

# 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

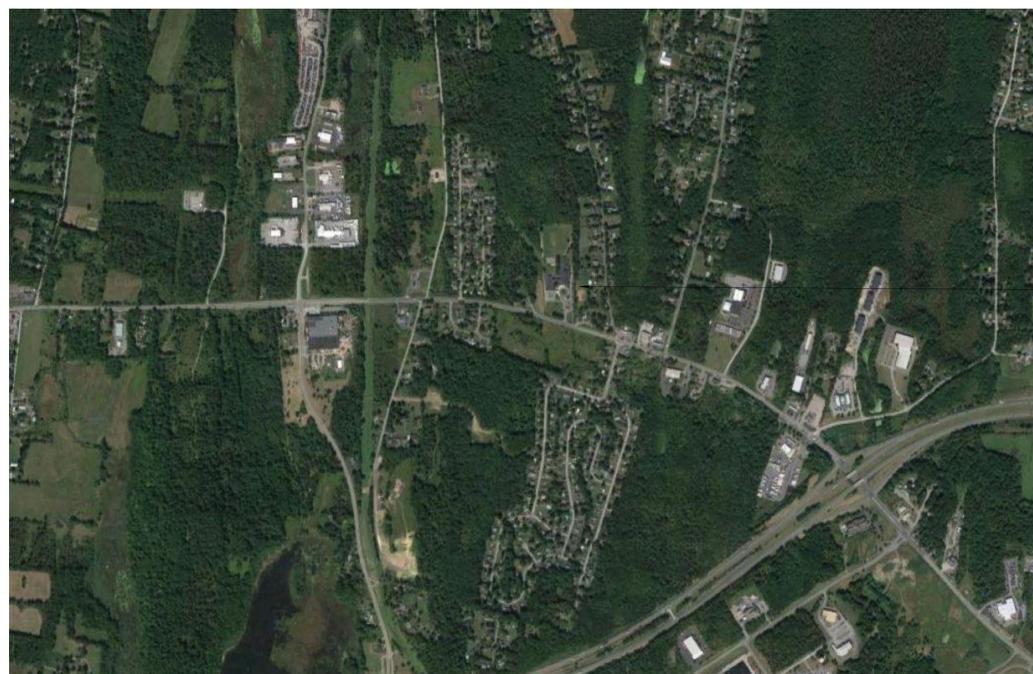
PASSERO ASSOCIATES - SITE/CIVIL AND STRUCTURAL ENGINEERS

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



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

VICINITY MAP

NTS



DRAWING LIST	
<b>GENERAL DRAWINGS</b>	
ECES G000	COVER & SHEET INDEX
ECES G001	SYMBOLS, ABBREVIATIONS, MISC. AND PARTITION TYPES
ECES G111	OVERALL FLOOR PLAN - FIRST FLOOR
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<b>MECHANICAL GENERAL DRAWINGS</b>	
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ECES E111	ELECTRICAL PLAN



EXPIRATION DATE: 02/28/2025

VOLUME 2 OF 8

**ABBREVIATIONS**

ABBREVIATION	DESCRIPTION
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADMIN	ADMINISTRATIVE
APP	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
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	GALLONS
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GMB	GYPNUM WALL BOARD
GMBB	GYPNUM WALL BOARD SOFFIT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOOR
HT	HEIGHT
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
INCH	INCH
INT	INTERIOR
JAN	JANITOR
JC	JANITOR'S CLOSET
JST	JOIST
JT	JOINT
LAB	LABORATORY
LB	POUND
LN	LINEAR
LVL	LEVEL
MAN	MANUAL
MAS	MASONRY
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MEGH	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
PFT	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
TOP	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 ROOM NAME  
1000 ROOM NUMBER  
000 SF AREA OF ROOM

A100 DOOR NUMBER, REFER TO A100 DRAWINGS

1 WINDOW TAG, REFER TO A100 DRAWINGS

B100 BORROWED LIGHT NUMBER, REFER TO A100 DRAWINGS

S1 STOREFRONT / CURTAINMALL 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

1 REVISION NUMBER

1 KEY NOTE, NEW WORK

1 KEY NOTE, DEMOLITION WORK

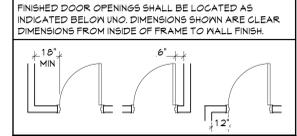
1-0'-0" ELEVATION TAG

1 HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE

ROOM NAME 101  
101 INTERIOR FINISH TAG, REFER TO A100 DRAWINGS  
101 BASE FINISH  
101 FLOOR FINISH

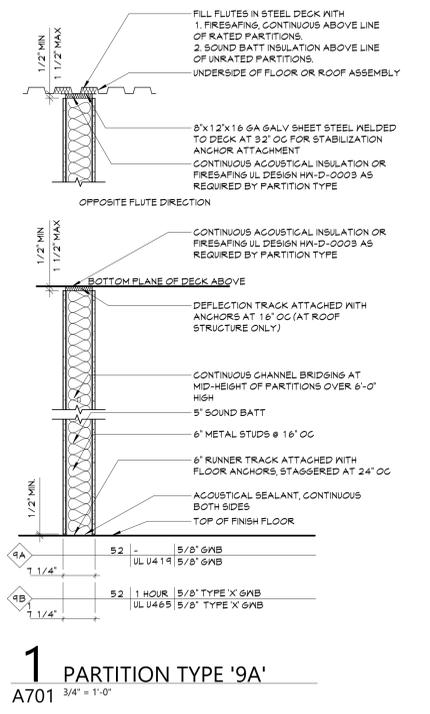
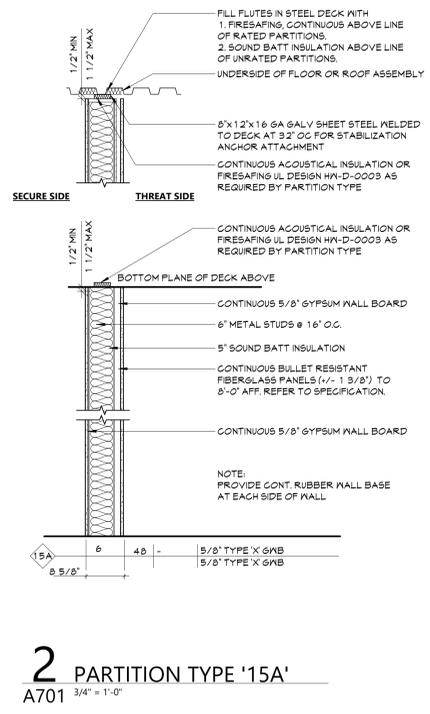
**PLAN GRAPHICS LEGEND**

	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

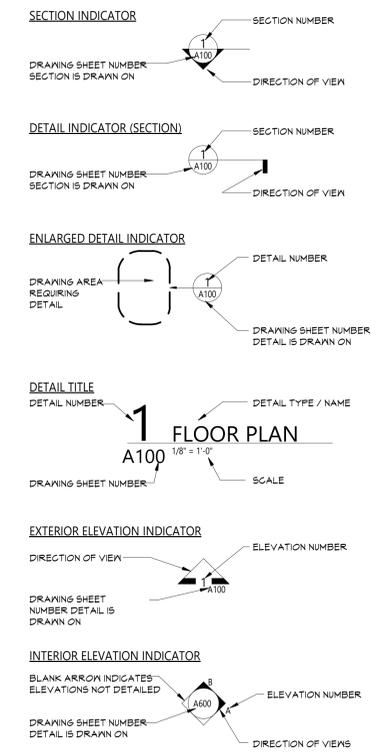


**GENERAL NOTES**

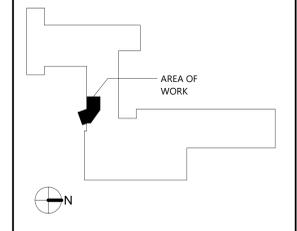
- DIMENSIONS ARE GIVEN THIS (UNLESS NOTED OTHERWISE)
  - TO FACE OF MASONRY WALL
  - TO FACE OF METAL STUD
  - TO COLUMN CENTERLINES
  - TO FINISH FACE OF SOFFIT OR CEILING
  - FACE OF EXISTING CONSTRUCTION
- DO NOT SCALE DRAWINGS. IF A DIMENSION IS NOT SHOWN, BRING IT TO THE ATTENTION OF THE ARCHITECT 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 HDPMS FOR SMOKE / FIRE DAMPER REQUIREMENTS.
- FOR INTERIOR PARTITION TYPES, REFER TO DRAWING G001.
- FOR DOOR SCHEDULE, REFER TO DRAWING A01.
- 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.



