

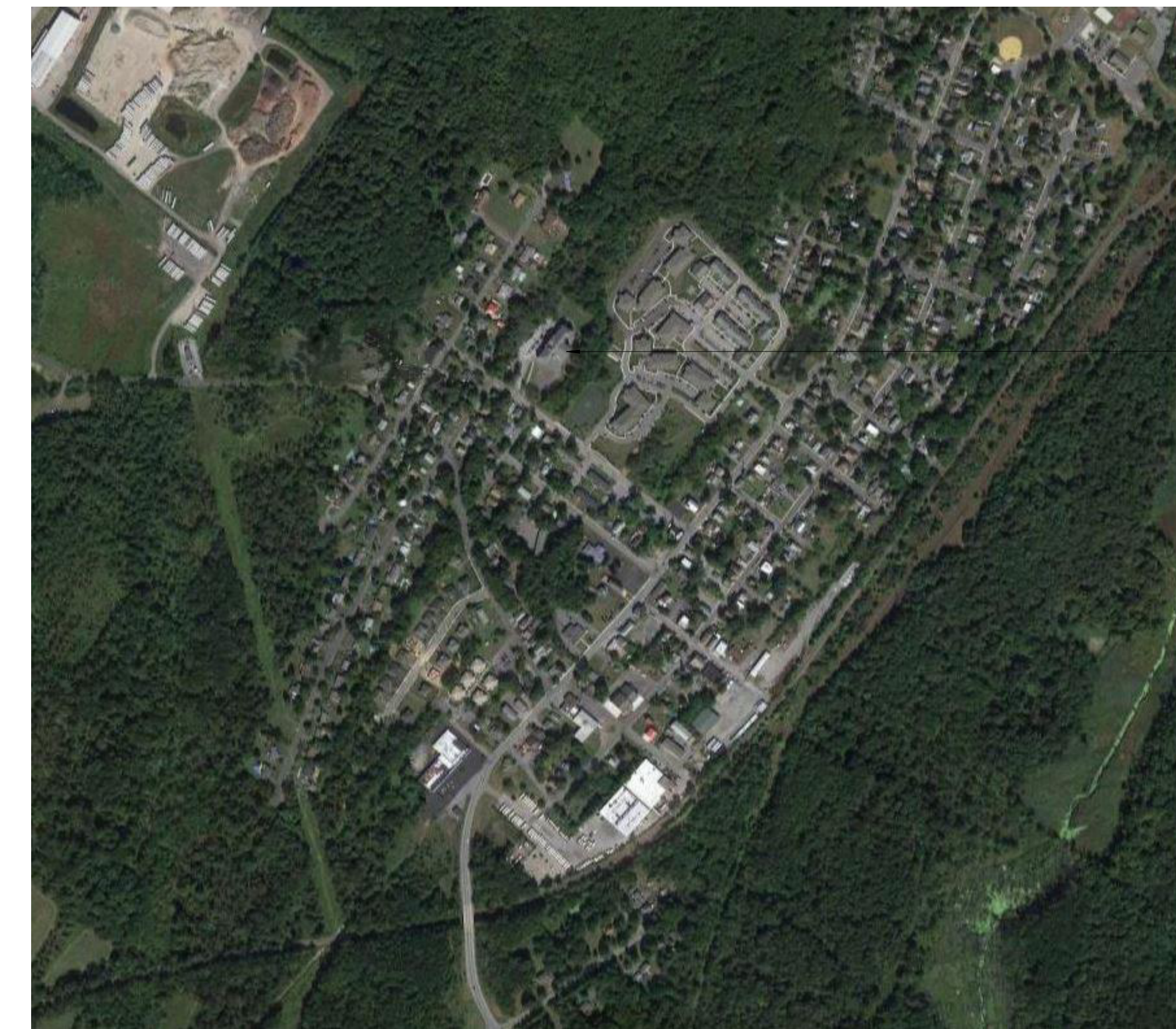
# VALLEY CENTRAL SCHOOL DISTRICT MAYBROOK ALTERNATIVE LEARNING CENTER 2023 CAPITAL PROJECT - PHASE 1

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.

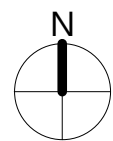
CSArch PROJECT NO. 187-2302.01



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

VICINITY MAP

NTS



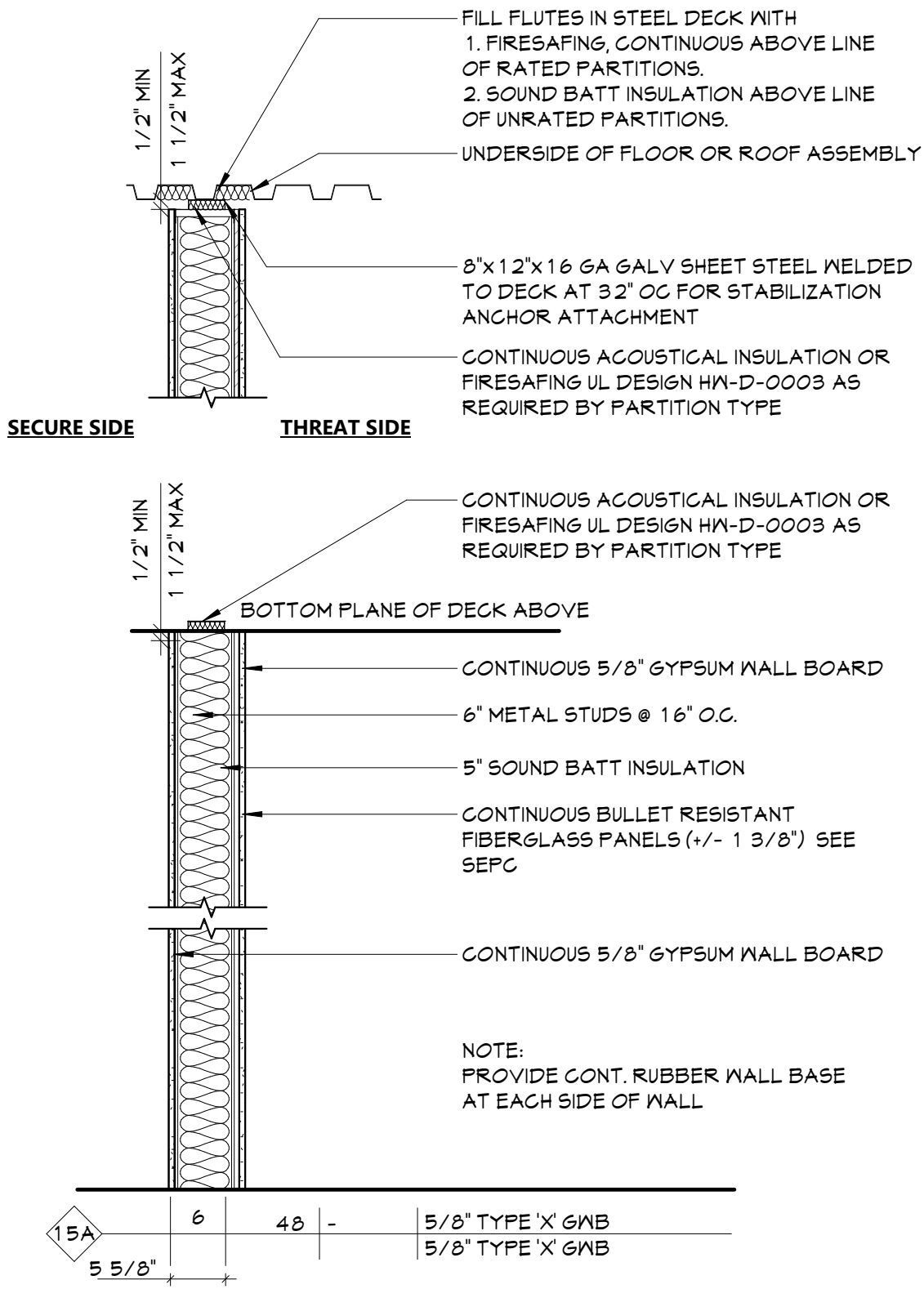
DRAWING LIST	
<b>GENERAL DRAWINGS</b>	
MAY G000	COVER & SHEET INDEX
MAY G001	SYMBOLS, ABBREVIATIONS, MISC. AND PARTITION TYPES
MAY G111	OVERALL FLOOR PLAN - FIRST FLOOR
<b>LIFE SAFETY DRAWINGS</b>	
MAY LS111	LIFE SAFETY PLAN - FIRST FLOOR
MAY LS112	SMOKE ZONE PLANS
<b>ARCHITECTURAL DEMOLITION DRAWINGS</b>	
MAY AD121	ENLARGED REMOVAL PLAN - FIRST FLOOR - AREA A
MAY AD821	REFLECTED CEILING REMOVAL PLAN - FIRST FLOOR - AREA A
<b>ARCHITECTURAL DRAWINGS</b>	
MAY A121	ENLARGED FLOOR PLAN - FIRST FLOOR - AREA A
MAY A821	REFLECTED CEILING PLAN - FIRST FLOOR - AREA A
MAY A901	DOOR & WINDOW DETAILS
<b>ARCHITECTURAL FINISH DRAWINGS</b>	
MAY AF121	MATERIAL SCHEDULE & FINISH FLOOR PLAN - AREA A
<b>FURNITURE DRAWINGS</b>	
MAY FE121	PARTIAL FLOOR FURNITURE PLAN - FIRST FLOOR - AREA A
<b>MECHANICAL GENERAL DRAWINGS</b>	
MAY M001	MECHANICAL NOTES, LEGENDS, SCHEDULES & DETAILS
<b>MECHANICAL DEMOLITION DRAWINGS</b>	
MAY MD111	MECHANICAL DEMOLITION PLAN
<b>MECHANICAL DRAWINGS</b>	
MAY M111	MECHANICAL PLAN
<b>ELECTRICAL GENERAL DRAWINGS</b>	
MAY E001	ELECTRICAL NOTES, LEGENDS, SCHEDULES & DETAILS
<b>ELECTRICAL DEMOLITION DRAWINGS</b>	
MAY ED111	ELECTRICAL DEMOLITION PLAN
<b>ELECTRICAL DRAWINGS</b>	
MAY E111	ELECTRICAL PLAN



EXPIRATION DATE: 02/28/2025



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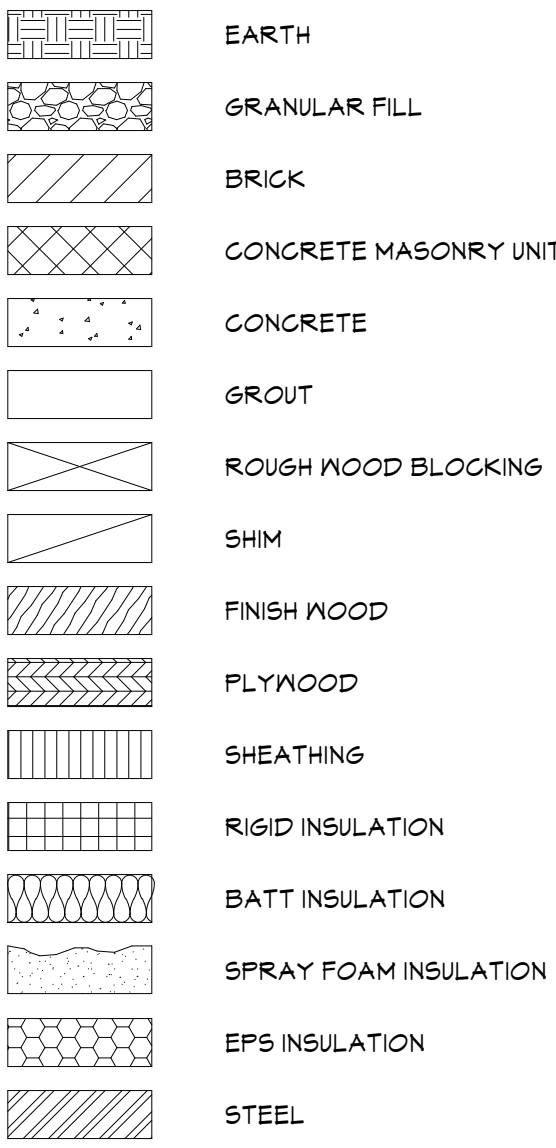
**1**  
A701 PARTITION TYPE '15'  
3/4" = 1'-0"

ABBREVIATIONS

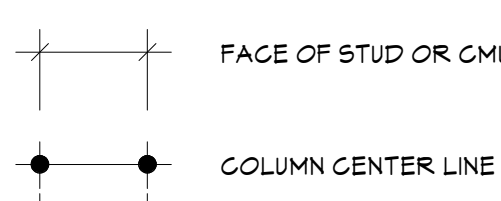
ABBREVIATION	DESCRIPTION
ADA	AMERICANS WITH DISABILITIES ACT
ADD	ADDENDUM
ADMIN	ADMINISTRATIVE
AFI	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECT / ARCHITECTURAL
AV	AUDIO VISUAL
BLDG	BUILDING
BOT OR B/BSMT	BOTTOM OF BASEMENT
CJ	CONTROL / CONSTRUCTION JOINT
CL	CENTERLINE
CLG	CEILING
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
GHB	GYPSUM WALL BOARD
GMB	GYPSUM WALL BOARD SOFFIT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HTS	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	FOUND
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
SCH	SCHEDULED
SECT	SECTION
SF	SQUARE FEET
SM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENDED
SAG	SUSPENDED ACOUSTICAL CEILING
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TECH	TECHNOLOGY
TEMP	TEMPORARY
TMPT	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

