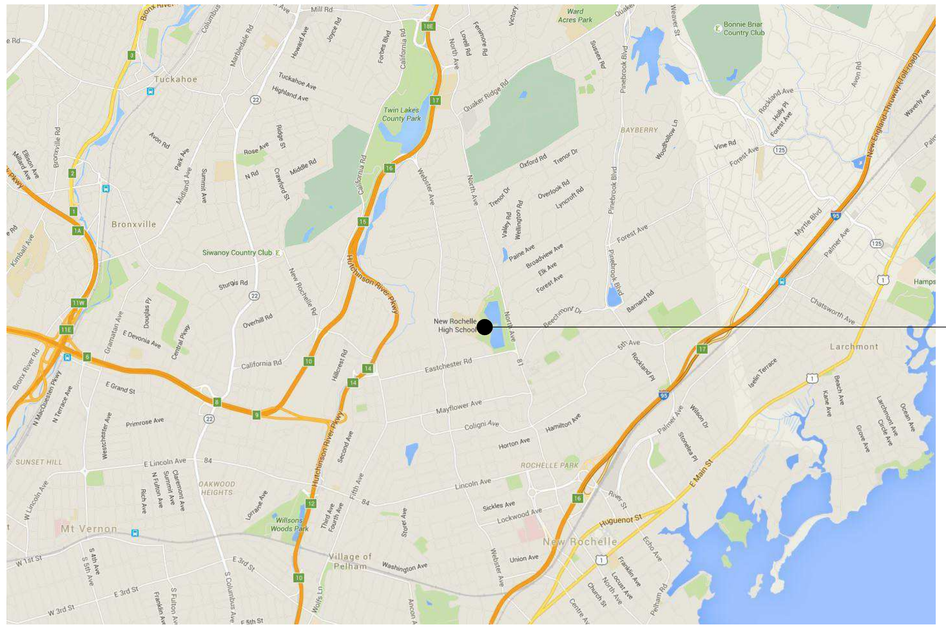

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

265 CLOVE RD. NEW ROCHELLE, NY 10801

ISSUED FOR BID: 10/29/2024

THOMAS M. RITZENTHALER
023344

CSARCH - ARCHITECTS

GREENMAN - PEDERSEN, INC. - MEP & STRUCTURAL ENGINEER
PASSERO ASSOCIATES - CIVIL & STRUCTURAL ENGINEER

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
2023 CAPITAL PROJECT - PHASE 1 66-11-00-01-0-001-030

THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 188-2301.01

VICINITY MAP NTS

DRAWING LIST - VOLUME 1

GENERAL DRAWINGS	
G000	COVER
G001	SYMBOLS, ABBREVIATIONS, AND MISC
G101	OVERALL FIRST FLOOR PLAN
G121	OVERALL SECOND FLOOR PLAN
G131	OVERALL THIRD FLOOR PLAN
LIFE SAFETY DRAWINGS	
LS111	PARTIAL FIRST FLOOR AREAS 'A&B' LIFE SAFETY PLAN
LS121	PARTIAL SECOND FLOOR AREAS 'A&B' LIFE SAFETY PLAN
LS131	AREA 'C' FIRST & SECOND FLOOR LIFE SAFETY PLAN
LS141	AREA 'D' FIRST FLOOR LIFE SAFETY PLAN
LS151	AREA 'E' ALL FLOORS LIFE SAFETY PLAN
LS161	AREA 'F' ALL FLOORS LIFE SAFETY PLANS
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LS191	SMOKE ZONE PLANS
CIVIL DRAWINGS	
C100	KEY PLAN
C120	EXISTING CONDITIONS & DEMOLITION PLAN
C130	PROPOSED SITE PLAN
C140	GRADING & DRAINAGE PLAN
C150	EROSION & SEDIMENT CONTROL PLAN
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SD101	DEMO FOUNDATION AND FRAMING PLANS
S101	FOUNDATION AND FRAMING PLANS
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S301	SECTIONS & DETAILS
S302	SECTIONS & DETAILS
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ARCHITECTURAL DEMOLITION DRAWINGS	
AD121	AREA 'A' PARTIAL SECOND FLOOR DEMO PLAN
AD136	AREA 'F' PARTIAL THIRD FLOOR DEMO PLAN
AD601	ENLARGED DEMOLITION PLANS
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ARCHITECTURAL DRAWINGS	
A121	AREA 'A' PARTIAL SECOND FLOOR PLAN
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A602	ENLARGED VESTIBULE PLANS, ELEVATIONS AND DETAILS
A603	ENLARGED PLANS, ELEVATIONS AND DETAILS
A701	PARTITION TYPES
A821	AREA 'A' PARTIAL SECOND FLOOR RCP
A851	TYPICAL CEILING DETAILS
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ARCHITECTURAL FINISH DRAWINGS	
AF121	MATERIAL SCHEDULE AND FINISH PLANS
PLUMBING DRAWINGS	
P101	PLUMBING PLANS
MECHANICAL GENERAL DRAWINGS	
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MD101	MECHANICAL REMOVALS PLAN - VESTIBULE
MD102	MECHANICAL REMOVALS PLAN - THIRD FLOOR CORRIDOR
MECHANICAL DRAWINGS	
M101	MECHANICAL NEW WORK PLAN - VESTIBULE
M102	MECHANICAL NEW WORK PLAN - THIRD FLOOR CORRIDOR
ELECTRICAL GENERAL DRAWINGS	
E001	ELECTRICAL LEGEND AND ABBREVIATIONS
ELECTRICAL DEMOLITION DRAWINGS	
ED101	2ND FLOOR VESTIBULE - ELECTRICAL REMOVALS PLAN
ED102	3RD FLOOR CORRIDOR - ELECTRICAL REMOVALS PLAN
ELECTRICAL DRAWINGS	
E101	2ND FLOOR VESTIBULE - ELECTRICAL NEW WORK PLAN
E102	3RD FLOOR CORRIDOR - ELECTRICAL NEW WORK PLAN

VOLUME 1 OF 6

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADMIN	ADMINISTRATIVE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
AV	AUDIO VISUAL
BLDG	BUILDING
BOT OR B/	BOTTOM OF
BSMT	BASEMENT
CJ	CONTROL / CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ED	EDUCATION
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELECT	ELECTRIC / ELECTRICAL
ELEV	ELEVATION
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EXST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
FIN	FINISH
FIN FL	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FRT	FIRE-RETARDENT-TREATED MATERIAL
FTG	FOOTING
G	GROUND
GA	GAUGE
GAL	GALLON(S)
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GWB	GYPSUM WALL BOARD
GWBS	GYPSUM WALL BOARD SOFFIT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
IN	INCH
INT	INTERIOR
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
LAB	LABORATORY
LB	POUND
LIN	LINEAR
LVL	LEVEL
MAN	MANUAL
MAS	MASONRY
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTL	METAL
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OPT	OPTIONAL
OVR	OVERALL
OZ	OUNCE
PERIM	PERIMETER
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POLYISO	POLYISOCYANURATE
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREP	PREPARATORY
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
REQD	REQUIRED
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
SCH	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAC	SUSPENDED ACOUSTICAL CEILING
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TECH	TECHNOLOGY
TEMP	TEMPORARY
TMPD	TEMPERED
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WD	WOOD
WPT	WOOD PRESERVED-TREATED MATERIAL
WGT	WEIGHT
YD	YARD

ARCHITECTURAL LEGEND

MATERIAL INDICATIONS

- EARTH
- GRANULAR FILL
- BRICK
- CONCRETE MASONRY UNIT
- CONCRETE
- GROUT
- ROUGH WOOD BLOCKING
- SHIM
- FINISH WOOD
- PLYWOOD
- SHEATHING
- RIGID INSULATION
- BATT INSULATION
- SPRAY FOAM INSULATION
- EPS INSULATION
- STEEL

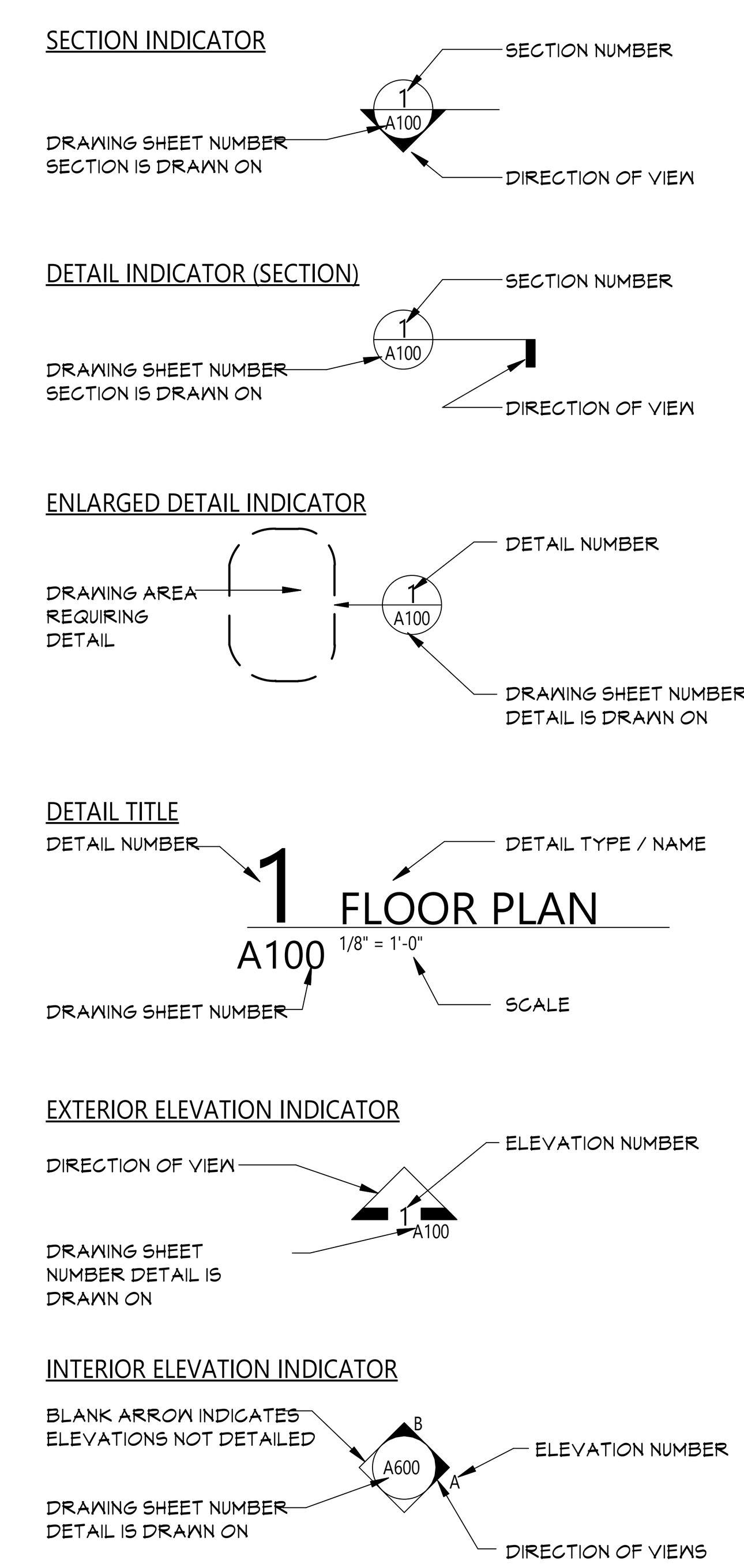
DIMENSIONING CONVENTIONS

- FACE OF STUD OR CMU
- COLUMN CENTER LINE

SYMBOLS

Symbol	Description
CLASSROOM	ROOM NAME
100	ROOM NUMBER
000 S.F.	AREA OF ROOM
A100	DOOR NUMBER, REFER TO A900 DRAWINGS
1	WINDOW TAG, REFER TO A900 DRAWINGS
BL11	BORROWED LIGHT NUMBER, REFER TO A900 DRAWINGS
S1	STOREFRONT / CURTAINWALL NUMBER, REFER TO A900 DRAWINGS
1	COLUMN GRID DESIGNATION
1	PARTITION TAG, REFER TO A700 DRAWINGS
1	HOUR RATING OF PARTITION
M	ADDITIONAL NOTES FOR PARTITION
1	REVISION NUMBER
1	KEY NOTE, NEW WORK
1	KEY NOTE, DEMOLITION WORK
+0'-0"	ELEVATION TAG
	HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE
ROOM NAME / 101 / WALL FINISH / BASE FINISH / FLOOR FINISH	INTERIOR FINISH TAG, REFER TO AF100 DRAWINGS

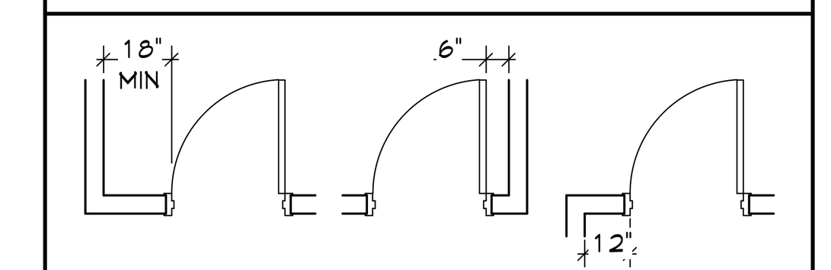
DETAIL INDICATOR LEGEND



PLAN GRAPHICS LEGEND

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- NEW CONCRETE MASONRY WALL
- NEW METAL STUD WALL
- NEW BRICK VENEER
- EXISTING DOOR TO REMAIN
- EXISTING DOOR TO BE REMOVED
- NEW DOOR

FINISHED DOOR OPENINGS SHALL BE LOCATED AS INDICATED BELOW UNO. DIMENSIONS SHOWN ARE CLEAR DIMENSIONS FROM INSIDE OF FRAME TO WALL FINISH.



GENERAL NOTES

1. DIMENSIONS ARE GIVEN THUS (UNLESS NOTED OTHERWISE)
   A. TO FACE OF MASONRY WALL
   B. TO FACE OF METAL STUD
   C. TO COLUMN CENTERLINES
   D. TO FINISH FACE OF SOFFIT OR CEILING
   E. FACE OF EXISTING CONSTRUCTION
2. DO NOT SCALE DRAWINGS. IF A DIMENSION IS NOT SHOWN, BRING IT TO THE ATTENTION OF THE ARCHITECT FOR VERIFICATION BEFORE PROCEEDING WITH THE ASSOCIATED WORK
3. WALLS ON COLUMN LINES ARE CENTERED, UNO
4. ALL DIMENSIONS RELATED TO EXISTING CONDITIONS SHALL BE VERIFIED IN FIELD. CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK IN THAT AREA.
5. LAYOUT OF TOILET FIXTURES AND ACCESSIBILITY CLEARANCES ARE SHOWN AS CLEAR DIMENSION. CONTRACTORS ARE REQUIRED TO COODINATE LAYOUTS OF PARTITIONS, UTILITY CONNECTIONS, AND THICKNESS OF FINISHES TO ALLOW THESE CLEAR DIMENSIONS.
6. ALL ELEVATIONS (X'-X") ARE REFERENCE FROM FIRST FLOOR ELEVATION
7. ALL WOOD BLOCKING WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED
8. ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND /OR FIRE STOPPED. COORDINATE WITH 'H' DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.
9. FOR INTERIOR PARTITION TYPES, REFER TO DRAWING A701
10. FOR DOOR SCHEDULE, REFER TO DRAWING A901
11. FOR FINISH SCHEDULE, REFER TO DRAWING AF101
12. ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.

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Consultant

Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK

Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	Author
Checked By:	Checker
Proj. #:	66-11-00-01-0-001-030
CSArch Proj. #:	188-2301.01
Issued for Bid:	10/14/2024

Sheet Title

SYMBOLS, ABBREVIATIONS, AND MISC

Sheet No.

NRHS G001

CONSTRUCTION DOCUMENTS

C:\Users\rcollura\Documents\188-2301.00_NEW_ROCHELLE_HS_rcolluraXYARE.rvt

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION.
3. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

1 OVERALL FIRST FLOOR PLAN
G101 1/32" = 1'-0"

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	NS/PW
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Sheet Title
OVERALL FIRST FLOOR PLAN

Sheet No.
NRHS
G101

CONSTRUCTION DOCUMENTS

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GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION.
3. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.
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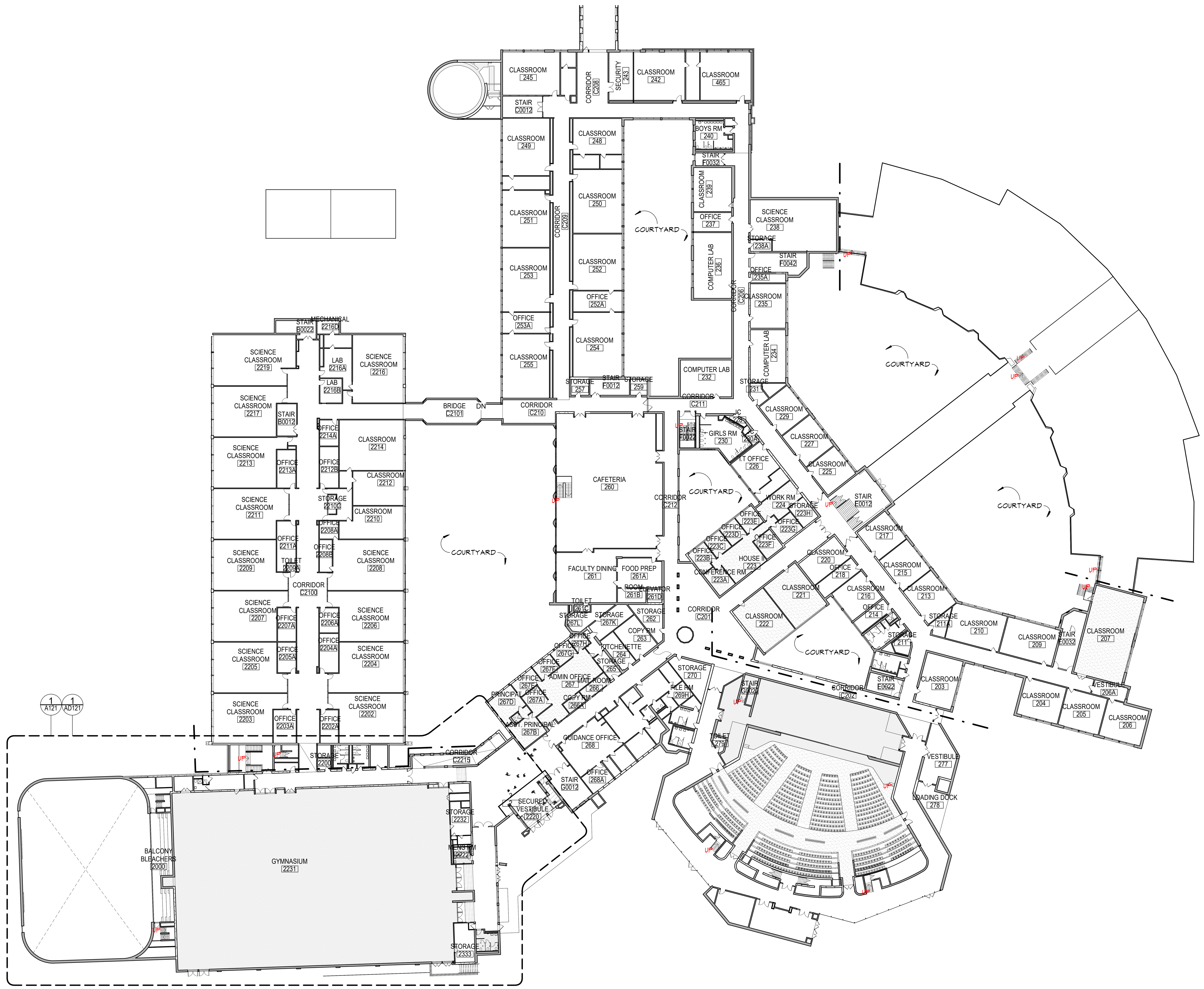
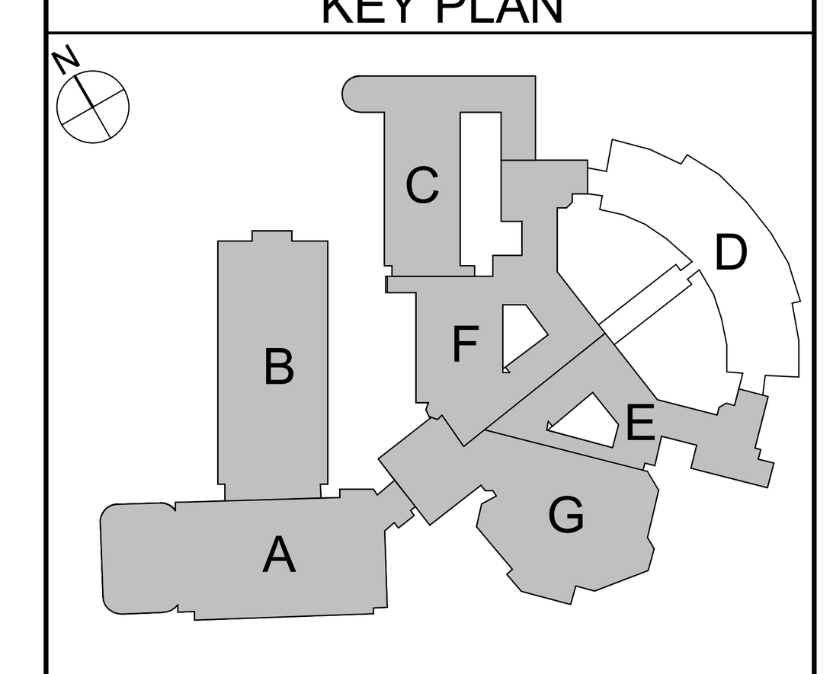


1 OVERALL SECOND FLOOR PLAN
G121 1/32" = 1'-0"

KEY PLAN



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NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK

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Sheet Title

OVERALL SECOND FLOOR PLAN

Sheet No.

NRHS G121

CONSTRUCTION DOCUMENTS

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GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION.
3. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.
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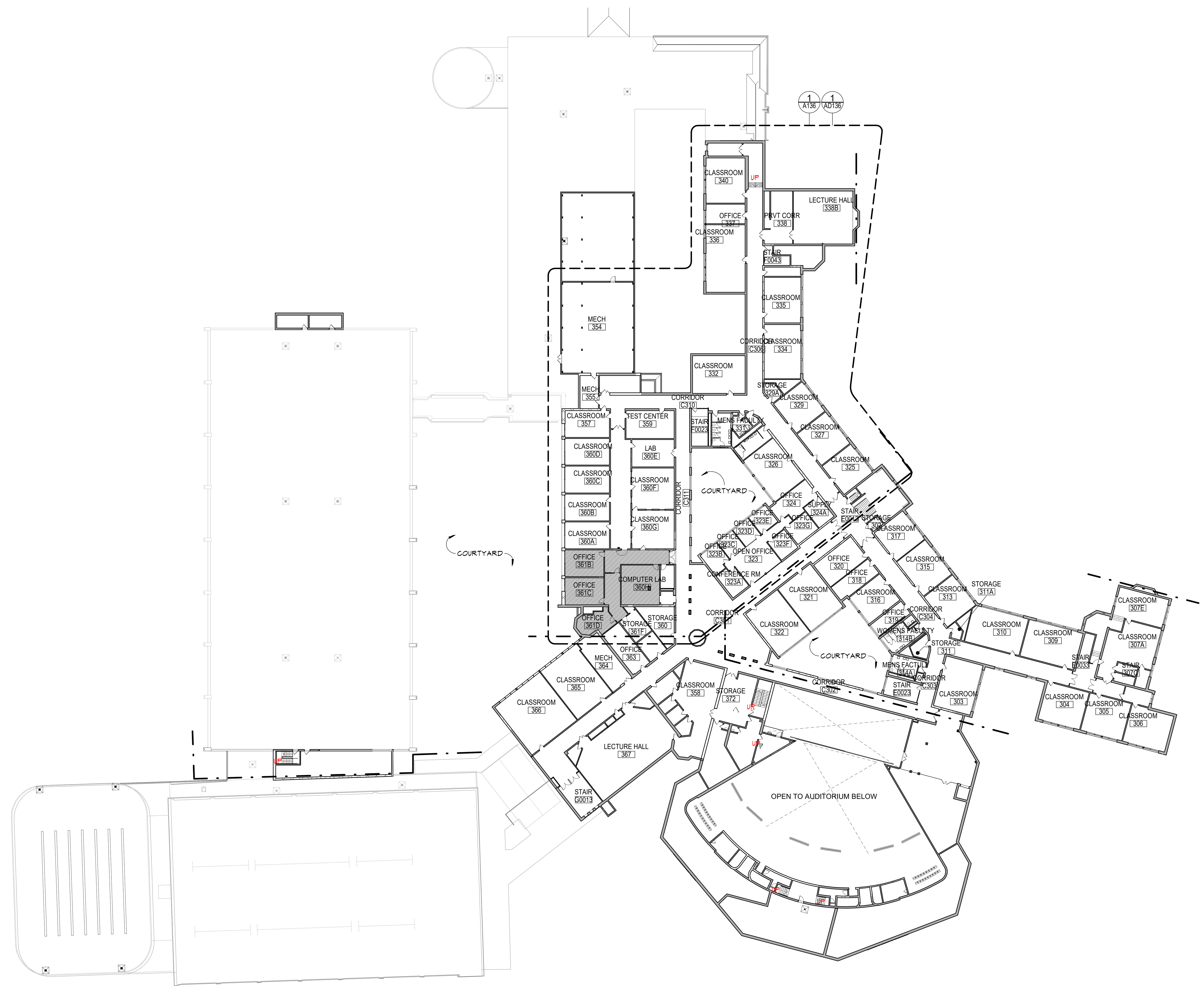
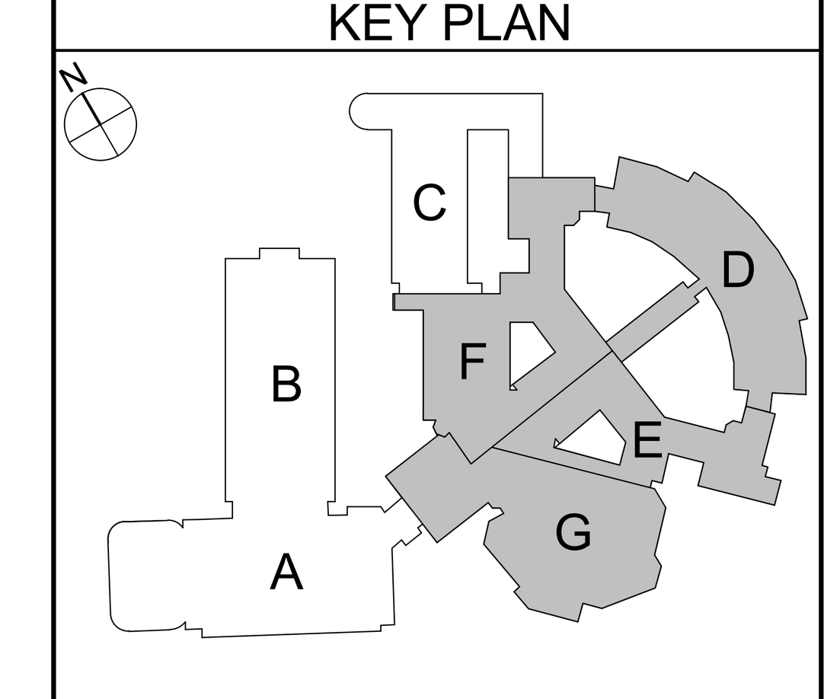


1 OVERALL THIRD FLOOR PLAN

G131 1/32" = 1'-0"

KEY PLAN



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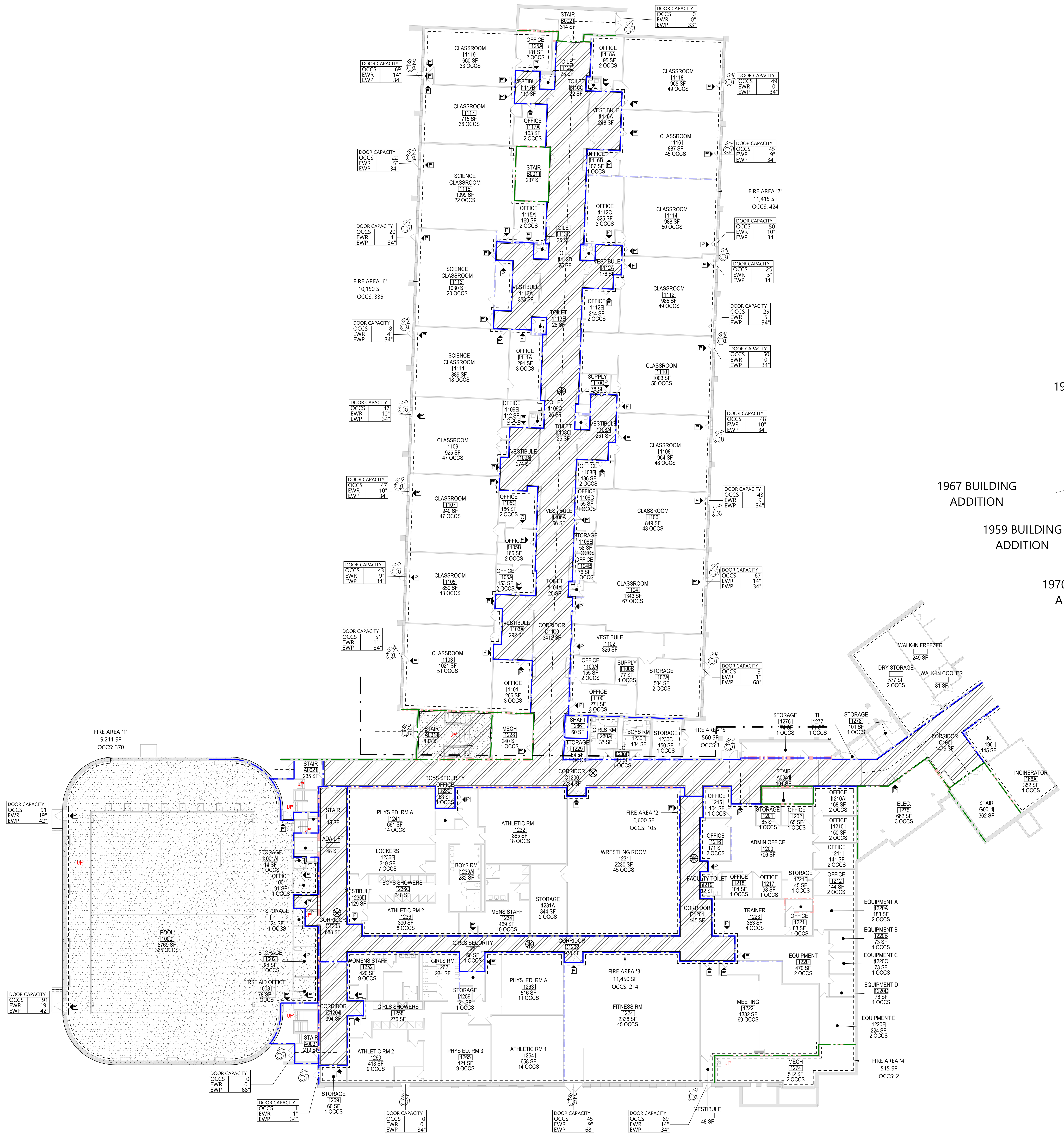
Sheet Title

OVERALL THIRD FLOOR PLAN

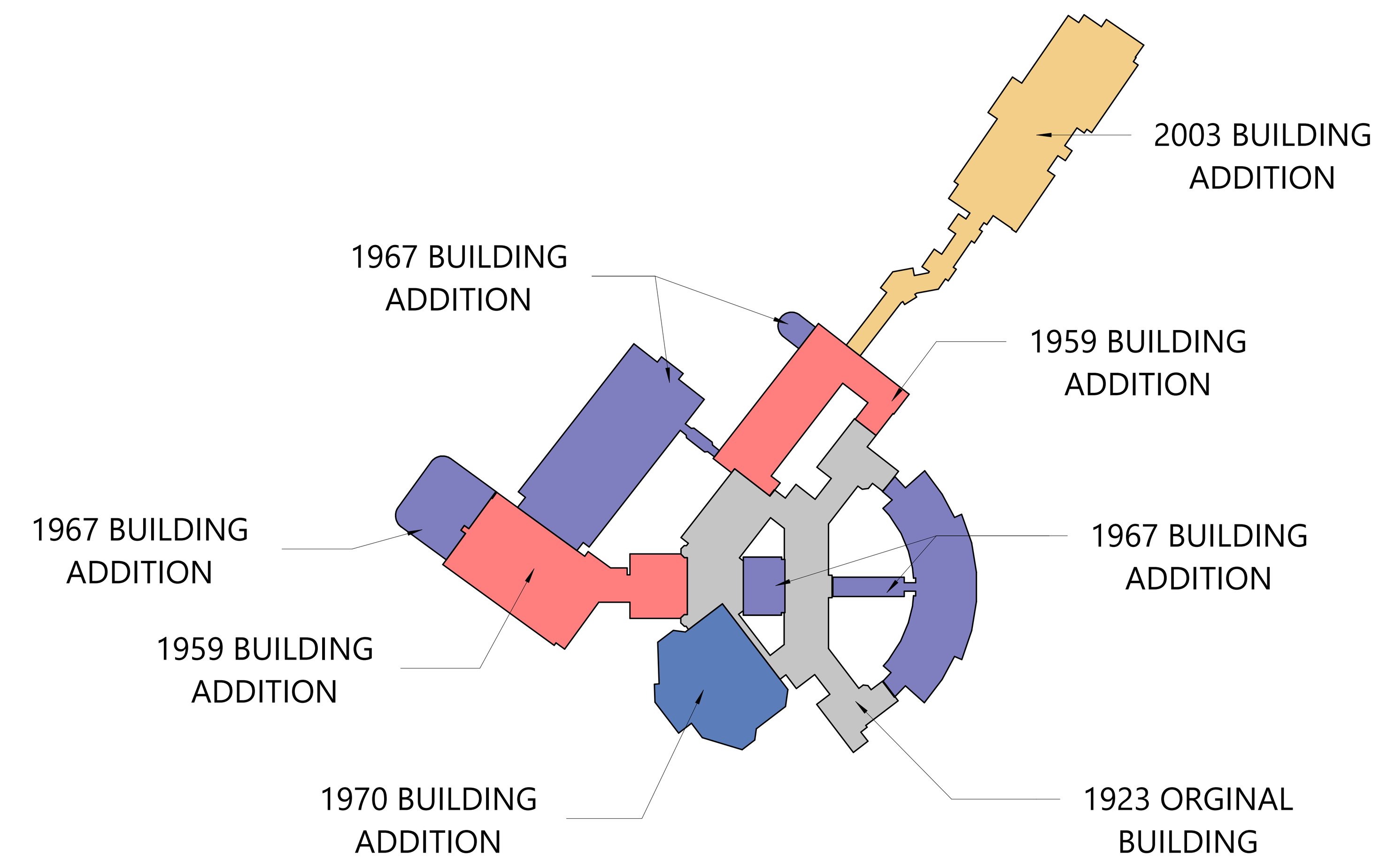
Sheet No.

NRHS G131

CONSTRUCTION DOCUMENTS

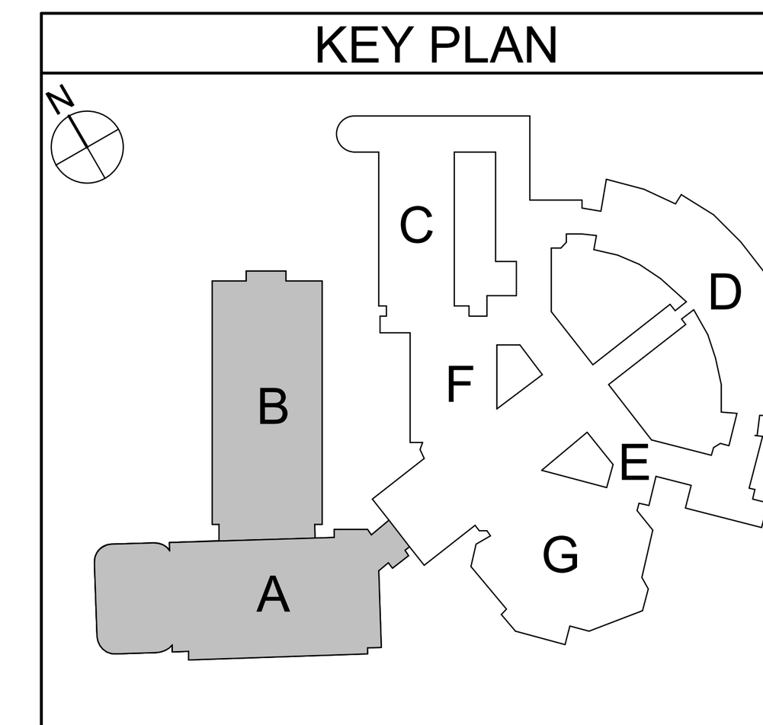


2 ph1-AREA 'A&B' 1ST FLOOR LIFE SAFETY PLAN
LS111 1/16" = 1'-0"



1 BUILDING VINTAGE PLAN
LS111 1" = 160'-0"

KEY PLAN



FIRE AREA MODIFICATIONS (NYS SECTION 506)	
A_a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A_t	TABULAR ALLOWABLE AREA FACTOR (NS,S1,S13R OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)
I_f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING
S_a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2
L_n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL
w_n	WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
P	PERIMETER OF ENTIRE BUILDING (FEET)

$I_f = [F/P - 0.25]W/30$
$I_f = [100/XX - 0.25]\ XX/30$
$I_f = [0.XX]\ 1.00$
$I_f = XX\%$

$A_a = A_t + (NS \times I_f)$
$A_a = XXX + (XXX \times 0.XX)$
$A_a = XXX + (XXX)$
$A_a = XXX$ sq ft

LIFE SAFETY PLAN LEGEND

- P PRIMARY EXIT
- S SECONDARY EXIT
- R RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- ## OCCS (## OCCS) — NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- DOOR CAPACITY / OCCS / EWR / EWP — REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- STAIR CAPACITY / OCCS / EWR / EWP — REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- DF DRINKING FOUNTAIN
- ESE EMERGENCY EYEWASH STATION
- FE FIRE EXTINGUISHER, WALL MOUNT
- FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES

- SMOKE BARRIER
- CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

CODE NARRATIVE:

1924 ORIGINAL CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 46,759 SF GROSS
SECOND FLOOR AREA: 44,000 SF GROSS
THIRD FLOOR AREA: 44,282 SF GROSS
CURRENT USE: EDUCATION (E)

1959 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 50,973 SF GROSS
SECOND FLOOR AREA: 51,200 SF GROSS
THIRD FLOOR AREA: 8,868 SF GROSS
CURRENT USE: EDUCATION (E)

1967 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 71,542 SF GROSS
SECOND FLOOR AREA: 38,062 SF GROSS
THIRD FLOOR AREA: 5,413 SF GROSS
CURRENT USE: EDUCATION (E)

1970 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 20,521 SF GROSS
SECOND FLOOR AREA: 23,419 SF GROSS
THIRD FLOOR AREA: 16,400 SF GROSS
CURRENT USE: EDUCATION (E)

2003 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 50,000 SF GROSS
SECOND FLOOR AREA: 45,000 SF GROSS
CURRENT USE: EDUCATION (E)

CLASSIFICATION OF WORK:

LEVEL 2 ALTERATION 26,985 SF
LEVEL 1 ALTERATION XXX SF

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/OUT FIXED SEATS	
CONCENTRATED	7 NET
UNCONCENTRATED	15 NET
BUISNESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

STRUCTURAL LOAD

RISK CATAGORY: III	
DEAD LOADS:	
CONCRETE SLAB	XXX PSF
LIVE LOADS:	
SLAB	XXX PSF
RAIN LOADS:	
15-MINUTE RAINFALL INTENSITY	X.XX IN./H
60-MINUTE RAINFALL INTENSITY	X.XX IN./H
SNOW LOADS:	
GROUND SNOW LOAD	XX PSF
FLAT ROOF SNOW LOAD	XX.X PSF
SLOPED ROOF SNOW LOAD	XXX
WIND LOADS:	
ULTIMATE WIND SPEED	XXX MPH
EXPOSURE CATEGORY	X
SEISMIC DESIGN DATA:	
SITE CLASS	X
SEISMIC DESIGN CATEGORY	X

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NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK
Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	Author
Checked By:	Checker
Proj. #:	66-11-00-01-0-001-030
CSArch Proj. #:	188-2301.01
Issued for Bid:	10/14/2024

Sheet Title
PARTIAL FIRST FLOOR AREAS 'A&B' LIFE SAFETY PLAN

Sheet No.
NRHS LS111

CONSTRUCTION DOCUMENTS

1 ph1-AREA 'A&B' 2nd FLOOR LIFE SAFETY PLAN
LS121 1/16" = 1'-0"

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LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
- RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- ## OCCS (## OCCS) — NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- DOOR CAPACITY (OCCS / EWR / EWP) — REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- STAIR CAPACITY (OCCS / EWR / EWP) — REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- DF DRINKING FOUNTAIN
- ESE EMERGENCY EYEWASH STATION
- FE FIRE EXTINGUISHER, WALL MOUNT
- FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES

- SMOKE BARRIER
- CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

CODE NARRATIVE:

1924 ORIGINAL CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 46,759 SF GROSS
SECOND FLOOR AREA: 44,000 SF GROSS
THIRD FLOOR AREA: 44,282 SF GROSS
CURRENT USE: EDUCATION (E)

1959 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 50,973 SF GROSS
SECOND FLOOR AREA: 51,200 SF GROSS
THIRD FLOOR AREA: 8,868 SF GROSS
CURRENT USE: EDUCATION (E)

1967 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 71,542 SF GROSS
SECOND FLOOR AREA: 38,062 SF GROSS
THIRD FLOOR AREA: 5,413 SF GROSS
CURRENT USE: EDUCATION (E)

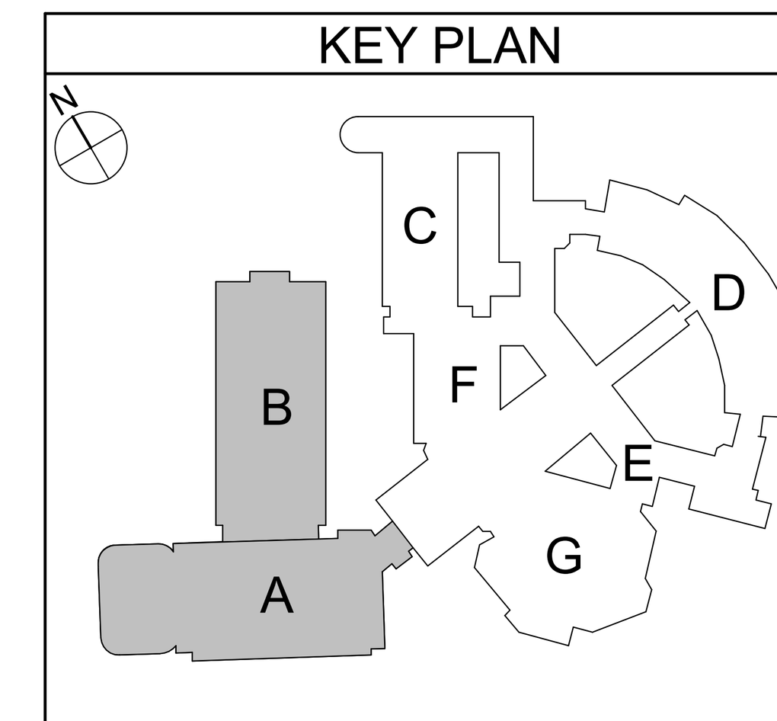
1970 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 20,521 SF GROSS
SECOND FLOOR AREA: 23,419 SF GROSS
THIRD FLOOR AREA: 16,400 SF GROSS
CURRENT USE: EDUCATION (E)

2003 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 50,000 SF GROSS
SECOND FLOOR AREA: 45,000 SF GROSS
CURRENT USE: EDUCATION (E)

CLASSIFICATION OF WORK:

LEVEL 2 ALTERATION 26,985 SF
LEVEL 1 ALTERATION XXX SF

KEY PLAN



FIRE AREA MODIFICATIONS (NYS SECTION 506)	
A_a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A_t	TABULAR ALLOWABLE AREA FACTOR (NS,S1,S13R OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)
I_f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING
S_a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2
L_n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL
w_n	WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
P	PERIMETER OF ENTIRE BUILDING (FEET)

I_f = [F/P - 0.25]W/30
I_f = [100/XX - 0.25] XX/30
I_f = [0.XX] 1.00
I_f = XX%

A_a = A_t+(NS x I_f)
A_a = XXX+(XXX x 0.XX)
A_a = XXX+(XXX)
A_a = XXX sq ft

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/OUT FIXED SEATS	
CONCENTRATED	7 NET
UNCONCENTRATED	15 NET
BUSINESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

STRUCTURAL LOAD

RISK CATAGORY: III	
DEAD LOADS:	
CONCRETE SLAB	XXX PSF
LIVE LOADS:	
SLAB	XXX PSF
RAIN LOADS:	
15-MINUTE RAINFALL INTENSITY	X.XX IN./H
60-MINUTE RAINFALL INTENSITY	X.XX IN./H
SNOW LOADS:	
GROUND SNOW LOAD	XX PSF
FLAT ROOF SNOW LOAD	XX.X PSF
SLOPED ROOF SNOW LOAD	XXX
WIND LOADS:	
ULTIMATE WIND SPEED	XXX MPH
EXPOSURE CATEGORY	X
SEISMIC DESIGN DATA:	
SITE CLASS	X
SEISMIC DESIGN CATEGORY	X

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845 · 561 · 3179 www.csarchpc.com

Consultant

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2023 CAPITAL PROJECT - PHASE 1

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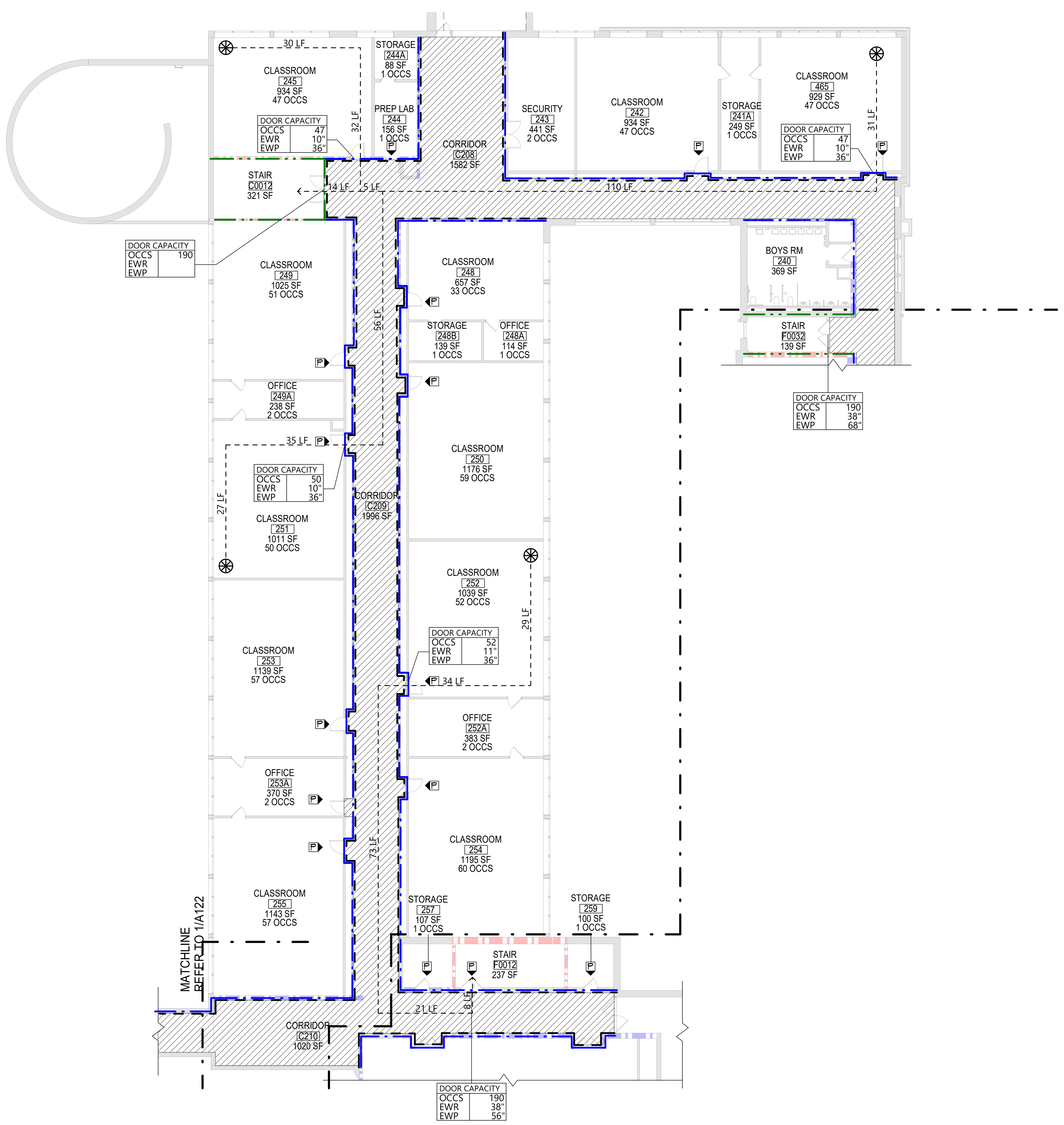
Sheet Title
PARTIAL SECOND FLOOR AREAS 'A&B' LIFE SAFETY PLAN

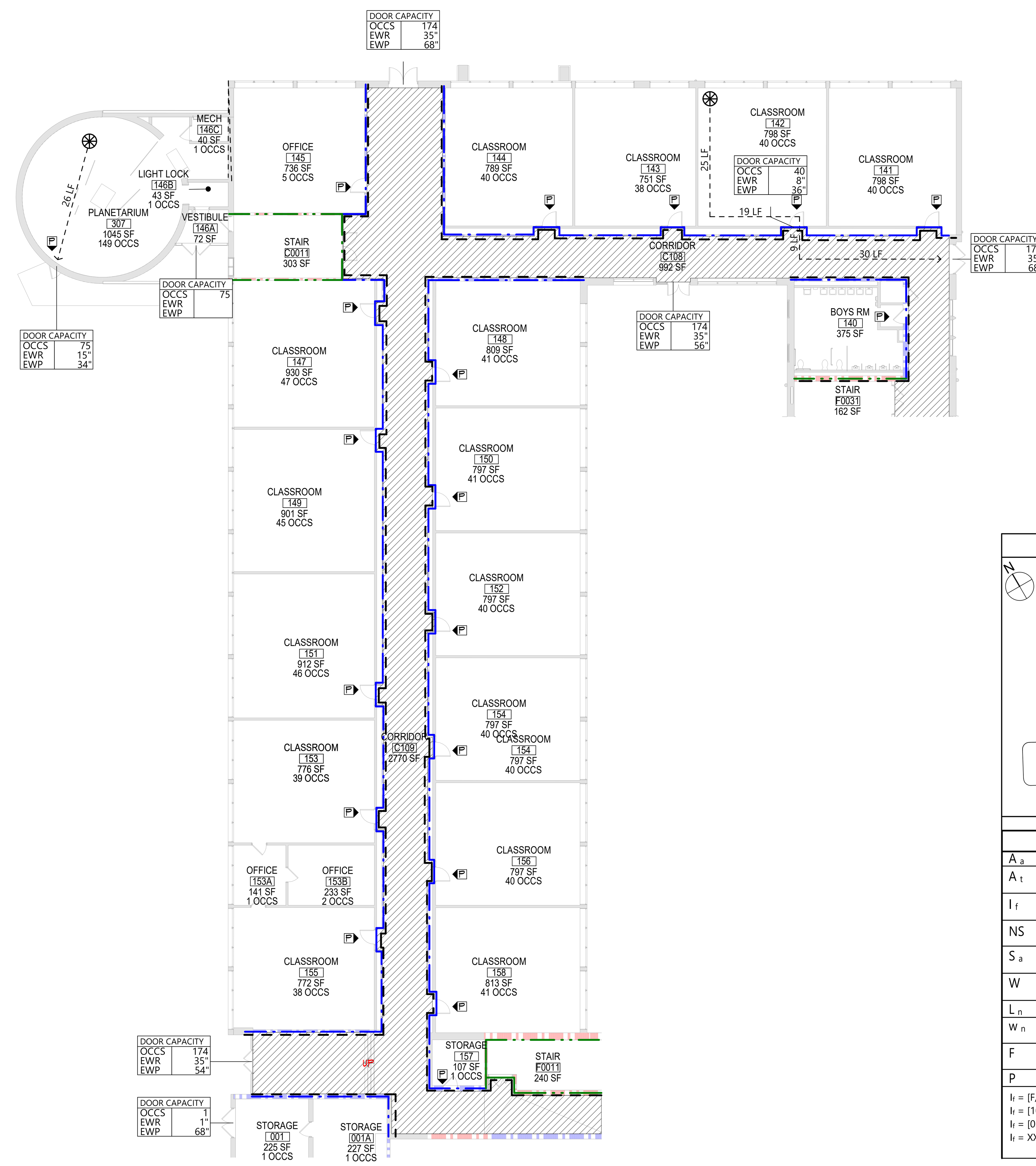
Sheet No.
NRHS LS121

CONSTRUCTION DOCUMENTS



2 ph1-AREA 'C' 2ND FLOOR LIFE SAFETY

LS131 1/16" = 1'-0"



1 ph1-AREA 'C' 1ST FLOOR LIFE SAFETY PLAN

LS131 1/16" = 1'-0"

LIFE SAFETY PLAN LEGEND

P	PRIMARY EXIT
S	SECONDARY EXIT
R	RESCUE WINDOW (SECONDARY EXIT)
	ACCESSIBLE EXIT
	RESCUE ASSISTANCE STATION/AREA OF REFUGE
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SMOKE BARRIER

CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

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- 1 HOUR RATED FIRE PARTITION
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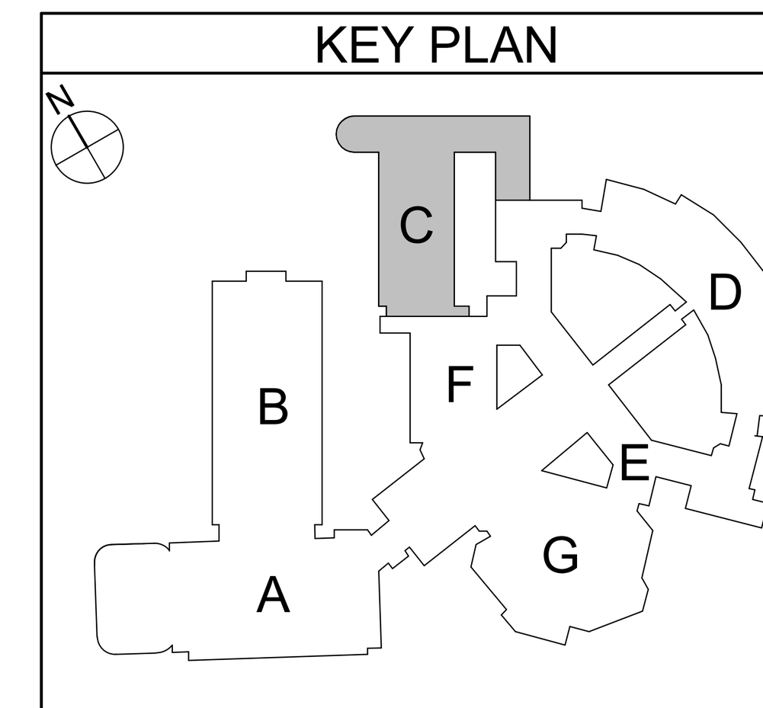
LEVEL 2 ALTERATION 26,985 SF
LEVEL 1 ALTERATION XXX SF

KEY PLAN



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I_f = [100/XX - 0.25] XX/30
I_f = [0.XX] 1.00
I_f = XX%

$A_a = A_t$+(NS x I_f)
A_a = XXX+(XXX x 0.XX)
A_a = XXX+(XXX)
A_a = XXX sq ft

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/OUT FIXED SEATS	
CONCENTRATED	7 NET
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BUISNESS AREAS	150 GROSS
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EXERCISE ROOMS	50 GROSS
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STRUCTURAL LOAD

RISK CATAGORY: III	
DEAD LOADS:	
CONCRETE SLAB	XXX PSF
LIVE LOADS:	
SLAB	XXX PSF
RAIN LOADS:	
15-MINUTE RAINFALL INTENSITY	X.XX IN./H
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SNOW LOADS:	
GROUND SNOW LOAD	XX PSF
FLAT ROOF SNOW LOAD	XX.X PSF
SLOPED ROOF SNOW LOAD	XXX
WIND LOADS:	
ULTIMATE WIND SPEED	XXX MPH
EXPOSURE CATEGORY	X
SEISMIC DESIGN DATA:	
SITE CLASS	X
SEISMIC DESIGN CATEGORY	X

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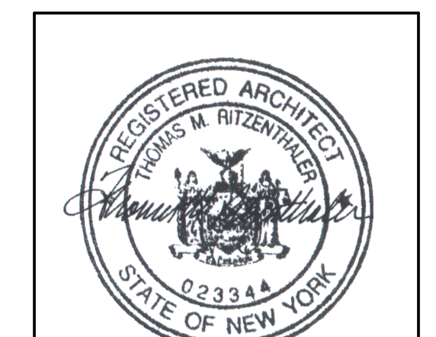
2023 CAPITAL PROJECT - PHASE 1



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Sheet Title

AREA 'C' FIRST & SECOND FLOOR LIFE SAFETY PLAN

Sheet No.

NRHS LS131

CONSTRUCTION DOCUMENTS

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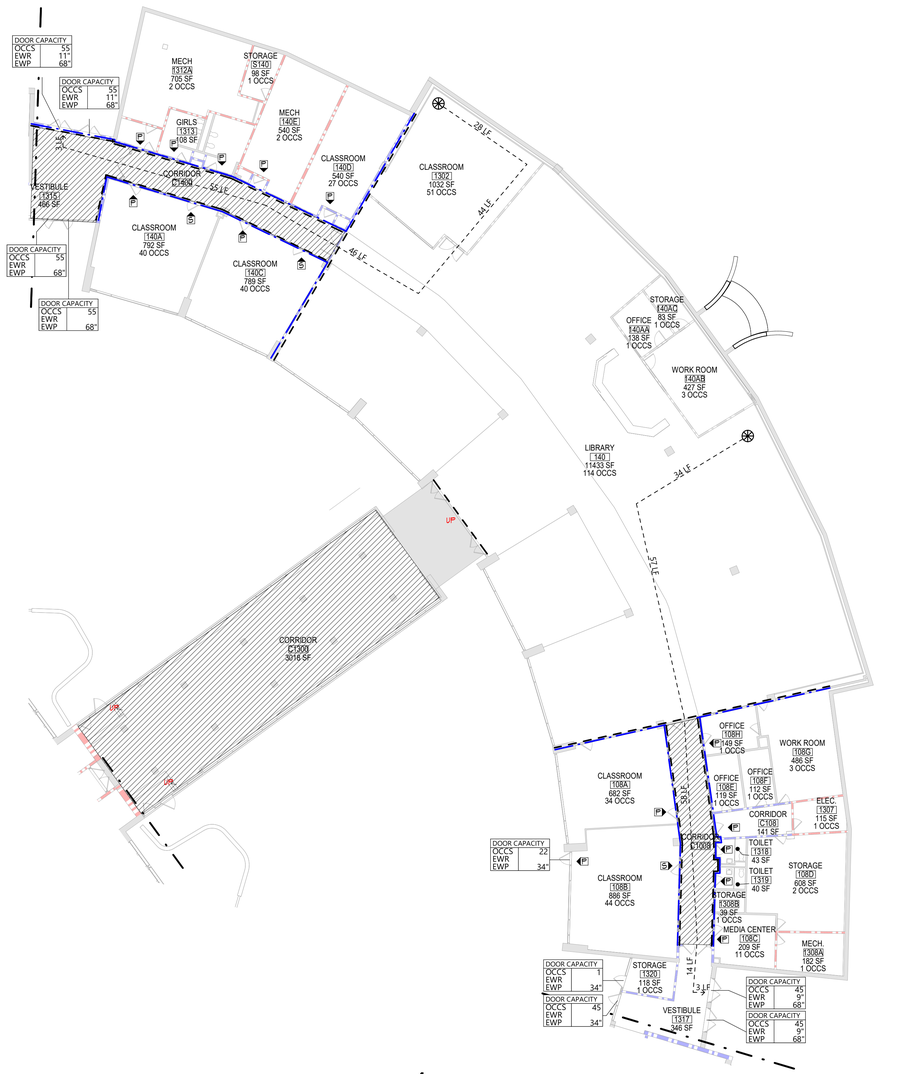

1 ph1-AREA 'D' 1ST FLOOR LIFE SAFETY PLAN
LS141 1/16" = 1'-0"

LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
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SMOKE SEPARATION NOTES

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FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
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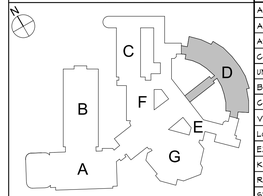
CURRENT USE: EDUCATION (E)

CLASSIFICATION OF WORK:

- LEVEL 2 ALTERATION — XXX SF
- LEVEL 3 ALTERATION — XXX SF

KEY PLAN



OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/OUT FIXED SEATS	
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UNCONCENTRATED	15 NET
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LOCKER ROOMS	50 GROSS
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STRUCTURAL LOAD

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CONCRETE SLAB	xxx PSF
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SLAB	xxx PSF
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15-MINUTE RAINFALL INTENSITY	xxx IN./H
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SNOW LOADS:	
GROUND SNOW LOAD	xx PSF
FLAT ROOF SNOW LOAD	xxx PSF
SLOPED ROOF SNOW LOAD	xxx
WIND LOADS:	
ULTIMATE WIND SPEED	xxx MPH
EXPOSURE CATEGORY	x
SEISMIC DESIGN DATA:	
SITE CLASS	x
SEISMIC DESIGN CATEGORY	x

FIRE AREA MODIFICATIONS (NYS SECTION 506)

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$A_a = A_t+(NS \times I_f)$
A_a = XXX+(XXX x 0.XX)
A_a = XXX+(XXX)
A_a = XXX sq ft

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CSARCH

Consultant

CITY SCHOOL DISTRICT OF NEW ROCHELLE
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2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT — DAVID M. PITTENGER — STATE OF NEW YORK
Expiration Date: 02/28/2025

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Sheet Title
AREA 'D' FIRST FLOOR LIFE SAFETY PLAN

Sheet No.
NRHS LS141

CONSTRUCTION DOCUMENTS

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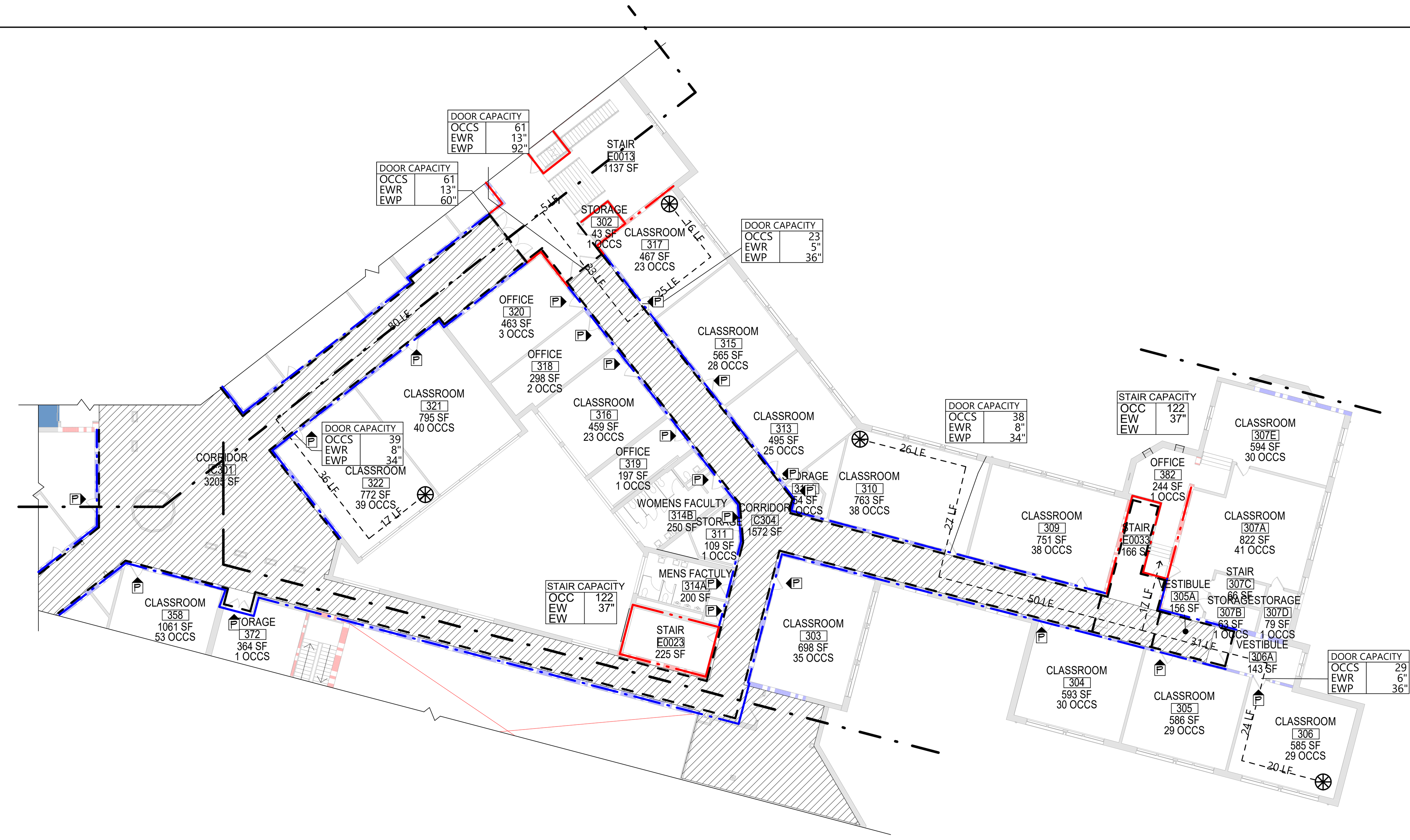
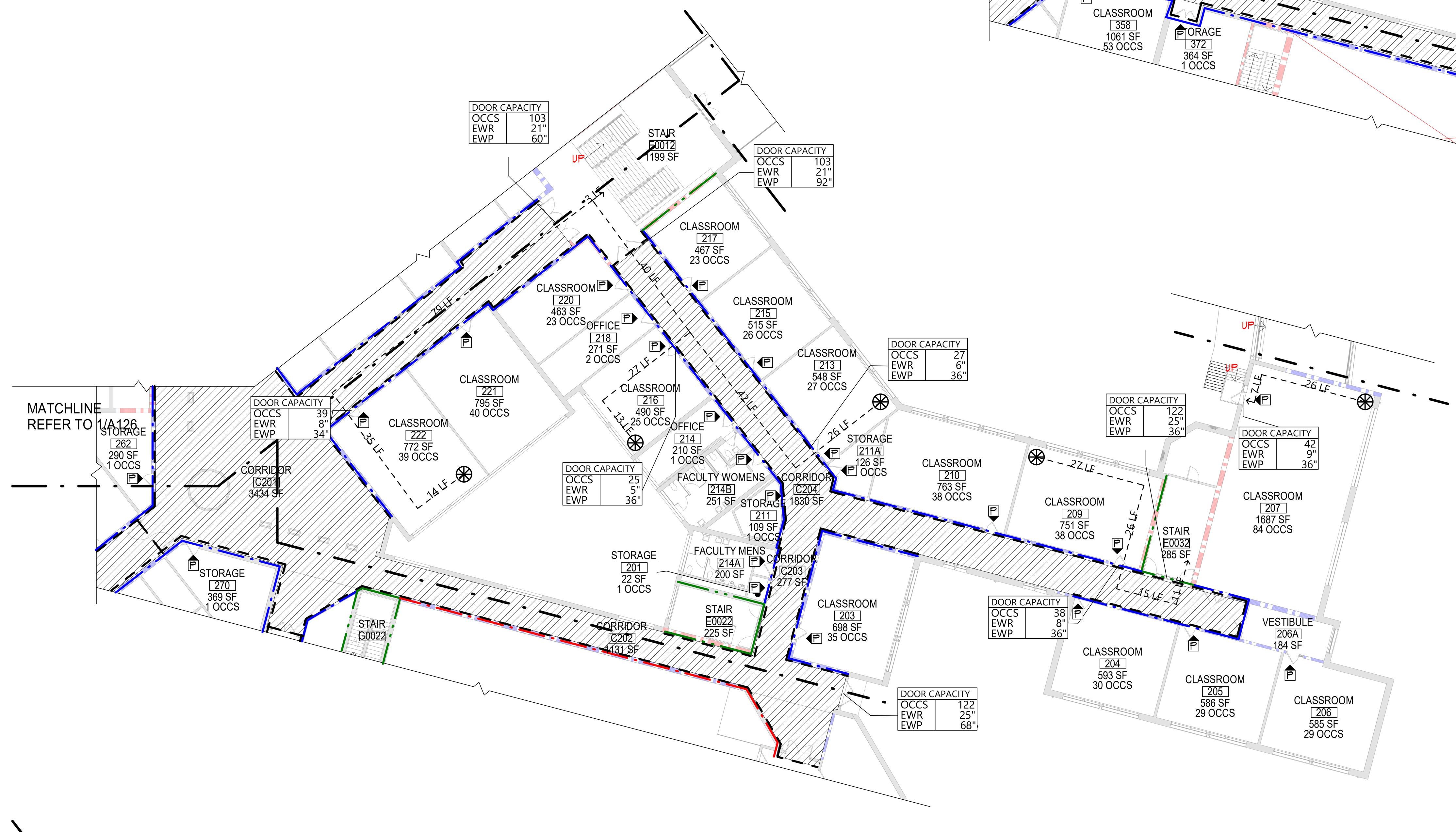


2 ph1-AREA 'E' 3RD FLOOR LIFE SAFETY PLAN
LS151 1" = 20'-0"