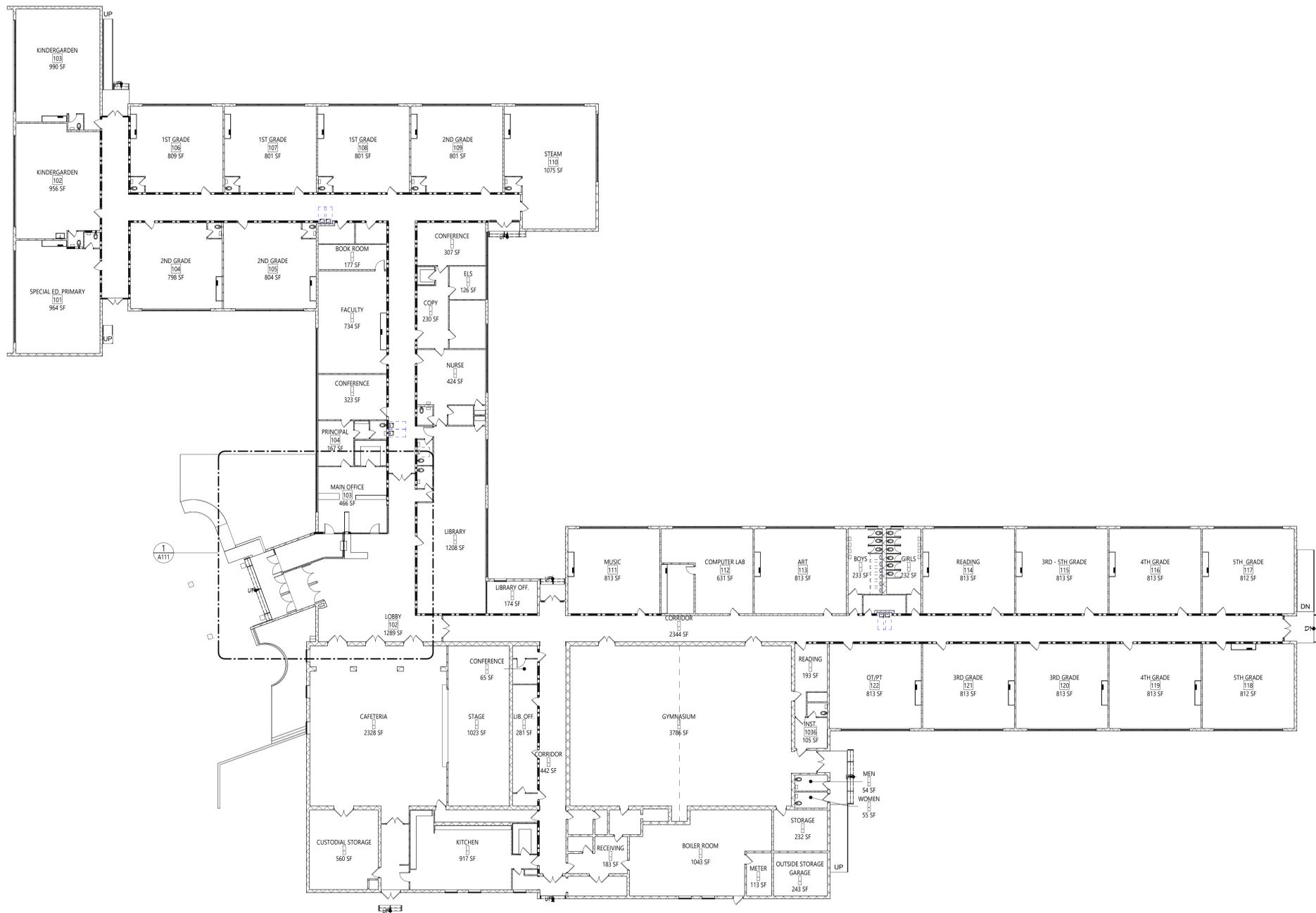
**DETAIL INDICATOR LEGEND**



**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	
		ROOFS - ORDINARY/FLAT (NON-OCCUPIABLE)	40 PSI
GROUND SNOW LOADS	2020 BUILDING CODE OF NEW YORK STATE FIGURE 1608.2	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 VMPH



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

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Checked By: 44-13-01-06-0-013-019  
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Issued for Bid: 10/18/24

Sheet Title  
OVERALL FLOOR PLAN - FIRST FLOOR

Sheet No.  
ECES G111

CONSTRUCTION DOCUMENTS

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Sheet Title  
LIFE SAFETY  
PLAN - FIRST  
FLOOR

Sheet No.  
ECES  
LS111

### LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
- RESCUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESCUE ASSISTANCE STATION/AREA OF REFUGE
- # OCCS** 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

### CODE/NARRATIVE:

ORIGINAL CONSTRUCTION: 1468  
CONSTRUCTION TYPE: IB  
FIRST FLOOR AREA: 43,781 SF GROSS

ADDITION CONSTRUCTION: 1440  
CONSTRUCTION TYPE: IB  
FIRST FLOOR AREA: 9,145 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

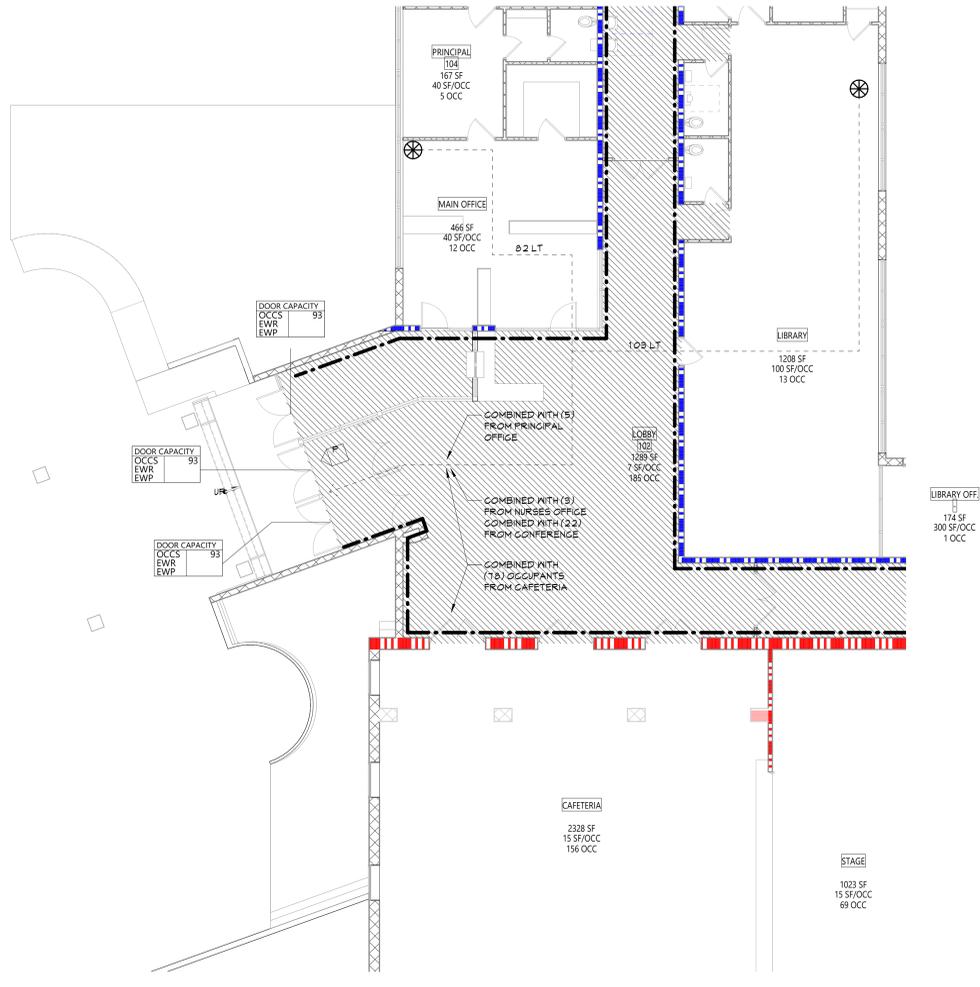
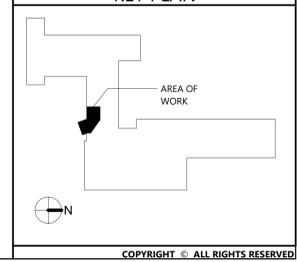
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SITE CLASS	X
SEISMIC DESIGN CATEGORY	X

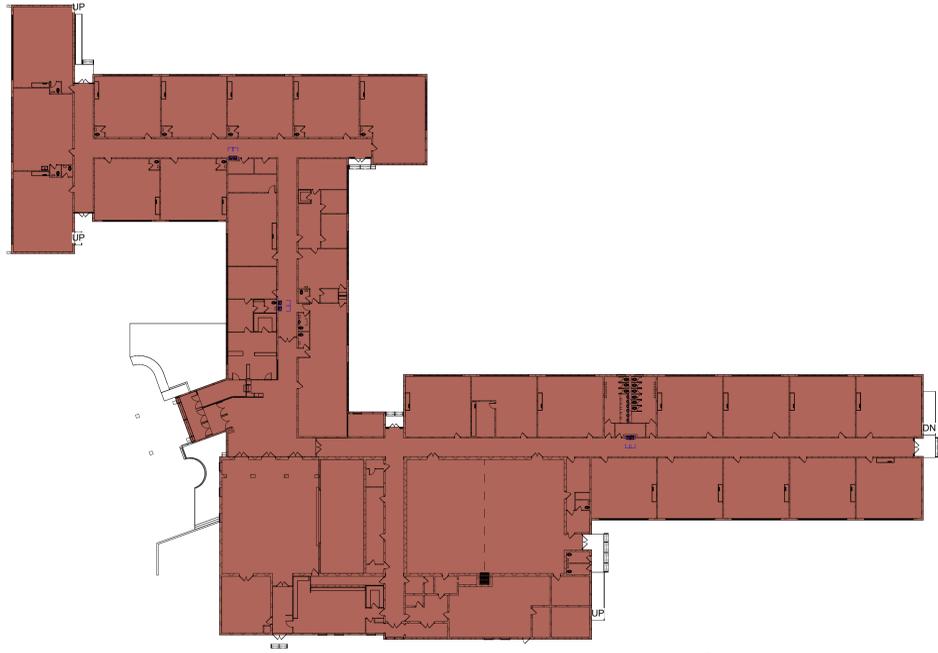
### FIRE AREA MODIFICATIONS (NYS SECTION 506)

**A<sub>a</sub>** ALLOWABLE AREA PER FLOOR (SQUARE FEET)  
**A<sub>t</sub>** TABULAR ALLOWABLE AREA FACTOR (NS, S1, S3 OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)  
**I<sub>f</sub>** 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<sub>a</sub>** 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 506.2  
**L<sub>n</sub>** LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL  
**W<sub>n</sub>** 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)