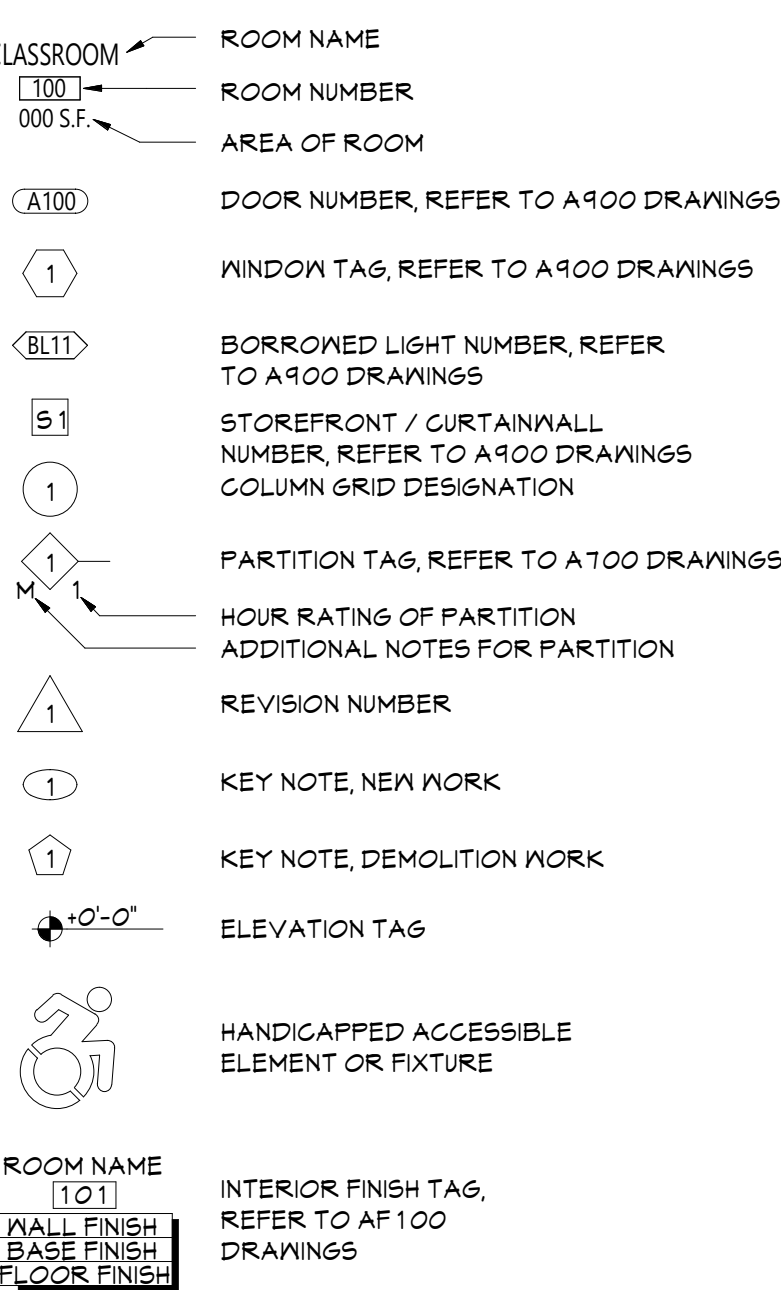
MATERIAL INDICATIONS



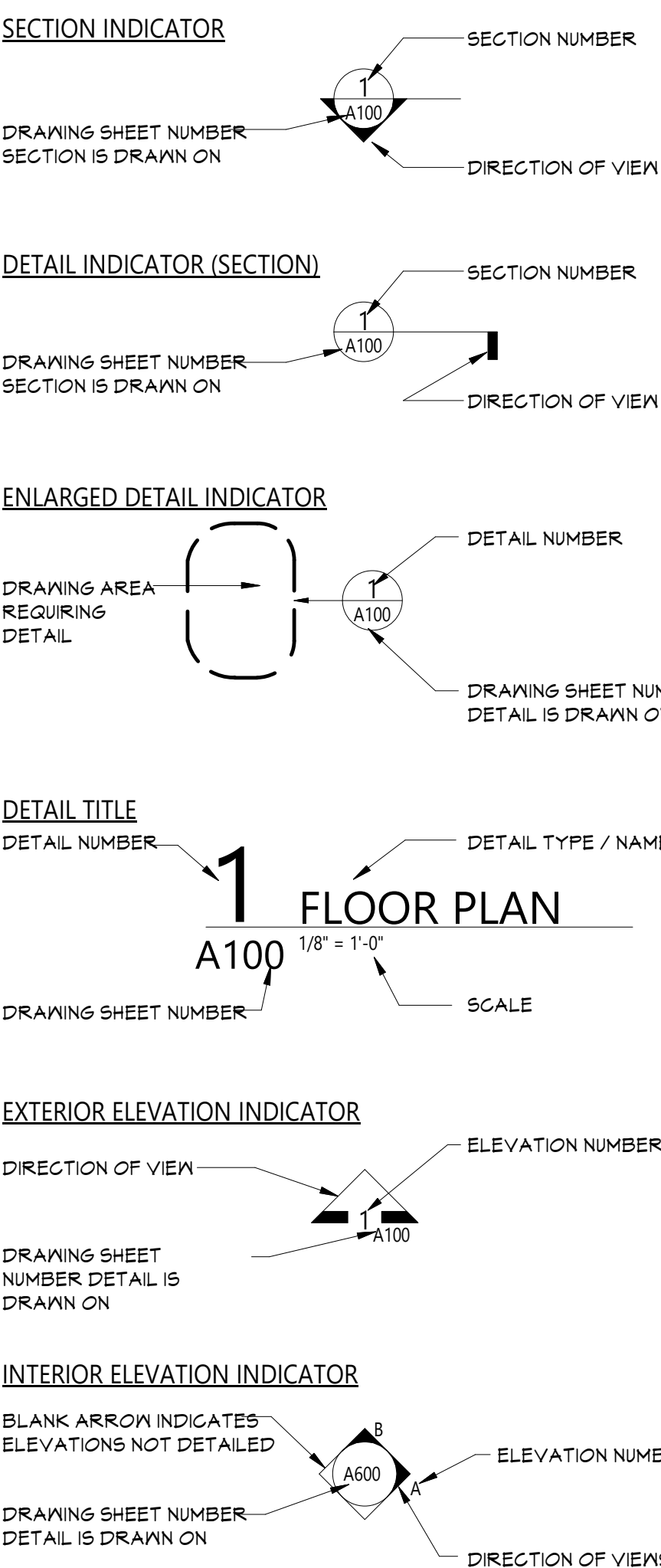
DIMENSIONING CONVENTIONS



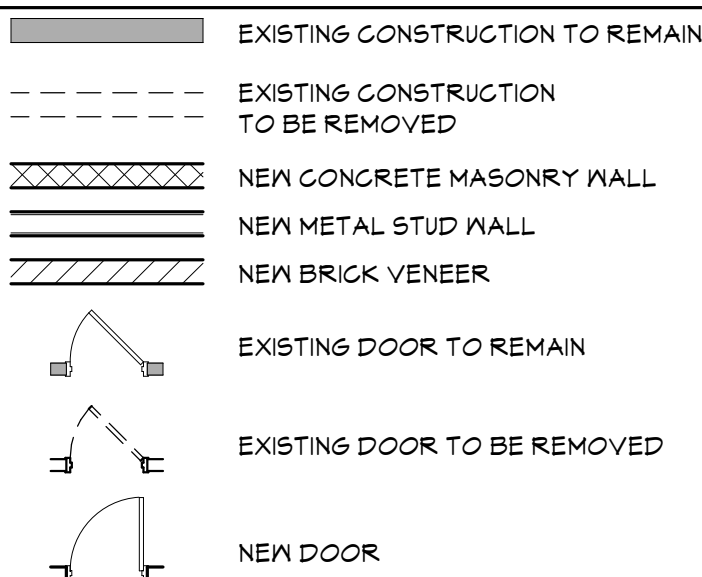
SYMBOLS



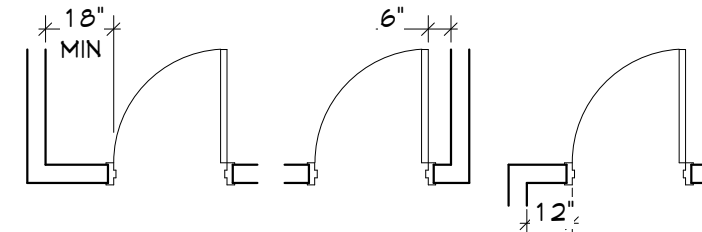
DETAIL INDICATOR LEGEND



PLAN GRAPHICS LEGEND



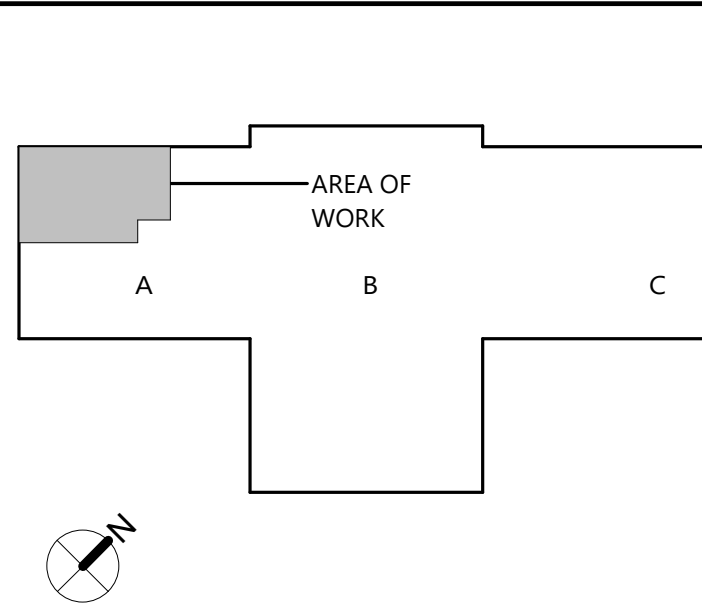
FINISHED DOOR OPENINGS SHALL BE LOCATED AS INDICATED BELOW UNO. DIMENSIONS SHOWN ARE CLEAR DIMENSIONS FROM INSIDE OF FRAME TO WALL FINISH.



GENERAL NOTES

- DIMENSIONS ARE GIVEN THIS (UNLESS NOTED OTHERWISE)  
A. TO FACE OF MASONRY WALL  
B. TO FACE OF METAL STUD  
C. TO COLUMN CENTERLINES  
D. TO FINISH FACE OF SOFFIT OR CEILING  
E. FACE OF EXISTING CONSTRUCTION
- 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 DWGS 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 AF121.
- 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



19 Front St., Newburgh, New York 12550-7601  
845-581-3379 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:	Author
Checked By:	Checker
Proj. #:	44-13-01-86-0-002-013
CSArch Proj. #:	187-2302.01
Issued for Bid:	10/18/24

Sheet Title  
SYMBOLS,  
ABBREVIATIONS,  
MISC AND  
PARTITION  
TYPES

Sheet No.  
**MAY**  
**G001**

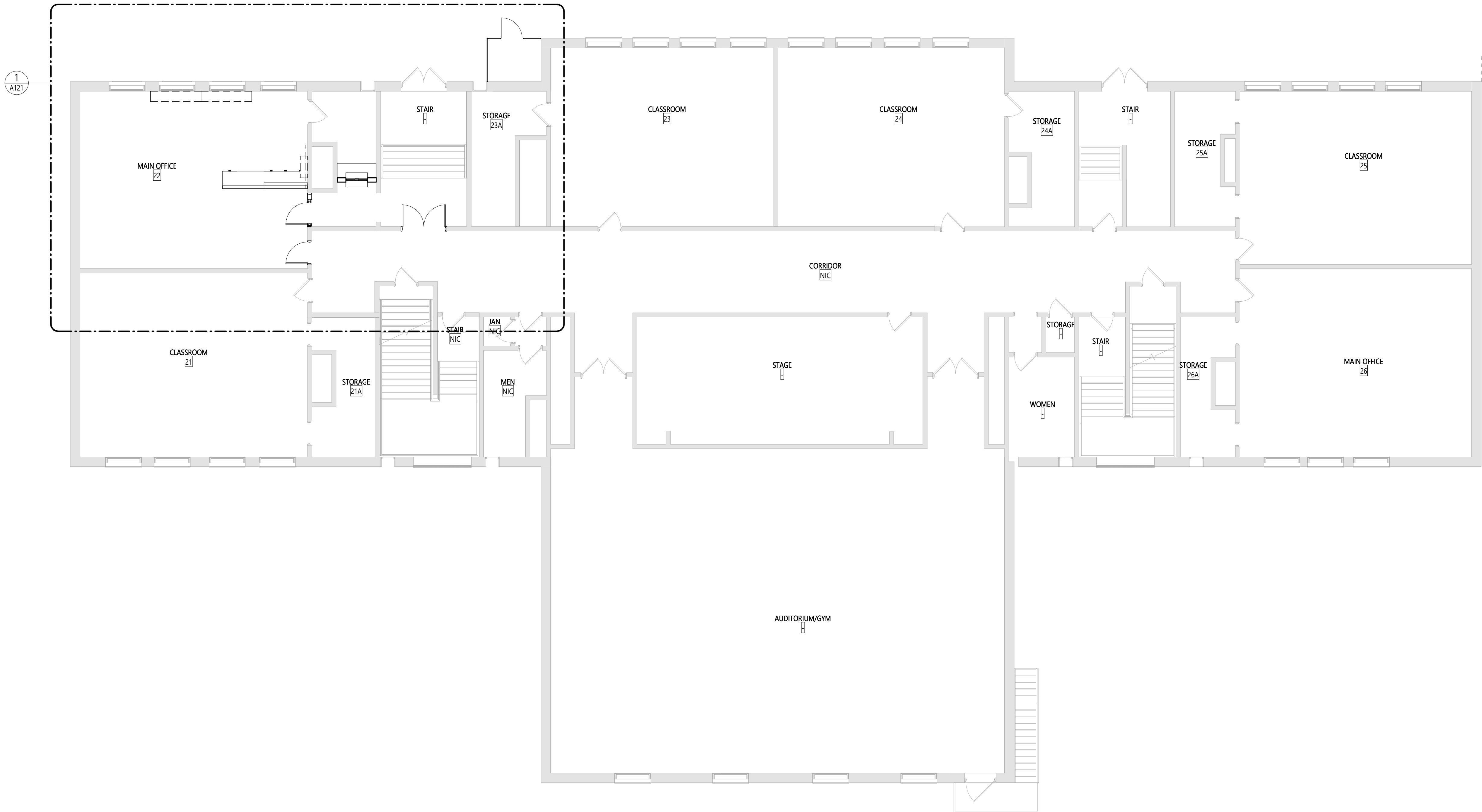
CONSTRUCTION DOCUMENTS

CS ARCH

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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
		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 VMPPH



