CITY SCHOOL DISTRICT OF NEW ROCHELLE

ALBERT LEONARD MIDDLE SCHOOL

2023 CAPITAL PROJECTS - PHASE 1

25 GERADA LN. NEW ROCHELLE, NY 10804

ISSUED FOR BID: 10/29/2024

CSARCH - ARCHITECTS

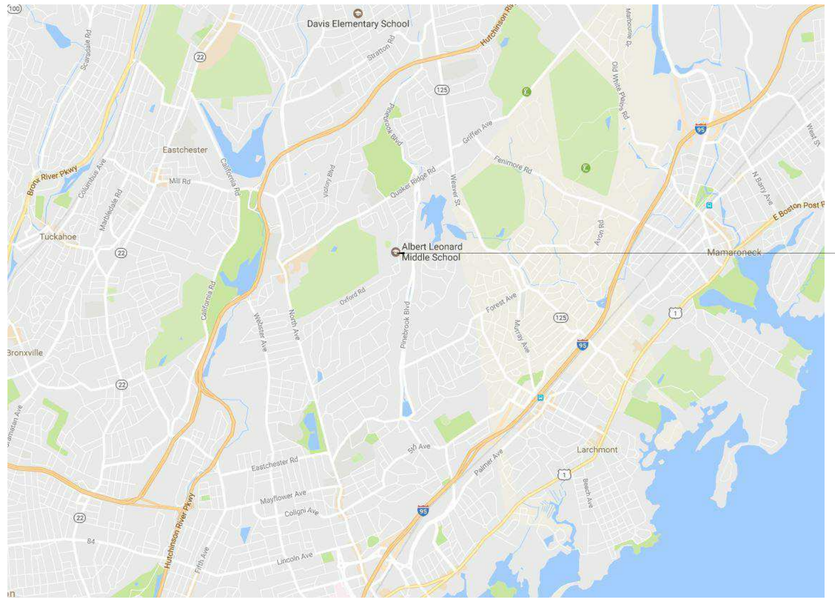
GREENMAN - PEDERSEN, INC. - MEP & STRUCTURAL ENGINEER

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:

2023 CAPITAL PROJECTS - PHASE 1 66-11-00-01-0-002-016

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



ALBERT LEONARD MIDDLE SCHOOL

VICINITY MAP NTS

DRAWING LIST - VOLUME 2

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VOLUME 2 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
DNG	DRAINING
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
SAG	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

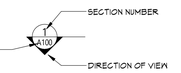
- FACE OF STUD OR CMU
- COLUMN CENTER LINE

SYMBOLS

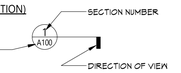
- CLASSROOM / 100 / 000 S.F. — ROOM NAME, ROOM NUMBER, AREA OF ROOM
- A100 — DOOR NUMBER, REFER TO A900 DRAWINGS
- 1 — WINDOW TAG, REFER TO A900 DRAWINGS
- BL11 — BORROWED LIGHT NUMBER, REFER TO A900 DRAWINGS
- S-1 — STOREFRONT / CURTAINWALL NUMBER, REFER TO A900 DRAWINGS
- 1 — COLUMN GRID DESIGNATION
- 1 / M — PARTITION TAG, REFER TO A700 DRAWINGS; HOUR RATING OF PARTITION; ADDITIONAL NOTES FOR PARTITION
- 1 — REVISION NUMBER
- 1 — KEY NOTE, NEW WORK
- 1 — KEY NOTE, DEMOLITION WORK
- 10'-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

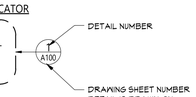
SECTION INDICATOR



DETAIL INDICATOR (SECTION)



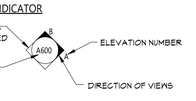
ENLARGED DETAIL INDICATOR



DETAIL TITLE

EXTERIOR ELEVATION INDICATOR

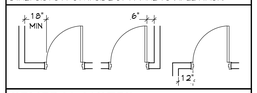
INTERIOR ELEVATION INDICATOR



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 COORDINATE 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 'M' 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 AF
12. ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED.
13. PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL WALL REMOVAL AREAS, COORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS.
14. ALL CONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

Drawn By:	NS
Checked By:	MZ
Proj. #:	66-11-00-01-0-002-016
CSArch Proj. #:	188-2301.01
Issued for Bid:	10/14/2024

Sheet Title

SYMBOLS, ABBREVIATIONS, AND MISC

Sheet No.

ALMS G001

CONSTRUCTION DOCUMENTS

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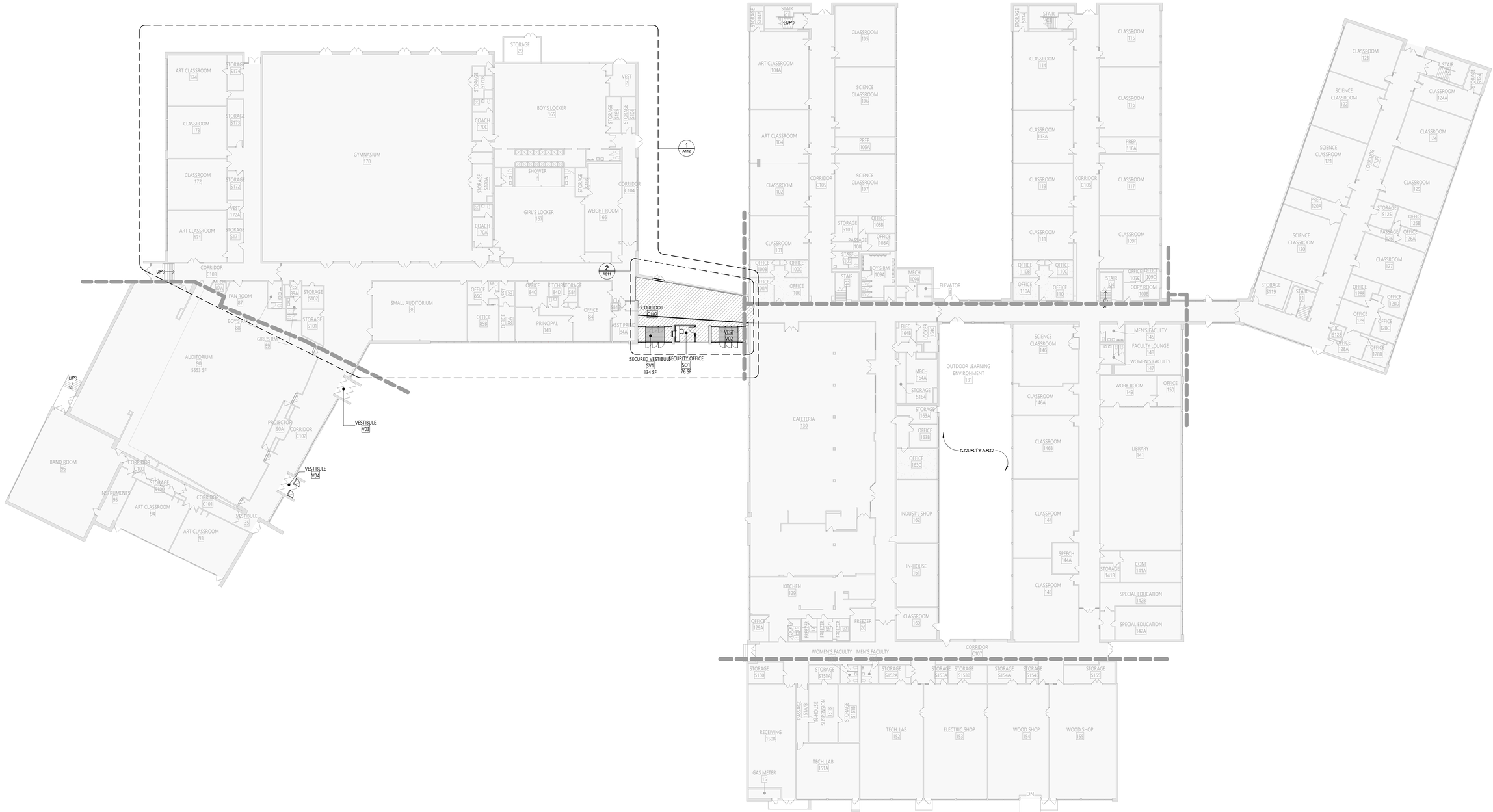
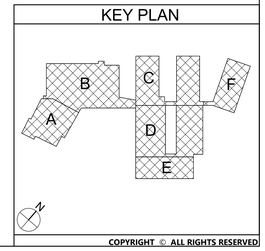


1 OVERALL FIRST FLOOR PLAN
G112 1" = 20'-0"

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

REGISTERED ARCHITECT JOHN M. RITARDI 043344 STATE OF NEW YORK

Expiration Date: 02/28/2025

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Drawn By:	NS
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Sheet Title
OVERALL FIRST FLOOR PLAN

Sheet No.
ALMS
G112

CONSTRUCTION DOCUMENTS

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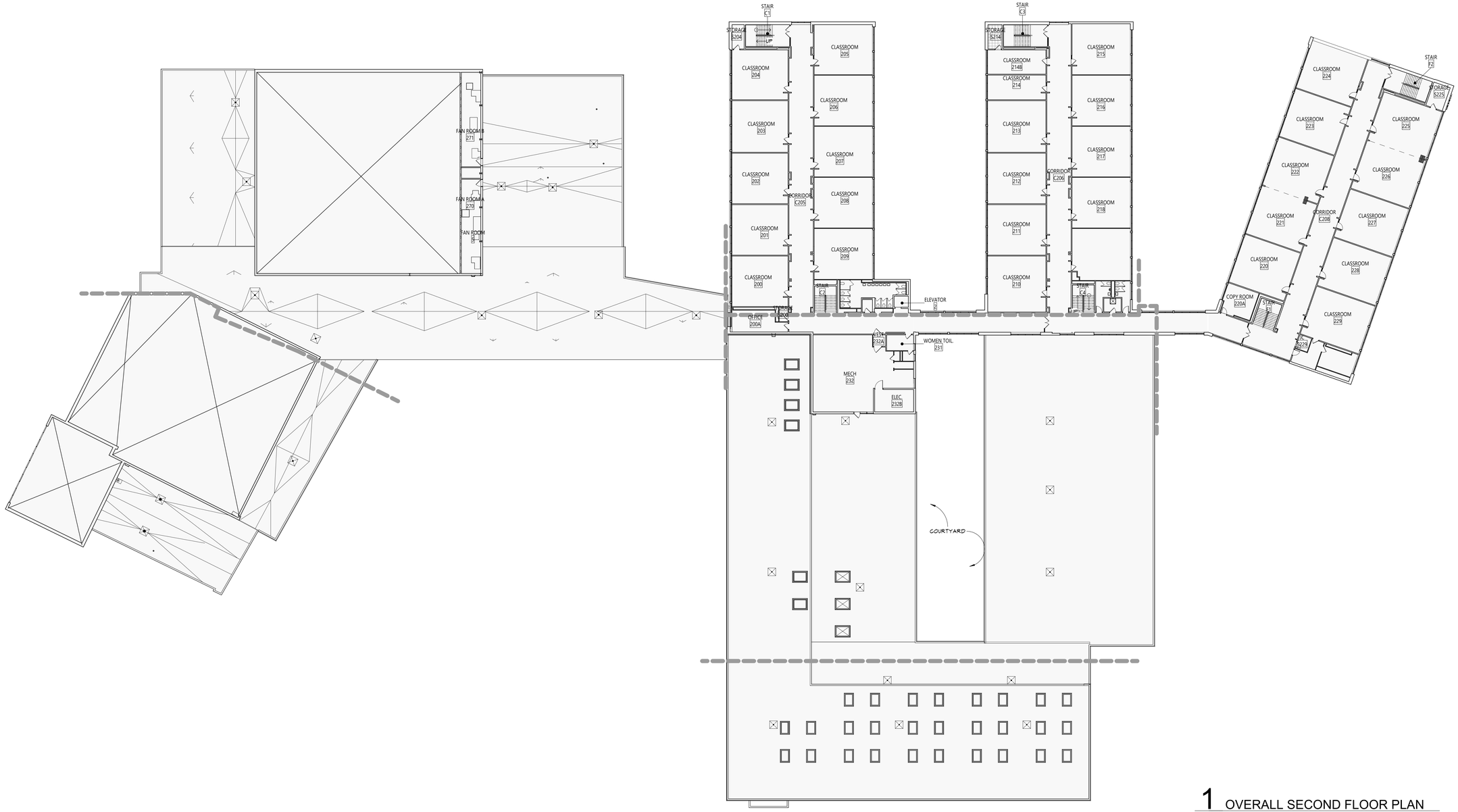
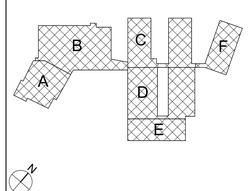


1 OVERALL SECOND FLOOR PLAN
G121 3/64" = 1'-0"

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

DANIEL M. RITSENTHEL
REGISTERED ARCHITECT
023345
STATE OF NEW YORK

Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

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Sheet Title

OVERALL SECOND FLOOR PLAN

Sheet No.

