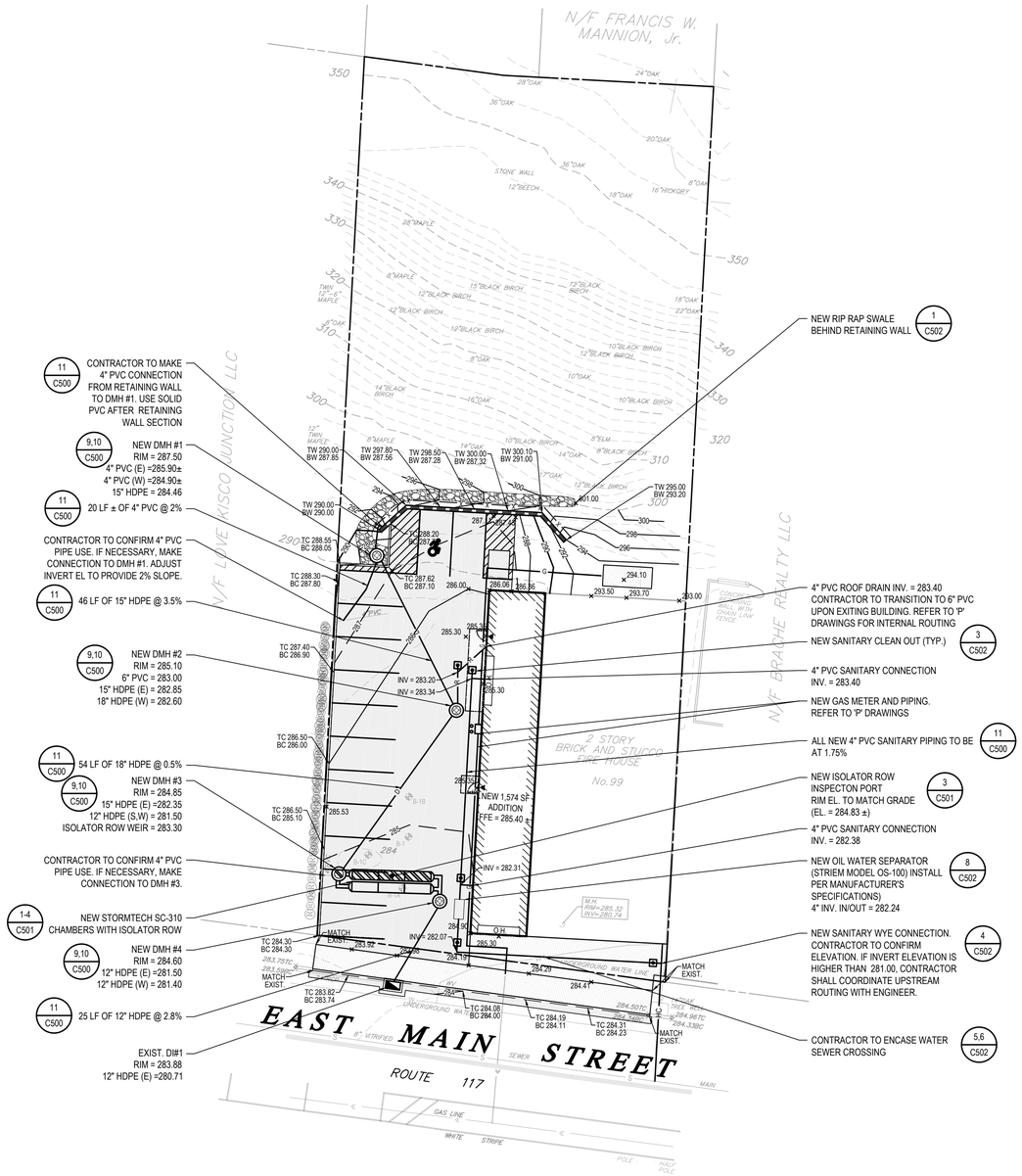


LEGEND

DESCRIPTION	SYMBOL
SPOT ELEVATION	+121.50
TOP AND BOTTOM CURB ELEVATION	TC140.00 BC139.50
MAJOR CONTOUR	240
MINOR CONTOUR	241
BORING / TEST HOLE LOCATION	
RETAINING WALL	
CATCH BASIN	
DRAINAGE MANHOLE	
UTILITY METER/VALUE	
CLEAN OUT	
GAS LINE	G — G
DRAINAGE LINE	D — D
ELECTRIC LINE	E — E
ROOF LEADER LINE	R — R
WATER LINE	W — W
WATER SERVICE LINE	WS — WS
SANITARY HOUSE CONNECTION	HC — HC
OVERHEAD UTILITIES LINE	O/H — O/H

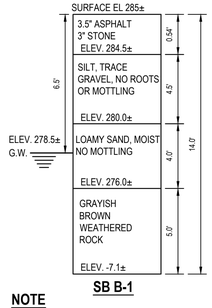
GRADING AND DRAINAGE NOTES:

1. FOR NEW CONSTRUCTION THAT MEETS EXISTING CONDITIONS, ABUTTING SURFACES SHALL BE FLUSH AND ALIGNED.
2. THE CONTRACTOR SHALL CONFIRM INVERT ELEVATIONS OF ALL ROOF DRAINS AND SANITARY HOUSE CONNECTIONS PRIOR TO COMMENCING SITE DRAINAGE AND SANITARY CONSTRUCTION.
3. ADJUST ALL EXISTING CASTINGS AND VALVE COVERS TO MEET PROPOSED GRADE.
4. CONSTRUCTION DEBRIS AND EXCESS SOIL SHALL BE REMOVED AND LEGALLY DISPOSED OFF SITE.
5. UNSUITABLE SOILS ENCOUNTERED DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER IMMEDIATELY IN WRITING BEFORE REMOVAL OR DISTURBANCE.

PIPE MATERIAL SPECIFICATIONS:

- STORMWATER DRAINAGE CONNECTIONS: 12"-18"Ø SMOOTH INTERIOR HDPE
- ROOF LEADER TO STORMWATER DRAINAGE CONNECTION: 6"Ø PVC (SCH. 80)
- GRAVITY SANITARY SYSTEM: 4"Ø PVC (SCH.80)
- RETAINING WALL TO STORMWATER DRAINAGE CONNECTION: 4"Ø PVC (SCH. 80)

REFER TO 'P' DRAWINGS FOR PIPING FOR NEW GAS CONNECTION AND 'E' DRAWINGS FOR NEW UNDERGROUND ELECTRICAL SERVICE PIPING.



SB B-1

NOTE

TEST HOLES EXCAVATED SEPTEMBER 27, 2018 BY WHITESTONE ASSOCIATE'S INC. WITNESSED BY H2M ARCHITECTS + ENGINEERS. SEE GEOTECHNICAL REPORT IN SPECIFICATIONS FOR ADDITIONAL INFORMATION

GRAPHIC SCALE

20 0 10 20

(IN FEET)
1 inch = 20 ft.

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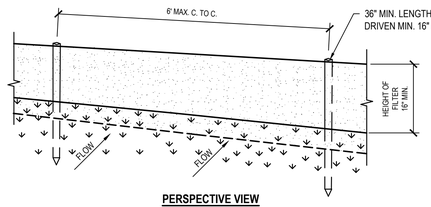
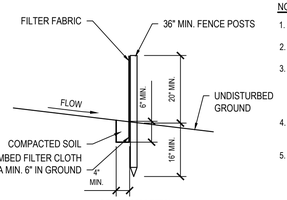
GRADING AND DRAINAGE PLAN

DRAWING No.

C 100.00



PERSPECTIVE VIEW



SECTION VIEW

NOTES

1. POSTS SHALL BE 2" X 2" HARDWOOD OR APPROVED EQUIVALENT.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO POSTS AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED AND SECURE AT POST. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND ACCUMULATED SEDIMENT REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
5. REMOVE SILT FENCE UPON PERMANENT STABILIZATION OF UPLAND AREAS.

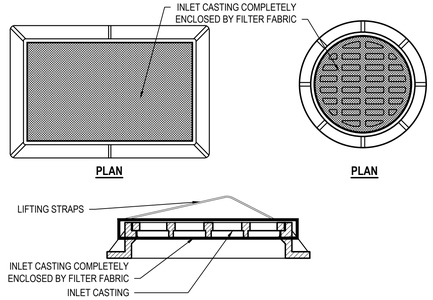
1 Silt Fence - Standard

SCALE: NTS 312513.13 NYDC1-U

FILTER FABRIC PROPERTIES			
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	lbs	365 x 200
Grab Tensile Elongation	ASTM D 4632	%	24 x 10
Puncture Strength	ASTM D 4833	lbs	90
Mullen Burst Strength	ASTM D 3786	psi	450
Trapezoid Tear Strength	ASTM D 4533	lbs	115 x 75
UV Resistence	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	US Std Sieve)	40
Flow Rate	ASTM D 4491	gal/min/ft²	145
Permittivity	ASTM D 4491	Sec⁻¹	2.1

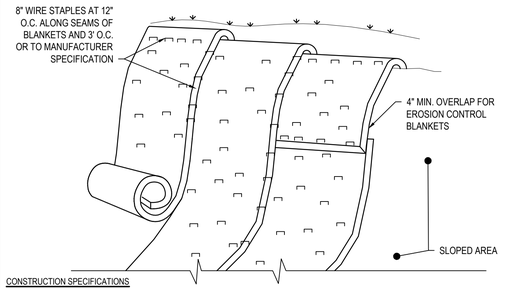
NOTES

1. REMOVE ACCUMULATED SEDIMENT AND DEBRIS AS REQUIRED TO MAINTAIN ADEQUATE FLOW THROUGH FILTER FABRIC.
2. REMOVE INLET PROTECTION UPON PERMANENT STABILIZATION OF CONSTRUCTION SITE.



2 Circular Inlet Sediment Bag Protection

SCALE: NTS 312553.13 H2MX2



CONSTRUCTION SPECIFICATIONS

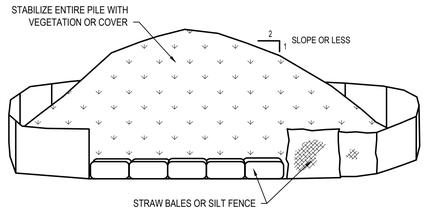
1. APPLY SLOPE STABILIZATION TO ALL DISTURBED AREAS WITH SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL. SEE C 100.00.
2. PREPARE SOIL BEFORE INSTALLING MATTING BY SMOOTHING THE SURFACE, REMOVING DEBRIS AND LARGE STONE, AND APPLYING LIME, FERTILIZER AND SEED. REFER TO MANUFACTURERS INSTALLATION DETAILS.
3. ROLL THE MATS DOWN A SLOPE WITH A MINIMUM 4" OVERLAP. ROLL CENTER MAT IN A CHANNEL IN DIRECTION OF WATER FLOW ON BOTTOM OF THE CHANNEL. DO NOT STRETCH BLANKETS. BLANKETS SHALL HAVE GOOD CONTINUOUS CONTACT WITH THE UNDERLYING SOIL THROUGHOUT ITS ENTIRE LENGTH.
4. FULL LENGTH EDGE OF MATS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP X 6" WIDE TRENCH; BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
5. BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 80% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN 2 CALENDAR DAYS.

3 Slope Stabilization Matting

SCALE: NTS

NOTES:

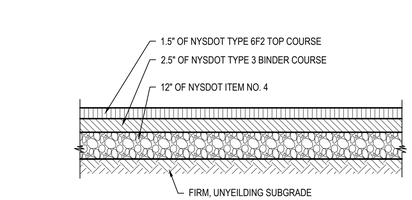
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.



TO BE USED WHERE TOPSOIL IS NECESSARY FOR REGRADING AND VEGETATING DISTURBED AREAS. TEMPORARY STOCKPILE STABILIZATION MEASURES INCLUDE VEGETATIVE COVER, MULCH, NONVEGETATIVE COVER, AND PERIPHERAL SEDIMENT TRAPPING BARRIERS. THE STABILIZATION MEASURE(S) SELECTED SHOULD BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND REQUIRED PERIOD OF USE.

4 Temporary Soil Stockpile

SCALE: NTS (312513.23 NYDC1) - U

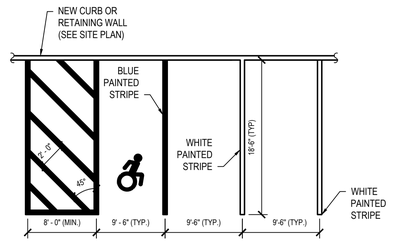


NOTES:

1. WOOD FLOAT AND BRUSH FINISH ON ALL SURFACES ABOVE GRADE.
2. AT ALL CURB ENDINGS, PROVIDE SMOOTH TRANSITION DOWN TO PAVED SURFACE.
3. PROVIDE 1/2" PREFORMED EXPANSION MATERIAL AT 20' ON CENTER AND AT ALL CORNERS. SET EXPANSION MATERIAL 1/2" BELOW EXPOSED SURFACES AND SEAL JOINT.
4. CONCRETE TO ACHIEVE 4,000 PSI STRENGTH AT 28 DAYS.

5 Concrete Curb

SCALE: NTS

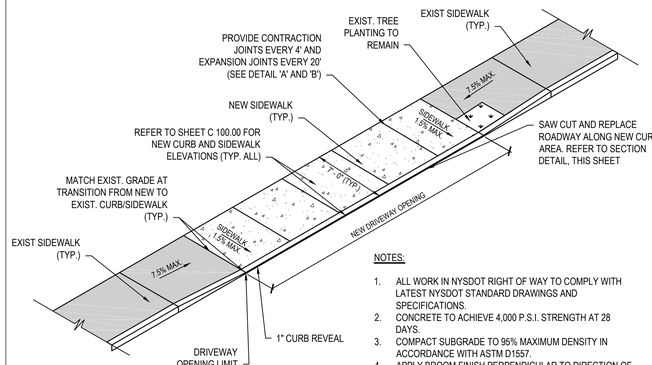


NOTES:

1. ALL STRIPING TO BE 4" WIDE.
2. SEE DIMENSIONAL SITE PLAN FOR LOCATIONS OF PARKING STALL SIGNAGE.

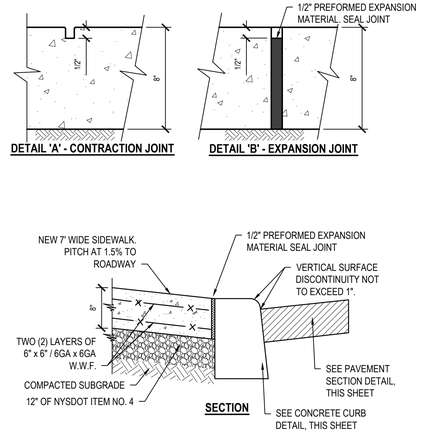
6 Parking Stall Layout - Single Striping

SCALE: NTS (321799.00 H2MX1) - U



NOTES:

1. ALL WORK IN NYSDOT RIGHT OF WAY TO COMPLY WITH LATEST NYSDOT STANDARD DRAWINGS AND SPECIFICATIONS.
2. CONCRETE TO ACHIEVE 4,000 P.S.I. STRENGTH AT 28 DAYS.
3. COMPACT SUBGRADE TO 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
4. APPLY BROOM FINISH PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL.
5. PROVIDE SMOOTH TRANSITION BETWEEN EXISTING AND PROPOSED PAVEMENT AREAS.
6. REFER TO STRUCTURAL DRAWINGS FOR TIE-IN OF CONCRETE APRON TO SIDEWALK.



7 Concrete Sidewalk and Driveway Apron

SCALE: NTS

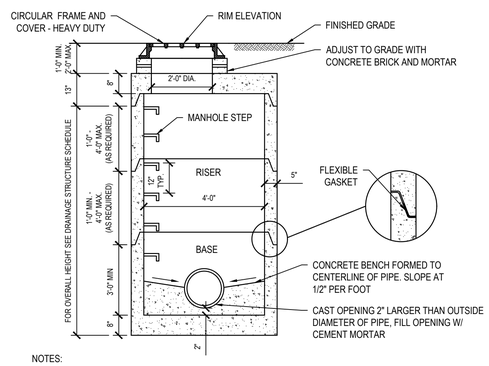
PAVEMENT SECTION

NOTES:

1. COMPACT SUBGRADE TO 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
2. PROVIDE SMOOTH TRANSITION BETWEEN EXISTING AND PROPOSED ASPHALT PAVEMENT AREAS.
3. SEAL ALL JOINTS BETWEEN NEW ASPHALT AND EXISTING ASPHALT WITH JOINT ADHESIVE IN ACCORDANCE WITH NYSDOT SPECIFICATION No. 705-19.

8 Asphalt Pavement Section

SCALE: NTS

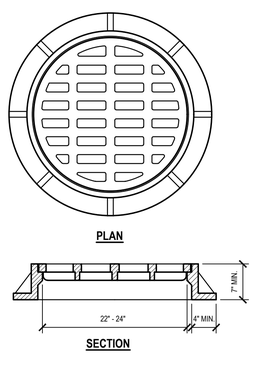


NOTES:

1. MANHOLE IS TO BE REINFORCED PRECAST CONCRETE AND CAPABLE OF SUPPORTING THE AASHTO HS-20 HIGHWAY LOADING.
2. MANHOLE CONSTRUCTION TO CONFORM TO ASTM C913
3. PROVIDE ADDITIONAL RISERS AS REQUIRED.
4. FLEXIBLE GASKET TO CONFORM TO THE REQUIREMENTS OF ASTM C990.

9 Drainage Manhole - 4 Foot Diameter

SCALE: NTS (33913.13 H2MX1)

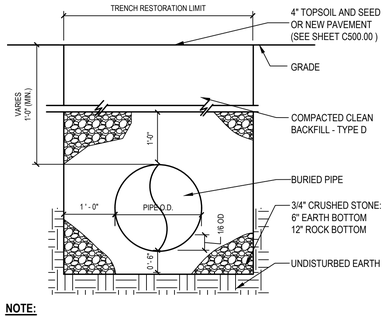


NOTE:

1. CASTINGS MUST BE CAST IRON CAPABLE OF SUPPORTING THE AASHTO HS-20 HIGHWAY LOADING. CAMPBELL FOUNDRY OR APPROVED EQUAL.
2. ALL DRAINAGE CASTINGS TO HAVE REQUIRED NOTATION "DUMP NO WASTE DRAINS TO WATERWAYS".

10 Circular Frame & Cover or Grate - Heavy Duty

SCALE: NTS (33913.23 H2WMX5-MOD)



NOTE:

1. ALL TRENCH WIDTHS TO BE MINIMIZED IN ORDER TO AVOID EXCESSIVE DISTURBANCE OF ADJACENT AREAS. TRENCH WALLS SHALL BE VERTICAL WHERE NECESSARY, SHEET PILING OR A SHEETING BOX SHALL BE USED TO MAINTAIN THE SPECIFIED TRENCH.
2. IF DEPTH OF TRENCH EXCEEDS 5', THE CONTRACTOR SHALL PROVIDE SHEETING AND BRACING OR A SHEETING BOX IN ACCORDANCE WITH OSHA REGULATIONS.

11 Typical Pipe Trench Detail

SCALE: NTS

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP		LLC

PROJECT No.:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

NOT FOR CONSTRUCTION

SHEET TITLE

SITE DETAILS

DRAWING No.

C 500.00

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

MAINTENANCE/INSPECTION LOG

DATE	STADIA ROD READINGS		SEDIMENT DEPTH (1) - (2)	OBSERVATIONS/ACTIONS	INSPECTOR
	FIXED POINT TO CHAMBER BOTTOM (1)	FIXED POINT TO TOP OF SEDIMENT (2)			

NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-310 SYSTEM

1. STORMTECH SC-310 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

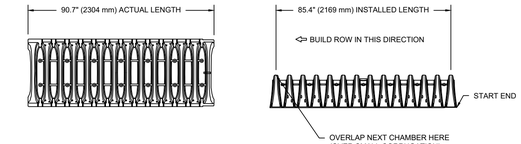
1. STORMTECH SC-310 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-310 & SC-740 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

SC-310 STORMTECH CHAMBER SPECIFICATIONS

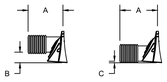
1. CHAMBERS SHALL BE STORMTECH SC-310.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418-16a (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2922 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	34.0" X 16.0" X 85.4"	(864 mm X 406 mm X 2169 mm)
CHAMBER STORAGE	14.7 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	31.0 CUBIC FEET	(0.88 m³)
WEIGHT	35.0 lbs.	(16.8 kg)

*ASSUMES 6" (152 mm) ABOVE, BELOW, AND BETWEEN CHAMBERS



PRE-FAB STUB AT BOTTOM OF END CAP WITH FLAMP END WITH "BR"
PRE-FAB STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PRE-FAB STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
PRE CORED END CAPS END WITH "PC"

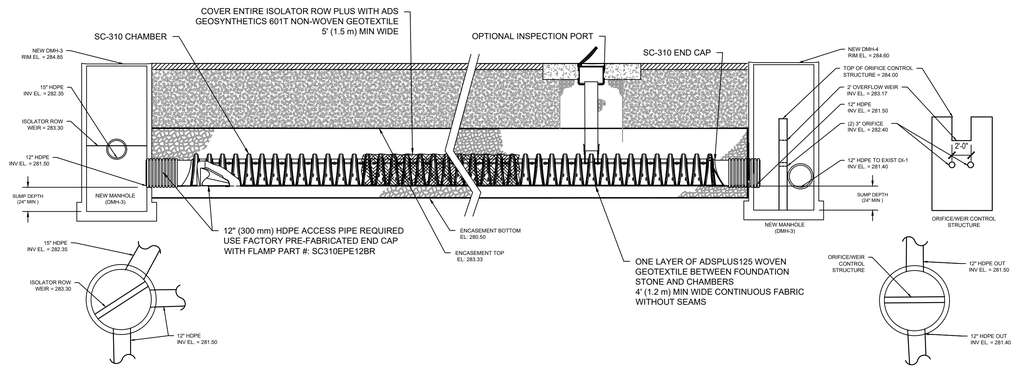
PART #	STUB	A	B	C
SC310EPE06T / SC310EPE06TPC	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	---
SC310EPE06B / SC310EPE06BPC			---	0.5" (13 mm)
SC310EPE08T / SC310EPE08TPC	8" (200 mm)	11.9" (302 mm)	3.5" (89 mm)	---
SC310EPE08B / SC310EPE08BPC			---	0.6" (15 mm)
SC310EPE10T / SC310EPE10TPC	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	---
SC310EPE10B / SC310EPE10BPC			---	0.7" (18 mm)
SC310EPE12B	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)
SC310EPE12BR	12" (300 mm)	13.5" (343 mm)	---	0.9" (23 mm)

ALL STUBS, EXCEPT FOR THE SC310EPE12B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

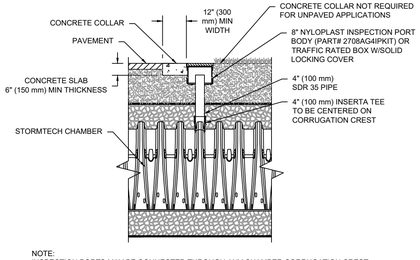
* FOR THE SC310EPE12B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL

1 SC-310 TECHNICAL SPECIFICATIONS



2 SC-310 ISOLATOR ROW PLUS DETAIL



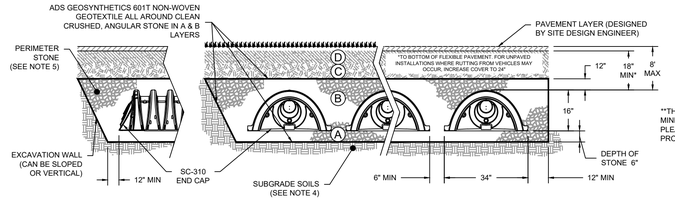
NOTE:
INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

3 4" PVC INSPECTION PORT DETAIL (SC SERIES CHAMBER)

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



**THIS CROSS SECTION DETAIL REPRESENTS MINIMUM REQUIREMENTS FOR INSTALLATION. PLEASE SEE THE LAYOUT SHEET(S) FOR PROJECT SPECIFIC REQUIREMENTS.

NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418-16a (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2922 SHALL BE GREATER THAN OR EQUAL TO 400 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

4 SC-310 CROSS SECTION DETAIL

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP		LLC

PROJECT No.:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

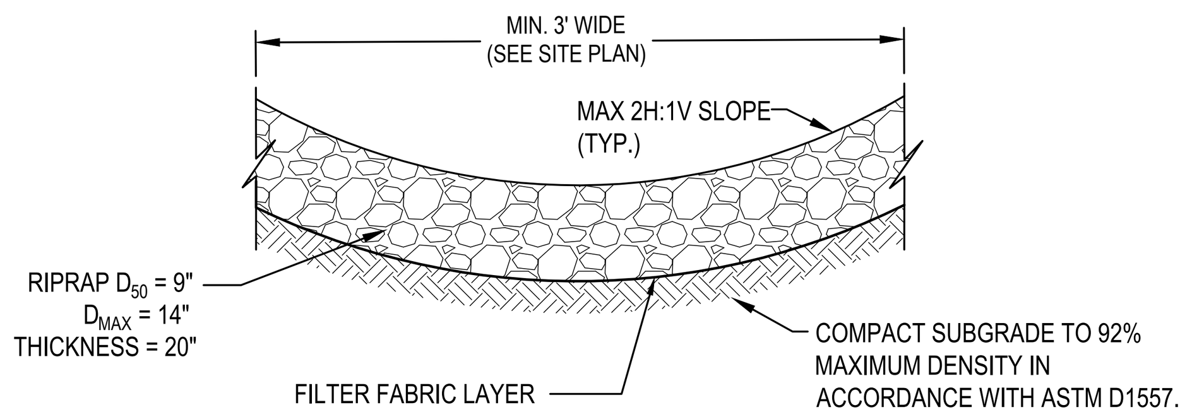
99 MAIN STREET
MOUNT KISCO, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
NOT FOR CONSTRUCTION

SHEET TITLE
SITE DETAILS

DRAWING No.
C 501.00

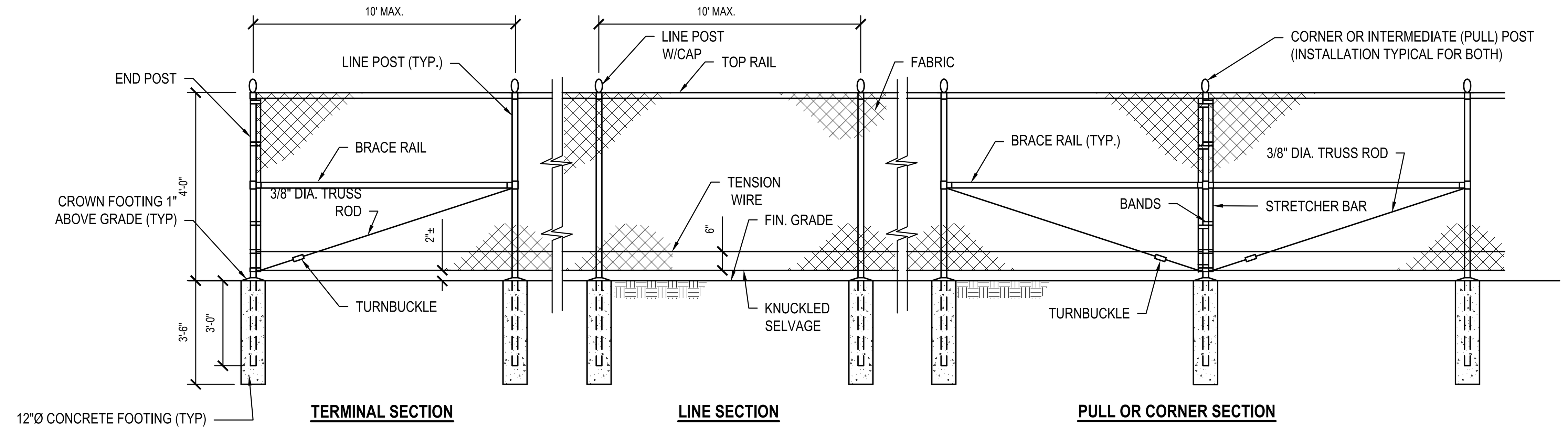


NOTE:

1. UNSUITABLE SUBGRADE SHALL BE REMOVED AND REPLACED WITH DENSE GRADED AGGREGATE AS DIRECTED BY THE ENGINEER. THE FOUNDATION AREA SHALL BE CLEARED OF TREES, STUMPS, ROOTS, SOD, LOOSE ROCK, OR OTHER OBJECTIONABLE MATERIAL.
2. THE CROSS-SECTION SHALL BE EXCAVATED AS SHOWN ON THE PLANS. OVER-EXCAVATED AREAS SHALL BE BACKFILLED WITH MOIST SOIL COMPACTED TO 92% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557.
3. NO ABRUPT DEVIATIONS FROM DESIGN GRADE OR HORIZONTAL ALIGNMENT SHALL BE PERMITTED.
4. FILTER BEDDING AND ROCK RIPRAP SHALL BE PLACED TO LINE AND GRADE IN THE MANNER SPECIFIED. FILTER CLOTH CAN BE WOVEN OR NON-WOVEN MONOFILAMENT YARNS, AND SHALL MEET THESE BASE REQUIREMENTS: THICKNESS 20-60 MILS, GRAB STRENGTH 90-120 LBS; AND SHALL CONFORM TO ASTM D-1777 AND ASTM D-1682.
5. CONSTRUCTION OPERATION SHALL BE DONE IN SUCH A MANNER THAT EROSION, AIR POLLUTION, AND WATER POLLUTION WILL BE MINIMIZED AND HELD WITHIN LEGAL LIMITS. THE COMPLETED JOB SHALL MEET ALL DESIGN REQUIREMENTS FOR THE APPROPRIATE FINISH. ALL DISTURBED AREAS SHALL BE VEGETATED OR OTHERWISE PROTECTED AGAINST SOIL EROSION.

1 Stone Swale Section

SCALE: NTS 312513.13 NYDC1-U

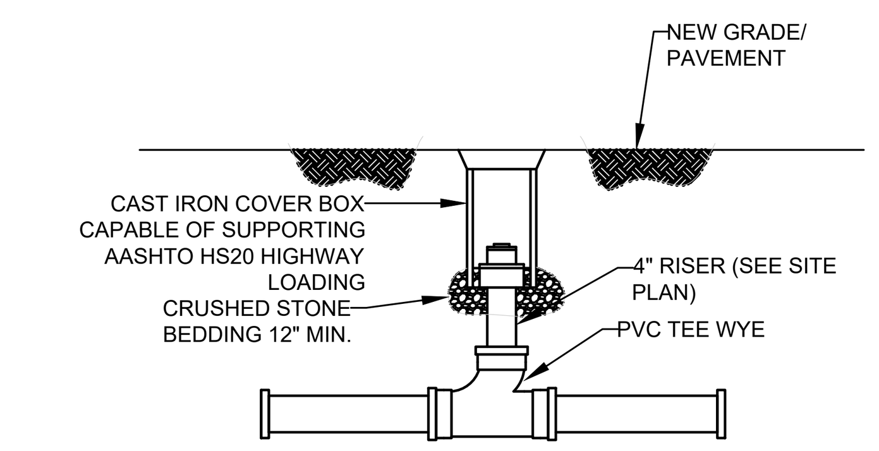


NOTES:

1. FABRIC: ASTM A392, 2" MESH, 6 GAUGE STEEL CHAIN LINK FENCE FABRIC. HOT DIPPED GALVANIZED AFTER WEAVING TO 1.2 OZ/SF.
2. TOP AND BRACE RAILS: ASTM F1043 1.66" O.D. (1.84 LBS./FT.) SS40 STEEL PIPE. HOT DIPPED GALVANIZED TO 1.8 OZ/SF IN ACCORDANCE WITH ASTM A123.
3. LINE POSTS: ASTM F1043 1.9" O.D. (2.28 LBS./FT.) SS40 STEEL PIPE. HOT DIPPED GALVANIZED TO 1.8 OZ/SF IN ACCORDANCE WITH ASTM A123.
4. END, CORNER & PULL POSTS: ASTM F1043 2.375" O.D. (3.12 LBS./FT.) SS40 STEEL PIPE. HOT DIPPED GALVANIZED TO 1.8 OZ/SF IN ACCORDANCE WITH ASTM A123.
5. FITTINGS AND ACCESSORIES: ASTM F626 MALLEABLE OR PRESSED STEEL. HOT DIPPED GALVANIZED TO 1.2 OZ/SF.
6. BOTTOM TENSION WIRE: ASTM A824 NO. 7 GAUGE STEEL-MARCELLED WIRE, HOT DIPPED GALVANIZED TO 1.2 OZ/SF.
7. STRETCHER BAR: 3/16" x 3/4" PRESSED STEEL, HOT DIPPED GALVANIZED TO 1.2 OZ/SF.
8. CONCRETE TO ACHIEVE 4000 PSI STRENGTH AT 28 DAYS.

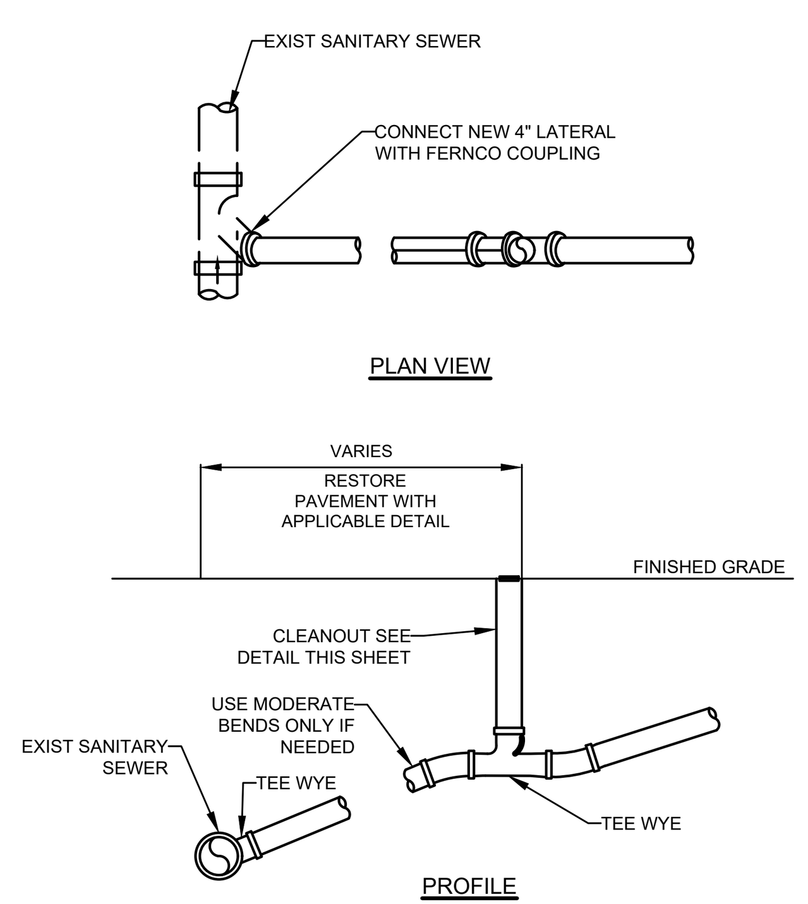
2 Chain Link Fence - Galvanized - 4' Height

SCALE: NTS (323113.13 H2MX1) - U



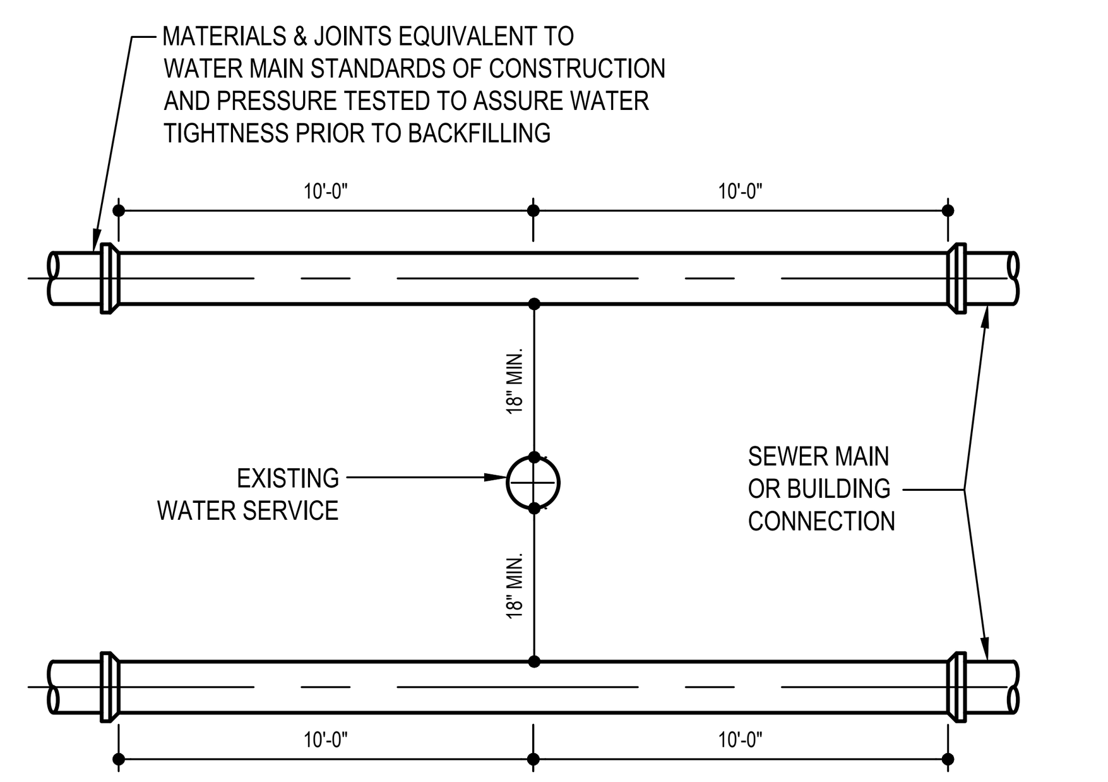
3 Typical Cleanout Detail

SCALE: NTS



4 Sanitary House Connection

SCALE: NTS

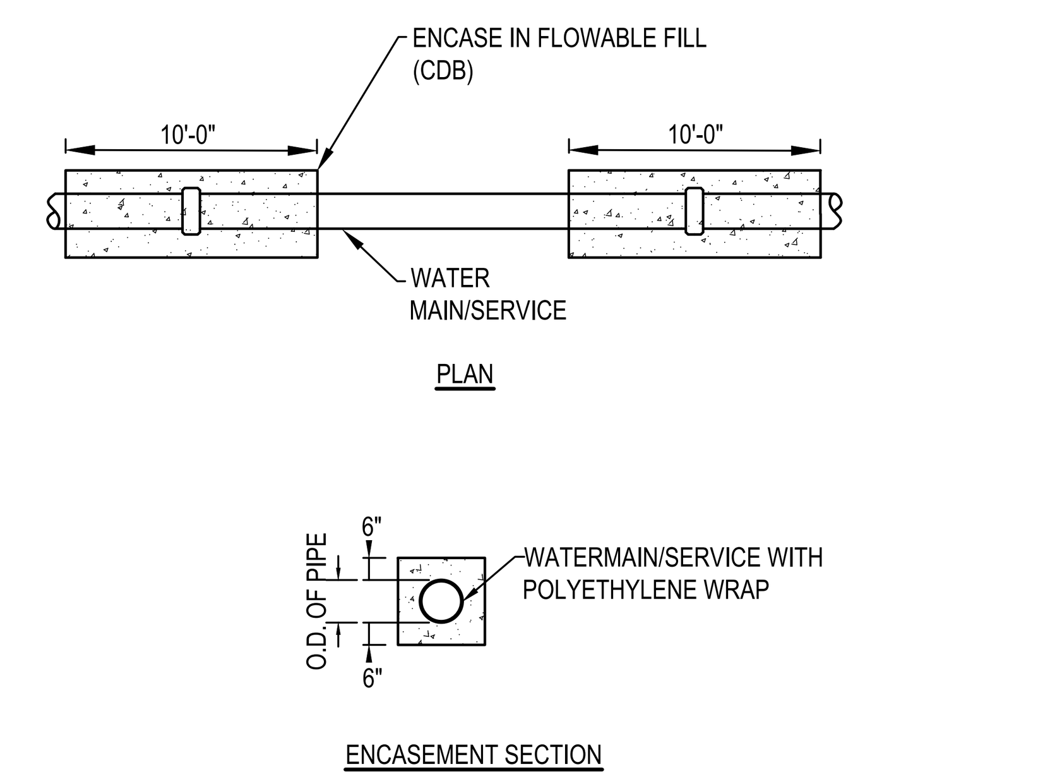


NOTE:

1. HORIZONTAL SEPARATION BETWEEN SEWER AND WATER LINES SHALL BE 10 FEET MINIMUM
2. VERTICAL AND HORIZONTAL SEPARATION DISTANCES SHALL BE MAINTAINED WHERE POSSIBLE. IF SEPARATION DISTANCES CAN NOT BE ACHIEVED REFER TO DETAIL 6 THIS SHEET.

5 Water/Sewer Crossing Detail

NTS



NOTE:

1. PROVIDE CONCRETE ENCASEMENT WHEN MINIMUM SEPARATION REQUIREMENTS CAN NOT BE MET OR AS DIRECTED BY OWNER OR ENGINEER.
2. HORIZONTAL SEPARATION BETWEEN WATER AND STORM OR SANITARY SHALL BE 10-FEET MINIMUM.
3. VERTICAL SEPARATION BETWEEN WATER AND STORM OR SANITARY SHALL BE 18-INCHES MINIMUM.

6 Concrete Encasement

SCALE: NTS

7 Detail Not Used

SCALE: NTS

SPECIFICATIONS

1. 4" Plain End inlet/outlet, 3" Plain End vents.
2. Max flow rate: 100 GPM
3. Capacities: Liquid: 250 gal. (33.4 cu. ft.); Oil: 144 gal.; Sand: 95 gal.
4. Unit weight with composite cover: 230 lbs.; with cast iron: 346 lbs.
5. Maximum operating temperature 140 °F continuous.
6. Highway rated covers: 16,000 lb. capacity.

STRIEM OS-100 NOTES

1. Snap-in Flow control (ships with unit).
2. Seamless medium density polyethylene tank.
3. Unit supplied with built-in adapter for up to 5" of adjustability. Additional riser(s) available for deeper burial depth.
4. Cover placement allows full access to tank for proper maintenance.
5. Narrow footprint allows clearance through doorways and down stairs.
6. Engineered inlet and outlet diffusers are removable to inspect/clean piping.
7. For on the-floor or buried applications.

THIRD PARTY STRUCTURAL ANALYSIS

The OS-100 has been structurally analyzed in accordance with the requirements of IBC 2012 and ASCE/SEI 7 for direct burial. The maximum burial depth and backfill material are specified in our installation instructions. The structural design has been reviewed and sealed by a professional engineer registered in the state of California. A sealed structural analysis report is available upon request.

REQUIRED DESIGN OPTIONS

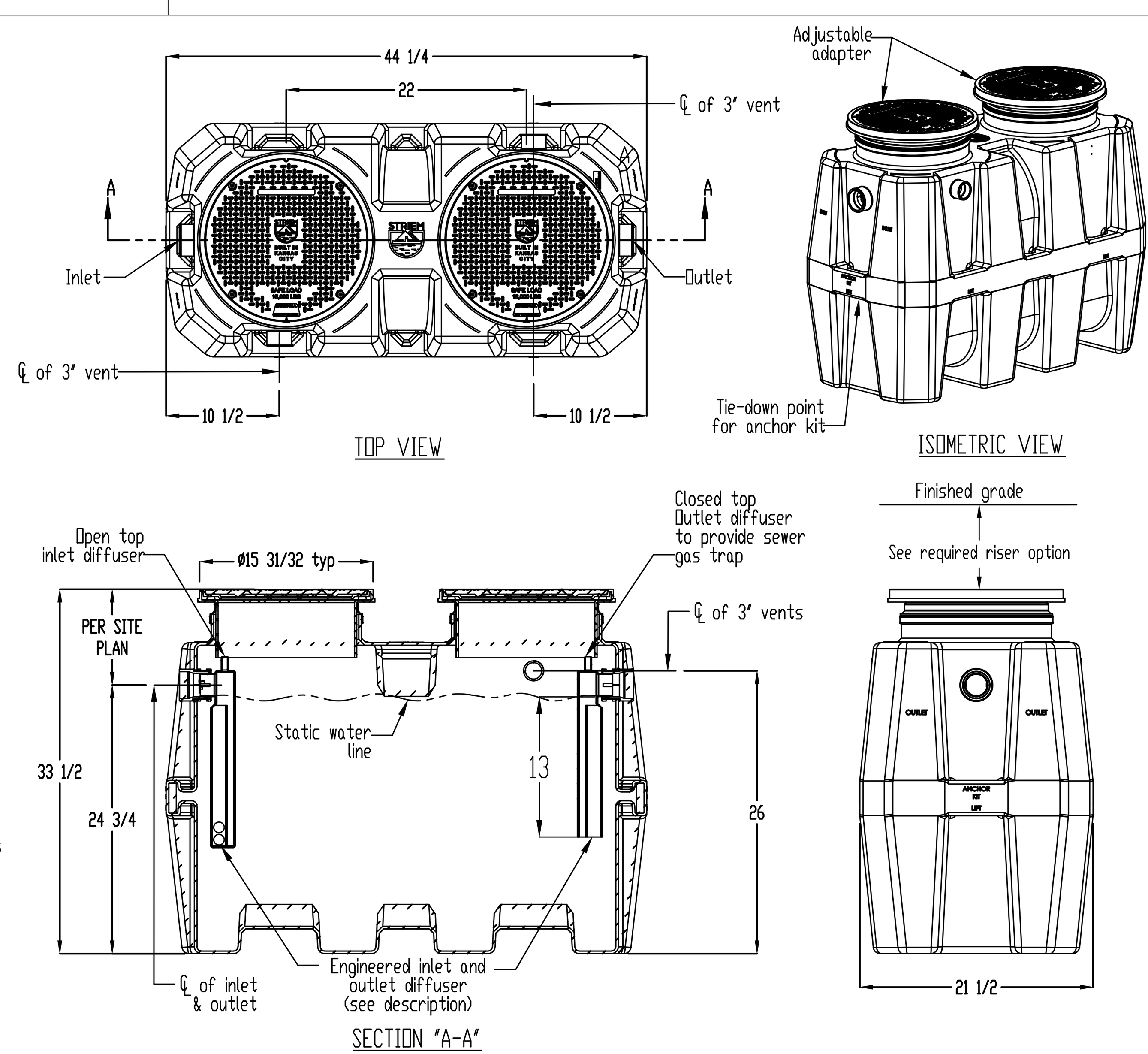
4M - 4" Male Thread Inlet / Outlet
C24-HP (2) - H20 Rated Pickable Cast Iron Cover
CC24 (2) - Integral Membrane Clamping Collar Kit
HDK-2 - High Water Anchor Kit

REQUIRED RISER OPTIONS

SR24 (2) - >5"-24"

ADDITIONAL NOTES

1. INSTALLATION TO BE IN ACCORDANCE WITH MANUFACTURER STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR TO INSTALL OIL WATER SEPARATOR WITH REQUIRED DESIGN AND RISER OPTIONS AS NOTED ON THIS SHEET.
3. INVERT ELEVATIONS AS NOTED ON SITE PLANS.



8 Oil & Water Separator

SCALE: NTS

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CONSULTANTS:

MARK	DATE	DESCRIPTION

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
SFP	SFP		LLC

PROJECT No.:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

NOT FOR CONSTRUCTION

SHEET TITLE

SITE DETAILS

DRAWING No.

C 502.00

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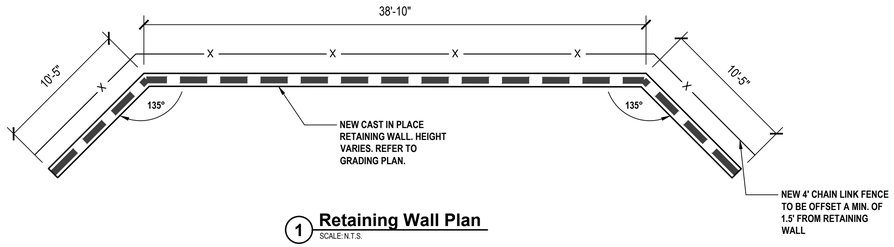
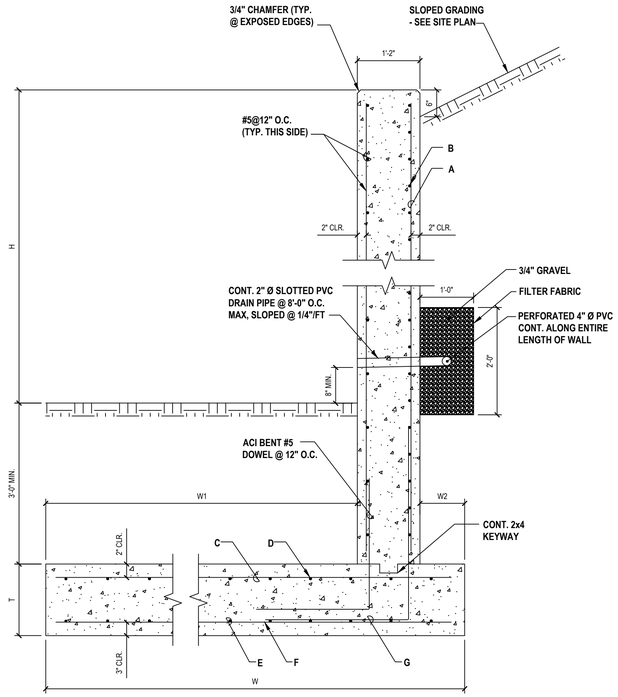


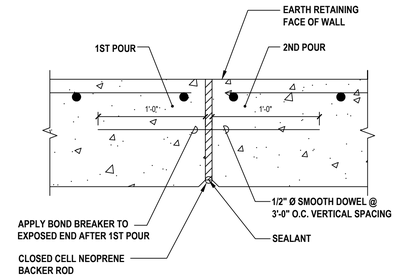
1 Retaining Wall Plan
SCALE: N.T.S.

RETAINING WALL SCHEDULE

OVERALL CONCRETE DIMENSION CALLOUTS					OVERALL CONCRETE REINFORCEMENT CALLOUTS						
RETAINED HEIGHT (H)	FOOTING THICKNESS (T)	FOOTING WIDTH (W)	FOOTING TOE (W1)	FOOTING HEEL (W2)	A	B	C	D	E	F	G
11'-0" < H ≤ 13'-0"	1'-2"	11'-0"	9'-0"	10"	#8 @ 6" O.C.	#8 @ 6" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	#8 @ 9" O.C.	#8 @ 9" O.C.	5'-0"x3'-0" #8 BENT BAR @ 6" O.C.
9 < H ≤ 11'-0"	1'-2"	9'-6"	7'-6"	10"	#7 @ 6" O.C.	#7 @ 6" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	#7 @ 9" O.C.	#7 @ 9" O.C.	4'-6"x3'-0" #7 BENT BAR @ 6" O.C.
7 < H ≤ 9'-0"	1'-2"	8'-0"	6'-0"	10"	#7 @ 12" O.C.	#7 @ 12" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	#7 @ 12" O.C.	#7 @ 12" O.C.	4'-6"x3'-0" #7 BENT BAR @ 12" O.C.
4 < H ≤ 7'-0"	1'-0"	6'-0"	4'-0"	10"	#6 @ 12" O.C.	#6 @ 12" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	3'-0"x3'-0" #6 BENT BAR @ 12" O.C.
H ≤ 4'-0"	1'-0"	4'-0"	2'-0"	10"	#5 @ 12" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	#5 @ 12" O.C.	2'-6"x2'-6" #5 BENT BAR @ 12" O.C.



2 Retaining Wall Section
SCALE: N.T.S.



NOTES:

1. SEE WALL SECTION FOR REINFORCEMENT SIZE & SPACING.
2. EXPANSION JOINTS SHALL BE LOCATED AT A MAXIMUM SPACING OF 20'-0" O.C. IN WALLS. FOOTINGS SHALL BE PLACED CONTINUOUS WITHOUT JOINTS.

3 Typical Retaining Wall Expansion Joint Detail
SCALE: 1 1/2"=1'-0"

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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
MDH	MDH	SDL	LLC
PROJECT No.:	DATE:	SCALE:	
MKIV 1802	12/13/2021	AS SHOWN	

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO, NY 10549

CONTRACT
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GENERAL CONSTRUCTION

STATUS
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SHEET TITLE
RETAINING WALL DETAILS

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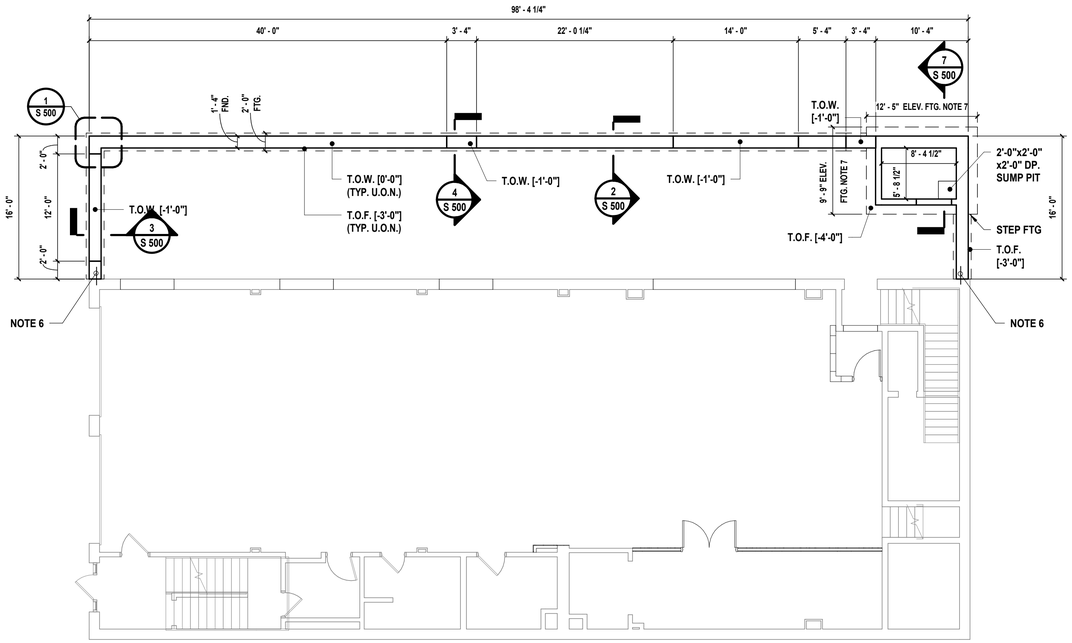
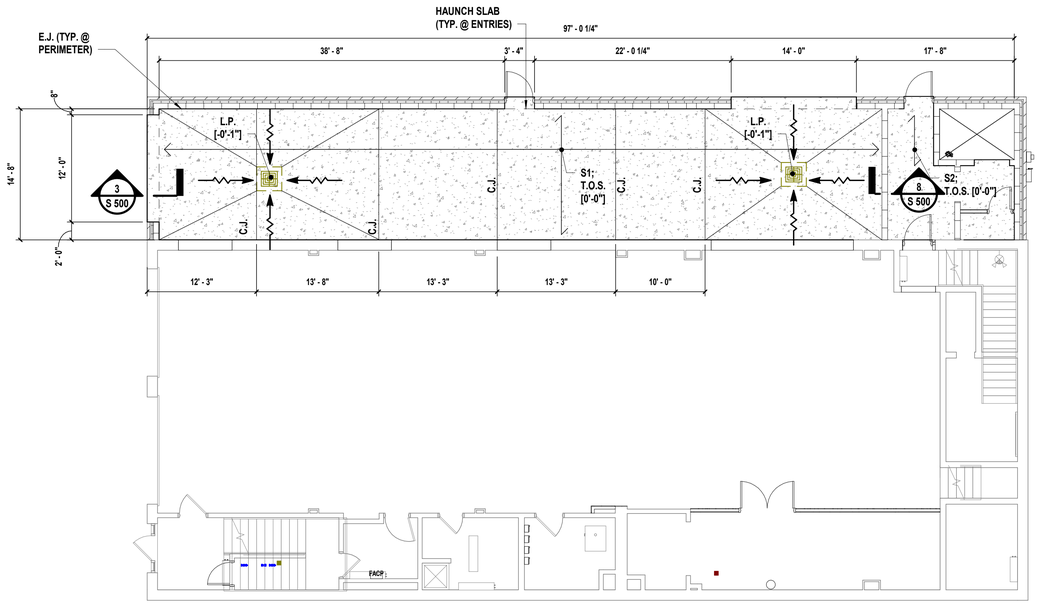


1 Foundation Plan

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



2 Slab Plan

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

DESIGN LOADS:

ALL DESIGN LOADS ARE IN ACCORDANCE WITH 2020 NYS BC & ASCE 7-16
STRUCTURAL OCCUPANCY (RISK) CATEGORY IV

1. BUILDING DESIGN LOADS:
   - FIRST FLOOR LIVE LOAD = 100 PSF
   - FIRST FLOOR LIVE LOAD - APPARATUS BAY = H-20 LOADING
   - FIRST FLOOR COLLATERAL DEAD LOAD = 10 PSF
   - SECOND FLOOR DEAD LOAD = 50 PSF
   - SECOND FLOOR LIVE LOAD (OFFICES) = 50 PSF
   - SECOND FLOOR LIVE LOAD (CORRIDORS) = 80 PSF
   - SECOND FLOOR LIVE LOAD (TRAINING ROOM & ELEVATOR) = 100 PSF
   - ROOF MIN. LIVE LOAD = 20 PSF
   - ROOF DEAD LOAD = 17 PSF

2. SNOW LOADS:

GROUND SNOW LOAD,	Pg = 30 PSF
(EXPOSURE)	Ce = 1.0
(THERMAL)	Ct = 1.0
(IMPORTANCE)	Is = 1.20
FLAT ROOF SNOW LOAD	PF = 0.7*Ce*Ct*Is*Pg = 25.20 PSF

3. WIND LOADS:

BASIC WIND SPEED:	130 MPH
EXPOSURE:	B
EXPOSURE ADJUSTMENT FACTOR:	1.0
INTERNAL PRESSURE COEFFICIENT:	Gcpi = ±0.18

		EXPOSURE B WIND LOADS		EXPOSURE ADJUSTMENT COEFFICIENT		DESIGN WIND LOADS
MWFRS WALL	(END ZONE)	26.8 PSF	x	1.0	=	26.8 PSF
MWFRS WALL	(INT. ZONE)	17.8 PSF	x	1.0	=	17.8 PSF
MWFRS ROOF	(END ZONE)	-13.9 PSF	x	1.0	=	-13.9 PSF
MWFRS ROOF	(INT. ZONE)	-8.2 PSF	x	1.0	=	-8.2 PSF
MWFRS ROOF	(UPLIFT)	-32.2 PSF	x	1.0	=	-32.2 PSF
COMPONENTS & CLADDING	(WALL PRESSURE)	30.4 PSF	x	1.0	=	30.4 PSF
	(WALL SUCTION)	-40.7 PSF	x	1.0	=	-40.7 PSF
	(ROOF PRESSURE)	12.4 PSF	x	1.0	=	12.4 PSF
	(ROOF SUCTION)	-63.9 PSF	x	1.0	=	-63.9 PSF

4. SEISMIC CRITERIA:
   - SITE CLASS: B
   - (IMPORTANCE) Ie = 1.5
   - Fa = 1.0 FV = 1.0
   - Ss = 0.253%g S1 = 0.07%g
   - Sms = 0.253 Sm1 = 0.07
   - Sds = 0.169 Sd1 = 0.047
   - SEISMIC DESIGN CATEGORY: B
   - EQUIVALENT LATERAL FORCE PROCEDURE
   - ORDINARY REINFORCED MASONRY SHEAR WALLS

5. SOIL BEARING CAPACITY: 3 TONS/S.F.
   AS REFERENCED BY SUB-SURFACE SOILS INVESTIGATION PERFORMED BY MELICK-TULLY & ASSOCIATES (APRIL 20, 2018)

FOUNDATION PLAN NOTES:

1. ELEVATIONS SHOWN THUS [ ] ARE RELATIVE TO FINISHED FIRST FLOOR ELEVATION [0'-0"].
2. ALL EXCAVATED EARTH SHALL BE REPLACED WITH TYPE 'C' CONTROLLED FILL AS PER SPECIFICATION SECTION 312323.13.
3. CONTRACTOR SHALL COORDINATE SIZE AND LOCATIONS OF ALL REQUIRED PIPING AND CONDUIT PENETRATIONS THROUGH FOUNDATION WALL WITH ALL OTHER CONTRACTS. PROVIDE PIPE SLEEVES AND REINFORCEMENT AROUND PENETRATIONS AS PER DETAIL 6 ON SHEET S500.00.
4. REFER TO 'A' DWGS FOR WATERPROOFING REQUIREMENTS.
5. COORDINATE LOCATIONS OF REINFORCEMENT DOWELS INTO BUILDING WALLS WITH MASONRY TRADE.
6. PROVIDE #5 DOWELS, 2'-0" LG. @ 12" O.C., EMBEDDED 8" INTO EXISTING FOUNDATION WALLS USING HILTI HIT-HY 200 ADHESIVE OR EQUAL.
7. CONTRACTOR SHALL COORDINATE DIMENSIONS OF ELEVATOR PIT FOUNDATION WITH ELEVATOR MANUFACTURER PRIOR TO COMMENCEMENT OF WORK IN THIS AREA.

SLAB NOTES:

1. ELEVATIONS SHOWN THUS [ ] ARE RELATIVE TO FINISHED FIRST FLOOR ELEVATION [0'-0"].
2. S1 INDICATES SPAN OF 8" CONCRETE SLAB ON GRADE, REINFORCED WITH (2) LAYERS OF 6x6 - W4.0xW4.0 W.W.F.
3. S2 INDICATES SPAN OF 5" CONCRETE SLAB ON GRADE, REINFORCED WITH (1) LAYER OF 6x6 - W2.9xW2.9 W.W.F.
4. PROVIDE 1/2" PRE-MOLDED EXPANSION JOINT AROUND PERIMETER OF CONCRETE SLAB ON GRADE WHERE IT ABUTS THE FOUNDATION WALL OF THE BUILDING.
5. COORDINATE LOCATIONS OF INTERIOR MASONRY WALLS WITH 'A' DWGS. PROVIDE #5 DOWELS, 1'-4" x 6" LG. @ 48" O.C. TO BE EMBEDDED INTO CONCRETE FLOOR SLAB.

MASONRY NOTES:

1. ALL VERTICAL MASONRY WALL REINFORCEMENT SHALL BE #5 BARS SPACED AT A MAXIMUM OF 32" O.C., TYP. UNLESS OTHERWISE NOTED.
2. THE FIRST CELL ADJACENT TO MASONRY OPENINGS, AS WELL AS ALL CORNERS, SHALL CONTAIN (1) CONT. VERTICAL #5 BAR, TYP. AT EACH SIDE OF OPENING.
3. FILL ALL MASONRY CELLS CONTAINING REINFORCEMENT SOLID WITH GROUT, TYP.,
4. REFER TO 'A' DWGS. AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT OUTLINED HERE, INCLUDING HORIZONTAL REINFORCEMENT AND BRICK TIES.
5. ALL VERTICAL REINFORCEMENT INTERRUPTED BY STRUCTURAL STEEL SHALL BE WELDED TO TOP OF STEEL MEMBERS, TYP.
6. COORDINATE PLACEMENT OF VERTICAL WALL DOWELS EMBEDDED INTO FOUNDATION WALL WITH CELLS OF MASONRY WALL. DOWEL SPACING TO MATCH SPACING OF VERTICAL REINFORCEMENT IN WALLS, TYP.

LEGEND:

U.O.N. =	UNLESS OTHERWISE NOTED
T.O.F. =	TOP OF FOOTING
T.O.W. =	TOP OF WALL
C.J. =	CONTROL JOINT
E.J. =	1/2" PREMOLDED EXPANSION JOINT
E.O.S. =	EDGE OF SLAB
T.O.S. =	TOP OF SLAB
U.O.N. =	UNLESS OTHERWISE NOTED
H.P. =	HIGH POINT OF PITCHED SLAB
L.P. =	LOW POINT OF PITCHED SLAB

INDICATES PITCH DIRECTION OF SLAB

INDICATES CHANGE IN SLAB ELEVATION

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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
MDH	MDH	SDL	SDL

PROJECT No:	DATE:	SCALE:
MKIV1802	12/13/2021	AS SHOWN

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

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GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

FOUNDATION PLAN, SLAB PLAN, AND DESIGN LOADS

DRAWING No.

S 100

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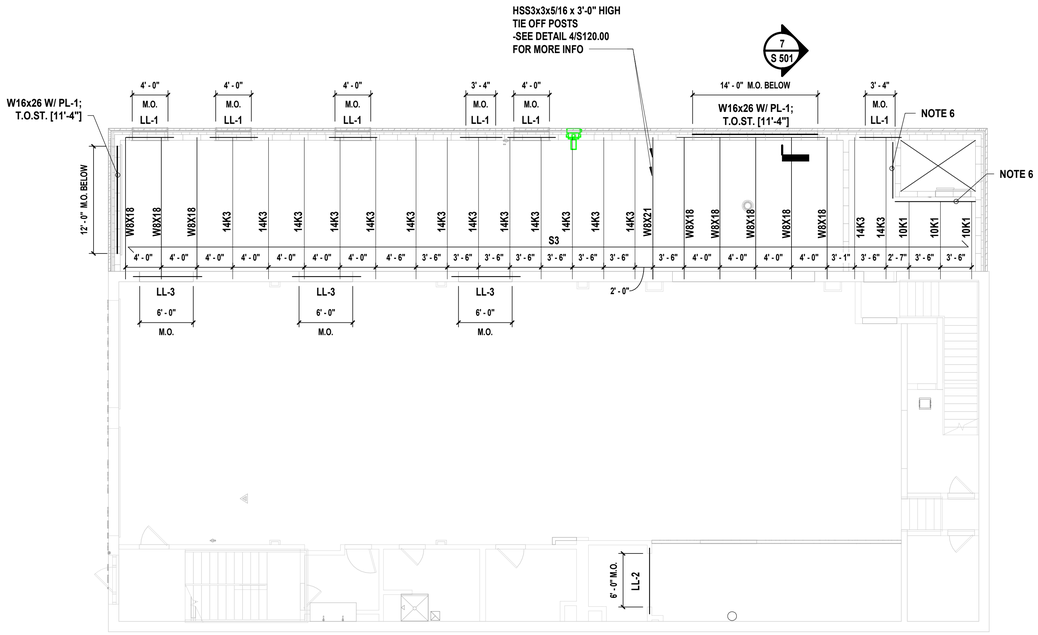
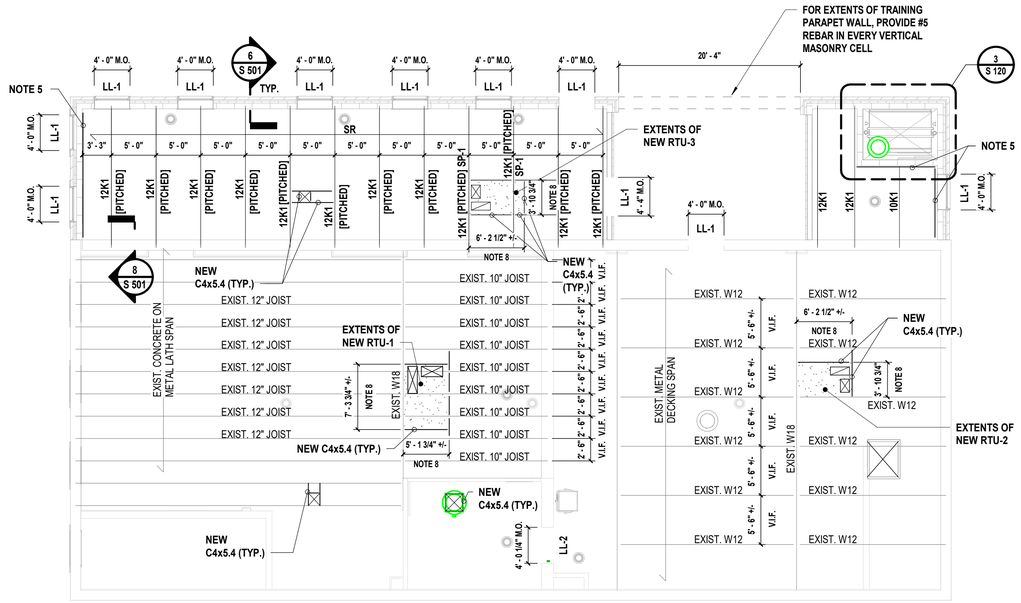


1 **Second Floor Framing Plan**
SCALE: 1/8" = 1'-0"



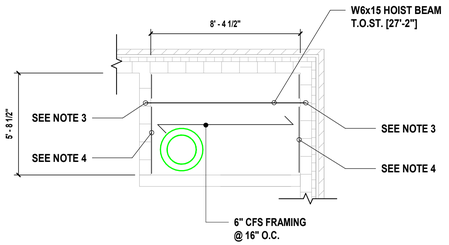
2 **Roof Framing Plan**
SCALE: 1/8" = 1'-0"

SECOND FLOOR FRAMING NOTES:

1. TOP OF STEEL SHALL BE SET AT [12'-6"] ABOVE FINISHED FIRST FLOOR ELEVATION UNLESS OTHERWISE NOTED AS THUS [ ].
2. S3 → INDICATES SPAN OF 4" CONCRETE SLAB, REINFORCED WITH 6x6 - W2.9xW2.9 W.W.F. AND 1.3C 24GA. METAL FORM DECK AS MANUFACTURED BY VULCRAFT NUCOR OR APPROVED EQUAL.
3. INSTALL BRIDGING FOR BAR JOISTS AS PER S.J.I. REQUIREMENTS.
4. STEEL CONNECTION PIECE DETAILS SHALL BE SUBMITTED WITH CALCULATIONS SIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER. CONNECTION DESIGNER SHALL DESIGN ALL MOMENT CONNECTIONS AND SIMPLE SHEAR CONNECTIONS. WHERE DESIGN SHEAR REACTION IS NOT LISTED ON DRAWINGS, IT SHALL BE DETERMINED BY THE CONNECTION DESIGNER AS THE MAXIMUM REACTION RESULTING FROM THE INDICATED BEAM SECTION BEING FULLY LOADED WITH MAXIMUM ALLOWABLE UNIFORM LOADS AS SPECIFIED IN AISC SPECIFICATION. WHERE AXIAL FORCE IN BEAMS IN NOT LISTED IN DRAWINGS, IT SHALL BE TAKEN AS 10 KIPS ASD. ALL CONNECTIONS SHALL BE DESIGNED CONSIDERING AXIAL, SHEAR AND MOMENT FORCES SIMULTANEOUSLY AS REQUIRED BY BUILDING CODE. SEE STRUCTURAL STEEL SPECIFICATIONS FOR ADDITIONAL DESIGN LOADING REQUIREMENTS.
5. PROVIDE CONTINUOUS 12 GA. POURSTOP WITH 18 GA. CELL CLOSURE AROUND PERIMETER OF FLOOR SLAB WHERE IT ABUTS THE WALL AND AT EDGES OF SLAB OPENINGS, TYP.
6. PROVIDE L6x4x5/16 (LLV) SEAT FASTENED TO FACE OF CMU WALL W/ 5/8" Ø HILTI HIT-HY 270 'HAS' THREADED RODS @ 16" O.C. OR EQUAL. EMBEDDED 4" (TYP.). CELLS TO BE GROUTED AT ATTACHMENT LOCATIONS. PROVIDE 1/4" WEB STIFFENER PLATES TO ANGLE DIRECTLY BELOW JOIST BEARING LOCATIONS (WHERE APPLICABLE).
7. DECKING SHALL BE FASTENED TO THE FLOOR FRAMING USING A 36/4 FASTENER PATTERN. DECKING SHALL BE FASTENED TO SUPPORTS USING 5/8" PUDDLE WELDS, SIDELAPS SHALL BE FASTENED USING #10 SCREWS.
8. PL-1 = 15" WIDE x M.O. x 5/16" THK BASE PLATE EXTENSION WELDED TO UNDERSIDE OF BOTTOM FLANGE OF W-SECTION.