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

Consultant

VALLEY CENTRAL SCHOOL DISTRICT  
MAYBROOK ALTERNATIVE LEARNING CENTER  
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




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Sheet Title  
OVERALL  
FLOOR PLAN -  
FIRST FLOOR






Sheet No.  
MAY  
G111  
CONSTRUCTION DOCUMENTS



# LIFE SAFETY PLAN LEGEND

	PRIMARY EXIT
	SECONDARY EXIT
	RESCUE WINDOW (SECONDARY EXIT)
	ACCESSIBLE EXIT
	RESCUE ASSISTANCE STATION/AREA OF REFUGE
<b>## OCCS</b> <b>(## OCCS)</b>	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
	DRINKING FOUNTAIN
	EMERGENCY EYE/FASEWASH STATION
	FIRE EXTINGUISHER, SMALL MOUNT
	FIRE EXTINGUISHER CABINET

## SMOKE SEPARATION LEGENDS





### FIRE SEPARATION LEGEND

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

<u>CODE NARRATIVE:</u>	
ORIGINAL CONSTRUCTION:	1980
CONSTRUCTION TYPE:	IB
FIRST FLOOR AREA:	16,938 SF GROSS
SECOND FLOOR AREA:	16,938 SF GROSS
THIRD FLOOR AREA:	16,942 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	180 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

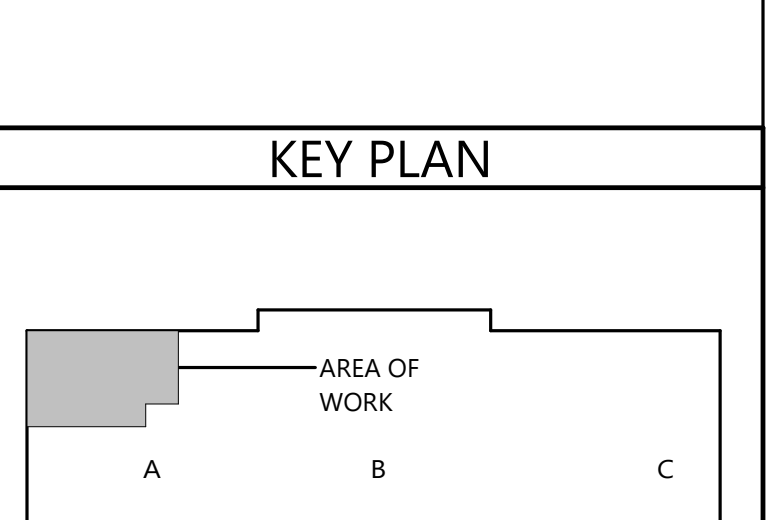
NSK CATALOG: III

DEAD LOADS:	
CONCRETE SLAB	xxx PSF

<b>LIVE LOADS:</b>	
SLAB	XXX PSF
<b>RAIN LOADS:</b>	
15-MINUTE RAINFALL INTENSITY	XXX IN/H
60-MINUTE RAINFALL INTENSITY	XXX IN/H
<b>SNOW LOADS:</b>	
GROUND SNOW LOAD	XX PSF
FLAT ROOF SNOW LOAD	XXX PSF
SLOPED ROOF SNOW LOAD	XXX
<b>WIND LOADS:</b>	
ULTIMATE WIND SPEED	XXX MPH
EXPOSURE CATEGORY	X
<b>SEISMIC DESIGN DATA:</b>	
SITE CLASS	X
SEISMIC DESIGN CATEGORY	X

FIRE AREA MODIFICATIONS (NYS SECTION 506)	
A	ALLOWABLE AREA PER FLOOD (SQUARE FEET)
1	100
2	200
3	300
4	400
5	500
6	600
7	700
8	800
9	900
10	1000
11	1100
12	1200
13	1300
14	1400
15	1500
16	1600
17	1700
18	1800
19	1900
20	2000
21	2100
22	2200
23	2300
24	2400
25	2500
26	2600
27	2700
28	2800
29	2900
30	3000
31	3100
32	3200
33	3300
34	3400
35	3500
36	3600
37	3700
38	3800
39	3900
40	4000
41	4100
42	4200
43	4300
44	4400
45	4500
46	4600
47	4700
48	4800
49	4900
50	5000
51	5100
52	5200
53	5300
54	5400
55	5500
56	5600
57	5700
58	5800
59	5900
60	6000
61	6100
62	6200
63	6300
64	6400
65	6500
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67	6700
68	6800
69	6900
70	7000
71	7100
72	7200
73	7300
74	7400
75	7500
76	7600
77	7700
78	7800
79	7900
80	8000
81	8100
82	8200
83	8300
84	8400
85	8500
86	8600
87	8700
88	8800
89	8900
90	9000
91	9100
92	9200
93	9300
94	9400
95	9500
96	9600
97	9700
98	9800
99	9900
100	10000

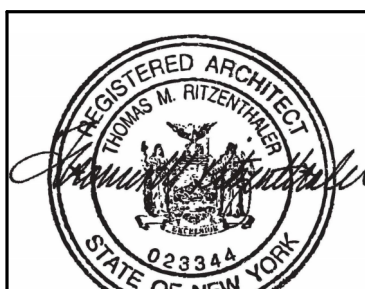
A	TABULAR ALLOWABLE AREA FACTOR (NS.51 S3R OR S3D VALU) IN ACCORDANCE WITH TABLE 506.2 (SQUARE FEET)	
N	AREA FACTOR INCREASE DUE TO POROSITY AS CALCULATED IN ACCORDANCE WITH SECTION 506.2 (PERCENT)	
NS	TABULAR ALLOWABLE AREA FACTOR IN ACCORDANCE WITH TABLE 506.2 FOR NONSPRINKLERED BUILDINGS	
S	ACTUAL NUMBER OF BUILDING STORIES ABOVE GRADE (DO NOT EXCEED 10)	
W	CALCULATED WIDTH OF PUBLIC WAY OR OPEN SPACE (FEET) IN ACCORDANCE WITH SECTION 506.2	
W <sub>n</sub>	LENGTH OF A PORTION OF THE EXTERIOR PERIMETER WALL	
L <sub>n</sub>	WIDTH (20 FEET) OF A PUBLIC WAY OR OPEN SPACE ASSOCIATED WITH A 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	$I = (P/P) - 0.25/300$	$A_n = A_n (NS \times I)$
X	$X = (100/X) - 0.25/300$	$A_n = A_n (NS \times X \times X)$
X	$X = (100/X) - 100$	$A_n = 1000 \times 10000$
X	$X = 100X$	$A_n = 100X \text{ sq ft}$




### Consultant

VALLEY CENTRAL SCHOOL DISTRICT  
MAYBROOK ALTERNATIVE LEARNING CENTER  
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EXPIRATION DATE: 02/28/202

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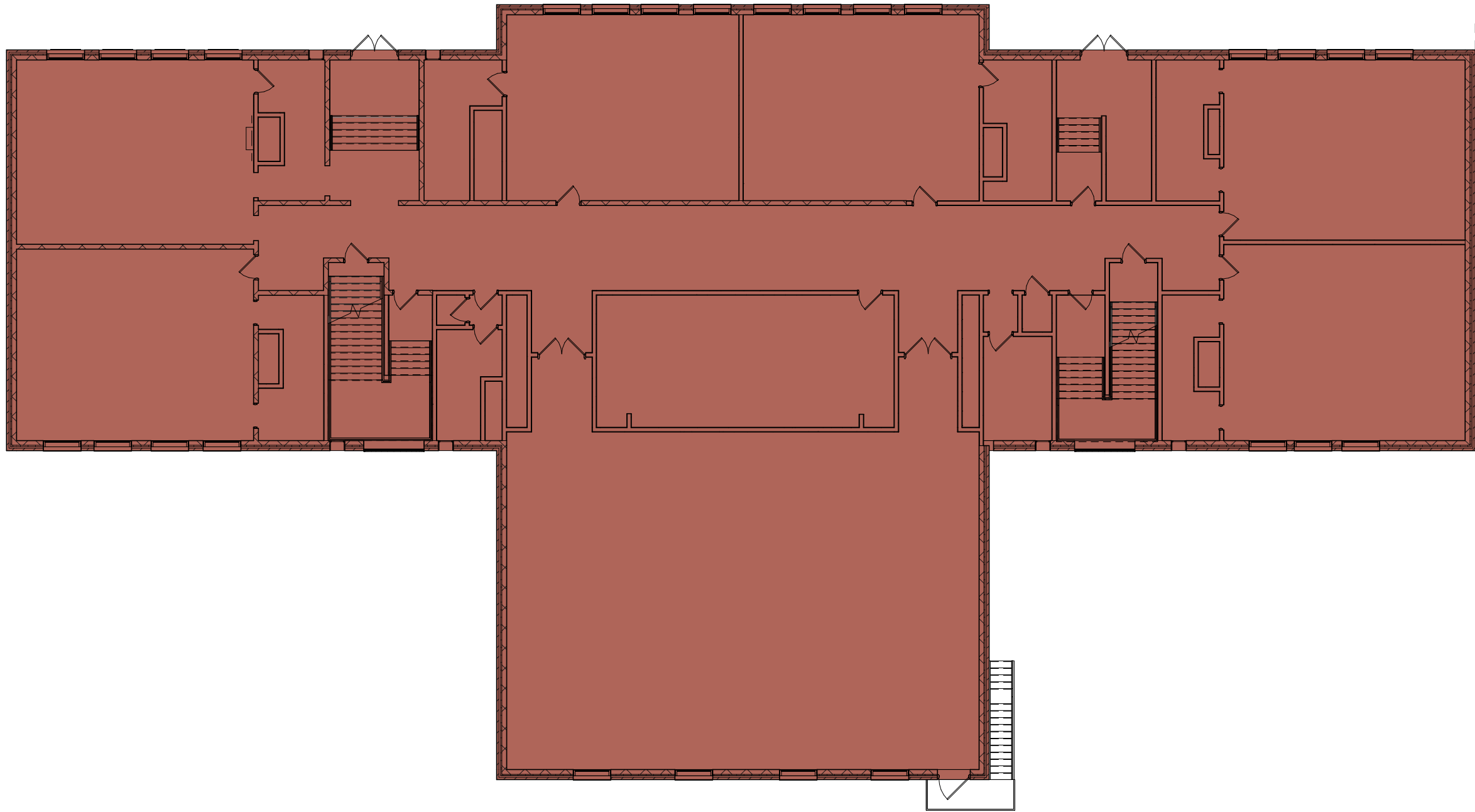
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Checked By:	Check
Proj. #:	44-13-01-06-0-002-C
CSArch Proj. #:	187-2302
Issued for Bid:	10/18/

LIFE SAFETY  
PLAN - FIRST  
FLOOR

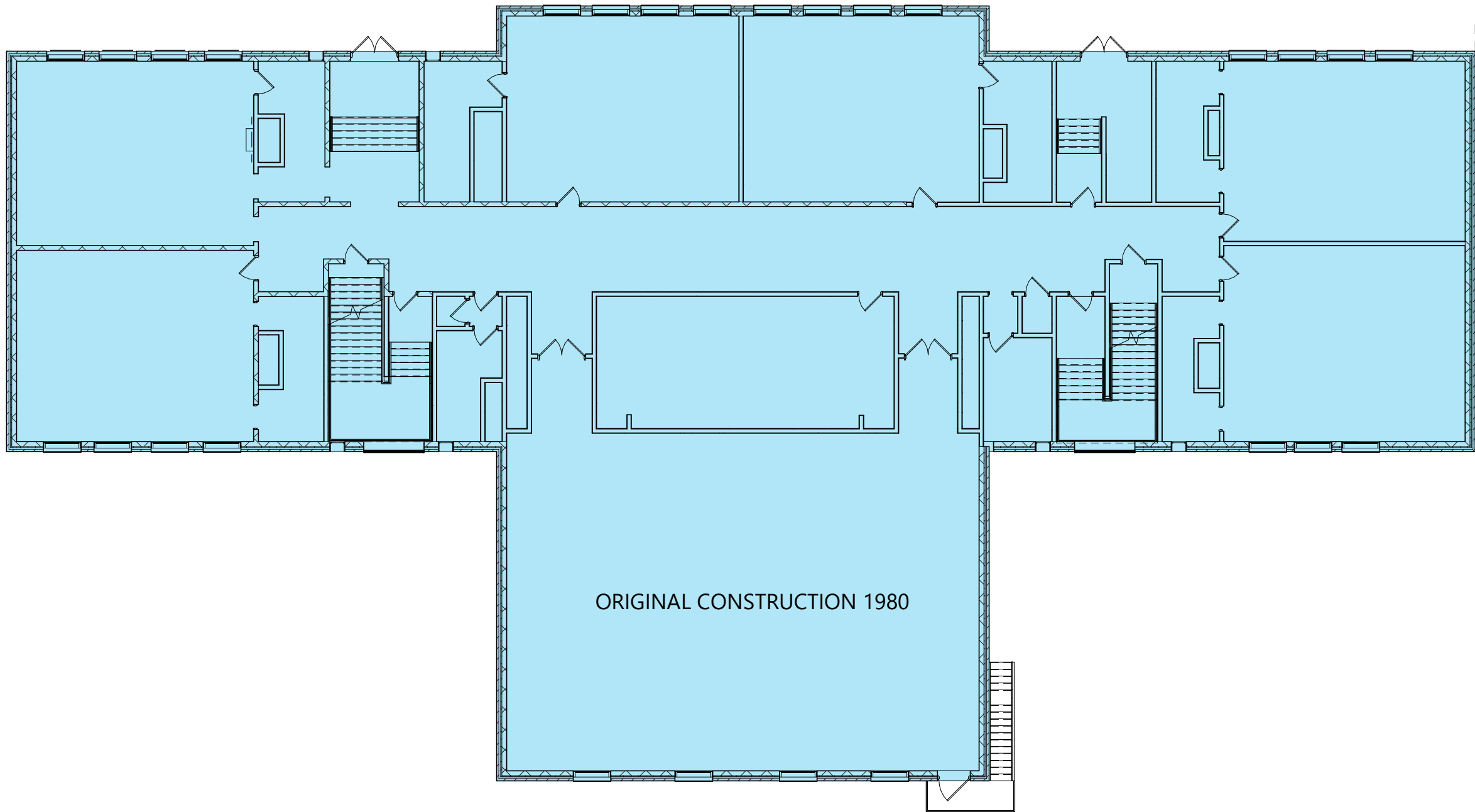
Sheet No.