ALMS G121

CONSTRUCTION DOCUMENTS

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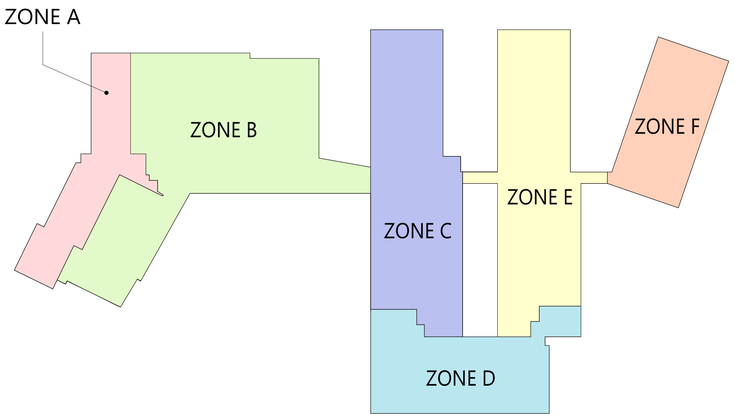
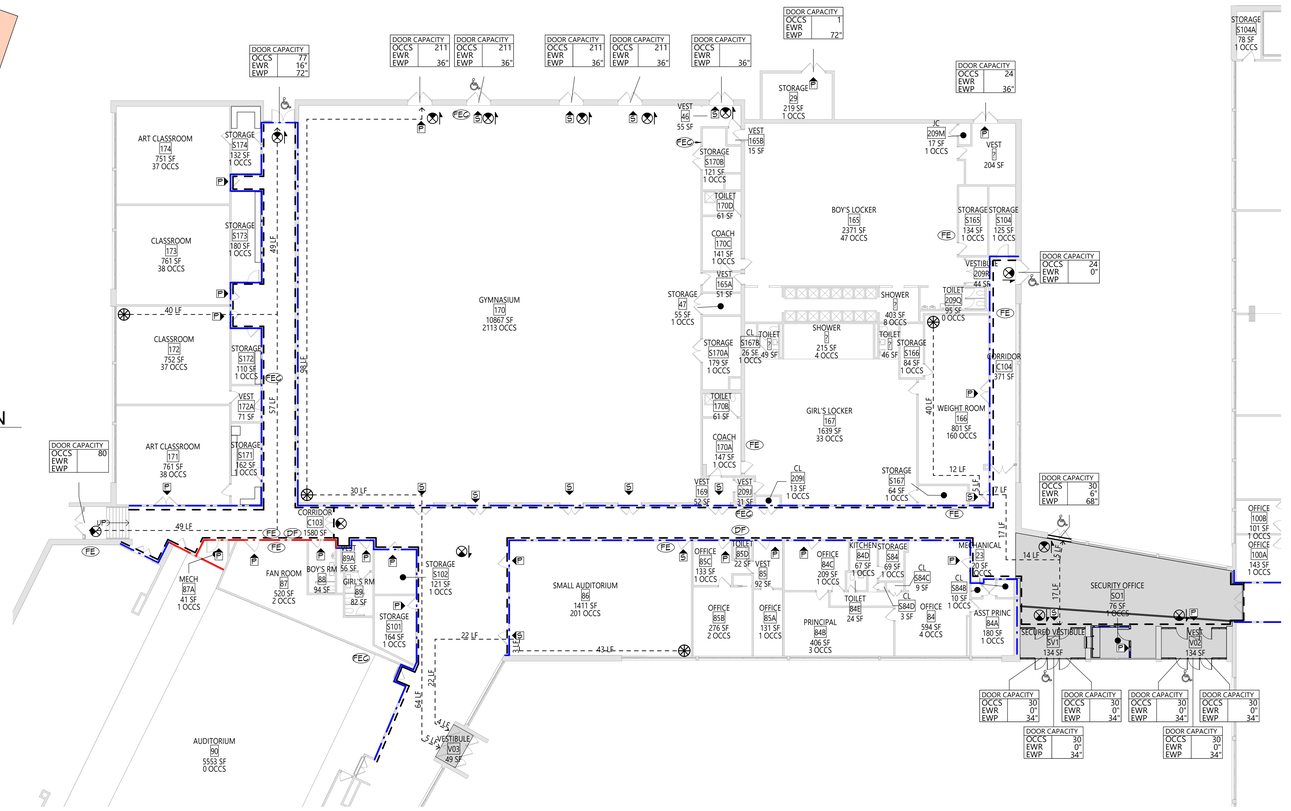
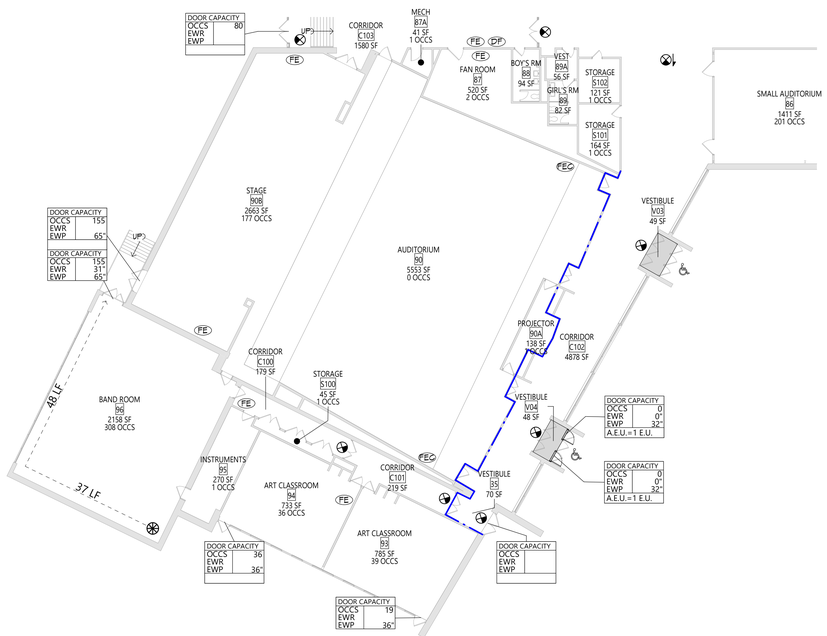


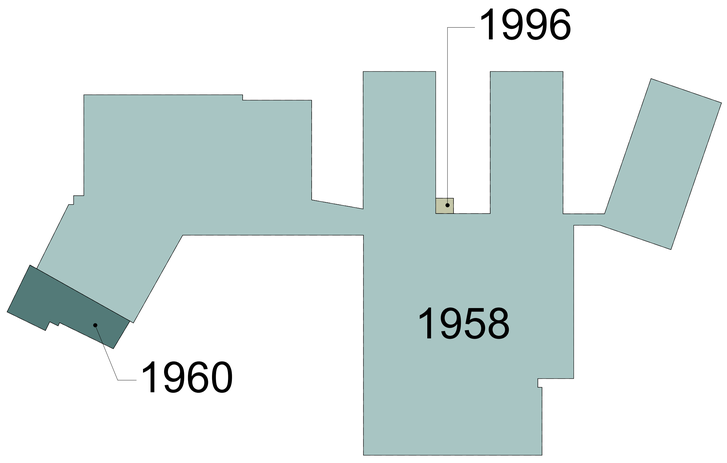
3 ALBERT LENARD FIRE/SMOKE ZONE PLAN
LS111 6" = 1'-0"



2 AREA 'B' FIRST FLOOR PLAN
LS111 1/16" = 1'-0"



1 AREA 'A' FIRST FLOOR PLAN
LS111 1/16" = 1'-0"



ALBERT LEONARD VINTAGE KEY PLAN
6" = 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 EXITING: OCCS ## / EWR 1" / EWP 1" — REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- STAIRS: OCCS ## / EWR 1" / EWP 1" — 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
- EWS 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:

ORIGINAL CONSTRUCTION: 1958
CONSTRUCTION TYPE: IIB
FIRST FLOOR AREA: 127,729 SF GROSS
SECOND FLOOR AREA: 40,574 SF GROSS
ADDITION CONSTRUCTION: 1960
CONSTRUCTION TYPE: IIB
BASEMENT AREA: 2,200 SF GROSS
FIRST FLOOR AREA: 5,400 SF GROSS
ADDITION CONSTRUCTION: 1993
CONSTRUCTION TYPE: IIB
FIRST FLOOR AREA: 900 SF GROSS
SECOND FLOOR AREA: 900 SF GROSS

CLASSIFICATION OF WORK:

- LEVEL 1 ALTERATION 0 SF
- LEVEL 2 ALTERATION 1,700 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
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

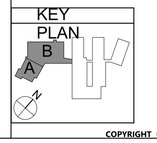
FIRE AREA MODIFICATIONS (NYS SECTION 506)

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

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

Expiration Date: 02/28/2025

#	DATE	DESCRIPTION

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Proj. #: 66-11-00-01-0-002-016
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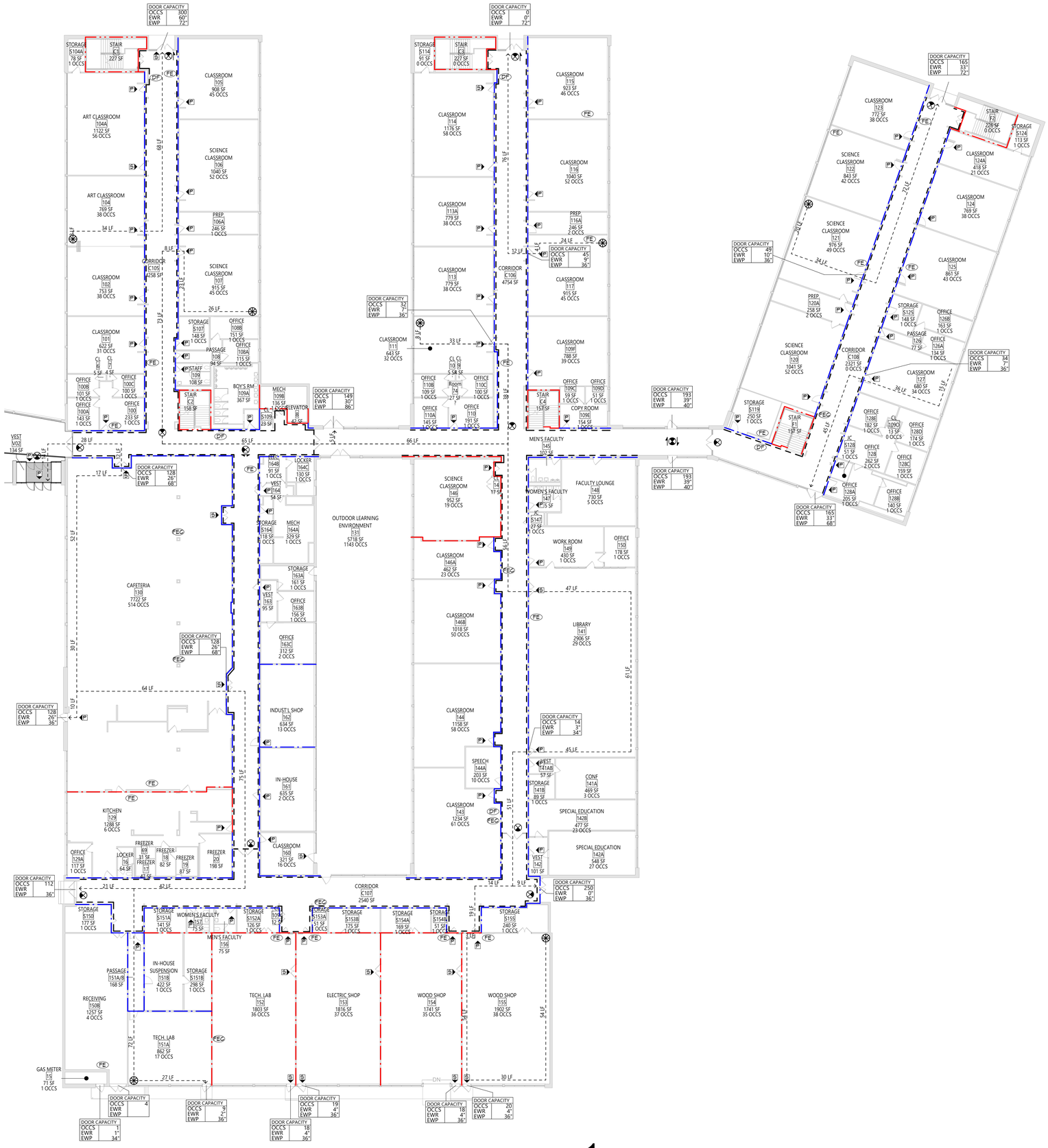
Issued for Bid: 10/14/2024

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

Sheet No.
ALMS LS111

CONSTRUCTION DOCUMENTS



1 AREA 'C' FIRST FLOOR PLAN
LS113 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)
- DOOR 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
- EWS 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:

ORIGINAL CONSTRUCTION:	1958
CONSTRUCTION TYPE:	IIB
FIRST FLOOR AREA:	127,729 SF GROSS
SECOND FLOOR AREA:	40,579 SF GROSS
ADDITION CONSTRUCTION:	1960
CONSTRUCTION TYPE:	IIB
BASEMENT AREA:	2,200 SF GROSS
FIRST FLOOR AREA:	5,400 SF GROSS
ADDITION CONSTRUCTION:	1993
CONSTRUCTION TYPE:	IIB
FIRST FLOOR AREA:	300 SF GROSS
SECOND FLOOR AREA:	300 SF GROSS

CLASSIFICATION OF WORK:

- LEVEL 1 ALTERATION 0 SF
- LEVEL 2 ALTERATION 1,700 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
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

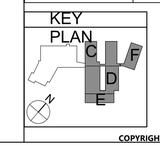
FIRE AREA MODIFICATIONS (NYS SECTION 506)

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

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

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Sheet Title
AREA 'C', 'D', 'E', 'F' - PARTIAL FIRST FLOOR LIFE SAFETY PLAN