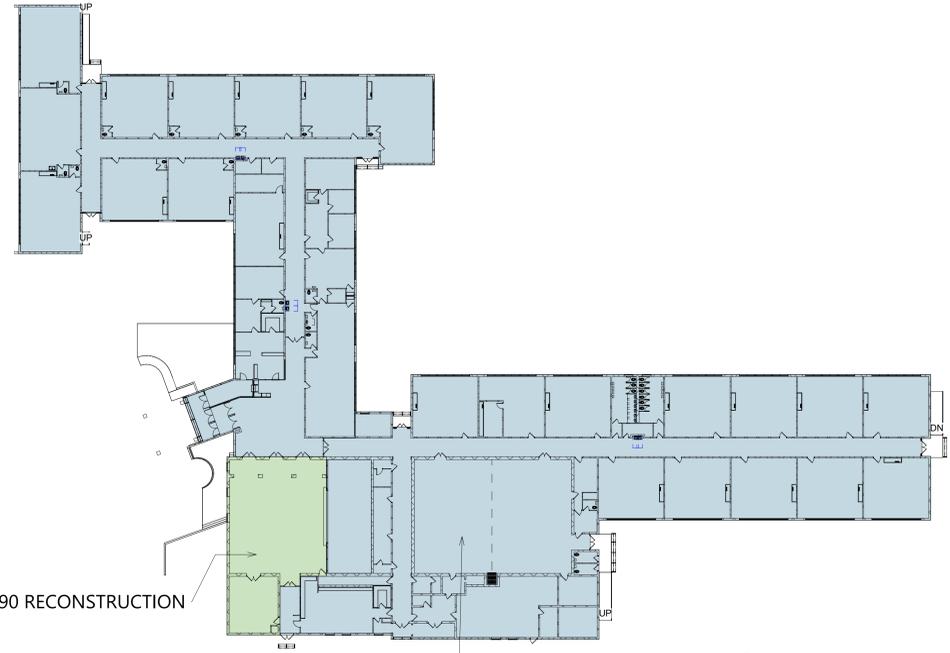
**I<sub>1</sub>** =  $F/P - 0.25(W/30)$       **A<sub>1</sub>** =  $A_a + (NS \times I_1)$   
**I<sub>2</sub>** =  $[100/XX - 0.25] XX/30$       **A<sub>2</sub>** =  $XXX + (XXX \times 0.XX)$   
**I<sub>3</sub>** =  $(0.XX) 1.00$       **A<sub>3</sub>** =  $XXX + (XXX)$   
**I<sub>4</sub>** =  $XX\%$       **A<sub>4</sub>** =  $XXX \text{ sq ft}$



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



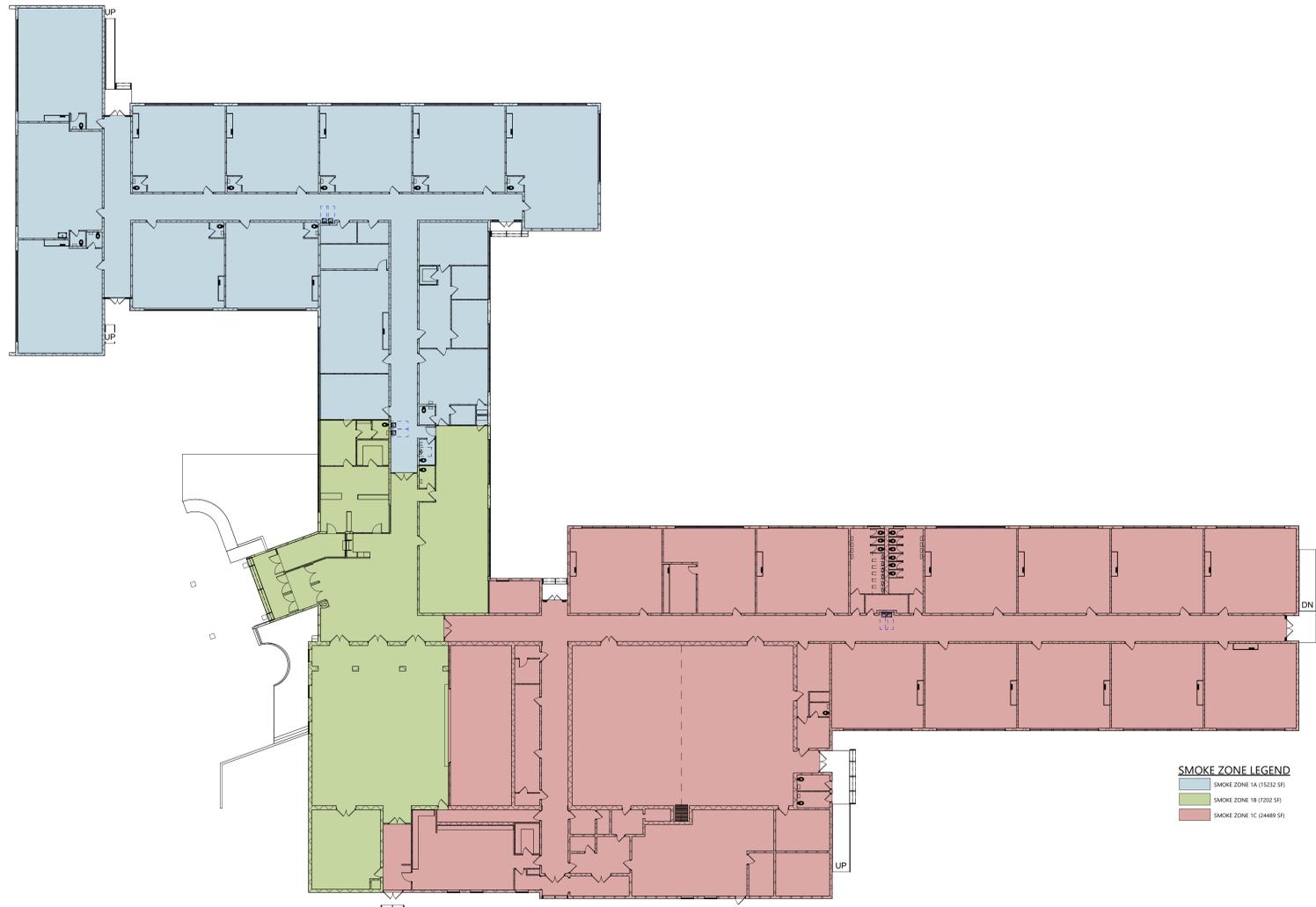
**3** FIRE ZONE PLAN  
LS112 1/32" = 1'-0"



1990 RECONSTRUCTION

1968 ORIGINAL CONSTRUCTION

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



**SMOKE ZONE LEGEND**  
 SMOKE ZONE 1A (15232 SF)  
 SMOKE ZONE 1B (7202 SF)  
 SMOKE ZONE 1C (24489 SF)

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

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Sheet Title

**SMOKE ZONE  
PLANS**

Sheet No.

**ECES  
LS112**

CONSTRUCTION DOCUMENTS

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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 SILLS, FLASHING, AND FASTENERS.
PL.4	REMOVE WALL TO THE EXTENT SHOWN.

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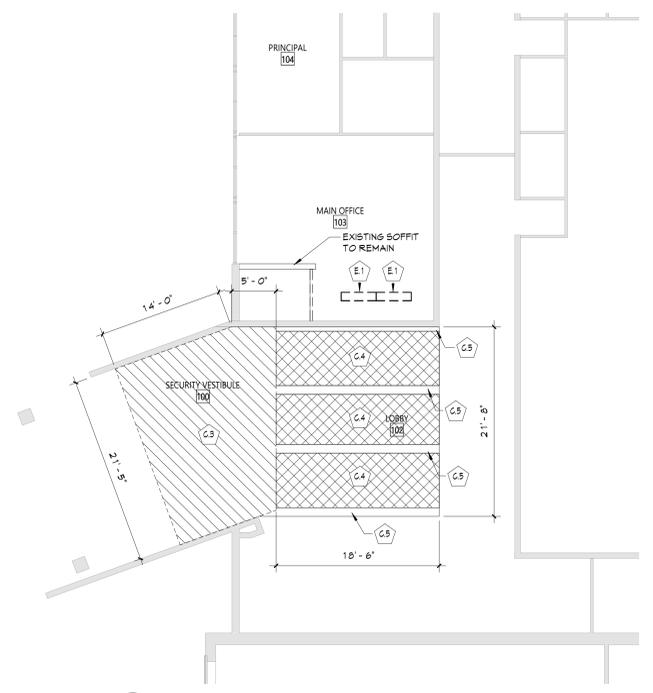
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REV.	DATE	DESCRIPTION

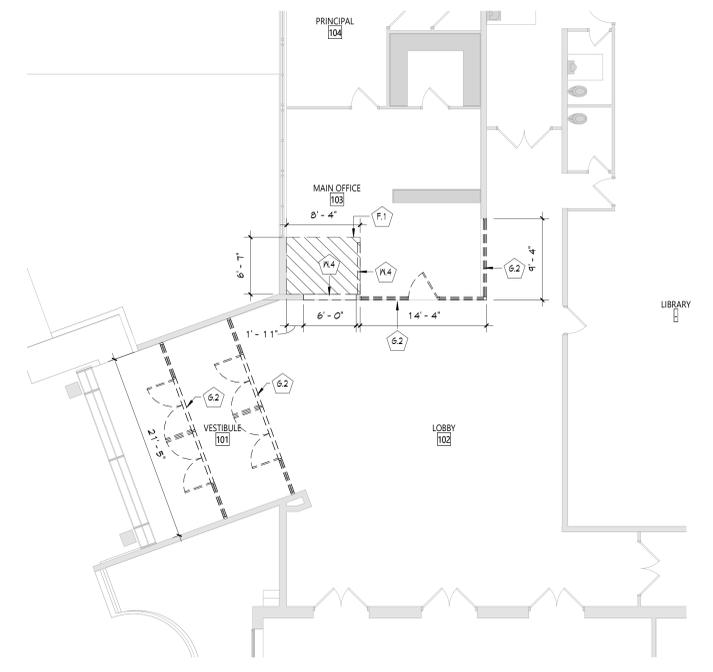
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Sheet Title  
**ENLARGED  
REMOVAL  
PLAN AND  
RCP**