ROOF FRAMING NOTES:

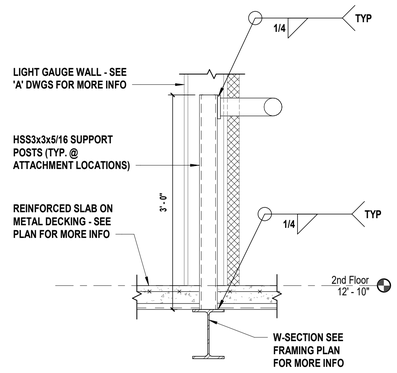
1. TOP OF STEEL SHALL BE SET AT [??'-??"] ABOVE FINISHED FIRST FLOOR ELEVATION UNLESS OTHERWISE NOTED AS THUS [ ].
2. SR → INDICATES SPAN OF 1.5B20 GALV. METAL DECKING AS MANUFACTURED BY VULCRAFT NUCOR OR APPROVED EQUAL
3. INSTALL BRIDGING FOR BAR JOISTS AS PER S.J.I. REQUIREMENTS.
4. STEEL CONNECTION PIECE DETAILS SHALL BE SUBMITTED WITH CALCULATIONS SIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER. CONNECTION DESIGNER SHALL DESIGN ALL MOMENT CONNECTIONS AND SIMPLE SHEAR CONNECTIONS. WHERE DESIGN SHEAR REACTION IS NOT LISTED ON DRAWINGS, IT SHALL BE DETERMINED BY THE CONNECTION DESIGNER AS THE MAXIMUM REACTION RESULTING FROM THE INDICATED BEAM SECTION BEING FULLY LOADED WITH MAXIMUM ALLOWABLE UNIFORM LOADS AS SPECIFIED IN AISC SPECIFICATION. WHERE AXIAL FORCE IN BEAMS IN NOT LISTED IN DRAWINGS, IT SHALL BE TAKEN AS 10 KIPS ASD. ALL CONNECTIONS SHALL BE DESIGNED CONSIDERING AXIAL, SHEAR AND MOMENT FORCES SIMULTANEOUSLY AS REQUIRED BY BUILDING CODE. SEE STRUCTURAL STEEL SPECIFICATIONS FOR ADDITIONAL DESIGN LOADING REQUIREMENTS.
5. PROVIDE L6x4x5/16 (LLV) SEAT FASTENED TO FACE OF CMU WALL W/ 5/8" Ø HILTI HIT-HY 270 'HAS' THREADED RODS @ 24" O.C. OR EQUAL, EMBEDDED 4" (TYP.). CELLS TO BE GROUTED AT ATTACHMENT LOCATIONS. PROVIDE 1/4" WEB STIFFENER PLATES TO ANGLE DIRECTLY BELOW JOIST BEARING LOCATIONS (WHERE APPLICABLE).
6. DECKING SHALL BE FASTENED TO THE FLOOR FRAMING USING A 36/4 FASTENER PATTERN. DECKING SHALL BE FASTENED TO SUPPORTS USING 5/8" PUDDLE WELDS, SIDELAPS SHALL BE FASTENED USING #10 SCREWS.
7. DECKING SHALL BE FASTENED TO THE FLOOR FRAMING USING A 36/4 FASTENER PATTERN. DECKING SHALL BE FASTENED TO SUPPORTS USING 5/8" PUDDLE WELDS, SIDELAPS SHALL BE FASTENED USING #10 SCREWS.
8. CONTRACTOR TO COORDINATE ALL ROOF TOP EQUIPMENT & OPENINGS W/ 'M' DWGS AND WITH APPROVED SHOP DRAWINGS. LOCATIONS INDICATED ARE APPROXIMATE AND SHALL BE COORDINATED.



NOTES:

1. TOP OF FRAMING SHALL BE SET AT [27'-4"] U.O.N.
2. DOUBLE UP CFS FRAMING AROUND PERIMETER OF ROOF PENETRATION.
3. REFER TO DETAIL 10/S500 FOR BEAM POCKETING INTO CMU WALL.
4. PROVIDE 6" CFS RIM TRACK FASTENED TO CMU WALL W/ 1/2" Ø BOLTS @ 24" O.C. MAX, EMBEDDED 4" USING HILTI HIT-HY 270 OR EQUAL. CELLS TO BE GROUTED AT ATTACHMENT LOCATIONS.

3 **Elevator Roof Framing Plan**
SCALE: 1/4" = 1'-0"



4 **Training Wall Tie Off Connection**
SCALE: 1" = 1'-0"

LINTEL SCHEDULE

MARK	SIZE	DETAILS	COMMENTS
LL-1	(2) L4 x 3-1/2x 5/16 LLV, (1) L4 x 3-1/2 x 5/16 LLV & PL 1/4" x 15" x M.O.		NOTES 1-3, 5
LL-2	(2) L4 x 3 1/2x 5/16 LLV		NOTES 1, 3-5
LL-3	(2) L6 x 3-1/2 x 3/8" LLV, (2) L6 x 3-1/2 x 3/8" LLV & PL 1/4" x 13" x M.O.		NOTES 1, 3, 5 & 6

NOTES:

1. LINTEL LENGTH SHALL BE M.O. + 1'-4" TO PROVIDE MIN. BEARING OF 8" ONTO SOLID MASONRY ON EACH SIDE.
2. ALL EXTERIOR LINTELS TO BE SHOP APPLIED HOT DIPPED GALVANIZED.
3. WELD VERTICAL REINFORCEMENT INTERRUPTED BY MASONRY OPENINGS TO TOP OF THE STEEL LINTELS, TYPICAL.
4. ANTICIPATED EXISTING MASONRY IS 8" CMU. CONTRACTOR TO CONFIRM ASSUMED WALL TYPE PRIOR TO FABRICATION OF LINTEL.
5. VERTICAL LEGS OF DOUBLE ANGLES SHALL BE WELDED TOGETHER.
6. ANTICIPATED EXISTING MASONRY IS 1'-2" CMU. CONTRACTOR TO CONFIRM ASSUMED WALL TYPE PRIOR TO FABRICATION OF LINTEL.

5 **Loose Lintel Schedule**
SCALE: 1/2" = 1'-0"

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Latham, NY 12110
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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
MDH	JES	SDL	SDL

PROJECT No:	DATE:	SCALE:
MKIV1802	12/13/2021	AS SHOWN

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

CONTRACT
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STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
SECOND FLOOR & ROOF FRAMING PLANS

DRAWING No.
S 120

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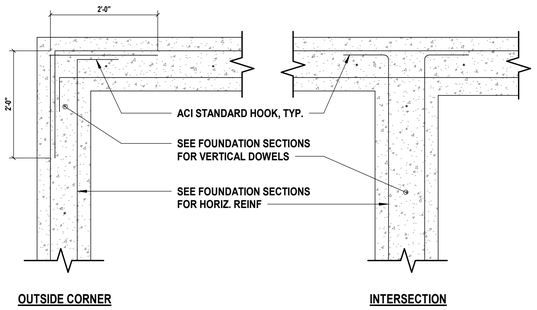
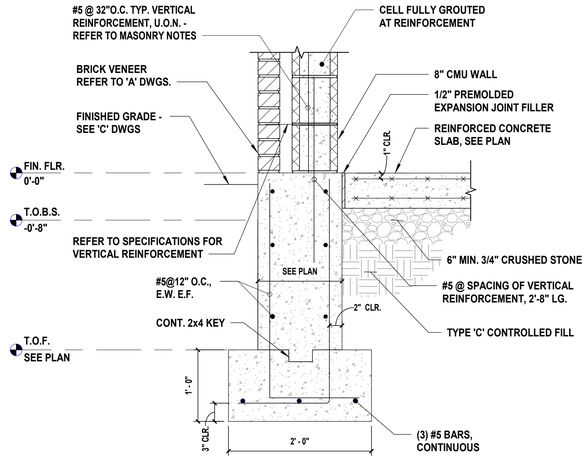
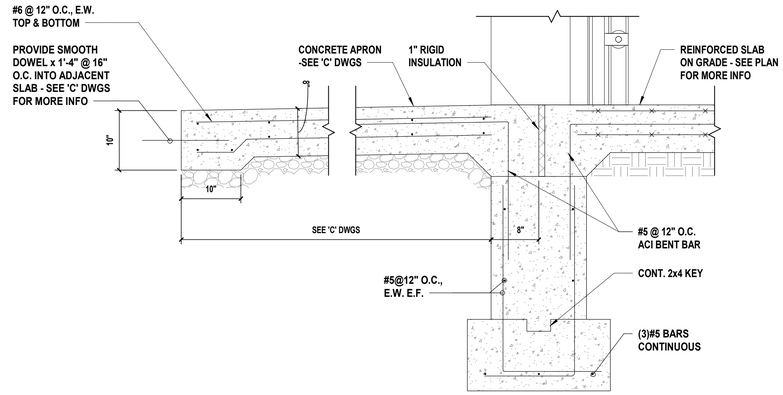


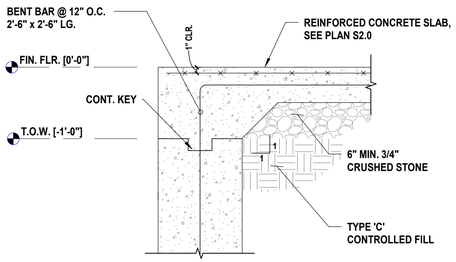
1 Typical Foundation Reinforcement
SCALE:N.T.S.



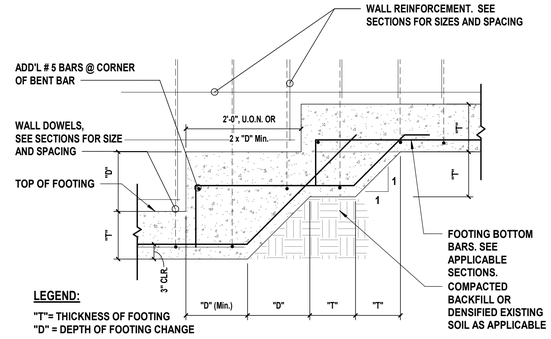
2 Exterior Foundation Wall
SCALE:N.T.S.



3 Typical Apron Detail
SCALE: N.T.S.



4 Typical Haunched Slab at Doorways
SCALE:N.T.S.



5 Typical Stepped Footing Detail
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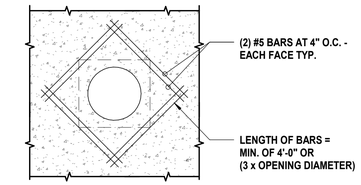
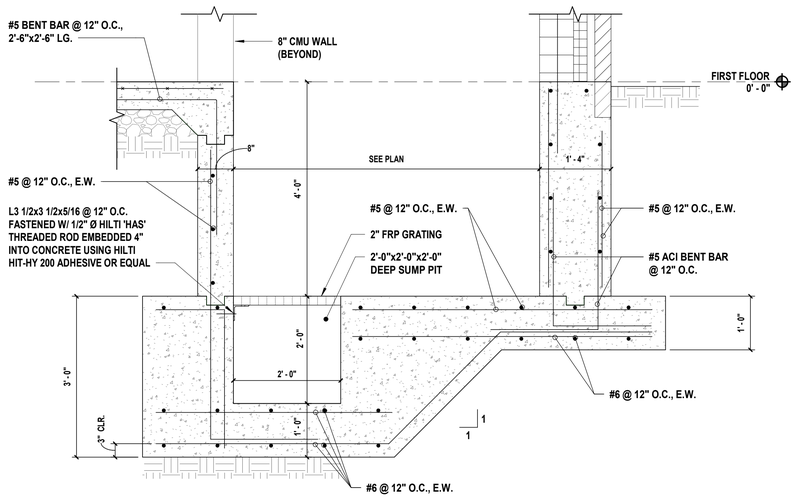
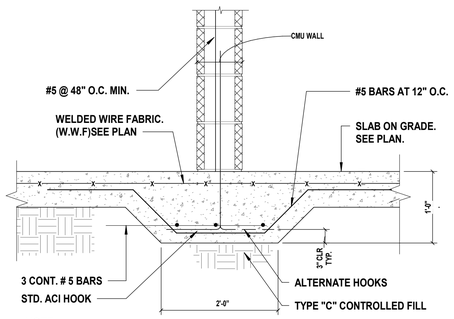


6 Typical Elevation Of Wall/Slab Penetration
SCALE:N.T.S.

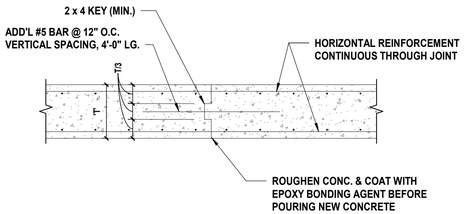


7 Section at Elevator Foundation
SCALE:N.T.S.



NOTE
VAPOR BARRIER TO BE CONTINUOUS UNDER THICKENED SLAB.

8 Typical Haunched Slab at Masonry Partitions
SCALE:N.T.S.



NOTE:
1. KEY WIDTH NOT TO EXCEED 1/3 WIDTH OF WALL. VERTICAL CONSTRUCTION JOINT PERMITTED IN WALL OR GRADE AT ANY POINT 4'-0" MIN. AWAY FROM FACE OF SUPPORTING PIER, BUTTRESS AND/OR WALL OPENING. PROVIDE ONE VERTICAL CONSTRUCTION JOINT FOR EVERY 40'-0" OF STRAIGHT RUN OF WALL.
2. SUBMIT CONSTRUCTION JOINT LAYOUT FOR ALL CONCRETE STRUCTURES FOR ENGINEER'S REVIEW

9 Typical Construction Joint Details
SCALE:N.T.S.

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CONSULTANTS:

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MDH	MDH	SDL	SDL

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

CONTRACT
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SHEET TITLE
DETAILS

DRAWING No.
S 500

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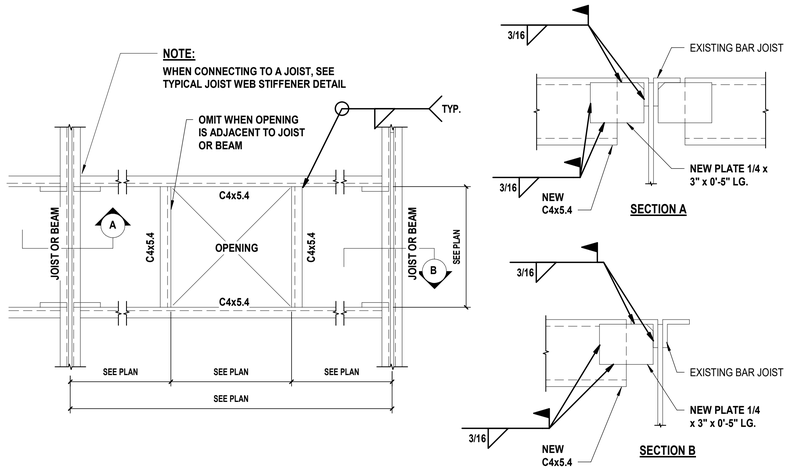

1 Typical Framed Roof Opening at Existing Joist or Beam

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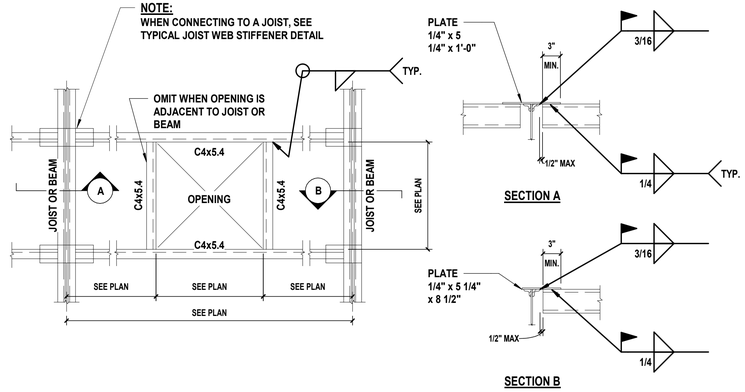
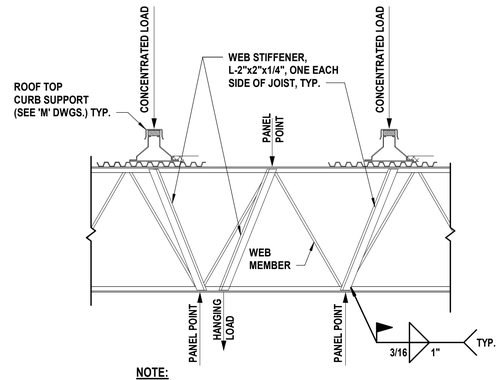


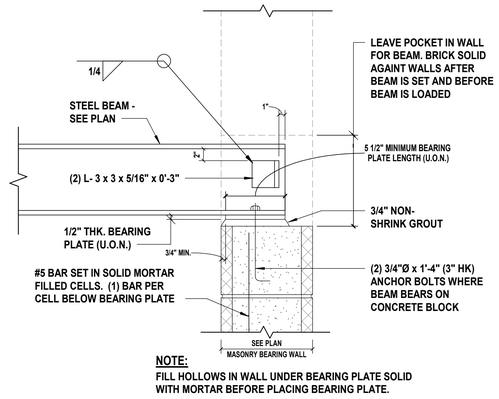
2 Typical Framed Roof Opening at New Joist or Beam

SCALE:N.T.S.



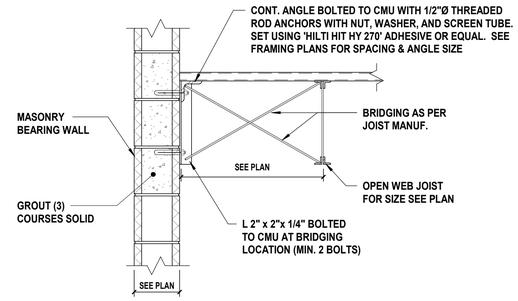
3 Typical Joist Web Stiffeners

SCALE: N.T.S.



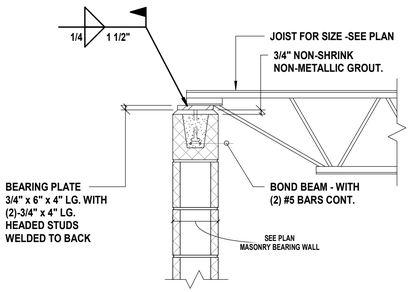
4 Typical Beam Bearing on CMU Wall

SCALE:N.T.S.



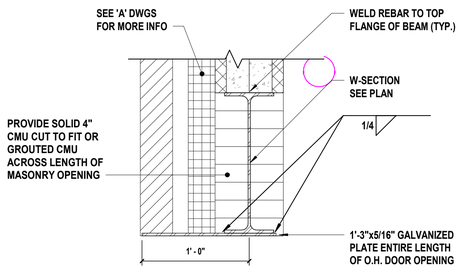
5 Typical Deck Support And Joist Bridging at CMU Wall

SCALE:N.T.S.



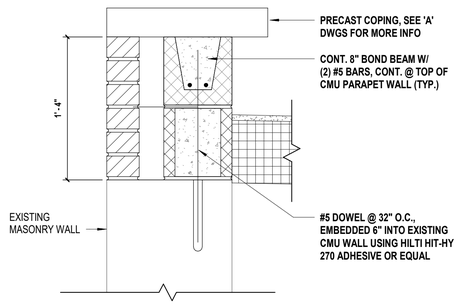
6 Typical Joist Bearing on CMU Wall

SCALE:N.T.S.



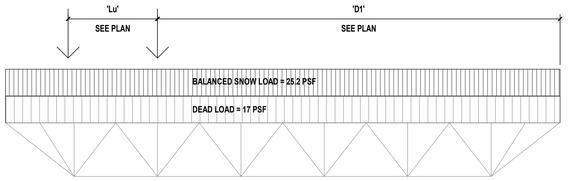
7 Section at Overhead Door

SCALE: N.T.S.



8 New CMU Parapet to Existing Masonry Wall

SCALE:N.T.S.



JOIST DESIGNATION	P (LBS)	'D'	'Lu'
SP1	240	SEE PLAN	SEE PLAN

9 Joist Loading Diagram

SCALE: 3/8" = 1'-0"

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Latham, NY 12110
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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
MDH	MDH	SDL	SDL

PROJECT No:	DATE:	SCALE:
MKIV1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

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GENERAL ROOF DEMOLITION NOTES:

1. ALL WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.
2. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE EXISTING BUILDING WHERE NEW WORK IS TO BE COMPLETED FROM DUST, WEATHER INCLEMENCY AND FREEZING. PROVIDE DUST FREE BARRIER PARTITIONS DURING DEMOLITION TO PREVENT DEBRIS FROM ENTERING NON-WORK AREAS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
3. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES AND FINISHES DURING DEMOLITION. THE CONTRACTOR SHALL PATCH AND REPAIR ALL ADJACENT SURFACES DAMAGED DURING DEMOLITION . CONTRACTOR SHALL MATCH ALL ADJACENT FINISHES.
4. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, STRUCTURAL INTEGRITY AND APPEARANCE OF THOSE WHICH WERE REMOVED AND IN CONFORMANCE WITH CONTRACT DOCUMENTS AND AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE PARKING LOT PAVING, CONCRETE SIDEWALKS, LANDSCAPING, GRASS AREAS AND EXTERIOR FINISHES. ANY DAMAGED AREAS SHALL BE RESTORED TO EXISTING CONDITION BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
6. COORDINATE THE WORK OF THE DEMOLITION DRAWING WITH ALL CONSTRUCTION DRAWINGS AND DOCUMENTS.
7. THIS DRAWING IS A GENERAL LIST OF DEMOLITION ITEMS AND IS NOT EVERY ITEM REQUIRED FOR DEMOLITION. CONTRACTOR SHALL PROVIDE ALL DEMOLITION REQUIRED TO PERFORM ALL WORK INDICATED WITHIN THE PROJECT DRAWINGS AND SPECIFICATIONS AND TO PREPARE ALL AREAS FOR THE CONSTRUCTION WORK.
8. THE CONTRACTOR SHALL PROTECT AND MAKE WEATHER TIGHT ALL AREAS EXPOSED AS A PART OF THE ROOFING DEMOLITION AND SHALL REMOVE AN AREA NOT TO EXCEED THE AMOUNT OF ROOFING WHICH CAN BE INSTALLED PER DAY.
9. CONTRACTOR SHALL FLUSH ALL ROOF DRAINS THOROUGHLY USING HIGH PRESSURE WATER JETTING PRIOR TO BEGINNING DEMOLITION WORK.

GENERAL DEMOLITION NOTES:

1. PERFORM ALL DEMOLITION AS REQUIRED TO COMPLETE WORK. THE CONTRACTOR SHALL PERFORM ALL ENVIRONMENTAL ABATEMENT WORK PRIOR TO BEGINNING ANY DEMOLITION WORK.

2. THE CONTRACTOR SHALL OBEY ALL CODES, STATUES AND LAWS AS APPLICABLE TO DEMOLITION WORK IN AN OCCUPIED BUILDING AND FOR REMOVAL OF MATERIALS SAFELY FROM THE SITE, INCLUDING ALL OSHA REGULATIONS.

3. THE OWNER SHALL REMOVE EXISTING EQUIPMENT, PLAQUES, POSTERS,CCTV, SECURITY SYSTEMS, AND ALL SIMILAR ITEMS WHICH WILL BE SALVAGED FROM THE DEMOLITION AREA PRIOR TO THE START OF CONSTRUCTION.

4. COORDINATE THE EXACT LOCATIONS OF ALL DUMPSTERS, AND MATERIALS STORED AT GRADE (IF ANY) WITH THE OWNER.

5. COORDINATE THE WORK OF THE DEMOLITION DRAWINGS WITH ALL CIVIL, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS.

6. THE CONTRACTOR IS REQUIRED TO PROTECT ALL EXISTING TO REAMIN EQUIPMENT AND FINISHES INCLUDING BUT NOT LIMITED TO EXISTING MECHANICAL, PLUMBING, AND ELECTRICAL.

7. DIMENSIONS ARE TO BE VERIFIED IN FIELD. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS FOR QUANTITY TAKEOFFS AND FABRICATION OF MATERIALS.

8. CONTRACTOR IS TO PROVIDE DRAWINGS SIGNED AND SEALED BY A NYS LICENSED ENGINEER FOR ALL SHORING WORK PRIOR TO DEMOLITION FOR THE ARCHITECT TO REVIEW. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL AREAS THAT WILL NEED SHORING.

9. ALL EXTERIOR MASONRY SURFACES TO BE CLEANED EXCEPT SOUTH SIDE OF BUILDING

10. ALL EXISTING ROOF MOUNTED EQUIPMENT WILL BE TEMPORARILY DISCONNECTED, REMOVED, AND REINSTALLED AFTER RE ROOF, AND RECONNECTED. DUNNAGE OR CURBS WILL BE REPLACED.

ASBESTOS ABATEMENT NOTES

1. ASBESTOS ABATEMENT WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL AND STATE CODE REQUIREMENTS AND THE CONTRACT. *SEE SPECIFICATION SECTION 02 82 00 AND ENVIRONMENTAL REPORT AFTER 'APPENDIX' FOR ADDITIONAL INFORMATION.*

2. AIR MONITORING-TEST LABORATORY-TEST LABORATORY SERVICE SHALL BE PERFORMED BY THE OWNER. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE WITH OWNER FOR INDEPENDENT AIR MONITORING.

3. CONTRACTOR SHALL PROVIDE 10 DAYS NOTIFICATION TO ENGINEER AND OWNER BEFORE COMMENCING ABATEMENT OPERATIONS ON SITE IN THE AREAS IDENTIFIED AS BEING POSITIVE FOR ASBESTOS.

4. THIS BUILDING IS KNOWN TO CONTAIN ASBESTOS CONTAINING MATERIALS. REFER TO THE SPECIFICATIONS FOR LOCATIONS. CONTRACTOR SHALL REFER ASBESTOS TO PRE-CONSTRUCTION SURVEY DATED MARCH 1, 2018 FOR ADDITIONAL INFORMATION.

5. CONTRACTOR SHALL PAY FOR AND SECURE ALL PERMITS AND NOTIFICATIONS REQUIRED FOR ASBESTOS ABATEMENT WORK.

6. CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH ARCHITECT AND OWNER.

7. CONTRACTOR IS TO VERIFY ALL QUANTITIES IN FIELD.

8. THE COSTS ASSOCIATED WITH THE REMOVAL, CLEANING, REPAIR AND DISPOSAL OF ASBESTOS ARE TO BE INCLUDED IN THE CONTRACTOR'S BASE BID.

9. UPON COMPLETION OF THE DEMOLITION WORK, THE CONTRACTOR SHALL SUBMIT COPIES OF ALL WASTE MANIFEST AND LANDFILL RECEIPTS TO THE ARCHITECT AS PART OF THE REQUIRED CLOSEOUT DOCUMENTS.

DEMOLITION KEYNOTES

D1	CONTRACTOR SHALL REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING (SAC) TILES, CEILING GRID TO REMAIN.
D2	CONTRACTOR SHALL REMOVE EXISTING WALL SYSTEM (SAW CUT AS NEEDED), COMPLETE. CONTRACTOR IS RESPONSIBLE TO VIF EXISTING WALL TYPE AND IF ANY ADDITIONAL FRAMING OR SUPPORT IS NEEDED DURING DEMOITION OR RECONSTRUCTION. WHERE REQUIRED, PATCH EXISTING FLOOR, WALL AND CEILING IN AREAS WHERE WALLS ARE REMOVED WITH MATERIALS AND FINISHES TO MATCH EXISTING ADJACENT CONSTRUCTION.
D9	CONTRACTOR SHALL REMOVE EXISTING WINDOW SYSTEM AND ALL ASSOCIATED CONSTRUCTION COMPLETE. INCLUDING SHADES OR CURTAINS. PREPARE FOR NEW CONSTRUCTION. STRUCTURAL MULLIONS IF DISCOVERED SHALL NOT BE REMOVED UNTIL NEW WINDOW LAYOUT AND SHOP DRAWINGS ARE APPROVED. STRUCTURAL MULLIONS, IF REUSED SHALL RECIEVE NEW ALUMINUM COVERS TO MATCH NEW WINDOWS. CONSULT WITH ARCHITECT.
D10	CONTRACTOR SHALL REMOVE EXISTING DOOR COMPLETE, INCLUDING FRAME, HARDWARE, WALL ANCHORS, AND ALL DEVICES USED TO SECURE THE DOOR AND FRAME IN PLACE. PREPARE TO RECEIVE NEW CONSTRUCTION.
D15	CONTRACTOR SHALL COMPLETELY REMOVE EXISTING PLUMBING FIXTURES IN THEIR ENTIRETY.
D16	CONTRACTOR SHALL COMPLETELY REMOVE EXISTING TOILET ACCESSORIES IN THEIR ENTIRETY. REMOVAL SHALL INCLUDE BUT NOT BE LIMITED TO: SHOWERS, MIRRORS, SOAP DISPENSERS, WASTE RECEPTACLES, PAPER TOWEL DISPENSERS AND SANITARY NAPKIN DISPOSAL, UNO.
D23	CONTRACTOR SHALL SAW CUT NEW OPENING IN EXISTING MASONRY WALL CONSTRUCTION. REFER TO PLAN FOR WIDTH OF OPENING. REFER TO 'S' DRAWINGS FOR LINTEL. NEW DIAMOND PLATE HEAD AND JAMB.
D24	CONTRACTOR SHALL COMPLETELY REMOVE OVERHEAD DOOR, FRAME AND HARDWARE. PREPARE EXISTING OPENING TO RECEIVE NEW OVERHEAD DOOR.
D27	CONTRACTOR SHALL COMPLETELY REMOVE ALL EXISTING KITCHEN EQUIPMENT IN ITS ENTIRETY. REMOVALS SHALL INCLUDE BUT NOT BE LIMITED TO, EQUIPMENT, FIXTURES, CASEWORK, SHELVING, EXHAUST HOODS, BACKSPLASHES AND ALL DEVICES USED TO SECURE ITEMS IN PLACE. PREPARE EXISTING AREA TO RECEIVE NEW CONSTRUCTION.
D30	CONTRACTOR SHALL REMOVE EXISTING SUSPENDED ACOUSTICAL CEILING SYSTEM TILES AND GRID, COORDINATE WITH ARCHITECT TO CONFIRM LOCATIONS. PREPARE FOR NEW FINISHES.
D33	REMOVE PORTION OF EXISTING WALL BELOW EXISTING WINDOW OPENING IN ITS ENTIRETY TO TOP OF EXISTING FLOOR SLAB, WIDTH AS SHOWN ON PLAN. THE CONTRACTOR SHALL TEMPORARILY SUPPORT MASONRY OPENING AS REQUIRED FOR INSTALLATION OF NEW WORK. REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE.
D34	REMOVE PORTION OF EXISTING WALL BELOW EXISTING WINDOW OPENING IN ITS ENTIRETY TO TOP OF EXISTING FLOOR SLAB. REMOVAL IS TO EQUAL THE WIDTH OF EXISTING WINDOW OPENING ABOVE
D35	CONTRACTOR TO REMOVE EXISTING UTILITY SINK.
D37	CONTRACTOR SHALL REMOVE EXISTING FLOORING AND EXISTING WALL BASE. PREP FOR NEW FLOORING AND BASE.
D38	REMOVE AND DISPOSE OF EXISTING INTERIOR ROOF ACCESS LADDER.
D39	REMOVE EXISTING CANOPY OVER DOOR
D40	SALVAGE EXISTING CAST IRON WHEEL GUARDS FOR RE-USE ON NEW FRONT OVERHEAD DOOR.

ROOF DEMOLITION KEYED NOTES

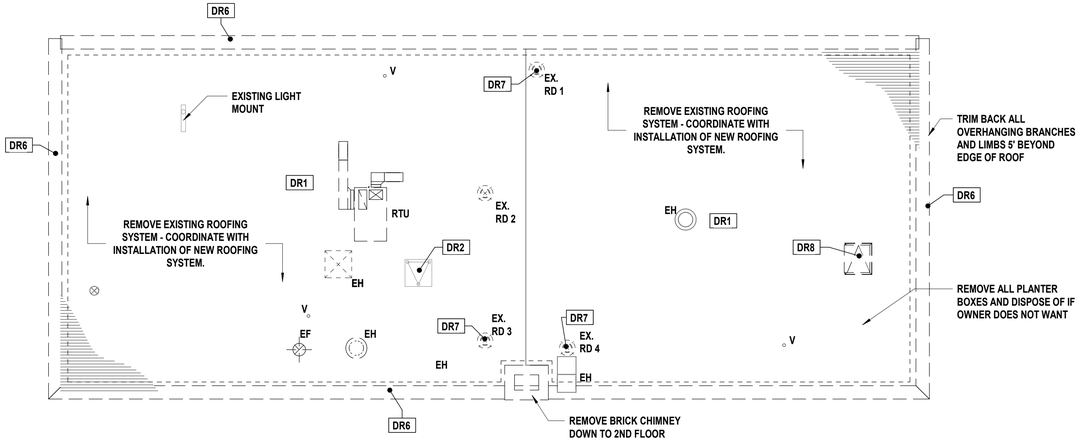
DR1	REMOVE EXISTING ROOF MEMBRANE ONLY, EXISTING INSULATION TO REMAIN. PREP FOR NEW EPDM ROOF SYSTEM.
DR2	RADIO TOWER TO REMAIN
DR6	CARFULLY REMOVE EXISTING METAL COPING AND REINSTALL WITH INSTALLATION OF NEW ROOF SYSTEM.
DR7	REMOVE EXISTING ROOF DRAIN, PIPING TO REMAIN. PREP FOR NEW REPLACEMENT ROOF DRAIN IN SAME LOCATION.
DR8	EXISTING ROOF HATCH, CURB AND BLOCKING TO BE REMOVED AND REPLACED WITH NEW AT SAME OPENING.

DEMOLITION ROOFING SYMBOL LEGEND

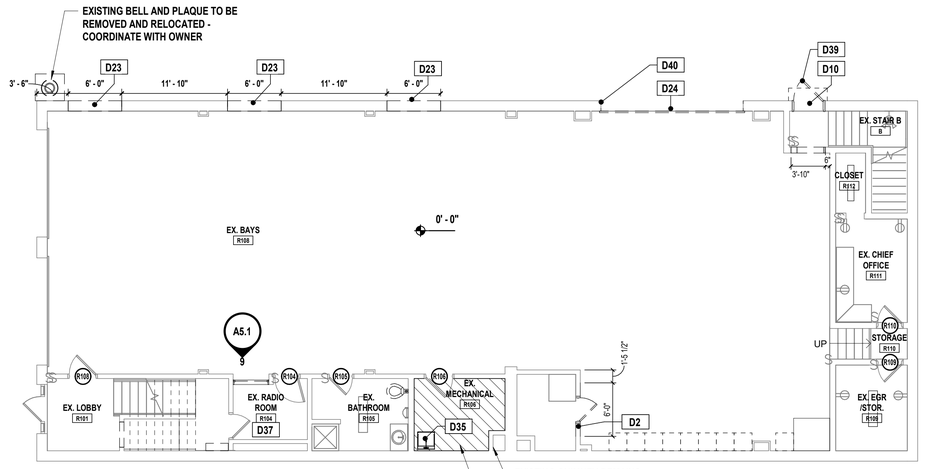
EX. RTU	EXISTING ROOF TOP UNIT TO REMAIN
RTU	DEMO EXISTING ROOF TOP UNIT
EX. EH	EXISTING ROOF MOUNTED EXHAUST HOOD TO REMAIN
EH	DEMO EXISTING ROOF MOUNTED EXHAUST HOOD
EX. V	EXISTING PLUMBING VENT TO REMAIN
V	DEMO EXISTING PLUMBING VENT
EX. RD	DEMO EXISTING ROOF DRAIN - PREPARE FOR NEW ROOF DRAIN
	DEMO EXISTING ROOF DRAIN
	DEMO EXISTING ROOF TO ACCOMODATE FOR NEW ROOF MECH. UNIT. REFER TO H DWGS AND CUT SHEETS FOR ADDITIONAL INFORMATION.

FLOOR PLAN DEMOLITION LEGEND

	EXISTING WALLS, MATERIALS, EQUIPMENT, FIXTURES AND PARTITIONS TO BE REMOVED
	EXISTING DOOR AND FRAME TO BE REMOVED
	EXISTING DOOR AND FRAME TO REMAIN
	EXISTING WINDOW TO BE REMOVED
	EXISTING FLOOR DRAIN TO REMAIN

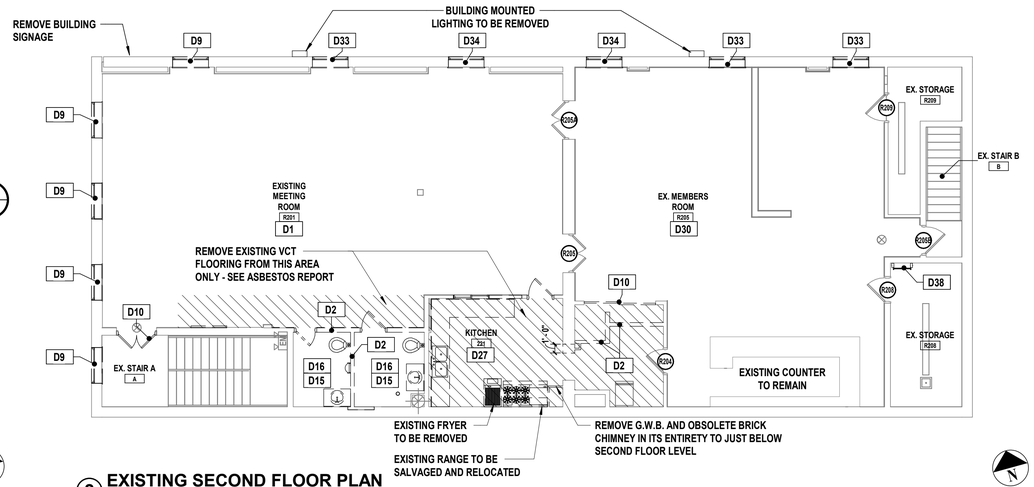


3 ROOF DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



1 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

2 A2.1



2 EXISTING SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1802	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

FIRST AND SECOND FLOOR DEMOLITION PLANS

DRAWING No.

D1.1

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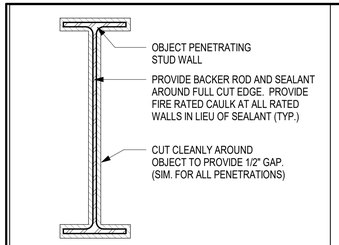
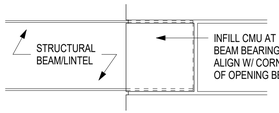
12/15/2021 15:36:33

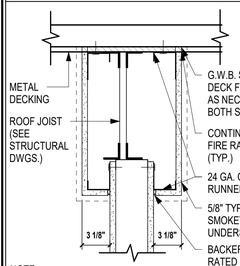


NOTE:
THESE DETAILS APPLY TO ALL PENETRATING ITEMS INCLUDING BEAMS, JOISTS, ANGLES, DUCTS, PIPES, CONDUIT, ETC. BEAMS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

TYPICAL HORIZONTAL PENETRATIONS AT WALLS

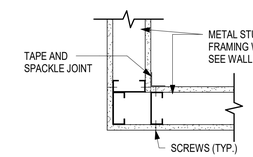


TYPICAL INFILL AT EXPOSED BEAM/ LINTEL BEARING



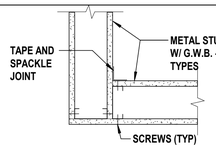
NOTE:
TYPICAL TOP OF WALL STUD FRAMING AROUND ROOF JOIST (BEAM SIM.) PROVIDING SMOKETIGHT BARRIER OR FIRE RATING TO MATCH WALL RATING; SEE PLAN AND WALL TYPES

TYPICAL TOP OF FIRE RATED WALLS OR SMOKE PARTITION WALLS AT JOISTS OR BEAMS



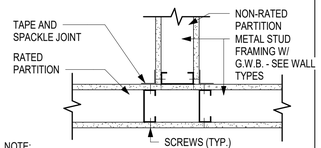
NOTE:
TYPICAL CORNER DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT NON-RATED PARTITIONS.
2. INTERSECTION AT RATED PARTITIONS.

TYPICAL STUD WALL CORNER DETAIL @ RATED PARTITIONS



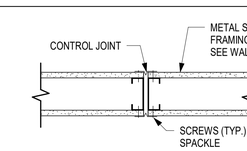
NOTE:
TYPICAL CORNER DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT A NON-RATED AND RATED PARTITION.

TYPICAL STUD WALL CORNER DETAIL @ NON-RATED PARTITIONS

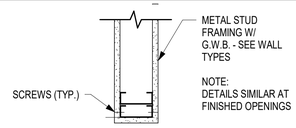


NOTE:
TYPICAL "T" INTERSECTION DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT A NON-RATED PARTITION AND A RATED PARTITION.

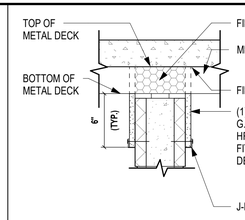
TYPICAL STUD WALL INTERSECTION @ NON-RATED PARTITION & A RATED PARTITION



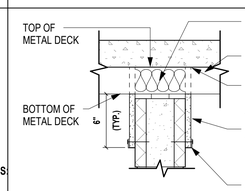
TYPICAL CONTROL JOINT @ STUD WALL



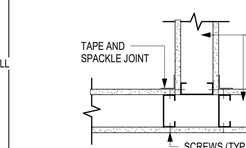
TYPICAL STUD WALL END CONDITION



TYPICAL TOP OF C.M.U. WALL TO UNDERSIDE OF COMPOSITE DECK @ RATED ASSEMBLY

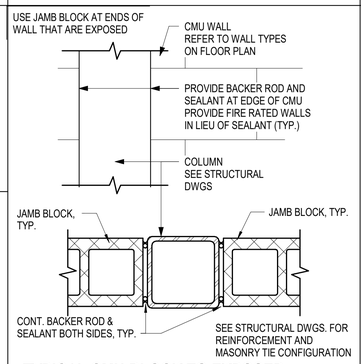


TYPICAL TOP OF C.M.U. WALL TO UNDERSIDE OF COMPOSITE DECK @ NON-RATED ASSEMBLY

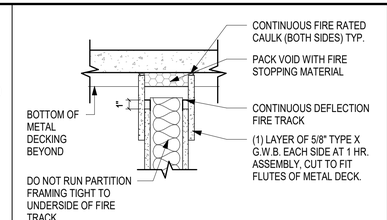


NOTE:
TYPICAL "T" INTERSECTION DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT NON-RATED PARTITIONS.
2. INTERSECTION AT RATED PARTITIONS.

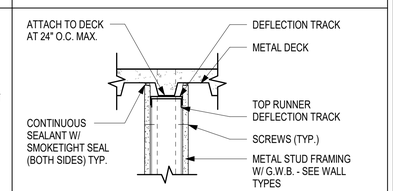
TYPICAL STUD WALL INTERSECTION @ RATED PARTITIONS



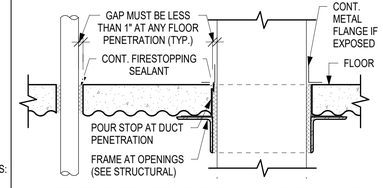
TYPICAL CMU BLOCK TO EXPOSED COLUMN DETAIL



TYPICAL TOP OF WALL STUD FRAMING TO UNDERSIDE OF FLOOR OR ROOF DECKING @ RATED PARTITIONS



TYPICAL TOP OF WALL STUD FRAMING TO UNDERSIDE OF FLOOR OR ROOF DECKING @ NON-RATED PARTITIONS



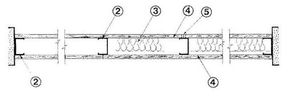
NOTE:
TYPICAL "T" INTERSECTION DETAIL OCCURS AT THE FOLLOWING LOCATIONS:
1. INTERSECTION AT NON-RATED PARTITIONS.
2. INTERSECTION AT RATED PARTITIONS.

TYPICAL STUD WALL INTERSECTION @ RATED PARTITIONS

TYPICAL FLOOR PENETRATIONS FOR MECHANICAL,ELECTRICAL, PLUMBING AND SPRINKLER

Design No. U465
November 22, 2017

Nonbearing Wall Rating — 1 HR.



1. **Floor and Ceiling Runners —** (Not Shown) — Channel shaped runners, 3-5/8 in. deep (min), 1-1/4 in. legs, formed from min No. 25 MSG galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

2. **Steel Studs —** Channel shaped, 3-5/8 in. deep (min), formed from min No. 25 MSG galv steel spaced 24 in. OC max. Studs to be cut 3/4 in. less than assembly height.

3. **Batts and Blankets* —** (Optional) — Mineral wool or glass fiber batts partially or completely filling stud cavity.

See **Batts and Blankets** (BZJZ) category for names of Classified companies.

4. **Gypsum Board* —** 5/8 in. thick, 4 ft wide, attached to steel studs and floor and ceiling track with 1 in. long, Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly. When attached to items 6 (resilient channels) or 6A, 6B or 6C (furring channels), gypsum board is screw attached to furring channels with 1 in. long, Type S steel screws spaced 12 in. OC.
ACADIA DRYWALL SUPPLIES LTD — Type X, 5/8 Type X, Type Blueglass Exterior Sheathing

CERTAINTEED GYPSUM INC — Types 1, EGRG, GlasRoc, Type X, Type X-1, Type C, 5/8" Easi-Lite Type X, Easi-Lite Type X-2

CONTINENTAL BUILDING PRODUCTS OPERATING CO, L L C — Types LGFC2A, LGFC6A, LGFC-C/A, LGFC-WD, LGLLX

NATIONAL GYPSUM CO — Types eXP-C, FSK, FSK-C, FSK-G, FSMR-C, FSW-C, FSW-G, FSW, FSW-3, FSW-5, FSW-6, FSW-8, FSL

PABCO BUILDING PRODUCTS L L C, DBA PABCO GYPSUM — Types PG-C, PG-9, PG-11, PGS-WRS

UNITED STATES GYPSUM CO — Type AR, C, FRX-G, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRC, WRX, USGX (Joint tape and compound, Item 5, optional for use with Type USGX)

4A. **Gypsum Board* —** (As alternate to Item 4) — Nom 5/8 in. thick gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered or backed by steel framing. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally.

4C. **Gypsum Board* —** As an alternate to Items 4, 4A, and 4B — Nom. 5/8 in. thick gypsum panels, with square edges, applied horizontally, Gypsum panels fastened to framing with 1 in. long bugle head steel screws spaced a max 8 in. OC, with last 2 screws 3/4 in. and 4 in. from each edge of board. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs on interior walls need not be staggered or backed by steel framing
GEORGIA-PACIFIC GYPSUM L L C — Type DGG, GreenGlass Type X

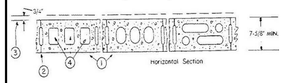
5. **Joint Tape and Compound —** Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

6. **Resilient Channel —** (Optional — Not Shown) — 25 MSG galv steel resilient channels spaced vertically max 24 in. OC, flange

Design No. U905
March 11, 2016

Bearing Wall Rating — 2 HR.

Nonbearing Wall Rating — 2 HR



1. **Concrete Blocks* —** Various designs. Classification D-2 (2 hr). See **Concrete Blocks** category for list of eligible manufacturers.

2. **Mortar —** Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. **Portland Cement Stucco or Gypsum Plaster —** Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).

4. **Loose Masonry Fill —** If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellant vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.

5. **Foamed Plastic* —** (Optional-Not Shown) — 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
DRAWING NUMBER / 1 / A1.1 / SHEET NUMBER — SIM	EXTERIOR ELEVATION INDICATOR	Name / Elevation	ELEVATION INDICATOR
DRAWING NUMBER / A / A1.1 / A / A / SHEET NUMBER	INTERIOR ELEVATION INDICATOR	XX	REVISION MARK
		1	WALL TYPE INDICATOR
DRAWING NUMBER / 1 / A1.1 / SHEET NUMBER — SIM	BUILDING SECTION INDICATOR	ROOM NAME / 101	ROOM TAG SYMBOL
		101	DOOR MARK
DRAWING NUMBER / 1 / A1.1 / SHEET NUMBER — SIM	SECTION DETAIL INDICATOR	#	KEYNOTE MARK
		W3	WINDOW MARK
DRAWING NUMBER / Ref / 1 / A101 / SHEET NUMBER	DETAIL INDICATOR	AC-#	ACCESSORY TAG FOR TOILET ROOMS AND OTHER ROOMS

HATCH LEGEND

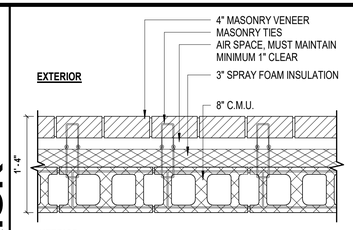
PLAN/SECTION

- BATT INSULATION
- (DIMENSIONAL LUMBER) ROUGH WOOD BLOCKING
- SHIM
- PLYWOOD
- RIGID INSULATION
- GYP. BOARD, GYP. SHEATHING, OR CEMENT BOARD
- FINISH WOOD
- PLASTIC TRIM PRODUCT
- SPRAY FOAM INSULATION
- CONCRETE
- BACK FILL
- UNDISTURBED SOIL/EARTH
- CONCRETE MASONRY UNIT
- GRANULAR FILL/SUB BASE
- STEEL
- GROUT

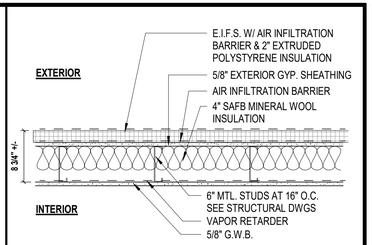
ELEVATION
LEGEND FOR OBSCURE GLASS

- GLASS
- OBSCURE GLASS

EXTERIOR

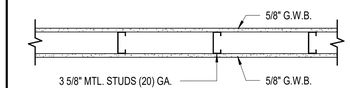


1 WALL TYPE 1
SEE STRUCTURAL DRAWINGS FOR REINFORCING



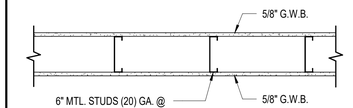
17 WALL TYPE 17
1-HR DESIGN PER UL DESIGN # U465

INTERIOR



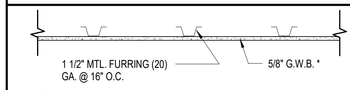
51 WALL TYPE 51

51 SAME AS WALL TYPE 51 EXCEPT 1 HOUR RATED WALL, RUN SMOKETIGHT TO UNDERSIDE OF DECK
1 HR — UL DESIGN # U465

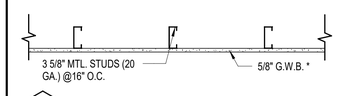


52 WALL TYPE 52

52 SAME AS WALL TYPE 52 EXCEPT 1 HOUR RATED WALL, RUN SMOKETIGHT TO UNDERSIDE OF DECK
1 HR — UL DESIGN # U465

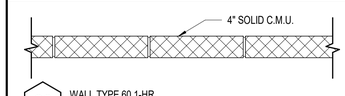


50D WALL TYPE 50D

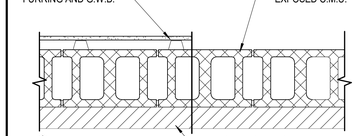


51B WALL TYPE 51B

52B WALL TYPE 52B

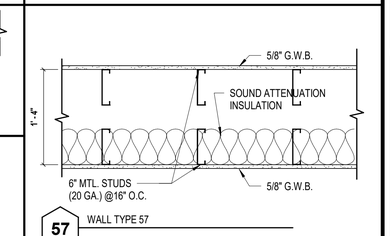


60 WALL TYPE 60 1-HR.
1 HR — PER IBC TABLE 721.1(2) ITEM 3

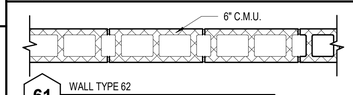


63 WALL TYPE 63

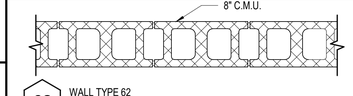
NOTE: EXISTING WALL INFILLS - VERIFY IN FIELD EXISTING WALL THICKNESS - ADJUST C.M.U. THICKNESS IF NECESSARY TAKING INTO ACCOUNT FINISHES ON EACH SIDE OF IN-FILL. FINISH INFILLS TO ALIGN WITH EXISTING WALLS ON BOTH SIDES. FINISH ON EACH SIDE OF INFILL SHALL MATCH EXISTING WALLS ON EACH SIDE. PROVIDE 1-HR RATING WHERE INDICATED PROVIDING FIRE STOPPING AT ALL JOINTS



57 WALL TYPE 57



61 WALL TYPE 62
SEE STRUCTURAL DRAWINGS FOR REINFORCING



62 WALL TYPE 62
SEE STRUCTURAL DRAWINGS FOR REINFORCING

62 SAME AS WALL TYPE 62 EXCEPT 1 HOUR RATED BLOCK, RUN SMOKETIGHT TO BOTTOM OF DECK
1 HR — UL DESIGN # U905

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1802	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

GENERAL NOTES, LEGEND, PARTITION TYPES

DRAWING No.

A0.1

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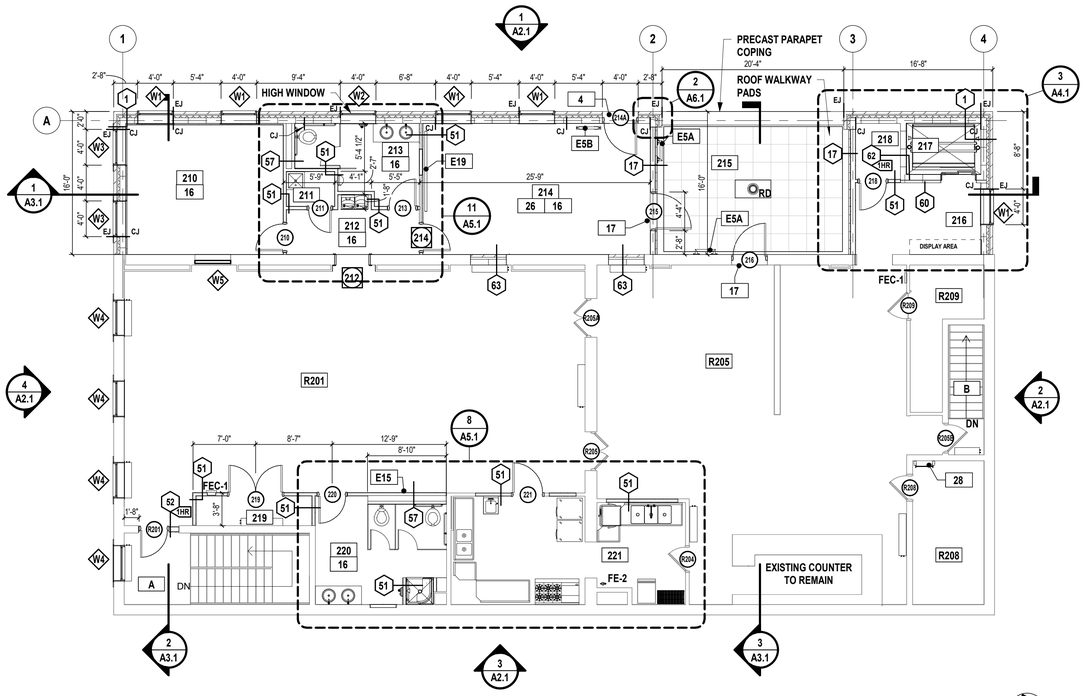
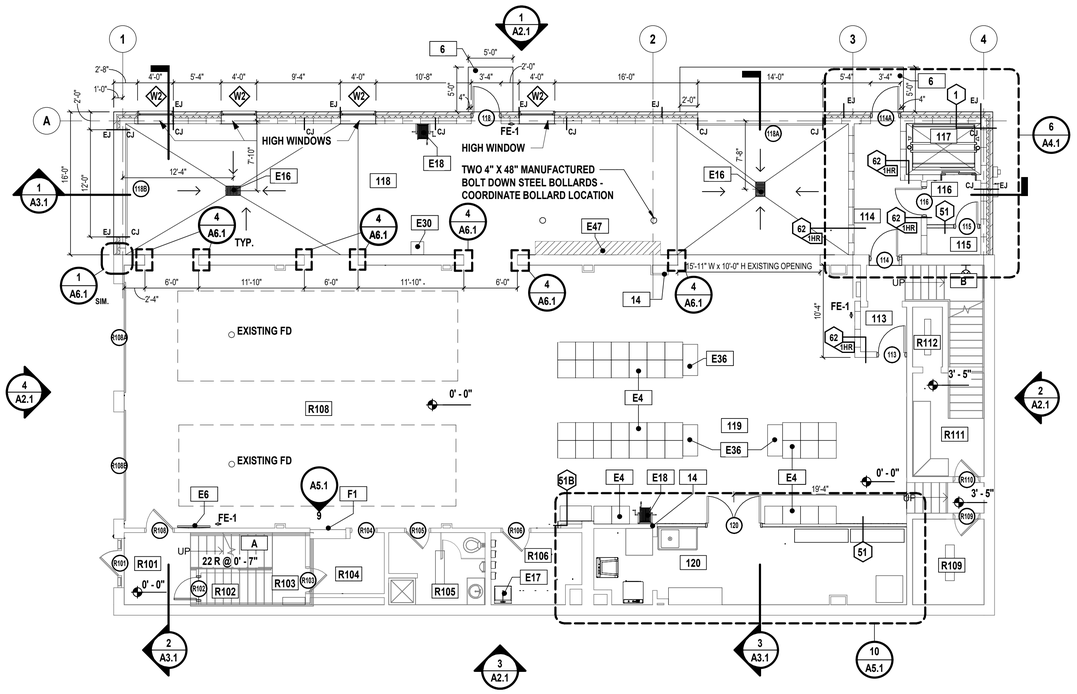


2 SECOND FLOOR PLAN

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



1 FIRST FLOOR PLAN

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

FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ARE NOMINAL.
2. DIMENSIONS ARE TO FACE OF MASONRY OR FACE OF FRAMING
3. FINISH FLOOR ELEVATION, 282.23' ON CIVIL DRAWINGS.
4. ALL PENETRATIONS THROUGH A RATED ASSEMBLY SHALL BE FIRE STOPPED. SEE FIRESTOPPING SPECIFICATION.
5. TYPICAL DIMENSION AT HINGE SIDE OF INTERIOR DOOR IN FRAMED WALLS, U.O.N.

6. SEE ELEVATIONS FOR EXPANSION JOINTS (EJ) IN BRICK & CONTROL JOINT (C.J) IN CMU.
7. SEE STRUCTURAL PLANS FOR SLOPE TO DRAIN.
8. ROUND EDGES OF ALL EXPOSED INTERIOR CORNERS OF C.M.U. WALLS & AT FRAMELESS OPENINGS.
9. LAYOUT OF TOILET FIXTURES AND CLEARANCES ARE SHOWN AS CLEAR DIMENSIONS. CONTRACTORS SHALL BE REQUIRED TO COORDINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE CLEAR DIMENSIONS.
10. WALLS ON COLUMN LINES ARE CENTERED. U.O.N.
11. IT IS INTENDED THAT THE FACE OF EVERY CONTINUOUS PARTITION SHALL BE FLUSH WITHOUT OFFSETS. CHANGES IN PARTITION THICKNESS SHALL OCCUR ONLY AS INDICATED ON FLOOR PLANS.
12. ALL WOOD BLOCKING IN PARTITIONS SHALL BE FIRE RETARDANT TREATED.
13. 'A' ON DOOR SWING INDICATES ACTIVE LEAF

FLOOR PLAN NOTES

4	INSULATED IN-SWINGING DOOR WITH HORIZONTAL AND VERTICAL TIE-OFF RAILS MOUNTED ADJACENT TO WINDOW. SILL IS TO BE DIAMOND PLATE WITH 2X4 MOUNTED ON INTERIOR SIDE BELOW. ANCHOR POINT MOUNTED 2' ABOVE WINDOW HEAD. COORDINATE WITH ARCHITECT FOR LOCATIONS.
6	EXTERIOR CONCRETE PAD AT DOORWAY.
14	EXSITING WATER HOSE CONNECTION
16	SOUND BATT INSULATION TO BE ADDED TO ALL NEW FRAMED WALLS
17	WALL MOUNTED RUNG BELOW DOOR SILL (INTERIOR MOUNTED)
23	NEW CEILING TILES IN EXISTING CEILING GRID
25	REPLACE ALL EXISTING CEILING TILES WITH NEW.
26	FLOOR BOX
27	NEW ROOF ACCESS HATCH AND CURB AT EXISTING ROOF OPENING. PROVIDE ROOF HATCH AND GUARD RAIL SYSTEM.
28	NEW ALUMINUM ROOF ACCESS LADDER WITH SAFETY POST
F1	NEW PLASTIC LAMINATE COUNTER IN FORMER GLAZED OPENING

EQUIPMENT KEYNOTES

E4	MOBILE GEAR LOCKERS (ON WHEELS) BY OWNER. UNLOADED, ASSEMBLED, AND INSTALLED BY GC
E5A	TIE OFF RAIL (WALL MOUNTED)
E5B	TIE OFF RAIL (FLOOR MOUNTED)
E6	WALL MOUNTED TV SCREEN (NIC) LOCATION, PROVIDE POWER, DATA, AND BLOCKING AS REQ'D
E15	RELOCATED BUILDING PLAQUE LOCATION, VERIFY WITH OWNER. PROVIDE BLOCKING IN WALL
E16	NEW INTERIOR CATCH BASIN (SECTION 031000)
E17	NEW UTILITY SINK IN EXISTING LOCATION
E18	HOSE REEL. GROUT CMU CORES AT REEL MOUNTING
E19	WALL MOUNTED PROJECTION SCREEN BY OWNER
E30	SELF CONTAINED EYE WASH STATION
E36	ADA BENCH BY OWNER - INSTALLED BY GC
E47	ELECTRICAL PANEL AREA

Room Schedule

Number	Name
113	EXTENDED STAIR VEST.
114	ENTRANCE
115	CLOSET
116	LOBBY
117	ELEVATOR
118	NEW APPARATUS BAY
119	NEW GEAR AREA
120	EXPANDED LAUNDRY/ STORAGE
210	OFFICE
211	JANITOR'S CLOSET
212	CORRIDOR
213	MEN'S TOILET ROOM
214	TRAINING ROOM
215	TRAINING ROOF
216	ELEV. LOBBY
217	ELEVATOR
218	STORAGE
219	STORAGE
220	WOMEN'S TOILET ROOM
221	KITCHEN
A	EX. STAIR A
B	EX. STAIR B
R101	EX. LOBBY
R102	CLOSET
R103	ELECTRICAL ROOM
R104	EX. RADIO ROOM
R105	EX. BATHROOM
R106	EX. MECHANICAL
R108	EX. BAYS
R109	EX. EGR /STOR.
R110	STORAGE
R111	EX. CHIEF OFFICE
R112	CLOSET
R201	EXISTING MEETING ROOM
R205	EX. MEMBERS ROOM
R208	EX. STORAGE
R209	EX. STORAGE

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PROJECT No:	DATE:	SCALE:
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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

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STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

FIRST AND SECOND FLOOR PLANS

DRAWING No.

A1.1

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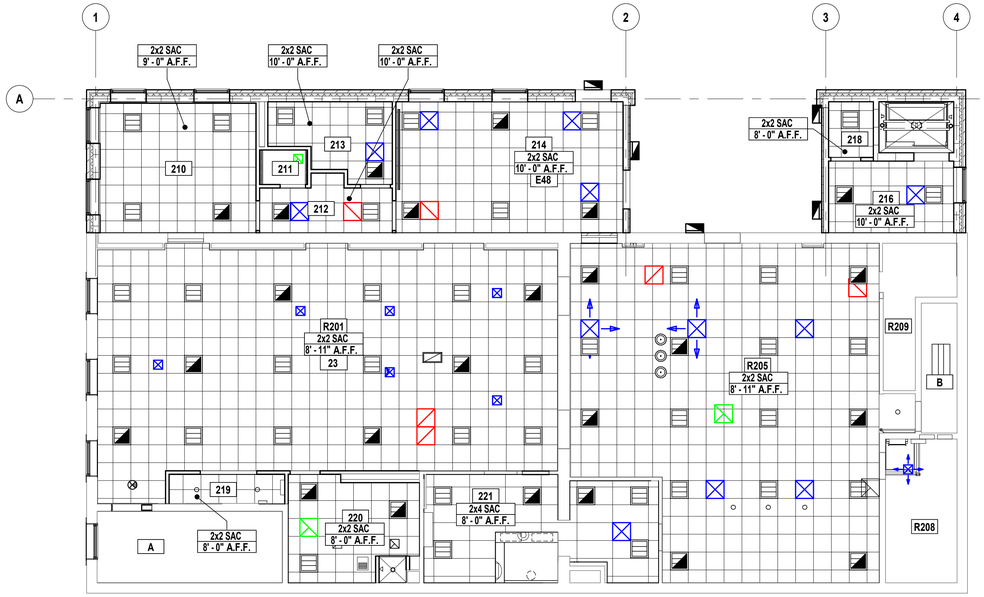
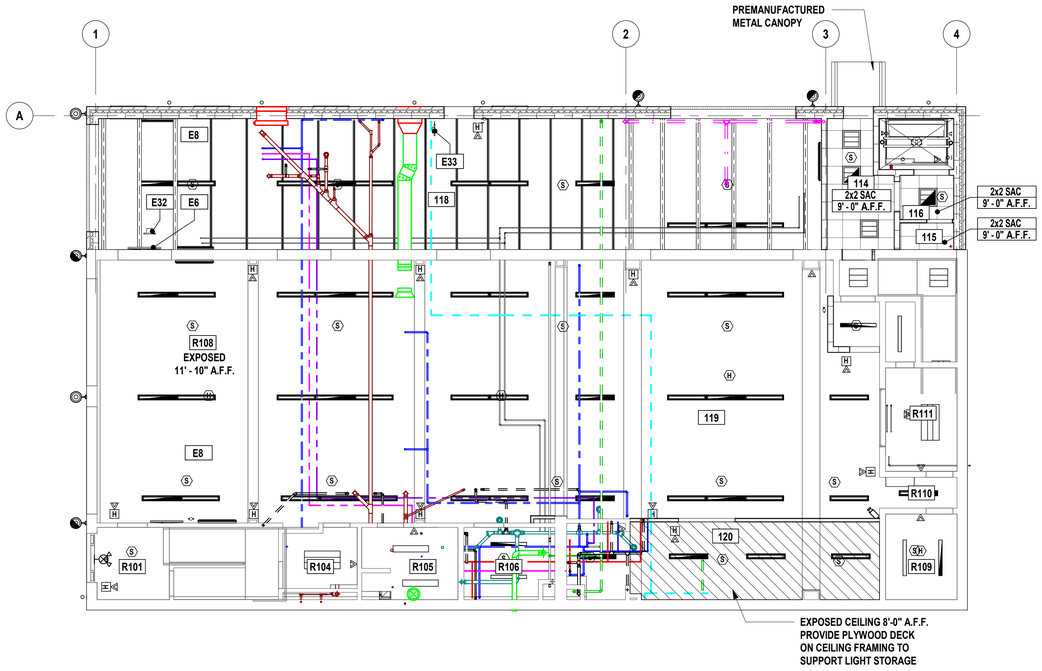


2 SECOND FLOOR CEILING PLAN

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



1 FIRST FLOOR CEILING PLAN

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

Room Schedule

Number	Name
113	EXTENDED STAIR VEST.
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115	CLOSET
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117	ELEVATOR
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119	NEW GEAR AREA
120	EXPANDED LAUNDRY/ STORAGE
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212	CORRIDOR
213	MEN'S TOILET ROOM
214	TRAINING ROOM
215	TRAINING ROOF
216	ELEV. LOBBY
217	ELEVATOR
218	STORAGE
219	STORAGE
220	WOMEN'S TOILET ROOM
221	KITCHEN
A	EX. STAIR A
B	EX. STAIR B
R101	EX. LOBBY
R102	CLOSET
R103	ELECTRICAL ROOM
R104	EX. RADIO ROOM
R105	EX. BATHROOM
R106	EX. MECHANICAL
R108	EX. BAYS
R109	EX. EGR /STOR.
R110	STORAGE
R111	EX. CHIEF OFFICE
R112	CLOSET
R201	EXISTING MEETING ROOM
R205	EX. MEMBERS ROOM
R208	EX. STORAGE
R209	EX. STORAGE

REFLECTED CEILING LEGEND

(NOT ALL SYMBOLS MAY BE USED)

GENERAL:

- 1001 — ROOM NUMBER
- SAC — CEILING MATERIAL
- 8'-0" — CEILING HEIGHT

LIGHTING:

- W — WALL MOUNTED FIXTURE
- SURFACE MOUNTED FIXTURE
- PENDANT MOUNTED FIXTURE
- SURFACE MOUNTED EMERGENCY FIXTURE
- 2'x2' LAY-IN
- 2'x4' LAY-IN
- EXIT LIGHT
- RECESSED DOWN LIGHT

ME&P:

- CLG. DIFFUSER AIR GRILLE
- CLG. RETURN AIR GRILLE
- EXHAUST AIR GRILLE
- CLG. HVAC UNIT SEE MECH. DWGS
- S — SMOKE DETECTOR
- S D — SMOKE DETECTOR AT DUCTWORK
- H — HEAT DETECTOR
- Co — CARBON MONOXIDE DETECTOR
- FSA HORN SPEAKER

NOTE: SEE ELECTRICAL DRAWINGS FOR SPEAKER VOLUME CONTROL SWITCHES.

GENERAL REFLECTED CEILING NOTES:

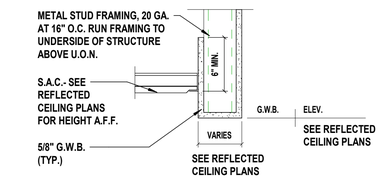
1. PAINT ALL EXPOSED STEEL FRAMING, DUCT WORK, PIPING AND CONDUIT.
2. REFER TO 'H' DRAWINGS FOR ADDITIONAL HVAC INFORMATION.
3. REFER TO 'E' DRAWINGS FOR ADDITIONAL LIGHTING, SENSOR, AND FIRE ALARM INFORMATION.
4. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
5. COORDINATE CEILING LAYOUT PRIOR TO INSTALLATION.
6. ALL CEILING MOUNTED DEVICES IN SAC CEILING SHALL BE CENTERED IN CEILING TILES.
7. ALL G.W.B. IS 5/8" TYPE X U.O.N.

EQUIPMENT KEYNOTES

E6	WALL MOUNTED TV SCREEN (NIC) LOCATION, PROVIDE POWER, DATA, AND BLOCKING AS REQ'D
E8	CEILING MOUNTED SPEAKER, COORDINATE LOCATION WITH OWNER
E32	ELECTRIC DROP WITH CORD REEL BY OWNER
E33	AIR DROP WITH CORD REEL BY OWNER
E48	CEILING MOUNTED PROJECTOR - PROJECTOR BY OWNER

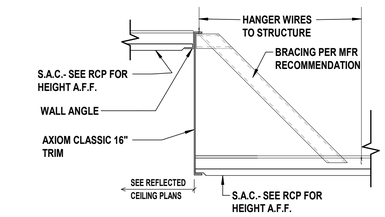
PLAN KEYNOTES

23	NEW CEILING TILES IN EXISTING CEILING GRID



3 TYP. SOFFIT DETAILS

SCALE: 1 1/2" = 1'-0"



4 CEILING TRANSITION DETAIL

SCALE: 1 1/2" = 1'-0"

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REFLECTED CEILING PLANS

DRAWING No.