Sheet No.
ALMS LS113

CONSTRUCTION DOCUMENTS

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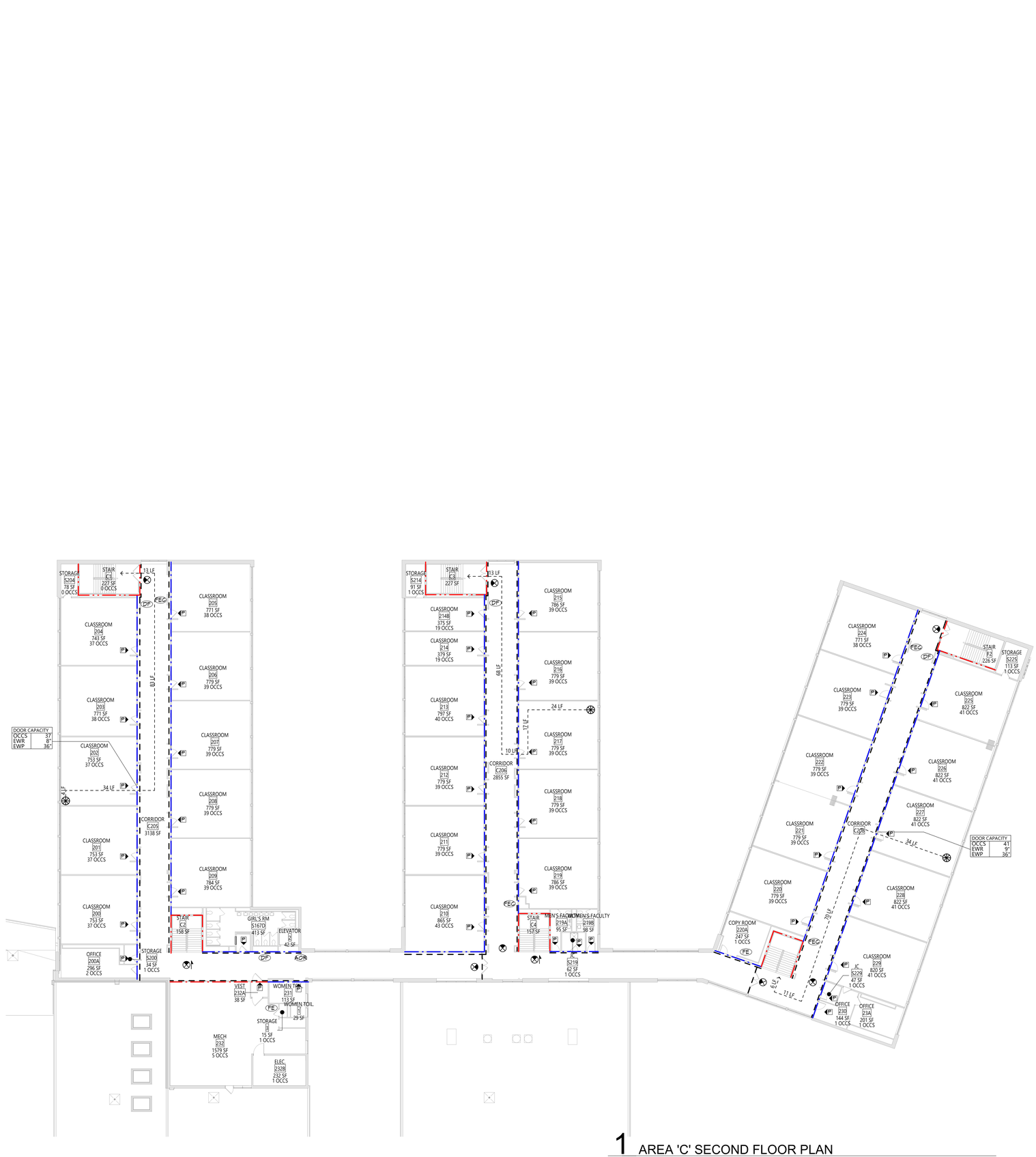

1 AREA 'C' SECOND FLOOR PLAN
LS123 1/16" = 1'-0"

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)
- EGRESS WIDTH: OCCS ##, EWR ", EWP " — REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
- EGRESS WIDTH: OCCS ##, EWR ", EWP " — REQUIRED EXIT WIDTH FOR STAIRS BASED ON (OCCUPANT * 0.3)
- EXIT PATH OF TRAVEL (START - END)
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- FEC FIRE EXTINGUISHER CABINET

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- 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

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ASSEMBLY W/OUT FIXED SEATS	
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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)
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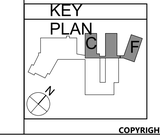
F	BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE
P	PERIMETER OF ENTIRE BUILDING (FEET)

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

KEY PLAN



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2023 CAPITAL PROJECTS - PHASE 1

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Sheet Title

SECOND FLOOR LIFE SAFETY PLAN

Sheet No.

ALMS LS123

CONSTRUCTION DOCUMENTS

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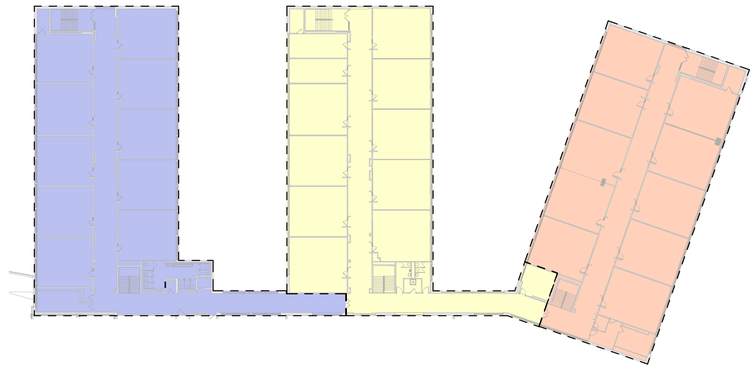
SMOKE ZONE LEGEND

- SMOKE ZONE A
- SMOKE ZONE B
- SMOKE ZONE C
- SMOKE ZONE D
- SMOKE ZONE E
- SMOKE ZONE F



2 AREA 'F' SECOND FLOOR PLAN
LS131 1/32" = 1'-0"

1 AREA 'C' FIRST FLOOR PLAN
LS131 1/32" = 1'-0"

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

REGISTERED ARCHITECT
JOSEPH M. RITZENTHALER
023344
STATE OF NEW YORK

Expiration Date: 02/28/2025

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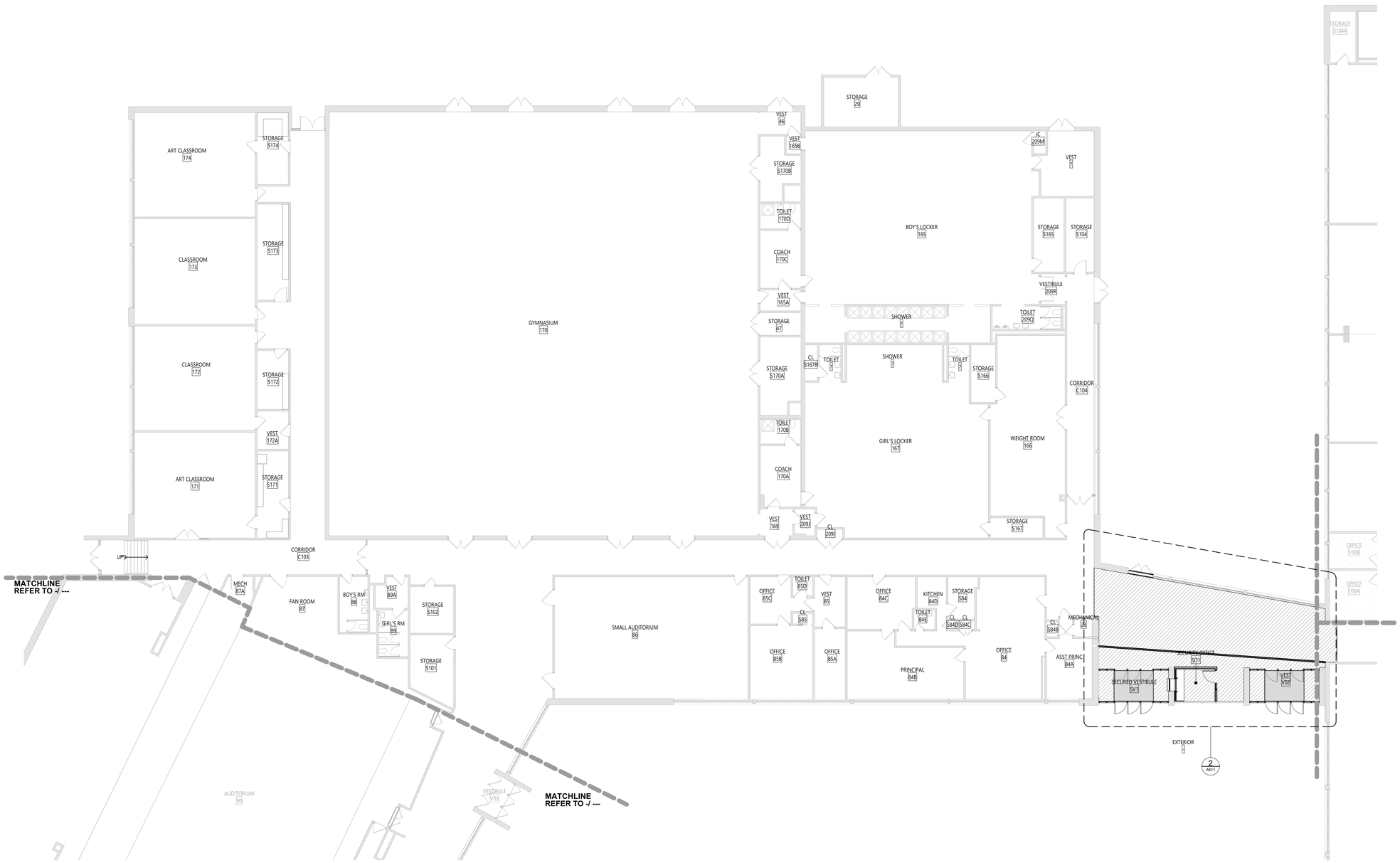
Sheet Title

SMOKE ZONE PLANS

Sheet No.

ALMS
LS131

CONSTRUCTION DOCUMENTS

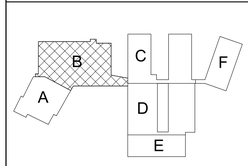


1 AREA 'B' FIRST FLOOR PLAN
A112 3/32" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ENLARGED PLANS AND ELEVATIONS, ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY, SECURITY PARTITION TYPE AND ADDITIONAL NOTES, LINTEL SCHEDULE AND DETAIL.
3. REFER TO A800 SERIES DRAWINGS FOR ENLARGE RCPS, DETAILS AND NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

REGISTERED ARCHITECT JOSEPH M. RITZERT 023344 STATE OF NEW YORK

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Sheet Title

AREA 'B' - PARTIAL FIRST FLOOR PLAN

Sheet No.

ALMS
A112

CONSTRUCTION DOCUMENTS

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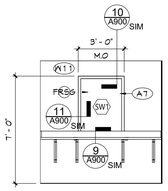
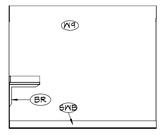
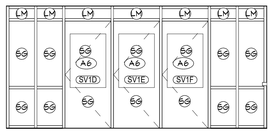


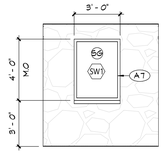
7 SO1- OFFICE ELEVATION 2
A611 1/4" = 1'-0"



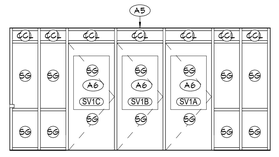
6 SO1- OFFICE ELEVATION 1
A611 1/4" = 1'-0"



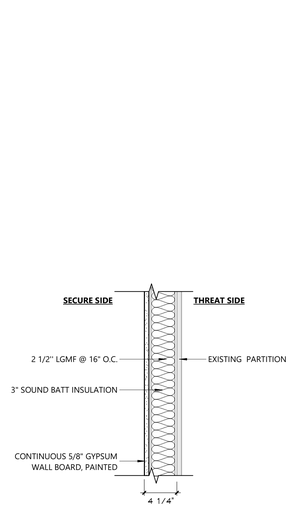
5 SV1- VESTIBULE ELEVATION 3
A611 1/4" = 1'-0"



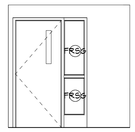
4 SV1- VESTIBULE ELEVATION 2
A611 1/4" = 1'-0"



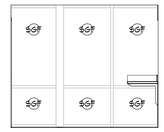
3 SV1- VESTIBULE ELEVATION 1
A611 1/4" = 1'-0"