Sheet No.  
**ECES  
AD111**  
CONSTRUCTION DOCUMENTS

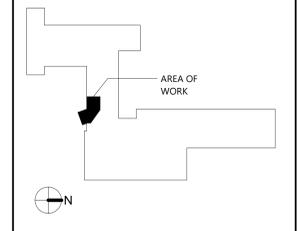


**2** RCP FIRST FLOOR DEMO - SECURITY VESTIBULE  
AD111 1/8" = 1'-0"



**1** DEMOLITION PLAN - FIRST FLOOR - AREA A  
AD111 1/8" = 1'-0"

**KEY PLAN**



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**DISCLAIMER NOTE**

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

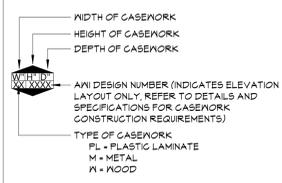
**ABBREVIATIONS**

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CARPET	CARPET
CTB	CERAMIC TILE BASE
CMT	CERAMIC MOUNTING TILE
ETX	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAO/FF	FACTORY FINISH
GWB	GYPSONUM BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONC	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TPP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VVC	VINYL WALLCOVERING
MAF	WOOD ATHLETIC FLOORING
MD	WOOD
NOM	NALK-OFF MAT

**GENERAL 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.

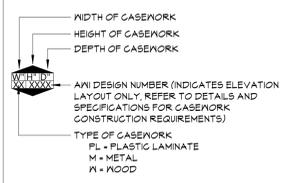
**CASEWORK NOTES**



**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.
3. ALL ELECTRIC, MECHANICAL COMPONENTS AND TELEPHONE PANELS EXPOSED IN A ROOM TO MATCH WALL COLOR.
4. ALL NEW GNB CEILINGS, FASCIAS, AND SOFFITS TO BE PAINTED PNT-2.
5. ALL EXPOSED GROUND FACE CMU LOCATIONS TO RECEIVE GRAFFITI COATINGS, TYPICAL FOR INTERIOR LOCATIONS.

**FINISH KEYS**



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**GENERAL NOTES**

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2. REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAIN WALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.
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**CEILING NOTES**

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

**CEILING LEGEND**



**ELECTRICAL EQUIPMENT**



**NEW WORK KEYNOTES**

#	Description
C1	PROVIDE SUSPENDED APC TILE CEILING.
D8	PROVIDE SPECIFIED ADA PADDLE SWITCH TIED INTO NEWM RELAY AND CONNECTED TO DOOR OPERATOR AS INDICATED. COORDINATE WORK WITH DOOR HARDWARE AND SECURITY VENDOR.
D9	INSTALL POWER SUPPLY/POWER TRANSFER FOR ELECTRIFIED DOOR HARDWARE.
D10	PROVIDE SPECIFIED DOOR OPERATOR AND SPECIFIED SENSING SENSOR TIED INTO NEWM RELAY AND CONNECTED TO ADA PADDLE SWITCH AS INDICATED. COORDINATE WORK WITH DOOR HARDWARE AND SECURITY VENDOR.
E1	LIGHTING. REFER TO ELECTRICAL DRAWINGS.
F4	PROVIDE NEW 12'x12' VGT FLOORING AND RUBBER WALL BASE WHERE FLOORING HAS PREVIOUSLY REMOVED.
PCT	PLAM COUNTER TOP, CONTINUOUS.

**GENERAL NOTES**

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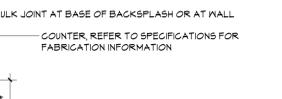
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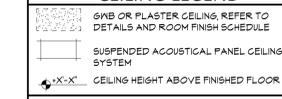
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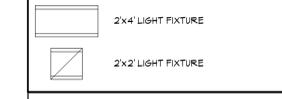
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19 Front St., Newburgh, New York 12550-7601  
845-561-3379 www.csarch.com

Project Title

Expiration Date: 02/28/2025

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

Sheet No. **ECES A111**

CONSTRUCTION DOCUMENTS

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

CS ARCH

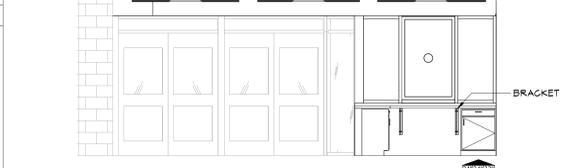
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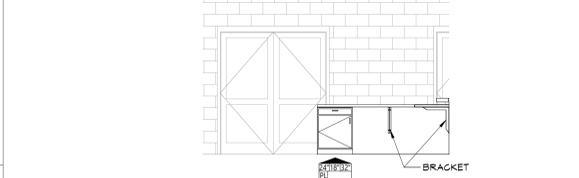
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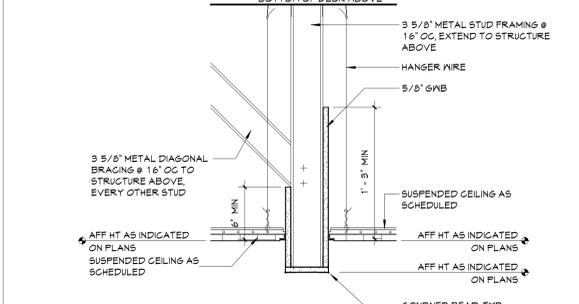
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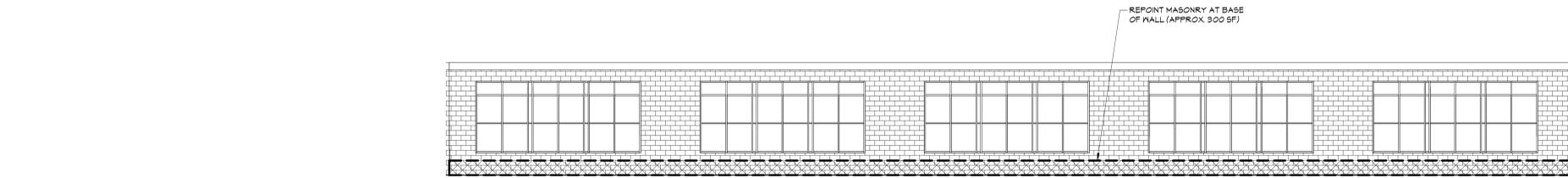
**5 LOBBY ELEVATION - WEST**  
A111 1/4" = 1'-0"



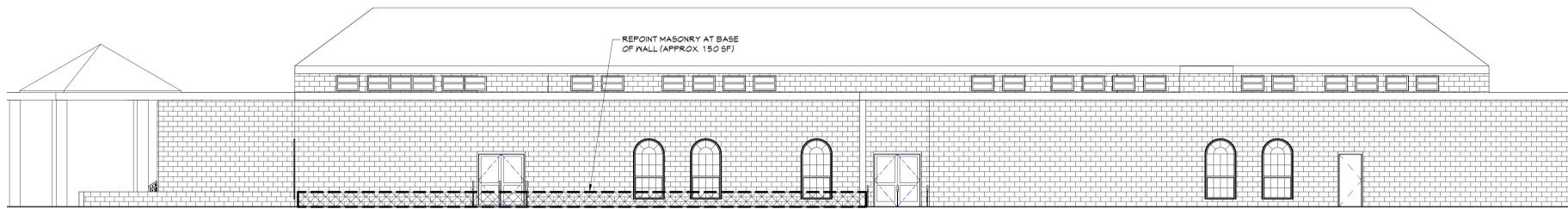
**4 LOBBY ELEVATION - SOUTH**  
A111 1/4" = 1'-0"



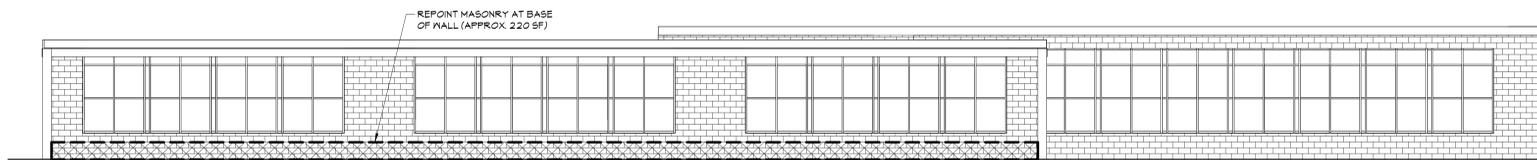
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**3** EXT. ELEVATION - NORTH 2  
A201 1/8" = 1'-0"



**2** EXT. ELEVATION - NORTH 1  
A201 1/8" = 1'-0"



**1** EXT. ELEVATION - EAST 1  
A201 1/8" = 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

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

Sheet Title

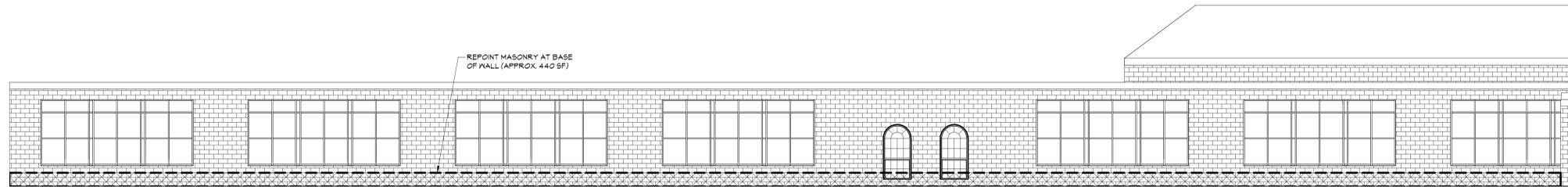
EXTERIOR ELEVATIONS

Sheet No.

