

VALLEY CENTRAL SCHOOL DISTRICT MAYBROOK ALTERNATIVE LEARNING CENTER 2023 CAPITAL PROJECT - PHASE 1

ISSUED FOR BID: 10/18/24

CSARCH - ARCHITECTS

BLAKE ENGINEERING, PLLC - M.E.P. ENGINEERS

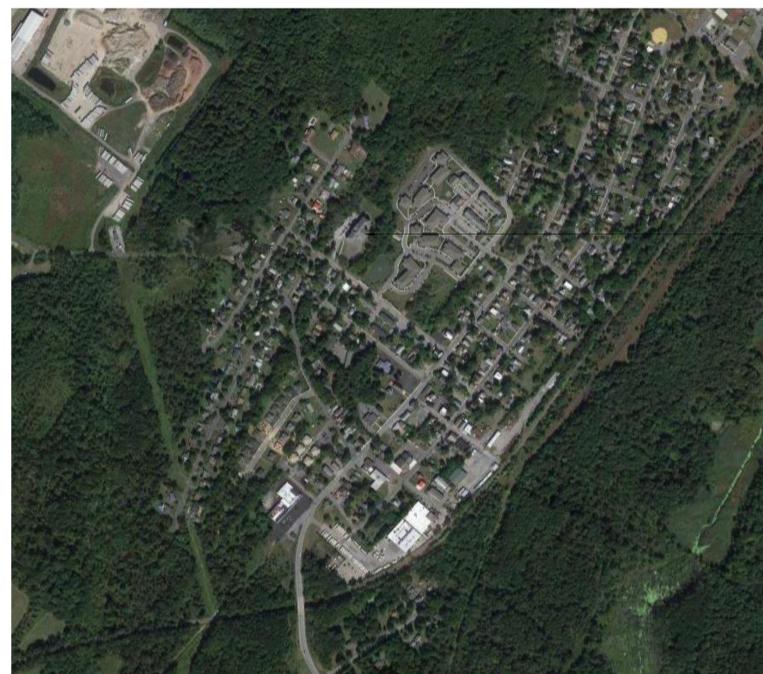
PASSERO ASSOCIATES - SITE/CIVIL AND STRUCTURAL ENGINEERS

AECC ENVIRONMENTAL CONSULTING - HAZARDOUS MATERIALS DESIGNERS

STATE EDUCATION DEPARTMENT PROJECT CONTROL NUMBER:
2023 CAPITAL PROJECT - PHASE 1 44-13-01-06-0-002-013

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



Maybrook Alternative Learning Center
141 Union St,
Montgomery, NY 12549

NTS



VICINITY MAP

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EXPIRATION DATE: 02/28/2025

VOLUME 4 OF 8

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADMIN	ADMINISTRATIVE
AF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
AV	AUDIO VISUAL
BLDG	BUILDING
BOT OR B/	BOTTOM OF
BSMT	BASEMENT
CJ	CONTROL / CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONF	CONFERENCE
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
ED	EDUCATION
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELECT	ELECTRIC / ELECTRICAL
ELEV	ELEVATION
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EXST	EXISTING
EJ	EXPANSION JOINT
EXT	EXTERIOR
FIN	FINISH
FIN FL	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FRT	FIRE-RETARDANT-TREATED MATERIAL
FTS	FOOTING
G	GROUND
GA	GAUGE
GAL	GALLONS
GALV	GALVANIZE(D)
GC	GENERAL CONTRACTOR
GWB	GYPSON WALL BOARD
GWBS	GYPSON WALL BOARD SOFFIT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTS	HEATING
HVAC	HEATING/VENTILATING/AIR CONDITIONING
ID	INSIDE DIMENSION
INH	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
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
PLYND	PLYWOOD
PNL	PANEL
PNT	PAINT
POLYISO	POLYISOCYANURATE
PPT	PRESSURE PRESERVATIVE TREATED
PR	PAIR
PREP	PREPARATORY
FTN	PARTITION
PVC	POLYVINYL CHLORIDE
RAD	RADIUS
REQD	REQUIRED
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
SGH	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SM	SMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAG	SUSPENDED ACOUSTICAL CEILING
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TECH	TECHNOLOGY
TEMP	TEMPORARY
TMPD	TEMPERED
TOM	TOP OF MASONRY
TOS	TOP OF STEEL
TYF	TYPICAL
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W/O	WITHOUT
WD	WOOD
WPT	WOOD PRESERVED-TREATED MATERIAL
WST	WEIGHT
YD	YARD

ARCHITECTURAL LEGEND

MATERIAL INDICATIONS

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

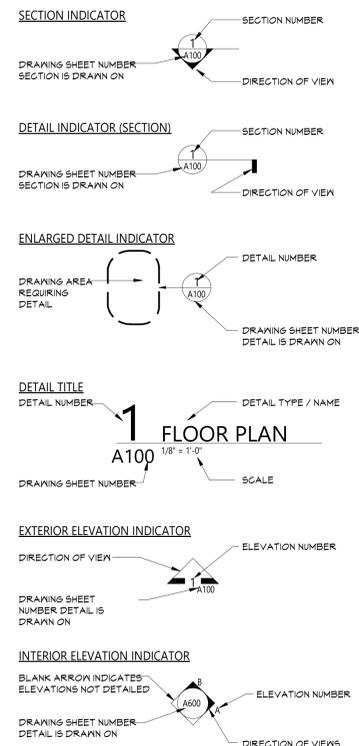
DIMENSIONING CONVENTIONS



SYMBOLS

	CLASSROOM
	ROOM NAME
	ROOM NUMBER
	AREA OF ROOM
	DOOR NUMBER, REFER TO A100 DRAWINGS
	WINDOW TAG, REFER TO A100 DRAWINGS
	BORROWED LIGHT NUMBER, REFER TO A100 DRAWINGS
	STOREFRONT / CURTAIN WALL NUMBER, REFER TO A100 DRAWINGS
	COLUMN GRID DESIGNATION
	PARTITION TAG, REFER TO A100 DRAWINGS
	HOUR RATING OF PARTITION
	ADDITIONAL NOTES FOR PARTITION
	REVISION NUMBER
	KEY NOTE, NEW WORK
	KEY NOTE, DEMOLITION WORK
	ELEVATION TAG
	HANDICAPPED ACCESSIBLE ELEMENT OR FIXTURE
	ROOM NAME
	INTERIOR FINISH TAG, REFER TO A100 DRAWINGS
	WALL FINISH
	BASE FINISH
	FLOOR FINISH

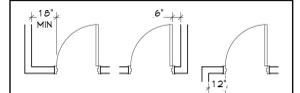
DETAIL INDICATOR LEGEND



PLAN GRAPHICS LEGEND

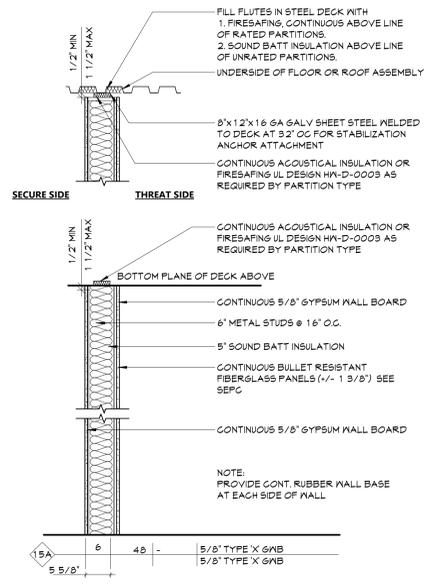
	EXISTING CONSTRUCTION TO REMAIN
	EXISTING CONSTRUCTION TO BE REMOVED
	NEW CONCRETE MASONRY WALL
	NEW METAL STUD WALL
	NEW BRICK VENEER
	EXISTING DOOR TO REMAIN
	EXISTING DOOR TO BE REMOVED
	NEW DOOR

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

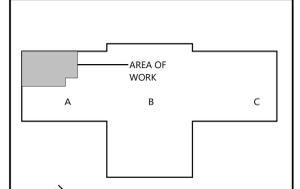


GENERAL NOTES

- 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 H' DWGS FOR SMOKE / FIRE DAMPER REQUIREMENTS.
- FOR INTERIOR PARTITION TYPES, REFER TO DRAWING 6001.
- FOR DOOR SCHEDULE, REFER TO DRAWING A101.
- FOR FINISH SCHEDULE, REFER TO DRAWING A121.
- 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



NO.	DATE	DESCRIPTION

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Sheet Title
SYMBOLS, ABBREVIATIONS, MISC AND PARTITION TYPES

Sheet No.
MAY G001

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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 FIRST FLOOR PLAN
G111 1/8" = 1'-0"

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

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VALLEY CENTRAL SCHOOL DISTRICT
MAYBROOK ALTERNATIVE LEARNING CENTER
2023 CAPITAL PROJECT - PHASE 1

Project Title



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Sheet Title
OVERALL FLOOR PLAN - FIRST FLOOR

Sheet No.
MAY G111

CONSTRUCTION DOCUMENTS



DATE	DESCRIPTION

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Sheet Title

LIFE SAFETY PLAN - FIRST FLOOR

Sheet No.

MAY
LS111

CONSTRUCTION DOCUMENTS

LIFE SAFETY PLAN LEGEND

- PRIMARY EXIT
- SECONDARY EXIT
- RESQUE WINDOW (SECONDARY EXIT)
- ACCESSIBLE EXIT
- RESQUE 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 MALL

CODE NARRATIVE:

ORIGINAL CONSTRUCTION: 1980
CONSTRUCTION TYPE: IB
FIRST FLOOR AREA: 16,438 SF GROSS
SECOND FLOOR AREA: 16,438 SF GROSS
THIRD FLOOR AREA: 16,442 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

FIRE AREA MODIFICATIONS (NYS SECTION 506)

A_a ALLOWABLE AREA PER FLOOR (SQUARE FEET)

A₁ TABULAR ALLOWABLE AREA FACTOR (NS, S1, S13R OR S13D VALUE) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)

I_f AREA FACTOR INCREASE DUE TO FRONTAGE AS CALCULATED IN ACCORDANCE WITH SECTION 506.3 (PERCENT)

NS TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDING

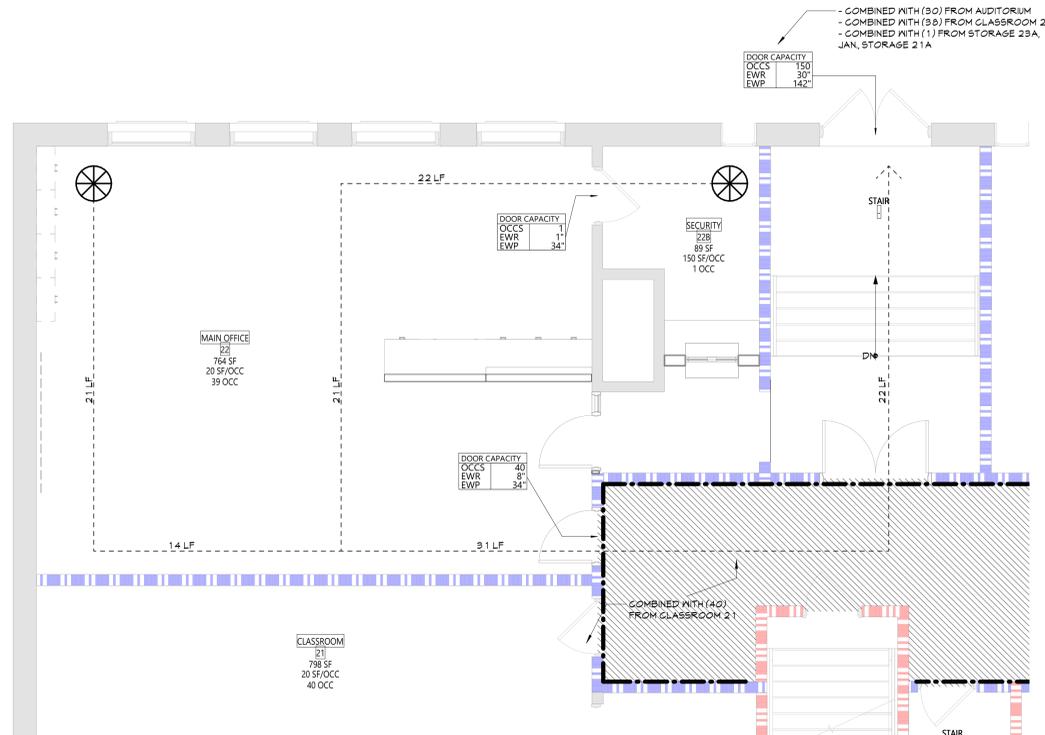
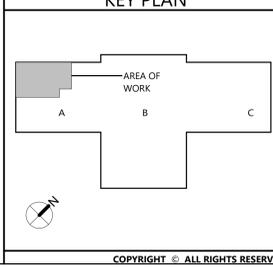
S_a ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE PLANE, NOT TO EXCEED THREE

W CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.3.2

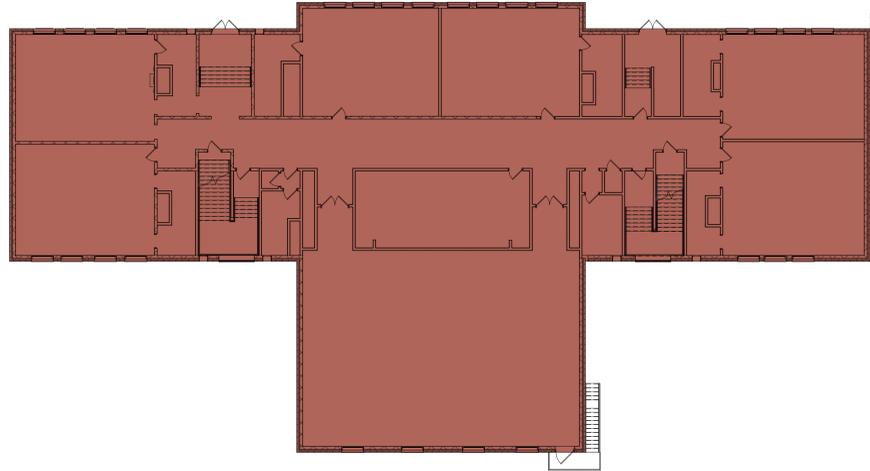
L_n LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL WITH THAT PORTION OF THE EXTERIOR PERIMETER WALL BUILDING PERIMETER THAT FRONTS ON A PUBLIC WAY OR OPEN SPACE HAVING A WIDTH OF 20 FEET OR MORE