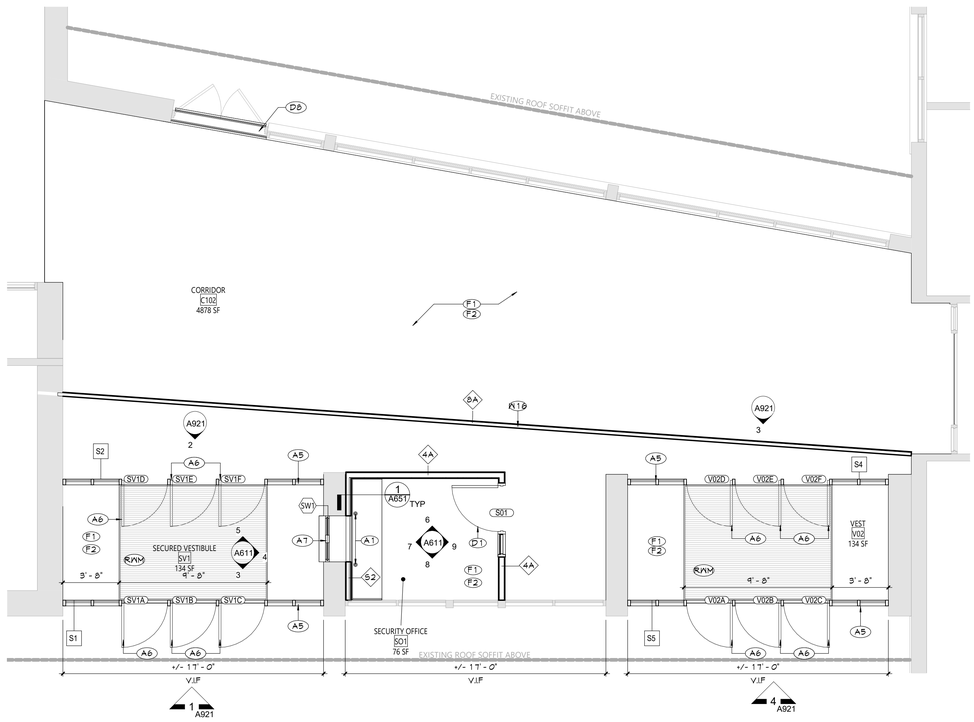
10 SECURITY PARTITION TYPE S2
A611 1 1/2" = 1'-0"



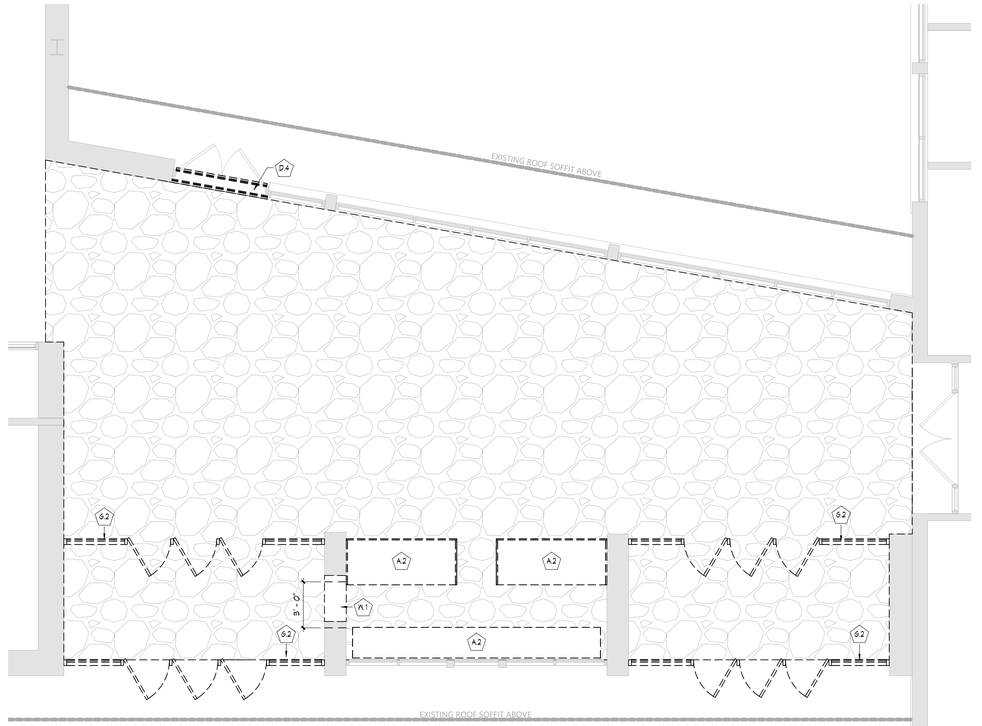
9 SO1- OFFICE ELEVATION 4
A611 1/4" = 1'-0"



8 SO1- OFFICE ELEVATION 3
A611 1/4" = 1'-0"



2 ENLARGED MAIN ENTRY NEW WORK PLAN
A611 1/4" = 1'-0"



1 ENLARGED MAIN ENTRY DEMOLITION PLAN
A611 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ENLARGED PLANS AND ELEVATIONS, ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY, SECURITY PARTITION TYPE AND ADDITIONAL NOTES, LINTEL SCHEDULE AND DETAIL.
3. REFER TO A800 SERIES DRAWINGS FOR ENLARGE RCPS, DETAILS AND NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

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.

GENERAL CASEWORK NOTES

1. ALL CASEWORK SHALL HAVE PLASTIC LAMINATE (PLAM) COUNTERTOPS AND 4" BACK SPLASHES, UNO.
2. INSTALL MATCHING FILLER PANELS IN LOCATIONS SHOWN. ADD MATCHING FILLER PANELS AS REQUIRED FOR FINAL FIT/FINISH.
3. PROVIDE BLOCKING IN ALL ADJACENT WALLS AS REQUIRED TO INSTALL ALL CASEWORK.
4. PROVIDE FINISHED END PANEL AT ALL EXPOSED FACES OF CASEWORK.
5. PROVIDE WALL BASE AS SCHEDULED ON ALL EXPOSED TOE KICK SPACES AND EXPOSED END PANELS.

CASEWORK LEGEND

AWI DESIGN NUMBER (INDICATES ELEVATION LAYOUT ONLY, REFER TO DETAILS AND SPECIFICATIONS FOR CASEWORK CONSTRUCTION REQUIREMENTS)

TYPE OF CASEWORK
PL = PLASTIC LAMINATE
M = METAL
W = WOOD

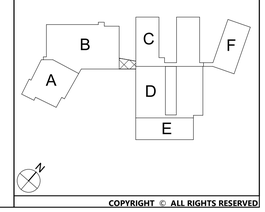
GLAZING TYPES

CGL	LOW-E COATED, INSULATED GLASS
LM	LAMINATED GLASS
SG	SECURITY GLASS
SGF	SECURITY GLAZING FILM
FR	FIRE-RATED GLASS
FRSG	FIRE-RATED SECURITY GLASS

KEYNOTES

#	DESCRIPTION
A1	PROVIDE AND INSTALL NEW CASEWORK.
A5	PROVIDE NEW STOREFRONT SYSTEM AS SPECIFIED.
A6	PROVIDE NEW DOOR AND DOOR HARDWARE IN NEW STOREFRONT AS SPECIFIED.
A7	PROVIDE NEW SECURITY TRANSACTION WINDOW AS SPECIFIED.
A.2	REMOVE CASEWORK IN ITS ENTIRETY, INCLUDING ALL BLOCKING, FASTENERS, AND BASE. REFER TO ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL REMOVALS.
BR	STEEL SUPPORT BRACKET
D1	PROVIDE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY.
D8	PROVIDE NEW ALUMINUM THRESHOLD.
D.4	REMOVE EXISTING DOOR ALUMINUM THRESHOLD.
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.
G.2	REMOVE STOREFRONT SYSTEM IN ITS ENTIRETY, INCLUDING ALL DOORS, HARDWARE, AND ANCHORING DEVICES.
RVM	RECESSED WALK OFF MAT.
SNB	SCHEDULED WALL BASE
W9	PREP AND PAINT WALL SURFACE IN ITS ENTIRETY.
W11	PROVIDE NEW PARTITION.
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.
W.1	SAWCUT AND REMOVE MASONRY WALL IN ITS ENTIRETY.

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

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#	DATE	DESCRIPTION

Drawn By:	Author
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Sheet Title
ENLARGED SECURED VESTIBULE, ELEVATIONS AND DETAILS

Sheet No.
ALMS
A611

CONSTRUCTION DOCUMENTS

ASST PRINC

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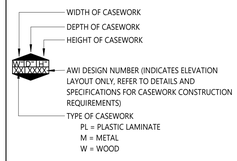
GENERAL NOTES

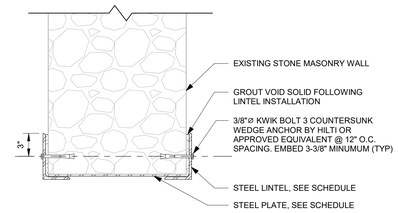
1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ENLARGED PLANS AND ELEVATIONS, ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY, SECURITY PARTITION TYPE AND ADDITIONAL NOTES, LINTEL SCHEDULE AND DETAIL.
3. REFER TO A800 SERIES DRAWINGS FOR ENLARGE RCPS, DETAILS AND NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

GENERAL CASEWORK NOTES

1. ALL CASEWORK SHALL HAVE PLASTIC LAMINATE (PLAM) COUNTERTOPS AND 4" BACK SPLASHES, UNO.
2. INSTALL MATCHING FILLER PANELS IN LOCATIONS SHOWN. ADD MATCHING FILLER PANELS AS REQUIRED FOR FINAL FIT/FINISH.
3. PROVIDE BLOCKING IN ALL ADJACENT WALLS AS REQUIRED TO INSTALL ALL CASEWORK.
4. PROVIDE FINISHED END PANEL AT ALL EXPOSED FACES OF CASEWORK.
5. PROVIDE WALL BASE AS SCHEDULED ON ALL EXPOSED TOE KICK SPACES AND EXPOSED END PANELS.

CASEWORK LEGEND

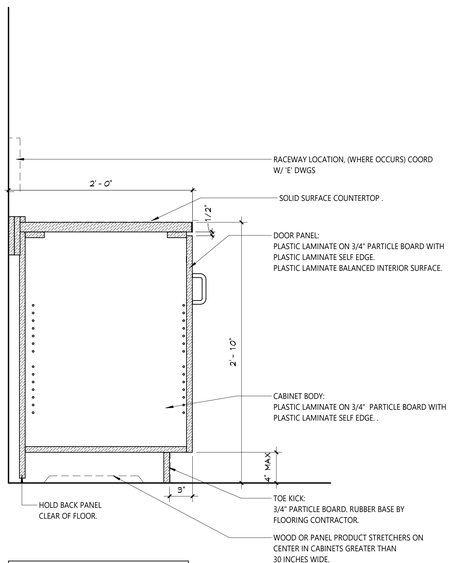




STEEL ANGLE LOOSE LINTEL SCHEDULE		
OPENING TAG	ANGLE SIZE	PLATE SIZE
SW1	L6"X3 1/2"X5/16" LLV	1/4" THICK X 18" WIDE

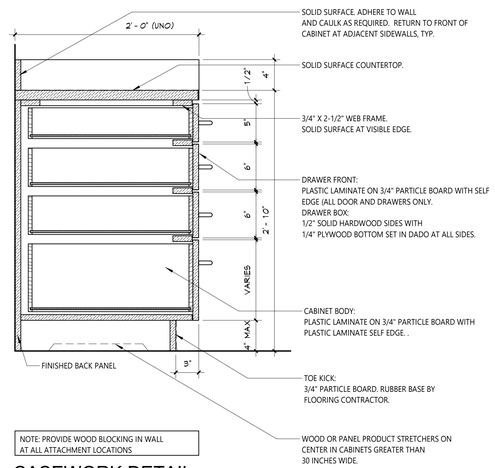
NOTES:
1. BEAR LINTELS 6" MINIMUM EACH END OF OPENING.
2. SEE ARCH DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.
3. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING, AND INSTALLING ALL TEMPORARY SHORING THAT IS REQUIRED TO SUPPORT EXISTING STRUCTURE DURING CONSTRUCTION DUE TO THE REMOVALS FOR INSTALLATION OF NEW CONSTRUCTION.

4 LINTEL SCHEDULE
A651 1 1/2" = 1'-0"



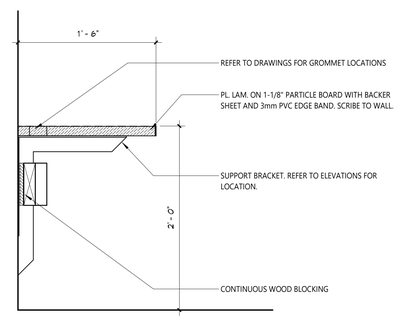
NOTE: PROVIDE WOOD BLOCKING IN WALL AT ALL ATTACHMENT LOCATIONS

3 CASEWORK DETAIL
A651 1 1/2" = 1'-0"



NOTE: PROVIDE WOOD BLOCKING IN WALL AT ALL ATTACHMENT LOCATIONS

2 CASEWORK DETAIL
A651 1 1/2" = 1'-0"



1 COUNTER DETAIL
A651 1 1/2" = 1'-0"

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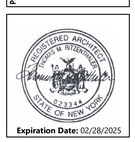
CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title



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Sheet Title
CASEWORK DETAILS AND LINTEL SCHEUDLE

Sheet No.
ALMS
A651

CONSTRUCTION DOCUMENTS

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GENERAL NOTES

1. REFER TO SHEET G001 FOR ADDITIONAL GENERAL NOTES.
2. REFER TO A600 SERIES DRAWINGS FOR ENLARGED PLANS AND ELEVATIONS, ADDITIONAL DIMENSIONS AND DETAILED INFORMATION OF CABINETRY, SECURITY PARTITION TYPE AND ADDITIONAL NOTES, LINTEL SCHEDULE AND DETAIL.
3. REFER TO A800 SERIES DRAWINGS FOR ENLARGE RCPS, DETAILS AND NOTES.
4. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.

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.

CEILING NEW WORK NOTES

1. INSTALL CEILING GRIDS SYMMETRICAL 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.
4. PROTECT EXISTING SECURITY CAMERAS THROUGHOUT ALL AREAS OF CEILING REPLACEMENT, UNLESS NOTED OTHERWISE.