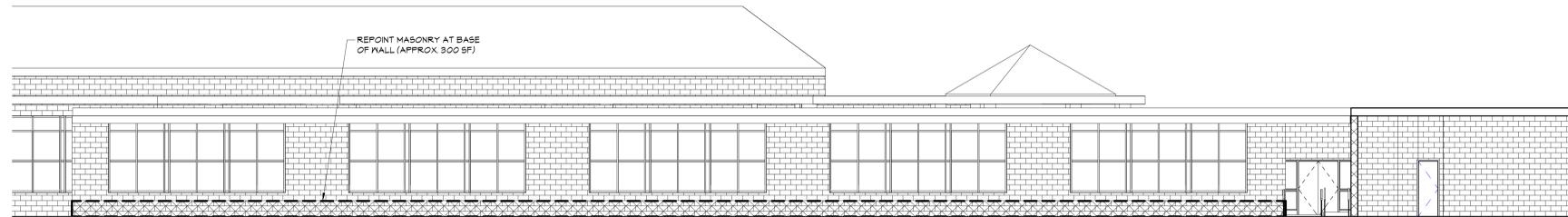
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CONSTRUCTION DOCUMENTS

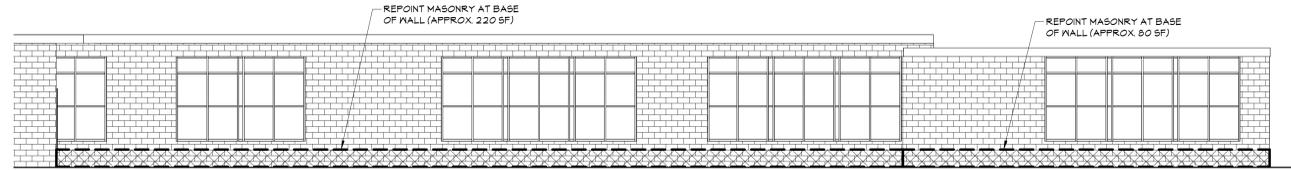
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**1** EXT. ELEVATION - SOUTH 1  
A202 1/8" = 1'-0"



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



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

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**CSARCH**

Consultant

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

Project Title



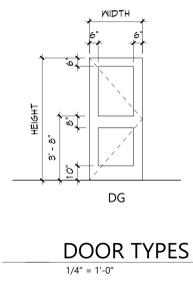
EXPIRATION DATE: 02/28/2025

REV.	DATE	DESCRIPTION

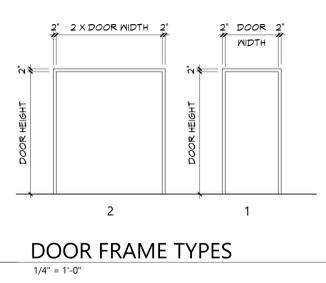
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 Checked By: *[Signature]*      44-13-01-06-0-013-019  
 CSArch Proj. #: 187-2302.01  
 Issued for Bid: 10/18/24

Sheet Title  
**EXTERIOR  
ELEVATIONS**

Sheet No.  
**ECES  
A202**  
CONSTRUCTION DOCUMENTS



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



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

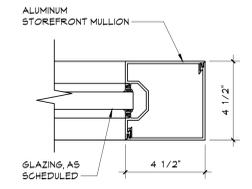
DOOR SCHEDULE														
DOOR NUMBER	QUANTITY	DOOR		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	FRAME		ACCESS CONTROL	DOOR NUMBER	
		FROM	TO							MATERIAL	FINISH			
001		100	SECURITY VESTIBULE	3'-0"	7'-0"	1 3/4"	DG	ALUM	ANOD	ALUM	ANOD	CCL	HW1	001
002		101	VESTIBULE	3'-0"	7'-0"	1 3/4"	DG	ALUM	ANOD	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	FR	HW4	006
007	102	LOBBY	103 MAIN OFFICE	3'-0"	6'-10"	1 3/4"	N	ANOD	ANOD	ANOD	ANOD	FR	HW6	007

**DOOR LITE, GLAZING & PANEL TYPES**

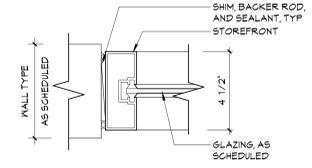
- ① INSULATED GLAZING UNIT
- ② FIRE-PROTECTION-RATED GLAZING. MATCH RATINGS OF OPENING EXISTING. CORRIDOR WALLS ARE PRESUMED 1-HOUR RATED, U.N.C.
- ③ INSULATED SECURITY GLAZING UNIT
- ④ SECURITY GLAZING
- ⑤ FIRE-PROTECTION-RATED SECURITY GLAZING. RATINGS BASED ON MALL OR DOOR RATING
- ⑥ INSULATED LAMINATED/TEMPERED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

**LEGEND**

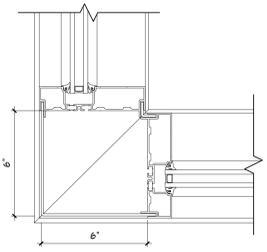
- SH STOREFRONT LABEL
- X WINDOW TAG



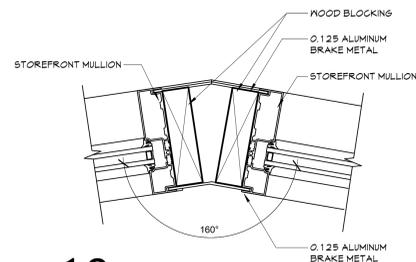
**13 JAMB**  
A901 3" = 1'-0"



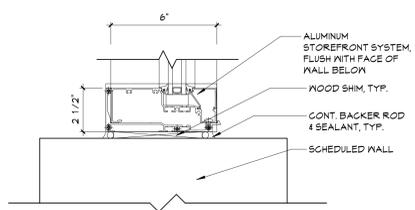
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A901 3" = 1'-0"



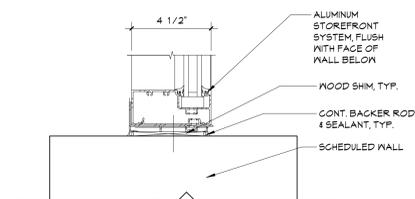
**11 CORNER DETAIL**  
A901 3" = 1'-0"



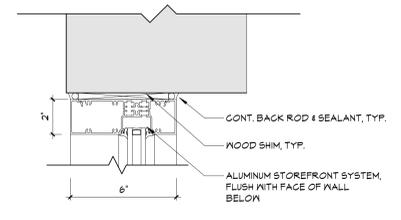
**10 ANGLE MULLION DETAIL**  
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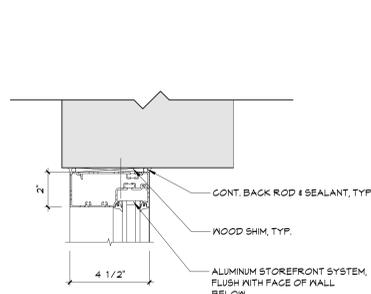
**9 SILL DETAIL**  
A901 3" = 1'-0"



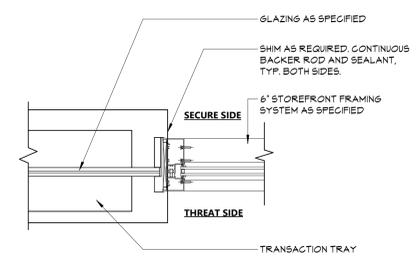
**8 SILL DETAIL**  
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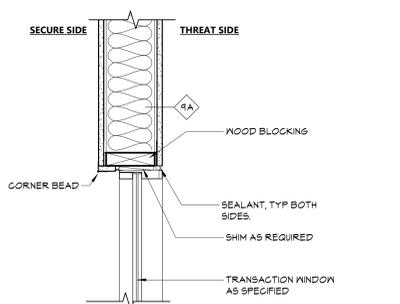
**7 HEAD DETAIL**  
A901 3" = 1'-0"



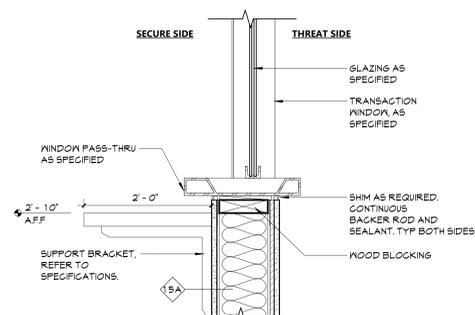
**6 HEAD DETAIL**  
A901 3" = 1'-0"



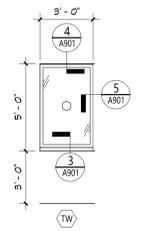
**5 JAMB DETAIL - SECURITY WINDOW**  
A901 1 1/2" = 1'-0"



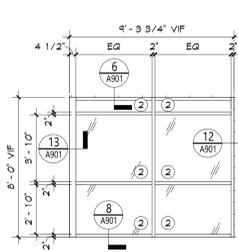
**4 HEAD DETAIL - SECURITY WINDOW**  
A901 1 1/2" = 1'-0"