MAY  
LS111

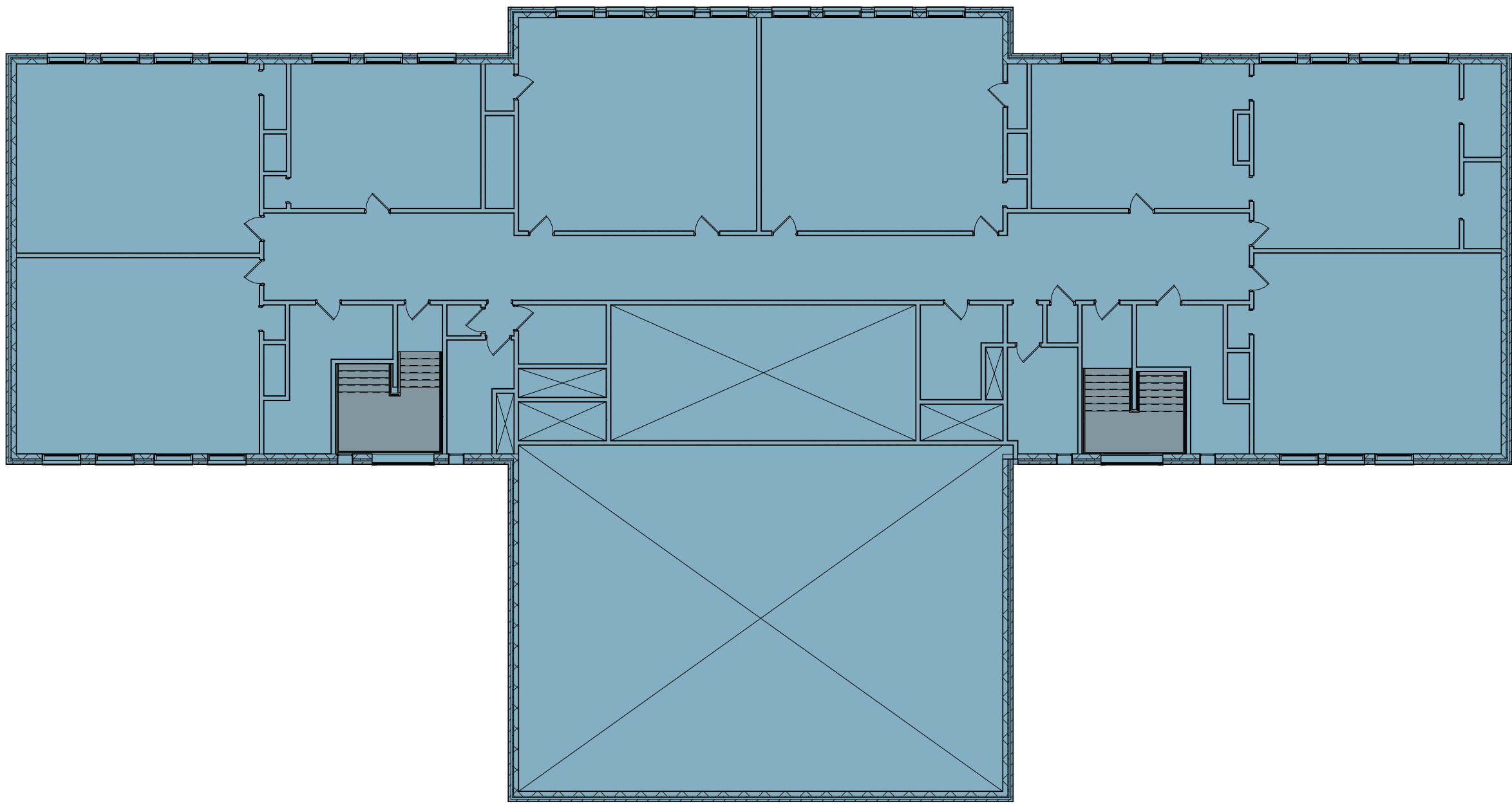




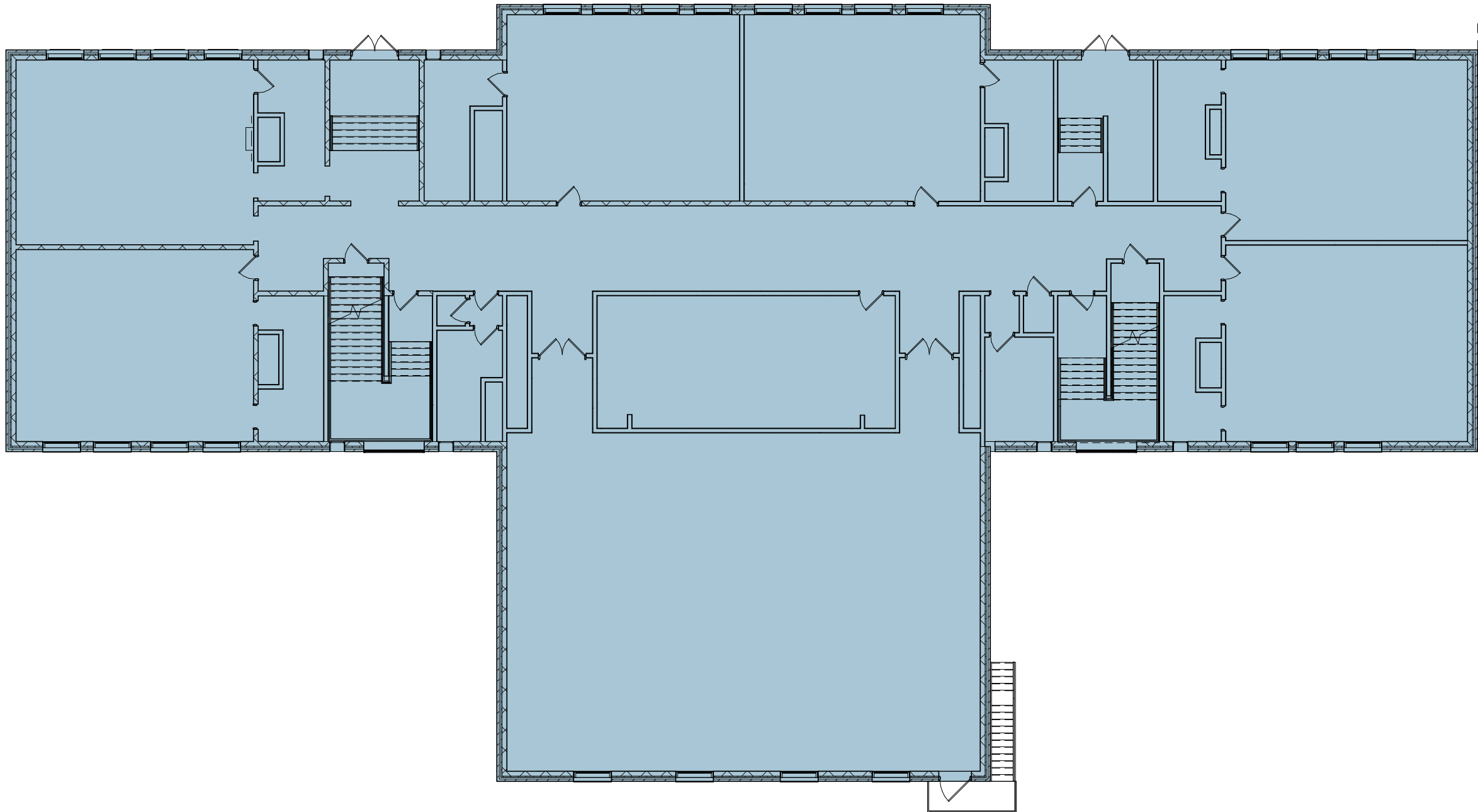
4 FIRE ZONE PLAN  
LS112 1/16" = 1'-0"



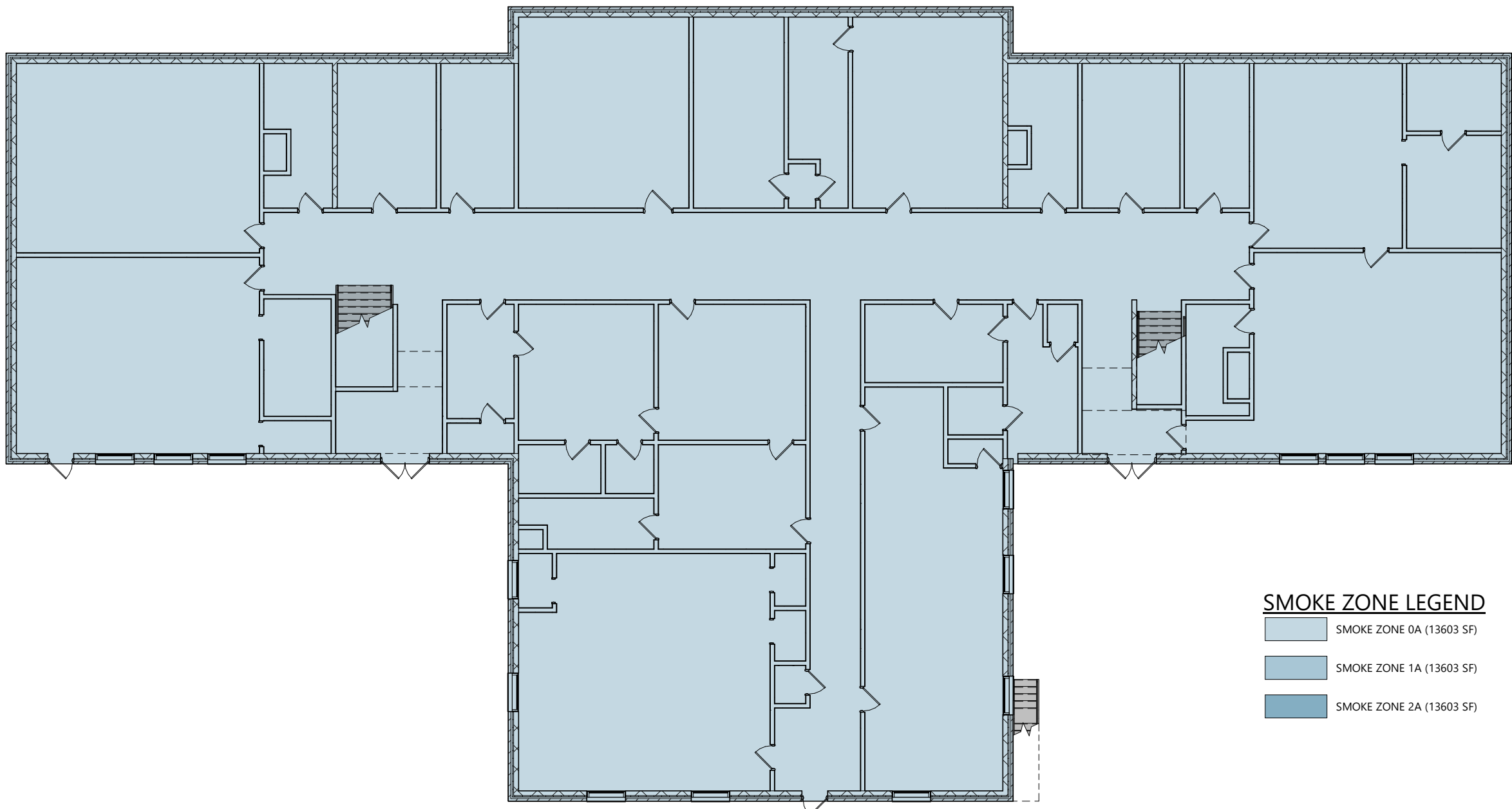
5 VINTAGE PLAN  
LS112 1/16" = 1'-0"