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
- OS — CEILING MOUNTED OCCUPANCY SENSOR
- S — CEILING MOUNTED SMOKE DETECTOR
- H — CEILING MOUNTED HEAT DETECTOR
- S — CEILING MOUNTED PA SPEAKER
- J — CEILING MOUNTED SECURITY J-BOX
- MS — CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

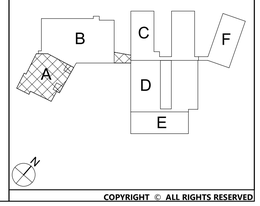
MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

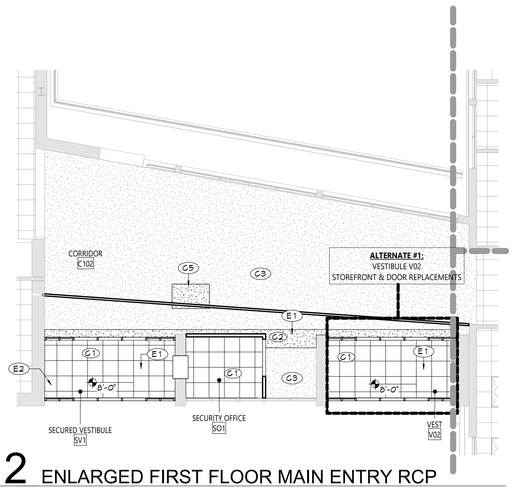
- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

KEYNOTES

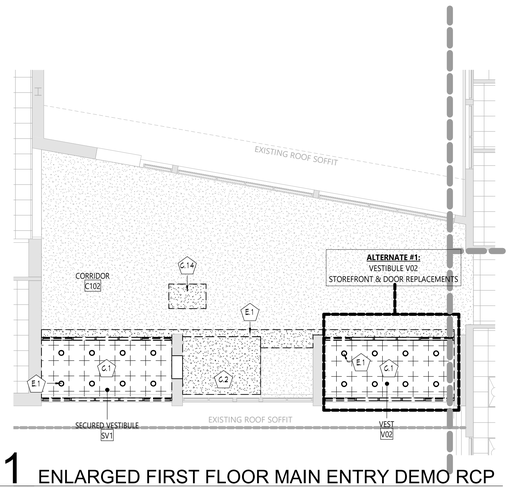
#	DESCRIPTION
C1	24"x24" ACOUSTIC PANELS AND SUSPENSION SYSTEM.
C2	PATCH, REPAIR, AND PAINT EXISTING GWB CEILING SYSTEM AS NEEDED TO FACILIATE NEW PARTITION CONSTRUCTION. FINISHES TO MATCH ADJACENT CEILING.
C3	PREP AND PAINT EXISTING CEILING SYSTEM IN ITS ENTIRETY.
C5	PROVIDE GWB CEILING ON METAL STUD FRAMING.
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.2	REMOVE EXISTING PLASTER CEILING SYSTEM INTIS ENTIRETY, INCLUDING ALL FRAMING AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
C.14	REMOVE PORTION OF EXISTING PLASTER AND/OR GWB CEILING SYSTEM, INCLUDING ALL FRAMING. COORDINATE WITH 'M' DRAWINGS FOR OTHER REMOVALS.
E1	LIGHT FIXTURE INSTALLATION, TYPICAL REFER TO 'E' DRAWINGS.
E2	ELECTERICAL INSTALLATION, TYPICAL REFER TO 'E' DRAWINGS.
E.1	LIGHT FIXTURE REMOVAL, REFER TO 'E' DRAWINGS AND ABATEMENT DRAWINGS AND REPORT.
M1	MECHANICAL INSTALLATION,TYPICAL REFER TO 'M' DRAWINGS.

KEY PLAN





2 ENLARGED FIRST FLOOR MAIN ENTRY RCP
A811 1/8" = 1'-0"



1 ENLARGED FIRST FLOOR MAIN ENTRY DEMO RCP
A811 1/8" = 1'-0"

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

REGISTERED ARCHITECT · KEVIN M. RITSCHER · 023344 · STATE OF NEW YORK

Expiration Date: 02/28/2025

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Sheet Title
ENLARGED NEW WORK AND DEMO REFLECTED CEILING PLANS

Sheet No.
ALMS
A811

CONSTRUCTION DOCUMENTS

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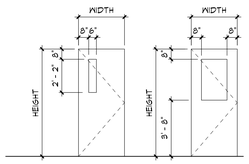
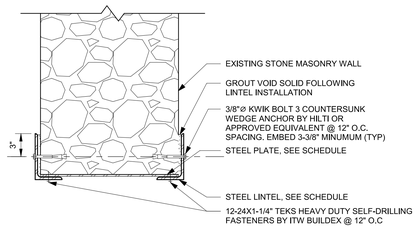


A900 DOOR-TYPES

1/4" = 1'-0"



STEEL ANGLE LOOSE LINTEL SCHEDULE		
OPENING TAG	ANGLE SIZE	PLATE SIZE
SW1	(2) L6"X3 1/2"X5/16" LLV	1/2" THICK X 18" WIDE

NOTES:
1. BEAR LINTELS 6" MINIMUM EACH END OF OPENING. GROUT TO PROVIDE, SOLID, LEVEL BEARING SURFACE.
2. SEE ARCH DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.
3. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING, PROVIDING, AND INSTALLING ALL TEMPORARY SHORING THAT IS REQUIRED TO SUPPORT EXISTING STRUCTURE DURING CONSTRUCTION DUE TO THE REMOVALS FOR INSTALLATION OF NEW CONSTRUCTION.

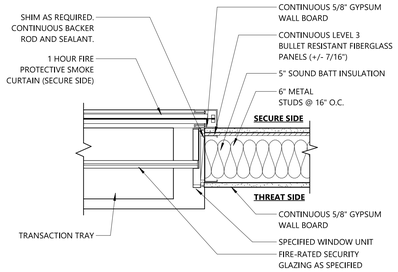
12 LINTEL SCHEDULE

A900 1 1/2" = 1'-0"

DOOR SCHEDULE

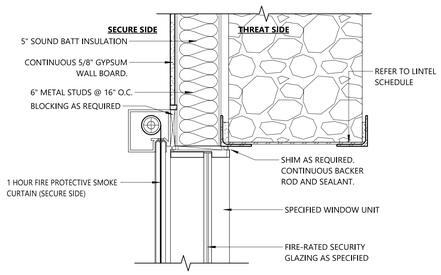
DOOR NUMBER	DOOR										FRAME										DOOR NUMBER
	FROM		TO		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	LABEL (MIN)	GLAZING	HARDWARE	MAG HOLD-OPEN	ACCESS CONTROL	
S01	C102	CORRIDOR	SO1	SECURITY OFFICE	3' - 0"	7' - 0"	1 3/4"	N	WD	PT	1	HM	PT	3/A900	2/A900	4/A900	20	FR		-	YES	S01
SV1A	SV1	SECURED VESTIBULE		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	YES	SV1A
SV1B	SV1	SECURED VESTIBULE		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	-	SV1B
SV1C	SV1	SECURED VESTIBULE		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	YES	SV1C
SV1D	C102	CORRIDOR	SV1	SECURED VESTIBULE	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	-	SV1D
SV1E	C102	CORRIDOR	SV1	SECURED VESTIBULE	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	-	SV1E
SV1F	C102	CORRIDOR	SV1	SECURED VESTIBULE	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	-	SV1F
V02A	V02	VEST		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	YES	V02A
V02B	V02	VEST		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	-	V02B
V02C	V02	VEST		EXTERIOR	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	-	V02C
V02D	C102	CORRIDOR	V02	VEST	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	YES	V02D
V02E	C102	CORRIDOR	V02	VEST	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	-	V02E
V02F	C102	CORRIDOR	V02	VEST	3' - 0"	7' - 0"	1 3/4"	G	FRP	FF		AL	FF	3/A900	2/A900	4/A900	-	SG		-	-	V02F

Grand total: 13



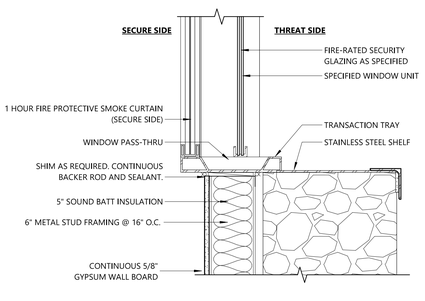
11 JAMB DETAIL - SECURITY WINDOW

A900 1 1/2" = 1'-0"



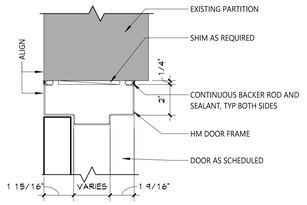
10 HEAD DETAIL - SECURITY WINDOW

A900 1 1/2" = 1'-0"



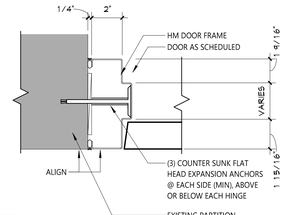
9 SILL DETAIL - SECURITY WINDOW

A900 1 1/2" = 1'-0"



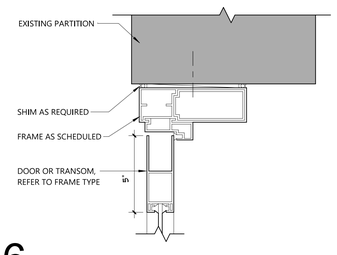
8 HEAD DETAIL

A900 3" = 1'-0"



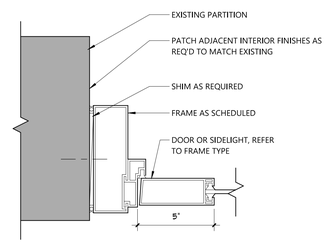
7 JAMB DETAIL

A900 3" = 1'-0"



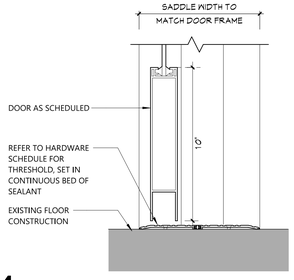
6 HEAD DETAIL

A900 3" = 1'-0"



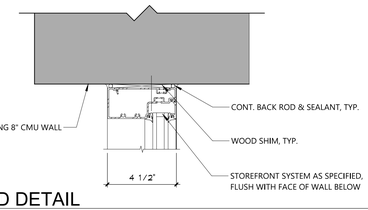
5 JAMB DETAIL

A900 3" = 1'-0"



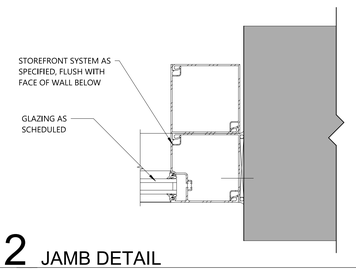
4 SILL DETAIL

A900 3" = 1'-0"



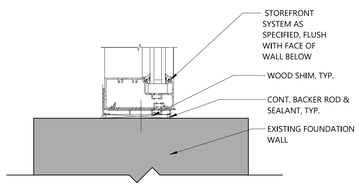
3 HEAD DETAIL

A900 3" = 1'-0"



2 JAMB DETAIL

A900 3" = 1'-0"



1 SILL DETAIL

A900 3" = 1'-0"

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Consultant

CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

REGISTERED ARCHITECT · CHRISTOPHER S. COLLURA · 023344 · STATE OF NEW YORK

Expiration Date: 02/28/2025

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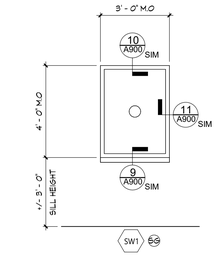
Sheet Title
DOOR AND WINDOW SCHEDULE, ELEVATIONS, DETAILS

Sheet No.
ALMS
A900

CONSTRUCTION DOCUMENTS

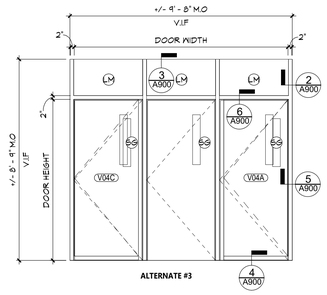
GLAZING TYPES

GGL	LOW-E COATED, INSULATED GLASS
LM	LAMINATED GLASS
SG	SECURITY GLASS
SGF	SECURITY GLAZING FILM
FR	FIRE-RATED GLASS
FRSG	FIRE-RATED SECURITY GLASS



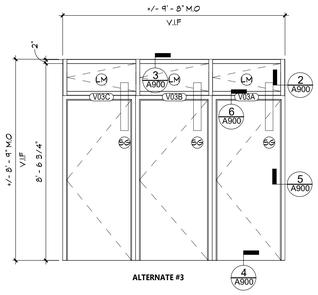
A900 WINDOW TYPES

3/8" = 1'-0"



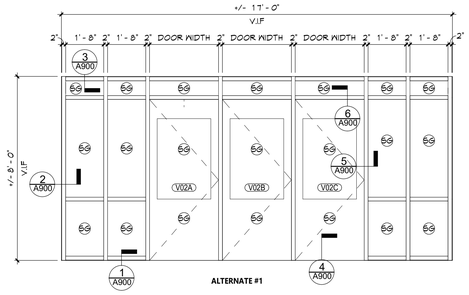
6 S7 Storefront Elevation

A921 3/8" = 1'-0"



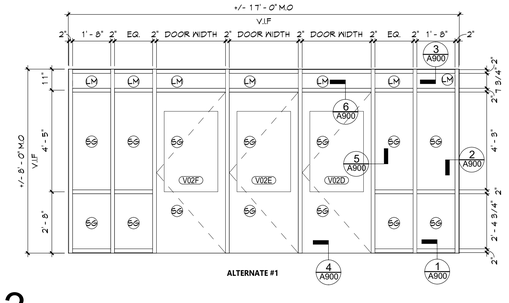
5 S6 Storefront Elevation

A921 3/8" = 1'-0"



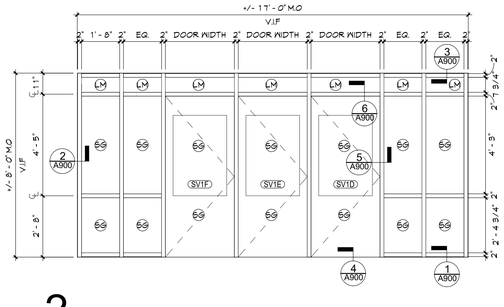
4 S5 Storefront Elevation

A921 3/8" = 1'-0"



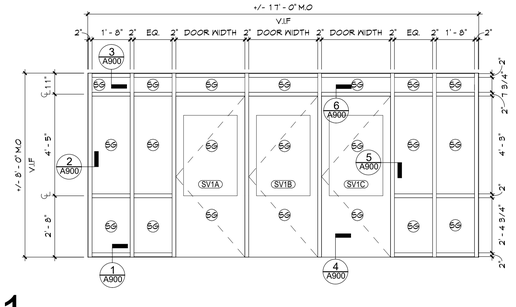
3 S4 Storefront Elevation

A921 3/8" = 1'-0"



2 S2 Storefront Elevation

A921 3/8" = 1'-0"



1 S1 Storefront Elevation

A921 3/8" = 1'-0"

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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

REGISTERED ARCHITECT
JOSEPH M. RITZERFELD
023344
STATE OF NEW YORK

Expiration Date: 02/28/2025

No.	DATE	DESCRIPTION

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Sheet Title

STOREFRONT ELEVATIONS

Sheet No.