P PERIMETER OF ENTIRE BUILDING (FEET)

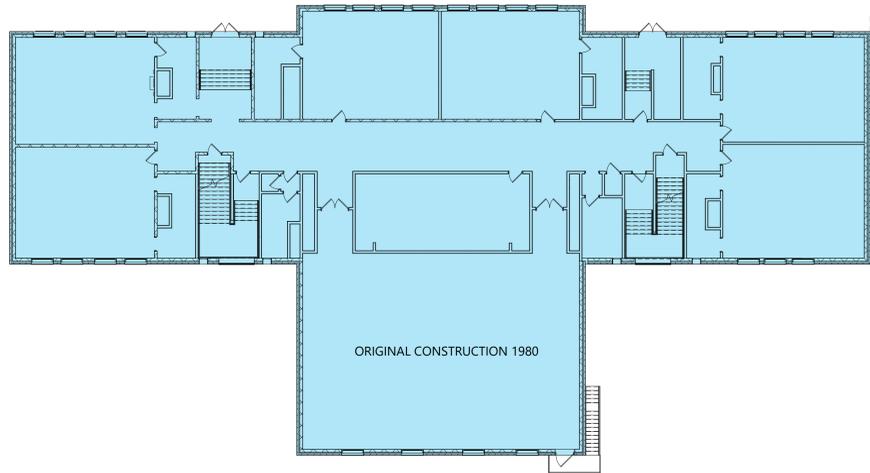
I₁ = F/P - 0.25W/30 A₁ = A_a + (NS x I₁)
I₂ = [100/XX - 0.25] XX/30 A₂ = XXX + (XXX x 0.XX)
I₃ = [0.XX] 1.00 A₃ = XXX + (XXX)
I₄ = XXX% A₄ = XXX sq ft



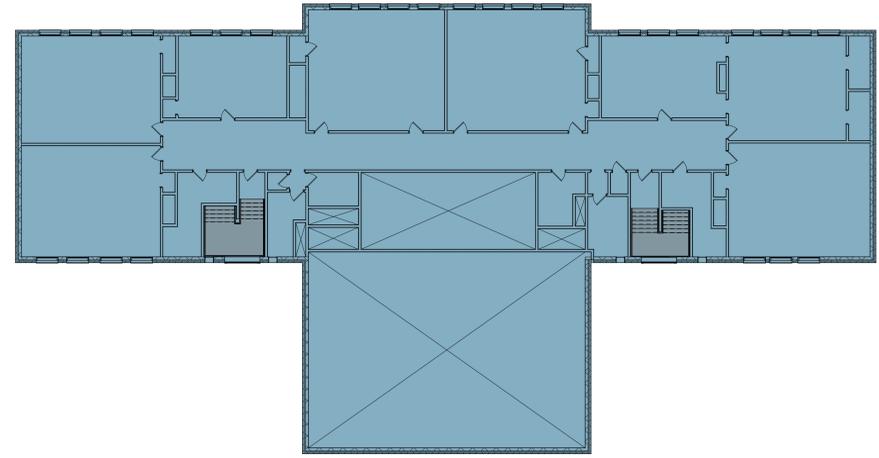
1 AREA A - FIRST FLOOR LIFE SAFETY PLAN
LS111 1/4" = 1'-0"



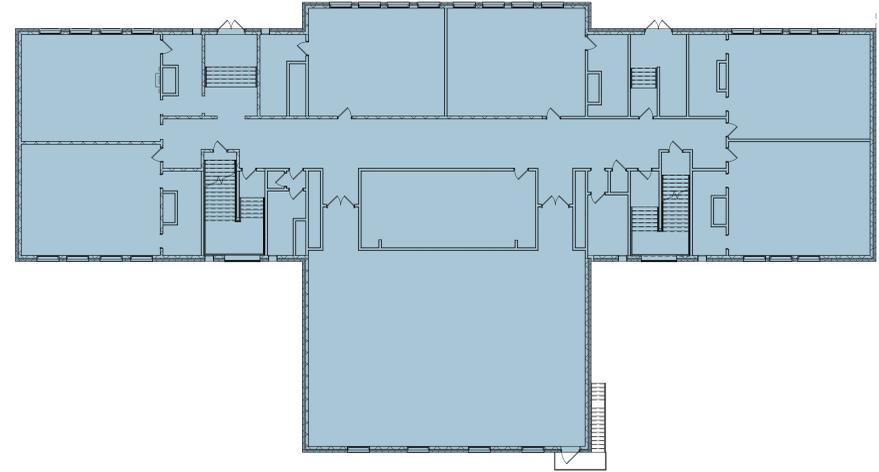
4 FIRE ZONE PLAN
LS112 1/16" = 1'-0"



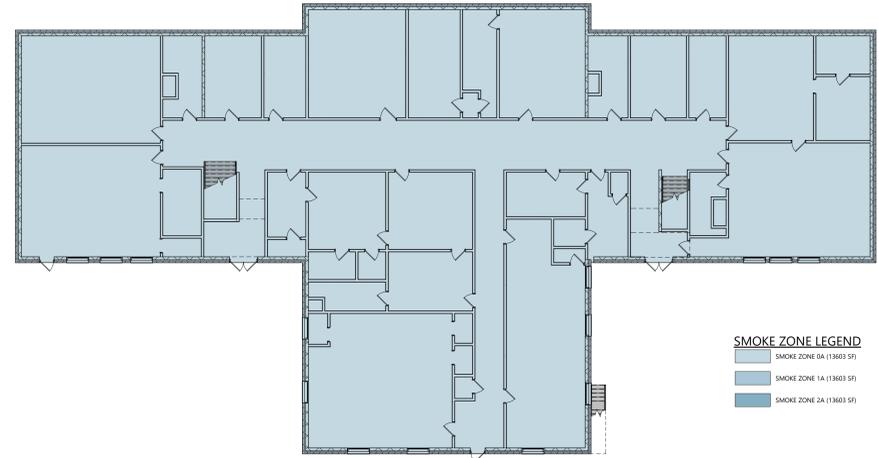
5 VINTAGE PLAN
LS112 1/16" = 1'-0"



3 SMOKE ZONE SECOND FLOOR
LS112 1/16" = 1'-0"



2 SMOKE ZONE FIRST FLOOR
LS112 1/16" = 1'-0"

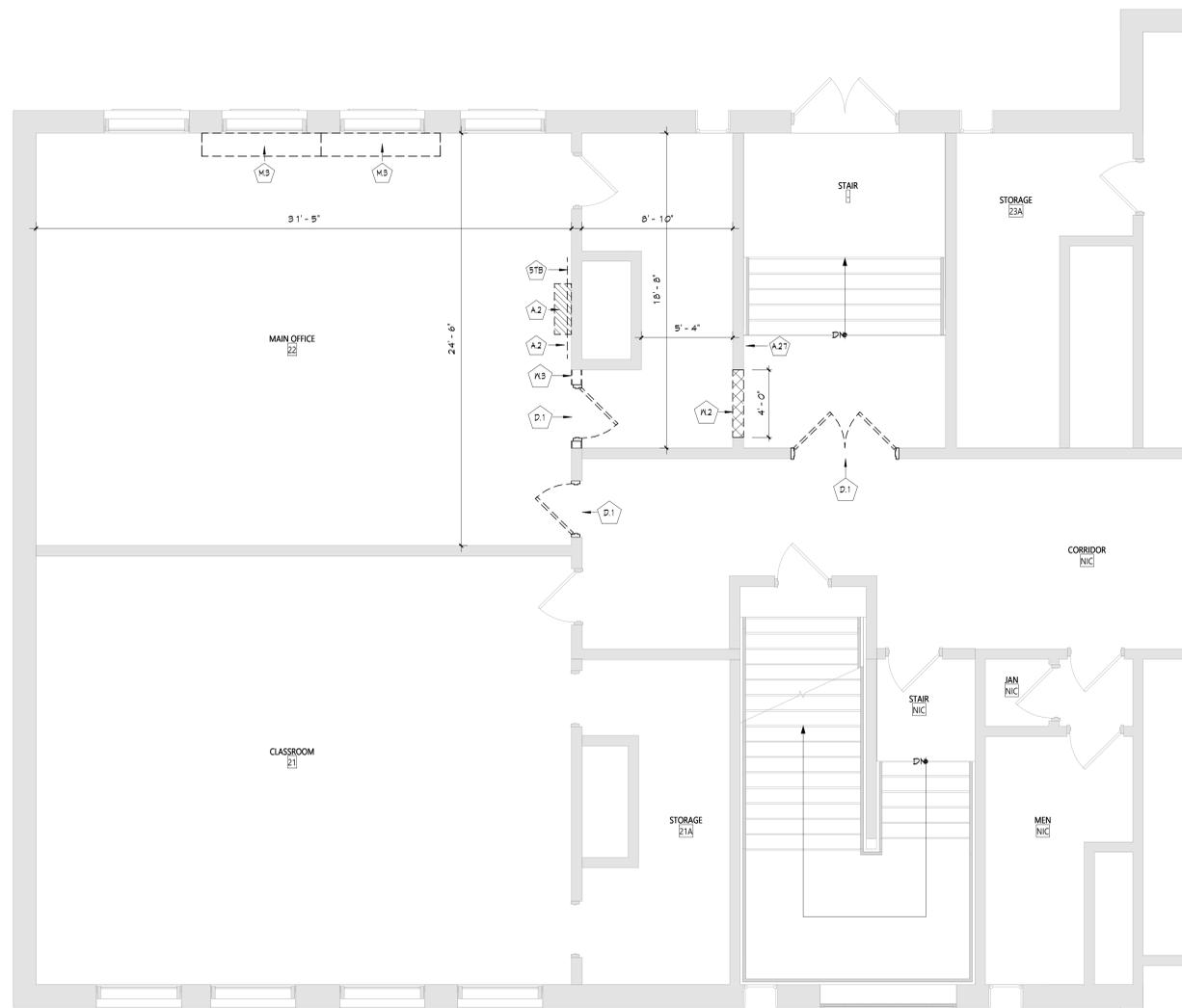


1 SMOKE ZONE BASEMENT FLOOR
LS112 1/16" = 1'-0"

SMOKE ZONE LEGEND
 SMOKE ZONE 0A (13603 SF)
 SMOKE ZONE 1A (13603 SF)
 SMOKE ZONE 2A (13603 SF)

DATE	DESCRIPTION

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1 AREA A - PARTIAL FIRST FLOOR REMOVAL PLAN
AD121 1/4" = 1'-0"

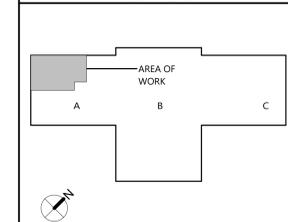
GENERAL NOTES

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 SANGUT OPENING PRIOR TO SANGUTTING, TO PREVENT CUTTING INTO SCHEDULED CONSTRUCTION TO REMAIN.

DEMOLITION KEYNOTES

#	Description
A.2	REMOVE CASEWORK IN ITS ENTIRETY, INCLUDING ALL BLOKING, FASTENERS, AND BASE TRIM. REFER TO MEP DRAWINGS FOR ADDITIONAL REMOVALS.
A.2.1	EXISTING PLAQUES TO BE CAREFULLY REMOVED AND STORED FOR FUTURE INSTALLATION.
D.1	REMOVE DOOR, HARDWARE, AND FRAME IN ITS ENTIRETY.
M.3	MECHANICAL UNIT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
P.2	SANGUT AND REMOVE MASONRY WALL FOR EXTENT SHOWN, COORDINATE REMOVAL WITH NEW WORK.
P.3	REMOVE STUD PARTITION IN ITS ENTIRETY.

KEY PLAN



Consultant

**VALLEY CENTRAL SCHOOL DISTRICT
MAYBROOK ALTERNATIVE LEARNING CENTER
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Project Title



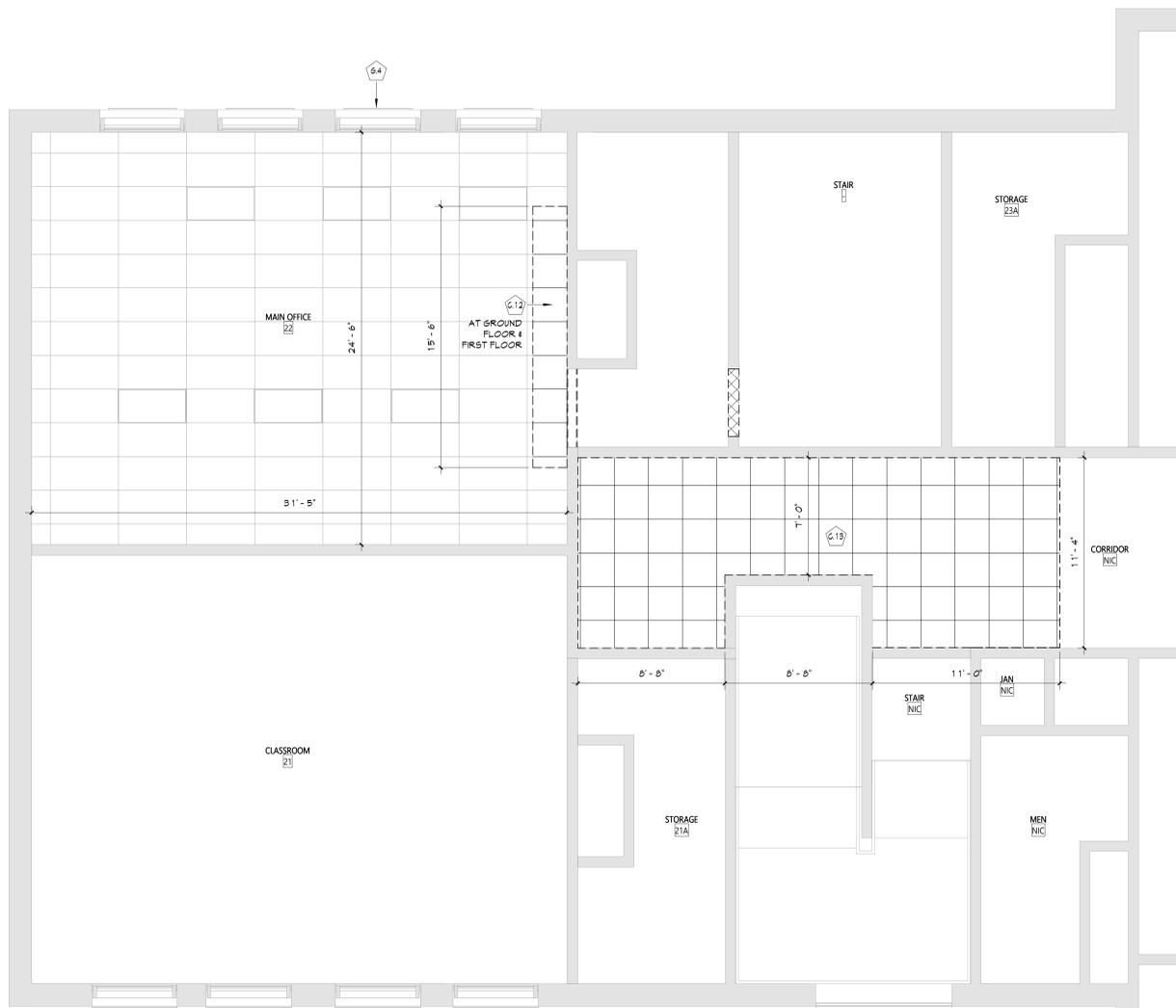
EXPIRATION DATE: 02/28/2025

REV.	DATE	DESCRIPTION

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Issued for Bid: 10/18/24

Sheet Title
**ENLARGED
REMOVAL
PLAN - FIRST
FLOOR - AREA
A**

Sheet No.
**MAY
AD121**



1 SECOND FLOOR REFLECTED CEILING DEMO PLAN - AREA A
AD821 1/4" = 1'-0"

DEMOLITION KEYNOTES	
#	Description
6.12	TEMPORARILY REMOVE EXISTING CEILING TO ACCOMMODATE MEP WORK. SALVAGE AND REINSTALL AFTER MEP WORK IS COMPLETE.
6.13	REMOVE EXISTING SUSPENDED CEILING AND HARD CEILING IN ITS ENTIRETY, INCLUDING ALL FRAMING AND FASTENERS. REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR EQUIPMENT REMOVALS.
6.4	REMOVE TRANSOM PANEL ABOVE WINDOW. TRANSOM PANEL TO BE MODIFIED AND REINSTALLED.