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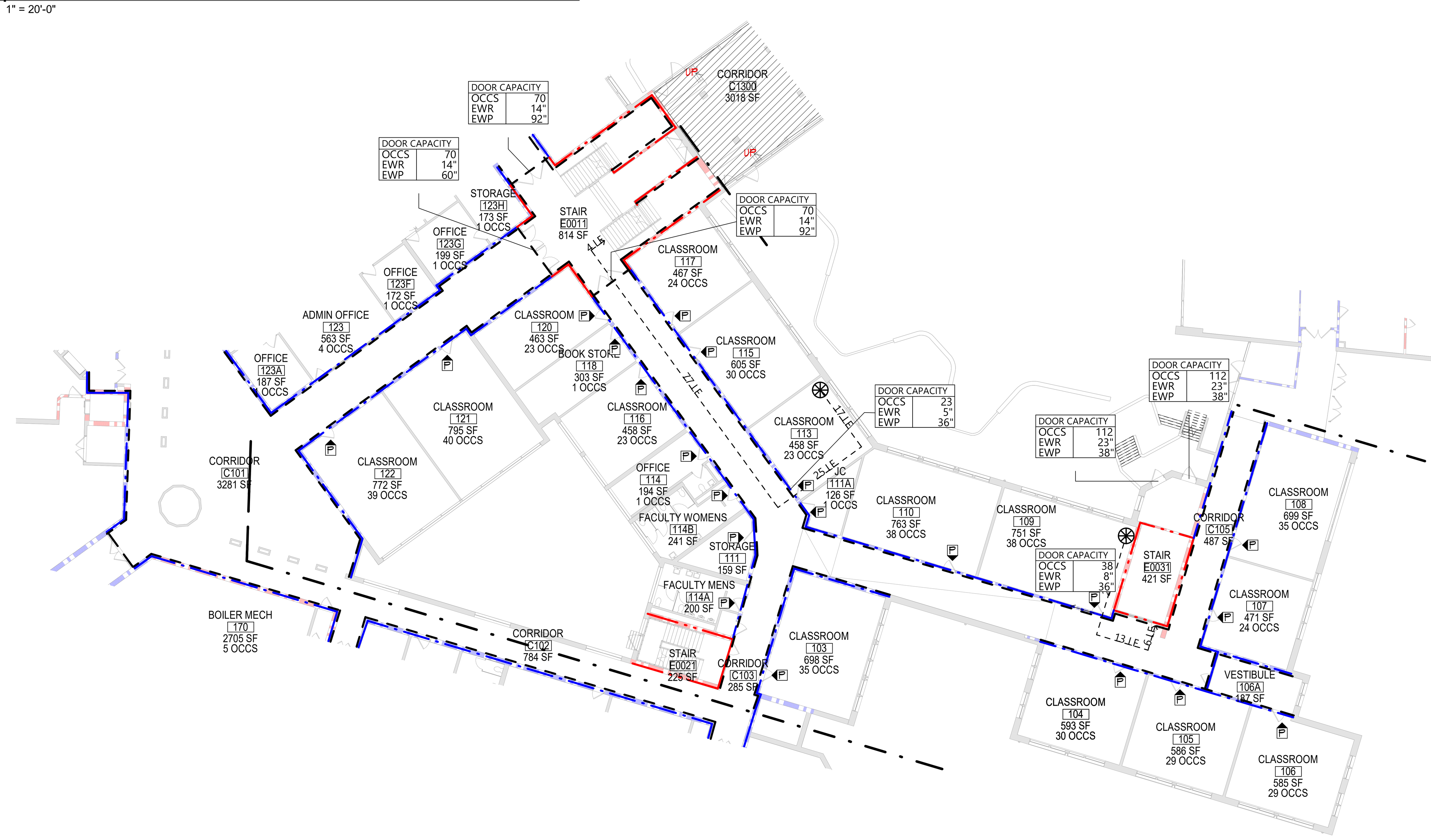

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CODE NARRATIVE:

1924 ORIGINAL CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 46,759 SF GROSS
SECOND FLOOR AREA: 44,000 SF GROSS
THIRD FLOOR AREA: 44,282 SF GROSS
CURRENT USE: EDUCATION (E)

1959 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 50,973 SF GROSS
SECOND FLOOR AREA: 51,200 SF GROSS
THIRD FLOOR AREA: 8,868 SF GROSS
CURRENT USE: EDUCATION (E)

1967 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 71,542 SF GROSS
SECOND FLOOR AREA: 38,062 SF GROSS
THIRD FLOOR AREA: 5,413 SF GROSS
CURRENT USE: EDUCATION (E)

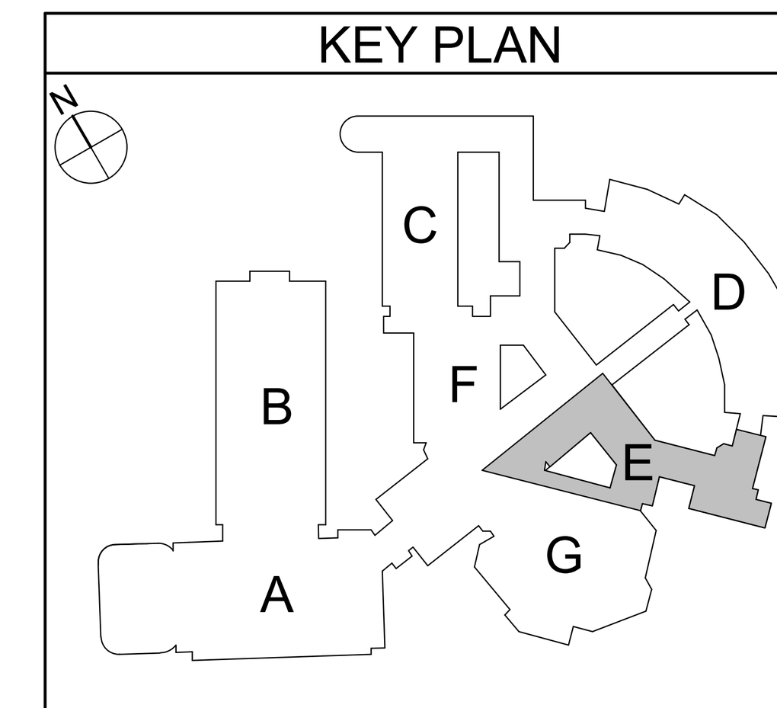
1970 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 20,521 SF GROSS
SECOND FLOOR AREA: 23,419 SF GROSS
THIRD FLOOR AREA: 16,400 SF GROSS
CURRENT USE: EDUCATION (E)

2003 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 50,000 SF GROSS
SECOND FLOOR AREA: 45,000 SF GROSS
CURRENT USE: EDUCATION (E)

CLASSIFICATION OF WORK:

LEVEL 2 ALTERATION 26,985 SF
LEVEL 1 ALTERATION XXX SF

KEY PLAN



FIRE AREA MODIFICATIONS (NYS SECTION 506)	
A_a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A_t	TABULAR ALLOWABLE AREA FACTOR (NS,S1,S13R OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)
I_f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING
S_a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2
L_n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL
W_n	WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
P	PERIMETER OF ENTIRE BUILDING (FEET)

I_f = [F/P - 0.25]W/30	A_a = A_t+(NS x I_f)
I_f = [100/XX - 0.25] XX/30	A_a = XXX+(XXX x 0.XX)
I_f = [0.XX] 1.00	A_a = XXX+(XXX)
I_f = XX%	A_a = XXX sq ft

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/OUT FIXED SEATS	
CONCENTRATED	7 NET
UNCONCENTRATED	15 NET
BUISNESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

STRUCTURAL LOAD

RISK CATAGORY: III	
DEAD LOADS:	
CONCRETE SLAB	XXX PSF
LIVE LOADS:	
SLAB	XXX PSF
RAIN LOADS:	
15-MINUTE RAINFALL INTENSITY	X.XX IN./H
60-MINUTE RAINFALL INTENSITY	X.XX IN./H
SNOW LOADS:	
GROUND SNOW LOAD	XX PSF
FLAT ROOF SNOW LOAD	XX.X PSF
SLOPED ROOF SNOW LOAD	XXX
WIND LOADS:	
ULTIMATE WIND SPEED	XXX MPH
EXPOSURE CATEGORY	X
SEISMIC DESIGN DATA:	
SITE CLASS	X
SEISMIC DESIGN CATEGORY	X

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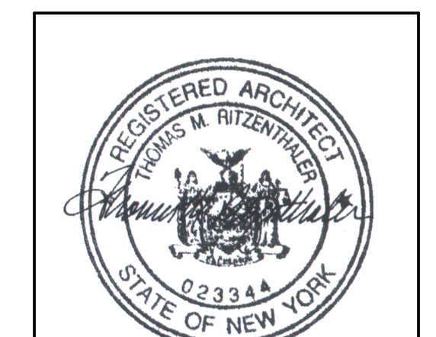
Consultant

Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1



Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	Author
Checked By:	Checker
Proj. #:	66-11-00-01-0-001-030
CSArch Proj. #:	188-2301.01
Issued for Bid:	10/14/2024

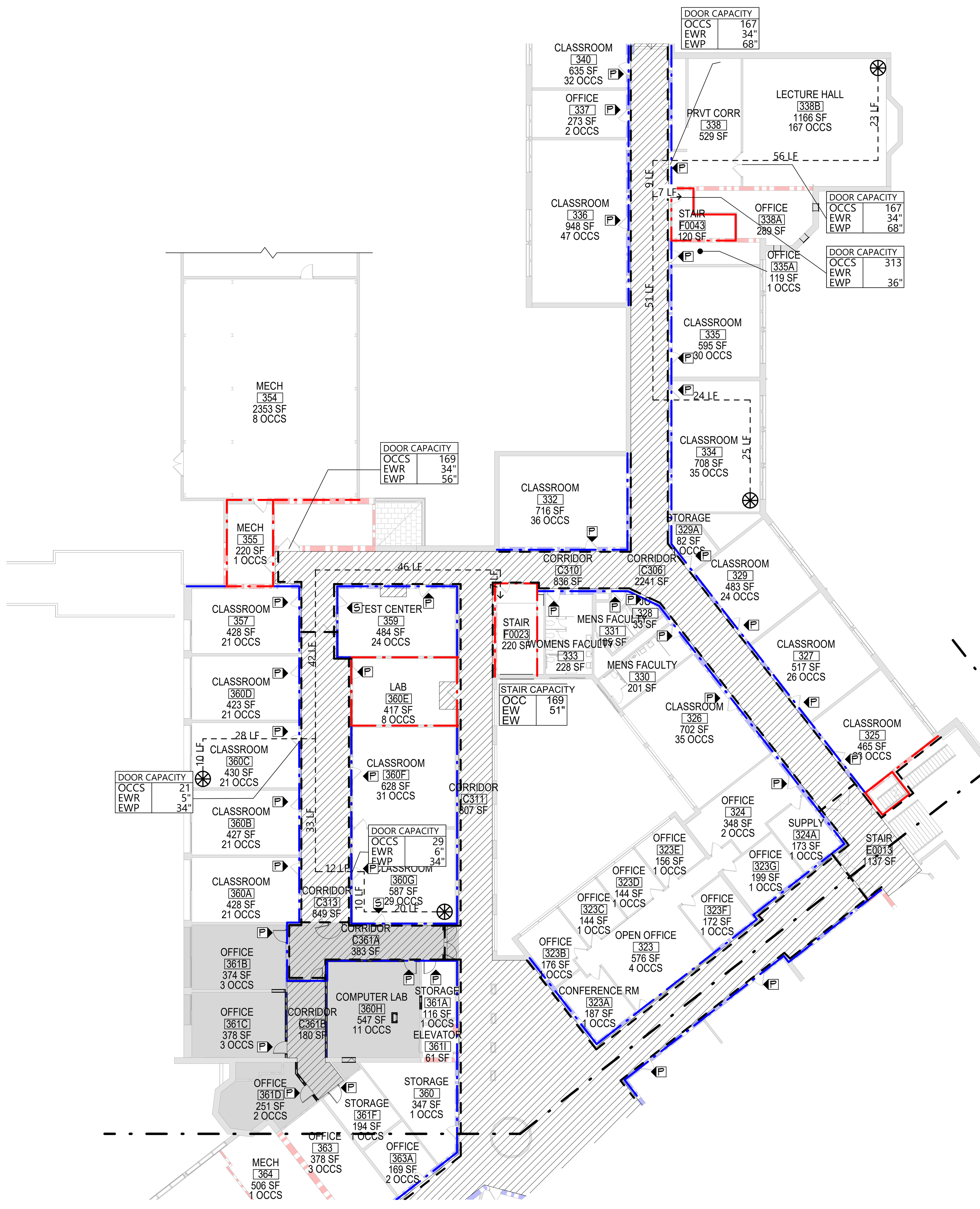
Sheet Title

AREA 'E' ALL FLOORS LIFE SAFETY PLAN

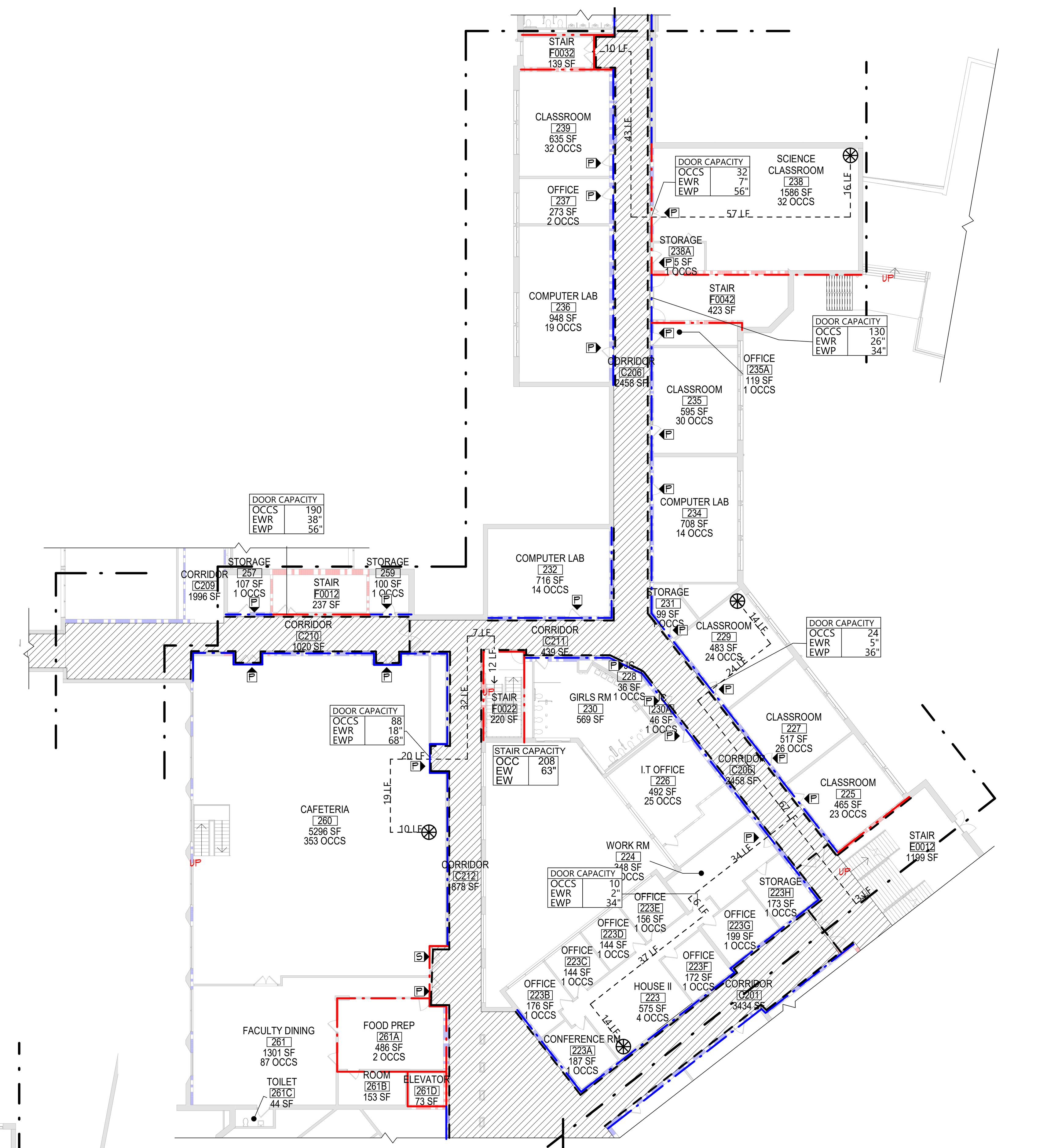
Sheet No.

NRHS LS151

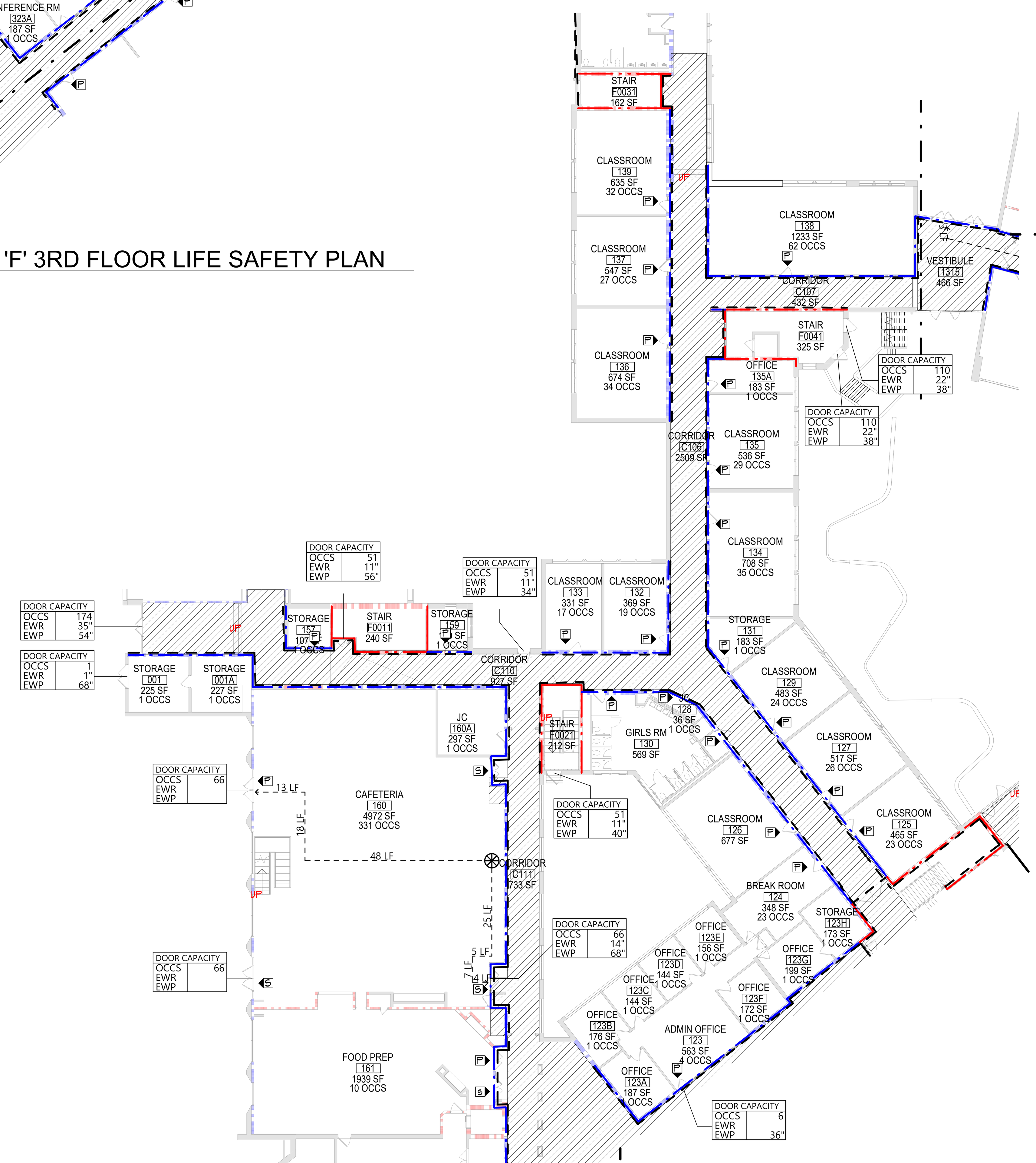
CONSTRUCTION DOCUMENTS



2 ph1-AREA 'F' 3RD FLOOR LIFE SAFETY PLAN
LS161 1" = 20'-0"



1 ph1-AREA 'F' 2ND FLOOR LIFE SAFETY PLAN
LS161 1" = 20'-0"



3 ph1-AREA 'F' 1ST FLOOR LIFE SAFETY PLAN
LS161 1" = 20'-0"

LIFE SAFETY PLAN LEGEND

- P ▷ PRIMARY EXIT
- S ▷ SECONDARY EXIT
- R ▷ RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- ## OCCS (## OCCS) — NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- DOOR CAPACITY / OCCS / EWR / EWP — REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- STAIR CAPACITY / OCCS / EWR / EWP — REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
- EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
- EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- DF DRINKING FOUNTAIN
- ESE EMERGENCY EYEWASH STATION
- FE FIRE EXTINGUISHER, WALL MOUNT
- FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES

- SMOKE BARRIER
- CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND

- 1 HOUR RATED FIRE PARTITION
- 1 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE BARRIER
- 2 HOUR RATED FIRE WALL

CODE NARRATIVE:

1924 ORIGINAL CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 46,759 SF GROSS
SECOND FLOOR AREA: 44,000 SF GROSS
THIRD FLOOR AREA: 44,282 SF GROSS
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CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 71,542 SF GROSS
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CURRENT USE: EDUCATION (E)

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CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 20,521 SF GROSS
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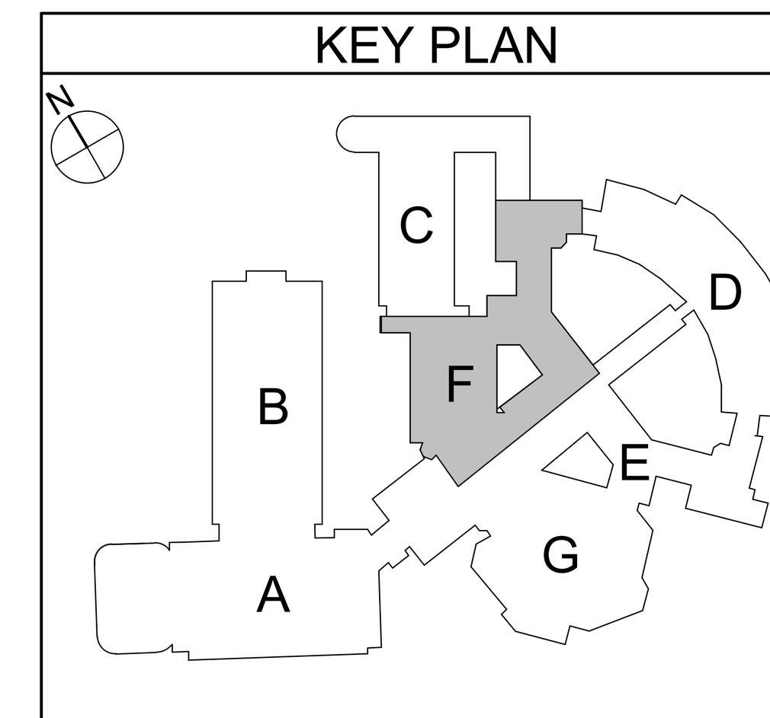
THIRD FLOOR AREA: 16,400 SF GROSS
CURRENT USE: EDUCATION (E)

2003 CONSTRUCTION:
CONSTRUCTION TYPE: 2B W/OUT SPRINKLERS
FIRST FLOOR AREA: 50,000 SF GROSS
SECOND FLOOR AREA: 45,000 SF GROSS
CURRENT USE: EDUCATION (E)

CLASSIFICATION OF WORK:

- LEVEL 2 ALTERATION 26,985 SF
- LEVEL 1 ALTERATION XXX SF

KEY PLAN



FIRE AREA MODIFICATIONS (NYS SECTION 506)	
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A_t	TABULAR ALLOWABLE AREA FACTOR (NS,S1,S13R OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)
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$I_f = [F/P - 0.25]W/30$
$I_f = [100/XX - 0.25]\ XX/30$
$I_f = [0.XX]\ 1.00$
$I_f = XX\%$

$A_a = A_t + (NS \times I_f)$
$A_a = XXX + (XXX \times 0.XX)$
$A_a = XXX + (XXX)$
$A_a = XXX$ sq ft

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/OUT FIXED SEATS	
CONCENTRATED	7 NET
UNCONCENTRATED	15 NET
BUISNESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

STRUCTURAL LOAD

RISK CATAGORY: III	
DEAD LOADS:	
CONCRETE SLAB	XXX PSF
LIVE LOADS:	
SLAB	XXX PSF
RAIN LOADS:	
15-MINUTE RAINFALL INTENSITY	X.XX IN./H
60-MINUTE RAINFALL INTENSITY	X.XX IN./H
SNOW LOADS:	
GROUND SNOW LOAD	XX PSF
FLAT ROOF SNOW LOAD	XX.X PSF
SLOPED ROOF SNOW LOAD	XXX
WIND LOADS:	
ULTIMATE WIND SPEED	XXX MPH
EXPOSURE CATEGORY	X
SEISMIC DESIGN DATA:	
SITE CLASS	X
SEISMIC DESIGN CATEGORY	X

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Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK
Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	Author
Checked By:	Checker
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CSArch Proj. #:	188-2301.01
Issued for Bid:	10/14/2024

Sheet Title

AREA 'F' ALL FLOORS LIFE SAFETY PLANS

Sheet No.

NRHS LS161

CONSTRUCTION DOCUMENTS

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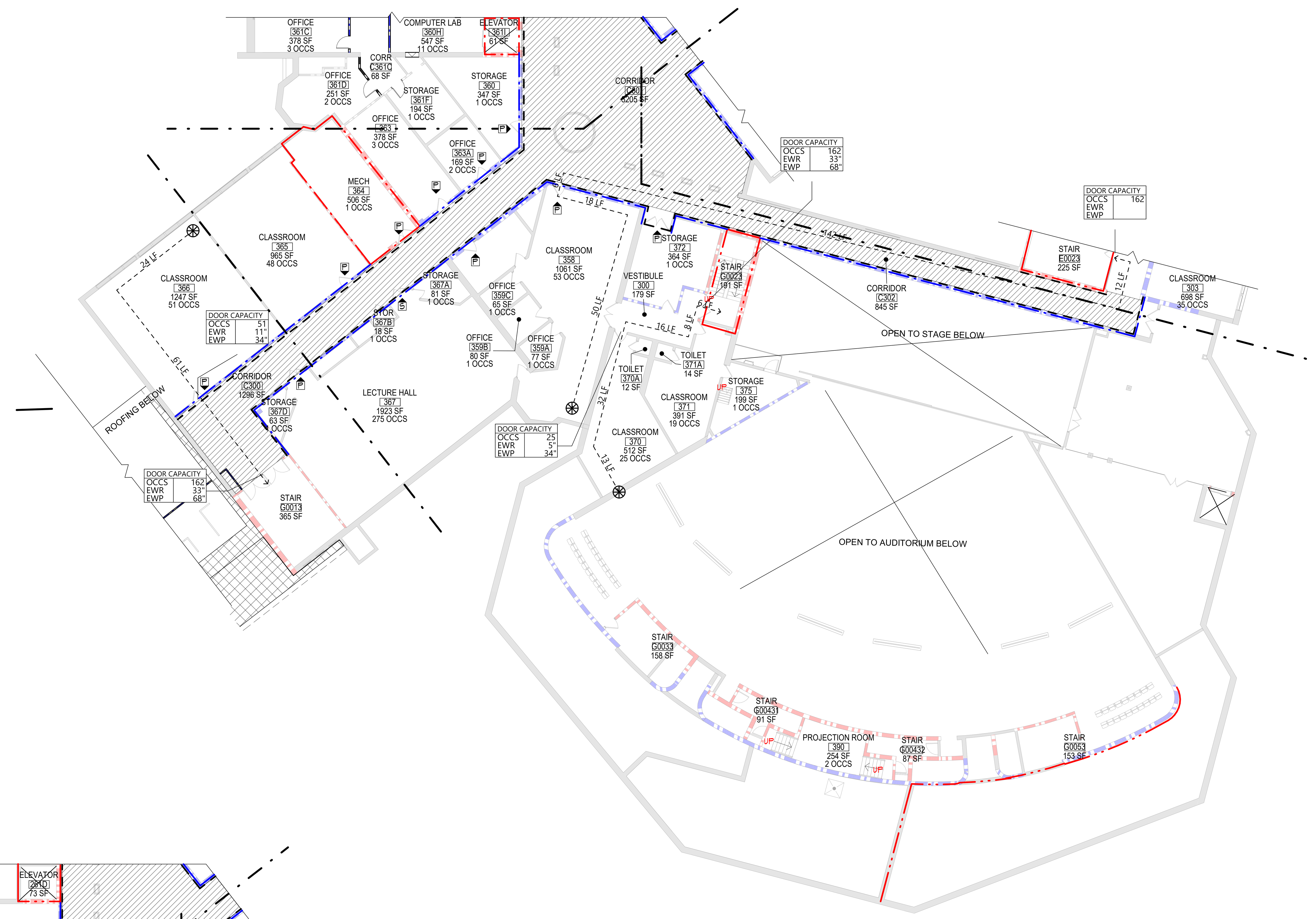
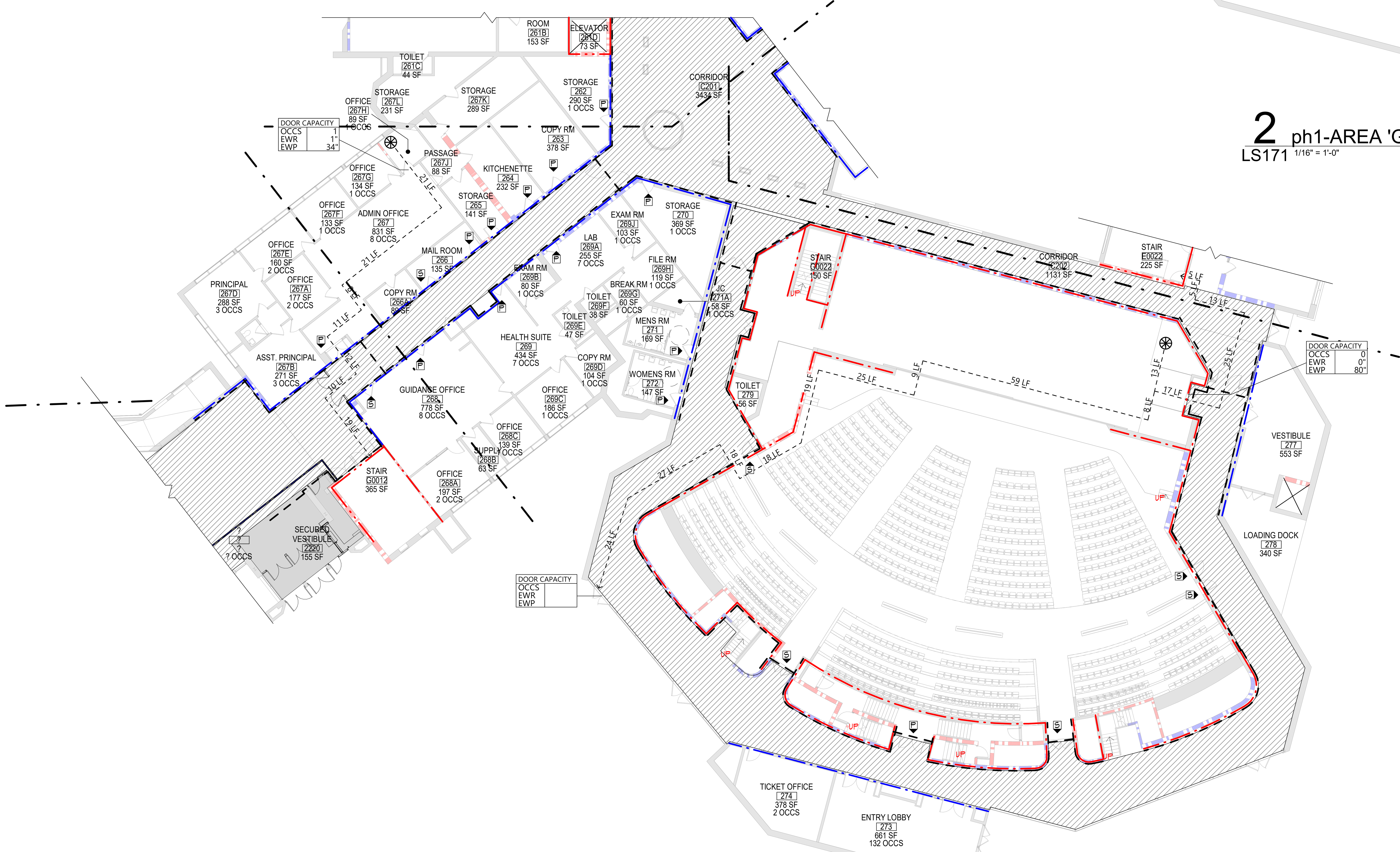


2 ph1-AREA 'G' 3RD FLOOR LIFE SAFETY PLAN
LS171 1/16" = 1'-0"



1 ph1-AREA 'G' 2ND FLOOR LIFE SAFETY PLAN
LS171 1/16" = 1'-0"

C:\Users\rcollura\Documents\188-2301.00_NEW_ROCHELLE_HS_rcolluraXYARE.rvt

LIFE SAFETY PLAN LEGEND

P	PRIMARY EXIT
S	SECONDARY EXIT
R	RESCUE WINDOW (SECONDARY EXIT)
	ACCESSIBLE EXIT
	RESCUE ASSISTANCE STATION/AREA OF REFUGE
## OCCS (## OCCS)	NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
DOOR CAPACITY OCCS - EWR - EWP -	REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
STAIR CAPACITY OCCS - EWR - EWP -	REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
	EXIT PATH OF TRAVEL (START - END)
	EXIT SIGN, WALL MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.
	EXIT SIGN, CEILING MOUNTED, ILLUMINATED FACE INDICATED BY SHADING, ARROW INDICATES DIRECTIONAL ARROW REQUIRED.

ABBREVIATIONS

- AED AUTOMATED EXTERNAL DEFIBRILLATOR
- DF DRINKING FOUNTAIN
- ESE EMERGENCY EYEWASH STATION
- FE FIRE EXTINGUISHER, WALL MOUNT
- FEC FIRE EXTINGUISHER CABINET

SMOKE SEPARATION NOTES

SMOKE BARRIER

CORRIDOR, ENCLOSED WITH SMOKE PARTITIONS - NO COMMUNICATING MECHANICAL AIR BETWEEN CORRIDOR AND ADJACENT SPACES.

FIRE SEPARATION LEGEND

1 HOUR RATED FIRE PARTITION

1 HOUR RATED FIRE BARRIER

2 HOUR RATED FIRE BARRIER

2 HOUR RATED FIRE WALL

CODE NARRATIVE:

1924 ORIGINAL CONSTRUCTION:

CONSTRUCTION TYPE:	2B W/OUT SPRINKLERS
FIRST FLOOR AREA:	46,759 SF GROSS
SECOND FLOOR AREA:	44,000 SF GROSS
THIRD FLOOR AREA:	44,282 SF GROSS
CURRENT USE:	EDUCATION (E)

1959 CONSTRUCTION:

CONSTRUCTION TYPE:	2B W/OUT SPRINKLERS
FIRST FLOOR AREA:	50,973 SF GROSS
SECOND FLOOR AREA:	51,200 SF GROSS
THIRD FLOOR AREA:	8,868 SF GROSS
CURRENT USE:	EDUCATION (E)

1967 CONSTRUCTION:

CONSTRUCTION TYPE:	2B W/OUT SPRINKLERS
FIRST FLOOR AREA:	71,542 SF GROSS
SECOND FLOOR AREA:	38,062 SF GROSS
THIRD FLOOR AREA:	5,413 SF GROSS
CURRENT USE:	EDUCATION (E)

1970 CONSTRUCTION:

CONSTRUCTION TYPE:	2B W/OUT SPRINKLERS
FIRST FLOOR AREA:	20,521 SF GROSS
SECOND FLOOR AREA:	23,419 SF GROSS
THIRD FLOOR AREA:	16,400 SF GROSS
CURRENT USE:	EDUCATION (E)

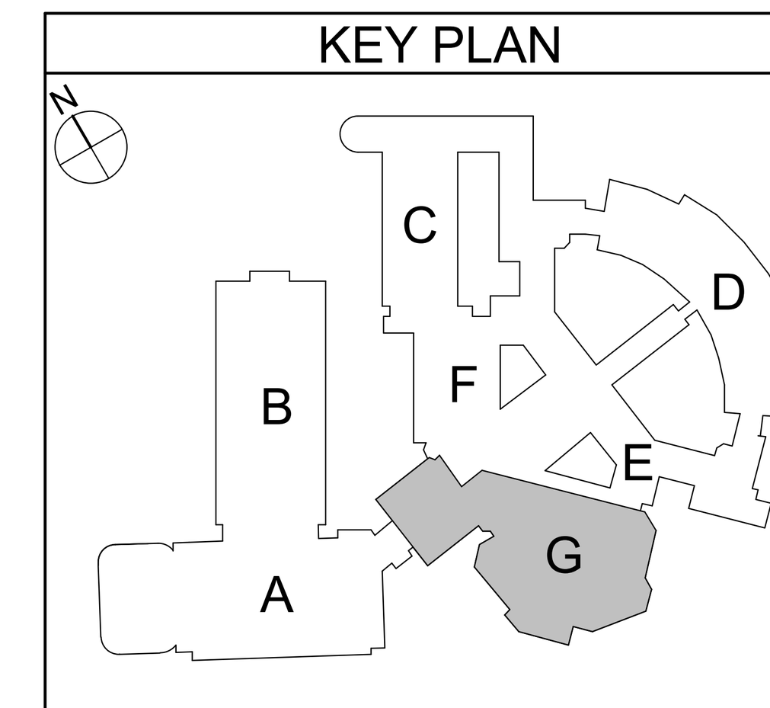
2003 CONSTRUCTION:

CONSTRUCTION TYPE:	2B W/OUT SPRINKLERS
FIRST FLOOR AREA:	50,000 SF GROSS
SECOND FLOOR AREA:	45,000 SF GROSS
CURRENT USE:	EDUCATION (E)

CLASSIFICATION OF WORK:

LEVEL 2 ALTERATION
26,985 SF
LEVEL 1 ALTERATION
XXX SF

KEY PLAN



FIRE AREA MODIFICATIONS (NYS SECTION 506)	
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I_f = [F/P - 0.25]W/30
I_f = [100/XX - 0.25] XX/30
I_f = [0.XX] 1.00
I_f = XX%

$A_a = A_t + (NS \times I_f)$
A_a = XXX+(XXX x 0.XX)
A_a = XXX+(XXX)
A_a = XXX sq ft

OCCUPANT LOAD

ACCESSORY STORAGE AREA, MECH. ROOM	300 GROSS
ASSEMBLY W/ FIXED SEATS	SECT. 1004.6
ASSEMBLY W/OUT FIXED SEATS	
CONCENTRATED	7 NET
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STRUCTURAL LOAD

RISK CATAGORY: III	
DEAD LOADS:	
CONCRETE SLAB	XXX PSF
LIVE LOADS:	
SLAB	XXX PSF
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SNOW LOADS:	
GROUND SNOW LOAD	XX PSF
FLAT ROOF SNOW LOAD	XX.X PSF
SLOPED ROOF SNOW LOAD	XXX
WIND LOADS:	
ULTIMATE WIND SPEED	XXX MPH
EXPOSURE CATEGORY	X
SEISMIC DESIGN DATA:	
SITE CLASS	X
SEISMIC DESIGN CATEGORY	X

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Consultant

Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK

Expiration Date: 02/28/2025

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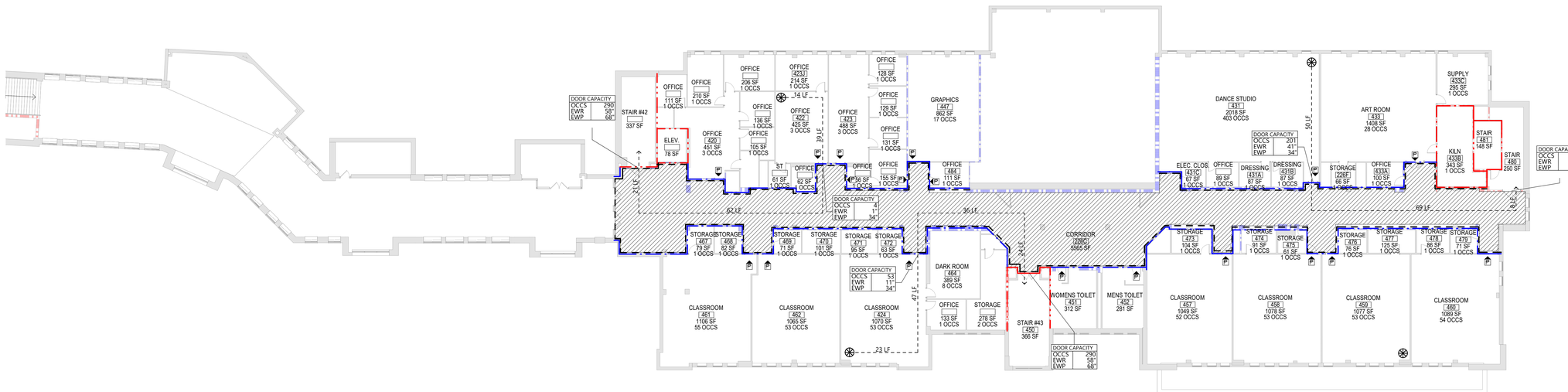
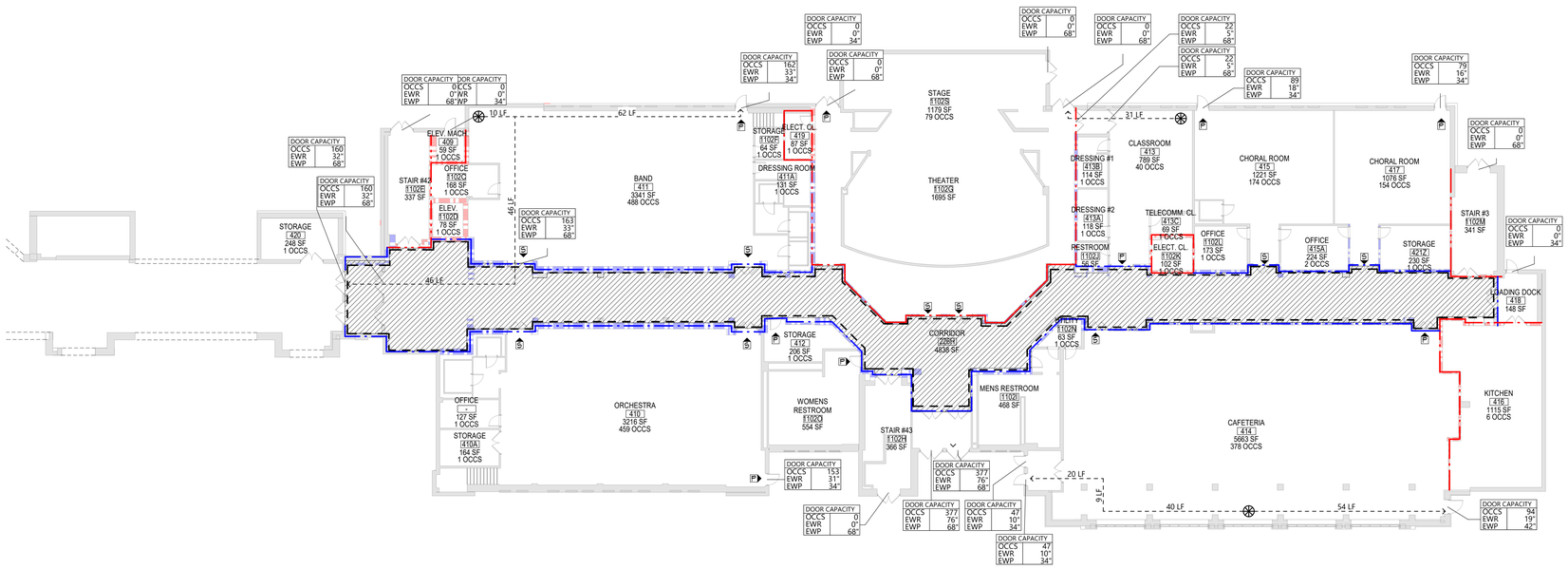
Sheet Title
AREA 'G' SECOND AND THIRD FLOOR LIFE SAFETY PLAN

Sheet No.
NRHS LS171

CONSTRUCTION DOCUMENTS



2 ph1-AREA 'H' 2ND FLOOR LIFE SAFETY PLAN
LS181 1/16" = 1'-0"



1 HOUSE 4 FIRST FLOOR PLAN
LS181 1/16" = 1'-0"

LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
- RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- ## OCCS (## OCCS): NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
- DOOR CAPACITY OCCS # EWR # EWP #: REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
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- EXIT PATH OF TRAVEL (START - END)
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ABBREVIATIONS

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- DF DRINKING FOUNTAIN
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- SMOKE BARRIER
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- 1 HOUR RATED FIRE PARTITION
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SECOND FLOOR AREA: 45,000 SF GROSS
CURRENT USE: EDUCATION (E)

CLASSIFICATION OF WORK:
LEVEL 2 ALTERATION
LEVEL 1 ALTERATION
XXX SF

OCCUPANT LOAD

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ASSEMBLY W/ FIXED SEATS	SECT. 1004.8
ASSEMBLY W/OUT FIXED SEATS	
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UNCONCENTRATED	15 NET
BUSINESS AREAS	150 GROSS
CLASSROOM AREAS	20 NET
VOCATIONAL ROOM AREAS	50 NET
LOCKER ROOMS	50 GROSS
EXERCISE ROOMS	50 GROSS
KITCHENS, COMMERCIAL	200 GROSS
READING ROOMS	50 GROSS
STAGES AND PLATFORMS	15 NET

STRUCTURAL LOAD

RISK CATAGORY:	III
DEAD LOADS:	
CONCRETE SLAB	xxx PSF
LIVE LOADS:	
SLAB	xxx PSF
RAIN LOADS:	
15-MINUTE RAINFALL INTENSITY	xxx IN./H
60-MINUTE RAINFALL INTENSITY	xxx IN./H
SNOW LOADS:	
GROUND SNOW LOAD	xx PSF
FLAT ROOF SNOW LOAD	xxx PSF
SLOPED ROOF SNOW LOAD	xxx
WIND LOADS:	
ULTIMATE WIND SPEED	xxx MPH
EXPOSURE CATEGORY	x
SEISMIC DESIGN DATA:	
SITE CLASS	x
SEISMIC DESIGN CATEGORY	x

FIRE AREA MODIFICATIONS (NYS SECTION 506)

A_a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)
A_t	TABULAR ALLOWABLE AREA FACTOR (NS,S1,S13R OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)
I_f	AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING
S_a	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2
L_n	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL
W_n	WIDTH (≥ 20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
P	PERIMETER OF ENTIRE BUILDING (FEET)

$I_f = [F/P - 0.25]W/30$
$I_f = [100/XX - 0.25] XX/30$
$I_f = [0.XX] 1.00$
$I_f = XX\%$

$A_a = A_t + (NS \times I_f)$
$A_a = XXX + (XXX \times 0.XX)$
$A_a = XXX + (XXX)$
$A_a = XXX$ sq ft

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

REGISTERED ARCHITECT JOSEPH M. RITZENTHALER 023344 STATE OF NEW YORK

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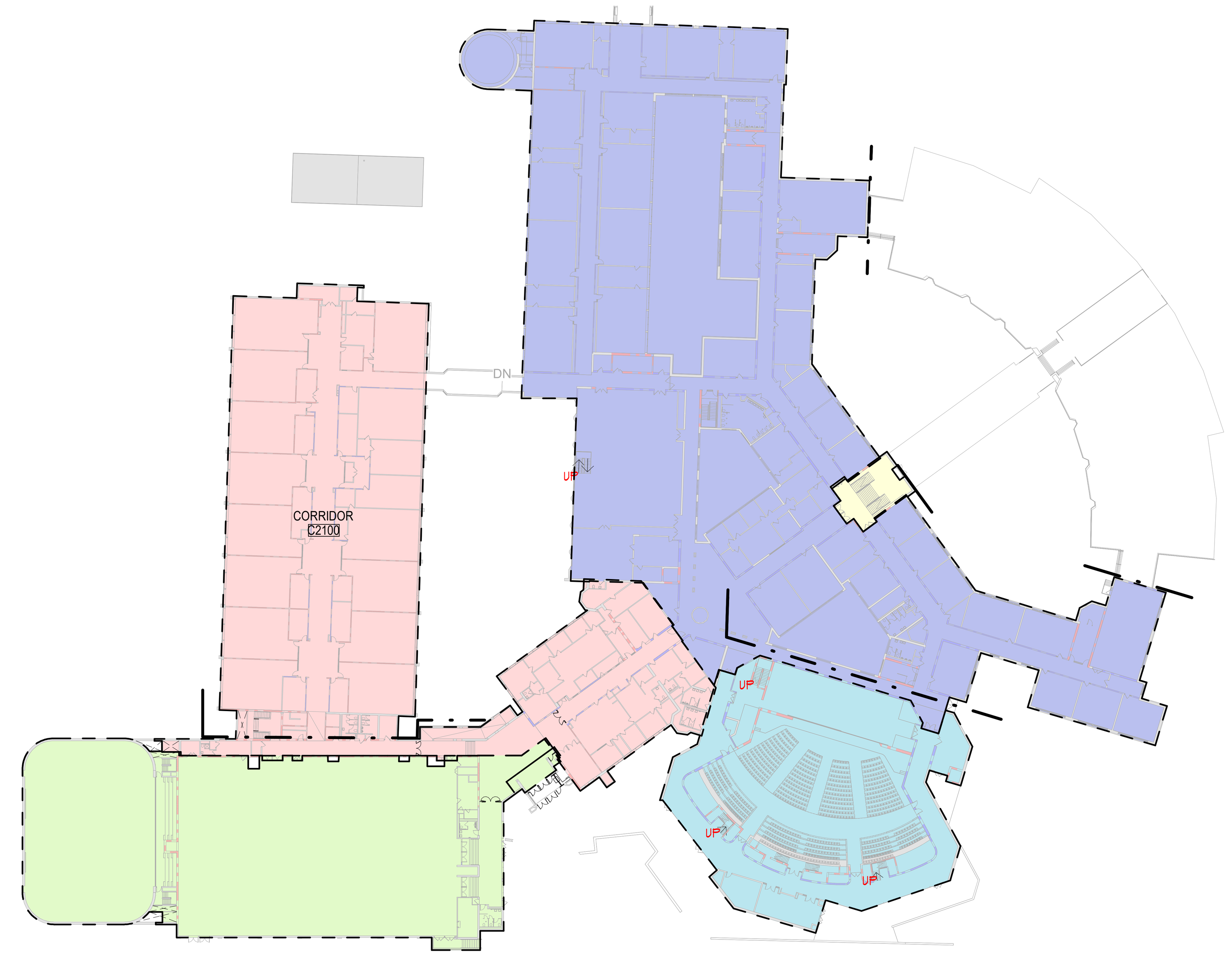
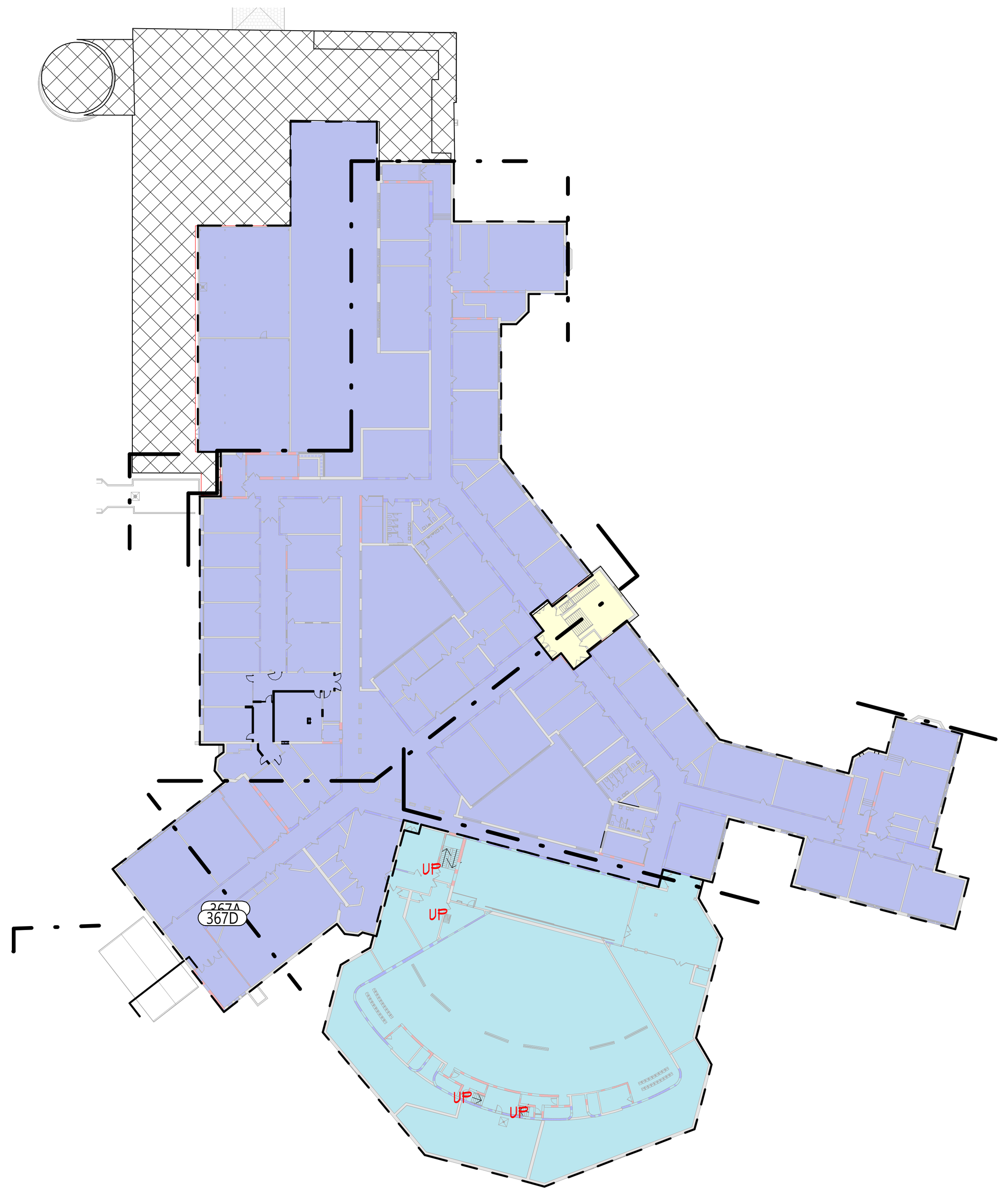
Sheet Title
AREA 'H' FIRST AND SECOND FLOOR LIFE SAFETY PLAN

Sheet No.
NRHS
LS181

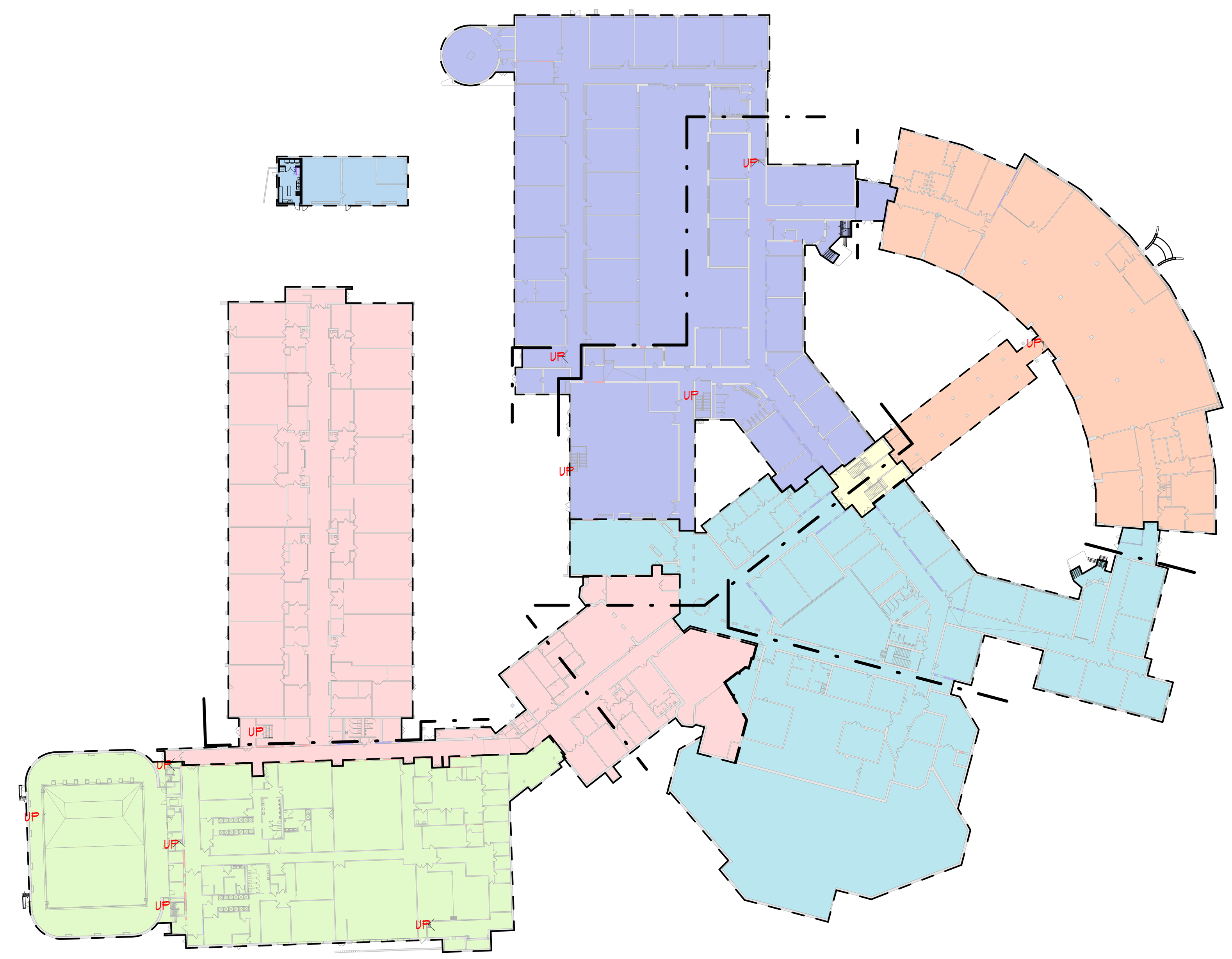
CONSTRUCTION DOCUMENTS



2 ph1-SMOKE ZONE SECOND FLOOR PLAN
LS191 1" = 60'-0"



3 ph1-SMOKE ZONE THIRD FLOOR PLAN
LS191 1" = 60'-0"



1 OVERALL FIRST FLOOR PLAN
LS191 1" = 60'-0"

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Sheet Title

SMOKE ZONE PLANS

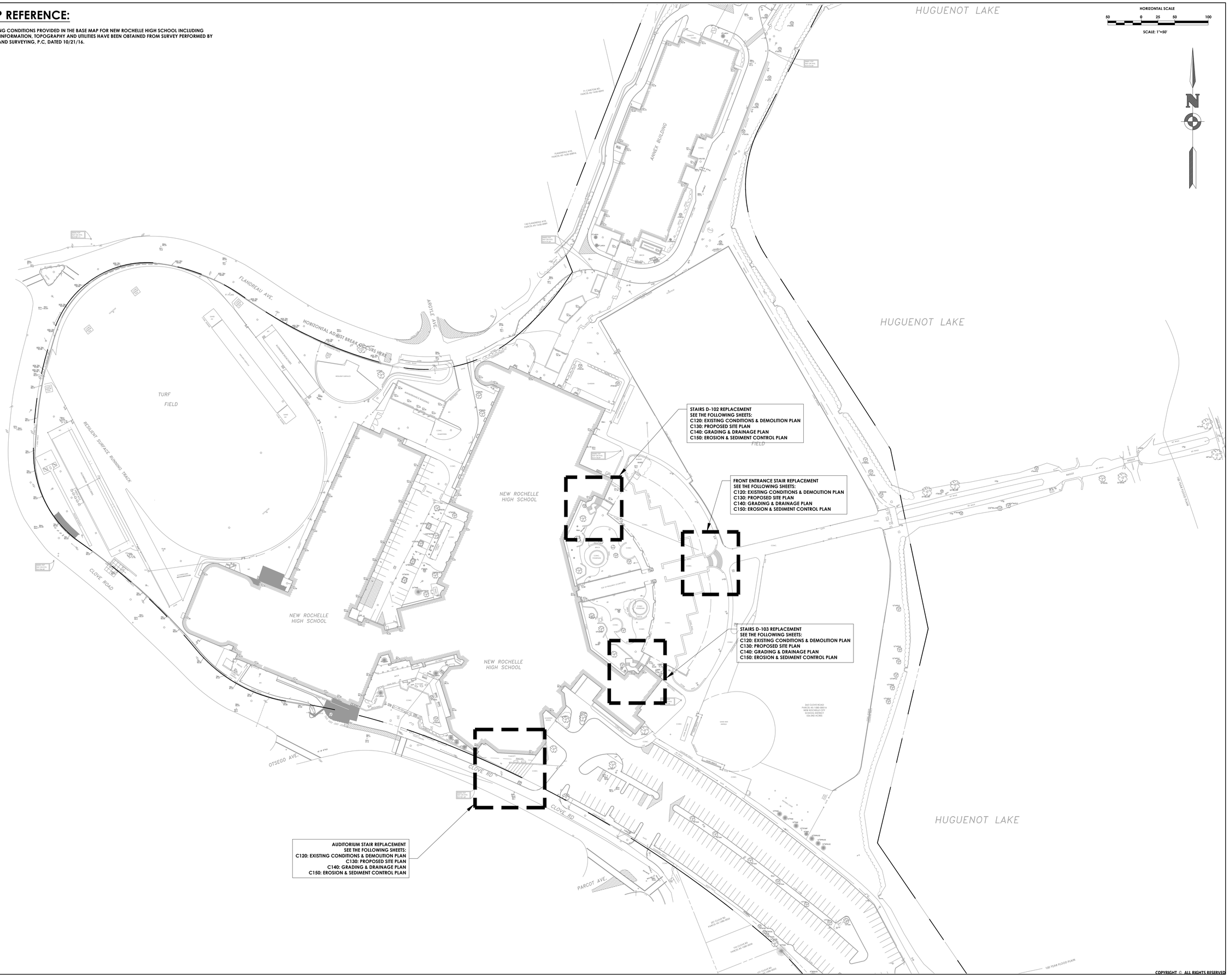
Sheet No.

NRHS LS191

CONSTRUCTION DOCUMENTS

MAP REFERENCE:

ALL EXISTING CONDITIONS PROVIDED IN THE BASE MAP FOR NEW ROCHELLE HIGH SCHOOL INCLUDING PROPERTY INFORMATION, TOPOGRAPHY AND UTILITIES HAVE BEEN OBTAINED FROM SURVEY PERFORMED BY BOLTON LAND SURVEYING, P.C. DATED 10/21/16.



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
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Project Title

STATE OF NEW YORK · CHRISTOPHER J. LAWSON · 102593 · LICENSED PROFESSIONAL ENGINEER

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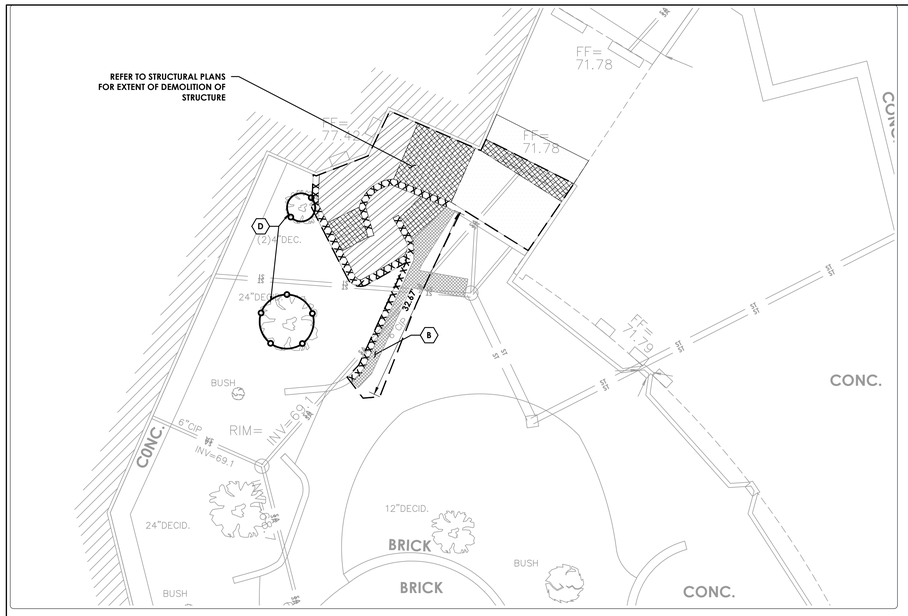
Sheet Title

KEY PLAN

Sheet No.

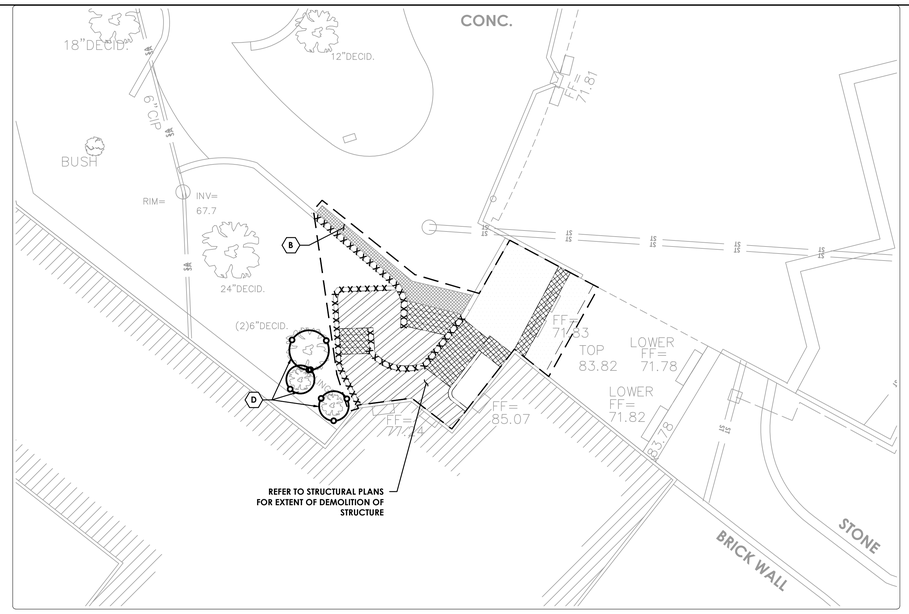
NRHS
C100

CONSTRUCTION DOCUMENTS



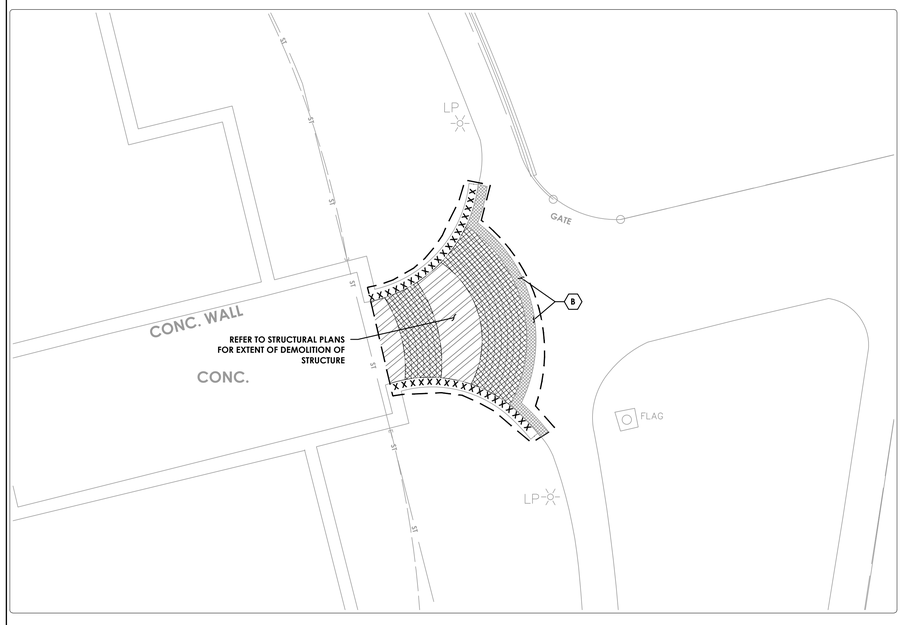
1 EXISTING CONDITIONS & DEMOLITION PLAN FOR D-102 STAIRS

SCALE: 1"=10'



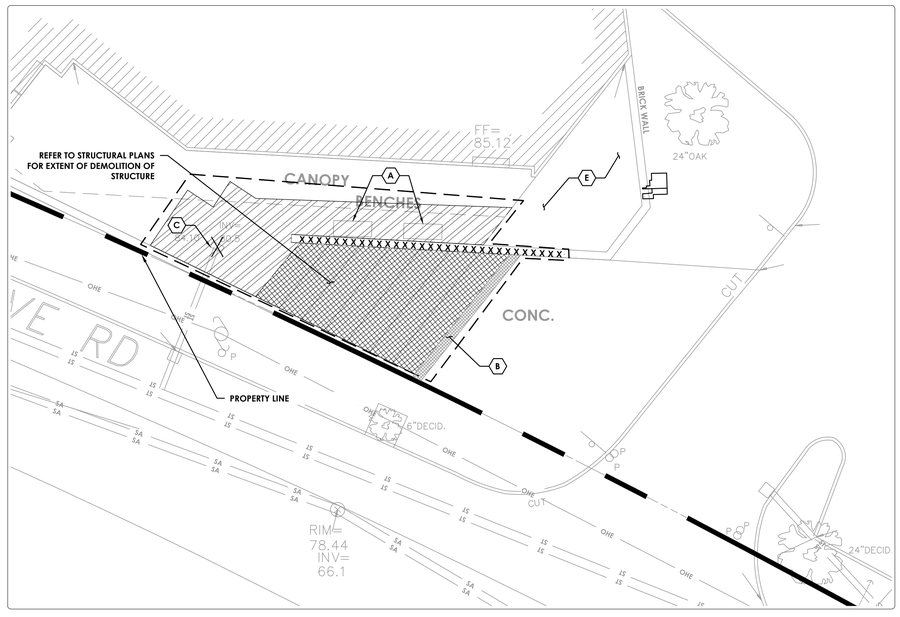
2 EXISTING CONDITIONS & DEMOLITION PLAN FOR D-103 STAIRS

SCALE: 1"=10'



3 EXISTING CONDITIONS & DEMOLITION PLAN FOR FRONT ENTRANCE STAIRS

SCALE: 1"=10'



4 EXISTING CONDITIONS & DEMOLITION PLAN FOR AUDITORIUM STAIRS

SCALE: 1"=10'

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LEGEND:

- PROPERTY BOUNDARY
- EXISTING BUILDING
- EXISTING FEATURE TO BE REMOVED
- EXISTING FEATURE TO BE REMOVED
- LIMITS OF DISTURBANCE
- TREE PROTECTION

HORIZONTAL SCALE
10 0 5 10 20
SCALE: 1"=10'

N

MAP REFERENCE:

ALL EXISTING CONDITIONS PROVIDED IN THE BASE MAP FOR NEW ROCHELLE HIGH SCHOOL INCLUDING PROPERTY INFORMATION, TOPOGRAPHY AND UTILITIES HAVE BEEN OBTAINED FROM SURVEY PERFORMED BY BOLTON LAND SURVEYING, P.C, DATED 10/21/16.