A1.2

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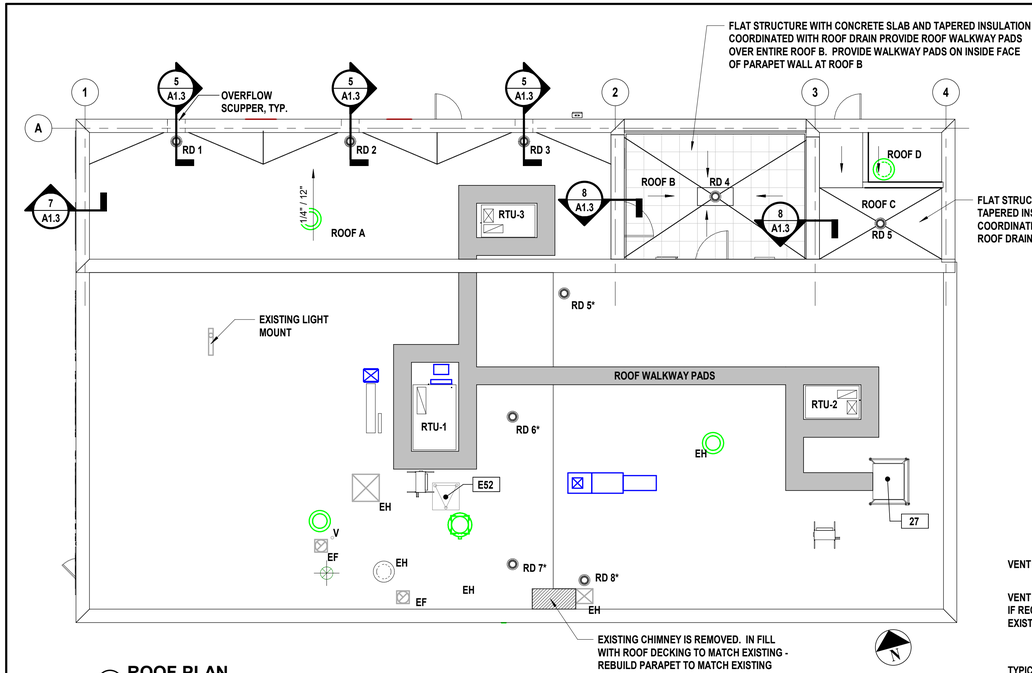
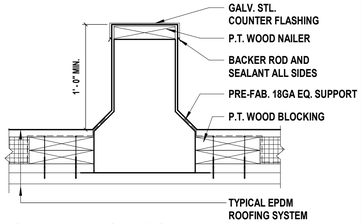


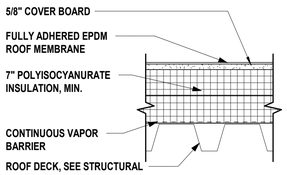
1 ROOF PLAN
SCALE: 1/8" = 1'-0"

EQUIPMENT KEYNOTES	
E52	SCRAPE AND SAND EXISTING ANTENNA TOWER. PRIME AND REPAINT

PLAN KEYNOTES	
27	NEW ROOF ACCESS HATCH AND CURB AT EXISTING ROOF OPENING. PROVIDE ROOF HATCH AND GUARD RAIL SYSTEM.



2 EQUIPMENT SUPPORT
SCALE:1 1/2" = 1'-0"



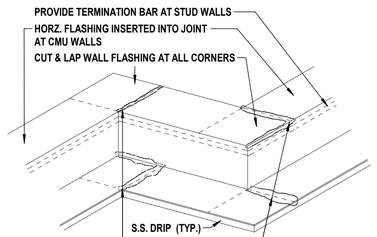
3 TYPICAL EPDM ROOF SYSTEM
SCALE:1 1/2" = 1'-0"

ROOFING NOTES:

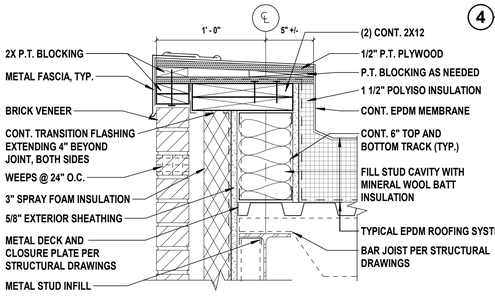
1. THIS DRAWING SERVES AS A DEPICTION OF PRINCIPAL ROOFING ITEMS AND IS NOT A COMPLETE LIST OF EVERY ROOFING ITEM AND ACCESSORY. THIS DRAWING MUST BE COORDINATED WITH ALL OTHER DRAWINGS, ROOF DETAILS AND WITH ALL ITEMS SPECIFIED.
2. THE INTENDED SCOPE OF WORK IS NOTED ON THE PLANS FOR EACH AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS, LABOR, ROOFING ITEMS AND ACCESSORIES SPECIFICALLY INDICATED AND REASONABLE INFERRED WITHIN THE CONTRACT DOCUMENTS.
3. COORDINATE THE WORK REQUIRED ON THIS DRAWING WITH ALL STRUCTURAL, ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS, AND SPECIFICATIONS. COORDINATE EXACT LOCATIONS OF PENETRATIONS TO BE MADE IN ALL ROOFS AND ROOF ASSEMBLIES.
4. CONTRACTOR SHALL REVIEW, COORDINATE, AND INSTALL SLEEVES AND LOCATE ALL MECHANICAL PENETRATIONS REQUIRED TO ACCOMMODATE ALL WORK DETAILED OR SPECIFIED.
5. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FLASHING FOR ALL ROOF PENETRATIONS U.N.O.
6. PROVIDE CRICKETS BEHIND ALL ROOFING ITEMS TO PROVIDE PITCH AND PREVENT CAPTIVE PONDING.
7. CONTRACTOR SHALL FURNISH ALL CURBS AND FLASHING FOR EXHAUST FANS.

ROOFING SYMBOL LEGEND

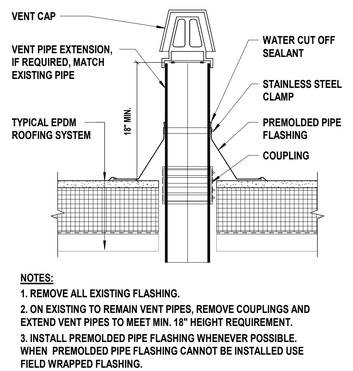
1/4" PER FOOT	ROOF PITCH - 1/4" PER FOOT, MIN. NEW CONSTRUCTION, U.O.N. 1/8" PER FOOT, EXISTING CONSTRUCTION
RTU	ROOF TOP UNIT (TYP.). REFER TO MECHANICAL DRAWINGS
EH	ROOF MOUNTED EXHAUST HOOD (TYP.). REFER TO MECHANICAL DRAWINGS.
V	VENT
	WALKWAY PAD, TYP.
RD - #	ROOF DRAIN
RD - #*	REPLACEMENT ROOF DRAIN WITH EXTENSION
	CONDENSING UNIT PIPING
	GAS PIPING, SEE PLUMBING DRAWINGS
	ROOF LADDER



6 TYP. THROUGH-WALL FLASHING AND TRANSITION FLASHING AT CORNERS AND END DAMS
SCALE: 1 1/2" = 1'-0"



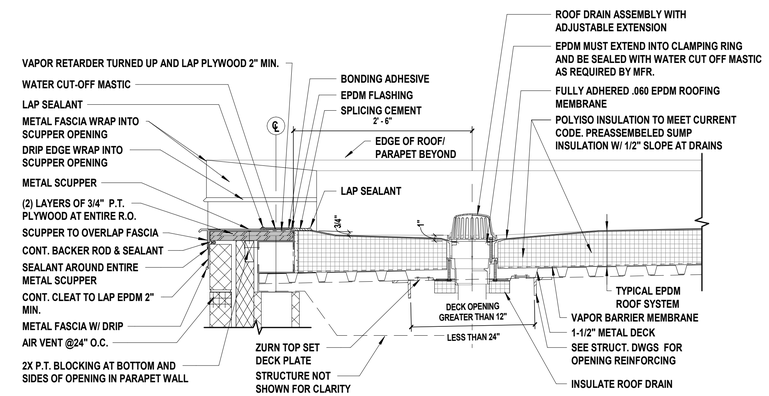
7 TYPICAL PARAPET DETAIL
SCALE:1 1/2" = 1'-0"



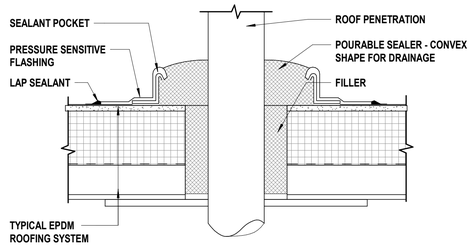
NOTES:
1. REMOVE ALL EXISTING FLASHING.
2. ON EXISTING TO REMAIN VENT PIPES, REMOVE COUPLINGS AND EXTEND VENT PIPES TO MEET MIN. 18" HEIGHT REQUIREMENT.
3. INSTALL PREMOLDED PIPE FLASHING WHENEVER POSSIBLE. WHEN PREMOLDED PIPE FLASHING CANNOT BE INSTALLED USE FIELD WRAPPED FLASHING.

4 VENT PIPE DETAIL
SCALE: 1 1/2" = 1'-0"

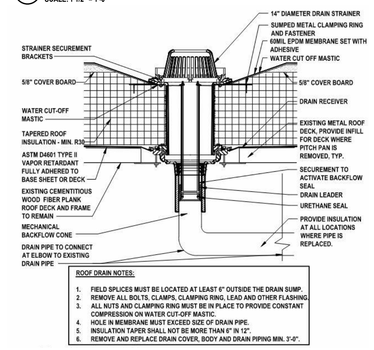
8 EIFS PARAPET
SCALE:1 1/2" = 1'-0"



5 TYPICAL ROOF DRAIN AND OVERFLOW SCUPPER DETAIL
SCALE:1" = 1'-0"

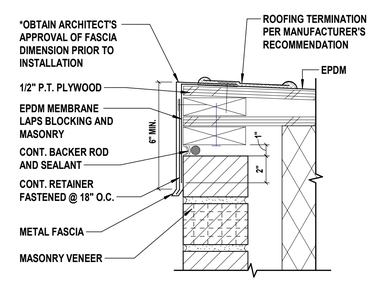


9 TYPICAL PITCH POCKET DETAIL
SCALE: 1 1/2" = 1'-0"

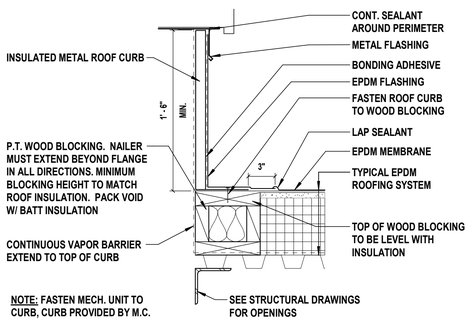


ROOF DRAIN NOTES:
1. FIELD SPLICES MUST BE LOCATED AT LEAST 6" OUTSIDE THE DRAIN SUMP.
2. REMOVE ALL BOLTS, CLAMPS, CLAMPING RING, LEAD AND OTHER FLASHING.
3. ALL NUTS AND CLAMPING RING MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
4. HOLE IN MEMBRANE MUST EXCEED SIZE OF DRAIN PIPE.
5. INSULATION TAPER SHALL NOT BE MORE THAN 6" IN 12".
6. REMOVE AND REPLACE DRAIN COVER, BODY AND DRAIN PIPING MIN. 3'-0".

10 EXISTING ROOF DRAIN EXTENSION
SCALE: 3" = 1'-0"

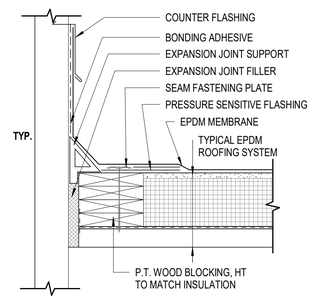


11 TYP. DRIP EDGE DETAIL
SCALE: 3" = 1'-0"

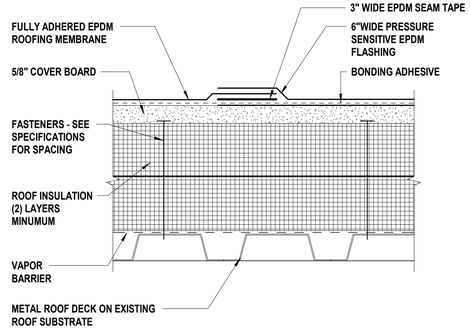


NOTE: FASTEN MECH. UNIT TO CURB, CURB PROVIDED BY M.C.

12 TYPICAL ROOF CURB
SCALE: 1 1/2" = 1'-0"



14 EXPANSION JOINT DETAIL
SCALE: 1 1/2" = 1'-0"



15 TYP. EPDM ROOF DETAIL
SCALE: 3" = 1'-0"

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SHEET TITLE
ROOF PLAN AND DETAILS

DRAWING No.
A1.3

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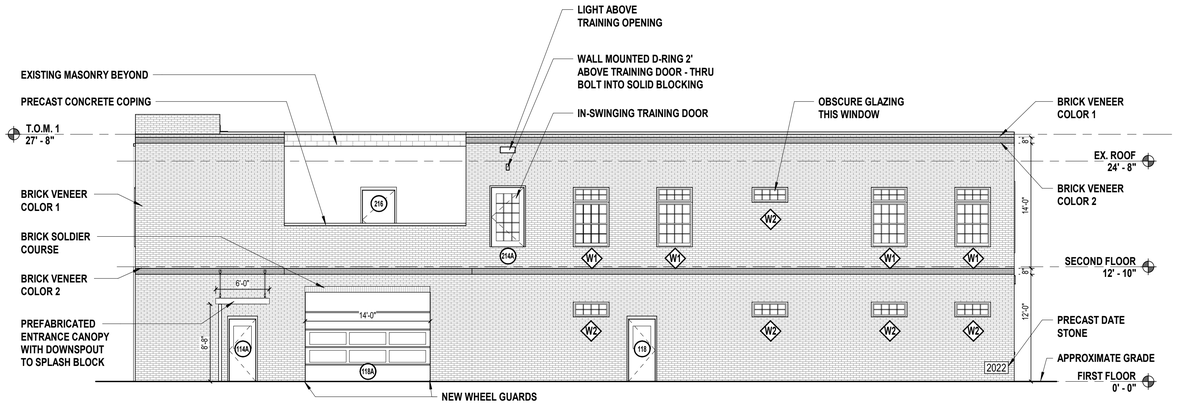
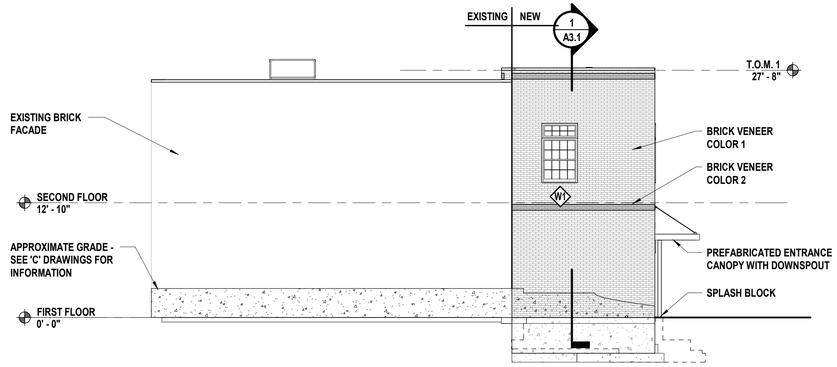
GENERAL NOTES

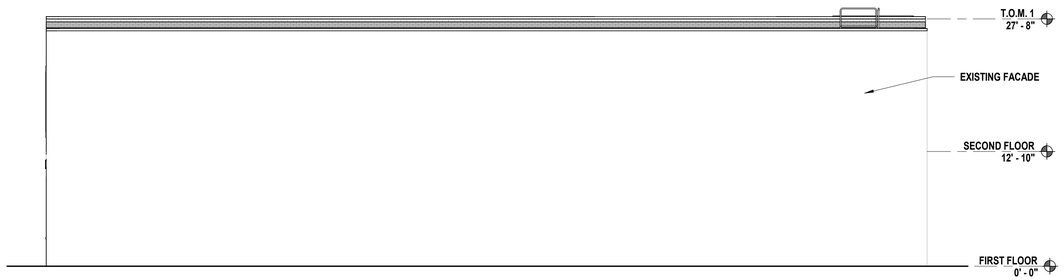
1. COORDINATE EXACT LOCATIONS OF ALL EXTERIOR WALL PENETRATIONS WITH THE APPROPRIATE CONTRACTOR. ITEMS SHOWN ON ELEVATIONS, SECTIONS, ETC. ARE FOR REFERENCE PURPOSES ONLY.
2. SEE STRUCTURAL DRAWINGS FOR BOND BEAM LOCATIONS.



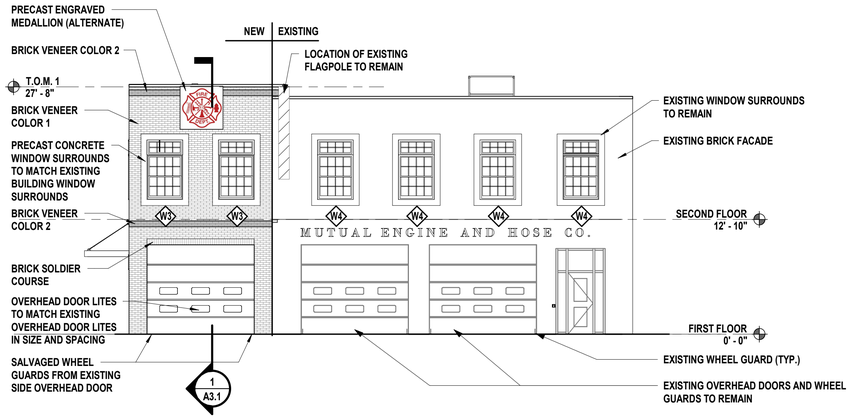
1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"



2 EAST ELEVATION
SCALE: 1/8" = 1'-0"



3 SOUTH ELEVATION (ASSUMED)
SCALE: 1/8" = 1'-0"



4 WEST ELEVATION
SCALE: 1/8" = 1'-0"

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BUILDING ELEVATIONS

DRAWING No.

A2.1

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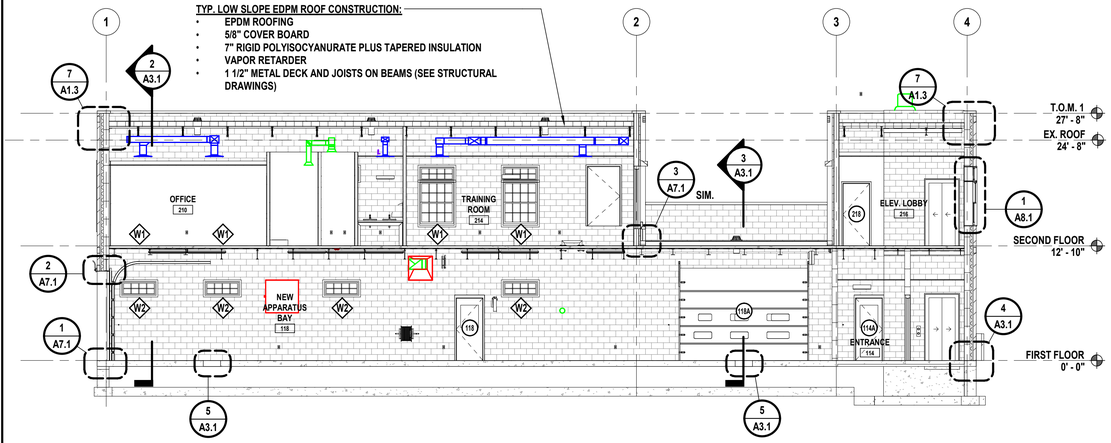
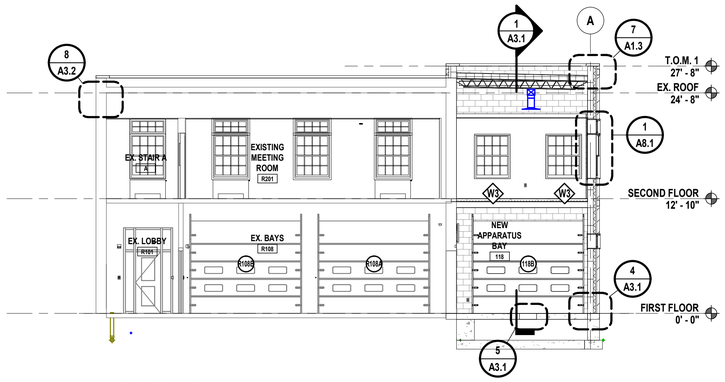


1 BUILDING SECTION 1
SCALE: 1/8" = 1'-0"



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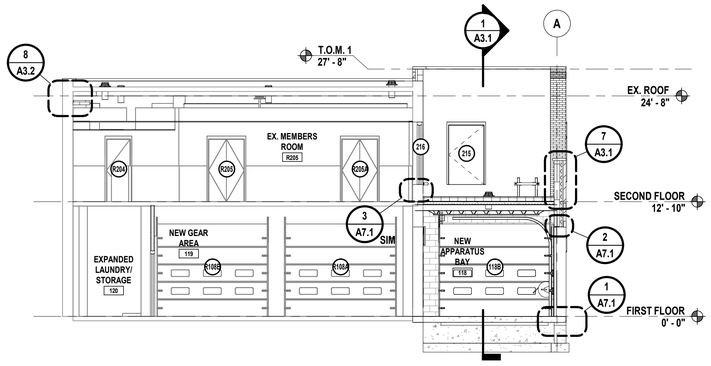

3 BUILDING SECTION 3
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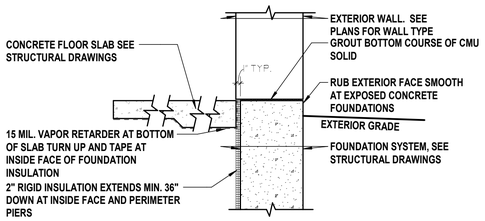
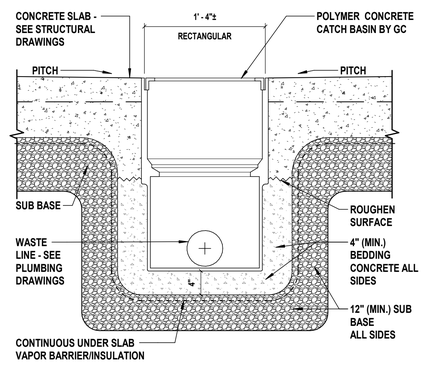
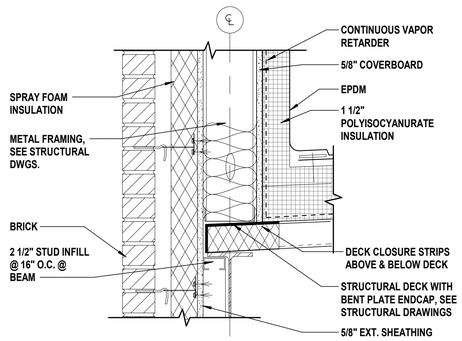


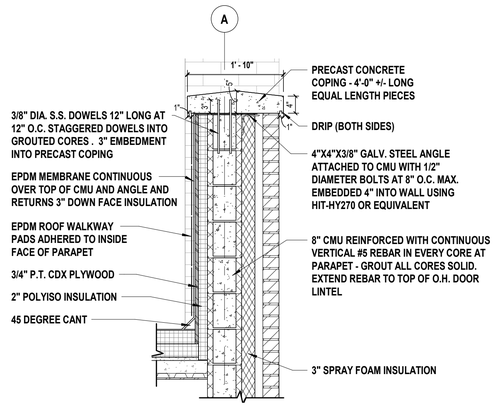
4 TYP. WALL FOUNDATION DETAIL
SCALE: 3/4" = 1'-0"



5 TYP. CATCH BASIN SECTION (APPARATUS BAY)
SCALE: 1" = 1'-0"



6 TYP. TRANSITION DETAIL AT PARAPET
SCALE: 1 1/2" = 1'-0"



7 PARTIAL SECTION @ TRAINING PLATFORM PARAPET
SCALE: 3/4" = 1'-0"

INSULATION TABLE*
PER 2020 ENERGY CONSERVATION CODE OF NEW YORK STATE BASED ON 2018 IECC

TABLES C402.1.3 & C402.1.4 FOR CLIMATE ZONE 4

EXT. ENVELOPE COMPONENT	LOCATION/ DETAIL REF.	REQ'D MIN. R-VALUE PER C402.1.3 U VALUE PER 402.1.4	PROVIDED R-VALUE*	METHOD
UNHEATED SLAB EDGE	4 / A3.1	R-10 FOR 24" BELOW TOP OF SLAB	MIN. R-10 FROM TOP OF SLAB TO 24" BELOW	2" SPRAY FOAM INSULATION ON EXTERIOR FACE TO 24" BELOW TOP OF SLAB
CMU WALLS	WT 1 (A0.1)	R-11.4 C.I.	R - 17.4 C.I.	3" SPRAY FOAM INSULATION WITH MIN. 1" AIR GAP BEHIND BRICK VENEER PER SECTION 1404.6 (TMS402-13)
ROOF W/ INSULATION ABOVE DECK	1 / A3.1	R-30 C.I.	R-39.9+ C.I.	MIN 7" POLYISOCYANURATE (CONTINUOUS) ON LOW-SLOPE ROOFS. + AT ELEVATOR SHAFT TAPERED INSULATION ADDS TO THICKNESS OF INSULATION + TO R-VALUE (NOT CALCULATED)

* VALUES ARE GIVEN FOR INSULATION ONLY, NOT FOR ASSEMBLY

Room Schedule

Number	Name
113	EXTENDED STAIR VEST.
114	ENTRANCE
115	CLOSET
116	LOBBY
117	ELEVATOR
118	NEW APPARATUS BAY
119	NEW GEAR AREA
120	EXPANDED LAUNDRY/ STORAGE
210	OFFICE
211	JANITOR'S CLOSET
212	CORRIDOR
213	MEN'S TOILET ROOM
214	TRAINING ROOM
215	TRAINING ROOF
216	ELEV. LOBBY
217	ELEVATOR
218	STORAGE
219	STORAGE
220	WOMEN'S TOILET ROOM
221	KITCHEN
A	EX. STAIR A
B	EX. STAIR B
R101	EX. LOBBY
R102	CLOSET
R103	ELECTRICAL ROOM
R104	EX. RADIO ROOM
R105	EX. BATHROOM
R106	EX. MECHANICAL
R108	EX. BAYS
R109	EX. EGR /STOR.
R110	STORAGE
R111	EX. CHIEF OFFICE
R112	CLOSET
R201	EXISTING MEETING ROOM
R205	EX. MEMBERS ROOM
R208	EX. STORAGE
R209	EX. STORAGE

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Latham, NY 12110
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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	

PROJECT No:	DATE:	SCALE:
MKIV1802	12-13-2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

CONTRACT
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GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
BUILDING SECTIONS

DRAWING No.
A3.1

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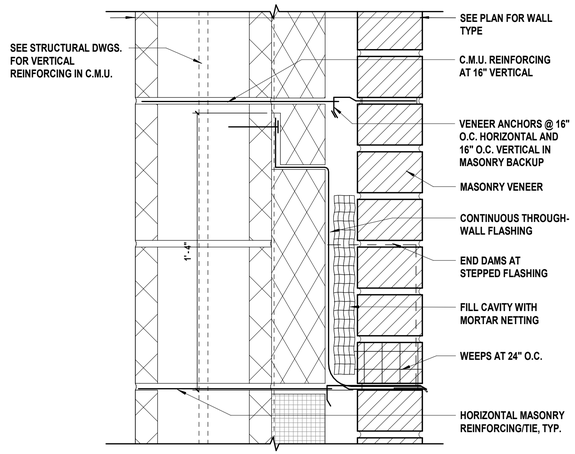
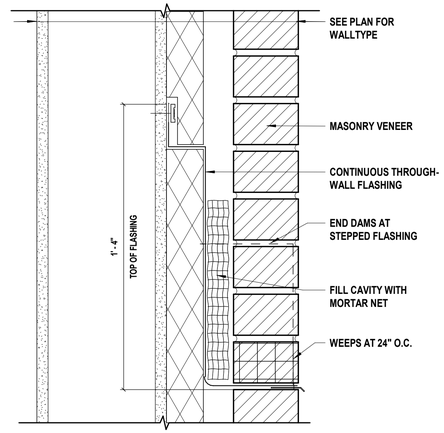
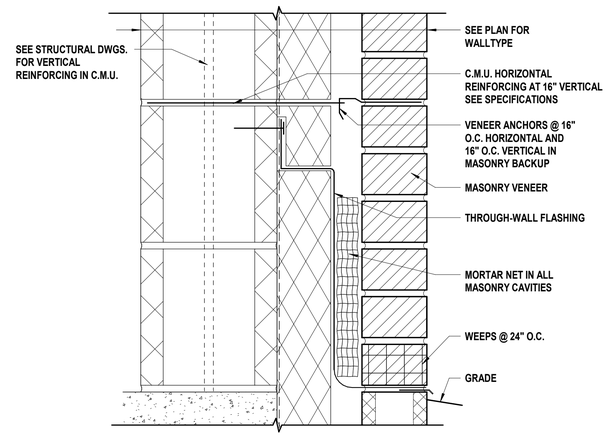


1 TYP. THROUGH WALL FLASHING @ C.M.U. WALL
SCALE: 3" = 1'-0"



2 TYP. THROUGH WALL FLASHING @ STUD WALL
SCALE: 3" = 1'-0"



3 TYP. BASE OF WALL FLASHING @ C.M.U. WALL
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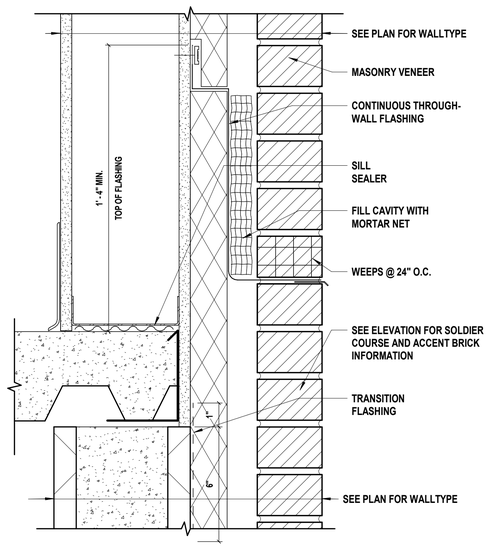
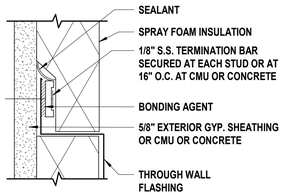
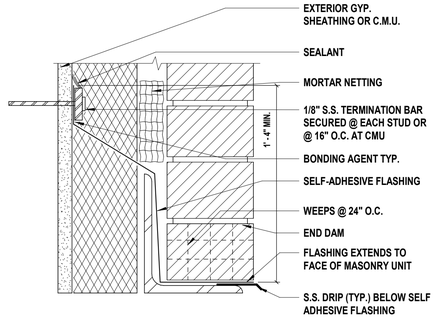


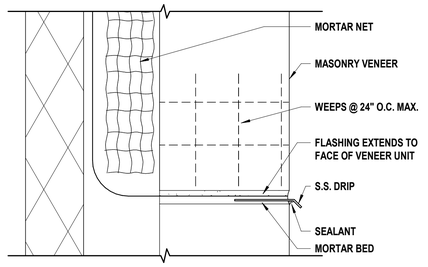
4 TYP. TROUGH WALL FLASHING @ WALL TRANSITION
SCALE: 3" = 1'-0"



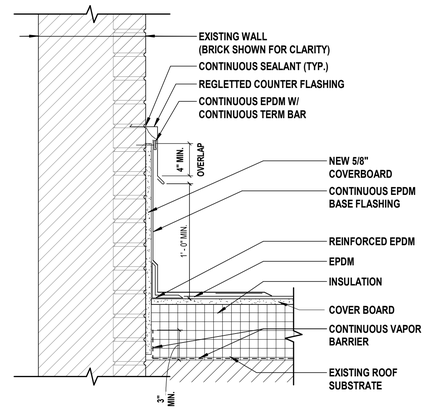
5 TYP. TERMINATION BAR DETAIL
SCALE: 6" = 1'-0"



6 TYP. WALL FLASHING AT LINTEL ANGLE
SCALE: 1" = 1'-0"



7 TYP. FLASHING TERMINATION DETAIL
SCALE: 6" = 1'-0"



8 COUNTERFLASHING AT EXISTING BRICK
SCALE: 1 1/2" = 1'-0"

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EJN	CAO	LLC	

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VILLAGE OF MOUNT KISCO

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99 MAIN STREET
MOUNT KISCO NY 10549

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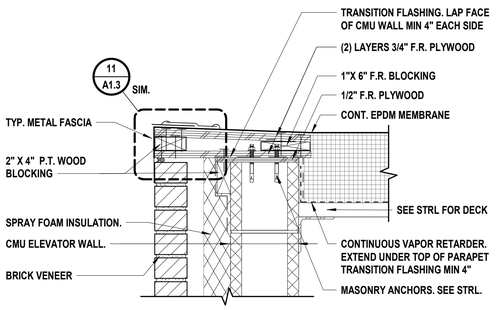
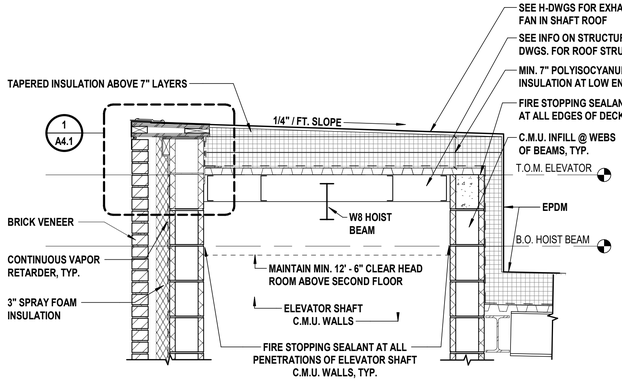
SHEET TITLE
WALL DETAILS

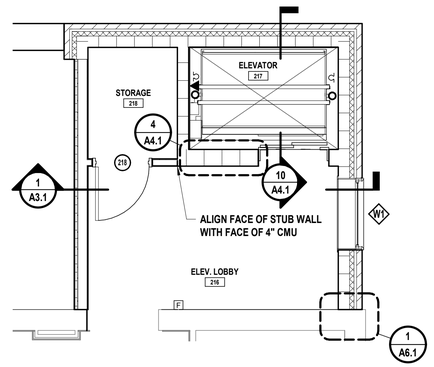
DRAWING No.
A3.2



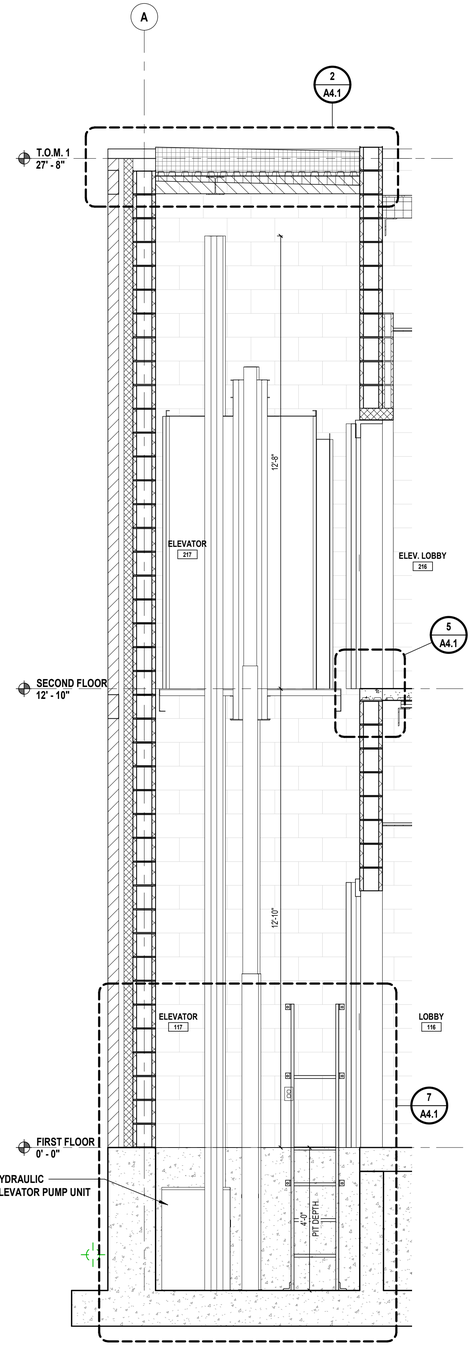
1 TYP. ROOF EDGE AT ELEVATOR
SCALE: 1 1/2" = 1'-0"

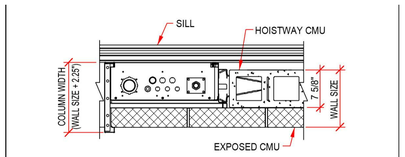


2 TOP OF ELEVATOR SHAFT DETAIL
SCALE: 3/4" = 1'-0"



3 ENLARGED LOBBY PLAN - 2ND FLOOR
SCALE: 1/4" = 1'-0"

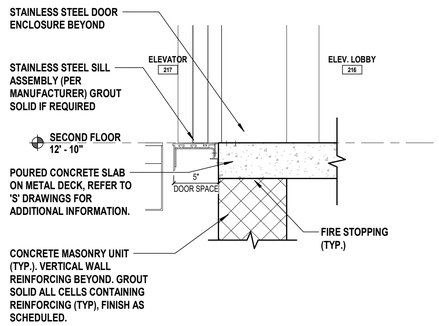




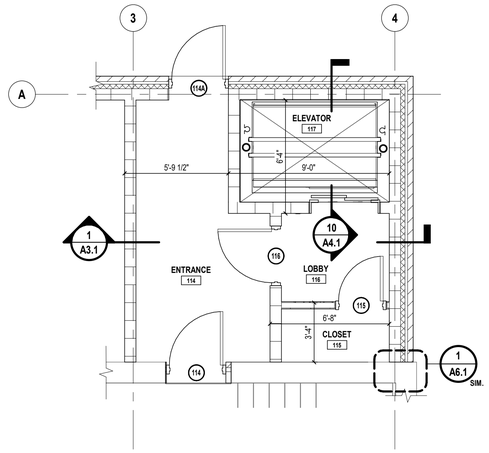
LOBBY SIDE
FRONT WALL CONDITION FOR EXPOSED MASONRY

NOTES:
GENERAL CONTRACTOR RESPONSIBLE FOR HOISTWAY REINFORCING AT FLOOR SLAB BEFORE INSTALLATION OF ENTRANCE FRAMES. MINIMUM OF 4" HIGH X 8" WIDE REINFORCED CONCRETE, REINFORCED OF OPENING REQUIRED FOR ANCHORING SILL SUPPORT ASSEMBLY, REINFORCING TO BE LOCATED WITH RESPECT TO REACTION POINTS, REFERENCE INSTALLATION DRAWINGS ARE AVAILABLE UPON REQUEST.

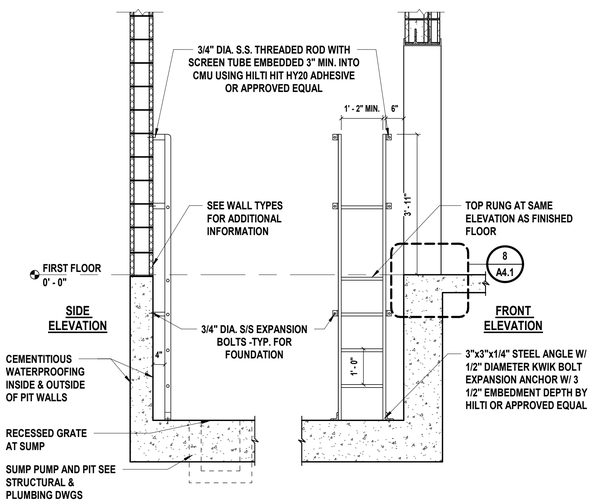
REACTIONS (LBS.) DUE TO LOADS ON DOOR PANELS, APPROX. HORIZONTAL LOADS AND LOCATION TO BUILDINGS SHOWN PER ASME A17.1 PART II,
THE SPECIFIED LOADS ARE CONSIDERED IMPACTED.



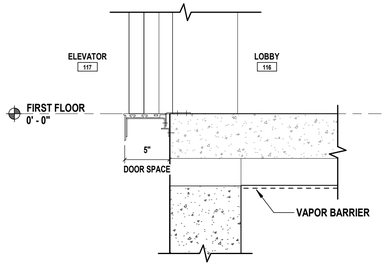
5 SECOND FLOOR ELEVATOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"



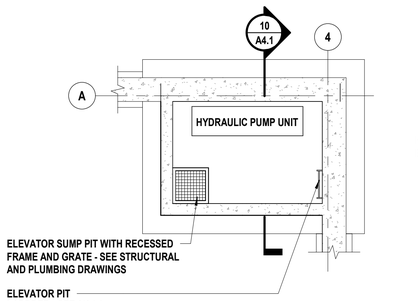
6 ENLARGED LOBBY PLAN - 1ST FLOOR
SCALE: 1/4" = 1'-0"



7 ELEVATOR PIT LADDER
SCALE: 1/2" = 1'-0"



8 FIRST FLOOR ELEVATOR SILL DETAIL
SCALE: 1 1/2" = 1'-0"



9 ELEVATOR PIT PLAN
SCALE: 1/4" = 1'-0"

NOTE: COORDINATE SUMP PIT LOCATIONS WITH APPROVED ELEVATOR SHOP DRAWINGS

10 ELEVATOR SHAFT SECTION
SCALE: 1/2" = 1'-0"

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Latham, NY 12110
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SHEET TITLE
ENLARGED ELEVATOR PLANS AND DETAILS

DRAWING No.
A4.1

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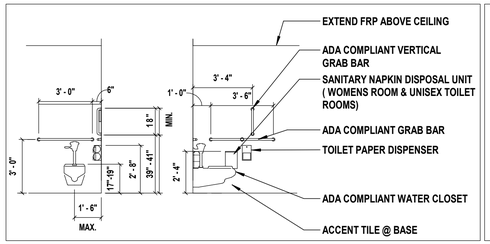
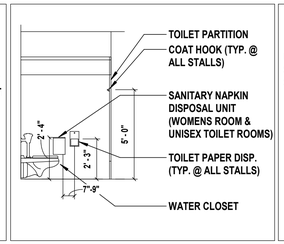
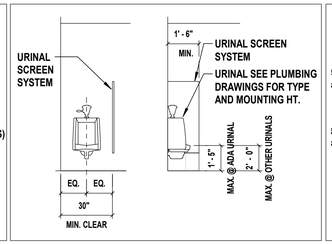


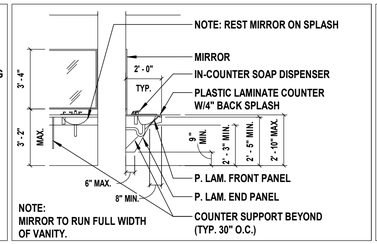
ACCESSIBLE TOILET



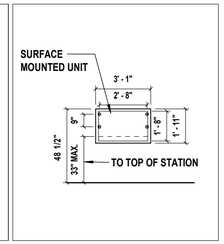
TYPICAL TOILET STALL



ACCESSIBLE URINAL



TYPICAL VANITY AREA



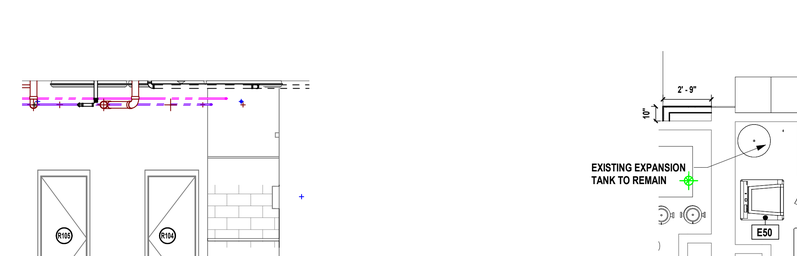
DIAPER CHANGING STATION

NOTES:

ALL DIMENSIONS IN THIS DETAIL ARE MEASURED OFF FINISHED WALL SURFACES. U.N.O. SEE REFLECTED CEILING PLANS FOR TOILET ROOM HEIGHTS. ALL FRP SHALL EXTEND ABOVE THE CEILING (U.O.N.). COORDINATE W/ CEILING INSTALLER

1 TYPICAL TOILET ROOM ELEVATIONS

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



ACCESSIBLE SHOWER STALL

NOTES:

ALL DIMENSIONS IN THIS DETAIL ARE MEASURED OFF FINISHED WALL SURFACES. U.N.O. SEE REFLECTED CEILING PLANS FOR TOILET ROOM HEIGHTS. ALL FRP SHALL EXTEND ABOVE THE CEILING (U.O.N.). COORDINATE W/ CEILING INSTALLER

2 TYPICAL SHOWER ELEVATIONS

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

BATHROOM ACCESSORIES

Item No.	Description
AC3	MIRROR
AC4	LAVATORY MOUNTED SOAP DISPENSER
AC5	HAND DRYER, SEE "E" DRAWINGS
AC7	TOILET PAPER DISPENSER
AC8	GRAB BARS
AC9	SANITARY NAPKIN DISPOSAL
AC10	DRINKING FOUNTAIN, SEE "P" DWGS.
AC13	ROBE HOOKS
AC14	DIAPER CHANGING STATION
AC16	URINAL SCREEN
AC17	TOILET PARTITION SYSTEM

EQUIPMENT KEYNOTES

E14	MOP SINK
E23	WORK BENCH BY OWNER
E24	6' WIRE MOLD
E26	NEW GEAR EXTRACTOR BY OWNER. GC TO PROVIDE SERVICES, INSTALL UNIT AND MAKE ALL CONNECTIONS.
E31	ROLLING DRYING RACKS BY OWNER
E33	AIR DROP WITH CORD REEL BY OWNER
E38	SINGLE COMPARTMENT SINK WITH SIDEBOARD
E49	EXISTING GEAR DRYING CABINET. GC TO ROTRATE 90 DEGREES COUNTER-CLOCKWISE AND RECONNECT DUCT.
E50	EXISTING RESIDENTIAL WASHING MACHINE
E51	EXISTING RESIDENTIAL DRYER

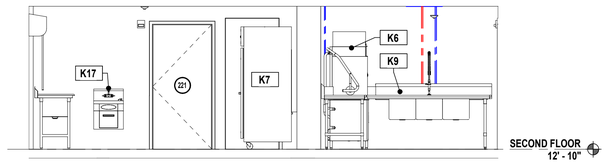
TOILET/SHOWER ROOM KEYNOTES

Item No.	Description
T2	TWIN SINKS IN P-LAM COUNTERTOP
T3	ACCESSIBLE TOILET
T4	TOILET
T6	URINAL
T7	ACCESSIBLE SHOWER STALL

KITCHEN EQUIPMENT LEGEND

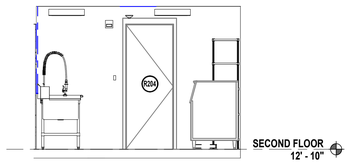
Item No.	Description
K1	EXISTING RANGE AND OVENS TO BE RELOCATED
K5	EXISTING ICE MACHINE
K6	DISHWASHER BY OWNER
K7	FREEZER BY OWNER
K9	3 COMPARTMENT SINK BY OWNER
K11	SHELVING BY OWNER
K13	ANSUL SYSTEM + HOOD, SEE H DRAWINGS
K14	WORK TABLE BY OWNER
K15	REFRIGERATOR BY OWNER
K17	HAND SINK BY OWNER
K21	2 COMPARTMENT SINK BY OWNER

NOTE: EXISTING EQUIPMENT SHALL BE DISCONNECTED, STORED, PROTECTED, RE-LOCATED, AND RECONNECTED IN NEW LOCATIONS BY GC. KITCHEN EQUIPMENT LISTED BY OWNER IS FURNISHED AND INSTALLED BY OWNER WITH FINAL UTILITY CONNECTIONS BY GC



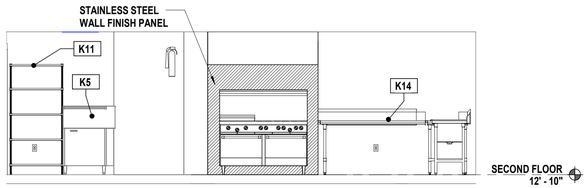
4 KITCHEN NORTH ELEVATION

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



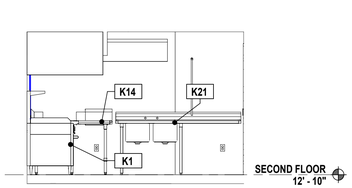
5 KITCHEN EAST ELEVATION

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



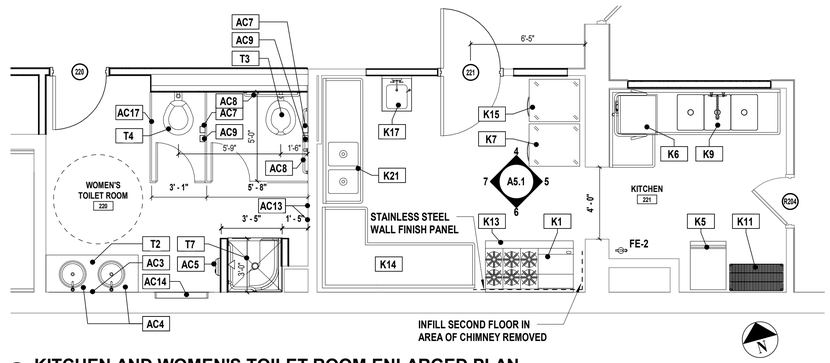
6 KITCHEN SOUTH ELEVATION

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



7 KITCHEN WEST ELEVATION

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

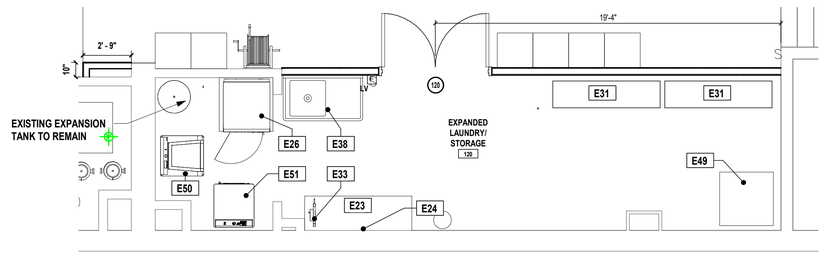


8 KITCHEN AND WOMEN'S TOILET ROOM ENLARGED PLAN

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

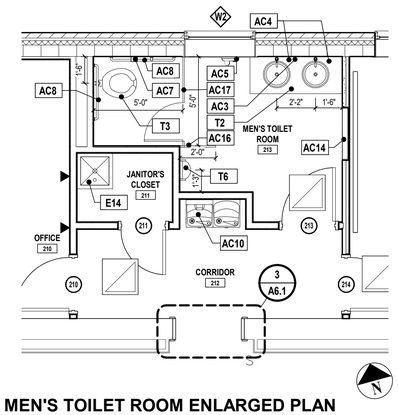
9 RADIO ROOM ELEVATION

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



10 LAUNDRY ROOM ENLARGED PLAN

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



11 MEN'S TOILET ROOM ENLARGED PLAN

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

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

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SHEET TITLE

ENLARGED PLANS, INTERIOR ELEVATIONS

DRAWING No.

A5.1

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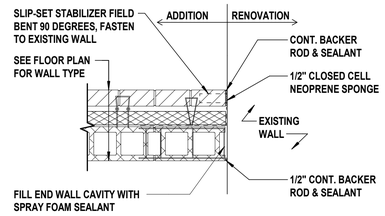
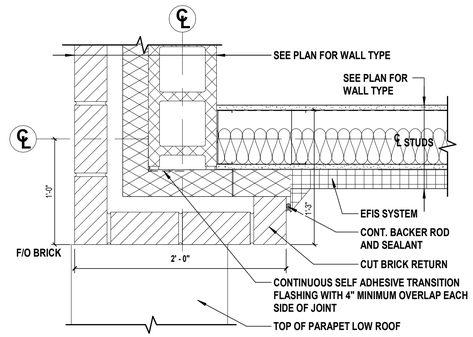


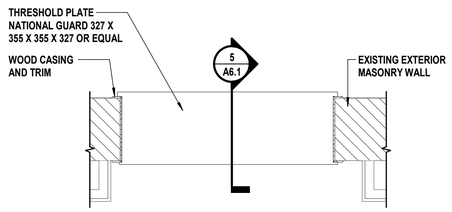
1 PLAN DETAIL @ INTERSECTION OF EXISTING/NEW WALL

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



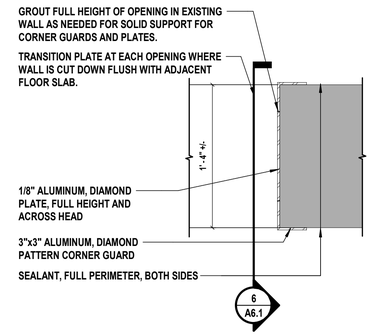
2 TRANSITION AT TRAINING PLATFORM WALL

SCALE: 1 1/2" = 1'-0"



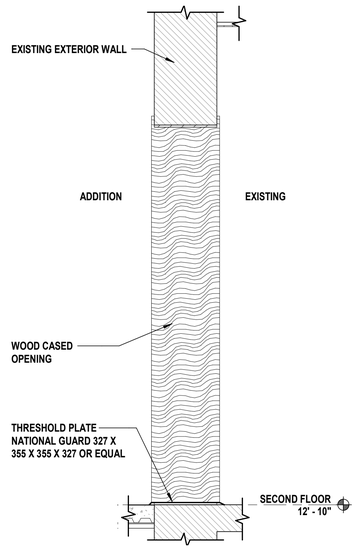
3 TYP CASED OPENING PLAN AT EXISTING WALL

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



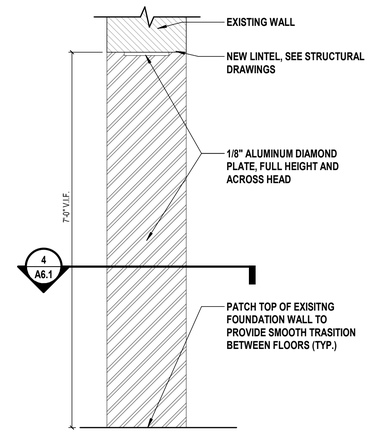
4 TYP. BAY WALL OPENING PLAN

SCALE: 1 1/2" = 1'-0"



5 SECTION THROUGH WOOD CASED OPENING

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



6 TYP. BAY WALL OPENING SECTION

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

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PLAN AND SECTION DETAILS

DRAWING No.

A6.1

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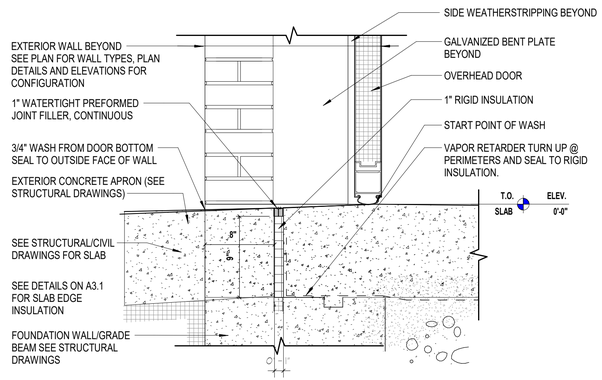
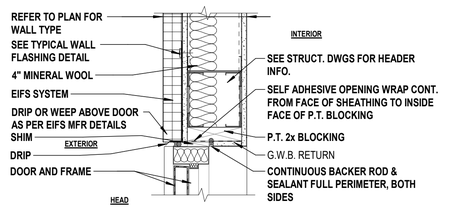


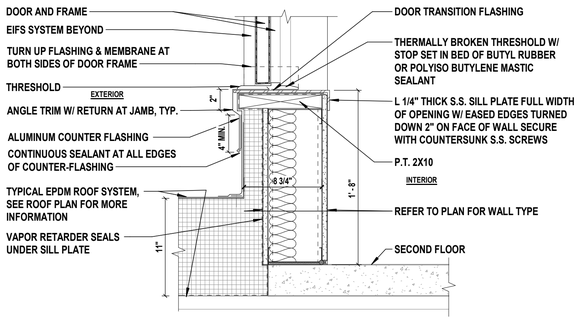
1 TYP. OVERHEAD DOOR THRESHOLD

SCALE: 1 1/2" = 1'-0"

2 TYP. OVERHEAD DOOR LINTEL

SCALE: 1" = 1'-0"





3 ROOF ACCESS DOOR DETAIL

SCALE: 1 1/2" = 1'-0"

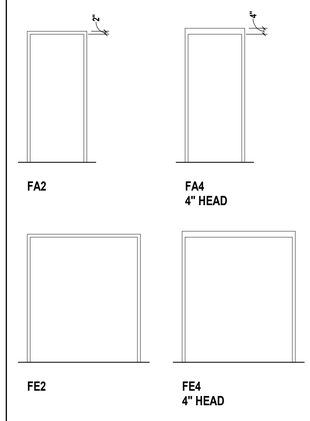
DOOR SCHEDULE

DOOR #	LOCATION FROM	LOCATION TO	DOOR HEIGHT	DOOR WIDTH	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	HARDWARE	FIRE RATING	REMARKS	DOOR NUMBER
113	119	113	7' - 0"	3' - 0"	D	HM.	FA4	02	1-HR	KERF FRAME	113
114	B	114	7' - 0"	3' - 0"	D	HM.	FA4	01	1-HR		114
114A	114	EXT.	7' - 0"	3' - 0"	B	INSUL. HM.	FA4	01		THERMALLY BROKEN FRAME	114A
115	115	116	7' - 0"	2' - 6"	A	S.C. WD.	FA2	05			115
116	116	114	7' - 0"	3' - 0"	D	S.C. WD.	FA4	03	1-HR		116
118	118	EXT.	7' - 0"	3' - 0"	B	INSUL. HM.	FA4	01		THERMALLY BROKEN FRAME	118
118A	EXT.	118	10' - 0"	14' - 0"	X	-	-	-		NEW OVERHEAD DOOR	118A
118B	EXT.	118	10' - 0"	12' - 0"	X	-	-	-		NEW OVERHEAD DOOR	118B
120	119	120	7' - 0"	3' - 0"	DD	HM.	FE2	09			120
210	212	210	7' - 0"	3' - 0"	A	S.C. WD.	FA2	06			210
211	212	211	7' - 0"	2' - 6"	U	S.C. WD.	FA2	04			211
212	212	R201	7' - 0"	4' - 0"	-	-	-	-		OPENING ONLY - NO DOOR OR FRAME. SEE A6.1	212
213	213	212	7' - 0"	3' - 0"	U	S.C. WD.	FA2	07			213
214	212	214	7' - 0"	3' - 0"	D	S.C. WD.	FA2	06			214
214A	214		6' - 8"	3' - 8"	E	INSUL. HM.	FE2	11		TRAINING DOOR - THERMALLY BROKEN FRAME	214A
215	214		6' - 8"	4' - 0"	D	INSUL. HM.	FA2	08		DOOR TO TRAINING ROOF - THERMALLY BROKEN FRAME	215
216		R205	6' - 8"	3' - 8"	B	INSUL. HM.	FA2	08		DOOR TO TRAINING ROOF - THERMALLY BROKEN FRAME	216
218	218	214	7' - 0"	3' - 0"	A	S.C. WD.	FA2	05			218
219	R201	219	7' - 0"	3' - 0"	AA	S.C. WD.	FE2	09			219
220	R201	220	7' - 0"	3' - 0"	A	S.C. WD.	FA2	07			220
221	221	R201	7' - 0"	3' - 4"	D	S.C. WD.	FE2	10		DOUBLE SWING DOOR	221
R101	EXT.	R101	6' - 10 3/4"	2' - 9 1/2"	EXIST.	EXIST.	EXIST.	EXIST.			R101
R102	R101	R102	6' - 8"	2' - 6"	EXIST.	EXIST.	EXIST.	EXIST.			R102
R103	R103	R104	7' - 0"	2' - 8"	EXIST.	EXIST.	EXIST.	EXIST.			R103
R104	R108	R104	7' - 0"	2' - 8"	EXIST.	EXIST.	EXIST.	EXIST.			R104
R105	R108	R105	7' - 0"	2' - 7"	EXIST.	EXIST.	EXIST.	EXIST.			R105
R106	R108	R106	7' - 0"	3' - 0"	EXIST.	EXIST.	EXIST.	EXIST.			R106
R108	R108	R101	7' - 0"	3' - 0"	EXIST.	EXIST.	EXIST.	EXIST.			R108
R108A	EXT.	R108	10' - 0"	12' - 0"	EXIST.	EXIST.	EXIST.	EXIST.			R108A
R108B	EXT.	R108	10' - 0"	12' - 0"	EXIST.	EXIST.	EXIST.	EXIST.			R108B
R109	R109	R110	7' - 0"	2' - 8"	EXIST.	EXIST.	EXIST.	EXIST.			R109
R110	R110	R111	7' - 0"	2' - 8"	EXIST.	EXIST.	EXIST.	EXIST.			R110
R201	R201	A	7' - 0"	3' - 0"	D	S.C. WD.	FA2	03	1-HR		R201
R204	R205	221	7' - 0"	2' - 8"	EXIST.	EXIST.	EXIST.	EXIST.			R204
R205	R205	R201	7' - 0"	2' - 0"	EXIST.	EXIST.	EXIST.	EXIST.			R205
R205A	R201	R205	7' - 0"	2' - 0"	EXIST.	EXIST.	EXIST.	EXIST.			R205A
R205B	R205	B	7' - 0"	3' - 0"	EXIST.	EXIST.	EXIST.	EXIST.		REPLACE LOCKSET WITH ADA LOCKSET - ADD KICKPLATE TO DOOR	R205B
R208	R208	R205	7' - 0"	2' - 8"	EXIST.	EXIST.	EXIST.	EXIST.			R208
R209	R205	R209	7' - 0"	3' - 0"	EXIST.	EXIST.	EXIST.	EXIST.			R209

GENERAL DOOR DETAIL NOTES:

1. ALL DOOR DETAILS ARE DIAGRAMMATIC AND MAY NOT REPRESENT EVERY COMPONENT TO EACH WALL SYSTEM INCLUDING BUT NOT LIMITED TO ANCHORS, FASTENERS, FINISHES, WATERPROOFING, ETC. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE ALL COMPONENTS WITH EACH RESPONSIBLE TRADE.
2. REFER TO THE PROJECT MANUAL FOR ADDITIONAL INFORMATION REGARDING WALL SYSTEMS AND COMPONENTS.
3. REFER TO DRAWING A0.1 FOR WALL TYPE LEGEND AND ADDITIONAL INFORMATION.
4. ALL FIRE RATED LOCATIONS SHALL COMPLY WITH 2018 INTERNATIONAL BUILDING CODE. GYPSUM WALLS THAT ARE FIRE RATED SHALL UTILIZE 5/8" TYPE 'X' GYPSUM BOARD. SEE WALL TYPES FOR COMPLIANT 'UL' NUMBERS.
5. EXISTING DOOR FRAME AND/OR DOOR THAT REMAIN ARE TO BE SANDED AND REPAINTED.

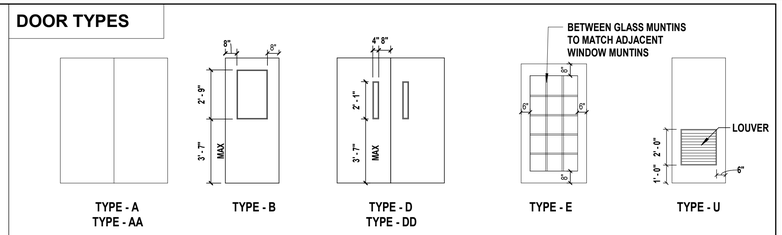
DOOR FRAMES

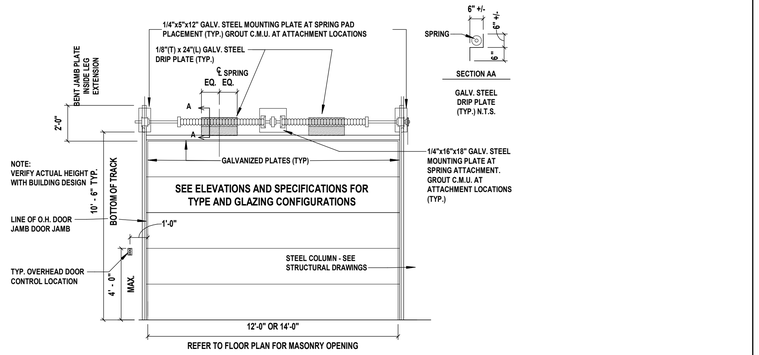


INTERIOR HOLLOW METAL DOOR FRAME SCHEDULE, UON

INTERIOR CMU:	FRAME SIZE:
8" CMU	5 3/4" WIDE
12" CMU	7 3/4" WIDE

DOOR TYPES





TYPE - X

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VILLAGE OF MOUNT KISCO

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DOOR SCHEDULE, FRAMES & TYPES

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A7.1

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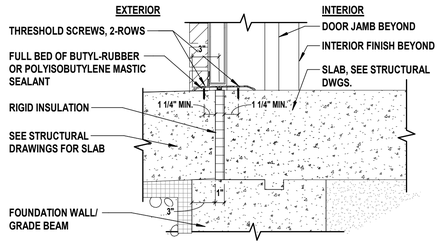
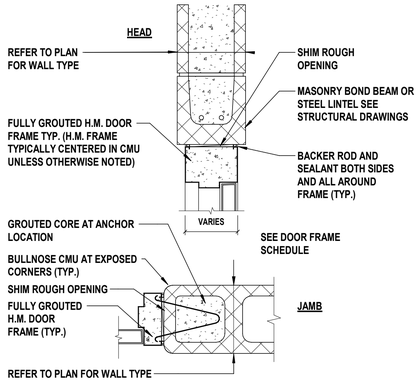


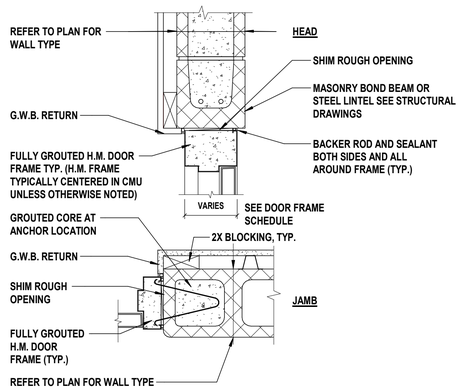
1 TYPICAL EXTERIOR MAN DOOR THRESHOLD

SCALE: 1 1/2" = 1'-0"

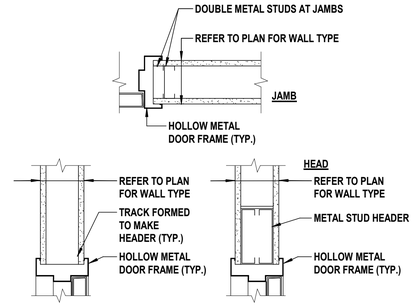


2 TYP. H.M. DOOR FRAME AT INTERIOR C.M.U. WALL

SCALE: 1 1/2" = 1'-0"

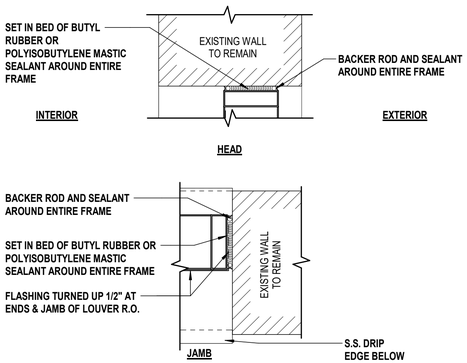


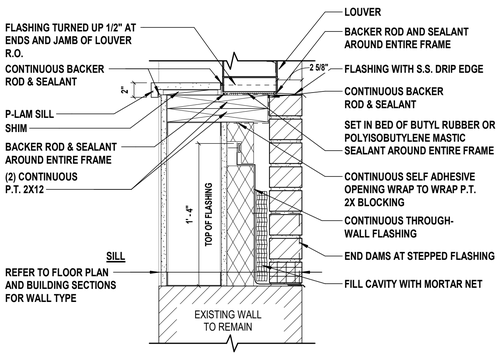
TYP. H.M. DOOR FRAME AT INTERIOR C.M.U. WALL W/GWB ONE SIDE



4 TYP. H.M. DOOR FRAME AT INTERIOR STUD WALL

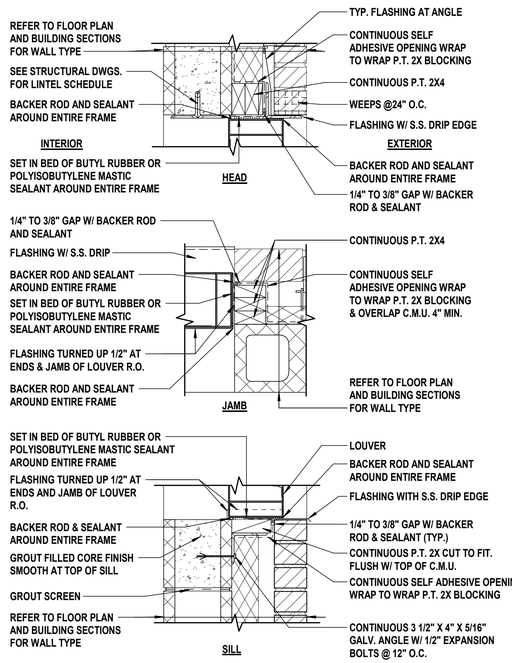
SCALE: 1 1/2" = 1'-0"





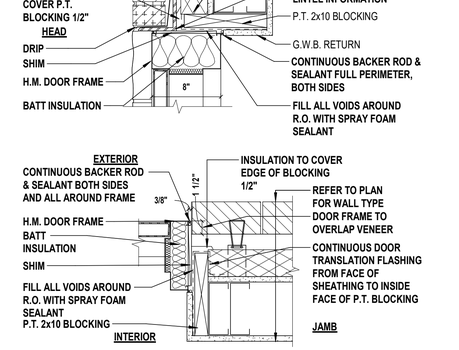
5 LOUVER @ EXTERIOR MASONRY WALL INFILL WITH BRICK VENEER

SCALE: 1 1/2" = 1'-0"



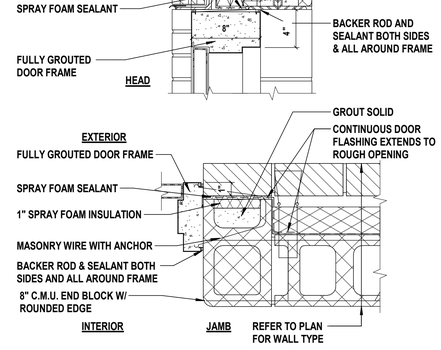
6 LOUVER @ EXTERIOR MASONRY WALL WITH BRICK VENEER

SCALE: 1 1/2" = 1'-0"



TYPICAL HOLLOW METAL DOOR FRAME AT EXTERIOR STUD WALL

SCALE: 1 1/2" = 1'-0"



8 TYPICAL HOLLOW METAL DOOR FRAME AT EXTERIOR MASONRY WALL

SCALE: 1 1/2" = 1'-0"

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3 Lear Jet Lane, Suite 205
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VILLAGE OF MOUNT KISCO

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DOOR DETAILS

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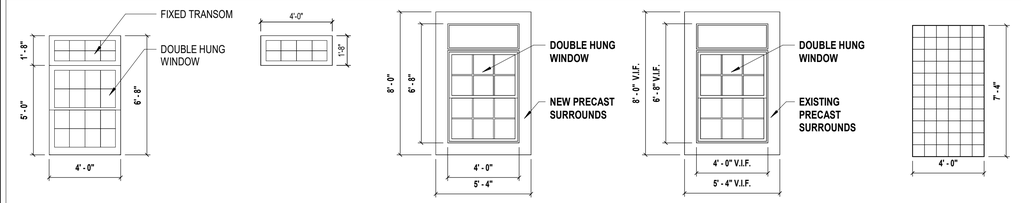
WINDOW ELEVATIONS

WINDOW NOTES:

1. ALL OPERABLE SASH IN DOUBLE HUNG TO BE PROVIDED W/ SCREENS.
2. GLASS WITHIN 18" OF DOORS AND FLOORS SHALL BE TEMPERED.
3. SELF-ADHESIVE FLASHING SHALL BE APPLIED OVER INSTALLATION CLIPS AND SHALL OVERLAP OPENING WRAP.
4. ALL WINDOWS TO HAVE MUNTINS IN PATTERNS SHOWN.
5. DIMENSIONS SHOWN ARE MASONRY ROUGH OPENINGS U.O.N.
6. ALL GLAZING IN DOORS, FIXED SIDE PANELS ADJOINING DOORS, INTERIOR PARTITIONS WHERE GLAZING EXTENDS TO WITHIN 1'-6" OF FINISHED FLOOR AND GLASS PANELS GREATER THAN 50 SQ. FT. TO BE FULLY TEMPERED SAFETY GLASS.