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



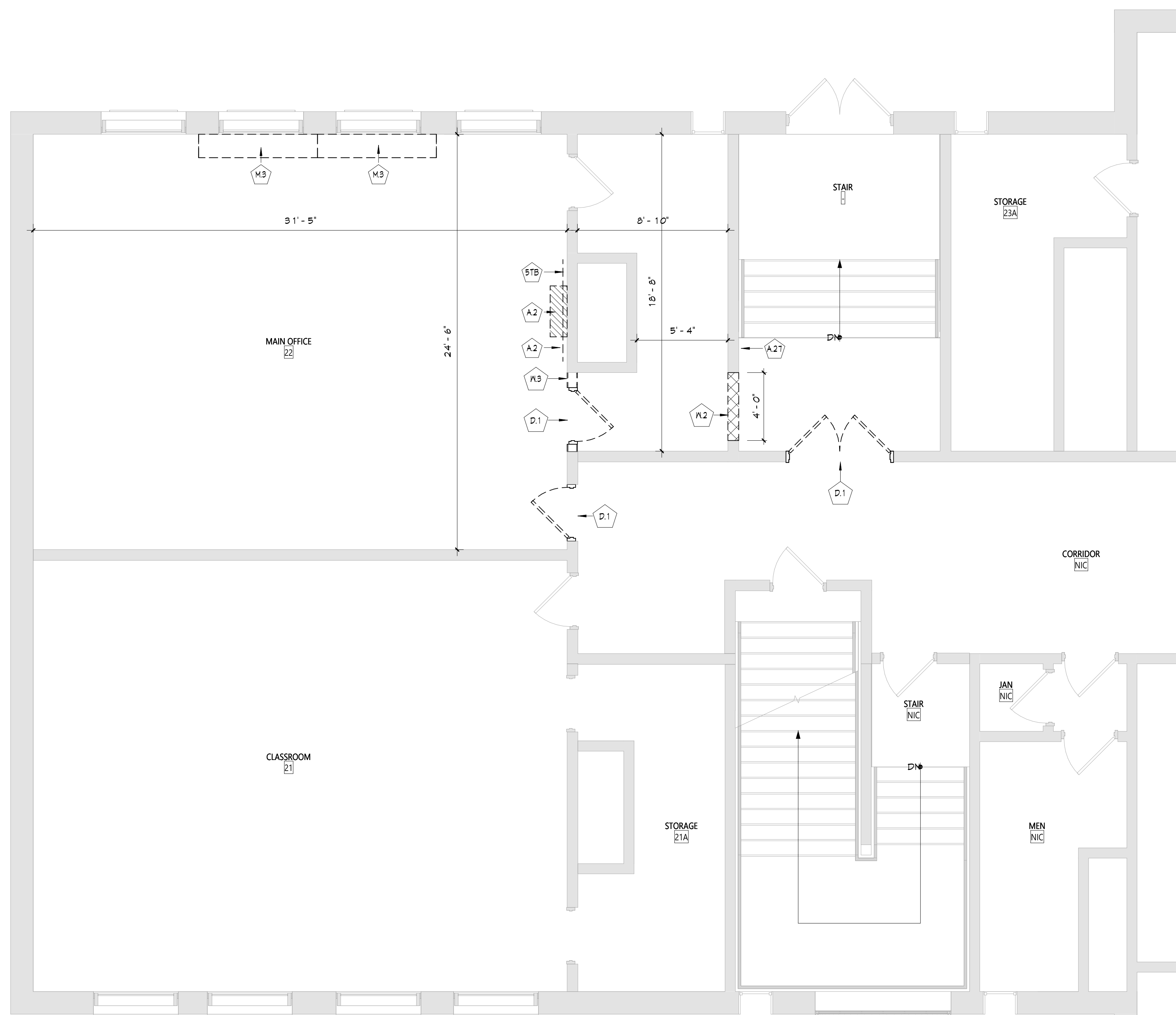
2 SMOKE ZONE FIRST FLOOR  
LS112 1/16" = 1'-0"



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

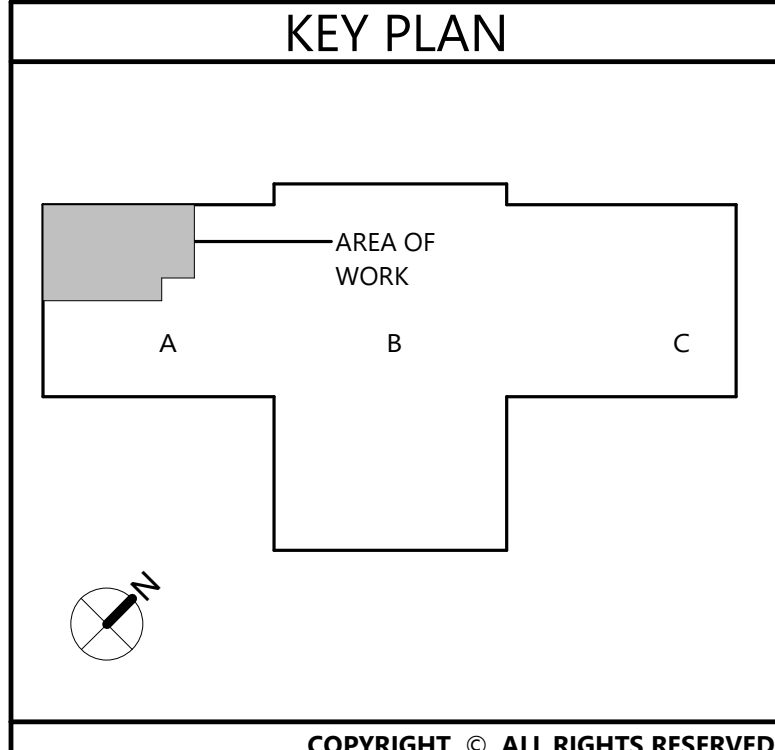
1 SMOKE ZONE BASEMENT FLOOR  
LS112 1/16" = 1'-0"





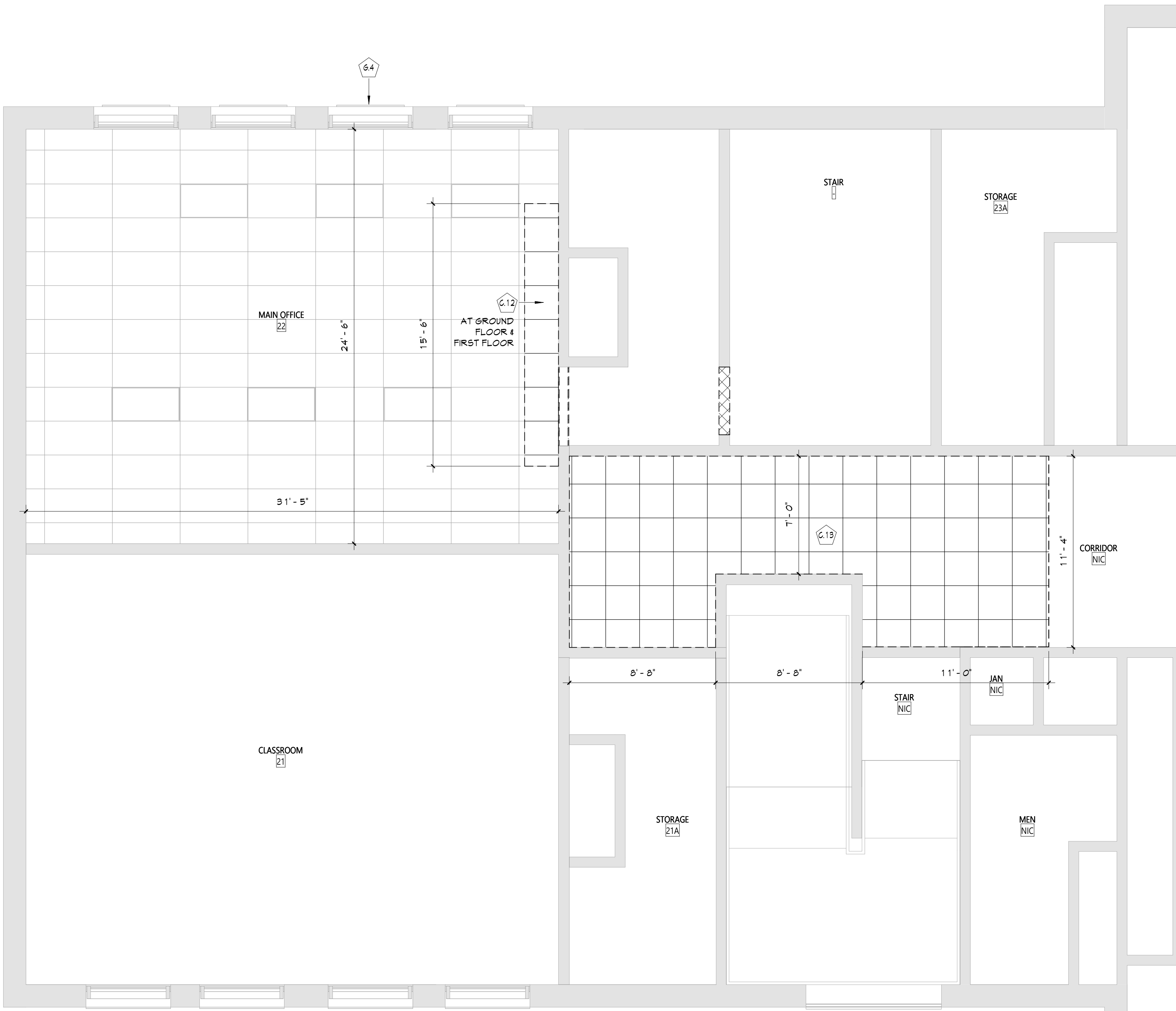
# 1 AREA A - PARTIAL FIRST FLOOR REMOVAL PLAN

GENERAL NOTES	
1.	COORDINATE ALL REMOVALS WITH NEW CONSTRUCTION.
2.	PATCH AND REPAIR 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 KEVED REMOVALS SHALL INCLUDE REMOVAL OF ANY AND ALL ANCHORS AND SYSTEMS INCLUDING OBJECTS EMBEDDED INTO EXISTING WALLS.
5.	REFER TO ASBESTOS AND MFP DRAWINGS FOR ADDITIONAL REMOVAL INFORMATION.
6.	PROVIDE TEMPORARY PROTECTIVE MEASURES NECESSARY AT ALL AREAS OF WALL REMOVAL AND NEW WALL PENETRATIONS.
7.	DRILL CORNERS OF ALL NEW SANGUIT OPENINGS PRIOR TO SANGUIT CUTTING TO PREVENT UNDESIRABLE SCHEDULED CONSTRUCTION TO REMAIN.
DEMOLITION KEYNOTES	
#	Description
A.2	REMOVE CASEWORK IN ITS ENTIRETY, INCLUDING ALL BLOCKING, FASTENERS, AND BASE TRIM. REFER TO MEP DRAWINGS FOR ADDITIONAL REMOVALS.
A.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.
D.1	SANGUIT AND REMOVE MASONRY WALL FOR EXISTING SHOWN. COORDINATE REMOVAL WITH NEW WORK.
X.3	REMOVE STUD PARTITION IN ITS ENTIRETY.





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

DEMOLITION KEYNOTES	
#	Description
C.12	TEMPORARILY REMOVE EXISTING CEILING TO ACCOMMODATE MEP WORK. SALVAGE AND REINSTALL AFTER MEP WORK IS COMPLETE.
C.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.

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2023 CAPITAL PROJECT - PHASE 1

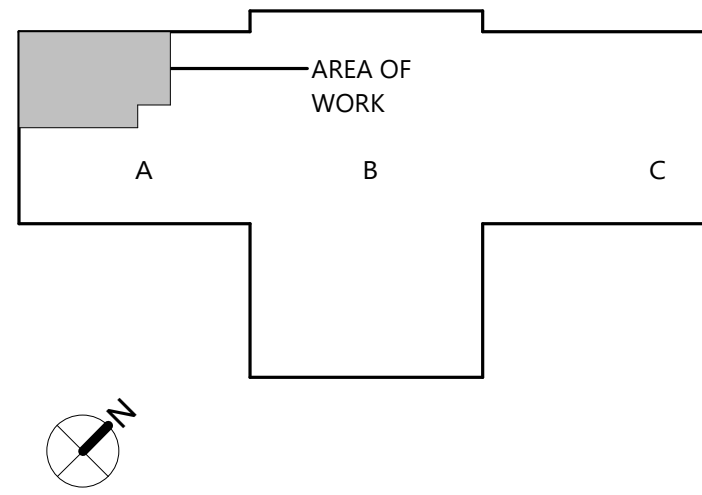
Project Title



DATE	DESCRIPTION

Drawn By:	Author:
Checked By:	Checker:
Proj. #:	44-13-01-86-0-002-013
CSArch Proj. #:	187-2302.01
Issued for Bid:	10/18/24

KEY PLAN



REFLECTED  
CEILING  
REMOVAL  
PLAN - FIRST  
FLR - AREA A

Sheet No.

MAY  
AD821

CONSTRUCTION DOCUMENTS

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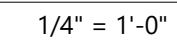
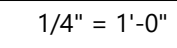










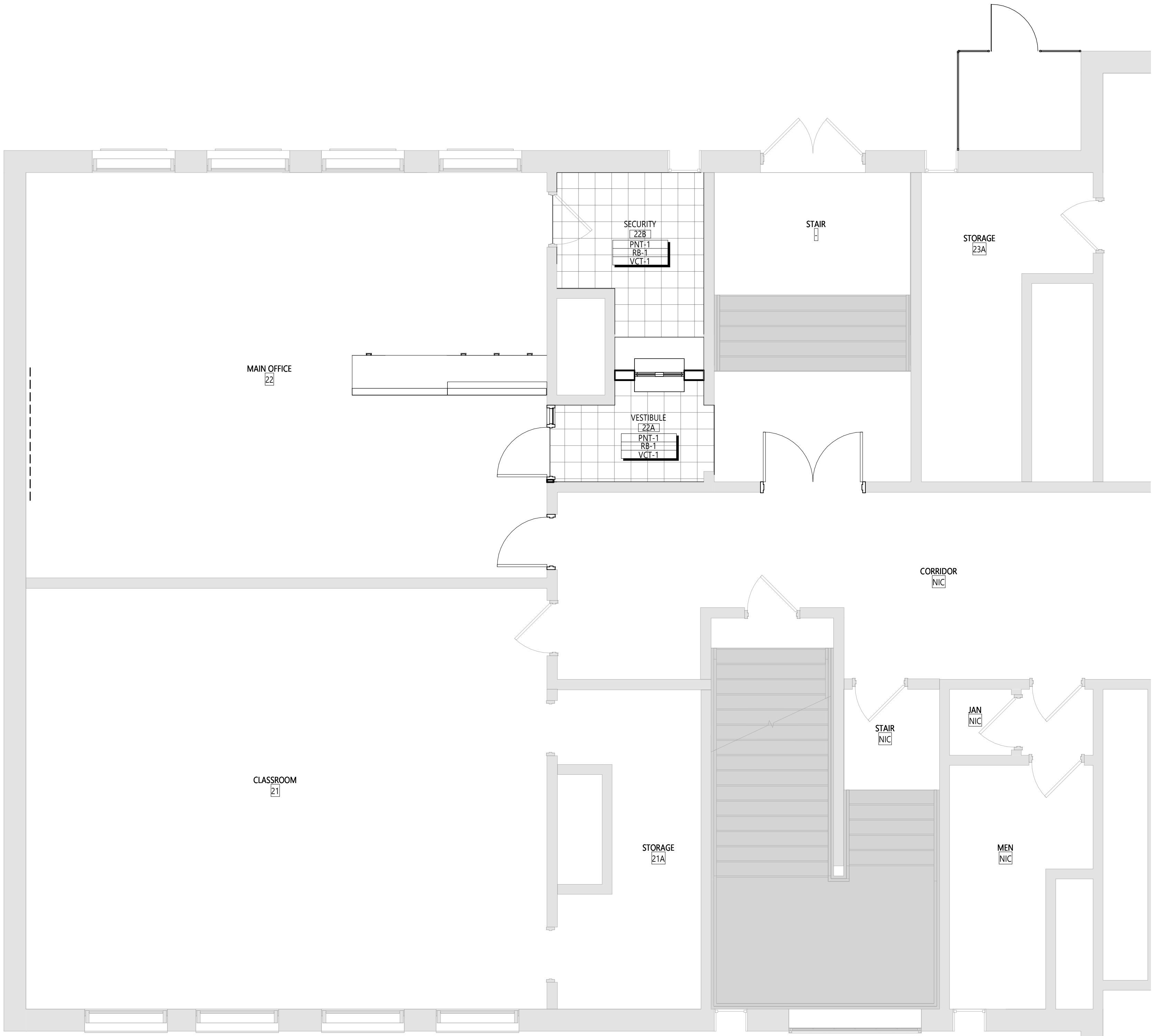




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ROOM FINISH SCHEDULE							
ROOM NUMBER	ROOM NAME	FLOOR		Wall Finish	Accent_Wall	CEILING	Comments
		FINISH	BASE				
22	MAIN OFFICE		RB-1	PNT-1			
22A	VESTIBULE	VCT-1	RB-1	PNT-1			
22B	SECURITY	VCT-1	RB-1	PNT-1			