DEMOLITION KEY:

- A REMOVE, STORE AND PROTECT EXISTING BENCH UNTIL REINSTALLATION.
- B SACRIFICIAL CONCRETE SIDEWALK - REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK AND ASSOCIATED SUBBASE TO THE NEAREST JOINT AND DEPTH AS NEEDED FOR PROPOSED INSTALLATION.
- C EXISTING STORM SEWER STRUCTURE TO BE REMOVED.
- D PROTECT EXISTING TREE.
- E EXISTING LANDSCAPE AREA TO BE PROTECTED

DEMOLITION NOTES:

1. SECURITY PROVIDE, INSTALL AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES.
2. UDIG GENERAL SITE CONTRACTOR IS RESPONSIBLE TO CALL DIG SAFE PRIOR TO BEGINNING DEMOLITION.
3. VERIFICATION SITE CONTRACTOR TO VERIFY VERTICAL AND HORIZONTAL LOCATION OF ALL UTILITIES WITHIN THE WORK AREA OR THOSE EXPECTED TO BE AFFECTED BY NEW WORK, AND SUBSURFACE FEATURES. THE SITE CONTRACTOR MUST BRING ANY ISSUES TO THE DESIGN ENGINEER AND OBTAIN WRITTEN APPROVAL FROM THE OWNER'S ONSITE REPRESENTATIVE UPON COMPLETION OF VERIFICATION PRIOR TO THE START OF DEMOLITION OR CONSTRUCTION.
4. RECORD MAP - DURING REMOVAL/DEMOLITION PROCESS THE SITE CONTRACTOR SHALL OBTAIN DETAILED RECORD INFORMATION TO ACCURATELY LOCATE ALL EXISTING UNDERGROUND UTILITIES ENCOUNTERED. THIS INFORMATION SHALL BE INCLUDED ON THE RECORD/AS-BUILT MAPS TO BE SUPPLIED BY THE SITE CONTRACTOR TO THE OWNER.
5. SHUTDOWNS SITE CONTRACTOR TO COORDINATE ALL UTILITY SHUT DOWNS, RELOCATIONS, SERVICE INSTALLATIONS WITH THE OWNER AND LOCAL UTILITY COMPANIES.
6. COORDINATION SITE CONTRACTOR SHALL COORDINATE THE REMOVAL OF DEMOLISHED MATERIAL WITH THE OWNER'S REPRESENTATIVE SITE FURNISHINGS AND MATERIAL DETERMINED TO TO BE REMOVED SHALL BE REMOVED AND EXPORTED OFFSITE IN A LEGAL MANNER AND IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
7. PROTECT ALL EXISTING FEATURES TO REMAIN. DAMAGE TO EXISTING ASPHALT, LAWN AND OTHER FEATURES TO REMAIN SHALL BE REPAIRED AT THE SITE CONTRACTOR'S EXPENSE.
8. DISTURBANCE ALL SURFACES THAT ARE DISTURBED DUE TO UTILITY CONSTRUCTION, OUTSIDE OF THE MAJOR WORK AREAS, ARE TO BE RESTORED TO PRE-CONSTRUCTION CONDITION, IN ACCORDANCE WITH THE CONCRETE SECTION DETAILS INCLUDED IN THESE PLANS. LAWN AREAS ARE TO BE RE-ESTABLISHED WITH A MINIMUM OF 4 INCHES OF TOPSOIL AND SEED.
9. HAZARDOUS MATERIAL ANY MATERIALS CONTAINING ASBESTOS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL STATE AND LOCAL REGULATIONS. NOTE THIS MAY INCLUDE UNDERGROUND UTILITIES. SITE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE TO NOTIFY THEM OF ANY UNKNOWN HAZARDOUS MATERIAL.
10. EXISTING SERVICE SITE CONTRACTOR SHALL MAINTAIN SERVICE FROM ALL UTILITIES NOT SLATED FOR DEMOLITION AND SHALL REMAIN FUNCTIONAL UPON COMPLETION OF DEMOLITION.
11. EXISTING UTILITIES THAT ARE PROPOSED TO BE REMOVED, UNLESS OTHERWISE INDICATED, SHALL BE EXCAVATED, UTILITY MATERIAL REMOVED, AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE SPECIFICATIONS. ALL TRENCHES SHALL BE BACKFILLED WITH GRANULAR FILL, COMPACTED IN 12" LIFTS TO 95% MODIFIED PROCTOR TEST. ALL DISTURBED AREAS SHALL BE RESTORED IN KIND IN ACCORDANCE WITH THE DETAILS IN THESE PLANS AND AT A MINIMUM TO THEIR ORIGINAL STATE.
12. SAWCUT AREAS OF CONCRETE REMOVAL SHALL BE SAWCUT WITH A NEAT STRAIGHT LINE AT ALL REMOVAL LIMITS.
13. PERMITS SITE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL PERMITS REQUIRED FOR DEMOLITION AND CONSTRUCTION, INCLUDING ALL FEES ASSOCIATED WITH THOSE PERMITS, IN THE BID.
14. ENVIRONMENTAL CONDITIONS OR ISSUES, NOT PREVIOUSLY IDENTIFIED, ARE ENCOUNTERED DURING DEMOLITION, THE SITE CONTRACTOR(S) SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER BEFORE CONTINUING THE DEMOLITION PROCESS.
15. RECYCLE ALL MATERIALS WHEN APPROPRIATE.
16. SPOIL MATERIALS FROM DEMOLITION OR EARTHWORK, SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT THE SITE CONTRACTOR'S EXPENSE.
17. EXISTING STRUCTURES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED TO A DEPTH OF 2 FEET BELOW FINISHED GRADE. STRUCTURES SHALL BE FILLED WITH CRUSHED STONE, (MEETING NYSDOT STANDARD SPECIFICATION SECTION 304) COMPACTED IN 12" LIFTS TO 95% MODIFIED PROCTOR TEST.
18. FIELD TILE IN THE EVENT FIELD TILE IS ENCOUNTERED, THE SITE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER. UNDER NO CIRCUMSTANCES SHALL FIELD TILE BE PERMITTED TO EXIST NEAR BUILDING FOUNDATIONS.

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

STATE OF NEW YORK · CHRISTOPHER J. CASEY · 102592 · LICENSED PROFESSIONAL ENGINEER

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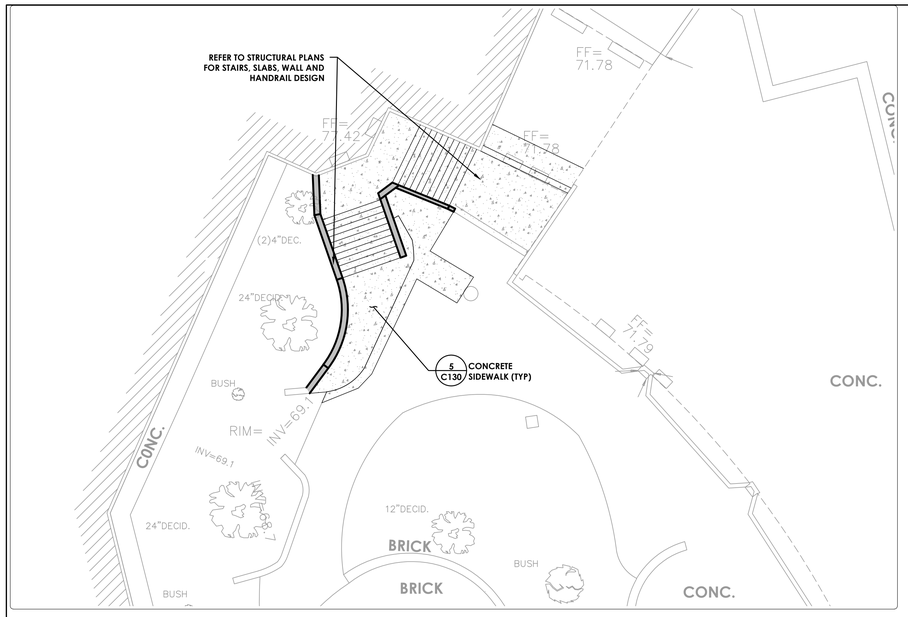
Sheet Title

EXISTING CONDITIONS & DEMOLITION PLAN

Sheet No.

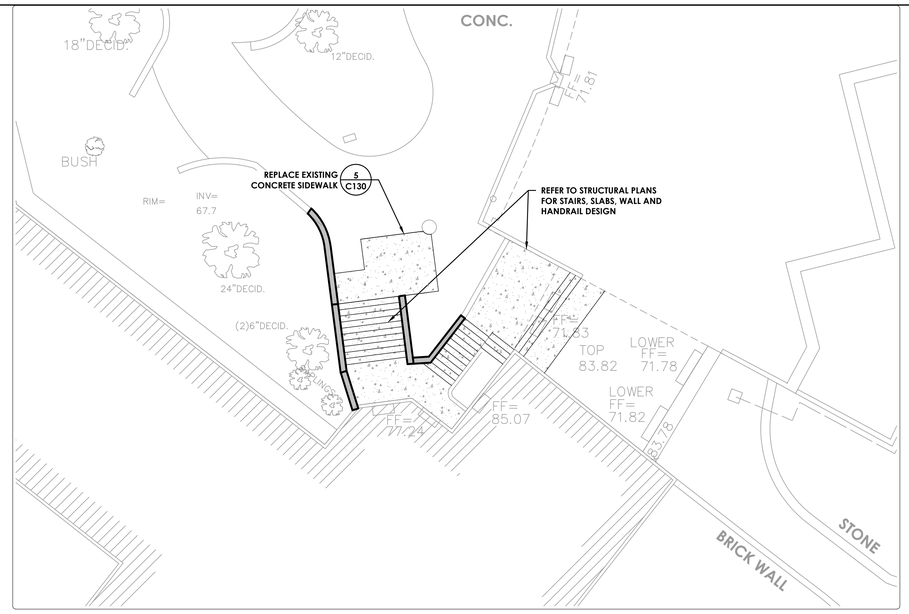
NRHS C120

CONSTRUCTION DOCUMENTS



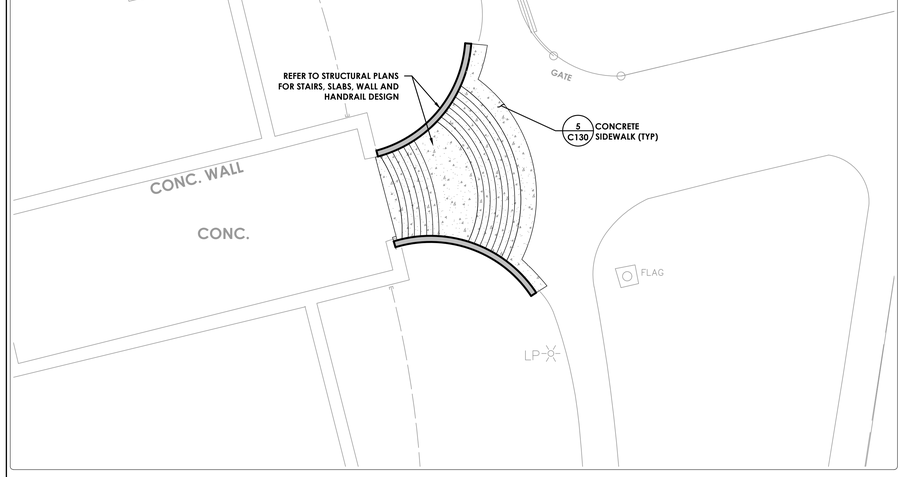
1 PROPOSED SITE PLAN FOR D-102 STAIRS

SCALE: 1"=10'



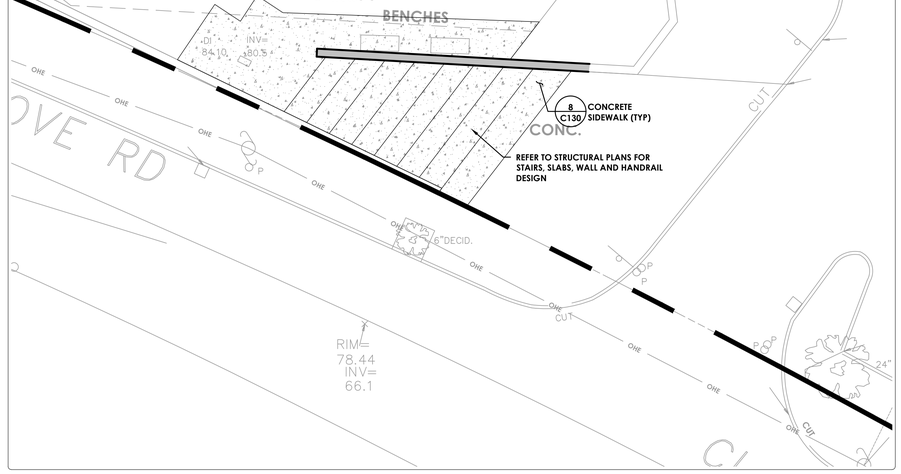
2 PROPOSED SITE PLAN FOR D-103 STAIRS

SCALE: 1"=10'



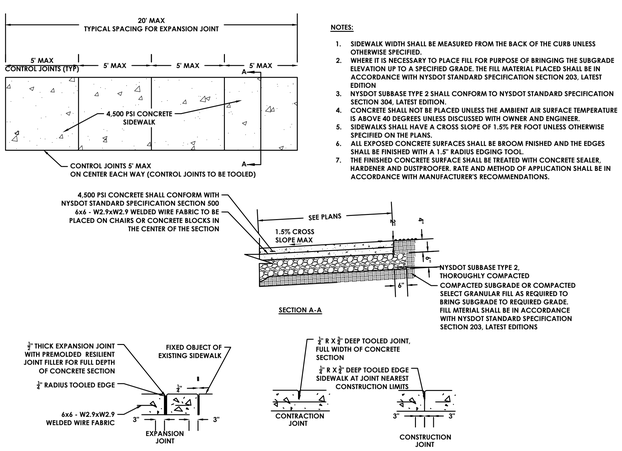
3 PROPOSED SITE PLAN FOR FRONT ENTRANCE STAIRS

SCALE: 1"=10'



4 PROPOSED SITE PLAN FOR AUDITORIUM STAIRS

SCALE: 1"=10'



NOTES:

1. SIDEWALK WIDTH SHALL BE MEASURED FROM THE BACK OF THE CURB UNLESS OTHERWISE SPECIFIED.
2. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE. THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 203, LATEST EDITION
3. NYSDOT SUBBASE TYPE 2 SHALL CONFORM TO NYSDOT STANDARD SPECIFICATION SECTION 304, LATEST EDITION.
4. CONCRETE SHALL NOT BE PLACED UNLESS THE AMBIENT AIR SURFACE TEMPERATURE IS ABOVE 40 DEGREES UNLESS DISCUSSED WITH OWNER AND ENGINEER.
5. SIDEWALKS SHALL HAVE A CROSS SLOPE OF 1.5% PER FOOT UNLESS OTHERWISE SPECIFIED ON THE PLANS.
6. ALL EXPOSED CONCRETE SURFACES SHALL BE BROOM FINISHED AND THE EDGES SHALL BE FINISHED WITH A 1.5" RADIUS EDGING TOOL.
7. THE FINISHED CONCRETE SURFACE SHALL BE TREATED WITH CONCRETE SEALER, HARDENER AND DUSTPROOFER. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

5 CONCRETE SIDEWALK SECTION DETAILS

NOT TO SCALE

LEGEND:

- PROPERTY BOUNDARY
- EXISTING BUILDING
- PROPOSED WALL
- PROPOSED CONCRETE
- FD FLOOR DRAIN

HORIZONTAL SCALE
10 0 5 10 20
SCALE: 1"=10'

N

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STATE OF NEW YORK · CHRISTOPHER J. LAGORIO · 102597 · LICENSED PROFESSIONAL ENGINEER

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Sheet Title

PROPOSED SITE PLAN

Sheet No.

NRHS C130

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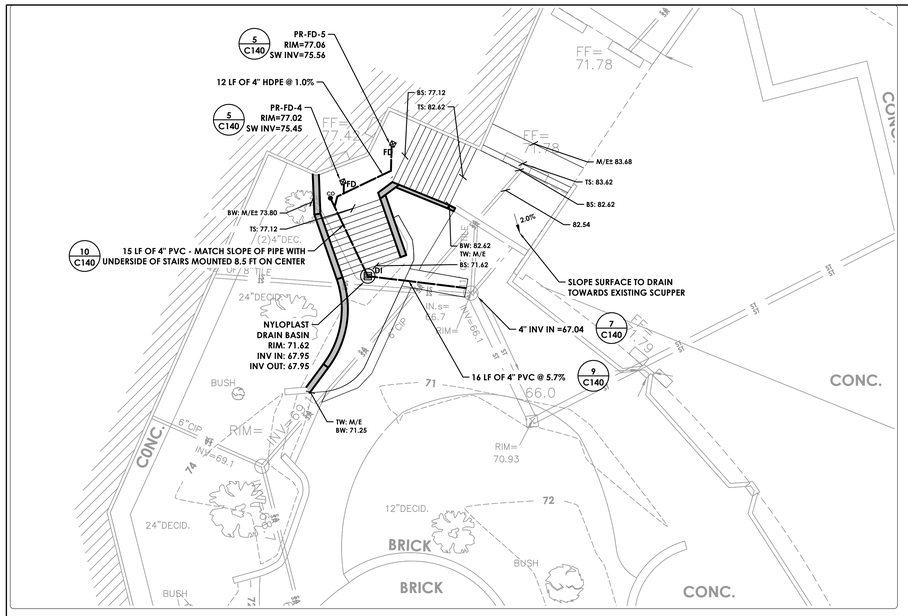

① GRADING & DRAINAGE PLAN FOR D-102 STAIRS

SCALE: 1"=10'

② GRADING & DRAINAGE PLAN FOR D-103 STAIRS

SCALE: 1"=10'

LEGEND:

▬ ▬ ▬	PROPERTY BOUNDARY
▨	EXISTING BUILDING
▭	PROPOSED WALL
520	EXISTING MAJOR CONTOUR
521	EXISTING MINOR CONTOUR
520	PROPOSED MAJOR CONTOUR
521	PROPOSED MINOR CONTOUR
○ CB	PROPOSED STORM SEWER, INLET MH, CB & END SECTION
W	EXIST. WATER MAIN
+ 492.7	PROPOSED SPOT ELEVATION
☒ FD	FLOOR DRAIN
○ CO	CLEAN OUT

UTILITY NOTES:

1. PRIOR TO THE START OF UTILITY INSTALLATION THE CONTRACTOR (AND ANY SUB CONTRACTORS) IS RESPONSIBLE FOR COORDINATION OF ALL UTILITY CONNECTIONS WITH STRUCTURAL DRAWINGS FOR INCLUDING BUT NOT LIMITED TO VERTICAL AND HORIZONTAL LOCATION, PENETRATIONS, AND SIZES.
2. PRIOR TO THE START OF UTILITY INSTALLATION THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY AND COORDINATE WITH EXISTING UTILITIES SHOWN ON THE PLANS AND REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER.
3. UTILITY CROSSINGS THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE LOCATION OF EXISTING UTILITIES AT ALL PROPOSED CROSSINGS AND NOTIFY THE OWNER'S ONSITE REPRESENTATIVE OF ANY CONFLICTS PRIOR TO UTILITY INSTALLATION.
4. FLUSH EXISTING STORM SEWER - THE CONTRACTOR SHALL FLUSH THE EXISTING STORM SEWER NETWORK SURROUNDING AND CONNECTED TO THE NEWLY INSTALLED SYSTEM PRIOR TO PROJECT COMPLETION.

⑦ PIPE CONNECTION TO DRAINAGE STRUCTURE CMP OR HDPE CEMENT GROUT SEAL JOINT

N.T.S.

③ GRADING & DRAINAGE PLAN FOR AUDITORIUM STAIRS

SCALE: 1"=10'

④ GRADING & DRAINAGE PLAN FOR FRONT ENTRANCE STAIRS

SCALE: 1"=10'

NOTES:

1. ALL CONCRETE IN CONTACT WITH ASPHALT PAVEMENT SHALL BE COVERED WITH A TACK COAT IN ACCORDANCE WITH N.Y.S.D.O.T. SECTION 407.
2. CATCH BASINS IN PEDESTRIAN WALKWAYS AND BICYCLE AREAS SHALL HAVE ADA COMPLIANT GRATES.
3. CATCH BASIN SHALL BE PRECAST CONCRETE DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
4. FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICULAR LOADING AND 25% IMPACT.
5. CATCH BASINS HAVING A DEPTH GREATER THAN 48" FROM FINISHED SURFACE TO THE TOP OF THE CONCRETE BASE SHALL BE PROVIDED WITH MANHOLE STEPS.

⑧ STANDARD CATCH BASIN DETAIL

N.T.S.

NOTES:

1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% PASSING
3/4"	100%
NO. 40	0-70%
NO. 200	0-10%

2. TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION	% PASSING
4"	100%
NO. 40	0-70%
NO. 200	0-10%

IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS & SLAB.
4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

⑨ PIPE TRENCH DETAIL (TYPICAL)

N.T.S.

NOTES:

1. 4" Ø PVC PIPE SHALL BE SUPPORTED AT A MAXIMUM OF 8.5 FEET ON CENTER WITH A MINIMUM ROD SIZE OF $\frac{5}{8}$ INCHES.

⑩ PIPE HANGER SUPPORT DETAIL

N.T.S.

NOTES:

1. BASIS OF DESIGN IS 12.5" SQUARE TOP DRAIN, DURA-COATED CAST IRON BODY WITH BOTTOM OUTLET AS MANUFACTURED BY ZURN MODEL #Z610 OR APPROVED EQUAL.
2. DRAIN SHALL BE INSTALLED IN CONCRETE SLAB WITH WATERPROOFING MEMBRANE SECURED WITH COMBINATION FLASHING CLAMP AND FRAME ER MANUFACTURER'S RECOMMENDATIONS.

⑤ FLOOR DRAIN DETAIL

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

CHRISTOPHER J. LAPORTA
102592

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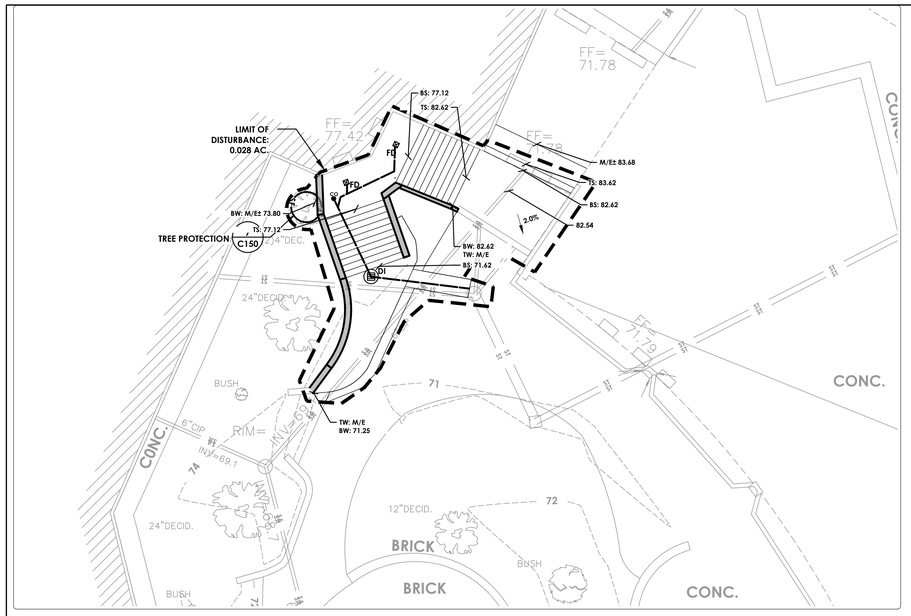
GRADING & DRAINAGE PLAN

Sheet No.

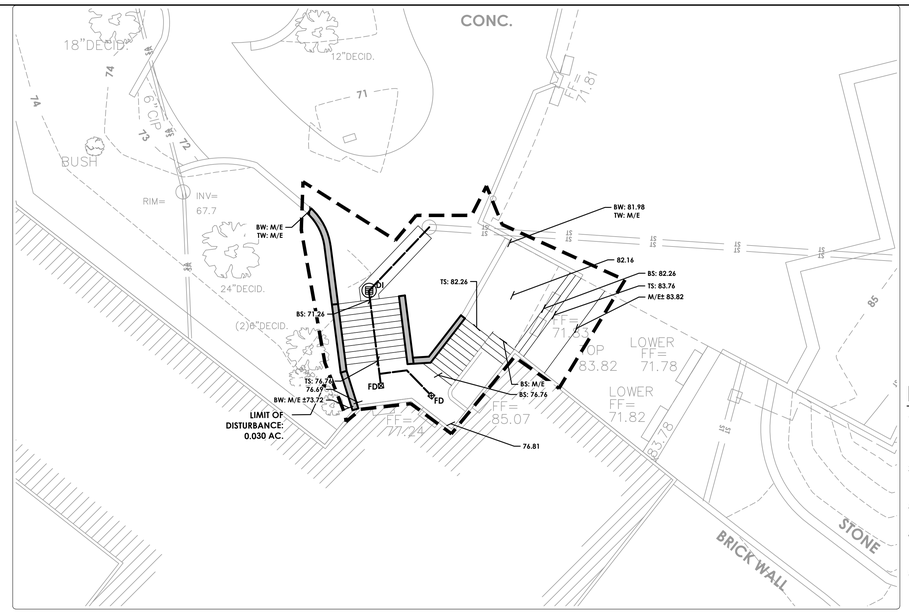
NRHS
C140

CONSTRUCTION DOCUMENTS



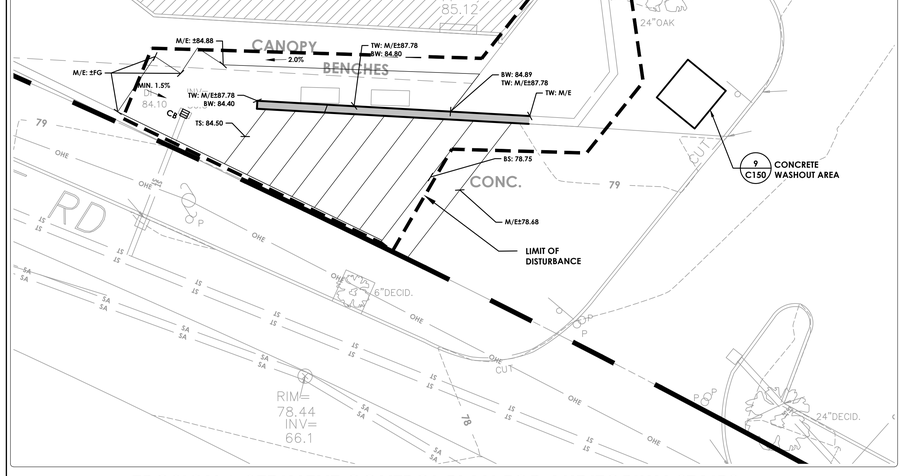
1 EROSION & SEDIMENT CONTROL PLAN FOR D-102 STAIRS

SCALE: 1"=10'



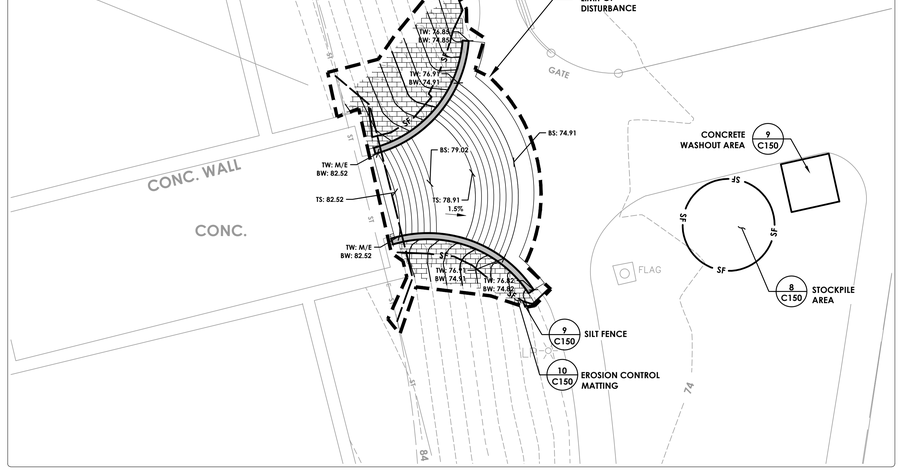
2 EROSION & SEDIMENT CONTROL PLAN FOR D-103 STAIRS

SCALE: 1"=10'



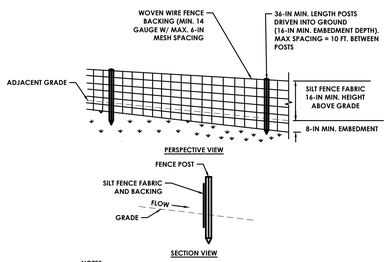
3 EROSION & SEDIMENT CONTROL PLAN FOR AUDITORIUM STAIRS

SCALE: 1"=10'



4 EROSION & SEDIMENT CONTROL PLAN FOR FRONT ENTRANCE STAIRS

SCALE: 1"=10'

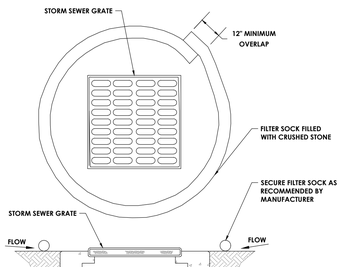


NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 14 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER- LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

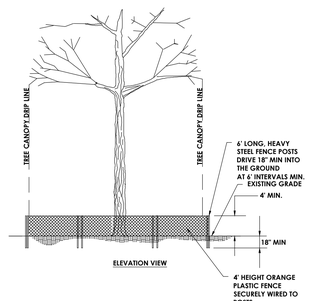
5 SILT FENCE DETAIL

NOT TO SCALE



6 INLET PROTECTION IN PAVEMENT

NOT TO SCALE

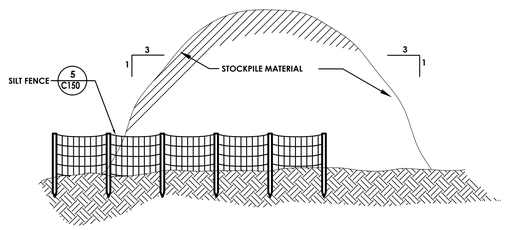


NOTES:

1. THE BARRIER SHALL BE LOCATED AT THE DRIP LINE OF THE CANOPY OF THE TREE. A MINIMUM OF 2 FEET FROM THE TRUNK OF THE TREE TO BE PROTECTED. AND SHALL BE ROUND AND CENTERED ON THE TREE.
2. ACCESS FOR WATERING SHALL BE PROVIDED AND LOCATED AWAY FROM CONSTRUCTION.

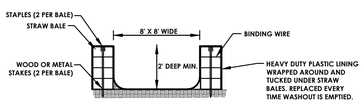
7 TREE PROTECTION DETAIL

NOT TO SCALE



8 STOCKPILE AREA DETAIL

NOT TO SCALE



9 CONCRETE WASH OUT AREA

NOT TO SCALE

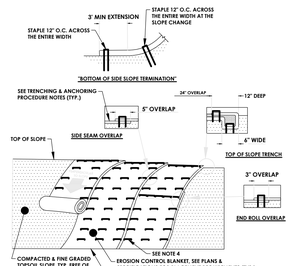
EROSION & SEDIMENT CONTROL NOTES:

1. THE CONTRACTOR SHALL REVIEW THE EROSION & SEDIMENT CONTROL PLAN INCLUDED IN THE CONTRACT DOCUMENTS, AND IF NECESSARY, MODIFY THE PLAN WITH THE CONTRACTOR'S INTENDED SEQUENCE AND TYPES OF OPERATIONS. THE CONTRACTOR'S MODIFIED EROSION & SEDIMENT CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER AND TOWN FOR APPROVAL, ALONG WITH A PROGRESS SCHEDULE THAT ADDRESSES THIS WORK.
2. THE CONTRACTOR SHALL DESIGNATE AN "EROSION AND SEDIMENT CONTROL SUPERVISOR" FOR THE PROJECT. THE SUPERVISOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION & SEDIMENT CONTROL PLAN AND FOR INSPECTING AND MAINTAINING THE CONTROL MEASURES.
3. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF FROM DISTURBED AREAS IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL DEVICES BEFORE LEAVING THE SITE.
4. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE FOR WHICH THEY ARE INTENDED AND SHALL REMAIN IN PLACE UNTIL SOILS ARE PERMANENTLY STABILIZED. AFTER PERMANENT STABILIZATION ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED.
5. UNDER NO CONDITION SHALL DISCONTINUED CONSTRUCTION ACTIVITIES IN AREAS WITH SOIL DISTURBANCES BE LEFT FOR A PERIOD OF GREATER THAN 7 DAYS WITHOUT TEMPORARILY STABILIZING THOSE AREAS WITH TEMPORARY SEED AND MULCH. MAINTENANCE OF THOSE AREAS SHALL INCLUDE RESEEDING AND REMULCHING AS NEEDED TO ESTABLISH A SATISFACTORY STAND OF GRASS. THERE SHALL BE NO ADDITIONAL PAYMENT FOR RESEEDING AND REMULCHING.
6. AT THE VERY MINIMUM, EROSION CONTROL SHALL BE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INTEGRITY, MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES UNTIL NO LONGER DEEMED NECESSARY BY THE ENGINEER. THE CONTRACTOR SHALL MAINTAIN THE STORM SEWER SYSTEM UNTIL THE PROJECT IS DEVELOPED.

LEGEND:

HORIZONTAL SCALE
10 0 5 10 20
SCALE: 1"=10'

- PROPERTY BOUNDARY
- EXISTING BUILDING
- PROPOSED WALL
- 520 EXISTING MAJOR CONTOUR
- 521 EXISTING MINOR CONTOUR
- 520 PROPOSED MAJOR CONTOUR
- 521 PROPOSED MINOR CONTOUR
- CB PROPOSED STORM SEWER, INLET MH, CB & END SECTION
- W EXIST. WATER MAIN
- + 492.7 PROPOSED SPOT ELEVATION
- FD FLOOR DRAIN
- CO CLEAN OUT
- LIMITS OF DISTURBANCE
- EROSION CONTROL MATTING



10 EROSION CONTROL BLANKET INSTALLATION DETAIL

N.T.S.

NOTES:

1. PREPARE THE TOPSOIL (SEEDBED) FIRST BY RAKING, SHAPING, FINE GRADING, COMPACTING, SEEDING & FERTILIZING THE SLOPES.

2. USE THE TRENCHING & ANCHORING PROCEDURES DETAILED HEREIN TO SECURE ANY EXPOSED MATERIAL ENDS, SECURE ALL PRODUCT OVERLAPS, OVERLAP IN THE DIRECTION OF WATER FLOW, PERPENDICULAR TO THE SLOPE.

3. KEEP EROSION CONTROL BLANKET IN SOLID CONTACT WITH THE TOPSOIL.

4. USE THE REQUIRED NUMBER OF STAPLES/STAKES TO SECURELY FASTEN THE EROSION CONTROL BLANKET TO THE SLOPE IN LOOSE SOIL CONDITIONS. THE USE OF STAPLES/STAKES LENGTHS GREATER THAN 6" MAYBE NECESSARY FOR PROPER SECURING. STAPLE PATTERNS & OVERLAPS ARE DEPENDENT ON SITE CONDITIONS & MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL CONSULT WITH MANUFACTURER FOR ACTUAL SITE SPECIFIC REQUIREMENTS.

TRENCHING & ANCHORING PROCEDURE NOTES:

SIDE SEAM OVERLAP: THE EDGES OF PARALLEL BLANKETS SHALL BE STAPLED WITH A 5" OVERLAP.

TOP OF SLOPE TRENCH: BEGIN AT THE TOP OF SLOPE BY ANCHORING THE EROSION CONTROL BLANKET IN A 6"D X 6"W TRENCH WITH A 12" OVERLAP EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR WITH A ROW OF STAPLES/STAKES 12" O.C. IN THE BOTTOM OF THE TRENCH. BACKFILL & COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO THE COMPACTED SOIL & FOLD THE REMAINING 12" PORTION OF THE EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL. SECURE THE EROSION CONTROL BLANKET BACK OVER THE SEED & COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED 12" O.C. ACROSS THE ENTIRE WIDTH.

END ROLL OVERLAP: CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE SHALL BE PLACED END OVER END (SINGLE-STYLE) WITH A 5" OVERLAP. STAPLE THROUGH OVERLAPPED AREAS, 12" APART ACROSS THE ENTIRE WIDTH.

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845 561 3179 www.csarchpc.com
CSARCH

Consultant

Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK
CHRISTOPHER J. DAGRO
102592
LICENSED PROFESSIONAL ENGINEER

#	DATE	DESCRIPTION

Drawn By:	MTP
Checked By:	SK
Proj. #:	66-11-00-01-0-001-030
CSArch Proj. #:	188-2301.01
Issued for Bid:	10/14/2024

Sheet Title
EROSION & SEDIMENT CONTROL PLAN

Sheet No.
NRHS C150

CONSTRUCTION DOCUMENTS

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GENERAL NOTES:

1. ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, HVAC, AND PLUMBING DRAWINGS AND SPECIFICATIONS.
2. THE CONTRACTOR(S) SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC. IN THE FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION OR SHOP DRAWINGS.
3. THE DRAWINGS ARE INTENDED TO REQUIRE AND TO INCLUDE ALL LABOR, MATERIAL AND EQUIPMENT PROPER FOR THE WORK.
4. ALL WORK SHALL COMPLY WITH ALL LOCAL, STATE AND NATIONAL CODES AND REQUIREMENTS.
5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND SAFETY PROCEDURES. THE ARCHITECT/ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR THEIR AGENTS OR EMPLOYEES OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK.
6. OBSERVE ALL OSHA AND OTHER APPLICABLE SAFETY REQUIREMENTS INCLUDING THE USE OF SAFETY GLASSES, HARD HATS, AND PROTECTION OF AREA WHEN WORKING OVERHEAD. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR CONSTRUCTION SAFETY AT ALL TIMES.
7. COORDINATE WORK OF ALL DISCIPLINES (STRUCT., ARCH., MECH., ELECT., ETC.) WITH EXISTING CONDITIONS, SPECIAL REQUIREMENTS, CONSTRUCTION SCHEDULE AND OTHER CONTRACTORS PERFORMING WORK AT THE SITE.
8. ALL TEMPORARY SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL DESIGN AND PROVIDE ANY TEMPORARY SHORING, BRACING, ETC., AS NEEDED FOR THE WORK SO AS NOT TO ENDANGER THE STRUCTURAL INTEGRITY OF ANY EXISTING FEATURE.
9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE DONE TO EXISTING FEATURES AS A RESULT OF THIS WORK. DAMAGED ITEMS SHALL BE REPLACED IN KIND AND AT NO ADDITIONAL COST TO THE OWNER.
10. DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LAYOUT PRIOR TO CONSTRUCTION. ALL DIMENSIONS ON STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND CIVIL DRAWINGS AND ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. IMMEDIATELY. SEE THE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO MECHANICAL, ELECTRICAL, AND ARCHITECTURAL DRAWINGS FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS. CHANGES AFFECTING THE LAYOUT SHOWN MUST BE SPECIFIC AND CLEARLY CONVEYED TO THE OWNER'S REPRESENTATIVE IN WRITTEN FORM AS A CHANGE FOR INCLUSION INTO THESE PLANS.
11. SHOP DRAWINGS: REPRODUCTION OF DESIGN DRAWINGS SHALL NOT BE PERMITTED FOR SHOP DRAWING SUBMISSIONS. THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER SHALL REVIEW AND PROVIDE REVIEW STAMP ON SHOP DRAWING SUBMISSIONS PRIOR TO SUBMITTAL TO ARCHITECT/ENGINEER INDICATING UNDERSTANDING AND ACCEPTANCE OF SUBMITTAL AND CONFIRMING CONFORMANCE TO PROJECT PLANS/SPECIFICATIONS.
12. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS MAY BE NECESSARY.
13. EQUIPMENT FRAMING LOADS, OPENINGS AND STRUCTURE IN ANY WAY RELATED TO HVAC, PLUMBING, PROCESS OR ELECTRICAL REQUIREMENTS ARE SHOWN FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL OBTAIN APPROVAL OF THE PERTINENT TRADES BEFORE PROCEEDING WITH SUCH PORTION OF THE WORK. EXCESS COST RELATED TO VARIATION IN THESE REQUIREMENTS SHALL BE BORNE BY THE APPROPRIATE CONTRACTOR.

FOUNDATION NOTES:

1. FOUNDATION DESIGN IS BASED ON ALLOWABLE BEARING PRESSURED DETERMINED FROM EXISTING BUILDING DRAWINGS DATED 02/15/1967, FOR THE CONSTRUCTION OF THE LIBRARY, AND DATED 04/06/1970 FOR THE CONSTRUCTION OF THE AUDITORIUM. A GEOTECHNICAL ENGINEER SHALL CONFIRM THE SOIL CONDITIONS ON SITE DURING EXCAVATION MATCH THE ASSUMED CONDITIONS. IF FOUND TO BE DIFFERENT, NOTIFY THE EOR FOR POTENTIAL FOUNDATION REVISIONS.
2. FOOTING ELEVATION SHOWN REPRESENT THE MINIMUM DEPTH TO WHICH FOOTINGS SHALL BE PLACED, BUT SHALL BEAR AT A DEPTH BELOW FINISHED GRADE NO LESS THAN 4' - 0". FOOTINGS SHALL BE LOWERED AS REQUIRED TO OBTAIN SUITABLE BEARING. WHERE FOOTINGS ARE REQUIRED TO BE LOWERED MORE THAN 1 FOOT, NOTIFY THE ENGINEER OF RECORD. ALL UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED WITH FOOTINGS RESTING ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 4,000 PSF, UNLESS OTHERWISE INDICATED.
3. NO FOUNDATION CONCRETE SHALL BE INSTALLED UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. FOOTINGS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES. WHERE FOOTINGS ARE REQUIRED TO BE LOWERED MORE THAN 1 FOOT, NOTIFY THE ENGINEER OF RECORD.
4. TO MINIMIZE WEATHERING, THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS.
5. WHERE ROCK OUTCROPPINGS ARE ENCOUNTERED IN ANY FOOTING EXCAVATION, UNDERCUT TO A DEPTH OF NOT LESS THAN 6 INCHES BELOW ELEVATION OF BOTTOM OF FOOTING AND BACKFILL WITH THOROUGHLY COMPACTED #10 FINES.

CONCRETE NOTES:

1. COMPLY WITH THE FOLLOWING CODES AND STANDARDS:
   A. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
   B. ACI 305, ACI 306, ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".
   C. ACI DETAILING MANUAL (ACI SP-66-04).
   D. ACI 347 "RECOMMENDED PRACTICE FOR CONCRETE FORM WORK".
   E. CONCRETE REINFORCING STEEL INSTITUTE (CRSI), "MANUAL OF STANDARD PRACTICE".
   F. ACI 304 "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING AND PLACING CONCRETE".
2. MATERIALS:
   A. REINFORCING BARS - ASTM A615, GRADE 60, DEFORMED
   B. WELDED WIRE FABRIC (WWF) - ASTM A185, FLAT SHEETS.
   C. PORTLAND CEMENT-ASTM C150, TYPE II.
   D. AGGREGATES-ASTM C33.
   E. AIR ENTRAINING ADMIXTURE-ASTM C260, CERTIFIED BY MANUFACTURER TO BE COMPATIBLE WITH OTHER REQUIRED ADMIXTURES.
   F. PROHIBITED ADMIXTURES-CALCIUM CHLORIDE THYOCYANATES OR ADMIXTURES CONTAINING MORE THAN 0.1% CHLORIDE IONS ARE NOT PERMITTED.
3. CONTINUOUS REINFORCING IN WALLS AND SLABS MAY BE SPLICED, AS REQUIRED, PROVIDING BARS ARE OF THE LONGEST PRACTICABLE LENGTH AND SPLICES ARE SHOWN ON REINFORCING SHOP DRAWINGS. WHEREVER POSSIBLE, SPLICES SHALL BE STAGGERED. FIELD CUTTING OF REINFORCEMENT WILL NOT BE PERMITTED.
4. UNLESS OTHERWISE SHOWN, BARS AT WALL AND CONTINUOUS FOOTING CORNERS AND INTERSECTIONS SHALL BE DETAILED AS SHOWN ON FIGURE 15 OF ACI SP-66-04. CORNER BARS SHALL BE DETAILED AS SHOWN FOR OUTSIDE LOADED ONLY CORNERS. INTERSECTIONS SHALL BE DETAILED WITHOUT DIAGONAL BARS. ALL END HOOKS SHALL BE STANDARD 90 DEGREE END HOOKS AND CORNER BARS SHALL BE 48 BAR DIAMETERS X 48 BAR DIAMETERS MINIMUM UNLESS NOTED OTHERWISE.
5. PROVIDE DOWELS TO MATCH REINFORCEMENT SIZE AND SPACING INDICATED FOR ALL STRUCTURAL ELEMENTS, UNLESS OTHERWISE INDICATED. DOWELS MUST BE PLACED AND SECURED PRIOR TO CONCRETE PLACEMENT (WET STICKING REINFORCING NOT PERMITTED").
6. MAJOR CONSTRUCTION JOINTS ARE SHOWN ON THE DRAWINGS. INTERMEDIATE JOINTS IN WALLS, SLABS, AND FLOOR FRAMING ARE NOT SHOWN. CONSTRUCTION JOINTS MAY BE ADDED, OMITTED OR RELOCATED IF PROPERLY DETAILED ON SHOP DRAWINGS AND APPROVED BY THE OWNER'S REPRESENTATIVE.
7. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES IN CONCRETE WALLS AND SUPPORTED FLOORS. SPREAD REINFORCEMENT AT OPENINGS AND SLEEVES UNLESS OTHERWISE SHOWN. DO NOT CUT REINFORCEMENT. SEE TYPICAL REINFORCEMENT DETAILS FOR OPENINGS IN SLABS AND WALLS FOR ADDITIONAL REQUIREMENTS.
8. PLACING OF REINFORCEMENT: PROVIDE CHAIRS, BOLSTERS, ADDITIONAL REINFORCEMENT, AND ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITION SHOWN ON DRAWINGS. SUPPORT OF REINFORCEMENT ON FORM TIES, WOOD, BRICK, BRICKBAT OR OTHER UNACCEPTABLE MATERIAL, WILL NOT BE PERMITTED.
9. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS FOR SIZE AND LOCATION OF ALL EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, OPENINGS, ETC. REQUIRED BY OTHER TRADES. RECONCILE THEIR EXACT SIZES AND LOCATIONS BEFORE PROCEEDING WITH THE WORK. ALL ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE. SECURE THE APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO PLACING OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS
10. IN SLABS-ON-GRADE, PROVIDE 2 #4X4' 0" DIAGONAL BARS IN THE MIDDLE OF THE SLAB AT EACH CORNER OF OPENINGS OVER 1' 0" SQUARE AND AT RE-ENTRANT CORNERS.
11. CHAMFER EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES 3/4-INCH, UNO.
12. SLABS AND BEAMS OR JOISTS SHALL BE CAST MONOLITHICALLY UNLESS OTHERWISE INDICATED.
13. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING WHEN IT IS SAFE TO REMOVE FORMS AND/OR SHORING. FORMS AND SHORING MUST NOT BE REMOVED UNTIL THE CONCRETE IS STRONG ENOUGH TO CARRY ITS OWN WEIGHT AND ANY ANTICIPATED SUPERIMPOSED LOADS. WHEN FORMS ARE STRIPPED THERE MUST BE NO EXCESSIVE DEFLECTION, DISTORTION, DISCOLORATION, AND NO EVIDENCE OF DAMAGE TO THE CONCRETE.

RENOVATION AND EXISTING STRUCTURE NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ETC., NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING STRUCTURE. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS NECESSARY FOR PROPER FABRICATION AND ERECTION OF ALL STRUCTURAL MEMBERS. THE CONTRACTOR SHALL SUPPORT, BRACE AND SECURE EXISTING STRUCTURES AS REQUIRED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF EXISTING STRUCTURES DURING CONSTRUCTION.
2. BEFORE PROCEEDING WITH ANY WORK WITHIN OR ADJACENT TO THE EXISTING STRUCTURE, THE CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS. DURING THE PROCESS OF CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THE EXISTING STRUCTURE WHERE THE EXISTING STRUCTURE IS MODIFIED TO ACCOMMODATE NEW CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING STRUCTURE, WHICH ARE TO REMAIN.
3. ALL EXISTING STRUCTURAL ELEMENTS (SLABS, BEAMS, WALLS, COLUMNS, FOUNDATIONS...) SHALL REMAIN INTACT UNLESS SPECIFICALLY NOTED TO BE REMOVED BY THE DEMOLITION DOCUMENTS OR OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS.
4. INFORMATION PROVIDED ON THESE DRAWINGS RELATED TO EXISTING CONDITIONS IS BASED ON AVAILABLE DESIGN DOCUMENTS AND LIMITED FIELD OBSERVATION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY AND AWAIT DIRECTION FROM THE OWNER'S REPRESENTATIVE IF ANY DISCREPANCY BETWEEN THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS IS DISCOVERED.
5. THIS PROJECT REQUIRES DRILLING INTO EXISTING REINFORCED CONCRETE STRUCTURE. THE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL PAYMENT FOR DIFFICULTIES ENCOUNTERED IN DRILLING DUE TO HARDNESS OF MATERIALS, HITTING OF EXISTING REINFORCING, ETC. ALL COSTS ASSOCIATED WITH RE-DRILLING OF HOLES DUE TO HITTING EXISTING REINFORCING STEEL SHALL BE BORNE BY THE CONTRACTOR. THIS INCLUDES FILLING UNNECESSARY AND UNUSED HOLES WITH EPOXY GROUT. DO NOT CUT REINFORCING STEEL DURING CONCRETE DRILLING OR CORING OPERATIONS. LOCATE REINFORCING USING NON-DESTRUCTIVE TESTING PRIOR TO DRILLING AND CORING OPERATIONS.
6. CORE DRILLS REQUIRED BY MECHANICAL OR ELECTRICAL TRADES BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE DOCUMENTED SHOWING EXACT DIMENSIONS AND LOCATIONS. THE DRAWING SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO PROCEEDING WITH THE DRILLING OPERATION.
7. EXISTING CONCRETE SURFACE PREPARATION: INTENTIONALLY ROUGHEN EXISTING CONCRETE SURFACES TO AN AMPLITUDE OF 3/4" WHERE NEW CONCRETE IS BEING PLACED AGAINST THE EXISTING CONCRETE AND CONNECTED BY DRILLING AND EPOXY GROUTING.

SPECIAL INSPECTION NOTES:

1. SPECIAL INSPECTIONS WILL BE PERFORMED IN ACCORDANCE WITH THE STATEMENT OF SPECIAL INSPECTIONS.
2. OWNER, OR ARCHITECT/STRUCTURAL ENGINEER OF RECORD ACTING AS THE OWNER'S AGENT, SHALL DIRECTLY EMPLOY AND PAY FOR SERVICES OF THE SPECIAL INSPECTORS TO PERFORM REQUIRED SPECIAL INSPECTIONS.

STRUCTURAL DESIGN CRITERIA

		DESIGN CRITERIA
BUILDING DATA:		
LOCATION		265 CLOVE RD, NEW ROCHELLE, NY 10801
BUILDING OCCUPANCY RISK CATEGORY		III
APPLICABLE BUILDING CODE		2020 BUILDING CODE OF NEW YORK STATE (IBC 2018)
GEOTECHNICAL INFORMATION:		
ALLOWABLE BEARING PRESSURE (FROM PRIOR CONSTRUCTION DOCUMENTS)		4,000 PSF
FLOOR LIVE LOADING:		
FLOOR	LL1	100 PSF
SNOW LOADING:		
SNOW IMPORTANCE FACTOR	Is	1.1
GROUND SNOW LOAD	Pg	25 psf
SNOW EXPOSURE FACTOR	Ce	1.0
NEAR GROUND SNOW LOAD		27.5 psf

CONCRETE REINF SPLICE & DEVELOPMENT LENGTHS SCHEDULE

	BAR SIZE	LAP SPLICE LENGTHS (IN.)					DEVELOPMENT LENGTHS (IN.)		
		TENSION LAP LENGTH				COMP.	TENSION	COMP.	HOOKED
		TOP BARS		OTHER					
	CLASS	A	B	A	B				
fc' = 4,500 psi	#3	18	23	14	18	12	SAME AS CLASS A TENSION LAP SPLICE	8	7
	#4	24	31	18	24	15		9	9
	#5	30	38	23	30	19		12	12
	#6	35	46	27	35	23		14	14
	#7	51	67	40	51	27		16	16
	#8	59	76	45	59	30		18	18
	#9	66	86	51	66	34		21	21
	#10	74	96	57	74	39		23	23
	#11	82	107	64	82	43		26	26

NOTES:
1. TOP BARS ARE HORIZONTAL BARS, PLACED SO THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS PLACED BELOW THE BAR.
2. ALL LAP SPLICES SHALL BE CLASS "B" UNLESS OTHERWISE NOTED.
3. LENGTHS IN THE TABLE ARE FOR UNCOATED OR ZINC-COATED (GALVANIZED) BARS.
4. CLEAR SPACING OF BARS BEING DEVELOPED OR SPLICED NOT LESS THAN 2Db AND CLEAR COVER NOT LESS THAN Db.
5. VALUES IN TABLE ARE FOR NORMAL WEIGHT CONCRETE.
6. SPACING REQUIREMENTS AND END ANCHORAGE SHALL BE SPACED PER THE REQUIREMENTS OF ACI-318.

REINFORCED CONCRETE COVER SCHEDULE

STRUCTURAL ELEMENT			*MIN COVER (IN)*
CAST AGAINST EARTH			3"
EXPOSED TO EARTH OR WEATHER	#5 BARS AND SMALLER, WWF		1-1/2"
	#6 BARS AND LARGER		2"
NOT EXPOSED TO EARTH OR WEATHER	SLABS & WALLS	#11 BARS AND SMALLER, WWF	3/4"
		#14 BARS AND LARGER	1-1/2"
	BEAMS AND COLUMNS		1-1/2"

CONCRETE STRENGTH AND MATERIAL SCHEDULE

STRUCTURAL ELEMENT	MIN COMPRESSIVE STRENGTH AT 28 DAYS (PSI)	MAX WATER/CEMENT RATIO	AIR CONTENT (%)	COURSE AGGREGATE	SPECIFIED WEIGHT
FDN WALL, FOOTINGS, STAIRS, & SOG	4,500	0.45	6 +/- 1.5	-	-
LW CONCRETE TOPPING	4,500	0..45	6 +/- 1.0	ASTM C330	115 PCF*

NOTES:
1. PREPARE DESIGN MIXES FOR EACH TYPE, AND STRENGTH OF CONCRETE BY EITHER LABORATORY TRIAL BATCH OR FIELD EXPERIENCE METHODS AS SPECIFIED IN ACI 318.
2. CONCRETE SHALL BE READY MIXED PER ASTM C94. JOBSITE MIXING SHALL NOT BE PERMITTED.
3. MAXIMUM NOMINAL AGGREGATE SIZE IS 3/4".
4. SEE REINFORCED CONCRETE NOTES ON S-001 FOR ADDTIONAL REQUIREMENTS.
5. ENSURE ENTRAPPED AIR IN SLAB CONCRETE TO BE TROWEL FINISHED DOES NOT EXCEED 3%.
6. DO NOT HARD-TROWEL SLABS THAT ARE TO BE AIR-ENTRAINED. COORDINATE SLAB FINISH WITH ARCHITECTURAL AND/OR OWNER REQUIREMENTS. CARE SHALL BE TAKEN FOR FINISHING SLABS WITH AIR-ENTRAINMENT.
7. *SPECIFIED WEIGHT IS MAXIMUM DRY UNIT WEIGHT TO MEET UL FIRE RATING ASSEMBLY REQUIREMENTS (D916). 125 PCF IS THE MAXIMUM WET UNIT WEIGHT DURING PLACEMENT.

WALL FOOTING SCHEDULE

MARK	FOOTING DIMENSIONS		FOOTING REINFORCING		REMARKS
	WIDTH	DEPTH	LONGITUDINAL	TRANSVERSE	
WF28	2' - 4"	1' - 0"	(4) #5 BARS	#5 BARS @ 12" OC	-
WF59	4' - 11"	1' - 0"	(5) #5 BARS	#5 BARS @ 12" OC	-

FOUNDATION WALL SCHEDULE

MARK	TYPE	THICKNESS	WALL REINFORCING		REMARKS
			HORIZONTAL	VERTICAL	
CW6	CONC FOUNDATION WALL	6"	#5 BARS @ 12" OC	#5 BARS @ 12" OC	-
CW8	CONC FOUNDATION WALL	8"	#5 BARS @ 12" OC	#5 BARS @ 12" OC	-
CW10	CONC FOUNDATION WALL	10"	#5 BARS @ 12" OC, EW, EF	#5 BARS @ 12" OC, EW, EF	-
CW12	CONC FOUNDATION WALL	1' - 0"	#5 BARS @ 12" OC, EW, EF	#5 BARS @ 12" OC, EW, EF	-
CW16	CONC FOUNDATION WALL	1' - 4"	#5 BARS @ 12" OC, EW, EF	#5 BARS @ 12" OC, EW, EF	-

SLAB-ON-GRADE SCHEDULE

MARK	TYPE	THICKNESS	SLAB REINFORCING	REMARKS
SOG1	EXTERIOR SLAB	6"	6x6 W2.9xW2.9 WWF	-

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

THE FOLLOWING TABLES COMPRISES THE STRUCTURAL SPECIAL INSPECTION REQUIREMENTS FOR THIS PROJECT IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 INTERNATIONAL BUILDING CODE. REFER TO THE PROJECT SPECIFICATIONS FOR REQUIRED QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES AND ADDITIONAL TESTING INFORMATION.

EARTHWORK - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	-	1705.6
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC		
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	PERIODIC		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS		
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		

CAST-IN-PLACE CONCRETE - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH. 20, 25.2, 25.3, 26.6.1 - 26.6.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND C. INSPECT ALL OTHER WELDS.	PERIODIC PERIODIC CONTINUOUS	AWS D1.4 ACI 318: 26.6.4	-
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	ACI 318:17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS.	CONTINUOUS PERIODIC	ACI 318: 17.8.2.4 ACI 318:17.8.2	-
5. VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.5.3 - 26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES; AND B. GROUTING OF BONDED PRESTRESSING TENDONS.	CONTINUOUS CONTINUOUS	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC	ACI 318: CH. 26.8	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.11.2 (b)	-

STATEMENT OF SPECIAL INSPECTIONS

LOCATION	NEW ROCHELLE, NY
OWNER	CITY SCHOOL DISTRICT OF NEW ROCHELLE
DESIGN PROFESSIONAL IN CHARGE	Patrick J. Williams, PE, SE

This statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the applicable building code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines: STRUCTURAL. The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge (RDP). Discovered discrepancies shall be brought to the immediate attention of the contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the RDP. The Special Inspection program does not relieve the contractor of his or her responsibility for quality assurance.

Interim reports shall be submitted to the Building Official and the RDP, monthly.

A Final Report of Special Inspections documenting completion of all required Special Inspections, testing, and correction of any discrepancies noted in the inspections shall be submitted by the special Inspection Coordinator prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the contractor.

In accordance with the applicable building code, the Observations and Inspections listed in the Schedule of Special Inspections are required.

SCHEDULE OF INSPECTION AND TESTING AGENCIES

SPECIAL INSPECTION AGENCIES	*FIRM*	*ADDRESS*	*TELEPHONE No.*
Special Inspection Coordinator	TBD	TBD	(###) ###-####
Inspector	TBD	TBD	(###) ###-####

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent in accordance with the applicable building code, and not by the Contractor or Subcontractor whose work is to be inspected or tested. An approved agency shall be objective, competent and independent from the contractor responsible for the work being inspected. The agency shall also disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.

STATEMENT OF CONTRACTORS RESPONSIBILITY

In accordance with the applicable building code, each contractor responsible for the construction of a main wind or seismic force-resisting system, designated seismic system or a wind or seismic force-resisting component listed in the statement of special inspections above shall submit a written statement of responsibility to the building official and the owner or the owner's authorized agent prior to the commencement of work on the system or component. The contractor's statement of responsibility shall contain acknowledgement of awareness of the special requirements contained in the statement of special inspections.

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test of inspection have a specific certification or license as indicated below, such designation shall appear below the Agency Number on the Schedule.

PE/SE	Structural Engineer - a licensed PE specializing in the design of building structures
PE/GE	Geotechnical Engineer - a licensed PE specializing in soil mechanics and foundations
EIT	Engineer - In - Training - a graduate engineer who as passed the Fundamentals of Engineering examination
AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION	
ACI-CFTT	Concrete Field Testing Technician - Grade 1
ACI-CCSI	Concrete Construction Special Inspector
ACI-LTT	Laboratory Testing Technician - Grade 1&2
ACI-STT	Strength Testing Technician
AMERICAN WELDING SOCIETY (AWS) CERTIFICATION	
AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector
INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION	
ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector
NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)	
NICET-CT	Concrete Technician - Levels I, II, III, & IV
NICET-ST	Soil Technicians - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

STRUCTURAL ABBREVIATION LEGEND

AB	ANCHOR BOLT
ABV	ABOVE
ACI	AMERICAN CONCRETE INSTITUTE
ADDL	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AHR	ANCHOR
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
APPROX	APPROXIMATELY
ARCH	ARCHITECT/ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
B/	BOTTOM OF
BD	BOARD
BFE	BASE FLOOD ELEVATION
BLKG	BLOCKING
BM	BEAMS
BN	BOUNDARY NAILING
BO	BOTTOM OF
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
C/C	CENTER TO CENTER
CFMF	COLD FORMED METAL FRAMING
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CNJ	CONSTRUCTION JOINT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECT(ED)(ION)
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CTR	CENT(ER)(ERED)(TRAL)
DEG	DEGREE(S)
DEMO	DEMO(LISH)(LITION)
DFE	DESIGN FLOOD ELEVATION
DIA	DIAMETER
DIAG	DIAGONAL
DIF	DIFFEREN(CE)(TIAL)
DIM	DIMENSION
DIV	DIVI(DE)(DED)(DER)(SION)
DL	DEAD LOAD
DN	DOWN
DTL	DETAIL
DWG(S)	DRAWING(S)
DWL	DOWEL(REBAR)
(E)	EXISTNG
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELEV	ELEVATION
EMBED	EMBEDMENT
ENG	ENGINEER
EOD	EDGE OF DECK
EOR	ENGINEER OF RECORD
EOS	EDGE OF SLAB
EQ	EQUAL
EW	EACH WAY
EXIST	EXISTING
EXP	EXPAN(D)(SION)
EXT	EXTERIOR
FD	FLOOR DRAIN
FFE	FINISHED FLOOR ELEVATION
FIN	FINISHED
FNDN	FOUNDATION
FP	FIREPROOF(ING)
FRMG	FRAMING
FS	FAR SIDE
FS	FOOTING STEP
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR/ CONSRTUCTION MANAGER
HD	HEAVY DUTY
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HS	HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SECTION (STRUC SHAPE)
HT	HEIGHT

STRUCTURAL ABBREVIATION LEGEND

IF	INSIDE FACE
INFO	INFORMATION
INSUL	INSULATION
INTMD	INTERMEDIATE
JT	JOINT
K	KIP (1000 POUNDS)
KLF	KIPS PER LINEAR FOOT
KSI	KIPS PER SQUARE INCH
LB/LBS	POUNDS
LF	LINEAR FOOT,FEET
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION(S)
LP	LOW POINT
LVL	LEVEL
LW	LIGHTWEIGHT
MANUF	MANUFACTURER
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
(N)	NEW
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER/DIMENSION
OF	OUTSIDE FACE
OPN'G	OPENING(S)
OPP	OPPOSITE
P	PIER (SEE SCHEDULE)
PAF	POWDER ACTUATED FASTENER
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PEMB	PRE-ENGINEERED METAL BUILDING
PERF	PERFORATE(D)
PERIM	PERIMETER
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PREFAB	PREFABRICATED
PREFIN	PREFINISH(ED)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST TENSION(FD)(ING)
QTY	QUANTITY
R	RADIUS,RADII
RC	REINFORCED CONCRETE
RD	ROOF DRAIN
REINF	REINFORCING, REINFORCEMENT
REQ('D)	REQUIRE(D)
REV	REVIS(E)(ED)(ION)
RTU	ROOF TOP UNITS
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SL	SNOW LOAD
SOG	SLAB ON GRADE
SPA	SPACE OR SPACING
SQ	SQUARE
SQ(FT)	SQUARE FOOT/FEET
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTUR(E)(AL)
T&B	TOP&BOTTOM
T/	TOP OF
TBE	TOP OF BEAM ELEVATION
TDE	TOP OF DECK ELEVATION
TEMP	TEMPORARY
TFE	TOP OF FOOTING ELEVATION
THRD	THREAD(ED)
TJE	TOP OF JOIST ELEVATION
TLE	TOP OF LEDGE ELEVATION
TME	TOP OF MASONRY ELEVATION
TO	TOP OF
TOS	TOP OF STEEL
TPG	TOPPING
TRTD	TREATED
TS	THICKENED SLAB
TSE	TOP OF SLAB ELEVATION
TWE	TOP OF WALL ELEVATION
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WF	WIDE FLANGE
WGHT	WEIGHT
WP	WORK POINT
WT	STRUCTURAL TEE(STRUCT SHAPE)
WWR	WELDED WIRE REINFORCEMENT

C:\Users\mmorris\Documents\New Rochelle HS Front Stairs Structural_mmorrisLVPUY.rvt

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Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

PATRICK JAMES WILLIAMS
100938
Expiration Date: 4/30/2027
Certificate of Authorization: 018217

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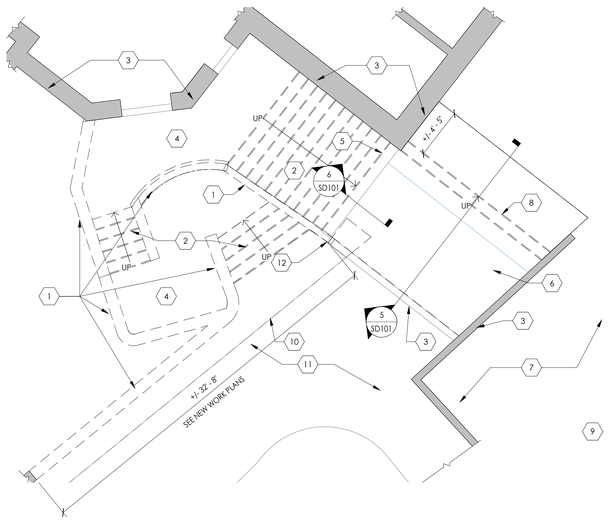
Sheet Title
GENERAL NOTES, SCHEDULES, AND SPECIAL INSPECTIONS

Sheet No.
NRHS
S001

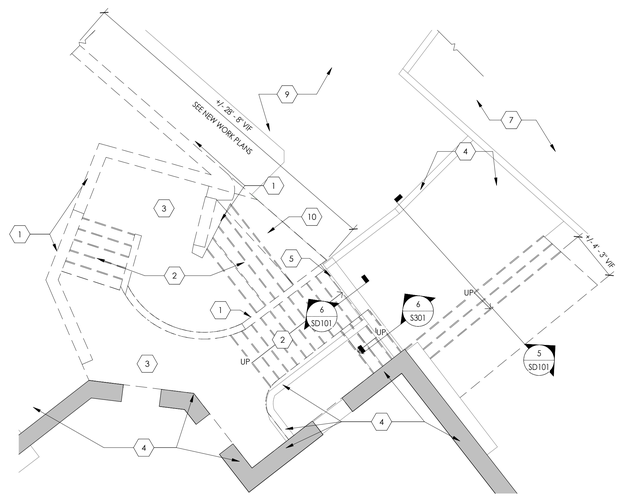
CONSTRUCTION DOCUMENTS



1 STAIRS D-102 - DEMO PLAN

0" 2" 4" 8" 16"
3/16" = 1'-0"

#	STAIRS D-102 - DEMO PLAN KEYNOTES
1	REMOVE EXISTING CONCRETE AND/OR BRICK WALL IN ITS ENTIRETY
2	REMOVE EXISTING CONCRETE STAIRS IN ITS ENTIRETY
3	EXISTING WALL TO REMAIN
4	REMOVE EXISTING CONCRETE SLAB
5	EXISTING WALL BELOW TO REMAIN
6	REMOVE EXISTING PAVER SYSTEM, CONCRETE TOPPING SLAB, INSULATION AND WATERPROOFING MEMBRANE DOWN TO STRUCTURAL SLAB
7	EXISTING TERRACE TO REMAIN
8	REMOVE EXISTING CONCRETE STAIRS, INSULATION AND WATERPROOFING MEMBRANE DOWN TO STRUCTURAL SLAB
9	PARTIAL REMOVAL OF EXISTING CONCRETE WALL, SEE DETAIL
10	REMOVE EXISTING CONCRETE SIDEWALK
11	EXISITING CONCRETE SIDEWALK TO REMAIN
12	EXISITING EXPANSION JOINT LOCATION, TO REMAIN



2 STAIRS D-103 - DEMO PLAN

0" 2" 4" 8" 16"
3/16" = 1'-0"

#	STAIRS D-103 - DEMO PLAN KEYNOTES
1	REMOVE EXISTING CONCRETE AND/OR BRICK WALL IN ITS ENTIRETY
2	REMOVE EXISTING CONCRETE STAIRS IN ITS ENTIRETY
3	EXISTING WALL TO REMAIN
4	REMOVE EXISTING CONCRETE SLAB
5	EXISTING WALL BELOW TO REMAIN
6	REMOVE EXISTING PAVER SYSTEM, CONCRETE TOPPING SLAB, INSULATION AND WATERPROOFING MEMBRANE DOWN TO STRUCTURAL SLAB
7	EXISTING TERRACE TO REMAIN
8	REMOVE EXISTING CONCRETE STAIRS, INSULATION AND WATERPROOFING MEMBRANE DOWN TO STRUCTURAL SLAB
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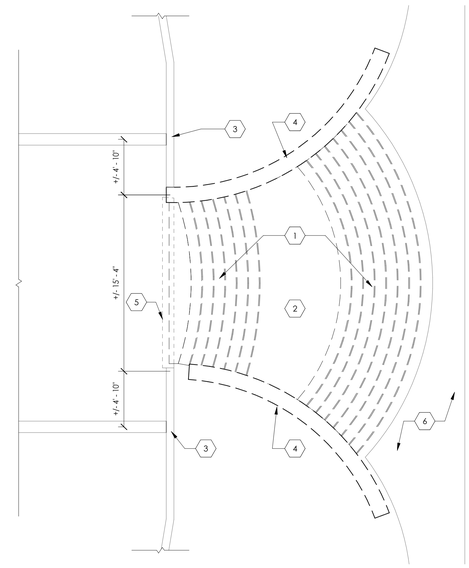
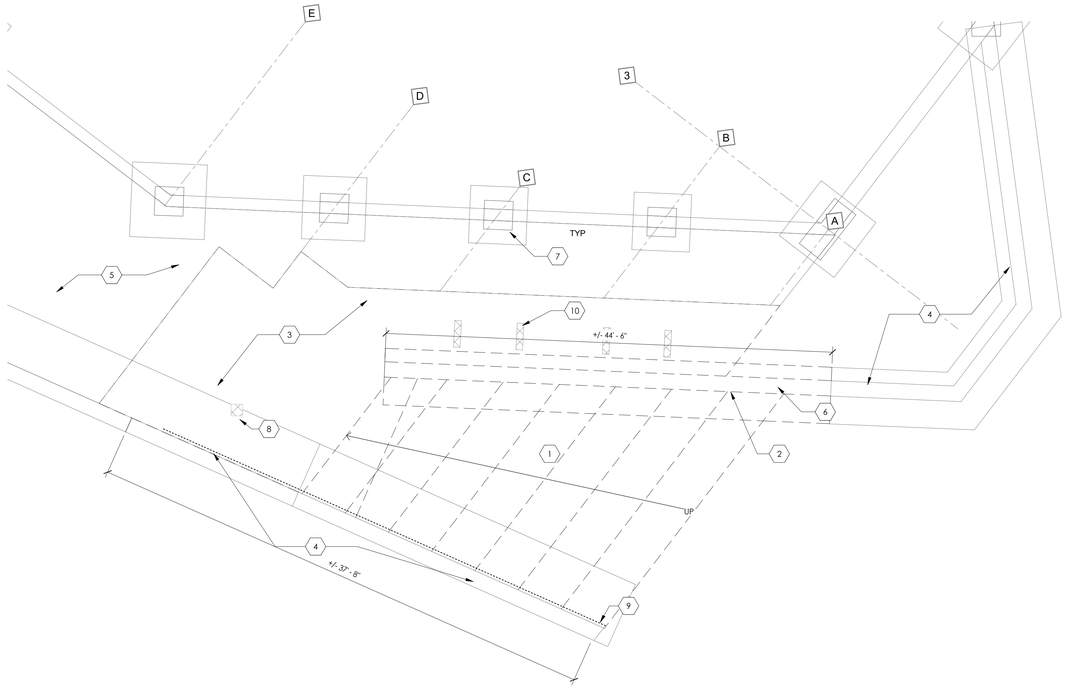
10	REMOVE EXISTING CONCRETE SIDEWALK
11	EXISITING CONCRETE SIDEWALK TO REMAIN
12	EXISITING EXPANSION JOINT LOCATION, TO REMAIN



3 FRONT ENTRANCE STAIR - DEMO PLAN

0" 2" 4" 8" 16"
3/16" = 1'-0"

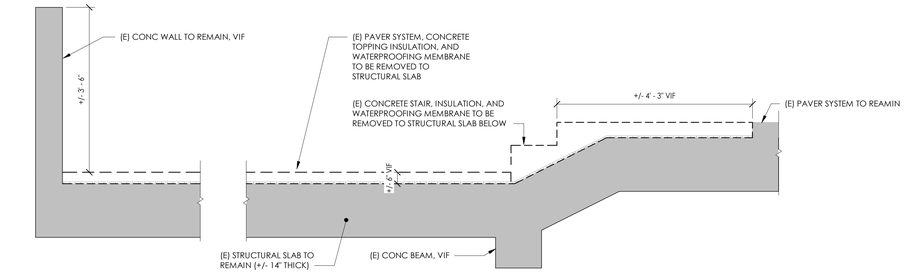
#	FRONT ENTRANCE STAIR - DEMO PLAN KEYNOTES
1	REMOVE EXISTING CONCRETE STAIRS IN ITS ENTIRETY
2	REMOVE EXISTING CONCRETE SLAB
3	EXISTING WALL TO REMAIN
4	REMOVE EXISTING CONCRETE RETAINING WALL IN ITS ENTIRETY
5	EXISTING LIBRARY WALL BELOW TO REMAIN
6	EXISTING SOG TO REMAIN



4 AUDITORIUM ENTRANCE STAIR - DEMO PLAN

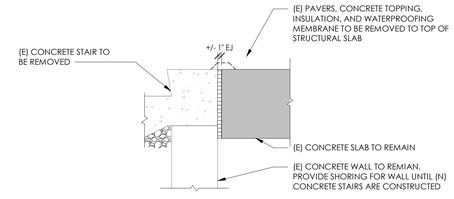
0" 2" 4" 8" 16"
3/16" = 1'-0"

#	AUDITORIUM ENTRANCE STAIR - DEMO PLAN KEYNOTES
1	REMOVE EXISTING CONCRETE STAIRS IN ITS ENTIRETY
2	REMOVE EXISTING CONCRETE RETAINING WALL IN ITS ENTIRETY
3	REMOVE EXISTING SOG
4	EXISTING WALL TO REMAIN
5	EXISTING SOG TO REMAIN
6	EXISTING RETAINING WALL CONSTRUCTION JOINT LOCATION
7	EXISTING FOOTING AND PIER TO REMAIN
8	EXISTING CATCH BASIN TO BE BE REPLACED, SEE CIVIL
9	EXISTING BRICK VENEER TO BE REMOVED ON INTERIOR FACE OF WALL
10	EXISTING BENCH AND ASSOCIATED FOOTINGS TO BE REMOVED



5 DEMO SECTION

0" 6" 1' 2' 4"
3/4" = 1'-0"



6 DEMO SECTION

0" 6" 1' 2' 4"
3/4" = 1'-0"

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PASSERO engineering architecture
STRUCTURAL

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
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Sheet Title
DEMO FOUNDATION AND FRAMING PLANS

Sheet No.
NRHS SD101

CONSTRUCTION DOCUMENTS

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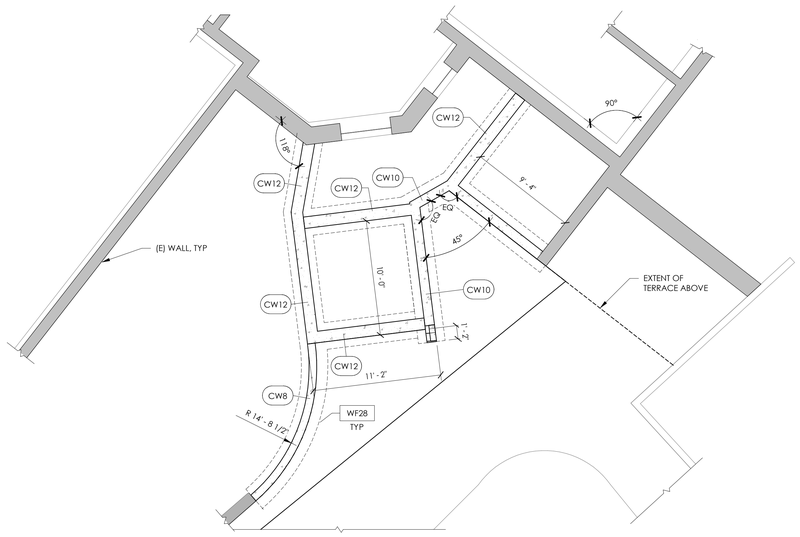


1 STAIR D-102 FOUNDATION PLAN

0' 2' 4' 8' 16'
3/16" = 1'-0"

2 STAIR D-102 - STAIR PLAN

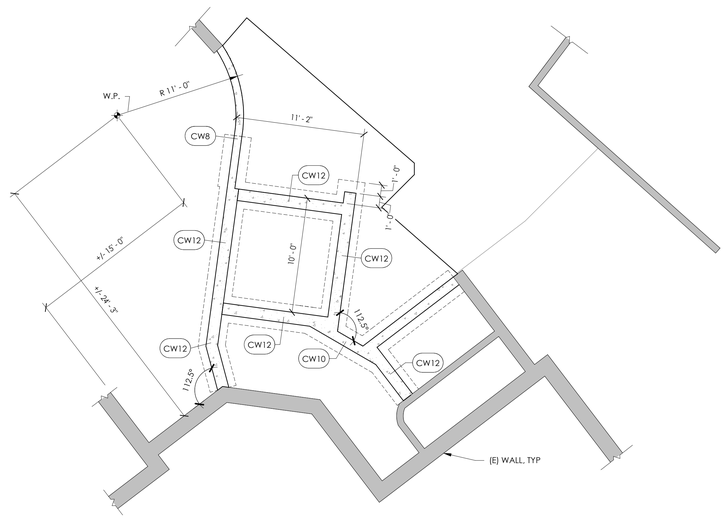
0' 2' 4' 8' 16'
3/16" = 1'-0"

FOUNDATION PLAN NOTES

1. SEE SHEET S001 FOR GENERAL NOTES, DESIGN CRITERIA, SCHEDULES, AND LEGENDS.
2. SEE SHEET S500 SERIES FOR TYPICAL DETAILS
3. FINISH FLOOR REFERENCE ELEVATION = 0' - 0" = AS SHOWN ON PLAN, PER CIVIL DRAWINGS
4. TOP OF FOUNDATION IS 4'-0" BELOW ADJACENT FINISHED GRADE ELEVATION, UNLESS OTHERWISE NOTED ON PLAN AS (-X' - X") RELATIVE TO TOP OF FINISHED FLOOR REFERENCE ELEVATION.
5. ALL DIMENSIONS BETWEEN AND RELATING TO EXISTING COLUMN GRIDS TO BE VERIFIED IN FIELD.
6. COORDINATE WITH CIVIL, ARCH AND MEP DRAWINGS ON ANY REQUIRED PENETRATIONS THROUGH FOUNDATION WALLS.
7. PROVIDE BROOM FINISH ON ALL HORIZONTAL SURFACES.

