

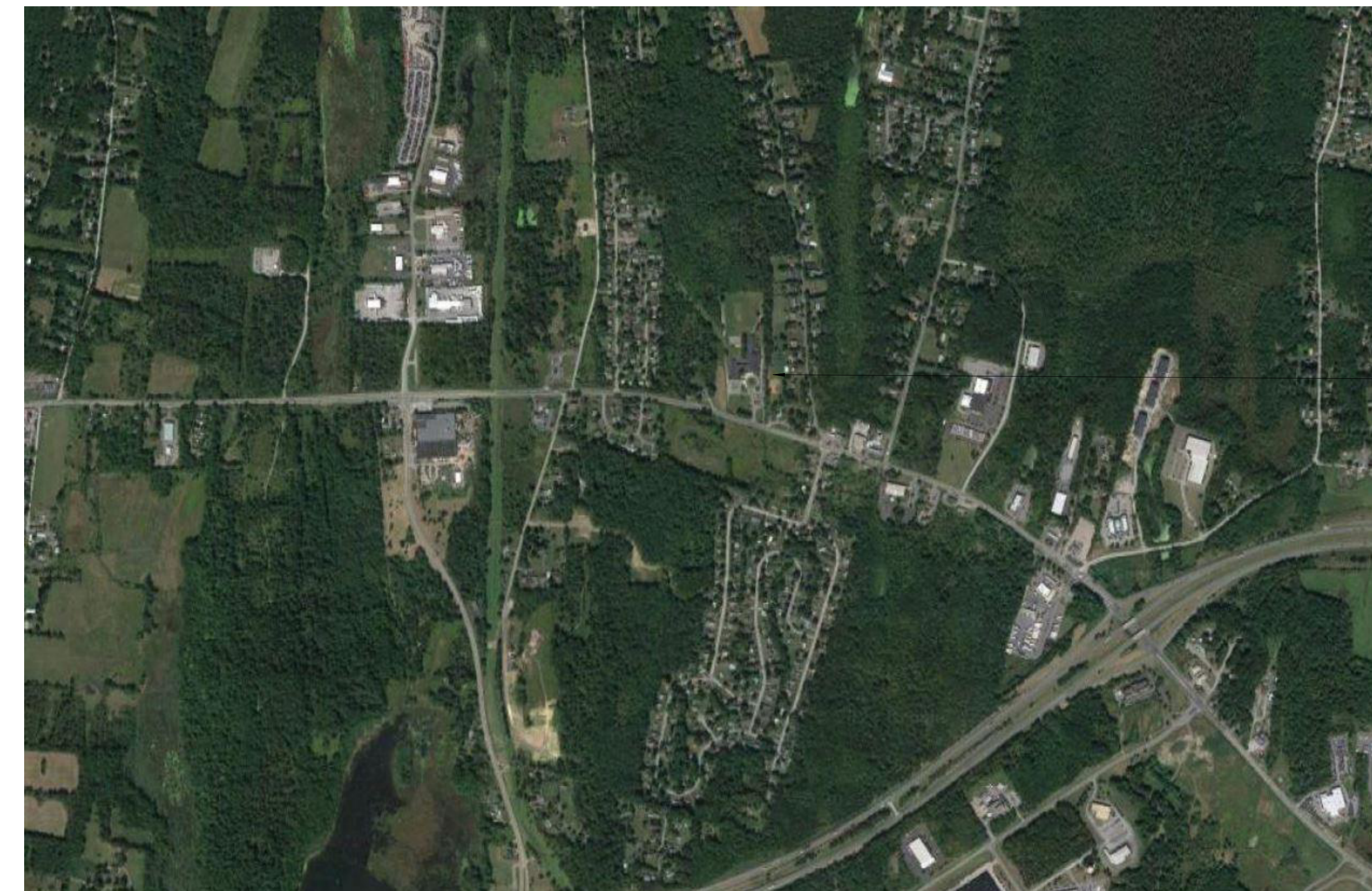
VALLEY CENTRAL SCHOOL DISTRICT EAST COLDENHAM ELEMENTARY SCHOOL 2023 CAPITAL PROJECT - PHASE 1

ISSUED FOR BID: 10/18/24

CSARCH - ARCHITECTS
BLAKE ENGINEERING, PLLC - M.E.P. ENGINEERS
PASSERO ASSOCIATES - SITE/CIVIL AND STRUCTURAL ENGINEERS
AECC ENVIRONMENTAL CONSULTING - HAZARDOUS MATERIALS DESIGNERS

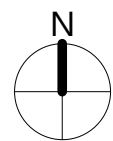
STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
2023 CAPITAL PROJECT - PHASE 1 44-13-01-06-0-013-019
THE DESIGN OF THIS PROJECT CONFORMS TO APPLICABLE PROVISIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE, AND THE MANUAL OF PLANNING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.

CSArch PROJECT NO. 187-2302.01



VICINITY MAP

NTS



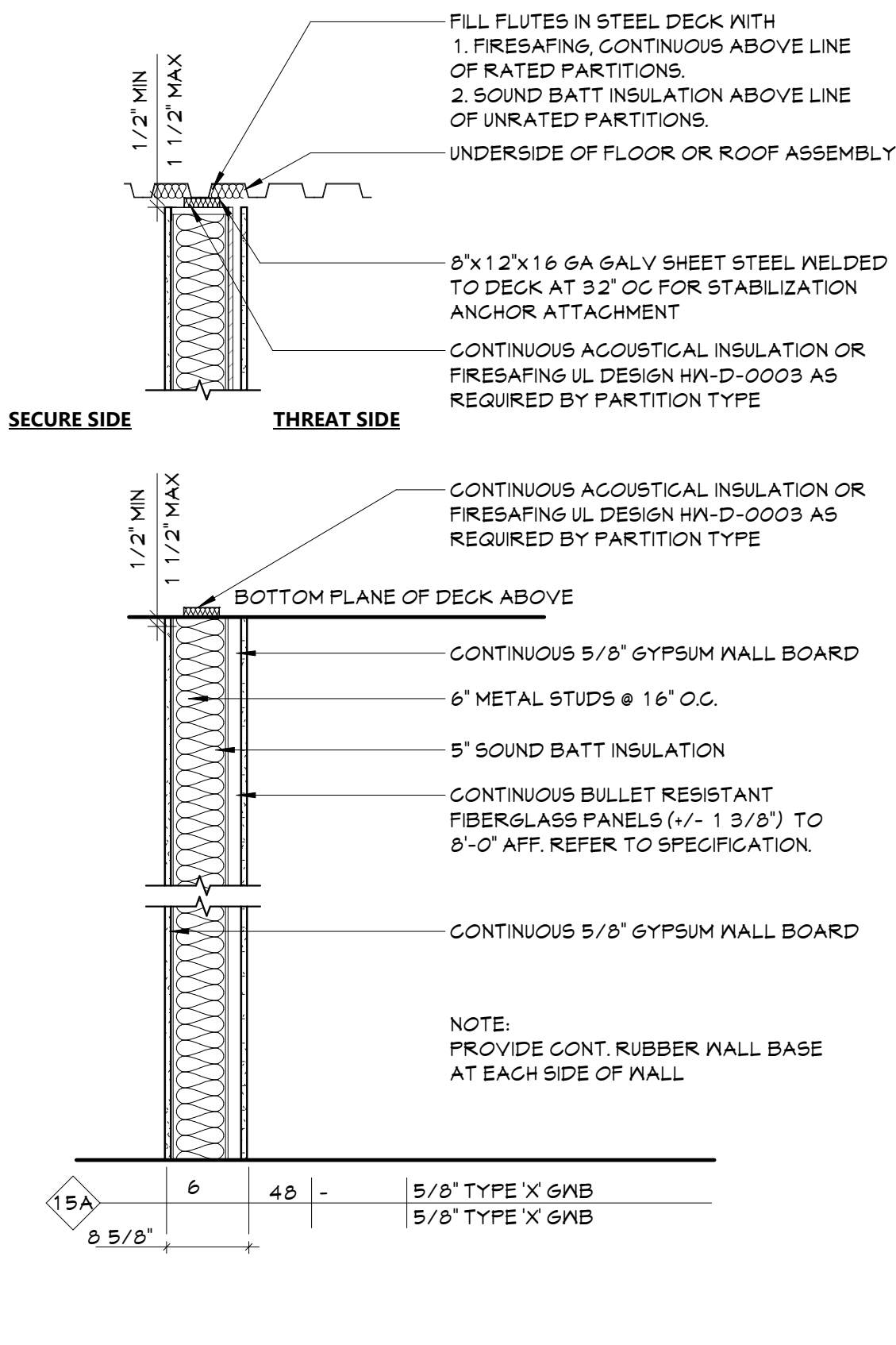
East Coldenham Elementary
286 NY-17K
Newburgh, NY 12550



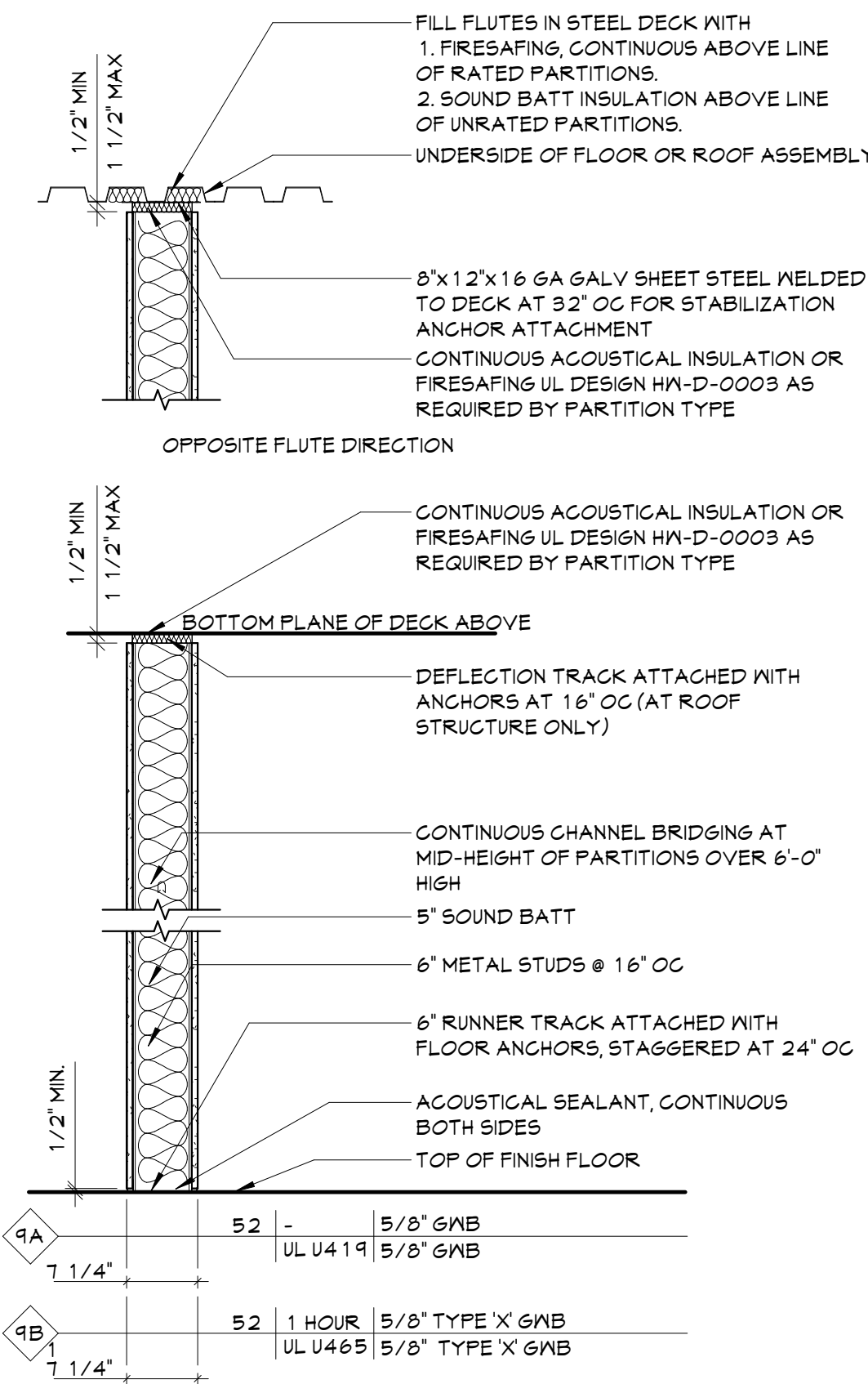
EXPIRATION DATE: 02/28/2025

VOLUME 2 OF 8

DRAWING LIST	
GENERAL DRAWINGS	
ECES G000	COVER & SHEET INDEX
ECES G001	SYMBOLS, ABBREVIATIONS, MISC. AND PARTITION TYPES
ECES G111	OVERALL FLOOR PLAN - FIRST FLOOR
LIFE SAFETY DRAWINGS	
ECES LS111	LIFE SAFETY PLAN - FIRST FLOOR
ECES LS112	SMOKE ZONE PLANS
ARCHITECTURAL DEMOLITION DRAWINGS	
ECES AD111	ENLARGED REMOVAL PLAN AND RCP
ARCHITECTURAL DRAWINGS	
ECES A111	ENLARGED FLOOR PLAN, RCP, AND DETAILS
ECES A201	EXTERIOR ELEVATIONS
ECES A202	EXTERIOR ELEVATIONS
ECES A901	DOOR, WINDOW, & STOREFRONT DETAILS
MECHANICAL GENERAL DRAWINGS	
ECES M001	MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS
MECHANICAL DEMOLITION DRAWINGS	
ECES MD111	MECHANICAL DEMOLITION PLAN
MECHANICAL DRAWINGS	
ECES M111	MECHANICAL PLAN
ELECTRICAL GENERAL DRAWINGS	
ECES E001	ELECTRICAL NOTES, LEGENDS, DETAILS & SCHEDULES
ELECTRICAL DEMOLITION DRAWINGS	
ECES ED111	ELECTRICAL DEMOLITION PLAN
ELECTRICAL DRAWINGS	
ECES E111	ELECTRICAL PLAN