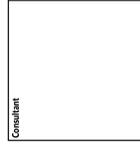
KEY PLAN

AREA OF WORK
A B C

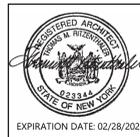
REFLECTED REMOVAL PLAN - FIRST FLR - AREA A

Sheet No. **MAY AD821**

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Issued for Bid: *10/18/24*

Sheet Title
ENLARGED FLOOR PLAN - FIRST FLOOR - AREA A
Sheet No.
MAY A121
CONSTRUCTION DOCUMENTS

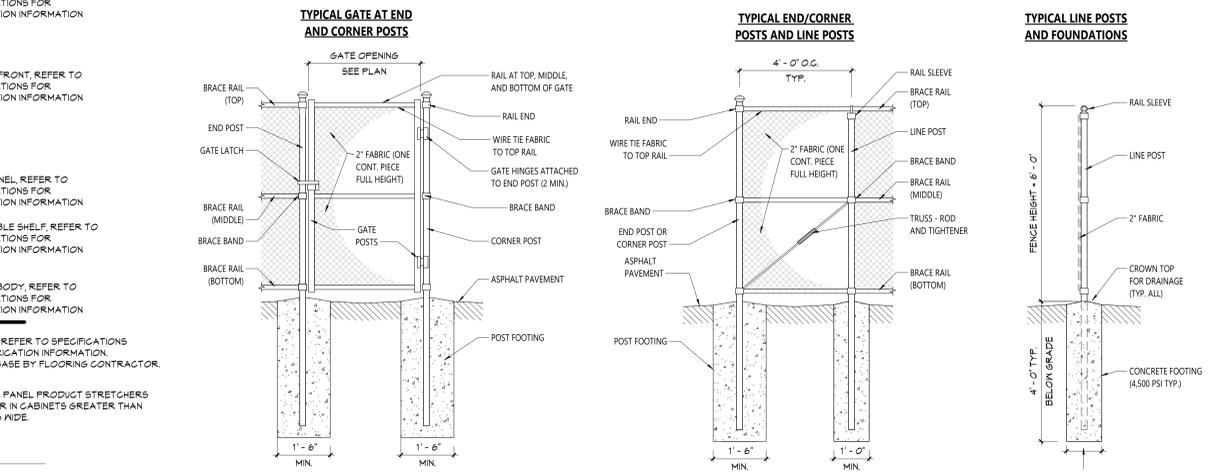
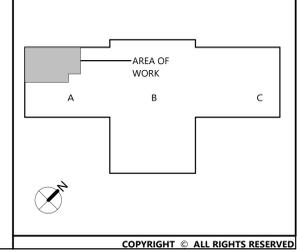
GENERAL NOTES

- REFER TO SHEET 0001 FOR ADDITIONAL GENERAL NOTES.
- REFER TO A900 SERIES DRAWINGS FOR DOOR, STOREFRONT, CURTAINWALL, WINDOW AND LOUVER SCHEDULES, DETAILS AND NOTES.
- REFER TO SHEET 0001 FOR PARTITION TYPES AND ADDITIONAL NOTES.

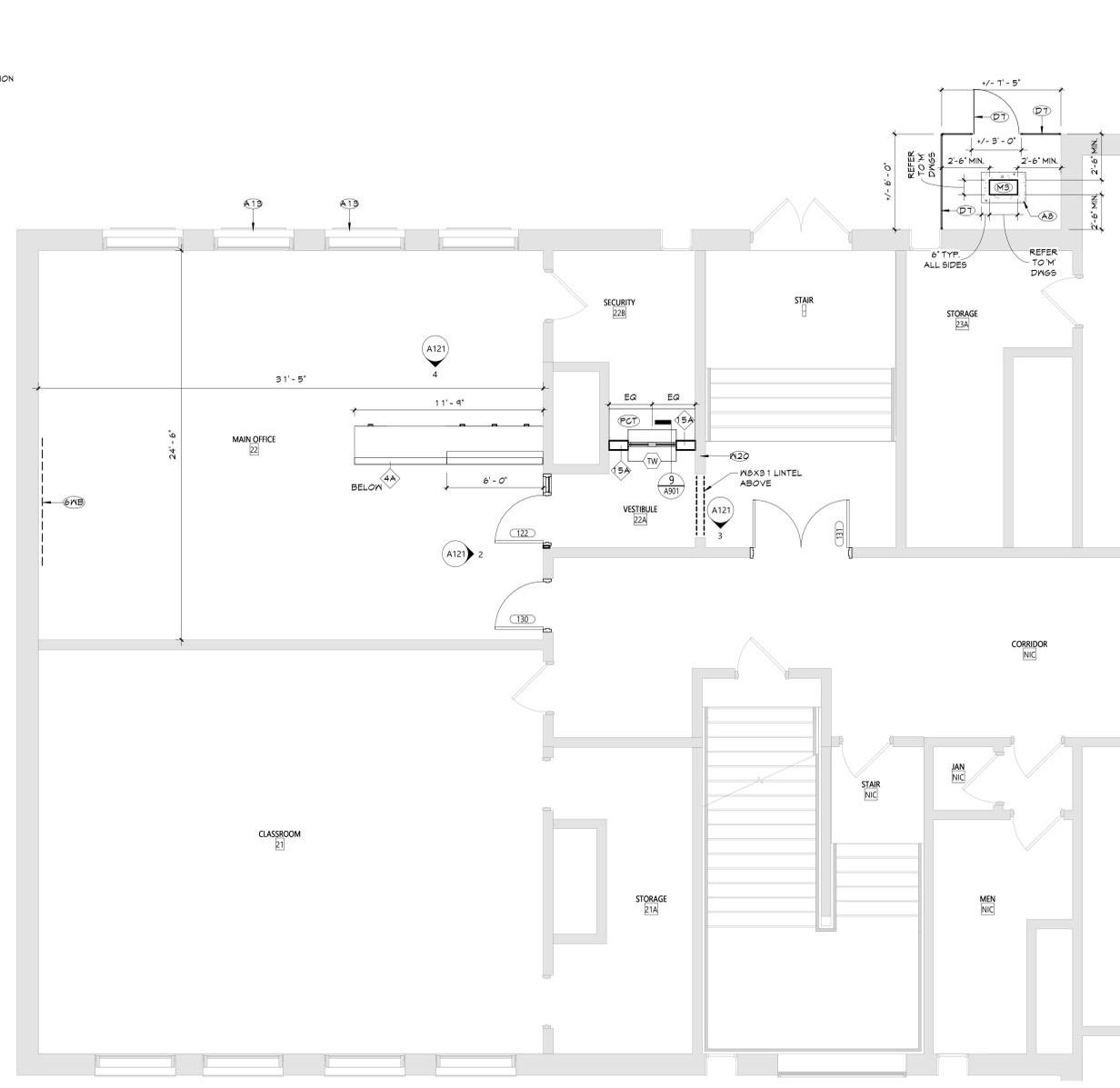
NEW WORK KEYNOTES

#	Description
6MB	WHITEBOARD, 6'
A8	PROVIDE NEW CONCRETE EQUIPMENT PAD FOR MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL DRAWINGS.
A13	PATCH WALL TO MATCH WHERE MECHANICAL UNIT WAS PREVIOUSLY REMOVED.
D7	PROVIDE NEW CHAIN LINK FABRIC AT GATE AND FENCING POSTS.
M3	MECHANICAL EQUIPMENT, REFER TO MEP DRAWINGS.
PCT	FLAM COUNTER TOP, CONTINUOUS
SMB	SCHEDULED WALL BASE
R20	REINSTALL SALVAGED PLAQUES IN NEW LOCATION. VERIFY LOCATION WITH OWNER.

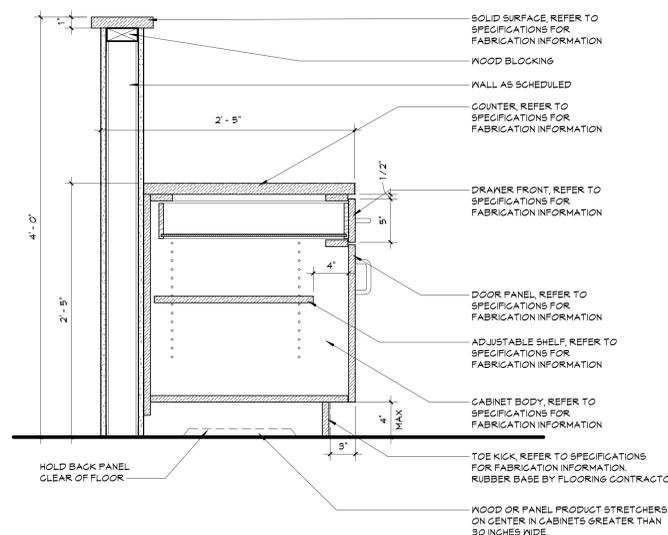
KEY PLAN



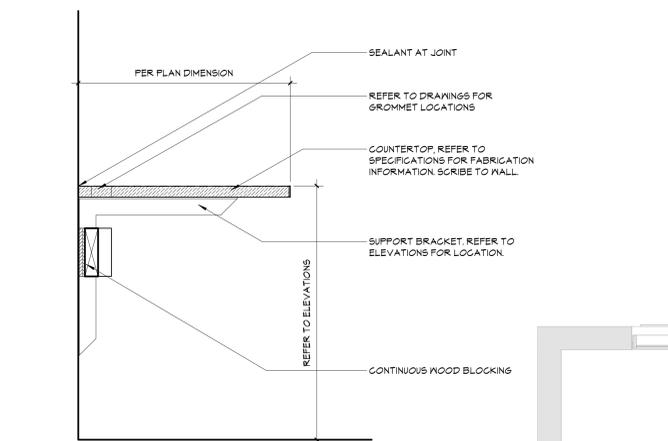
9 DETAIL - CHAIN LINK FENCE AND GATE
A121 1/2" = 1'-0"



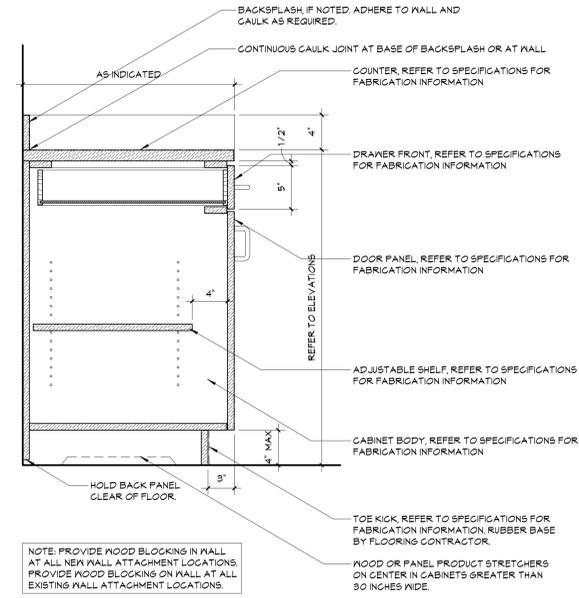
1 AREA A - PARTIAL FIRST FLOOR PLAN
A121 1/4" = 1'-0"



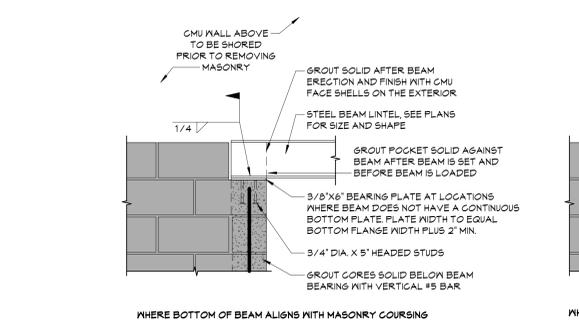
8 RECEPTION DESK DETAIL
A121 1 1/2" = 1'-0"



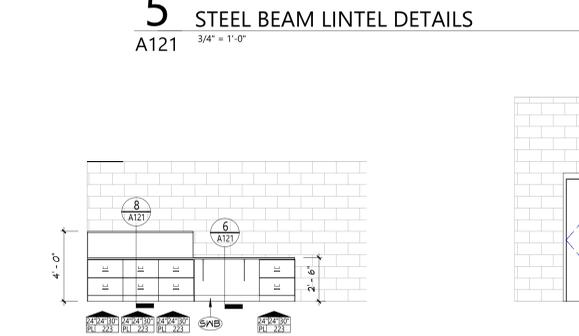
6 COUNTER DETAIL
A121 1 1/2" = 1'-0"