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"	



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

DISCLAIMER NOTE

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

ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APG	ACOUSTICAL PANEL CEILING
BBT	BIO-BASED TILE
BRK	BRICK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CRT	CARPET
CTB	CERAMIC TILE BASE
CMT	CERAMIC MALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXST	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSSUM WALL BOARD
LMC	LINEAR METAL CEILING
MSB	MUSIC STORAGE SYSTEM
MWP	METAL WALL PANEL
PCON	POLISHED CONCRETE
FLAM	PLASTIC LAMINATE
PLAS	PLASTER
FNT	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
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VVC	VINYL WALLCOVERING
MAF	WOOD ATHLETIC FLOORING
MOD	WOOD
NOM	WALK-OFF MAT

GENERAL FINISH NOTES

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

FINISH KEYS

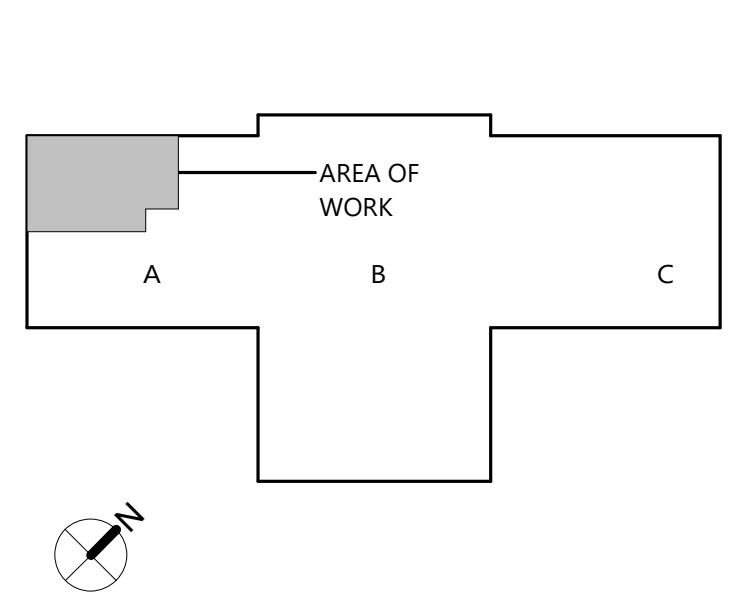
Room Name  
[101]  
Wall Finish  
Base Finish  
Floor Finish

Finish Tag

PNT-# ACENT PAINT LOCATION

VCT-1

KEY PLAN



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2023 CAPITAL PROJECT - PHASE 1

Project Title



EXPIRATION DATE: 02/28/2025

DATE	DESCRIPTION

Drawn By:	AS
Checked By:	44-13-01-86-0-002-013
Proj. #:	187-2302.01
CSArch Proj. #:	10/18/24
Issued for Bid:	

Sheet Title

MATERIAL  
SCHEDULE &  
FINISH FLOOR  
PLAN - AREA A

Sheet No.

MAY  
AF121

CONSTRUCTION DOCUMENTS

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## ABBREVIATIONS

ACMU	ARCHITECTURAL CONCRETE MASONRY UNIT
ACT	ACOUSTICAL CEILING TILE
APC	ACQUACAL PANEL CEILING
BRT	BU-BASED TILE
BBK	BIG-BLOCK
CFT	CERAMIC FLOOR TILE
CMU	CONCRETE MASONRY UNIT
CGC	CONCRETE
CPT	CARPET
CTB	CERAMIC TILE BASE
QMT	CERAMIC WALL TILE
ETR	EXISTING TO REMAIN
EXP	EXPOSED
EXT	EXISTING
FAC/FF	FACTORY FINISH
GWB	GYPSUM WALL BOARD
LMP	LINEAR METAL CEILING
MS	MUSIC STORAGE SYSTEM
MNG	METAL WALL PANEL
PCON	POURED CONCRETE
FLAM	FLAMISHED LAMINATE
FLAS	FLASHER
PNT	PAINT
RAF	RESILIENT ATHLETIC FLOORING
RBS	RUBBER BASE
RF	RESINOUS FLOORING
RT	RUBBER STAIR TREAD / LANDING
RT	RUBBER TILE FLOORING
SCONG	SEALED CONCRETE
SS	STAINLESS STEEL
STF	SYNTHETIC TURF FLOORING
STL	STEEL
TERR	TERRAZZO
TP	TILE PARTITIONS
TYF	TYPICAL
VCT	VINYL COMPOSITION TILE
VCTAS	VINYL COMPOSITION TILE ANTI-STATIC
VNG	VINYL WALLCOVERING
NOM	NOOD ATHLETIC FLOORING
MD	MOLD
KAF	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
Base Finish
Floor Finish

= Finish Tag

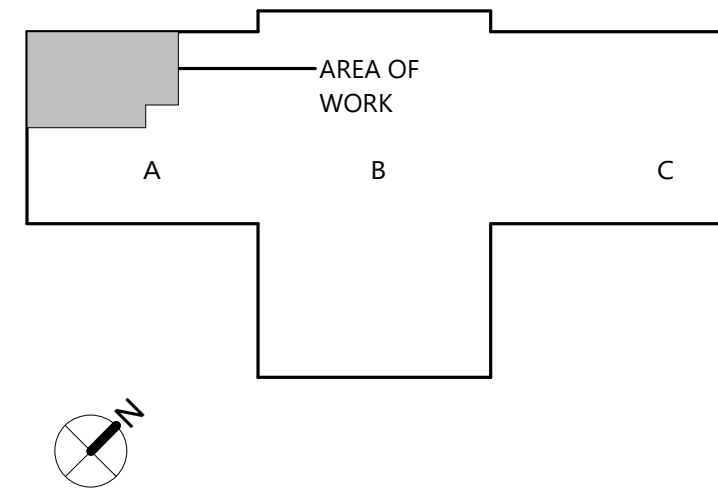
PNT-#

ACCENT PAINT LOCATION

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= VCT-1

## KEY PLAN



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2023 CAPITAL PROJECT - PHASE 1

Project Title



EXPIRATION DATE: 02/28/2025

	DATE	DESCRIPTION

Drawn By:	
Checked By:	Check
Proj. #:	44-13-01-06-0-002-01
CSArch Proj. #:	187-2302
Issued for Bid:	10/18/2

Sheet Title

PARTIAL  
FURNITURE  
PLAN - FIRST  
FLOOR- AREA  
A

Sheet No. MAY  
FE121

## CONSTRUCTION DOCUMENTS



NOTE:

- ALL VANED ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
- WHEN W1 IS NOT EQUAL TO W2, VANE SHALL BE SINGLE VANE TYPE REGARDLESS OF W DIMENSION.
- ALL SINGLE VANES SHALL HAVE A 2" RADIUS, 1-1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
- WHEN W EQUALS W2 AND W1 IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.

STANDARD RADIUS OR LONG RADIUS ELBOW

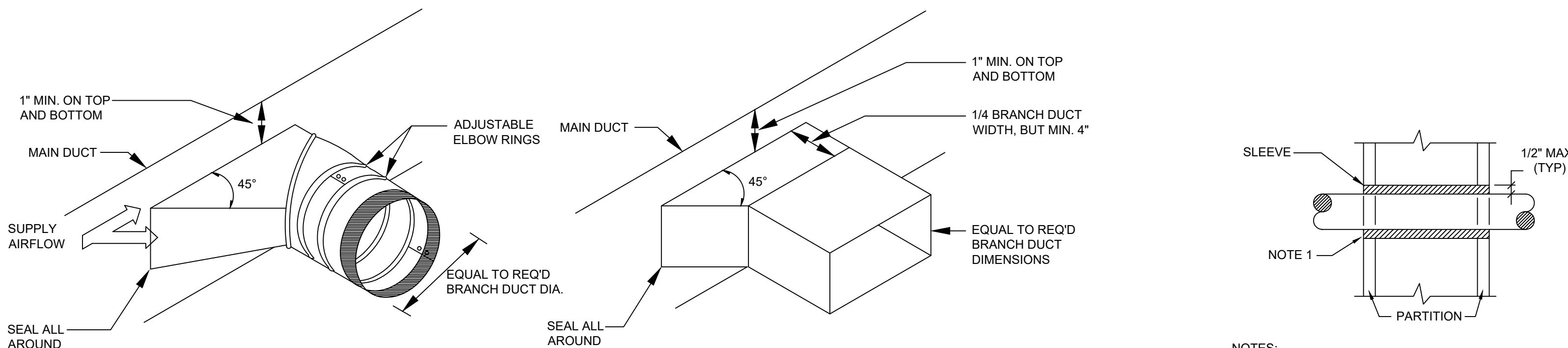
SHORT RADIUS ELBOW WITH ONE VANE

SHORT RADIUS ELBOW WITH TWO VANES

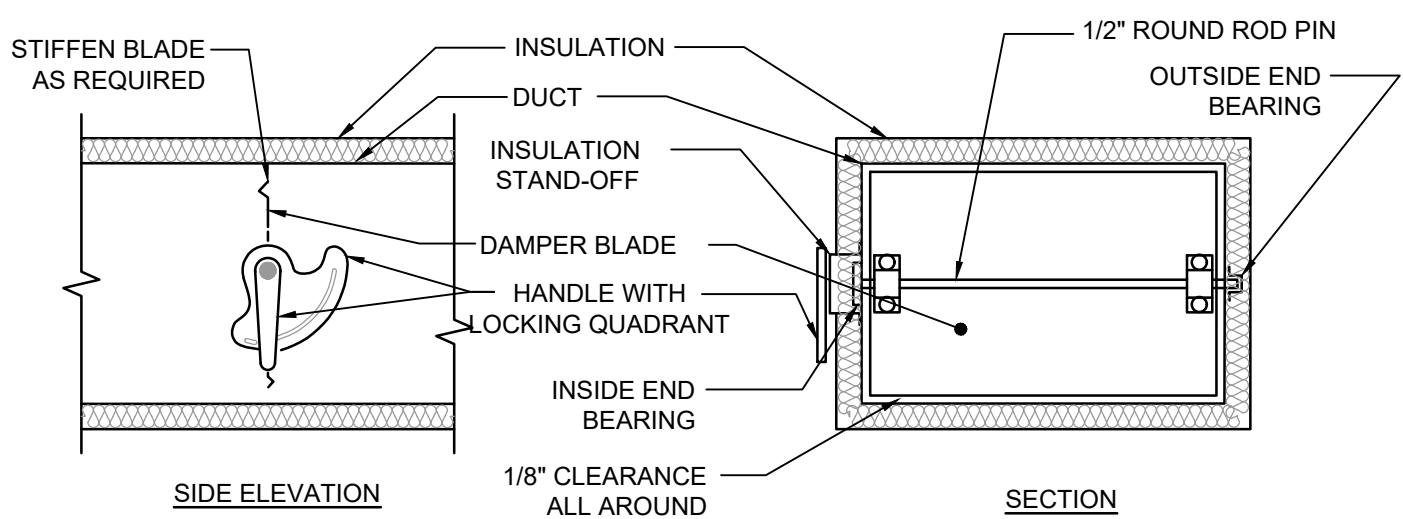
NOTE:

- THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
- ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

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



4	Pipe Penetrations Detail
M001	N.T.S.



- TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT  
PLAN OR SIDE VIEW

6 Ductwork Transition Detail  
M001 N.T.S.

Mechanical Legend :