2 PARTITION TYPE '15A'
A701 3/4" = 1'-0"



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

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
CLS	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
ELV	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-RETARDANT-TREATED MATERIAL
FTG	FOOTING
G	GROUND
GA	GAUGE
GAL	GALLON(S)
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GMB	GYPSUM WALL BOARD
GMBB	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	FOUND
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
NC	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
STRUC	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAC	SUSPENDED ACOUSTICAL CEILING
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TECH	TECHNOLOGY
TEMP	TEMPORARY
TMPD	TEMPERED
TOH	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
WFT	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 ROOM NAME

100 ROOM NUMBER

000 SF AREA OF ROOM

A100 DOOR NUMBER, REFER TO A100 DRAWINGS

1 WINDOW TAG, REFER TO A100 DRAWINGS

B11 BORROWED LIGHT NUMBER, REFER TO A100 DRAWINGS

B1 STOREFRONT / CURTAINWALL NUMBER, REFER TO A100 DRAWINGS

1 COLUMN GRID DESIGNATION

1 PARTITION TAG, REFER TO A100 DRAWINGS

1 HOUR RATING OF PARTITION

ADDITIONAL NOTES FOR PARTITION

REVISION NUMBER

1 KEY NOTE, NEW WORK

1 KEY NOTE, DEMOLITION WORK

2'-0" ELEVATION TAG

6 HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE

ROOM NAME

101 INTERIOR FINISH TAG, REFER TO A100 DRAWINGS

101 MALL FINISH

101 BASE FINISH

101 FLOOR FINISH

DETAIL INDICATOR LEGEND

SECTION INDICATOR

DRAWING SHEET NUMBER SECTION IS DRAWN ON

SECTION NUMBER

DIRECTION OF VIEW

DETAIL INDICATOR (SECTION)

DRAWING SHEET NUMBER SECTION IS DRAWN ON

SECTION NUMBER

DIRECTION OF VIEW

ENLARGED DETAIL INDICATOR

DRAWING AREA REQUIRING DETAIL

DETAIL NUMBER

DRAWING SHEET NUMBER DETAIL IS DRAWN ON

DETAIL TITLE

DETAIL NUMBER

DETAIL TYPE / NAME

1 FLOOR PLAN

1/8" = 1'-0"

SCALE

DRAWING SHEET NUMBER

EXTERIOR ELEVATION INDICATOR

DIRECTION OF VIEW

ELEVATION NUMBER

DRAWING SHEET NUMBER DETAIL IS DRAWN ON

INTERIOR ELEVATION INDICATOR

BLANK ARROW INDICATES ELEVATIONS NOT DETAILED

DRAWING SHEET NUMBER DETAIL IS DRAWN ON

ELEVATION NUMBER

DIRECTION OF VIEWS

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.

18" MIN

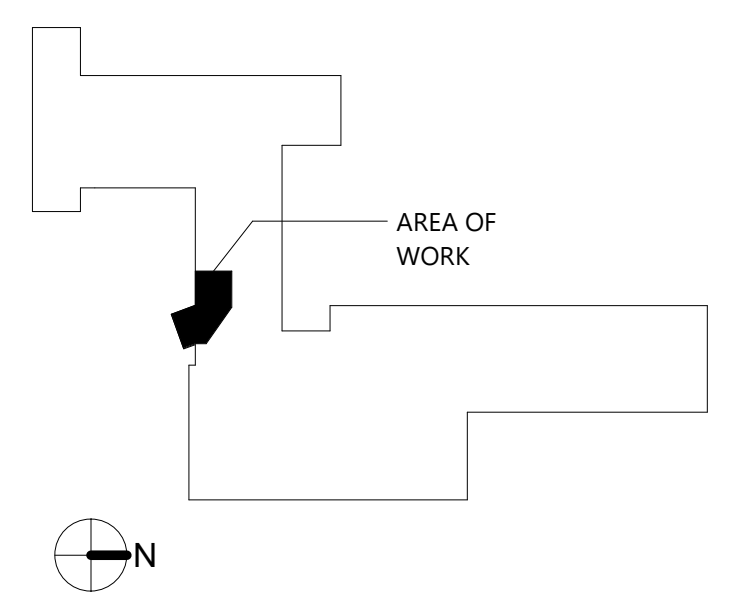
6"

1/2"

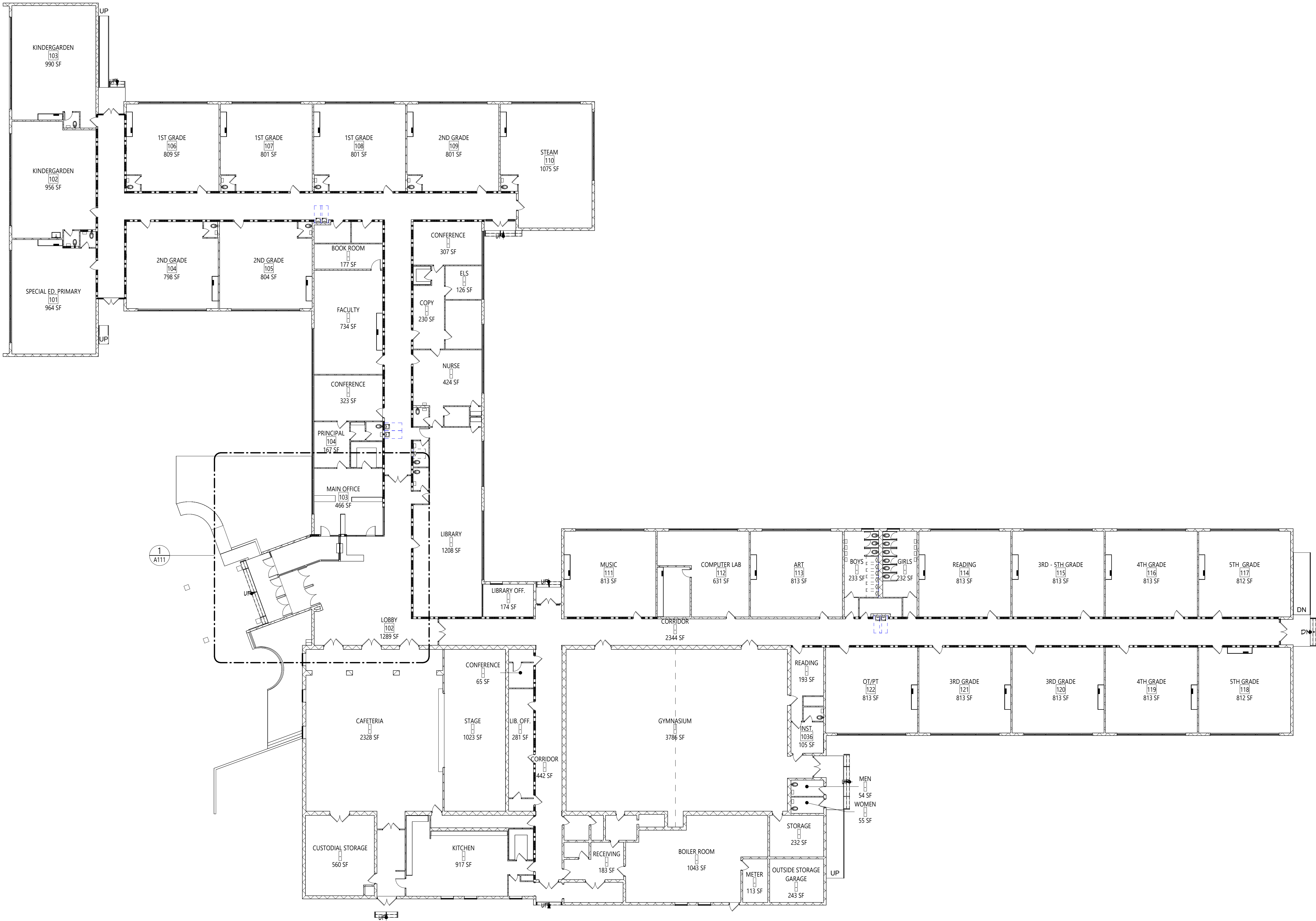
GENERAL NOTES

- DIMENSIONS ARE GIVEN THIS (UNLESS NOTED OTHERWISE)
 - TO FACE OF MASONRY WALL
 - TO FACE OF METAL STUD
 - TO COLUMN CENTERLINES
 - TO FINISH FACE OF SOFFIT OR CEILING
 - FACE OF EXISTING CONSTRUCTION
- 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
- WALLS ON COLUMN LINES ARE CENTERED, UNO
- 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.
- 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.
- ALL ELEVATIONS (X'-X") ARE REFERENCE FROM FIRST FLOOR ELEVATION
- ALL WOOD BLOCKING WITHIN 2'-0" OF GRADE SHALL BE PRESSURE TREATED
- ALL FLOOR PENETRATIONS SHALL BE SMOKE-SEALED AND /OR FIRE STOPPED. COORDINATE WITH MECHANICAL SMOKE / FIRE DAMPER REQUIREMENTS.
- FOR INTERIOR PARTITION TYPES, REFER TO DRAWING G001
- FOR DOOR SCHEDULE, REFER TO DRAWING A101
- FOR FINISH SCHEDULE, REFER TO DRAWING A111
- ALL EXPOSED SURFACES OF NEW PARTITIONS AND SOFFITS ARE TO BE FINISHED
- PROVIDE PATCH TO MATCH EXISTING FINISHES AT ALL WALL REMOVAL AREAS, COORDINATE WITH DEMOLITION DRAWINGS AND SPECIFICATIONS.
- ALL CONSTRUCTION SHOWN IS NEW UNLESS NOTED OTHERWISE

KEY PLAN



GENERAL DESIGN LOAD REQUIREMENTS			
LOADING TYPE	BUILDING CODE SECTION	OCCUPANCY/USE/LOCATION	REQUIRED
MINIMUM UNIFORM DISTRIBUTED LIVE LOADS	2020 BUILDING CODE OF NEW YORK STATE TABLE 1607.1	SCHOOLS - CLASSROOMS	40 PSI
		SCHOOLS - FIRST FLOOR CORRIDORS	100 PSI
		SCHOOLS - CORRIDORS ABOVE FIRST FLOOR	80 PSI
		OFFICE BUILDINGS - OFFICES	50 PSI
GROUND SNOW LOADS	2020 BUILDING CODE OF NEW YORK STATE FIGURE 1608.2	ROOFS - ORDINARY/FLAT (NON-OCCUPIABLE)	40 PSI
		ORANGE COUNTY MONTGOMERY, NY	40 PSI
FLAT ROOF SNOW LOADS	2020 BUILDING CODE OF NEW YORK STATE FIGURE 1608.2	ORANGE COUNTY MONTGOMERY, NY	28 PSI
DESIGN WIND SPEEDS	2020 BUILDING CODE OF NEW YORK STATE FIGURE 1609.3	RISK CATEGORY III MONTGOMERY, NY	130 VMFH



1 OVERALL FLOOR PLAN - FIRST FLOOR
G111 1/16" = 1'-0"

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VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



EXPIRATION DATE: 02/28/2025

REV	DATE	DESCRIPTION

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OVERALL
FLOOR PLAN -
FIRST FLOOR

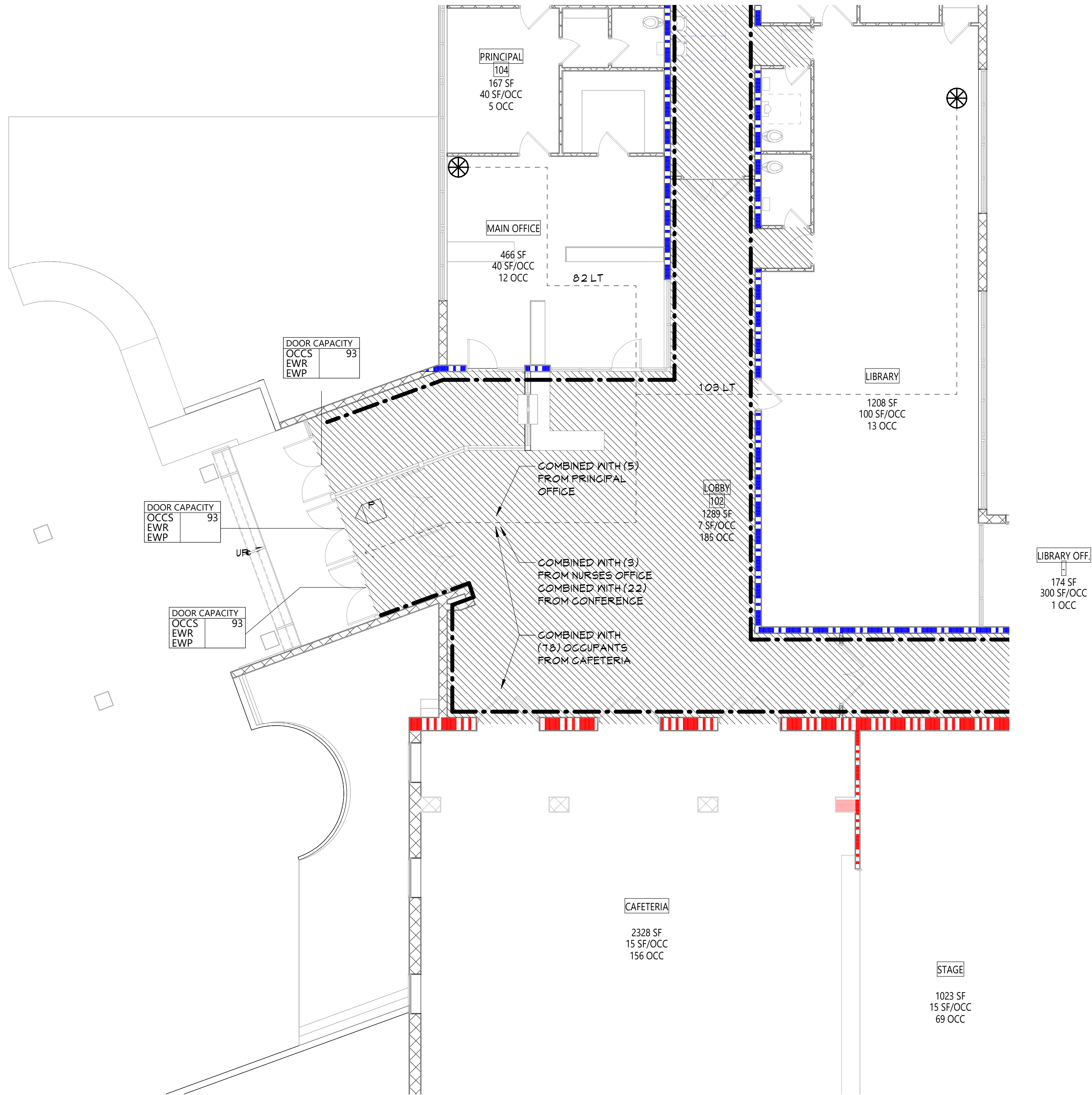
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G111