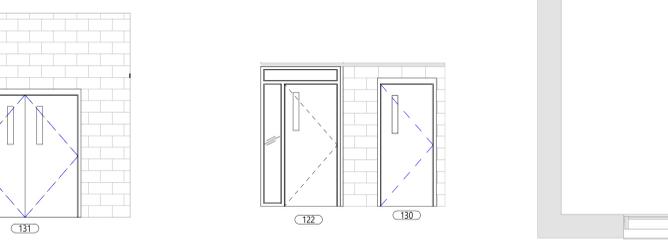
7 CASEWORK DETAIL
A121 1 1/2" = 1'-0"



5 STEEL BEAM LINTEL DETAILS
A121 3/4" = 1'-0"



4 MAIN OFFICE 22 ELEVATION - SOUTH
A121 1/4" = 1'-0"



3 INT. ELEV. - SOUTH
A121 1/4" = 1'-0"

2 INT. ELEV. - EAST
A121 1/4" = 1'-0"

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
MAYBROOK ALTERNATIVE LEARNING CENTER
2023 CAPITAL PROJECT - PHASE 1

Project Title



EXPIRATION DATE: 02/28/2025

DATE	DESCRIPTION

Drawn By: *[Signature]* Auditor
Checked By: *[Signature]* Checked By:
Proj. #: 44-13-01-06-0-002-013
CSArch Proj. #: 187-2302.01
Issued for Bid: 10/18/24

Sheet Title
REFLECTED
CEILING PLAN
- FIRST FLOOR
- AREA A

Sheet No.
MAY
A821
CONSTRUCTION DOCUMENTS

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

- GMB OR PLASTER CEILING, REFER TO DETAILS AND ROOM FINISH SCHEDULE
- SUSPENDED ACOUSTICAL PANEL CEILING SYSTEM
- CEILING HEIGHT ABOVE FINISHED FLOOR

ELECTRICAL EQUIPMENT, REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

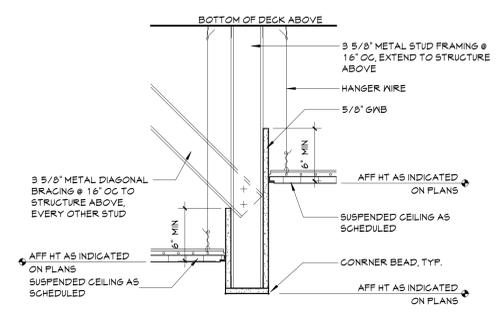
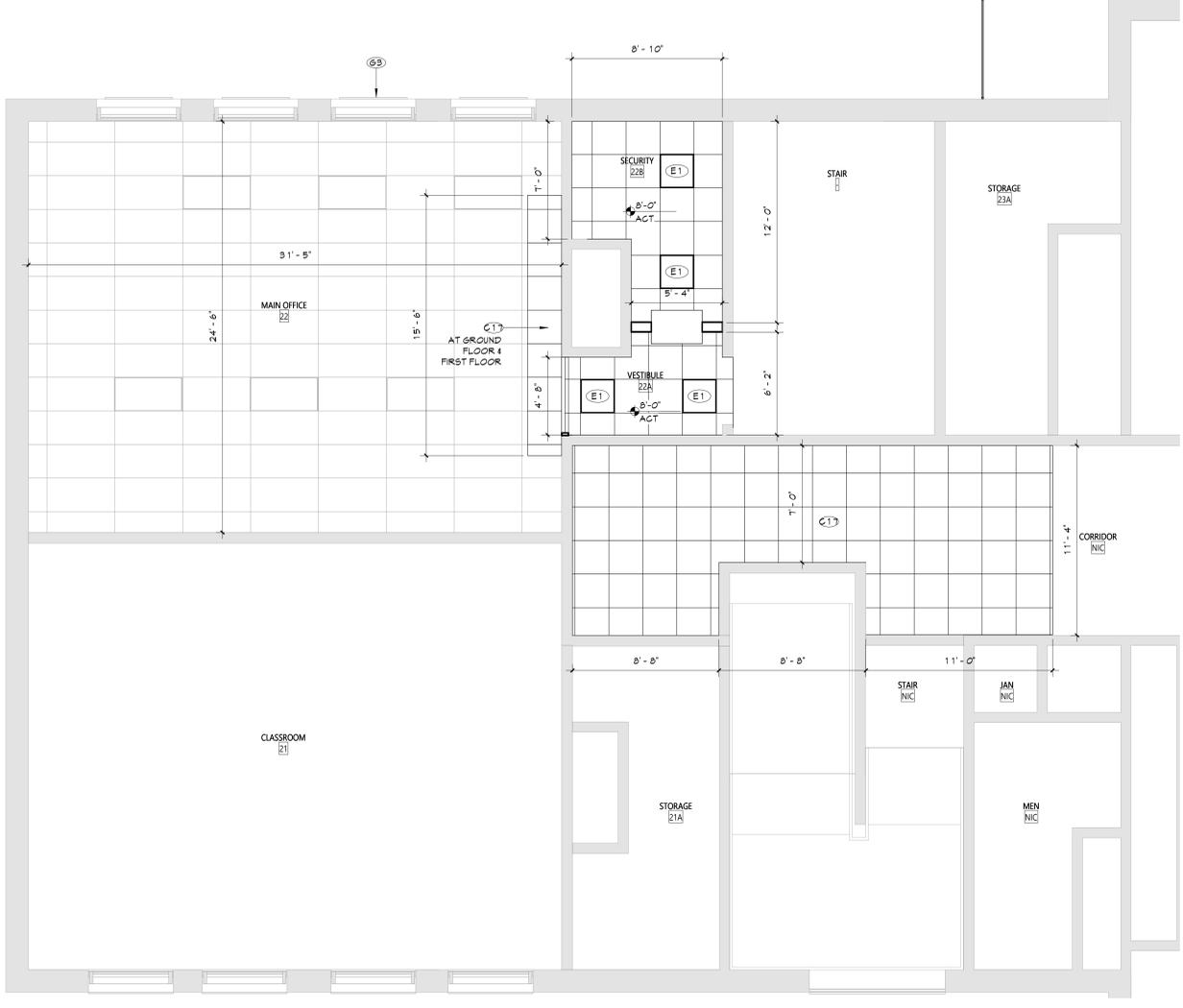
- 2'x4' LIGHT FIXTURE
- 2'x2' LIGHT FIXTURE
- 1'x LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- RECESSED DOWN LIGHT
- CEILING MOUNTED EXIT SIGN
- CEILING MOUNTED OCCUPANCY SENSOR
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED HEAT DETECTOR
- CEILING MOUNTED PA SPEAKER
- CEILING MOUNTED SECURITY J-BOX
- CEILING MOUNTED MOTION SENSOR
- CEILING MOUNTED DATA J-BOX

MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

- HVAC SUPPLY GRILLE
- HVAC RETURN GRILLE

NEW WORK KEYNOTES

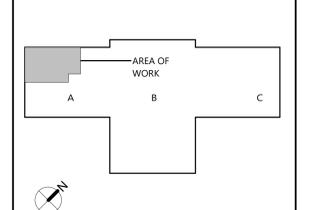
#	Description
C17	REINSTALL CEILING WHERE PREVIOUSLY REMOVED
E1	LIGHTING REFER TO ELECTRICAL DRAWINGS
G3	MODIFY EXISTING TRANSOM PANEL, INSTALL NEW LOUVER INTO TRANSOM PANEL AND REINSTALL TRANSOM PANEL AND LOUVER INTO EXISTING OPENING.

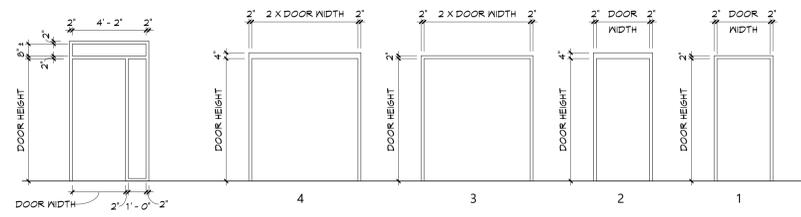


6 SOFFIT DETAIL
A821 1/2" = 1'-0"

1 AREA A - PARTIAL FIRST FLOOR RCP
A821 1/4" = 1'-0"

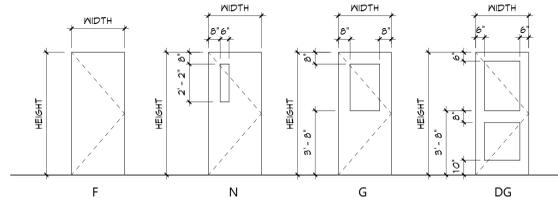
KEY PLAN





DOOR FRAME TYPES

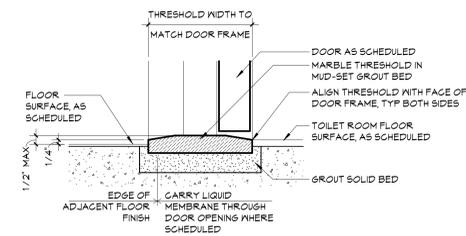
1/4" = 1'-0"



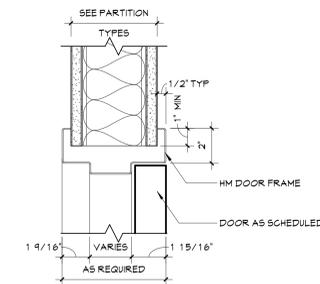
DOOR TYPES

1/4" = 1'-0"

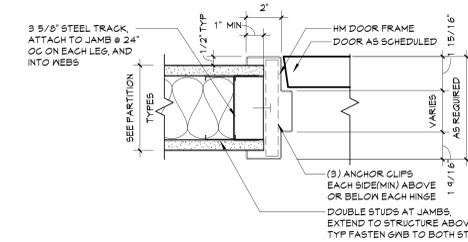
DOOR SCHEDULE																	
DOOR NUMBER	QUANTITY	DOOR		WIDTH	HEIGHT	THICKNESS	TYPE	FRAME				REMARKS	DOOR NUMBER				
		FROM	TO					MATERIAL	FINISH	MATERIAL	FINISH						
122	1	22A	VESTIBULE	22	MAIN OFFICE	3'-0"	7'-0"	1 3/4"	N	WD	FF	HM	PT			122	
130	1	NIC	CORRIDOR	22	MAIN OFFICE	3'-0"	7'-0"	1 3/4"	N	WD	FF	HM	PT	20	FR	HW6	130
131	PR	NIC	CORRIDOR	-	STAIR	3'-0"	7'-0"	1 3/4"	N	WD	FF	HM	PT	90	FR	HW2	131



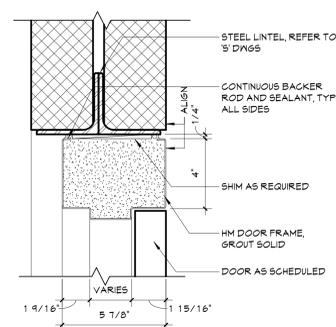
6 THRESHOLD DETAIL
A901 3" = 1'-0"



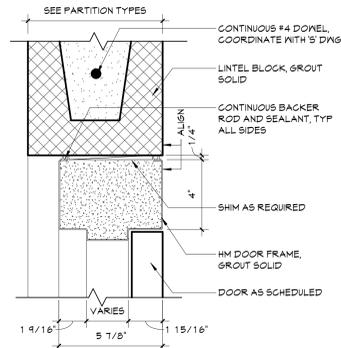
4 HEAD DETAIL
A901 3" = 1'-0"



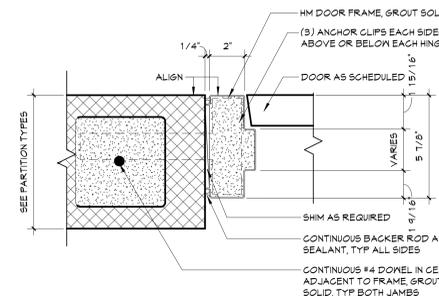
2 JAMB DETAIL
A901 3" = 1'-0"



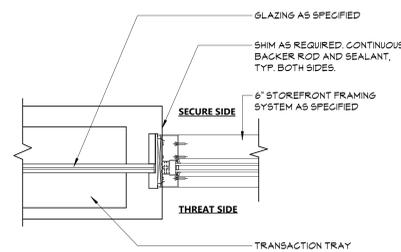
5 HEAD DETAIL
A901 3" = 1'-0"



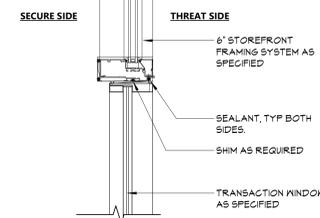
3 HEAD DETAIL
A901 3" = 1'-0"



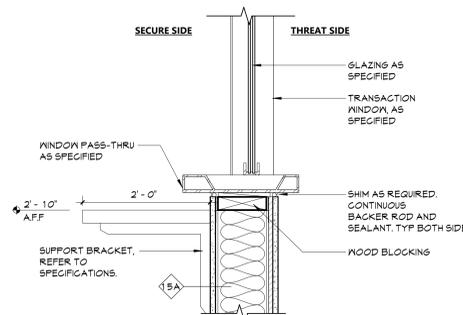
1 HEAD DETAIL
A901 3" = 1'-0"



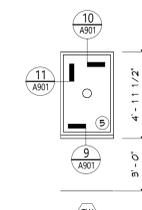
11 JAMB DETAIL - SECURITY WINDOW
A901 1 1/2" = 1'-0"



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



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



7 TRANSACTION WINDOW
A901 1/4" = 1'-0"

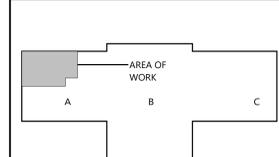
DOOR LITE, GLAZING & PANEL TYPES

- 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 WALL 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

KEY PLAN



NO.	DATE	DESCRIPTION

Drawn By:	Author
Checked By:	44-13-01-06-0-002-013
CSArch Proj. #:	187-2302-01
Issued for Bid:	10/18/24

ROOM FINISH SCHEDULE							
ROOM NUMBER	ROOM NAME	FLOOR		Wall Finish	Accent_Wall	CEILING	Comments
		FINISH	BASE				
22	MAIN OFFICE		RB-1	PNT-1			
22A	VESTIBULE	VCT-1	RB-1	PNT-1			
22B	SECURITY	VCT-1	RB-1	PNT-1			

MATERIALS LEGEND							
MATERIAL	MANUFACTURER	MODEL	COLOR #/NAME	Material URL	SIZE	NOTE	
PAINT							
PNT-1	SHERWIN WILLIAMS	EGG-SHELL	MATCH EXISTING			GENERAL WALL PAINT	
PNT-2	SHERWIN WILLIAMS	SEMI-GLOSS				HM DOOR PAINT	
PLASTIC LAMINATE							
FLAM-1	WILSONART						
RUBBER BASE							
RB-1	TARKETT				4"		
VINYL COMPOSITION TILE							
VCT-1	ARMSTRONG	STANDARD EXGELON			12' x 12'		

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
APG	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CGC	CONCRETE
CRT	CARPET
CTB	CERAMIC TILE BASE
GMT	CERAMIC MALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAO/FF	FACTORY FINISH
GMB	GYPSONUM WALL BOARD
LMC	LINEAR METAL CEILING
MSS	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
FLAM	PLASTIC LAMINATE
FLAS	PLASTER
FNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RB	RUBBER BASE
RF	RESINOUS FLOORING
RST	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONG	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TOILET PARTITIONS
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VVC	VINYL WALLCOVERING
WAF	WOOD ATHLETIC FLOORING
WOD	WOOD
WOM	WALK-OFF MAT

GENERAL FINISH NOTES

1. ALL EXPOSED SURFACES OF NEW PARTITIONS ARE TO BE PAINTED.
2. WHEN ANY WORK IS PERFORMED ON ANY EXISTING WALL, THE ENTIRE WALL SURFACE IS TO BE PAINTED CORNER TO CORNER, UNLESS NOTED OTHERWISE.
3. ALL ELECTRIC, MECHANICAL COMPONENTS AND TELEPHONE PANELS EXPOSED IN A ROOM TO MATCH WALL COLOR.
4. ALL EXPOSED GROUND FACE CMU LOCATIONS TO RECEIVE GRAFFITI COATING TYPICAL FOR INTERIOR LOCATIONS.