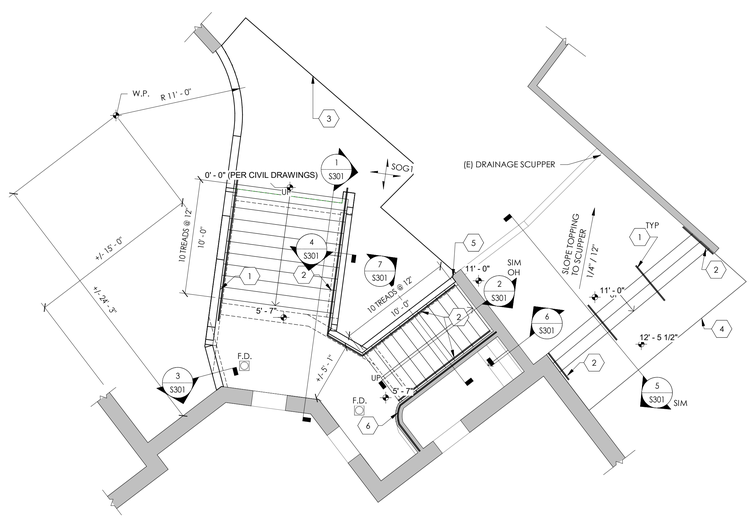
STAIRS D-102 - STAIR PLAN KEYNOTES

1 STANDARD GALVANIZED STEEL PIPE RAILING, TYP
2 STANDARD WALL MOUNTED GALVANIZED STEEL PIPE RAILING, TYP
3 REMOVE AND REPLACE (E) SIDEWALK AS REQUIRED TO FACILITATE RECONSTRUCTION OF STAIR. PROVIDE CLEAN SAWCUT LINE
4 AREA OF LIGHTWEIGHT CONCRETE TOPPING SLAB OVER FLUID-APPLIED DAMPPROOFING MEMBRANE AND DRAINAGE BOARD APPLIED TO (E) STRUCTURE
5 MAINTAIN 1" EXPANSION JOINT BETWEEN STAIRS AND ELEVATED TERRACE
6 SANDBLAST EXISTING RAILING AND REPAINT WITH ZINC RICH PRIMER AND FINISH PAINT



3 STAIR D-103 - FOUNDATION PLAN

0' 2' 4' 8' 16'
3/16" = 1'-0"



4 STAIR D-103 - STAIR PLAN

0' 2' 4' 8' 16'
3/16" = 1'-0"

FOUNDATION PLAN NOTES

1. SEE SHEET S001 FOR GENERAL NOTES, DESIGN CRITERIA, SCHEDULES, AND LEGENDS.
2. SEE SHEET S500 SERIES FOR TYPICAL DETAILS
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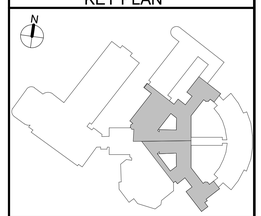
STAIRS D-103 - STAIR PLAN KEYNOTES

1 STANDARD GALVANIZED STEEL PIPE RAILING, TYP
2 STANDARD WALL MOUNTED GALVANIZED STEEL PIPE RAILING, TYP
3 REMOVE AND REPLACE (E) SIDEWALK AS REQUIRED TO FACILITATE RECONSTRUCTION OF STAIR. PROVIDE CLEAN SAWCUT LINE
4 AREA OF LIGHTWEIGHT CONCRETE TOPPING SLAB OVER FLUID-APPLIED DAMPPROOFING MEMBRANE AND DRAINAGE BOARD APPLIED TO (E) STRUCTURE
5 MAINTAIN 1" EXPANSION JOINT BETWEEN STAIRS AND ELEVATED TERRACE
6 SANDBLAST EXISTING RAILING AND REPAINT WITH ZINC RICH PRIMER AND FINISH PAINT

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

Expiration Date: 4/30/2027
Certificate of Authorization: 018217

SE	DATE	DESCRIPTION

Drawn By:	MATTHEW MORRIS
Checked By:	LAURA ALEXANDER, PE, SE
Proj. #:	66-11-00-01-3-001-023
CSArch Proj. #:	18F-2301.01
Issued for Bid:	10-14-2024

Sheet Title

FOUNDATION AND FRAMING PLANS

Sheet No.

NRHS S101

CONSTRUCTION DOCUMENTS

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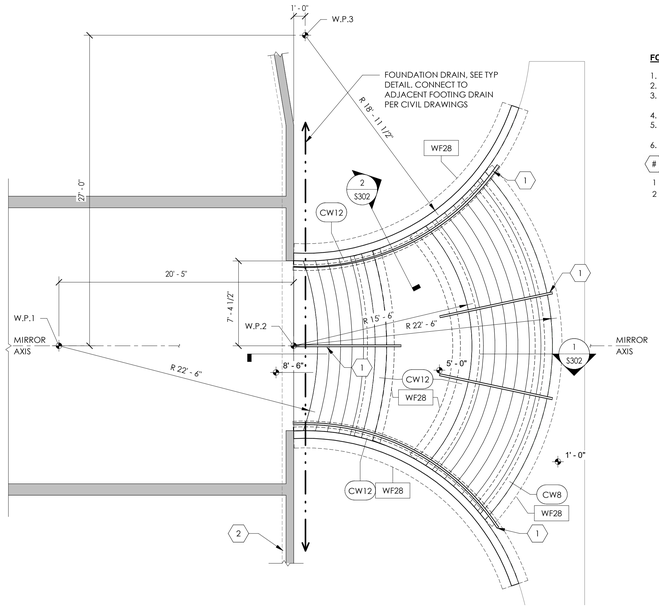


FOUNDATION PLAN NOTES

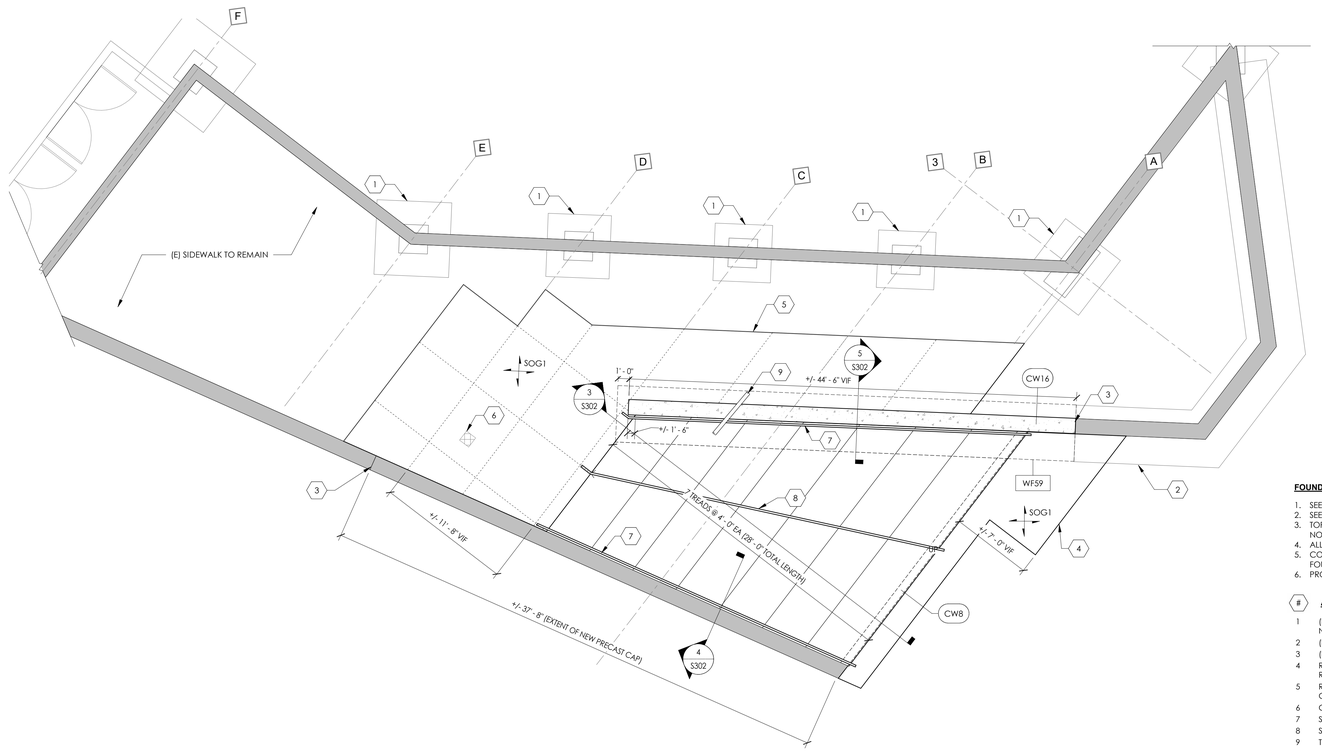
1. SEE SHEET S001 FOR GENERAL NOTES, DESIGN CRITERIA, SCHEDULES, AND LEGENDS.
2. SEE SHEET S500 SERIES FOR TYPICAL DETAILS
3. TOP OF FOUNDATION IS 4'-0" BELOW ADJACENT FINISHED GRADE ELEVATION, UNLESS OTHERWISE NOTED ON PLAN AS [-X' - X"] RELATIVE TO TOP OF FINISHED FLOOR REFERENCE ELEVATION.
4. ALL DIMENSIONS BETWEEN AND RELATING TO EXISTING COLUMN GRIDS TO BE VERIFIED IN FIELD.
5. COORDINATE WITH CIVIL, ARCH AND MEP DRAWINGS ON ANY REQUIRED PENETRATIONS THROUGH FOUNDATION WALLS.
6. PROVIDE BROOM FINISH ON ALL HORIZONTAL SURFACES

 # STAIRS D-103 - FOUNDATION PLAN KEYNOTES

1 STANDARD GALVANIZED STEEL PIPE RAILING, TYP
2 (E) LIBRARY WALL BELOW

1 FRONT ENTERANCE - FOUNDATION PLAN

0" 2" 4" 8" 16"
3/16" = 1'-0"



FOUNDATION PLAN NOTES

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3. TOP OF FOUNDATION IS 4'-0" BELOW ADJACENT FINISHED GRADE ELEVATION, UNLESS OTHERWISE NOTED ON PLAN AS [-X' - X"] RELATIVE TO TOP OF FINISHED FLOOR REFERENCE ELEVATION.
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6. PROVIDE BROOM FINISH ON ALL HORIZONTAL SURFACES

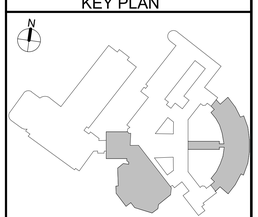
 # AUDITORIUM - FOUNDATION PLAN KEYNOTES

1 (E) BUILDING FOUNDATIONS TO REMAIN. CARE SHALL BE TAKEN DURING CONSTRUCTION TO NOT DISTURB (E) BUILDING STRUCTURE
2 (E) RETAINING WALL FOOTING BELOW
3 (E) RETAINING WALL EXPANSION JOINT, VIF
4 REMOVE AND REPLACE (E) SIDEWALK TO NEAREST SAWCUT JOINT AS REQUIRED TO FACILITATE RECONSTRUCTION OF RETAINING WALL AND STAIR
5 REMOVE AND REPLACE (E) SIDEWALK TO NEAREST SAWCUT JOINT AS REQUIRED TO FACILITATE CONSTRUCTION OF RETAINING WALL
6 CATCH BASIN SEE CIVIL
7 STANDARD WALL MOUNTED GALVANIZED STEEL PIPE RAILING, TYP
8 STANDARD POST MOUNTED GALVANIZED STEEL PIPE RAILING, TYP
9 THRU WALL PIPE PENETRATION, COORDINATE LOCATION AND ELEVATION WITH CIVIL

2 AUDITORIUM - FOUNDATION PLAN

0" 2" 4" 8" 16"
3/16" = 1'-0"

KEY PLAN



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Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

PATRICK JAMES WILLIAMS — STATE OF NEW YORK — 109935 — LICENSED PROFESSIONAL ENGINEER
Expiration Date: 4/30/2027
Certificate of Authorization: 018217

#	DATE	DESCRIPTION

Drawn By:	MATTHEW MORRIS
Checked By:	LAURA ALEXANDER, PE, SE
Proj. #:	66-11-00-01-0-001-030
CSArch Proj. #:	188-2301.01
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Sheet Title
FOUNDATION AND FRAMING PLANS

Sheet No.
NRHS S102

CONSTRUCTION DOCUMENTS

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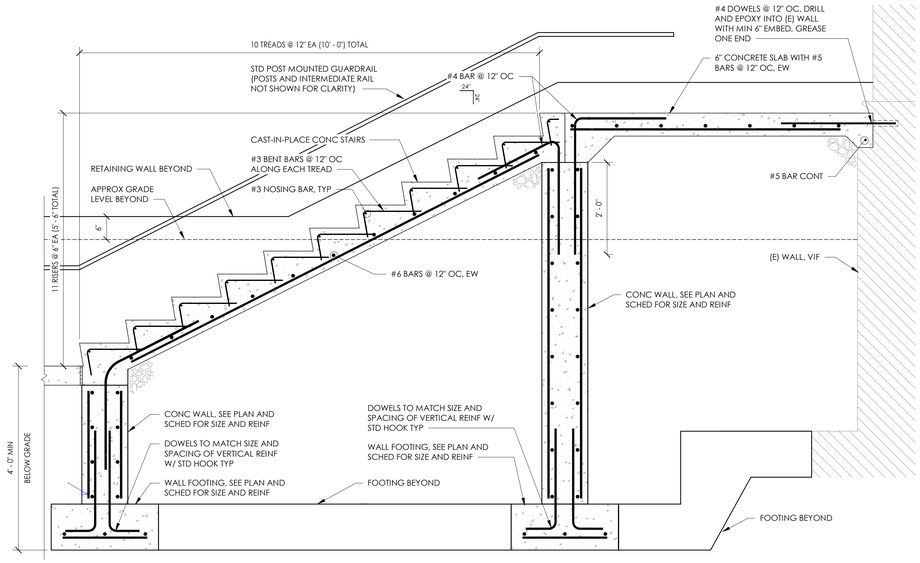
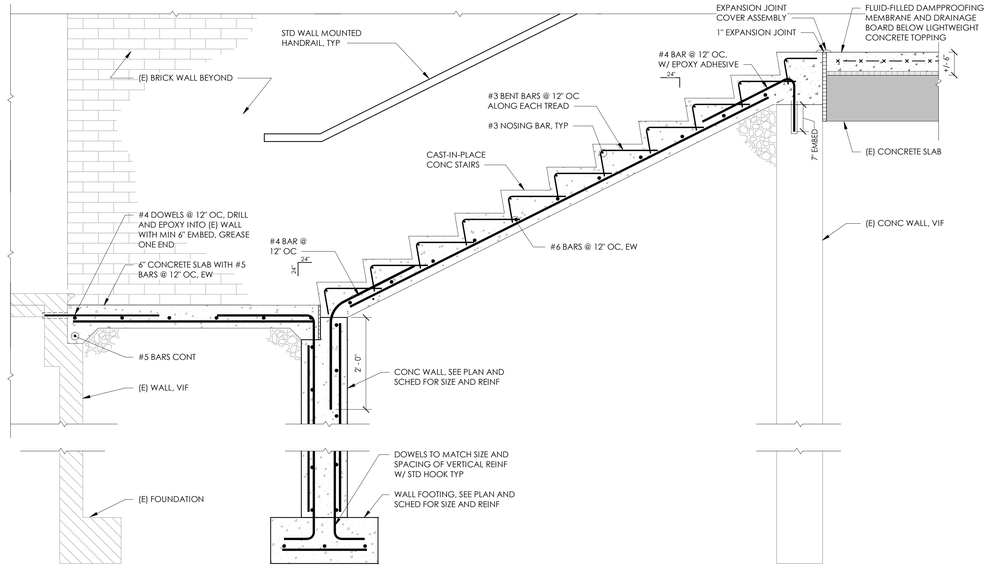


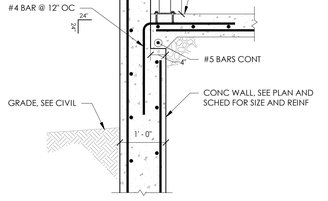
1 STAIR SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



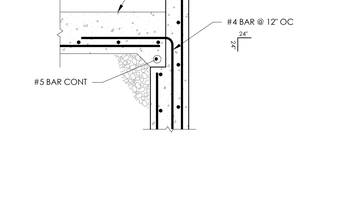
2 STAIR SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



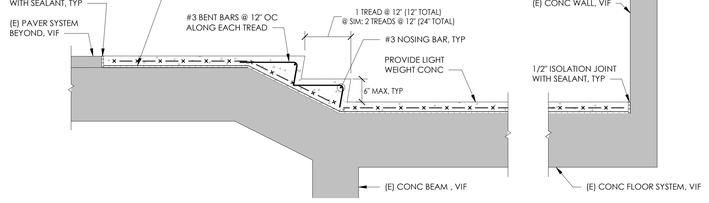
3 STAIR SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



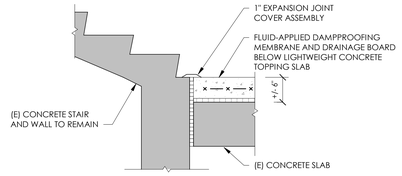
4 STAIR SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



5 STAIR SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



6 STAIR SECTION

0" 1' 2' 4' 8'
3/4" = 1'-0"

7 STAIR SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"

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2023 CAPITAL PROJECT - PHASE 1

Project Title

STATE OF NEW YORK
PATRICK JAMES WILLIAMS
100939
LICENSED PROFESSIONAL ENGINEER
Expiration Date: 4/30/2027
Certificate of Authorization: 018217

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Drawn By:	MATTHEW MORRIS
Checked By:	LAURA ALEXANDER, PE, SE
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Sheet Title

SECTIONS & DETAILS

Sheet No.

NRHS S301

CONSTRUCTION DOCUMENTS

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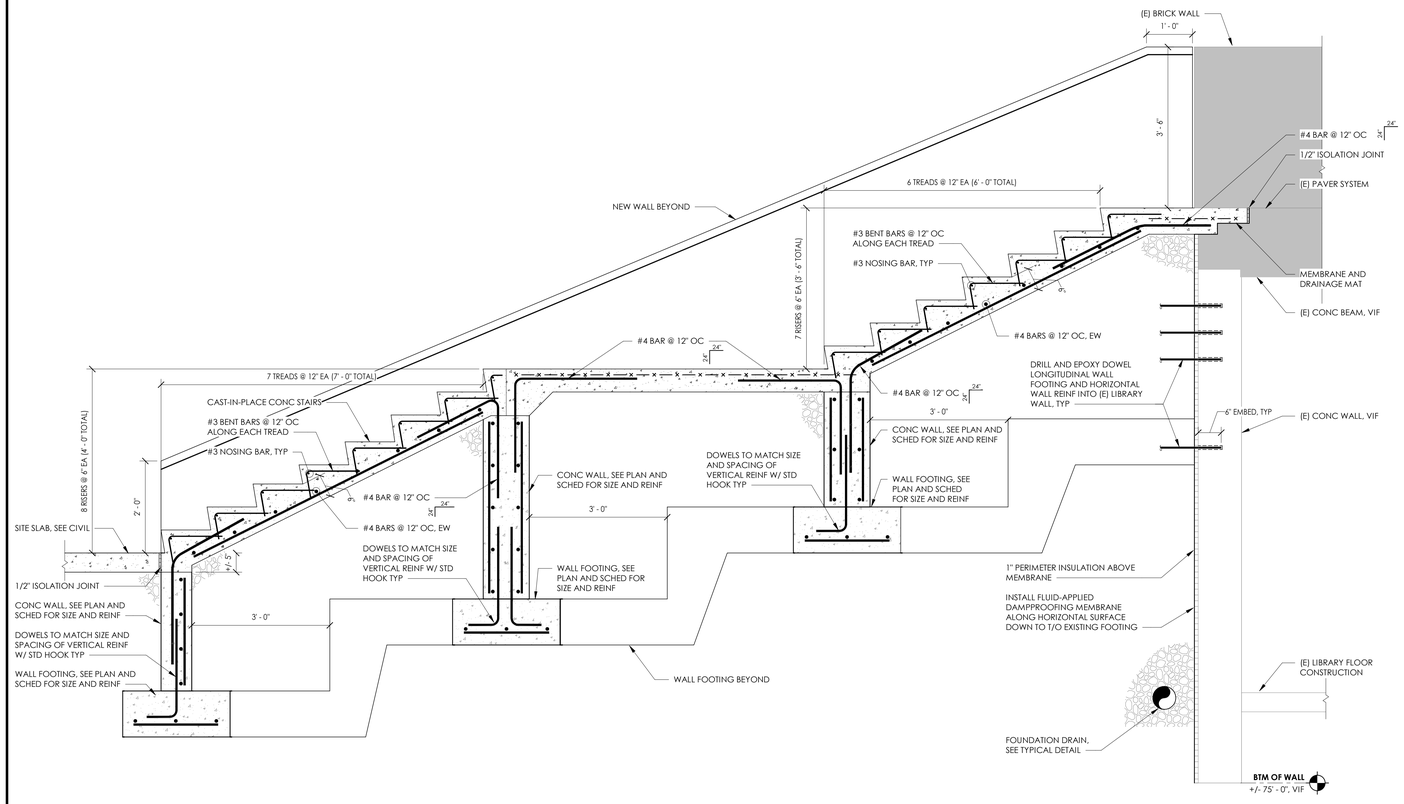
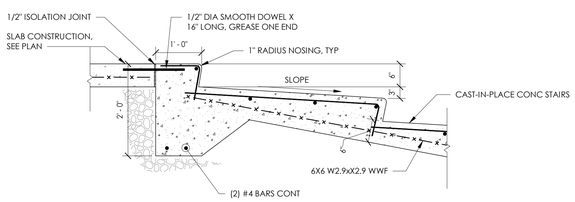


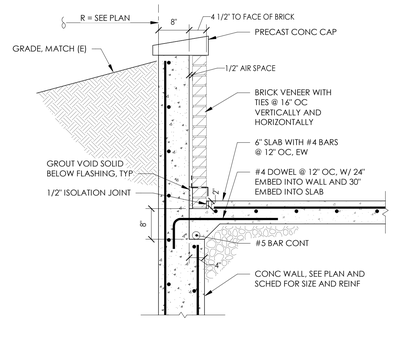
1 STAIR SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



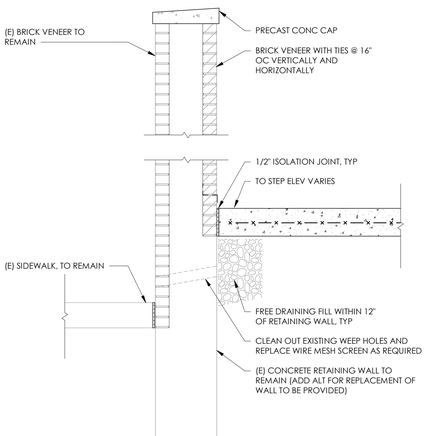
3 FOUNDATION SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



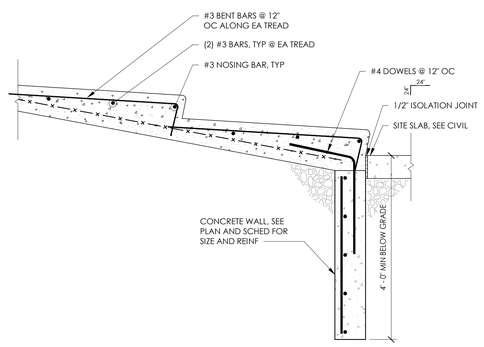
2 STAIR SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



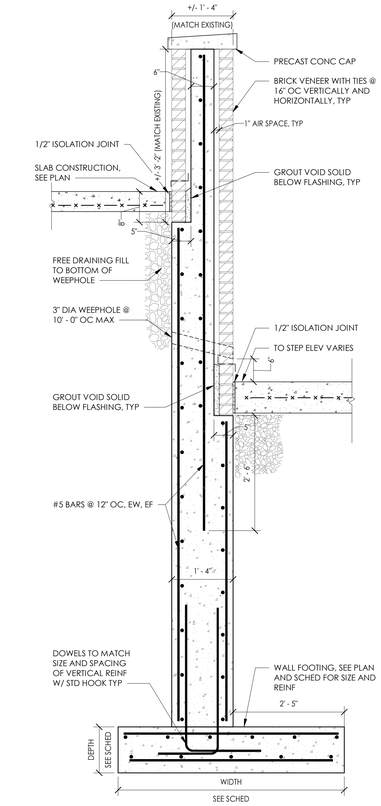
4 FOUNDATION SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



5 FOUNDATION SECTION

0" 6" 1' 2' 4'
3/4" = 1'-0"



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NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

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Drawn By:	MATTHEW MORRIS
Checked By:	LAURA ALEXANDER, PE, SE
Proj. #:	66-11-00-01-0-001-030
CSArch Proj. #:	108-23010
Issued for Bid:	10.14.2024

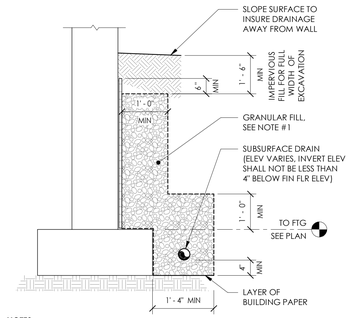
Sheet Title

SECTIONS & DETIALS

Sheet No.

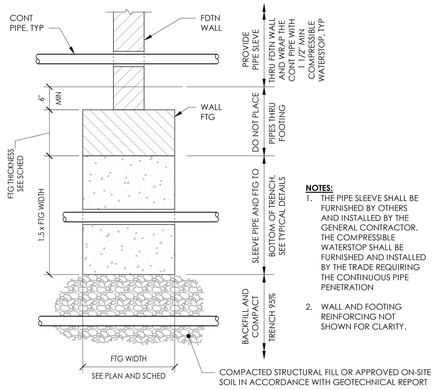
NRHS S302

CONSTRUCTION DOCUMENTS



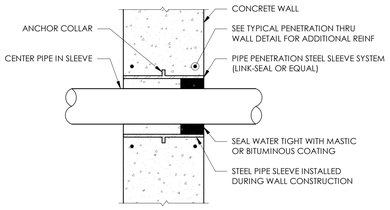
NOTES:
1. CONTRACTOR MAY SUBSTITUTE A PREFABRICATED DRAINAGE STRUCTURE FOR GRANULAR FILL & FILTER CLOTH. PREFABRICATED DRAINAGE STRUCTURE SHALL BE PLACED AGAINST THE WALL AND AROUND SUBSURFACE DRAIN IN ACCORDANCE WITH THE MANUF RECOMMENDED. THE FOLLOWING PREFABRICATED DRAINAGE STRUCTURES ARE ACCEPTABLE:
   A. MIRADRAIN 6200
   B. AMER DRAIN 500
   C. HYDRODUCT 200
2. SEE TYPICAL SLAB-ON-GRADE DETAIL THIS SHEET FOR SLAB DETAILS NOT SHOWN.

1 FOUNDATION DRAIN
N.T.S.



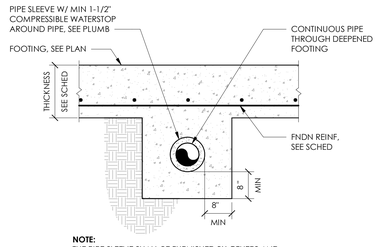
NOTES:
1. THE PIPE SLEEVE SHALL BE FURNISHED BY OTHERS AND INSTALLED BY THE GENERAL CONTRACTOR. THE COMPRESSIBLE WATERSTOP SHALL BE FURNISHED AND INSTALLED BY THE TRADE REQUIRING THE CONTINUOUS PIPE PENETRATION
2. WALL AND FOOTING REINFORCING NOT SHOWN FOR CLARITY.

2 TYPICAL PIPES AT FOUNDATION
N.T.S.



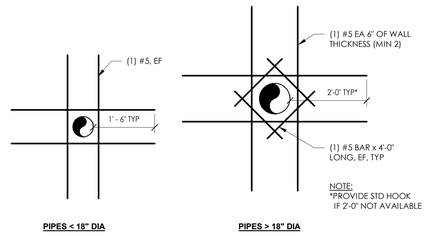
NOTE:
1. SLEEVE DIAMETER SHALLBE > 2X PIPE DIAMETER

3 PIPE SLEEVE BELOW GRADE
N.T.S.



NOTE:
THE PIPE SLEEVE SHALL BE FURNISHED BY OTHERS AND INSTALLED BY GENERAL CONTRACTOR. THE COMPRESSIBLE WATERSTOP SHALL BE FURNISHED AND INSTALLED BY THE TRADE REQUIRING THE CONTINUOUS PIPE PENETRATION.

4 DEEPENED FOOTING @ PIPE
N.T.S.

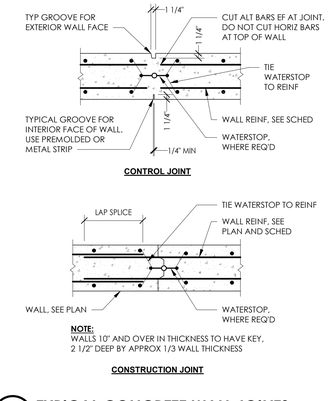


PIPES < 18" DIA

NOTE:
*PROVIDE STD HOOK IF 2'-0" NOT AVAILABLE

PIPES > 18" DIA

5 TYPICAL PIPE OPENING IN CONCRETE WALL
N.T.S.

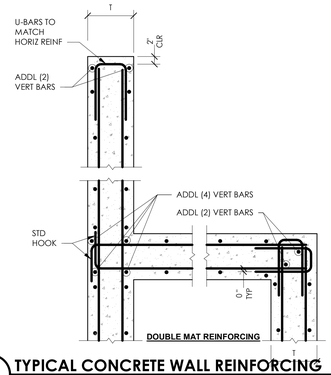


CONTROL JOINT

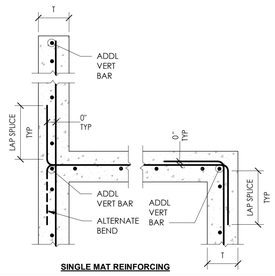
NOTE:
WALLS 10" AND OVER IN THICKNESS TO HAVE KEY, 2 1/2" DEEP BY APPROX 1/3 WALL THICKNESS

CONSTRUCTION JOINT

6 TYPICAL CONCRETE WALL JOINTS
N.T.S.

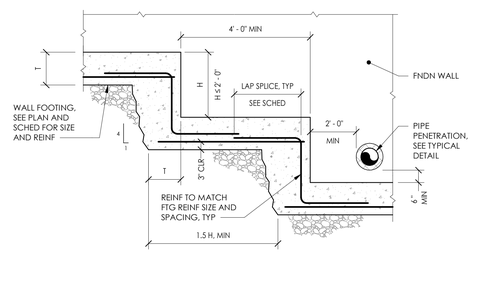


DOUBLE MAT REINFORCING

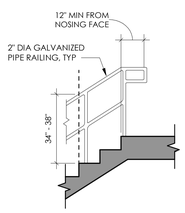


SINGLE MAT REINFORCING

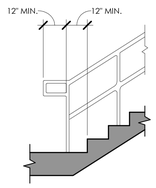
7 TYPICAL CONCRETE WALL REINFORCING
N.T.S.



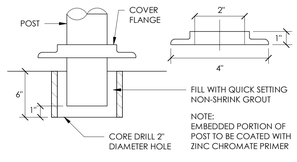
8 TYPICAL WALL FOOTING STEP DETAIL
N.T.S.



TOP HANDRAIL EXTENSION AT STAIRS



BOTTOM HANDRAIL EXTENSION AT STAIRS



COVER FLANGE ASSEMBLY

9 HANDRAIL EXTENSIONS
N.T.S.

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

Expiration Date: 4/30/2027
Certificate of Authorization: 018217

No.	DATE	DESCRIPTION

Drawn By:	MATTHEW MORRIS
Checked By:	LAURA ALEXANDER, PE, SE
Proj. #:	66-11-00-01-0-001-030
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Issued for Bid:	10-14-2024

Sheet Title

TYPICAL DETAILS

Sheet No.

NRHS S501

CONSTRUCTION DOCUMENTS

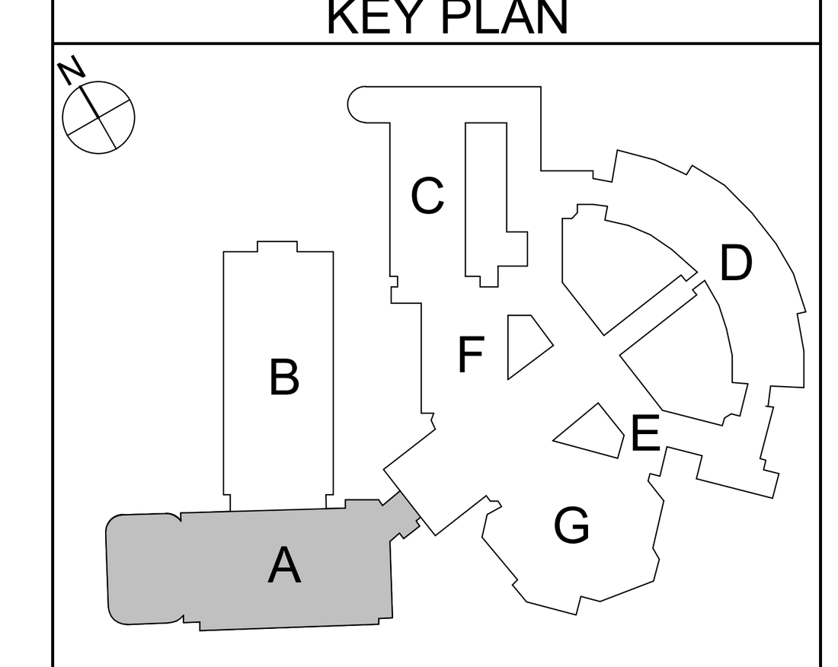
C:\Users\mmorris\Documents\New Rochelle HS Front Stairs Structural_mmorris\LVPAJY.rvt

1 AREA 'A' SECOND FLOOR DEMO PLAN
AD121 3/32" = 1'-0"

GENERAL DEMOLITION NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN..

KEY PLAN



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Consultant

Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK

Expiration Date: 02/28/2025

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Issued for Bid:	10/14/2024

Sheet Title
AREA 'A' PARTIAL SECOND FLOOR DEMO PLAN

Sheet No.
NRHS AD121

CONSTRUCTION DOCUMENTS

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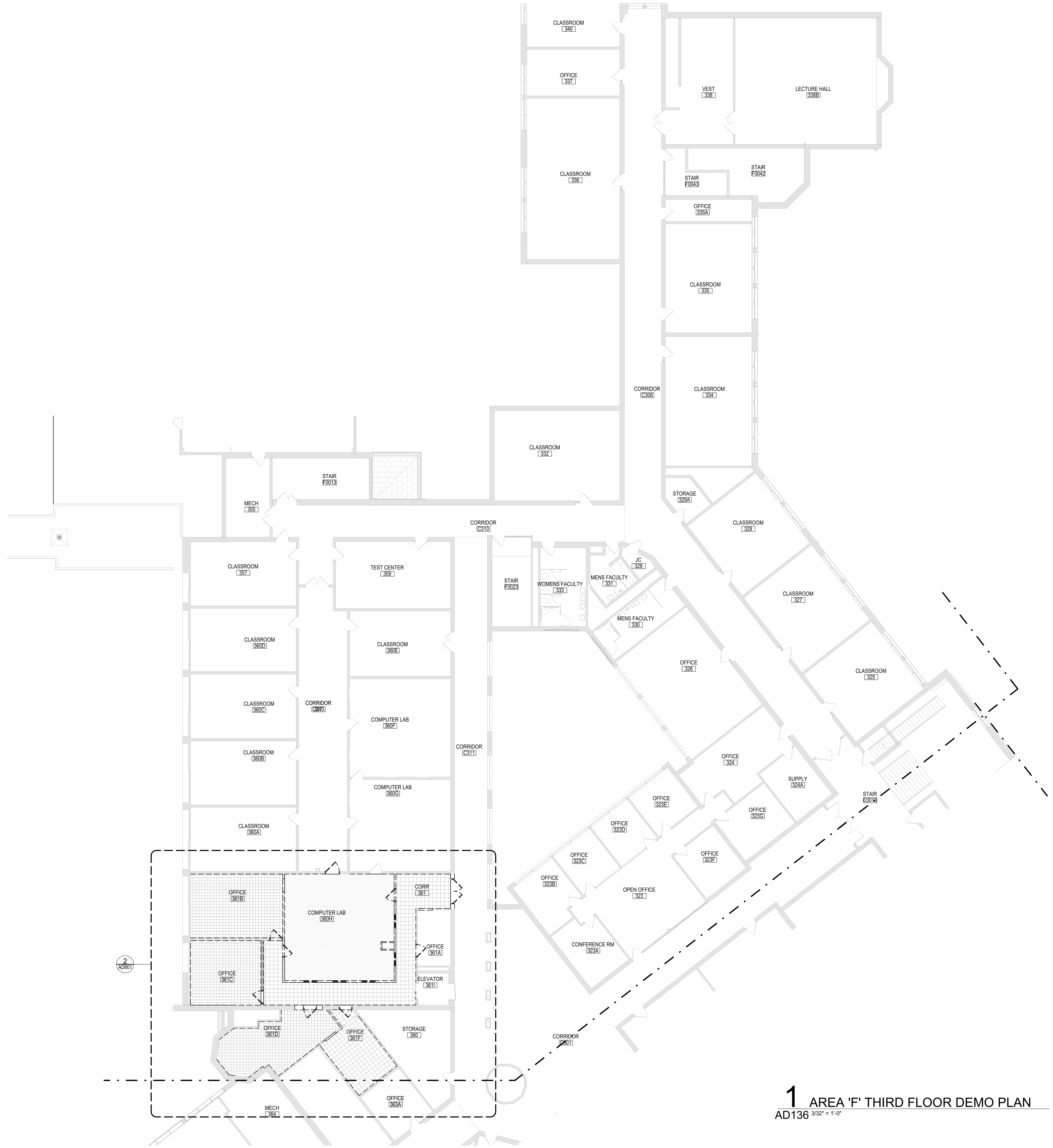
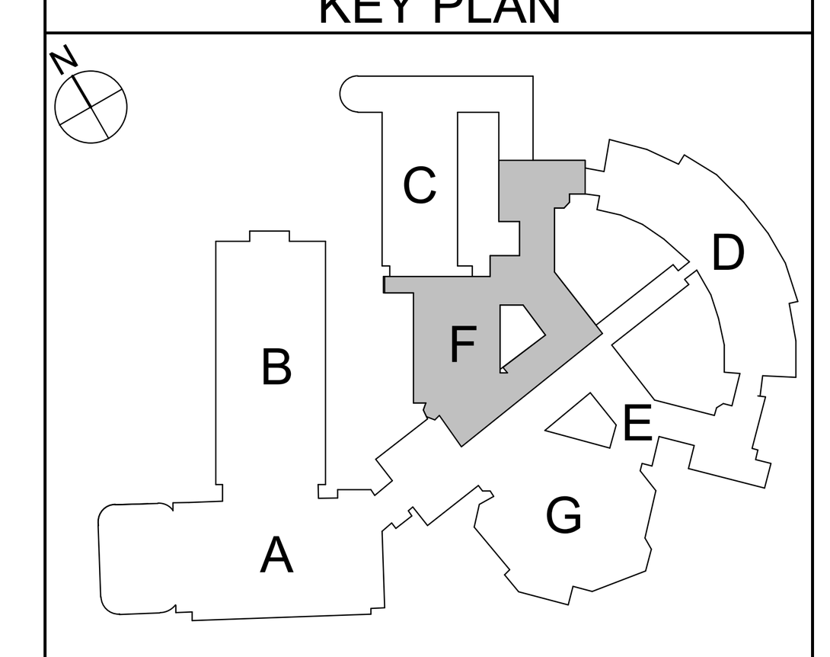


1 AREA 'F' THIRD FLOOR DEMO PLAN
AD136 3/32" = 1'-0"

GENERAL DEMOLITION NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN..

KEY PLAN



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REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK

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Sheet Title

AREA 'F' PARTIAL THIRD FLOOR DEMO PLAN

Sheet No.

NRHS AD136

CONSTRUCTION DOCUMENTS

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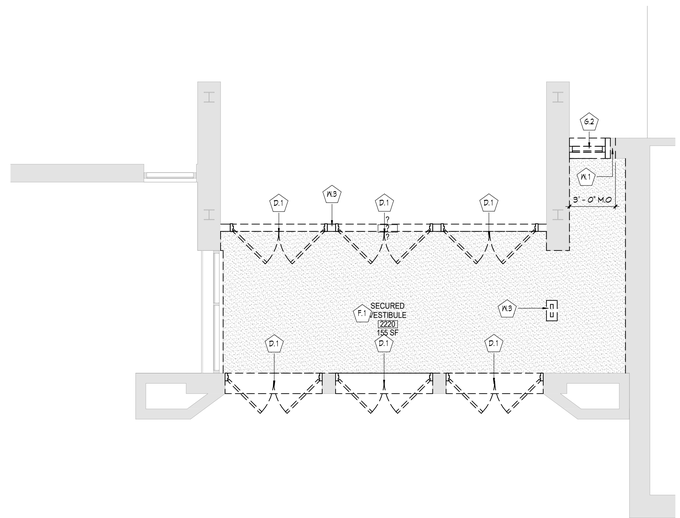
2 AREA 'F' - ENLARGED DEAD END CORRIDOR DEMOLITION PLAN

AD601 1/4" = 1'-0"



1 AREA 'A' SECOND FLOOR DEMO SECURITY VESTIBULE

AD601 1/4" = 1'-0"

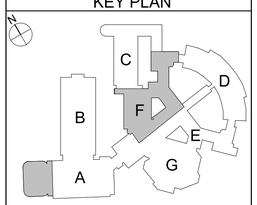
GENERAL DEMOLITION NOTES

1. COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

KEYNOTES

#	DESCRIPTION
D.1	REMOVE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY.
F.1	REMOVE FLOOR FINISH, INCLUDING ALL PADDING, ADHESIVES AND WALL BASE, TO SLAB BELOW.
F.4	REMOVE EXISTING VAT FLOORING INCLUDING ALL PADDING, ADHESIVES AND WALL BASE, DOWN TO THE SLAB BELOW. COORDINATE WITH ABATEMENT AND NEW WORK DRAWINGS.
G.1	REMOVE WINDOW SYSTEM IN ITS ENTIRETY, INCLUDING ALL SILLS, FLASHING AND FASTENERS.
G.2	REMOVE STOREFRONT SYSTEM IN ITS ENTIRETY, INCLUDING ALL DOORS, HARDWARE, AND ANCHORING DEVICES.
W.1	SAWCUT AND REMOVE MASONRY WALL IN ITS ENTIRETY.
W.2	SAWCUT AND REMOVE MASONRY WALL FOR EXTENT SHOWN, COORDINATE REMOVAL WITH NEW WORK.
W.3	REMOVE PARTITION IN ITS ENTIRETY.
W.22	SAWCUT AND REMOVE WALLBOARD TO THE EXTENT SHOWN.

KEY PLAN



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Sheet Title

ENLARGED DEMOLITION PLANS

Sheet No.

NRHS
AD601

CONSTRUCTION DOCUMENTS

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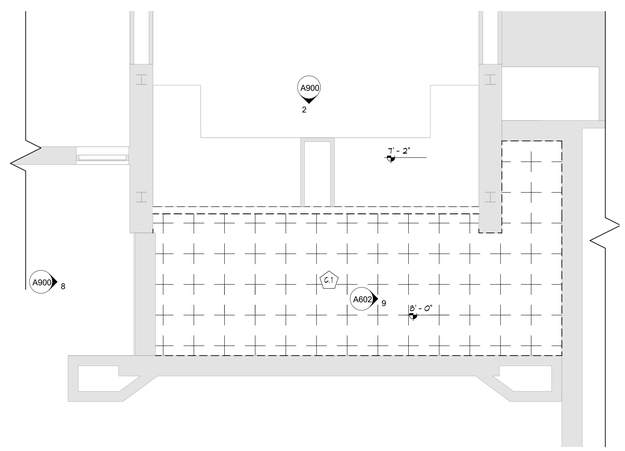
2 AREA 'F' THIRD FLOOR PARTIAL RCP DEMOLITION PLAN
AD801 1/4" = 1'-0"



1 ENLARGED SECURITY VESTIBULE DEMOLITION RCP
AD801 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. COORDINATE ALL PHASING WITH NEW CONSTRUCTION.
2. PATCH AND REPLACE EXISTING AND NEWLY CREATED HOLES IN WALLS (DUE TO REMOVAL) WITH MATERIALS TO MATCH EXISTING CONSTRUCTION.
3. SALVAGED ITEMS SHALL BE TURNED OVER TO OWNER, UNO
4. ALL KEYED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORING SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5. REFER TO ASBESTOS AND MEP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6. PROVIDE TEMPORARY SHORING AS NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7. DRILL CORNERS OF ALL NEW SAWCUT OPENING PRIOR TO SAWCUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

REMOVAL LEGEND

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

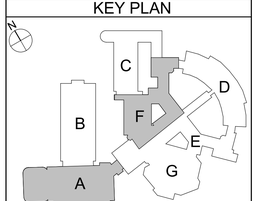
CEILING LEGEND

- GWB OR LAY-IN CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE
- 2X4 SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- SPLINE CEILING SYSTEM
- x'-x" CEILING HEIGHT ABOVE FINISHED FLOOR

KEYNOTES

#	DESCRIPTION
C.1	REMOVE EXISTING SUSPENDED CEILING SYSTEM IN ITS ENTIRETY, INCLUDING ALL HANGERS AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
C.4	REMOVE AND SALVAGE EXISTING SUSPENDED CEILING PANELS FOR REINSTALLATION. SUSPENDED CEILING GRID SYSTEM TO REMAIN IN ITS ENTIRETY.
E.1	LIGHT FIXTURE REMOVAL, REFER TO 'E' DRAWINGS AND ABATEMENT DRAWINGS AND REPORT.

KEY PLAN



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2023 CAPITAL PROJECT - PHASE 1

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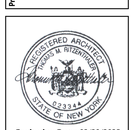

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Sheet Title

ENLARGED DEMOLITION RCPS

Sheet No.

NRHS
AD801

CONSTRUCTION DOCUMENTS

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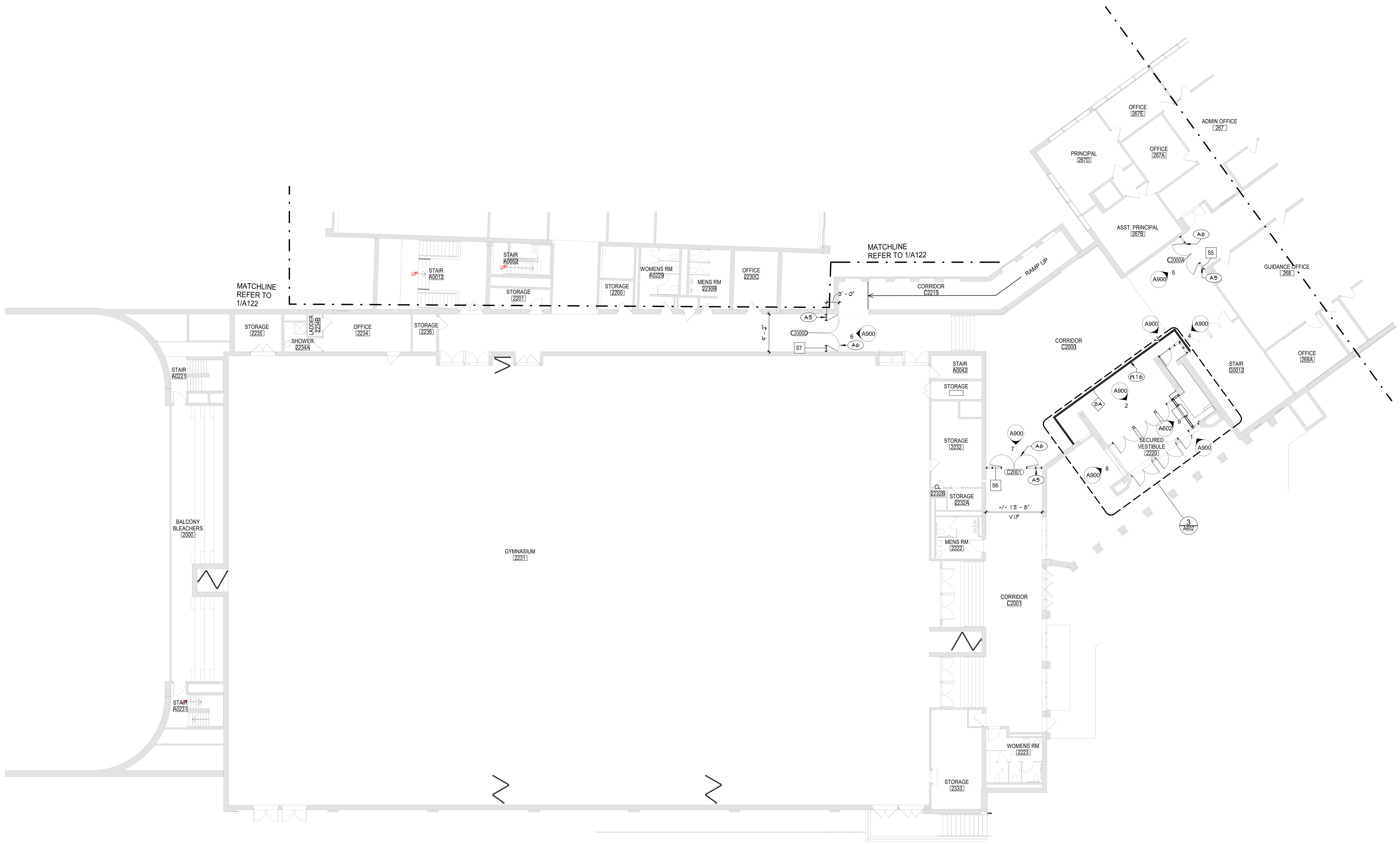


1 AREA 'A' SECOND FLOOR PLAN

A121 3/32" = 1'-0"

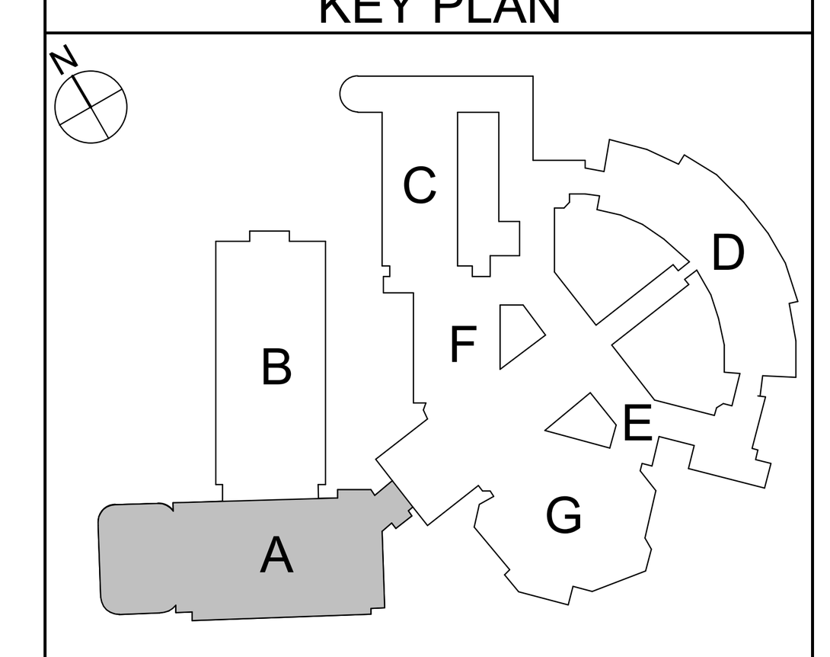
GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION.
3. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

KEYNOTES

#	DESCRIPTION
A5	PROVIDE NEW STOREFRONT SYSTEM AS SPECIFIED.
A6	PROVIDE NEW DOOR AND DOOR HARDWARE IN NEW STOREFRONT AS SPECIFIED.
W16	GENERAL CONTRACTOR MUST PROVIDE TEMPORARY FIRE RATED PARTITION FOR CONSTRUCTION PURPOSES ONLY. GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND DISSASSEMBLING OF PARTITION AS WELL AS PATCHING OF FLOORS AND CEILINGS IF ANY DAMAGE WAS CAUSED.

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
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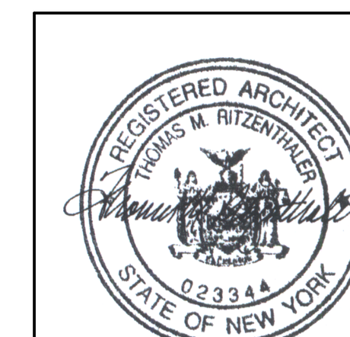
2023 CAPITAL PROJECT - PHASE 1



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CSArch Proj. #:	188-2301.01
Issued for Bid:	10/14/2024

Sheet Title

AREA 'A' PARTIAL SECOND FLOOR PLAN

Sheet No.

NRHS A121

CONSTRUCTION DOCUMENTS

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1 AREA 'F' THIRD FLOOR PLAN
A136 3/32" = 1'-0"

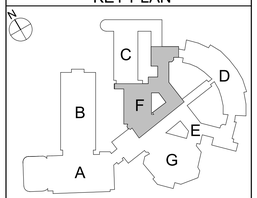
GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION.
3. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

KEYNOTES

#	DESCRIPTION

KEY PLAN



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NEW ROCHELLE HIGH SCHOOL
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AREA 'F' PARTIAL THIRD FLOOR PLAN

Sheet No.