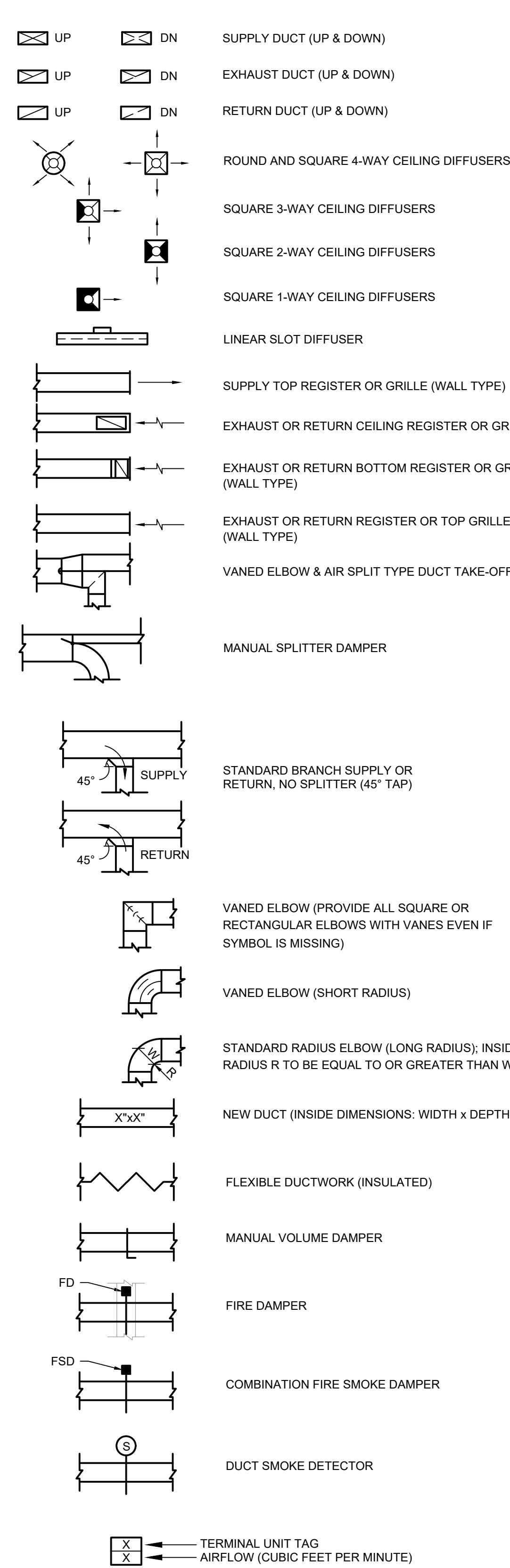


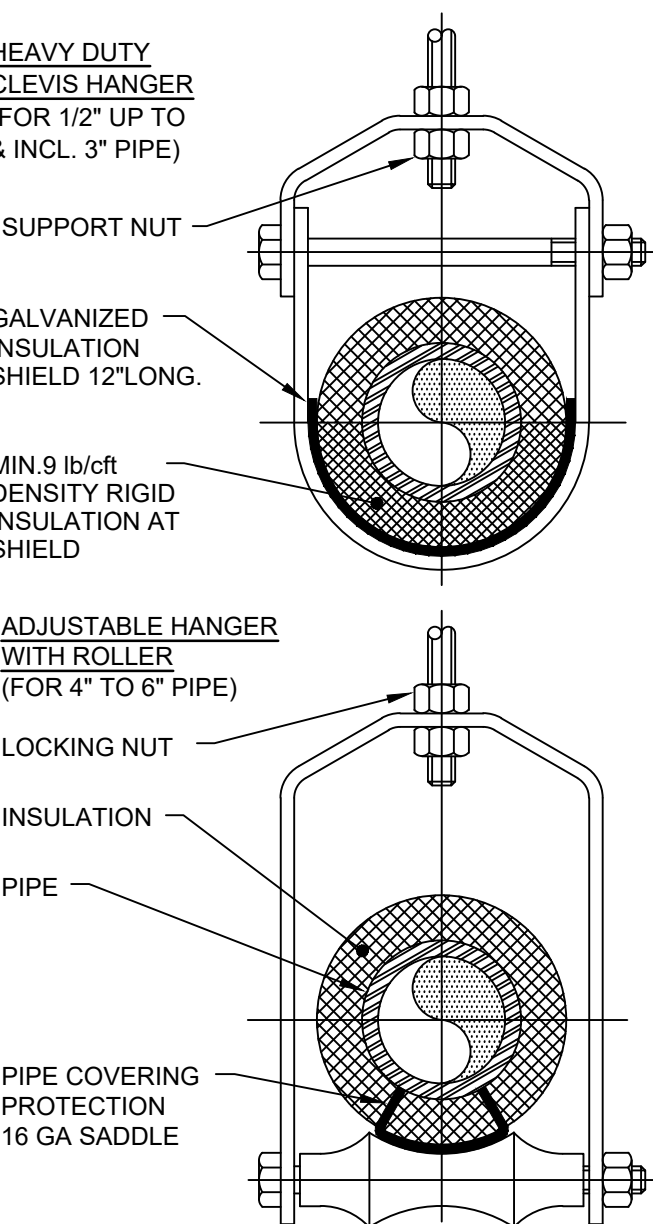
Diagram illustrating the components of a pipe hanger assembly. The top diagram shows a hanger with a nut, a washer, and a saddle. The bottom diagram shows a hanger with a nut, a washer, and a saddle, with a label 'HANGER' pointing to the top part.

- | PIPE Ø (IN.) | MAX. SPACING BETWEEN<br>HANGERS (FT.) |             |      | MIN. ROD<br>SIZE<br>(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                       |

Mechanical Notes:

1. ALL MATERIALS AND EQUIPMENT ARE TO BE NEW, UNUSED, AND FREE FROM DEFECTS OF ANY KIND. THE BASIS OF QUALITY SHALL BE THE LATEST REVISION OF ASTM, ANSI, OR OTHER ACCEPTABLE STANDARDS.
2. THESE DRAWINGS ARE DIAGRAMMATIC, AND INDICATE GENERAL ARRANGEMENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO HAVE REVIEWED THE SITE FOR HIS WORK PRIOR TO HAVING SUBMITTED HIS PROPOSAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR CONDITIONS FOUND DURING THE COURSE OF THE CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES.
4. ALL WORK INCLUDING LABOR AND MATERIALS SHALL BE FULLY GUARANTEED FOR ONE (1) YEAR FROM THE DATE OF PAYMENT AND FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
5. ALL CUTTING, PATCHING, FIRE-STOPPING, AND SURFACE RESTORATION IN CONNECTION WITH THIS TRADE SHALL BE COMPLETED BY THIS CONTRACTOR.
6. A MINIMUM OF FOUR (4) COPIES OF SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING AND INSTALLATION OF THE MATERIALS, AND/OR SUBMITTING SHOP DRAWINGS. THE CONTRACTOR REPRESENTS THAT ACTUAL FIELD CONDITIONS ARE VERIFIED BY HIM AND ARE REFLECTED ON HIS SUBMITTALS.
7. THIS CONTRACTOR SHALL PAY ALL FEES, GIVE ALL NOTICES, FILE ALL NECESSARY DRAWINGS, AND OBTAIN ALL PERMITS, INSPECTIONS AND CERTIFICATES OF APPROVAL REQUIRED IN CONNECTION WITH WORK UNDER THIS CONTRACT.
8. ALL WORK IN ASSOCIATION WITH THIS CONTRACT SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE 2014 EDITION OF THE NEW YORK STATE 2020 MECHANICAL CODE OF NEW YORK STATE & 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.
9. ALL PIPING SHALL BE PROPERLY SUPPORTED AND ROUTED PARALLEL OR PERPENDICULAR TO BUILDING WALLS. THE CONTRACTOR SHALL FURNISH AND PROVIDE SUPPORT HANGERS AND MISCELLANEOUS METALS REQUIRED FOR PROPER INSTALLATION OF WORK.
10. ALL PIPING SHALL BE VENTED SUCH THAT AIR IN THE SYSTEM CAN BE VENTED THROUGH MANUAL AIR PITCHES.
11. TEST PIPING AND PROVE TIGHT FOR AT LEAST TWO HOURS TO TWICE THE SYSTEM WORKING PRESSURE. TEST SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER AND LOCAL INSPECTOR. TEST SHALL BE REPEATED IF NECESSARY UNTIL FINAL APPROVAL OF SYSTEM IS OBTAINED.
12. SUPPORT HORIZONTAL PIPING UTILIZING A SPACING PER PIPING MANUFACTURER'S REQUIREMENTS.
13. INSTALL VALVES ON THE ENTIRE DISTRIBUTION SYSTEM, SO LOCATED AS TO GIVE COMPLETE CONTROL, TO ALL FIXTURES AND EQUIPMENT.
14. INSTALL DRAIN VALVES AT BASE OF ALL RISERS AND AT LOW POINTS OF PIPING SYSTEM. INSTALL MANUAL AIR VENT VALVE FACILITIES AT THE TOP OF ALL RISERS AND AT HIGH POINTS OF THE PIPING SYSTEM.
15. INSTALL ALL HYDRONIC PIPING AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
16. THE ENTIRE HYDRONIC SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED WATER FLOWRATE REQUIREMENTS. A CERTIFIED BALANCING REPORT AND VERIFICATION IS TO BE SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
17. ALL DUCTWORK IS TO BE CONSTRUCTED OF GALVANIZED SHEET STEEL EXCEPT WHERE OTHERWISE SPECIFIED WITH GAUGES, BRACING AND CONSTRUCTION IN ACCORDANCE WITH THE LATEST SMACNA DUCT MANUAL STANDARDS AND ALL OTHER AUTHORITIES HAVING JURISDICTION.
18. PROVIDE MANUAL DAMPERS AT EACH SPLIT OR TAP CONNECTION TO TRUNK DUCTS FOR BALANCING PURPOSES WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. EACH DAMPER SHALL BE OF THE DUCTWORK CASING, ACCESS DOORS AND FRAMES AWAY OF EACH FIRE DAMPER FOR INSPECTION AND MAINTENANCE. DOORS SHALL BE A MINIMUM OF 20 GA. DOUBLE PANEL INSULATED TYPE.
19. FURNISH & INSTALL FUSIBLE LINK FIRE DAMPERS AT ALL LOCATIONS WHERE DUCT PENETRATES FIRE-RATED FLOOR OR CEILING ASSEMBLY WHETHER OR NOT SPECIFICALLY SHOWN ON DRAWINGS. EACH DAMPER SHALL BE OF THE DUCTWORK CASING, ACCESS DOORS AND FRAMES AWAY OF EACH FIRE DAMPER FOR INSPECTION AND MAINTENANCE. DOORS SHALL BE A MINIMUM OF 20 GA. DOUBLE PANEL INSULATED TYPE.
20. INSTALL TURNING VANES ON ALL RECTANGULAR TURNS. TURNING VANES SHALL BE DOUBLE THICKNESS TYPE CONSTRUCTED IN ACCORDANCE WITH SMACNA MANUAL.
21. ROUND SHEET STEEL ELBOWS ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL SUPPLY AIR DIFFUSERS. SHEET STEEL PLENUM BOXES ARE TO BE INSTALLED AT THE DUCT CONNECTION TO ALL RETURN AND EXHAUST AIR GRILLES. THE CONTRACTOR IS TO PAINT THE INSIDE OF THE SHEET STEEL PLENUM BOXES FLAT BLACK.
22. INSTALL ALL DUCTWORK AS HIGH AS POSSIBLE PROVIDING RISERS, DROPS AND OFFSETS TO CLEAR STRUCTURAL MEMBERS, LIGHT FIXTURES, OTHER PIPING, AND OTHER OBSTRUCTIONS. WHERE CONFLICTS ARISE, IT SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO PROCEEDING.
23. THE ENTIRE AIR DISTRIBUTION SYSTEM IS TO BE BALANCED TO WITHIN 10% OF THE SPECIFIED AIRFLOW REQUIREMENTS.
24. THE CONTRACTOR IS RESPONSIBLE TO TEST ALL EQUIPMENT, PIPING, FIXTURES, AND SYSTEMS INSTALLED UNDER THIS CONTRACT FOR PROPER OPERATION PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ENGINEER.
25. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHETHER SPECIAL LICENSING IS REQUIRED IN ORDER TO PERFORM THE REQUIRED WORK IN THE MUNICIPALITY WHERE THE PROJECT IS LOCATED. IF THE CONTRACTOR CANNOT OBTAIN THE REQUIRED LICENSING TO COMPLETE THE WORK WITHIN THE PROJECT SCHEDULE, THEN THE CONTRACTOR SHALL NOT BE PERMITTED TO BID ON THIS PROJECT.
26. CONTRACTOR IS RESPONSIBLE TO CREATE AND SUBMIT RED-LINE "AS-BUILT" PLANS TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AS-BUILT PLANS SHALL ACCURATELY REPRESENT THE SYSTEMS AS THEY WERE INSTALLED.

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

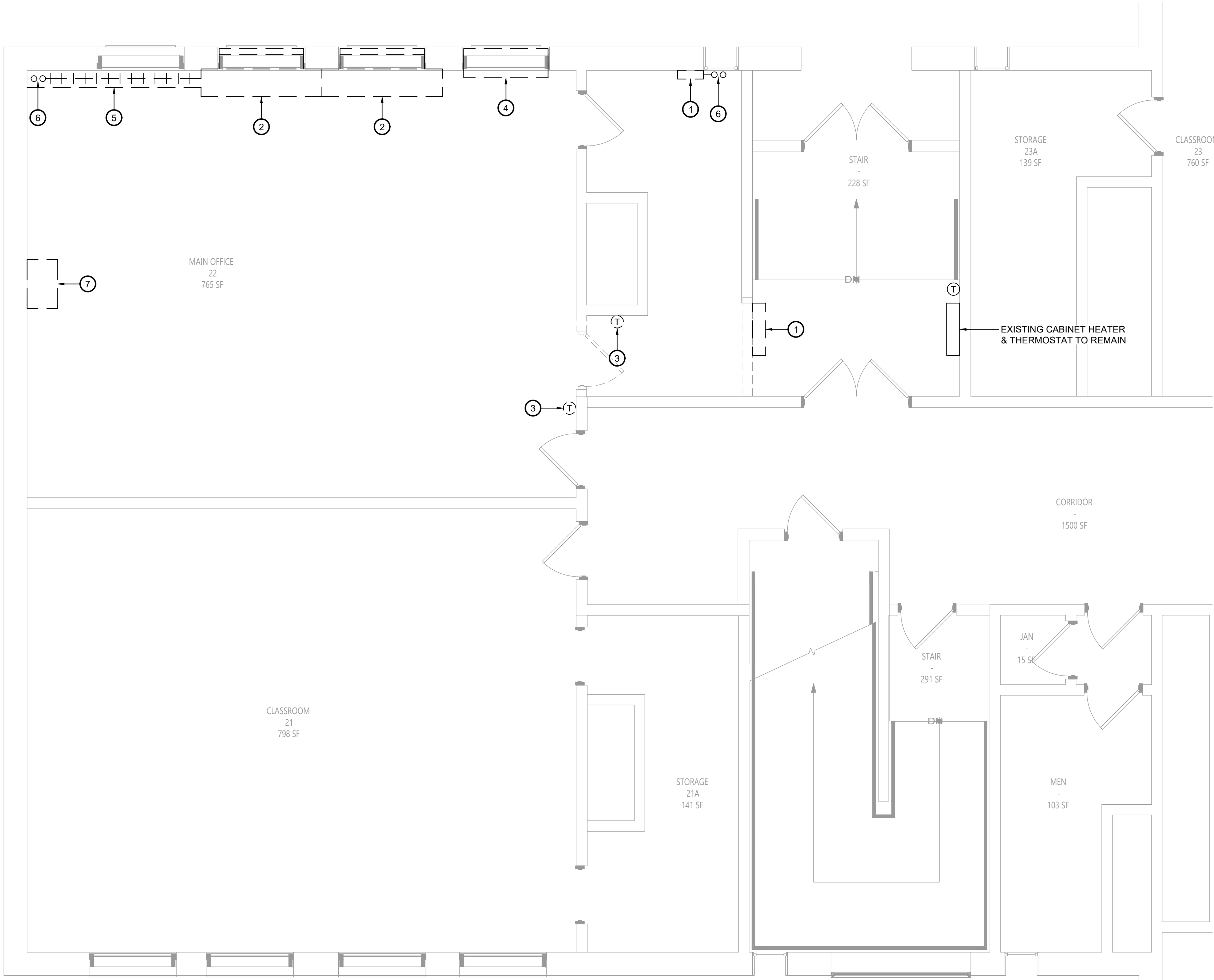


- NOTES:**
1. PIPE 8" AND LARGER SHALL HAVE ROLLER SUPPORTED WITH DUAL RODS.
  2. FOR CHW SERVICE OVER 3" REPLACE SADDLE WITH 12" LONG 14 GA SHIELD WITH RIGID INSULATION BETWEEN PIPE AND SHIELD.