FINISH KEYS

Room Name [101]

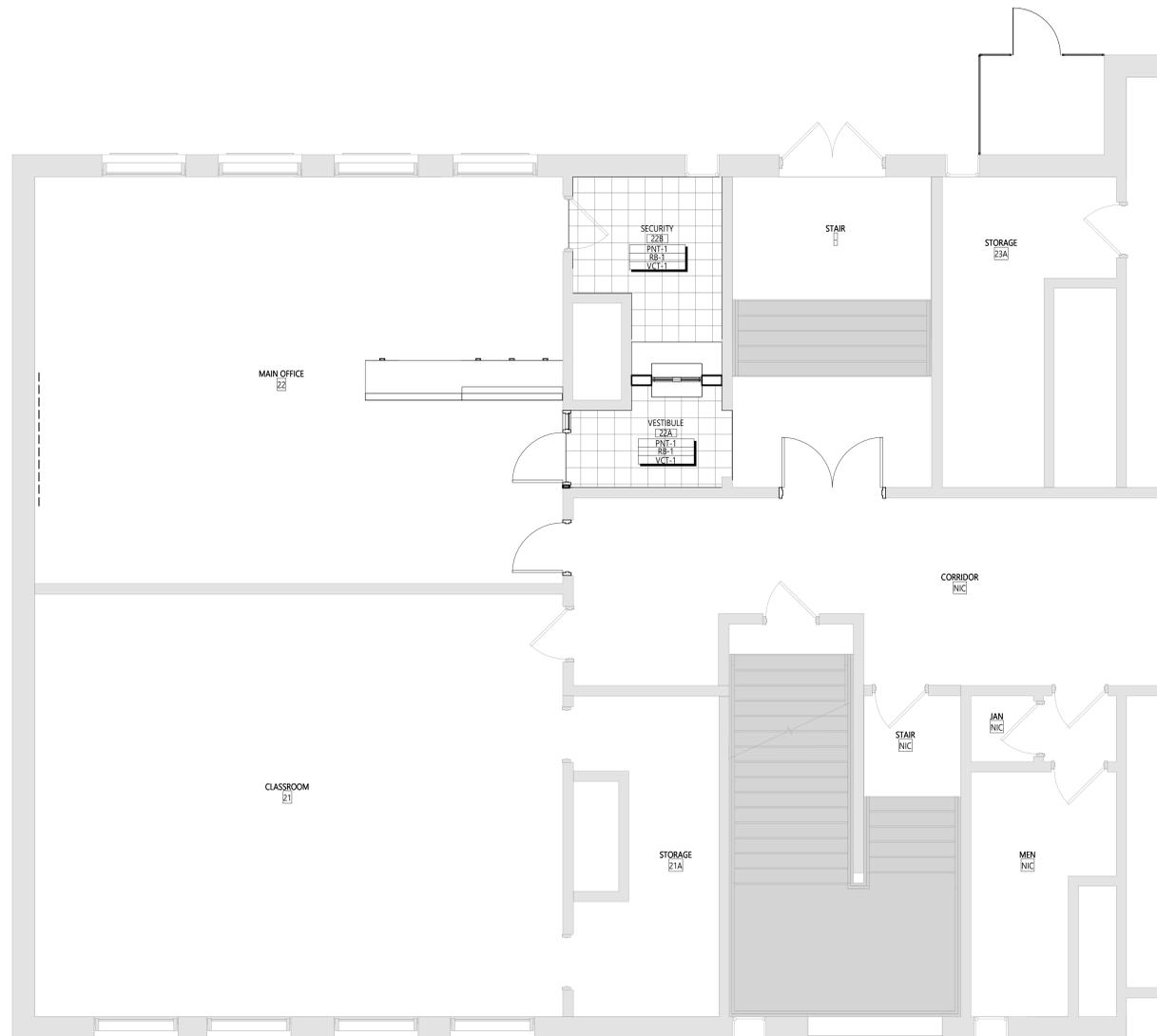
Wall Finish [101] - Finish Tag

Base Finish [101]

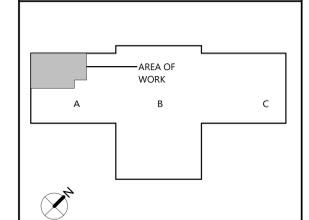
Floor Finish [101]

PNT-# - ACCENT PAINT LOCATION

VCT-1



KEY PLAN



1 PARTIAL FLOOR FINISHES PLAN - FIRST FLOOR- AREA A
AF121 1/4" = 1'-0"

19 Front St., Newburgh, New York 12550-7601
845-561-1319 www.csarch.com

Consultant

VALLEY CENTRAL SCHOOL DISTRICT
MAYBROOK ALTERNATIVE LEARNING CENTER
2023 CAPITAL PROJECT - PHASE 1

Project Title



EXPIRATION DATE: 02/28/2025

DATE	DESCRIPTION

Drawn By:	AS
Checked By:	44-13-01-06-0-002-013
CSArch Proj. #:	187-2302.01
Issued for Bid:	10/18/24

Sheet Title

MATERIAL SCHEDULE & FINISH FLOOR PLAN - AREA A

Sheet No.

MAY AF121

CONSTRUCTION DOCUMENTS



C:\Users\jmliller\Documents\187-2302.01_VCSO_MAY_dmliller03.rvt

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CGC	CONCRETE
CRT	CARRIET
CTB	CERAMIC TILE BASE
QMT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
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GWB	GYPSONUM WALL BOARD
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RF	RESINOUS FLOORING
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RT	RUBBER TILE FLOORING
SCONG	SEALED CONCRETE
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STL	STEEL
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WAF	WOOD ATHLETIC FLOORING
WOD	WOOD
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GENERAL FINISH NOTES

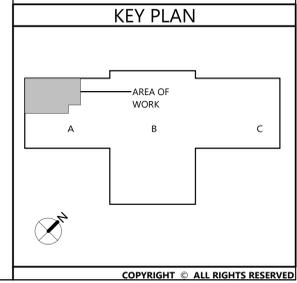
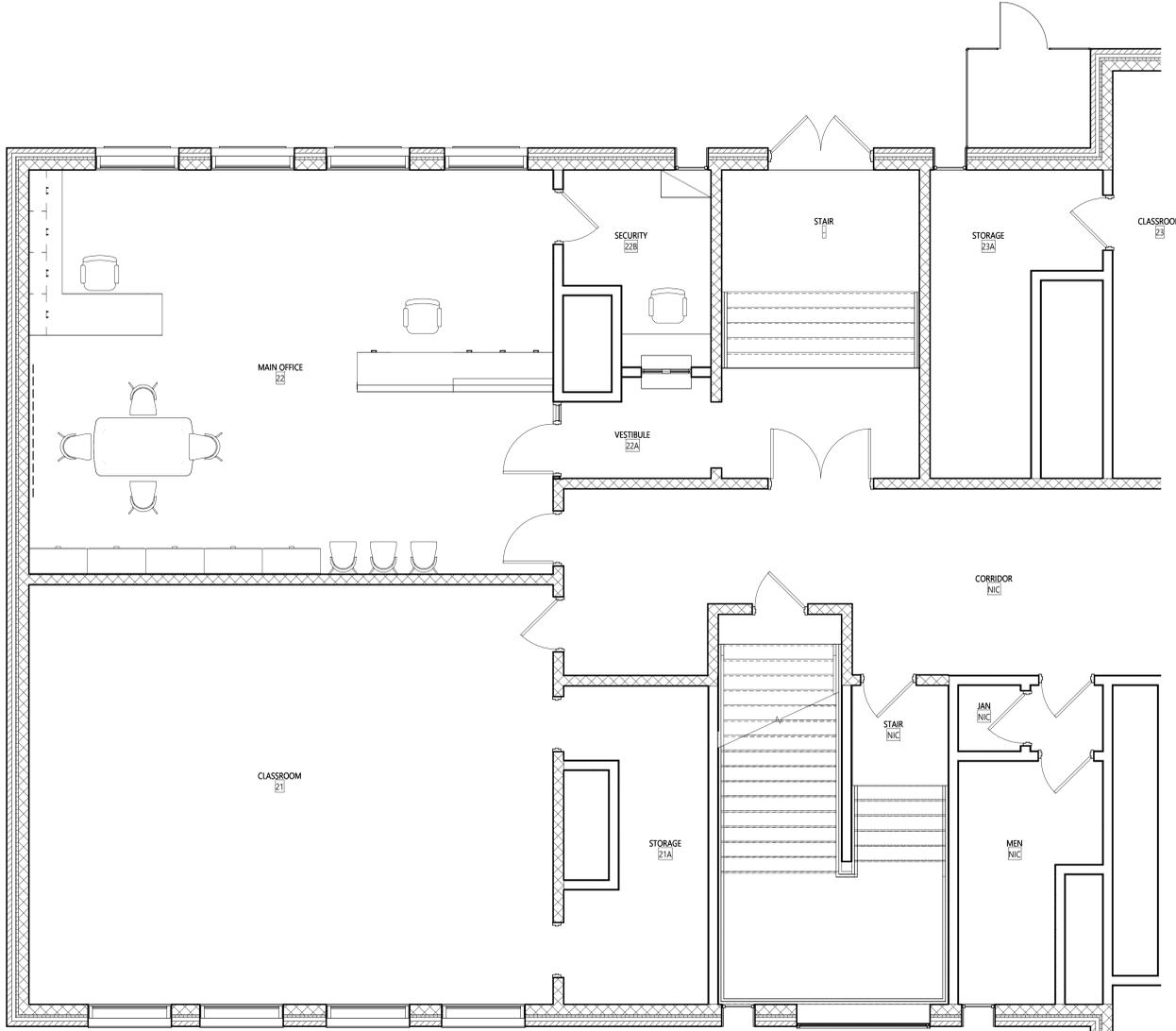
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FINISH KEYS

Room Name [101]
 Wall Finish [101]
 Base Finish [101]
 Floor Finish [101] - Finish Tag

PNT-# - ACCENT PAINT LOCATION

VCT-1



1 PARTIAL FLOOR FURNITURE PLAN - FIRST FLOOR- AREA A
 FE121 1/4" = 1'-0"

19 Front St., Newburgh, New York 12550-7601
 845-561-1319 www.csarch.com

CSARCH

Consultant

**VALLEY CENTRAL SCHOOL DISTRICT
 MAYBROOK ALTERNATIVE LEARNING CENTER
 2023 CAPITAL PROJECT - PHASE 1**

Project Title

EXPIRATION DATE: 02/28/2025

DATE	DESCRIPTION

Drawn By: JAS
 Checked By: 44-13-01-06-0-002-013
 CSArch Proj. #: 187-2302.01
 Issued for Bid: 10/18/24

Sheet Title
**PARTIAL
 FURNITURE
 PLAN - FIRST
 FLOOR- AREA
 A**

Sheet No.
**MAY
 FE121**

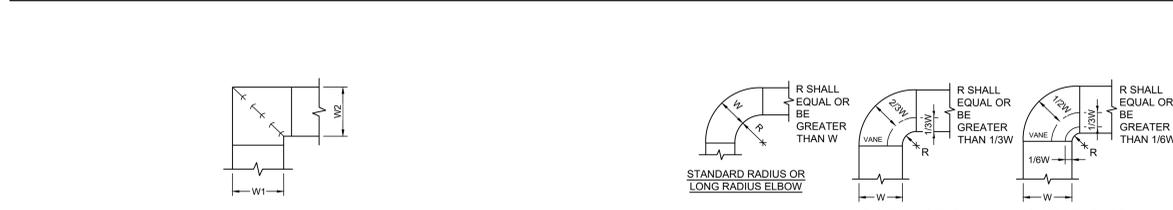
CONSTRUCTION DOCUMENTS

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THICKNESS & REINFORCING SCHEDULE - * LOW PRESSURE DUCTWORK

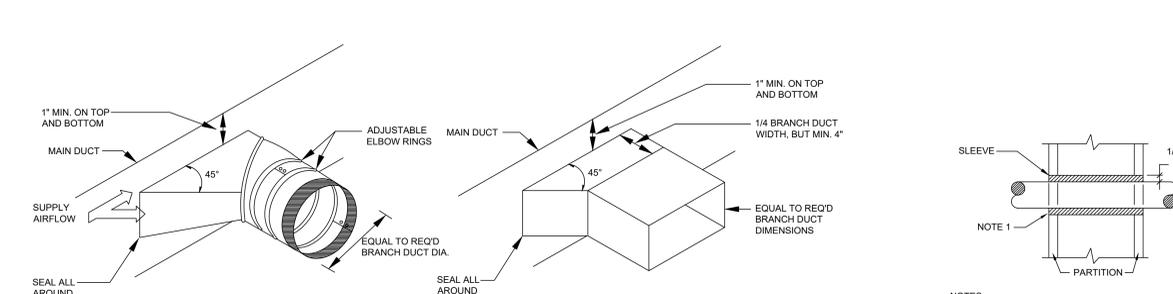
* NOTE: LOW PRESSURE DUCTWORK SHALL BE DUCTWORK IN WHICH THE PRESSURE DOES NOT EXCEED 2" WATER GAUGE.