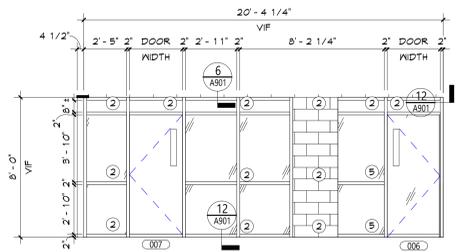
**3 SILL DETAIL - SECURITY WINDOW**  
A901 1 1/2" = 1'-0"



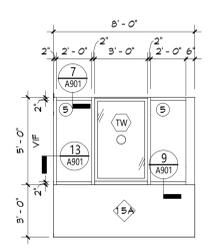
**2 TRANSACTION WINDOW**  
A901 1/4" = 1'-0"



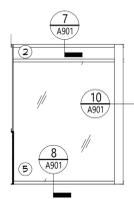
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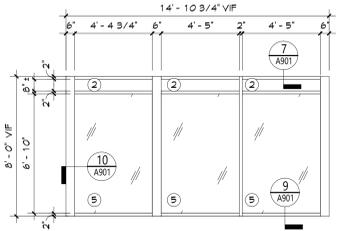
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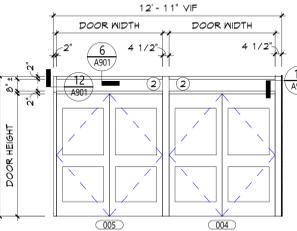
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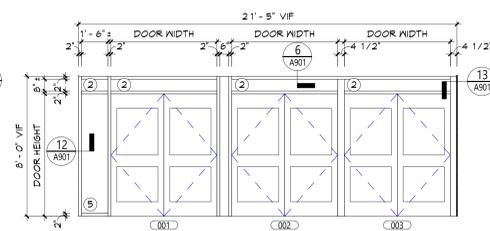
S4



S3



S2



S1

**1 STOREFRONT ELEVATIONS**  
A901 1/4" = 1'-0"

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**CSARCH**

Consultant

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

Project Title



EXPIRATION DATE: 02/28/2025

DATE	DESCRIPTION

Drawn By: ALB  
Checked By: EAB  
Proj. #: 44-13-01-06-013-019  
CSArch Proj. #: 187-2302-01  
Issued for Bid: 10/18/24

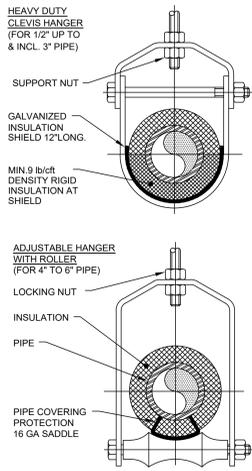
Sheet Title  
**DOOR,  
WINDOW, &  
STOREFRONT  
DETAILS**

Sheet No.  
**ECES  
A901**

CONSTRUCTION DOCUMENTS

C:\Users\jmliller\Documents\187-2302-01 VCSO-ECES\_dmliller2024.rvt

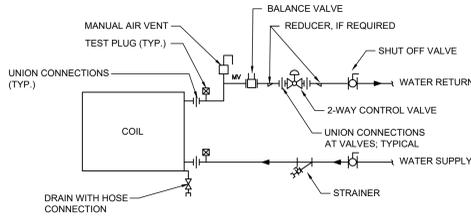
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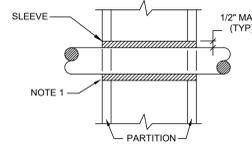
- NOTES:**
- PIPE 6" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
  - FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

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.



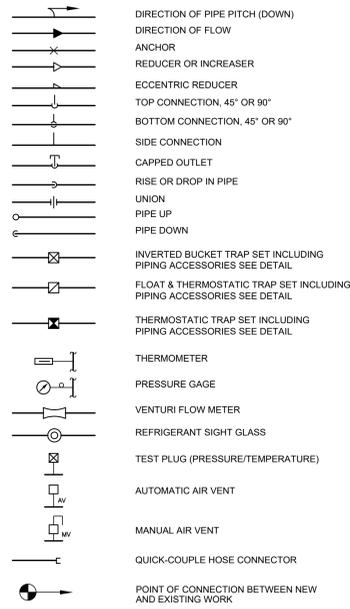
**2** Coil Piping Connection Detail  
M001 Scale: None



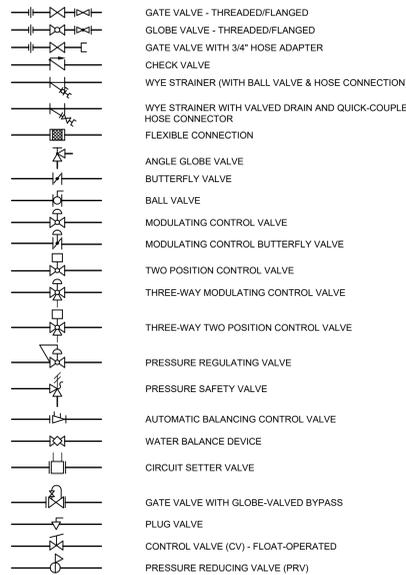
- NOTES:**
- AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
  - DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

**3** Pipe Penetrations Detail  
M001 N.T.S.

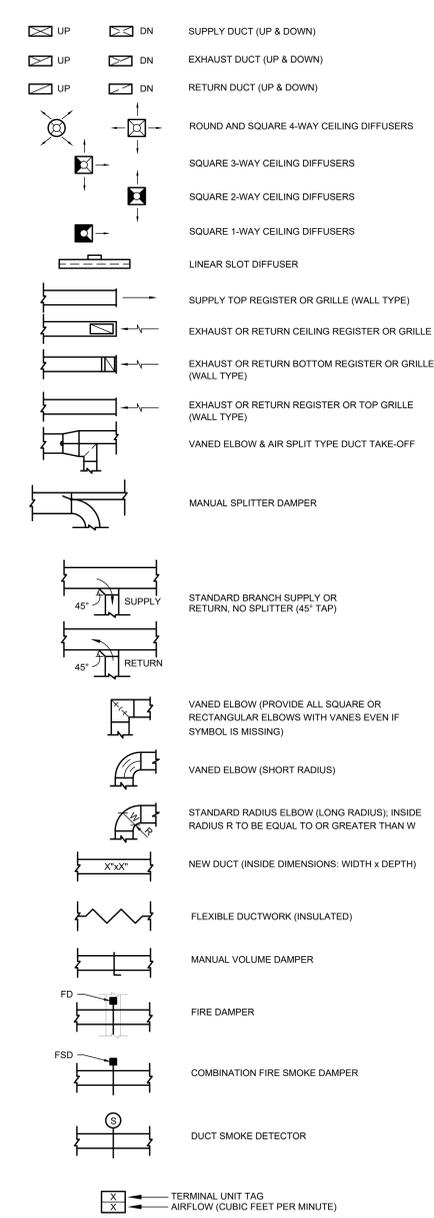
**General Symbols:**



**Valve Symbols:**



**Mechanical Legend :**



**Mechanical Notes:**

- 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.
- 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.
- THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
- 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.
- ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- 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.
- 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.
- 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.
- 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.
- ALL PIPING SHALL BE PITCHED SUCH THAT AIR IN THE SYSTEM CAN BE VENTED THROUGH MANUAL AIR VENTS.
- 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.
- SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
- INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL TO ALL FIXTURES AND EQUIPMENT.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- INSTALL TURNING VANES ON ALL RECTANGULAR TURNS. TURNING VANES SHALL BE DOUBLE THICKNESS TYPE CONSTRUCTED IN ACCORDANCE WITH SMACNA MANUAL.
- 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.
- 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.
- THE ENTIRE AIR DISTRIBUTION SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED AIRFLOW REQUIREMENTS.
- 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.
- 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.
- 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.