EXTERIOR



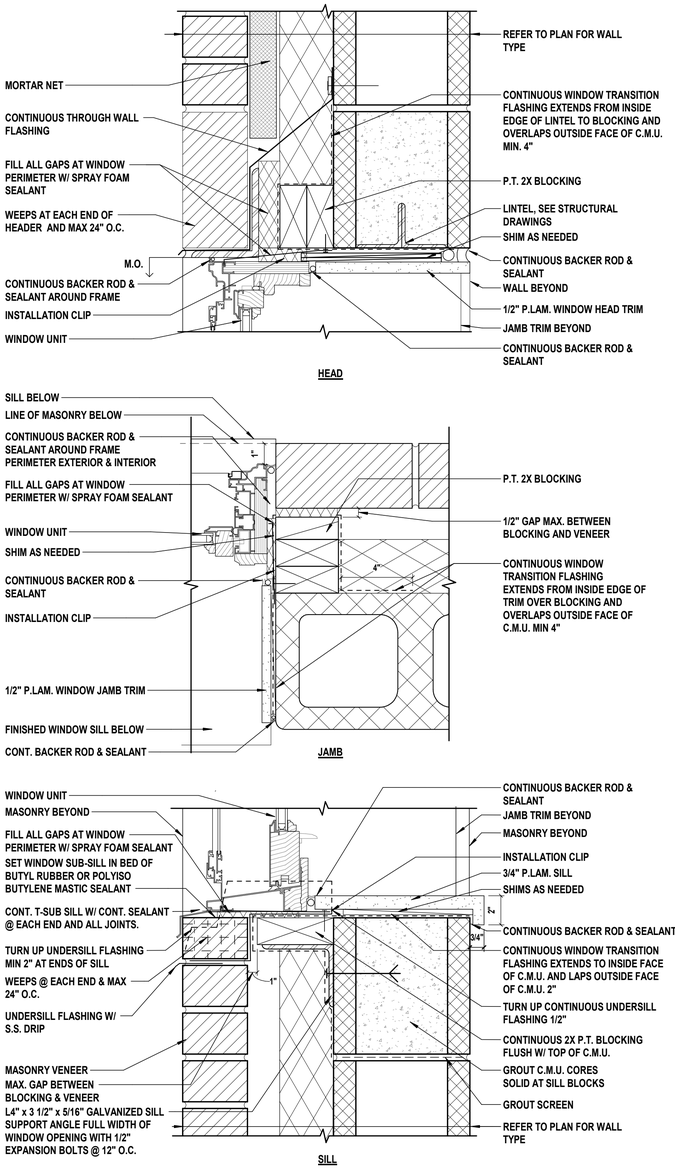
W1 WINDOW - W1

W2 WINDOW - W2
OBSCURE GLAZING - ROOM 213 ONLY

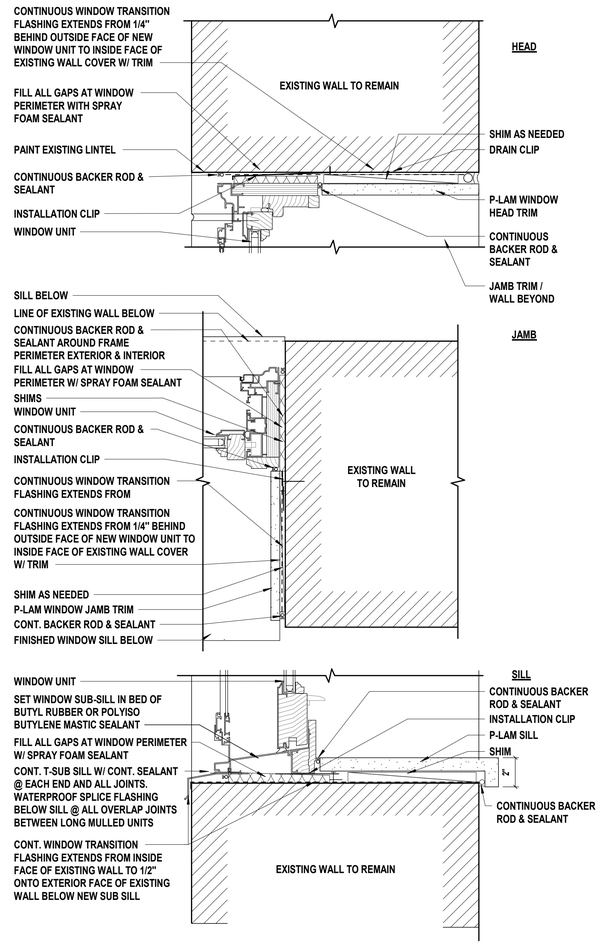
W3 WINDOW - W3

W4 WINDOW - W4*
NEW WINDOW IN EXISTING OPENING

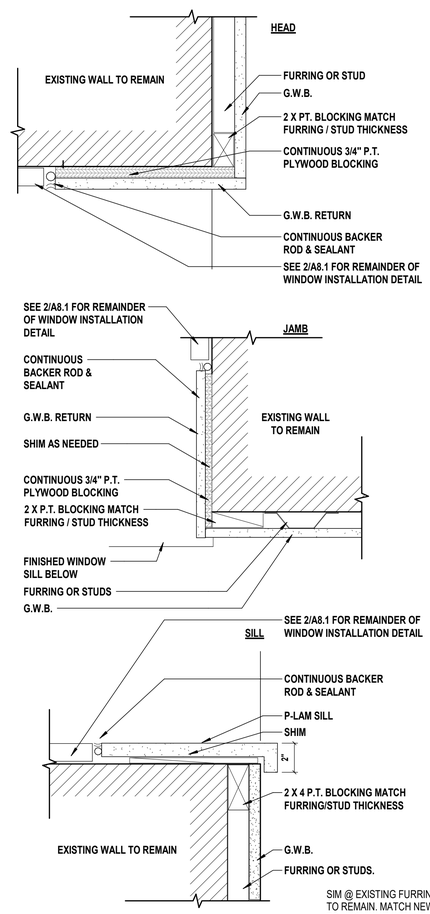
W5 WINDOW - W5



1 TYP. WINDOW @ BRICK VENEER WALLS
SCALE: 3" = 1'-0"



2 TYP. WINDOW @ EXISTING EXPOSED WALL CONDITIONS
SCALE: 3" = 1'-0"



3 WINDOW RETURNS @ FURRED EXISTING WALL CONDITIONS
SCALE: 3" = 1'-0"

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FINISH ROOM SCHEDULE

RM#	ROOM NAME	WALLS NORTH MAT.	NORTH FIN.	EAST MAT.	EAST FIN.	SOUTH MAT.	SOUTH FIN.	WEST MAT.	WEST FIN.	FLOOR MATERIAL	BASE	CEILING MAT.	CEILING FIN.	Comments
113	EXTENDED STAIR VEST.	C.M.U	PT.	C.M.U	PT.	C.M.U	PT.	C.M.U	PT.	SEALED CONC.		EXPOSED		
114	ENTRANCE	C.M.U	PT.	C.M.U	PT.	C.M.U	PT.	C.M.U	PT.	LVT	RUBBER	2X2 SAC	22A	
115	CLOSET	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	LVT.	RUBBER	2X2 SAC	22A	
116	LOBBY	C.M.U	PT.	C.M.U	PT.	G.W.B.	PT.	G.W.B.	PT.	LVT.	RUBBER	2X2 SAC	22A	
117	ELEVATOR	-	-	-	-	-	-	-	-	CPT.				
118	NEW APPARATUS BAY	C.M.U	EPOXY PT.	C.M.U	EPOXY PT.	EX. STUCCO	EPOXY PT.	EX. C.M.U.	EPOXY PT.	SEALED CONC.		EXPOSED		ALTERNATE: GLAZED CMU - NORTH, EAST, WEST WALLS
119	NEW GEAR AREA	C.M.U	PT.	C.M.U	PT.	C.M.U	PT.	C.M.U/GWB	PT.	SEALED CONC.	RUBBER	EXPOSED		RUBBER BASE @ GWB WALL ONLY
120	EXPANDED LAUNDRY/ STORAGE	G.W.B.	PT.	EX. C.M.U	PT.	EX C.M.U.	PT.	EX. C.M.U.	PT.	-	RUBBER	PLY WD.		RUBBER BASE @ GWB WALL ONLY
210	OFFICE	G.W.B.	PT.	G.W.B.	PT.	EX. BRICK	PT.	G.W.B.	PT.	CPT.		2X2 SAC	22A	COORDINATE BRICK WALL FINISH WITH OWNER
211	JANITOR'S CLOSET	M.M.R.G.W.B.	PT.	M.M.R.G.W.B.	PT.	M.M.R.G.W.B	PT.	M.M.R.G.W.B	PT.	SEALED CONC.		EXPOSED		
212	CORRIDOR	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	LVT	RUBBER	2X2 SAC	22A	
213	MEN'S TOILET ROOM	M.M.R.G.W.B.	CT.	M.M.R.G.W.B.	CT.	M.M.R.G.W.B.	CT.	M.M.R.G.W.B	CT.	CT.	CT.	2X2 SAC	22B	
214	TRAINING ROOM	G.W.B.	PT.	G.W.B.	CT.	G.W.B.	CT.	G.W.B.	CT.	LVT	RUBBER	2X2 SAC	22A	
215	TRAINING ROOF	-	-	-	-	-	-	-	-			-		EPDM WALKWAY PADS
216	ELEV. LOBBY	G.W.B.	PT.	G.W.B.	PT.	EX. BRICK	PT.	G.W.B.	PT.	LVT		2X2 SAC	22A	
217	ELEVATOR	-	-	-	-	-	-	-	-	CPT.				
218	STORAGE	C.M.U	PT.	G.W.B.	PT.	G.W.B.	PT.	C.M.U	PT.	LVT	RUBBER	2X2 SAC	22A	
219	STORAGE	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	LVT	RUBBER	2X2 SAC	22A	
220	WOMEN'S TOILET ROOM	M.M.R.G.W.B.	CT.	M.M.R.G.W.B.	CT.	M.M.R.G.W.B.	CT.	M.M.R.G.W.B	CT.	CT.	CT.	2X2 SAC	22B	
221	KITCHEN	M.M.R.G.W.B.	FRP	M.M.R.G.W.B.	FRP	M.M.R.G.W.B.	FRP & S.S. PANEL	M.M.R.G.W.B	FRP	QT	QT.	2X4 SAC	24C	PROVIDE STAINLESS WALL PANELING BEHIND AND TO LEFT OF STOVE - SEE 8/A5.1
A	EX. STAIR A	EX. G.W.B.	-	EX. G.W.B.	-	EX. G.W.B.	-	EX. G.W.B.	-	CPT.	RUBBER	-		CARPET TILE ON TREADS, RISERS & LANDINGS
A	EX. STAIR A	EX. G.W.B.	-	EX. G.W.B.	-	EX. G.W.B.	-	EX. G.W.B.	-	CPT.	RUBBER	-		CARPET TILE ON TREADS, RISERS & LANDINGS
B	EX. STAIR B	EX. C.M.U.	PT.	EX. C.M.U.	PT.	EX. C.M.U.	PT.	EX. C.M.U.	PT.	RUBBER	RUBBER	-		RUBBER ON TREADS AND LANDINGS
B	EX. STAIR B	EX. C.M.U.	PT.	EX. C.M.U.	PT.	EX. C.M.U.	PT.	EX. C.M.U.	PT.	RUBBER	RUBBER	-		RUBBER TILE ON 2ND FLOOR LANDING
R101	EX. LOBBY	EX. G.W.B.	PT.	EX. G.W.B.	PT.	EX. G.W.B.	PT.	EX. G.W.B.	PT.	-		-		
R102	CLOSET	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	SEALED CONC.		-		
R103	ELECTRICAL ROOM	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	SEALED CONC.		-		
R104	EX. RADIO ROOM	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	G.W.B.	PT.	LVT	RUBBER	-		RE-PAINT ALL WALLS - REPLACE BASE & FLOORING
R105	EX. BATHROOM	-	-	-	-	-	-	-	-	-		-		
R106	EX. MECHANICAL	-	-	-	-	-	-	-	-	-		-		
R108	EX. BAYS	-	-	-	-	-	-	-	-	-		-		DO NOT PAINT EXISTING GLAZED BLOCK
R109	EX. EGR /STOR.	-	-	-	-	-	-	-	-	-		-		
R110	STORAGE	-	-	-	-	-	-	-	-	-		-		
R111	EX. CHIEF OFFICE	-	-	-	-	-	-	-	-	-		-		
R112	CLOSET	-	-	-	-	-	-	-	-	-		-		
R201	EXISTING MEETING ROOM	-	-	-	-	GYP.	PT.	-	-	-	RUBBER	2X2 SAC	NOTE 1	RUBBER BASE @ GWB WALL ONLY
R205	EX. MEMBERS ROOM	-	-	-	-	-	-	-	-	-		2X2 SAC		

NOTE 1: MATCH EXISTING 2X2 CEILING TILE FOR ALL REPLACEMENT TILE SEE PLAN KEYNOTES 23 AND 25 ON DWG A1.2

NOTE 2: ALL EXISTING METAL DOORS AND FRAMES SCHEDULES TO REMAIN SHALL BE SCRAPED, SANDED AND RE-PAINTED WITH A MINIMUM OF TWO COATS OF PAINT. COLOR AS SELECTED BY ARCHITECT

FINISH FLOOR LEGEND

SEALED CONCRETE

QUARRY TILE

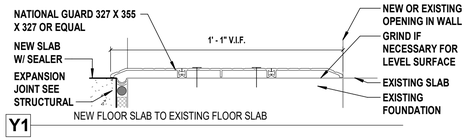
CARPET TILE

CERAMIC TILE

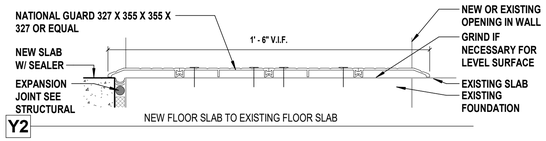
LUXURY VINYL TILE (LVT)

S.A.C	=	SUSPENDED ACOUSTIC CEILING TILE
CPT	=	CARPET TILE
C.M.U	=	CONCRETE MASONRY UNIT
CONC	=	CONCRETE; SLAB ON GRADE
CT	=	CERAMIC TILE
EXIST.	=	EXISTING
EXPOSED	=	EXPOSED STRUCTURE
E.G.B.	=	EXISTING GLAZED BLOCK
F.R.P.	=	FIBERGLASS REINFORCED PANEL
GWB.	=	GYPSUM WALL BOARD
LVT	=	LUXURY VINYL TILE
PT	=	PAINT
RB	=	RUBBER BASE
SS	=	STAINLESS STEEL WALL PANEL

- HANDICAPPED ACCESSIBLE SHOWER FLOORS ARE CERAMIC TILE.
- PAINT ALL EXPOSED MTL. INCLUDING RAILS, RISERS, STRINGERS, COLUMNS, BEAMS, JOISTS, EDGES, LINTELS, AND ALL EXPOSED SURFACES
- ALL CONSTRUCTION THAT IS MODIFIED OR DAMAGED DURING CONTRACTOR OCCUPANCY SHALL BE PAINTED.
- CEMENT BOARD IN LIEU OF G.W.B. AT ALL SHOWER STALLS (SEE WALL TYPES)
- ALL C.M.U. WALLS THAT ARE TO RECEIVE CERAMIC TILES SHALL HAVE FLUSH MORTAR JOINTS
- CLEAN ALL EXISTING SURFACES/FINISHES TO REMAIN
- ALL EXPOSED SURFACES OF PARTITIONS ARE TO BE PAINTED TO 6" ABOVE SAC CEILING, MIN.



Y1



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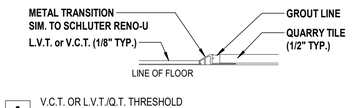
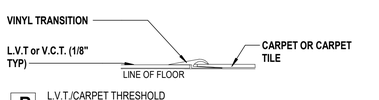
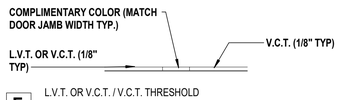


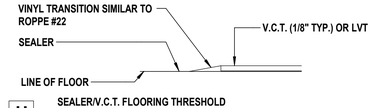
A V.C.T. OR L.V.T./Q.T. THRESHOLD



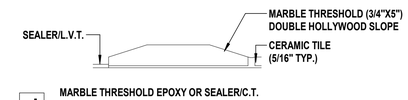
B L.V.T./CARPET THRESHOLD



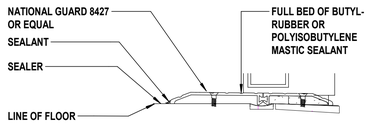
F L.V.T. OR V.C.T. / V.C.T. THRESHOLD



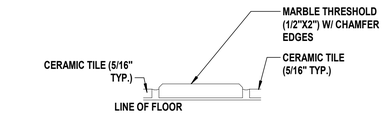
H SEALER/V.C.T. FLOORING THRESHOLD



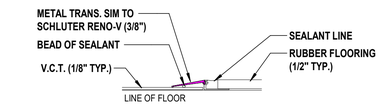
J MARBLE THRESHOLD EPOXY OR SEALER/C.T.



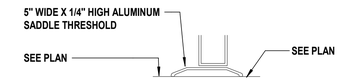
M SEALER @ EXTERIOR THRESHOLD



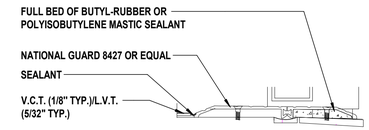
P MARBLE THRESHOLD C.T./C.T. AT ACCESSIBLE SHOWER STALL



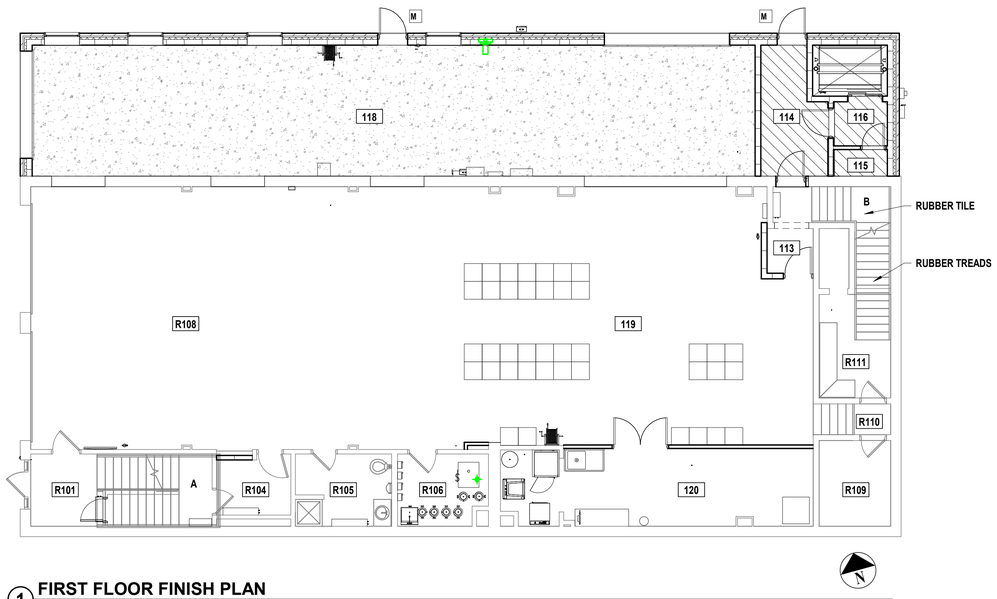
S V.C.T./ RUBBER FLOORING THRESHOLD



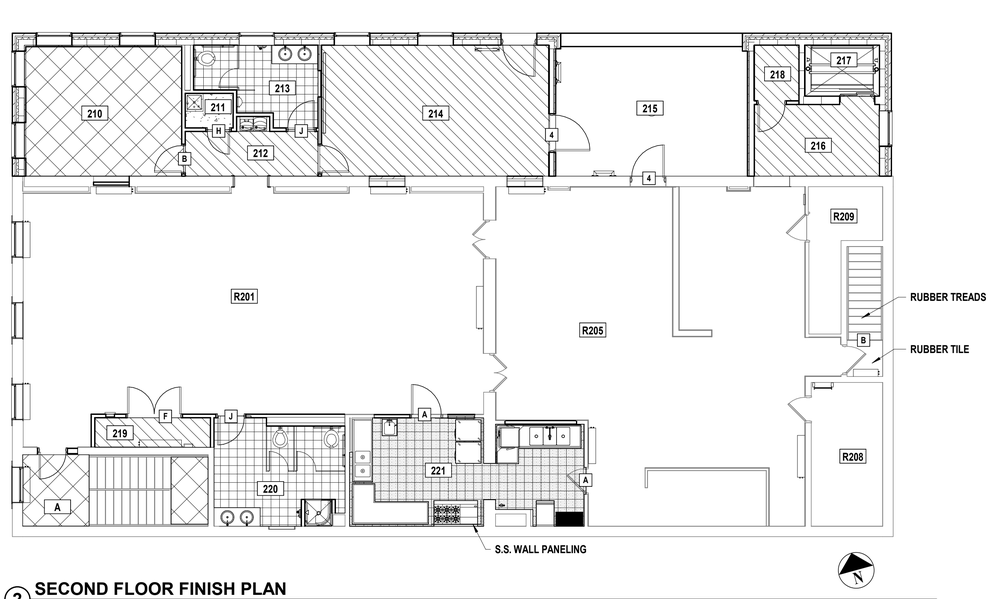
2 THRESHOLD



4 V.C.T./ L.V.T. @ EXTERIOR THRESHOLD
SEE TYPICAL EXTERIOR DOOR THRESHOLD



1 FIRST FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"



2 SECOND FLOOR FINISH PLAN
SCALE: 1/8" = 1'-0"

Room Schedule

Number	Name
113	EXTENDED STAIR VEST.
114	ENTRANCE
115	CLOSET
116	LOBBY
117	ELEVATOR
118	NEW APPARATUS BAY
119	NEW GEAR AREA
120	EXPANDED LAUNDRY/ STORAGE
210	OFFICE
211	JANITOR'S CLOSET
212	CORRIDOR
213	MEN'S TOILET ROOM
214	TRAINING ROOM
215	TRAINING ROOF
216	ELEV. LOBBY
217	ELEVATOR
218	STORAGE
219	STORAGE
220	WOMEN'S TOILET ROOM
221	KITCHEN
A	EX. STAIR A
B	EX. STAIR B
R101	EX. LOBBY
R102	CLOSET
R103	ELECTRICAL ROOM
R104	EX. RADIO ROOM
R105	EX. BATHROOM
R106	EX. MECHANICAL
R108	EX. BAYS
R109	EX. EGR /STOR.
R110	STORAGE
R111	EX. CHIEF OFFICE
R112	CLOSET
R201	EXISTING MEETING ROOM
R205	EX. MEMBERS ROOM
R208	EX. STORAGE
R209	EX. STORAGE

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
EJN	CAO	LLC	
PROJECT No:	DATE:	SCALE:	
MKIV1802	12-13-2021	AS SHOWN	

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
MOUNT KISCO NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
FINISH SCHEDULE, PLANS & DETAILS

DRAWING No.
A9.1

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LEGEND

SYMBOL	DESCRIPTION
	PIPING UP
	PIPING DOWN
	PIPING RISE OR DROP
	BRANCH-TOP CONNECTION
	BRANCH-BOTTOM CONNECTION
	REDUCER
CO CO	CLEANOUT
	FLOOR CLEANOUT
	CAPPED PIPE
M	METER
	FLOOR DRAIN
	AQUASTAT
	PUMP
	STRAINER
	UNION
	THERMOSTATIC MIXING VALVE
	BALANCING VALVE (BLV)
	GLOBE VALVE (GLV)
	CHECK VALVE (CV)
	GAS COCK, GAS STOP
	BALL VALVE (BV)
	BUTTERFLY VALVE (BFV)
S	SOLENOID VALVE
	PRESSURE-REDUCING VALVE (PRV)
	GATE VALVE (GV)
	PRESSURE-RELIEF VALVE (RV)
	BACKFLOW PREVENTER
	FROST FREE HOSE BIBB
	HOSE BIBB
	RECESSED-BOX HOSE BIBB OR WALL HYDRANT
	EXPANSION JOINT
	WATER HAMMER ARRESTER
	VALVE IN RISER
CO	WALL CLEANOUT (WCO)
	PITCH DOWN OR UP IN DIRECTION OF ARROW
	FLOW IN DIRECTION OF ARROW
	COLD WATER (CW)
	TEMPERED WATER (TW)
	HOT WATER (HW)
	TEMPERED WATER RETURN (TWR)
	HOT WATER RETURN (HWR)
	WASTE PIPING (W,S,OW)
	BELOW SLAB WASTE PIPING
	VENT PIPING (V)
	GAS PIPING (G)
	PIPING / EQUIPMENT TO BE REMOVED
	POINT OF CONNECTION
	POINT OF DISCONNECTION

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
CLG	CEILING
CO	CLEAN OUT
CODP	CLEAN OUT DECK PLATE
COWP	CLEAN OUT WALL PLATE
CW	COLD WATER
(D)	DEMOLISH
DCV	DOUBLE CHECK VALVE DEVICE
DEG. F	° FAHRENHEIT
DIA	DIAMETER
DN	DOWN
(E)	EXISTING
EA	EACH
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
G	GAS
'GC'	GENERAL CONSTRUCTION CONTRACTOR
GPM	GALLONS PER MINUTE
GPH	GALLONS PER HOUR
'H'	HVAC CONTRACTOR
HP	HORSEPOWER
HW	HOT WATER
HWR	HOT WATER RETURN
IN.	INCHES
IN. W.C. (W.G.)	INCHES WATER COLUMN (WATER GAUGE)
KW	KITCHEN WASTE
LBS	POUNDS
M	METER
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OD	OUTER DIAMETER
(P)	PROPOSED
'P'	PLUMBING CONTRACTOR
PD	PRESSURE DROP
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAN / S	SANITARY
ST	STORM DRAIN
TEMP	TEMPERATURE
TYP	TYPICAL
TW	TEMPERED WATER (110°F)
TWR	TEMPERED WATER RETURN
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE

GENERAL PLUMBING NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
3. PERFORM ALL WORK IN ACCORDANCE WITH THE 2020 NEW YORK STATE PLUMBING (NYSPC), FIRE (NYSFC), MECHANICAL (NYSMC), ENERGY CONSERVATION CONSTRUCTION (NYSECC), AND FUEL GAS (NYSFGC) CODE AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
5. APPLY FOR AND SECURE ALL REQUIRED PERMITS AND INSPECTIONS AND PAY ALL COSTS FOR THE SAME.
6. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, CONDUIT, ETC.
7. DO NOT SCALE DRAWINGS. DRAWINGS FOR PLUMBING WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE.
8. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS, MANUFACTURERS REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTORS INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTORS FABRICATED ITEMS TO ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
9. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
10. FIELD VERIFY AND COORDINATE ALL PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
11. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
12. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
13. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
14. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
15. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
16. COMPLETE ALL PRESSURE TESTS BEFORE ANY PLUMBING EQUIPMENT, OR PIPING INSULATION IS APPLIED.
17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
18. PROVIDE CONCRETE PADS A MINIMUM OF 4 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
19. INSTALL PIPING, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
20. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL ACCESSIBLE FIXTURES. MOUNT ALL SUCH FIXTURES IN ACCORDANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
21. PROVIDE ACCESS DOORS IN WALLS, PARTITIONS, AND CEILINGS AS REQUIRED TO MAKE VALVES, WATER HAMMER ARRESTERS, ETC. READILY ACCESSIBLE.
22. ARRANGE FOR, COORDINATE, AND MAKE CONNECTION TO ALL SERVICES PROVIDED BY OTHERS. CONFORM TO ALL REQUIREMENTS APPLICABLE TO CONNECTIONS IMPOSED BY UTILITY COMPANIES AND AUTHORITIES HAVING JURISDICTION.
23. INSTALL FIXTURES AND EQUIPMENT WITH VALVES, UNIONS, ETC. TO ALLOW FOR EASE OF SERVICE AND/OR REMOVAL.
24. CORE DRILL ALL PENETRATIONS THROUGH CONCRETE FLOORS, WALLS, AND FOOTINGS.
25. INSTALL LINK SEAL TYPE PROTECTION FOR WATER RESISTANT SEALS AT ALL SLAB AND BELOW GROUND WALL FOOTING PENETRATIONS.
26. PROVIDE A CLEANOUT AT THE BASE OF WASTE AND VENT STACKS WITH FINISHED WALL PLATE IN FINISHED WALLS.
27. FURNISH AND INSTALL WATER PRESSURE REDUCING VALVE AND PRESSURE RELIEF VALVE IN ACCORDANCE WITH THE NEW YORK STATE PLUMBING CODE ON ALL INCOMING DOMESTIC WATER SYSTEMS IN EXCESS OF 80 P.S.I.G.
28. COVER ALL COPPER PIPING BELOW SLAB WITH "ARMAFLEX" TYPE INSULATION.
29. SLOPE ALL VENT PIPING TO DRAIN BACK TO THE DRAINAGE SYSTEM.
30. FLUSH AND DISINFECT ALL DOMESTIC POTABLE WATER PIPING AND TEST THE WATER IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE. PROVIDE CERTIFICATE OF PERFORMANCE AND LABORATORY TEST REPORT TO LOCAL AUTHORITIES HAVING JURISDICTION AND OBTAIN THEIR APPROVAL.
31. PROVIDE WATER HAMMER ARRESTORS AT ALL QUICK CLOSING FIXTURE VALVE LOCATIONS.
32. ALL PIPING, VALVES AND FITTINGS USED FOR POTABLE WATER SHALL BE NSF 61/372 COMPLIANT AND BE TESTED FOR LOW LEAD.
33. ANY PENETRATIONS THROUGH AIR BARRIER SHALL BE SEALED AS PER 2020 NYSECC RESIDENTIAL AND COMMERCIAL PROVISIONS.
34. ALL PIPING IN PLENUM SPACES SHALL BE CAST IRON FOR SANITARY, STORM, VENT SYSTEMS, AND COPPER PIPING FOR DOMESTIC SYSTEMS, AND STEEL PIPING FOR GAS SYSTEMS. NO PLASTIC PIPING ALLOWED.

WORK IN EXISTING AREAS

1. EXISTING CONDITIONS, INCLUDING EQUIPMENT AND PIPE SIZES AND LOCATIONS, INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC. CONFIRM ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
2. CUT AND ROUGH PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. FINISH PATCHING AND FLASHING REQUIREMENTS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. PERFORM ALL CUTTING AND PATCHING WORK IN A MANNER SUCH THAT ANY EXISTING WARRANTEES/GUARANTEES ARE NOT VOIDED. USE QUALIFIED PERSONNEL IN PERFORMANCE OF THE WORK.

APPLICABLE CODES

- 2020 NEW YORK STATE BUILDING CODE (NYSBC) 1ST PRINTING
- 2020 NEW YORK STATE FIRE CODE (NYSFC) 1ST PRINTING
- 2020 NEW YORK STATE PLUMBING CODE (NYSPC) 1ST PRINTING
- 2020 NEW YORK STATE FUEL GAS CODE (NYSFGC) 1ST PRINTING
- 2020 NEW YORK STATE MECHANICAL CODE (NYSMC) 1ST PRINTING
- 2020 NEW YORK STATE ENERGY CONSERVATION CODE (NYSECC) 1ST PRINTING

FUEL GAS NOTES

1. PERFORM ALL WORK IN ACCORDANCE WITH NFPA 54 - NATIONAL FUEL GAS CODE, THE 2020 NEW YORK STATE FUEL GAS CODE (NYSFGC), 2015 NATIONAL GRID BLUE BOOK, 2018 CONEDISON YELLOW BOOK, 2017 PSEG NJ BOOK, AND THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
2. THE DEPTH OF COVER FOR ALL GAS SERVICE PIPING SHALL BE 24 INCHES.
3. THE WATER SERVICE SHALL BE KEPT A MINIMUM OF 10-FEET FROM THE INCOMING GAS SERVICE MEASURED IN ANY DIRECTION.
4. IF ELECTRIC AND GAS SHARE A COMMON TRENCH, THE TRENCH MUST BE WIDE ENOUGH TO MAINTAIN A 6-INCH MINIMUM SEPARATION DISTANCE.
5. LOCATION OF PROPOSED GAS METER ON CONTRACT DOCUMENTS ARE SUBJECT TO CHANGE BY THE LOCAL UTILITY COMPANY.
6. REFER TO THE LOCAL UTILITY COMPANY HANDBOOKS FOR METER RIG CONSTRUCTION DETAILS, RULES AND REGULATIONS. THIS INCLUDES, BUT NOT LIMITED TO LOCATION OF STEP DOWN REGULATORS, METER SIZE AND SET LENGTHS, VENTING OF REGULATORS, BYPASS PIPING, BOLLARD REQUIREMENTS, CONCRETE PAD, SUPPORTS, AND SHUT OFF VALVES.
7. GAS PIPING:
   - 7.1. INDOOR - STEEL PIPE- SCHEDULE 40 WITH WELDED OR THREADED JOINTS. THREADED JOINTS SHALL BE 150 POUND MALLEABLE IRON, FORGED STEEL, BLACK IRON, OR GALVANIZED STEEL.
   - 7.2. OUTDOOR - ABOVE GROUND - GALVANIZED PIPE OR PROPERLY COATED BLACK STEEL PIPE WITH SCREWED OR THREADED JOINTS.
   - 7.3. BELOW GRADE - STEEL PIPE- MILL WRAPPED SCHEDULE 40 WITH WELDED OR THREADED JOINTS
   - 7.4. WELDED JOINTS MUST BE USED FOR GAS PIPING LARGER THAN 4-INCH, OR 3-INCH FOR SCHOOLS.
8. GAS PIPING ENTERING A BUILDING SHALL BE ABOVE GRADE. PENETRATIONS THROUGH BURIED WALLS ARE NOT PERMITTED.
9. WHERE GAS PIPING IS INSTALLED BELOW GRADE INSIDE A BUILDING, THE GAS PIPING MUST BE INSTALLED IN A CONDUIT AND BE VENTED TO THE EXTERIOR.
10. GAS PRESSURE TEST:
    - 10.1. GALVANIZED OR BARE STEEL - UP TO 14" W.C. - AIR AT 3 PSIG FOR 30 MINUTES -
    - 10.2. GALVANIZED OR BARE STEEL - GREATER THAN 14" W.C. - AIR AT 50 PSIG FOR 30 MINUTES
    - 10.3. COATED OR WRAPPED - LESS THAN 2-INCH - AIR AT 90 PSIG FOR 1-HOUR
    - 10.4. COATED OR WRAPPED - 2-INCH TO 12-INCH - AIR AT 90 PSIG FOR 4-HOURS
11. SUPPLY ALL GAS-FIRED EQUIPMENT WITH GAS PIPING AS PER THE NEW YORK STATE FUEL GAS CODE. PROVIDE EACH PIECE OF EQUIPMENT WITH A DIRT LEG, UNION AND GAS COCK. PROVIDE A VENTED REGULATOR IF EQUIPMENT REQUIRES LOWER THAN LINE GAS PRESSURE.
12. PROVIDE VEHICLE IMPACT PROTECTION FOR NEW METER HEADER. BOLLARDS SHALL BE SPACED NO MORE THAN 4-FEET BETWEEN POSTS ON CENTER AND LOCATED NOT LESS THAN 3-FEET FROM THE PROTECTED OBJECT.
13. SHUTOFF VALVES INSTALLED IN TUBING SYSTEMS MUST BE RIGIDLY AND SECURELY SUPPORTED INDEPENDENTLY OF THE TUBING.
14. ALL COOKING APPLIANCE CONNECTIONS MUST BE LISTED AND LABELED.

MANUAL GAS VALVE STANDARDS

VALVE STANDARDS	APPLIANCE SHUTOFF VALVE APPLICATION UP TO 1/2 PSIG PRESSURE	OTHER VALVE APPLICATIONS		
		UP TO 1/2 PSIG PRESSURE	UP TO 1/2 PSIG PRESSURE	UP TO 1/2 PSIG PRESSURE
ANSI Z21.15/CGA9.1	X	–	–	–
ASME B16.44	X	X*	X**	–
ASME B16.33	X	X	X	X

NOTES:
1. FOR SI: 1 POUND PER SQUARE INCH GAUGE = 6.895 kPa.
2. X* IF LABELED 2G
3. X** IF LABELED 5G

ENERGY NOTES

2020 NEW YORK STATE ENERGY CONSERVATION CODE NOTES: STATEMENT OF COMPLIANCE:

TO THE BEST OF MY KNOWLEDGE, AND PERSONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE (NYSECC).

1. SERVICE WATER HEATING EQUIPMENT PERFORMANCE EFFICIENCY:
   - 1.1. WATER HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REQUIREMENTS OF TABLE C404.2 IN THE 2020 NYSECC. (NYSECC C404.2)
   - 1.2. SERVICE WATER HEATING SHALL BE COMMISSIONED AND COMPLETED IN ACCORDANCE WITH SECTION C408.2 OF THE 2020 NYSECC.
2. TEMPERATURE CONTROL:
   - 2.1. SERVICE WATER HEATING EQUIPMENT SHALL BE PROVIDED WITH CONTROLS ALLOWING A SETPOINT OF 110°F FOR DWELLING UNITS AND 90 °F FOR OTHER OCCUPANCIES. PUBLIC REST ROOM LAVATORIES SHALL HAVE A MAXIMUM OUTLET TEMPERATURE OF 110°F.
   - 2.2. WHERE WATER HEATING EQUIPMENT SERVING NONCIRCULATING SYSTEMS IS NOT SUPPLIED WITH INTEGRAL HEAT TRAPS, HEAT TRAPS SHALL BE PROVIDED ON THE SUPPLY AND DISCHARGE PIPING. (NYSECC C404.3)
3. PIPE INSULATION:
   - 3.1. AUTOMATIC CIRCULATING HOT WATER SYSTEM PIPING SHALL BE INSULATED WITH 1 INCH OF INSULATION WITH A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/H X FT X FT X °F, OR THE INSULATION REQUIREMENTS OF SPECIFICATIONS, WHICHEVER IS GREATER. THE FIRST 8 FT OF PIPING IN NONCIRCULATING SYSTEMS WITH EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS SHALL BE INSULATED WITH 0.5 INCH OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/H X FT X FT X °F, OR THE INSULATION REQUIREMENTS OF SPECIFICATIONS, WHICHEVER IS GREATER. (NYSECC C404.5)
   - 3.2. ALL PIPING TO BE INSULATED WITH 0.21-0.28 CONDUCTIVITY
   - 3.3. COLD WATER PIPING - ALL SIZES - 1-INCH INSULATION, A.S. JACKET.
   - 3.4. STORM DRAINAGE PIPING ALL HORIZONTAL RUNS AND DRAIN BODY - MINIMUM 1-INCH INSULATION, A.S. JACKET.
   - 3.5. HOT WATER PIPING (140°F) AND TEMPERED WATER PIPING (110°F)
     - 3.5.1. PIPE SIZE: < 1" INSULATION: 1"
     - 3.5.2. PIPE SIZE: 1" TO < 1-1/2" INSULATION: 1"
     - 3.5.3. PIPE SIZE: 1-1/2 TO < 4" INSULATION: 1.5"
     - 3.5.4. PIPE SIZE: 4" TO < 8" INSULATION: 1.5"
4. HOT WATER SYSTEM CONTROLS:
   - 4.1. CIRCULATING HOT WATER SYSTEM PUMPS OR HEAT TRACE SHALL BE ARRANGED TO BE TURNED OFF EITHER AUTOMATICALLY OR MANUALLY WHEN THERE IS LIMITED HOT WATER DEMAND. READY ACCESS SHALL BE PROVIDED TO THE OPERATING CONTROLS. (NYSECC C404.6)
5. PIPE VOLUME AND MAXIMUM LENGTHS
   - 5.1. PER SECTION OF C404.5.1 OF THE 2020 NYSECC, ALL MAXIMUM PIPE LENGTHS FROM FIXTURES SHALL COMPLY WITH THE MAXIMUM PIPE LENGTHS ON THE CHART BELOW. CONTRACTOR TO ENSURE HOT WATER RETURN PIPING IS INSTALLED AS PER PLANS AND THAT THESE LENGTHS ARE MAINTAINED.

NOMINAL PIPE SIZE (INCHES)	VOLUME (LIQUID OUNCES PER FOOT LENGTH)	MAXIMUM PIPING LENGTH (FEET)	
		PUBLIC LAVATORY FAUCETS	OTHER FIXTURES AND APPLIANCES
1/4"	0.33	6	50
5/16"	0.5	4	50
3/8"	0.75	3	50
1/2"	1.5	2	43
5/8"	2	1	32
3/4"	3	0.5	21
7/8"	4	0.5	16
1"	5	0.5	13
1-1/4"	8	0.5	8
1-1/2"	11	0.5	6
2" OR LARGER	18	0.5	4

DEMOLITION NOTES

GENERAL

1. PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
3. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

SCOPE OF WORK

1. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
3. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT.
4. ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT.
5. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.
6. REMOVE BASE BUILDING PIPING AS INDICATED BELOW:
   - 6.1. REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS.
7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
8. COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE TURNED OVER TO THE OWNER.

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

PLUMBING GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

DRAWING No.

P 001.00

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PLUMBING FIXTURES

FIXTURE NO.	DESCRIPTION	MINIMUM CONNECTION SIZES (IN)						
		COLD WATER		HOT WATER		DRAIN		V
		SIZE	FU	SIZE	FU	SIZE	DFU	
LAV-1	LAVATORY - DROP IN	1/2	1.5	1/2	1.5	1-1/2	1	1-1/2
WC-1	WATER CLOSET - FLUSH VALVE - WALL MOUNTED	1	10	-	-	4	3	2
WC-2	WATER CLOSET - FLUSH VALVE - WALL MOUNTED - BARRIER FREE - ADA	1	10	-	-	4	4	2
UR-1	URINAL - FLUSH VALVE - WALL MOUNTED - BARRIER FREE	3/4	5	-	-	2	2	1-1/2
SH-1	SHOWER - HANDHELD TRIM WITH MIXING VALVE AND SHOWER DRAIN - BARRIER FREE	1/2	3	1/2	3	2	2	1-1/2
DF-1	DRINKING FOUNTAIN - SURFACE MOUNTED - BILEVEL - BOTTLE FILLER - CHILLED	1/2	0.25	-	-	1-1/4	1/2	1-1/2
MS-1	MOP SINK - FLOOR MOUNTED	3/4	2.25	3/4	2.25	3	2	1-1/2
FD-1	FLOOR DRAIN - SEE NOTE 3	-	-	-	-	3	2	2
FS-1	FLOOR SINK - KITCHEN	-	-	-	-	3	2	2
SS-1	UTILITY SINK	3/4	2.25	3/4	2.25	3	2	1-1/2
HB-1	HOSE BIBB - INTERIOR WITH KEY	3/4	-	-	-	-	-	-
HR-1	HOSE REEL	3/4	-	-	-	-	-	-
SK-1	LAUNDRY SINK	1/2	1.5	1/2	1.5	1-1/2	2	1-1/2
RD-1	ROOF DRAIN - COMBINATION	-	-	-	-	3	-	-
CB-1	CATCH BASIN	-	-	-	-	4	-	-

NOTES:

1. CHROME PLATE ALL DRAIN PIPE, FITTINGS, P-TRAPS AND SUPPLY LINES THAT ARE EXPOSED, LOCATED WITHIN VANITIES OR ACCESSIBLE CABINETS OR BEHIND WATER CLOSETS
2. MINIMUM CONNECTION SIZES INDICATED ARE EQUIPMENT CONNECTION SIZES OR CODE MINIMUM SIZES, SEE PLANS AND DIAGRAMS FOR ACTUAL SIZES REQUIRED
3. ALL FLOOR DRAINS SHALL HAVE TRAP SEALS. MANUFACTURER: ZURN; Z1072.
4. INSULATE EXPOSED DRAIN AND SUPPLY PIPING FOR HANDICAPPED FIXTURES WITH TRUEBRO LAV GUARD.

INTERCEPTORS

EQUIPMENT NO.	LOCATION	BASIS OF DESIGN INFORMATION							REMARKS
		FLUID	FLOW (GPM)	CAPACITY	INLET AND OUTLET SIZE	MANUFACTUER	MODEL	NOMINAL DIMENSIONS (L X W X H)	
GT-1	KITCHEN	GREASE	75	150 LBS	4"	SCHIER	GB3	37" X 28" X 21"	PROVIDE EXTENSION AS REQUIRED DEPENDING ON PIPE INVERTS.
LT-1	LAUNDRY ROOM	LINT WASTE	70	-	3"	WATTS	LI-807	23.25" X 25" X 20"	PROVIDE EXTENSION AS REQUIRED DEPENDING ON PIPE INVERTS.

MIXING VALVE STATION

EQUIPMENT NO.	LOCATION	BASIS OF DESIGN INFORMATION					
		MAXIMUM PRESSURE RANGE	MINIMUM FLOW	MAXIMUM FLOW	MANUFACTUER	MODEL	NOMINAL DIMENSIONS (W X H)
MV-1	LAUNDRY ROOM	125 PSI	0.5 GPM	9 GPM	LEONARD	210-LF-F	7" X 5"

PUMP SCHEDULE

PUMP NO.	LOCATION	TYPE	SERVICE	GPM (EA)	TDH (FT)	MOTOR DATA					REMARKS
						RPM	HP (EA)	PHASE	CYCLE	VOLTS	
CP-1	MECH ROOM	SIMPLEX	TEMPERED WATER RECIRC	1	2	3250	0.025	1	60	115 V	TACO MODEL: 003-B4 WITH TACO AQUASTAT MODEL 563-2
EP-1	ELEVATOR	SIMPLEX SUBMERSIBLE	ELEVATOR PIT	50	20	3450	0.5	1	60	115 v	PACKAGED UNIT ZOELLER 940-0013, OIL SMART

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3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

PLUMBING SCHEDULES

DRAWING No.

P 002.00

DOMESTIC WATER SERVICE BACKFLOW PREVENTION DEVICE GENERAL NOTES:

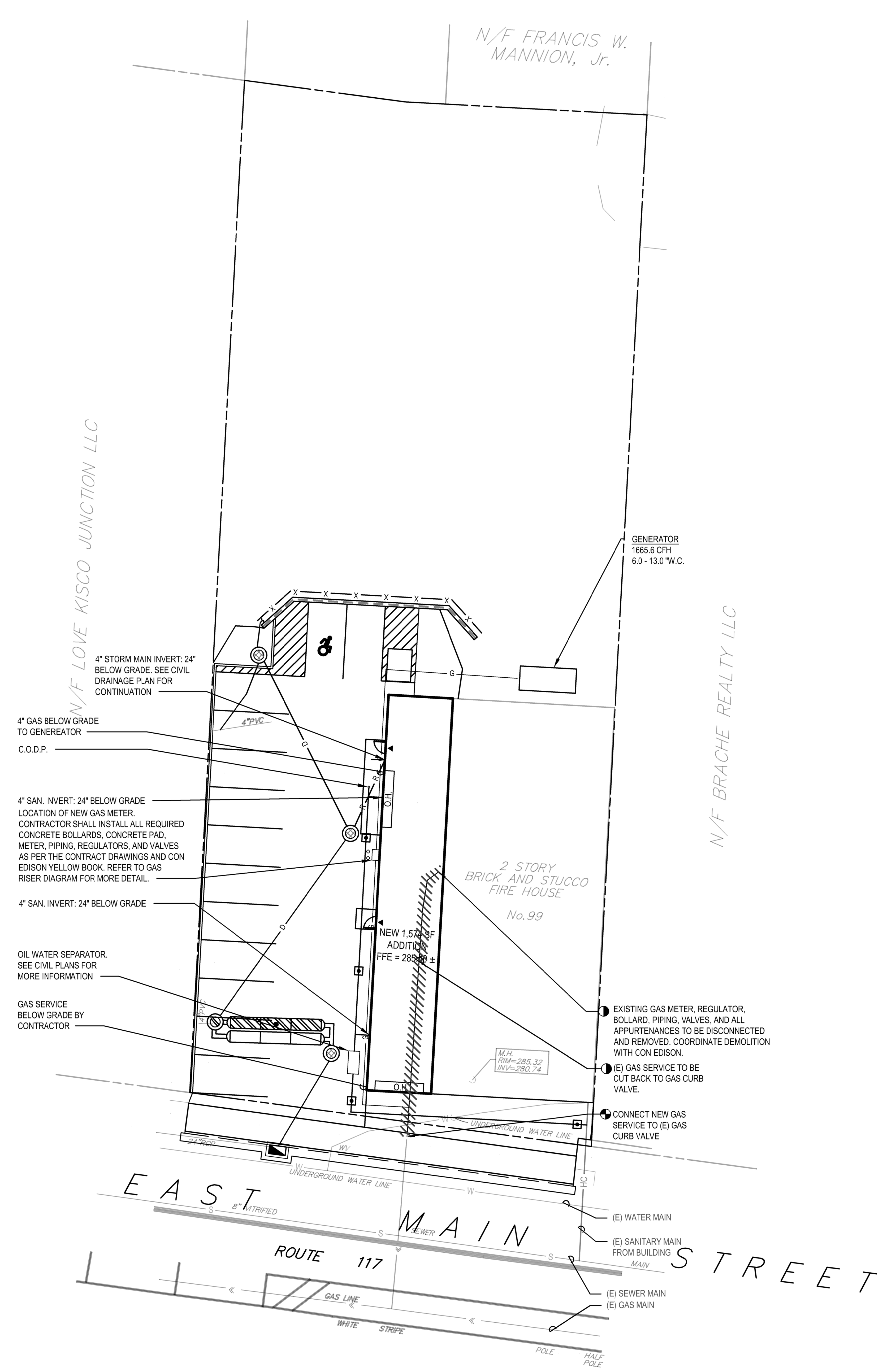
1. INSTALLATION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE COUNTY DEPARTMENT OF HEALTH SERVICES, NEW YORK STATE HEALTH DEPARTMENT REGULATIONS, AND VILLAGE OF MT. KISCO WATER DEPARTMENT REGULATIONS.
2. ALL CONNECTIONS ON THE WATER SERVICE SHALL BE DOWNSTREAM FROM THE BACKFLOW PREVENTION DEVICE. BYPASSING OF A BACKFLOW PREVENTION DEVICE IS A VIOLATION OF NEW YORK STATE HEALTH DEPARTMENT RULES AND REGULATIONS.
3. THE CONTRACTOR SHALL ENGAGE A CERTIFIED BACKFLOW PREVENTION DEVICE TESTER TO TEST THE BACKFLOW PREVENTION DEVICE AFTER INSTALLATION. IT IS THE OWNER'S RESPONSIBILITY TO HAVE EACH DEVICE CERTIFIED AT LEAST ANNUALLY WITH RESULTS REPORTED TO MT. KISCO AND TO THE COUNTY DEPARTMENT OF HEALTH ON NY STATE FORM GEN 215. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELATED TESTING AND APPLICATION FEES.
4. SHUT-OFF VALVES ON DOMESTIC WATER SERVICE BFP DEVICE SHALL BE BALL VALVES AND SHALL BE SAME MANUFACTURER AS BFP DEVICE.
5. TEST COCKS ON THE BFP DEVICE SHALL BE POSITIONED TO FACILITATE TESTING WITH 30" MINIMUM CLEARANCE.
6. BACKFLOW DEVICES MAY NOT BE MODIFIED IN ANY WAY DURING INSTALLATION
7. PIPING SHALL BE UN-BRANCHED AND UNRESTRICTED FROM THE SUPPLY MAIN TO THE DEVICE, EXCEPT FOR THE METER ON THE DOMESTIC SERVICE.
8. CONTRACTOR SHALL PROVIDE APPROPRIATE FLOOR/WALL SUPPORTS FOR ALL DEVICES AND PIPING. ALL SUPPORTS/HANGERS/CLAMPS SHALL BE GALVANIZED STEEL.
9. BACKFLOW DEVICES SHALL BE APPROVED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.
10. THE ROOM WHERE THE DEVICES ARE LOCATED SHALL BE HEATED AND SHALL HAVE LIGHTING.
11. WHERE THE DISTANCE BETWEEN THE WATER METER AND DEVICE IS GREATER THAN 10'-0", ALL EXPOSED PIPING MUST BE LABELED EVERY 5'-0" DISPLAYING THE WORDS "FEED TO BACKFLOW PREVENTER, DO NOT TAP."
12. DEVICE MAY NOT BE INSTALLED HIGHER THAN 5'-0" ABOVE THE FLOOR OR A FIXED PLATFORM IS REQUIRED.

SERVICE FEE NOTE:

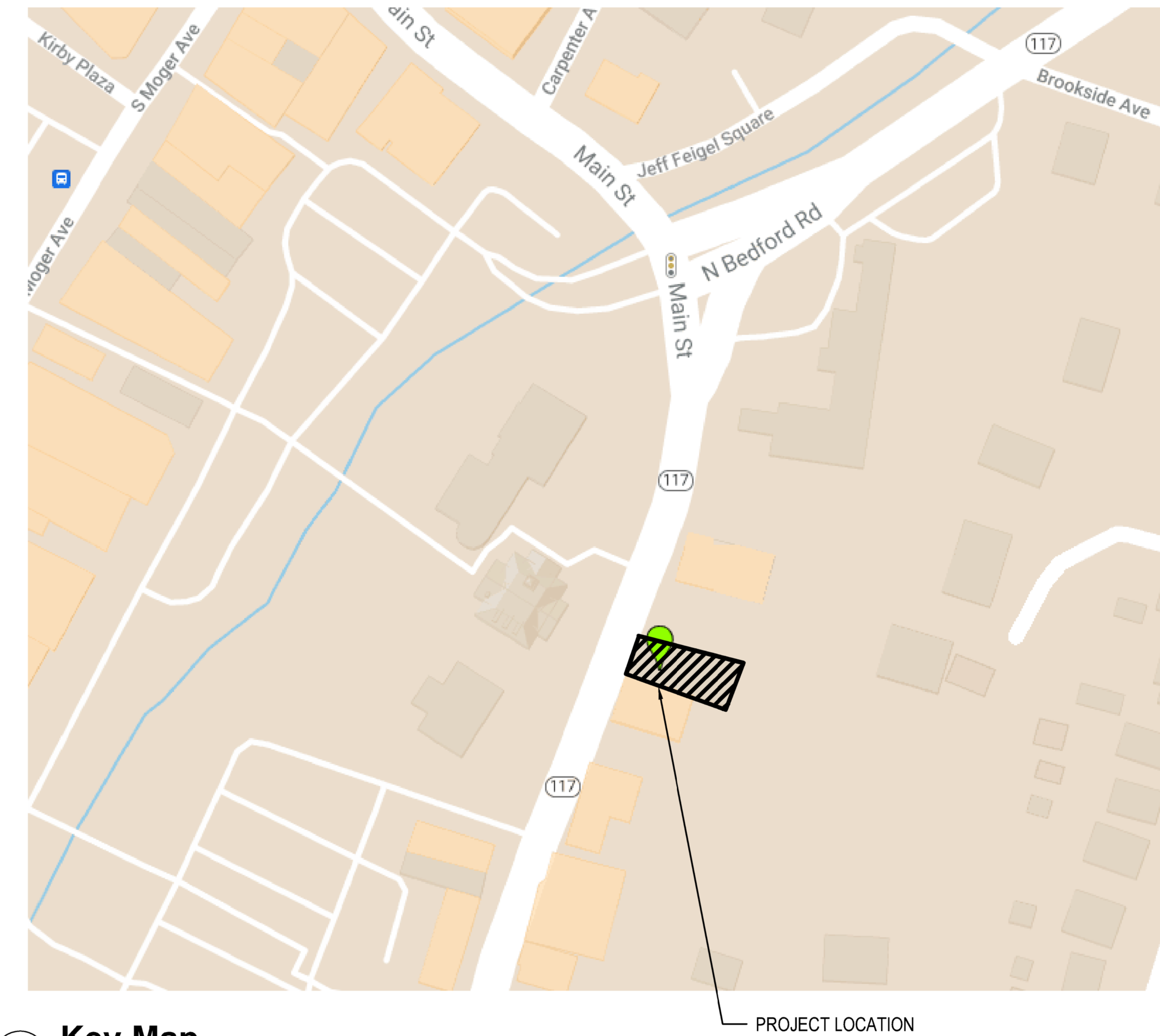
CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASSOCIATED TAP. PERMIT AND METER FEES FOR WATER SERVICES.

TAX NUMBER

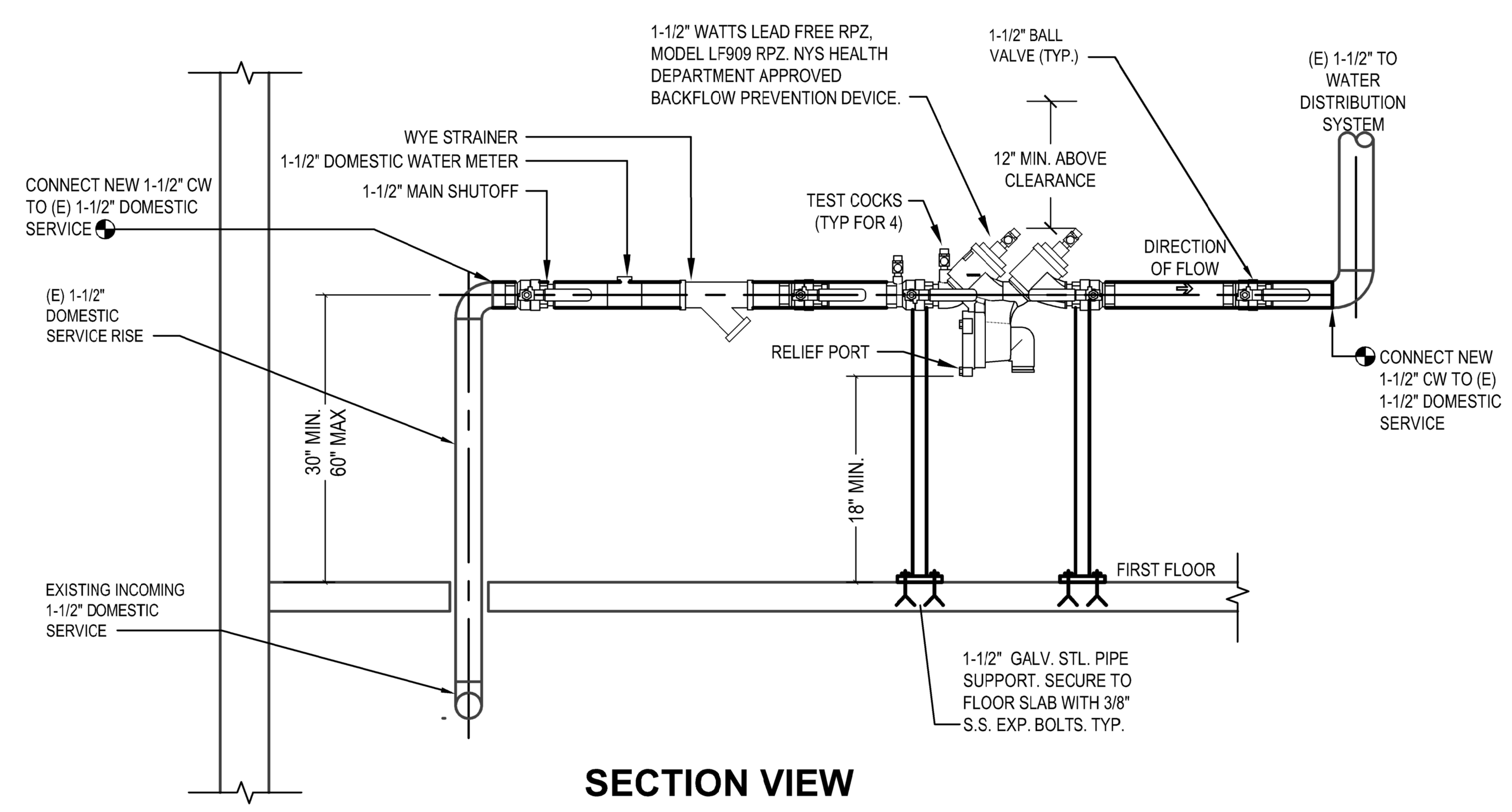
DISTRICT 0100	SECTION 80	BLOCK 3	LOT 1



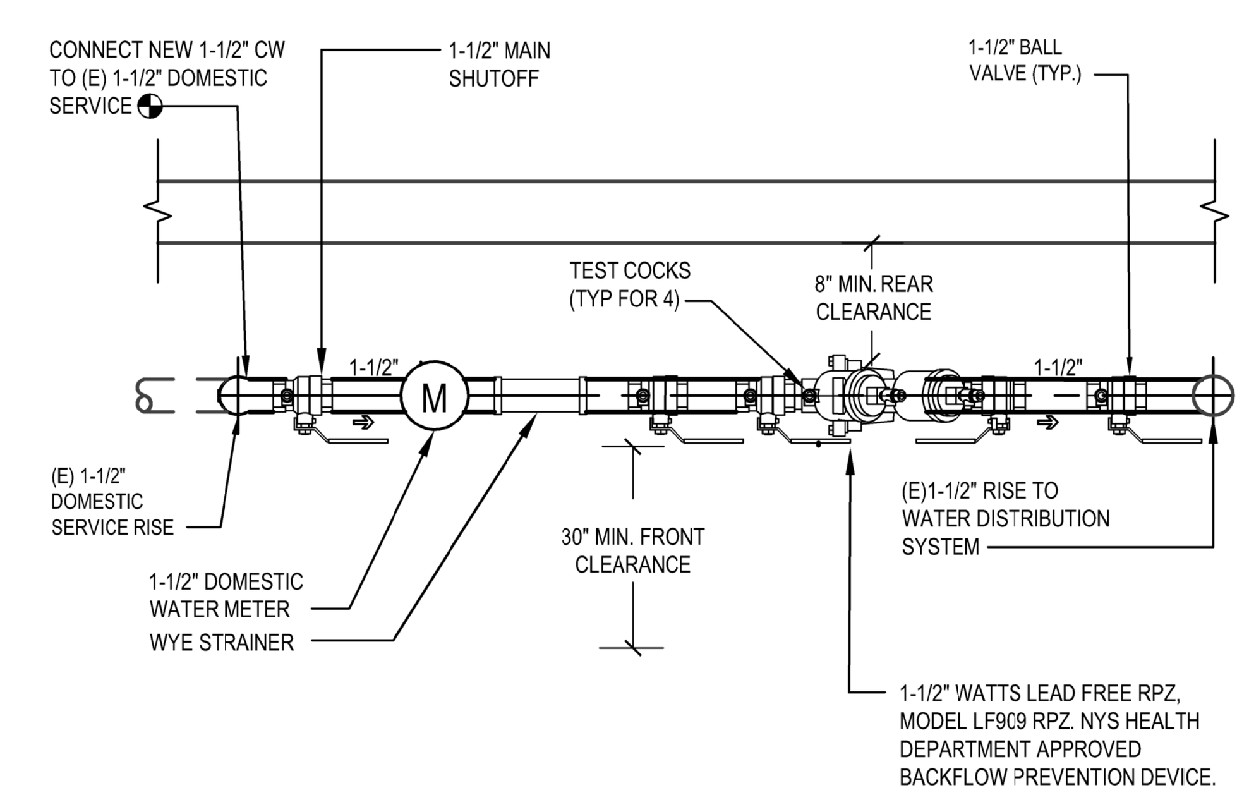
1 **Plumbing Site Plan**
SCALE: 1" = 20'-0"



2 **Key Map**
SCALE: NTS



SECTION VIEW



PLAN VIEW

3 **Domestic Service BFP Device Detail**
SCALE: NTS

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3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

PLUMBING SITE PLAN

DRAWING No.

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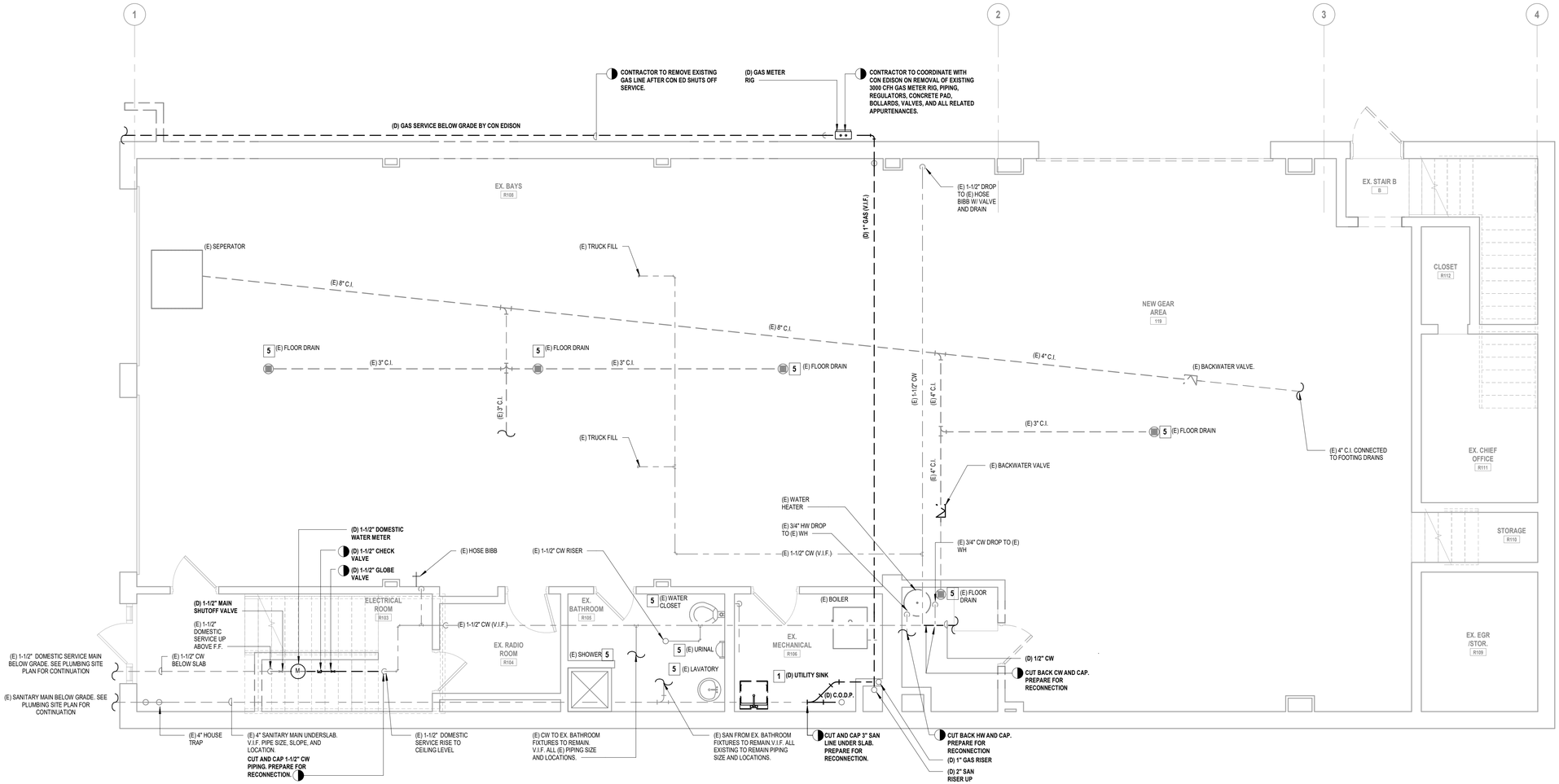

1 Plumbing Demolition First Floor Plan

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

PLUMBING DEMOLITION NOTES

GENERAL

1. PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
3. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

SCOPE OF WORK

1. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS AND UNWANTED MATERIAL OFF SITE IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
3. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ADJOINING SURFACES OUTSIDE THE CONTRACT AREA OR SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE TO EXISTING CONDITIONS SURFACE DAMAGED DURING CONSTRUCTION INCLUDING PATCHING AND PAINTING AS REQUIRED AND DEEMED NECESSARY BY THE ARCHITECT.
4. ALL EXISTING WORK REQUIRED TO REMAIN BUT INTERFERING WITH PROPOSED NEW PLUMBING (AS WELL AS ELECTRICAL, MECHANICAL AND GENERAL CONSTRUCTION WORK) SHALL BE RELOCATED AND RECONNECTED USING MATERIALS CONFORMING TO STANDARDS OF THIS CONTRACT.
5. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.
6. REMOVE BASE BUILDING PIPING AS INDICATED BELOW:
   - 6.1. REMOVE ALL ABANDONED BASE BUILDING PIPING BACK TO THE EXISTING WET COLUMNS OR SHAFTS, OR AS NOTED ON DRAWINGS.
7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
8. COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE TURNED OVER TO THE OWNER.

X KEYED PLUMBING DEMOLITION NOTES

1. COMPLETELY REMOVE AND DISPOSE OF ALL PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, SINKS URINALS, FAUCETS, FLOOR DRAINS, CLEAN OUT DECK PLATES, STOP VALVES AND ALL DEVICES USED TO SECURE THESE FIXTURES IN PLACE. WORK SHALL INCLUDE THE REMOVAL OF EXISTING SUPPORT CARRIERS AND TO CUT AND CAP ALL PLUMBING PIPING AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE ACCESS INTO WALLS, CHASES, AND SOFFITS TO ENSURE REMOVAL. UPON INSTALLATION OF NEW FIXTURES, CARRIERS, AND PIPING, THE CONTRACTOR SHALL PATCH ALL ACCESS AREAS AND PREPARE SURFACES FOR NEW FINISHES.
   - 1.1 PRIOR TO THE REMOVALS OF FIXTURES, THE CONTRACTOR SHALL MAKE ALL NECESSARY DISCONNECTS. WORK SHALL INCLUDE SANITARY, HW, CW, HWR AND VENT PIPING. THE CONTRACTORS SHALL SHUT WATER OFF TO THE FIXTURES AND REPLACE ANY DAMAGED VALVES.
   - 1.2 REMOVE AND DISPOSE OF ALL PIPING DEEMED OBSOLETE, INCLUDING WATER DISTRIBUTION, SANITARY, VENT, HANGERS, SUPPORTS, STRAPS, FITTINGS, VALVES AND ALL DEVICES USED TO SECURE THEIR PIPING/FITTINGS IN PLACE.
   - 1.3 SEAL ALL PIPING PENETRATIONS AND INSTALL FIRE-STOPPING IN ALL RATED WALLS, FLOORS, SOFFITS ETC. OPENINGS LARGER THAN 1.5x THE DIAMETER OF THE PIPING PASSING THROUGH SHALL BE SEALED WITH NON-SHRINK EPOXY GROUT.
   - 1.4 FLUSH AND SNAKE ALL SANITARY/WASTE LINES INCLUDING FLOOR DRAINS AND CLEANOUTS BACK TO THEIR ASSOCIATED RISERS PRIOR TO THE START OF THE WORK.
2. ALL WORK ASSOCIATED WITH KEY NOTE 1 EXCEPT THE PREPARATION OF INSTALLING NEW FIXTURES. CUT AND CAP ALL PIPING AT FLOOR, WALL AND/OR CEILING LEVEL OR AS INDICATED ON THE DRAWINGS.
3. CONTRACTOR TO DISCONNECT ALL PIPING FROM PLUMBING FIXTURES AND COOKING EQUIPMENT AND TURN OVER THE PLUMBING FIXTURES AND COOKING EQUIPMENT TO THE FIRE DEPARTMENT. ALL DOMESTIC, KITCHEN WASTE, SANITARY WASTE, VENT, AND GAS PIPING TO BE REMOVED IN ITS ENTIRETY. NO PIPING, VALVES, FITTINGS OR FIXTURES TO BE REUSED. ALL FIXTURES AND EQUIPMENT SHALL BE MOVED BY THE CONTRACTOR TO A LOCATION IN THE BUILDING DESIGNATED BY THE OWNER
4. CUT AND CAP DOMESTIC COLD WATER LINE TO HB. PREPARE FOR RECONNECTION.
5. EXISTING FIXTURE TO REMAIN. PROTECT DURING CONSTRUCTION AS NOTED IN PLUMBING DEMOLITION NOTES. RECONNECT ALL PIPING AS NECESSARY TO MAINTAIN EXISTING SYSTEM INTEGRITY.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

PLUMBING DEMOLITION FIRST FLOOR PLAN

DRAWING No.