GREATEST DUCT DIMENSION	STEEL DUCTS U.S. STANDARD GAUGE	ALUMINUM DUCTS B & S GAUGE	LONGITUDINAL SEAM	TRANSVERSE JOINT SMALLEST DIMENSION	TRANSVERSE JOINT GREATEST DIMENSION	REINFORCING (ALL DUCTS 18" THRU 54" SHALL BE CROSSBROKEN)
12" OR LESS	26	24(0.020")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
13" THRU 16"	24	22(0.025")	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
19" THRU 30"	24	22(0.025")	PITTSBURGH OR ACME LOCK	HEMMED "S" SLIP OR BAR SLIP OR DRIVE SLIP OR 1" POCKET LOCK	HEMMED "S" SLIP OR BAR SLIP OR 1" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
31" THRU 42"	22	20(0.032")	PITTSBURGH OR ACME LOCK	DRIVE SLIP 1/8" OR LESS BAR SLIP REINFORCED BAR SLIP OR POCKET LOCK	BAR SLIP OR REINFORCED BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
43" THRU 54"	22	20(0.032")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
55" THRU 60"	20	18(0.040")	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1"x1"x1/8" ANGLES AT 4 FT. O.C. FASTENED ON 8" CENTERS
61" THRU 84"	20	18(0.040")	PITTSBURGH LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCE ALL SIDES OVER 60" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. SIDES 61" THRU 84" REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 4'-0" CENTERS.
85" THRU 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK, OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 84" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. SIDES 85" THRU 96" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. SIDES 90" OR LESS NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. REINFORCE ALL SIDES 61" THRU 84" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 60" WITH 1 1/2"x1 1/2"x1/8" ANGLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.
OVER 96"	18	16(0.051") (LONGITUDINAL SEAM MAY BE STANDING SEAM)	PITTSBURGH LOCK	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR 2"x2"x1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR 2"x2"x1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 96" WITH 2"x2"x1/4" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 97" THRU 99" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 85" THRU 96" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 60" WITH 1 1/2"x1 1/2"x1/8" ANGLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.

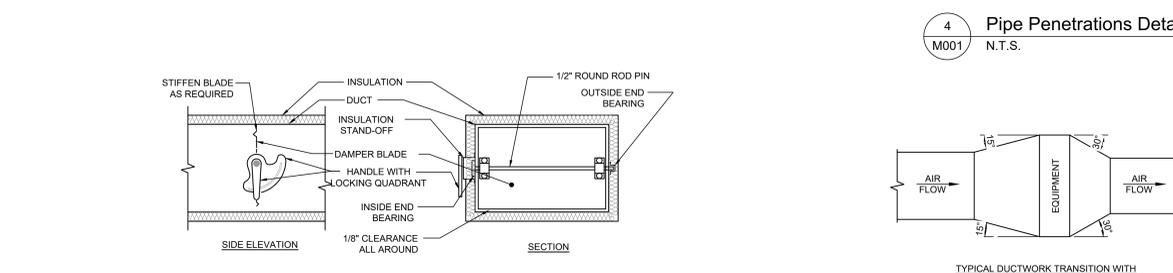


1 Ductwork Squared Elbow Detail
M001 N.T.S.

2 Ductwork Radius Elbow Detail
M001 N.T.S.



3 Typical Branch Take-Off Fitting Detail
M001 N.T.S.



4 Pipe Penetrations Detail
M001 N.T.S.

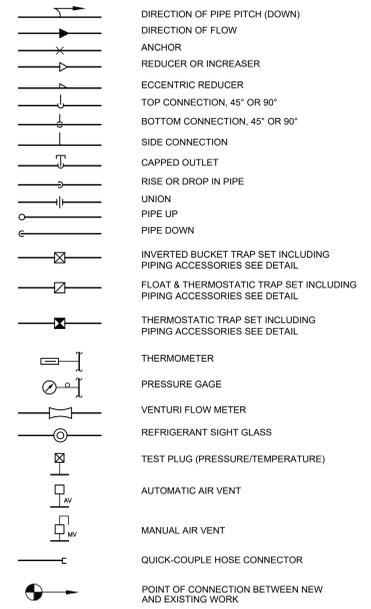


5 Ductwork Volume Damper Detail
M001 N.T.S.

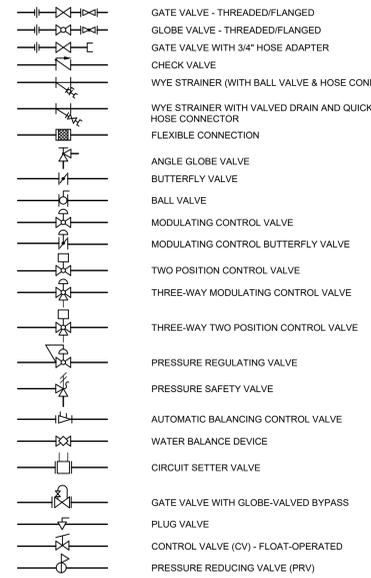


6 Ductwork Transition Detail
M001 N.T.S.

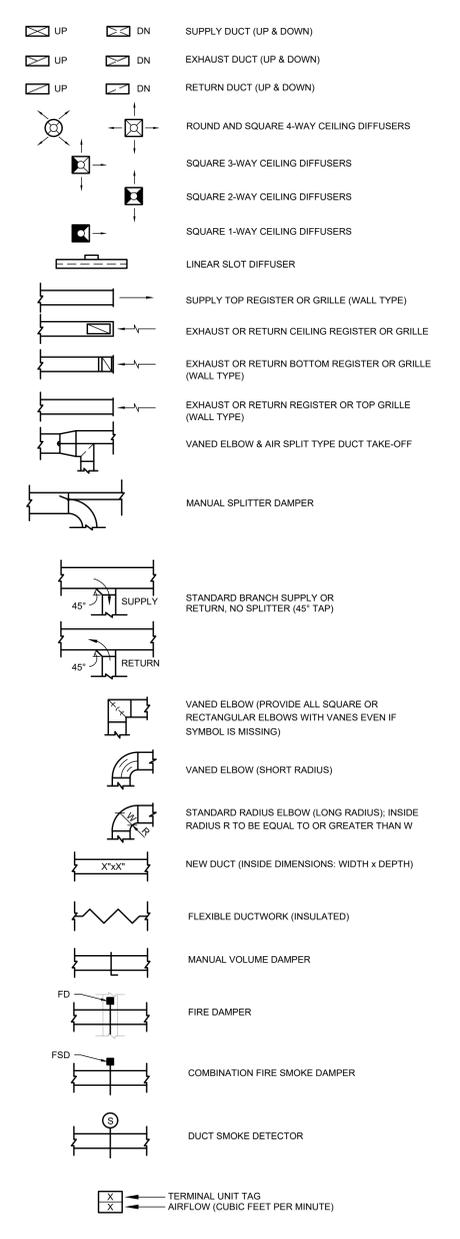
General Symbols:



Valve Symbols:



Mechanical Legend:

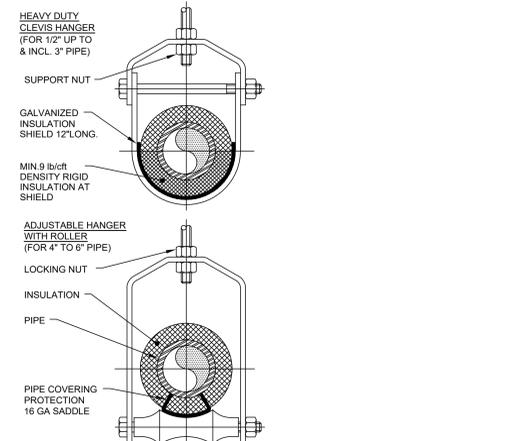


Mechanical Notes:

- 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 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 ENGINEER 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:

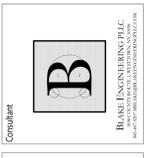
- THERMOSTAT PROVIDED BY OWNER, INSTALLED BY CONTRACTOR, MOUNT 5'-0" A.F.F. IN LOCATIONS SHOWN ON PLANS



- PIPE 8" 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	
1/2 THRU 1	7	5	3/8
1-1/2 THRU 2	9	6	3/8
2-1/2	11	9	7.5
3	12	10	7.5
4	14	12	8.5
6	17	14	9
8	19	16	10
10	22	18	10.5

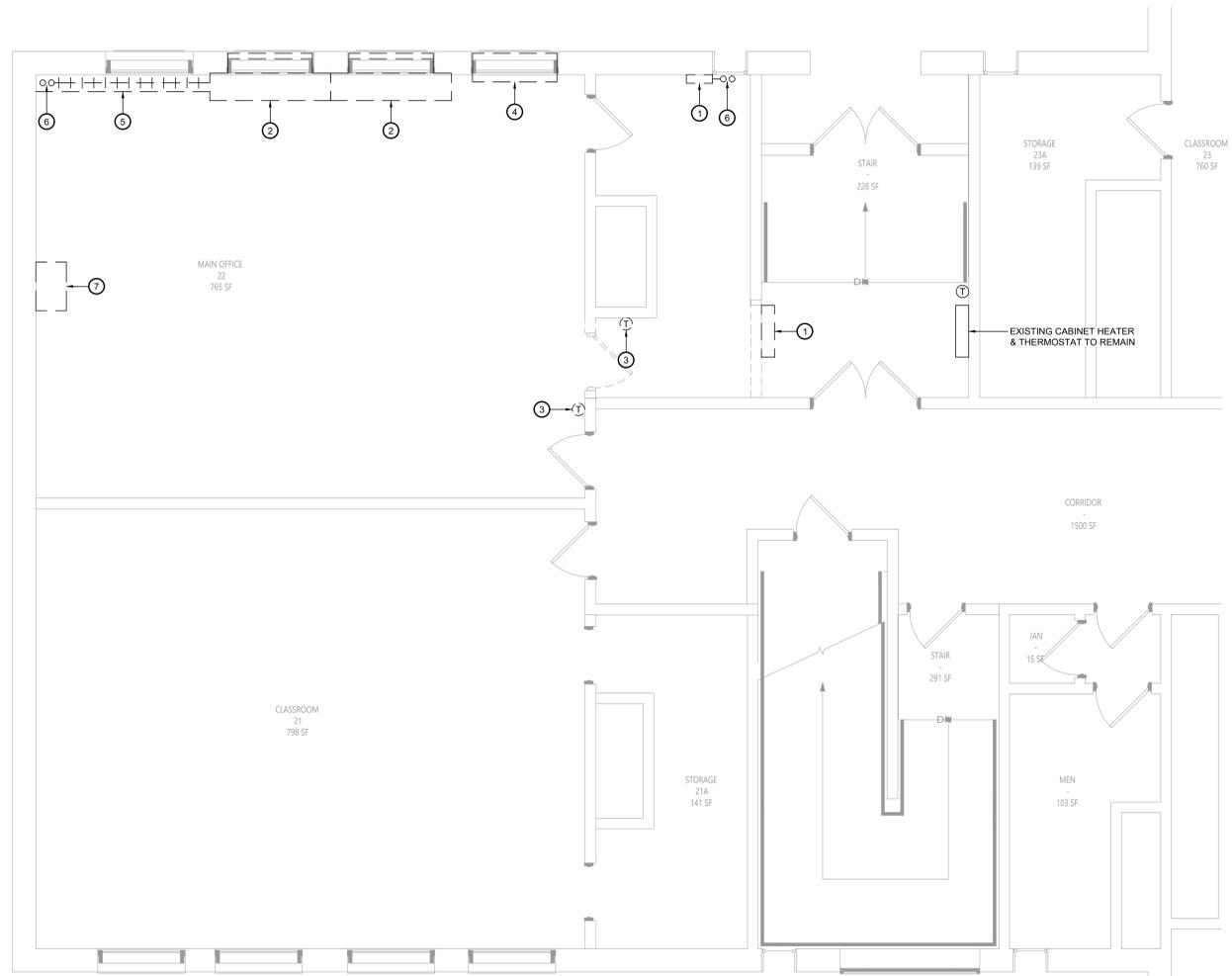
7 Pipe Hanger Support
M001 N.T.S.