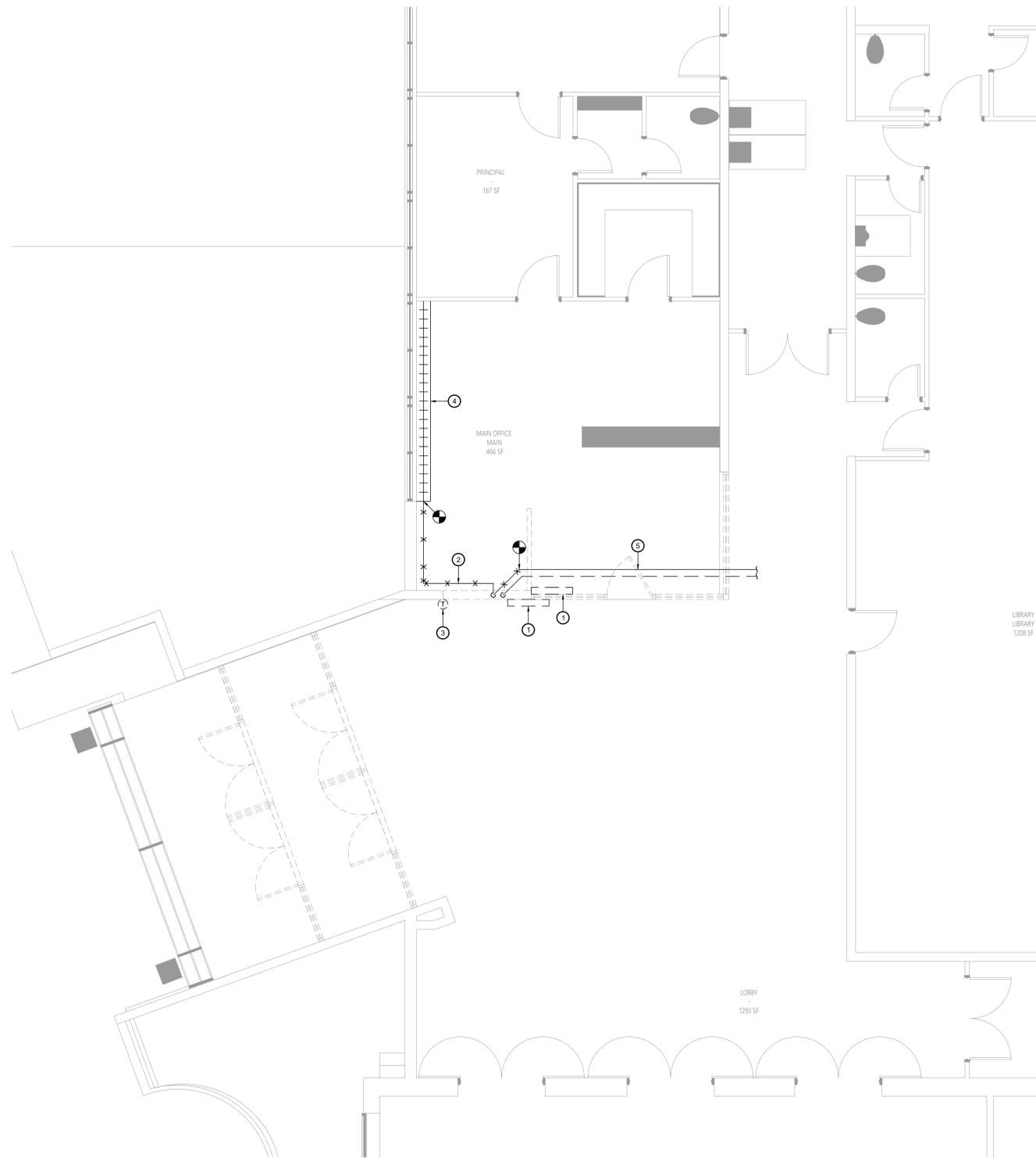


DATE	DESCRIPTION

Drawn By: BJK  
Checked By: BJK  
Proj. #: 44-13-01-06-0103-019  
CSArch Proj. #: 187-2302.01  
Issued for Bid: 10/18/24

Sheet Title  
**MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS**

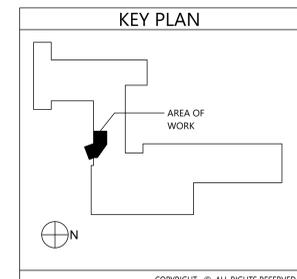
Sheet No.  
**ECES M001**



**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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NO.	DATE	DESCRIPTION

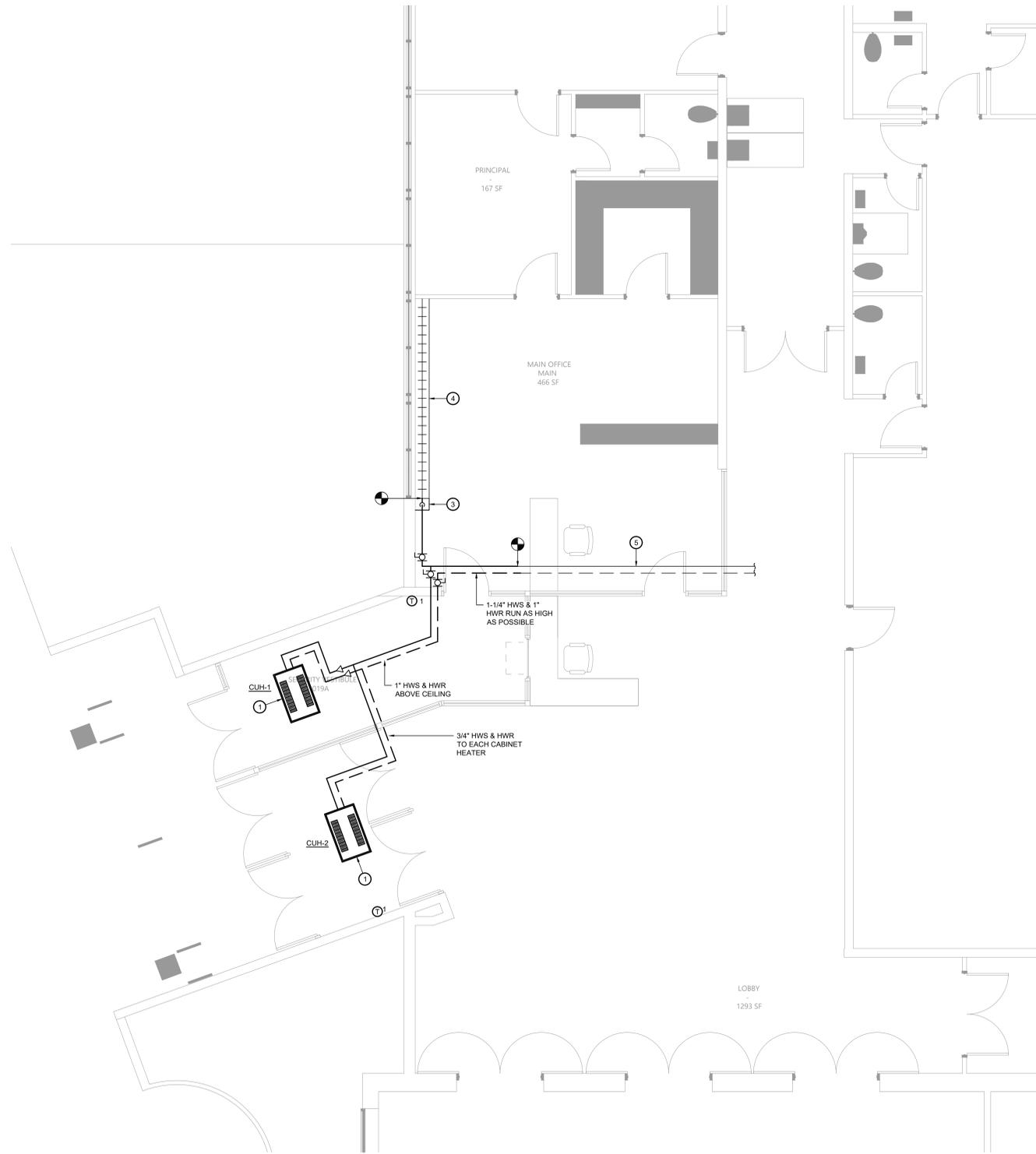
Drawn By: BJK  
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 Proj. #: 44-13-01-06-0-013-019  
 CSArch Proj. #: 187-2302.01  
 Issued for Bid: 10/18/24

Sheet Title  
**MECHANICAL DEMOLITION PLAN**

Sheet No.  
**ECES MD111**

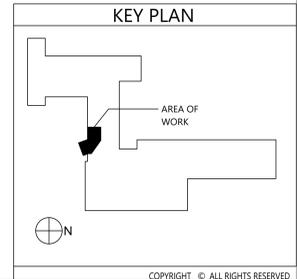
CONSTRUCTION DOCUMENTS

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- Key Notes:**
- ① INSTALL CEILING MOUNTED CABINET UNIT HEATER IN NEW VESTIBULE; CONNECT TO HOT WATER PIPING & CONTROLS
  - ② CONNECT TO EXISTING HOT WATER PIPING & EXTEND NEW PIPING TO NEW UNIT HEATERS & EXISTING FINNED TUBE
  - ③ PROVIDE POWDER COATED METAL PIPING ENCLOSURE ALONG WALL W/ 1-1/4" HWS PIPING DN. TO EXISTING FINNED TUBE
  - 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 Plan  
M111 Scale: 1/4" = 1'-0"



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



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Checked By: BJK  
Proj. #: 44-13-01-06-0-013-019  
CSArch Proj. #: 187-2302.01  
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Sheet Title  
**MECHANICAL PLAN**

Sheet No.  
**ECES M111**  
CONSTRUCTION DOCUMENTS



#	DATE	DESCRIPTION

Drawn By: BJK  
 Checked By: BJK  
 Proj. #: 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**

CONSTRUCTION DOCUMENTS

**ELECTRICAL NOTES:**

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- ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
- 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.
- 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.
- EQUIPMENT AND MATERIALS FOR WHICH UNDERWRITERS LABORATORIES, INC. (UL) PROVIDES PRODUCT LISTING SERVICE SHALL BE LISTED AND BEAR THE LISTING MARK.
- 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.
- 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).
- 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.
- 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.
- LIGHTING LOADS SHALL NOT BE COMBINED ON THE SAME CIRCUIT AS ANY OTHER ELECTRICAL LOADS.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

**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
- 
- 20A 120V DUPLEX WALL MOUNTED RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER
- 20A 120V QUADRAPLEX RECEPTACLE
- WALL MOUNTED SPECIAL PURPOSE RECEPTACLE
- 20A 120V WALL MOUNTED USB CHARGER RECEPTACLE TYPICAL OF HUBBELL USB20X OR ACCEPTABLE EQUAL
- FLOOR MOUNTED BOX W/ DUPLEX RECEPTACLE; FLUSH MOUNTED
- FLOOR MOUNTED BOX W/ DUPLEX RECEPTACLE & 2 PORT ETHERNET OUTLET; FLUSH MOUNTED
- FLOOR MOUNTED BOX W/ QUAD RECEPTACLE & 2 PORT ETHERNET OUTLET; FLUSH MOUNTED
- 
- 
- 
- SWITCH  
 BLANK = SINGLE POLE                      2 = DOUBLE POLE  
 3 = THREE-WAY                              4 = FOUR-WAY  
 D = DIMMER                                      K = KEY OPERATED  
 P = WITH PILOT LIGHT                      PB = PUSH BUTTON  
 T = TIMER OPERATED                      WP = WEATHER PROOF  
 X = EXPLOSION PROOF                      OC = OCCUPANCY SENSOR
- DUAL TECHNOLOGY OCCUPANCY SENSOR
- DAYLIGHT SENSOR
- 