CONSTRUCTION DOCUMENTS

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1 FIRST FLOOR LIFE SAFETY PLAN - SECURITY VESTIBULE
LS111 1/8" = 1'-0"

LIFE SAFETY PLAN LEGEND	
	PRIMARY EXIT
	SECONDARY EXIT
	RESCUE WINDOW (SECONDARY EXIT)
	ACCESSIBLE EXIT
	RESCUE ASSISTANCE STATION/AREA OF REFUGE
	NUMBER OF OCCUPANTS PER TABLE 1004.1.2 (ACTUAL NUMBER OF OCCUPANTS)
	REQUIRED EXIT WIDTH FOR DOOR BASED ON (OCCUPANT * 0.2)
	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
ESB	EMERGENCY EYEWASH STATION
FE	FIRE EXTINGUISHER, WALL MOUNT
FCG	FIRE EXTINGUISHER CABINET

SMOKE SEPARATION LEGENDS	
	SMOKE BARRIER

FIRE SEPARATION LEGEND	
	1 HOUR RATED FIRE PARTITION
	1 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE BARRIER
	2 HOUR RATED FIRE WALL

GENERAL NARRATIVE:	
ORIGINAL CONSTRUCTION:	1968
CONSTRUCTION TYPE:	IB
FIRST FLOOR AREA:	43,781 SF GROSS
ADDITION CONSTRUCTION:	
CONSTRUCTION TYPE:	IB
FIRST FLOOR AREA:	3,145 SF GROSS
CLASSIFICATION OF WORK:	
	LEVEL 1 ALTERATION xxx SF
	LEVEL 2 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
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 CATEGORY: 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

A _a	ALLOWABLE AREA PER FLOOR (SQUARE FEET)	
A _t	TABULAR ALLOWABLE AREA FACTOR (NSI, S1513R 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 BUILDINGS STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE	
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.2	
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 _s	$I_s = IF/P - 0.25W/30$	$A_s = A_n / (NS \times I_s)$
	$I_s = [100/XX - 0.25] XX/30$	$A_s = XXX + (XXX \times 0.XX)$
	$I_s = [0.XX] 1.00$	$A_s = XXX + (XXX)$
	$I_s = XX\%$	$A_s = XXX \text{ sq ft.}$

KEY PLAN	
	AREA OF WORK
N	
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VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



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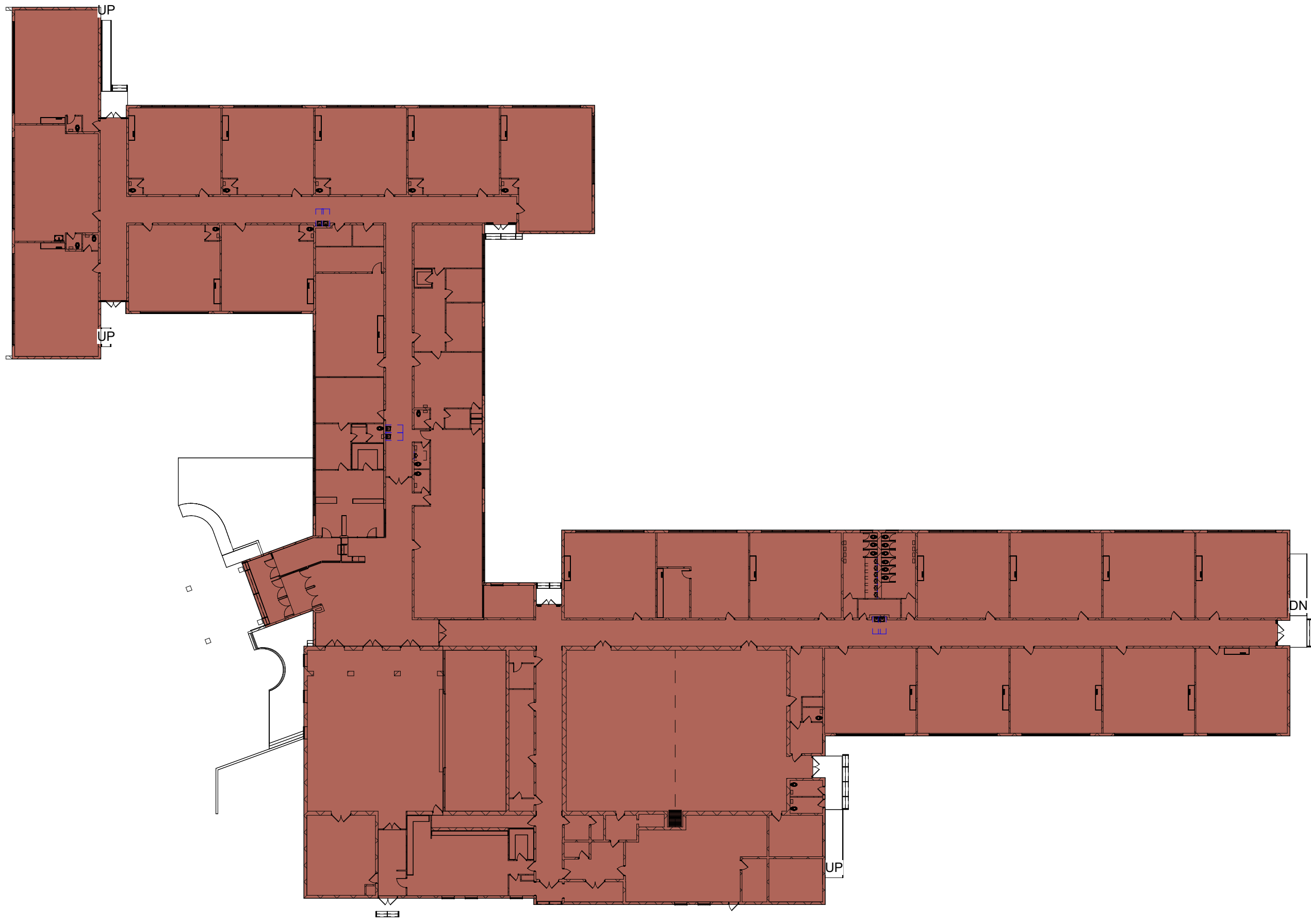
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Sheet Title
LIFE SAFETY
PLAN - FIRST
FLOOR

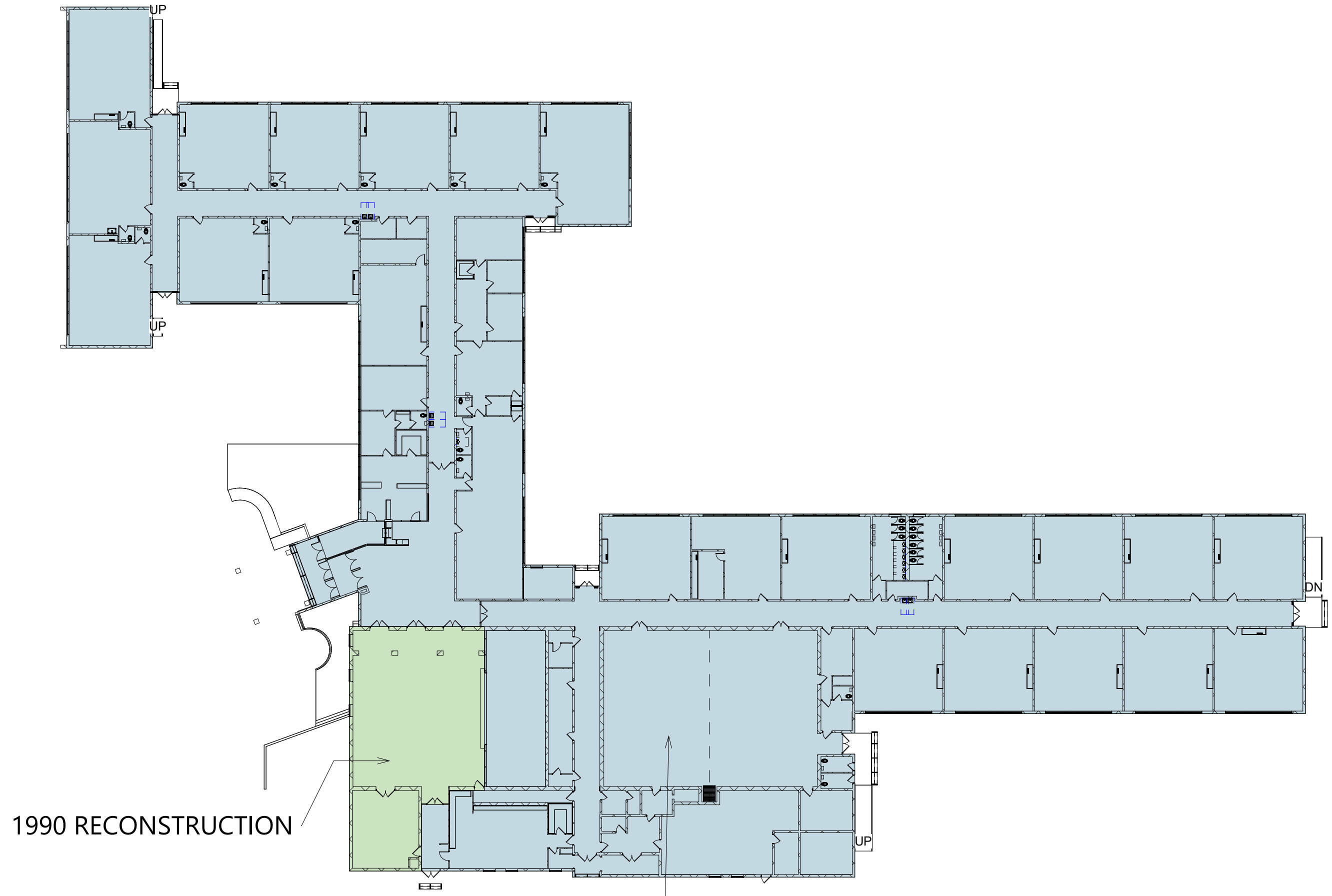
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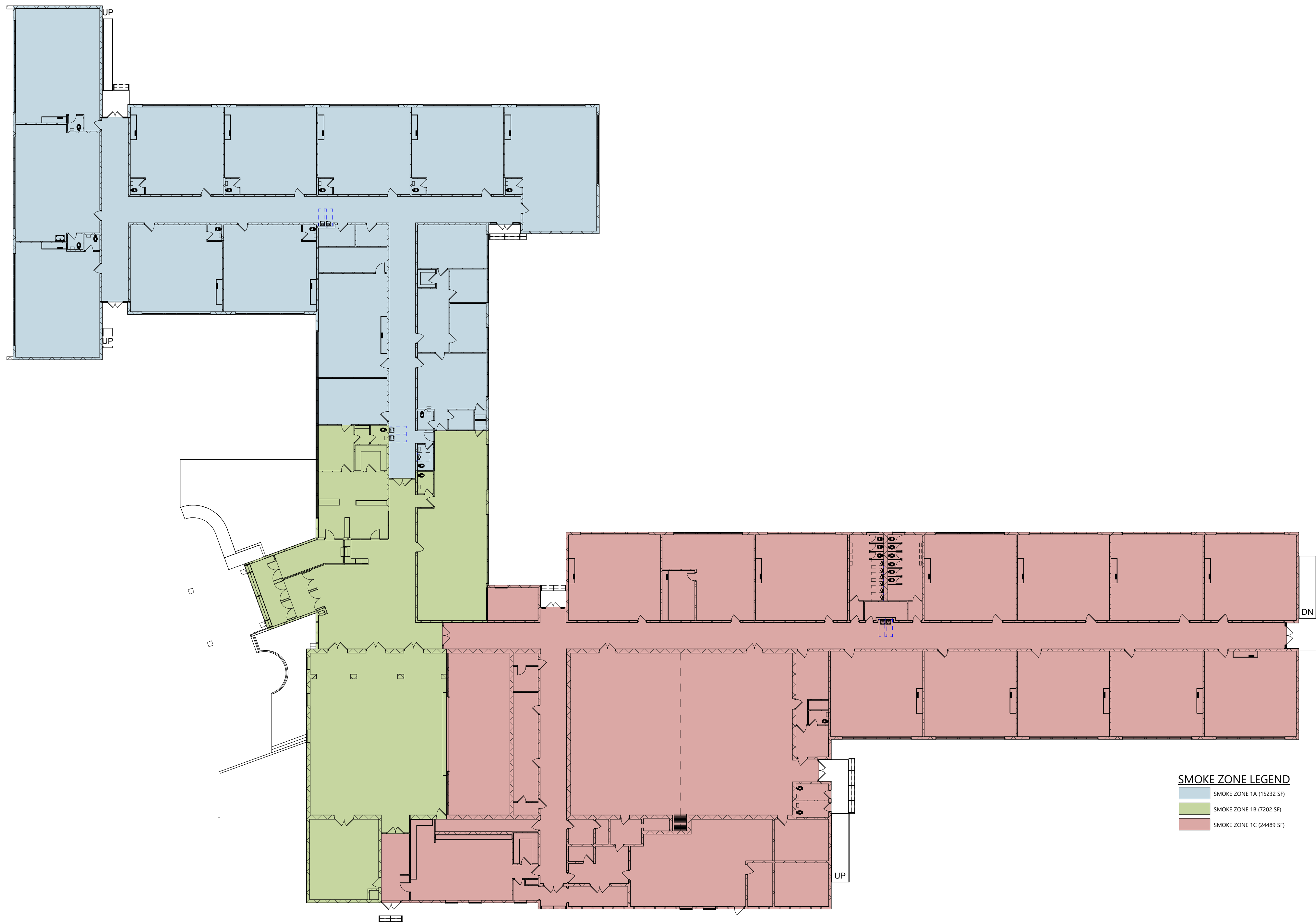
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3 FIRE ZONE PLAN
LS112 1/32" = 1'-0"