DATE	DESCRIPTION

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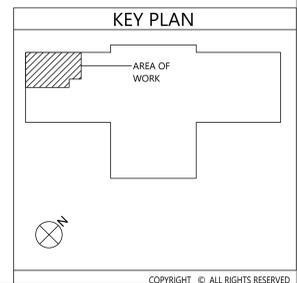
**MECHANICAL
NOTES,
LEGENDS,
SCHEDULES &
DETAILS**



Key Notes:

- ① EXISTING CABINET UNIT HEATER TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY PIPING, CONTROLS, HANGERS, SUPPORTS, ACCESSORIES, ETC.; REMOVE PIPING BACK TO MAINS & CAP
- ② EXISTING UNIT VENTILATOR TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY PIPING, CONTROLS, LOUVERS, HANGERS, SUPPORTS, ACCESSORIES, ETC.; REMOVE PIPING BACK TO MAINS & CAP; SEAL EXTERIOR LOUVER WEATHER TIGHT W/ RIGID INSULATION ON INSIDE FACE
- ③ EXISTING THERMOSTAT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED WIRING, TUBING, CONDUIT, ACCESSORIES, ETC.;
- ④ EXISTING WINDOW AIR CONDITIONING UNIT TO BE DISCONNECTED, REMOVED & TURNED OVER TO OWNER
- ⑤ EXISTING FINNED TUBE RADIATION TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY PIPING, CONTROLS, HANGERS, SUPPORTS, ACCESSORIES, ETC.; REMOVE PIPING BACK TO MAINS & CAP
- ⑥ EXISTING HOT WATER PIPING RISING UP ALONG WALL TO ABOVE CEILING TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED VALVES, STRAINERS, HANGERS, SUPPORTS, INSULATION, ACCESSORIES, ETC. REMOVE TO MAINS ABOVE CEILING & CAP
- ⑦ EXISTING SINK TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED VALVES, HANGERS, SUPPORTS, INSULATION, ACCESSORIES, ETC. REMOVE PIPING DN THRU FLOOR & CAP IN BASEMENT

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



19 Front St., Newburgh, New York 12550-7601
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VALLEY CENTRAL SCHOOL DISTRICT
 MAYBROOK ALTERNATIVE LEARNING CENTER
 2023 CAPITAL PROJECT - PHASE 1

Project Title



REV.	DATE	DESCRIPTION

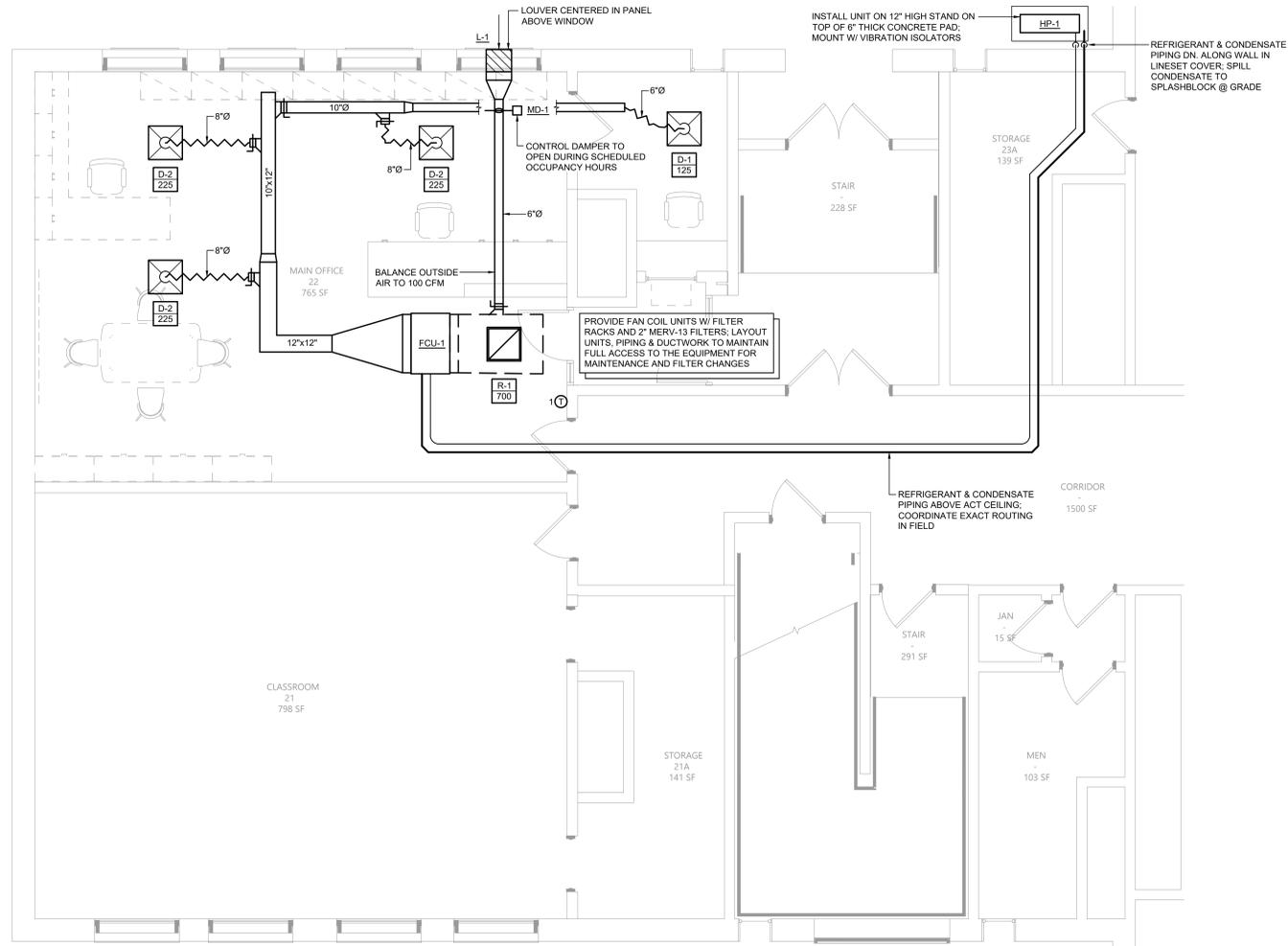
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Sheet Title
MECHANICAL DEMOLITION PLAN

Sheet No.
MAY MD111

CONSTRUCTION DOCUMENTS





1 Mechanical Plan
M111 Scale: 1/4" = 1'-0"

INDOOR MINI-SPLIT UNIT SCHEDULE																
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	MINI-SPLIT UNIT TYPE	AREA OF BUILDING SERVED	AIRFLOW (CFM)	COOLING			HEATING			PAIRED OUTDOOR UNIT	EXTERNAL STATIC PRESSURE (IN. W.C.)	ELECTRICAL POWER REQUIREMENTS (VOLT, PHASE, Hz, W)	WEIGHT (LB)	NOTES
						CAPACITY (MBH)	EDB (°F)	EWB (°F)	CAPACITY (MBH)	EDB (°F)	EWB (°F)					
FCU-1	DAIKIN	FEAD-A30AA8	DUCTED MEDIUM STATIC	MAIN OFFICE	800	30.0	80.0	67.0	32.0	70.0	60.0	HP-1	0.50	208 1 60 121	67	HYPER HEATING UNIT; SEE VRF SYSTEM NOTES

AIR-COOLED HEAT PUMP SCHEDULE																	
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	INDOOR UNITS SERVED	COMPRESSOR TYPE	NOM. COOL CAPACITY (MBH)	NOM. HEAT CAPACITY (MBH)	OUTDOOR OPERATING TEMP. RANGE (°F)		AHRU EFFICIENCY RATINGS			REFRIGERANT	SOUND PRESSURE LEVEL COOLING/HEATING (dBA)	ELECTRICAL POWER REQUIREMENTS (VOLT, PHASE, Hz, MCA, MOCP)		WEIGHT (LB)	NOTES
							COOLING	HEATING	EER	SEER	COP			VOLT	PHASE		
HP-1	DAIKIN	SUZ-KA30NAHZ	FCU-1	INVERTER SCROLL HERMETIC	30.0	32.0	0 TO 115	-13 TO 75	12.5	15.0	3.4	R410A	52/53	208 1 60 24 40	261	FURNISH W/ REQUIRED PIPING ACCESSORIES	

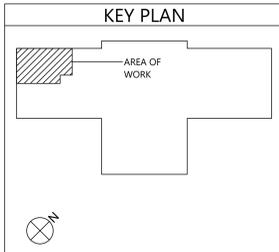
AIR GRILLE/DIFFUSER SCHEDULE														
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	AIR DEVICE TYPE	AIRFLOW (CFM)		MAX AIR PRESS. DROP (IN. W.C.)	MOUNTING	PANEL/FRAME SIZE (IN.)	NECK SIZE (IN.)	MAX NC	DAMPER	FINISH	NOTES	
				MIN.	MAX.									
D-1	KRUEGER	PLQ-6-F23-24x24-PR10-IB-44	SQUARE PLAQUE FACE DIFFUSER	50	175	0.10	LAY-IN	24"x24"	6"Ø	20	OBD	WHITE	PROVIDE W/ INSULATED BLANKET ON BACKPAN	
D-2	KRUEGER	PLQ-8-F23-24x24-PR10-IB-44	SQUARE PLAQUE FACE DIFFUSER	176	300	0.10	LAY-IN	24"x24"	8"Ø	20	OBD	WHITE	PROVIDE W/ INSULATED BLANKET ON BACKPAN	
R-1	KRUEGER	S80P-20x20-F23-24x24-00-00-00-44	PERFORATED FACE RETURN GRILLE	0	1,600	0.10	LAY-IN	24"x24"	20"x20"	25	-	WHITE	FURNISH & INSTALL FULL-SIZE SHEET METAL PLENUM BOX ON REAR OF GRILLE. PAINT INSIDE FLAT BLACK	

LOUVER SCHEDULE														
EQUIPMENT TAG	QTY.	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	AIR DEVICE TYPE	LOUVER SIZE			FREE AREA (SQ. FT.)	AIRFLOW (CFM)	VELOCITY (FT./MIN.)	MOUNTING	SCREEN	FINISH	NOTES
					WIDE	HIGH	DEPTH							
L-1	1	RUSKIN	ELF6375DX	STATIONARY LOUVER	18"	12"	6"	0.63	100	158.7	EXTERIOR WALL	YES	TBD	1, 2 & 3

1. COLOR TO BE COORDINATED WITH OWNER/ARCHITECT BEFORE ORDERING
2. FURNISH WITH INSECT-SCREEN OPTION.
3. FURNISH W/ PROPER MOUNTING HARDWARE.

SPLIT SYSTEMS WITH DUCT FAN COIL & HEAT PUMP 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.

- VRF System Notes:**
- WIRE 7 DAY PROGRAMMABLE THERMOSTAT SHALL BE FURNISHED BY OWNER FOR EACH INDOOR UNIT. THERMOSTATS SHIP LOOSE FOR FIELD INSTALLATION AND WIRING BY THE MECHANICAL CONTRACTOR.
 - OWNER TO FURNISH CENTRAL CONTROLLER FOR LOCAL SET POINT CONTROL AND SYSTEM VIEWING. CONTROLLER TO BE INSTALLED AND WIRING BY MECHANICAL CONTRACTOR. 24V POWER BY ELECTRICAL CONTRACTOR.
 - DISCONNECT SWITCHES FOR CONDENSING UNITS AND INDOOR UNITS SHALL BE FURNISHED BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - EXTERNAL SUPPORTS FOR INDOOR AND CONDENSING UNITS SHALL BE FURNISHED BY OWNER AND INSTALLED BY THE MECHANICAL CONTRACTOR.
 - FILTER RACK AND 2" PLEATED MERV-13 FILTERS FOR DUCTED UNITS SHALL FURNISHED BY OWNER AND INSTALLED BY THE MECHANICAL CONTRACTOR. FILTER RACK SHALL BE GALVANIZED STEEL, FULLY INSULATED & FACTORY ASSEMBLED. TYPICAL OF FLT-H SERIES OR EQUAL.
 - CONDENSATE PUMPS SHIP FOR FIELD INSTALLATION BY MECHANICAL CONTRACTOR FOR WALL MOUNTED UNITS. DUCTED UNITS FURNISHED WITH FACTORY MOUNTED CONDENSATE PUMP. MECHANICAL CONTRACTOR TO PROVIDE CONDENSATE PIPING FROM ALL UNITS TO SANITARY DRAIN. FIELD VERIFY EXACT ROUTING AND TERMINATION POINT IN BUILDING.
 - PROVIDE REFRIGERANT ISOLATION VALVES ON LIQUID AND GAS LINES AT EVERY FAN COIL UNIT.



VALLEY CENTRAL SCHOOL DISTRICT
MAYBROOK ALTERNATIVE LEARNING CENTER
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Sheet Title
MECHANICAL PLAN

Sheet No.
MAY M111

CONSTRUCTION DOCUMENTS

LIGHTING FIXTURE SCHEDULE										
TAG	SYMBOL	MANUFACTURER & MODEL	TYPE	VOLTAGE	# OF LAMPS	LAMP WATTS	FIXTURE WATTS	MOUNTING	SIZE	NOTES
A		HE WILLIAMS RECESSED DIRECT/INDIRECT DIG-S22-L32840-AD-DIM-UNV	LED	120	1	25.8	25.8	RECESSED	2x2'	4000K COLOR TEMPERATURE
B		HE WILLIAMS VOLTAIRE ARCHITECTURAL WALL PACK VVPH-L30740-T3-DBZ-SDGL-EM10WC-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
-		HE WILLIAMS LED EMERGENCY LIGHT EMERLED-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/EMLED-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

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 ANNUCIATOR 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
- 20A 120V DUPLEX WALL MOUNTED RECEPTACLE; 18" A.F.F. UNLESS OTHERWISE NOTED
- 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
- WALL PHONE OUTLET MTD 48" A.F.F.; 3/4" EMT CDT. IN WALL TO ABOVE CEILING; PROVIDE 1 PORT ETHERNET WALL PLATE; PROVIDE (1) CAT 6E CABLES FROM WALL PLATE TO NEAREST IT CLOSET
- WALL BOX FOR TELEVISION CONNECTION; 1-1/4" EMT CDT. IN WALL TO ABOVE CEILING W/ PULL CORD
- TELEPHONE/DATA COMMUNICATION BOX W/ (2) 3/4" EMT CDT. IN WALL TO ABOVE CEILING; PROVIDE 2 PORT ETHERNET WALL PLATE; PROVIDE (2) CAT 6E CABLES FROM WALL PLATE TO NEAREST IT CLOSET
- BRANCH CIRCUIT HOMERUN; LINES INDICATE NUMBER OF CIRCUITS, NEUTRAL, AND SWITCH LEG CONDUCTORS. ONE SEPARATE GROUNDING CONDUCTOR SHALL BE PROVIDED FOR EACH HOMERUN; NOT SHOWN
- SWITCH
BLANK = SINGLE POLE
3 = THREE-WAY
D = DIMMER
P = WITH PILOT LIGHT
T = TIMER OPERATED
X = EXPLOSION PROOF
- 2 = DOUBLE POLE
4 = FOUR-WAY
K = KEY OPERATED
PB= PUSH BUTTON
WP= WEATHER PROOF
OC= OCCUPANCY SENSOR
- DUAL TECHNOLOGY OCCUPANCY SENSOR
- DAYLIGHT SENSOR
- MULTIMEDIA BOX. PROVIDE DEVICE BOX AT 60" ABOVE FINISHED FLOOR WITH DUPLEX RECEPTACLE & (2) CAT6E PORTS. PROVIDE FACEPLATES AND (2) 1-1/4" CONDUITS STUBBED ABOVE CEILING. (1) W/ CAT6E CABLES RUN TO NEAREST IT CLOSET & (1) W/ PULL CORD FOR FUTURE HDMI. RECESS MOUNT BOX TYPICAL OF WIREMOLD EVOLUTION SERIES WITH CONCEALED CONDUITS IN EXISTING FRAMED WALLS AND ALL NEW WALLS. PROVIDE SURFACE MOUNT BOXES WITH DUAL CHANNEL SURFACE MOUNT RACEWAY (LEGRAND WIREMOLD 5400 SERIES) WHERE INSTALLED ON EXISTING MASONRY WALLS.