ALMS
A921

CONSTRUCTION DOCUMENTS

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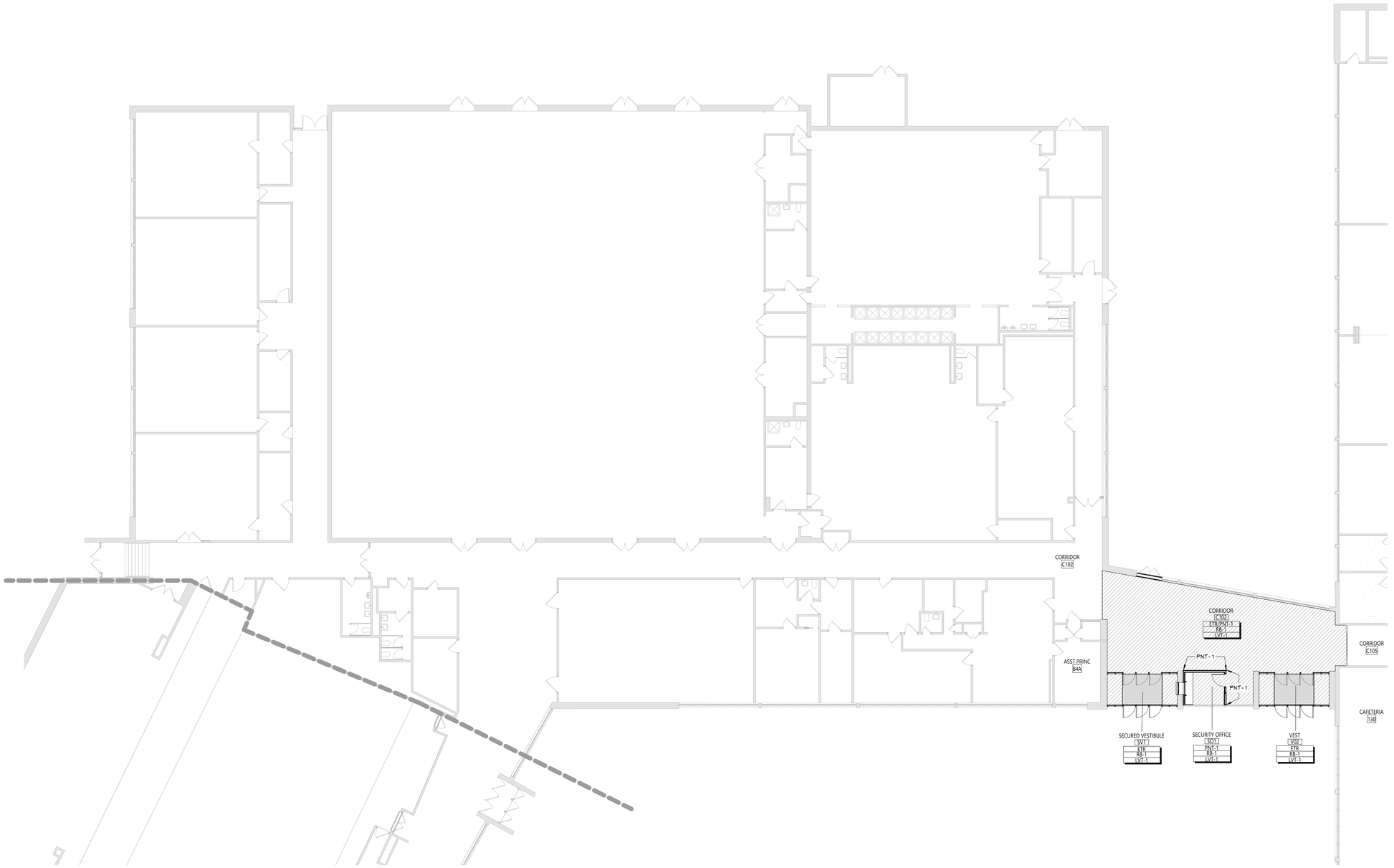
ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	FLOOR BASE	CEILING	Wall Finish	REMARKS
C102	CORRIDOR	LVT-1	RB-1	~~ETR~~ ACT-1	ETR/PNT-1	
SV1	SECURED VESTIBULE	LVT-1	RB-1	~~ETR~~ ACT-1	ETR	
SO1	SECURITY OFFICE	LVT-1	RB-1		PNT-1	
V02	VEST	LVT-1	RB-1		ETR	

MATERIALS LEGEND

MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	SIZE	NOTE
LUXURY VINYL TILE					
LVT-1	MOHAWK GROUP	MATUTO PLUS STONE	926A AGREEABLE GREY	12" X 24"	TYP. FEILD
PAINT					
PNT-1	SHERWIN WILLIAMS	EGGSHELL	SW 7551 GREEK VILLA		TYP. FEILD
PNT-2	SHERWIN WILLIAMS	SEMI-GLOSS	SW 6076 TURKISH COFFEE		HM DOOR AND FRAMES
PNT-3	SHERWIN WILLIAMS	FLAT	SW 7005 PURE WHITE		CEILING
RUBBER BASE					
RB-1	ROPPE	BASEWORKS	44 DARK BROWN	4""	TYP. FEILD
SOLIKD SURFACE					
SS-1	DUPONT	CORIAN	NEUTRAL CONCRETE		COUNTERTOP @ SECURITY



1 AREA 'B' FIRST FLOOR PLAN
AF112 3/32" = 1'-0"

DISCLAIMER NOTE

MANUFACTURER'S NAMES AND FINISH INFORMATION ARE INDICATED AS REFERENCED TO THE ARCHITECTS 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.

ABBREVIATION

AGMU	ARCHITECTURAL CONCRETE MASONRY UNIT
AGT	AGOUSTICAL CEILING TILE
APC	AGOUSTICAL PANEL CEILING
BRK	BRICK
CBB	CEMENT BACKER BOARD
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
EPT	EPOXY PAINT
ETERR	EPOXY TERRAZZO
ETR	EXISTING TO REMAIN
EXP	EXPOSED
FAC/FF	FACTORY FINISH
FBP	FIBERBOARD PANEL
FRT	FIRE RETARDENT TREATED MATERIAL
GWB	GYPSUM WALL BOARD
HPC	HIGH PERFORMANCE COATING
MWC	MAGNETIC WALLCOVERING
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNT	PAINT
RB	RUBBER BASE
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SC	STAGE CURTAIN
SCF	SPECIAL CONCRETE FINISH
SCONC	SEALED CONCRETE
SS	SOLID SURFACE
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
WD	WOOD
WM	WALK-OFF MAT
WT	WOOD TRIM
WV	WOOD VENEER
X-	EXISTING

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. MATCH EXISTING ADJACENT FINISH.
3. ALL ELECTRIC, MECHANICAL COMPONENTS AND TELEPHONE PANELS EXPOSED IN A ROOM TO MATCH WALL COLOR.
4. ALL NEW GWB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED.
5. NEW HM DOORS, DOOR FRAMES AND WINDOW FRAMES AND ETR CORRIDOR DOOR & WINDOW FRAMES AS SCHEDULED ON A600 SERIES DRAWINGS.
6. REFER TO A600 DRAWINGS FOR CEILING SCOPE, TYPES & LOCATIONS INCLUDING SUSPENDED AGOUSTICAL CEILING TILE SYSTEMS.
7. EXISTING TERRAZZO, WALL BASE & PAINT TO REMAIN. INFILL AREA EFFECTED BY DEMOLITION WITH NEW EPOXY TERRAZZO, WALL BASE & PAINT TO MATCH EXISTING AS REQUIRED. FLASH PATCHING AS REQUIRED TO EXISTING SLAB.
8. STONE WALL FINISH TO REMAIN.

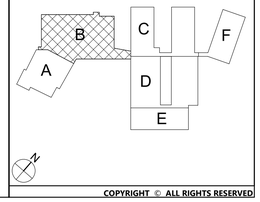
FINISH KEYS

Room Name
101
Wall Finish
Base Finish
Floor Finish
ROOM FINISH TAG

PNT-# ACCENT PAINT LOCATION

- LVT

KEY PLAN



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CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

Project Title

REGISTERED ARCHITECT JOHN M. RITZENTHALER STATE OF NEW YORK 023345

Expiration Date: 02/28/2025

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Sheet Title
AREA 'B' - PARTIAL FIRST FLOOR FINISH PLAN

Sheet No.
ALMS
AF112

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
- AD — ACCESS DOOR (BOTTOM SHOWN)
- ACCESS DOOR (SIDE SHOWN)
- ACOUSTIC LINED DUCTWORK (SIZE INDICATES INSIDE DUCT DIMENSIONS)
- M — AUTOMATIC TEMPERATURE CONTROL DAMPER
- 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

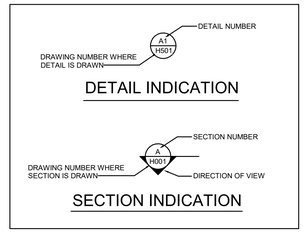
- HWS — HOT WATER SUPPLY (BELOW 250° F)
- HWR — HOT WATER RETURN (BELOW 250° F)
- CWS — CHILLED WATER SUPPLY
- CWR — CHILLED WATER RETURN
- HPWS — HEAT PUMP WATER SUPPLY
- HPWR — HEAT PUMP WATER RETURN
- RL — REFRIGERANT LIQUID
- RS — REFRIGERANT SUCTION
- RHG — REFRIGERANT HOT GAS
- DTWS — DUAL TEMP 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



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.

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
ALMS-CU-A	ALMS-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.

HEAT PUMP SCHEDULE

TAG	ASSOCIATED CONDENSING UNIT	UNIT STYLE	SERVICE	CFM (LOW-HIGH)	OA CFM	COOLING EXT S.P.	COOLING OAT (F)	COOLING EAT DB	COOLING EAT WB	COOLING MAXIMUM (MBH)	HEATING MINIMUM (MBH)	HEATING OAT (F)	HEATING EAT DB	HEATING MAXIMUM (MBH)	ELECTRICAL VOLTS	ELECTRICAL PH	ELECTRICAL MCA	MANUFACTURERS TRANE / MITSUBISHI	REMARKS
ALMS-HP-1	ALMS-CU-1	CEILING CASSETTE	SECURITY OFFICE 43	230 - 335	20	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.

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
ALMS-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.

ELECTRIC FIN RADIATION SCHEDULE

TAG	STYLE	HEATING ELEMENT TOTAL WATTS	HEATING ELEMENT VOLTS	HEATING ELEMENT PH	HEATING ELEMENT WATTS/FT	ENCLOSURE DEPTH	ENCLOSURE HGT.	ENCLOSURE MTG/HT	ENCLOSURE OUTLET	ENCLOSURE LENGTH	MANUFACTURERS QMARK	REMARKS
ALMS-EFT-1	PEDESTAL	1000	208	1	125	3"	5.5"	3" AFF	TOP	8'	CPH05A	1,2

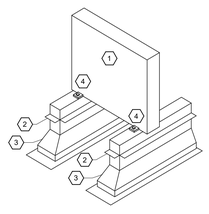
REMARKS:
1. PROVIDE UNIT MOUNTED DISCONNECT AND INTEGRAL THERMOSTAT.
2. PROVIDE ALL NECESSARY MOUNTING AND TRIM ACCESSORIES.

VENTILATION SCHEDULE

ROOM	ROOM NUMBER	OCCUPANCY CATEGORY	AREA (SF)	DEFAULT VALUES PEOPLE OUTDOOR AIR RATE (Rp) (CFM/PERSON)	DEFAULT VALUES 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	43	OFFICE SPACE	131	5	0.06	5	1	5	8	13	0.8	16	20

ABBREVIATION LEGEND

ABBREVIATION	DESCRIPTION
A	
ACC	AIR-COOLED CONDENSER
ACCU	AIR-COOLED CONDENSING UNIT
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



1. AIR COOLED CONDENSING UNIT
2. COUNTER FLASHING OVER TREATED WOOD NAILER
3. WELDED GALVANIZED STEEL EQUIPMENT RAIL (MIN. 24" HIGH), MIN. 18 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.