**FIRE ALARM LEGEND:**

- HORN/STROBE DEVICE, ONE ASSEMBLY; MTD, 80\"/>
- STROBE DEVICE, MTD, 80\"/>
- MANUAL PULL STATION; MTD, 48\"/>
- 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\"/>
- ADDRESSABLE FIRE ALARM CONTROL PANEL
- FIRE ALARM ANNUNCIATOR PANEL
- REMOTE TEST SWITCH & LED FOR DUCT SMOKE DETECTORS
- FIRE ALARM RELAY

**SECURITY LEGEND:**

- PANIC BUTTON - 1814 SHIELDED
- INTERCOM
- DOOR RELEASE BUTTON - 16/2 SHIELDED
- WORKSTATION FOR CARD ACCESS & VIDEO SYSTEM
- CARD READER - 22/6 SHIELDED
- REQUEST TO EXIT - 1814 SHIELDED
- MAGNETIC DOOR CONTACT - 16/2 SHIELDED
- ELECTRIC LOCK - 16/2 SHIELDED

TAG	SYMBOL	MANUFACTURER & MODEL	TYPE	VOLTAGE	# OF LAMPS	LAMP WATTS	FIXTURE WATTS	MOUNTING	SIZE	NOTES
A		HE WILLIAMS 6\"/>	LED	120	1	13.8	13.8	RECESSED	6\"/>	4000K COLOR TEMPERATURE; REMODEL KIT
B-EM		HE WILLIAMS VOLTAIRE ARCHITECTURAL WALL PACK VWPH-L30740-T3-DBZ-SDGL-EM10WC-DIM-UNV	LED	120	1	36	36	SURFACE WALL MOUNT	12\"/>	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-L30740-AD-DIM-UNV	LED	120	1	25.8	25.8	RECESSED	2\"/>	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 AMPACITY	POSITION	L1 KVA	L2 KVA	L3 KVA	POSITION	CONDUCTORS	CONNECTED LOAD
EXISTING LOAD	EXISTING WIRING	20	1	-	-	-	2	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	3	-	-	-	4	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	5	-	-	-	6	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	7	-	-	-	8	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	9	-	-	-	10	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	11	-	-	-	12	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	13	-	-	-	14	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	15	-	-	-	16	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	17	-	-	-	18	20	EXISTING WIRING
EXISTING LOAD	EXISTING WIRING	20	19	-	-	-	20	20	EXISTING WIRING
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  
 Scale: None  
 E001

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.

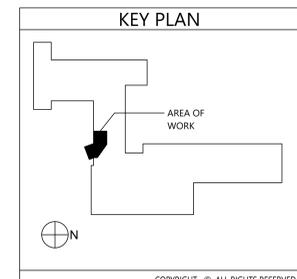
POWER RECEPTACLES (INTERIOR)	18\"/>
POWER RECEPTACLES (EXTERIOR)	36\"/>
POWER RECEPTACLES (@ COUNTER)	44\"/>
LIGHT SWITCHES	44\"/>
DISCONNECT SWITCHES	SEE NEC 404.8(A)
TELEPHONE/DATA RECEPTACLES	18\"/>
TELEPHONE/DATA RECEPTACLES (@ COUNTER)	44\"/>
WALL TELEPHONE RECEPTACLES	48\"/>
FIRE ALARM PULL STATIONS	42\"/>
FIRE ALARM AUDIO/VISUAL DEVICES	80\"/>
EXIT LIGHTS (WALL MOUNTED)	12\"/>
EMERGENCY LIGHTS (WALL MOUNTED)	90\"/>
TV & AV OUTLETS	18\"/>
NOTE: ALL DIMENSIONS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED	



**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 ANNIUNCIATOR 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

1 Electrical Demolition Plan  
ED111 Scale: 1/4" = 1'-0"



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

Project Title



REV.	DATE	DESCRIPTION

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

Sheet Title

ELECTRICAL DEMOLITION PLAN

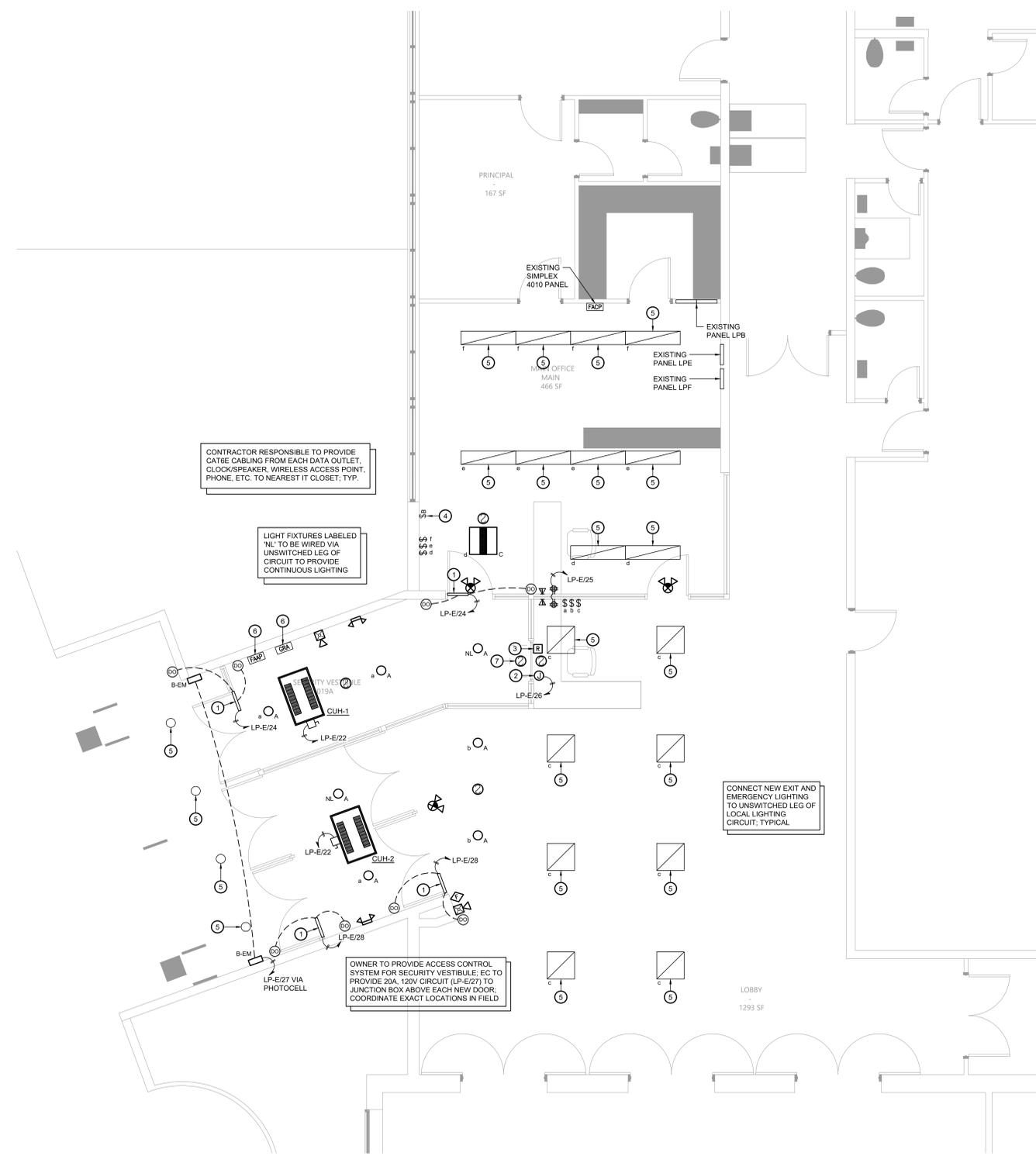
Sheet No.  
**ECES ED111**

CONSTRUCTION DOCUMENTS

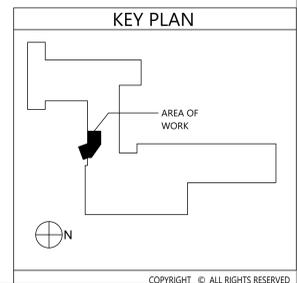
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**Key Notes:**

- 1 ADA DOOR OPERATORS PROVIDED BY GC; EC TO PROVIDE ALL 120V LINE VOLTAGE POWER TO OPERATOR & CONTROL DEVICES; GC TO PROVIDE ALL LOW VOLTAGE CONTROLS
- 2 PROVIDE NEW 120V ELECTRICAL CONNECTION FOR FIRE SHUTTER
- 3 FIRE ALARM RELAY; FIRE SHUTTER TO CLOSE UPON ACTIVATION OF FIRE ALARM
- 4 PROVIDE NEW BELL CONTROL SWITCH; EXTEND CONDUIT & WIRING AS NEEDED TO CONNECT TO EXISTING CIRCUIT; SEE KEYNOTE 11 ON SHEET ED111 FOR ADDITIONAL INFORMATION
- 5 EXISTING LIGHT FIXTURE TO REMAIN; PROVIDE NEW SWITCH(ES) AS SHOWN; CONNECT TO EXISTING CIRCUIT
- 6 EXISTING FIRE ALARM ANNUNCIATOR PANEL & GRAPHIC DISPLAY TO REMAIN; TEMPORARILY REMOVE, PROTECT & STORE DURING CONSTRUCTION; REINSTALL AFTER COMPLETION OF VESTIBULE
- 7 PROVIDE SMOKE DETECTORS ON BOTH SIDES OF THE AUTOMATIC FIRE SHUTTER AT THE TRANSACTION WINDOW; CONNECT TO THE EXISTING BUILDING FIRE ALARM SYSTEM



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



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