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.

120/208V 3Ø 4W+G				BUS RATING: 100A				40A 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	15	5	-	-	-	6	15	SPARE		
EXISTING LOAD	EXISTING WIRING	15	7	-	-	-	8	15	SPARE		
EXISTING LOAD	EXISTING WIRING	15	9	-	-	-	10	15	SPARE		
EXISTING LOAD	EXISTING WIRING	15	11	-	-	-	12	15	SPARE		
EXISTING LOAD	EXISTING WIRING	15	13	-	-	-	14	15	SPARE		
SPARE		15	15	-	-	-	16	15	SPARE		
EXTERIOR LIGHTING	(2) #12 CU & (1) #12 GND.	20	17	-	-	-	18	15	SPARE		
HP-1 & FCU-1	(2) #8 CU & (1) #10 GND.	40	21	-	-	-	22	-	SPACE		
SPACE		-	23	-	-	-	24	-	SPACE		
GE A SERIES 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 PP-EF1
Scale: None

120/208V 3Ø 4W+G				BUS RATING: 225A				MLO			
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	(2) #12 CU & (1) #12 GND. FIRE SHUTTER		
EXISTING LOAD	EXISTING WIRING	20	5	-	-	-	6	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	7	-	-	-	8	20	EXISTING WIRING		
RECEPTACLES	(2) #12 CU & (1) #12 GND.	20	9	-	-	-	10	20	(2) #12 CU & (1) #12 GND. RECEPTACLES		
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	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	23	-	-	-	24	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	25	-	-	-	26	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	27	-	-	-	28	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	29	-	-	-	30	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	31	-	-	-	32	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	33	-	-	-	34	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	35	-	-	-	36	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	37	-	-	-	38	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	39	-	-	-	40	20	EXISTING WIRING		
EXISTING LOAD	EXISTING WIRING	20	41	-	-	-	42	20	EXISTING WIRING		
OUTLER HAMMER PRL1a 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

4 Existing Panelboard LP-E
Scale: None

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 & AV OUTLETS	18" A.F.F.
NOTE: ALL DIMENSIONS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED	

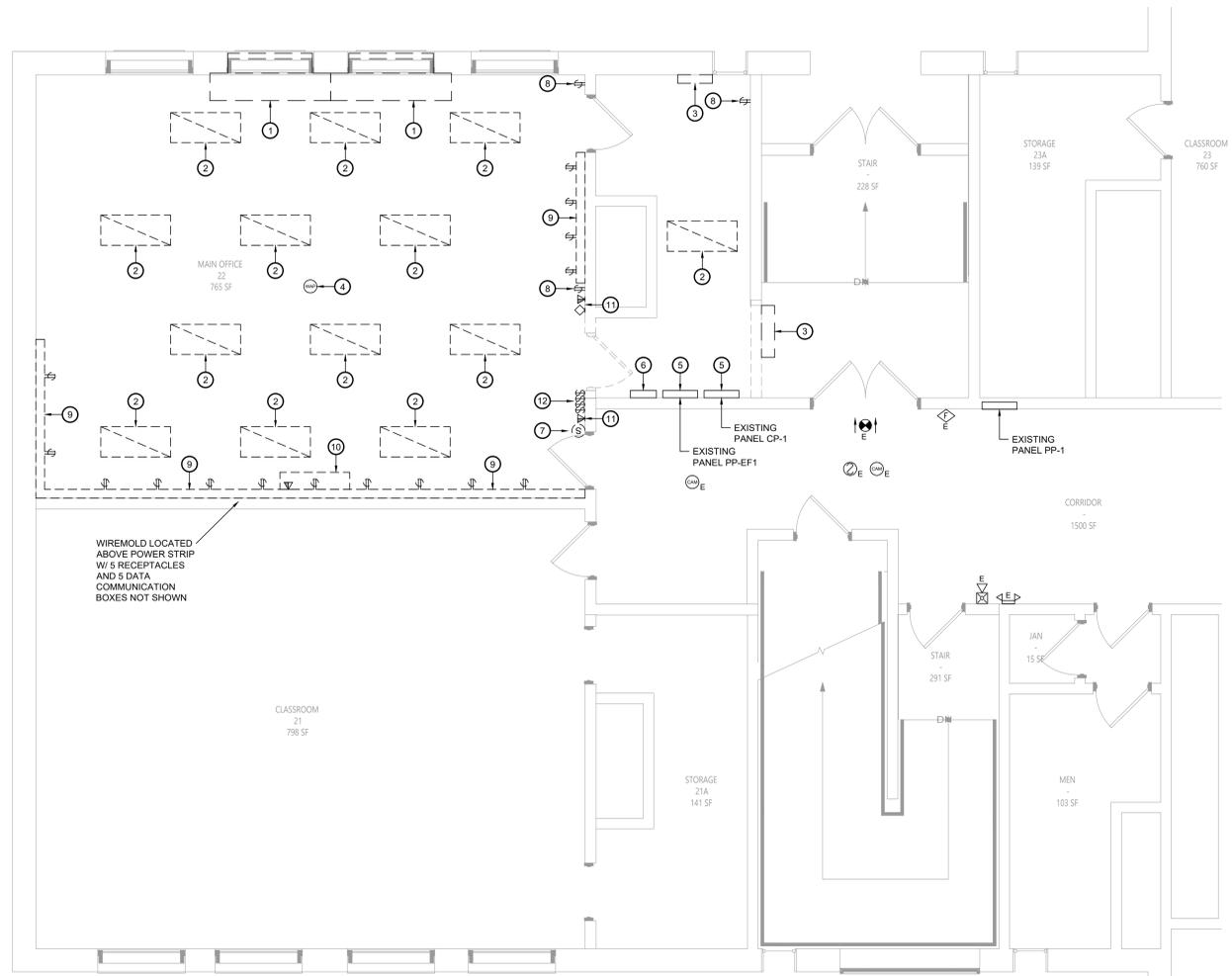


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Sheet Title
ELECTRICAL NOTES, LEGENDS, SCHEDULES & DETAILS

Sheet No.
MAY E001



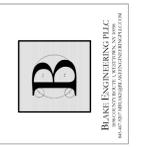
1 Electrical Demolition Plan
ED111 Scale: 1/4" = 1'-0"

Key Notes:

- 1 EXISTING UNIT VENTILATOR TO BE REMOVED, DISCONNECT, REMOVE & PROPERLY DISPOSE OF ALL ASSOCIATED CONDUITS, WIRING, DISCONNECTS, ETC.; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 2 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
- 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 EXISTING WIRELESS ACCESS POINT TO BE DISCONNECTED, REMOVED & STORED; TEMPORARILY SUPPORT DATA CABLING UNTIL REINSTALLATION IN NEW CEILING
- 5 EXISTING PANELBOARD TO BE DISCONNECTED, REMOVED & RELOCATED; SEE SHEET E111 FOR NEW LOCATION; EXTEND FEEDERS, BRANCH CIRCUITS AND CONDUITS TO NEW PANEL LOCATION; PROVIDE JUNCTION BOXES & ADDITIONAL WIRING & CONDUITS AS NEEDED
- 6 EXISTING JUNCTION BOX TO BE DISCONNECTED, REMOVED & RELOCATED; SEE SHEET E111 FOR NEW LOCATION; EXTEND WIRING AND CONDUITS TO NEW BOX LOCATION; PROVIDE ADDITIONAL JUNCTION BOXES, WIRING & CONDUITS AS NEEDED
- 7 DISCONNECT, REMOVE & PROPERLY DISPOSE OF WALL MOUNTED SPEAKER & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 8 DISCONNECT, REMOVE & PROPERLY DISPOSE OF RECEPTACLE & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 9 DISCONNECT, REMOVE & PROPERLY DISPOSE OF WALL MOUNTED POWER STRIP / WIREMOLD & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 10 SMART BOARD TO BE REMOVED BY OWNER, CONTRACTOR TO DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING WIRING
- 11 DISCONNECT, REMOVE & PROPERLY DISPOSE OF DATA OUTLET & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- 12 DISCONNECT, REMOVE & PROPERLY DISPOSE OF LIGHT SWITCHES & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE

WIREMOLD LOCATED ABOVE POWER STRIP W/ 5 RECEPTACLES AND 5 DATA COMMUNICATION BOXES NOT SHOWN

19 Front St., Newburgh, New York 12550-7601
845-561-3179 www.csarch.com



VALLEY CENTRAL SCHOOL DISTRICT
MAYBROOK ALTERNATIVE LEARNING CENTER
2023 CAPITAL PROJECT - PHASE 1

Project Title



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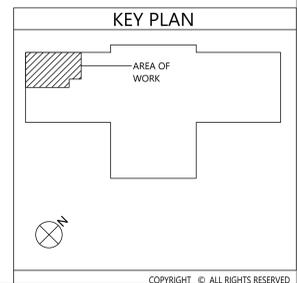
Sheet Title

ELECTRICAL DEMOLITION PLAN

Sheet No.

MAY ED111

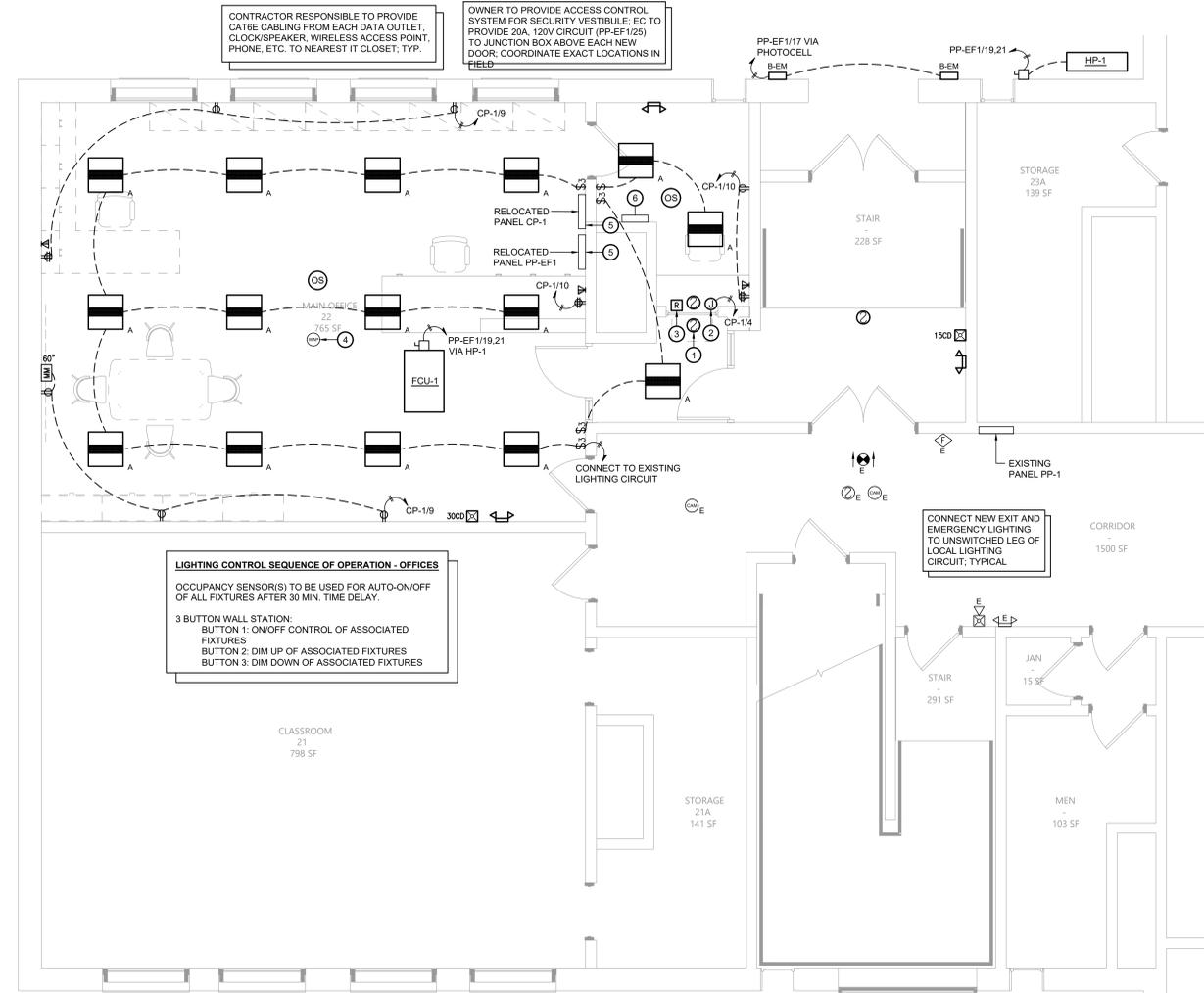
CONSTRUCTION DOCUMENTS



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Key Notes:

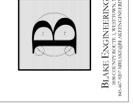
- ① PROVIDE SMOKE DETECTORS ON BOTH SIDES OF THE AUTOMATIC FIRE SHUTTER AT THE TRANSACTION WINDOW. CONNECT TO THE EXISTING BUILDING FIRE ALARM SYSTEM
- ② PROVIDE NEW 120V ELECTRICAL CONNECTION FOR FIRE SHUTTER
- ③ FIRE ALARM RELAY; FIRE SHUTTER TO CLOSE UPON ACTIVATION OF FIRE ALARM
- ④ REINSTALL EXISTING WIRELESS ACCESS POINT; CONNECT TO EXISTING DATA CABLING
- ⑤ EXISTING PANELEBOARD TO BE REINSTALLED IN NEW LOCATION; EXTEND FEEDERS, BRANCH CIRCUITS AND CONDUITS TO NEW PANEL LOCATION. FIELD VERIFY EXACT ROUTING. PROVIDE JUNCTION BOXES & ADDITIONAL WIRING & CONDUITS AS NEEDED
- ⑥ EXISTING JUNCTION BOX TO BE REINSTALLED IN NEW LOCATION; EXTEND WIRING AND CONDUITS TO NEW BOX LOCATION. FIELD VERIFY EXACT ROUTING; PROVIDE ADDITIONAL JUNCTION BOXES, WIRING & CONDUITS AS NEEDED



1 Electrical Plan
E111 Scale: 1/4" = 1'-0"

**VALLEY CENTRAL SCHOOL DISTRICT
MAYBROOK ALTERNATIVE LEARNING CENTER
2023 CAPITAL PROJECT - PHASE 1**

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