PD 110.00

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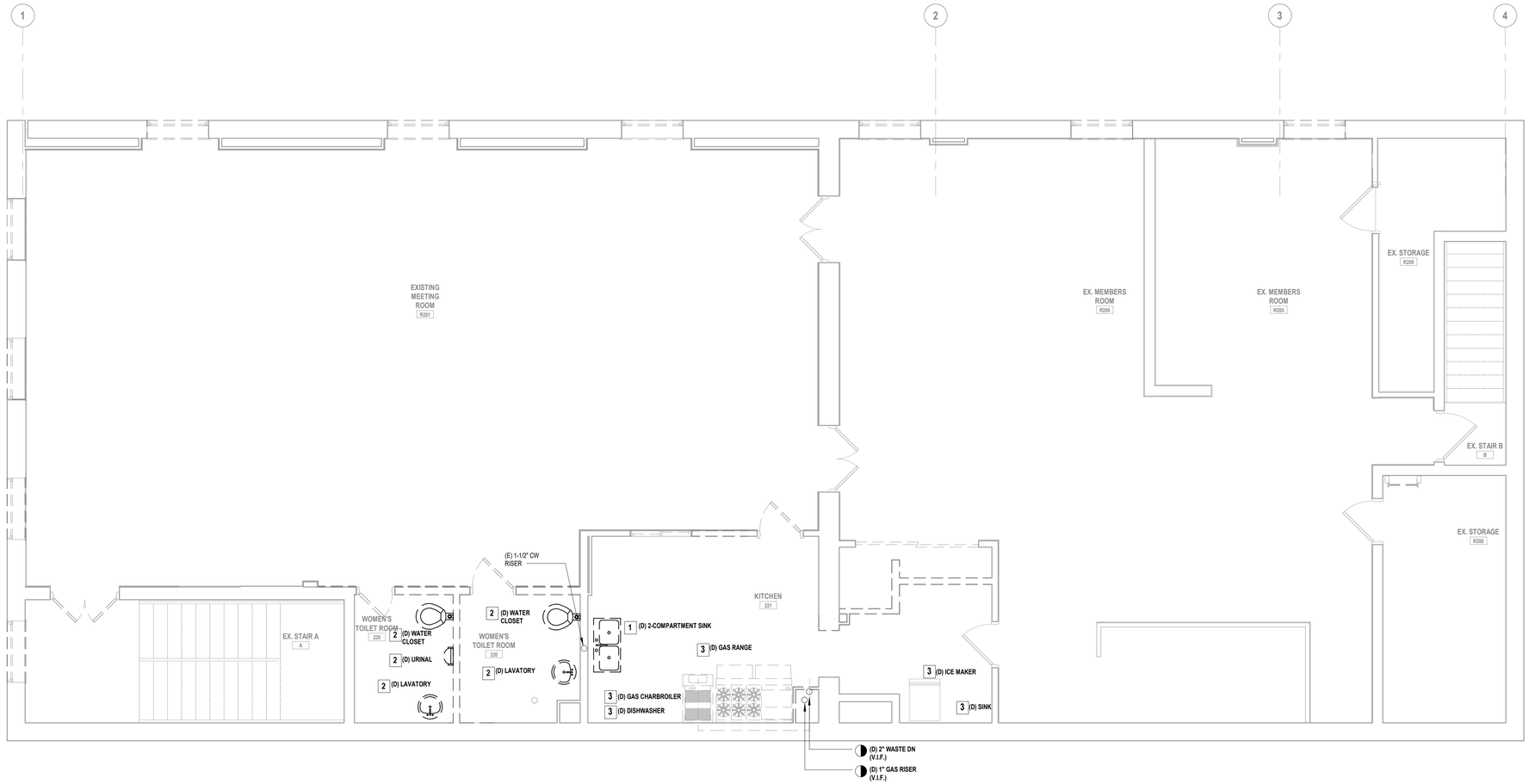

1 Plumbing Demolition Second Floor Plan

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

N

PLUMBING DEMOLITION NOTES

GENERAL

1. PRIOR TO PROPOSAL SUBMISSION, THIS CONTRACTOR SHALL VISIT THE SITE TO REVIEW THE EXISTING CONDITIONS ASSOCIATED WITH THE SCOPE OF WORK AND ADJACENT AREAS TO ASCERTAIN THE DIFFICULTIES WHICH WILL AFFECT THE EXECUTION OF THE WORK OF THIS CONTRACT.
2. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE ABOVE SITE EXAMINATION HAS BEEN MADE AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.
3. ALL DEMOLITION WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL AND NEW YORK STATE APPLICABLE BUILDING AND LIFE AND SAFETY REGULATIONS.

SCOPE OF WORK

1. DEMOLITION WORK SHALL INCLUDE ALL MATERIALS, LABOR, EXTENSIONS, CONNECTIONS, CUTTING, REPAIRING, ADAPTING AND OTHER PLUMBING WORK REQUIRED TO MAINTAIN SERVICE PENDING THE COMPLETION OF THE PERMANENT WORK. COORDINATE THE EXTENT OF DEMOLITION WORK WITH THE ARCHITECT AND BUILDING MANAGEMENT.
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5. REMOVE ALL FIXTURES AS NOTED ON THE ARCHITECTURAL PLANS. PROVIDE TEMPORARY CAPS FOR HOT, COLD AND SANITARY CONNECTIONS DURING NEW CONSTRUCTION.
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7. PROVIDE ADDITIONAL SUPPORT FOR ALL EXISTING PIPING TO REMAIN WHICH ARE AFFECTED BY DEMOLITION OF EXISTING CEILING AND PARTITIONS.
8. COORDINATE WITH OWNER TO DETERMINE WHETHER REMOVED EQUIPMENT IS TO BE TURNED OVER TO THE OWNER.
9. REMOVE AND REPLACE ALL EXISTING ROOF DRAIN AND ROOF DRAIN PIPE INSULATION WITH NEW INSULATION AS SPECIFIED.

X KEYED PLUMBING DEMOLITION NOTES

1. COMPLETELY REMOVE AND DISPOSE OF ALL PLUMBING FIXTURES INCLUDING WATER CLOSETS, LAVATORIES, SINKS URINALS, FAUCETS, FLOOR DRAINS, CLEAN OUT DECK PLATES, STOP VALVES AND ALL DEVICES USED TO SECURE THESE FIXTURES IN PLACE. WORK SHALL INCLUDE THE REMOVAL OF EXISTING SUPPORT CARRIERS AND TO CUT AND CAP ALL PLUMBING PIPING AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE ACCESS INTO WALLS, CHASES, AND SOFFITS TO ENSURE REMOVAL. UPON INSTALLATION OF NEW FIXTURES, CARRIERS, AND PIPING, THE CONTRACTOR SHALL PATCH ALL ACCESS AREAS AND PREPARE SURFACES FOR NEW FINISHES.
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4. CUT AND CAP DOMESTIC COLD WATER LINE TO HB. PREPARE FOR RECONNECTION.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

PLUMBING DEMOLITION SECOND FLOOR PLAN

DRAWING No.

PD 111.00

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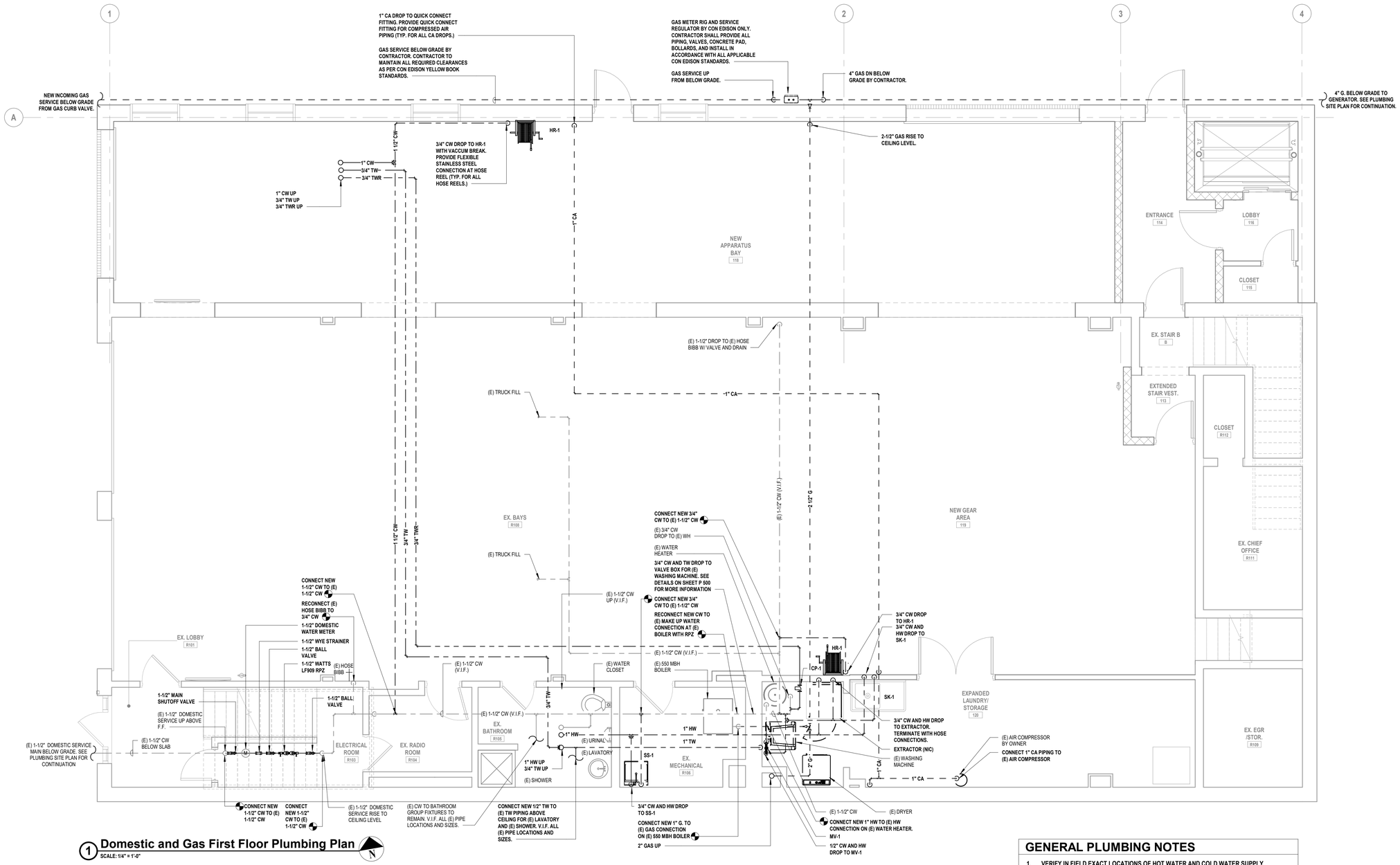

1 Domestic and Gas First Floor Plumbing Plan

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

GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW AND EXISTING PLUMBING FIXTURES.
2. INSULATE ALL NEW WATER PIPING AND RE-INSULATE ALL EXISTING WATER PIPING WHERE INSULATION IS DAMAGED OR MISSING.
3. CHASE WALLS WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.
4. INSTALL NEW SHUT OFF VALVES ON ALL COLD WATER AND HOT WATER BRANCH PIPING ENTERING TOILETS.
5. PROVIDE PIPE IDENTIFICATION ON ALL NEW AND EXISTING PIPING
6. PROVIDE VALVE TAGS ON ALL NEW AND EXISTING VALVES.

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MKIV 1802	12/13/2021	AS SHOWN

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

DOMESTIC WATER AND GAS FIRST FLOOR PLUMBING PLAN

DRAWING No.

P 120.00

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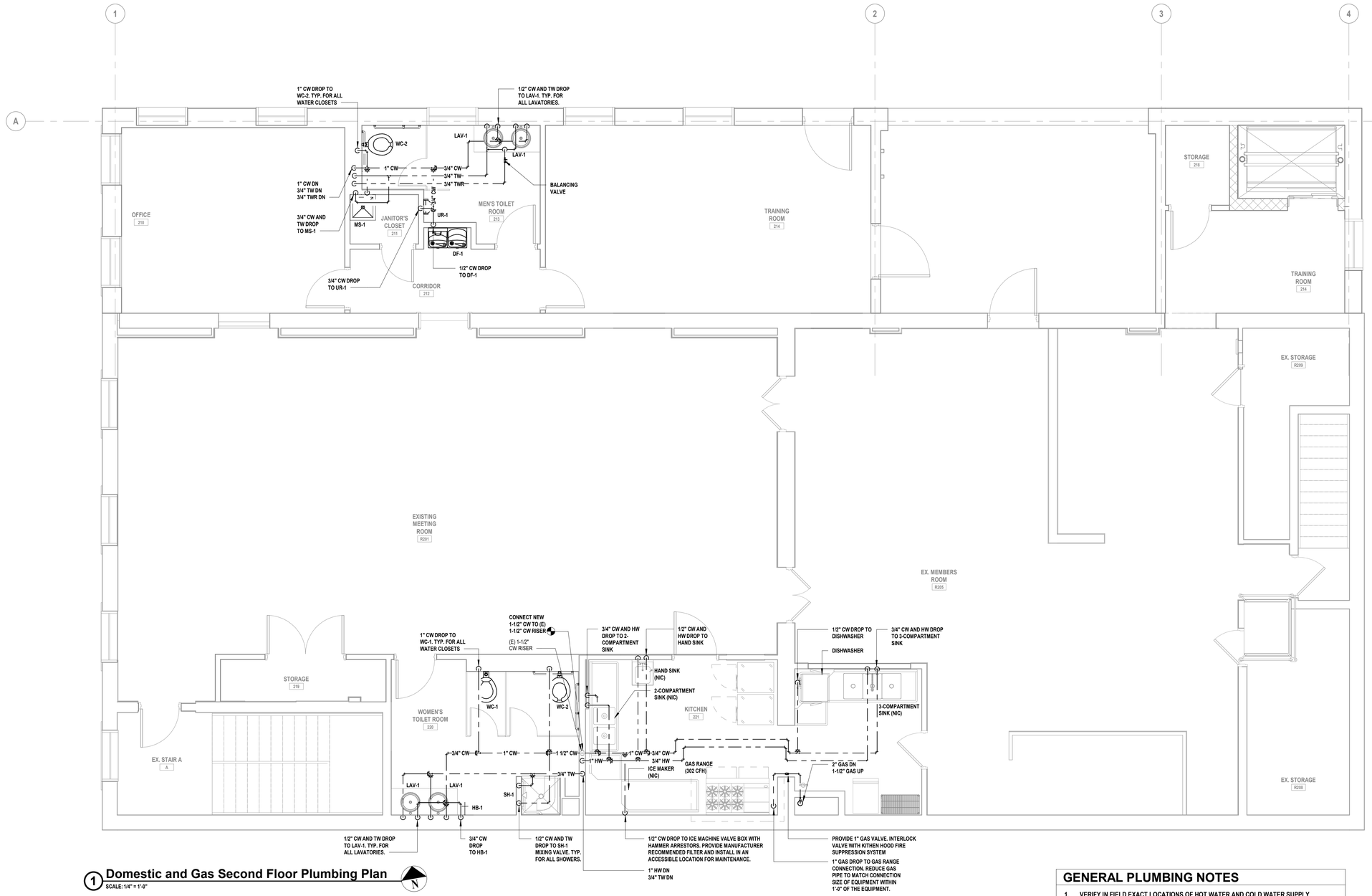

1 Domestic and Gas Second Floor Plumbing Plan

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

GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW AND EXISTING PLUMBING FIXTURES.
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4. INSTALL NEW SHUT OFF VALVES ON ALL COLD WATER AND HOT WATER BRANCH PIPING ENTERING TOILETS.
5. PROVIDE PIPE IDENTIFICATION ON ALL NEW AND EXISTING PIPING
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JRM	KJE		

PROJECT No:	DATE:	SCALE:
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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

DOMESTIC WATER AND GAS SECOND FLOOR PLUMBING PLAN

DRAWING No.

P 121.00

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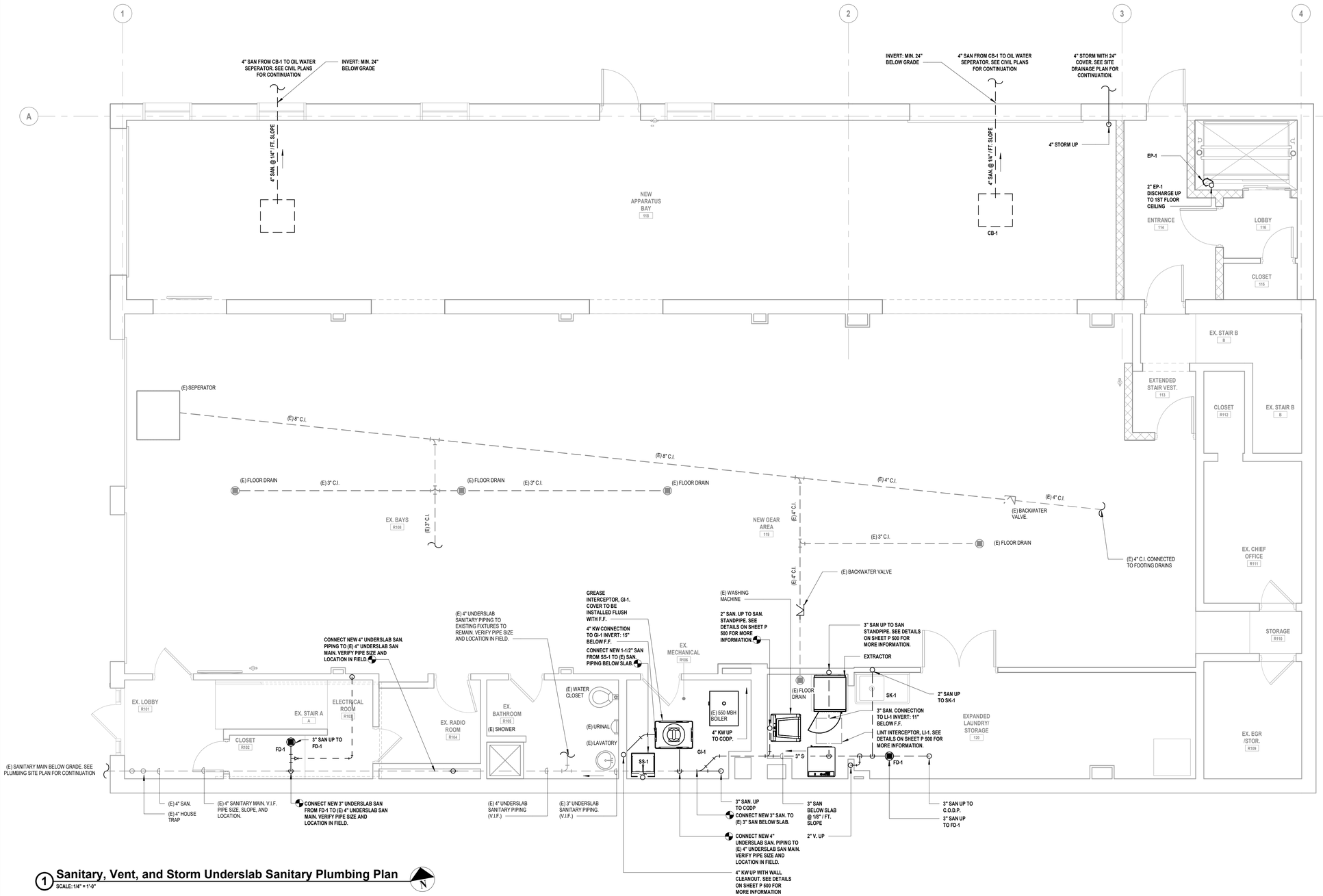
GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW AND EXISTING PLUMBING FIXTURES.
2. ALL 3" & 4" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/8"/FT. ALL 1-1/2" & 2" SANITARY PIPING TO BE SLOPED A MINIMUM OF 1/4"/FT.
3. CHASE WALLS WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.



1 Sanitary, Vent, and Storm Underslab Sanitary Plumbing Plan
SCALE: 1/4" = 1'-0"

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JRM	KJE		

PROJECT No:	DATE:	SCALE:
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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

SANITARY, VENT & STORM UNDERSLAB PLUMBING PLAN

DRAWING No.

P 130.00

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GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW AND EXISTING PLUMBING FIXTURES.
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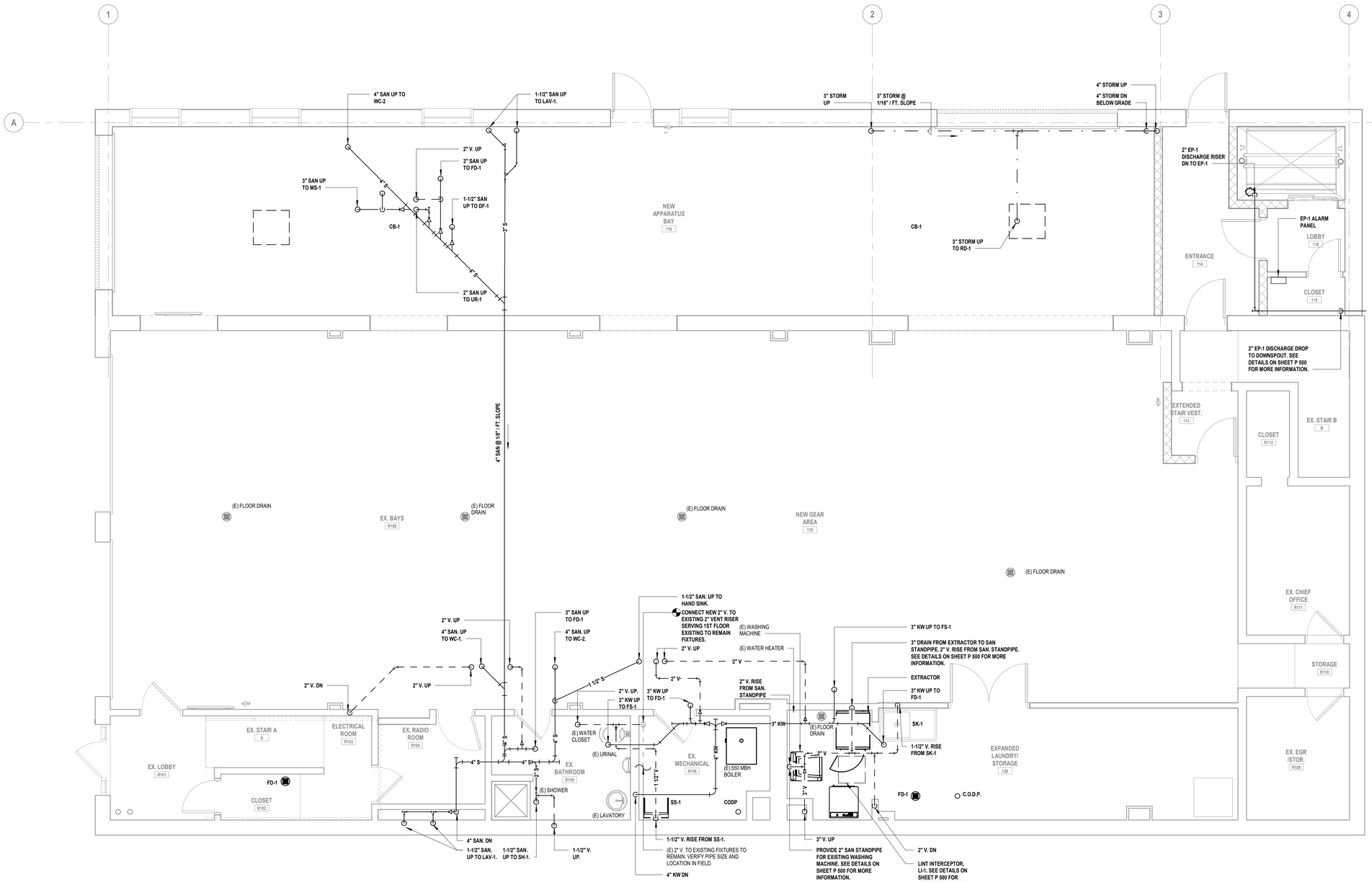
3. CHASE WALLS WILL NEED TO BE OPENED TO ALLOW ACCESS TO EXISTING PIPING AND THEN REPAIRED. REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAIL.



1 Sanitary, Vent and Storm First Floor Plumbing Plan

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

H 2 M architects + engineers

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CONSULTANTS:

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JRM	KJE		

PROJECT No:	DATE:	SCALE:
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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

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SANITARY, VENT & STORM FIRST FLOOR PLUMBING PLAN

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GENERAL PLUMBING NOTES

1. VERIFY IN FIELD EXACT LOCATIONS OF HOT WATER AND COLD WATER SUPPLY LINES, SANITARY, WASTE & VENT LINES. REROUTE AND MODIFY EXISTING PLUMBING LINES AS REQUIRED FOR CONNECTIONS TO NEW AND EXISTING PLUMBING FIXTURES.
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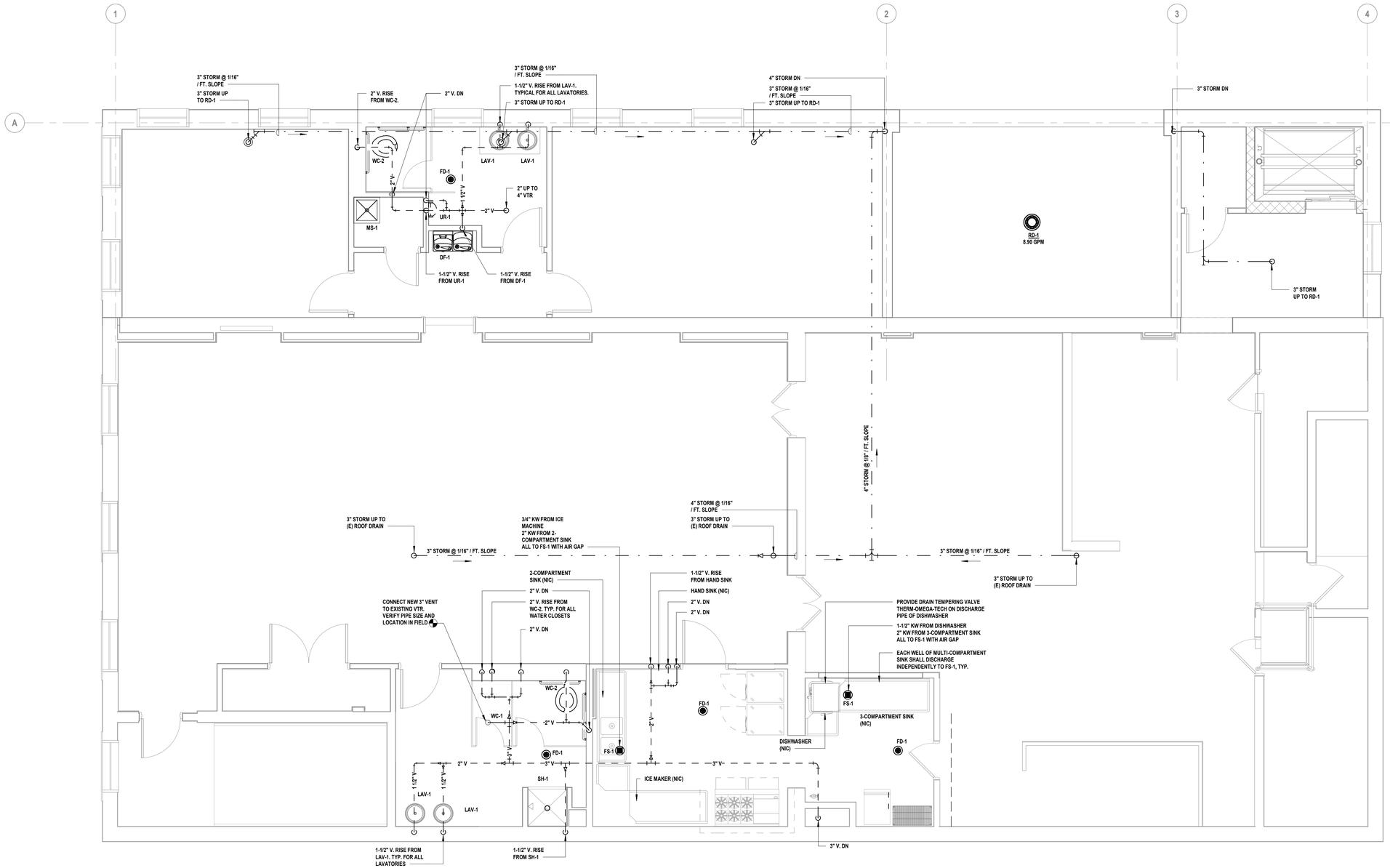

1 Sanitary, Vent and Storm Second Floor Plumbing Plan

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

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CONSULTANTS:

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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

SANITARY, VENT & STORM SECOND FLOOR PLUMBING PLAN

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P 132.00

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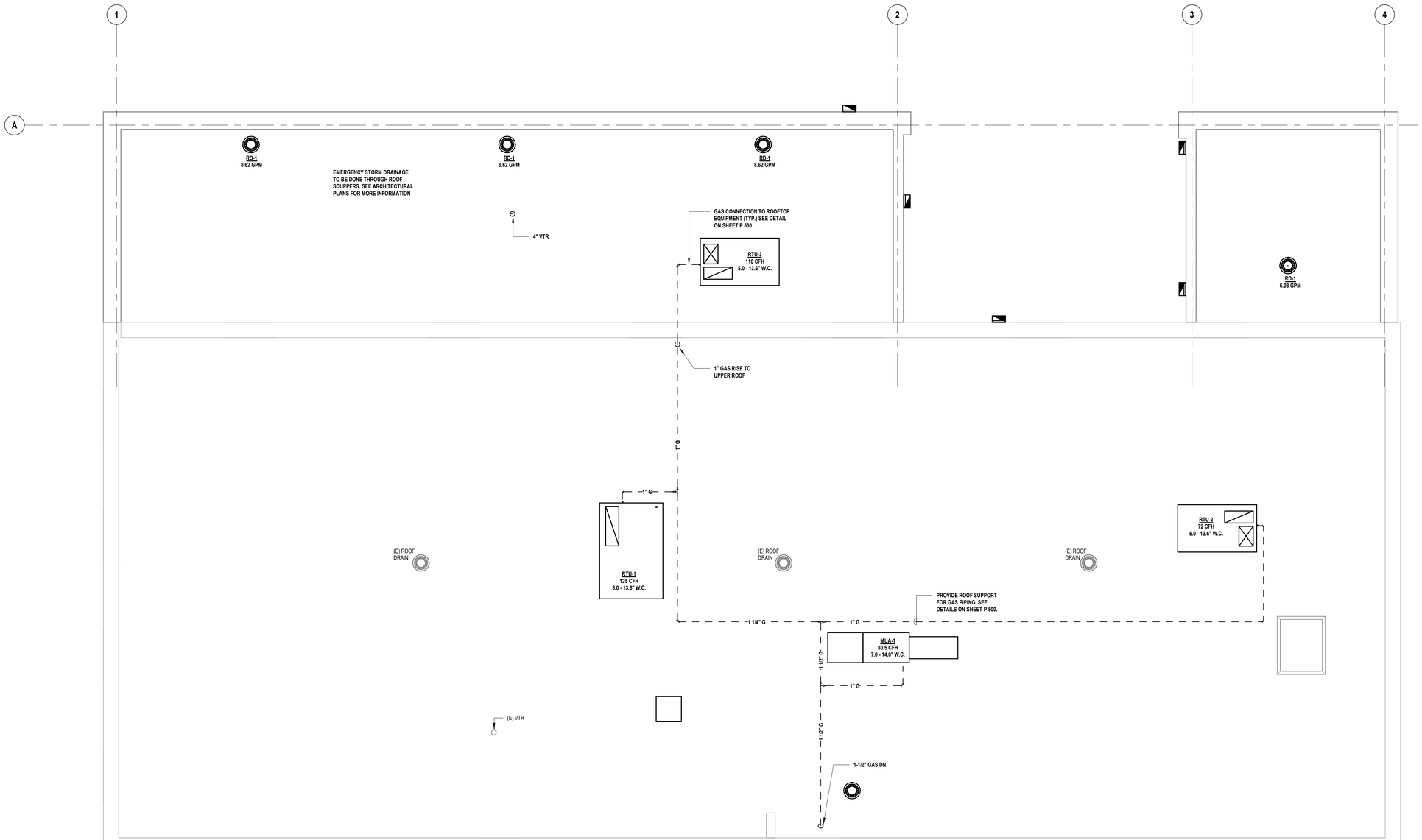

1 **Plumbing Roof Plan**
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

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CONSULTANTS:

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JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ROOF PLUMBING PLAN

DRAWING No.

P 140.00

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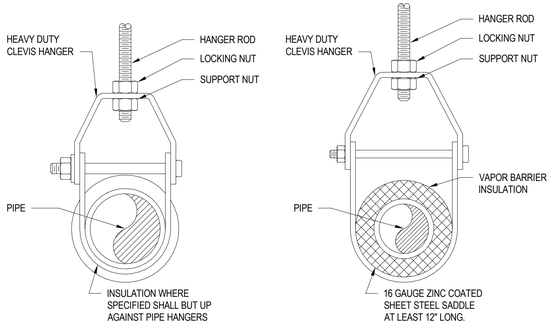
HANGER SPACING

PIPING MATERIAL	MAX. HORIZONTAL (FT)	MAX. VERTICAL (FT)
ABS PIPE	4	10
ALUMINUM TUBING	10	15
BRASS PIPE	10	10
CAST-IRON PIPE	5	15
COPPER OR COPPER ALLOY PIPE	12	10
COPPER OR COPPER ALLOY PIPE 1¼"Ø OR SMALLER	6	10
COPPER OR COPPER ALLOY PIPE 1½"Ø OR LARGER	10	10
PEX	2.67	10
CPVC 1" OR SMALLER	3	10
CPVC 1-1/4" OR LARGER	4	10
STEEL PIPE	12	15
POLYETHYLENE /ALUMINUM/ POLYETHYLENE	2.67	4
PVC PIPE	4	10
STAINLESS STEEL DRAINAGE	10	10

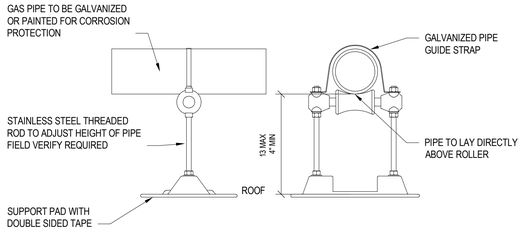
HANGER ROD SCHEDULE

PIPE SIZE	ROD SIZE	PIPE SIZE	ROD SIZE
UP TO 2"	3/8" DIA.	4" THRU 5"	5/8" DIA.
2 1/2" THRU 3"	1/2" DIA		



1 Pipe Hanger Detail

SCALE: NTS

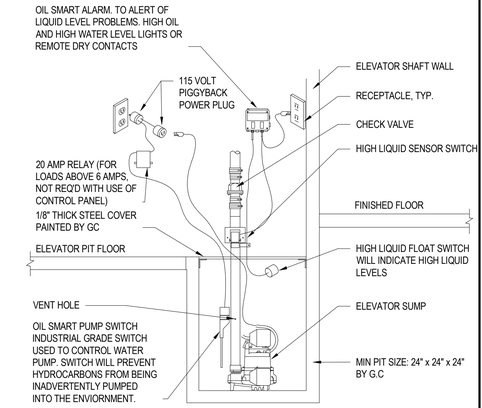


SUPPORT OF GAS PIPING

SIZE OF PIPE (IN.)	SPACING OF SUPPORTS (FT.)
1/2	6
3/4 OR 1	8
1-1/4 OR LARGER	10

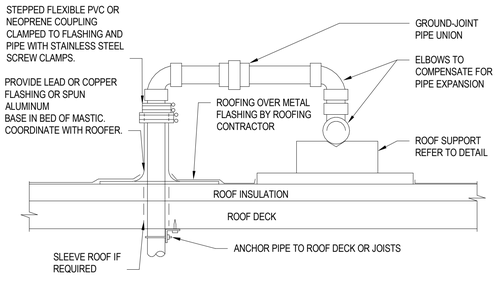
2 Roof Pipe Support Detail

SCALE: NTS



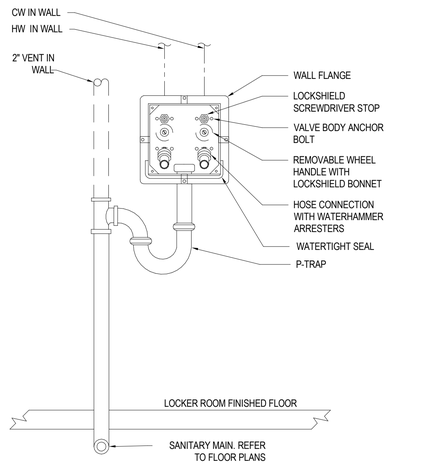
3 Elevator Oil Smart Pump Detail

SCALE: NTS



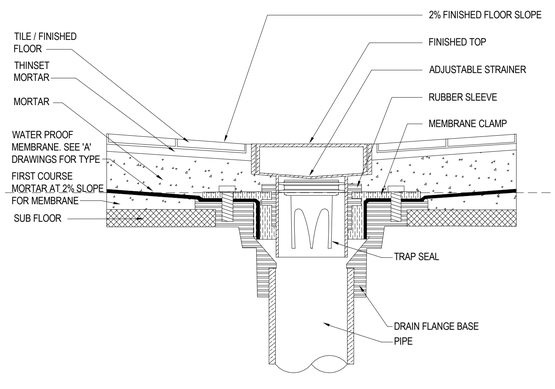
4 Roof Piping Penetration Detail

SCALE: NTS



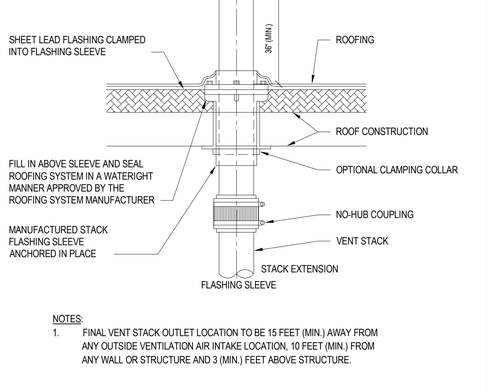
5 Washing Machine Supply And Drain Box

SCALE: NTS



6 Floor Drain Detail

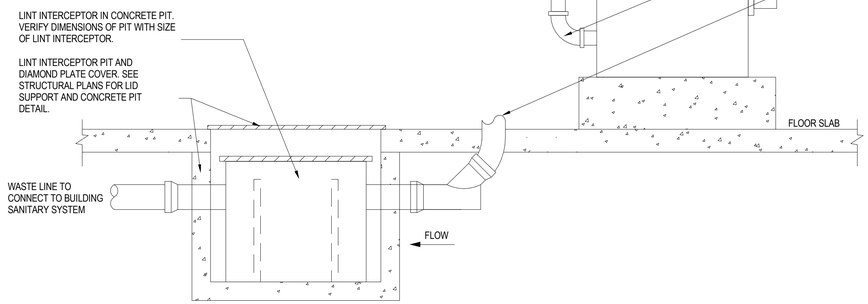
SCALE: NTS



NOTES:
1. FINAL VENT STACK OUTLET LOCATION TO BE 15 FEET (MIN.) AWAY FROM ANY OUTSIDE VENTILATION AIR INTAKE LOCATION, 10 FEET (MIN.) FROM ANY WALL OR STRUCTURE AND 3 (MIN.) FEET ABOVE STRUCTURE.

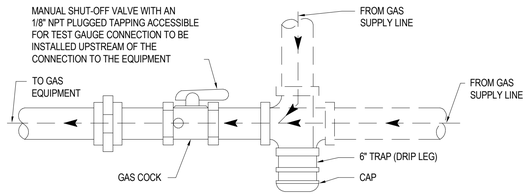
7 Vent Through Roof

SCALE: NTS



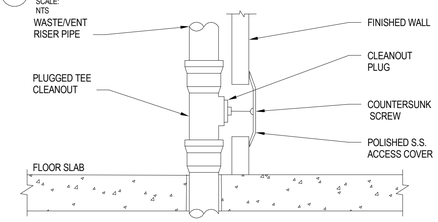
8 Lint Interceptor and Washing Machine Detail

SCALE: NTS



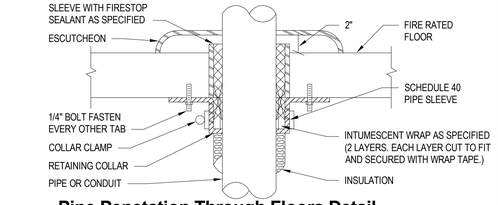
9 Typical Gas Connection Detail

SCALE: NTS



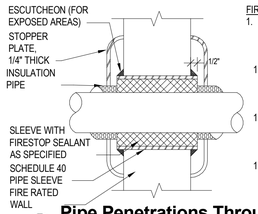
11 Wall Cleanout - Finished Rooms Detail

SCALE: NTS



10 Pipe Penetation Through Floors Detail

SCALE: NTS



FIRE STOPPING NOTES:
1. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT PENETRATIONS ARE PROPERLY FIRE STOPPED WITH THE FOLLOWING:
   - 1.A. THE FIRE STOPPING SYSTEM AND COMPONENTS SHALL BE AS MANUFACTURED BY 3M. NO SUBSTITUTIONS SHALL BE PERMITTED.
   - 1.B. METAL PIPES OR CONDUIT THROUGH BLOCK WALL SHALL USE UL SYSTEM NO. CAJ1044 AND 3M PRODUCT CP25 WB & CAULK
   - 1.C. METAL PIPES THROUGH GYPSUM WALLS SHALL USE UL SYSTEM NO. WL 1001 AND 3M PRODUCT CP 25 WB & CAULK

12 Pipe Penetrations Through Fire Rated Walls

SCALE: NTS

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3 Lear Jet Lane, Suite 205
Latham, NY 12110
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CONSULTANTS:

MARK	DATE	DESCRIPTION

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JRM	KJE		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

PLUMBING DETAILS

DRAWING No.

P 500.00

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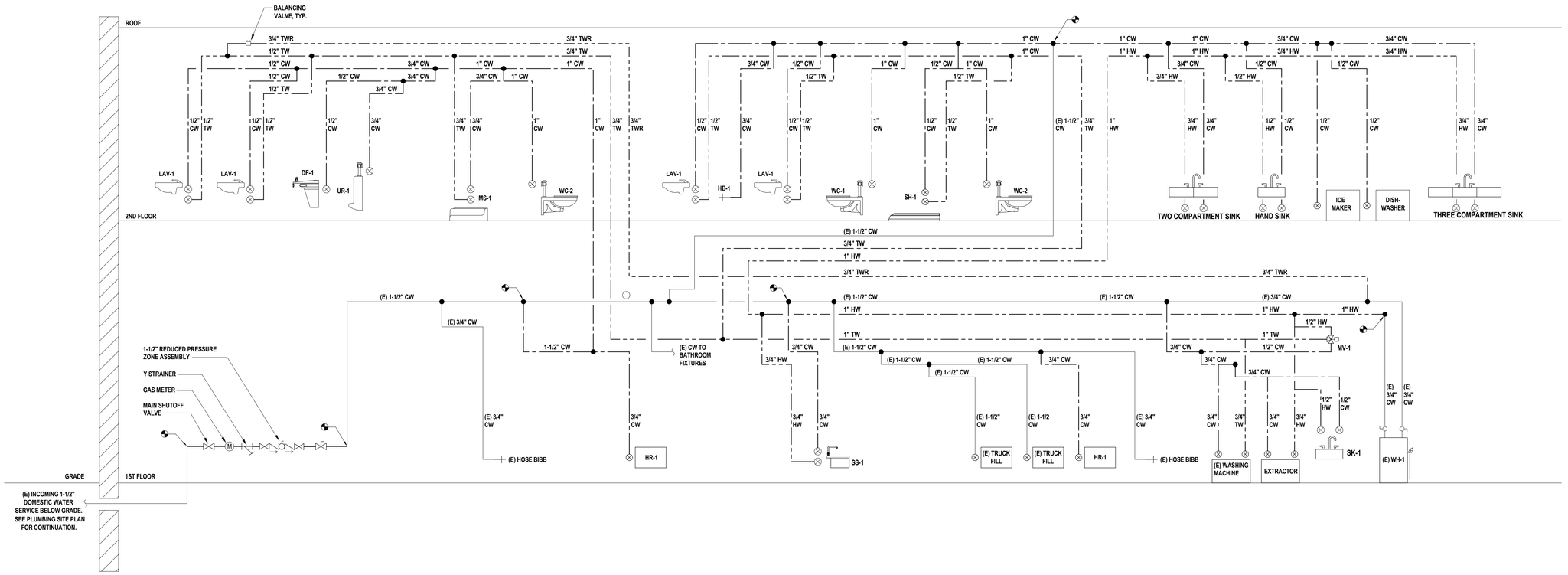
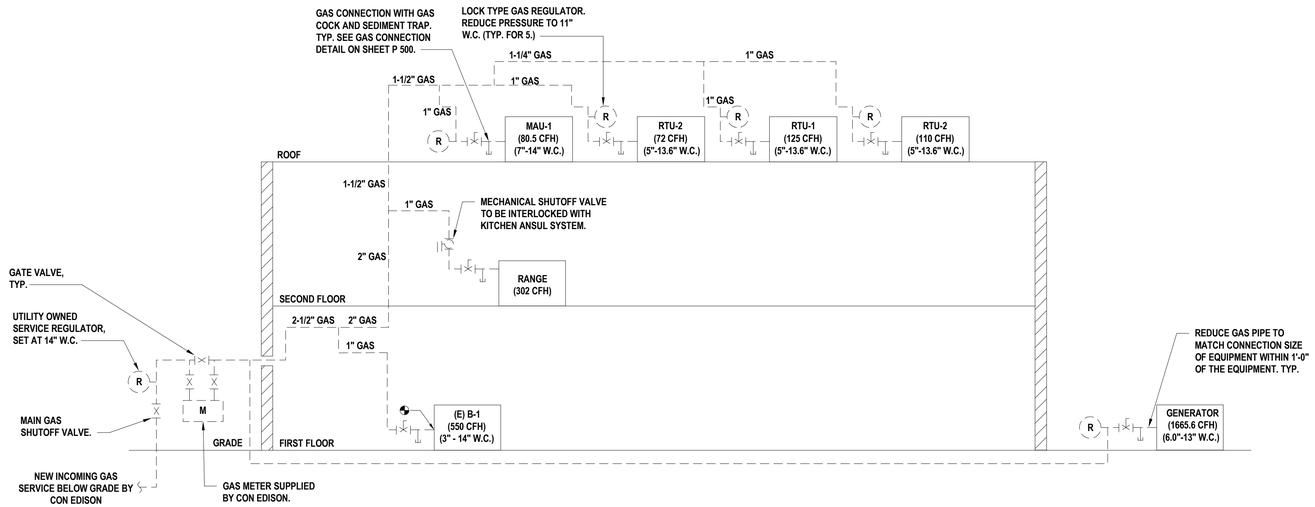


1 Domestic Riser Diagram

SCALE: NTS



2 Gas Riser Diagram

SCALE: N.T.S.

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3 Lear Jet Lane, Suite 205
Latham, NY 12110
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DOMESTIC WATER AND GAS RISER DIAGRAMS

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P 600.00

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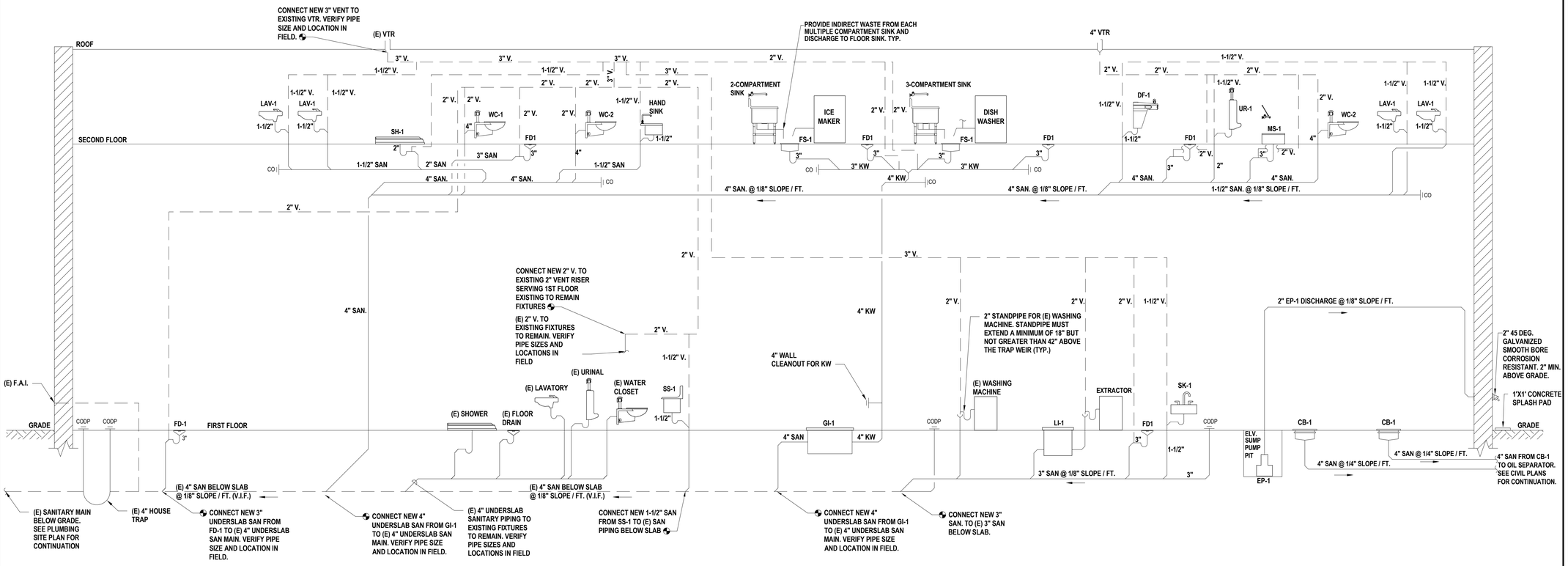
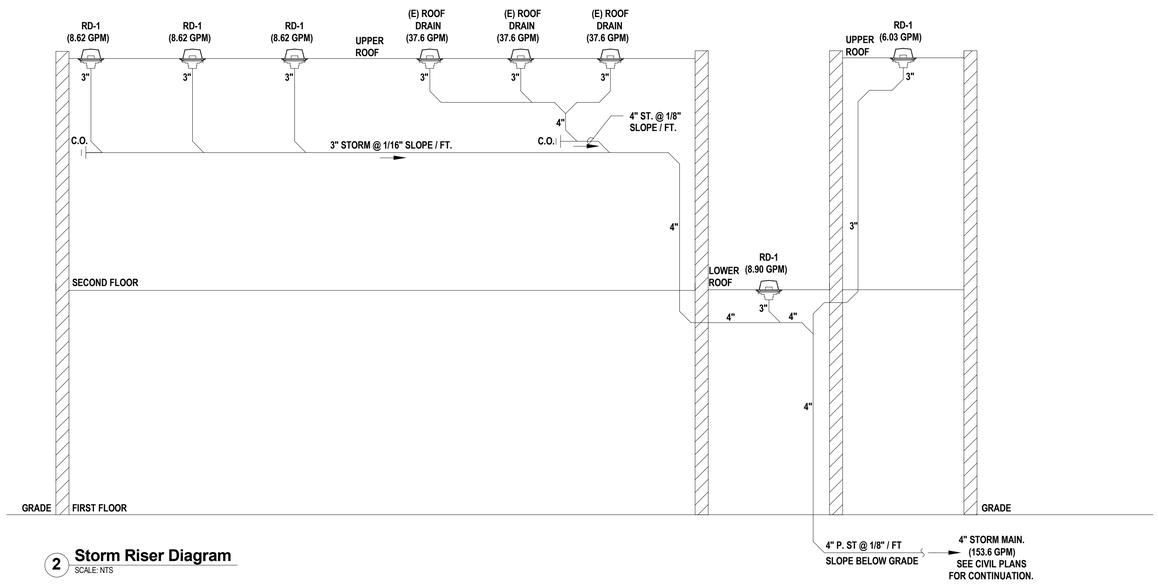


1 Sanitary and Vent Riser Diagram

SCALE: NTS



2 Storm Riser Diagram

SCALE: NTS

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

SANITARY, VENT, AND STORM RISER DIAGRAMS

DRAWING No.

P 601.00

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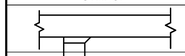
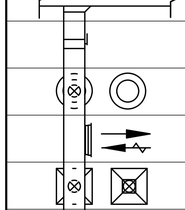
ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
BCU	BUILDING CONTROL UNIT
BTU	BRITISH THERMAL UNIT
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
COMM.	COMMUNICATION
CV	CONTROL VALVE
(D)	DEMOLISHED
DB	DRY BULB
DCV	DEMAND CONTROLLED VENTILATION
DEG. F	DEGREES FAHRENHEIT
DIA	DIAMETER
DX	DIRECT EXPANSION
"E"	ELECTRICAL CONTRACTOR
(E)	EXISTING
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATING
ESP	EXTERNAL STATIC PRESSURE
FAI	FRESH AIR INTAKE
FD	FLOOR DRAIN
FLA	FULL LOAD AMPS
FT. H2O	FEET OF WATER
'G'	GENERAL CONSTRUCTION CONTRACT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H	HEIGHT
'H'	HVAC CONTRACT
HP	HORSEPOWER
IN.	INCHES
IN. W.C.	INCHES WATER COLUMN (WATER GUAGE)
KW	KILOWATTS
L	LENGTH
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LCD	LIQUID CRYSTAL DISPLAY
LDB	LEAVING DRY BULB TEMPERATURE
LWB	LEAVING WET BULB TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MBH	1,000 BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPACITY
MIN	MINIMUM
MFA	MANUFACTURER
N.C.	NORMALLY CLOSED
N.O	NORMALLY OPEN
NFPA	NATIONAL FIRE PROTECTION AGENCY
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OAI	OUTSIDE AIR INTAKE
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
'P'	PLUMBING CONTRACT
PD	PRESSURE DROP
PSIG	LBS / PER SQUARE INCH (GUAGE PRESSURE)
RD	ROOF DRAIN
RPM	REVOLUTIONS PER MINUTE
RPZ	REDUCED PRESSURE ZONE
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATING
TEMP	TEMPERATURE
TG	TRANSFER GRILLE
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
W	WIDTH
WB	WET BULB
WMS	WIRE MESH SCREEN

DUCTWORK LEGEND

SYMBOL	ABBREV	DESCRIPTION
		NEW DUCTWORK WITH 45 DEGREE TAKE OFF
	VD	VOLUME DAMPER
	CD	ROUND SUPPLY CEILING DIFFUSER
	SEE AIR DEVICE SCHEDULE	SIDEWALL SUPPLY, RETURN OR EXHAUST
	SEE AIR DEVICE SCHEDULE	SQUARE SUPPLY CEILING DIFFUSER
	SEE AIR DEVICE SCHEDULE	CEILING RETURN OR EXHAUST GRILLE
		FLEX DUCT
	FC	FLEXIBLE CONNECTION
		TURNING VANES
		RECTANGULAR TO ROUND TRANSITION
	AL	ACOUSTICAL LINING
		END CAP
	SEE AIR DEVICE SCHEDULE	SUPPLY DIFFUSER WITH DIRECTIONAL FLOW (SOLID HATCH INDICATES BLANK OFF PANEL)
		SUPPLY DUCT DROP
		RETURN/EXHAUST DUCT DROP
		SUPPLY DUCT RISE
		RETURN/EXHAUST DUCT RISE
CM RAL D WP S	DSD	DUCT SMOKE DETECTOR (SUPPLY)
CM RAL D WP R	DSD	DUCT SMOKE DETECTOR (RETURN)
M	MD	MOTORIZED DAMPER WITH ACTUATOR
	FD/AD	FIRE DAMPER WITH ACCESS DOOR
	FSD/AD	FIRE SMOKE DAMPER WITH ACCESS DOOR
		WORK TO BE REMOVED
		POINT OF DISCONNECTION FROM EXISTING
		POINT OF RECONNECTION TO EXISTING

CONTROLS LEGEND

SYMBOL	ABBREV	DESCRIPTION
C		CARBON MONOXIDE SENSOR
T		THERMOSTAT
S		DIGITAL TEMPERATURE SENSOR
H		HUMIDITY SENSOR
C2		CARBON DIOXIDE SENSOR

PIPING LEGEND

SYMBOL	ABBREV	DESCRIPTION
		NEW WORK
		PIPING DOWN/ PIPING UP
		BALL VALVE WITH HOSE END CONNECTION
	TH	THERMOMETER
	U	UNION
	FPC	FLEXIBLE PIPE CONNECTION/ FLEX PIPE
		DIRECTION OF FLOW
	PSR	PRESSURE SAFETY AND RELIEF VALVE
	PRV	PRESSURE REDUCING VALVE
	BV	BALL VALVE
	BA	BALANCING VALVE
	BFV	BUTTERFLY VALVE
		TEMPERATURE SENSOR WITH THERMOWELL
	GA	GATE VALVE
	GB	GLOBE VALVE
	AV	AUTOMATIC AIR VENT
	CV	2-WAY CONTROL VALVE
	CV	3-WAY CONTROL VALVE
		PLUG VALVE
	STR	STRAINER
	FD	FLOOR DRAIN
S		AIR SEPARATOR
F&T		STEAM TRAPS (INDICATE TYPE)
	CH	CHECK VALVE
	PG	PRESSURE GAUGE WITH GAUGE COCK
	RED	REDUCER
CO.	CO	CLEANOUT END CAP
		CAPPED PIPE
		PUMP
		WORK TO BE REMOVED
		POINT OF DISCONNECTION FROM EXISTING
		POINT OF RECONNECTION TO EXISTING
	TDV	TRIPLE DUTY VALVE

HVAC SHEET LIST

Sheet Number	Sheet Name
M 001.00	GENERAL HVAC NOTES, LEGENDS, AND ABBREVIATIONS
M 101.00	FIRST FLOOR HVAC PLAN
M 132.00	SECOND FLOOR HVAC PLAN
M 133.00	ROOF HVAC PLAN
M 510.00	DETAILS (1 OF 2)
M 520.00	DETAILS (2 OF 2)
M 610.00	SCHEDULES (1 OF 2)
M 620.00	SCHEDULES (2 OF 2)
M 630.00	KITCHEN SCHEDULE AND DETAILS (1 OF 2)
M 631.00	KITCHEN SCHEDULES AND DETAILS (2 OF 2)
MD 101.00	FIRST FLOOR HVAC DEMO PLAN
MD 102.00	SECOND FLOOR HVAC DEMO PLAN
MD 103.00	ROOF HVAC DEMO PLAN

ENERGY CODE STATEMENT
TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PROFESSIONAL JUDGEMENT, THE DRAWINGS AND SPECIFICATIONS WHICH COMPRISE THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT ARE IN COMPLIANCE WITH THE LATEST EDITIONOF THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE.

PIPING SYMBOLS AND ABBREVIATIONS

SYMBOL	DESCRIPTION
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
RS/RL	REFRIGERANT SUCTION & LIQUID
C	CONDENSATE DRAIN LINE

EQUIPMENT ABBREVIATIONS

IDENTIFICATION	DESCRIPTION
RTU-1	ROOFTOP UNIT - No. 1
DSEU-1	DUCTLESS SPLIT EVAPORATOR UNIT - No .1
DSCU-1	DUCTLESS SPLIT CONDENSING UNIT - No .1
EF-1	EXHAUST FAN - No. 1
ECH-1	ELECTRIC CABINET HEATER - No. 1
HWUH-1	HOT WATER UNIT HEATER - No. 1
CP-1	CIRCULATOR PUMP - No. 1
AS-1	AIR SCRUBBER - No. 1
L-1	LOUVER - No. 1

GENERAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. THE CONTRACTOR, BY PRESENTING THEIR BID FOR THE WORK, REPRESENTS THAT HE/SHE HAS INSPECTED THE SITE AND IS COMPLETELY FAMILIAR WITH THE SCOPE OF WORK AND ALL FIELD CONDITIONS RELATED TO, AND AFFECTING THE WORK AND ITS PERFORMANCE. EXCEPTIONS AFFECTING THE WORK AND ITS PERFORMANCE, OR CONFLICTS BETWEEN FIELD CONDITIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE SUBMISSION OF BIDS.
3. PERFORM ALL WORK IN ACCORDANCE WITH THE PLUMBING CODE, FIRE CODE, MECHANICAL CODE, ENERGY CONSERVATION CONSTRUCTION CODE, AND FUEL GAS CODE OF NEW YORK STATE AND REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION.
4. COMPLY WITH THE NATIONAL ELECTRIC CODE AND THE REQUIREMENTS OF DIVISION 26 FOR ALL ELECTRICAL INSTALLATIONS.
5. FIRE STOP ALL OPENINGS IN FIRE RATED CONSTRUCTION FOR PIPING, DUCTWORK, CONDUIT, ETC. PROVIDE FIRE DAMPERS AND ACCESS DOORS IN ALL OPENINGS IN FIRE RATED FLOORS, PARTITIONS, AND WALLS FOR DUCTWORK AS PER THE MECHANICAL CODE OF NEW YORK STATE. (SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED CONSTRUCTION.)
6. DO NOT SCALE DRAWINGS. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS, PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S REQUIREMENTS TO PROVIDE PROPER CLEARANCE FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION AND CONTRACTOR'S FABRICATED ITEMS SHALL ENSURE A PROPER "FIT" AND INSTALLATION. BRING ANY CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER DURING THE SUBMITTAL PHASE FOR RESOLUTION PRIOR TO PURCHASING ANY EQUIPMENT.
7. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS. WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 6'-8" CLEARANCE FROM FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.
8. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK. OBTAIN THE APPROVAL OF THE ARCHITECT/ENGINEER FOR MODIFICATIONS.
9. PROVIDE PRODUCTS OF ONE MANUFACTURER WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF MATERIAL OR EQUIPMENT IS REQUIRED.
10. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS. REFER TO DETAILS FOR ADDITIONAL PIPING AND EQUIPMENT INSTALLATION REQUIREMENTS.
11. LOCATE ALL TEMPERATURE, PRESSURE, AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER TO ENSURE MANUFACTURER CERTIFIED ACCURACY.
12. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURER'S CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL PIPING AND DUCT TRANSITIONS REQUIRED FOR FINAL CONNECTIONS TO EQUIPMENT.
13. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.
14. COORDINATE INSTALLATION OF SUPPLY AND RETURN GRILLES WITH INSTALLATION OF FINISHED CEILINGS.
15. COMPLETE ALL PRESSURE TESTS BEFORE ANY MECHANICAL EQUIPMENT, DUCTWORK, OR PIPING INSULATION IS APPLIED.
16. TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). PERFORM ALL TESTING, ADJUSTING, AND BALANCING IN ACCORDANCE WITH THE SPECIFICATIONS.
17. MAKE ALL ATTACHMENTS TO JOISTS, TRUSSES, OR JOIST GIRDERS AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. THE USE OF C-CLAMPS IS NOT PERMITTED.
18. PROVIDE CONCRETE PADS A MINIMUM OF 6 INCHES HIGH FOR ALL FLOOR MOUNTED EQUIPMENT. EXTEND PAD 4 INCHES BEYOND THE EQUIPMENT ON ALL SIDES.
19. LINE ALL SUPPLY AND RETURN DUCTWORK WITHIN 20 FEET UPSTREAM AND DOWNSTREAM OF FANS WITH 1" THICK INSULATION. SEE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
20. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS, AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIR STREAM. PROVIDE TRAP AT CONNECTION, WATER SEAL DEPTH 1 INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY ARCHITECT/ENGINEER.
21. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING HUNG CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
22. PROVIDE SMOKE DETECTORS IN DUCTWORK FOR AIR HANDLING UNITS RATED AT 2,000 CFM OR GREATER. SMOKE DETECTOR SUPPLY AND WIRING IS PART OF CONTRACT 'E'.
23. PROVIDE ALL NECESSARY CONTROL WIRING, CONDUIT, AND ACCESSORIES AS REQUIRED TO PROVIDE FULLY FUNCTIONING SYSTEMS AND SEQUENCES OF OPERATION.
24. PROVIDE ALL LINTELS FOR DUCT AND PIPE PENETRATIONS IN INTERIOR MASONRY WALLS.
25. PROVIDE ALL SLEEVES FOR PIPE AND CONDUIT FLOOR, WALL, PARTITION, AND ROOF PENETRATIONS.
26. PROVIDE ALL CURBS FOR ALL ROOF MOUNTED EQUIPMENT AND DUCT PENETRATIONS.
27. REMOVE CHASE ENCLOSURE COVER WHEN PERFORMING WORK IN ANY CHASE, AND REINSTALL THE CHASE ENCLOSURE COVER WHEN WORK IS COMPLETE.

WORK IN EXISTING AREAS

1. EXISTING CONDITIONS, INCLUDING EQUIPMENT, DUCT AND PIPE SIZES AND LOCATIONS, INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC. CONFIRM ALL EXISTING CONDITIONS PRIOR TO PROCEEDING WITH THE WORK.
2. CUT AND ROUGH PATCH EXISTING CONSTRUCTION AS REQUIRED FOR THE PERFORMANCE OF THE WORK. FINISH PATCHING AND FLASHING REQUIREMENTS ARE SHOWN ON THE ARCHITECTURAL DRAWINGS. PERFORM ALL CUTTING AND PATCHING WORK IN A MANNER SUCH THAT EXISTING WARRANTEES/GUARANTEES ARE NOT VOIDED, USE QUALIFIED PERSONNEL IN PERFORMANCE OF WORK.

LEGENDS/ABBREVIATIONS NOTES

1. ABBREVIATIONS AND SYMBOLS ON THIS SHEET DO NOT DEFINE THE SCOPE OF WORK.

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	TDV	LC	LC

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

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STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
GENERAL HVAC NOTES, LEGENDS, AND ABBREVIATIONS

DRAWING No.
M 001

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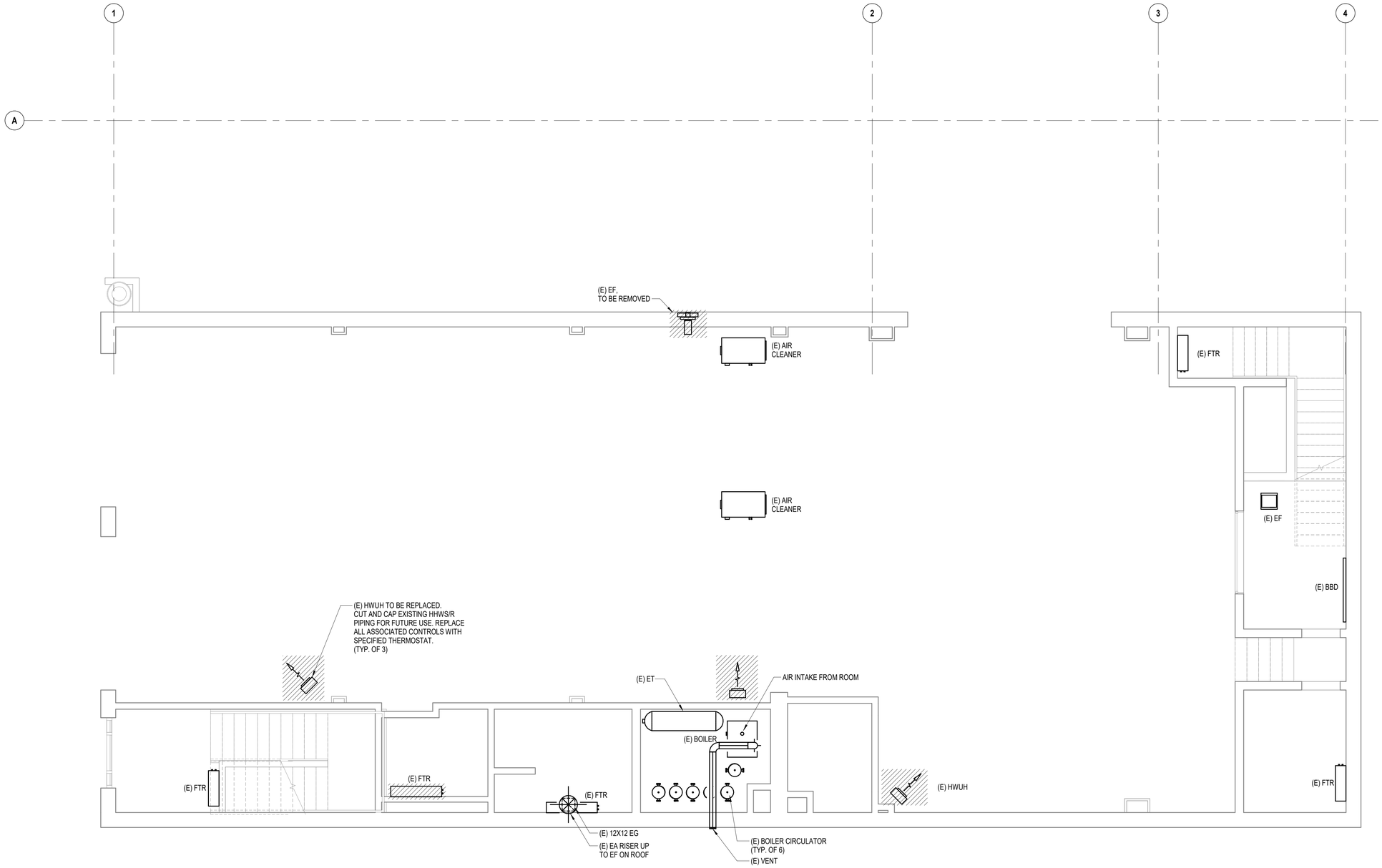
GENERAL DEMOLITION WORK NOTES:

1. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
3. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER, AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.



1 First Floor HVAC Demo Plan
SCALE: 1/4" = 1'-0"

H 2 M architects + engineers

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PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

FIRST FLOOR HVAC DEMO PLAN

DRAWING No.

MD 101

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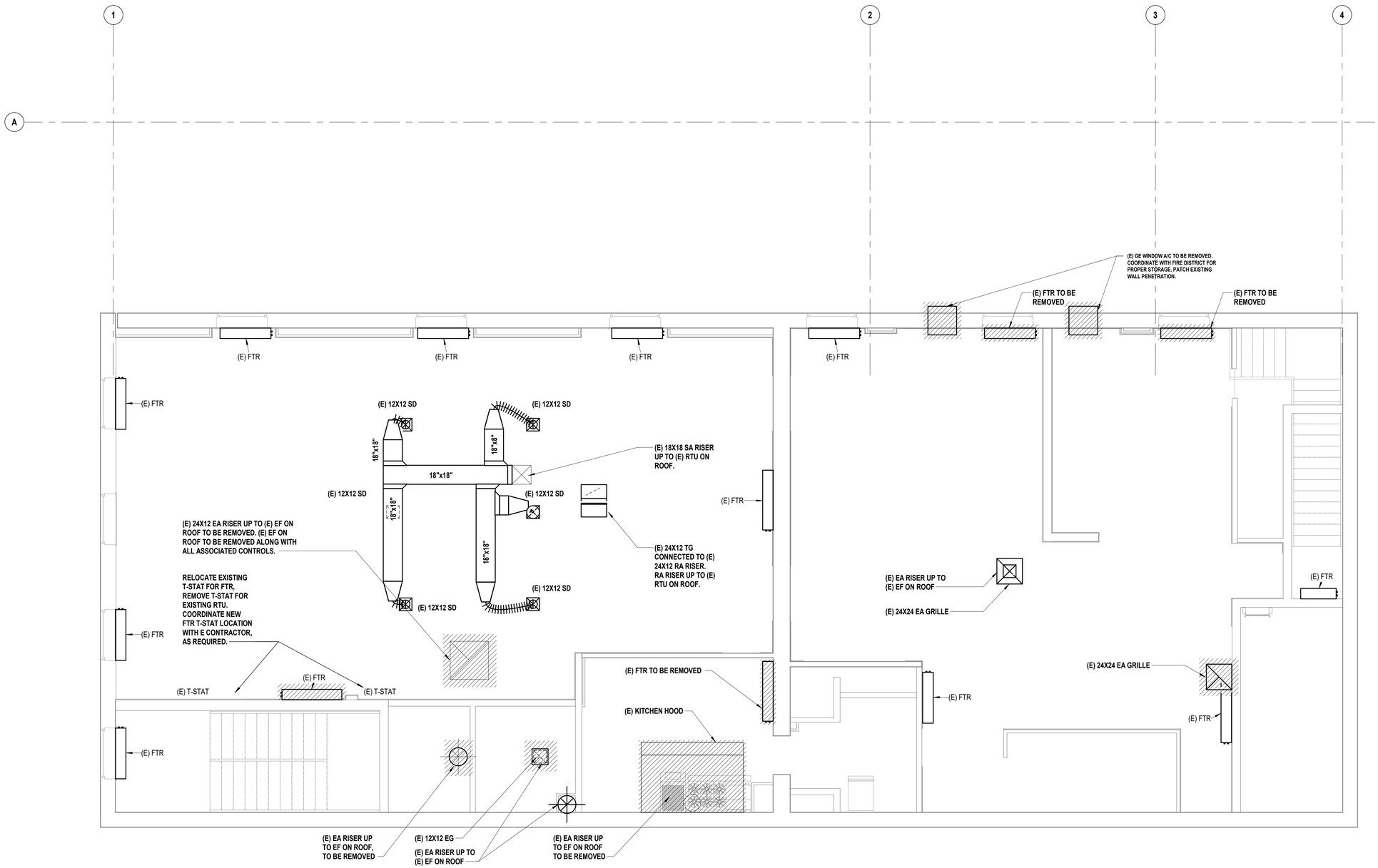
GENERAL DEMOLITION WORK NOTES:

1. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACESSHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
3. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER, AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
4. EXISTING FINNED TUBE RADIATORS (FTR) SHOWN TO BE REMOVED, SHALL BE REMOVED IN ITS ENTIRETY, REPIPE HHWS AND HHWR PIPING AS NECESSARY TO MAINTAIN HOT WATER LOOP.