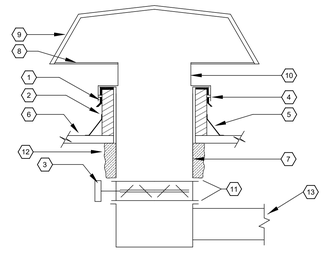
WIND RESTRAINT ENGINEERING CALCULATIONS AND DETAILS SHALL PROVIDE THE QUANTITY OF ATTACHMENTS AND SIZE/TYPE OF ATTACHMENTS FOR THE MOUNTING OF SUPPORT RAIL TO THE BUILDING STRUCTURE, AND FOR ATTACHMENT OF THE EQUIPMENT TO THE SUPPORT RAIL.

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:

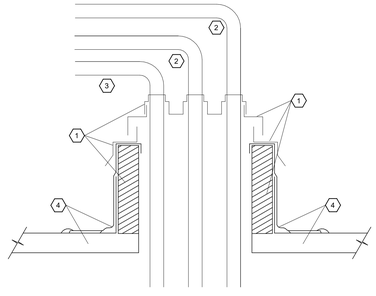
ULTIMATE DESIGN WIND SPEED, V	126 MPH
EXPOSURE CATEGORY	B
RISK CATEGORY	III
HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENT (1) BUILDING HEIGHT LESS THAN 60 FT.	N/A (1)

1 M001 Roof Mounted Condensing Unit Support - Single Unit
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

2 M001 Fresh Air Intakes And Air Relief Vents 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.

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

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Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

STATE OF NEW YORK · CLIFTON BENEDICT JR. · 089635 · LICENSED PROFESSIONAL ENGINEER
EXP:11/30/2025

#	DATE	DESCRIPTION

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Sheet Title
Mechanical Legends, Details and Schedules

Sheet No.
ALMS M001

CONSTRUCTION DOCUMENTS

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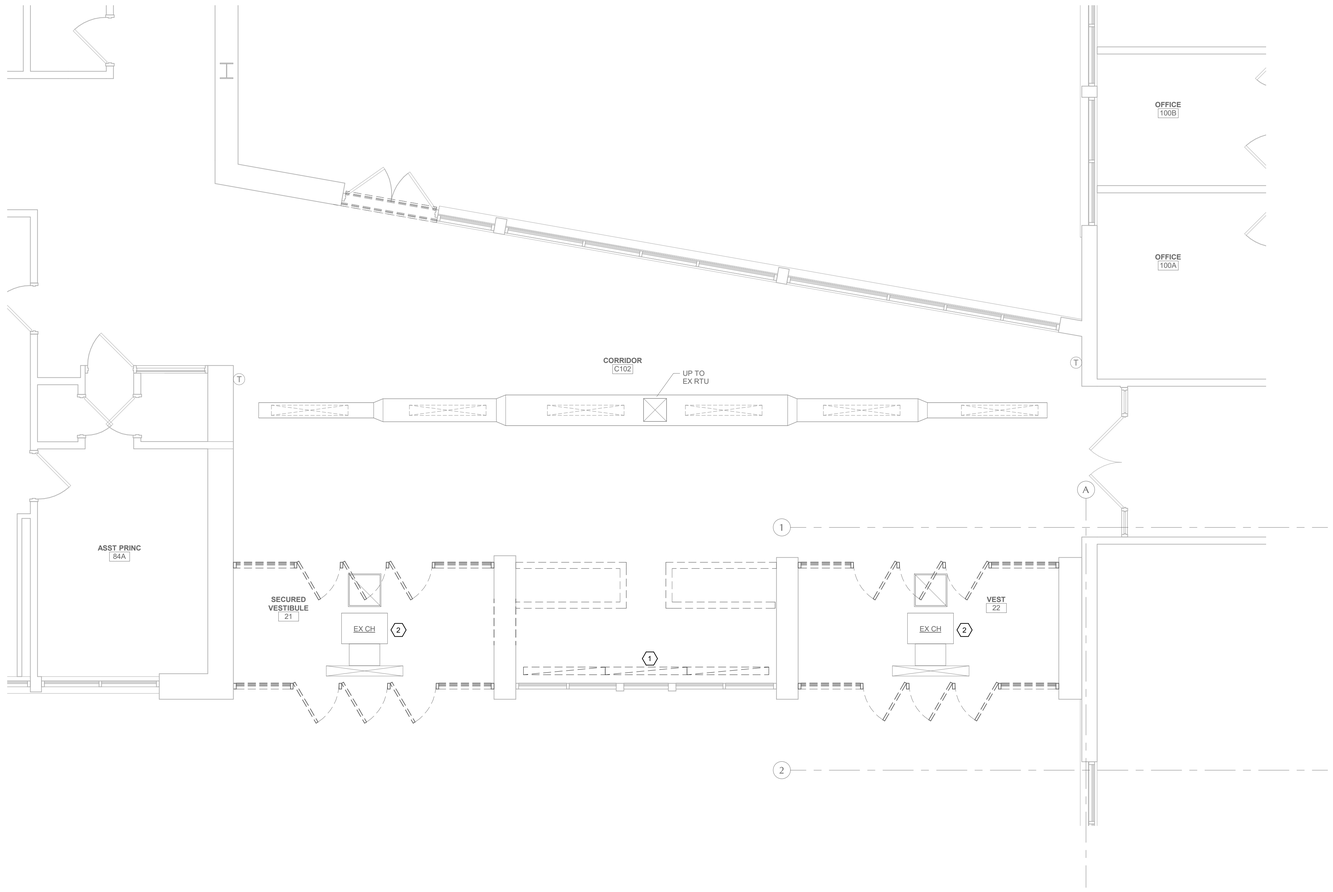


1 MD101 Mechanical First Floor Plan - Removals
1/4" = 1'-0"

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

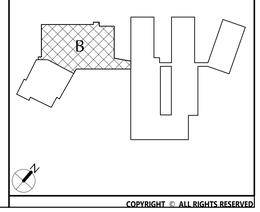
I. COORDINATE THIS PLAN WITH NEW WORK PLAN.

CODED REMOVALS NOTES

1. DISCONNECT, REMOVE AND SALVAGE EXISTING LINEAR RETURN GRILLE. REFER TO NEW WORK PLAN FOR NEW LOCATION OF EXISTING GRILLE.

2. EXISTING CONCEALED CEILING CABINET HEATER AND CONTROLS TO REMAIN. REMOVE AND SALVAGE EXISTING LINEAR SUPPLY DIFFUSER AND RETURN GRILLE TO ACCOMMODATE NEW CEILING INSTALLATIONS.

KEY PLAN



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Sheet Title
Mechanical Removals Plan

Sheet No.
ALMS MD101

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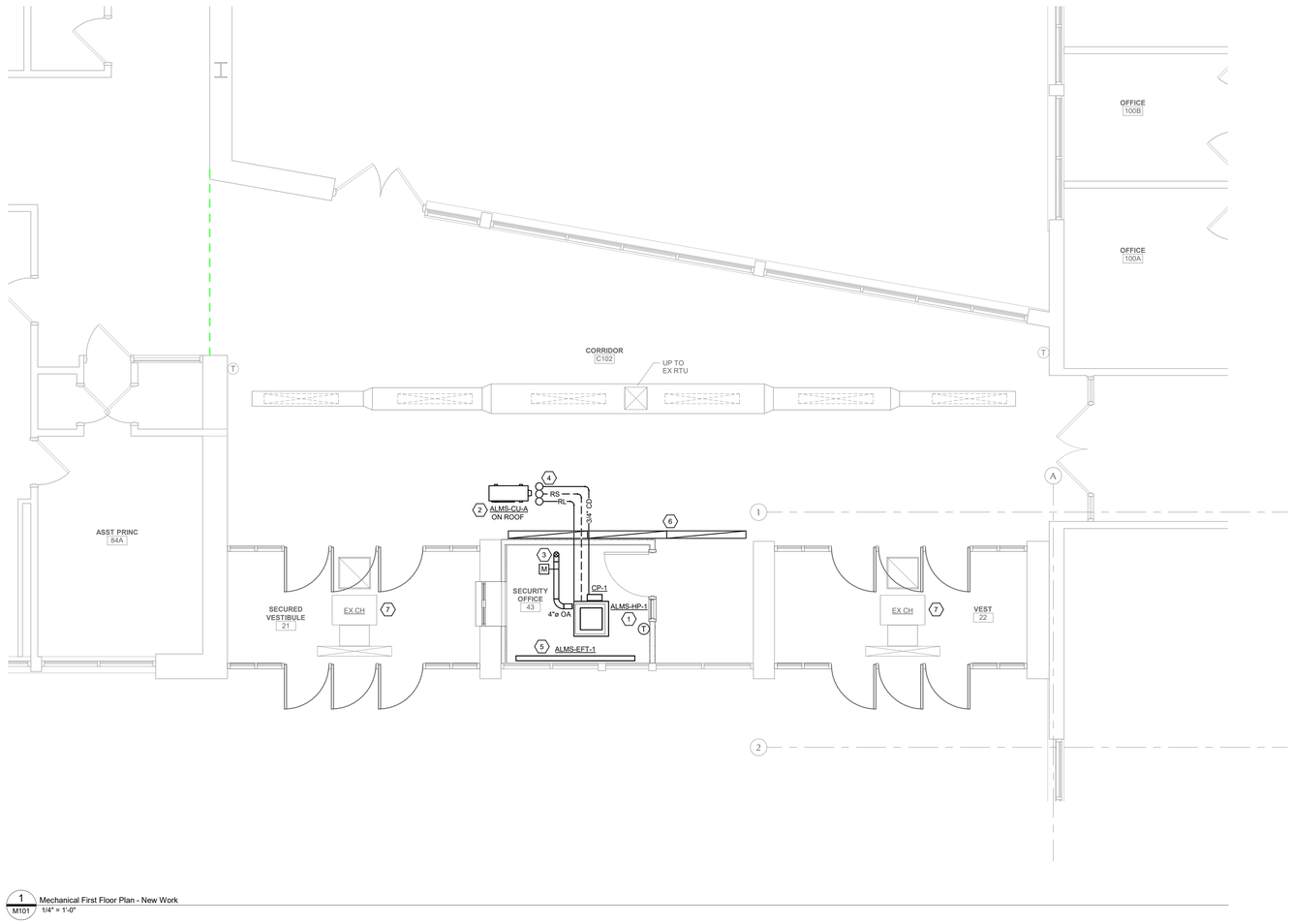


1 M101 Mechanical First Floor Plan - New Work
1/4" = 1'-0"

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.

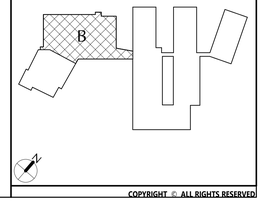
I. ALL EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS, AND PIPING SHOWN WITH LIGHT LINE WEIGHT IS EXISTING TO REMAIN.

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 PEDESTAL MOUNTED ELECTRIC FIN RADIATION ALONG WINDOW.
6. REINSTALL EXISTING SALVAGED LINEAR SLOT RETURN GRILLE IN NEW LOCATION. THOROUGHLY CLEAN BEFORE INSTALLATION.
7. EXISTING CONCEALED CEILING CABINET HEATER AND CONTROLS TO REMAIN. THOROUGHLY CLEAN EXISTING LINEAR SUPPLY DIFFUSER AND RETURN GRILLE, AND REINSTALL IN NEW CEILING.

KEY PLAN



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Mechanical
New Work Plan

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ALMS
M101

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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
U/ON	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

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

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)

ELECTRICAL DRAWING LIST

E001	ELECTRICAL LEGEND AND ABBREVIATIONS
ED101	FIRST FLOOR AREA B ELECTRICAL REMOVALS PLAN
E101	FIRST FLOOR AREA B ELECTRICAL NEW WORK PLAN

LIGHTING FIXTURES

FIXTURE IDENTIFICATION

A1 / a — FIXTURE TYPE INDICATED ADJACENT TO OR NEAR FIXTURE SYMBOL; 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 F FIRE ALARM STROBE (WALL/CEILING MOUNT)
- F F FIRE ALARM HORN/STROBE (WALL/CEILING MOUNT)
- F 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
- S LINEAR BEAM SMOKE DETECTOR (T,R: 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 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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ALBERT LEONARD MIDDLE SCHOOL
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Project Title

STATE OF NEW YORK — CURTIS BENEDICT — LICENSED PROFESSIONAL ENGINEER — 089636
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ELECTRICAL LEGEND AND ABBREVIATIONS