2 VINTAGE PLAN
LS112 1/32" = 1'-0"



SMOKE ZONE LEGEND
SMOKE ZONE 1A (15212 SF)
SMOKE ZONE 1B (7202 SF)
SMOKE ZONE 1C (24489 SF)

1 SMOKE ZONE FIRST FLOOR
LS112 1" = 20'-0"

VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

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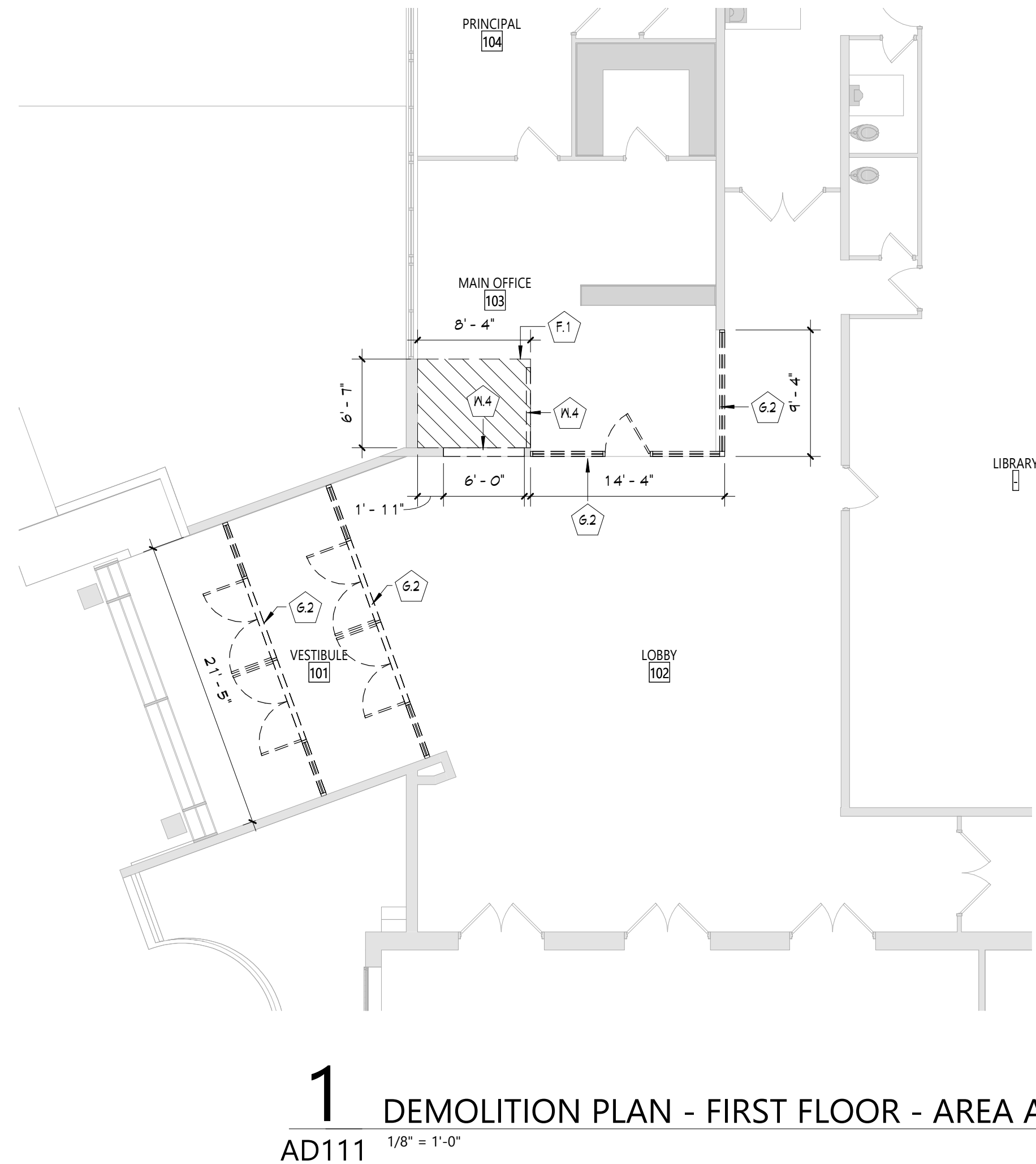
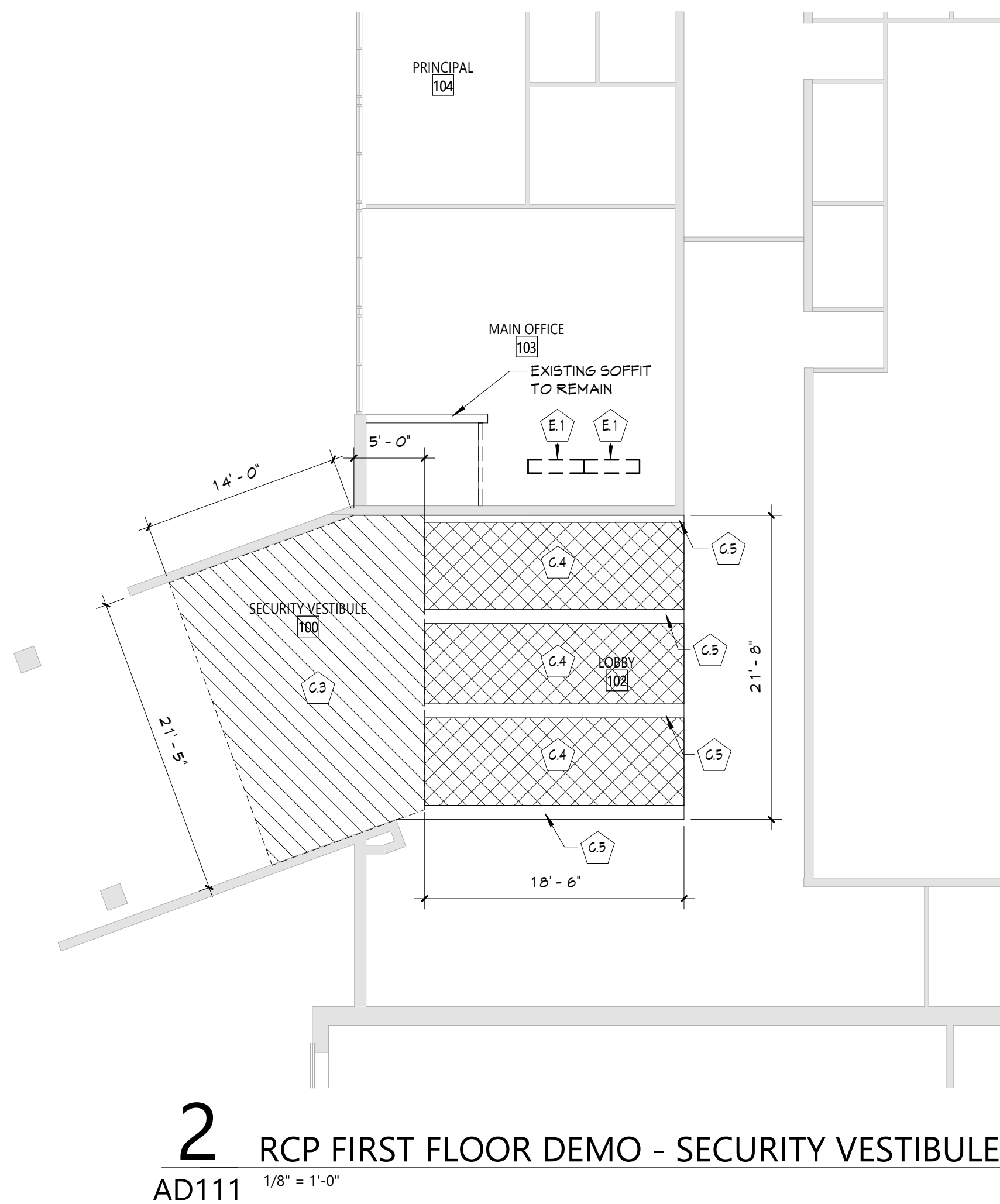
SMOKE ZONE
PLANS

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GENERAL 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 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 SANGUIT OPENING PRIOR TO SANGUITTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTE	
#	Description
G.3	REMOVE EXISTING SOFFIT SYSTEM IN ITS ENTIRETY.
G.4	REMOVE EXISTING SPLINE CEILING IN ITS ENTIRETY.
G.5	EXISTING BEAM TO BE PROTECTED DURING CONSTRUCTION.
E.1	LIGHTING REFER TO ELECTRICAL DRAWINGS.
F.1	REMOVE FLOOR FINISH, INCLUDING ALL PADDING, ADHESIVES AND WALL BASE, TO SLAB BELOW.
G.2	REMOVE STOREFRONT SYSTEM IN ITS ENTIRETY, INCLUDING ALL SILL, FLASHING, AND FASTENERS.
PL.4	REMOVE WALL TO THE EXTENT SHOWN.

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VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1



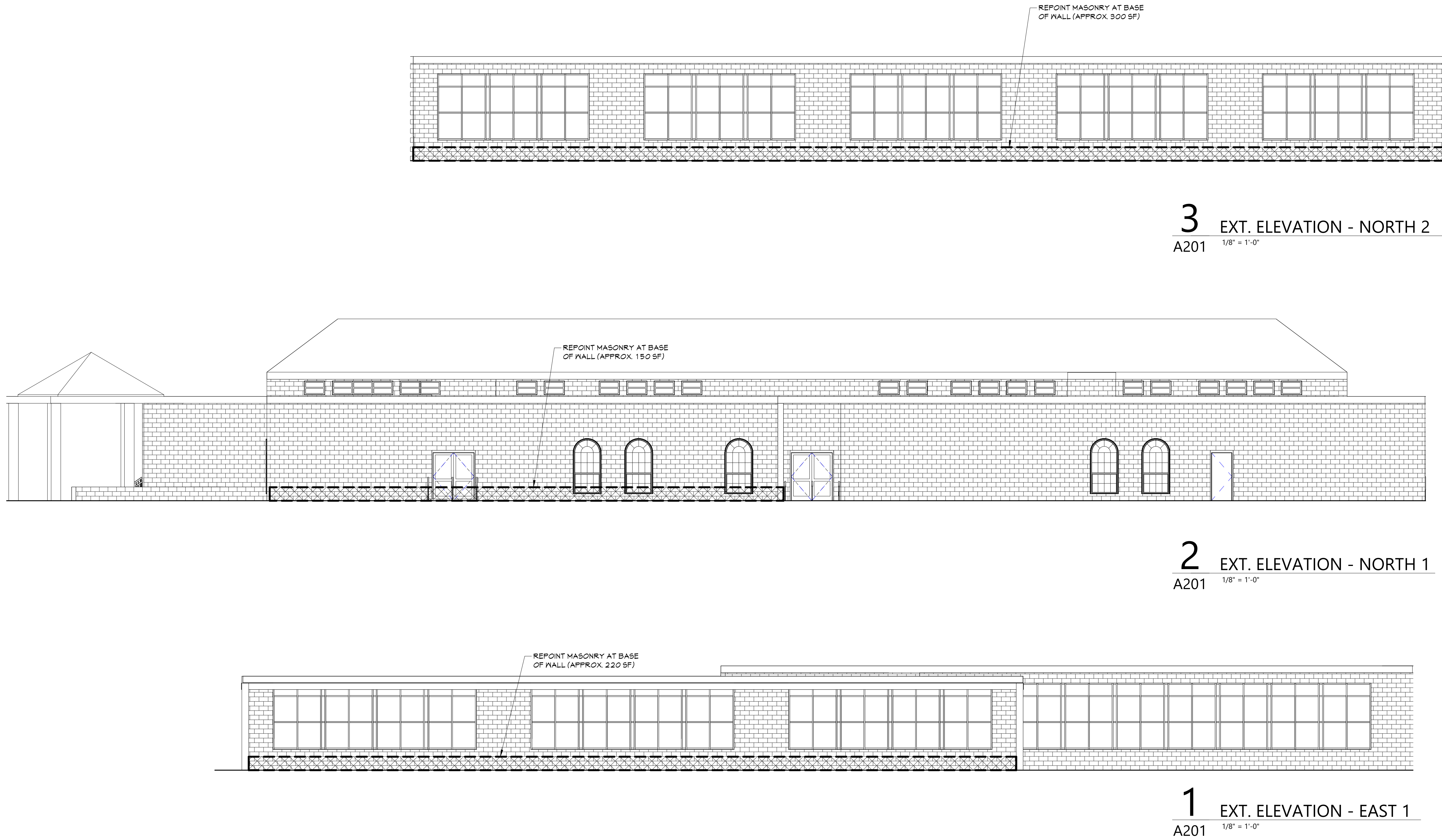
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KEY PLAN	
	AREA OF WORK
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Sheet Title
ENLARGED
REMOVAL
PLAN AND
RCP
Sheet No.
ECES
AD111
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CSARCH

Consultant

Valley Central School District
East Coldenham Elementary School
2023 Capital Project - Phase 1

Project Title

REGISTERED ARCHITECT
JAMES M. HENDERSON
STATE OF NEW YORK
EXPIRATION DATE: 02/28/2025

REV.	DATE	DESCRIPTION

Drawn By: Author

Checked By: 44-13-01-86-0-013-019

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EXTERIOR ELEVATIONS

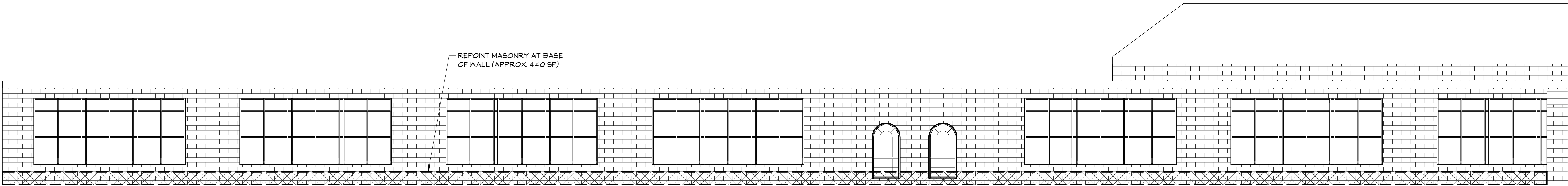
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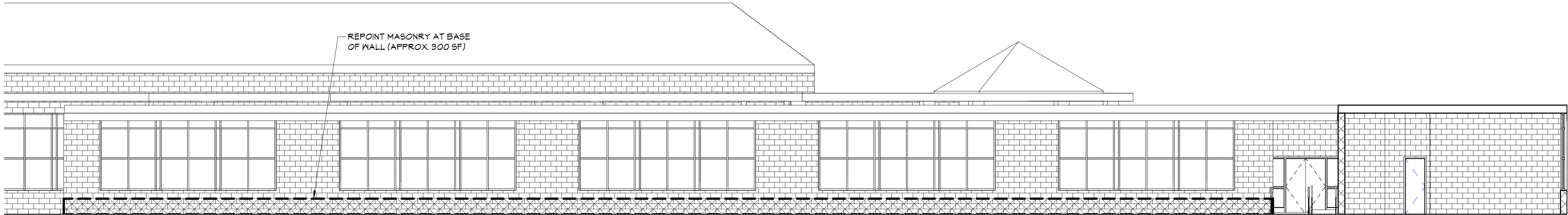
CONSTRUCTION DOCUMENTS