1 Second Floor HVAC Demo Plan
SCALE: 1/4" = 1'-0"

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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SHEET TITLE

SECOND FLOOR HVAC DEMO PLAN

DRAWING No.

MD 102

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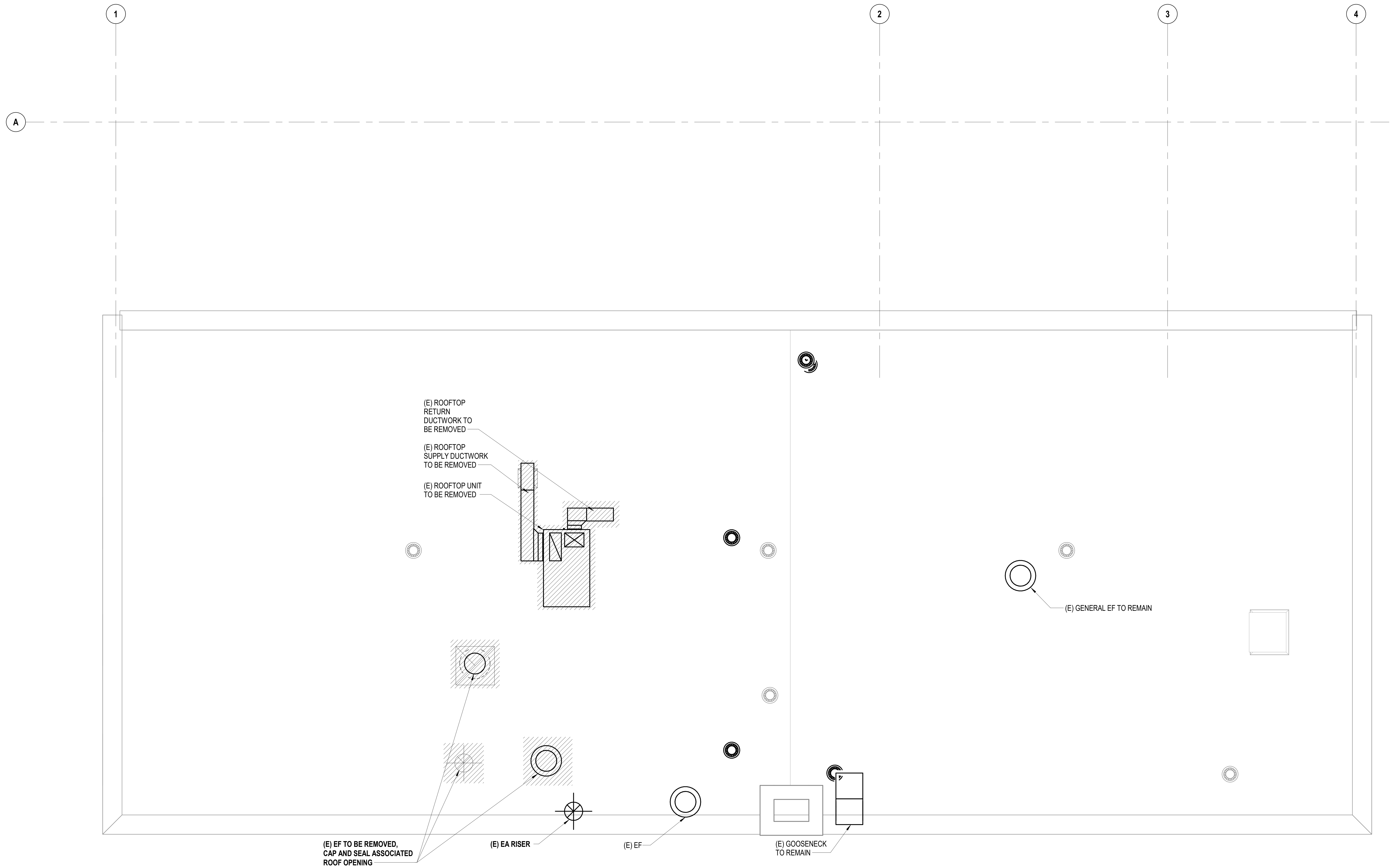
GENERAL DEMOLITION WORK NOTES:

1. OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACESSHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE OWNER.
2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
3. THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER, AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.



1 Roof HVAC Demo Plan
SCALE: 1/4" = 1'-0"

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

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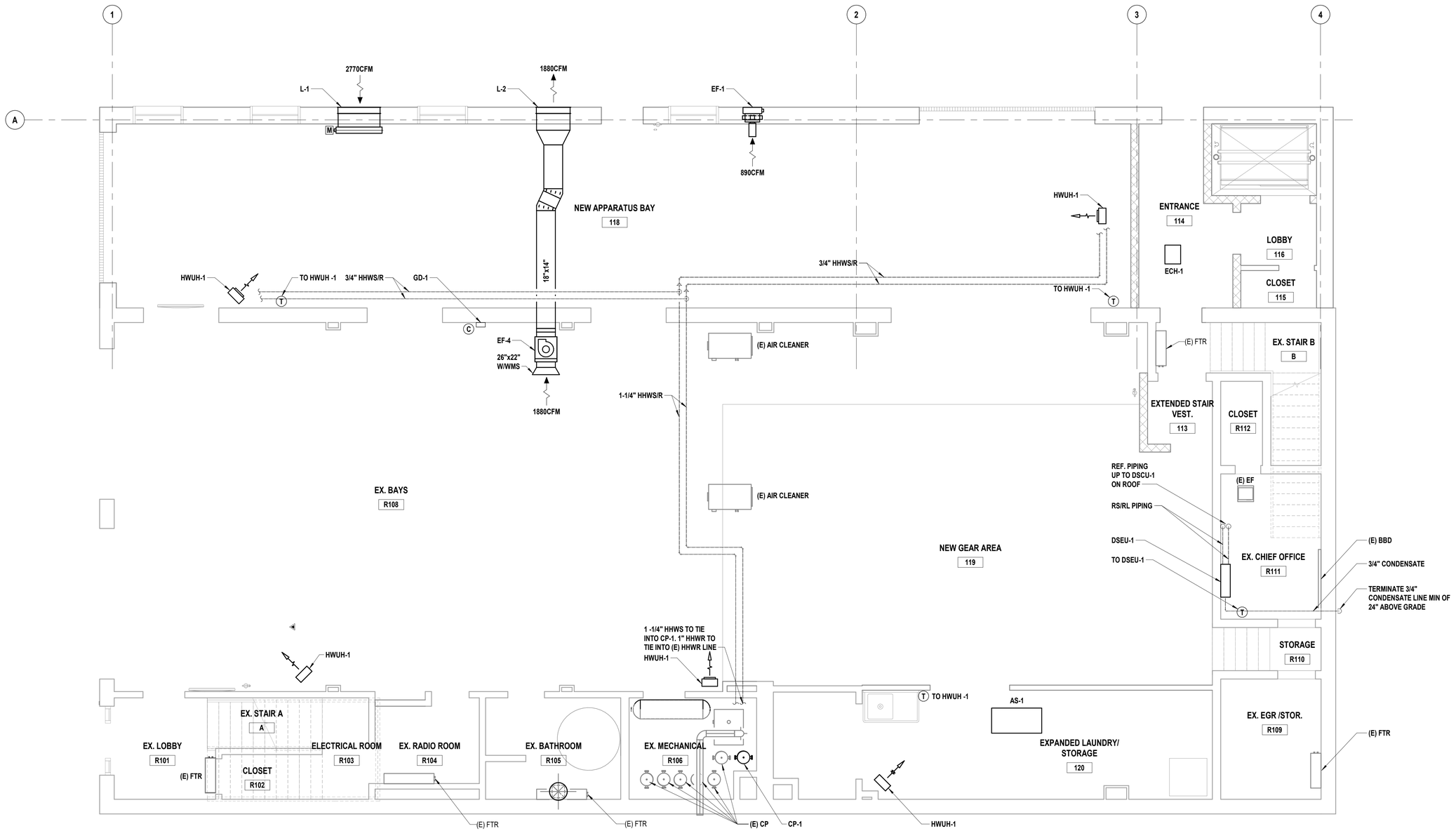
CONSTRUCTION DOCUMENTS

SHEET TITLE
ROOF HVAC DEMO PLAN

DRAWING No.
MD 103

GENERAL WORK NOTES:

1. SIZE ALL REFRIGERANT PIPING AS PER MANUFACTURER'S INSTALL MANUAL.
   INSTALL ALL REFRIGERANT PIPING AS PER SPECIFICATIONS.
2. INSTALL AND PITCH ALL CONDENSATE DRAIN PIPING, AS PER SPECIFICATIONS.
   REFER TO MANUFACTURER'S INSTALL GUIDE, FOR PROPER CONNECTION FROM INDOOR UNIT DRAIN HOSE, TO CONDENSATE MAIN.
3. INSTALL HVAC EQUIPMENT AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. INSULATE ALL HOT WATER PIPING AS PER SPECIFICATION.
5. ALL NEW UNIT HEATERS TO BE MOUNTED ABOVE DOOR OPENINGS UNLESS OTHERWISE SPECIFIED.
6. CONNECT REPLACED HOT WATER UNIT HEATERS TO EXISTING HOT WATER PIPING TAPS.
7. DIRECT CAPTURE VEHICLE EXHAUST SYSTEM MANUFACTURED BY MAGNEGRIP SHALL BE PROVIDED FOR ALL VEHICLES LOCATED IN THE EXISTING AND NEW APPARATUS BAYS



1 First Floor HVAC Plan
SCALE: 1/4" = 1'-0"

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISCO, NY 10549

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CONSTRUCTION DOCUMENTS

SHEET TITLE
FIRST FLOOR HVAC PLAN

DRAWING No.
M 101

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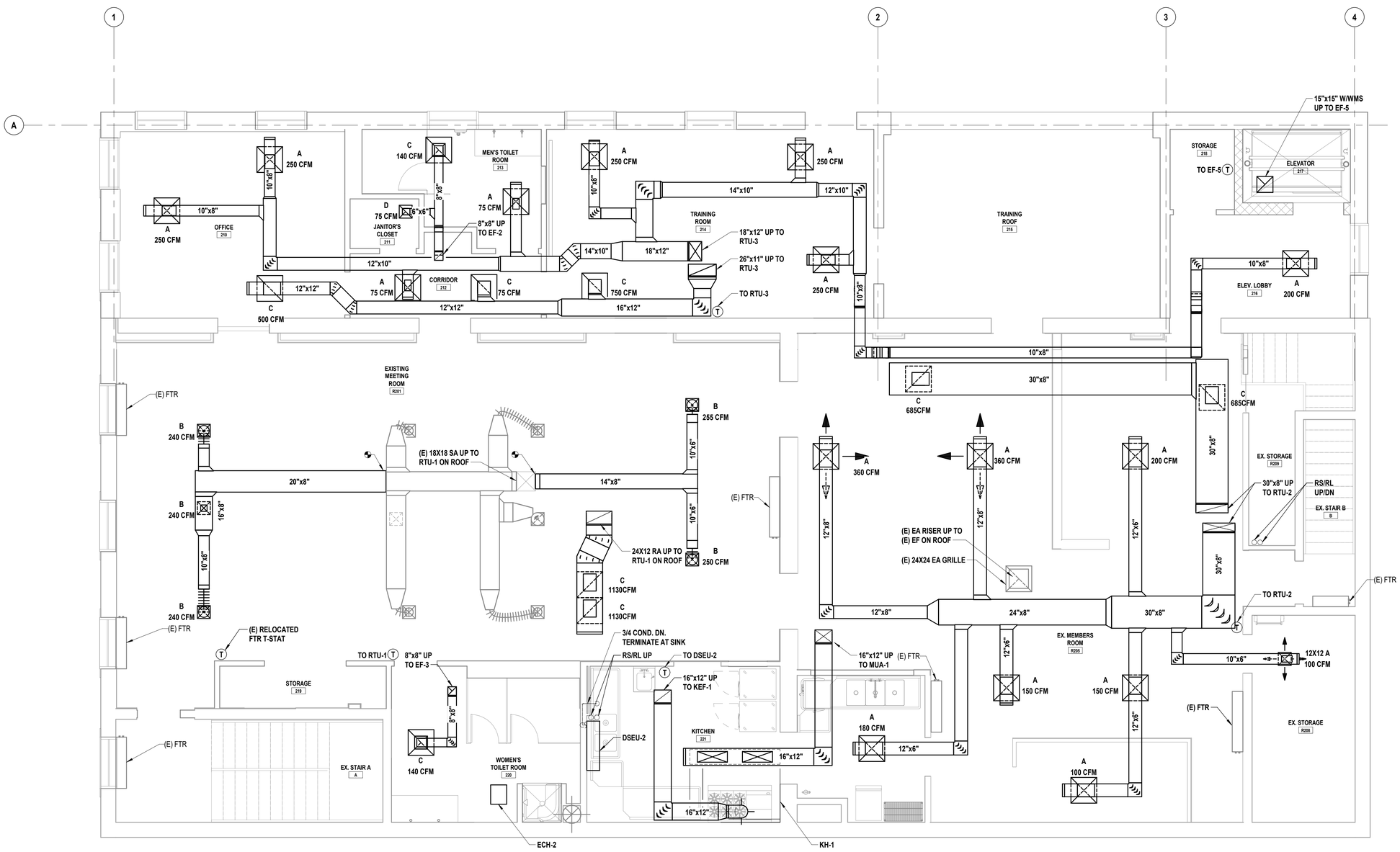
GENERAL WORK NOTES:

1. SIZE ALL REFRIGERANT PIPING AS PER MANUFACTURER'S INSTALL MANUAL. INSTALL ALL REFRIGERANT PIPING AS PER SPECIFICATIONS.
2. INSTALL HVAC EQUIPMENT AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. CONTRACTOR SHALL EMPLOY THE SERVICES OF A LICENSED, INDEPENDENT, TESTING AND BALANCING AGENCY TO BALANCE EXISTING DUCTWORK AND DIFFUSERS TO THE VALUES SHOWN, FOR SYSTEMS RTU-1 THROUGH RTU-3.
4. INSULATE ALL HOT WATER PIPING AS PER SPECIFICATION.
5. PROVIDE VOLUME DAMPERS AT ALL BRANCH DUCTS.
6. MAX FLEX DUCT TO BE 5'-0".
7. CLEAN AND SANITIZE EXISTING DUCTWORK AS NECESSARY. SEE SPECIFICATIONS FOR MORE INFORMATION.



1 **Second Floor HVAC Plan**
SCALE: 1/4" = 1'-0"

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

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GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

SECOND FLOOR HVAC PLAN

DRAWING No.

M 132

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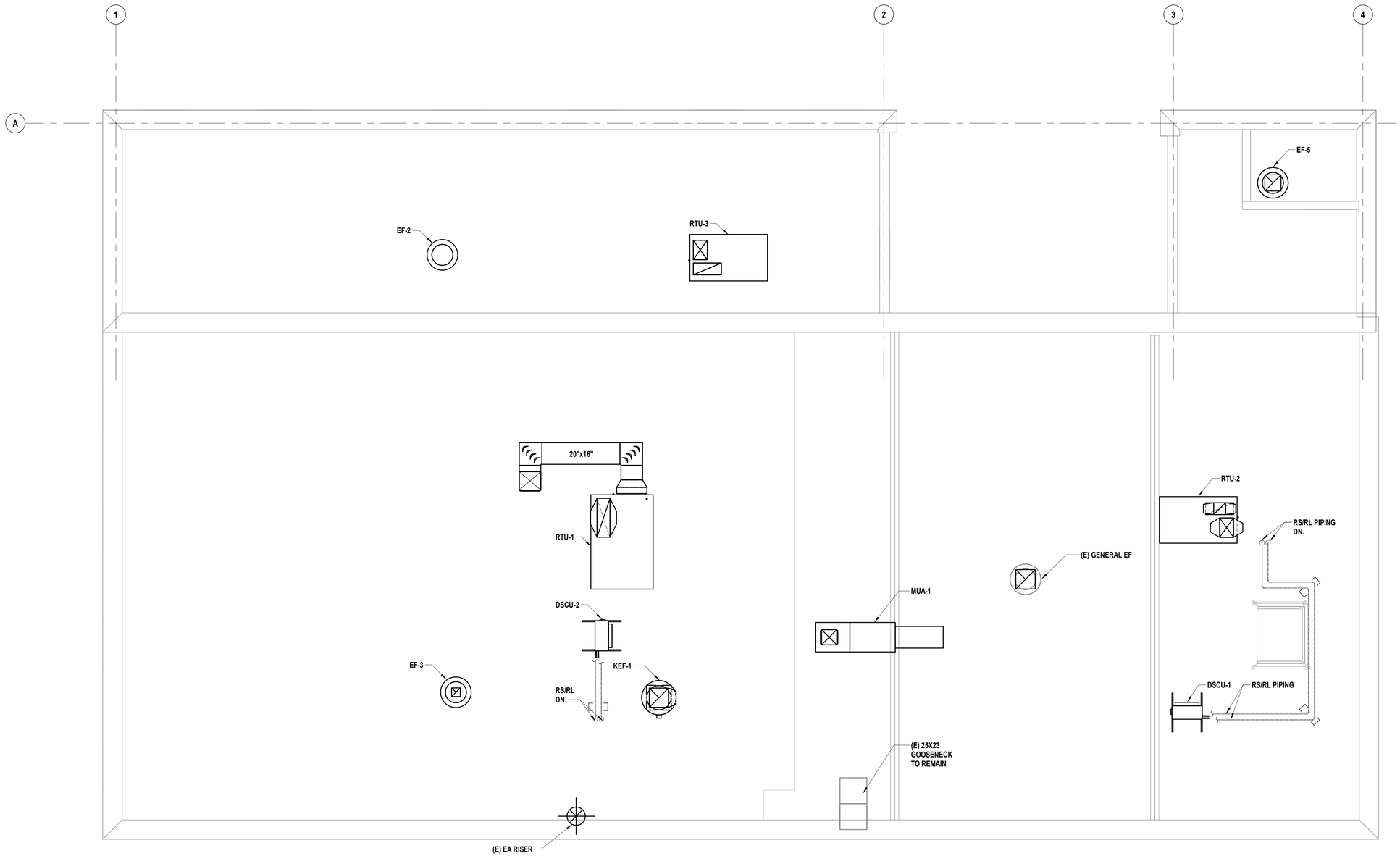
GENERAL WORK NOTES:

1. COORDINATE FINAL LOCATION OF RTU'S WITH STRUCTURAL DRAWINGS.
2. ALL HVAC EQUIPMENT TO BE 10'-0" MINIMUM FROM ROOF EDGE WHERE PARAPET IS NOT PROVIDED.
3. ALL FASTENERS INTO TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
4. ALL CURBS FOR MECHANICAL EQUIPMENT TO BE PROVIDED AND INSTALLED BY THE 'H' CONTRACTOR.
5. ROOFING WORK SHALL BE PERFORMED BY A CERTIFIED CONTRACTOR APPROVED BY THE ROOF SYSTEM MANUFACTURER TO ENSURE CONTINUAL WARRANTY COVERAGE OF THE ROOF SYSTEM. ALL WORK SHALL BE PERFORMED SO THAT THE WARRANTY WILL BE MAINTAINED AND AVOID OR ALTER THE WARRANTY. THESE DRAWINGS SERVE AS A GENERAL GUIDLINE FOR TYPICAL ROOFING CONVENTIONS. REFER TO AND ADHERE TO MANUFACTURER'S DETAILS AND WARRANTY REQUIREMENTS FOR ADDITIONAL INFORMATION.
6. NO ASBESTOS CONTAINING MATERIAL IS ALLOWED TO BE UTILIZED IN THE INSTALLATION OF ANY ROOFING CAULKING OR MATERIAL.
7. OUTDOOR AIR INTAKES SHALL BE LOCATED 10'-0" MINIMUM FROM ANY SOURCE OF BUILDING EXHAUST.



1 Roof HVAC Plan
SCALE: 1/4" = 1'-0"

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ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
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SHEET TITLE

ROOF HVAC PLAN

DRAWING No.

M 133

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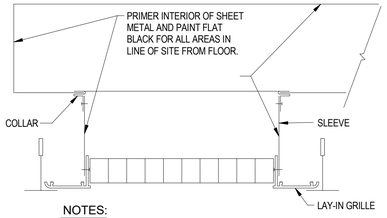
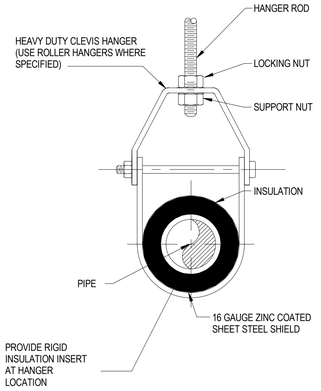
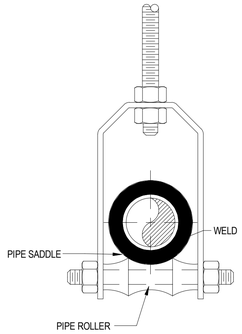


NOTES:

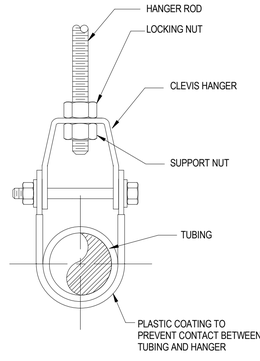
1. PROVIDE A GRILLE WITH A LAY-IN, ALUMINUM FRAME/ BORDER.
2. PROVIDE CONCEALED SCREW HOLES IN NECK.
3. PROVIDE CLINCH LOCK DUCT COLLAR AND TELESCOPIC SLEEVE.
4. SECURE GRILLE FRAME/ TO SLEEVE AND DUCT COLLAR TO SLEEVE.

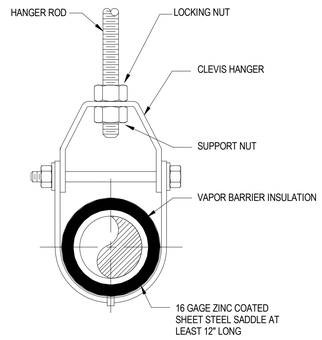
1 DUCTED CEILING GRILLE DETAIL
SCALE: NTS



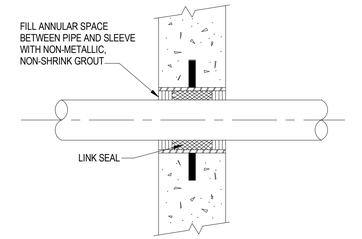


2 STEEL PIPE HANGER DETAILS
SCALE: NTS

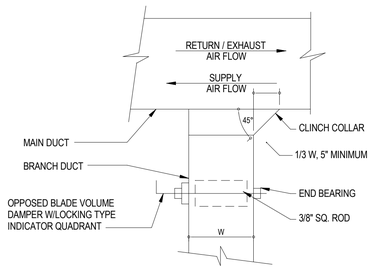




3 COPPER TUBING HANGER DETAILS
SCALE: NTS



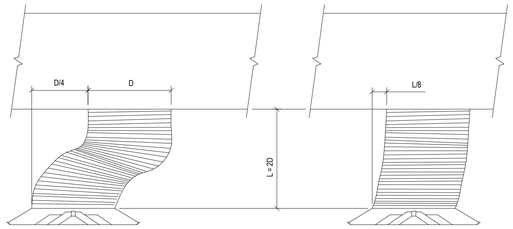
4 DETAIL OF PIPE SLEEVE THRU WALL
SCALE: NTS



NOTES:

1. FURNISH THIS TYPE OF CONNECTION WHEN SINGLE LINE DUCTWORK IS INDICATED AS SHOWN FOR LOW PRESSURE BRANCHES WITH LESS THAN 33% CAPACITY OF MAIN DUCT.

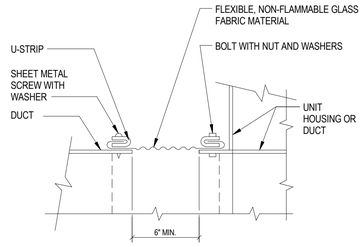
5 DUCT BRANCH TAKEOFF
SCALE: NTS



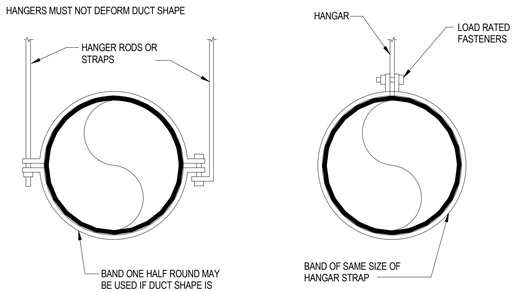
NOTES:

1. THE AMOUNT OF OFFSET WITH FLEXIBLE DUCT SHALL NOT EXCEED THE GREATER AMOUNT OF D/4 OR L/8 OTHERWISE PROVIDE A SHEETMETAL PLENUM CONNECTION.

6 ROUND FLEXIBLE DUCT CONNECTIONS
SCALE: NTS



7 FLEXIBLE CONNECTION
SCALE: NTS

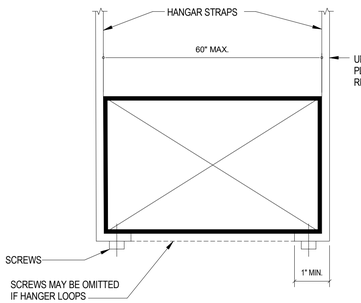


DUCT DIAMETER	BLK. OR GALV. ROD	GALVE STEEL STRAP
TO 10"	1/4"	1" X 22 GA.
11" TO 18"	1/4"	1" X 22 GA.
19" TO 24"	1/4"	1" X 22 GA.

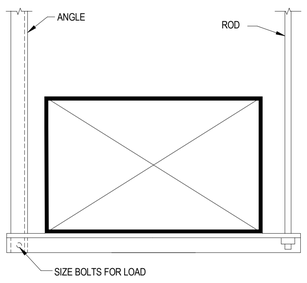
NOTES:

1. PROVIDE SUPPORTS IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS.
2. SPACING 8'-0" ON CENTERS MAX.

8 ROUND DUCT HANGERS
SCALE: NTS



STRAP HANGER
NOT TO SCALE

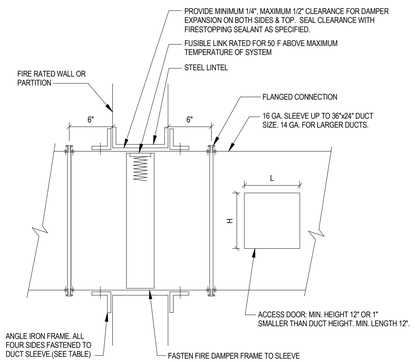


TRAPEZE HANGER
NOT TO SCALE

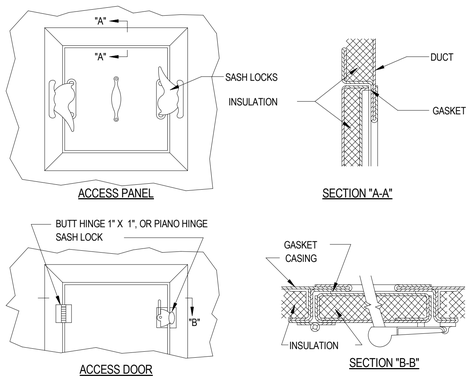
NOTES:

1. PROVIDE SUPPORTS IN ACCORDANCE WITH SMACNA DUCT CONSTRUCTION STANDARDS.

9 RECTANGULAR DUCT SUPPORT DETAIL
SCALE: NTS



10 LOW PRESSURE FIRE DAMPER
SCALE: NTS



DOOR SIZE	NO. HINGES	NO. LOCKS	METAL GAGE		
			FRAME	DOOR	BACK
12" X 12"	2	1-S	24	26	26
16" X 20"	2	2-S	22	24	26
24" X 24"	3	2-S	22	22	26

NOTES:

1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. PROVIDE ACCESS PANELS ON ALL DUCTWORK INSTALLED ABOVE FINISHED CEILINGS WHERE SPACE LIMITATIONS DO NOT ALLOW HINGED DOORS TO OPEN.

11 LOW PRESSURE 2" W.G. OR LESS ACCESS DOOR & PANEL DETAILS
SCALE: NTS

GENERAL NOTES:

1. FIRE DAMPER TO BE U.L. LABELED N.F.P.A. 90A.
2. N.F.P.A. APPROVED INSTALLATION DETAILS TO BE PART OF SUBMISSION OF FIRE DAMPER FOR APPROVAL, WHICH SHALL MEET N.F.P.A. STANDARD 90A.
3. DETAILS SHOWN ARE FOR FIRE DAMPERS IN HORIZONTAL DUCTWORK. FOR FIRE DAMPERS IN VERTICAL DUCTWORK, DETAILS SIMILAR EXCEPT DAMPERS SHALL BE SPRING LOADED.
4. U.L. APPROVED BREAKAWAY SLIP JOINT CONNECTION MAY BE USED IN LIEU OF FLANGED CONNECTION.
5. ACCESS DOOR IS SHOWN ON SIDE OF DUCT. IF FUSIBLE LINK IS MORE ACCESSIBLE FROM BOTTOM OF DUCT, RELOCATE ACCESS DOOR.
6. FROM FIRST 10'-0" OF FAN DISCHARGE DUCTS AND FOR DUCT SIZES LESS THAN 6" DEEP, FIRE DAMPER BLADES SHALL BE INSTALLED IN POCKET OUTSIDE OF AIR STREAM.

ANGLE IRON TABLE	
WALL OPENING	ANGLE SIZE
UP TO 30"	1"x1"x1/8"
31" TO 54"	1-1/2"x1-1/2"x1/8"
55" TO 84"	3"x2"x3/16"
85" TO 120"	3"x2"x3/16"

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

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SHEET TITLE

DETAILS (1 OF 2)

DRAWING No.

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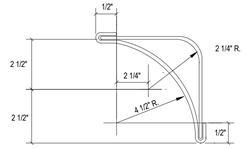
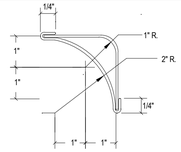


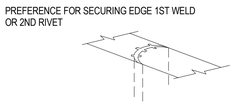
TYPE "A"

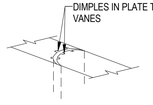
TYPE "A" DOUBLE THICKNESS VANES FOR USE IN DUCTS GREATER THAN 24" x 24" IN SIZE. USE SAME GAUGE GALVANIZED IRON AS DUCT NOT TO EXCEED 20 GAUGE.

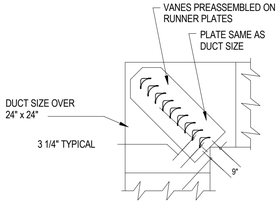


TYPE "B"

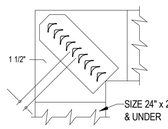
DOUBLE THICKNESS VANES FOR USE IN DUCTS 24" x 24" AND UNDER







SQUARE ELBOW WITH TYPE "A" DOUBLE THICKNESS VANES



SQUARE ELBOW WITH TYPE "B" DOUBLE THICKNESS VANES.

NOTE:

USE GALVANIZED STEEL FOR VANES IN EITHER STEEL OR ALUMINUM DUCTWORK.

1 TURNING VANES DETAIL

SCALE: NTS

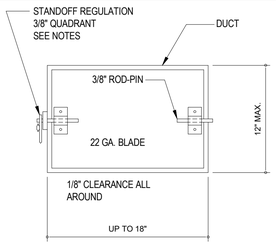


FIG A

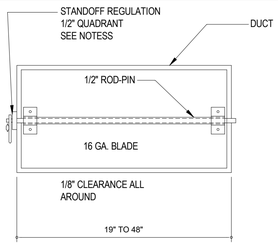


FIG B

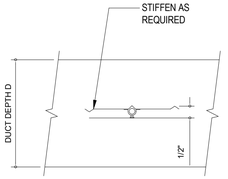
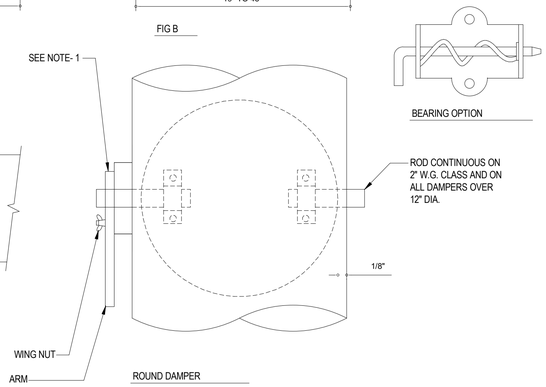


FIG A AND B

SIDE ELEVATION



ROUND DAMPER

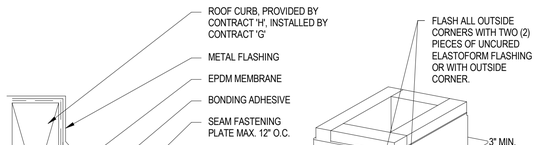
BEARING OPTION

NOTES:

1. PROVIDE 2" HIGH STANDOFF REGULATORS FOR EXTERNALLY INSULATED DUCTWORK. PROVIDE REGULATORS WITH SEALS. DURO-DYNE MODEL E50.
2. STANDOFF BASE HEIGHT TO MATCH INSULATION THICKNESS. BASE CONSTRUCTION 16 GAUGE.
3. RAPIT DAMPER REGULATORS AND JIFFY DAMPERS ARE NOT ACCEPTABLE ON RECTANGULAR OR ROUND DUCTWORK.

2 VOLUME DAMPERS - SINGLE BLADE TYPE

SCALE: NTS

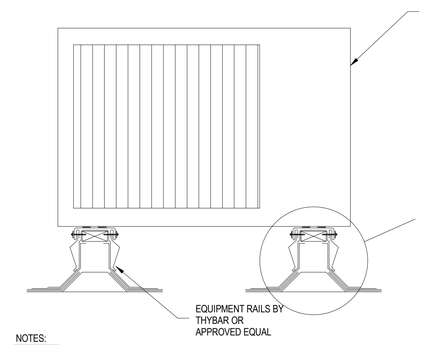


NOTES:

1. IF VERTICAL SPLICE IS NOT LOCATED AT CORNER, 6" WIDE UNCURED ELASTOFORM FLASHING OR PRESSURE-SENSITIVE FLASHING MUST BE CENTERED OVER FIELD SPLICE AT ANGLE CHANGE.
2. FASTENING PLATES MAY BE INSTALLED VERTICALLY.
3. APPLY PRIMER PRIOR TO INSTALLING SecurTAPE.
4. LAP SEALANT IS REQUIRED ON ALL FLASHING EDGES.

3 Roof Curb Detail

SCALE: NTS

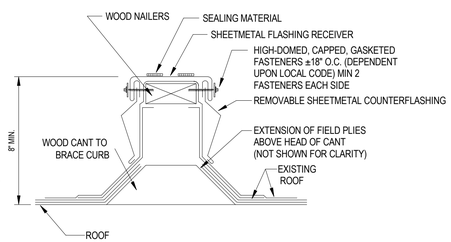


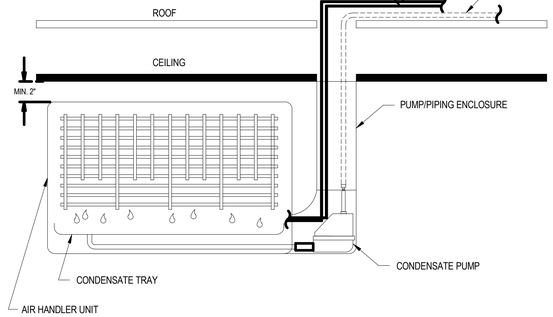
NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR ROOF CURB DETAILS

4 CONDENSING UNIT CURB DETAIL

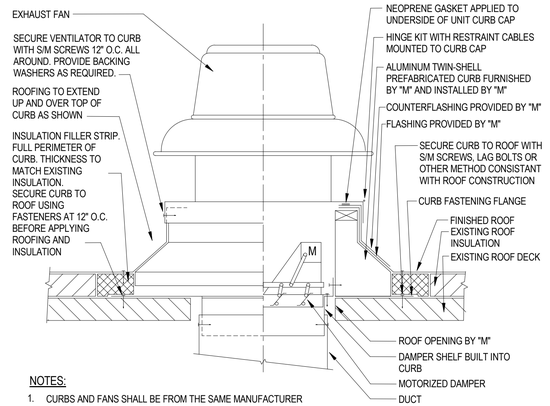
SCALE: NTS





5 DUCTLESS SPLIT CONDENSATE DRAIN PIPING DETAIL

SCALE: NTS

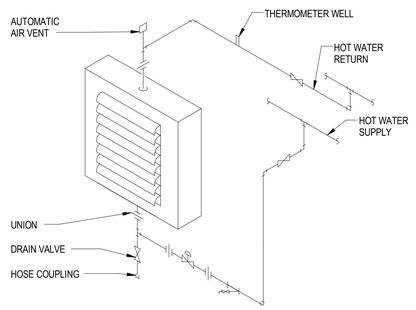


NOTES:

1. CURBS AND FANS SHALL BE FROM THE SAME MANUFACTURER
2. ROOF OPENING IN ACCORDANCE WITH MANUFACTURER'S APPROVED SHOP DRAWINGS
3. CURB HEIGHT SHALL BE 12" ABOVE FINISHED ROOF.
4. ALL FLASHING AND ROOF WORK BY 'M' CONTRACTOR

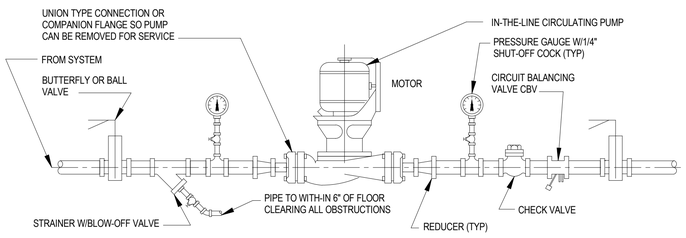
6 Roof Exhaust Fan & Curb

SCALE: NTS



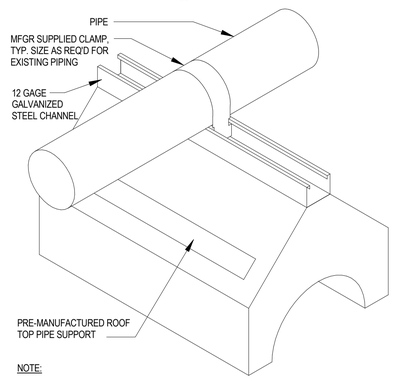
7 HOT WATER UNIT HEATER CONNECTIONS

SCALE: NTS



8 Inline Pump Connection Detail

SCALE: NTS



NOTE:

1. PIPE SUPPORTS SHALL BE INSTALLED A MINIMUM OF 6'-0" O.C. & AT EACH CHANGE OF DIRECTION OF PIPING.
2. PROVIDE PIPE SUPPORTS IN SERIES (WIDTHS) AS REQUIRED TO SUPPORT ALL NEW PIPING.
3. HEIGHT OF PIPE SUPPORT TO VARY AS REQUIRED BASED ON HEIGHT OF EXISTING PIPING & ROOF PITCH.

9 Typical Pipe Blocking Detail

SCALE: NTS

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PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

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SHEET TITLE

DETAILS (2 OF 2)

DRAWING No.

M 520

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SPLIT SYSTEMS

EQUIPMENT NO.	TYPE	AREA SERVED	PERFORMANCE/ CONSTRUCTION REQUIREMENTS								BASIS OF DESIGN INFORMATION												NOTES
			SEER	REFRIGERANT	SUPPLY UNIT DATA				REMOTE CONDENSING UNIT		MNF	MODEL NO.		NOMINAL DIMENSIONS L x W x H		NOMINAL OPERATING WEIGHT (LBS.)		ELECTRICAL DATA					
					AIRFLOW (CFM)	TOTAL COOLING CAPACITY RATED/MIN. (MBH)	HEATING CAPACITY RATED/MIN. (MBH)	SOUND PRESSURE LEVEL (dBA)	OUTSIDE AIR TEMP. (DEG. F)			INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT (IN.)	EXTERIOR UNIT (IN.)	INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT		EXTERIOR UNIT			
									MAX	MIN								VOLTS/ PHASE	MCA (A)	VOLTS/ PHASE	MCA (A)	MOCP (A)	
DSEU-1, DSCU-1	WALL MOUNTED	EX. CHIEF OFFICE R111	17.0	R410A	775	9/3.6	10.9/4.5	43	115	-4	MITSUBISHI	MSZ-GL09NA-U1	MUZ-GL09NA-U8	10 x 32 x 12	12 x 32 x 22	22	81	208/1	1	208/1	9	-	1-5,10,11,14
DSEU-2, DSCU-2	WALL MOUNTED	KITCHEN 221	16.0	R-410A	803	33.2/10.3	35.2/9.8	53	115	-4	MITSUBISHI	MSZ-GS36NA	MUZ-GS36NA	12 X 47 X 15	13 X 34 X 35	45	121	208/1	1.0	208/1	19.0	20	1,5-12

NOTES:
1. MINI CONDENSATE PUMP (SAUERMANN SI30-115/230)
2. MHK-1 CONTROLLER
3. BACNET HD150 CARD FOR BACNET INTERFACE
4. ALL CONTROL WIRING TO BE 18 GAUGE TWO CONDUCTOR STRANDED WIRE NON-SHEILDED
5. WIND BAFFLE
6. DRAIN PAN LEVEL SENSOR (DPLS2)
7. DRAIN PAN HEATER (MAC-640BH-U)
8. DRAIN PAN SOCKET (MAC-860DS)
9. MAC-333IF-E CONTROL SYSTEM INTERFACE
10. UL 1995 LISTED
11. 12" EQUIPMENT RAILS FOR OUTDOOR UNIT
12. SIMPLE MA REMOTE CONTROLLER (PAC-YT53CRAU-J)
13. DRAIN PAN LEVEL SENSOR/CONTROL (SS610E)
14. FACTORY DISCONNECT SWITCH (TAZ-MS303W)
15. DRAIN SOCKET (MAC-871DS)
16. DEFROST HEATER (MAC-640BH-U)

ELECTRIC CEILING HEATER

EQUIPMENT NO.	LOCATION	AREA SERVED	PERFORMANCE/ CONSTRUCTION REQUIREMENTS				BASIS OF DESIGN INFORMATION				NOTES
			FAN DATA	TOTAL CAPACITY (MBH)	HEATING COIL DATA		MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN)	NOMINAL OPERATING WEIGHT (LBS.)	
			FLOW (CFM)		ELECTRIC DATA						
					VOLTS/PHASE	TOTAL KW					
ECH-1	ENTRANCE 114	ENTRANCE 114	300	10.2	208/3	3	QMARK	CDF-548	23.75 x 23.75 x 7	27	1-5
ECH-2	WOMEN'S TOILET 220	WOMEN'S TOILET 220	300	10.2	208/3	3	QMARK	CDF-548	23.75 x 23.75 x 7	27	1-5

NOTES:
1. FRONT DISCHARGE, FRONT RETURN CONFIGURATION
2. CDF-T THERMOSTAT SPST RANGE 45°F TO 98°F
3. CDF-RE RECESS MOUNTING ENCLOSURE
4. CDF-DS 3-POLE DISCONNECT SWITCH

AIR SCRUBBER

EQUIPMENT NO.	AREA SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS			BASIS OF DESIGN INFORMATION					
		CFM	EXT S. P. (IN. W.C.)	MOTOR RPM	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA	
									VOLTS/ PHASE	MOTOR HP
AS-1	GEAR RM.	1000	-	-	HONEYWELL	F111C1012	48 x 24 x 21.8	147	120/1	1/2

CIRCULATOR PUMPS

EQUIPMENT NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION					
			FLUID	FLOW RATE (GPM)	DYNAMIC HEAD (FT.)	BHP	PUMP SPEED (RPM)	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA	
												VOLTS/PHASE	FLA
CP-1	MECH. RM.	HWUH-1	H20	9.4	10	0.68	VARIABLE	TACO	VR15-3	16 x 8 x 10	57	110/1	-

HOT WATER UNIT HEATERS

EQUIPMENT NO.	LOCATION	FAN DATA		TOTAL CAPACITY (MBH)	AIR DATA			ELECTRICAL DATA	HEATING COIL DATA				BASIS OF DESIGN INFORMATION				NOTES
									WATER								
		FLOW (CFM)	HP		ENT. DB TEMP. (DEG. F)	LVG. DB TEMP. (DEG. F)	THROW (FT.)	VOLTS/PHASE	ENT. TEMP. (DEG. F)	LVG. TEMP. (DEG. F)	FLOW (GPM)	MAX. P.D. (FT. H2O)	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H	NOMINAL OPERATING WEIGHT (LBS.)	
HWUH-1	APPARATUS BAYS	1120	1/12	45.6	60	97	31	115/1	160	140	4.7	0.6	MODINE	HC-63	22 x 9 x 19	48	1

NOTES:
1. HONEYWELL T4051A LINE VOLTAGE THERMOSTAT.

EXHAUST FANS

EQUIPMENT NO.	TYPE	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS			BASIS OF DESIGN INFORMATION						NOTES
			CFM	EXT S. P. (IN. W.C.)	MOTOR RPM	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA		
										VOLTS/ PHASE	MOTOR HP	
EF-1	SIDEWALL	GARAGE EXHAUST	890	.25	1725	GREENHECK	SE1-12-432-VG	18 x 18 x 10.8	49	115/1	1/4	1-3,6-9,14
EF-2	CEILING	MENS TOILET 213, JANITORS CLOSET 211	215	.25	1399	GREENHECK	G-070-VG	19 x 19 x 13.9	31	115/1	1/15	2,3,5-10
EF-3	ROOF	WOMENS TOILET 220	140	.25	1650	GREENHECK	G-060-VG	17 x 17 x 12.1	30	115/1	1/15	2,3,5-10
EF-4	INLINE	EXISTING APPARATUS BAY	1880	.5	1579	GREENHECK	SQ-130-VG	18.6 x 24.75 x 21	107	115/1	3/4	1,2,5-8,11
EF-5	ROOF	ELEVATOR SHAFT EXHAUST	290	.3	1668	GREENHECK	G-070-VG	19.4 x 19.4 x 24.1	44	115/1	1/10	2,4-10,12,13

NOTES:
1. 115V MOTORIZED DAMPER W/END SWITCH
2. DIRECT DRIVE
3. VG EC MOTOR WITH DIAL
4. VG 65-277VAC TO 24VDC TRANSFORMER
5. MOTOR WITH THERMAL OVERLOAD
6. WIRING PIGTAIL
7. NEMA-1 DISCONNECT SWITCH
8. JUNCTION BOX MTD. & WIRED
9. UL/cUL 705 LISTED
10. BACKDRAFT DAMPER
11. VG EC MOTOR 0-10VDC INPUT
12. VG EC MOTOR WITH DIAL OR 0-10VDC INPUT
13. VARI-GREEN IAQ TEMPERATURE AND HUMIDITY CONTROLLER
14. OSHA APPROVED GUARD

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

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GENERAL CONSTRUCTION

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SCHEDULES (1 OF 2)

DRAWING No.

M 610

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PACKAGED ROOFTOP UNITS

EQUIPMENT NO.	LOCATION	AREA SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS															BASIS OF DESIGN INFORMATION					REMARKS
			EER	IEER	SUPPLY FAN				MIXED AIR		COOLING COIL					FILTERS	HEATING COIL								
					AIR FLOW (CFM)	NOMINAL SIZE (TONS)	EXT. S.P. (IN W.G)	BHP	OUTDOOR AIRFLOW (CFM)	OUTDOOR AIR DB/WB (DEG. F)	NO. OF COMPRESSORS	NO. OF COOLING STAGES	REFRIGERANT TYPE	TOTAL/SENSIBLE CAPACITY (MBH)	AIR DATA		TYPE	HEATING OUTPUT CAPACITY (MBH)	HEATING MEDIUM			MNF	MODEL NO.	NOMINAL DIMENSIONS LxWxH	NOMINAL OPERATION WEIGHT (LBS)	ELECTRICAL DATA	
															ENT. DB/WB (DEG. F)	MAX LVG DB/WB (DEG F)			GAS					VOLTS/PHASE	
																			INPUT GAS FLOW (CFH)	ENT. AIR TEMPERATURE (DEG. F)	LVG. AIR TEMPERATURE (DEG. F)					
RTU-1	ROOF	2ND FL. MEETING HALL	12	13.8	2665	7.5	1.24	1.54	403	92/74	2	2	R410A	89.5/64.7	78.4/65.7	55.9/54.6	MERV 8	103	125	59.2	95.1	CARRIER	48HCDE08E2M5-6W2M0	88.1x59.5x49.4	925	208/3	1-11
RTU-2	ROOF	2ND FL. MEMBERS ROOM	16.4	-	1600	4	1.23	1.19	229	92/74	1	2	R410A	48.8/36.5	78.3/65.6	57.2/55.7	MERV 8	59	72	59.7	93.9	CARRIER	48LCDA05E3M5-0R2F0	74.4x46.8x41.4	915	208/3	2-12
RTU-3	ROOF	2ND FL. OFFICES, TRAINING ROOM	12.0	-	1600	4	1	1.34	166	92/74	1	2	R410A	50/37.1	75/64	58.5/57.2	MERV 13	88/65	110/82	60.0	110.9	CARRIER	48GCEN05A3M5-2W2F0	74.5x46.5x33.4	799	208/3	2-12

NOTES:
1. VERTICAL DISCHARGE RETURN, HORIZONTAL DISCHARGE SUPPLY CONFIGURATION.
2. NON-FUSED DISCONNECT.
3. UN-POWERED CONVENIENCE OUTLET.
4. WALL MOUNTED LCD DISPLAY THERMOSTAT.
6. 14" ROOF CURB.
7. CONDENSER COIL GUARD.
8. THRU BASE ELECTRICAL CONNECTIONS.
9. ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL.
10. TWO STAGE HEATING.
11. TWO STAGE COOLING.
12. VERTICAL RETURN/SUPPLY CONFIGURATION.

AIR OUTLETS

DESIGNATION	SYMBOL	BASIS OF DESIGN: MNF/ MODEL NO.	DESCRIPTION	FACE SIZE (IN)	AIR FLOW RANGE (CFM)		NECK SIZE DIAMETER (IN.)	NOTES
					MIN	MAX		
A		NAILOR/UNI	SQUARE FACE CEILING DIFFUSER	24 X 24	0	200	6	1-5
					201	315	8	
					316	450	10	
					451	650	12	
					651	850	14	
B		NAILOR/UNI	SQUARE FACE CEILING DIFFUSER	12 X 12	0	80	4	
					81	125	5	
					126	200	6	
					201	320	8	
C		NAILOR/6145H-O	RETURN/EXHAUST GRILLE	24 X 24	SEE DRAWINGS	SEE DRAWINGS	NA	
D		NAILOR/6145H-0	RETURN/EXHAUST GRILLE	12 X 12	SEE DRAWINGS	SEE DRAWINGS	NA	

NOTES:
1. PROVIDE ALUMINUM CONSTRUCTION FOR ALL AIR TERMINALS IN SHOWER ROOMS, TOILETS, JANITORS' CLOSETS AND OTHER HUMID AREAS
2. FOR CONSTRUCTION DETAILS AND ACCESSORIES SEE THE SPECIFICATIONS.
3. PROVIDE OPPOSED BLADE DAMPERS FOR ALL REGISTERS.
4. PROVIDE OPPOSED BLADE DAMPER AND EQUALIZING GRID FOR ALL DIFFUSERS.
5. PROVIDE MOUNTING FRAMES TO MATCH CEILING IN WHICH UNIT IS INSTALLED, COUNTERSINK ALL MOUNTING SCREWS.

LOUVERS

EQUIP. NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION		NOTES
			AIR FLOW RATE (CFM)	MAX. PD (IN. W.C.)	FREE AREA (SQ. FT.)	OVERALL NOMINAL SIZE W X H	SERVICE	MNF	MODEL NO.	
L-1	NORTH SIDE OF APPARATUS BAY	EF-1, 4	2770	.06	4.96	40" x 40"	VENTILATION	GREENHECK	EHH-601	1-5
L-2	NORTH SIDE OF APPARATUS BAY	EF-4	1880	.08	3.16	32" x 32"	EXHAUST	GREENHECK	EHH-601	1-4

NOTES:
1. PROVIDE AND INSTALL BIRD SCREEN
2. ALUMINUM CONSTRUCTION
3. PROVIDE AAMA 2605 FINISH IN COLOR AS SELECTED BY ARCHITECT.
4. PROVIDE ANCHOR CLIPS FOR INSTALLATION.
5. PROVIDE VCD-23 MOTORIZED DAMPER AND 115V/1PH ACTUATOR

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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
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PROJECT No:	DATE:	SCALE:
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CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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GENERAL CONSTRUCTION

STATUS

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SCHEDULES (2 OF 2)

DRAWING No.

M 620

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HOOD INFORMATION - JOB#5217310

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP			END TO END	ROW
1		5424 EX-2-PSP-F	ECON-AIR	6' 0"	600 DEG	I	HEAVY	225	1350			4"	12"	1350	1719	-0.638"	1120	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD OPTIONS

HOOD NO	TAG	OPTION
1		FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 84.00" LONG 430 SS VERTICAL.
		SENSOR-CV.

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)					LIGHT(S)			UTILITY CABINET(S)					FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY		
1		CAPTRATE SOLO FILTER	4	20"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO	RIGHT	12"x54"x24"	TANK FS	4.0	SC-211110MA	1 LIGHT 1 FAN	YES	612 LBS

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	2.000	ECON-AIR

FIRE SYSTEM INFORMATION - JOB#5217310

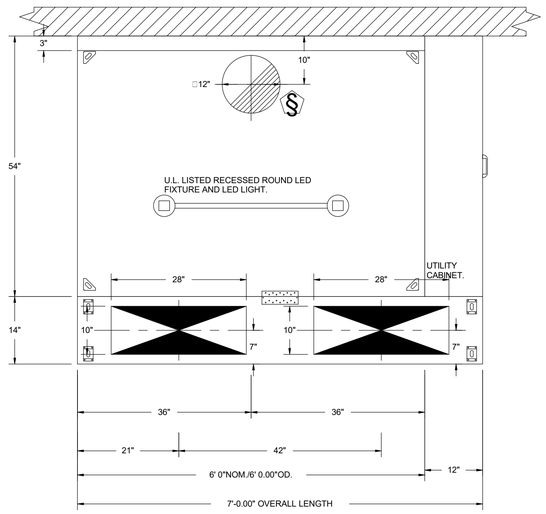
FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0	16	FIRE CABINET RIGHT	RIGHT, HOOD 1

PERFORATED SUPPLY PLENUM(S)

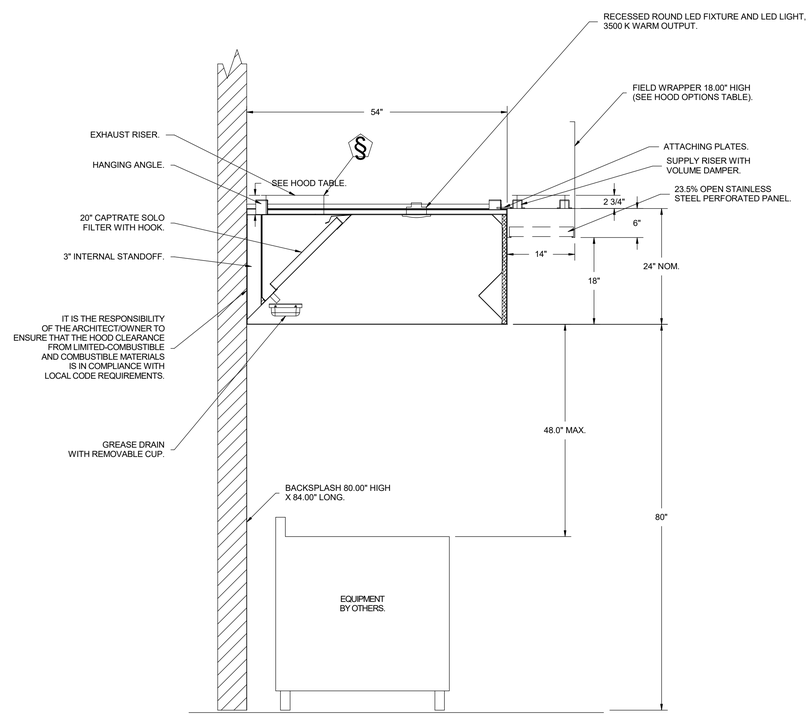
HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG	DIA	CFM	SP
1		Front	84"	14"	6"	MUA	10"	28"		560	0.146"
						MUA	10"	28"		560	0.146"

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - 12-F28021-32144-OT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F.	1	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300033-001 DIN CONNECTOR, CANFIELD PART #5J560-201-EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - SLPCON-10FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 9' GAP OR BACK TO BACK HOODS. KIT CONTAINS 12 FEET OF BLACK MG WIRE, 12 FEET OF TAN MG WIRE, 10 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	1	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	0
		ADDITIONAL PARTS TO BE DETERMINED...		



PLAN VIEW - HOOD
6' 0.00" LONG
5424EX-2-PSP-F



SECTION VIEW - MODEL
5424EX-2-PSP-F
#1

H 2 M architects + engineers

3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
PDF	TDV	LC	LC

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

KITCHEN SCHEDULE AND DETAILS (1 OF 2)

DRAWING No.

M 630

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EXHAUST FAN INFORMATION - JOB#5217310

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1		1	EADU85H	ECON-AIR	1350	1.250	1345	TEAO-ECM	0.750	0.4330	1	208	5.2	427 FPM	88	12.3

MUA FAN INFORMATION - JOB#5217310

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
2		1	EA1-D.500-15D	15MF-1-MOD	A1-D.500	1000	1120	0.500	1430	TEAO-ECM	1.000	0.4340	1	208	6.9	9.8A	15A	458	11.5

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2		80532	74089	63°F	7 IN. W.C. - 14 IN. W.C.	NATURAL	92

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1		1	GREASE BOX.
		1	ECM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL (TELCO MOTOR), CCW ROTATION.
		1	2 YEAR PARTS WARRANTY.
2		1	INLET PRESSURE GAUGE, 0-35".
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" WC.
		1	LOW FIRE START.
		1	AC INTERLOCK RELAY - 24VAC COIL.
		1	MOTORIZED BACKDRAFT DAMPER FOR A1-D HOUSING - MEETS AMCA CLASS 1A RATING.
		1	ECM WIRING PACKAGE - DD SUPPLY - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL (TELCO MOTOR).
		1	2 YEAR PARTS WARRANTY.

FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1		YES						
2							YES	

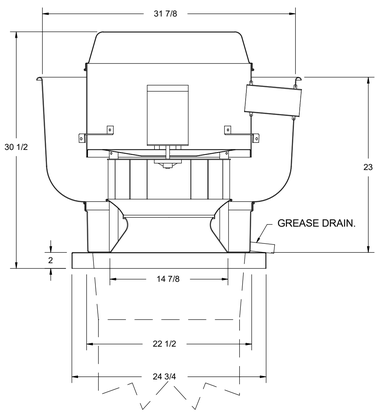
CURB ASSEMBLIES

NO	ON FAN	WEIGHT	ITEM	SIZE
1	# 1	36 LBS	CURB	23.000"W X 23.000"L X 20.000"H ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	65 LBS	CURB	21.000"W X 71.000"L X 20.000"H ALONG WIDTH, RIGHT INSULATED.

ELECTRICAL PACKAGE - JOB#5217310

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	Φ	HP	VOLT	FLA
1		SC-211110MA	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	EXHAUST	1	0.750	208	5.2
				HOOD # 1	1 FAN		SUPPLY	1	1.000	208	6.9

FAN #1 EADU85H - EXHAUST FAN



FEATURES:

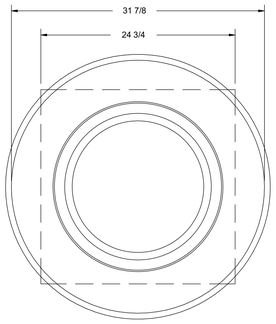
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

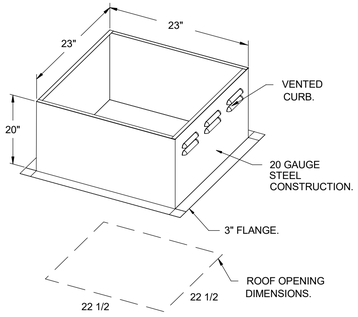
NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

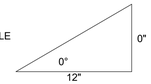
OPTIONS

GREASE BOX.
ECM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL (TELCO MOTOR), CCW ROTATION.
2 YEAR PARTS WARRANTY.

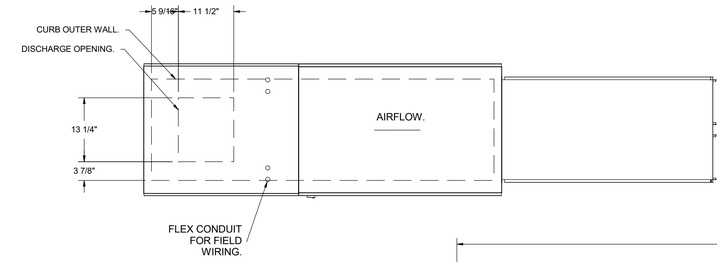


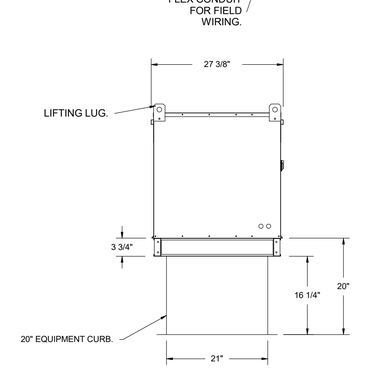


PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

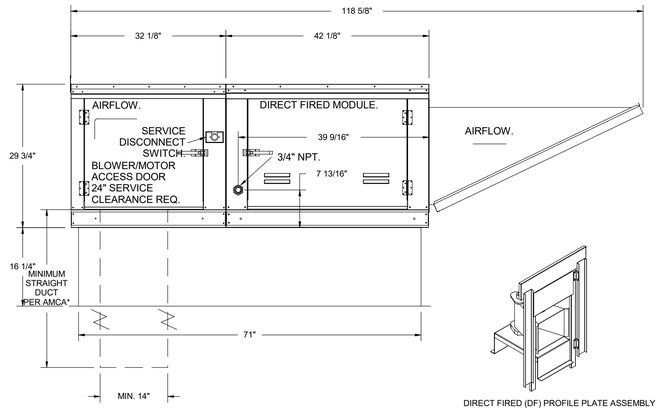


SPECIFY PITCH:
EXAMPLE: 7/12 PITCH = 30° SLOPE.





ROOF OPENING 2" SMALLER THAN CURB DIMENSION.



DIRECT FIRED (DF) PROFILE PLATE ASSEMBLY

FAN #2 EA1-D.500-15D - HEATER
1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 15" MIXED FLOW DIRECT DRIVE FAN.
2. INTAKE HOOD WITH EZ FILTERS.
3. DOWN DISCHARGE - AIR FLOW RIGHT -> LEFT.
4. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
5. GAS PRESSURE GAUGE, -5 TO +15 INCHES WC., 2.5" DIAMETER, 1/4" THREAD SIZE.
6. LOW FIRE START. ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
7. COOLING INTERLOCK RELAY. 24VAC COIL. 120V CONTACTS. LOCKS OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
8. MOTORIZED BACK DRAFT DAMPER 16" X 16" FOR SIZE 1 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, TFB120S ACTUATOR INCLUDED.
9. ECM WIRING PACKAGE AND MANUAL OR 0-10VDC CONTROL FOR SUPPLY EC MOTORS. RTC CONTROLLER. **DO NOT ORDER UNDER WARRANTY, SEE PART NUMBER "ECM-VCU-RTC"**.
10. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).
11. 2 YEAR PARTS WARRANTY.

*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 14" x 14".

SUPPLY SIDE HEATER INFORMATION:

WINTER TEMPERATURE = 12°F. TEMP. RISE = 63°F.
BTUs
CALCULATED OFF ACTUAL AIR DENSITY.
OUTPUT BTUs AT ALTITUDE OF 0.0 FT. =
75382.
INPUT BTUs AT ALTITUDE OF 0.0 FT. = 81937.
OUTPUT BTUs AT ALTITUDE OF 478 FT.
= 74089.
INPUT BTUs AT ALTITUDE OF 478 FT. = 80532.

DIRECT FIRED PROFILE PLATE SPECIFICATIONS:

DESCRIPTION:
DIRECT FIRED BURNERS SHALL HAVE PATENTED (US PATENT NO.: US6629523B2), SELF-ADJUSTING PROFILE PLATES DESIGNED TO ENSURE PROPER AIR VELOCITY AND PRESSURE DROP ACROSS THE BURNER. PROFILE PLATES SHALL ALLOW BURNERS TO ACHIEVE CLEAN COMBUSTION BY LIMITING BY-PRODUCT LEVELS TO A MAXIMUM OF 5PPM OF CARBON MONOXIDE (CO), AND 0.5PPM OF NITROGEN DIOXIDE (NO2). DIRECT FIRED UNITS SHALL BE CONFIGURED WITH THE BLOWER MOUNTED DOWNSTREAM OF THE BURNER. THIS ARRANGEMENT WILL ENSURE A CONSISTENT AIRFLOW, REGARDLESS OF INLET AIR TEMPERATURE.

APPLICATION:
SPRING-LOADED BURNER PROFILE PLATES ARE ENGINEERED TO AUTOMATICALLY REACT TO THE MOMENTUM OF A FRESH AIR STREAM, WITHOUT THE NEED FOR ANY MOTORS OR ACTUATORS TO MECHANICALLY ADJUST THEM. WITH THIS FEATURE, ALL DF UNITS ARE DESIGNED FOR DEMAND CONTROL VENTILATION (DCV) REQUIREMENTS.

CERTIFICATIONS:
ALL PROFILE PLATE ASSEMBLIES SHALL BE INCLUDED IN THE DF UNIT'S ETL LISTING AND COMPLY WITH COMBINED SAFETY STANDARDS ANSI Z83.4 AND CSA 3.7 (NON-RECIRCULATING DF HEATERS) AND ANSI Z83.18 (RECIRCULATING DF HEATERS.)

GENERAL CONSTRUCTION:
-PROFILE PLATES SHALL BE FORMED FROM G90 GALVANIZED STEEL.
-PROFILE PLATES SHALL VARY IN SIZE PER UNIT.
-PROFILE PLATES SHALL BE MOUNTED ALONG THE SAME PLANE AS THE DISCHARGE OF THE BURNER.
-DESIGN SHALL INCORPORATE PROPERLY TORQUED, PERMANENTLY MOUNTED SPRING HINGES.
-SPRING HINGES SHALL BE MADE FROM PLATED STEEL.