NRHS A136

CONSTRUCTION DOCUMENTS

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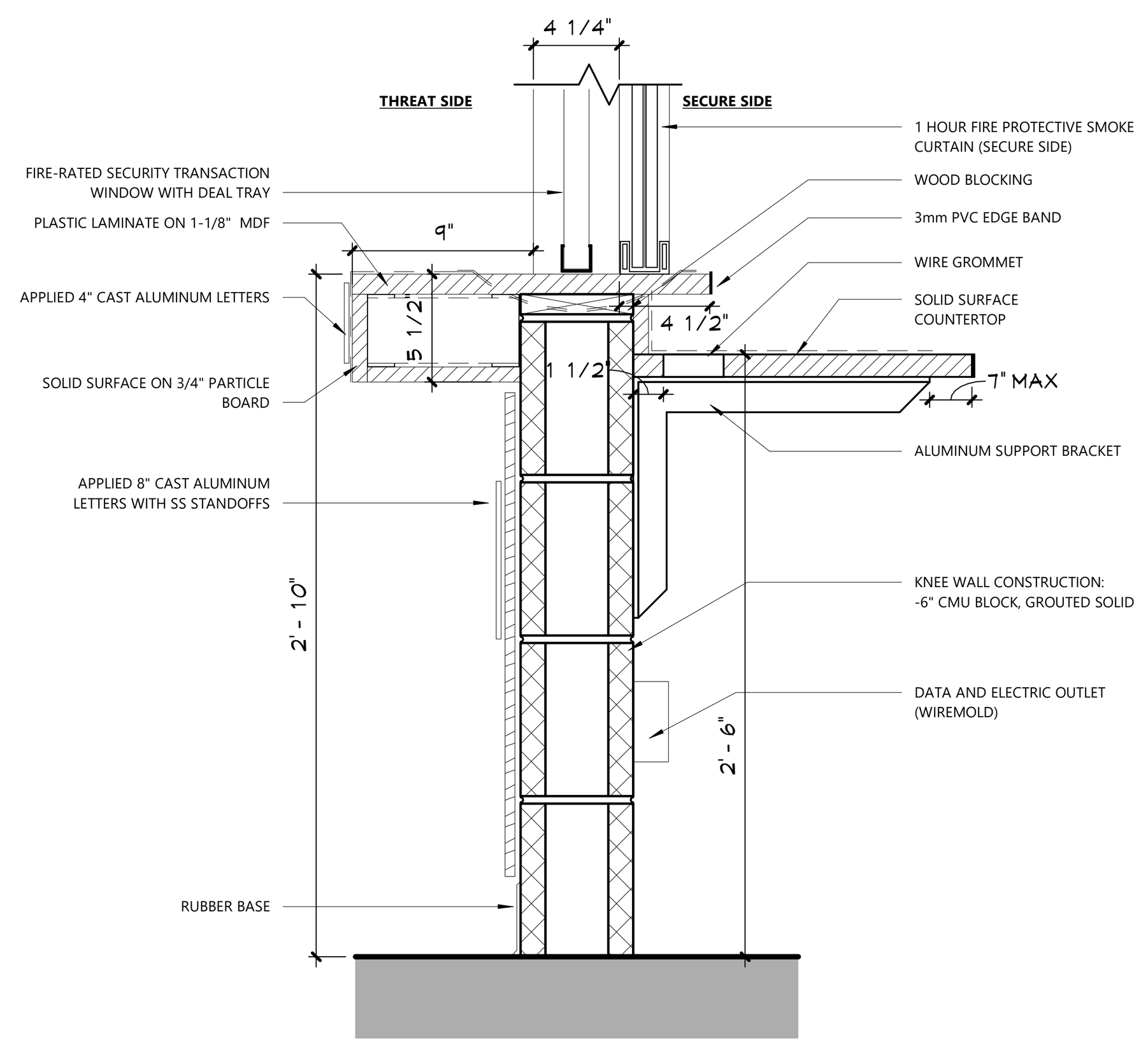
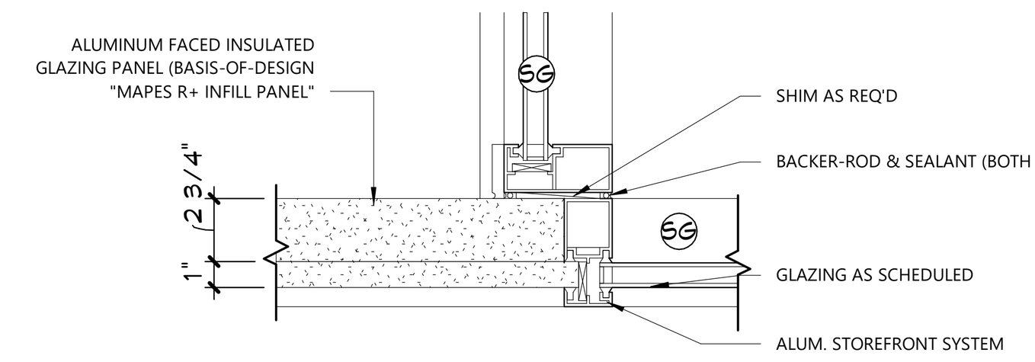
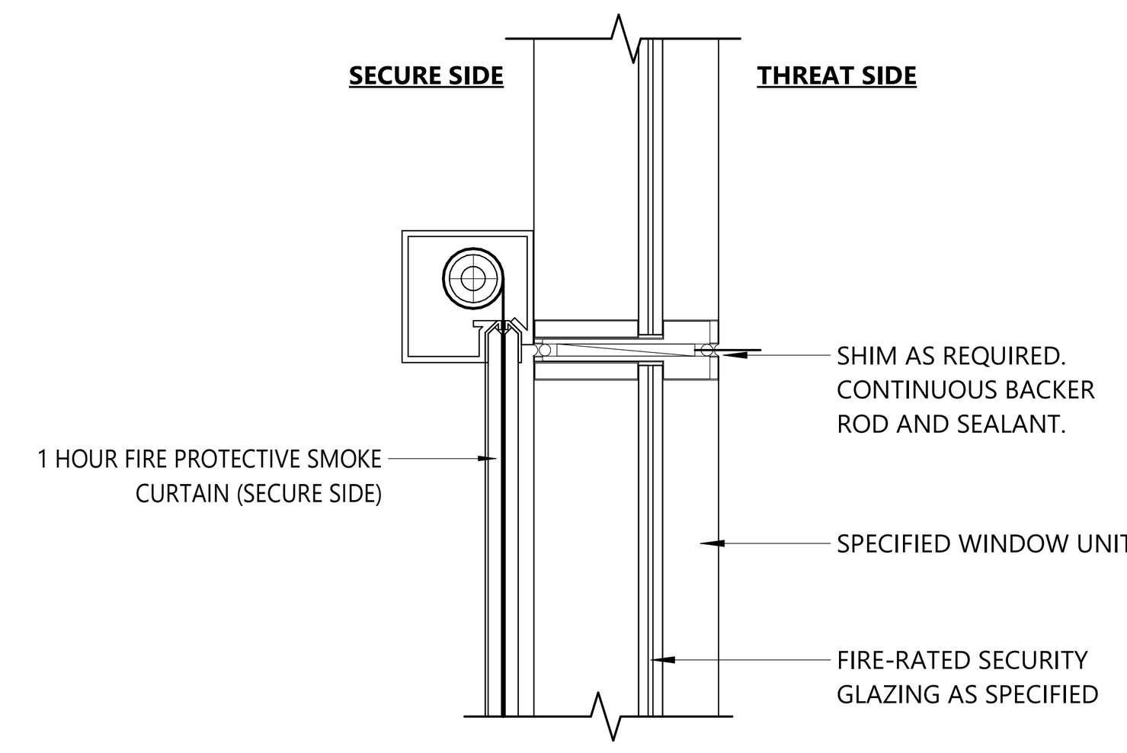


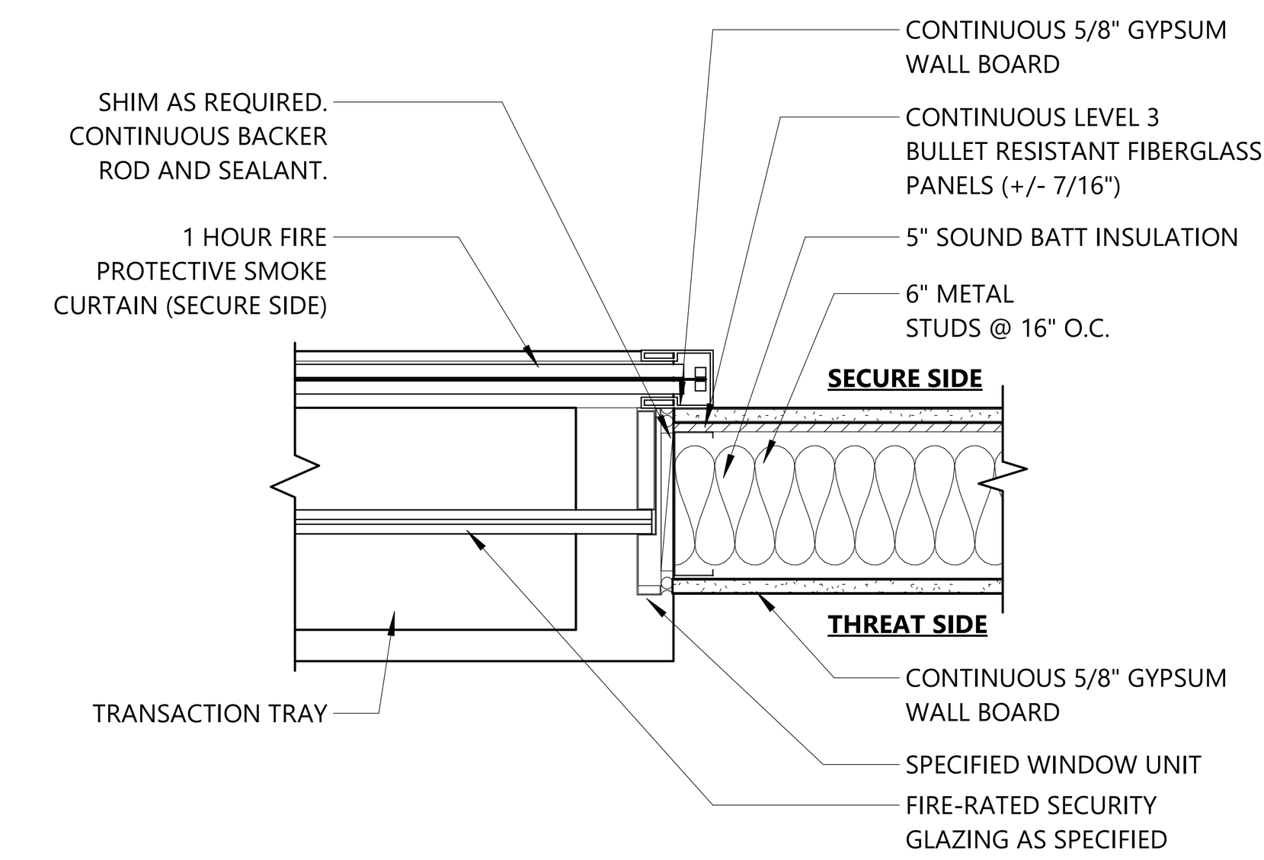
12 SILL DETAIL - SECURITY WINDOW
A602 1 1/2" = 1'-0"



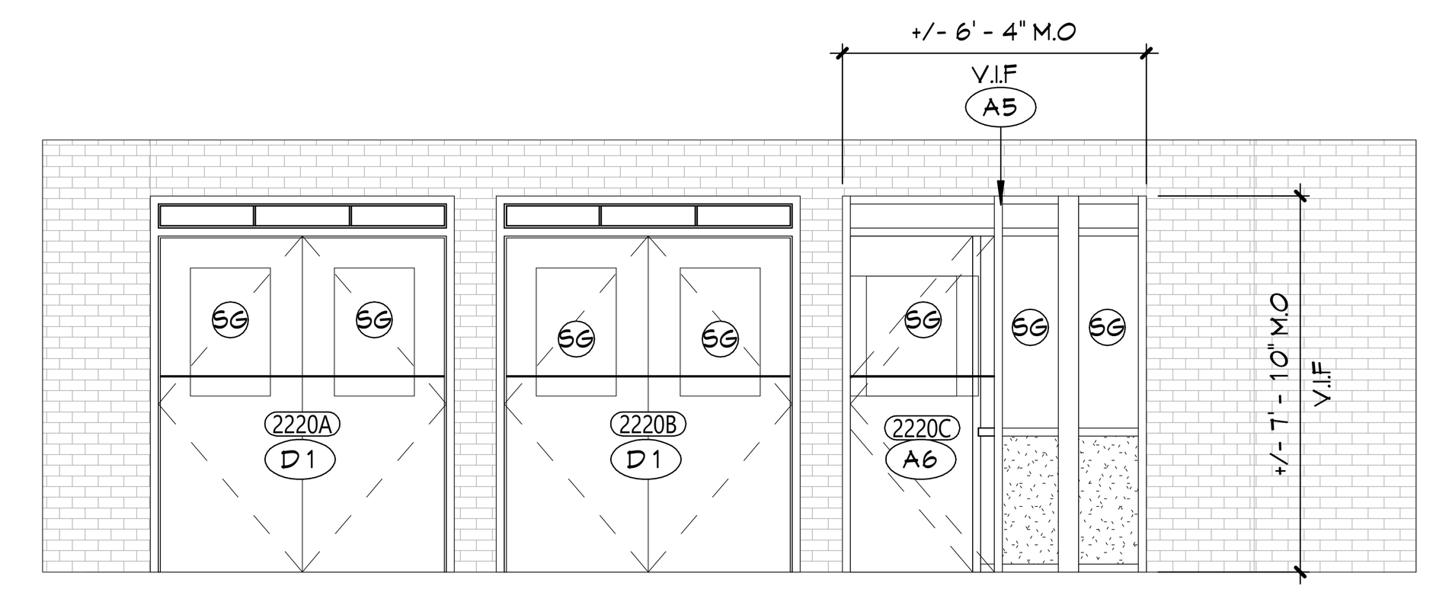
11 PLAN DETAIL 1
A602 1 1/2" = 1'-0"



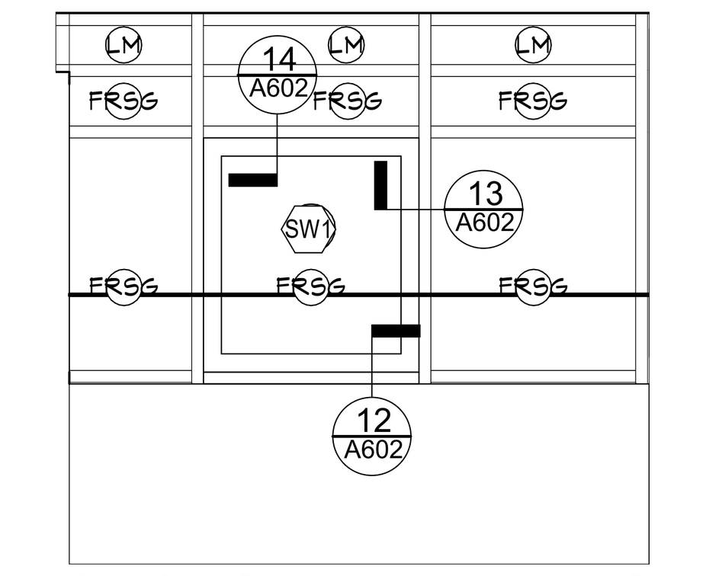
14 HEAD DETAIL - SECURITY WINDOW
A602 1 1/2" = 1'-0"



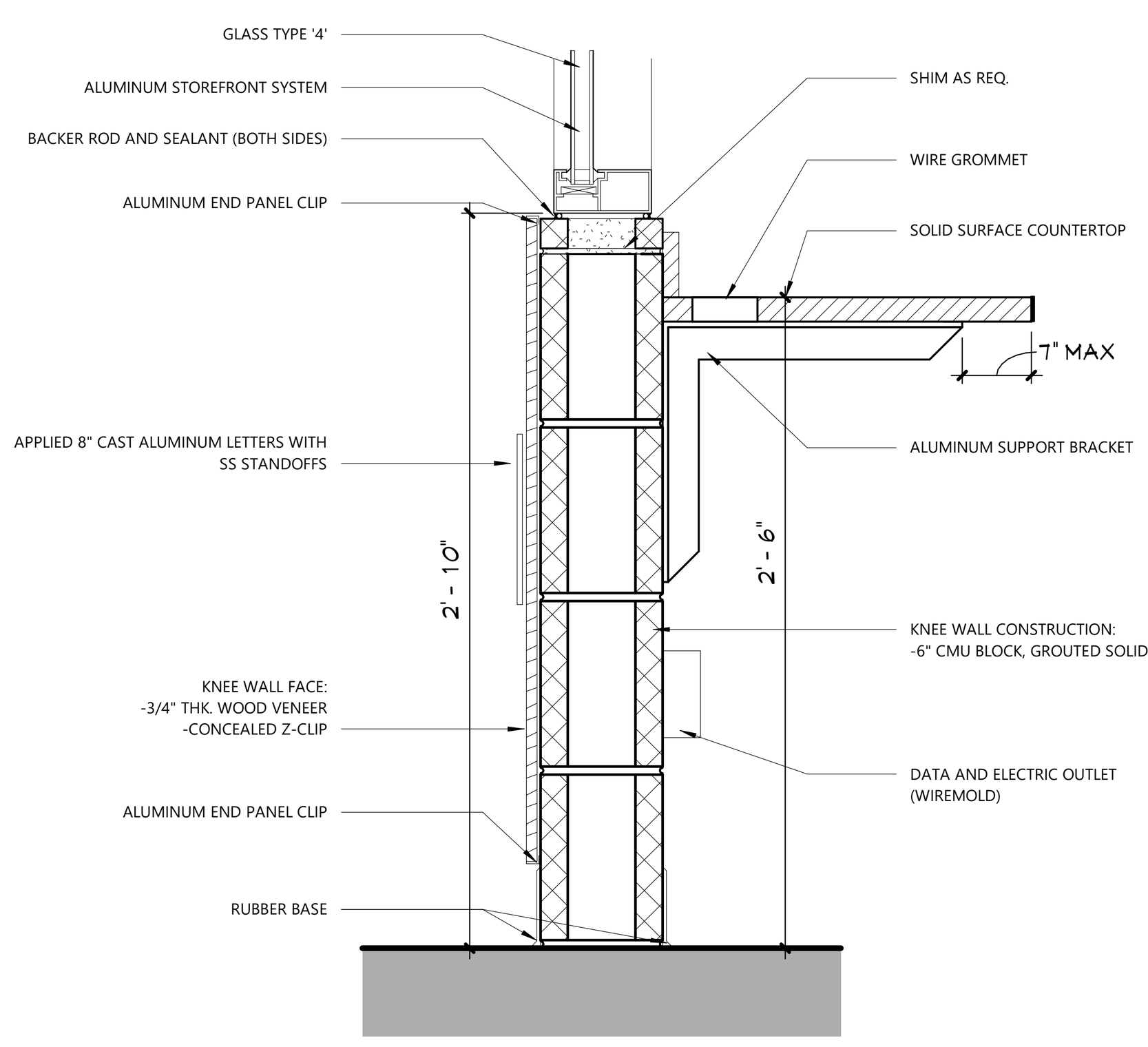
13 JAMB DETAIL - SECURITY WINDOW
A602 1 1/2" = 1'-0"



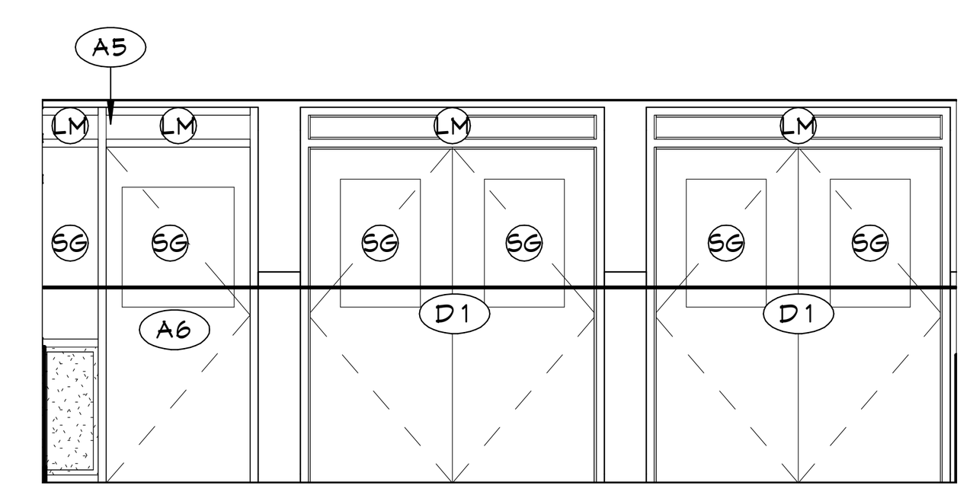
10 EXTERIOR ELEVATION
A602 1/4" = 1'-0"



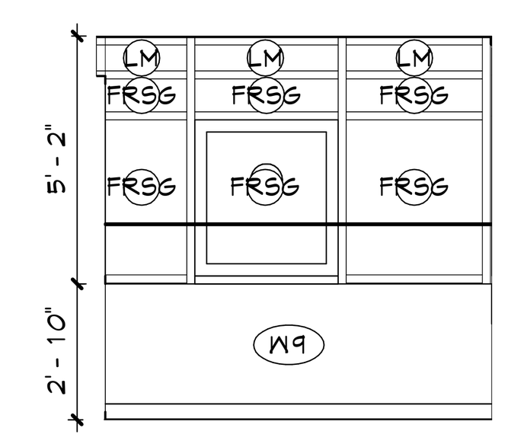
9 SW1 - SECURITY WINDOW 1
A602 3/8" = 1'-0"



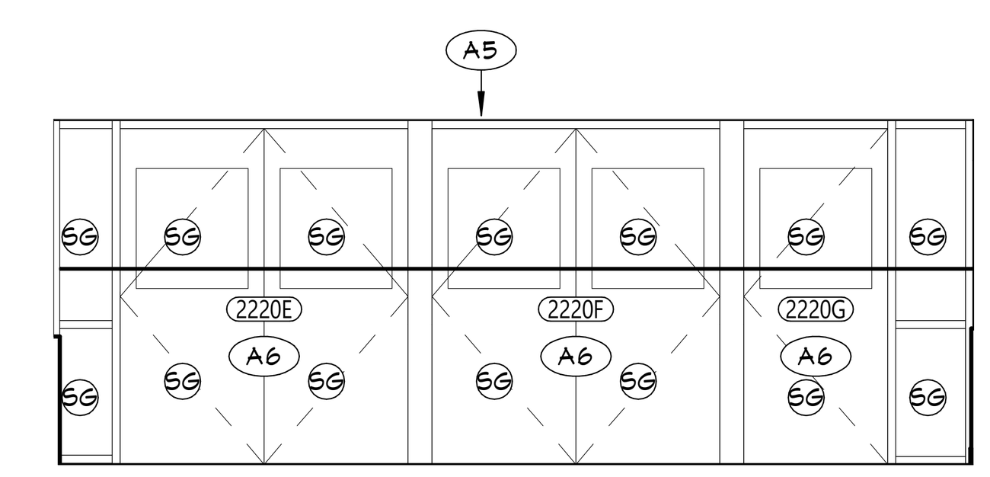
8 SECTION DETAIL 1
A602 1 1/2" = 1'-0"



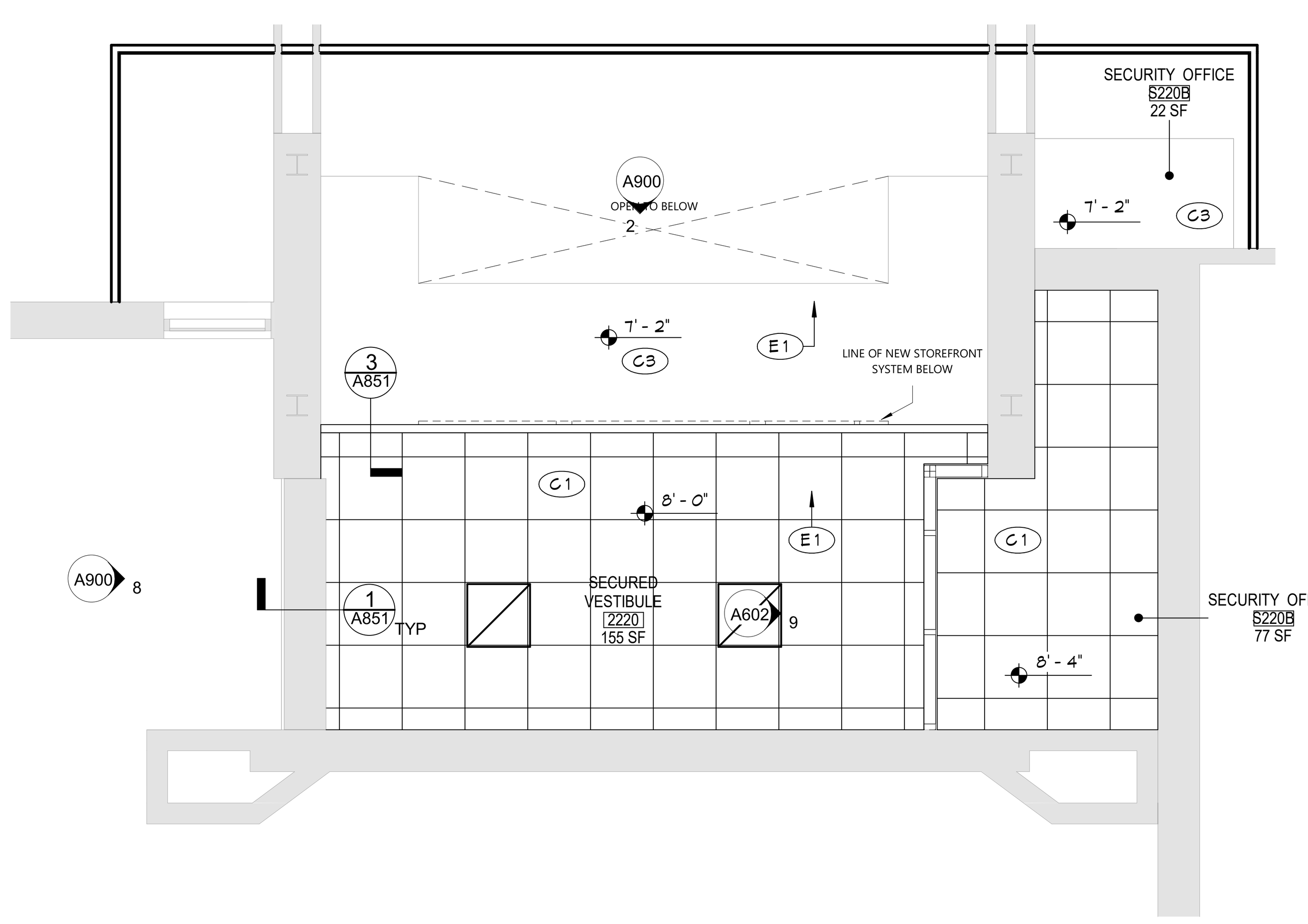
7 SECURITY VESTIBULE - SOUTH ELEVATION
A602 1/4" = 1'-0"



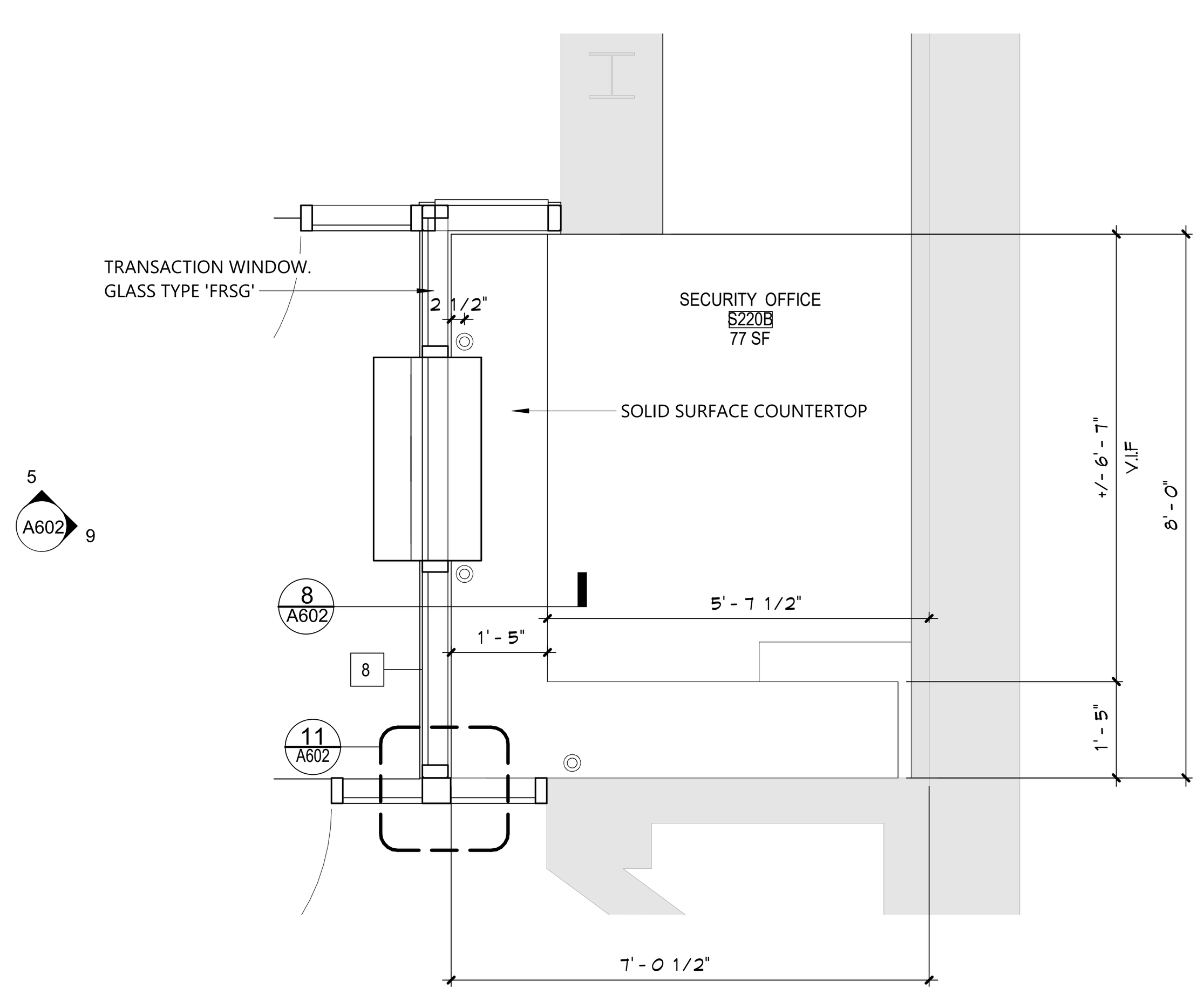
6 SECURITY VESTIBULE - EAST ELEVATION
A602 1/4" = 1'-0"



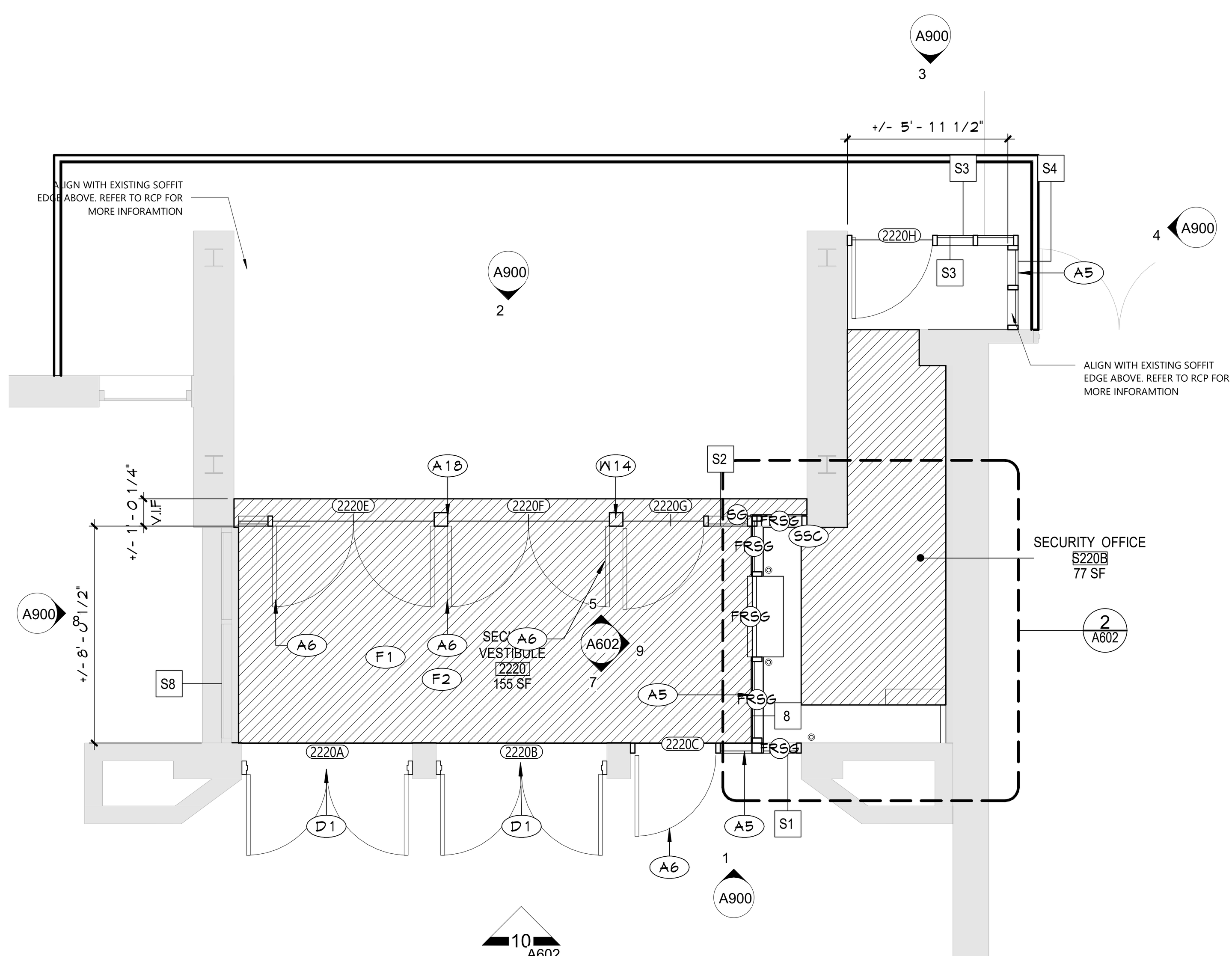
5 SECURITY VESTIBULE - NORTH ELEVATION
A602 1/4" = 1'-0"



3 ENLARGED SECURITY VESTIBULE RCP
A602 1/4" = 1'-0"



2 ENLARGED SECURITY OFFICE PLAN
A602 1/2" = 1'-0"



1 ENLARGED SECURITY VESTIBULE PLAN
A602 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION.
3. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING LEGEND

GWB OR PLASTER CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE

SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM

+X'-X" CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

2'x4' LIGHT FIXTURE

2'x2' LIGHT FIXTURE

1'x LIGHT FIXTURE

PENDANT LIGHT FIXTURE

RECESSED DOWN LIGHT

CEILING MOUNTED EXIT SIGN

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

HVAC SUPPLY GRILLE

HVAC RETURN GRILLE

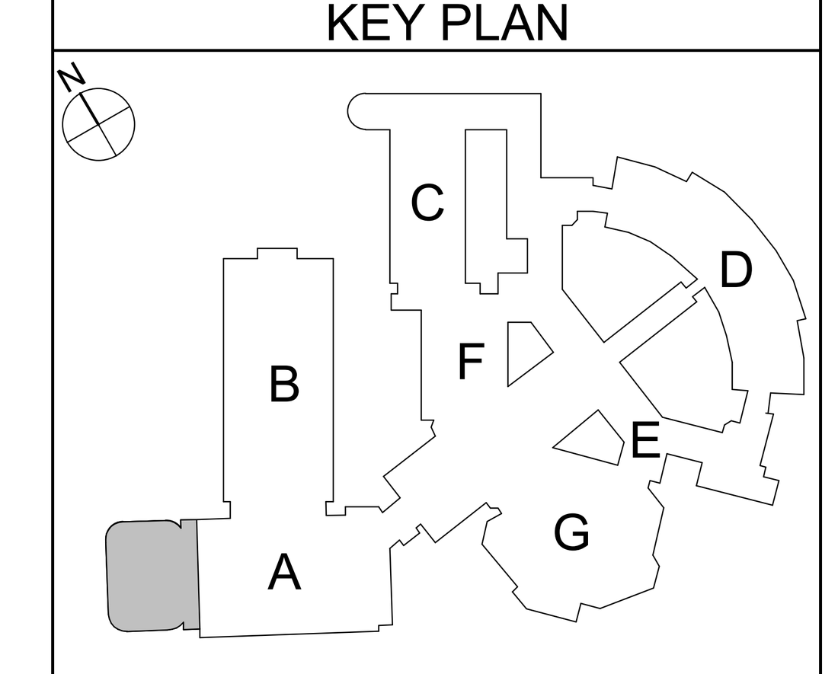
KEYNOTES

#	DESCRIPTION
A5	PROVIDE NEW STOREFRONT SYSTEM AS SPECIFIED.
A6	PROVIDE NEW DOOR AND DOOR HARDWARE IN NEW STOREFRONT AS SPECIFIED.
A18	PROVIDE NEW STOREFRONT SYSTEM IN KIND.
C1	24"x24" ACOUSTIC PANELS AND SUSPENSION SYSTEM.
C3	PREP AND PAINT EXISTING CEILING SYSTEM IN ITS ENTIRETY.
D1	PROVIDE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY.
E1	LIGHT FIXTURE INSTALLATION, TYPICAL REFER TO 'E' DRAWINGS.
F1	PROVIDE NEW FLOOR FINISH, (TYPICAL FOR ROOM, UNLESS NOTED OTHERWISE); REFER TO 'AF' DRAWINGS
F2	PROVIDE SELF-LEVELING COMPOUND TO ACHIEVE LEVEL SURFACE FOR FINISHED FLOORING.
SSC	SOLID SURFACE COUNTERTOP, CONTINUOUS
W9	PREP AND PAINT WALL SURFACE IN ITS ENTIRETY.
W14	REPLACE STUD WALL IN KIND.

GLAZING TYPES

CCL	LOW-E COATED, INSULATED GLASS
CI	CLEAR INSULATED GLASS
FR	FIRE RATED GLASS
FT	FULLY TEMPERED GLASS
LM	LAMINATED GLASS
SG	SECURITY GLASS
SP	SPANDREL GLASS
SGF	SECURITY GLAZING FILM
FRSG	FIRE-RATED SECURITY GLASS

KEY PLAN



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Consultant

Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK

Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	NS
Checked By:	MZ
Proj. #:	66-11-00-01-0-001-030
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Sheet Title
ENLARGED VESTIBULE PLANS, ELEVATIONS AND DETAILS

Sheet No.
NRHS A602

CONSTRUCTION DOCUMENTS

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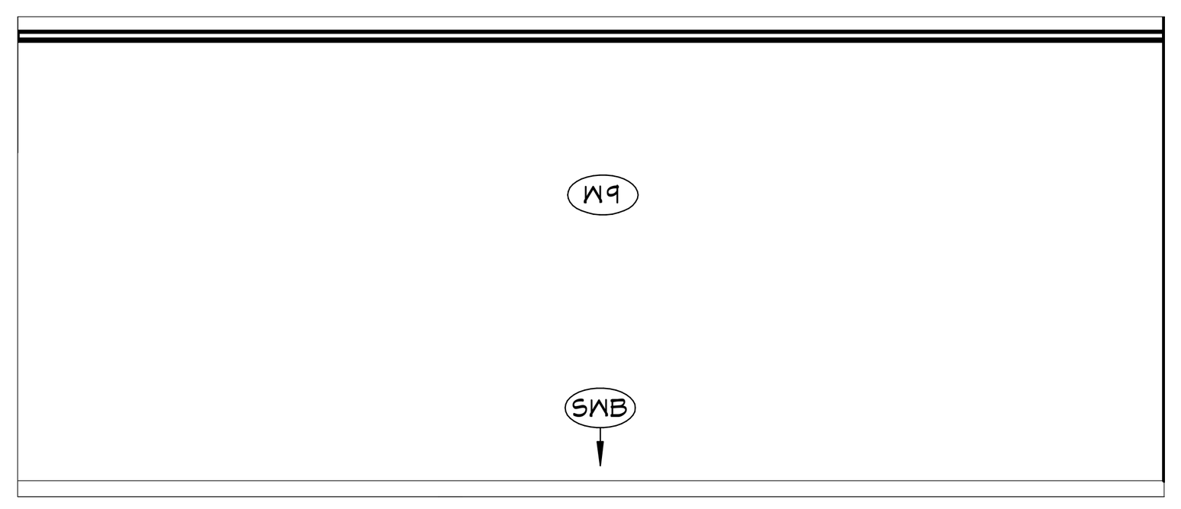
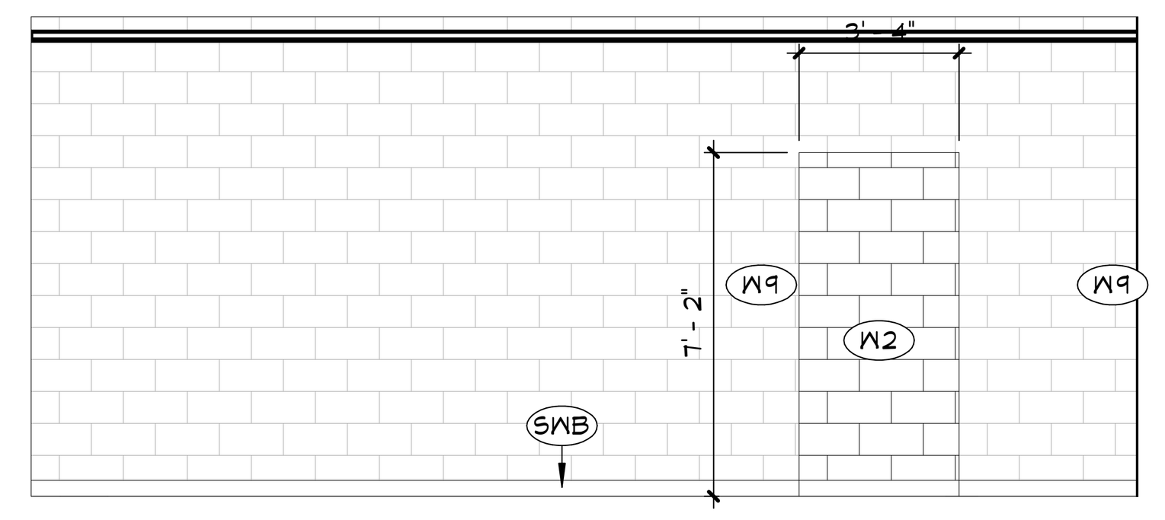
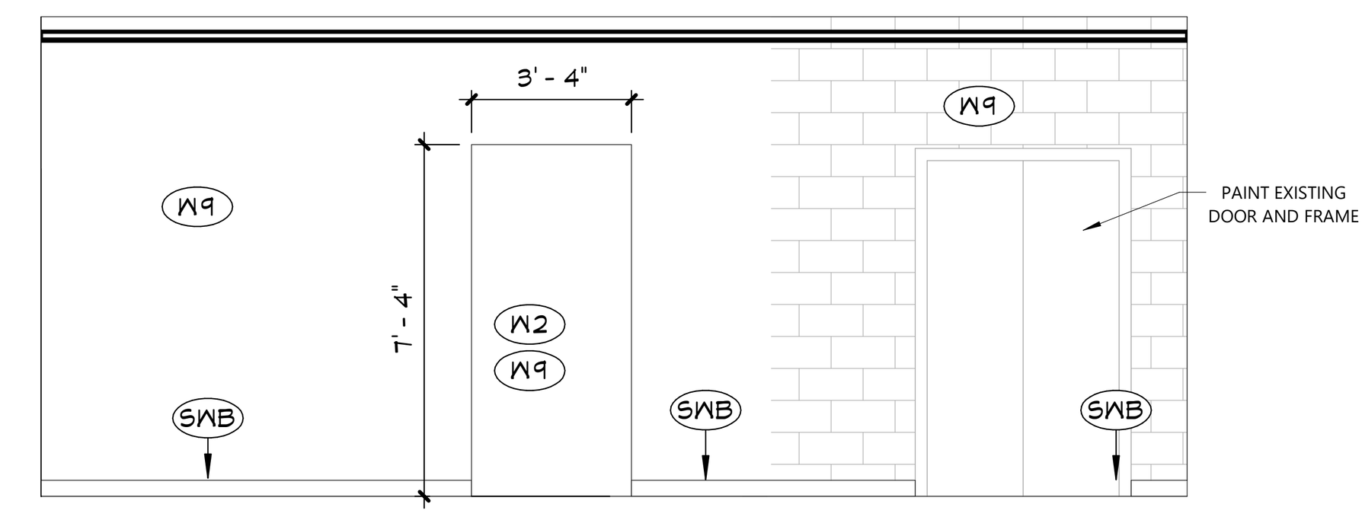


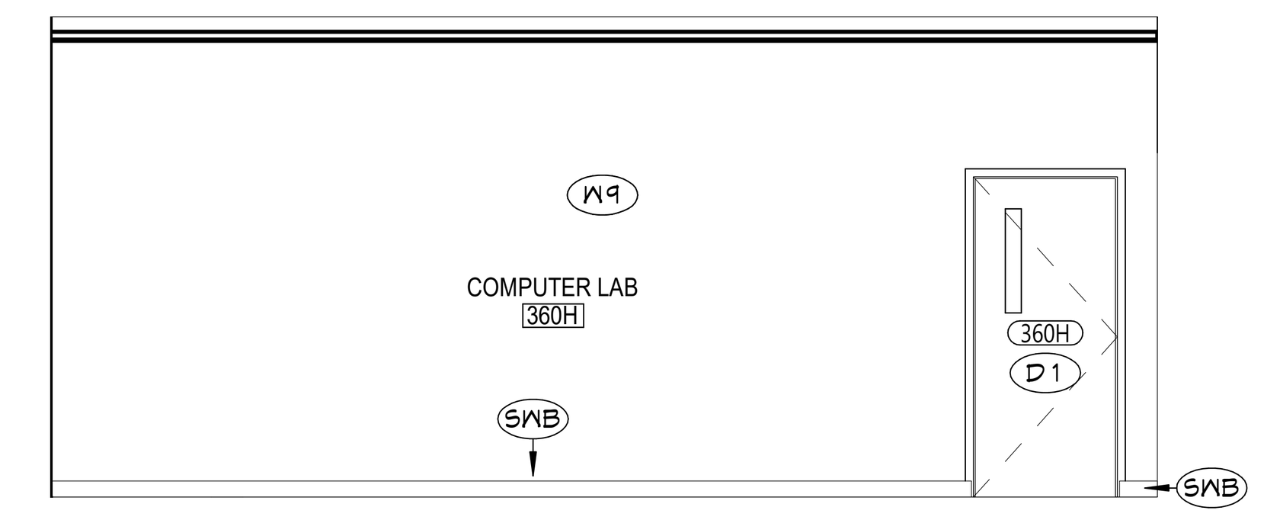
9 360H - ELEVATION
A603 1/4" = 1'-0"



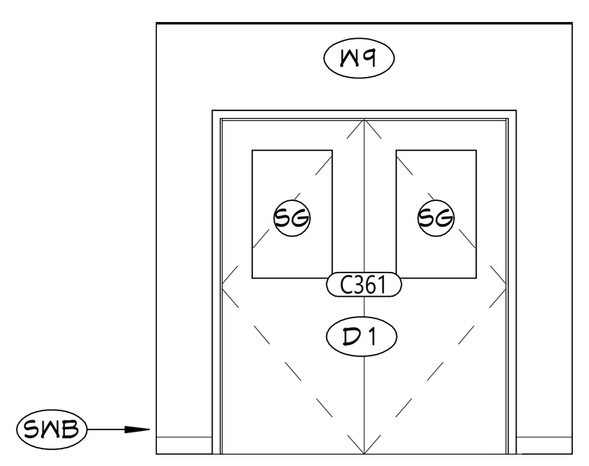
11 360H - Elevation 1 - c
A603 1/4" = 1'-0"



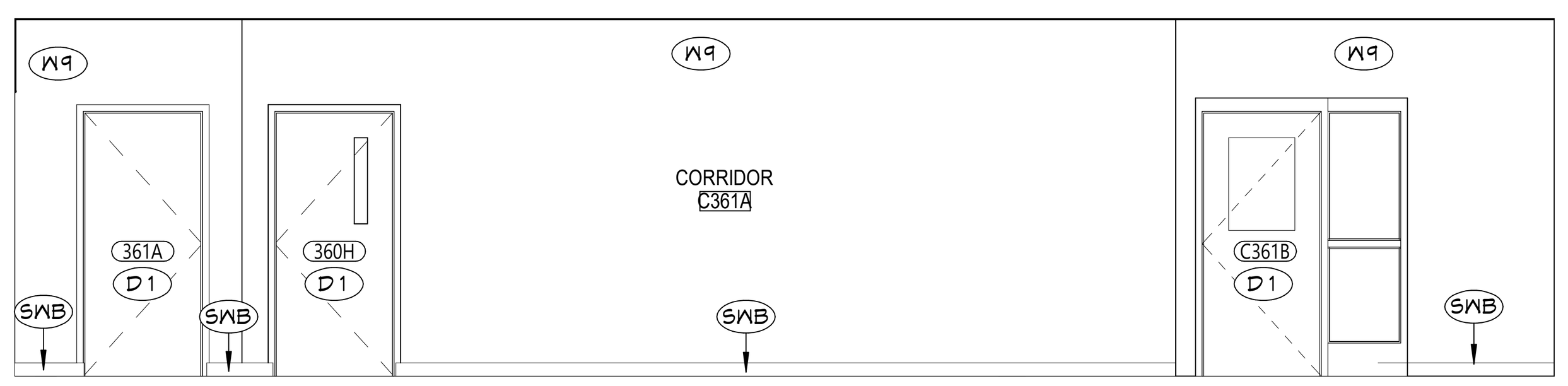
10 360H - Elevation 1 - b
A603 1/4" = 1'-0"



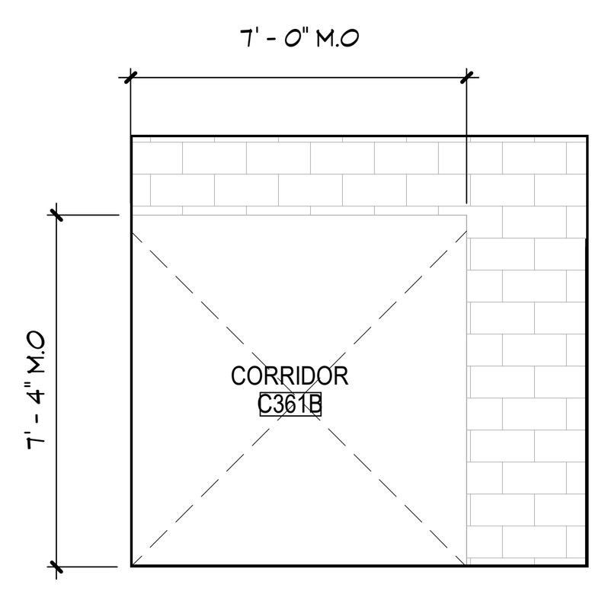
7 360H - Elevation 1 - a
A603 1/4" = 1'-0"



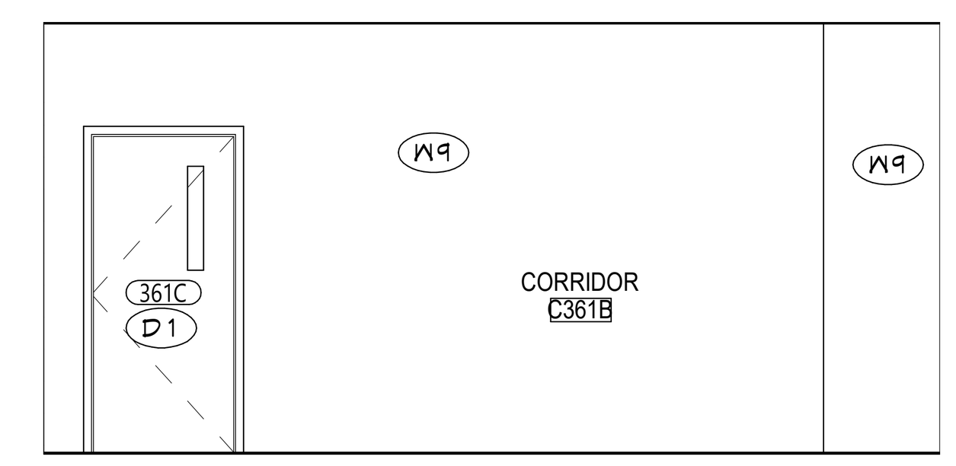
5 AREA 'F' EAST ELEVATION
A603 1/4" = 1'-0"



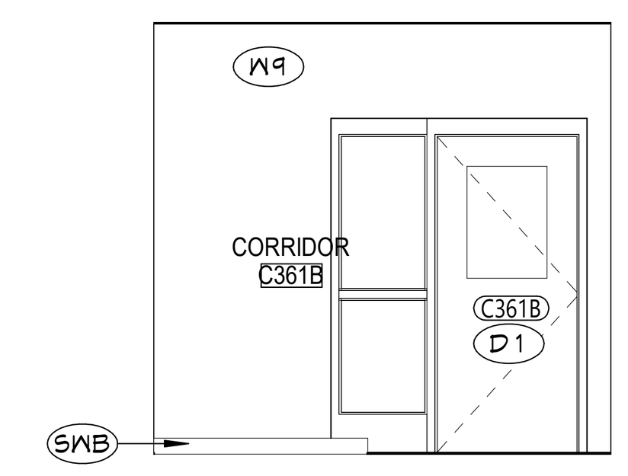
4 AREA 'F' SOUTH ELEVATION
A603 1/4" = 1'-0"



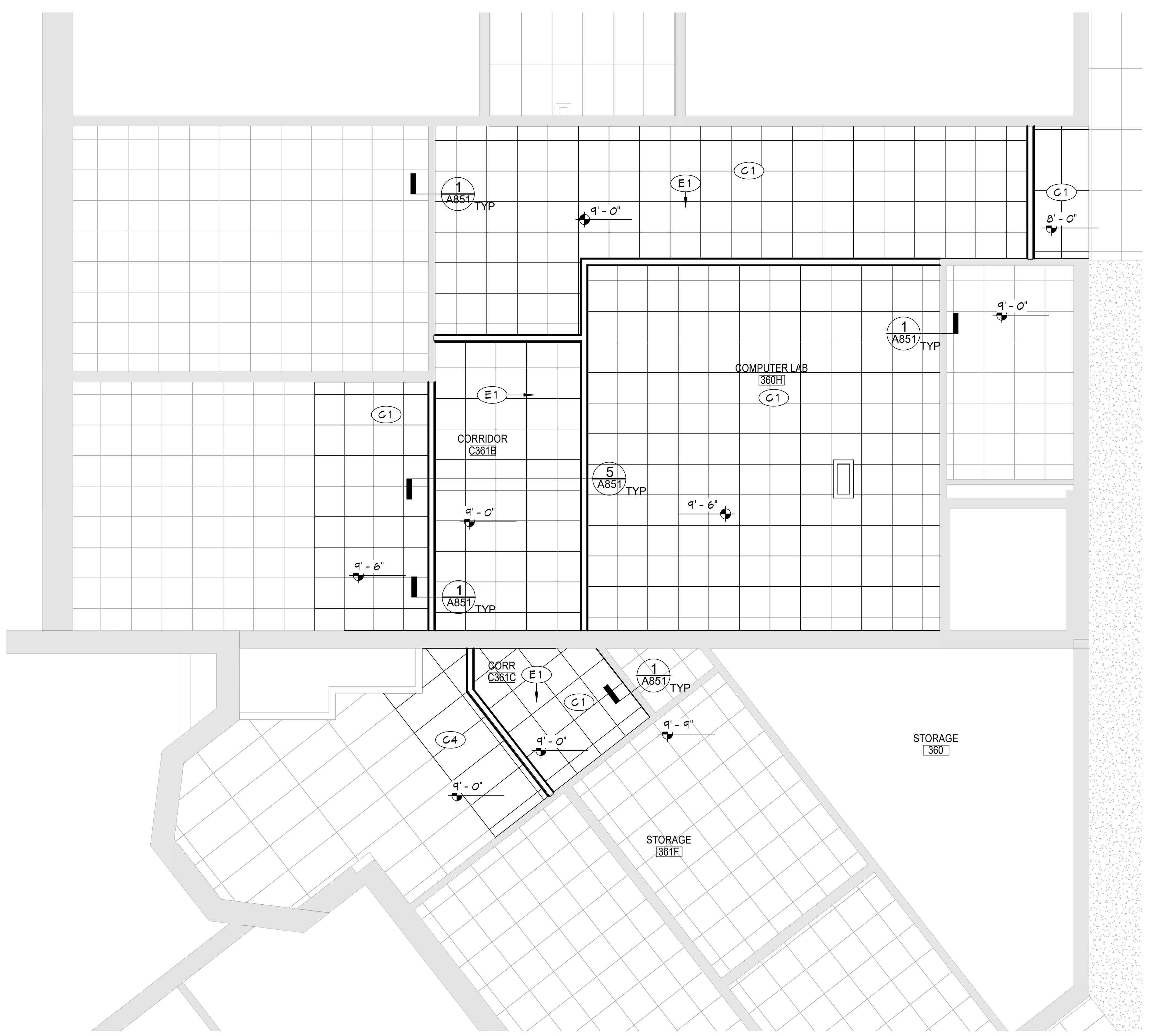
8 C361B - Elevation
A603 1/4" = 1'-0"



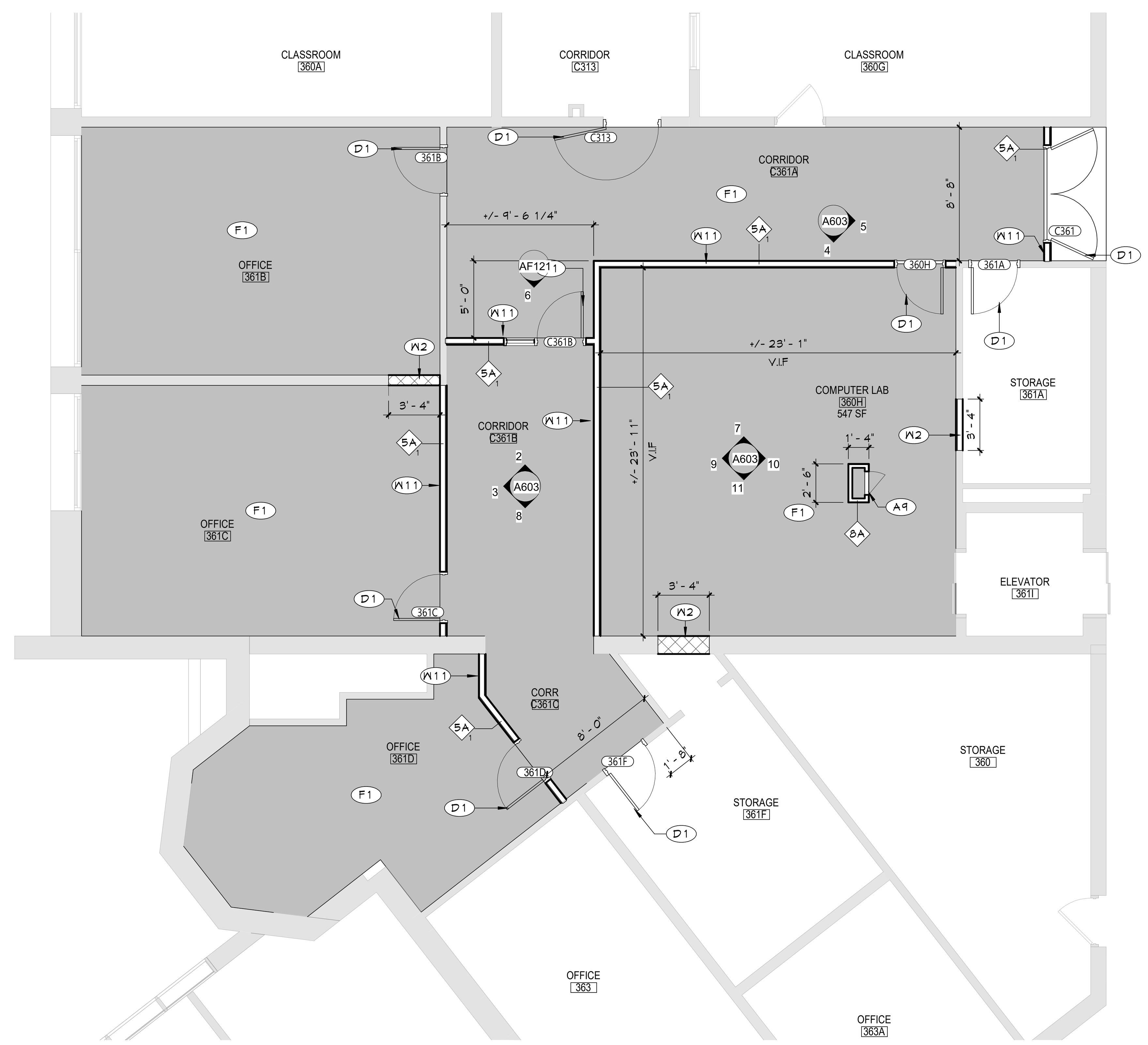
3 C361B - WEST ELEVATION
A603 1/4" = 1'-0"



2 C361B - NORTH ELEVATION
A603 1/4" = 1'-0"



6 ENLARGED AREA 'F' RCP
A603 3/16" = 1'-0"



1 A603 - AREA 'F' THIRD FLOOR ENLARGED PLAN
A603 3/16" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION.
3. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING LEGEND

GWB OR PLASTER CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE

SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM

+X'-X" CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

2'x4' LIGHT FIXTURE

2'x2' LIGHT FIXTURE

1'x LIGHT FIXTURE

PENDANT LIGHT FIXTURE

RECESSED DOWN LIGHT

CEILING MOUNTED EXIT SIGN

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

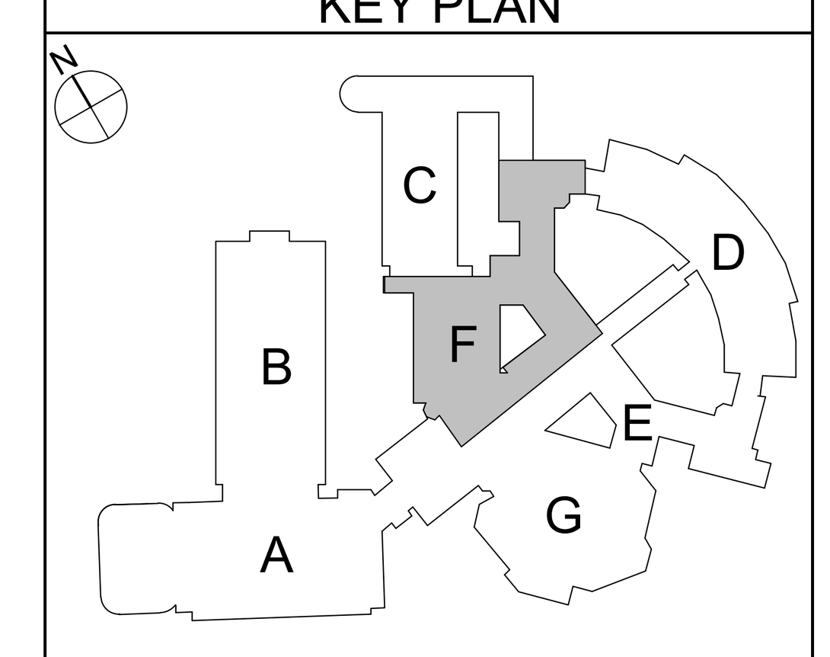
HVAC SUPPLY GRILLE

HVAC RETURN GRILLE

KEYNOTES

#	DESCRIPTION
A9	PROVIDE NEW FIRE RATED 18x36 ACCESS PANEL WITHIN NEW PARTITION.
C1	24"x24" ACOUSTIC PANELS AND SUSPENSION SYSTEM.
C4	REINSTALL SALVAGED EXISTING SUSPENDED CEILING PANELS IN NEW NEW MODIFIED ACOUSTIC PANEL GRID SYSTEM. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT INSTALLATIONS.
D1	PROVIDE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY.
E1	LIGHT FIXTURE INSTALLATION, TYPICAL REFER TO 'E' DRAWINGS.
F1	PROVIDE NEW FLOOR FINISH, (TYPICAL FOR ROOM, UNLESS NOTED OTHERWISE); REFER TO 'AF' DRAWINGS
SWB	SCHEDULED WALL BASE
W2	INFILL WALL WITH CMU WALL TO MATCH ADJACENT WALL THICKNESS AND FINISH. REFER TO LIFE SAFETY DRAWINGS FOR MORE INFORMATION ON RATED WALLS.
W9	PREP AND PAINT WALL SURFACE IN ITS ENTIRETY.
W11	PROVIDE NEW PARTITION.

KEY PLAN



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ENLARGED PLANS, ELEVATIONS AND DETAILS

Sheet No.
NRHS A603

CONSTRUCTION DOCUMENTS

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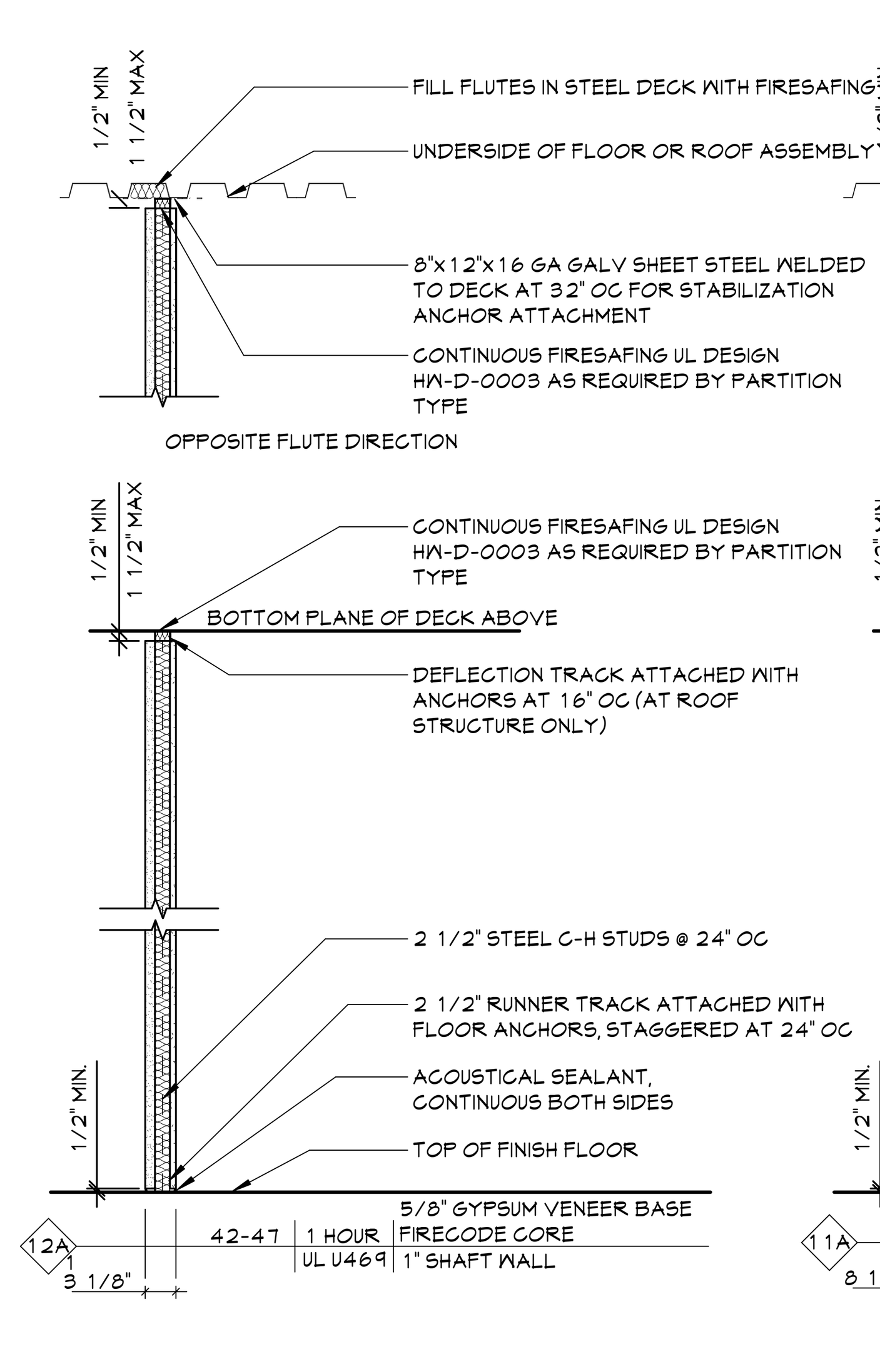
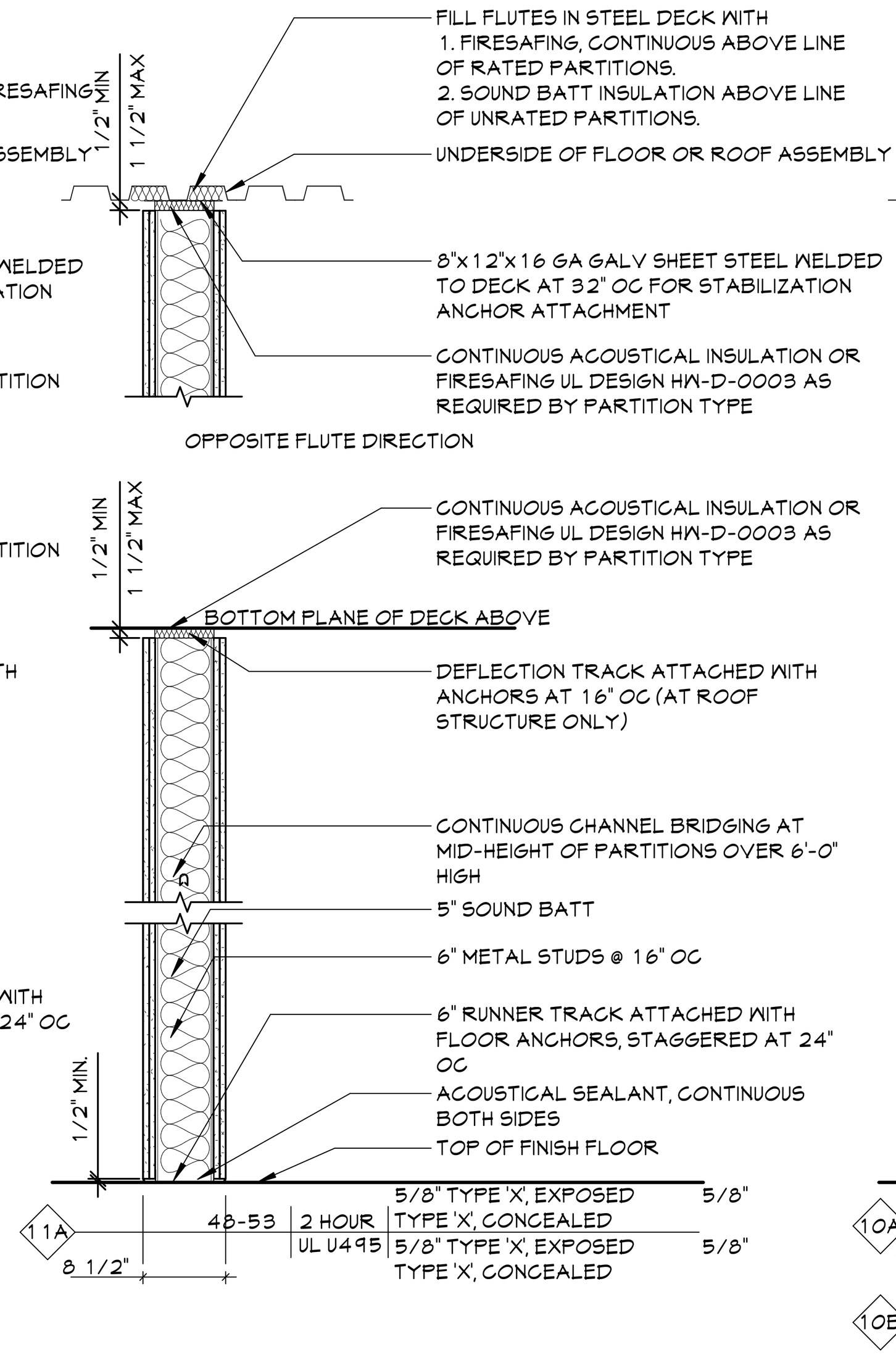
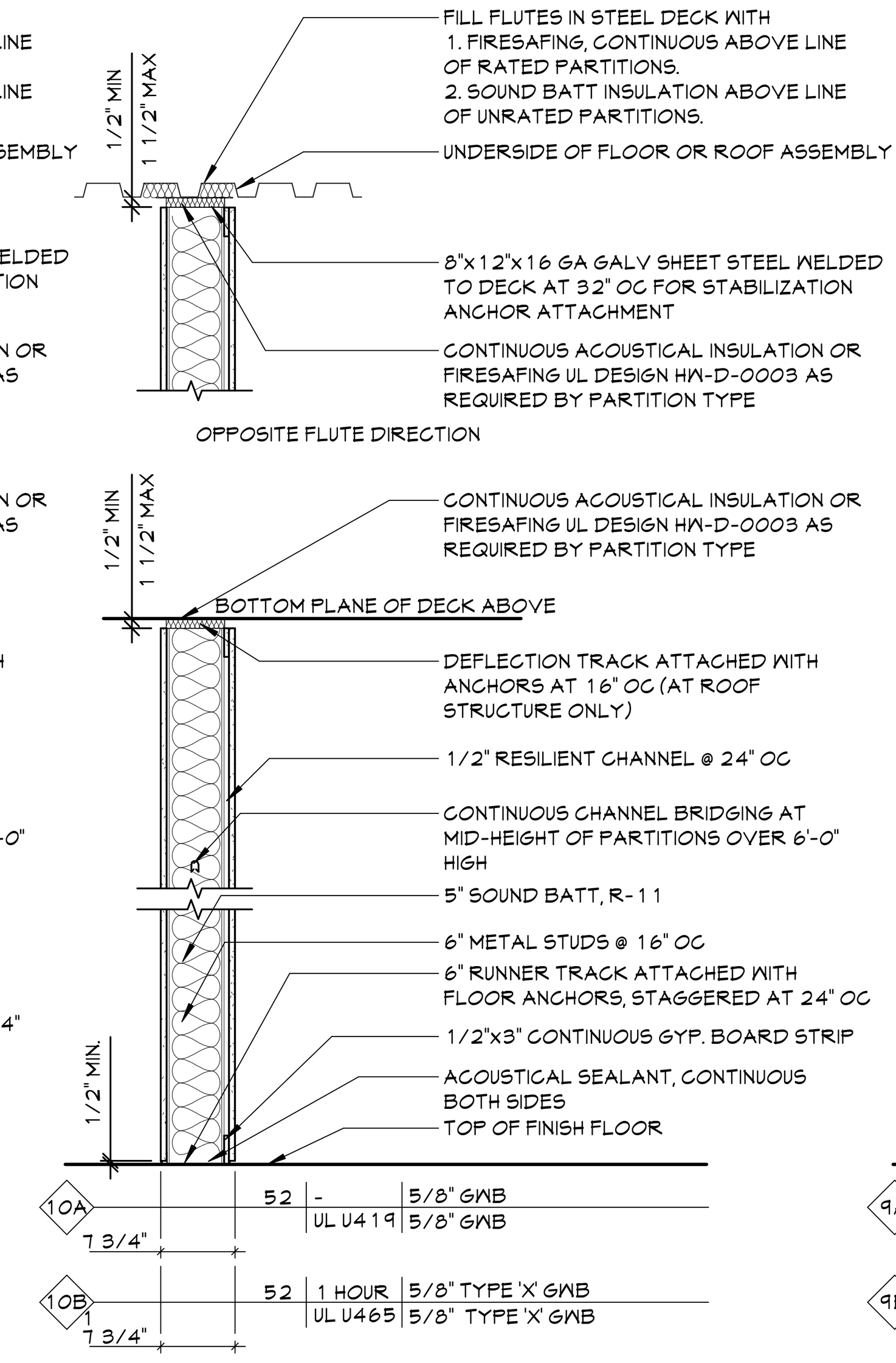


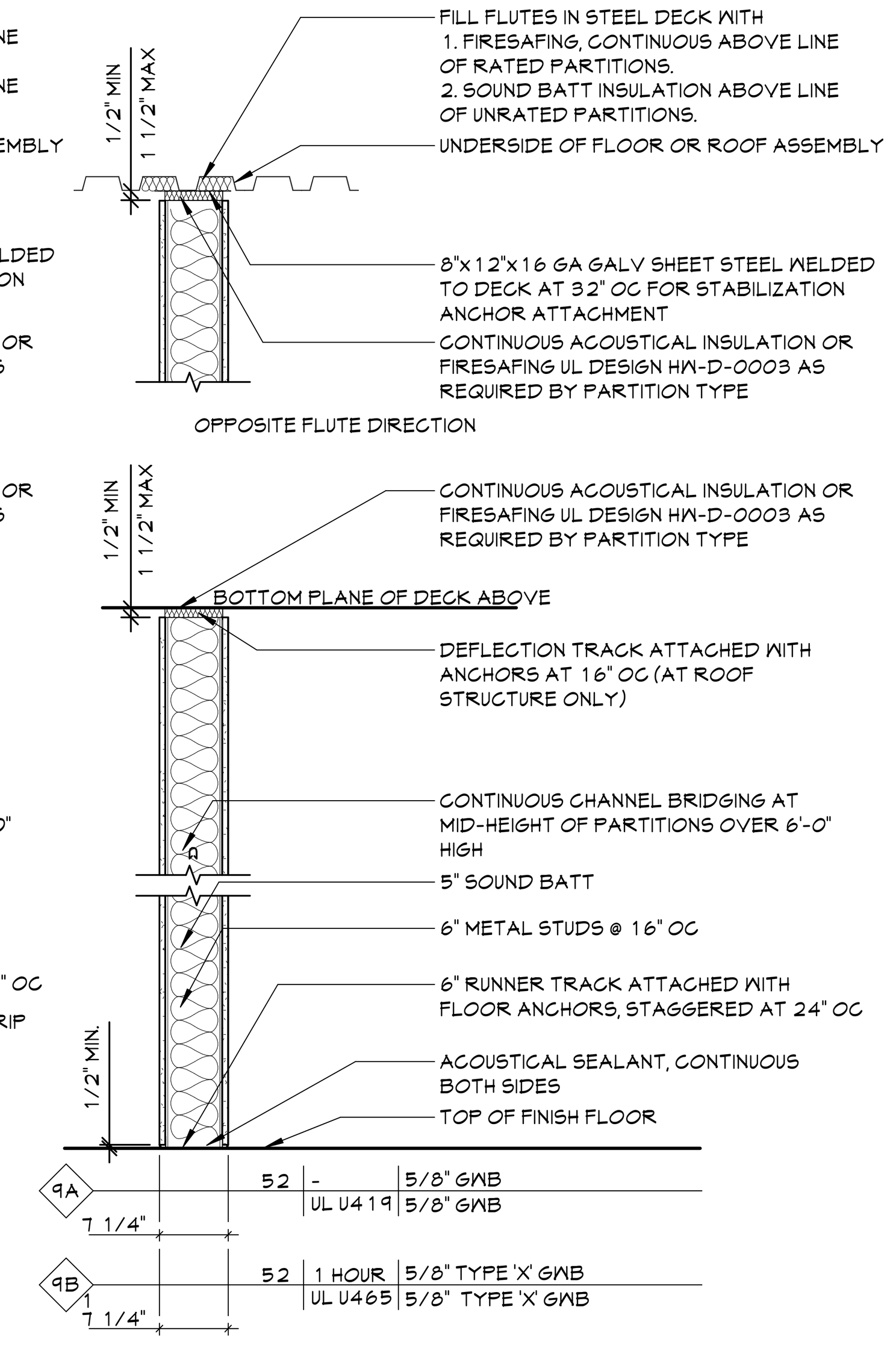
12 PARTITION TYPE '12'
A701 3/4" = 1'-0"