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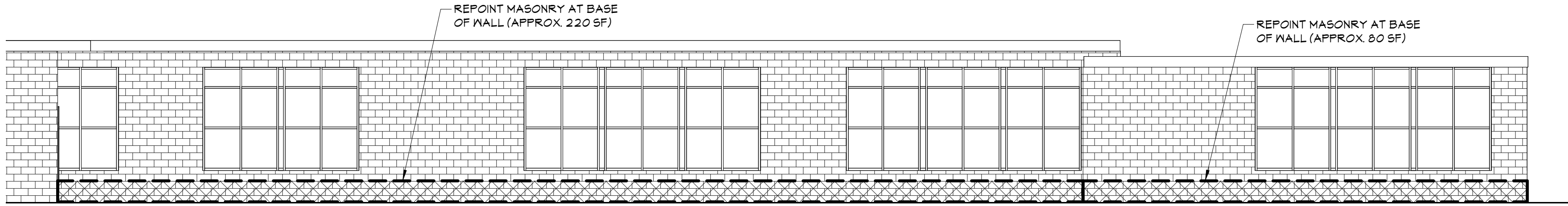
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1 EXT. ELEVATION - SOUTH 1
A202 1/8" = 1'-0"



2 EXT. ELEVATION - SOUTH 2
A202 1/8" = 1'-0"



3 EXT. ELEVATION - WEST 2
A202 1/8" = 1'-0"

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



EXPIRATION DATE: 02/28/2025

REV	DATE	DESCRIPTION

Drawn By: *Jamille* Author
Checked By: *Jamille* 44-13-01-86-0-013-019
CSArch Proj. #: 187-2302.01
Issued for Bid: 10/18/24

Sheet Title

EXTERIOR
ELEVATIONS

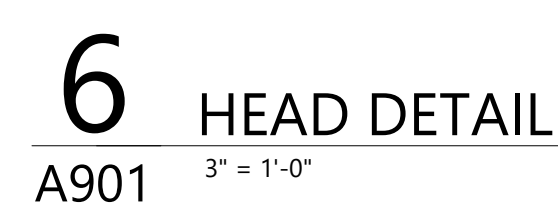
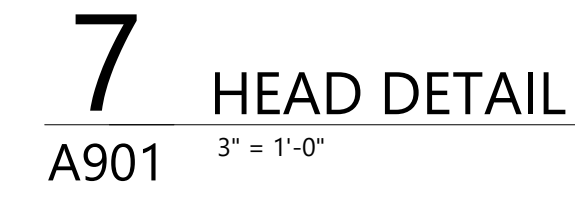
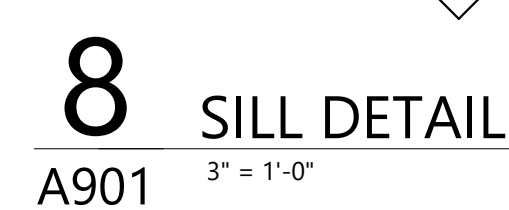
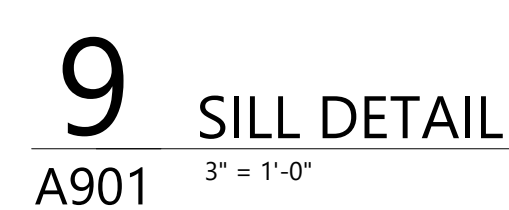
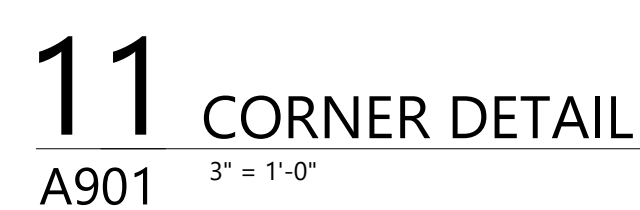
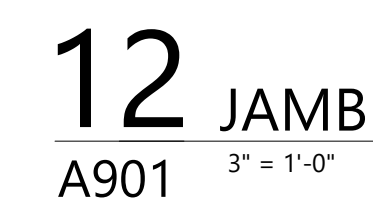
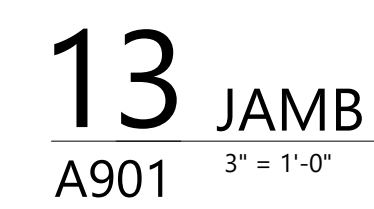
Sheet No.

ECES
A202

CONSTRUCTION DOCUMENTS



DOOR SCHEDULE																							
DOOR NUMBER	DOOR												FRAME										DOOR NUMBER
	QUANTITY	FROM		TO		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	MATERIAL	FINISH	LABEL (MM)	GLAZING	HARDWARE	MAG. HOLD-OPEN	ACCESS CONTROL	REMARKS				
001				100	SECURITY VESTIBULE	3' - 0"	7' - 0"	1 3/4"	DG	ALUM	ANOD	ALUM	ANOD		CCL	HW1					001		
002				101	VESTIBULE	3' - 0"	7' - 0"	1 3/4"	DG	ALUM	ANOD	ALUM	ANOD		CCL	HW2					002		
003				101	VESTIBULE	3' - 0"	7' - 0"	1 3/4"	DG	ALUM	ANOD	ALUM	ANOD		CCL	HW1					003		
004	101	VESTIBULE		102	LOBBY	3' - 0"	7' - 0"	1 3/4"	DG	ALUM	ANOD	ALUM	ANOD		LM	HW1					004		
005	101	VESTIBULE		102	LOBBY	3' - 0"	7' - 0"	1 3/4"	DG	ALUM	ANOD	ALUM	ANOD		LM	HW2					005		
006	100	SECURITY VESTIBULE		103	MAIN OFFICE	3' - 0"	7' - 0"	1 3/4"	N	ANOD	ANOD	ANOD	ANOD	20	FR	HW4					006		
007	102	LOBBY		103	MAIN OFFICE	3' - 0"	6' - 10"	1 3/4"	N	ANOD	ANOD	ANOD	ANOD	20	FR	HW6					007		



- ① INSULATED GLAZING UNIT
- ② FIRE-PROTECTION-RATED GLAZING.
MATCH RATINGS OF OPENING EXISTING
GIRTH OR WALLS ARE PRESUMED 1-HOUR
RATED, UNO.
- ③ INSULATED SECURITY GLAZING UNIT
- ④ SECURITY GLAZING
- ⑤ FIRE-PROTECTION-RATED SECURITY GLAZING.
RATING BASED ON MALL OR DOOR RATINGS
- ⑥ INSULATED LAMINATED/TEMPERED GLASS
(EXTERIOR)
- ⑦ FIRE-PROTECTION-RATED PANEL.
RATING BASED ON DOOR RATINGS
- ⑧ SECURITY FILM ON EXISTING GLAZING

LEGEND

S#	STOREFRONT LABEL
----	------------------

 WINDOW TAG

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VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



EXPIRATION DATE: 02/28/2025

[illegible]

Drawn By:	AP
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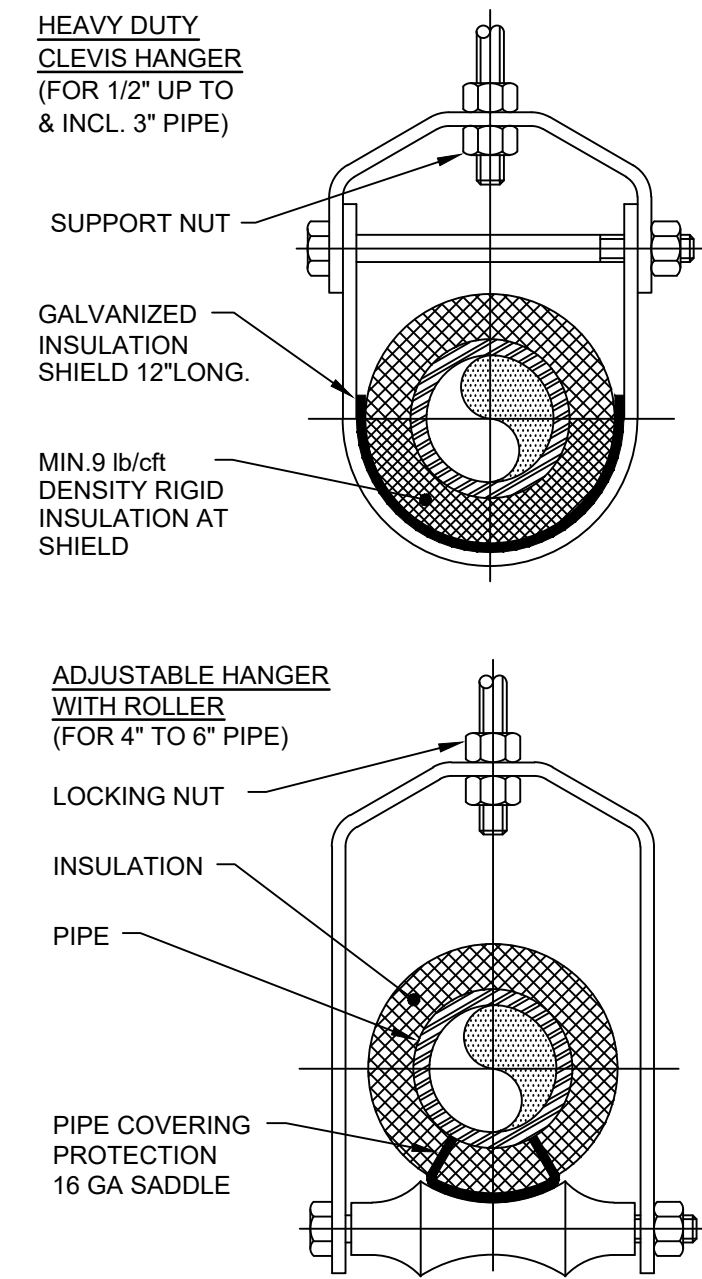
Sheet Title

DOOR,
WINDOW, &
STOREFRONT
DETAILS

Sheet No. ECES
A901

CONSTRUCTION DOCUMENTS

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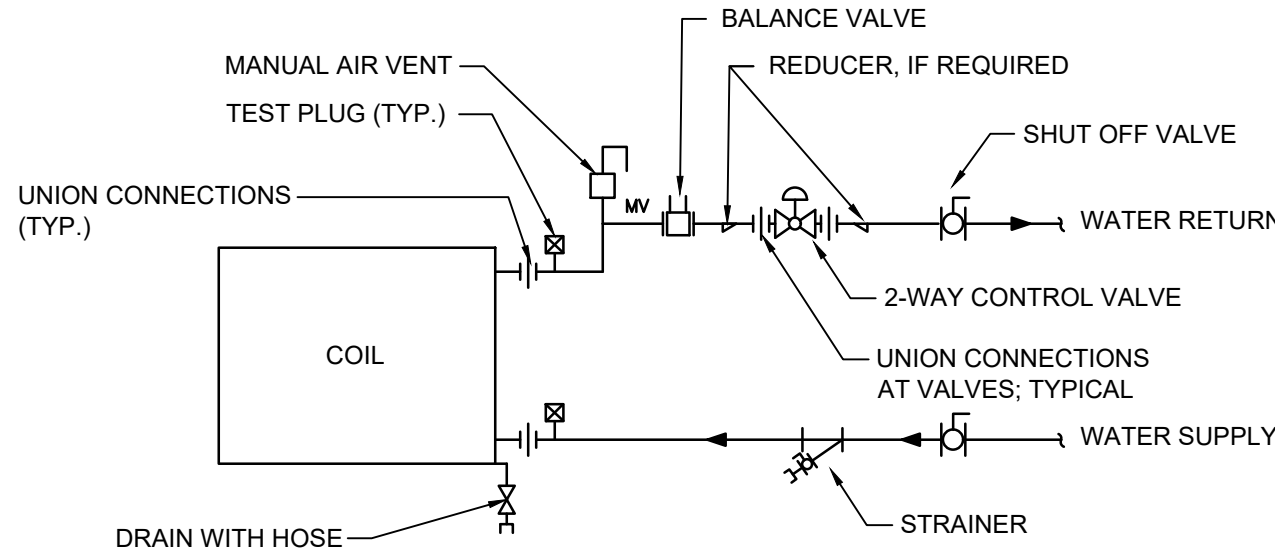
- NOTES:
1. PIPE 6\"/>
 2. FOR CHW SERVICE OVER 3\"/>

PIPE Ø (IN.)	MAX. SPACING BETWEEN HANGERS (FT.)			MIN. ROD SIZE (IN.)
	STEEL PIPE	COPPER PIPE	CPVC	
1/2 THRU 1	7	5	5	3/8
1-1/2 THRU 2	9	8	6	3/8
2-1/2	11	9	7.5	1/2
3	12	10	7.5	1/2
4	14	12	8.5	5/8
6	17	14	9	3/4
8	19	16	10	7/8
10	22	18	10.5	7/8

1 Pipe Hanger Support

M001

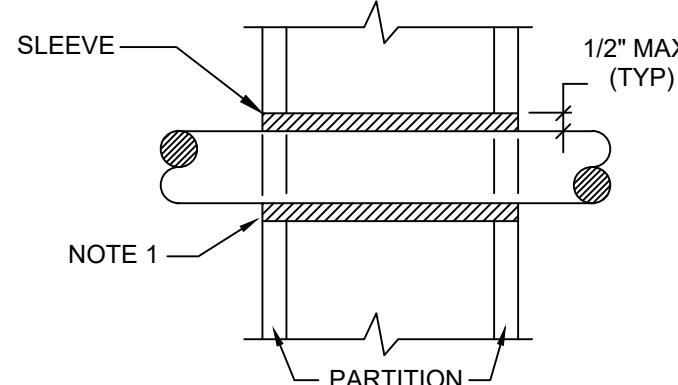
N.T.S.