H 2 M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
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PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET
99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
KITCHEN SCHEDULES AND DETAILS (2 OF 2)

DRAWING No.
M 631

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ELECTRICAL LEGEND

SYMBOL	DESCRIPTION	COMMENTS
S_3	THREE - WAY SWITCH	46" AFF TO CL UON
S_4	FOUR - WAY SWITCH	46" AFF TO CL UON
S_I	ILLUMINATED SWITCH	46" AFF TO CL UON
S^A	SINGLE POLE SWITCH; "A" INDICATES SWITCH CONTROL	46" AFF TO CL UON
S_D	SINGLE POLE DIMMER SWITCH	46" AFF TO CL UON
S_{3D}	THREE - WAY DIMMER SWITCH	46" AFF TO CL UON
S_K	SINGLE POLE KEYED SWITCH	46" AFF TO CL UON
S_{K3}	KEYED THREE - WAY SWITCH	46" AFF TO CL UON
S_{K4}	KEYED FOUR - WAY SWITCH	46" AFF TO CL UON
S_M	HORSEPOWER RATED SWITCH, WITH INDICATOR (CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE WITH EQUIPMENT)	46" AFF
S_P	SWITCH AND PILOT LIGHT	
S_T	SWITCH WITH THERMAL OVERLOAD PROTECTION (CONTRACTOR SHALL COORDINATE VOLTAGE AND PHASE WITH EQUIPMENT)	
S_{OS}	OCCUPANY SENSOR WITH MANUAL OVERRIDE, WALL MOUNT	
TC	TIME CLOCK	
PC	PHOTOCELL	
PB	PUSH BUTTON	
E,G	EMERGENCY SHUT OFF SWITCH; 'E' INDICATES ELECTRICAL; 'G' INDICATES GAS	
OS	OCCUPANCY SENSOR, CEILING MOUNT	
	OCCUPANCY SENSOR POWER PACK, MOUNTED ABOVE CEILING	
	2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	5 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	3 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN OR BELOW SLAB	
LP1-3S	DEDICATED HOME RUN TO PANEL LP1 FOR CIRCUIT No. 3S ONLY. 2 #12 AWG + #12 AWG GND IN 3/4" E.C. CONCEALED IN WALL OR CEILING	
	SIMPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
	QUAD RECEPTACLE, DOUBLE DUPLEX RECEPTACLE: 120V, 20A. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
C	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "C" INDICATES CEILING MOUNT.	FLUSH
	DUPLEX RECEPTACLE: 120V, 20A; FLOOR MOUNTED.	FLUSH
IG	ISOLATED GROUND DUPLEX RECEPTACLE. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
GFI	DUPLEX RECEPTACLE: 120V, 20A; WITH GROUND FAULT INDICATOR. COORDINATE MOUNTING HEIGHT WITH MECHANICAL CONTRACTOR TO CLEAR BASEBOARDS.	FLUSH
UC	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "UC" INDICATES UNDER COUNTER	AS PER ENGINEER
CT	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "CT" INDICATES COUNTER TOP.	AS PER ENGINEER
WP	DUPLEX RECEPTACLE: 120V, 20A; SUBSCRIPT "WP" INDICATED WEATHER PROOF	AS PER ENGINEER
40 240	SPECIAL PURPOSE OUTLET: 240V, 40A. VERIFY NEMA CONFIGURATION WITH EQUIPMENT MANUFACTURER.	AS PER ENGINEER
TL	TWISTED LOCK RECEPTACLE: 125V, 20A, 3 WIRE; UNLESS OTHERWISE NOTED.	AS PER ENGINEER
	SURFACE RACEWAY WITH 2 GROUNDED AND ISOLATED TYPE DUPLEX RECEPTACLES AND 1 DATA OUTLET PER POSITION, 18" AFF UNLESS OTHERWISE NOTED.	
	TELEPHONE/POWER POLE	
S_{S1}	MAGNETIC STARTER "S1"; SEE STARTER SCHEDULE	
DS_{DS1}	DISCONNECTION SWITCH "DS1"; SEE DISCONNECT SWITCH SCHEDULE.	
J	JUNCTION BOX	
J_{4X}	NEMA 4X STAINLESS STEEL JUNCTION BOX WITH GASKET COVER.	
J_S	JUNCTION BOX RECESSED IN WALL WITH BLANK COVER, PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING. MOUNT 18" AFF, UNLESS OTHERWISE NOTED.	
J_M	FOR MONITOR, JUNCTION BOX RECESSED IN WALL WITH BLANK COVER. PROVIDE 3/4" E.C. AND DRAG LINE TO ABOVE FINISHED CEILING.	
T_{T1}	TRANSFORMER "T1"; SEE TRANSFORMER SCHEDULE.	
	ELECTRICAL PANEL "P1", RECESSED; SEE PANEL SCHEDULE.	
P1	ELECTRICAL PANEL "P1", SURFACE MOUNT; SEE PANEL SCHEDULE.	
	CONDUIT GOING UP.	
	CONDUIT GOING DOWN.	
	PULLBOX	
T	TELEPHONE. PROVIDE CAT 6 CABLE IN 3/4" E.C. TO PATCH PANEL IN EXISTING OFFICE R204. COORDINATE RACK AND PUNCH DOWN LOCATION WITH OWNER. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT DATA DROP, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER.	46" AFF
W	CEILING MOUNTED DATA DROP FOR WIRELESS ACCESS POINT (PROVIDED BY OWNER). PROVIDE CAT 6 CABLE IN 3/4" E.C. TO PATCH PANEL IN EXISTING OFFICE R204. COORDINATE RACK AND PUNCHDOWN LOCATION WITH OWNER. AT PATCH PANEL, PATCH PANEL NUMBER, AND PORT NUMBER. DATA DROP SHALL BE MOUNTED FLUSH WITH CEILING.	FLUSH
D	DATA. PROVIDE CAT 6 CABLE IN 3/4" E.C. TO PATCH PANEL IN EXISTING OFFICE R204. COORDINATE RACK AND PUNCH DOWN LOCATION WITH OWNER. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT DATA DROP, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER.	18" AFF
2D	DOUBLE DATA. PROVIDE TWO (2) CAT 6 CABLE IN 3/4" E.C. TO PATCH PANEL IN EXISTING OFFICE R204. COORDINATE RACK AND PUNCH DOWN LOCATION WITH OWNER. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT DATA DROP, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER.	18" AFF

ABBREVIATION	DESCRIPTION
AFF	ABOVE FINISH FLOOR
AFC	ABOVE FINISH CEILING
AFG	ABOVE FINISH GRADE
AMP, A	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH; SEE TRANSFER SWITCH SCHEDULE
AWG	AMERICAN WIRE GUAGE
BFC	BELOW FINISHED CEILING
CL	CENTERLINE
CT	COUNTERTOP
EC	ELECTRICAL CONDUIT
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INDICATOR
PSEG	PUBLIC SERVICE ELECTRIC AND GAS COMPANY (LOCAL ELECTRIC UTILITY)
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NTS	NOT TO SCALE
UON	UNLESS OTHERWISE NOTED
UC	UNDERCOUNTER
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLT DIRECT CURRENT
X-FMR	TRANSFORMER
WP	WEATHERPROOF

SYMBOL	DESCRIPTION	COMMENTS
T	LINE VOLTAGE THERMOSTAT, 120V, 10A.	
	CIRCUIT BREAKER WITH TRIP AND POLES AS NOTED.	
TS1	TRANSFER SWITCH TS1; SEE TRANSFER SWITCH SCHEDULE.	
M.C.B 70A/2P PANEL "P1"	DISTRIBUTION PANEL P1 WITH 30A, 2 POLE M.C.B.; SEE DISTRIBUTION PANEL SCHEDULE.	
	DISCONNECT SWITCH DS1, 100A, 3 POLES; SEE DISCONNECT SWITCH SCHEDULE.	
DS3 100A/3P	FUSED DISCONNECT SWITCH DS2, FUSED AT 40A, 3 POLES; SEE DISCONNECT SWITCH SCHEDULE.	
G1	GENERATOR SET G1	
M	ELECTRIC METER AND METER PAN AS PER PSEG REQUIREMENTS.	
5	MOTOR, NUMBER INDICATED HORSEPOWER.	
	CURRENT TRANSFORMER.	
PTS	VOLTAGE TRANSFORMER.	
T2	TRANSFORMER WITH SIZE, PRIMARY AND SECONDARY VOLTAGES AS NOTED.	
RVRM 10	REDUCED VOLTAGE SOLID STATE RAMPING MODULE, SIZED FOR 10 H.P.	
RVSS 150	REDUCED VOLTAGE SOLID STATE STARTER, SIZED FOR 150 H.P.	
VFD 25	VARIABLE FREQUENCY DRIVE, RATED FOR 25 H.P.	
FVNR 5	FULL VOLTAGE NON-REVERSING STARTER, NEMA SIZE 6	
FVR 5	FULL VOLTAGE REVERSING STARTER, NEMA SIZE 5	
JJS	FAST ACTING SOLID STATE FUSES AS PER MANUFACTURER.	
	MULTIPLE BRANCH CIRCUITS AS REQUIRED.	
	CONTROL CIRCUIT; MIN 2 #12 AWG IN 3/4" E.C.	

COMMUNICATIONS LEGEND

SYMBOL	DESCRIPTION	
W	WALL MOUNTED IP ENABLED CAMERA SHALL BE PROVIDED AND INSTALLED BY DISTRICT. PROVIDE CAT6 CABLE TO PATCH PANEL IN SECOND FLOOR OFFICE. COORDINATE RACK AND PUNCH DOWN LOCATION WITH I.T. DEPARTMENT. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT CAMERA, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER. ALL PROGRAMMING AND LICENSING OF CAMERAS TO BE BY DISTRICT. COORDINATE EXACT MOUNTING HEIGHT, LOCATION, AND AIMING ANGLE WITH DISTRICT.	10'-0" AFG
C	CEILING MOUNTED IP ENABLED CAMERA SHALL BE PROVIDED AND INSTALLED BY DISTRICT. PROVIDE CAT6 CABLE TO PATCH PANEL IN SECOND FLOOR OFFICE. COORDINATE RACK AND PUNCH DOWN LOCATION WITH I.T. DEPARTMENT. AT PATCH PANEL, LABEL CABLE WITH ROOM NUMBER/NAME. AT CAMERA, LABEL CABLE WITH IDF RACK NUMBER, PATCH PANEL NUMBER, AND PORT NUMBER. ALL PROGRAMMING AND LICENSING OF CAMERAS TO BE BY DISTRICT. COORDINATE EXACT MOUNTING HEIGHT, LOCATION, AND AIMING ANGLE WITH DISTRICT.	FLUSH

ELECTRICAL SHEET LIST

Sheet Number	Sheet Name
E 001	ELECTRICAL GENERAL NOTES AND LEGENDS
ED 111	ELECTRICAL DEMOLITION PLAN FIRST FLOOR
ED 112	ELECTRICAL DEMOLITION PLAN SECOND FLOOR
ED 113	ELECTRICAL DEMOLITION PLAN ROOF
ES 100	ELECTRICAL SITE PLAN
E 101	ELECTRICAL POWER PLAN FIRST FLOOR
E 102	ELECTRICAL POWER PLAN SECOND FLOOR
E 111	ELECTRICAL HVAC POWER PLAN FIRST FLOOR
E 112	ELECTRICAL HVAC POWER PLAN SECOND FLOOR
E 113	ELECTRICAL HVAC POWER PLAN ROOF
E 121	ELECTRICAL LIGHTING PLAN FIRST FLOOR
E 122	ELECTRICAL LIGHTING PLAN SECOND FLOOR
E 140	ELECTRICAL GENERATOR PLAN
E 500	ELECTRICAL DETAILS
E 501	ELECTRICAL DETAILS
E 540	ELECTRICAL GENERATOR DETAILS
E 600	ELECTRICAL SCHEDULES
E 601	ELECTRICAL PANEL SCHEDULES
E 610	ELECTRICAL SINGLE LINE DIAGRAM

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
518.765.5105 • www.h2m.com

CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
DJH	DJH		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL GENERAL NOTES AND LEGENDS

DRAWING No.

E 001

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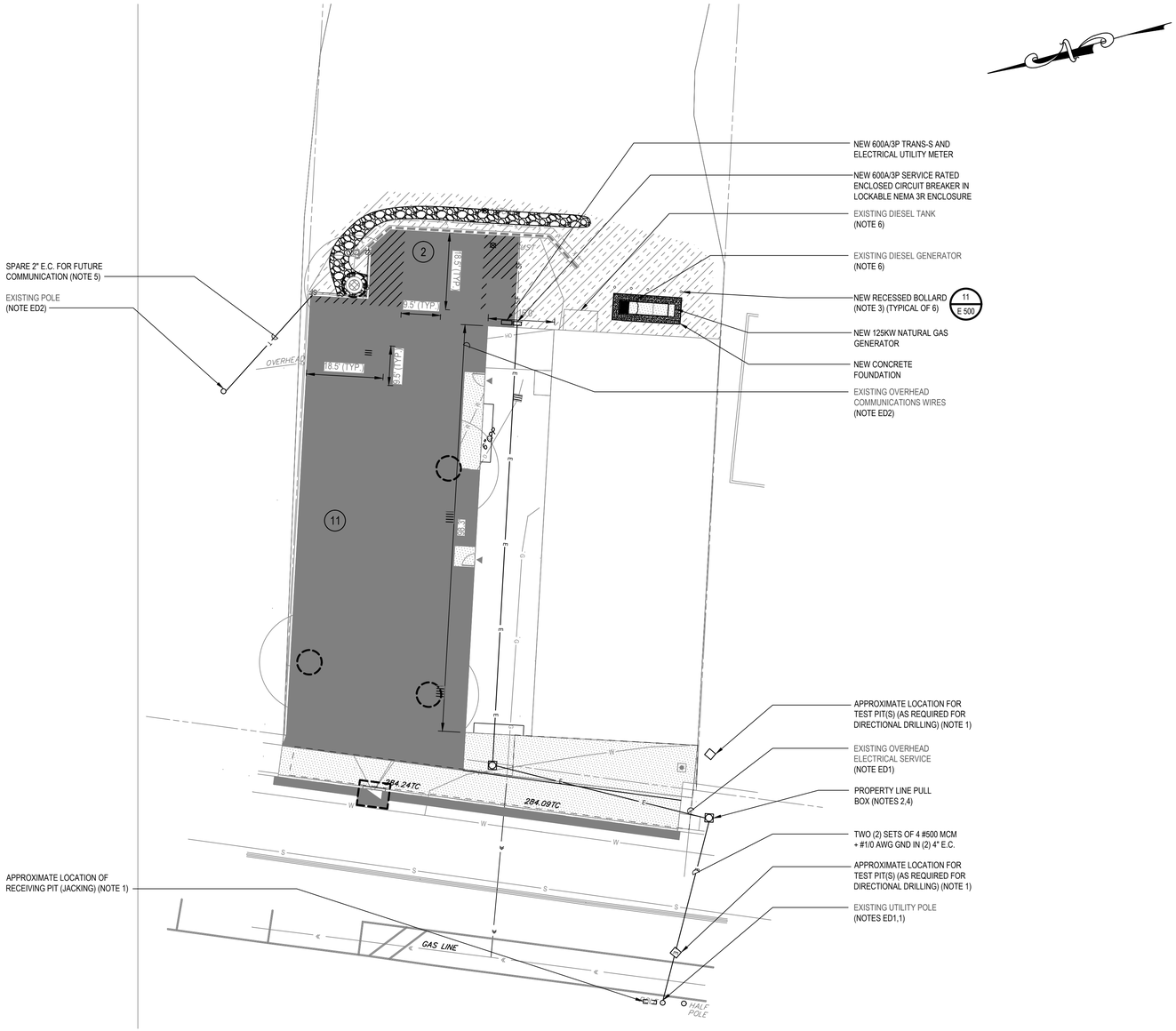

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ELECTRICAL SITE PLAN GENERAL NOTES:

G1. CONTRACTOR SHALL INSPECT CONSTRUCTION SITE PRIOR TO SUBMISSION OF BIDS AND SHALL MAKE NO ADDITIONAL CLAIMS REGARDING SITE CONDITIONS THEREAFTER.

G2. LOCATION OF ALL UNDERGROUND UTILITIES BOTH PUBLIC AND CUSTOMER OWNED, WERE OBTAINED FROM EITHER MAPS, SURVEYS, DRAWINGS AND RECORDS SUPPLIED BY OTHERS. THE OWNER AND ENGINEER DO NOT GUARANTEE OR ACCEPT RESPONSIBILITY FOR ANY DAMAGE TO SUCH FACILITIES DUE TO DISCREPANCIES IN LOCATION AND SIZE SHOWN ON THE PLANS OR THOSE UTILITIES NOT SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A PRIVATE MARKOUT COMPANY FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL LOCATE ALL UTILITIES WITHIN PROXIMITY OF CONSTRUCTION LIMITS.

G3. CONTRACTOR SHALL COMPLETELY RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO GRASS AREAS, LANDSCAPING, PAVEMENTS, SIDEWALKS, CURBING AND IN-GROUND SPRINKLER SYSTEMS.

G4. THE CONTRACTOR SHALL PERFORM DAILY CLEAN-UP OPERATIONS WHICH INCLUDE REMOVAL OF DEBRIS AND EXCESS CONSTRUCTION MATERIAL TO THE SATISFACTION OF THE OWNER AND THE ENGINEER.

G5. DURING ALL NON-WORKING HOURS, THE CONTRACTOR WILL BE REQUIRED TO STORE ALL EQUIPMENT AND MATERIALS WITHIN THE AREA DESIGNATED BY THE ENGINEER AT THE PROJECT SITE.

G6. PROVIDE TEMPORARY FENCING TO PROTECT WORK AREAS.

G7. CONTRACTOR SHALL MINIMIZE REMOVAL OF EXISTING TREES. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE LAYOUT, TAGGING AND REMOVAL OF TREES REQUIRED TO COMPLETE ALL WORK. OWNER SHALL APPROVE TREES TO BE REMOVED PRIOR TO ACTUAL REMOVALS. REMOVALS SHALL INCLUDE REMOVAL OF COMPLETE STUMP AND ROOT SYSTEM. CONTRACTOR NOT PERMITTED TO GRIND STUMPS.

G8. CONCRETE SIDEWALKS SHALL BE SAWCUT BACK TO EXPANSION/ CONTROL JOINTS.

DEMOLITION SITE PLAN NOTES:

ED1. CON EDISON SHALL REMOVE AND DISPOSE OF EXISTING SERVICE AND SERVICE RISER ONCE NEW SERVICE IS INSTALLED. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING SECONDARY SERVICE CONDUCTORS AND ALL ASSOCIATED CONDUIT. CONTRACTOR SHALL REPAIR SURFACES TO MATCH EXISTING. CONTRACTOR SHALL COORDINATE REMOVAL OF EXISTING POLE MOUNTED UTILITY TRANSFORMERS WITH CON EDISON.

ED2. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING OVERHEAD COMMUNICATIONS WIRES BACK TO SOURCE. EXISTING POLE SHALL REMAIN.

SITE PLAN NOTES:

1. NEW ELECTRIC SERVICE RISER AS PER UTILITY REQUIREMENTS. CONTRACTOR SHALL COORDINATE WITH CON EDISON.

2. NEW PROPERTY LINE PULL BOX SHALL BE AS PER UTILITY REQUIREMENTS.

3. CONTRACTOR SHALL OBTAIN THE SERVICES OF A DIRECTIONAL DRILLING SUB-CONTRACTOR FOR EXACT LOCATIONS OF DRILLING EQUIPMENT TEST PITS. SUB-CONTRACTOR TO DIRECTIONAL DRILL CONDUITS UNDER ROAD TO NEW UTILITY POLE. SUB-CONTRACTOR SHALL PROVIDE ALL TEST PITS AS REQUIRED. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL ASSOCIATED DIRECTIONAL DRILLING SUB-CONTRACTOR COSTS AND PERMITS.

4. CONTRACTOR SHALL PROVIDE AND INSTALL NEW PULLBOX. SITE PLAN SHOWS MINIMUM REQUIRED PULL BOXES. PROVIDE ADDITIONAL PULL BOXES AS REQUIRED BY NEC AND UTILITY SERVICE REQUIREMENTS.

5. SAW-CUT EXISTING PAVEMENT/SIDEWALK/CURBING FOR INSTALLATION OF NEW CONDUITS. REMOVE AND DISPOSE OF ALL DEBRIS.

6. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING GENERATOR AND DIESEL FUEL TANK IN ACCORDANCE WITH EPA STANDARDS. REMOVE AND DISPOSE OF INCLUDES ALL FUEL PIPING, ELECTRICAL WIRING, AND CONDUIT BACK TO SOURCE.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
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CONSULTANTS:

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VILLAGE OF MOUNT KISCO

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ELECTRICAL SITE PLAN

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ES 100

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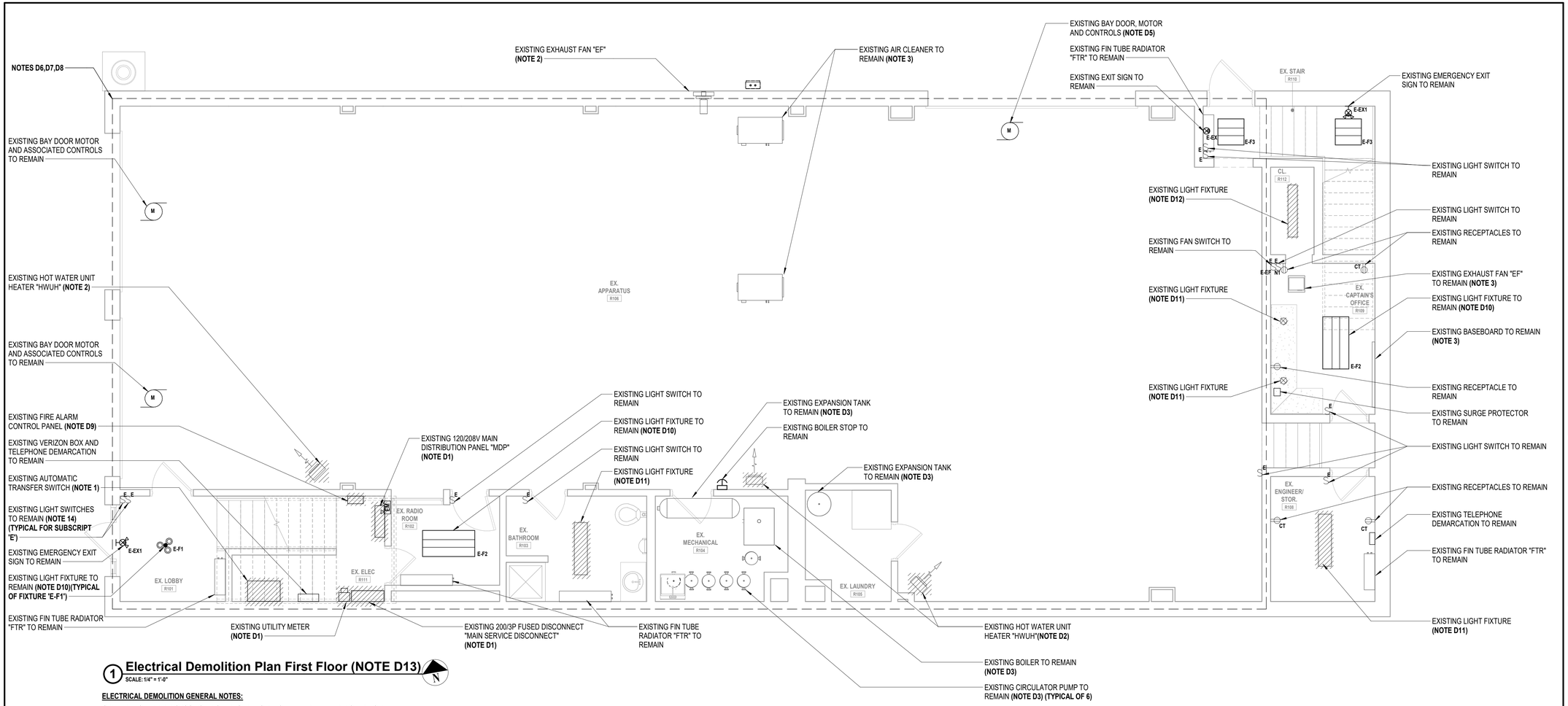

1 Electrical Demolition Plan First Floor (NOTE D13)

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

ELECTRICAL DEMOLITION GENERAL NOTES:

GD1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS,WIRES, AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.

GD2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.

GD3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.

GD4. WHERE CONDUITS AND WIRING PASS THROUGH WORK AREA AND/OR ARE SCHEDULED TO REMAIN, CONTRACTOR SHALL REROUTE EXISTING CONDUIT AND WIRING. PROVIDE CONDUIT, WIRE, AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR.

ELECTRICAL DEMOLITION KEY NOTES:

D1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MAIN ELECTRICAL SERVICE ENTRANCE EQUIPMENT INCLUDING BUT NOT LIMITED TO MAIN DISTRIBUTION PANEL "MDP", UTILITY METER, MAIN SERVICE DISCONNECT SWITCH, AUTOMATIC TRANSFER SWITCH "ATS", AND ALL ASSOCIATED CONDUITS AND WIRES BACK TO UTILITY POLE. EXISTING SECONDARY FEEDERS TO REMAIN, UNLESS OTHERWISE NOTED.

D2. EQUIPMENT IDENTIFIED TO BE REMOVED. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE.

D3. EQUIPMENT IDENTIFIED TO REMAIN. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE. ALL EXISTING LINE VOLTAGE AND LOW VOLTAGE CONTROLS SHALL REMAIN FOR RE-USE. PRIOR TO REMOVAL, CONTRACTOR SHALL VERIFY VOLTAGE AND PHASE OF EQUIPMENT. IF VOLTAGE AND PHASE DOES NOT MATCH NEW CIRCUIT BREAKER TO BE PROVIDED FOR EQUIPMENT, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.

D4. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING DISTRIBUTION PANEL BACK TO SOURCE, INCLUDING BUT NOT LIMITED TO CIRCUIT BREAKERS, BUS, COVERS, AND MAIN FEEDERS. SUB DISTRIBUTION FEEDERS AND EXISTING BACKBOX TO REMAIN. CONTRACTOR SHALL EXTEND AND TERMINATE EXISTING SUB DISTRIBUTION FEEDERS SCHEDULED TO REMAIN TO NEW PANEL "MDP". CONTRACTOR SHALL RE-USE EXISTING BACKBOX FOR WIRE BENDING SPACE.

D5. REMOVE AND DISPOSE OF EXISTING BAY DOOR MOTOR AND ALL ASSOCIATED CONTROLS. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE.

D6. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL LIGHTING FIXTURES INCLUDING BUT NOT LIMITED TO HOUSING, BALLASTS, BULBS, MOUNTING HARDWARE, ACCESSORIES, ASSOCIATED SWITCHES, AND CONDUIT AND WIRE BACK TO SOURCE IN THIS AREA, UNLESS OTHERWISE NOTED.

D7. CONTRACTOR SHALL HANDLE, REMOVE, AND DISPOSE OF ALL MERCURY CONTAINING BULBS AND PCB CONTAINING BALLASTS SCHEDULED FOR DEMOLITION PLAN IN ACCORDANCE WITH EPA STANDARDS. CONTRACTOR SHALL ASSUME ALL EXISTING FLUORESCENT FIXTURES CONTAIN PCB CONTAINING BALLASTS AND MERCURY CONTAINING LAMPS.

D8. CONTRACTOR SHALL REMOVE AND DISPOSE OF WIRING DEVICES, INCLUDING BUT NOT LIMITED TO SPEAKERS, FIRE ALARM DEVICES, SWITCHES, SENSORS, RECEPTACLES, DATA AND/OR TELEPHONE OUTLETS, AND ALL ASSOCIATED CONDUITS AND WIRES BACK TO SOURCE, UNLESS OTHERWISE NOTED. COORDINATE WORK WITH GENERAL CONTRACTOR AND ARCHITECT/ENGINEER IN FIELD.

D9. EXISTING FIRE ALARM SYSTEM TO BE DISCONNECTED AND REMOVED IN IT'S ENTIRETY **AFTER NEW FIRE ALARM SYSTEM HAS BEEN INSTALLED, TESTED AND ACCEPTED BY OWNER, ENGINEER, AND AHJ.** ALL EQUIPMENT, CONDUIT, AND WIRING TO BE REMOVED FROM DEVICES BACK TO SOURCE. CONTRACTOR SHALL PATCH, PRIME, AND PAINT TO MATCH EXISTING SURFACES. PROVIDE AND INSTALL NEW CEILING TILES AS REQUIRED TO MATCH EXISTING FINISHES AT LOCATIONS WHERE DEVICES ARE SCHEDULED FOR DEMOLITION WITHOUT REPLACEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GROUT, SILICON, FIRESTOPPING, PAINT, CEILING TILES, AND OTHER ACCESSORIES TO MATCH EXISTING FINISHES.

D10. EXISTING LIGHT FIXTURE TRIM TO REMAIN. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE LAMP AND REPLACE WITH NEW LIGHT FIXTURE LAMP. REFER TO LIGHT FIXTURE SCHEDULES FOR ADDITIONAL INFORMATION.

D11. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE INCLUDING BUT NOT LIMITED TO HOUSING, BALLASTS, BULBS, MOUNTING HARDWARE AND ACCESSORIES AND EXISTING POWER WIRE AND CONDUIT BACK TO SOURCE. LIGHTING CONTROL WIRE AND CONDUIT TO REMAIN.

D12. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE INCLUDING BUT NOT LIMITED TO HOUSING, BALLASTS, BULBS, MOUNTING HARDWARE AND ACCESSORIES, ASSOCIATED SWITCHES AND EXISTING WIRE AND CONDUIT BACK TO SOURCE.

D13. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL BUILDING-MOUNTED EXTERIOR LIGHTING. UNLESS OTHERWISE NOTED. REMOVE AND DISPOSE OF WIRE AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.

D14. EXISTING LIGHT SWITCH TO REMAIN. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING WIRE AND CONDUIT BACK TO SOURCE. EXISTING LIGHTING CONTROL WIRING TO REAMIN.

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3 Lear Jet Lane, Suite 205
Latham, NY 12110
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PROJECT No:	DATE:	SCALE:
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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL DEMOLITION PLAN FIRST FLOOR

DRAWING No.

ED 111

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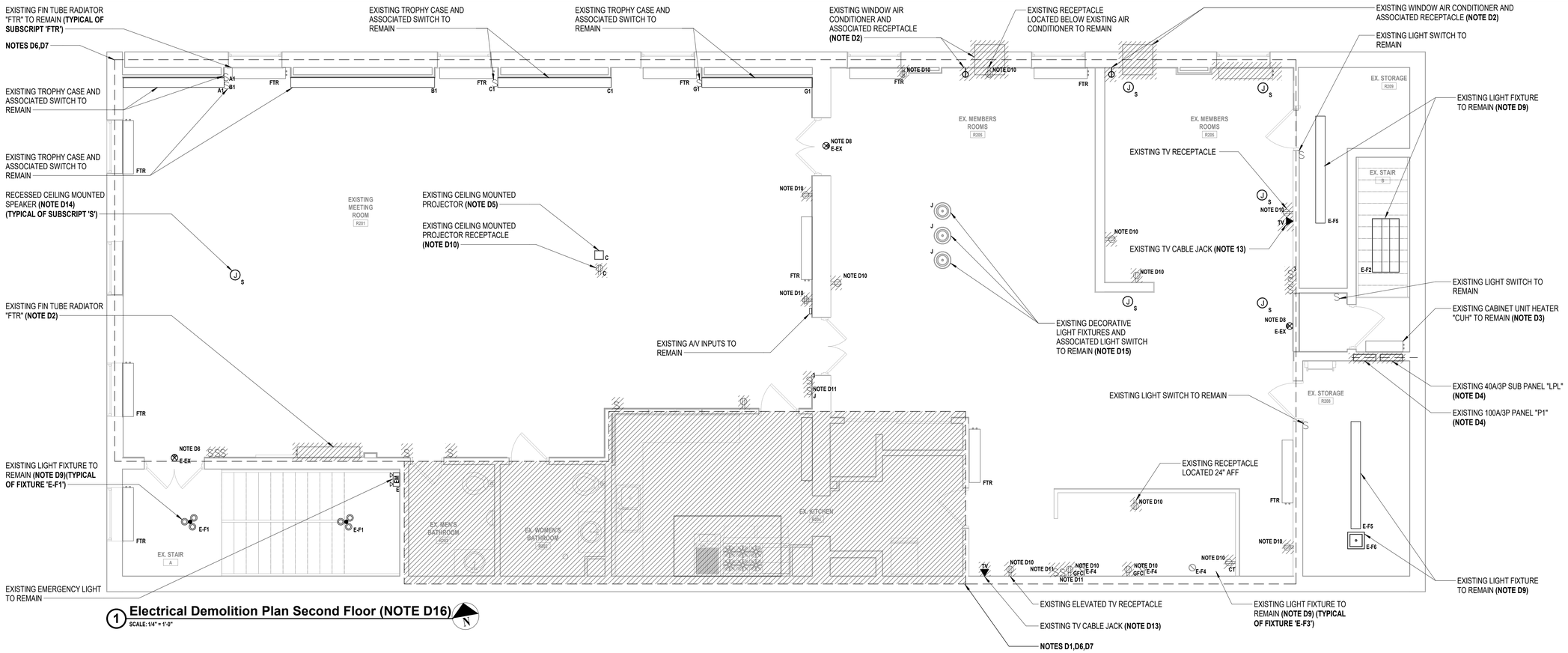

1 **Electrical Demolition Plan Second Floor (NOTE D16)**
SCALE: 1/4" = 1'-0"

ELECTRICAL DEMOLITION GENERAL NOTES:

GD1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS,WIRES, AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.

GD2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.

GD3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.

GD4. WHERE CONDUITS AND WIRING PASS THROUGH WORK AREA AND/OR ARE SCHEDULED TO REMAIN, CONTRACTOR SHALL REROUTE EXISTING CONDUIT AND WIRING. PROVIDE CONDUIT, WIRE, AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR.

ELECTRICAL DEMOLITION KEY NOTES:

D1. CONTRACTOR SHALL REMOVE AND DISPOSE OF WIRING DEVICES, INCLUDING BUT NOT LIMITED TO SPEAKERS, FIRE ALARM DEVICES, SWITCHES, SENSORS, RECEPTACLES, DATA AND/OR TELEPHONE OUTLETS, AND ALL ASSOCIATED CONDUITS AND WIRES BACK TO SOURCE, UNLESS OTHERWISE NOTED. COORDINATE WORK WITH GENERAL CONTRACTOR AND ARCHITECT/ENGINEER IN FIELD.

D2. EQUIPMENT IDENTIFIED TO BE REMOVED (BY OTHERS). CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE.

D3. EQUIPMENT IDENTIFIED TO REMAIN. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE. ALL EXISTING LINE VOLTAGE AND LOW VOLTAGE CONTROLS SHALL REMAIN FOR RE-USE. PRIOR TO REMOVAL, CONTRACTOR SHALL VERIFY VOLTAGE AND PHASE OF EQUIPMENT. IF VOLTAGE AND PHASE DOES NOT MATCH NEW CIRCUIT BREAKER TO BE PROVIDED FOR EQUIPMENT, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.

D4. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING DISTRIBUTION PANEL BACK TO SOURCE, INCLUDING BUT NOT LIMITED TO CIRCUIT BREAKERS, BUS, COVERS, AND MAIN FEEDERS. SUB DISTRIBUTION FEEDERS AND EXISTING BACKBOX TO REMAIN. CONTRACTOR SHALL EXTEND AND TERMINATE EXISTING SUB DISTRIBUTION FEEDERS SCHEDULED TO REMAIN TO NEW PANEL "GP4". CONTRACTOR SHALL RE-USE EXISTING BACKBOX FOR WIRE BENDING SPACE.

D5. CONTRACTOR SHALL REMOVE AND STORE EXISTING PROJECTOR AND ALL ASSOCIATED MOUNTING HARDWARE AND ACCESSORIES DURING ACTIVE DEMOLITION AND CONSTRUCTION. EXISTING WIRE AND CONDUIT TO REMAIN. ONCE DEMOLITION AND CONSTRUCTION ARE COMPLETE, CONTRACTOR SHALL RE-INSTALL EXISTING PROJECTOR SCREEN IN NEW LOCATION. PROVIDE AND EXTEND EXISTING WIRE AND CONDUIT TO TERMINATE TO NEW LOCATION. REFER TO DRAWING E 102 FOR ADDITIONAL INFORMATION.

D6. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL LIGHTING FIXTURES INCLUDING BUT NOT LIMITED TO HOUSING, BALLASTS, BULBS, MOUNTING HARDWARE, ACCESSORIES, ASSOCIATED SWITCHES, AND CONDUIT AND WIRE BACK TO SOURCE IN THIS AREA, UNLESS OTHERWISE NOTED.

D7. CONTRACTOR SHALL HANDLE, REMOVE, AND DISPOSE OF ALL MERCURY CONTAINING BULBS AND PCB CONTAINING BALLASTS SCHEDULED FOR DEMOLITION PLAN IN ACCORDANCE WITH EPA STANDARDS. CONTRACTOR SHALL ASSUME ALL EXISTING FLUORESCENT FIXTURES CONTAIN PCB CONTAINING BALLASTS AND MERCURY CONTAINING LAMPS.

D8. CONTRACTOR SHALL REMOVE AND STORE EXISTING EXIT SIGN AND ALL ASSOCIATED HARDWARE AND ACCESSORIES DURING ACTIVE DEMOLITION AND CONSTRUCTION. REMOVE AND DISPOSE OF EXISTING WIRE AND CONDUIT BACK TO SOURCE. ONCE ACTIVE DEMOLITION AND CONSTRUCTION ARE COMPLETED CONTRACTOR SHALL RE-INSTALL EXISTING EXIT SIGN.

D9. EXISTING LIGHT FIXTURE TRIM TO REMAIN. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING LIGHT FIXTURE LAMP AND REPLACE WITH NEW LIGHT FIXTURE LAMP. REFER TO LIGHT FIXTURE SCHEDULES FOR ADDITIONAL INFORMATION.

D10. CONTRACTOR SHALL REPLACE EXISTING RECEPTACLE WITH A NEW RECEPTACLE IN THE SAME LOCATION. REMOVE AND DISPOSE OF EXISTING WIRE AND CONDUIT BACK TO SOURCE. PROVIDE AND INSTALL NEW FACE PLATE AS REQUIRED. TYPICAL FOR ALL RECEPTACLES SHOWN, U.O.N.

D11. CONTRACTOR SHALL REPLACE EXISTING LIGHT SWITCH WITH A NEW LIGHT SWITCH IN THE SAME LOCATION. RE-USE EXISTING WIRE/CONDUIT. PROVIDE AND EXTEND WIRE/CONDUIT AS REQUIRED. PROVIDE AND INSTALL NEW FACE PLATE AS REQUIRED.TYPICAL FOR ALL SWITCHES SHOWN, U.O.N.

D12. CONTRACTOR SHALL REPLACE EXISTING DATA JACK WITH A NEW DATA JACK IN THE SAME LOCATION. RE-USE EXISTING WIRE. PROVIDE AND INSTALL NEW FACE PLATE AS REQUIRED. TYPICAL FOR ALL DATA JACKS SHOWN, U.O.N.

D13. CONTRACTOR SHALL REPLACE EXISTING TELEVISION JACK WITH A NEW TELEVISION JACK IN THE SAME LOCATION. RE-USE EXISTING WIRE. PROVIDE AND INSTALL NEW FACE PLATE AS REQUIRED. TYPICAL FOR ALL TELEVISION JACKS SHOWN, U.O.N.

D14. CONTRACTOR SHALL REMOVE AND STORE EXISTING RECESSED CEILING MOUNTED PA SPEAKER DURING ACTIVE DEMOLITION AND CONSTRUCTION. EXISTING WIRE AND CONDUIT TO REMAIN. ONCE ACTIVE DEMOLITION AND CONSTRUCTION ARE COMPLETE, CONTRACTOR SHALL RE-INSTALL PA SPEAKER IN SAME LOCATION AND RE-TERMINATE EXISTING WIRE AND CONDUIT TO EXISTING PA SPEAKER.

D15. CONTRACTOR SHALL REMOVE AND STORE EXISTING LIGHT FIXTURES DURING ACTIVE DEMOLITION AND CONSTRUCTION. EXISTING WIRE AND CONDUIT TO REMAIN. ONCE ACTIVE DEMOLITION AND CONSTRUCTION IS COMPLETE, CONTRACTOR SHALL RE-INSTALL LIGHT FIXTURES IN NEW LOCATION. PROVIDE AND EXTEND EXISTING WIRE AND CONDUIT TO TERMINATE TO NEW LOCATION OF FIXTURE.

D16. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL BUILDING-MOUNTED EXTERIOR LIGHTING, UNLESS OTHERWISE NOTED. REMOVE AND DISPOSE OF WIRE AND CONDUIT BACK TO SOURCE, UNLESS OTHERWISE NOTED.

H2M architects + engineers
3 Lear Jet Lane, Suite 205
Latham, NY 12110
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CONSULTANTS:

MARK	DATE	DESCRIPTION

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DJH	DJH		
PROJECT No:	DATE:	SCALE:	
MKIV 1802	12/13/2021	AS SHOWN	

CLIENT
VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT
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GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
ELECTRICAL DEMOLITION PLAN SECOND FLOOR

DRAWING No.
ED 112

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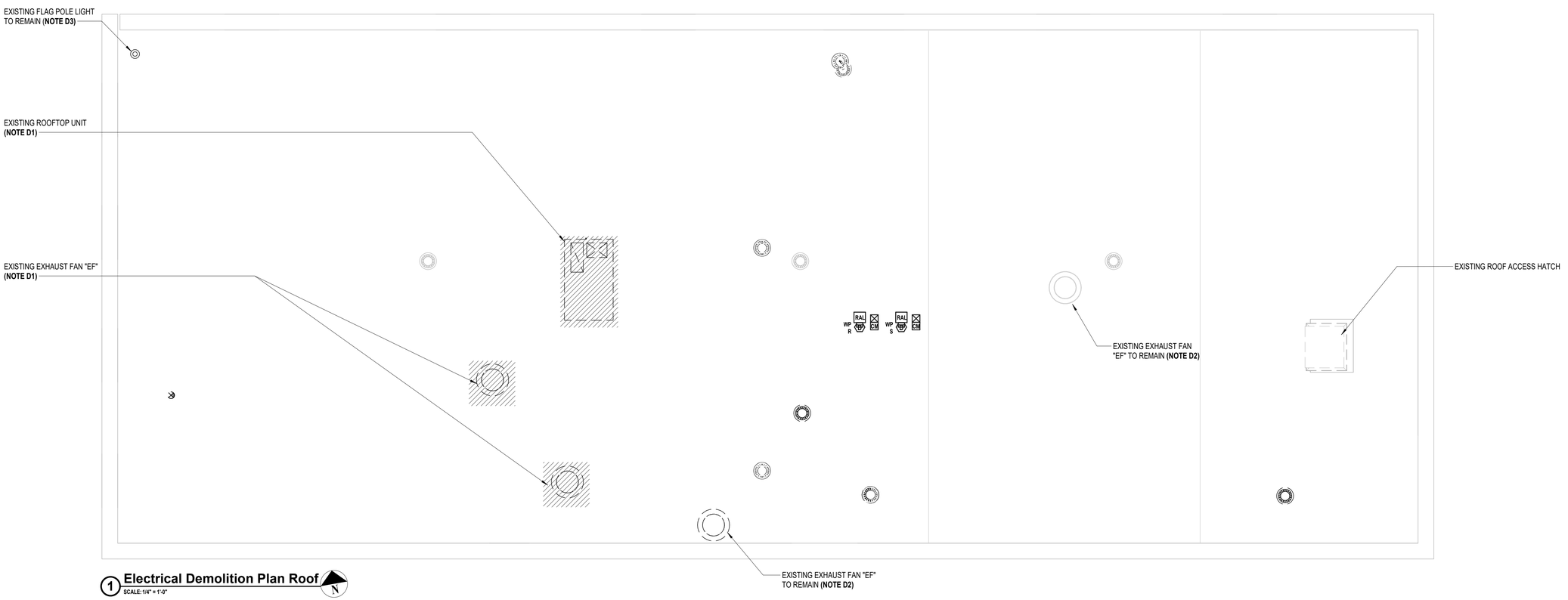

1 Electrical Demolition Plan Roof

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

ELECTRICAL DEMOLITION GENERAL NOTES:

GD1. REMOVE AND DISPOSE OF INCLUDES REMOVAL OF ITEM IDENTIFIED INCLUDING ALL CONDUITS,WIRES, AND CABLES, BACK TO SOURCE UNLESS OTHERWISE NOTED.

GD2. CONTRACTOR SHALL BE REQUIRED TO MAINTAIN CIRCUIT CONTINUITY FOR ALL EXISTING DEVICES ON A CIRCUIT WHEN THE DRAWINGS CALL FOR REMOVAL AND/OR DISPOSAL OF A DEVICE ON THAT CIRCUIT.

GD3. ALL CONDUITS SPECIFIED TO BE REMOVED SHALL BE CUT FLUSH WITH THE SURFACE AND SURFACE SHALL BE PATCHED UNLESS OTHERWISE NOTED. SURFACE SHALL BE PRIMED AND PAINTED TO MATCH EXISTING.

GD4. WHERE CONDUITS AND WIRING PASS THROUGH WORK AREA AND/OR ARE SCHEDULED TO REMAIN, CONTRACTOR SHALL REROUTE EXISTING CONDUIT AND WIRING. PROVIDE CONDUIT, WIRE, AND JUNCTION BOXES AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION. COORDINATE WITH GENERAL CONTRACTOR.

DEMOLITION KEY NOTES:

D1. EQUIPMENT IDENTIFIED TO BE REMOVED. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE.

D2. EQUIPMENT IDENTIFIED TO REMAIN. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ASSOCIATED EQUIPMENT INCLUDING BUT NOT LIMITED TO DISCONNECT SWITCHES, MOTOR STARTERS, CONDUITS AND WIRES BACK TO SOURCE. ALL EXISTING LINE VOLTAGE AND LOW VOLTAGE CONTROLS SHALL REMAIN FOR RE-USE. PRIOR TO REMOVAL, CONTRACTOR SHALL VERIFY VOLTAGE AND PHASE OF EQUIPMENT. IF VOLTAGE AND PHASE DOES NOT MATCH NEW CIRCUIT BREAKER TO BE PROVIDED FOR EQUIPMENT, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY.

D3. CONTRACTOR SHALL NOTE EXISTING FLAG POLE LIGHT FIXTURE TO REMAIN. REMOVE AND DISPOSE OF EXISTING WIRE AND CONDUIT BACK TO SOURCE.

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3 Lear Jet Lane, Suite 205
Latham, NY 12110
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SHEET TITLE

ELECTRICAL DEMOLITION PLAN ROOF

DRAWING No.

ED 113

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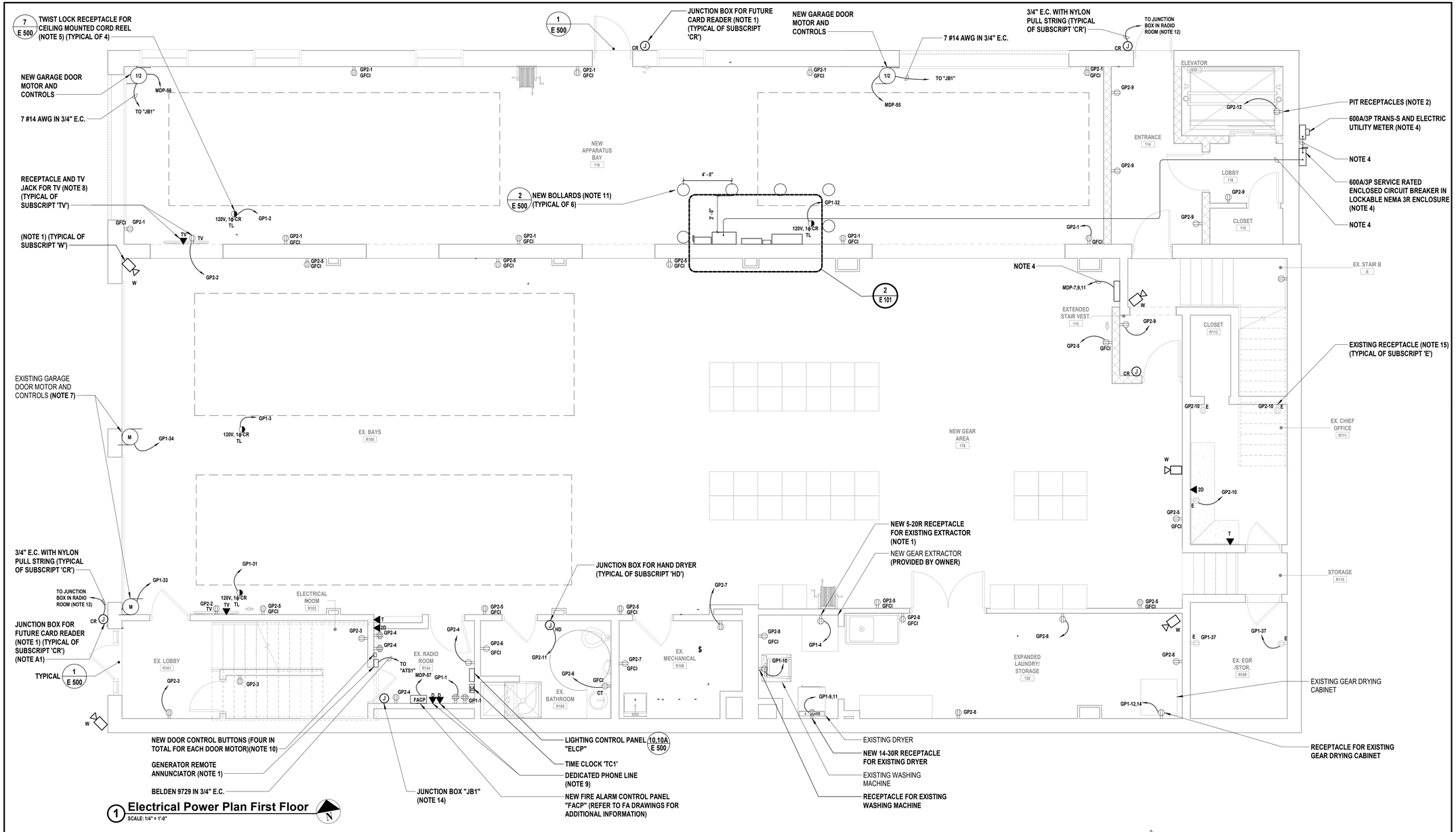
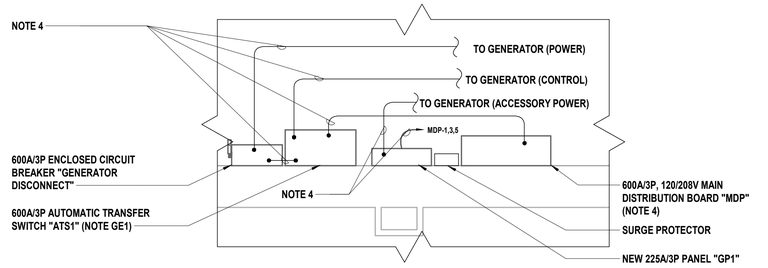


1 Electrical Power Plan First Floor

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



2 Electrical Enlarged Power Plan

SCALE: 1/2" = 1'-0"

ELECTRICAL KEY NOTES:

1. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL COORDINATE MOUNT RECEPTACLES AT LOWEST POINT OF ELEVATOR CAR TRAVEL AND EASILY ACCESSIBLE FROM THE PIT LADDER. COORDINATE EXACT HEIGHT AND LOCATION WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.
3. COORDINATE EXACT WIRE AND CONDUIT SIZE WITH ELEVATOR INSTALLER PRIOR TO ORDERING AND INSTALLATION.
4. REFER TO DRAWING E610 FOR SINGLE LINE DIAGRAM AND ADDITIONAL INFORMATION.
5. CONTRACTOR SHALL COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR INSTALLATION.
6. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH EQUIPMENT INSTALLER PRIOR TO INSTALLATION.
7. CONTRACTOR SHALL SPLICE EXISTING GARAGE DOOR MOTOR CONTROLS. PROVIDE AND/OR MODIFY EXISTING WIRE AND CONDUIT AS REQUIRED TO PROVIDE AND EXTEND EXISTING WIRE AND CONDUIT TO TERMINATE TO NEW CONTROLS LOCATED IN RADIO ROOM.
8. CONTRACTOR SHALL MOUNT RECEPTACLE AND DATA DROP AT 8'-0" AFF. COORDATE EXACT MOUNTING HEIGHT AND LOCATION WITH OWNER PRIOR TO INSTALLATION.
9. DATA DROP FOR IP COMMUNICATION TO CENTRAL STATION. CONTRACTOR SHALL COORDINATE WITH OWNER FOR EXACT TELEPHONE LOCATION FOR NEW VOICE OVER IP TELEPHONE SYSTEM. CONTRACTOR SHALL PROVIDE AND INSTALL ALL TELEPHONE TERMINATIONS AND SYSTEM PROGRAMMING AS REQUIRED.
10. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CONTROL BUTTON FOR EXISTING APPARATUS BAY DOOR IN RADIO ROOM. PROVIDE ALL PROGRAMMING AS REQUIRED.
11. BOLLARDS SHALL BE INSTALLED 4'-0" ON CENTER MAXIMUM. BOLLARDS SHALL BE 3'-0" MINIMUM AWAY FROM ELECTRICAL EQUIPMENT AS SHOWN.
12. CONTRACTOR SHALL COORDINATE EXACT TERMINATION LOCATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
13. CONTRACTOR SHALL PROVIDE AND INSTALL NEW CONTROL BUTTON FOR EXISTING APPARTUS BAY DOOR IN RADIO ROOM R104. PROVIDE PROGRAMMING AS REQUIRED.
14. CONTRACTOR SHALL PROVIDE ENGRAVED PHENOLIC LABEL ON JUNCTION BOX "GARAGE DOOR CONTROL WIRING". JUNCTION BOX SHALL BE 10"W X 10"H X 6"D MINIMUM. MOUNT AT 8'-0" AFF.
15. CONTRACTOR SHALL PROVIDE AND EXTEND EXISTING WIRE AND CONDUIT TO TERMINATE TO PANELBOARD.

GENERATOR/AUTOMATIC TRANSFER SWITCH NOTE:

GE1. GENERATOR AND AUTOMATIC TRANSFER SWITCH SHALL BE FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. CONTRACTOR SHALL INCLUDE ALL COSTS FOR LABOR AND MATERIALS FOR NEW WIRE/CONDUIT, TERMINATIONS AND ALL ASSOCIATED DISCONNECT SWITCHES, MOUNTING HARDWARE, AND OTHER ACCESSORIES ASSOCIATED WITH NEW UATOMATIC TRANSFER SWITCH.

ADD/ALTERNATE NOTES:

A1. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 02, ONLY.

A2. ALL COSTS FOR LABOR AND MATERIALS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN ALTERNATE 03, ONLY.

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3 Lear Jet Lane, Suite 205
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CONSULTANTS:

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DJH	DJH		

PROJECT No:	DATE:	SCALE:
MKIV 1802	12/13/2021	AS SHOWN

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

CONTRACT G
GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL POWER PLAN FIRST FLOOR

DRAWING No.

E 101

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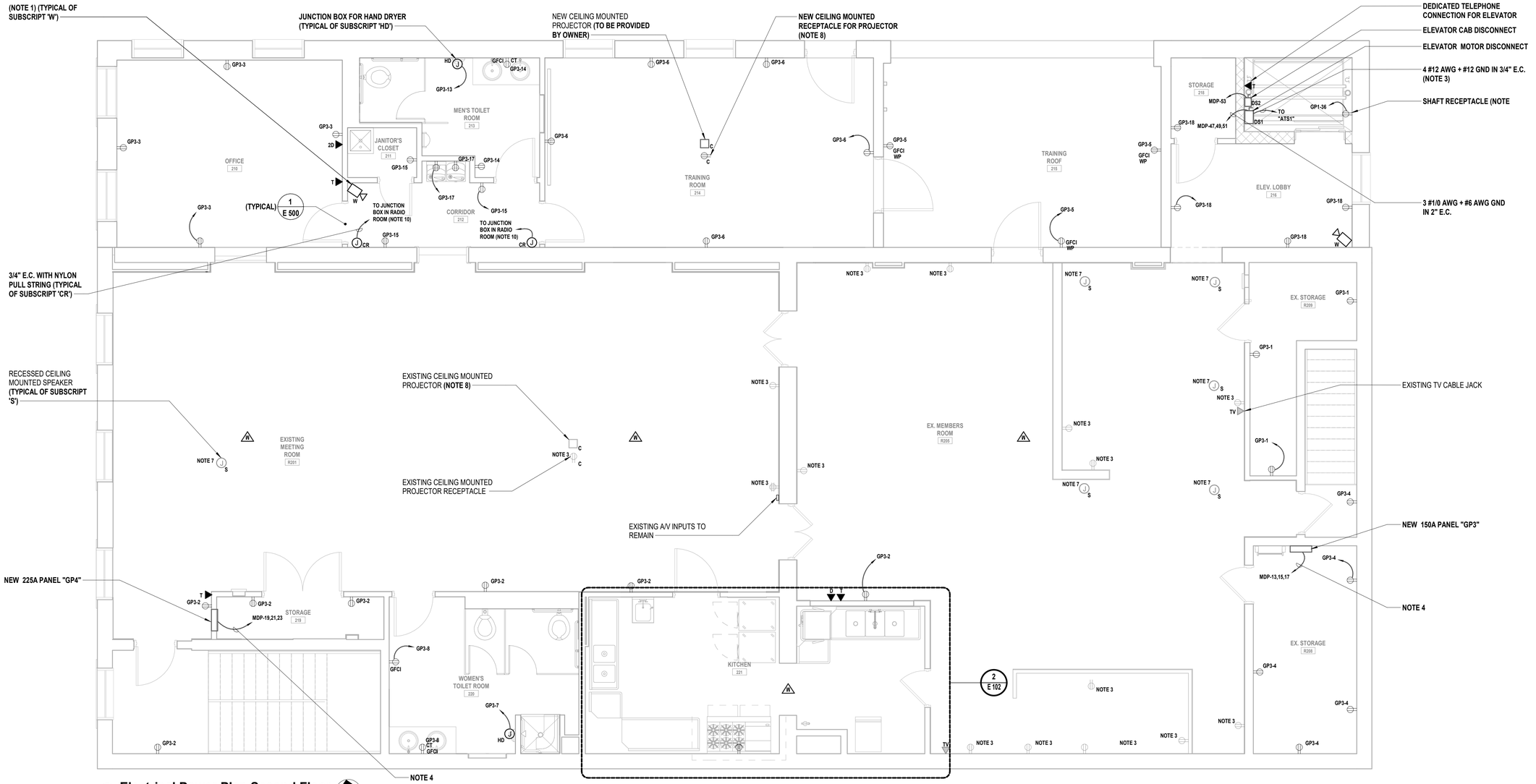
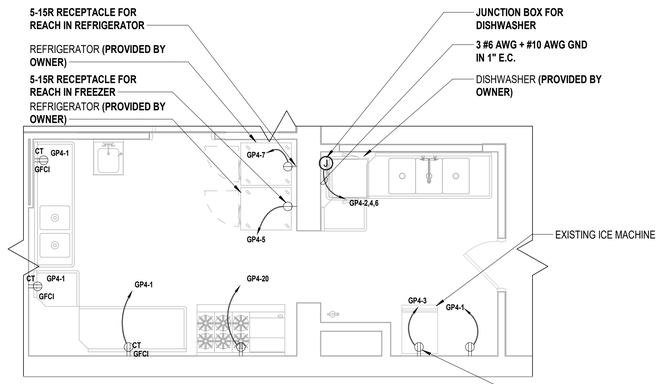


1 Electrical Power Plan Second Floor

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

ELECTRICAL KEY NOTES:

1. CONTRACTOR SHALL COORDINATE MOUNT RECEPTACLES AT HEIGHEST POINT OF ELEVATOR CAR TRAVEL. COORDINATE EXACT HEIGHT WITH ELEVATOR INSTALLER PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL PROVIDE AND INSTALL NEW TELEVISION JACK. RE-USE EXISTING WIRE AND CONDUIT.
3. CONTRACTOR SHALL PROVIDE AND EXTEND EXISTING WIRE AND CONDUIT AS REQUIRED TO TERMINATE TO NEW RECEPTACLE AND NEW PANEL "GP3".
4. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL PROVIDE AND INSTALL NEW TELEPHONE JACK IN SAME LOCATION. RE-USE EXISTING WIRE AND CONDUIT.
6. CONTRACTOR SHALL PROVIDE AND INSTALL NEW DATA JACK IN SAME LOCATION. RE-USE EXISTING WIRE AND CONDUIT.
7. CONTRACTOR SHALL CLEAN AND RE-INSTALL RECESSED CEILING MOUNTED SPEAKER. RE-USE EXISTING WIRE AND CONDUIT.
8. CONTRACTOR SHALL CLEAN AND RE-INSTALL CEILING MOUTNED PROJECTOR. RE-USE EXISTING WIRE AND CONDUIT.
9. CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
10. CONTRACTOR SHALL COORDINATE EXACT TERMINATION LOCATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.



2 Electrical Enlarged Kitchen Power Plan

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

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

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STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL POWER PLAN SECOND FLOOR

DRAWING No.

E 102

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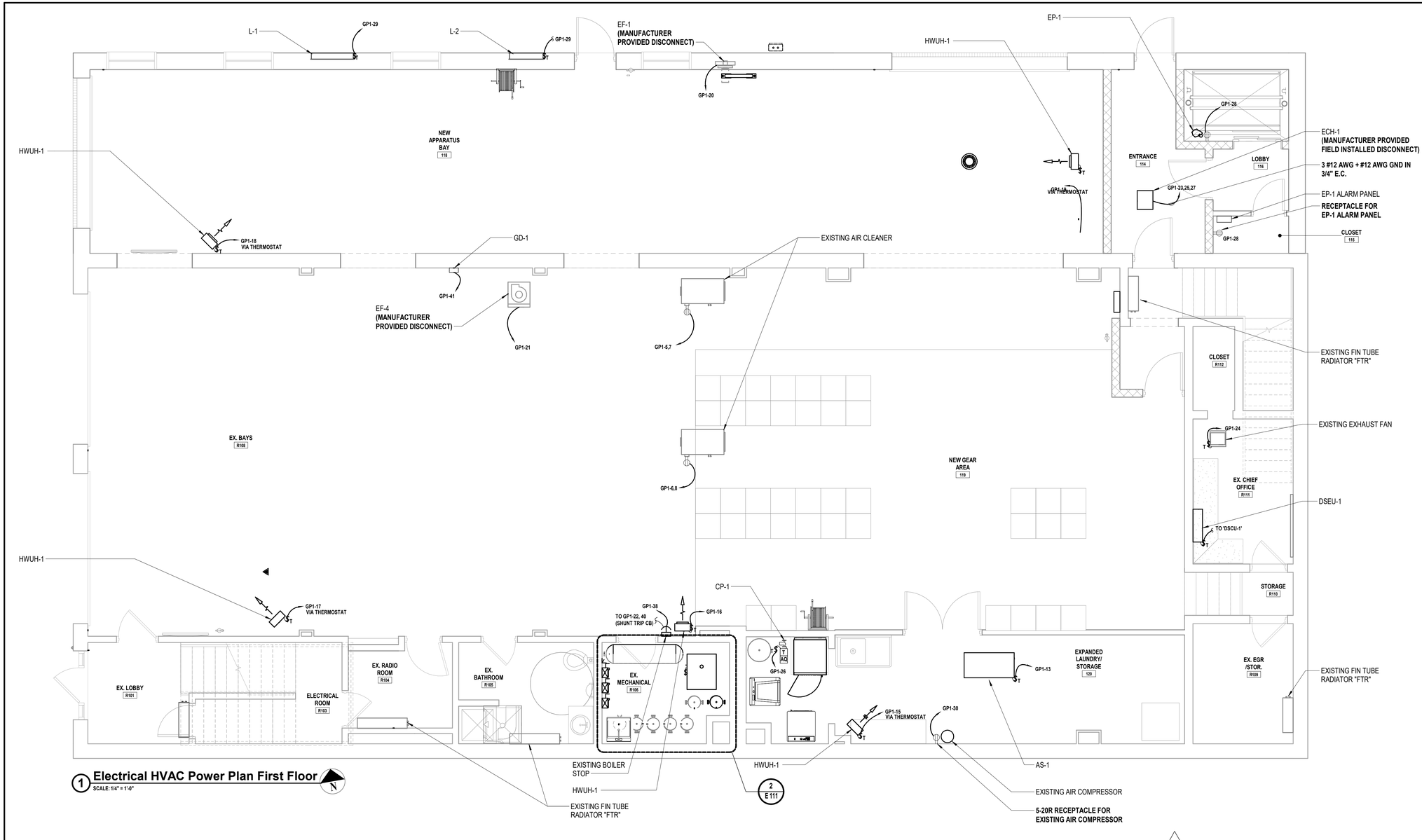

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PROJECT No:	DATE:	SCALE:
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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

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SHEET TITLE

ELECTRICAL HVAC POWER PLAN FIRST FLOOR

DRAWING No.

E 111

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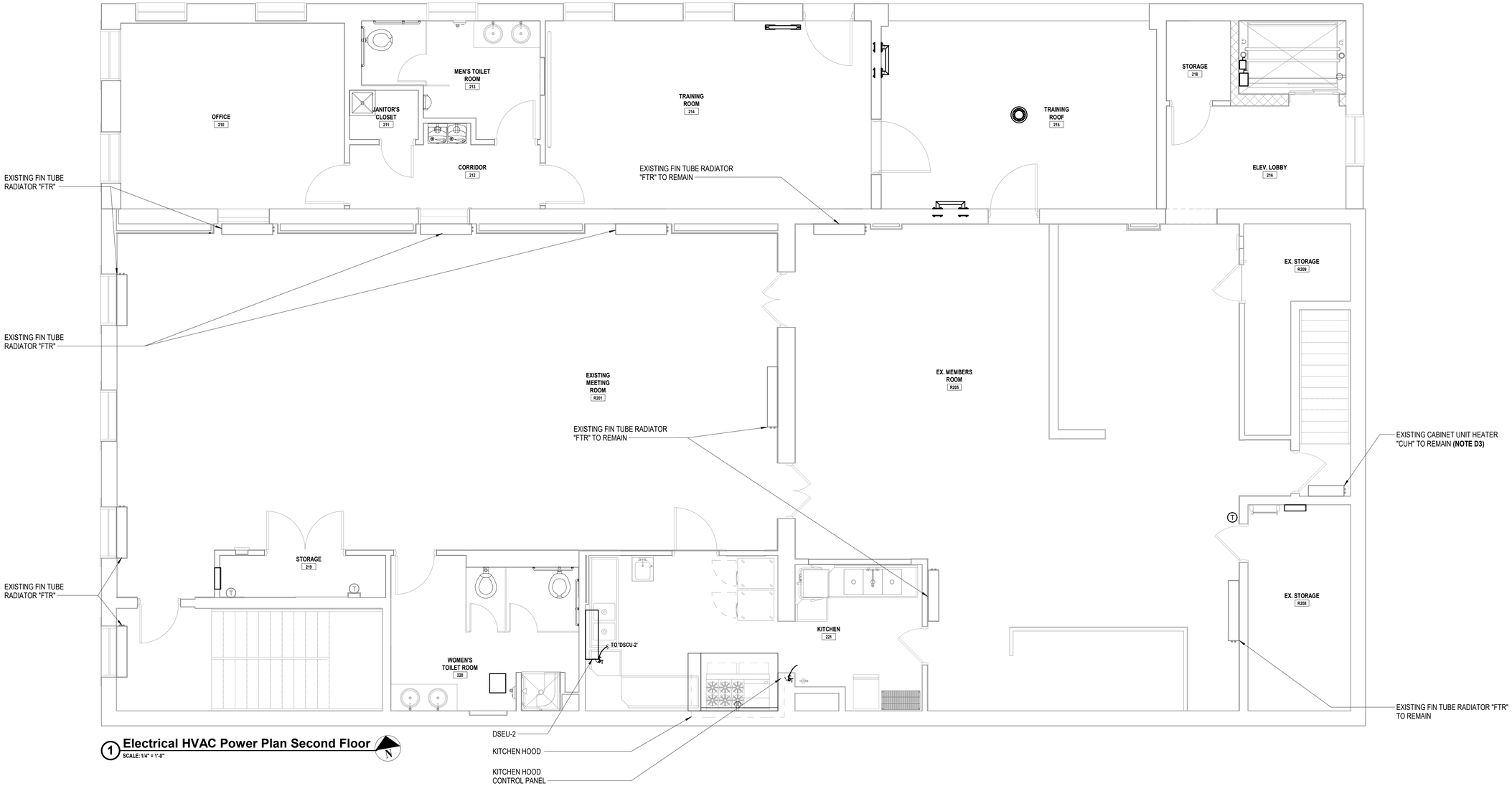

1 Electrical HVAC Power Plan Second Floor

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

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ELECTRICAL HVAC POWER PLAN SECOND FLOOR

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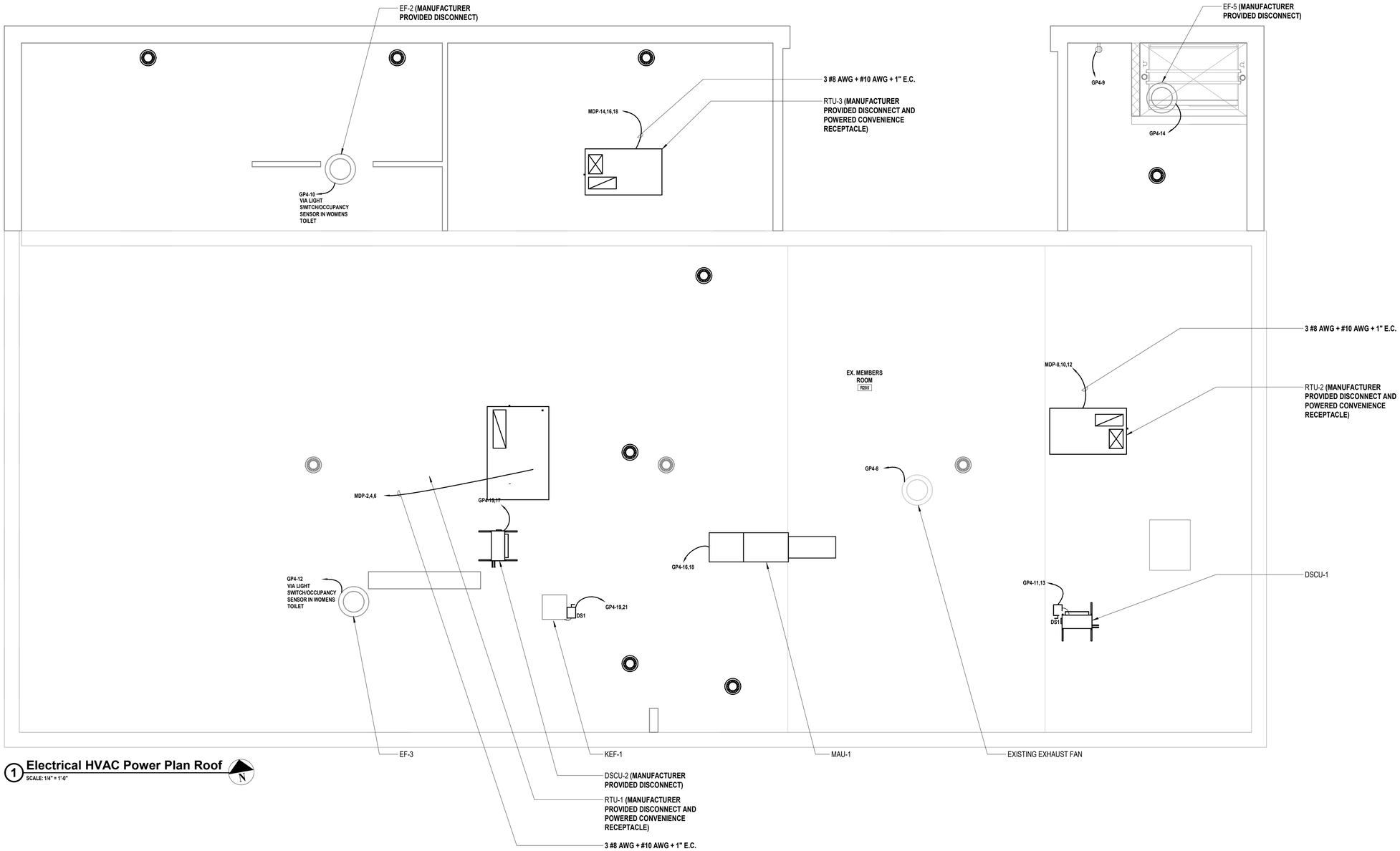

1 Electrical HVAC Power Plan Roof

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

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ELECTRICAL HVAC POWER PLAN ROOF

DRAWING No.

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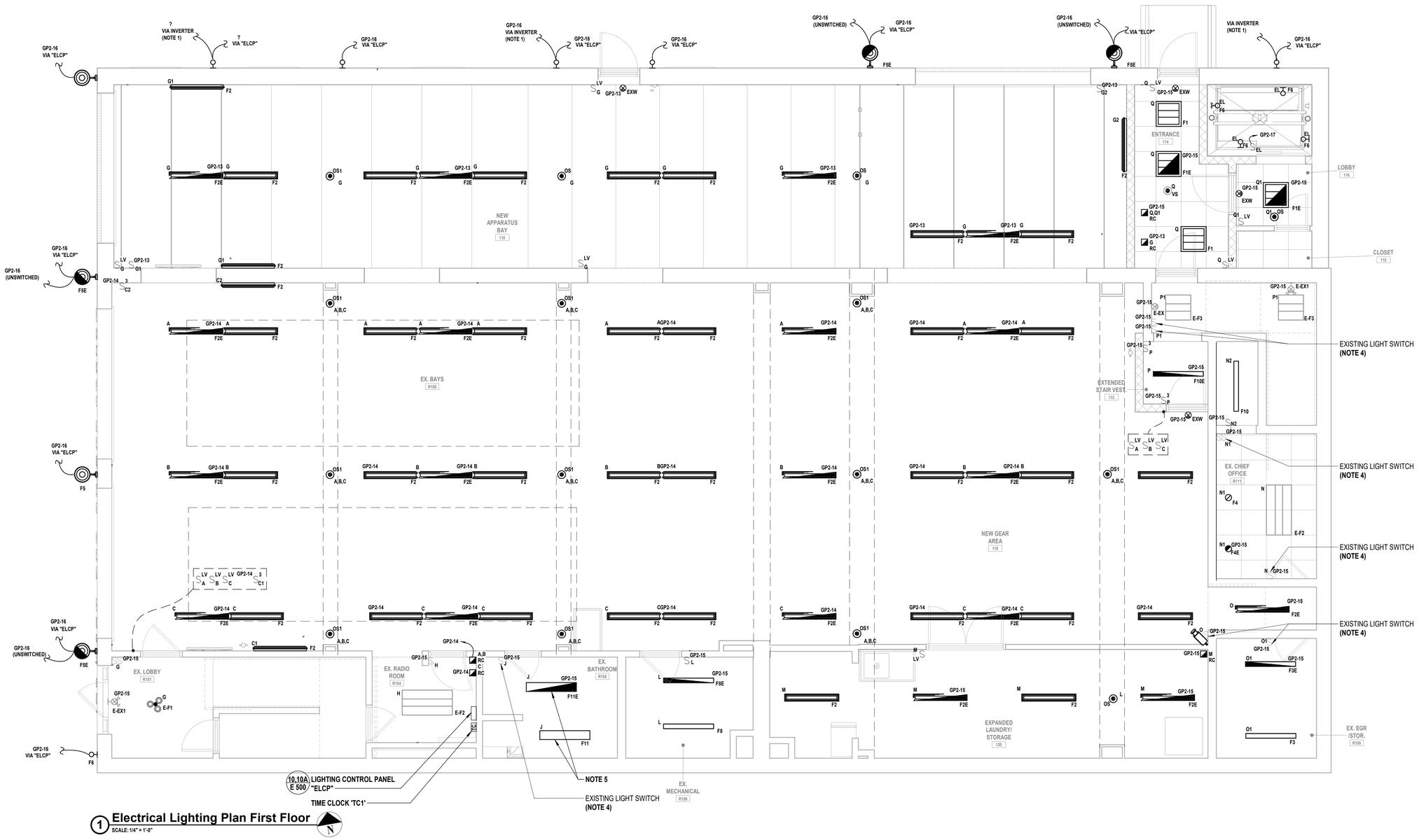

1 Electrical Lighting Plan First Floor

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

LIGHTING GENERAL NOTES:

G1. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTROLLERS AND/OR VACANCY/OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 OR 4 WAY SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES. WIRE SIZE SHALL EQUAL POWER FEED SIZE.