Sheet No.
ALMS
E001

CONSTRUCTION DOCUMENTS

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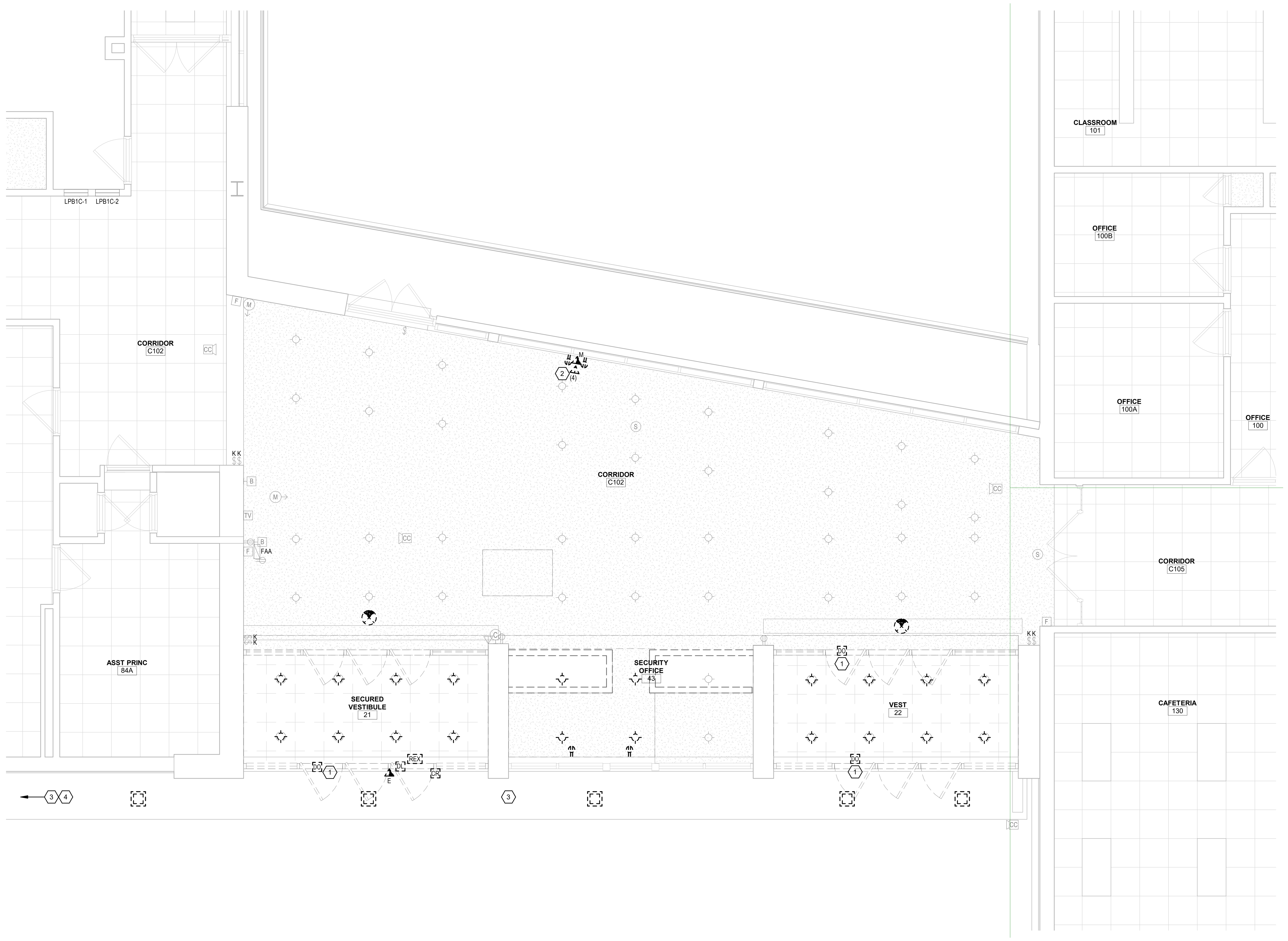


1 ED101 FIRST FLOOR PARTIAL AREA B - ELECTRICAL REMOVALS PLAN
1/4" = 1'-0"

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.

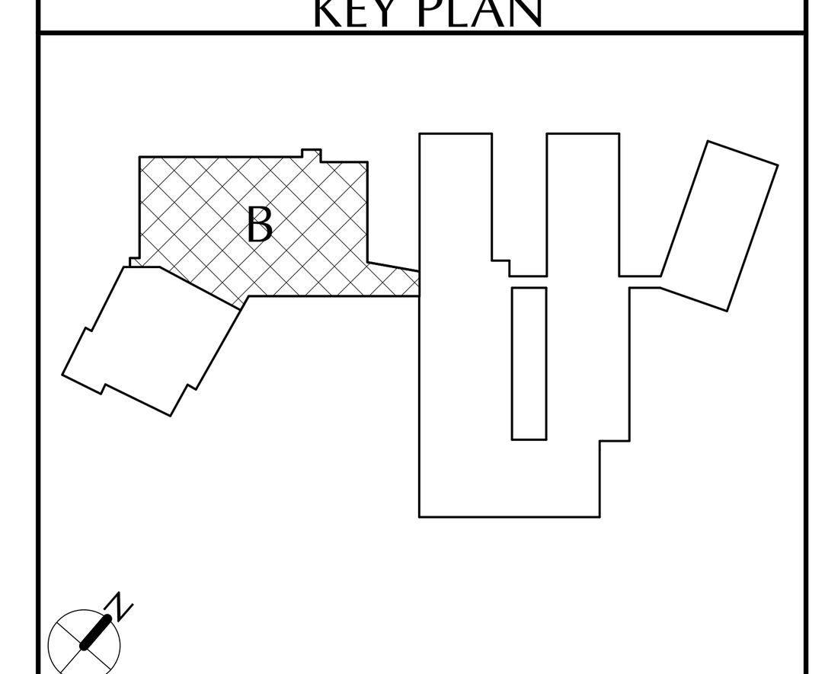
D. "RX": INDICATES RELOCATE EXISTING ELECTRICAL ITEM. SEE DRAWING E101 FOR CORRESPONDING NEW LOCATION.

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 IN SECURED VESTIBULE 21 PER DWG. E101.
2. REMOVE EXISTING POWER/TELECOM RACEWAY STRIP AND ALL ASSOCIATED RECEPTS. OUTLETS AND WIRING, ETC.
3. DISCONNECT AND REMOVE EXISTING SURFACE LIGHTING FIXTURES ALONG SOFFIT. RETAIN EXISTING 120V LIGHTING CIRCUIT FOR REUSE PER DWG. E101.
4. DISCONNECT AND REMOVE APPROXIMATELY EIGHT ADDITIONAL FIXTURES ALONG SOFFIT (NOT SHOWN).

KEY PLAN



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Project Title
CITY SCHOOL DISTRICT OF NEW ROCHELLE
ALBERT LEONARD MIDDLE SCHOOL
2023 CAPITAL PROJECTS - PHASE 1

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

#	DATE	DESCRIPTION

Drawn By:	JBM/PF
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Proj. #:	66-11-00-01-0-002-016
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Sheet Title
FIRST FLOOR AREA B ELECTRICAL REMOVALS PLAN

Sheet No.
ALMS ED101

CONSTRUCTION DOCUMENTS

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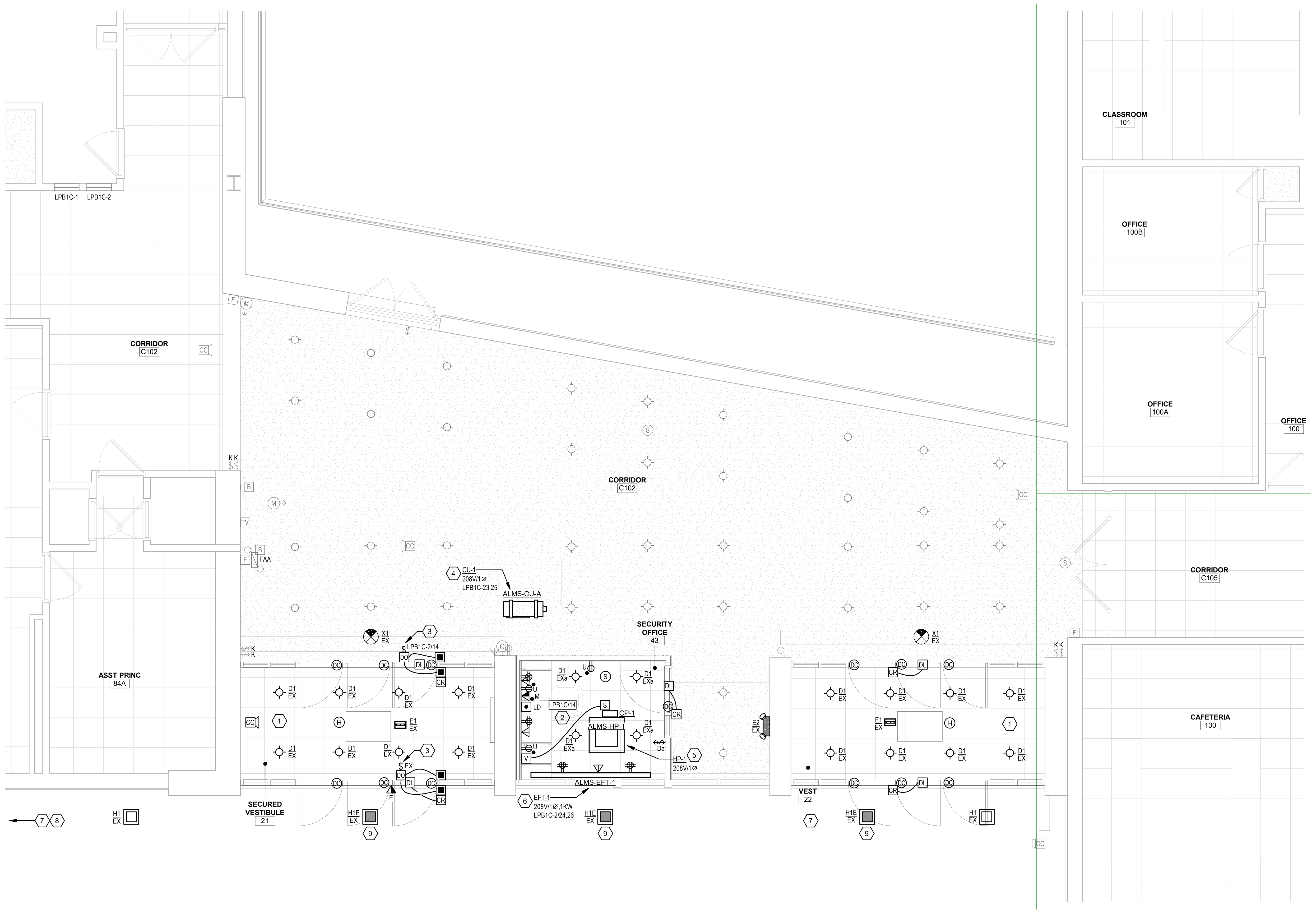


1 E101 FIRST FLOOR PARTIAL AREA B - ELECTRICAL NEW WORK PLAN
1/4" = 1'-0"

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.

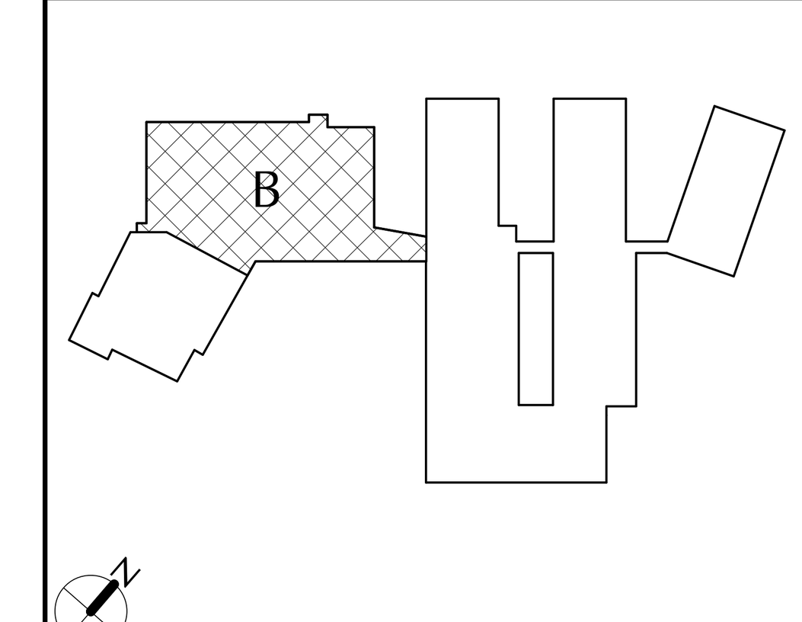
I. SECURITY SYSTEMS DEVICES/STATIONS: FOR EACH, PROVIDE MINIMUM 4" SQUARE X 2-1/2" DEEP BOX WITH SINGLE-GANG EXTENSION RING AND BLANK COVERPLATE, AND 3/4" C. FROM BOX STUBBED UP TO NEAREST ACCESSIBLE CEILING SPACE. REAM AND BUSH CONDUIT STUB AND PROVIDE NYLON PULL STRING. CONFIRM REQUIRED OUTLET BOX 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 VESTIBULE LIGHTS TO EXISTING KEY SWITCH (CONFIRM SWITCH LOCATION), EXCEPT CONNECT EMERGENCY LIGHTNG UNIT TO SAME CIRCUIT, AHEAD OF SWITCH.
2. CONNECT ALL RECEPTS IN THIS ROOM TO INDICATED EXISTING 120V, 20A/1P SPARE (FIELD CONFIRM) CIRCUIT BREAKER IN EXISTING PANELBOARD.
3. CONNECT DOOR OPERATOR TO EXISTING 120V, 20A/1P DOOR OPERATOR CIRCUIT MADE AVAILABLE FROM REMOVALS WORK IN VESTIBULE 22 (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. (REMOVE EXISTING CIRCUIT BREAKERS IN SAME POLE POSITIONS; FIELD CONFIRM SPARE).
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 ELECTRIC FIN TUBE HEATER TO INDICATED NEW 208, 20A/2P CIRCUIT BREAKER IN EXISTING PANELBOARD (REMOVE EXISTING CIRCUIT BREAKERS IN SAME POLE POSITIONS; FIELD CONFIRM SPARE).
7. CONNECT ALL NEW TYPE "H1, H1E" FIXTURES TO EXISTING 120V SOFFIT LIGHTING CIRCUIT.
8. PROVIDE AND CONNECT APPROXIMATELY EIGHT ADDITIONAL TYPE "H1" SOFFIT LIGHTS (NOT SHOWN).
9. 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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ALMS E101

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