2 Coil Piping Connection Detail

Scale: None

M001



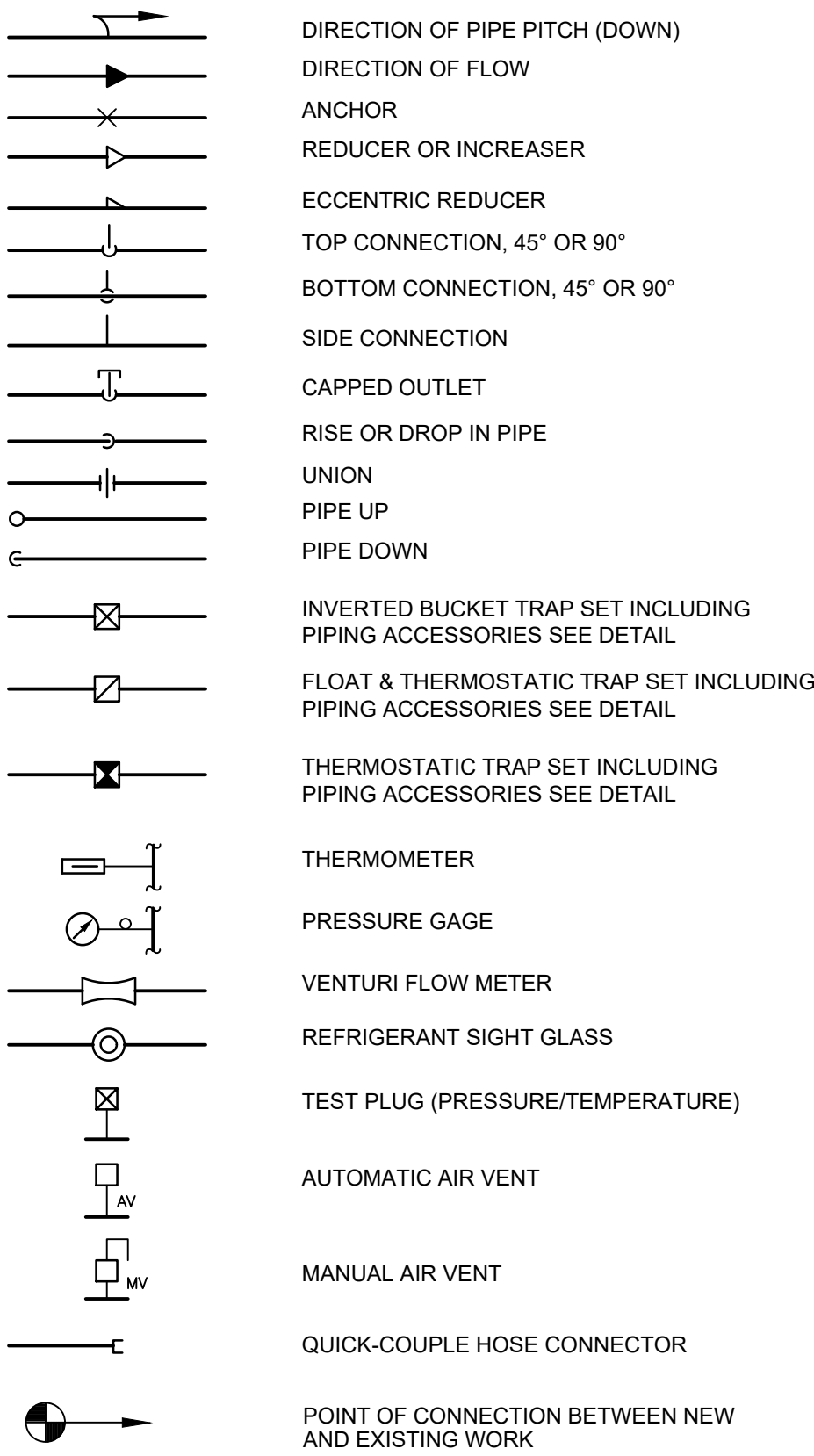
- NOTES:
1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
 2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

3 Pipe Penetrations Detail

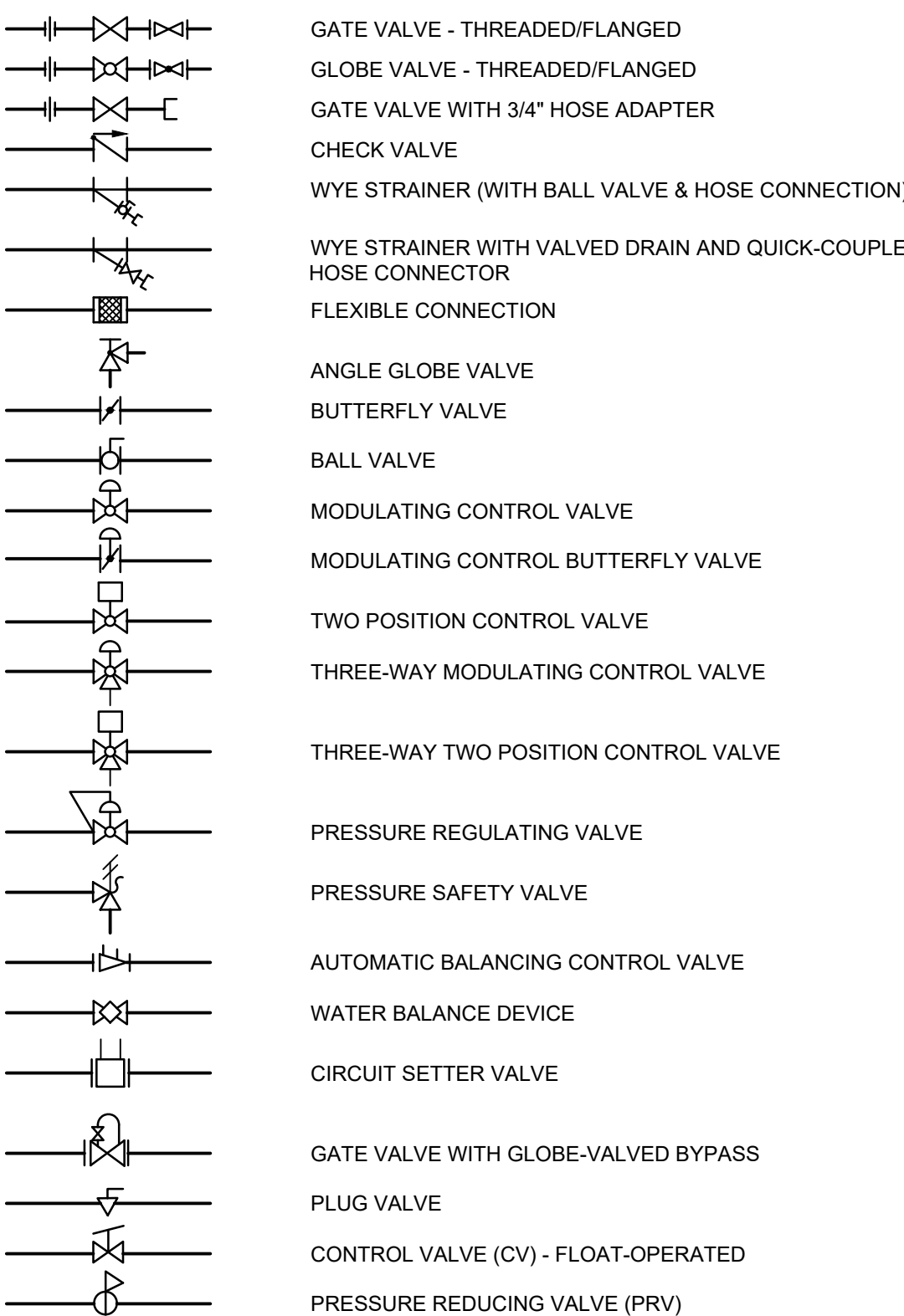
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M001

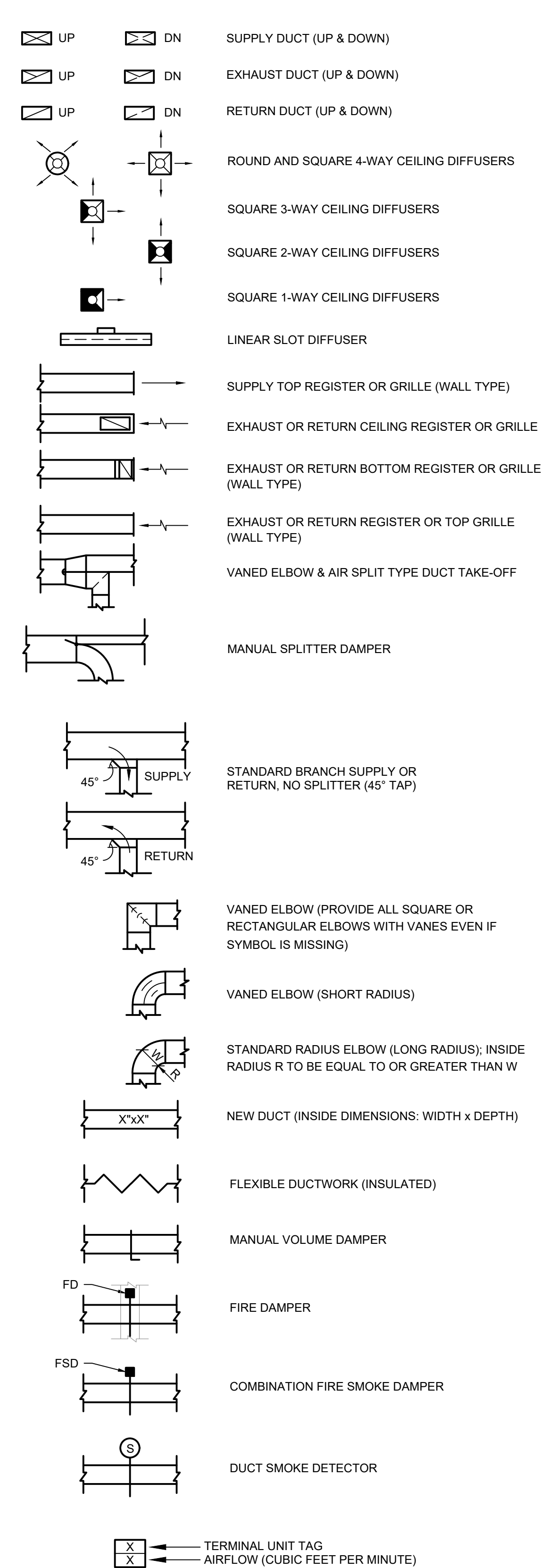
General Symbols:



Valve Symbols:



Mechanical Legend :



Mechanical Notes:

1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
4. ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
5. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
6. A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
7. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
8. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2020 BUILDING CODE OF NEW YORK STATE, 2020 MECHANICAL CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
9. ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
10. ALL PIPING SHALL BE PITCHED SUCH THAT AIR IN THE SYSTEM CAN BE VENTED THROUGH MANUAL AIR VENTS.
11. TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS TO TWICE THE SYSTEM WORKING PRESSURE. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
12. SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
13. INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
14. INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM. INSTALL MANUAL AIR VENT VALVE FACILITIES AT THE TOP OF ALL RISERS AND AT HIGH POINTS OF THE PIPING SYSTEM.
15. INSTALL ALL HYDRONIC PIPING AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
16. THE ENTIRE HYDRONIC SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED WATER FLOWRATE REQUIREMENTS. A CERTIFIED BALANCING REPORT AND VERIFICATION IS TO BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
17. ALL DUCTWORK IS TO BE CONSTRUCTED OF GALVANIZED SHEET STEEL (EXCEPT WHERE OTHERWISE SPECIFIED) WITH GAUGES, BRACING AND CONSTRUCTION IN ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL STANDARDS AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
18. PROVIDE MANUAL DAMPERS AT EACH SPLIT OR TAP CONNECTION TO TRUNK DUCTS FOR BALANCING PURPOSES WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. EACH DAMPER SHALL BE OF THE OPPOSED BLADE DAMPER TYPE INSTALLED WITH AN OPERATOR AND LOCKING DEVICE. ALL DAMPERS LOCATED ABOVE HARD OR INACCESSIBLE CEILINGS SHALL BE INSTALLED WITH REMOTE GEAR OPERATORS.
19. FURNISH & INSTALL FUSIBLE LINK FIRE DAMPERS AT ALL LOCATIONS WHERE DUCT PENETRATES FIRE-RATED FLOOR OR CEILING ASSEMBLY WHETHER OR NOT SPECIFICALLY SHOWN. INSTALL DUCTWORK CASING ACCESS DOORS AND FRAMES AHEAD OF EACH FIRE DAMPER FOR INSPECTION AND MAINTENANCE. DOORS SHALL BE A MINIMUM OF 20 GA. DOUBLE PANEL INSULATED TYPE.
20. INSTALL TURNING VANES ON ALL RECTANGULAR TURNS. TURNING VANES SHALL BE DOUBLE THICKNESS TYPE CONSTRUCTED IN ACCORDANCE WITH SMACNA MANUAL.
21. ROUND SHEET STEEL ELBOWS ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL SUPPLY AIR DIFFUSERS. SHEET STEEL PLENUM BOXES ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL RETURN AND EXHAUST AIR GRILLES. THE CONTRACTOR IS TO PAINT THE INSIDE OF THE SHEET STEEL PLENUM BOXES FLAT BLACK.
22. INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
23. THE ENTIRE AIR DISTRIBUTION SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED AIRFLOW REQUIREMENTS.
24. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
25. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
26. CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE ENGINEER AT THE END OF THE PROJECT. AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

Mechanical Equipment:

- ① THERMOSTAT PROVIDED BY OWNER, INSTALLED BY CONTRACTOR; MOUNT 5'-0" A.F.F. IN LOCATIONS SHOWN ON PLANS

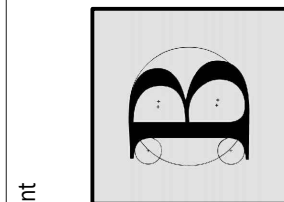
CABINET UNIT HEATER SCHEDULE

EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	FLUID TYPE	EWT (°F)	LWT (°F)	FLOW RATE (GPM)	PRESSURE DROP (FT HD)	HEATING CAPACITY (MBH)	AIRFLOW (CFM)	ELECTRICAL POWER REQUIREMENTS					WEIGHT (LB)	NOTES
										VOLT.	PHASE	HZ.	MCA	MOCP		
CUH-1	TRANE	FFEB030	HOT WATER	180	160	3.5	0.96	35.3	300	120	1	60	0.45	15	121	HORIZONTAL RECESSED UNIT; BOTTOM STAMPED LOUVER SUPPLY & RETURN; UNITS FURNISHED W/ DISCONNECT SWITCH, 1" FILTER, SYMBIO 400-B CONTROLLER, DELUXE PIPING PACKAGE, 2-WAY MODULATING CONTROL VALVE
CUH-2	TRANE	FFEB030	HOT WATER	180	160	3.5	0.96	35.3	300	120	1	60	0.45	15	121	HORIZONTAL RECESSED UNIT; BOTTOM STAMPED LOUVER SUPPLY & RETURN; UNITS FURNISHED W/ DISCONNECT SWITCH, 1" FILTER, SYMBIO 400-B CONTROLLER, DELUXE PIPING PACKAGE, 2-WAY MODULATING CONTROL VALVE

CABINET UNIT HEATERS FURNISHED BY OWNER, INSTALLED BY CONTRACTOR; CONTRACTOR IS RESPONSIBLE TO RECEIVE THE EQUIPMENT DELIVERY AT THE PROJECT SITE. MOVE EQUIPMENT FROM TRUCK(S) TO A DESIGNATED STORAGE LOCATION ON THE SITE & RIG THE UNIT INTO THE FINAL INSTALLATION LOCATION. CONTRACTOR IS TO PROVIDE ALL ASSOCIATED COMPONENTS, I.E., DUCTWORK, PIPING, CONTROLS, ACCESSORIES, ETC. UNLESS OTHERWISE NOTED IN THE PROJECT DOCUMENTS, REFER TO FRONT END DOCUMENTS FOR ADDITIONAL INFORMATION.

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Consultant



BLAKE ENGINEERING LLC
100 WEST MAIN STREET, NEWBURGH, NY 12550

VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



#	DATE	DESCRIPTION

Drawn By: BJK
Checked By: BJK
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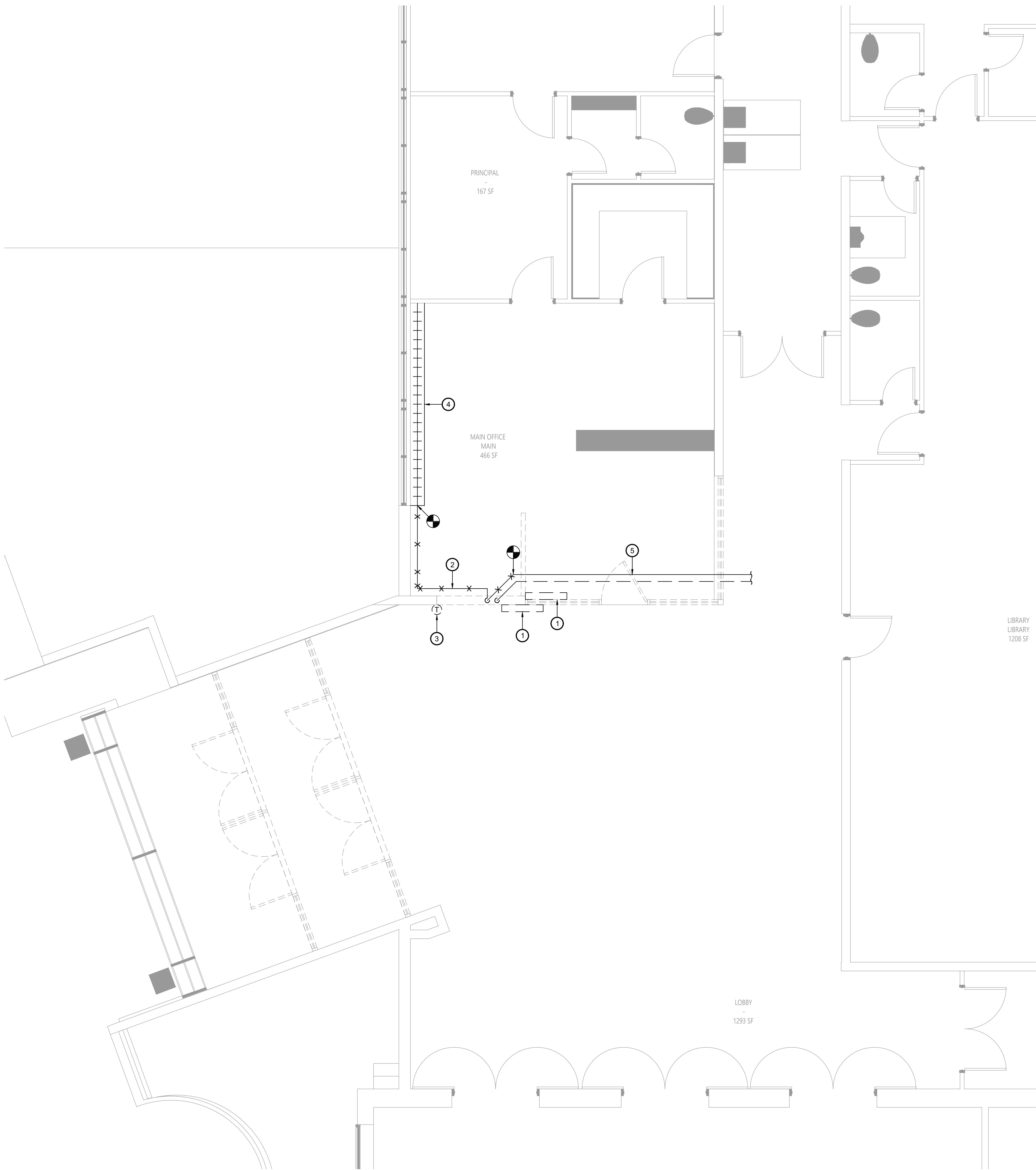
Sheet Title

MECHANICAL
NOTES,
LEGENDS,
SCHEDULES &
DETAILS

Sheet No.

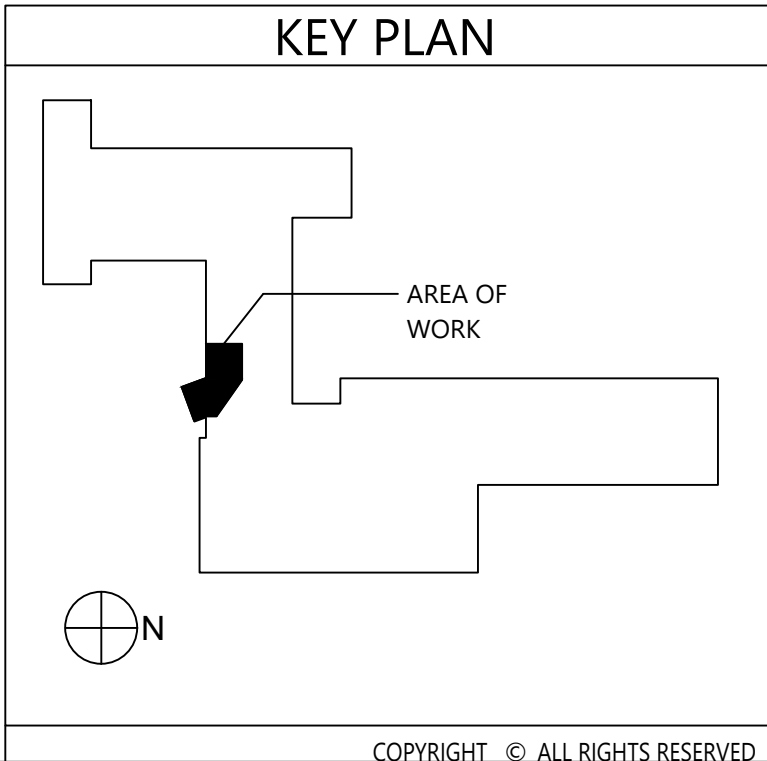
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CONSTRUCTION DOCUMENTS

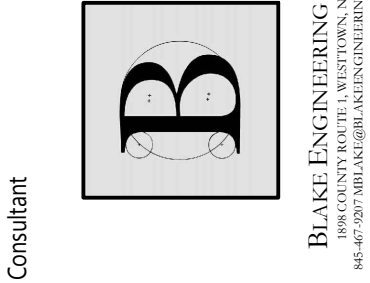


- Key Notes:**
- 1 EXISTING CABINET UNIT HEATER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY PIPING, CONTROLS, HANGERS, SUPPORTS, ACCESSORIES, ETC.
 - 2 EXISTING HOT WATER PIPING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED VALVES, STRAINERS, HANGERS, SUPPORTS, INSULATION, ACCESSORIES, ETC. REMOVE TO POINT OF DISCONNECTION & TEMPORARILY CAP
 - 3 EXISTING THERMOSTAT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED WIRING, TUBING, CONDUIT, ACCESSORIES, ETC.;
 - 4 EXISTING FINNED TUBE RADIATION TO REMAIN; DISCONNECT HOT WATER PIPING & RECONNECT AFTER BEING RELOCATED TO AVOID CONFLICT WITH NEW DOOR OPENING
 - 5 EXISTING HOT WATER SUPPLY & RETURN PIPING ABOVE CEILING TO REMAIN

1 Mechanical Demolition Plan
MD111 Scale: 1/4" = 1'-0"



VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1



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#	DATE	DESCRIPTION

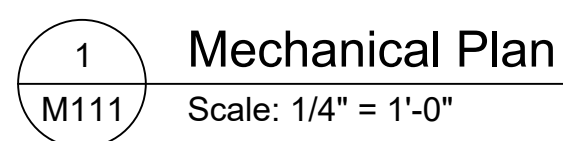
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MECHANICAL
DEMOLITION
PLAN

ECES
MD111

CONSTRUCTION DOCUMENTS

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Project Title



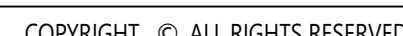
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Sheet Title

Sheet No.

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M111

CONSTRUCTION DOCUMENTS



LIGHTING FIXTURE SCHEDULE										
TAG	SYMBOL	MANUFACTURER & MODEL	TYPE	VOLTAGE	# OF LAMPS	LAMP WATTS	FIXTURE WATTS	MOUNTING	SIZE	NOTES
A		HE WILLIAMS 6" LED DOWNLIGHT - ROUND 6DR-TL-L15/840-DIM-UNV-LW-OF-WH-R	LED	120	1	13.8	13.8	RECESSED	6"Ø	4000K COLOR TEMPERATURE; REMODEL KIT
B-EM		HE WILLIAMS VOLTARE ARCHITECTURAL WALL PACK VWPH-L30/740-T3-DBZ-SDGL-EM/10WC-DIM-UNV	LED	120	1	36	36	SURFACE WALL MOUNT	12"x12"	VANDAL RESISTANT; 4000K COLOR TEMPERATURE; W/ LED EMERGENCY 90 MINUTE LOW TEMPERATURE BATTERY BACKUP; UL 924 LISTED FIXTURE
C		HE WILLIAMS RECESSED DIRECT/INDIRECT DIG-922-L30/840-AD-DIM-UNV	LED	120	1	25.8	25.8	RECESSED	2'x2'	4000K COLOR TEMPERATURE
-		HE WILLIAMS LED EMERGENCY LIGHT EMER/LED-WHT-SDT-D	LED	120	2	1.0	2.0	UNIVERSAL	-	UL 924 LISTED FIXTURE; 90-MINUTE BATTERY BACKUP
-		HE WILLIAMS LED EXIT & EMERGENCY LIGHT EXIT/EM/LED-R-WHT-RC-SDT-D	LED	120	2	1.5	3.4	UNIVERSAL	-	UL 924 LISTED FIXTURE; 90-MINUTE BATTERY BACKUP; PROVIDE W/ REMOTE HEAD MODEL WETRHL-T-WHT-HL-MV
-		HE WILLIAMS LED EXIT LIGHT EXIT-R-EM-WHT-SDT-D	LED	120	1	3.8	3.8	UNIVERSAL	-	90-MINUTE BATTERY BACKUP

120/208V 3Ø 4W+G				BUS RATING: 100A				60A MAIN CIRCUIT BREAKER			
CONNECTED LOAD	CONDUCTORS	CKT. BREAKER CAPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CONDUCTORS	CONNECTED LOAD		
EXISTING LOAD	EXISTING WIRING	20	1	-	-	-	2	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	3	-	-	-	4	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	5	-	-	-	6	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	7	-	-	-	8	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	9	-	-	-	10	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	11	-	-	-	12	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	13	-	-	-	14	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	15	-	-	-	16	20	EXISTING WIRING	EXISTING LOAD	
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EXISTING LOAD	EXISTING WIRING	20	19	-	-	-	20	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	21	-	-	-	22	20	(2) #12 CU & (1) #12 GND.	CABINET UNIT HEATERS	
EXISTING LOAD	EXISTING WIRING	20	23	-	-	-	24	20	(2) #12 CU & (1) #12 GND.	DOOR OPERATORS	
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	25	-	-	-	26	20	(2) #12 CU & (1) #12 GND.	FIRE SHUTTER	
ACCESS CONTROL	(2) #12 CU & (1) #12 GND.	20	27	-	-	-	28	20	(2) #12 CU & (1) #12 GND.	DOOR OPERATORS	
SPACE	-	-	29	-	-	-	30	-	-	SPACE	
SIEMENS S3 PANEL				- KVA TOTAL							

- PROVIDE NEW CIRCUIT BREAKERS FOR ALL NEW OR MODIFIED CIRCUITS; BREAKERS SHALL MATCH EXISTING TYPE AND RATING
- PANEL SCHEDULE SHOWN BASED ON EXISTING DIRECTORY; CONTRACTOR SHALL VERIFY IN FIELD & ADJUST CIRCUIT LAYOUT AS NEEDED BASED ON AVAILABLE POSITIONS