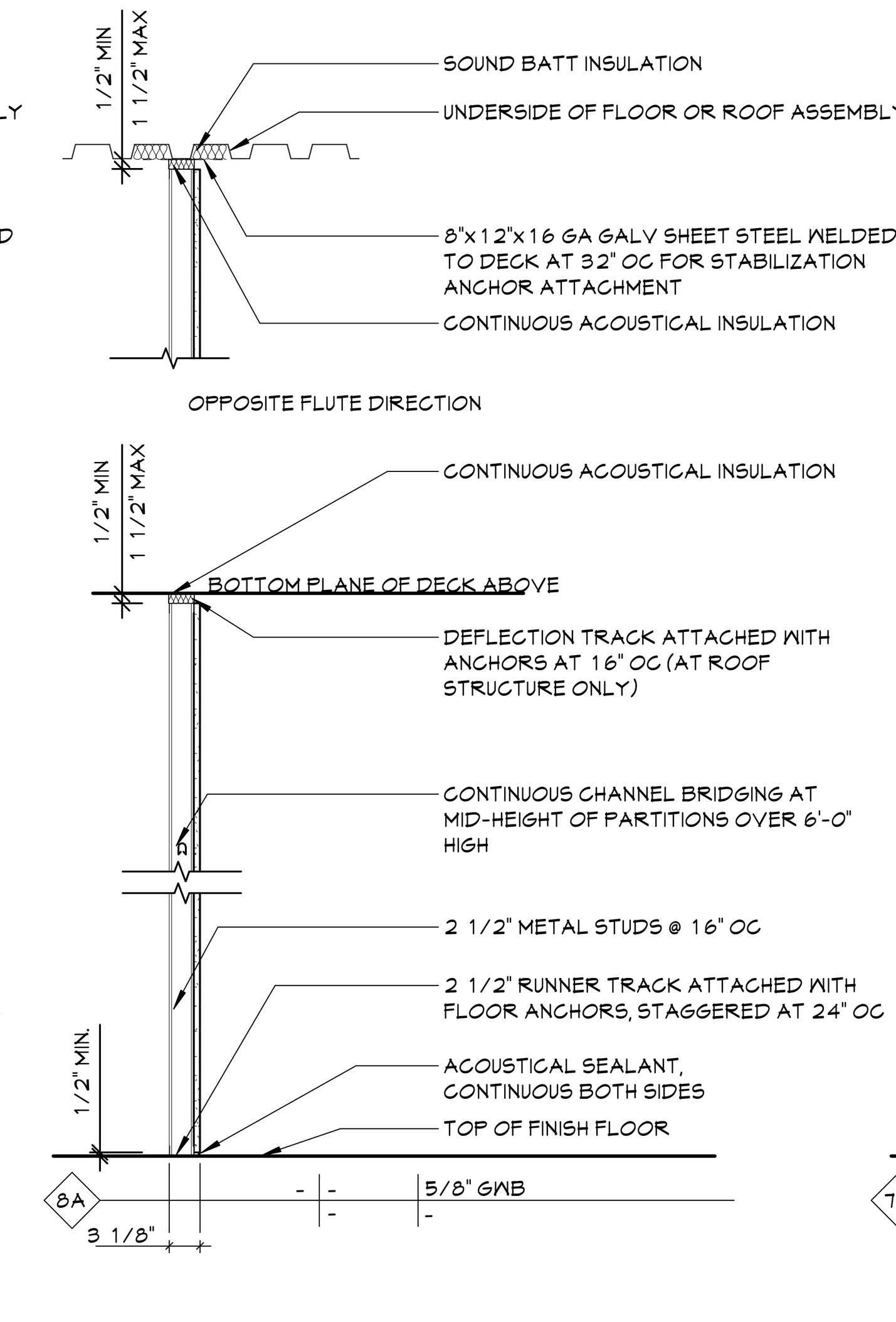
11 PARTITION TYPE '11'
A701 3/4" = 1'-0"



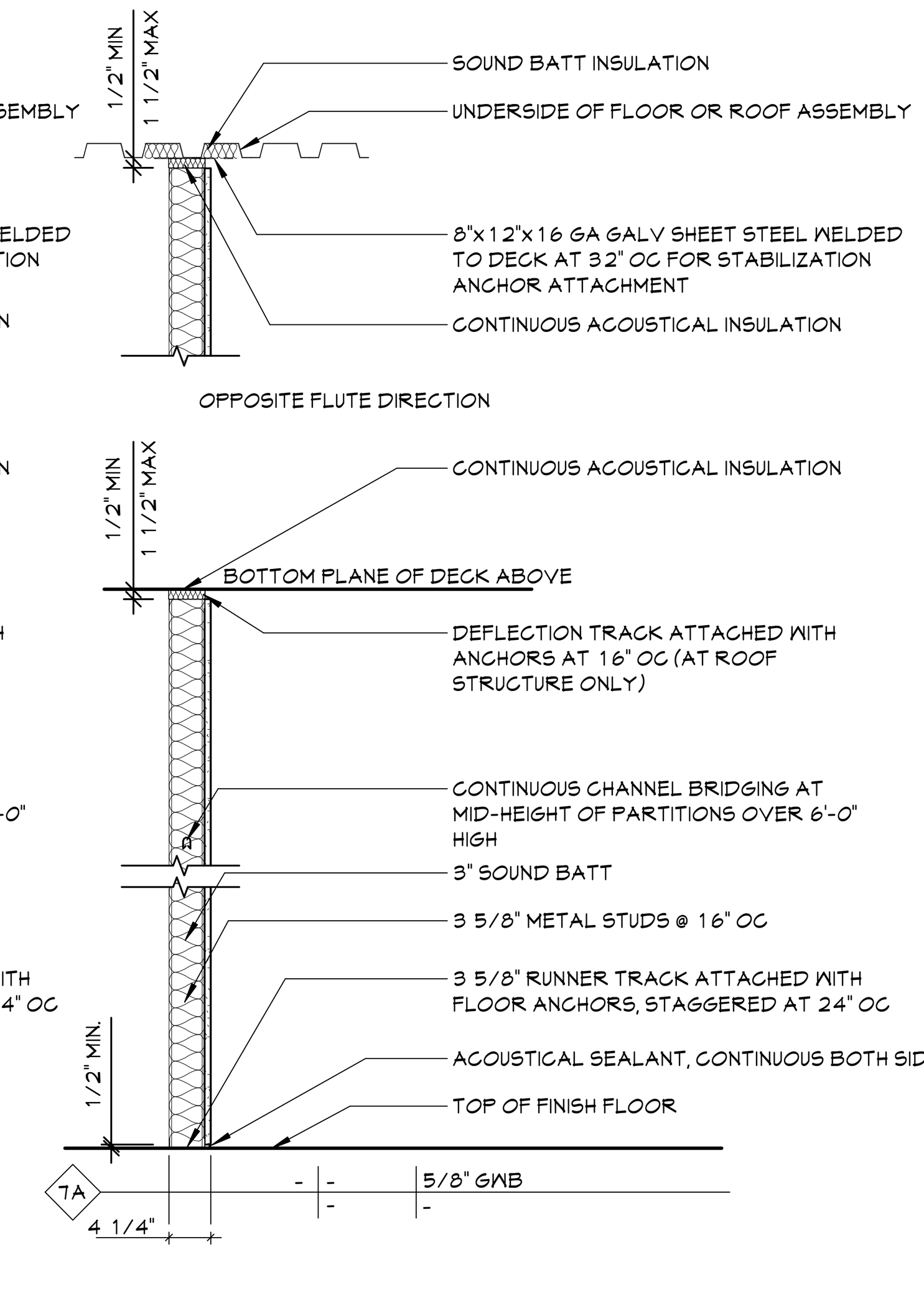
10 PARTITION TYPE '10'
A701 3/4" = 1'-0"



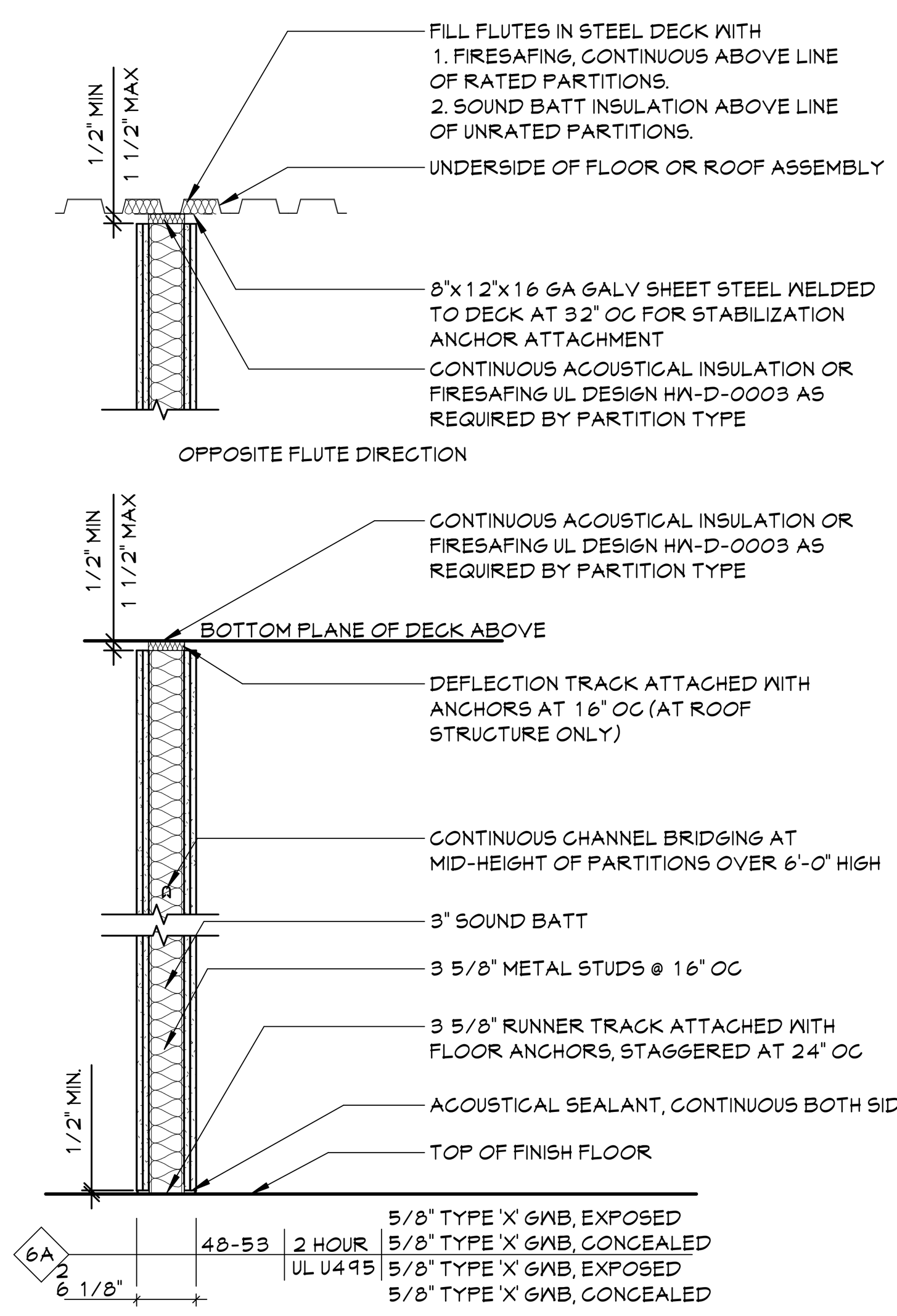
9 PARTITION TYPE '9'
A701 3/4" = 1'-0"



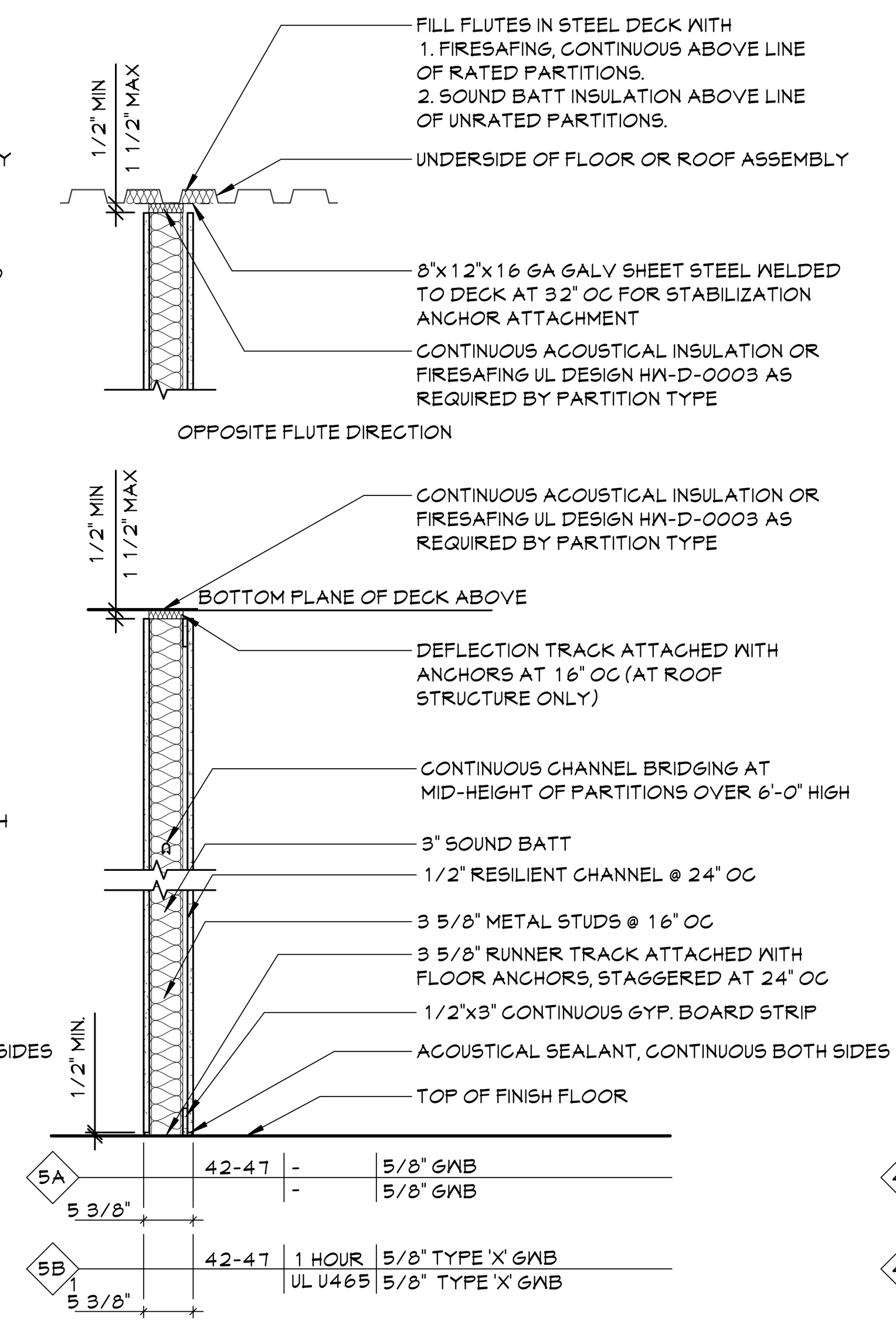
8 PARTITION TYPE '8'
A701 3/4" = 1'-0"



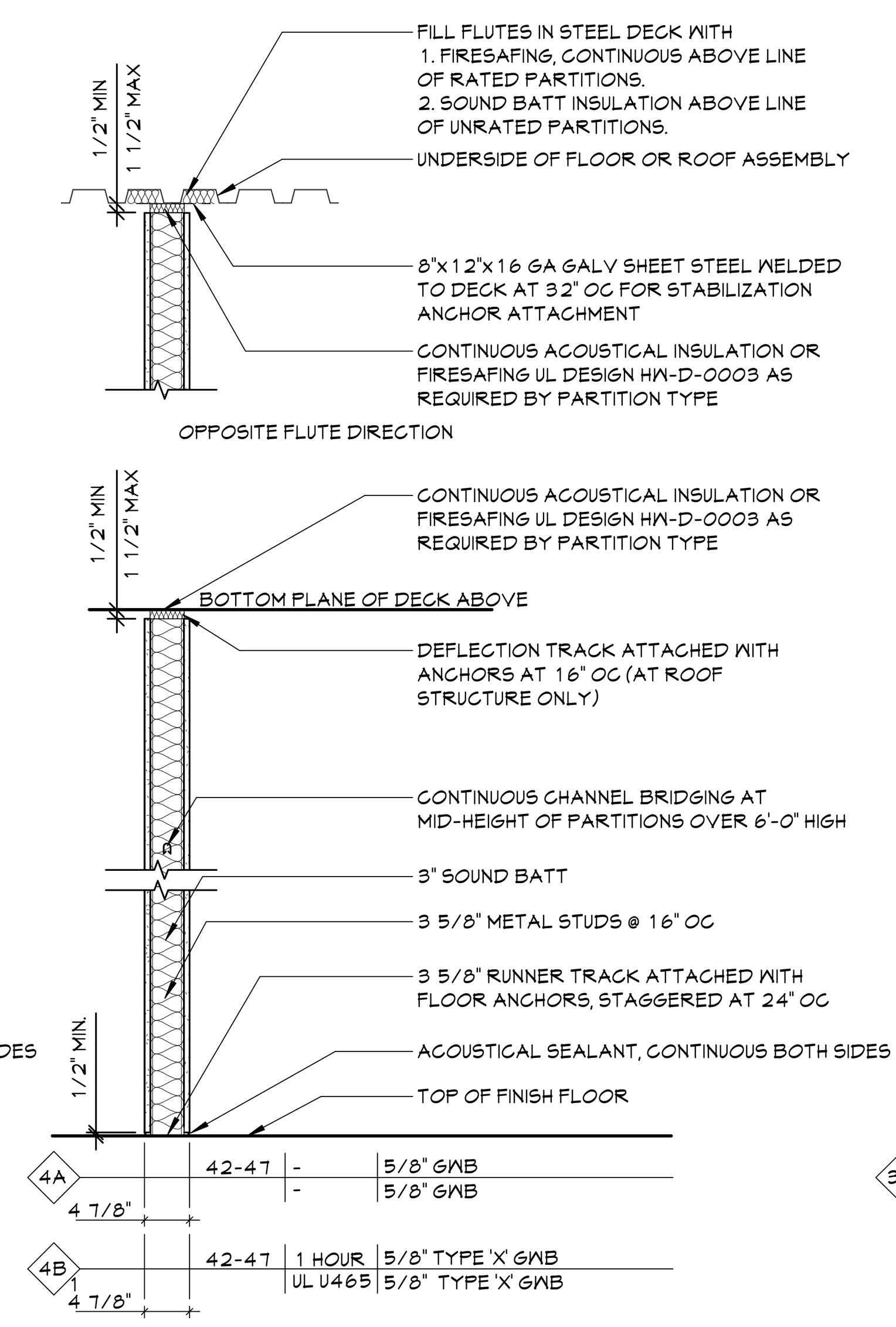
7 PARTITION TYPE '7'
A701 3/4" = 1'-0"



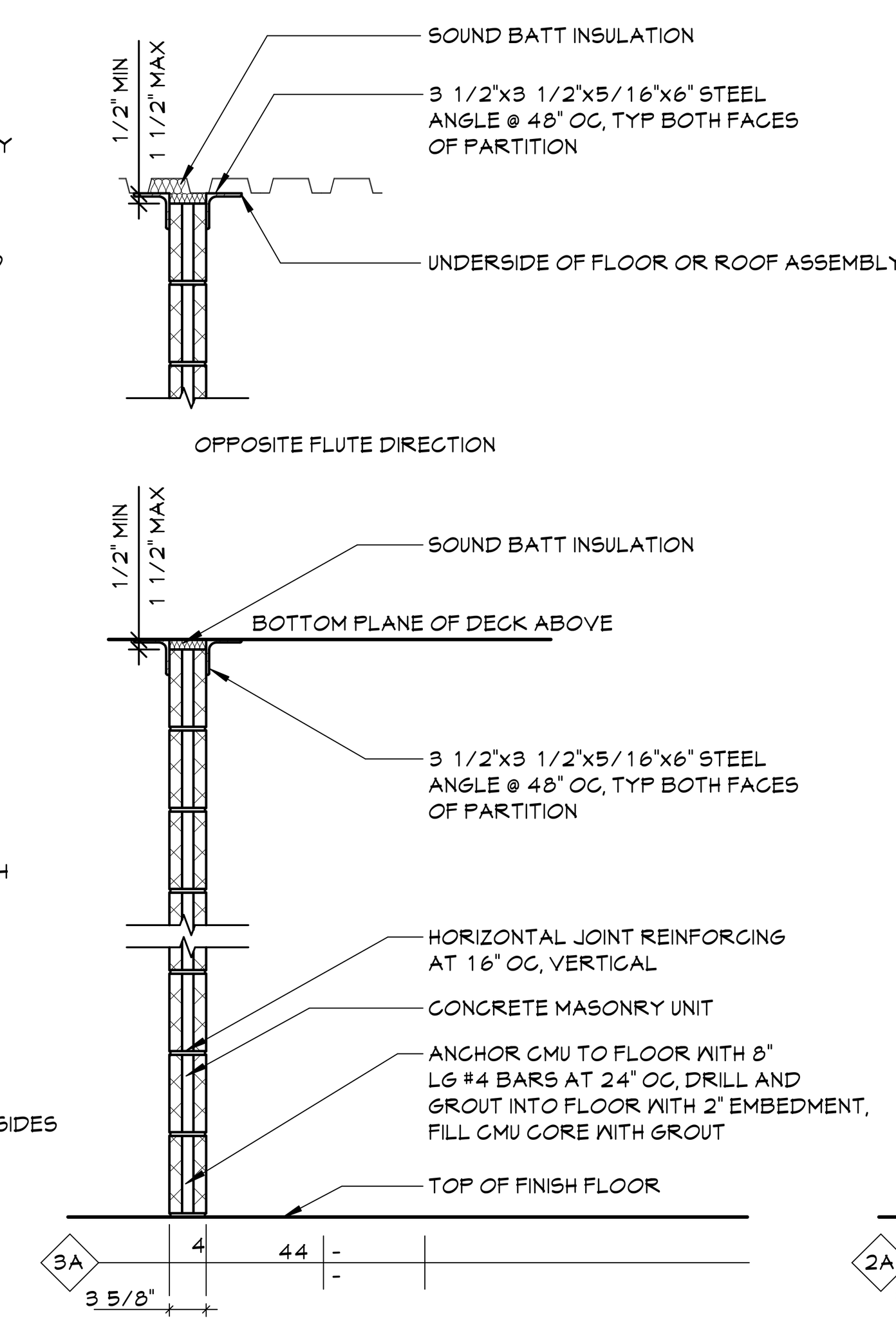
6 PARTITION TYPE '6'
A701 3/4" = 1'-0"



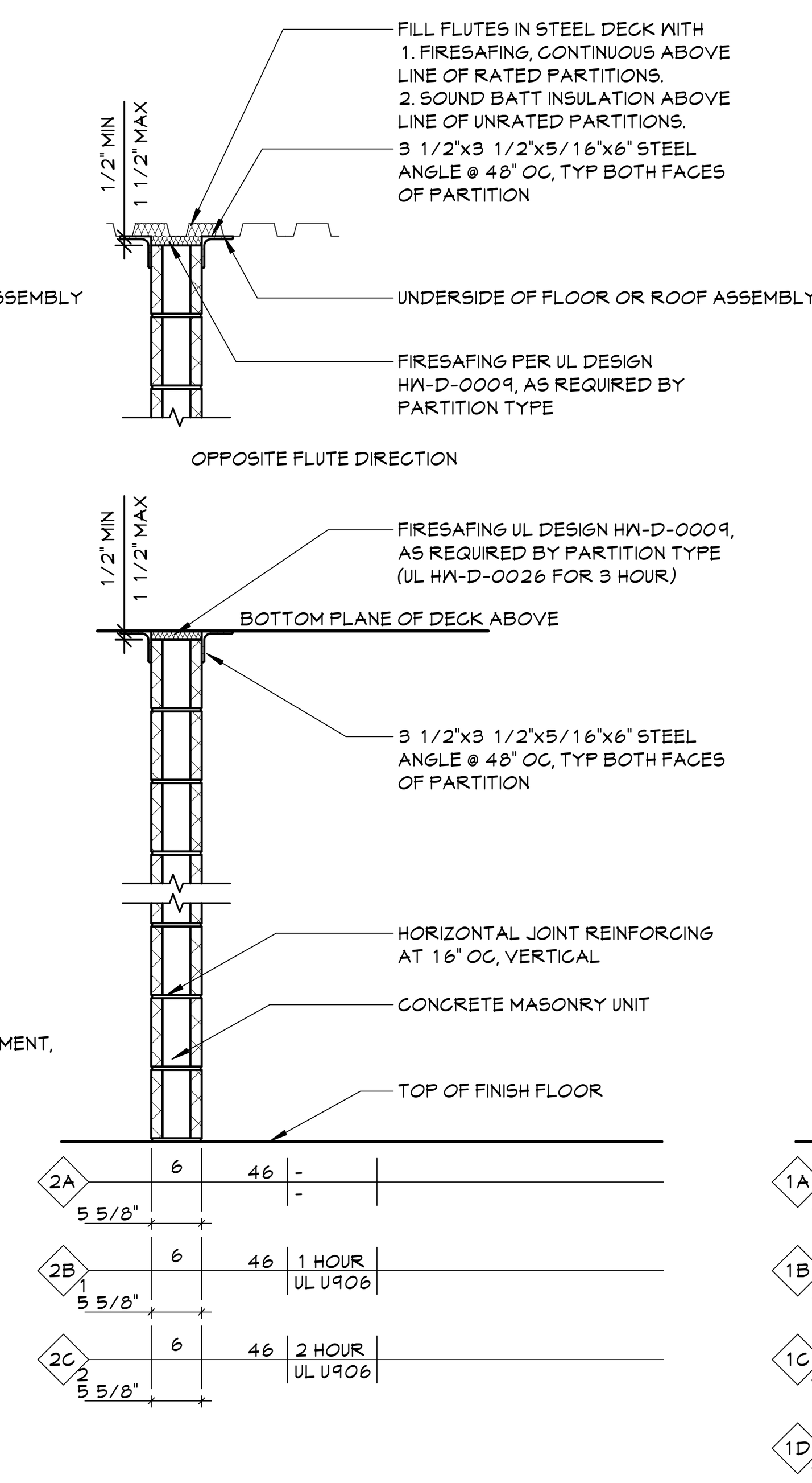
5 PARTITION TYPE '5'
A701 3/4" = 1'-0"



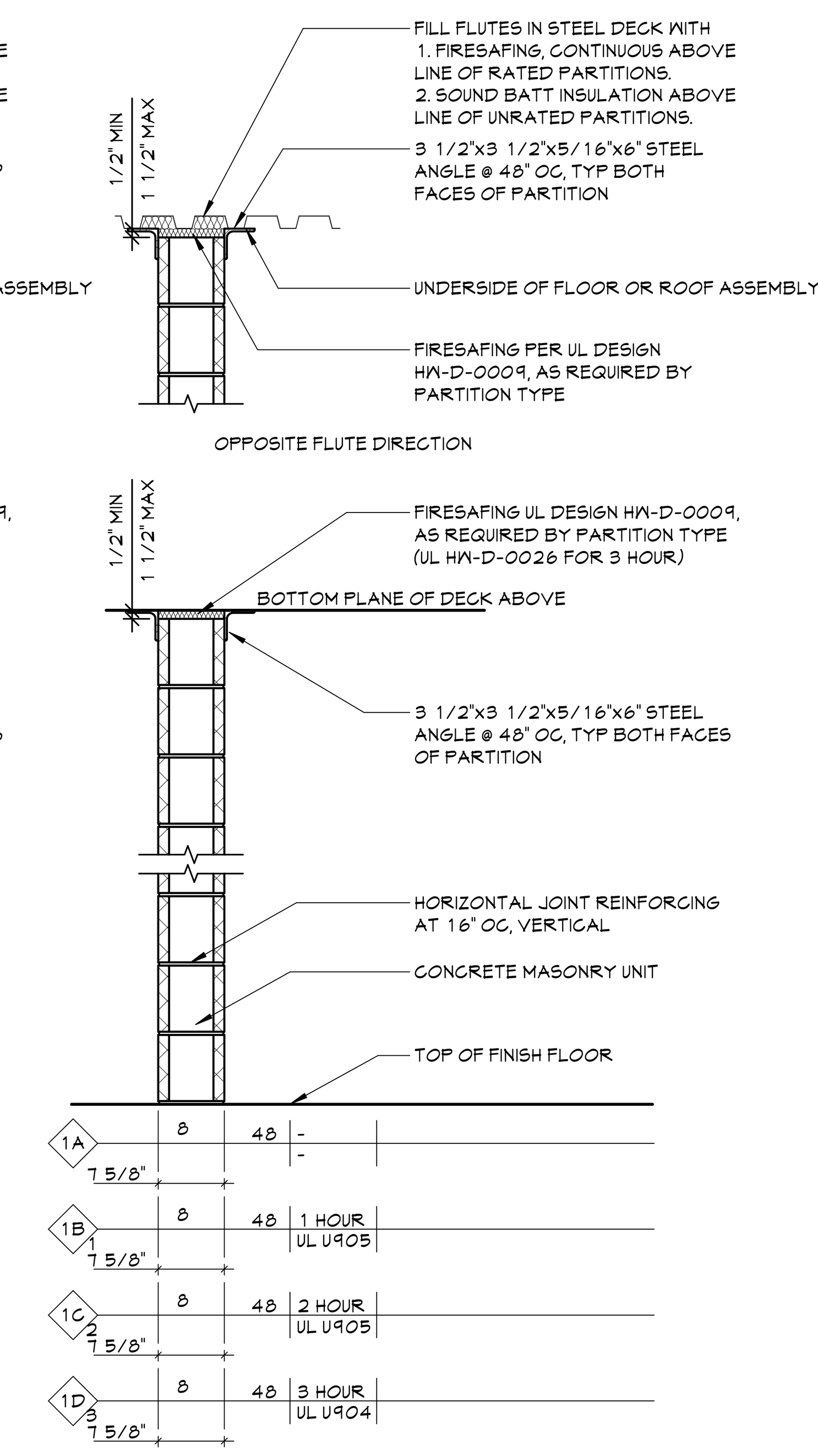
4 PARTITION TYPE '4'
A701 3/4" = 1'-0"



3 PARTITION TYPE '3'
A701 3/4" = 1'-0"

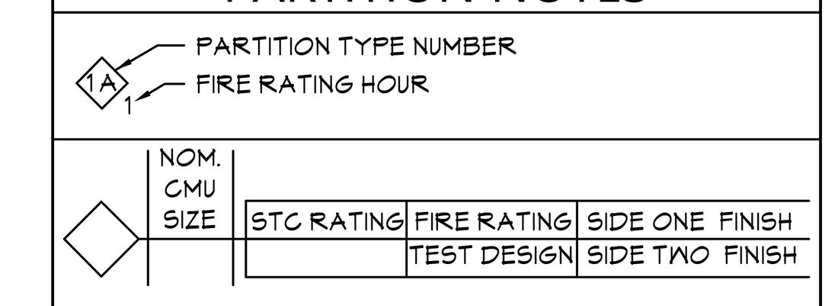


2 PARTITION TYPE '2'
A701 3/4" = 1'-0"



1 PARTITION TYPE '1'
A701 3/4" = 1'-0"

PARTITION NOTES



GENERAL PARTITION NOTES

1. THIS PARTITION TYPE SCHEDULE IS GENERIC IN NATURE. NOT ALL OF THE PARTITION TYPES ILLUSTRATED ON THIS SHEET HAVE BEEN UTILIZED IN THIS PROJECT. SEE FLOOR PLANS FOR LOCATIONS OF PARTITION TYPES USED.
2. ALL INTERIOR PARTITIONS INDICATED ON THE FLOOR PLANS SHALL BE INCLUDED IN THE CONTRACTOR'S BID. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IN WRITING OF ANY PARTITION SHOWN ON THE FLOOR PLANS WITHOUT A PARTITION TAG. THE ARCHITECT WILL DETERMINE THE PARTITION TYPE TO BE USED AT SUCH LOCATIONS.

FIRE RATED SYSTEMS

1. PROVIDE FIRE RATED JOINT SYSTEMS AT ALL INTERSECTIONS OF FIRE RATED PARTITION ASSEMBLIES AND FIRE RATED FLOOR/ROOF ASSEMBLIES. THE FIRE RATED JOINT SYSTEM SHALL HAVE A MINIMUM FIRE RESISTANCE RATING GREATER THAN OR EQUAL TO THE PARTITION IN WHICH IT IS BEING USED. THIS JOINT SYSTEM MUST BE AN APPROVED ASSEMBLY TESTED BY A NATIONALLY RECOGNIZED TESTING AGENCY.
2. PROVIDE THROUGH-PENETRATION FIRE STOP SYSTEM AT ALL PENETRATIONS THROUGH FIRE RATED PARTITION, FLOOR AND ROOF ASSEMBLIES.
THE THROUGH-PENETRATION FIRE STOP SYSTEM SHALL HAVE A MINIMUM FIRE RESISTANCE RATING GREATER THAN OR EQUAL TO THE ASSEMBLY THAT IT IS BEING USED IN. THIS FIRE STOP SYSTEM MUST BE AN APPROVED ASSEMBLY TESTED BY A NATIONALLY RECOGNIZED TESTING AGENCY.
3. ANY PRODUCT THAT EMITS ODOR MUST MEET THE REQUIREMENTS OF THE NEW YORK STATE EDUCATION DEPARTMENT.
4. CONCEALED VERTICAL SPACES IN PARTITIONS SHALL BE FILLED WITH NON COMBUSTIBLE MATERIAL, OR FIRE-STOPPED AT EACH FLOOR LEVEL AND AT THE CEILING OF THE UPPERMOST STORY, SO THAT SUCH SPACES WILL NOT BE CONTINUOUS FOR MORE THAN ONE STORY, OR COMMUNICATE WITH CONCEALED HORIZONTAL SPACES IN THE FLOOR OR ROOF CONSTRUCTION.
5. ALL PARTITION TYPE DIAGRAMS ARE GRAPHICAL IN NATURE. IN THE CASE WHERE A DIAGRAM DOES NOT SHOW ALL MATERIALS REQUIRED BY A FIRE-RATED PARTITION, THE PARTITION TYPE DESCRIPTION GOVERNS.

CMU WALL SYSTEMS

1. ALL PLAN DIMENSIONS ARE TO FACE OF CMU, UNLESS NOTED OTHERWISE.
2. PROVIDE HORIZONTAL JOINT REINFORCEMENT EVERY OTHER CMU COURSE.
3. PROVIDE (2) VERTICAL #4 BARS IN FULLY GROUTED CORES AT THE FOLLOWING LOCATIONS:
   A. PARTITION INTERSECTIONS (REINFORCE FULL HEIGHT)
   B. DOOR OPENINGS (REINFORCE FULL HEIGHT OF DOOR)
   C. WINDOW OPENINGS (REINFORCE FLOOR TO WINDOW HEAD)
   D. WALL ENDS (REINFORCE FULL HEIGHT)
4. SEE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REINFORCING AND ANCHORING REQUIREMENTS.
5. PROVIDE BULLNOSE MASONRY UNITS ON ALL OUTSIDE CORNERS OF WALLS UNLESS NOTED OTHERWISE.

METAL STUD PARTITION AND CEILING SYSTEMS

1. ALL DIMENSIONS ARE TO THE FACE OF METAL STUDS UNLESS NOTED OTHERWISE.
2. PROVIDE METAL BRACING AT THIRD POINTS AT THE INTERIOR OF METAL STUD CHASE PARTITIONS. BRACING SHALL NOT EXCEED 48" OC.
3. PROVIDE METAL L.C. BEAD, BACKER ROD AND SEALANT AT THE INTERSECTION OF GYP BD PARTITIONS AND MASONRY PARTITIONS.
4. PROVIDE ACOUSTICAL SEALANT IN THE FOLLOWING LOCATIONS:
   A. PERIMETER OF PARTITIONS
   B. RUNNERS
   C. ELECTRICAL OUTLETS
   D. PARTITION PENETRATIONS AND OPENINGS
5. PROVIDE BLOCKING WITHIN PARTITIONS TO SUPPORT PARTITION MOUNTED EQUIPMENT, FIXTURES AND ACCESSORIES. COORDINATE WITH CABINETRY DETAILS AND MEP DRAWINGS.
6. ALL INTERIOR METAL STUDS AND METAL FURRING AT PARTITIONS ARE 20 GAUGE UNLESS OTHERWISE NOTED. ALL INTERIOR METAL STUDS AND FURRING FOR CEILING SOFFITS ARE 25 GAUGE UNLESS NOTED OTHERWISE.
7. ANCHOR INSULATION TO STUD SYSTEM WITH WIRE SUPPORT SYSTEM IF INSULATION IS NOT SUPPORTED ON BOTH SIDES BY GYPSUM BOARD. WHERE DOUBLE STUD PARTITIONS ARE USED TO FORM CHASE PARTITIONS ONLY PROVIDE SOUND ATTENUATION BLANKETS ON ONE SIDE OF CHASE
8. GYPSUM BOARD SCHEDULE
- 5/8" TYPE "X" GYPSUM BOARD UNLESS NOTED OTHERWISE.
- CORRIDOR AND STUDENT OCCUPIED SPACES FROM FLOOR TO 8'-0" ABOVE FINISHED FLOOR: 5/8" TYPE "X" ABUSE RESISTANT GYPSUM BOARD
- SUSPENDED GYPSUM BOARD CEILINGS: 5/8" TYPE "X" SAG RESISTANT GYPSUM BOARD
- EXTERIOR CEILINGS AND SOFFITS: 5/8" GLASS-MAT GYPSUM SHEATHING
- PARTITIONS TO RECEIVE TILE FINISH: 5/8" TYPE "X" GLASS-MAT WATER RESISTANT BACKING BOARD
- TOILET ROOMS, KITCHENS & JANITOR CLOSETS: PARTITIONS & CEILINGS THAT DO NOT RECEIVE TILE SHALL RECEIVE 5/8" TYPE "X" MOISTURE & MOLD RESISTANT GYPSUM BOARD

MAXIMUM SPACING - GYPSUM BOARD CONTROL JOINTS

CONSTRUCTION AND LOCATION	MAX SINGLE DIMENSION	MAX SINGLE AREA
	FEET	FEET
PARTITION - INTERIOR	30	-
CEILING - INTERIOR		
W/ PERIMETER RELIEF	50	2500
W/O PERIMETER RELIEF	30	900

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Sheet Title
PARTITION TYPES

Sheet No.
NRHS A701

CONSTRUCTION DOCUMENTS

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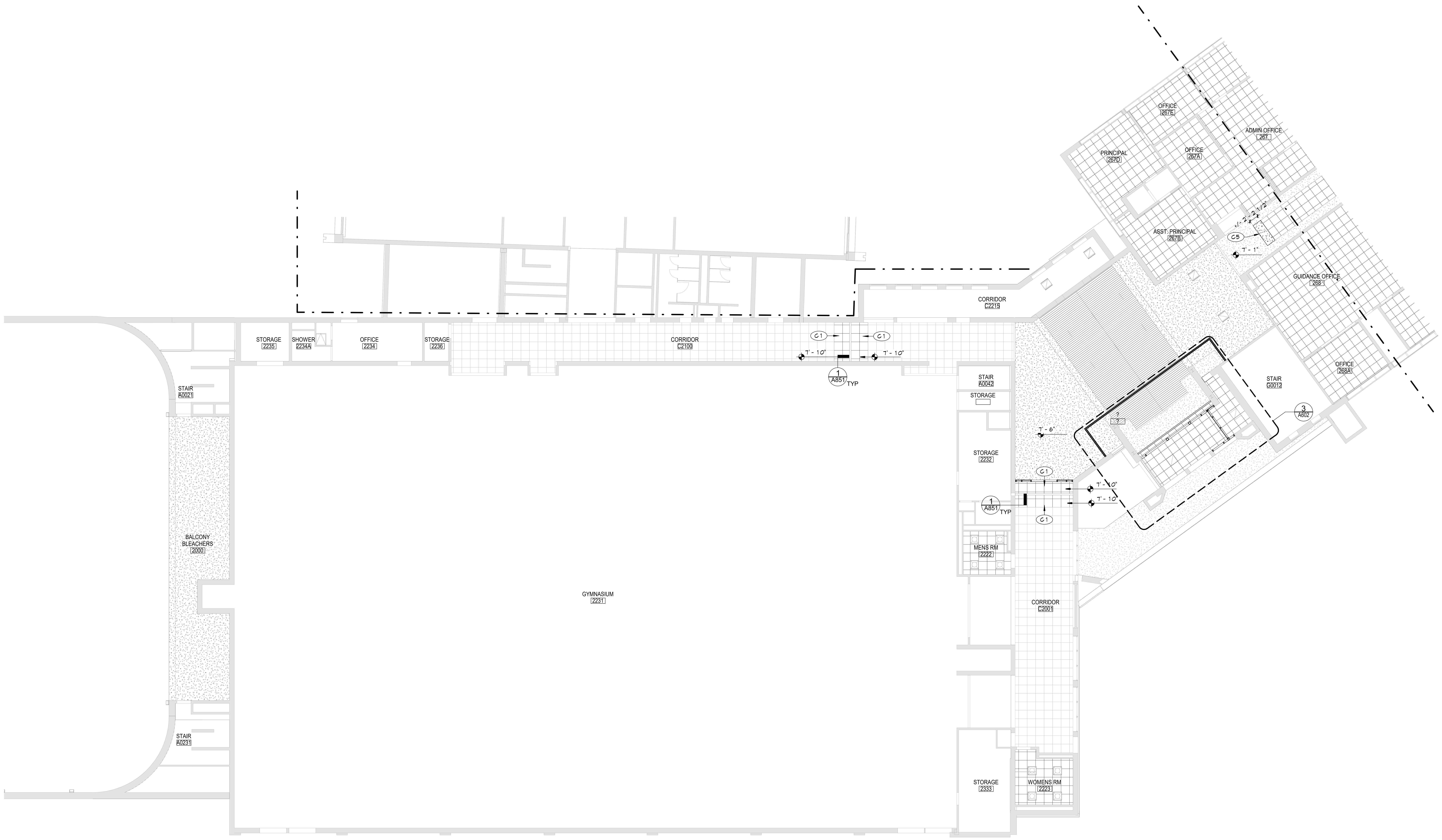

1 AREA 'A' 2nd FLOOR RCP
A821 3/32" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ADDITIONAL DIMENSIONS AND DETAILED INFORMATION.
3. REFER TO SHEET A701 FOR PARTITION TYPES AND ADDITIONAL NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

CEILING NOTES

1. INSTALL CEILING GRIDS CENTERED IN THE ROOM, UNO. IN ROOMS OTHER THAN RECTANGULAR SHAPED, INSTALL GRIDS CENTERED ON WALLS OR OTHER BUILT FEATURES AS INDICATED.
2. INSTALLATION HEIGHTS OF THE CEILINGS MAY VARY SLIGHTLY FROM PLANS IN ROOMS WITH EXTERIOR WINDOWS. ACTUAL CEILING HEIGHT TO BE VERIFIED IN THE FIELD.
3. FINAL INSTALLED CEILINGS SHALL HAVE HEIGHTS COORDINATED WITH OTHER CONTRACTORS WITH ABOVE CEILING WORK AND VERIFIED WITH FIELD CONDITIONS. ALL CHANGES IN CONFIGURATION OR HEIGHTS ARE TO BE APPROVED BY THE ARCHITECT.

CEILING LEGEND

GWB OR PLASTER CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE

SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM

+X'-X" CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

2'x4' LIGHT FIXTURE

2'x2' LIGHT FIXTURE

1'x LIGHT FIXTURE

PENDANT LIGHT FIXTURE

RECESSED DOWN LIGHT

CEILING MOUNTED EXIT SIGN

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

HVAC SUPPLY GRILLE

HVAC RETURN GRILLE

KEYNOTES

#	DESCRIPTION
C5	PROVIDE GWB CEILING ON METAL STUD FRAMING.

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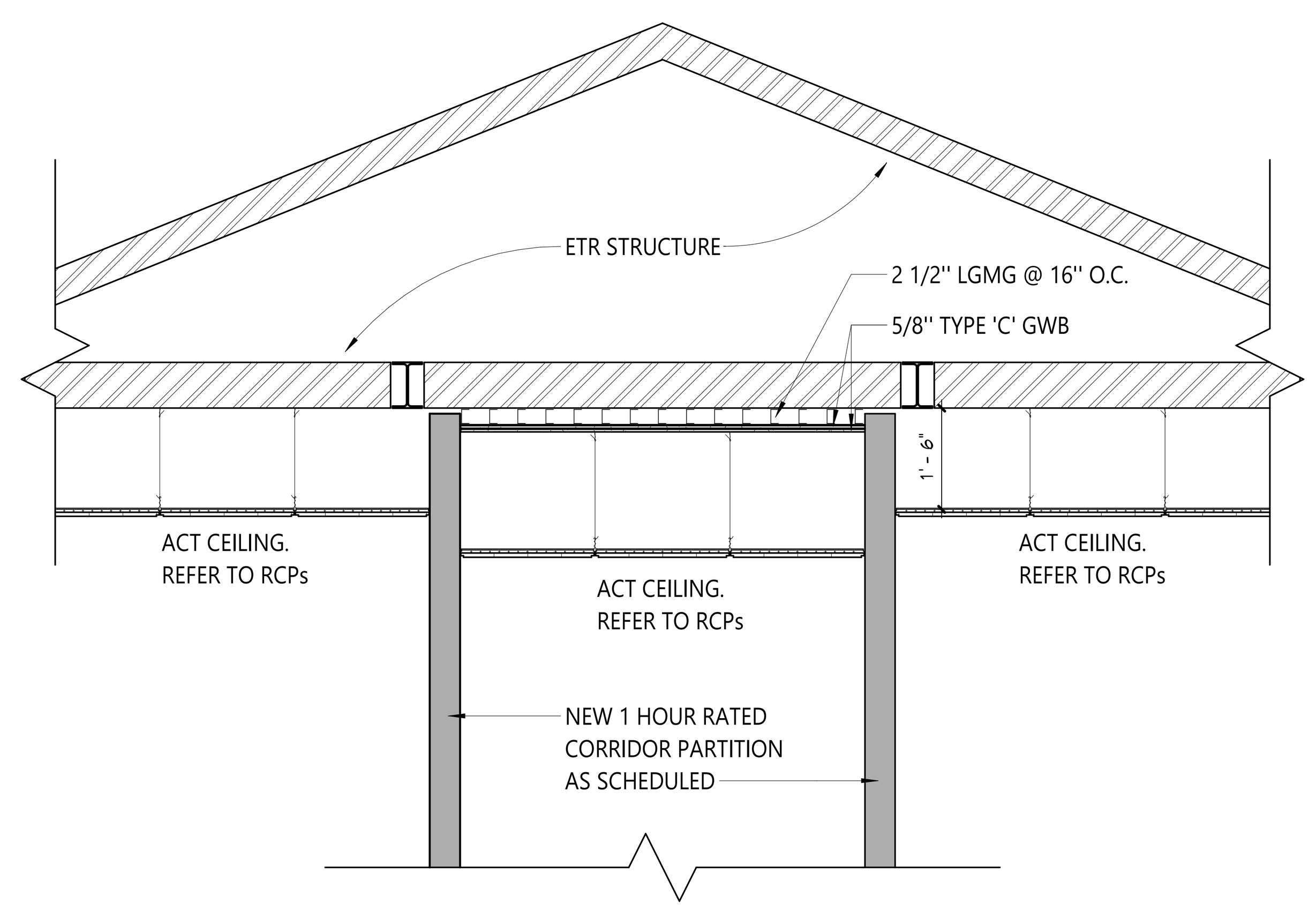
Sheet Title

AREA 'A' PARTIAL SECOND FLOOR RCP

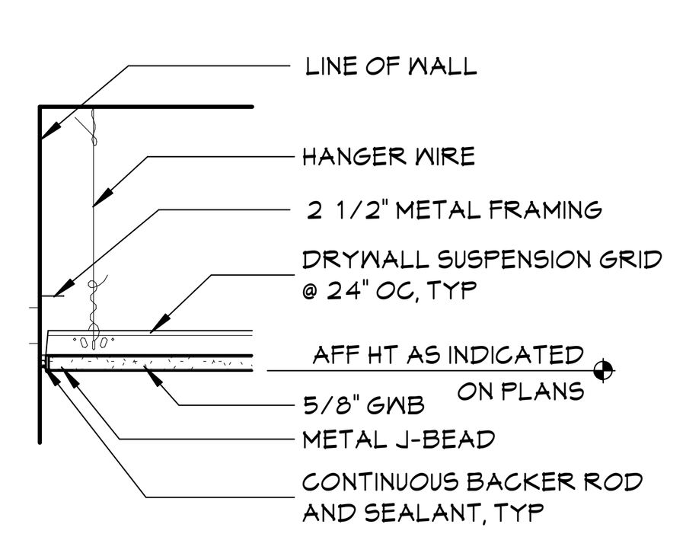
Sheet No.

NRHS A821

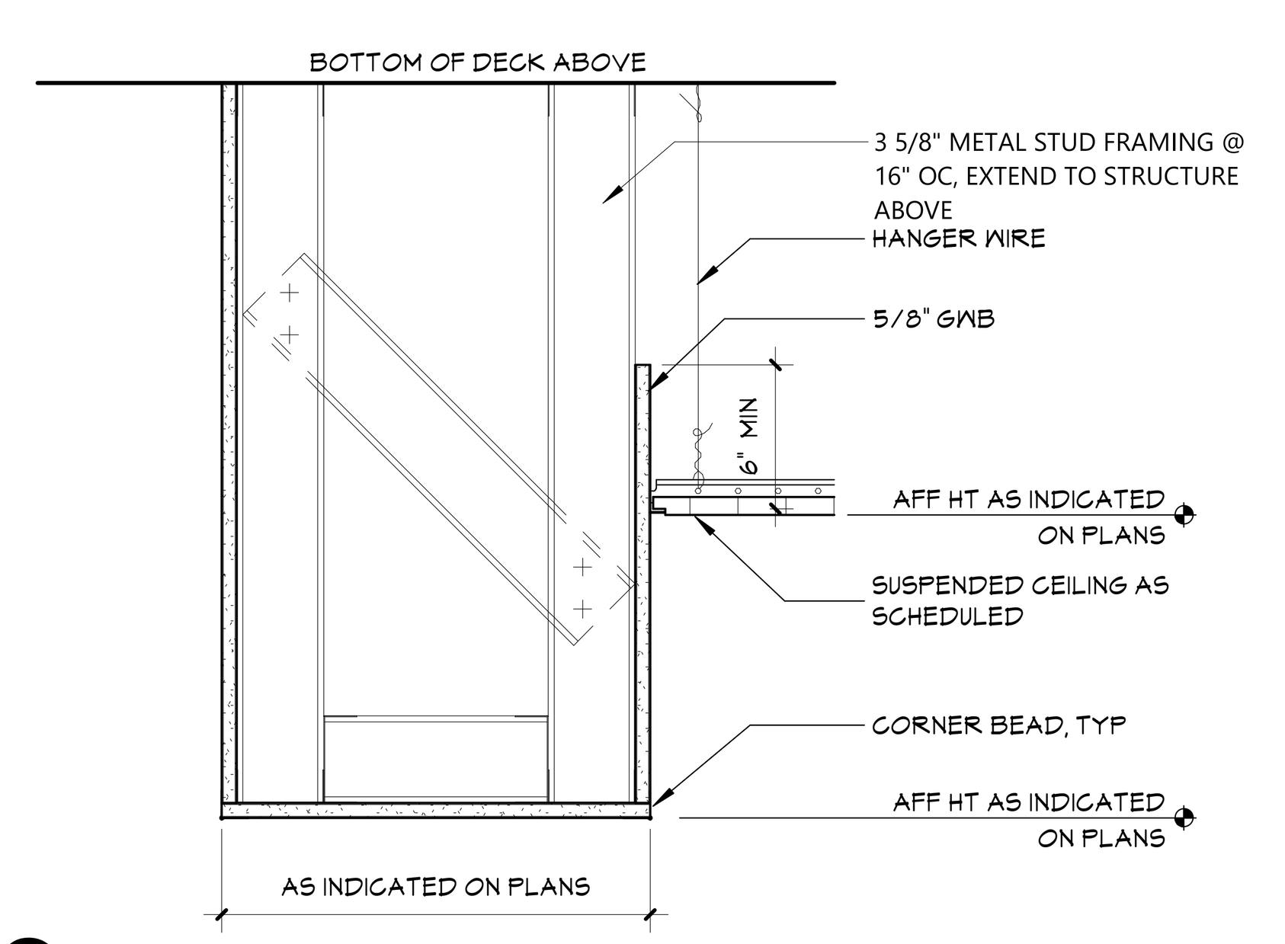
CONSTRUCTION DOCUMENTS



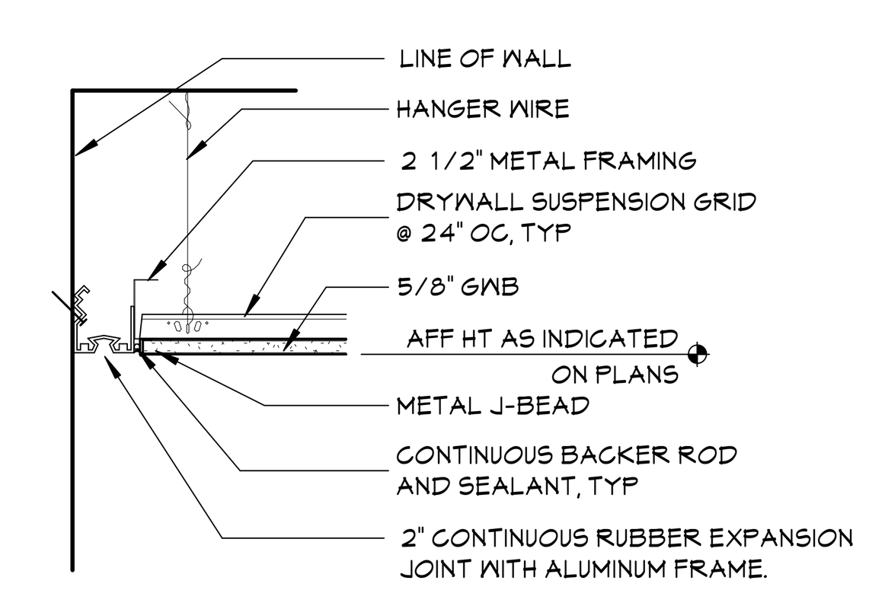
5 CEILING DETAIL
A851 1/2" = 1'-0"



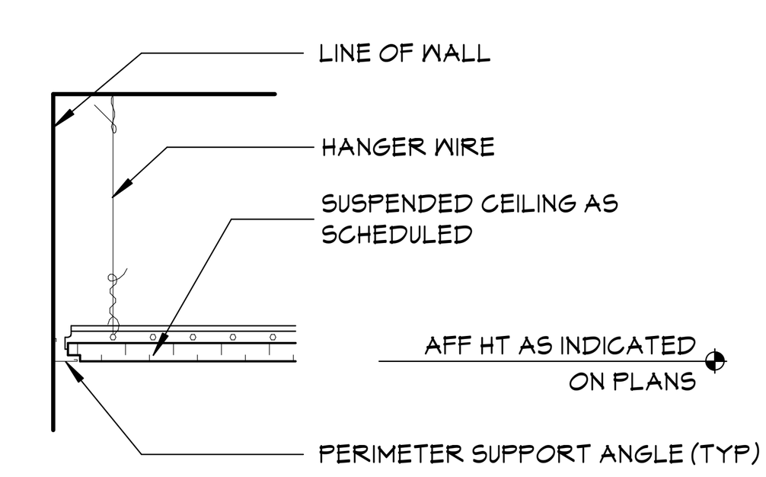
4 CEILING DETAIL
A851 1 1/2" = 1'-0"



3 SOFFIT DETAIL
A851 1 1/2" = 1'-0"



2 CEILING EXPANSION JOINT DETAIL
A851 1 1/2" = 1'-0"



1 CEILING DETAIL
A851 1 1/2" = 1'-0"

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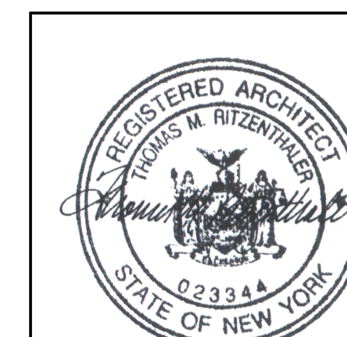
Consultant

Project Title

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1



Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	Author
Checked By:	Checker
Proj. #:	66-11-00-01-0-001-030
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Issued for Bid:	10/14/2024

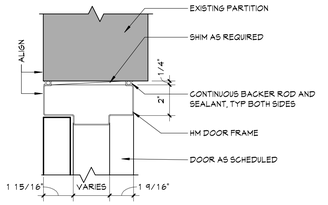
Sheet Title

TYPICAL CEILING DETAILS

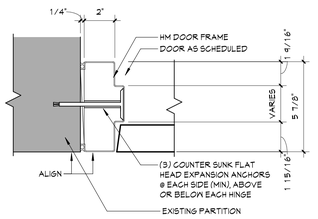
Sheet No.

NRHS A851

CONSTRUCTION DOCUMENTS



18 HEAD DETAIL
A900 3" = 1'-0"

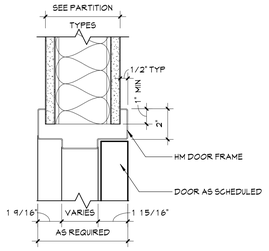


17 JAMB DETAIL
A900 3" = 1'-0"

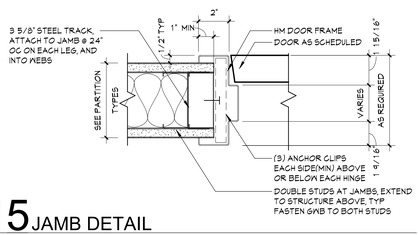
GLAZING TYPES	
CCL	LOW-E COATED, INSULATED GLASS
CI	CLEAR INSULATED GLASS
FR	FIRE RATED GLASS
FT	FULLY TEMPERED GLASS
LM	LAMINATED GLASS
SG	SECURITY GLASS
SP	SPANDREL GLASS
SGF	SECURITY GLAZING FILM
FRSG	FIRE-RATED SECURITY GLASS

DOOR SCHEDULE

DOOR NUMBER	DOOR										FRAME										DOOR NUMBER
	QUANTITY	FROM		TO		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	LABEL (MIN)	GLAZING	HARDWARE	MAG HOLD-OPEN	ACCESS CONTROL	REMARKS	
360H	1	C361A	CORRIDOR	360H	COMPUTER LAB	3' - 0"	6' - 8"	1 3/4"	N	WD	FF	1	HM	PT	15/A900	14/A900	-	20	FR		-	-		360H
361A	1	C361A	CORRIDOR	361A	STORAGE	3' - 0"	6' - 8"	1 3/4"	F	WD	FF	1	HM	PT	17/A900	16/A900	-	20	FR		-	-		361A
361B	1	C361A	CORRIDOR	361B	OFFICE	3' - 0"	6' - 8"	1 3/4"	N	WD	FF	1	HM	PT	17/A900	16/A900	-	20	FR		-	-		361B
361C	1	C361B	CORRIDOR	361C	OFFICE	3' - 0"	6' - 8"	1 3/4"	N	WD	FF	1	HM	PT	15/A900	14/A900	-	20	FR		-	-		361C
361D	1	C361C	CORR	361D	OFFICE	3' - 0"	6' - 8"	1 3/4"	N	WD	FF	1	HM	PT	15/A900	14/A900	-	20	FR		-	-		361D
361F	1	361F	STORAGE	C361C	CORR	3' - 0"	6' - 8"	1 3/4"	N	WD	FF	1	HM	PT	17/A900	16/A900	-	20	FR	-	-	-		361F
2220A	PR	2220	SECURED VESTIBULE		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	AL	4	ALUM	AL	17/A900	16/A900	-	-	SG		-	YES		2220A
2220B	PR	2220	SECURED VESTIBULE		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	AL	4	ALUM	AL	17/A900	16/A900	-	-	SG		YES	-		2220B
2220C		2220	SECURED VESTIBULE		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	AL	1	ALUM	AL	13/A900	12/A900	11/A900	-	SG		YES	YES		2220C
2220E	PR	2000	LOBBY	2220	SECURED VESTIBULE	3' - 0"	7' - 0"	1 3/4"	G	FRP	AL	4	ALUM	AL	13/A900	12/A900	11/A900	-	SG		YES	YES		2220E
2220F	PR	2000	LOBBY	2220	SECURED VESTIBULE	3' - 0"	7' - 0"	1 3/4"	G	FRP	AL	4	ALUM	AL	13/A900	12/A900	11/A900	-	SG		YES			2220F
2220G		2000	LOBBY	2220	SECURED VESTIBULE	3' - 0"	7' - 0"	1 3/4"	G	FRP	AL	1	ALUM	AL	13/A900	12/A900	11/A900	-	SG		YES	YES		2220G
2220H		S220B	SECURITY OFFICE	2000	LOBBY	3' - 0"	7' - 0"	1 3/4"	N	WD	FF	1	ALUM	AL	13/A900	12/A900	11/A900	20	FR		-	YES		2220H
C313	1	C361A	CORRIDOR	C313	CORRIDOR	3' - 5"	7' - 0"	1 3/4"	G	WD	FF	1	HM	PT	17/A900	16/A900	-	20	FR		YES	-		C313
C361	PR	C311	CORRIDOR	C361A	CORRIDOR	3' - 0"	7' - 0"	1 3/4"	G	WD	FF	4	HM	PT	15/A900	14/A900	-	20	FR		YES	-	NEW FRAME, WIDER OPENING	C361
C361B	1	C361A	CORRIDOR	C361B	CORRIDOR	3' - 0"	6' - 8"	1 3/4"	G	WD	FF	3	HM	PT	15/A900	14/A900	-	20	FR		-	-		C361B



16 HEAD DETAIL
A900 3" = 1'-0"



15 JAMB DETAIL
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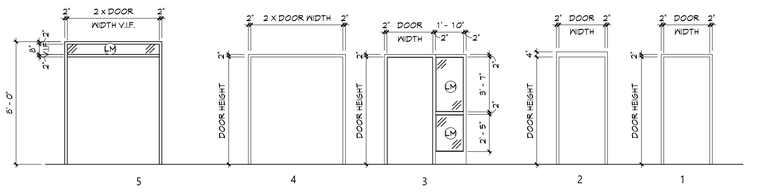
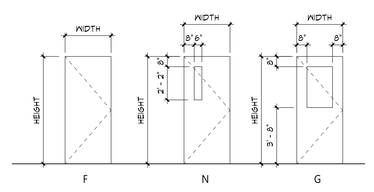
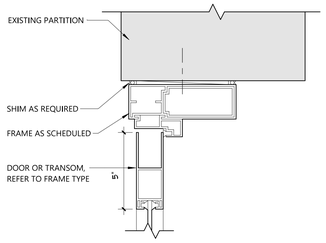


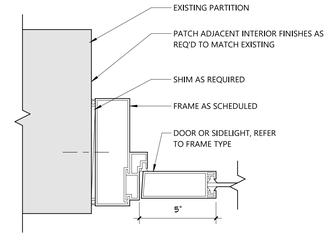
DOOR FRAME TYPES
1/4" = 1'-0"



DOOR TYPES
1/4" = 1'-0"



14 HEAD DETAIL
A900 3" = 1'-0"



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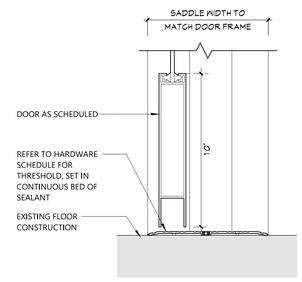
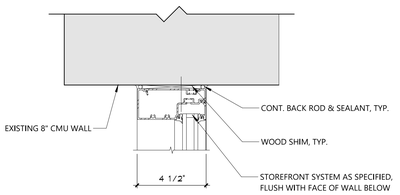
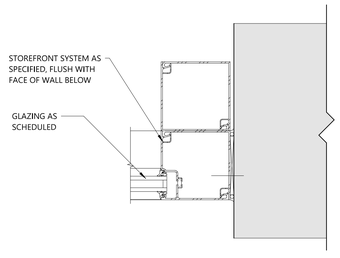
A900 3" = 1'-0"



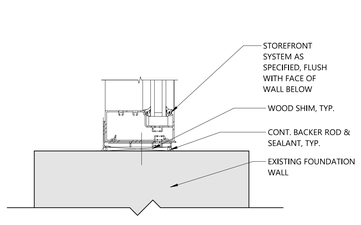
12 SILL DETAIL
A900 3" = 1'-0"



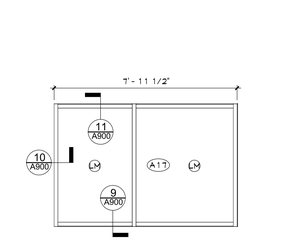
11 HEAD DETAIL
A900 3" = 1'-0"



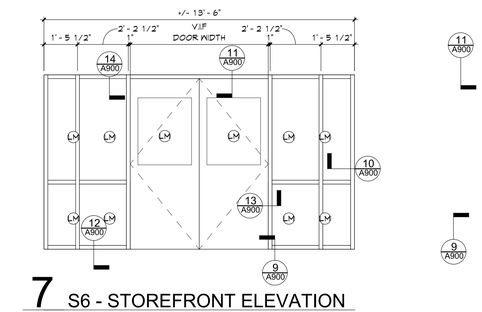
10 JAMB DETAIL
A900 3" = 1'-0"



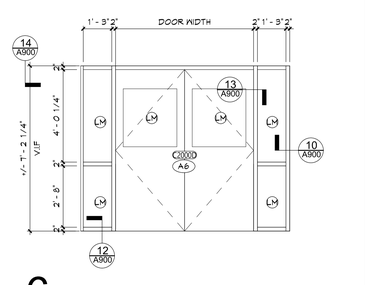
9 SILL DETAIL
A900 3" = 1'-0"



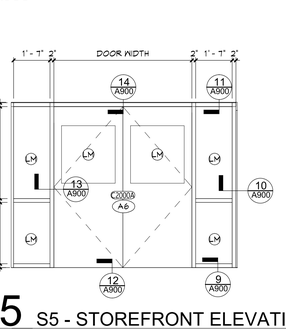
8 S8 - STOREFRONT ELEVATION
A900 3/8" = 1'-0"



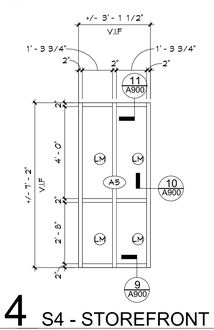
7 S6 - STOREFRONT ELEVATION
A900 3/8" = 1'-0"



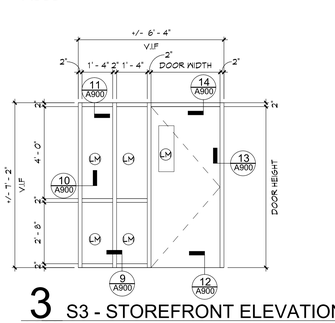
6 S7 - STOREFRONT ELEVATION
A900 3/8" = 1'-0"



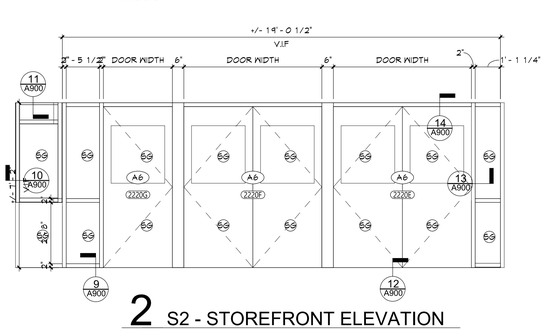
5 S5 - STOREFRONT ELEVATION
A900 3/8" = 1'-0"



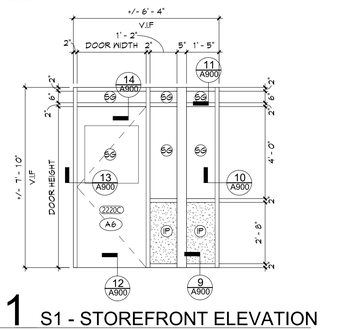
4 S4 - STOREFRONT ELEVATION
A900 3/8" = 1'-0"



3 S3 - STOREFRONT ELEVATION
A900 3/8" = 1'-0"



2 S2 - STOREFRONT ELEVATION
A900 3/8" = 1'-0"
NOTE: INSULATED SECURITY GLAZING, TYPICAL



1 S1 - STOREFRONT ELEVATION
A900 3/8" = 1'-0"
NOTE: INSULATED SECURITY GLAZING, TYPICAL

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Consultant

CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	NS
Checked By:	MZ
Proj. #:	66-11-00-01-0-001-030
CSArch Proj. #:	188-2301.01
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Sheet Title

DOOR SCHEDULE

Sheet No.