G2. CONTRACTORS SHALL LOCATE AND INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOMS TO PROVIDE CLEARANCE FROM ALL MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING FIXTURES, SWITCHES, CONDUIT, AND WIRING.

G3. FIXTURES INDICATED WITH CIRCUIT DESIGNATIONS SHALL BE CONNECTED TO LINE SIDE OF CIRCUIT.

G4. FIXTURES INDICATED WITH LETTER DESIGNATIONS SHALL BE CONNECTED TO THE SWITCH, OCCUPANCY SENSOR AND/OR POWER PACK WITH CORRESPONDING LETTER DESIGNATION.

G5. PROVIDE AND INSTALL A DEDICATED NEUTRAL FOR EACH CIRCUIT. CONTRACTOR IS NOT PERMITTED TO USE COMMON NEUTRALS.

G6. PROVIDE BOX AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATION FOR ALL SWITCHES, VACANCY/OCCUPANCY SENSORS, AND/OR ROOM CONTROLLER.

G7. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT/ENGINEER IN FIELD.

G8. ALL CEILING MOUNTED FIXTURES WITH EMERGENCY BALLASTS AND ALL FIXTURES THAT ARE PART OF AN EMERGENCY LIGHTING SYSTEM, FED FROM AN EMERGENCY GENERATOR OR CENTRAL BATTERY SYSTEM SHALL BE LABELED. THESE LABELS SHALL BE EASILY READ FROM THE FLOOR LEVEL AND STATE THAT THE FIXTURE IS AN EMERGENCY FIXTURE AND CONTAIN THE PANEL NAME AND CIRCUIT NUMBER THAT IT IS FED FROM.

G9. WIRING FOR EMERGENCY BALLAST IS NOT SHOWN ON PLANS. FIXTURES WITH EMERGENCY BALLASTS SHALL BE PROVIDED WITH AN UNSWITCHED POWER FEED FROM CIRCUIT FEEDING LIGHT FIXTURE.

G10. CONTRACTOR SHALL USE SILICONE WATER PROOF SEALANT TO SEAL TOP, LEFT, AND RIGHT EDGES OF LIGHT FIXTURES TO WALL TO PREVENT MOISTURE FROM ACCUMULATING BEHING FIXTURE. BOTTOM EDGE SHALL BE LEFT UNSEALED FOR DRAINAGE. COLOR OF SILICONE SHALL MATCH EITHER WALL COLOR OR FIXTURE COLOR. (TYP. OF ALL WALL MOUNTED FIXTURES INCLUDING INTERIOR, EXTERIOR, EXIT AND EMERGENCY LIGHTING).

ELECTRICAL KEY LIGHTING NOTES:

1. CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT AS REQUIRED TO TERMINATE AT NEW LIGHT FIXTURE, POWER PACK, CONTROLLER, AND SWITCH. WIRE AND CONDUIT SHALL BE SIZED IN ACCORDANCE WITH NEC. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. IN AREAS WITH DROP CEILINGS, INSTALL POWER PACK ABOVE CEILING. IN AREAS WITH GYPSUM BOARD / PLASTER CEILINGS INSTALL THE POWER PACK ABOVE THE CEILING AND PROVIDE AN ACCESS HATCH ADEQUATELY SIZED TO ALLOW FOR SERVICING / REPLACEMENT OF THE POWER PACK OR INSTALL POWER PACK ABOVE THE CEILING IN AN ADJACENT ROOM WITH A DROP CEILING.

2. FOR ALL EMERGENCY BALLASTS, CONTRACTOR SHALL PROVIDE AND INSTALL AN UNSWITCHED POWER FEED FROM THE LINE SIDE OF THE LIGHT SWITCH SERVING THE LIGHT FIXTURES IN THE ROOM WHERE THE NEW EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. UNSWITCHED FEED SHALL ORIGINATE FROM THE SAME CIRCUIT FEEDING LIGHT FIXTURES IN THE ROOM WHERE THE EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. NORMAL LIGHTING SHALL BE AS SHOWN. PROVIDE AND INSTALL WIRE AND CONDUIT AS REQUIRED. CONTRACTOR SHALL PATCH, REPAIR, RESTORE, PRIME, PAINT, AND REFINISH TO MATCH ORIGINAL APPERANCE OF ALL WALLS, CEILINGS, AND ALL BUILDING FINISHED THAT ARE DISTURBED DURING INSTALLATION OF THE UNSWITCHED POWER FEED.

3. CONTRACTOR SHALL PROVIDE AND INSTALL EMERGENCY BATTERY BACKUP INVERTER (DUAL-LITE MODEL #: LPS-32-S OR APPROVED EQUAL) MOUNTED INSIDE THE BUILDING ABOVE THE EXTERIOR DOOR OR IN ADJACENT CORRIDOR. PROVIDE REMOTE TEST BUTTON BELOW INVERTER. INVERTER AND WIRE BETWEEN INVERTER AND LIGHT FIXTURE IS NOT SHOWN FOR CLARITY PURPOSES. PROVIDE 2 #12 AWG + #12 AWG GND IN 3/4" E.C. BETWEEN INVERTER AND LIGHT FIXTURE.

4. CONTRACTOR SHALL PROVIDE AND EXTEND EXISTING LIGHTING CONTROL WIRING TO TERMINATE TO NEW LIGHT FIXTURE NOTED WITH SAME LETTER DESIGNATION.

5. CONTRACTOR SHALL PROVIDE AND INSTALL NEW LIGHT FIXTURES WITH MINIMAL DISTURBANCE TO EXISTING CEILING. PATCH, PRIME AND PATCH TO MATCH EXISTING.

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DJH	DJH		
PROJECT No: MKIV 1802	DATE: 12/13/2021	SCALE: AS SHOWN	

CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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GENERAL CONSTRUCTION

STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL LIGHTING PLAN FIRST FLOOR

DRAWING No.

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1 Electrical Lighting Plan Second Floor

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

LIGHTING GENERAL NOTES:

G1. PROVIDE ALL REQUIRED WIRING NECESSARY BETWEEN SWITCHES, CONTROLLERS AND/OR VACANCY/OCCUPANCY SENSORS FOR COMPLETE LIGHTING CONTROL. WHERE 3 OR 4 WAY SWITCHES ARE USED, PROVIDE ALL REQUIRED WIRING BETWEEN SWITCHES. WIRE SIZE SHALL EQUAL POWER FEED SIZE.

G2. CONTRACTORS SHALL LOCATE AND INSTALL ALL LIGHT FIXTURES IN MECHANICAL ROOMS TO PROVIDE CLEARANCE FROM ALL MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLING FIXTURES, SWITCHES, CONDUIT, AND WIRING.

G3. FIXTURES INDICATED WITH CIRCUIT DESIGNATIONS SHALL BE CONNECTED TO LINE SIDE OF CIRCUIT.

G4. FIXTURES INDICATED WITH LETTER DESIGNATIONS SHALL BE CONNECTED TO THE SWITCH, OCCUPANCY SENSOR AND/OR POWER PACK WITH CORRESPONDING LETTER DESIGNATION.

G5. PROVIDE AND INSTALL A DEDICATED NEUTRAL FOR EACH CIRCUIT. CONTRACTOR IS NOT PERMITTED TO USE COMMON NEUTRALS.

G6. PROVIDE BOX AND ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATION FOR ALL SWITCHES, VACANCY/OCCUPANCY SENSORS, AND/OR ROOM CONTROLLER.

G7. VERIFY EXACT LOCATIONS AND MOUNTING HEIGHTS WITH ARCHITECT/ENGINEER IN FIELD.

G8. ALL CEILING MOUNTED FIXTURES WITH EMERGENCY BALLASTS AND ALL FIXTURES THAT ARE PART OF AN EMERGENCY LIGHTING SYSTEM, FED FROM AN EMERGENCY GENERATOR OR CENTRAL BATTERY SYSTEM SHALL BE LABELED. THESE LABELS SHALL BE EASILY READ FROM THE FLOOR LEVEL AND STATE THAT THE FIXTURE IS AN EMERGENCY FIXTURE AND CONTAIN THE PANEL NAME AND CIRCUIT NUMBER THAT IT IS FED FROM.

G9. WIRING FOR EMERGENCY BALLAST IS NOT SHOWN ON PLANS. FIXTURES WITH EMERGENCY BALLASTS SHALL BE PROVIDED WITH AN UNSWITCHED POWER FEED FROM CIRCUIT FEEDING LIGHT FIXTURE.

G10. CONTRACTOR SHALL USE SILICONE WATER PROOF SEALANT TO SEAL TOP, LEFT, AND RIGHT EDGES OF LIGHT FIXTURES TO WALL TO PREVENT MOISTURE FROM ACCUMULATING BEHING FIXTURE. BOTTOM EDGE SHALL BE LEFT UNSEALED FOR DRAINAGE. COLOR OF SILICONE SHALL MATCH EITHER WALL COLOR OR FIXTURE COLOR. (TYP. OF ALL WALL MOUNTED FIXTURES INCLUDING INTERIOR, EXTERIOR, EXIT AND EMERGENCY LIGHTING).

ELECTRICAL KEY NOTES:

1. CONTRACTOR SHALL PROVIDE AND EXTEND WIRE AND CONDUIT AS REQUIRED TO TERMINATE AT NEW LIGHT FIXTURE, ROOM CONTROLLER, AND SWITCH. WIRE AND CONDUIT SHALL BE SIZED IN ACCORDANCE WITH NEC. CONTRACTOR SHALL PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. IN AREAS WITH DROP CEILINGS, INSTALL ROOM CONTROLLER ABOVE CEILING. IN AREAS WITH GYPSUM BOARD / PLASTER CEILINGS INSTALL THE ROOM CONTROLLER(S) ABOVE THE CEILING AND PROVIDE AN ACCESS HATCH ADEQUATELY SIZED TO ALLOW FOR SERVICING / REPLACEMENT OF THE ROOM CONTROLLER(S) OR INSTALL ROOM CONTROLLER(S) ABOVE THE CEILING IN AN ADJACENT ROOM WITH A DROP CEILING.

2. FOR ALL EMERGENCY BALLASTS, CONTRACTOR SHALL PROVIDE AND INSTALL AN UNSWITCHED POWER FEED FROM THE LINE SIDE OF THE LIGHT SWITCH SERVING THE LIGHT FIXTURES IN THE ROOM WHERE THE NEW EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. UNSWITCHED FEED SHALL ORIGINATE FROM THE SAME CIRCUIT FEEDING LIGHT FIXTURES IN THE ROOM WHERE THE EMERGENCY LIGHT FIXTURE IS SCHEDULED TO BE INSTALLED. NORMAL LIGHTING SHALL BE AS SHOWN. PROVIDE AND INSTALL WIRE AND CONDUIT AS REQUIRED. CONTRACTOR SHALL PATCH, REPAIR, RESTORE, PRIME, PAINT, AND REFINISH TO MATCH ORIGINAL APPERANCE OF ALL WALLS, CEILINGS, AND ALL BUILDING FINISHED THAT ARE DISTURBED DURING INSTALLATION OF THE UNSWITCHED POWER FEED.

3. CONTRACTOR SHALL PROVIDE 'HH6-6501' TRIM FOR WET LOCATION USE FOR LIGHT FIXTURE.

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VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT

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STATUS

CONSTRUCTION DOCUMENTS

SHEET TITLE

ELECTRICAL LIGHTING PLAN SECOND FLOOR

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E 122

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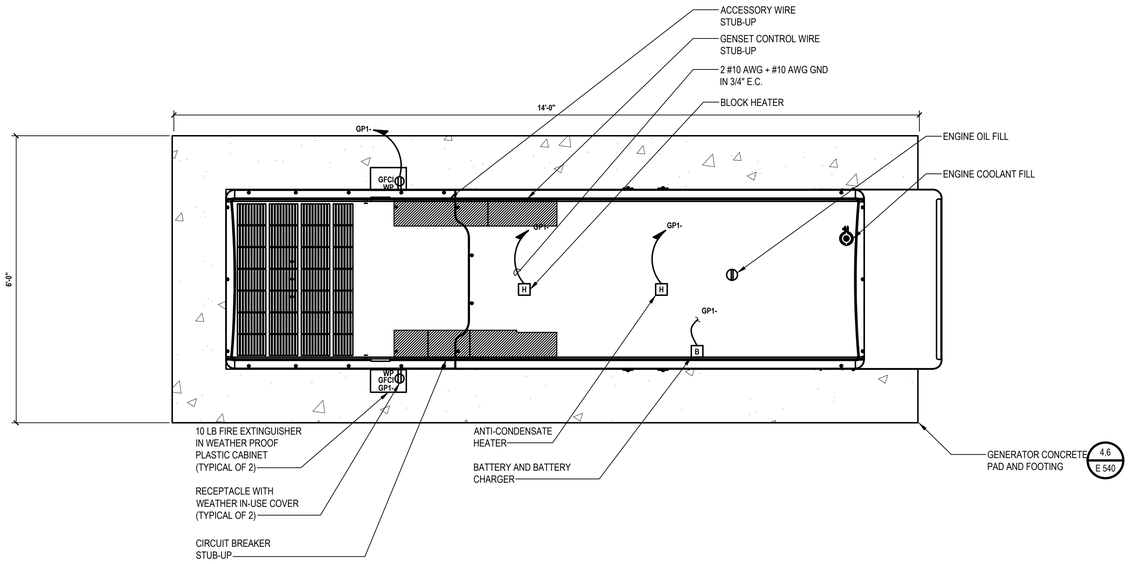
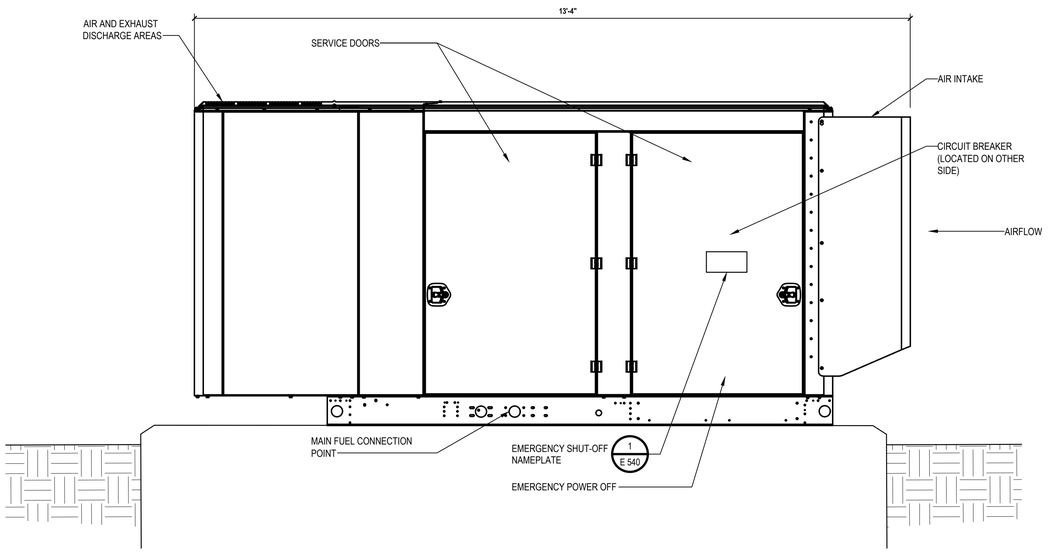
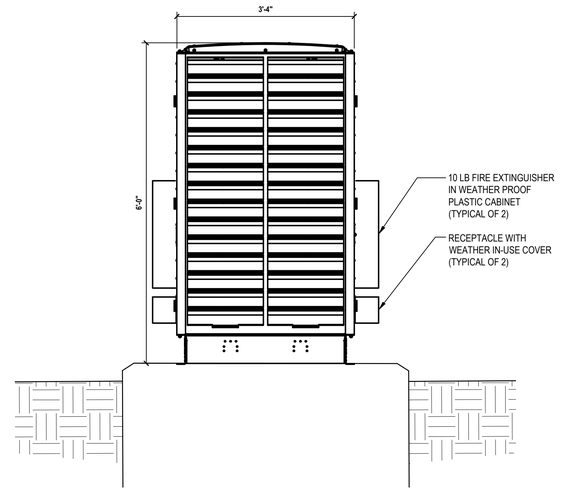


1 Generator Layout Plan
SCALE:3/4"=1'-0"



2 Generator Elevation Plan
SCALE:3/4"=1'-0"



3 Generator Elevation Plan
SCALE:3/4"=1'-0"

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ELECTRICAL GENERATOR PLAN

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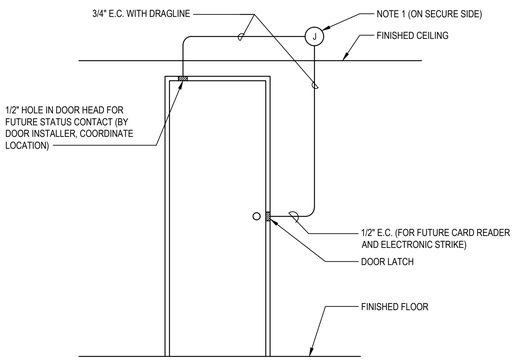
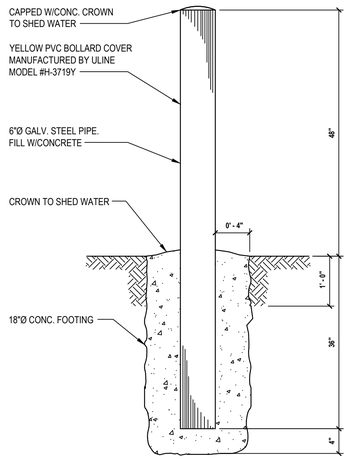


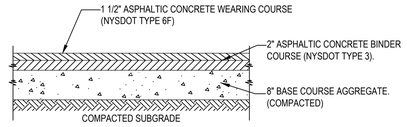
1 Security System Conduit Detail (Single Door) (NOTE 2)
SCALE:N.T.S.

NOTES:

1. CONTRACTOR SHALL INSTALL JUNCTION BOX ON SECURE SIDE OF DOOR ABOVE FINISHED CEILING. IF THERE IS NO FINISHED CEILING IN THE ROOM, 10'-0". COORDINATE INSTALLATION AND EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT/ENGINEER IN FIELD.
2. ALL DOOR ACCESS CONTROL EQUIPMENT SHALL BE INSTALLED BY OTHERS AT A FUTURE DATE.



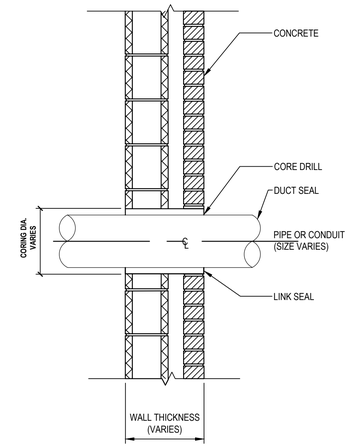
2 Bollard Detail
SCALE:N.T.S.



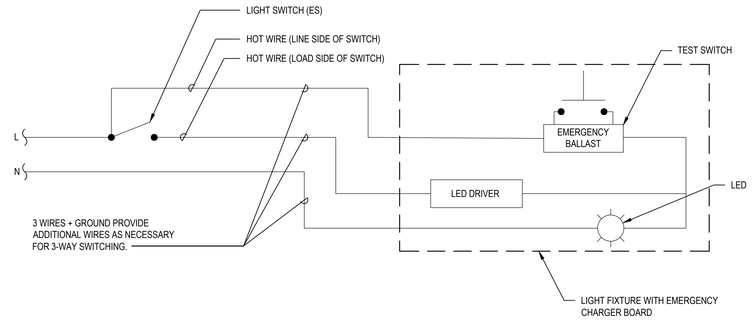
3 New Pavement Section
SCALE:N.T.S.

NOTES:

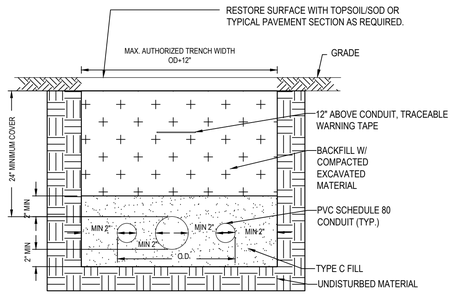
1. ALL TRENCHES IN ASPHALT SHALL BE FULL DEPTH SAWCUT. EDGES SHALL BE SEALED WITH HOT ASPHALT.



4 Typical Penetration Through Concrete Wall
SCALE:N.T.S.



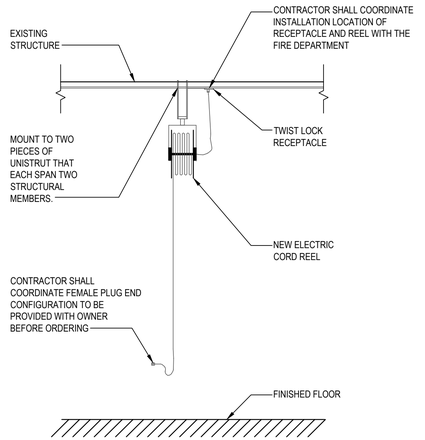
5 Typical Detail of Light Fixture with Emergency Ballast
SCALE:N.T.S.



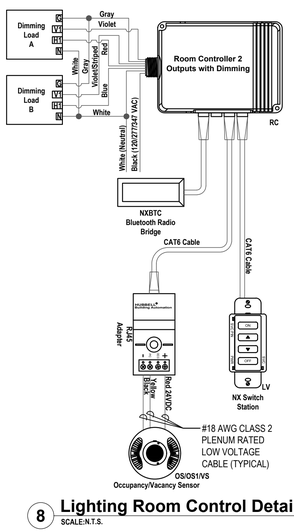
6 Typical Conduit Trench Detail
SCALE:N.T.S.

NOTES:

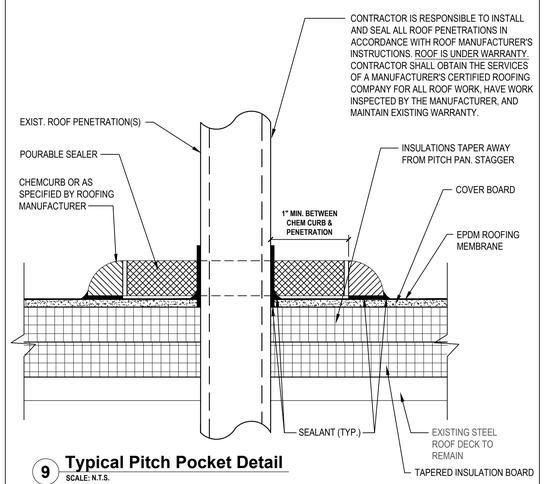
1. MINIMIZE ALL TRENCH WIDTHS IN ORDER TO AVOID EXCESSIVE DISTURBANCE OF ADJACENT AREAS. TRENCH WALLS SHALL BE VERTICAL. USE SHEET PILING OR A SHEETING BOX TO MAINTAIN THE SPECIFIED TRENCH.



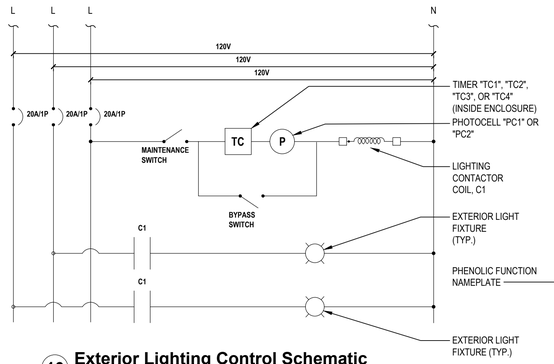
7 Charge Reel Receptacle Detail
N.T.S.



8 Lighting Room Control Detail
SCALE:N.T.S.

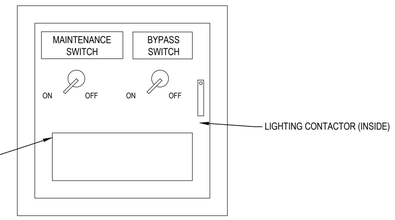


9 Typical Pitch Pocket Detail
SCALE: N.T.S.



10 Exterior Lighting Control Schematic
SCALE:NTS

1. PROVIDE AND INSTALL NEW LIGHTING CONTROLS, CONTROL WIRING, RELAYS, CONTACTORS, AND SENSORS. INSTALL CONTROLS AND CONTACTORS IN NEW NEMA 1 HINGED DOOR ENCLOSURE. PROVIDE LOCKABLE HANDLE.
2. FUNCTION NAMEPLATE DESCRIPTION:
   MAINTENANCE SWITCH - TURN TO "ON" POSITION FOR NORMAL OPERATION. TURN TO OFF POSITION TO PREVENT LIGHTS FROM TURNING ON
   BYPASS SWITCH - TURN TO "OFF" POSITION FOR NORMAL OPERATION. TURN TO "ON" POSITION TO TURN ON LIGHT FIXTURES. (MAINTENANCE SWITCH MUST BE IN "ON" POSITION).
3. PROVIDE 120 VOLT CONTROL POWER FROM NEAREST PANEL, AS REQUIRED.



10A Exterior Lighting Control Panel "ELCP1", "ELCP2", "ELCP3", or "ELCP4"
SCALE:N.T.S.

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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
DJH	DJH		

PROJECT No:	DATE:	SCALE:
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CLIENT

VILLAGE OF MOUNT KISCO

ADDITIONS AND ALTERATIONS TO MUTUAL STATION

99 MAIN STREET, MOUNT KISKO, NY 10549

CONTRACT
CONTRACT G
GENERAL CONSTRUCTION

STATUS
CONSTRUCTION DOCUMENTS

SHEET TITLE
ELECTRICAL DETAILS

DRAWING No.
E 500

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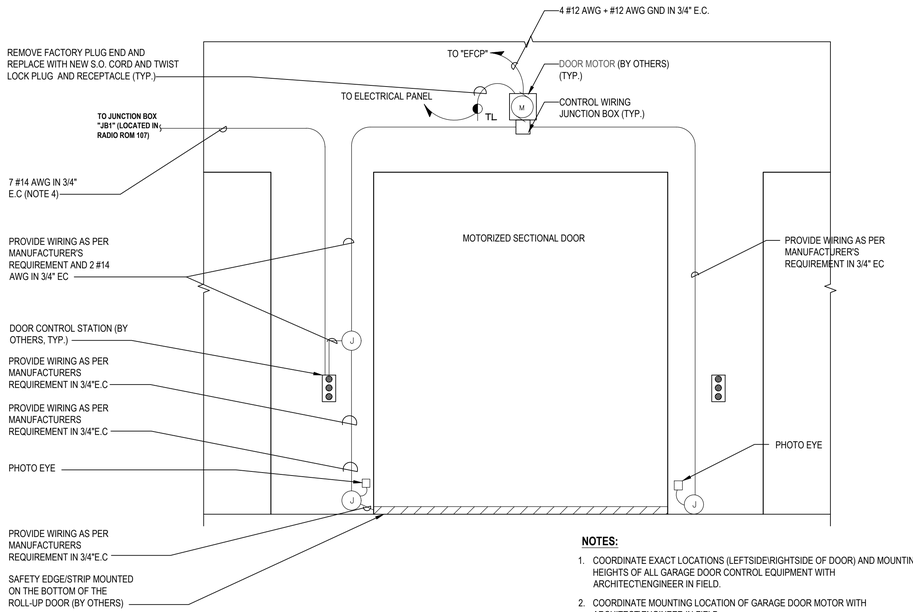

1 Garage Door Control-Elevation Plan

SCALE: NTS

NOTES:

1. COORDINATE EXACT LOCATIONS (LEFTSIDE\RIGHTSIDE OF DOOR) AND MOUNTING HEIGHTS OF ALL GARAGE DOOR CONTROL EQUIPMENT WITH ARCHITECT\ENGINEER IN FIELD.
2. COORDINATE MOUNTING LOCATION OF GARAGE DOOR MOTOR WITH ARCHITECT\ENGINEER IN FIELD.
3. ALL INSTALLATIONS, WIRING AND CONDUIT ARE BY CONTRACT "E".
4. CONTRACTOR SHALL PROVIDE AND INSTALL EACH CONDUCTOR WITH DISTINCT COLOR.

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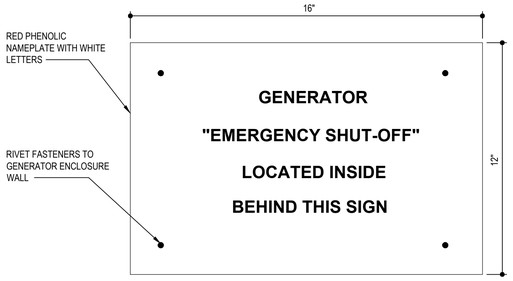
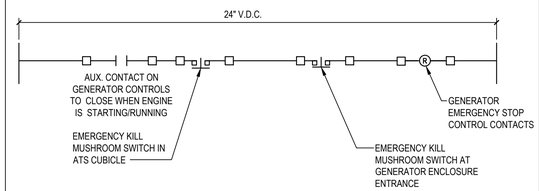
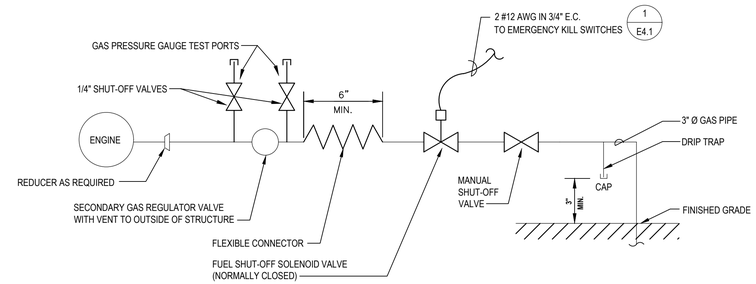


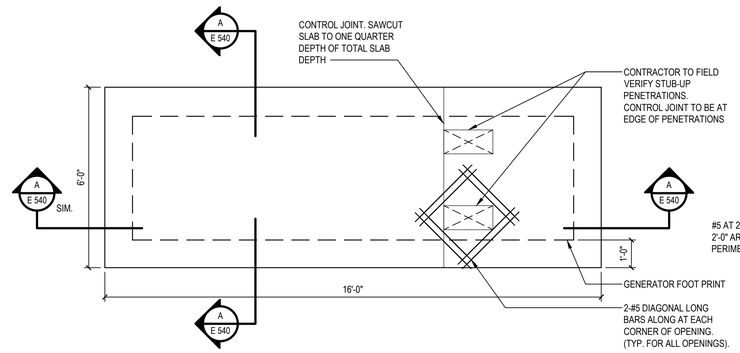
1 Emergency Shut-Off Name Plate
SCALE:N.T.S.



2 Generator Emergency Shutoff Control Circuit
SCALE:N.T.S.



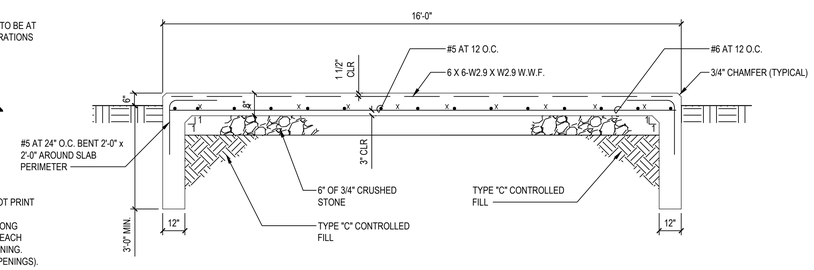
3 Fuel Supply Schematic
SCALE:N.T.S.



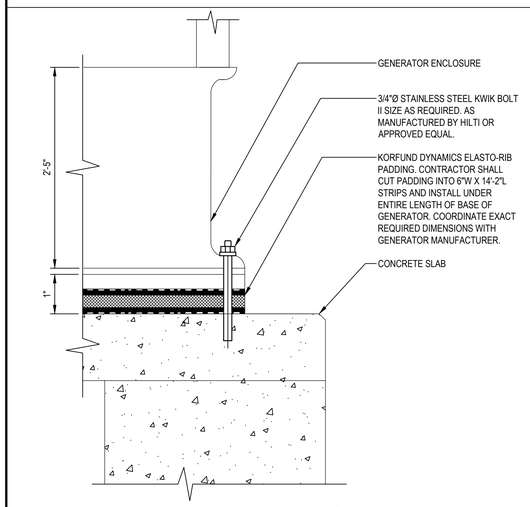
4 Generator Pad Plan
SCALE:N.T.S.

NOTE:

1. PAD DIMENSION BASED ON SPECIFIED EQUIPMENT. 1'-0" MIN ALL AROUND



Section A-A
SCALE:N.T.S.



6 Generator Enclosure Anchoring Detail
SCALE:N.T.S.

5 No Smoking Sign Detail
SCALE:N.T.S.

NOTE:

1. "NO SMOKING" SIGNS SHALL BE PLACED CONSPICUOUSLY AT ALL ENTRANCES TO PREMISES.

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LIGHTING FIXTURE SCHEDULE

DESIGNATION	SYMBOL	MANUFACTURER	MODEL NUMBER	TYPE	WATTS	COLOR TEMP	VOLT	LUMENS	MOUNTING	REMARKS	MOUNTING HEIGHT	DETAIL
F1		COLUMBIA LIGHTING	LCAT22-40MWG-G-EDU	LED	22	4000K	UNV	3380	RECESSED	-	CEILING	-
F1E		COLUMBIA LIGHTING	LCAT22-40MW-G-EDU-ELL14	LED	22	4000K	UNV	3380	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F2		COLUMBIA LIGHTING	LXEM4-40ML-RA-EDU	LED	42	4000K	UNV	5168	SURFACE	-	CEILING	-
F2E		COLUMBIA LIGHTING	LXEM4-40ML-RA-EDU-ELL14	LED	42	4000K	UNV	5168	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F3		MERCURY LIGHTING	LW4-4-3800-40K-HTA-A40-UNI+SR	LED	39	4000K	UNV	3671	SURFACE	-	CEILING	-
F3E		MERCURY LIGHTING	LW4-4-3800-40K-HTA-A40-UNI+SR+EM12	LED	39	4000K	UNV	3671	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F4		LITEFRAMEHH6IC	LED-900L-DIM10-120-WD-40K-90-CL-WH	LED	12	4000K	UNV	900	RECESSED	-	CEILING	-
F5		HUBBELL	UCS-BEL/VSL-BEL-12LED-NW-DB-WCV	LED	70	4000K	UNV	7920	SURFACE	-	8'-0" AFG, UON	-
F5E		HUBBELL	UCS-BEL/VSL-BEL-12LED-NW- DB-WCV	LED	70	4000K	UNV	7920	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	8'-0" AFG, UON	5 / E 500
F6		HUBBELL	VWGL-1	LED	11	4000K	UNV		SURFACE	-		-
F7E		HUBBELL	TRP2-24L-70-4K8-3-UNV-BLT-PC-EH	LED	70	4000K	UNV	7920	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	8'-0" AFF, UON	5 / E 500
F8		MERCURY LIGHTING	LW4-4-3800-40K-HTA-A40-UNI+SR	LED	39	4000K	UNV	3671	PENDANT	-	8'-0" AFF	-
F8E		MERCURY LIGHTING	LW4-4-3800-40K-HTA-A40-UNI+SR+EM12	LED	39	4000K	UNV	3671	PENDANT	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	8'-0" AFF	5 / E 500
F9		COLUMBIA LIGHTING	LCAT22-40LWG-G-EDU	LED	22	4000K	UNV	3380	RECESSED	-	CEILING	-
F9E		COLUMBIA LIGHTING	LCAT22-40LW-G-EDU-ELL14	LED	22	4000K	UNV	2811	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F10		MERCURY LIGHTING	LW4-4-2100-40K-HTA-A40-UNI+SR	LED	18	4000K	UNV	2036	SURFACE	-	CEILING	-
F10E		MERCURY LIGHTING	LW4-4-2100-40K-HTA-A40-UNI+SR+EM12	LED	18	4000K	UNV	2036	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F11		LITECONTROL	6L-S-D-4-04-BAT-C1-40K-D055-D01-1C-UNV	LED	19	4000K	UNV	2200	SURFACE	-	CEILING	-
F11E		LITECONTROL	6L-S-D-4-04-BAT-C1-40K-D055-D01-1C-UNV-EF	LED	19	4000K	UNV	2200	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
F12		COLUMBIA LIGHTING	LCAT22-40VWG-G-EDU	LED	24	4000K	UNV	3339	RECESSED	-	CEILING	-
F12E		COLUMBIA LIGHTING	LCAT22-40VWG-G-EDU-ELL14	LED	24	4000K	UNV	3339	RECESSED	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
E-F1		GREEN CREATIVE	15A21DIM/840	LED	15	4000K	120V-277V	1700	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F2		GREEN CREATIVE	15A21DIM/840	LED	15	4000K	120V-277V	1700	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F3		GREEN CREATIVE	8T8/2F/840/DIR/RC	LED	8	4000K	120V-277V	1300	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F4		GREEN CREATIVE	10.5T8/4F/840/DIR/RD	LED	10	4000K	120V-277V	1700	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
E-F5		GREEN CREATIVE	43T8/8F/840/DEB/-	LED	43	4000K	120V-277V	5500	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION. REPLACE '-' WITH PIN CONNECTION. COORDINATE PIN CONNECTION WITH EXISTING FIXTURE.	EXISTING	-
E-F6		GREEN CREATIVE	15A21DIM/840	LED	15	4000K	120V-277V	1700	LAMP	PROVIDE ALL DRIVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION.	EXISTING	-
EXW		COMPASS	APX6G	LED	2	-	UNV	-	SURFACE	NOTE LF1, EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	1'-0" ABOVE DOOR	5 / E 500
EXC		COMPASS	APX6G	LED	2	-	UNV	-	SURFACE	NOTE LF1, EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	CEILING	5 / E 500
EM		DUAL LITE	EV2	LED	1	-	UNV	-	SURFACE	EMERGENCY BATTERY BACKUP WITH 90 MINUTES OF BACK-UP CAPACITY	8'-0" AFF	5 / E 500

DISCONNECT SWITCH SCHEDULE

DISCONNECT SWITCH IDENTIFICATION	TYPE	ENCLOSURE	VOLTS	POLES	FRAME SIZE AMPS	FUSE RATING
DS1 (NOTES S1, S2)	FUSED	NEMA 3R	240	3	200 A	150 A
DS2 (NOTE S3)	FUSED	NEMA 3R	240	1	30 A	20 A

DISCONNECT SWITCH SCHEDULE NOTES:

S1. CONTRACTOR SHALL PROVIDE AND INSTALL COOPER BUSSMAN DISCONNECT SWITCH OR APPROVED EQUAL. REFER TO SPECIFICATION 262816 FOR ADDITIONAL INFORMATION.

S2. COORDINATE EXACT FUSE SIZE WITH ELEVATOR INSTALLER.

S3. DISCONNECT SWITCH SHALL BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION PER NEC REQUIREMENTS.

MOTOR STARTER SCHEDULE

IDENTIFICATION	NEMA SIZE	VOLTS / PHASE	ENCLOSURE TYPE	DISCONNECT AMPS / POLE	ACCESSORIES
S1	0	120 / 1Ø	NEMA 1	20 / 1	H-O-A SWITCH, RUN AND OVERLOAD LIGHT

LIGHTING CONTROL SCHEDULE

DESIGNATION	SYMBOL	MANUFACTURER	MODEL NUMBER	VOLT	MOUNTING	REMARKS	MOUNTING HEIGHT	DETAIL
LV	S	HUBBELL	NXSW-ORLO-WH	24VDC	RECESSED	WALL MOUNTED LOW VOLTAGE	AFC	9 / E 500
OS	S	HUBBELL	LHMTS-1-G-WH	24VDC	RECESSED	WALL MOUNTED OCCUPANCY SENSOR	-	-
RC	RC	HUBBELL	NXRCFX-2RD-UNV	UNV	SURFACE	ROOM CONTROLLER	AFC, UON	9 / E 500
OS	⊙	HUBBELL	OMNI-DT-2000	24VDC	SURFACE	CEILING MOUNTED OCCUPANCY SENSOR	CEILING, UON	9 / E 500
OS1	⊙	HUBBELL	WSP-SF-24V LENS: WSP-L360-WH	24VDC	SURFACE	HI-BAY CEILING MOUNTED OCCUPANCY SENSOR	CEILING, UON	9 / E 500
PC	PC	INTERMATIC	K4121C	UNV	K42-SW-A (SURFACE)	SWIVEL MOUNT AND 25 AMP RATED PHOTOCELL	20'-0" AFG	-
TC	TC	TORK	1100	UNV	SURFACE	TIME CLOCK	IN "ELCP"	10 / E 500

LIGHT FIXTURE SCHEDULE NOTE:

LF1. SHADED AREA SHOWN ON DRAWINGS IS TO SHOW THE EXIT SIGN FACE.

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Latham, NY 12110
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CONSULTANTS:

MARK	DATE	DESCRIPTION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
DJH	DJH		

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99 MAIN STREET, MOUNT KISKO, NY 10549

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Name

Panelboard: MDP | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 600 A MCB | Mains Rating: 600 A
Panel Type: P2 | Mounting: SURFACE | Options: | Notes:
NEMA Type Enclosure 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
				1	13376 VA			5520 VA			2				
GP1		225 A	3	3		13254 VA			5520 VA		4	3	50 A	HACR	RTU-1
				5			8970 VA			5520 VA	6				
GP2		20 A	3	7	5342 VA			4200 VA			8				
				9		4323 VA			4200 VA		10	3	45 A	HACR	RTU-2
				11			3382 VA			4200 VA	12				
GP3		150 A	3	13	6410 VA			3480 VA			14				
				15		4060 VA			3480 VA		16	3	40 A	HACR	RTU-3
				17			4680 VA			3480 VA	18				
				19	7600 VA			0 VA			20	--	--	--	SPACE
GP4		20 A	3	21		9452 VA			0 VA		22	--	--	--	SPACE
				23			9377 VA			0 VA	24	--	--	--	SPACE
SPACE	--	--	--	25	0 VA			0 VA			26	--	--	--	SPACE
SPACE	--	--	--	27		0 VA			0 VA		28	--	--	--	SPACE
SPACE	--	--	--	29			0 VA			0 VA	30	--	--	--	SPACE
SPACE	--	--	--	31	0 VA			0 VA			32	--	--	--	SPACE
SPACE	--	--	--	33		0 VA			0 VA		34	--	--	--	SPACE
SPACE	--	--	--	35			0 VA			0 VA	36	--	--	--	SPACE
SPACE	--	--	--	37	0 VA			0 VA			38	--	--	--	SPACE
SPACE	--	--	--	39		0 VA			0 VA		40	--	--	--	SPACE
SPACE	--	--	--	41			0 VA			0 VA	42	--	--	--	SPACE
SPACE	--	--	--	43	0 VA			0 VA			44	--	--	--	SPACE
SPACE	--	--	--	45		0 VA			0 VA		46	--	--	--	SPACE
				47			11408 VA			0 VA	48	--	--	--	SPACE
ELEVATOR MOTOR DISCONNECT		150 A	3	49	11408 VA			0 VA			50	--	--	--	SPACE
				51		11408 VA			0 VA		52	--	--	--	SPACE
ELEVATOR CAB DISCONNECT		20 A	1	53			180 VA			0 VA	54	--	--	--	SPACE

Connected Totals: A 59.7 kVA; B 56.7 kVA; C 51.2 kVA
Total: 167.6 kVA
Amps: 465 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option

AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
TC - Time Clock Control

Name

Panelboard: GP1 | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 225 A MCB | Mains Rating: 225 A
Panel Type: P2 | Mounting: SURFACE | Options: | Notes:
NEMA Type Enclosure 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
SERVER RACK RECEPT.		20 A	1	1	720 VA			1000 VA			2	1	20 A		SHORE POWER
SHORE POWER		20 A	1	3		1000 VA			180 VA		4	1	20 A		EXTRACTOR RECEPT.
EXISTING AIR CLEANER		20 A	2	5			780 VA			780 VA	6	2	20 A		EXISTING AIR CLEANER
				7	780 VA			780 VA			8				
EXISTING DRYER RECEPT.		20 A	2	9		90 VA			180 VA		10	1	20 A		EXISTING WASHING MACHINE...
				11			90 VA			1080 VA	12	2	20 A		EXISTING GEAR DRYER RECEPT.
AS-1		20 A	1	13	780 VA			1080 VA			14				
HWUH-1		20 A	1	15		1920 VA			1920 VA		16	1	20 A		HWUH-1
HWUH-1		20 A	1	17			1920 VA			1920 VA	18	1	20 A		HWUH-1
HWUH-1		20 A	1	19	1920 VA			696 VA			20	1	20 A		Other
EF-4		20 A	1	21		1656 VA			500 VA		22	1	20 A		CP-1
				23			1000 VA			500 VA	24	1	20 A		EXISTING EXHAUST FAN
ECH-1		20 A	3	25	1000 VA			100 VA			26	1	20 A		Other
				27		1000 VA			1260 VA		28	1	20 A		EP-1 RECEPT.
Other		20 A	1	29			360 VA			180 VA	30	1	20 A		EXISTING AIR COMPRESSOR
SHORE POWER		20 A	1	31	1000 VA			1000 VA			32	1	20 A		SHORE POWER
EXISTING DOOR MOTOR		20 A	1	33		1000 VA			1000 VA		34	1	20 A		EXISTING DOOR MOTOR
				35						180 VA	36	1	20 A		SHAFT RECEPTACLE
Other		20 A	1	37	360 VA			2160 VA			38	1	20 A		EXISTING BOILER
EXISTING BOILER STOP		20 A	1	39		180 VA			1368 VA		40	1	20 A		EXISTING BOILER PUMPS
Other		20 A	1	41			180 VA				42				

Connected Totals: A 13.4 kVA; B 13.3 kVA; C 9.0 kVA
Total: 35.6 kVA
Amps 99 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option

AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
TC - Time Clock Control

Name

Panelboard: GP2 | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 150 A MCB | Mains Rating: 150 A
Panel Type: P2 | Mounting: SURFACE | Options: | Notes:
NEMA Type Enclosure 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
APPARTUS BAY 118 RECEPT.		20 A	1	1	1620 VA			360 VA			2	1	20 A		TV RECEPT.
LOBBY RECEPT.		20 A	1	3		540 VA			1080 VA		4	1	20 A		RADIO RM RECEPT.
APPARTUS BAY R108 RECEPT.		20 A	1	5			1800 VA			360 VA	6	1	20 A		1ST FLR BTHRM RECEPT.
MECH RM RECEPT.		20 A	1	7	360 VA			900 VA			8	1	20 A		LAUNDRY RM RECEPT.
CORRIDOR RECEPT.		20 A	1	9		1080 VA			540 VA		10	1	20 A		EXISTING CHIEFS RECEPT.
1ST FLR BTHRM HAND DRYER		20 A	1	11			1000 VA			180 VA	12	1	20 A		ELEVATOR PIT RECEPT.
NEW APPARTUS BAY LTG		20 A	1	13	548 VA			1554 VA			14	1	20 A		EXISTING APPARTUS BAY LTG
FIRST FLOOR BACK AREA LTG		20 A	1	15		839 VA			245 VA		16	1	20 A		EXTERIOR LTG.
ELEVATOR PIT LTG.		20 A	1	17			44 VA			0 VA	18	1	20 A	--	SPARE
SPARE	--	20 A	1	19	0 VA			0 VA			20	1	20 A	--	SPARE
SPARE	--	20 A	1	21		0 VA			0 VA		22	1	20 A	--	SPARE
SPARE	--	20 A	1	23			0 VA			0 VA	24	1	20 A	--	SPARE
SPARE	--	20 A	1	25	0 VA			0 VA			26	--	--	--	SPACE
SPACE	--	--	--	27		0 VA			0 VA		28	--	--	--	SPACE
SPACE	--	--	--	29			0 VA			0 VA	30	--	--	--	SPACE
SPACE	--	--	--	31	0 VA			0 VA			32	--	--	--	SPACE
SPACE	--	--	--	33		0 VA			0 VA		34	--	--	--	SPACE
SPACE	--	--	--	35			0 VA			0 VA	36	--	--	--	SPACE
SPACE	--	--	--	37	0 VA			0 VA			38	--	--	--	SPACE
SPACE	--	--	--	39		0 VA			0 VA		40	--	--	--	SPACE
SPACE	--	--	--	41			0 VA			0 VA	42	--	--	--	SPACE

Connected Totals: A 5.3 kVA; B 4.3 kVA; C 3.4 kVA
Total: 13.0 kVA
Amps 36 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option

AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
TC - Time Clock Control

Name

Panelboard: GP3 | Voltage: 208Y/120 | Phase: 3 | Wire 4 | A.I.C. Rating: 42,000
Manufacturer: SIEMENS | Mains: 150A MCB | Mains Rating: 150 A
Panel Type: P2 | Mounting: SURFACE | Options: | Notes:
NEMA Type Enclosure 1

Load Description	Breaker Option	Trip	Poles	Circ No.	A	B	C	A	B	C	Circ No.	Poles	Trip	Breaker Option	Load Description
2ND FLR STORAGE RECEPT.		20 A	1	1	540 VA			1260 VA			2	1	20 A		2ND FLR RECEPT.
Other		20 A	1	3		720 VA			900 VA		4	1	20 A		STORAGE R208 RECEPT.
TRAINING ROOF RECEPT.		20 A	1	5			540 VA			900 VA	6	1	20 A		TRAINING RM RECEPT.
WOMENS TOILET HAND DRYER		20 A	1	7	1000 VA			360 VA			8	1	20 A		WOMENS TOILET RECEPT.
EXISTING MEETING RM RECEPT.		20 A	1	9		540 VA			180 VA		10	1	20 A		EXISTING PROJECTOR RECEPT.
EXISTING MEMBERS RM RECEPT.		20 A	1	11			1080 VA			1080 VA	12	1	20 A		EXISTING MEMBERS RM BAR...
Power		20 A	1	13	1000 VA			360 VA			14	1	20 A		MENS TOILET RECEPT.
2ND FLR CORRIDOR RECEPT.		20 A	1	15		540 VA			180 VA		16	1	20 A		PROJECTOR RECEPT.
WATER FOUNTAIN RECEPT.		20 A	1	17			360 VA			720 VA	18	1	20 A		ELEVATOR LOBBY RECEPT.
SECOND FLOOR LTG		20 A	1	19	1617 VA			280 VA			20	1	20 A		TRAINING ROOF LTG.
EXISTING TROPHY CASE LTG.		20 A	1	21		1000 VA			0 VA		22	--	--	--	SPACE
SPACE	--	--	--	23			0 VA			0 VA	24	--	--	--	SPACE
SPACE	--	--	--	25	0 VA			0 VA			26	--	--	--	SPACE
SPACE	--	--	--	27		0 VA			0 VA		28	--	--	--	SPACE
SPACE	--	--	--	29			0 VA			0 VA	30	--	--	--	SPACE

Connected Totals: A 6.4 kVA; B 4.1 kVA; C 4.7 kVA
Total: 15.1 kVA
Amps: 42 A

(All Phases to be balanced to within 7% Actual Load Totals)

Breaker Option

AS - Powerlink AS Breaker
LO - Handle Lock-off Device
ST - Shunt Trip Type
AUX - Auxillary Contacts
PA - Handle Padlock Attchment
GFCI - Ground Fault Circuit Interrupter
HACR - Heating, A/C & Refrigeration
SF - Subfeed
TC - Time Clock Control

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PROJECT No: MKIV 1802 | DATE: 12/13/2021 | SCALE: AS SHOWN

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SHEET TITLE

ELECTRICAL PANEL SCHEDULES

DRAWING No.

E 601

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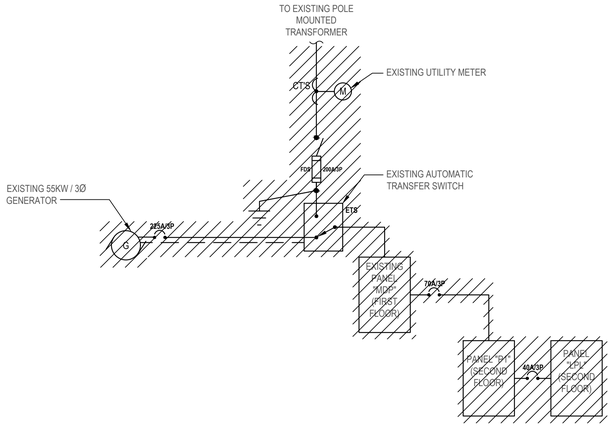
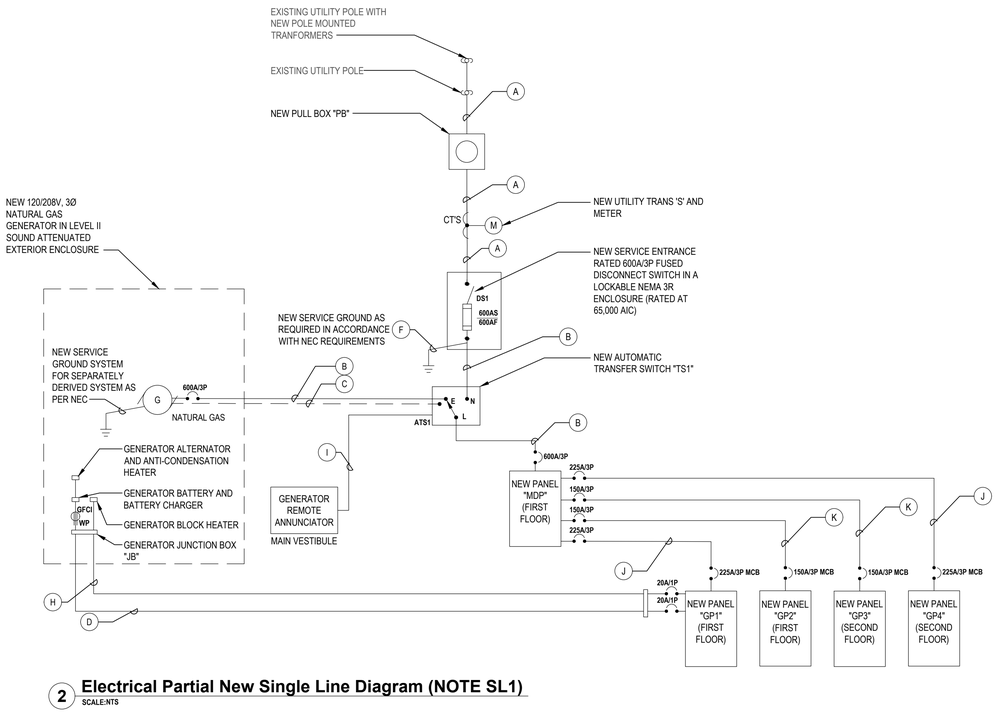


1 Electrical Partial Existing Single Line Diagram (NOTE SL1)

SCALE:NTS



2 Electrical Partial New Single Line Diagram (NOTE SL1)

SCALE:NTS

TRANSFER SWITCH SCHEDULE

TRANSFER SWITCH IDENTIFICATION	TYPE	ENCLOSURE	VOLTS	PHASE	POLES	AMPS
ATS1	AUTOMATIC	NEMA 3R	208	3Ø	4	600A

DISCONNECT SWITCH SCHEDULE

DISCONNECT SWITCH IDENTIFICATION	TYPE	ENCLOSURE	VOLTS	POLES	FRAME SIZE AMPS	FUSE RATING
DS1	FUSED	NEMA 1	240	4*	600A	600A

* SERVICE ENTRANCE RATED

SINGLE LINE DIAGRAM FEEDER SCHEDULE

FEEDER	CONDUCTOR AND CONDUITS FEEDER SCHEDULE
A	2 SETS OF 4-350 MCM IN (2) 3-1/2" E.C. (PVC SCHEDULE 80)(EXTERIOR)
B	2 SETS OF 4-350 MCM + #1 AWG GND IN (2) 4" E.C.
C	10 #14 AWG + BELDEN '9279' CABLE 1" E.C.(PVC SCHEDULE 80) (EXTERIOR) AND 1" EMT (INTERIOR)
D	2 #12 AWG + #12 AWG GND IN 3/4" E.C. (FOR BATTERY CHARGER, ANTI-CONDENSATION HEATER AND RECEPTACLES) PVC SCHEDULE 80 (EXTERIOR) AND EMT (INTERIOR)
E	#2/0 AWG DNS RO UNDERGROUND METAL WATER MAING AND #2/0 AWG GND TO 3/4" X 10' SOLID COPPER GROUND ROD AND #2/0 AWG GND TO 3/4" X 10' SOLID COPPER ROD VIA METAL FRAME OF BUILDING AND #2/0 AWG GND FROM METAL WATER MAIN PIPING SYSTEM TO METAL FRAME OF BUILDING
F	NEW SERVICE GROUND FOR SEPARATELY DERIVED SYSTEM AS PER NEC.
G	2 #10 AWG + #10 AWG GND IN 3/4" PVC SCHEDULE 80 (EXTERIOR) AND EMT (INTERIOR) (BLOCK HEATER)
H	2 #12 AWG + #12 AWG GND IN 3/4" E.C. PVC SCHEDULE 80 (EXTERIOR) AND EMT (INTERIOR) (LEAK PROTECTION/OVERFILL ALARM PANEL)
I	BELDEN '9279' CABLE IN 3/4" E.C.
J	4 #4/0 AWG + #4 AWG GND IN 3" E.C.
K	4 #1/0 AWG + #6 AWG GND IN 2" E.C.

SINGLE LINE DIAGRAM NOTES:

SL1. CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SHUTDOWN WITH PSEGLI AND THE CLIENT AS REQUIRED. CONTRACTOR SHALL COMPLETE ALL APPLICATIONS AND PAY RELATED FEES REQUIRED FOR SHUTDOWN.

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ELECTRICAL SINGLE LINE DIAGRAM

DRAWING No.

E 610

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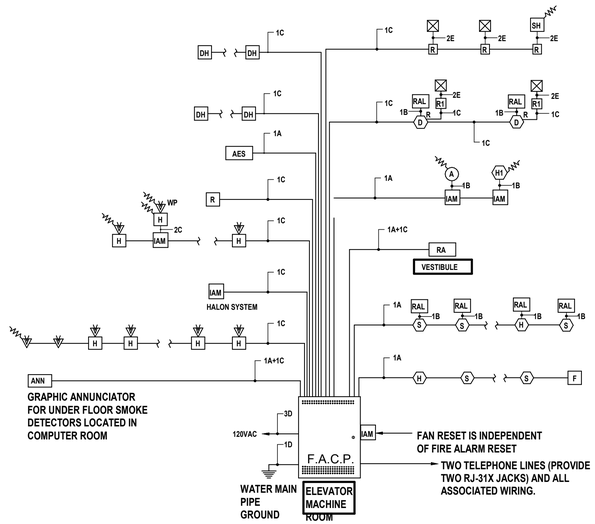
FIRE ALARM SHEET LIST

Sheet Number	Sheet Name
FA 001	FIRE ALARM LEGENDS AND RISER DIAGRAMS
FA 101	ELECTRICAL FIRE ALARM PLAN FIRST FLOOR
FA 102	ELECTRICAL FIRE ALARM PLAN SECOND FLOOR
FA 130	ELECTRICAL FIRE ALARM PLAN ROOF

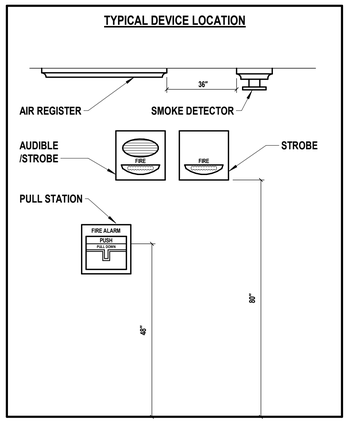
FIRE ALARM LEGEND

SYMBOL	DESCRIPTION	COMMENTS
FACP	FIRE ALARM CONTROL PANEL.	
RA	REMOTE ANNUNCIATOR WITH BACKBOX.	
S	SMOKE DETECTOR.	
S CO	SMOKE DETECTOR WITH CARBON MONOXIDE AND LOCAL TEMPORAL '4' SOUNDER BASE.	
S COSB	SMOKE DETECTOR WITH CARBON MONOXIDE AND INTEGRAL SOUNDER BASE.	
CO	CARBON MONOXIDE DETECTOR.	
RAL S	ABOVE CEILING SMOKE DETECTOR WITH REMOTE ALARM LAMP.	
RAL S R1	DUCT DETECTOR WITH REMOTE ALARM LAMP; "S" DENOTES SUPPLY, "R" DENOTES RETURN.	
H	HEAT DETECTOR.	
HD	HEAT DETECTOR 200°.	
H WP	HORN/STROBE COMBO. WEATHER PROOF HORN/STORBE COMBO WITH BACKBOX.	
AM	ADAPTER MODULE WITH MOUNTING PLATE.	
SH	SMOKE HATCH (F.B.O.).	
	STROBE.	
DH	MAGNETIC DOOR HOLDER.	
DR	DOOR RELEASE RELAY.	
F	MANUAL PULL STATION WITH BACKBOX.	
R	RELAY.	
IAM	INDIVIDUAL ADDRESSABLE MODULE.	
CM	CONTROL MODULE.	
AES	AUTOMATIC EXTINGUISHING SYSTEM.	
	MOTOR STARTER.	
EOL	END OF LINE RESISTOR.	
BT	BEAM DETECTOR TRANSMITTER.	
BR	BEAM DETECTOR RECEIVER.	
SP	SURGE PROTECTOR.	
	BELL/STROBE.	
S	SMOKE DETECTOR FOR ELEVATOR RECALL.	
SRP	SUPPRESSION RELEASING PANEL.	
MS	MAINTENANCE SWITCH.	
SOL	SOLENOID (F.B.O.).	
PS	PRESSURE SWITCH.	
TS	TAMPER SWITCH.	
FS	FLOW SWITCH.	
CS	COIL SUPERVISORY (F.B.O.).	
CL	AIR COMPRESSOR, LOW PRESSURE (F.B.O.).	
CH	AIR COMPRESSOR, HIGH PRESSURE (F.B.O.).	
B	STAGE 2 BELL.	



WIRE LEGEND			
	WIRE DESCRIPTION	TYPE	NOTES
A	1 PAIR TWISTED SHIELDED #18 AWG	FPLP	-
B	1 PAIR #18 AWG. NON-SHIELDED	FPLP	-
C	1 PAIR #14 AWG. NON SHIELDED	FPLP	-
D	#12 AWG. NON SHIELDED	THHN	*
E	#14 AWG. NON SHIELDED	THHN	-
F	1 PAIR TWISTED SHIELDED #16 AWG.	FPLP	-

1 Fire Alarm Riser Diagram
SCALE:NTS



2 Typical Fire Alarm Device Location
SCALE:NTS

	CONTROL UNIT ANNUNCIATION							NOTIFICATION			SUPPLIMENTARY	
	ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE VISUAL ALARM SIGNAL	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTUATE COMMON TROUBLE SIGNAL	ACTUATE ZONE INDICATION	ACTUATE FULL BUILDING EVACUATION SIGNAL	DISPLAY CHANGE OF STATUS	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION	TRANSMIT SUPERVISION SIGNAL TO SUPERVISING STATION	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION	HVAC FAN SHUTDOWN	INITIAIATE EXTERIOR STROBE
MANUAL PULL STATION	●	●			●	●	●	●			●	●
SMOKE DETECTOR	●	●			●	●	●	●			●	●
HEAT DETECTOR	●	●			●	●	●	●			●	●
DUCT DETECTOR	●	●			●	●	●	●			●	●
CARBON MONOXIDE DETECTOR					●		●		●			
FIRE PANEL AC POWER FAILURE			●						●			
FA SYSTEM LOW BATTERY				●						●		
OPEN CIRCUIT				●						●		
GROUND FAULT				●						●		
NOTIFICATION APPLIANCE CIRCUIT SHORT				●						●		
AIR ASPIRATION DETECTOR	●	●			●	●	●	●			●	●

3 Fire Alarm Sequence of Operations
SCALE:NTS

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FIRE ALARM LEGENDS AND RISER DIAGRAMS

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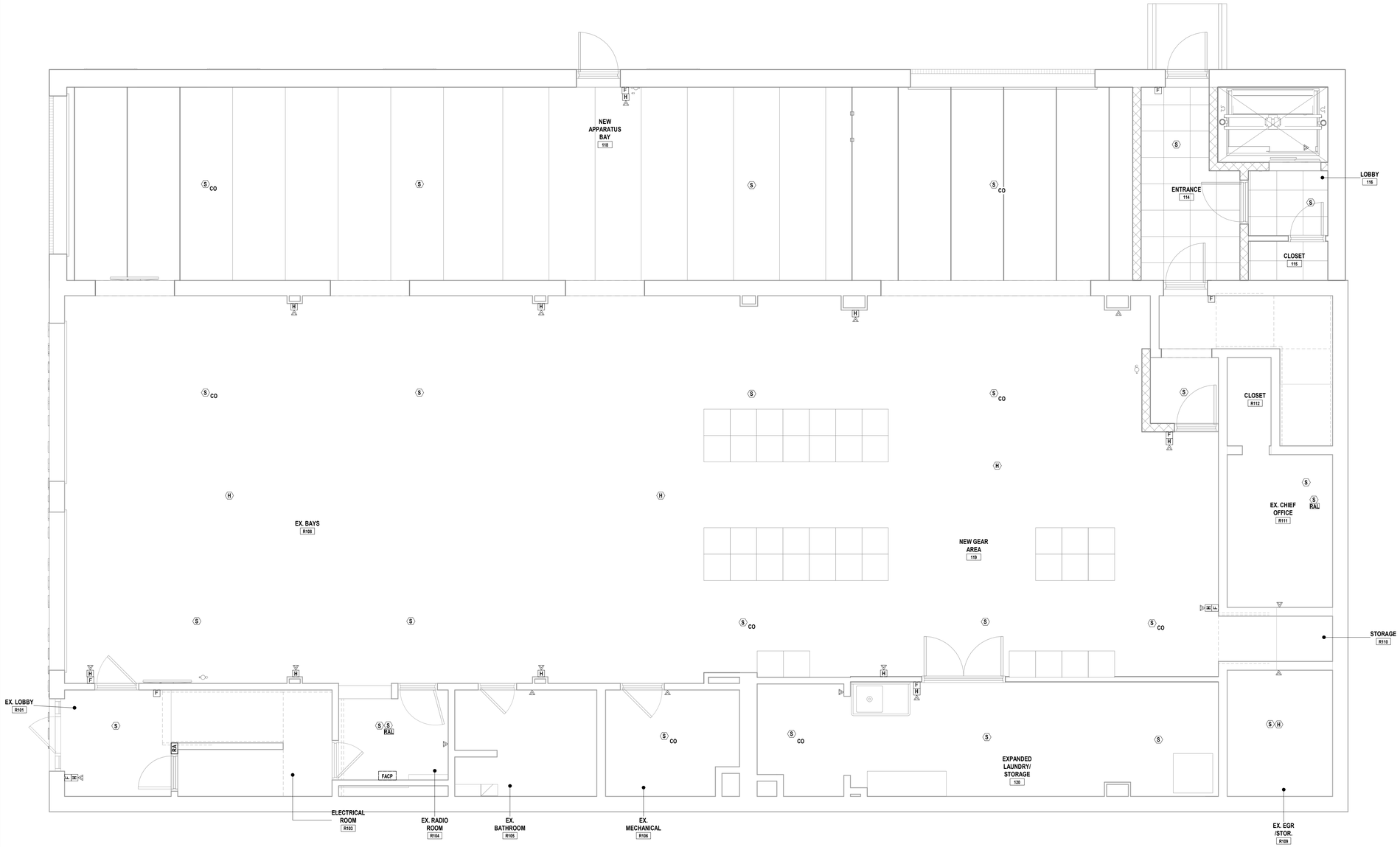

1 **Electrical First Floor Fire Alarm Plan**
SCALE: 1/4" = 1'-0"

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SHEET TITLE
ELECTRICAL FIRE ALARM PLAN FIRST FLOOR

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FA 101

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1 **Electrical Second Floor Fire Alarm Plan**
SCALE: 1/4" = 1'-0"

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SHEET TITLE
ELECTRICAL FIRE ALARM PLAN SECOND FLOOR

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FA 102

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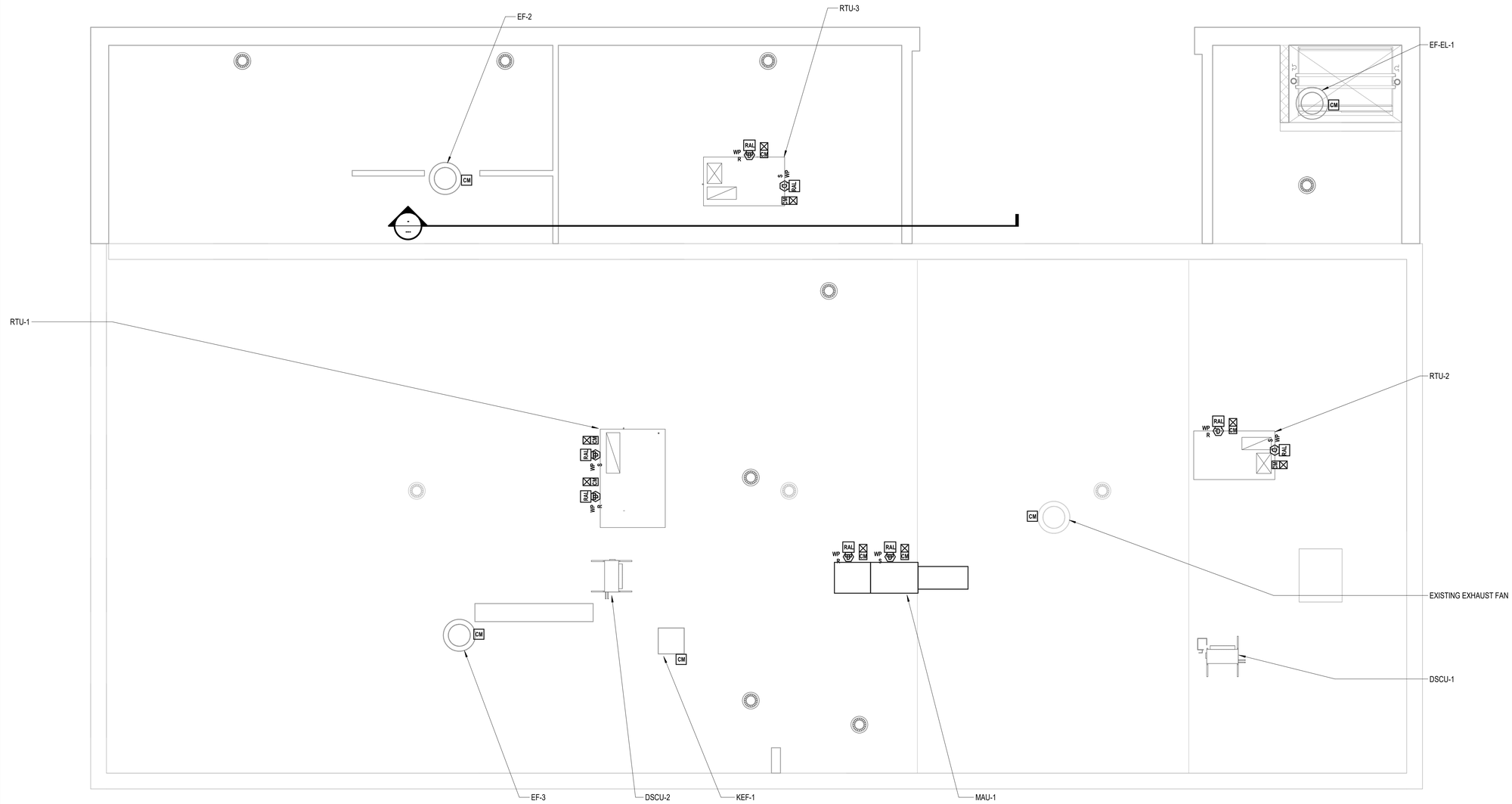

1 **Electrical Fire Alarm Plan Roof**
SCALE: 1/4" = 1'-0"

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SHEET TITLE

ELECTRICAL FIRE ALARM PLAN ROOF

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