3 Existing Panelboard LP-E
E001 Scale: None

FIRE ALARM LEGEND:

- HORN/STROBE DEVICE, ONE ASSEMBLY; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED
- STROBE DEVICE; MTD. 80" A.F.F. UNLESS OTHERWISE NOTED; 15 CANDELA UNLESS OTHERWISE NOTED
- MANUAL PULL STATION; MTD. 48" A.F.F.
- WATER FLOW SWITCH
- VALVE TAMPER SWITCH
- DETECTOR; LETTER INDICATES AS FOLLOWS:
BLANK = SMOKE DETECTOR
P = PHOTOELECTRIC SMOKE
M = MULTIPLE STATION SMOKE ALARM
D = PHOTOELECTRIC DUCT SMOKE DETECTOR
FSD = DUCT SMOKE DETECTOR FOR FIRE SMOKE DAMPER
- RATE OF RISE HEAT DETECTOR; 135°F
- CARBON MONOXIDE DETECTOR; MTD. 60" A.F.F.
- ADDRESSABLE FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR PANEL
- REMOTE TEST SWITCH & LED FOR DUCT SMOKE DETECTORS
- FIRE ALARM RELAY

SECURITY LEGEND:

- PANIC BUTTON - 18/4 SHIELDED
- INTERCOM
- DOOR RELEASE BUTTON - 16/2 SHIELDED
- WORKSTATION FOR CARD ACCESS & VIDEO SYSTEM
- CARD READER - 22/6 SHIELDED
- REQUEST TO EXIT - 18/4 SHIELDED
- MAGNETIC DOOR CONTACT - 16/2 SHIELDED
- ELECTRIC LOCK - 16/2 SHIELDED

ELECTRICAL LEGEND:

- MOTOR
- EARTH GROUND
- JUNCTION BOX
- EMERGENCY POWER OFF BUTTON
- FUSE WITH RATING
- MOLDED CASE CIRCUIT BREAKER
- DISCONNECT SWITCH, FUSED
- DISCONNECT SWITCH, UNFUSED
- STARTER, COMBINATION WITH DISCONNECT SWITCH
- STARTER OR MOTOR CONTROLLER
- METER
- 20A 120V DUPLEX CEILING MOUNTED RECEPTACLE
-

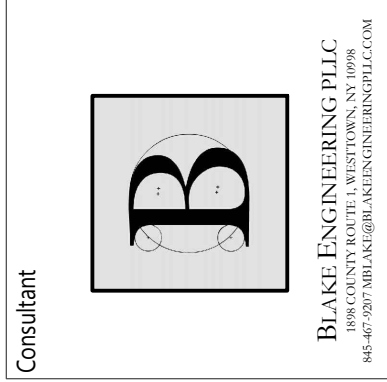
ELECTRICAL NOTES:

1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
4. ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
5. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
6. A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE EQUIPMENT AND/OR MATERIALS. BY SUBMITTING SHOP DRAWINGS, THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
7. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
8. EQUIPMENT AND MATERIALS FOR WHICH UNDERWRITERS LABORATORIES, INC. (UL) PROVIDES PRODUCT LISTING SERVICE SHALL BE LISTED AND BEAR THE LISTING MARK.
9. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT COMPLIANCE WITH THE 2017 NATIONAL ELECTRIC CODE, 2020 BUILDING CODE OF NEW YORK STATE, 2020 FIRE CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
10. ALL NEW LIGHTING FIXTURES SHALL BE INSTALLED FULLY LAMPED AND OPERABLE. THE CONTRACTOR SHALL TURN OVER TO THE OWNER SPARE LAMPS OF EVERY TYPE ON THE PROJECT IN AN AMOUNT NOT LESS THAN 20% OF THE TOTAL NUMBER OF EACH TYPE (MINIMUM 1 PER TYPE).
11. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION, APPLICATIONS AND FEES OF ALL WORK ASSOCIATED WITH THE LOCAL UTILITY COMPANY AND/OR THE TELEPHONE COMPANY. ALL WORK INVOLVING THE UTILITY COMPANY SHALL BE COMPLETED IN ACCORDANCE WITH THEIR REGULATIONS AND GUIDELINES.
12. ALL CONDUCTORS SHALL BE COPPER, SHALL NOT BE LESS THAN #12 AWG, AND SHALL NOT EXCEED 70 FEET FROM PANEL BOARD TO FURTHEST CONNECTION UNLESS OTHERWISE NOTED ON PLANS.
13. LIGHTING LOADS SHALL NOT BE COMBINED ON THE SAME CIRCUIT AS ANY OTHER ELECTRICAL LOADS.
14. CONTRACTOR SHALL BE RESPONSIBLE TO FURNISH & INSTALL ALL SMALL DETAILS AND INCIDENTAL WORK NOT SHOWN OR SPECIFIED, BUT WHICH CAN BE REASONABLY INFERRED AS REQUIRED FOR A COMPLETE AND OPERATING SYSTEM OF HIGH QUALITY MEETING ALL APPLICABLE CODES AND REGULATIONS.
15. FOR EACH NEW OR MODIFIED ELECTRICAL PANEL, THE CONTRACTOR SHALL PROVIDE A TYPE WRITTEN DIRECTORY CARD TO REFLECT ALL CIRCUITING. ADDITIONALLY, THE CONTRACTOR SHALL LABEL (WITH A PERMANENT MARKER OR LABEL) EACH RECEPTACLE ON THE INSIDE OF EACH FACE PLATE WITH PANEL AND CIRCUIT NUMBER DESIGNATION.
16. MINIMUM REQUIREMENT FOR EQUIPMENT GROUNDING SHALL BE GOVERNED BY THE NEC. ALL GROUNDS, BONDING, ETC. SHALL MEET THESE REQUIREMENTS. THE CONTRACTOR SHALL FURNISH AND INSTALL ANY AND ALL ITEMS NECESSARY TO MEET THESE REQUIREMENTS AT NO EXTRA COST, EVEN IF SUCH ITEMS ARE NOT DETAILED ON THE DRAWINGS.
17. ALL CONDUIT AND CABLE SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
18. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, WIRING, DEVICES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT TO ENSURE PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
19. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.

WIRE COLOR CODING TABLE							
PHASE	WIRES	VOLTAGE	L1	L2	L3	NEUTRAL	GROUND
1	2 (1)	120	BLACK	-	-	WHITE	-
1	2 (1)	208	BLACK	RED	-	-	-
1	3	120	BLACK	-	-	WHITE	GREEN (2)
1	3	208	BLACK	RED	-	-	GREEN (2)
3	4	208	BLACK	RED	BLUE	-	GREEN (2)
3	5	208	BLACK	RED	BLUE	WHITE	GREEN (2)
1	3	277	BROWN	-	-	GRAY	GREEN (2)
1	3	480	BROWN	ORANGE	-	-	GREEN (2)
3	4	480	BROWN	ORANGE	YELLOW	-	GREEN (2)
3	5	480	BROWN	ORANGE	YELLOW	GRAY	GREEN (2)
NOTES: 1. FOR DOUBLE INSULATED EQUIPMENT ONLY. 2. GREEN/YELLOW MAY BE USED: - GREEN/YELLOW SHALL BE GREEN WITH ONE OR MORE YELLOW STRIPES. - GREEN = 50 TO 70%, YELLOW = 50 TO 30%. - GREEN/YELLOW IS THE ONLY COLOR INTERNATIONALLY ACCEPTED FOR USE AS AN EQUIPMENT GROUNDING CONDUCTOR. - GREEN OR GREEN/YELLOW MUST ONLY BE USED FOR GROUNDING CONDUCTORS.							

DEVICE MOUNTING HEIGHTS	
POWER RECEPTACLES (INTERIOR)	18" A.F.F.
POWER RECEPTACLES (EXTERIOR)	36" A.F.F.
POWER RECEPTACLES (@ COUNTER)	44" A.F.F.
LIGHT SWITCHES	44" A.F.F. TO TOP OF DEVICE
DISCONNECT SWITCHES	SEE NEC 404.8(A)
TELEPHONE/DATA RECEPTACLES	18" A.F.F.
TELEPHONE/DATA RECEPTACLES (@ COUNTER)	44" A.F.F.
WALL TELEPHONE RECEPTACLES	48" A.F.F. TO TOP OF DEVICE
FIRE ALARM PULL STATIONS	42" A.F.F. MIN./44" A.F.F. MAX.
FIRE ALARM AUDIO/VISUAL DEVICES	80" A.F.F. MIN./96" A.F.F. MAX.
EXIT LIGHTS (WALL MOUNTED)	12" ABOVE DOOR
EMERGENCY LIGHTS (WALL MOUNTED)	90" A.F.F.
TV & A/V OUTLETS	18" A.F.F.
NOTE: ALL DIMENSIONS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED	

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VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
2023 CAPITAL PROJECT - PHASE 1

Project Title



#	DATE	DESCRIPTION

Drawn By: BJK
Checked By: 44-13-01-06-0-013-019
CSArch Proj. #: 187-2302.01
Issued for Bid: 10/18/24

Sheet Title
ELECTRICAL
NOTES,
LEGENDS,
DETAILS &
SCHEDULES

Sheet No.
ECES
E001

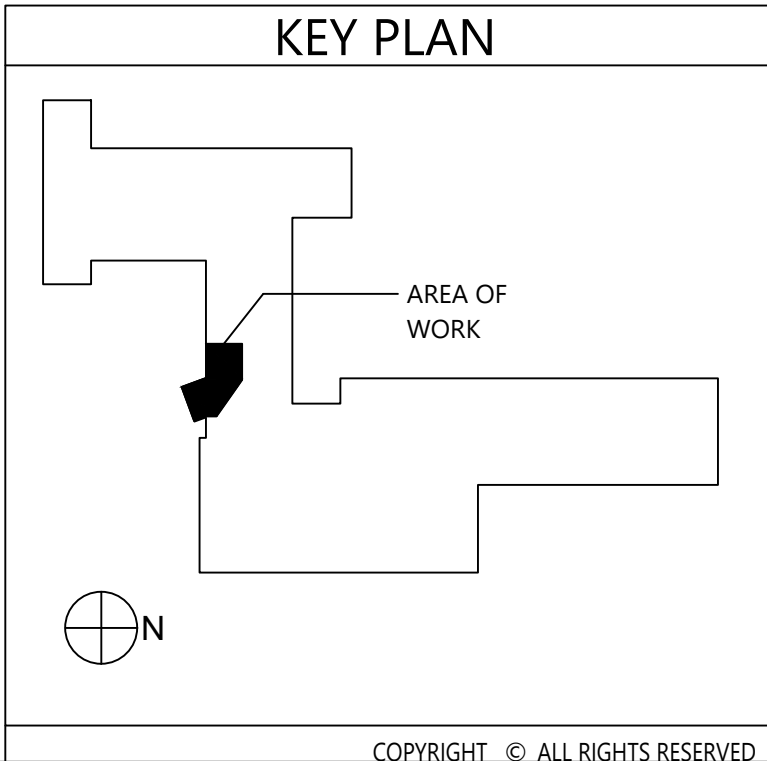


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Electrical Demolition Plan
Scale: 1/4" = 1'-0"

Key Notes:

- 1 DISCONNECT, REMOVE & PROPERLY DISPOSE OF LIGHT FIXTURE & ASSOCIATED WIRING & CONDUIT; MAINTAIN EXISTING CIRCUIT AS NEEDED FOR ANY ADJACENT LIGHTING THAT REMAINS IN PLACE, OTHERWISE TERMINATE AT SOURCE
- 2 DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXIT/ EMERGENCY LIGHT & ASSOCIATED WIRING & CONDUIT; MAINTAIN EXISTING CIRCUIT AS NEEDED FOR ANY ADJACENT LIGHTING THAT REMAINS IN PLACE, OTHERWISE TERMINATE AT SOURCE
- 3 EXISTING CABINET HEATER TO BE REMOVED; DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED CONDUITS, WIRING, DISCONNECTS, ETC.; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 4 DISCONNECT, REMOVE & PROPERLY DISPOSE OF THERMOSTAT & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 5 DISCONNECT, REMOVE & PROPERLY DISPOSE OF FIRE ALARM DEVICE & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE; MAINTAIN CONTINUITY OF EXISTING FIRE ALARM CIRCUITS
- 6 EXISTING FIRE ALARM ANNUNCIATOR PANEL & GRAPHIC DISPLAY TO REMAIN; TEMPORARILY REMOVE, PROTECT & STORE DURING CONSTRUCTION; REINSTALL AFTER COMPLETION OF VESTIBULE
- 7 EXISTING LIGHT FIXTURE TO REMAIN
- 8 DISCONNECT, REMOVE & PROPERLY DISPOSE OF DATA OUTLET & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 9 DISCONNECT, REMOVE & PROPERLY DISPOSE OF RECEPTACLE & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 10 DISCONNECT, REMOVE & PROPERLY DISPOSE OF LIGHT SWITCHES & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE; MAINTAIN CIRCUITS FOR RELOCATED SWITCHES
- 11 DISCONNECT, REMOVE & PROPERLY DISPOSE OF BELL CONTROL SWITCH & ASSOCIATED WIRING & CONDUIT; MAINTAIN CIRCUIT FOR SWITCH TO BE RELOCATED



**VALLEY CENTRAL SCHOOL DISTRICT
EAST COLDENHAM ELEMENTARY SCHOOL
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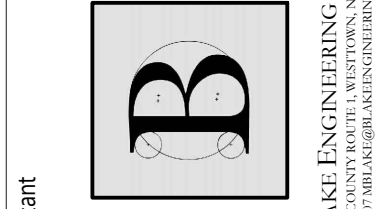
**ELECTRICAL
DEMOLITION
PLAN**

Sheet No.

**ECES
ED111**

CONSTRUCTION DOCUMENTS

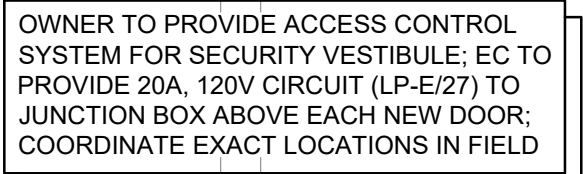
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