NRHS A900

CONSTRUCTION DOCUMENTS

C:\Users\rcollura\Documents\188-2301.00_NEW_ROCHELLE_HS_rcolluraXVARE.rvt

SIGNAGE SCHEDULE - PH 1

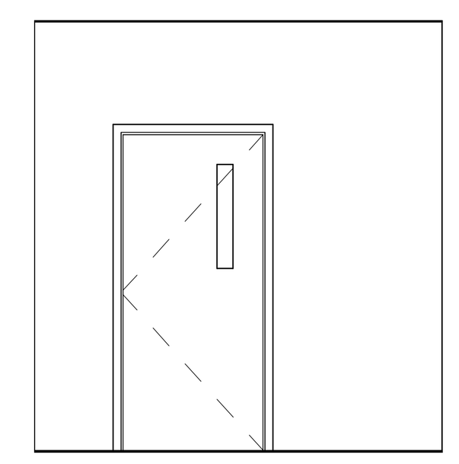
ROOM NUMBER	ROOM NAME	SIGN TYPE
361A	STORAGE	G2
361B	OFFICE	G2
361C	OFFICE	G2
361D	OFFICE	G2
361F	STORAGE	G2
C361C	CORR	G2

ROOM FINISH SCHEDULE

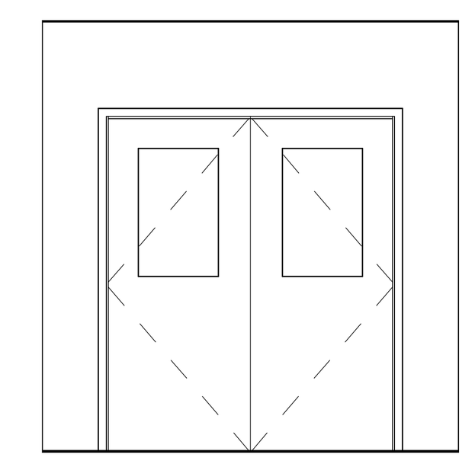
ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR BASE	CEILING	Wall Finish	REMARKS
360H	COMPUTER LAB	LVT-2	RB-1		PNT-1	
361A	STORAGE	ETR	RB-1		PNT-2	
361B	OFFICE	LVT-2	RB-1		PNT-2	
361C	OFFICE	LVT-2	RB-1		PNT-2	
361D	OFFICE	LVT-2	RB-1		PNT-2	
361F	STORAGE	ETR	RB-1		PNT-2	
2220	SECURED VESTIBULE	LVT-1	RB-1		PNT-1	
C311	CORRIDOR	VCT-1	RB-1		PNT-2	
C361A	CORRIDOR	LVT-2	RB-1		PNT-2	
C361B	CORRIDOR	LVT-2	RB-1		PNT-2	
C361C	CORR	LVT-2	RB-1		PNT-2	
S220B	SECURITY OFFICE	LVT-1	RB-1		PNT-1	
S220B	SECURITY OFFICE	LVT-1	RB-1		PNT-1	

MATERIALS LEGEND

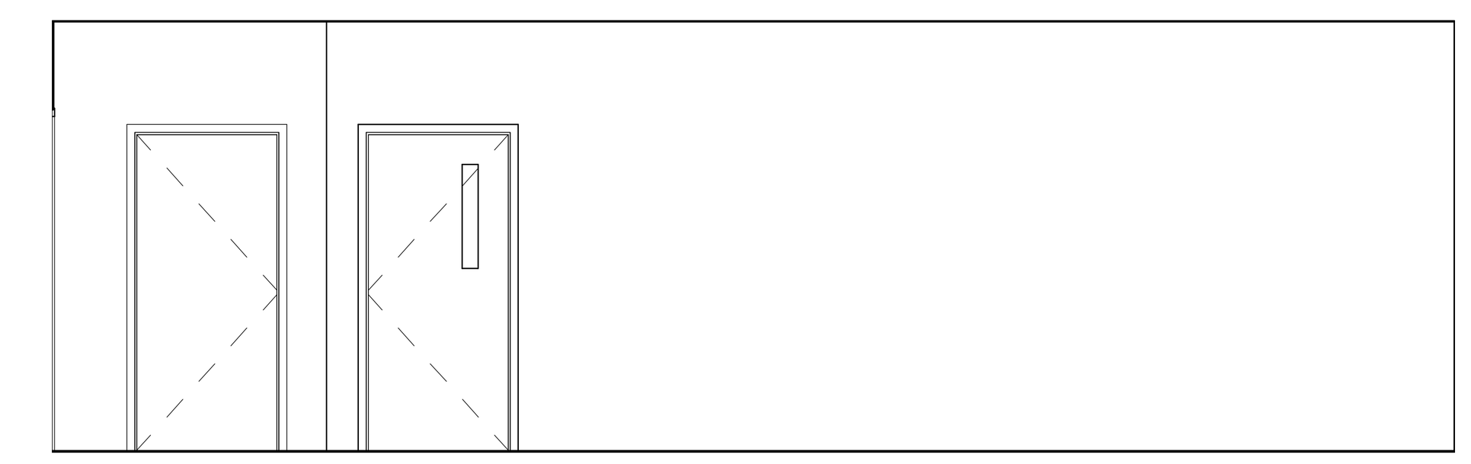
MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
LUXURY VINYL TILE					
LVT-1	MANNINGTON	SPACIA - ABSTRACT	SS5A3627 STELLAR GREY	7.25" x 48	SECURITY/ VESTIBULE
LVT-2	TARKETT	EVENT + WOOD - CRAFTED PLANK	2131 PROVENCE	6" X 48"	3RD FLOOR
PAINT					
PNT-1	SHERWIN WILLIAMS	EGGSHELL	SW 7656 ROCK CANDY		SECURITY/ VESTIBULE
PNT-2	SHERWIN WILLIAMS	EGGSHELL	SW 7013 IVORY LACE		3RD FLOOR/ CORRIDOR C311
PNT-3	SHERWIN WILLIAMS	SEMI-GLOSS	SW 6258 TRICORN BLACK		HM DOOR AND TRIM
RUBBER BASE					
RB-1	ROPPE	BASEWORKS	40 BLACK	4"	TYP. FIELD
SOLID SURFACE					
SS-1	DUPONT	CORIAN	MATTERHORN		COUNTERTOP @ SECURITY
VINYL COMPOSITION TILE					
VCT-1	ARMSTRONG	STANDARD EXCELON	AS SELECTED FROM FULL RANGE OF COLOR/ MATCH EXISTING	12" X 12"	CORRIDOR C311



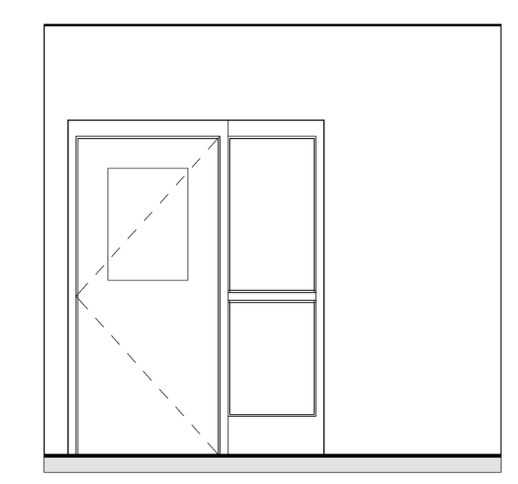
9 C361C SOUTH ELEVATION
AF121 1/4" = 1'-0"



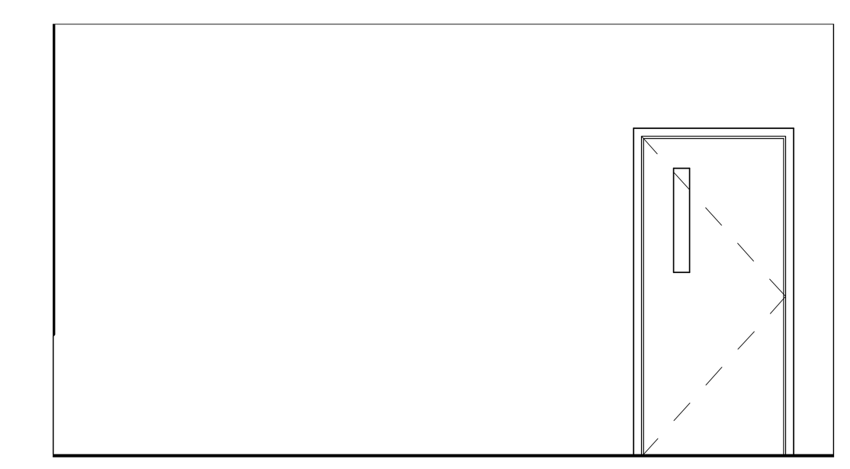
8 C361A EAST ELEVATION
AF121 1/4" = 1'-0"



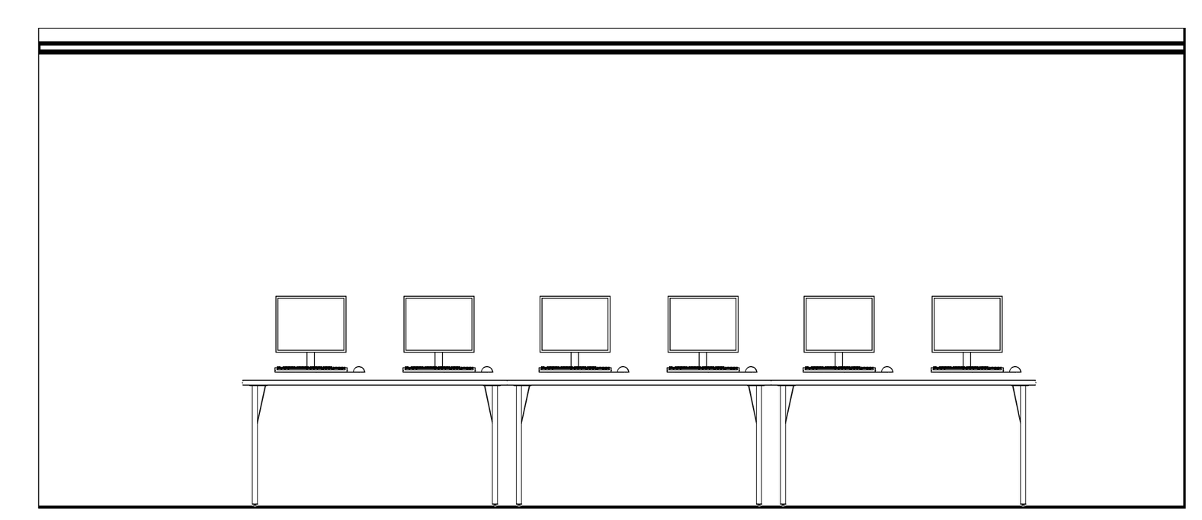
7 C361A SOUTH ELEVATION 2
AF121 1/4" = 1'-0"



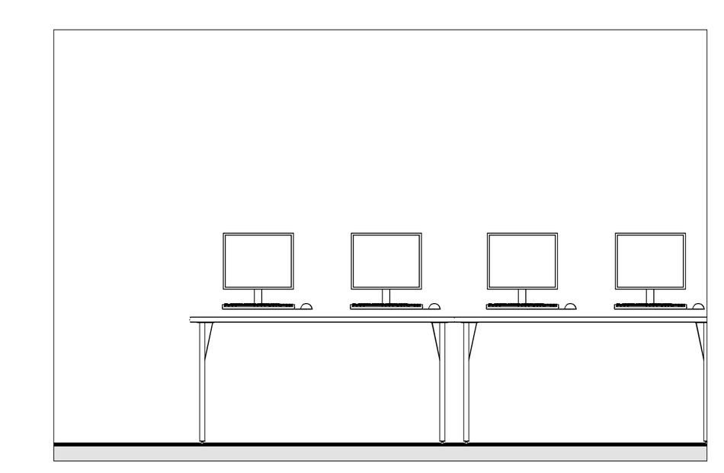
6 C361A SOUTH ELEVATION
AF121 1/4" = 1'-0"



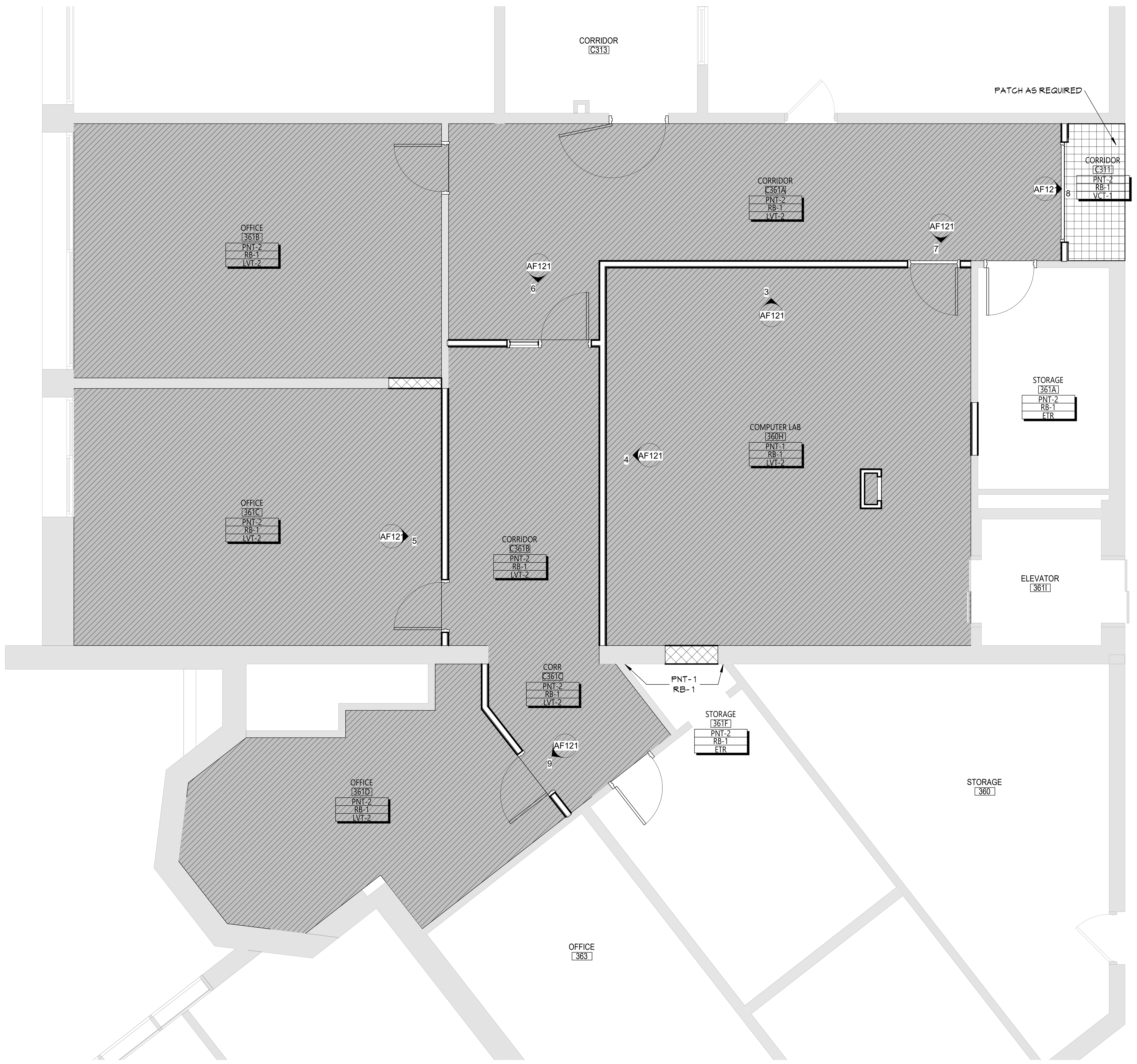
5 361C EAST ELEVATION
AF121 1/4" = 1'-0"



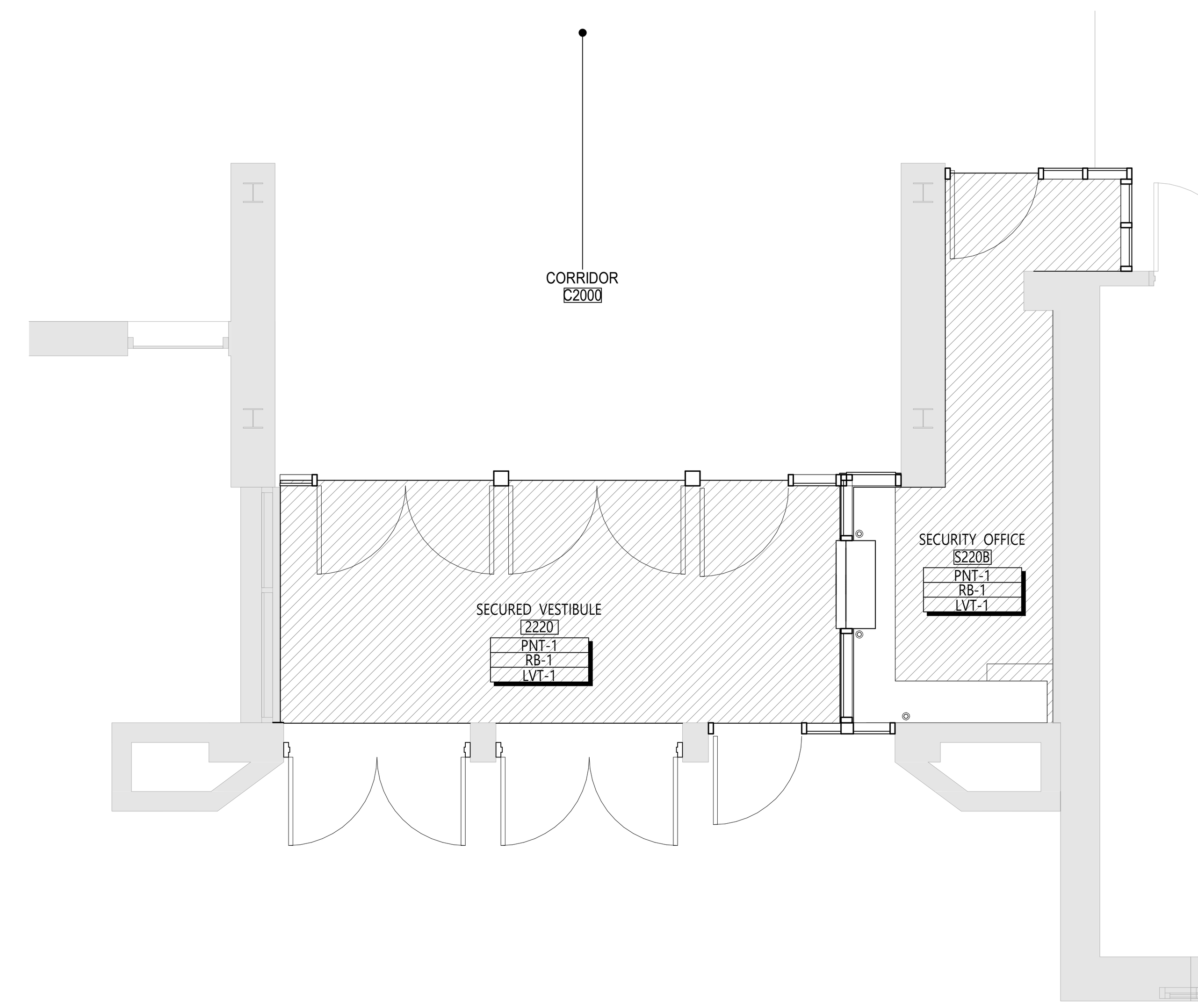
4 360H WEST ELEVATION
AF121 1/4" = 1'-0"



3 360H NORTH ELEVATION
AF121 1/4" = 1'-0"



2 AF121 - AREA 'F' THIRD FLOOR ENLARGED FINISH PLAN
AF121 1/4" = 1'-0"



1 ENLARGED SECURITY VESTIBULE FINISH PLAN
AF121 1/4" = 1'-0"

DISCLAIMER NOTE

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECT'S BASIS-OF-DESIGN SELECTIONS AND HAVE BEEN DETERMINED PRIOR TO BID. THE CONTRACTOR AND OWNER ARE HEREBY NOTIFIED THAT FINISHES INSTALLED IN THE WORK ARE SUBJECT TO CHANGE IN RESPONSE TO SUBMITTALS, CONFIRMED SELECTIONS, PRODUCT AVAILABILITY AND THE SUBSEQUENT COORDINATION OF FINISHES BY ARCHITECT AND MAY DIFFER FROM PRODUCTS LISTED HEREIN.

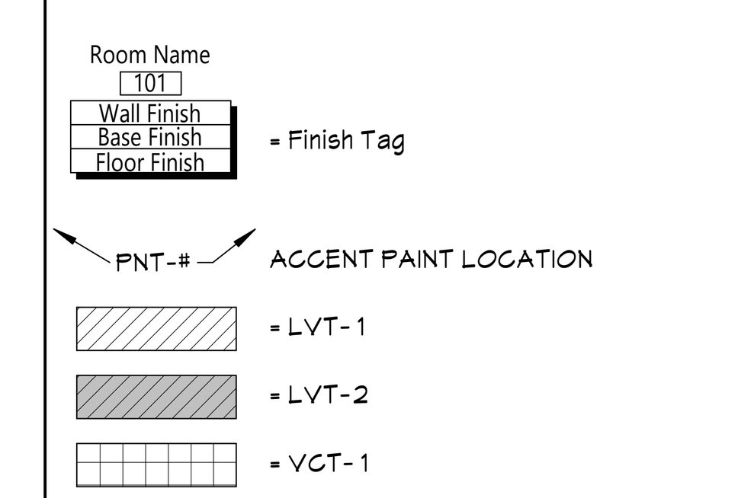
ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMC	LINEAR METAL CEILING
LVT	LUXURY VINYL TILE
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	SOLID SURFACE
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VWC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WD	WOOD
WOM	WALK-OFF MAT

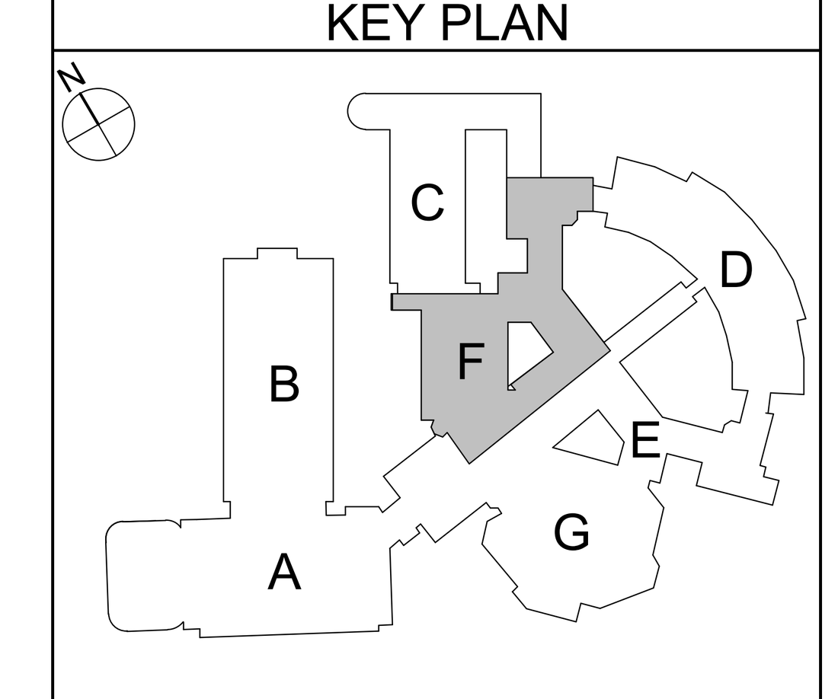
GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.

FINISH KEYS



KEY PLAN



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Consultant

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

REGISTERED ARCHITECT THOMAS M. RITZENTHALER 023344 STATE OF NEW YORK
Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

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Proj. #:	66-11-00-01-0-001-030
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Sheet Title
MATERIAL SCHEDULE AND FINISH PLANS

Sheet No.
NRHS AF121

CONSTRUCTION DOCUMENTS

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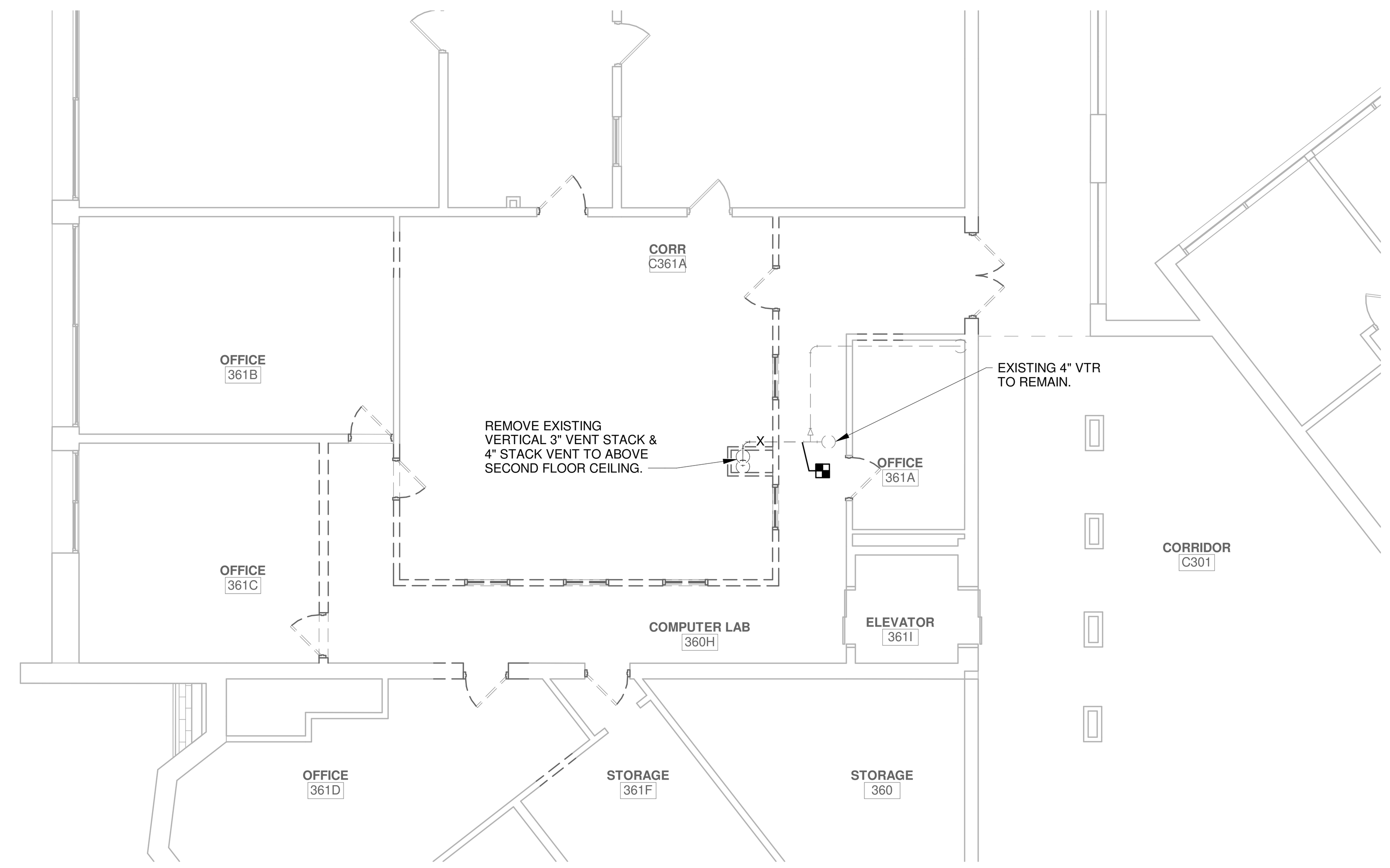
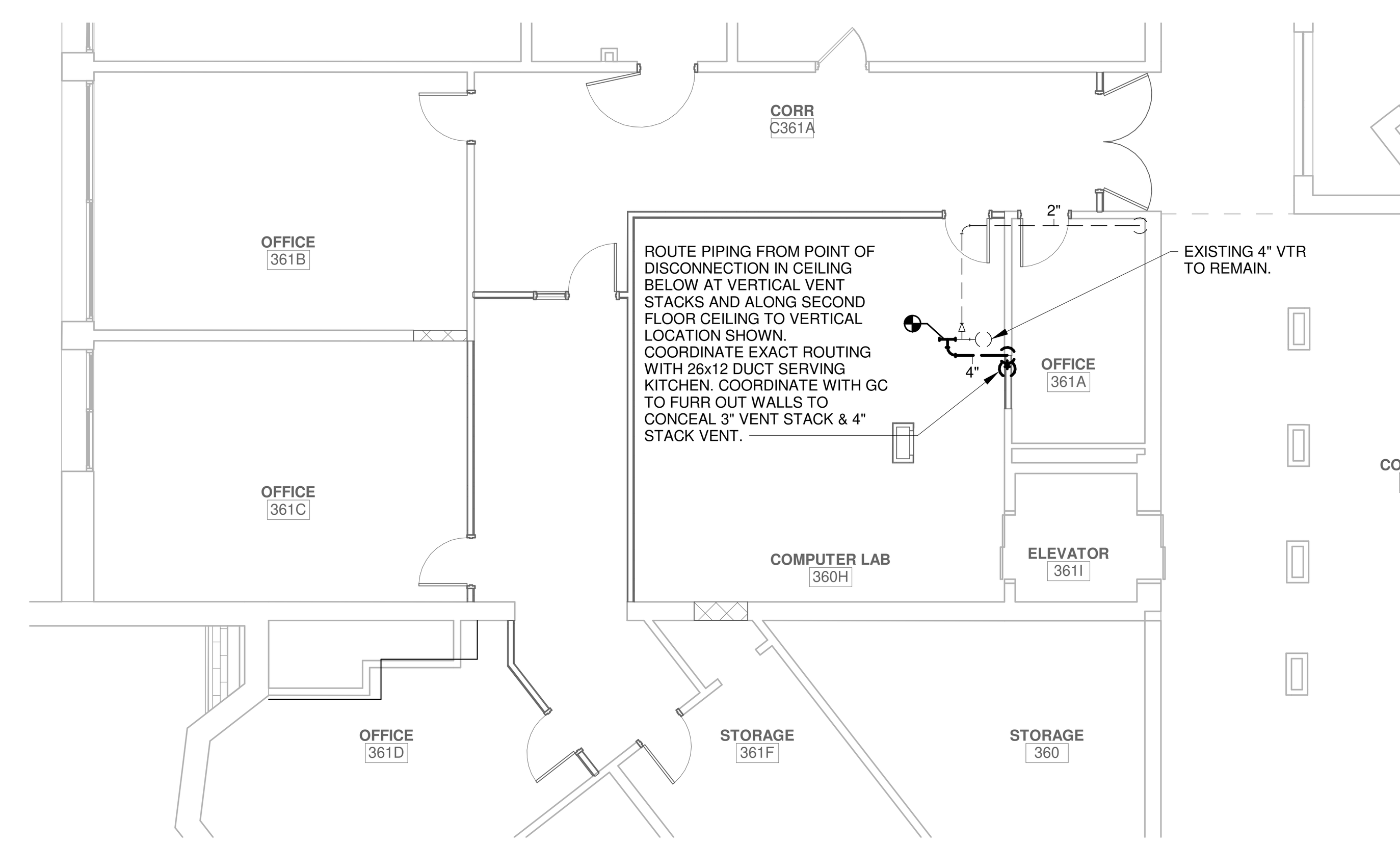
PLUMBING ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AC	AIR COMPRESSOR
ACD	ACCESS DOOR
AD	AREA DRAIN
AP	ACCESS PANEL
BFP	BACKFLOW PREVENTER
BWV	BACKWATER VALVE
BOP	BOTTOM OF PIPE
CB	CATCH BASIN
CI	CAST IRON
CLG	CEILING
CO	CLEAN OUT
CONT	CONTINUED
CODP	CLEAN OUT DECK PLATE
COTG	CLEAN OUT TO GRADE
COWP	CLEAN OUT WALL PLATE
CTE	CONNECT TO EXISTING
CW	COLD WATER
DN	DOWN
DWG	DRAWING
DF	DRINKING FOUNTAIN
ELEV	ELEVATION
EMST	EMERGENCY STORM (OVERFLOW)
EWC	ELECTRIC WATER COOLER
EXCODP	EXISTING FLOOR CLEANOUT DECK PLATE
EXFD	EXISTING FLOOR DRAIN
EXFS	EXISTING FLOOR SINK
EXMSB	EXISTING MOP SINK BASIN
EXSAN	EXISTING SANITARY
EXSK	EXISTING SINK
EXSS	EXISTING SERVICE SINK
EXST	EXISTING STORM
FAI	FRESH AIR INLET
FD	FLOOR DRAIN
FLR	FLOOR
FF	FINISHED FLOOR
FS	FLOOR SINK
G	GAS
HB	HOSE BIBB
HW	HOT WATER
HWR	HOT WATER RETURN
IE	INVERT ELEVATION
LAV	LAVATORY
LDR	LEADER
MSB	MOP SINK BASIN
NFWH	NON-FREEZE WALL HYDRANT
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PG	PRESSURE GAUGE
PRV	PRESSURE REDUCING VALVE
RD	ROOF DRAIN
S	SOIL
SA	SHOCK ARRESTOR
SAN	SANITARY
SH	SHOWER
SK	SINK
SS	SERVICE SINK
ST	STORM
TEMP	TEMPERATURE
TLD	TEMPERATURE LIMITING DEVICE
TYP	TYPICAL
UR	URINAL
V	VENT
VIV	VALVE IN VERTICAL
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
W	WASTE
WC	WATER CLOSET
WF	WASH FOUNTAIN

PLUMBING SYMBOLS	
SAN	SANITARY DRAINAGE ABOVE GROUND
SAN	SANITARY DRAINAGE UNDER GROUND
EXSAN	EXISTING SANITARY DRAINAGE ABOVE GROUND
EXSAN	EXISTING SANITARY DRAINAGE UNDER GROUND
KSAN	KITCHEN SANITARY DRAINAGE ABOVE GROUND
KSAN	KITCHEN SANITARY DRAINAGE UNDER GROUND
EXKSAN	EXISTING KITCHEN SANITARY DRAINAGE ABOVE GROUND
EXKSAN	EXISTING KITCHEN SANITARY DRAINAGE UNDER GROUND
ST	STORM DRAINAGE ABOVE GROUND
ST	STORM DRAINAGE UNDER GROUND
EXST	EXISTING STORM DRAINAGE ABOVE GROUND
EXST	EXISTING STORM DRAINAGE UNDER GROUND
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RETURN PIPING
	VENT PIPING
	EXISTING COLD WATER PIPING
	EXISTING HOT WATER PIPING
	EXISTING HOT WATER RETURN PIPING
	EXISTING VENT PIPING
G	GAS PIPING
EXG	EXISTING GAS PIPING
	CLEAN OUT DECK PLATE
	LINE CLEAN OUT
	NON-FREEZE WALL HYDRANT OR HOSE BIBB
	FLOOR DRAIN OR FLOOR SINK
	TRAP
	UNION
	REDUCER
	GATE VALVE
	GLOBE VALVE
	BALL VALVE
	PLUG VALVE
	CHECK VALVE
	SOLENOID VALVE
	CURB BOX & VALVE
	RELIEF VALVE
	STRAINER
	THERMOMETER
	PRESSURE GAUGE
	ELBOW UP
	ELBOW DOWN
	TEE
	BRANCH OFF TOP OF MAIN
	BRANCH OFF BOTTOM OF MAIN
	CONNECT TO EXISTING
	EXTENT OF REMOVAL
X X X X X	EXISTING PIPING TO BE REMOVED
	HEAT TRACED PIPING
	SHOCK ARRESTOR



2 P101 PLUMBING REMOVAL PLAN
1/8" = 1'-0"



1 P101 PLUMBING PLAN - DEAD END CORRIDOR
1/8" = 1'-0"

GENERAL REMOVAL NOTES

A. UNLESS NOTED OTHERWISE, ALL ITEMS INDICATED ARE TO BE REMOVED "COMPLETE". REMOVAL SHALL INCLUDE ALL COMPONENTS, PIPING, HANGERS, SUPPORTS, ASSOCIATED WITH THE EQUIPMENT.

B. CONTRACTOR IS TO INSPECT EQUIPMENT THAT IS TO BE REUSED AND DETERMINE THAT IT IS COMPLETE AND IN GOOD WORKING ORDER. IF NOT, REPORT FINDINGS TO THE ARCHITECT/ENGINEER.

C. EVERY EFFORT HAS BEEN MADE TO INDICATE ALL EQUIPMENT THAT IS TO BE REMOVED THROUGH FIELD OBSERVATIONS, HOWEVER, THE CONTRACTOR IS TO VISIT THE SITE PRIOR TO BIDDING AND VERIFY ALL REMOVALS.

D. ALL ITEMS BEING REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER FOR FUTURE USE. IF OWNER DECIDES THE FIXTURES ARE NOT REUSABLE, THE PLUMBING CONTRACTOR SHALL DISPOSE OF THEM. COORDINATE WITH OWNER TO WALK THRU THE AREA TO DETERMINE FIXTURES TO BE SALVAGED PRIOR TO ANY DEMOLITION WORK.

E. IF THERE IS A QUESTION REGARDING A REMOVAL, THE CONTRACTOR IS TO VERIFY WITH THE OWNER OR THE OWNER'S REPRESENTATIVE AS TO THE REMOVAL STATUS BEFORE PROCEEDING.

F. ALL INTERRUPTIONS OF SERVICE SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER. PLUMBING SYSTEMS FEEDING FROM OR THROUGH THE CONTRACT AREA SHALL BE MAINTAINED.

G. WORK THIS DRAWING WITH ARCHITECTURAL DRAWINGS FOR EXTENT OF NEW WALL AND CEILING WORK.

H. COORDINATE THIS PLAN WITH NEW WORK PLAN.

GENERAL NOTES

A. ALL PIPING SHOWN IS DIAGRAMMATIC ONLY. COORDINATE THE FINAL LOCATIONS OF PLUMBING LINES AND EQUIPMENT WITH ACTUAL FIELD LOCATIONS OF STRUCTURAL MEMBERS, CONDUIT, ETC. FIELD COORDINATE ALL WORK BEFORE PURCHASING EQUIPMENT AND FABRICATING PIPE. NO EXTRAS SHALL BE PERMITTED FOR RESTOCKING REFABRICATION OR REMOVAL OF INSTALLED WORK DUE TO LACK OF COORDINATION WITH FIELD CONDITIONS. OFFSET OR RELOCATE PLUMBING LINES AS REQUIRED.

B. COORDINATE SANITARY INVERT ELEVATIONS WITH ACTUAL INVERT TIE-IN POINTS PRIOR TO ANY PIPING INSTALLATION. PIPING 2" AND SMALLER SHALL PITCH 1/4" PER FOOT MIN. PIPING LARGER THAN 2" SHALL PITCH 1/8" PER FOOT MIN. NOTIFY ENGINEER OF ANY CONFLICTS. PIPING MATERIALS AND COMPONENTS SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE ADOPTED BY NYS OR AS OTHERWISE APPROVED BY THE LOCAL PLUMBING INSPECTOR.

C. CONTRACTOR SHALL BE RESPONSIBLE FOR LEGAL OFF SITE DISPOSAL OF ALL EXCESS UNWANTED MATERIAL AND CONSTRUCTION DEBRIS DUE TO WORK OF HIS CONTRACT. SUCH MATERIAL SHALL BECOME PROPERTY OF THE CONTRACTOR.

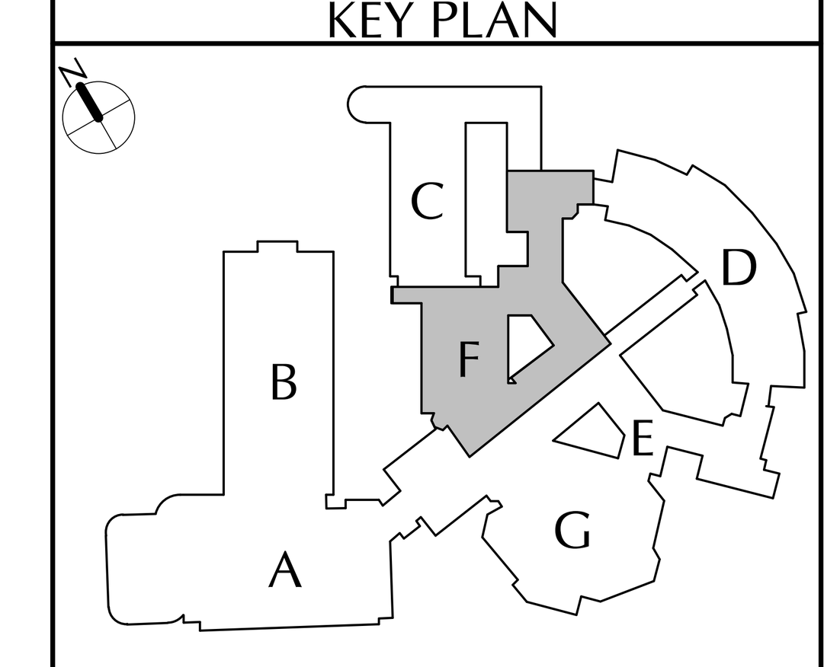
D. UNLESS NOTED OTHERWISE, ALL ITEMS INDICATED ARE TO BE INSTALLED "COMPLETE." INSTALLATION SHALL INCLUDE ALL COMPONENTS, PIPING, HANGERS, SUPPORTS, ASSOCIATED WITH THE EQUIPMENT.

E. PIPING MATERIALS AND COMPONENTS THAT ARE CONNECTED TO THE POTABLE WATER SYSTEM SHALL BE IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE ADOPTED BY NYS OR AS OTHERWISE APPROVED BY THE LOCAL PLUMBING INSPECTOR.

F. ONLY LOCALLY LICENSED PLUMBERS SHALL PROVIDE PLUMBING WORK FOR THIS PROJECT.

G. APPLY FOR AND PAY FOR ALL REQUIRED INSPECTIONS, PERMITS, SERVICE APPLICATIONS AND FEES ASSOCIATED WITH PLUMBING WORK OF PROJECT. COORDINATE WITH LOCAL AUTHORITIES AND UTILITIES FOR ADEQUATE TIME PERIODS REQUIRED TO PROCESS APPLICATIONS AND PERMITS AND SCHEDULE INSPECTIONS. COORDINATE WIHT PRPER AUTHORITIES AND UTILITES TO PROVIDE NEW WATER AND SEWER SERVICES.

KEY PLAN



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Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

EXP:11/30/2025

#	DATE	DESCRIPTION

Drawn By:	JDM
Checked By:	CB
Proj. #:	66-11-00-01-0-001-030
CSArch Proj. #:	188-2301.01
Issued for Bid:	10/14/2024

Sheet Title
PLUMBING PLANS

Sheet No.
NRHS P101

CONSTRUCTION DOCUMENTS

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SHEETMETAL LEGEND

- SUPPLY DUCT (UP & DN)
- RETURN DUCT (UP & DN)
- EXHAUST DUCT (UP & DN)
- 12"x10" RECTANGULAR DUCTWORK (WIDTH X DEPTH)
- 12"/10" FLAT OVAL DUCTWORK (WIDTH X DEPTH)
- 10"ø ROUND DUCTWORK (SIZE, DIAMETER)
- VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES)
- RADIUS ELBOW (I.D. RADIUS IS DUCT WIDTH)
- VOLUME DAMPER (SINGLE OR OPPOSED BLADE) AS SPECIFIED
- ACCESS DOOR (BOTTOM SHOWN) (AD)
- ACCESS DOOR (SIDE SHOWN)
- ACOUSTIC LINED DUCTWORK (SIZE INDICATES INSIDE DUCT DIMENSIONS)
- AUTOMATIC TEMPERATURE CONTROL DAMPER (OPPOSED BLADE TYPE)
- FLEXIBLE DUCTWORK (MAXIMUM LENGTH NOT TO EXCEED 36 INCHES)
- TRANSITION WITH FLAT SIDE
- TRANSITION ON CENTER
- RECTANGULAR TO ROUND TRANSITION
- BRANCH TAKE-OFF WITH VOLUME DAMPER
- ROUND TAP TO RECTANGULAR DUCT (BELL MOUTH) & VOLUME DAMPER
- RECTANGULAR TO ROUND TAP (HETO) & VOLUME DAMPER
- SMOKE DAMPER, FIRE DAMPER, OR COMBINATION FIRE/SMOKE DAMPER WITH ACCESS DOOR

PIPING LEGEND

- HWS — HOT WATER SUPPLY (BELOW 250° F)
- HWR — HOT WATER RETURN (BELOW 250° F)
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- HPWS — HEAT PUMP WATER SUPPLY
- HPWR — HEAT PUMP WATER RETURN
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- RHG — REFRIGERANT HOT GAS
- DTWS — DUAL TEMP WATER SUPPLY
- DTWR — DUAL TEMP WATER RETURN
- GS — GLYCOL SUPPLY
- GR — GLYCOL RETURN
- MUW — MAKE UP WATER
- CD — CONDENSATE DRAIN
- CS — CONDENSER WATER SUPPLY TO TOWER
- CR — CONDENSER WATER RETURN FROM TOWER

VALVE LEGEND

- BALL VALVE
- DRAIN VALVE WITH CAP
- BUTTERFLY VALVE
- CHECK VALVE
- TRIPLE DUTY VALVE
- PRESSURE REDUCING VALVE
- CALIBRATED BALANCING VALVE

SPECIALTY LEGEND

- Y-LINE STRAINER
- THERMOMETER
- PRESSURE GAUGE W/ NEEDLE VALVE
- T — THERMOSTAT (48" AFF)
- C — CARBON DIOXIDE SENSOR (48" AFF)
- S — DUCT MOUNTED SMOKE DETECTOR
- POINT OF DISCONNECTION
- CONNNECT TO EXISTING

DETAIL NUMBER (A1 / H001)
DRAWING NUMBER WHERE DETAIL IS DRAWN
DETAIL INDICATION

SECTION NUMBER (A / H001)
DRAWING NUMBER WHERE SECTION IS DRAWN
DIRECTION OF VIEW
SECTION INDICATION

ABBREVIATION LEGEND

ABBREVIATION	DESCRIPTION
A	
ACC	AIR-COOLED CONDENSER
ACCU	AIR-COOLED CONDENSING UNT
AD	ACCESS DOOR
AF	AIR FILTER
AFF	ABOVE FINISHED FLOOR
AFM	AIR FLOW MEASURING DEVICE
AHU	AIR HANDLING UNIT
APD	AIR PRESSURE DROP
AV	AUTOMATIC AIR VENT
B	
BTUH	BRITISH THERMAL UNITS PER HOUR
C	
CC	COOLING COIL
CCCT	CLOSED CIRCUIT COOLER
CD	CEILING DIFFUSER
CEF	CEILING EXHAUST FAN
CFM	CUBIC FEET PER MINUTE
CO	CLEAN OUT
CONT	CONTINUED
CR	CEILING RETURN
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
D	
DB	DECIBELS
DBT	DRY BULB TEMPERATURE
DIA	DIAMETER
DPT	DEW POINT TEMPERATURE
DX	DIRECT EXPANSION
E	
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EFT	ENTERING FLUID TEMPERATURE
EG	EXHAUST GRILLE
EHC	ELECTRIC HEATING COIL
ER	EXHAUST REGISTER
ERC	ENERGY RECOVERY COIL
ERP	ELECTRIC RADIANT PANEL
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
F	
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FD/SD	COMBINATION FIRE/SMOKE DAMPER
FF	FINAL FILTER
FL	FLOOR
FPM	FEET PER MINUTE
FT	FEET
G	
GAL	GALLONS
GPM	GALLONS PER MINUTE
GR	GLYCOL SUPPLY
GRV	GRAVITY ROOF VENTILATION
GS	GLYCOL SUPPLY
H	
H	HUMIDIFIER
HC	HEATING COIL
HGT	HEIGHT
HP	HORSEPOWER OR HEAT PUMP
HRU	HEAT RECOVERY UNIT
HX	HEAT EXCHANGER
IN	INCH
KW	KILOWATT
L	
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LD	LINEAR DIFFUSER
LFT	LEAVING FLUID TEMPERATURE
LPC	LOW PRESSURE CONDENSATE RETURN
LPS	LOW PRESSURE STEAM (15 PSIG AND BELOW)
LSD	LINEAR SLOT DIFFUSER
LWT	LEAVING WATER TEMPERATURE
M	
MAX	MAXIMUM
MBH	ONT THOUSAND BRITISH THERMAL UNITS PER HOUR
MC	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
MIN	MINIMUM
MPC	MEDIUM PRESSURE CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM (16-59 PSIG)
N	
NIC	NOT IN CONTRACT
NOM	NOMINAL
O	
OA	OUTSIDE AIR
P	
P	PUMP
PC	PUMPED CONDENSATE
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE OR POWER ROOF VENTILATOR
PSIG	POUND PER SQUARE INCH - GAUGE
R	
RA	RETURN AIR
RF	RETURN FAN
RG	RETURN GRILLE
RH	REHEAT COIL
RM	ROOM
ROTV	ROTARY VENTILATOR
RPM	REVOLUTIONS PER MINUTE
RR	RETURN REGISTER
RTU	ROOF-TOP UNIT
S	
SA	SUPPLY AIR
SD	SMOKE DAMPER
SF	SUPPLY FAN
SP	STATIC PRESSURE
SR	SUPPLY REGISTER
T	
TO	TRANSFER OPENING
U	
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
V	
VA	VENTILATION AIR
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VP	VACUUM PUMP
VR	VACUUM STEAM CONDENSATE RETURN
W	
WBT	WET BULB TEMPERATURE
WG	WATER GAUGE
WMS	WIRE MESH SCREEN
WPD	WATER PRESSURE DROP

DIFFUSER AND GRILLE SCHEDULE

TAG	TYPE	FACE SIZE	NECK SIZE	MOUNTING	MANUFACTURERS NAILOR	REMARKS
SD-1	SUPPLY DIFFUSER	24x24	SEE PLAN	LAY-IN	RNS	
RG-1	RETURN GRILLE	NECK +2"	SEE PLAN	LAY-IN	61EC	

HOT WATER CABINET HEATER SCHEDULE

TAG	LOCATION	ARRANGEMENT	CFM (HIGH-LOW)	ELECTRICAL HP	VOLTS	PH	HEATING COIL CAPACITY (HIGH FAN SPEED) EAT (F)	LAT (F)	MBH	GPM	EWT (F)	LWT (F)	WPD (FT)	MANUFACTURERS MODINE	REMARKS
NRHS-CH-1	SECURITY VESTIBULE	VERTICAL RECESSED	330 -195	0.25	120 V	1	60	123	22.7	2.5	200	180	0.4	CW-03	1,2,3
NRHS-CH-2	SECURITY VESTIBULE	VERTICAL RECESSED	330 -195	0.25	120 V	1	60	123	22.7	2.5	200	180	0.4	CW-03	1,2,3

REMARKS:
1. PROVIDE UNIT MOUNTED DISCONNECT & EC MOTOR.
2. PROVIDE ALL NECESSARY ACCESSORIES FOR WALL MOUNTING INCLUDING TRIM FRAME.
3. PROVIDE FRONT INLET AND OUTLET.

HEAT PUMP SCHEDULE

TAG	ASSOCIATED CONDENSING UNIT	UNIT STYLE	SERVICE	CFM (LOW-HIGH)	OA CFM	EXT S.P.	COOLING OAT (F)	EAT DB	EAT WB	MAXIMUM (MBH)	MINIMUM (MBH)	HEATING OAT (F)	EAT DB	MAXIMUM (MBH)	ELECTRICAL VOLTS	PH	MCA	MANUFACTURERS TRANE / MITSUBISHI	REMARKS
NRHS-HP-1	NRHS-CU-1	CEILING CASSETTE	SECURITY OFFICE	230 - 335	15	0	95	80	67	9.0	4.8	5	70	11.0	208	1	0.25	NTXCKS09A112AA	1,2,3,4

REMARKS:
1. PROVIDE UNIT MOUNTED DISCONNECT, WALL MOUNTED WIRED CONTROLLER, INTEGRAL CONDENSATE LIFT PUMP AND OUTSIDE AIR KIT.
2. PROVIDE BACnet INTERFACE FOR CONNECTION TO BMS.
3. PROVIDE INDOOR UNIT WITH AUXILIARY HEAT RELAY KIT TO ENABLE ZONE FINNED RADIATION AS SECOND STAGE OF HEATING.
4. OUTDOOR UNIT SHALL SUPPLY POWER TO INDOOR UNIT.

AIR COOLED CONDENSING UNIT SCHEDULE

TAG	SERVICE	NOMINAL TONS	SUCTION TEMP (F)	COOLING OAT (F)	HEATING OAT (F)	SEER	ELECTRICAL VOLTS	PH	MCA	MOCP	MANUFACTURERS TRANE / MITSUBISHI	REMARKS
NRHS-CU-1	NRHS-HP-1	0.75	45	95	5	20.2	208	1	14	24	NTXSKH09A112AA	1,2

REMARKS:
1. PROVIDE UNIT MOUNTED DISCONNECT.
2. PROVIDE ALL ACCESSORIES FOR OPERATION DOWN TO -13F.

NON-POWERED ROOF VENTILATORS SCHEDULE

TAG	SERVICE	MAX. CFM	HOOD VELOCITY (FPM)	THROAT SIZE (")	CURB CAP SIZE (")	S.P. DROP AT MAX. CFM (")	HOOD H (")	HOOD L (")	HOOD W (")	MANUFACTURERS COOK	REMARKS
NRHS-GIV-1	INTAKE	690	500	8 DIA.	18x18	0.375	8	18 DIA.	18 DIA.	PR	1

REMARKS:
1. PROVIDE 24" TALL INSULATED ROOF CURB.

HOT WATER WALL FIN RADIATION SCHEDULE

TAG	BTU/FT	HEATING ELEMENT EWT	PIPE SIZE	FIN SIZE	FINS/FT	ROWS	ENCLOSURE DEPTH	HGT.	MTG/HT	OUTLET	CRADLES	MANUFACTURERS STERLING	REMARKS
NRHS-FT-1	1170	170	3/4"	3-5/8" X 4-1/4"	50	1	5-5/16"	24	28	SLOPE TOP	2	JVB-S24	1,2

REMARKS:
1. COPPER / ALUMINUM ELEMANT.
2. PROVIDE ALL NECESSARY MOUNTING AND TRIM ACCESSORIES.

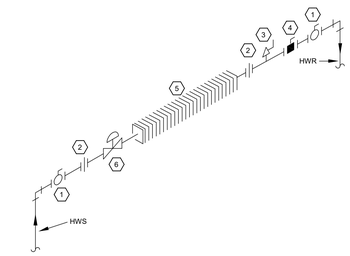
VENTILATION SCHEDULE

ROOM	ROOM NUMBER	OCCUPANCY CATEGORY	AREA (SF)	PEOPLE OUTDOOR AIR RATE (Rp) (CFM/PERSON)	AREA OUTDOOR AIR RATE (Ra) (CFM/SF)	DEFAULT VALUES OCCUPANT DENSITY (#/1000 SF)	DEFAULT VALUES NUMBER OF OCCUPANTS	OUTSIDE AIRFLOWS (CFM) CODE MIN. PEOPLE	CODE MIN. AREA	CODE MIN. COMBINED (Vbz)	DIST. EFF. (Ez)	ZONE OA MIN. (Voz)	DESIGN
SECURITY OFFICE		OFFICE SPACE	102	5	0.06	5	1	5	6	11	0.8	14	15

ENERGY CONSERVATION CODE COMPLIANCE STATEMENT:

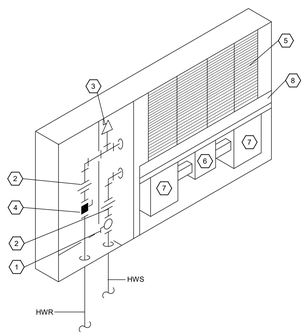
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT THE PLANS AND SPECIFICATIONS COMPLY WITH THE LATEST EDITION OF THE ENERGY CONSERVATION CODE OF NEW YORK STATE.

THE HVAC SYSTEM WAS DESIGNED IN ACCORDANCE WITH THE 2020 NEW YORK STATE ENERGY CONSERVATION CODE CHAPTER 4 (COMMERCIAL ENERGY EFFICIENCY), ACCEPTABLE PRACTICE FOR COMMERCIAL BUILDINGS METHOD. THE HEAT AND COOLING LOAD CALCULATIONS WERE PERFORMED IN ACCORDANCE WITH ASHRAE HANDBOOK OF FUNDAMENTALS CHAPTER 17 AND 18, AND APPROPRIATE EXTERIOR DESIGN ZONE CONDITIONS.



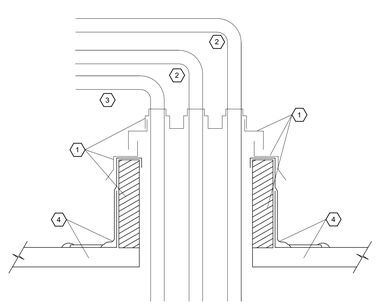
5 / M001 Hot Water Fin Radiation Piping Detail
1/8" = 1'-0"

1. BALL VALVE
2. UNION
3. MANUAL AIR VENT
4. CALIBRATED BALANCING VALVE
5. FINNED ELEMENT
6. TWO-WAY CONTROL VALVE (ELECTRIC OR PNEUMATIC AS SPECIFIED)



4 / M001 Hot Water Cabinet Heater (Upfeed)
N.T.S.

1. BALL VALVE
2. UNION
3. MANUAL AIR VENT
4. CALIBRATED BALANCING VALVE
5. HEATER COIL
6. FAN MOTOR
7. FAN
8. CABINET

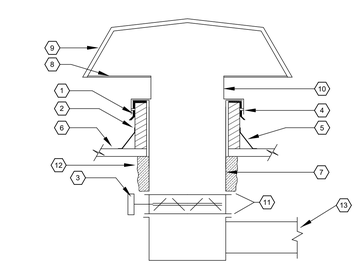


3 / M001 Roof Piping Penetration At Condensing Unit Detail
N.T.S.

1. PROVIDE STRAIGHT SIDED INSULATED CURB (MIN. 24" HIGH), COVER, CAP AND CLAMPS AS MANUFACTURED BY PORTALS PLUS OR APPROVED EQUAL.
2. REFRIGERANT PIPE; QTY PER PLANS
3. ELECTRICAL CONDUIT; QTY PER PLANS
4. ROOF FLASHING AND ROOF DECK

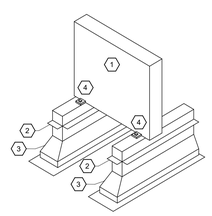
NOTE:
EACH COMPLETE PIPE PORTAL SHALL INCLUDE A BASE WITH A MOLDED SEALING RING ON A COLLARED OPENING AND AN EPDM COMPRESSION MOLDED RUBBER CAP. THE CAP AND BASE SHALL BE LOCKED WITH A "WEATHER TIGHT PRESSURE SEAL". THE PORTAL SHALL INCLUDE STAINLESS STEEL CLAMP SEALING UNITS. THE PIPE PORTAL SHALL INCLUDE A PREFABRICATED ROOF CURB, A LAMINATED ACRYLIC COATED ABS COVER WITH PRE-PUNCHED MOUNTING HOLES AND A DOUBLE MOLDED SEALING RING ON THE COLLARED OPENING.

CONTRACTOR TO VERIFY CURB DIMENSIONS IN FIELD.



2 / M001 Fresh Air Intakes And Air Relief Vents
N.T.S.

1. CAP FLASHING
2. ROOF CURB MIN. 24" HIGH. ROOF CURB TO BE PROVIDED FOR INSTALLATION ON SLOPED ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS.
3. INSULATED/THERMALLY BROKEN MOTORIZED DAMPER. TAMCO OR EQUAL.
4. LAG TO CURB
5. ROOF FLASHING
6. ROOF
7. DUCT TO BE FULL SIZE OF CURB OPENING
8. BIRD SCREEN
9. HOOD
10. 12" BASE ON INTAKES
11. FLANGED CONNECTION
12. DUCT INSULATION
13. SEE PLAN FOR DUCT SIZE AND CONTINUATION



1 / M001 Roof Mounted Condensing Unit Support - Single Unit
N.T.S.

1. AIR COOLED CONDENSING UNIT
2. COUNTER FLASHING OVER TREATED WOOD NAILER
3. WELDED GALVANIZED STEEL EQUIPMENT RAIL (MIN. 24" HIGH), MIN. 16 GAGE AS MANUFACTURED BY GREENHECK OR APPROVED EQUAL.
4. FASTEN CONDENSING UNIT TO EQUIPMENT RAIL. COORDINATE SPACING PRIOR TO INSTALLATION.

NOTE: EQUIPMENT RAIL FURNISHED BY MC AND TURNED OVER TO GC FOR INSTALLATION. COORDINATE SIZE AND LAYOUT WITH GC.

PROVIDE PROFESSIONAL ENGINEER STAMPED AND SIGNED ENGINEERING CALCULATIONS AND DETAILS OF WIND RESTRAINT SYSTEMS TO MEET TOTAL DESIGN LATERAL FORCE REQUIREMENTS FOR SUPPORT AND RESTRAINT OF MECHANICAL SYSTEMS.

WIND RESTRAINT ENGINEERING CALCULATIONS AND DETAILS SHALL PROVIDE THE QUANTITY OF ATTACHMENTS AND SIZE/TYPE OF ATTACHMENTS FOR THE MOUNTING OF SUPPORT RAIL TO THE BUILDING STRUCTURE, AND FOR ATTACHMENT OF THE EQUIPMENT TO THE SUPPORT RAIL.

SUBMIT WIND FORCE LEVEL (FP) CALCULATIONS FROM APPLICABLE BUILDING CODE. SUBMIT PRE- APPROVED RESTRAINT SELECTIONS, INSTALLATION DETAILS, PLANS INDICATING LOCATIONS OF RESTRAINTS AND MANUFACTURER'S PRODUCT DATA.

WIND RESTRAINT DESIGN CRITERIA:

ULTIMATE DESIGN WIND SPEED, V	126 MPH
EXPOSURE CATEGORY	B
RISK CATEGORY	III
HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENT (1) BUILDING HEIGHT LESS THAN 60 FT.	N/A (1)

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

STATE OF NEW YORK · CHRISTINE BENEDETTO · LICENSED PROFESSIONAL ENGINEER · 089635
EXP: 11/30/2025

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Sheet Title
Mechanical Legends, Details and Schedules

Sheet No.
NRHS M001

CONSTRUCTION DOCUMENTS

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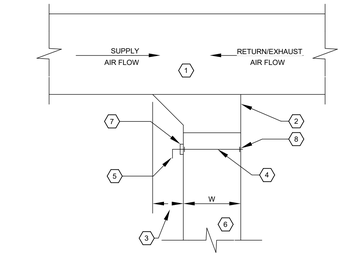


1 RECTANGULAR MAIN DUCT
2 45 DEG. TAKEOFF
3 1/4 W. 5" MINIMUM
4 VOLUME DAMPER
5 LOCKING QUADRANT
6 RECTANGULAR BRANCH DUCT
7 PROVIDE HAT CHANNEL ON INSULATED DUCTWORK
8 BEARING (TYP)

GENERAL NOTES:

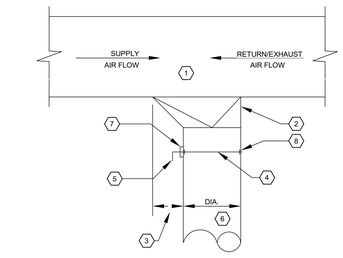
SINGLE-BLADE DAMPER SHAFT SHALL BE CONTINUOUS.

CONTRACTOR FABRICATED DAMPERS ARE NOT ACCEPTABLE ABOVE 11" IN HEIGHT.

SINGLE BLADE DAMPERS ARE NOT ACCEPTABLE FOR DUCTS OVER 11" IN HEIGHT. USE MANUFACTURED OPPOSED BLADE DAMPERS.

PROVIDE BEARINGS AT BOTH ENDS OF DAMPER BLADES WITH GASKETS AT DUCT PENETRATIONS

1 M002 Rectangular Duct Tap W/ Damper
N.T.S.



1 RECTANGULAR MAIN DUCT
2 45 DEG. TAKEOFF
3 1/4 W. 5" MINIMUM
4 VOLUME DAMPER
5 LOCKING QUADRANT
6 RECTANGULAR BRANCH DUCT
7 PROVIDE HAT CHANNEL ON INSULATED DUCTWORK
8 BEARING (TYP.)

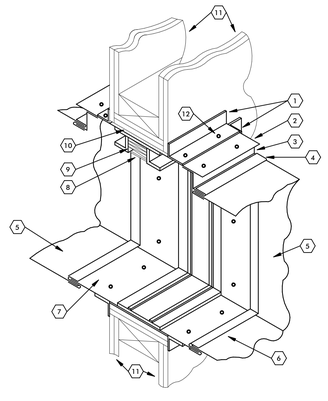
GENERAL NOTES:

SINGLE-BLADE DAMPER SHAFT SHALL BE CONTINUOUS.

CONTRACTOR FABRICATED DAMPERS ARE NOT ACCEPTABLE.

PROVIDE BEARINGS AT BOTH ENDS OF DAMPER BLADES WITH GASKETS AT DUCT PENETRATIONS

2 M002 Rectangular To Round Duct Tap W/ Damper
N.T.S.



1 RETAINING ANGLE
2 STEEL SLEEVE
3 COLLAR EXTENSION
4 "S" SLIP BREAKAWAY CONNECTION
5 SHEET METAL DUCT
6 "S" SLIP CONNECTION
7 TYPICAL SLEEVE ATTACHMENT TO RETAINING ANGLE
8 FUSIBLE LINK
9 CURTAIN TYPE BLADES
10 CLEARANCE FOR EXPANSION
11 RATED SEPARATION
12 RETAINING ANGLE FASTENERS. (FASTENERS SPACED 8" APART) (MINIMUM 2 FASTENERS ON ALL 4 SIDES)

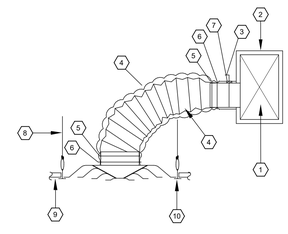
NOTES:

REFER TO SMACNA FIRE DAMPER GUIDE FOR CONSTRUCTION DETAILS

DAMPERS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURES PRINTED INSTRUCTIONS

PROVIDE DUCT ACCESS DOOR MINIMUM 16"X16" OR DUCT WIDTH BY 16" AT EACH FIRE DAMPER. LABEL EACH DOOR WITH 2" TALL LETTERS "FD". POSITION ACCESS DOOR TO PROVIDE SERVICE ACCESS OF THE FIRE DAMPER TO INCLUDE FUSIBLE LINK REPLACEMENT.

4 M002 FIRE DAMPER TYPE 'B'
N.T.S.



1 SUPPLY DUCT
2 DUCT INSULATION (AS SPECIFIED)
3 VOLUME DAMPER WITH LOCKING QUADRANT
4 ROUND INSULATED FLEXIBLE RUNOUT (3' MAX..)
5 HEAVY DUTY NYLON DUCT STRAP/CLAMP AROUND INNER DUCT LINER
6 HEAVY DUTY NYLON DUCT STRAP/CLAMP AROUND OUTER DUCT LINER
7 PROVIDE RAISED HAT CHANNEL ON INSULATED DUCTWORK
8 HANGER WIRE
9 CEILING TILE
10 STEEL GRID TEE

3 M002 Diffuser Connection Detail
N.T.S.

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Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

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Sheet Title
Mechanical Details

Sheet No.
NRHS M002

CONSTRUCTION DOCUMENTS

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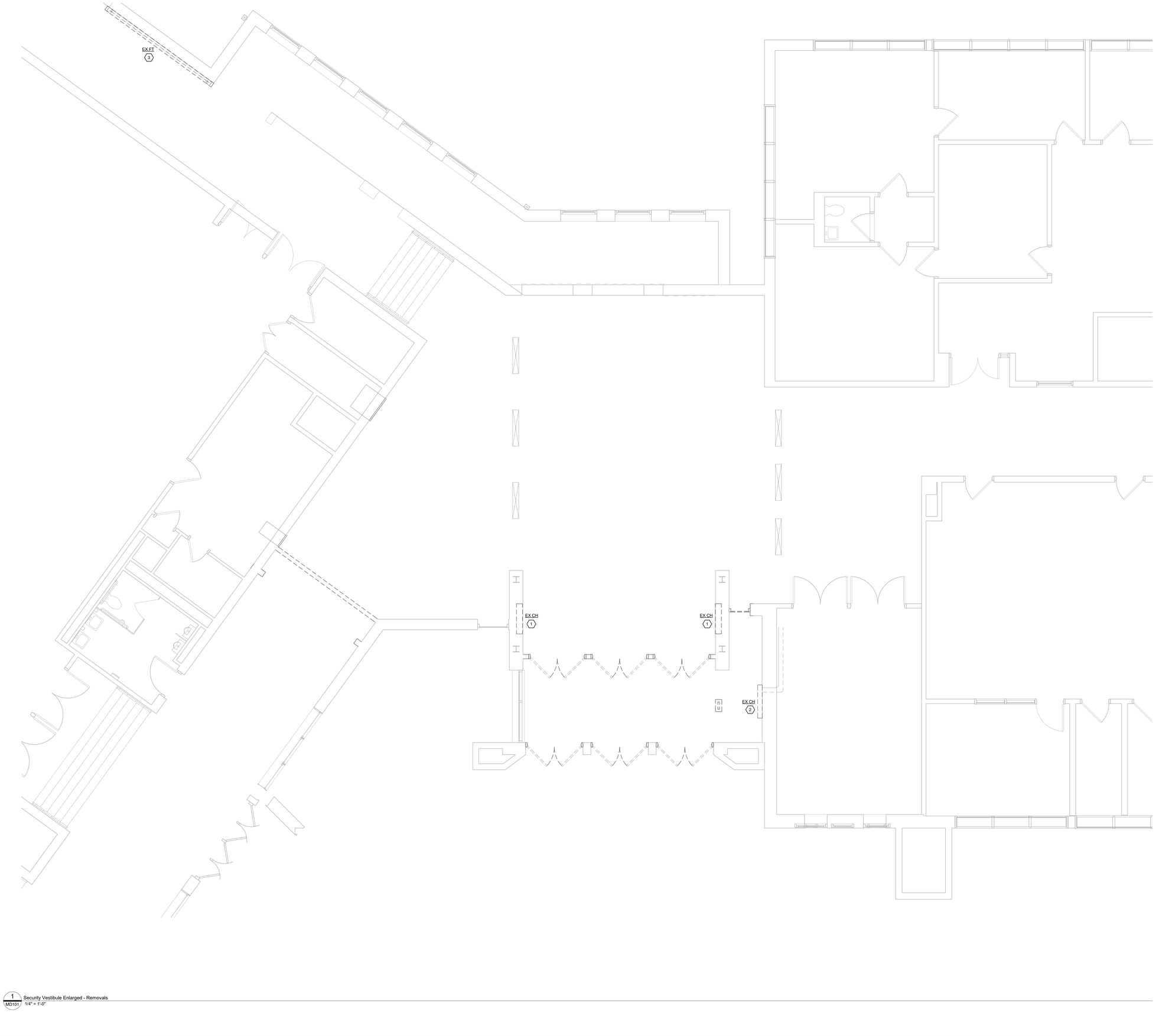


1 MD101 Security Vestibule Enlarged - Removals
1/4" = 1'-0"

GENERAL REMOVALS NOTES

A. REMOVALS INDICATED BY HEAVY DASHED LINE.

B. UNLESS NOTED OTHERWISE, ALL ITEMS INDICATED ARE TO BE REMOVED "COMPLETE". REMOVAL SHALL INCLUDE ALL COMPONENTS, DUCTWORK, PIPING, HANGERS, SUPPORTS AND ACCESSORIES, ASSOCIATED WITH THE EQUIPMENT.

C. CONTRACTOR IS TO INSPECT EQUIPMENT THAT IS TO BE REUSED AND DETERMINE THAT IT IS COMPLETE AND IN GOOD WORKING ORDER. IF NOT, REPORT FINDINGS TO THE ARCHITECT/ENGINEER.

D. EVERY EFFORT HAS BEEN MADE TO INDICATE ALL EQUIPMENT THAT IS TO BE REMOVED THROUGH FIELD OBSERVATIONS, HOWEVER, THE CONTRACTOR IS TO VISIT THE SITE PRIOR TO BIDDING AND VERIFY ALL REMOVALS.

E. ALL ITEMS BEING REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER FOR FUTURE USE. IF OWNER DECIDES THE ITEMS ARE NOT REUSABLE, THE MECHANICAL CONTRACTOR SHALL DISPOSE OF THEM.

F. IF THERE IS A QUESTION REGARDING A REMOVAL, THE CONTRACTOR IS TO VERIFY WITH THE OWNER OR THE OWNER'S REPRESENTATIVE AS TO THE REMOVAL STATUS BEFORE PROCEEDING.

G. ALL INTERRUPTIONS OF SERVICE SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER. MECHANICAL SYSTEMS FEEDING FROM OR THROUGH THE CONTRACT AREA SHALL BE MAINTAINED.

H. COORDINATE THIS DRAWING WITH ARCHITECTURAL DRAWINGS FOR EXTENT OF NEW WALL AND CEILING WORK.

I. COORDINATE THIS PLAN WITH NEW WORK PLAN.

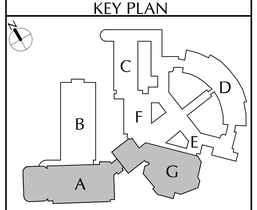
CODED REMOVALS NOTES

1. DISCONNECT AND REMOVE EXISTING RECESSED WALL HOT WATER CABINET HEATER INCLUDING CONTROLS, VALVES AND ACCESSORIES. PREPARE EXISTING PIPE FOR CONNECTION WITH NEW UNIT.

2. DISCONNECT AND REMOVE EXISTING FLOOR MOUNTED HOT WATER CABINET HEATER INCLUDING CONTROLS, VALVES AND ACCESSORIES. PREPARE EXISTING PIPE FOR CONNECTION WITH NEW UNIT.

3. DISCONNECT AND REMOVE EXISTING HOT WATER FIN TUBE RADIATION INCLUDING PIPING, ELEMENT, ENCLOSURE, CONTROLS, VALVES AND ACCESSORIES. REMOVE PIPING TO FLOOR BELOW AND CAP AT EXISTING MAIN.

KEY PLAN



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Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

CHRISTOPHER BENEDETTO
LICENSED PROFESSIONAL ENGINEER
089636
STATE OF NEW YORK
EXP: 11/30/2025

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Sheet Title
Mechanical Removals Plan - Vestibule

Sheet No.
NRHS MD101

CONSTRUCTION DOCUMENTS

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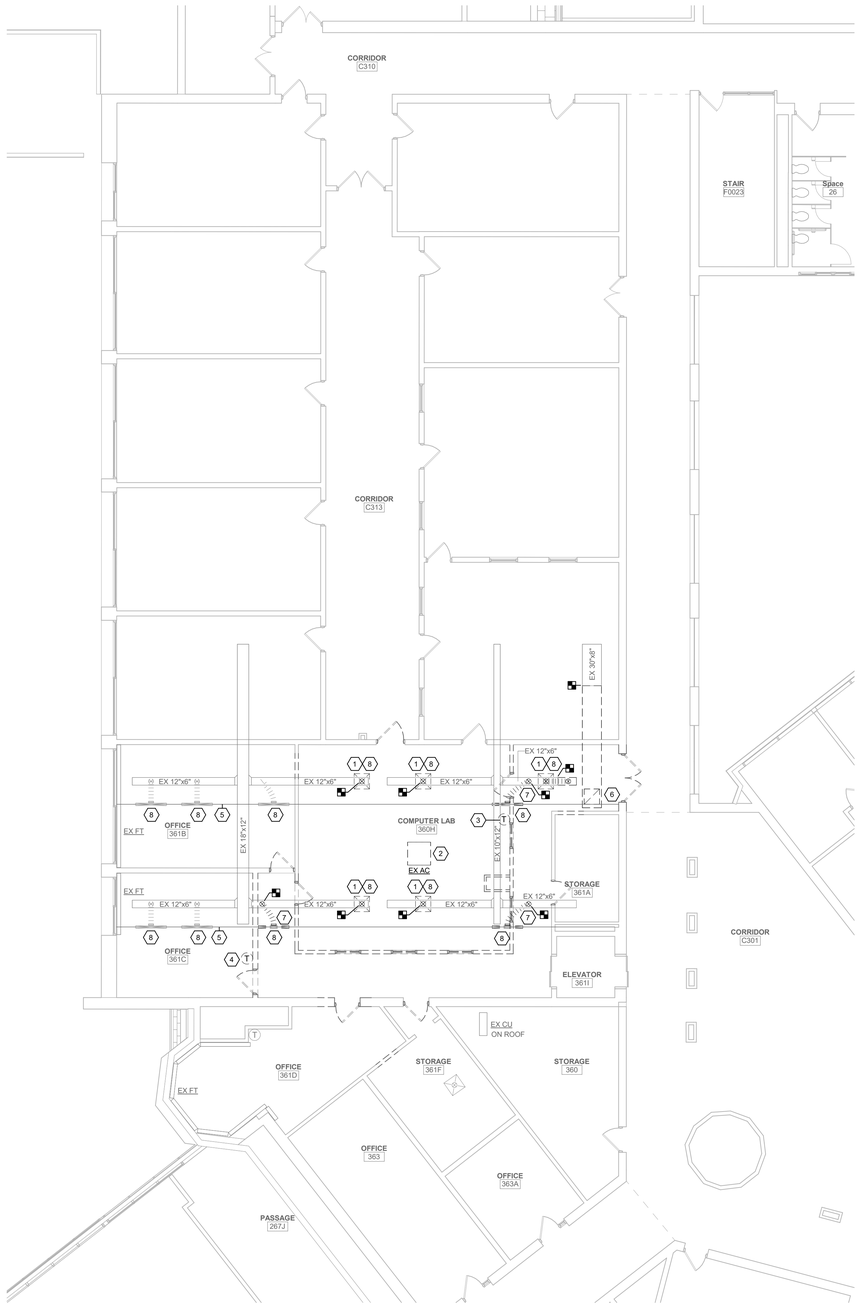


1 MD102 Dead End Corridor - Removals
1/8" = 1'-0"

GENERAL REMOVALS NOTES

A. REMOVALS INDICATED BY HEAVY DASHED LINE.

B. UNLESS NOTED OTHERWISE, ALL ITEMS INDICATED ARE TO BE REMOVED "COMPLETE". REMOVAL SHALL INCLUDE ALL COMPONENTS, DUCTWORK, PIPING, HANGERS, SUPPORTS AND ACCESSORIES, ASSOCIATED WITH THE EQUIPMENT.

C. CONTRACTOR IS TO INSPECT EQUIPMENT THAT IS TO BE REUSED AND DETERMINE THAT IT IS COMPLETE AND IN GOOD WORKING ORDER. IF NOT, REPORT FINDINGS TO THE ARCHITECT/ENGINEER.

D. EVERY EFFORT HAS BEEN MADE TO INDICATE ALL EQUIPMENT THAT IS TO BE REMOVED THROUGH FIELD OBSERVATIONS, HOWEVER, THE CONTRACTOR IS TO VISIT THE SITE PRIOR TO BIDDING AND VERIFY ALL REMOVALS.

E. ALL ITEMS BEING REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER FOR FUTURE USE. IF OWNER DECIDES THE ITEMS ARE NOT REUSABLE, THE MECHANICAL CONTRACTOR SHALL DISPOSE OF THEM.

F. IF THERE IS A QUESTION REGARDING A REMOVAL, THE CONTRACTOR IS TO VERIFY WITH THE OWNER OR THE OWNER'S REPRESENTATIVE AS TO THE REMOVAL STATUS BEFORE PROCEEDING.

G. ALL INTERRUPTIONS OF SERVICE SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER. MECHANICAL SYSTEMS FEEDING FROM OR THROUGH THE CONTRACT AREA SHALL BE MAINTAINED.

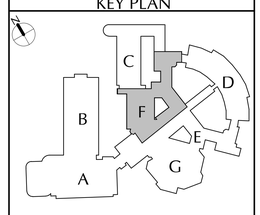
H. COORDINATE THIS DRAWING WITH ARCHITECTURAL DRAWINGS FOR EXTENT OF NEW WALL AND CEILING WORK.

I. COORDINATE THIS PLAN WITH NEW WORK PLAN.

CODED REMOVALS NOTES

1. DISCONNECT, REMOVE AND SALVAGE EXISTING CEILING DIFFUSER. DISCONNECT AND REMOVE EXISTING FLEX DUCT BACK TO MAIN. REFER TO NEW WORK PLAN FOR NEW LOCATION OF EXISTING DIFFUSER.
2. DISCONNECT, REMOVE AND SALVAGE EXISTING CEILING CASSETTE UNIT. RECOVER REFRIGERANT AND CAP PIPING. REFER TO NEW WORK PLAN FOR NEW LOCATION OF EXISTING CEILING CASSETTE.
3. DISCONNECT, REMOVE AND SALVAGE EXISTING CEILING CASSETTE THERMOSTAT. REFER TO NEW WORK PLAN FOR NEW LOCATION OF EXISTING THERMOSTAT.
4. DISCONNECT, REMOVE AND SALVAGE EXISTING FIN RADIATION THERMOSTAT. REFER TO NEW WORK PLAN FOR NEW LOCATION OF EXISTING THERMOSTAT.
5. EXISTING SLOT IN CEILING SYSTEM TO REMAIN.
6. DISCONNECT AND REMOVE EXISTING RETURN GRILLE INCLUDING PORTION OF DUCT AS INDICATED.
7. DISCONNECT AND REMOVE EXISTING CEILING SLOT DIFFUSER INCLUDING FLEX DUCT. EXISTING DUCT TAP TO BE REUSED.
8. PERFORM PRECONSTRUCTION AIRFLOW READING ON EXISTING SUPPLY DIFFUSER. PROVIDE COMPLETE REPORT INCLUDING ALL SUPPLY DIFFUSERS IN THE AREA AS NOTED. READING WILL BE USED FOR FINAL AIR BALANCE AFTER CONSTRUCTION.

KEY PLAN



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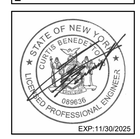
Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1



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Sheet Title
Mechanical Removals Plan - Third Floor Corridor

Sheet No.
NRHS MD102

CONSTRUCTION DOCUMENTS

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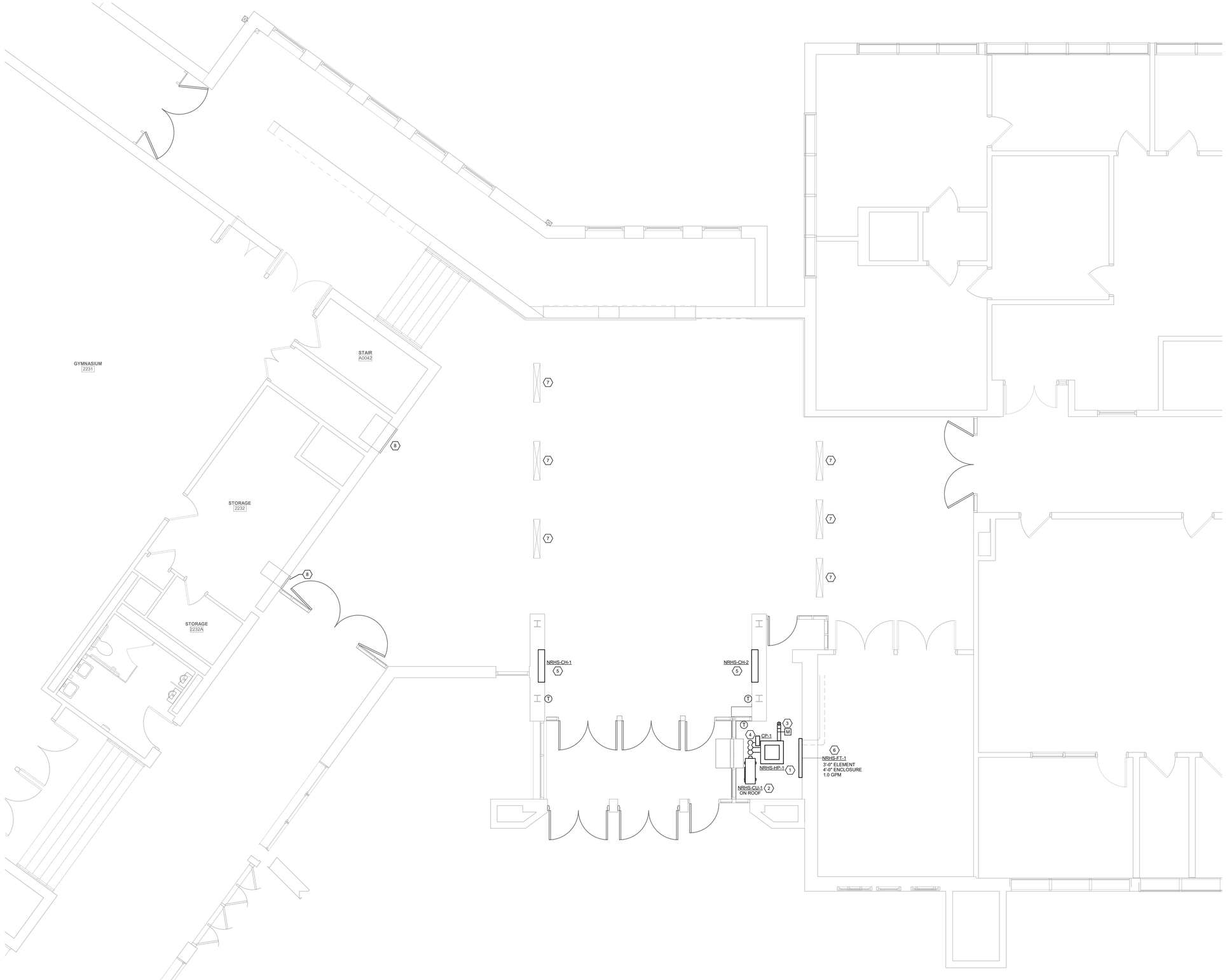


1 M101 Security Vestibule Enlarged - New Work
1/4" = 1'-0"

GENERAL NOTES

A. CONTRACTOR IS TO INSPECT EQUIPMENT THAT IS TO BE REUSED AND DETERMINE THAT IT IS COMPLETE AND IN GOOD WORKING ORDER. IF NOT, REPORT FINDINGS TO THE ARCHITECT/ENGINEER.

B. EVERY EFFORT HAS BEEN MADE TO TO VERIFY CLEARANCE OF NEW INSTALLATIONS THROUGH FIELD OBSERVATIONS. HOWEVER, THE CONTRACTOR IS TO VERIFY ALL JOB INSTALLATIONS PRIOR TO PROVIDING NEW WORK.

C. ALL ITEMS BEING REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER FOR FUTURE USE. IF OWNER DECIDES THE FIXTURES ARE NOT REUSABLE, THE MECHANICAL CONTRACTOR SHALL DISPOSE OF THEM.

D. IF THERE IS A QUESTION REGARDING EXISTING MECHANICAL SYSTEMS THE CONTRACTOR IS TO VERIFY WITH THE OWNER OR THE OWNER'S REPRESENTATIVE AS TO THE STATUS BEFORE PROCEEDING.

E. ALL INTERRUPTIONS OF SERVICE SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER. MECHANICAL SYSTEMS FEEDING FROM OR THROUGH THE CONTRACT AREA SHALL BE MAINTAINED.

F. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.

G. COORDINATE THIS DRAWING WITH ARCHITECTURAL DRAWINGS FOR EXTENT OF NEW WALL AND CEILING WORK.

H. COORDINATE THIS PLAN WITH REMOVAL PLAN.

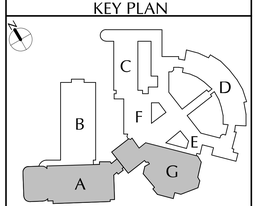
I. ALL EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS, AND PIPING SHOWN WITH LIGHT LINE WEIGHT IS EXISTING TO REMAIN.

J. PROVIDE ACCESS DOORS AT ALL FIRE AND FIRE/SMOKE DAMPERS FOR SERVICE

CODED NOTES

1. PROVIDE DUCTLESS CEILING CASSETTE HEAT PUMP UNIT PER SCHEDULE.
2. PROVIDE ROOF MOUNTED HEAT PUMP CONDENSING UNIT INCLUDING ROOF PIPE PORTAL AND ROOF EQUIPMENT RAILS. MAINTAIN 10' SETBACK FROM ROOF EDGE.
3. PROVIDE ROOF MOUNTED INTAKE HOOD.
4. PROVIDE CONDENSATE PUMP (CP-1: LITTLE GIANT, VCCA-20-P, 120V/1PH) AT CEILING CASSETTE UNIT WITH 3/4" CD PIPING UP IN PIPE PORTAL AND SPILL ONTO ROOF.
5. PROVIDE RECESSED WALL HOT WATER CABINET HEATER. MODIFY EXISTING WALL OPENING TO ACCOMODATE NEW HEATER. CONNECT HWS & HWR PIPING TO EXISTING IN FLOOR BELOW.
6. PROVIDE HOT WATER FIN TUBE RADIATION ALONG WALL. CONNECT TO EXISTING HWS & HWR PIPING AT WALL.
7. EXISTING CEILING LINEAR SLOT DIFFUSER TO REMAIN.
8. EXISTING WALL REGISTER TO REMAIN.

KEY PLAN



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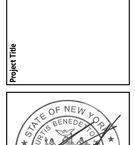
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



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Sheet Title

Mechanical New Work Plan - Vestibule

Sheet No.

NRHS M101

CONSTRUCTION DOCUMENTS

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1 M102 Dead End Corridor - New Work
1/8" = 1'-0"

GENERAL NOTES

A. CONTRACTOR IS TO INSPECT EQUIPMENT THAT IS TO BE REUSED AND DETERMINE THAT IT IS COMPLETE AND IN GOOD WORKING ORDER. IF NOT, REPORT FINDINGS TO THE ARCHITECT/ENGINEER.

B. EVERY EFFORT HAS BEEN MADE TO TO VERIFY CLEARANCE OF NEW INSTALLATIONS THROUGH FIELD OBSERVATIONS. HOWEVER, THE CONTRACTOR IS TO VERIFY ALL JOB INSTALLATIONS PRIOR TO PROVIDING NEW WORK.

C. ALL ITEMS BEING REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER FOR FUTURE USE. IF OWNER DECIDES THE FIXTURES ARE NOT REUSABLE, THE MECHANICAL CONTRACTOR SHALL DISPOSE OF THEM.

D. IF THERE IS A QUESTION REGARDING EXISTING MECHANICAL SYSTEMS THE CONTRACTOR IS TO VERIFY WITH THE OWNER OR THE OWNER'S REPRESENTATIVE AS TO THE STATUS BEFORE PROCEEDING.

E. ALL INTERRUPTIONS OF SERVICE SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER. MECHANICAL SYSTEMS FEEDING FROM OR THROUGH THE CONTRACT AREA SHALL BE MAINTAINED.

F. COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.

G. COORDINATE THIS DRAWING WITH ARCHITECTURAL DRAWINGS FOR EXTENT OF NEW WALL AND CEILING WORK.

H. COORDINATE THIS PLAN WITH REMOVAL PLAN.

I. ALL EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS, AND PIPING SHOWN WITH LIGHT LINE WEIGHT IS EXISTING TO REMAIN.

J. PROVIDE ACCESS DOORS AT ALL FIRE AND FIRE/SMOKE DAMPERS FOR SERVICE

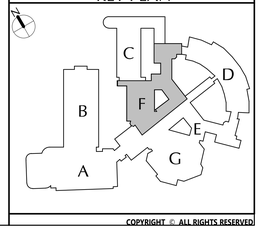
CODED NOTES

1. THOROUGHLY CLEAN AND REINSTALL EXISTING CEILING DIFFUSER IN NEW LOCATION. PROVIDE NEW DUCT FROM EXISTING MAIN TAP TO NEW DIFFUSER LOCATION.
2. THOROUGHLY CLEAN AND REINSTALL EXISTING CEILING CASSETTE UNIT IN NEW LOCATION. MODIFY EXISTING OR PROVIDE NEW REFRIGERANT AND CONDENSATE DRAIN PIPING TO ACCOMMODATE INSTALLATION. PROVIDE FULL REFRIGERANT CHARGE PER MANUFACTURERS INSTRUCTIONS.
3. REINSTALL EXISTING CEILING CASSETTE THERMOSTAT IN NEW LOCATION. MODIFY EXISTING OR PROVIDE NEW CONTROL WIRING TO ACCOMMODATE INSTALLATION.
4. REINSTALL EXISTING FIN RADIATION THERMOSTAT IN NEW LOCATION. MODIFY EXISTING OR PROVIDE NEW CONTROL WIRING TO ACCOMMODATE INSTALLATION.
5. EXISTING SLOT IN CEILING SYSTEM TO REMAIN.
6. PROVIDE NEW RETURN DUCT AND FIRE DAMPER AS INDICATED. CONNECT TO EXISTING DUCT.
7. PROVIDE NEW SUPPLY DIFFUSER AND SUPPLY AIR FLEX DUCT AS INDICATED. CONNECT TO EXISTING DUCT.
8. PROVIDE NEW CEILING RETURN GRILLS.
9. BRANCH DUCT TO BE INSTALLED ABOVE FIRE RATED CORRIDOR "LID". REFER TO CEILING DETAIL 5/A851 ON ARCHITECTURAL DRAWINGS FOR INFORMATION ON CORRIDOR "LID".
10. OPEN ENDED DUCT LOCATED ABOVE CEILING WITH WIRE MESH SCREEN.
11. 10x10 RA DUCT DOWN THROUGH CORRIDOR "LID" WITH FIRE DAMPER AT "LID". TERMINATE OPEN ENDED ABOVE CORRIDOR CEILING WITH WIRE MESH SCREEN.

BALANCING NOTE

BALANCE ALL EXISTING AND NEW SUPPLY DIFFUSERS TO AIRFLOWS OBTAINED FROM PRECONSTRUCTION AIRFLOW READINGS.

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

#	DATE	DISCRIPTION

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Sheet Title

Mechanical New Work Plan - Third Floor Corridor

Sheet No.

NRHS M102

CONSTRUCTION DOCUMENTS

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ABBREVIATIONS

A	AMPERE(S)
AC	ALTERNATING CURRENT
ACC	AIR COOLED CONDENSING UNIT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AMPERE INTERRUPTING CAPACITY
ASD	ADJUSTABLE SPEED DRIVE
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AUX	AUXILIARY
AWG	AMERICAN WIRE GAUGE
B	BOILER
BKR	BREAKER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CCT	CIRCUIT
CKT	CIRCUIT
CLG	CEILING
COL	COLUMN
COMB	COMBINATION
CU	CONDENSING UNIT
Δ	DELTA CONNECTION
D	DEEP
DIA	DIAMETER
DN	DOWN
DP	DISTRIBUTION PANEL
DWG	DRAWING
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ELEC	ELECTRIC(AL)
ELU	EMERGENCY LIGHTING UNIT
EM, EMER.	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WALL HEATER
EXIST	EXISTING
F	FUSE(D)
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FAN COIL UNIT
FHP	FRACTIONAL HORSEPOWER
FIXT	FIXTURE
FLEX	FLEXIBLE
FLR	FLOOR
FLUOR	FLUORESCENT
FS	FOOD SERVICE
FURN	FURNISH(ED)
FUT	FUTURE
G	GROUND
GC	GENERAL CONTRACTOR
GEC	GROUNDING ELECTRODE CONDUCTOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
H	HIGH
HID	HIGH INTENSITY DISCHARGE
HO	HIGH OUTPUT
HOA	HAND-AUTO-OFF
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
IG	ISOLATED GROUND
I/L	INTERLOCK
J	JUNCTION
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERE
KW	KILOWATT(S)
LTG	LIGHTING
LT(S)	LIGHT(S)
MAX	MAXIMUM
MC	METAL CLAD
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MT	MOUNT
MTD	MOUNTED
N	NORTH, NEUTRAL
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED, NURSE CALL
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OH	OVERHEAD
OHD	OVERHEAD DOOR OPERATOR
OL	OVERLOAD
OO	ON-OFF
P	PANEL, POLE(S)
PB	PULL BOX, PUSHBUTTON
PF	POWER FACTOR
PH, Ø	PHASE
PL	PILOT LIGHT
PP	POWER POLE
PR	PAIR
PVC	POLYVINYL CHLORIDE
REC	RECEPTACLE
RECEPT	RECEPTACLE
RP	REFRIGERATION POWER
RGS	RIGID GALVANIZED STEEL CONDUIT
RM	ROOM
RTH	RADIANT TUBE HEATER
RTU	ROOF TOP UNIT
S	SOUTH
SCHED	SCHEDULE
SCP	SECURITY CONTROL PANEL
SEC	SECONDARY
SFL	SUB-FEED LUGS
SPC	SPACE
SPKR	SPEAKER
SPR	SPARE
SS	START-STOP
SW	SWITCH
TCP	TEMPERATURE CONTROL PANEL
TEL	TELEPHONE
TS	TIME SWITCH
T-STAT	THERMOSTAT
TTB	TELECOMM. TERMINAL BOARD
TV	TELEVISION
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
U/C	UNDER CABINET
UG	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
V	VOLT(S)
VA	VOLT-AMPERE(S)
W	WATT, WEST, WIRE
W/	WITH
WCR	WITHSTAND CURRENT RATING
WH	WATER HEATER
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF
Y	WYE CONNECTION

RACEWAY SYSTEMS

- CONDUIT OR CABLE AS SPECIFIED
- CONDUIT OR CABLE TURNING UP
- CONDUIT OR CABLE TURNING DOWN
- CONDUIT STUB (REAMED AND BUSHED)
- CONNECTION TO EQUIPMENT
- CONDUIT CUT
- P/1,2,3 — HOMERUN TO PANELBOARD (PANEL AND CIRCUITS INDICATED)
- UGC — UNDERGROUND CABLE TV LINE
- UGFO — UNDERGROUND FIBER OPTIC LINE
- UGL — UNDERGROUND LIGHTING LINE
- UGP — UNDERGROUND PRIMARY LINE
- UGS — UNDERGROUND SECONDARY LINE
- UGT — UNDERGROUND TELECOMMUNICATIONS LINE
- J — JUNCTION BOX
- B — BLANK OUTLET

NOTE - LINES MAY BE SHOWN CURVED OR STRAIGHT.

BRANCH CIRCUITS

1. CONNECT EACH LIGHTING FIXTURE, SWITCH, RECEPTACLE, MOTOR, AND OTHER ITEM REQUIRING ELECTRICAL CONNECTIONS TO PANELBOARD AND CIRCUIT(S) INDICATED. HOMERUNS AND CONNECTIONS BETWEEN ITEMS MAY OR MAY NOT BE SHOWN.
2. P-XXX INDICATES ALL ELECTRICAL ITEMS IN RESPECTIVE ROOM TO BE CONNECTED TO THE DESIGNATED PANELBOARD, UNLESS INDICATED OTHERWISE.
3. NUMBER(S) SHOWN ADJACENT TO ELECTRICAL SYMBOLS GENERALLY INDICATE RESPECTIVE CIRCUIT NUMBER(S).
4. CONFIRM CORRECT CIRCUITING BY CORRELATING THE FLOOR PLANS WITH THE PANELBOARD SCHEDULES.

DEVICES AND OUTLETS

G — NOTE:
- "G" = INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE
- "U" = INDICATES USB TYPE RECEPTACLE
- DOT INDICATES 6" ABOVE BACKSPLASH OF COUNTER/OR SINK (VERTICALLY) (OR 6" ABOVE COUNTER/OR SINK WHEN NO BACKSPLASH EXISTS)

- DUPLEX RECEPTACLE - (18" AFF)
- DOUBLE DUPLEX (QUAD) RECEPTACLE - (18" AFF)
- SIMPLEX RECEPTACLE - (18" AFF)
- 6-20R — SPECIAL PURPOSE RECEPTACLE - (18" AFF) (NEMA CONFIGURATION INDICATED)
- QUADRUPLEX RECEPTACLE (FLOOR)
- DUPLEX RECEPTACLE (CEILING)
- AP — DUPLEX RECEPT LOCATED JUST ABOVE AIR PURIFIER SHELF (COORDINATE WITH DIV. 23).

ABOVE SYMBOLS MAY BE COMBINED FOR VARIOUS APPLICATIONS

- T — THERMOSTAT - (60" AFF)
- R — RELAY
- TC — TIME SWITCH
- PC — PHOTOSWITCH
- B — BUZZER
- B — BUZZER PUSHBUTTON
- TELECOM/POWER POLE

POWER DISTRIBUTION EQUIPMENT

- DISTRIBUTION PANEL 277/480V,3Ø,4W
- DISTRIBUTION PANEL 120/208V,3Ø,4W
- BRANCH CIRCUIT PANELBOARD 277/480V,3Ø,4W
- BRANCH CIRCUIT PANELBOARD 120/208V,3Ø,4W
- NON-FUSED SAFETY SWITCH AMPS/NO. OF POLES
- FUSED SAFETY SWITCH AMPS/NO. OF POLES / FUSE SIZE
- CB — CIRCUIT BREAKER
- SS — SURGE SUPPRESSOR
- T — TRANSFORMER
- GROUND ROD
- GROUND BAR
- GROUNDING CONNECTION/POINT
- METER SOCKET

ELECTRICAL DRAWING LIST

E001	ELECTRICAL LEGEND AND ABBREVIATIONS
ED101	2nd FLOOR VESTIBULE - ELECTRICAL REMOVALS PLAN
ED102	3rd FLOOR CORRIDOR - ELECTRICAL REMOVALS PLAN
E101	2nd FLOOR VESTIBULE - ELECTRICAL NEW WORK PLAN
E102	3rd FLOOR CORRIDOR - ELECTRICAL NEW WORK PLAN

MOTORS, EQUIPMENT & CONTROLS

- MOTOR STARTER
- COMBINATION MOTOR STARTER
- ASD — ADJUSTABLE SPEED DRIVE
- D — DAMPER
- CH — CABINET HEATER
- CUH — CABINET UNIT HEATER
- EFT — ELECTRIC FIN TUBE HEATER
- EF — EXHAUST FAN
- AC — A/C INDOOR UNIT
- HP — HEAT PUMP
- CU — A/C CONDENSING UNIT
- PTAC — PACKAGE TERMINAL AIR CONDITIONING UNIT

MISCELLANEOUS EQUIPMENT

- DO — DOOR OPERATOR
- DOOR OPERATOR PUSH PLATE - (48" AFF)

LIGHTING FIXTURES

FIXTURE IDENTIFICATION

A1 — FIXTURE TYPE INDICATED ADJACENT TO OR NEAR FIXTURE SYMBOL
a — SWITCH/ CONTROL DESIGNATION

SHADED FIXTURES - INDICATE UNSWITCHED NIGHT LIGHTS.

LIGHTING FIXTURES

- WALL MOUNTED LIGHTING FIXTURE
- RECESSED SQUARE LIGHT FIXTURE
- 2'X2' SURFACE/RECESSED FIXTURE
- 2'X4' SURFACE/RECESSED FIXTURE
- 1'X4' SURFACE/RECESSED FIXTURE
- 4' STRIP LIGHT
- RECESSED DOWNLIGHT

EMERGENCY LIGHTING UNIT

- BATTERY EMERGENCY LIGHTING UNIT (SURFACE WALL MOUNT)
- BATTERY EMERGENCY LIGHTING UNIT (RECESSED CEILING MOUNT)

EXIT SIGNS

- COMBO EXIT SIGN & EMERGENCY LIGHTING UNIT
- EXIT SIGN (SINGLE-FACE, ARROW(S) AS INDICATED)
- EXIT SIGN (DUAL-FACE, ARROW(S) AS INDICATED)

LIGHTING CONTROLS

LINE VOLTAGE

- $ — SWITCH, 1-POLE - (48" AFF)
- $2 — SWITCH, 2-POLE - (48" AFF)
- $3 — SWITCH, 3-WAY - (48" AFF)
- $4 — SWITCH, 4-WAY - (48" AFF)

SWITCH SUBSCRIPTS:
LOWER CASE LETTERS INDICATE CONTROL
D = DIMMER
K = KEY OPERATED SWITCH
LV = LOW VOLTAGE
M = MANUAL MOTOR STARTER

- PILOT LIGHT WALL SWITCH
- OCCUPANCY SENSOR WALL SWITCH
- $D — OCCUPANCY SENSOR WALL SWITCH WITH 0-10V DIMMING

LOW VOLTAGE

- LCP — LIGHTING CONTROL PANEL
- LP XD — LIGHTING POWER PACK (X = QUANTITY, IF MORE THAN ONE; D= 0-10V DIMMING)
- OCCUPANCY SENSOR- CEILING MOUNTED
- DAYLIGHTING CONTROL PHOTOCELL
- $XO — ON-OFF SWITCH (X = QUANTITY OF SWITCHES, IF MORE THAN ONE)
- $XD — ON-OFF-RAISE-LOWER DIMMING SWITCH (X = QUANTITY OF CIRCUITS, IF MORE THAN ONE; D= 0-10V DIMMING)

ITEMS CONTROLLED
LOWER CASE LETTERS ARE USED TO CORROLATE CONTROL DEVICES TO RESPECTIVE FIXTURES CONTROLLED.

TELECOMMUNICATIONS

NOTE:
- "W" INDICATES WALL MOUNTED AT 48"AFF
- DOT INDICATES 6" ABOVE BACKSPLASH OF COUNTER/OR SINK (VERTICALLY) (OR 6" ABOVE COUNTER/OR SINK WHEN NO BACKSPLASH EXISTS)

- WR — TELECOMM. WIRING RACK
- TELECOMM. OUTLET- WALL (VOICE, DATA, AND OR CABLE) - (18" AFF)
- TELECOMM. OUTLET- FLOOR BOX (VOICE, DATA, AND OR CABLE)
- TELECOMM. OUTLET- CEILING (VOICE, DATA, AND OR CABLE)
- W — WALL TELEPHONE OUTLET - (48" AFF)
- WAP — WIRELESS ACCESS POINT

PUBLIC ADDRESS SYSTEM

- PA — PUBLIC ADDRESS SYSTEM EQUIPMENT RACK
- S — SPEAKER
- SC — COMBINATION SPEAKER & CLOCK
- V — VOLUME CONTROL

CLOCK SYSTEM

- MC — MASTER CLOCK
- CB — BATTERY CLOCK
- C — CLOCK (SECONDARY OR 120V)
- SC — COMBINATION CLOCK & SPEAKER

SECURITY SYSTEMS

- SKP — SECURITY KEYPAD
- CC — VIDEO SURVEILLANCE CAMERA
- DL — ELECTRIC DOOR LOCK
- CR — CREDENTIAL READER
- REX — REQUEST TO EXIT DEVICE
- DC — DOOR CONTACT
- LD — LOCKDOWN PUSH BUTTON STATION - (48"AFF)
- M — INTERCOM/VIDEO MONITOR MASTER STATION
- E — INTERCOM/VIDEO CAMERA ENTRY STATION

FIRE ALARM SYSTEM

- FAA — FIRE ALARM ANNUNCIATOR
- FACP — FIRE ALARM CONTROL PANEL
- FAPS — FIRE ALARM POWER SUPPLY
- F — FIRE ALARM MANUAL STATION - (48" AFF)
- F — FIRE ALARM STROBE (WALL/CEILING MOUNT)
- F — FIRE ALARM HORN/STROBE (WALL/CEILING MOUNT)
- F — FIRE ALARM HORN/STROBE (WALL/CEILING MOUNT)
- H — HEAT DETECTOR (ADDRESSABLE TYPE)
- S — AREA TYPE SMOKE DETECTOR
- S SB — AREA TYPE SMOKE DETECTOR WITH SOUNDER BASE
- S — DUCT TYPE SMOKE DETECTOR
- T,R S — LINEAR BEAM SMOKE DETECTOR
  T= TRANSMITTER
  R= RECEIVER/REFLECTOR
- FM — FIRE ALARM MONITOR MODULE
- FR — FIRE ALARM RELAY MODULE
- H — MAGNETIC DOOR HOLDER
- SD — SMOKE DAMPER
- SH — SMOKE HATCH
- CO — CARBON MONOXIDE DETECTOR W/ INTEGRAL HEAT DETECTOR
- CO SB — CARBON MONOXIDE DETECTOR W/ SOUNDER BASE
- CO — CARBON MONOXIDE STROBE (CEILING/WALL MOUNT)
- FS — FLOW SWITCH
- TS — TAMPER SWITCH
- PS — PRESSURE SWITCH

NOTES TO ELECTRICAL SYMBOLS

1. ALL ABBREVIATIONS AND SYMBOLS MAY OR MAY NOT BE USED.
2. MOUNTING HEIGHTS: FOR ALL WALL MOUNTED DEVICES, ETC., LOCATE CENTERLINE OF DEVICE VERTICALLY AT INDICATED MOUNTING HEIGHT (E.G. 18" AFF) AND IN ACCORDANCE WITH THE NOTES BELOW, UNLESS INDICATED OTHERWISE. MOUNTING HEIGHTS (E.G. 42") INDICATED ADJACENT TO SYMBOLS ON PLANS, AND MOUNTING HEIGHTS SHOWN ON ELEVATIONS OR DETAILS OR BY NOTES TAKE PRECEDENCE OVER STANDARD MOUNTING HEIGHTS.
3. ELECTRICAL DEVICE PLACEMENT: WHERE MULTIPLE ELECTRICAL DEVICES (E.G. SWITCHES, RECEPTACLES, CLOCKS, FIRE ALARM DEVICES, EXIT SIGNS, TELECOMMUNICATION OUTLETS, ETC.) ARE SHOWN NEAR EACH OTHER, ORGANIZE EXACT LOCATIONS IN GROUPS WHICH ALIGN ON COMMON HORIZONTAL AND VERTICAL CENTER LINES.
4. WIRING DEVICE GANGING: WHERE ADJACENT WIRING DEVICES ARE INDICATED, GROUP ALL SUCH DEVICES WITH A COMMON MULTI-GANG COVERPLATE UNLESS INDICATED OTHERWISE.
5. INDIVIDUAL CIRCUIT BREAKERS, SAFETY SWITCHES, STARTERS, AND THE LIKE: WHEREVER PRACTICABLE, MOUNT WITH CENTER LINE OF ENCLOSURE AT 60" AFF, BUT ADJUST AS NECESSARY SO THAT TOP OF ENCLOSURE IS AT MAXIMUM 72" AFF.
6. EMERGENCY LIGHTING UNITS: MOUNT AT 96" AFF TO CENTER LINE OF UNIT, OR WITH TOP OF UNIT AT 6" BELOW CEILING LINE, WHICHEVER IS LESS.
7. EXIT SIGNS: WHERE LOCATED ABOVE DOOR, CENTER EXIT SIGN VERTICALLY BETWEEN TOP OF DOOR FRAME AND CEILING LINE, BUT AT MAXIMUM 96" AFF TO CENTER LINE. USE SAME MOUNTING HEIGHT FOR EXIT SIGNS IN VICINITY BUT NOT LOCATED ABOVE DOOR.
8. FIRE ALARM NOTIFICATION APPLIANCES: (E.G. HORN/STROBES, STROBES, ETC.). MOUNT AT 80" AFF TO CENTER LINE OF UNIT, OR WITH TOP OF DEVICE AT 6" BELOW CEILING LINE, WHICHEVER IS LESS.
9. SOLID LIGHT/GRAY LINES: INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN, UNLESS INDICATED OTHERWISE.
10. DASHED DARK/BLACK LINES: INDICATE EXISTING ELECTRICAL ITEMS TO BE REMOVED, UNLESS INDICATED OTHERWISE.
11. SOLID DARK/BLACK LINES: INDICATE NEW ELECTRICAL WORK, UNLESS INDICATED OTHERWISE.

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Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

STATE OF NEW YORK · CURTIS BENEDETTO · 089636 · LICENSED PROFESSIONAL ENGINEER
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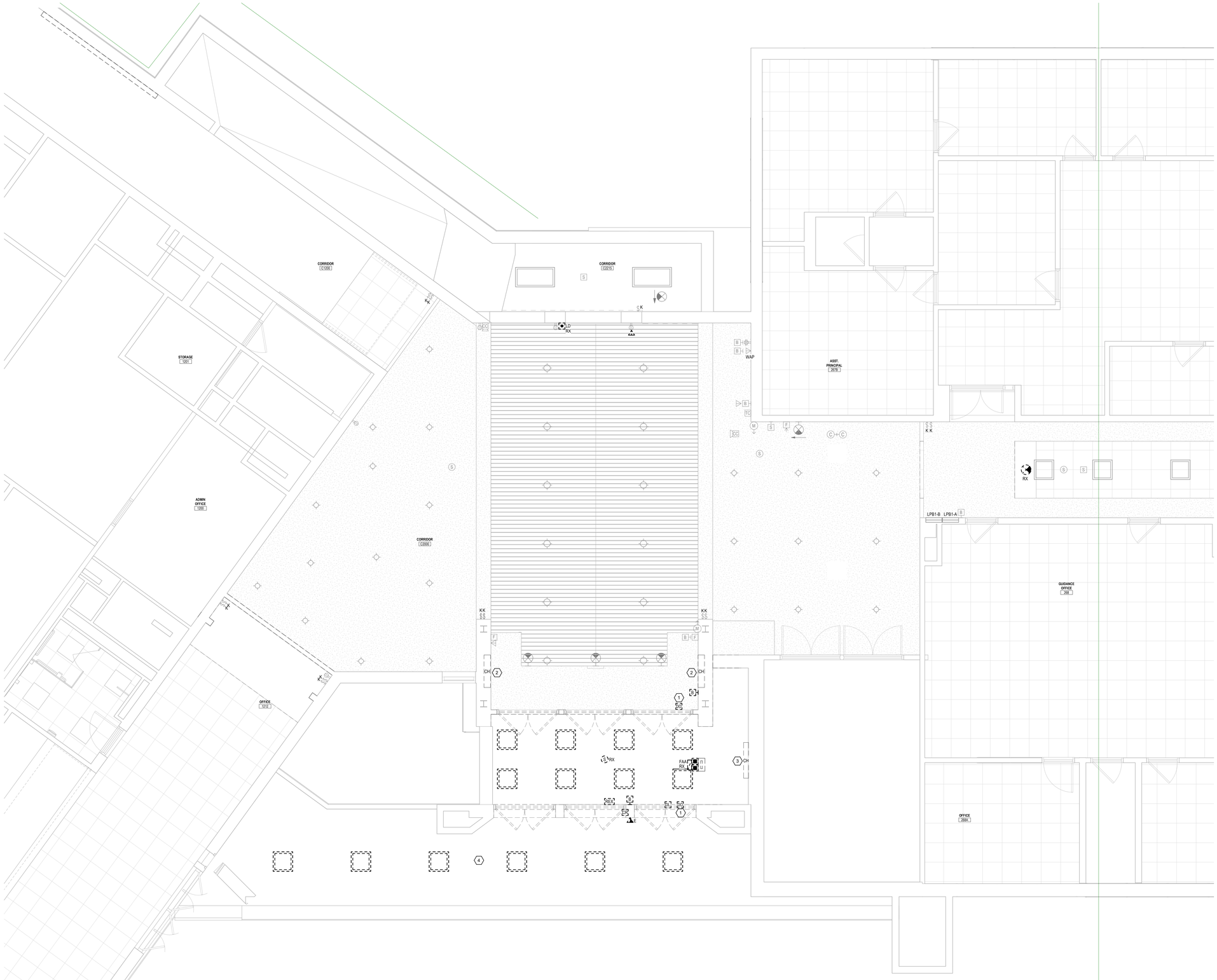
Sheet Title
ELECTRICAL LEGEND AND ABBREVIATIONS

Sheet No.
NRHS E001

CONSTRUCTION DOCUMENTS



1 ED101 1959 UNIT A SECOND LEVEL - VESTIBULE REMOVALS PLAN
1/4" = 1'-0"

GENERAL NOTES

A. SCOPE: ELECTRICAL REMOVALS PLAN INDICATES GENERAL SCOPE OF ELECTRICAL REMOVALS WORK, BUT DOES NOT SHOW ALL ELEMENTS OF SAME. PROVIDE ALL ELECTRICAL DISCONNECTIONS AND REMOVALS WORK INDICATED ON DRAWINGS, REQUIRED BY THE SPECIFICATIONS, AND THAT ARE REASONABLY REQUIRED FOR SUCCESSFUL PROJECT COMPLETION.

B. LIGHT/GRAY LINES: INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN, UNLESS INDICATED OTHERWISE.

C. BLACK/DASHED LINES: REMOVE ALL ELECTRICAL ITEMS SHOWN WITH BLACK DASHED LINES UNLESS INDICATED OTHERWISE. REMOVE ALL ASSOCIATED WIRING AND ALL WIRING WHICH IS OR WILL NO LONGER BE IN USE. REMOVE ALL EXISTING CONDUITS, BOXES, STRAPS, ETC. WHICH WILL NO LONGER BE IN USE.

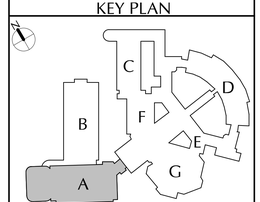
D. "RX": INDICATES RELOCATE EXISTING ELECTRICAL ITEM. SEE DRAWING E101 FOR CORRESPONDING NEW LOCATION.

E. EXISTING BRANCH CIRCUITS DISCONNECTED: GENERALLY RETAIN EXISTING 120V AND 208V BRANCH CIRCUITS BEING DISCONNECTED AS PART OF REQUIRED ELECTRICAL REMOVALS WORK. REUSE SAME PER DWG. E101. FOR ANY SUCH DISCONNECTED EXISTING CIRCUITS NOT BEING REUSED, REMOVE COMPLETE BACK TO SOURCE.

KEYED NOTES

1. DISCONNECT EXISTING DOOR OPERATOR FOR REMOVAL. RETAIN EXISTING 120V, 20A CIRCUIT FOR REUSE PER DWG. E101.
2. DISCONNECT EXISTING CABINET HEATER FOR REMOVAL. RETAIN EXISTING 120V, 20A CIRCUIT FOR REUSE PER DWG. E101.
3. DISCONNECT EXISTING CABINET HEATER FOR REMOVAL. REMOVE EXISTING 120V, 20A CIRCUIT BACK TO SOURCE.
4. DISCONNECT AND REMOVE SIX EXISTING RECESSED 2X2 LIGHTING FIXTURES. RETAIN EXISTING CIRCUITING FOR REUSE PER DWG E101.

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

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STATE OF NEW YORK
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Sheet Title
2nd FLOOR VESTIBULE - ELECTRICAL REMOVALS PLAN

Sheet No.
NRHS ED101

CONSTRUCTION DOCUMENTS

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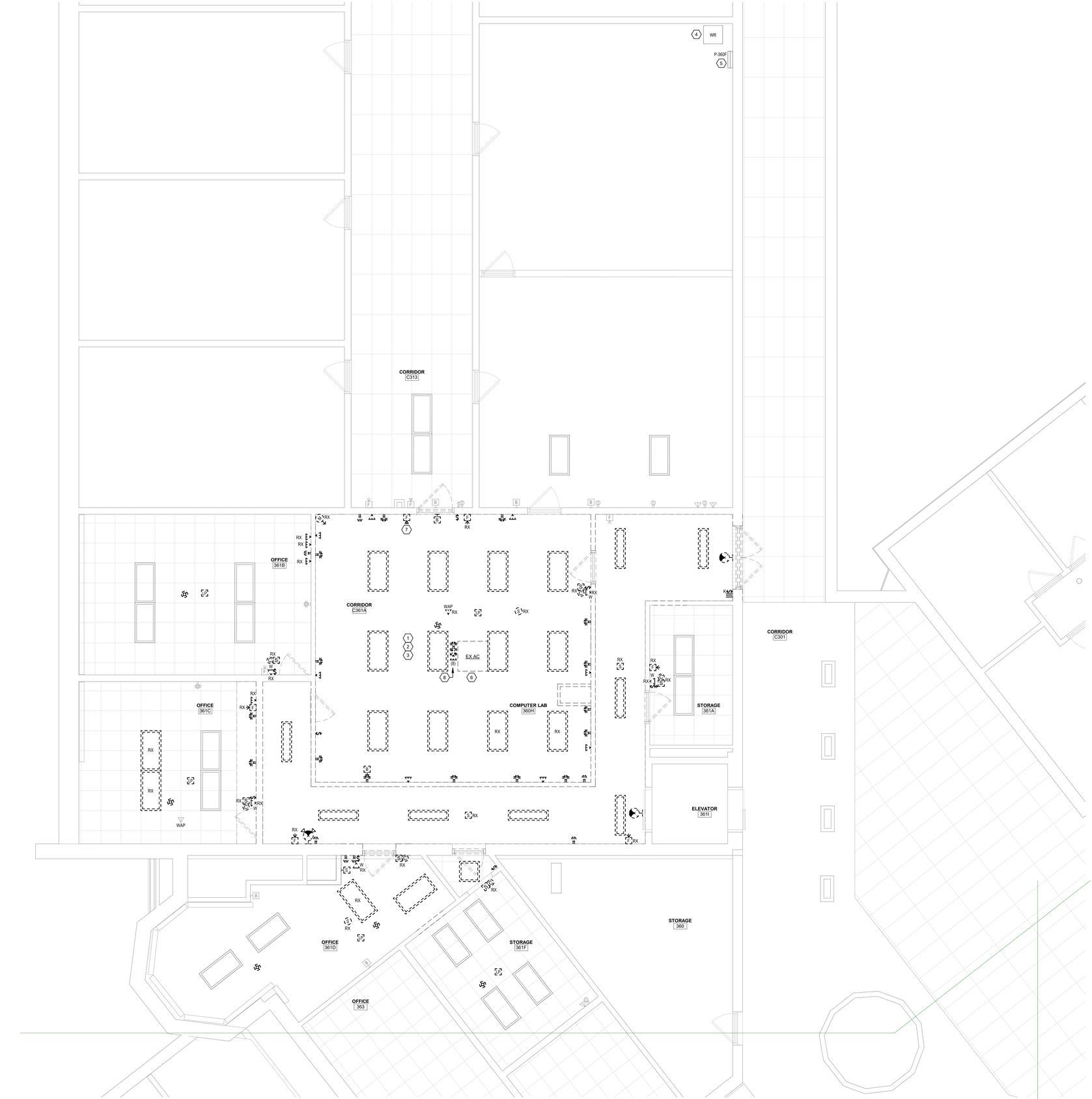


1 / ED102 1967 UNIT E/F THIRD LEVEL - CORRIDOR REMOVALS PLAN
1/4" = 1'-0"

GENERAL NOTES

A. SCOPE: ELECTRICAL REMOVALS PLAN INDICATES GENERAL SCOPE OF ELECTRICAL REMOVALS WORK, BUT DOES NOT SHOW ALL ELEMENTS OF SAME. PROVIDE ALL ELECTRICAL DISCONNECTIONS AND REMOVALS WORK INDICATED ON DRAWINGS, REQUIRED BY THE SPECIFICATIONS, AND THAT ARE REASONABLY REQUIRED FOR SUCCESSFUL PROJECT COMPLETION.

B. LIGHT/GRAY LINES: INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN, UNLESS INDICATED OTHERWISE.

C. BLACK/DASHED LINES: REMOVE ALL ELECTRICAL ITEMS SHOWN WITH BLACK DASHED LINES UNLESS INDICATED OTHERWISE. REMOVE ALL ASSOCIATED WIRING AND ALL WIRING WHICH IS OR WILL NO LONGER BE IN USE. REMOVE ALL EXISTING CONDUITS, BOXES, STRAPS, ETC. WHICH WILL NO LONGER BE IN USE.

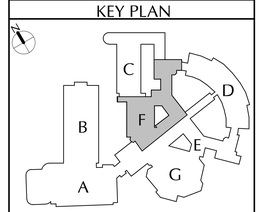
D. "RX": INDICATES RELOCATE EXISTING ELECTRICAL ITEM. SEE DRAWING E102 FOR CORRESPONDING NEW LOCATION.

E. EXISTING BRANCH CIRCUITS DISCONNECTED: GENERALLY RETAIN EXISTING 120V AND 208V BRANCH CIRCUITS BEING DISCONNECTED AS PART OF REQUIRED ELECTRICAL REMOVALS WORK. REUSE SAME PER DWG. E102. FOR ANY SUCH DISCONNECTED EXISTING CIRCUITS NOT BEING REUSED, REMOVE COMPLETE BACK TO SOURCE.

KEYED NOTES

1. RETAIN EXISTING ROOM 120V, 20A LIGHTING CIRCUIT FOR REUSE PER DWG. E102.
2. RETAIN EXISTING ROOM 120V, 20A RECEPT CIRCUITS (APPROX. 10) FROM EXISTING PANELBOARD P-360F, FOR REUSE PER DWG. E102.
3. REMOVE ALL EXISTING TELECOM OUTLET CAT-6 CABLING FROM TELECOM OUTLETS IN THIS ROOM TO EXISTING WIRING RACK PATCH PANELS IN COMPUTER LAB 360F. PROVIDE NEW DUPLICATE CABLING PER DWG. E102.
4. EXISTING TELECOM WIRING RACK WITIH PATCH PANELS SERVING COMPUTER LAB 360H.
5. EXISTING 120/208V, 3-PHASE, 4-WIRE PANELBOARD SERVING RECEPT CIRCUITS IN COMPUTER LAB 360H.
6. DISCONNECT EXISTING CEILING A/C UNIT FOR RELOCATION. SEE DWG. E102 FOR NEW LOCATION. RETAIN EXISTING CIRCUIT FOR REUSE.
7. REMOVE EXISTING FIRE ALARM DEVICE BELIEVED TO BE INACTIVE (FIELD VERIFY).
8. REMOVE EXISTING TELECOM/POWER POLE AND ALL ASSOCIATED TELECOM CABLES. RETAIN EXISTING 120V RECEPT CIRCUIT(S) FOR REUSE PER DWG. E102.

KEY PLAN



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NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

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3rd FLOOR CORRIDOR - ELECTRICAL REMOVALS PLAN

Sheet No.
NRHS ED102

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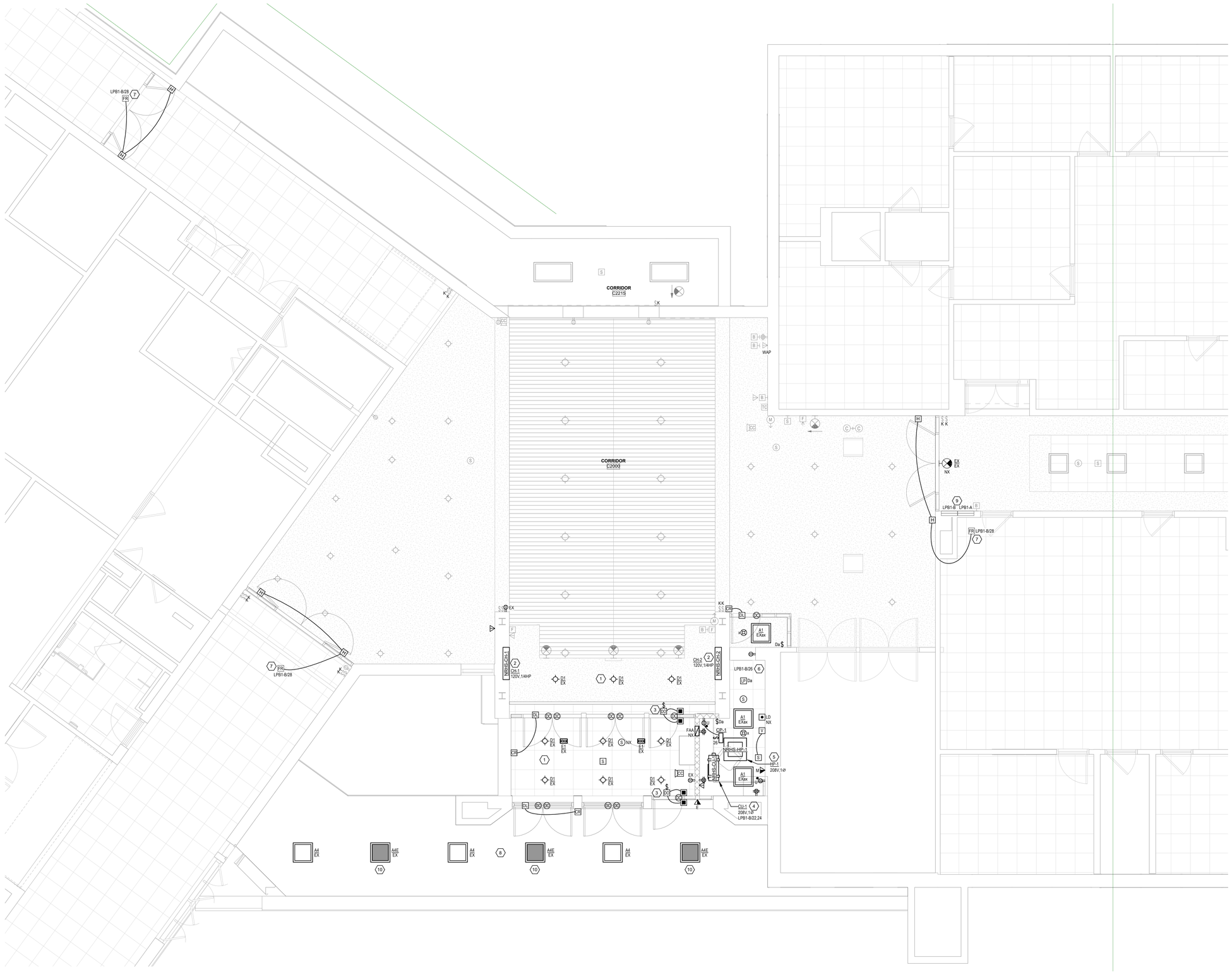


1 E101 1959 UNIT A SECOND LEVEL - VESTIBULE NEW WORK PLAN
1/4" = 1'-0"

GENERAL NOTES

A. LIGHT/GRAY LINES: INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN, UNLESS INDICATED OTHERWISE.

B. SOLID BLACK LINES: INDICATE ELECTRICAL NEW WORK, UNLESS INDICATED OTHERWISE.

C. "NX": INDICATES NEW LOCATION FOR EXISTING ELECTRICAL ITEM. RECONNECT PER ORIGINAL UNLESS INDICATED OTHERWISE. EXTEND CIRCUITING IF NECESSARY. SEE DWG E0101 FOR ORIGINAL LOCATION.

D. "EX": INDICATES CONNECT TO EXISTING 120V, 20A LIGHTING OR RECEPTACLE CIRCUIT (AS INDICATED) IN ROOM/VICINITY. EXTEND CIRCUITING AS REQUIRED.

E. BRANCH CIRCUITS: ALL BRANCH CIRCUITS TO BE 1/2"C., 2#12 & 1#12G OR EQUIVALENT TYPE "MC" CABLE WHERE PERMITTED BY SPECS. 260501, UNLESS INDICATED OR REQUIRED OTHERWISE BY NEC.

F. FIRE ALARM INITIATING DEVICES: CONNECT TO EXISTING FIRE ALARM INITIATING/CONTROL LOOP IN VICINITY (CONFIRM ADEQUATE CAPACITY).

G. FIRE ALARM NOTIFICATION DEVICES: CONNECT TO EXISTING FIRE ALARM NOTIFICATION CIRCUIT(S) IN VICINITY (CONFIRM ADEQUATE CAPACITY).

H. TELECOM OUTLETS: FOR EACH, PROVIDE 4" SQUARE X 2-1/2" DEEP BOX WITH SINGLE-GANG EXTENSION RING AND BLANK COVERPLATE, AND 3/4" C. FROM BOX STUBBED UP TO NEAREST ACCESSIBLE CEILING SPACE. REAM AND BUSH CONDUIT STUB AND PROVIDE NYLON PULL STRING. TELECOM CABLING AND JACK(S) TO BE PROVIDEDS SEPARATELY BY OWNER OR OWNER'S VENDOR. COORDINATE ALL WORK AS REQUIRED.

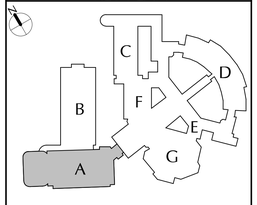
I. SECURITY SYSTEMS DEVICES/STATIONS: FOR EACH, PROVIDE MINIMUM 4" SQUARE X 2-1/2" DEEP BOX WITH SINGLE-GANG EXTENSION RING AND BLANK COVERPLATE, AND 3/4" C. FROM BOX STUBBED UP TO NEAREST ACCESSIBLE CEILING SPACE. REAM AND BUSH CONDUIT STUB AND PROVIDE NYLON PULL STRING. CONFIRM REQUIRED OUTLET BOX SIZE WITH OWNER'S SELECTED SECURITY SYSTEMS VENDOR AND PROVIDE BIGGER OR SPECIAL OUTLET BOX IF REQUIRED. SECURITY DEVICES/STATION AND REQUIRED CABLING TO BE PROVIDED SEPARATELY BY OWNER'S SELECTED SECURITY SYSTEMS CONTRACTOR/VENDOR. COORDINATE ALL WORK AS REQUIRED.

J. "NX": INDICATES NEW LOCATION FOR EXISTING ELECTRICAL ITEM (SEE DWG. ED101 FOR ORIGINAL LOCATION). CLEAN, CHECKOUT, REINSTALL AND RECONNECT ITEM PER ORIGINAL, EXTENDING EXISTING CIRCUITING IN KIND AS REQUIRED.

KEYED NOTES

1. CONNECT VESTIBULE (AND LOBBY ENTRY) LIGHTS TO EXISTING KEY SWITCH (CONFIRM SWITCH LOCATION), EXCEPT CONNECT EMERGENCY LIGHTING UNITS TO SAME CIRCUIT, AHEAD OF SWITCH.
2. CONNECT CABINET HEATER TO EXISTING 120V, 20A CABINET HEATER CIRCUIT (SEE DWG. ED101). EXTEND EXISTING CIRCUITING AS REQUIRED. (FIRST CONFIRM EXISTING CIRCUIT IS DEDICATED FOR JUST THIS CABINET HEATER).
3. CONNECT DOOR OPERATOR TO EXISTING 120V, 20A/1P DOOR OPERATOR CIRCUIT MADE AVAILABLE FROM REMOVALS WORK (SEE DWG. ED101). PROVIDE 125V, 1-POLE TOGGLE SWITCH DISCONNECT FOR DOOR OPERATOR. PROVIDE OUTLET BOX FOR REMOTE PUSH PLATE STATION AND 1/2"C FROM DOOR OPERATOR TO PUSH PLATE BOX. CONTROL WIRING TO BE PROVIDED BY DIV. 8.
4. CONNECT A/C CONDENSING UNIT TO NEW 208V, 20A/2P CIRCUIT BREAKER IN EXISTING PANELBOARD. (INSTALL NEW BREAKER IN EXISTING AVAILABLE POLES SPACES).
5. CONNECT HEAT PUMP TO RESPECTIVE A/C CONDENSING UNIT USING 1/2" C., 2#12 & 1#12G. PROVIDE 250V, 2-POLE TOGGLE SWITCH DISCONNECT FOR HEAT PUMP.
6. CONNECT ALL RECEPTS IN THIS ROOM TO INDICATED EXISTING 120V, 20A/1P SPARE (FIELD CONFIRM) CIRCUIT BREAKER IN EXISTING PANELBOARD.
7. FIRE ALARM RELAY MODULE FOR DOOR HOLDER RELEASE. CONNECT TO INDICATED 120V CIRCUIT (PROVIDE NEW 120V, 20A/1P CIRCUIT BREAKER IN EXISTING AVAILABLE POLE SPACE). PROGRAM EXISTING FACP SO THAT CONNECTED DOORS ARE RELEASED ON ANY BUILDING FIRE ALARM CONDITION.
8. CONNECT SIX NEW 2X2 LIGHTING FIXTURES TO EXISTING 120V CONFIRM) EXTERIOR LIGHTING CIRCUIT.
9. EXISTING 120/208V PANELBOARDS.
10. PROVIDE "CONSTANT-ON" CIRCUIT WIRING FOR EMERGENCY FIXTURE, SO THAT FIXTURE REMAINS OFF WHEN NORMALLY CONTROLLED OFF AND POWER IS AVAILABLE.

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
NEW ROCHELLE HIGH SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title

EXP:11/30/2025

#	DATE	DISCRIPTION

Drawn By:	JBM/PP
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Issued for Bid:	10/14/2024

Sheet Title
2nd FLOOR VESTIBULE - ELECTRICAL NEW WORK PLAN

Sheet No.
NRHS
E101

CONSTRUCTION DOCUMENTS

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1 / E102 1967 UNIT E/F THIRD LEVEL - CORRIDOR NEW WORK PLAN
1/4" = 1'-0"

GENERAL NOTES

A. LIGHT/GRAY LINES: INDICATE EXISTING ELECTRICAL ITEMS TO REMAIN, UNLESS INDICATED OTHERWISE.

B. SOLID BLACK LINES: INDICATE ELECTRICAL NEW WORK, UNLESS INDICATED OTHERWISE.

C. "NX": INDICATES NEW LOCATION FOR EXISTING ELECTRICAL ITEM. RECONNECT PER ORIGINAL UNLESS INDICATED OTHERWISE. EXTEND CIRCUITING IF NECESSARY. SEE DWG ED101 FOR ORIGINAL LOCATION.

D. "EX": INDICATES CONNECT TO EXISTING 120V, 20A LIGHTING OR RECEPTACLE CIRCUIT (AS INDICATED) IN ROOM/VICINITY. EXTEND CIRCUITING AS REQUIRED.

E. BRANCH CIRCUITS: ALL BRANCH CIRCUITS TO BE 1/2"C, 2#12 & 1#12G OR EQUIVALENT TYPE "MC" CABLE WHERE PERMITTED BY SPECS. 260501, UNLESS INDICATED OR REQUIRED OTHERWISE BY NEC.

F. FIRE ALARM INITIATING DEVICES: CONNECT TO EXISTING FIRE ALARM INITIATING/CONTROL LOOP IN VICINITY (CONFIRM ADEQUATE CAPACITY).

G. FIRE ALARM NOTIFICATION DEVICES: CONNECT TO EXISTING FIRE ALARM NOTIFICATION CIRCUIT(S) IN VICINITY (CONFIRM ADEQUATE CAPACITY).

H. TELECOM OUTLETS: FOR EACH PROVIDE 4" SQUARE X 2-1/2" DEEP BOX WITH SINGLE-GANG EXTENSION RING AND BLANK COVERPLATE, AND 3/4" C. FROM BOX STUBBED UP TO NEAREST ACCESSIBLE CEILING SPACE. REAM AND BUSH CONDUIT STUB AND PROVIDE NYLON PULL STRING. TELECOM CABLING AND JACK(S) TO BE PROVIDEDS SEPARATELY BY OWNER OR OWNER'S VENDOR. COORDINATE ALL WORK AS REQUIRED.

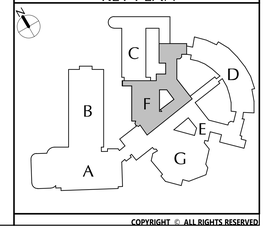
I. SECURITY SYSTEMS DEVICES/STATIONS: FOR EACH, PROVIDE MINIMUM 4" SQUARE X 2-1/2" DEEP BOX WITH SINGLE-GANG EXTENSION RING AND BLANK COVERPLATE, AND 3/4" C. FROM BOX STUBBED UP TO NEAREST ACCESSIBLE CEILING SPACE. REAM AND BUSH CONDUIT STUB AND PROVIDE NYLON PULL STRING. CONFIRM REQUIRED OUTLET BOX SIZE WITH OWNER'S SELECTED SECURITY SYSTEMS VENDOR AND PROVIDE BIGGER OR SPECIAL OUTLET BOX IF REQUIRED. SECURITY DEVICE/STATION AND REQUIRED CABLING TO BE PROVIDED SEPARATELY BY OWNER'S SELECTED SECURITY SYSTEMS CONTRACTOR/VENDOR. COORDINATE ALL WORK AS REQUIRED.

J. "NX": INDICATES NEW LOCATION FOR EXISTING ELECTRICAL ITEM (SEE DWG. ED101 FOR ORIGINAL LOCATION). CLEAN, CHECKOUT, REINSTALL AND RECONNECT ITEM PER ORIGINAL, EXTENDING EXISTING CIRCUITING IN KIND AS REQUIRED.

KEYED NOTES

1. CONNECT LIGHTING FIXTURES IN THIS ROOM TO EXISTING ROOM 120V, 20A LIGHTING CIRCUIT (FIELD VERIFY SOURCE PANELBOARD) AND FOR THE INDICATED CONTROL INCLUDING 0-10V DIMMING.
2. REUSE ALL EXISTING 120V, 20A ROOM RECEPT CIRCUITS FROM EXISTING PANELBOARD P-360F (APPROX. 10) AND CONNECT ALL NEW RECEPTS IN THIS ROOM SIMILARLY TO ORIGINAL CIRCUITING.
3. FOR EACH TELECOM OUTLET IN THIS ROOM, PROVIDE (4) CAT-6A JACKS (MATCH EXISTING) AND DEDICATED NEW CAT-6 CABLE FROM EACH SUCH JACK TO EXISTING WIRING RACK PATCH PANEL IN COMPUTER LAB 360F. FOR ONE TEL-POWER POLE NEAR CENTER OF ROOM, PROVIDE TOTAL (8) JACKS, EACH WITH DEDICATED CAT-6A CABLE HOMERUN.
4. EXISTING TELECOM WIRING RACK WITH PATCH PANELS SERVING COMPUTER LAB 360H.
5. EXISTING 120/208V, 3-PHASE, 4-WIRE PANELBOARD SERVING RECEPT CIRCUITS IN COMPUTER LAB 360H.
6. NEW LOCATION FOR EXISTING CEILING A/C UNIT. RECONNECT PER ORIGINAL. SEE DWG. ED102 FOR ORIGINAL LOCATION.
7. CONNECT RECEPT TO EXISTING ROOM 120V, 20A RECEPT CIRCUIT (FIELD VERIFY SOURCE PANELBOARD).
8. CONNECT CORRIDOR RECEPT TO EXISTING 120V, 20A CORRIDOR RECEPT CIRCUIT (FIELD VERIFY SOURCE PANELBOARD).
9. NEW LOCATION FOR EXISTING TELECOM OUTLET. REPLACE EXISTING OUTLET AND JACK(S) IN KIND AND PROVIDE DEDICATED NEW CAT-6A CABLE(S) TO RESPECTIVE EXISTING WIRING RACK PATCH PANEL (FIELD VERIFY REQUIRED NUMBER OF DROPS AND WIRING RACK LOCATION WITH SCHOOL IT DEPT). ALLOW TWO 250' DROPS PER OUTLET.
10. FIRE ALARM RELAY MODULE FOR DOOR HOLDER CONTROL. CONNECT TO NEAREST 120V (CONFIRM) DOOR HOLDER CIRCUIT ON FLOOR, AND TO EXISTING FIRE ALARM INITIATING/CONTROL LOOP IN VICINITY. PROGRAM MODULE TO CLOSE DOORS ON ANY BUILDING FIRE ALARM CONDITION OR PER EXISTING SYSTEM OPERATION, IF DIFFERENT.
11. NEW TELECOM/POWER POLE WITH TWO DUPLEX RECEPTS AND EIGHT TELECOM DROPS.
12. 0-10V DIMMING LIGHTING POWER PACK. IF EXISTING ROOM LIGHTING FIXTURES ARE 0-10V DIMMING CAPABLE, CONNECT ACCORDINGLY. IF NOT, DON'T, AND JUST PROVIDE ON-OFF CONTROL.
13. UNSWITCHED NIGHT LIGHT.
14. FIRE ALARM RELAY MODULE FOR SMOKE DAMPER CONTROL. CONNECT TO NEAREST EXISTING 120V (CONFIRM) DOOR HOLDER CIRCUIT ON FLOOR, AND TO EXISTING FIRE ALARM INITIATING/ CONTROL LOOP IN VICINITY. PROGRAM MODULE TO CLOSE SMOKE DAMPERS ON ANY BUILDING FIRE ALARM CONDITION OR PER EXISTING SYSTEM OPERATION, IF DIFFERENT.

KEY PLAN



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Sheet Title
3rd FLOOR CORRIDOR - ELECTRICAL NEW WORK PLAN

Sheet No.
NRHS E102

CONSTRUCTION DOCUMENTS

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