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

7	Pipe Hanger Support
M001	N.T.S.

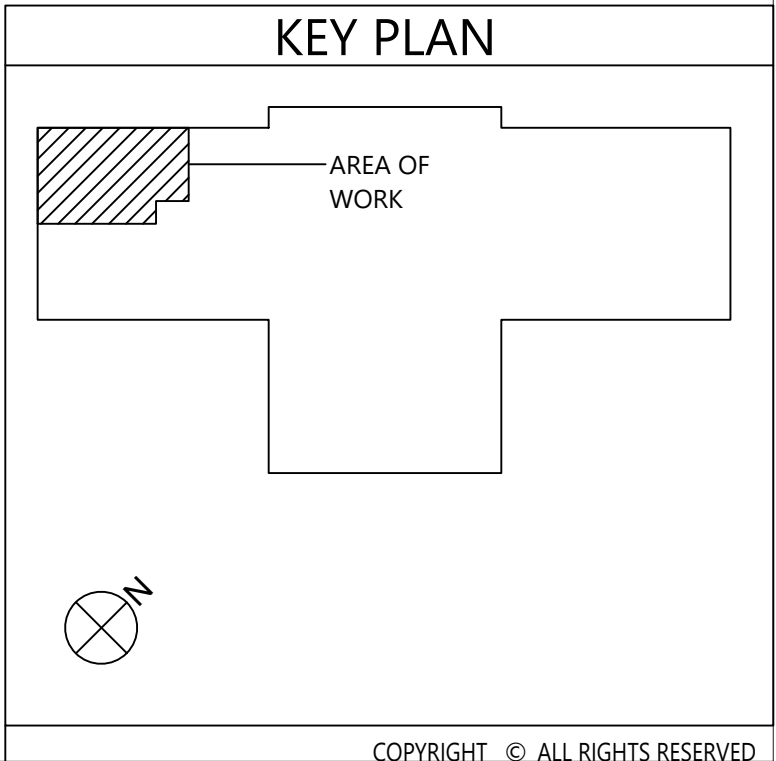




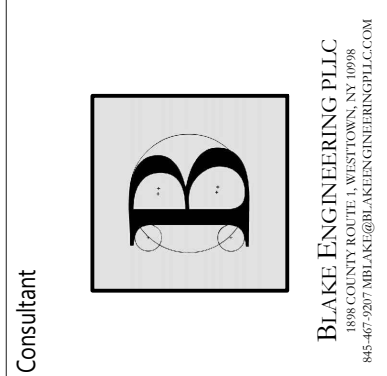
1 Mechanical Demolition Plan  
MD111 Scale: 1/4" = 1'-0"

Key Notes:

- 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
- 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
- EXISTING THERMOSTAT TO BE DISCONNECTED, REMOVED & PROPERLY DISPOSED OF INCLUDING ANY ASSOCIATED WIRING, TUBING, CONDUIT, ACCESSORIES, ETC.;
- EXISTING WINDOW AIR CONDITIONING UNIT TO BE DISCONNECTED, REMOVED & TURNED OVER TO OWNER
- 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
- 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
- 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



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

Project Title



#	DATE	DESCRIPTION

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

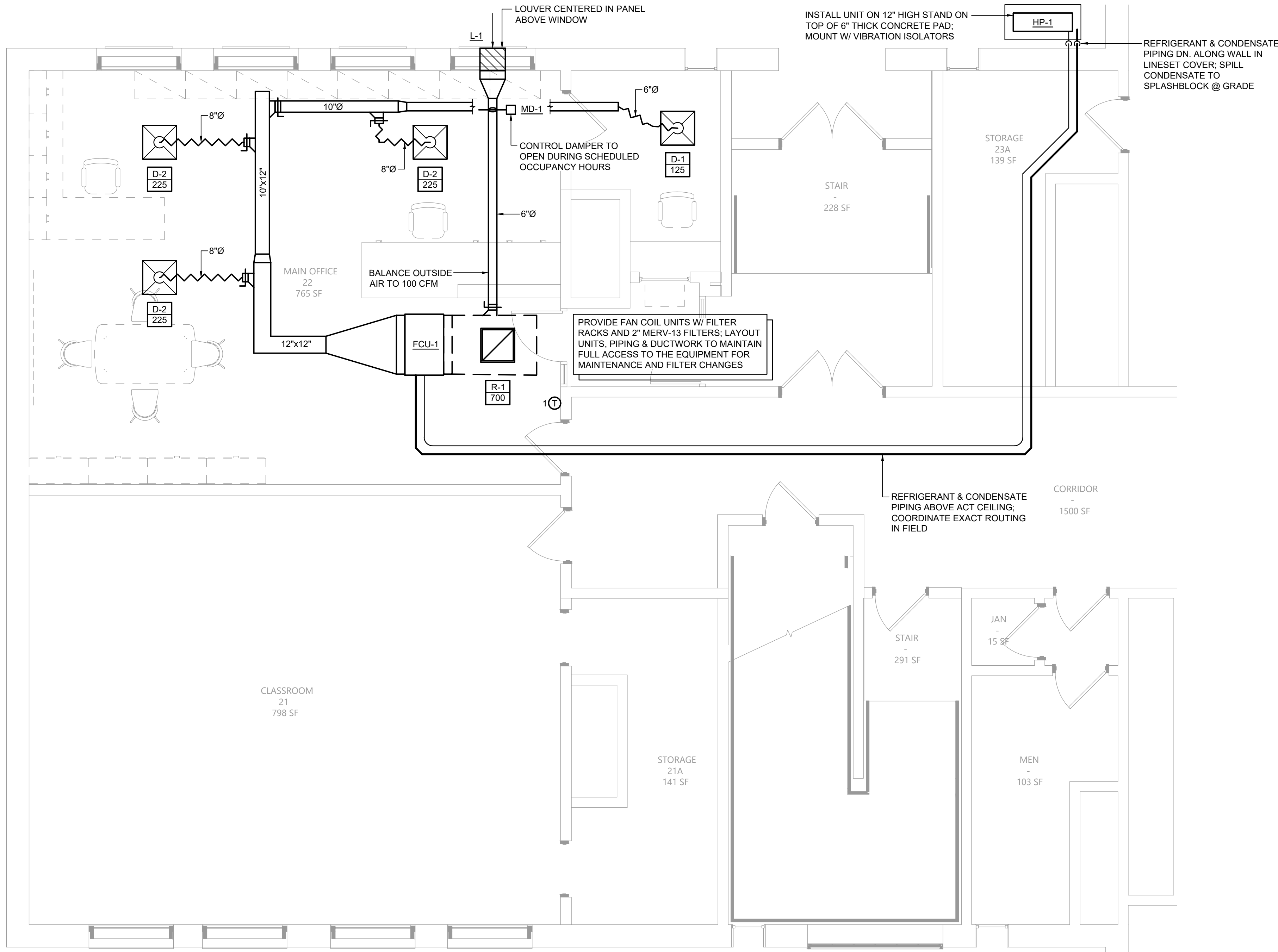
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MECHANICAL  
DEMOLITION  
PLAN

Sheet No.  
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MD111

CONSTRUCTION DOCUMENTS



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



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				WEIGHT (LB)	NOTES
						CAPACITY (MBH)	EDB (°F)	EWB (°F)	CAPACITY (MBH)	EDB (°F)	EWB (°F)			VOLT	PHASE	Hz	W		
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

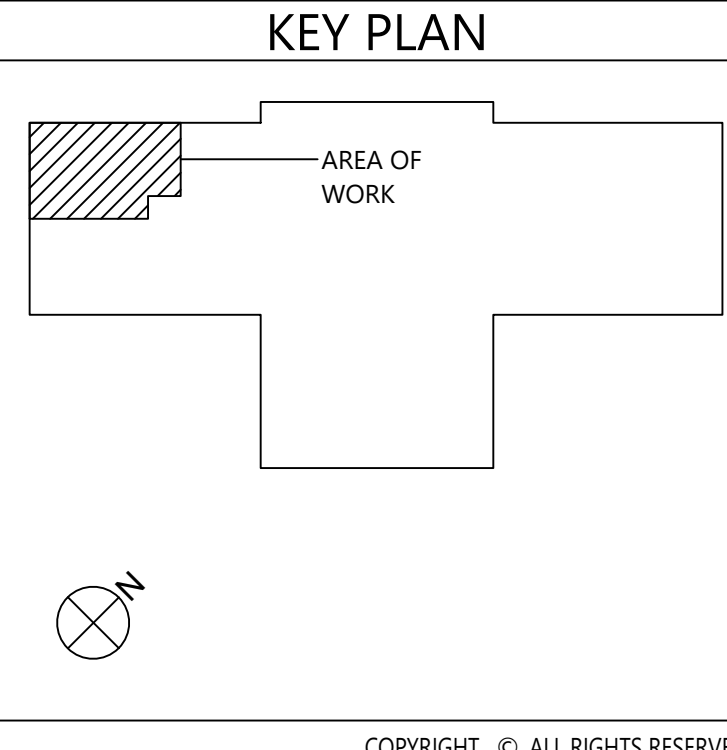
AIR-COOLED HEAT PUMP SCHEDULE																				
EQUIPMENT TAG	MANUFACTURER (OR ACCEPT. EQUAL)	MODEL	INDOOR UNITS SERVED	COMPRESSOR TYPE	NOM. COOL CAPACITY (MBH)	NOM. HEAT CAPACITY (MBH)	OUTDOOR OPERATING TEMP. RANGE (°F)		AHRI EFFICIENCY RATINGS			REFRIGERANT	SOUND PRESSURE LEVEL COOLING/HEATING (dBA)	ELECTRICAL POWER REQUIREMENTS				WEIGHT (LB)	NOTES	
							COOLING	HEATING	EER	SEER	COP			VOLT.	PHASE	Hz.	MCA			MOCP
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.														

#### VRF System Notes:

- WIRED 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 THE 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.





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-L32/840-AD-DIM-UNV	LED	120	1	25.8	25.8	RECESSED	2'x2'	4000K COLOR TEMPERATURE
B		HE WILLIAMS VOLTAIRE ARCHITECTURAL WALL PACK VWPH-L30/740-T3-DBZ-SDGL-EM/10WC-DIM-UNV	LED	120	1	36	36	SURFACE WALL MOUNT	12"x12"	VANDAL RESISTANT; 4000K COLOR TEMPERATURE; W/ LED EMERGENCY 90 MINUTE LOW TEMPERATURE BATTERY BACKUP; UL 924 LISTED FIXTURE
-		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 ANNUNCIATOR PANEL
	REMOTE TEST SWITCH & LED FOR DUCT SMOKE DETECTORS
	FIRE ALARM RELAY

SECURITY LEGEND:

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

ELECTRICAL LEGEND:

	MOTOR
	EARTH GROUND
	JUNCTION BOX
	EMERGENCY POWER OFF BUTTON
	FUSE WITH RATING
	MOLDED CASE CIRCUIT BREAKER
	DISCONNECT SWITCH, UNFUSED
	DISCONNECT SWITCH, FUSED
	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:

- 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.
- 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.

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	CKT BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD	
EXISTING LOAD	EXISTING WIRING	20	1	-	-	-	2	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	3	-	-	-	4	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	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	-	-	-	20	-	-	SPACE	
			19	-	-	-	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	CKT BREAKER AMPACITY	CONDUCTORS	CONNECTED LOAD	
EXISTING LOAD	EXISTING WIRING	20	1	-	-	-	2	20	EXISTING WIRING	EXISTING LOAD	
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 LOAD	EXISTING WIRING	20	7	-	-	-	8	20	EXISTING WIRING	EXISTING LOAD	
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 LOAD	EXISTING WIRING	20	13	-	-	-	14	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	15	-	-	-	16	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	17	-	-	-	18	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	19	-	-	-	20	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	21	-	-	-	22	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	23	-	-	-	24	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	25	-	-	-	26	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	27	-	-	-	28	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	29	-	-	-	30	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	31	-	-	-	32	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	33	-	-	-	34	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	35	-	-	-	36	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	37	-	-	-	38	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	39	-	-	-	40	20	EXISTING WIRING	EXISTING LOAD	
EXISTING LOAD	EXISTING WIRING	20	41	-	-	-	42	20	EXISTING WIRING	EXISTING LOAD	
CUTLER 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 & A/V OUTLETS	18" A.F.F.
NOTE: ALL DIMENSIONS ARE TO CENTER OF DEVICE UNLESS OTHERWISE NOTED	

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Consultant

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

Project Title



#	DATE	DESCRIPTION

Drawn By: BJK  
Checked By: 44-13-01-06-0-202-013  
CSArch Proj. #: 187-2302.01  
Issued for Bid: 10/18/24

Sheet Title

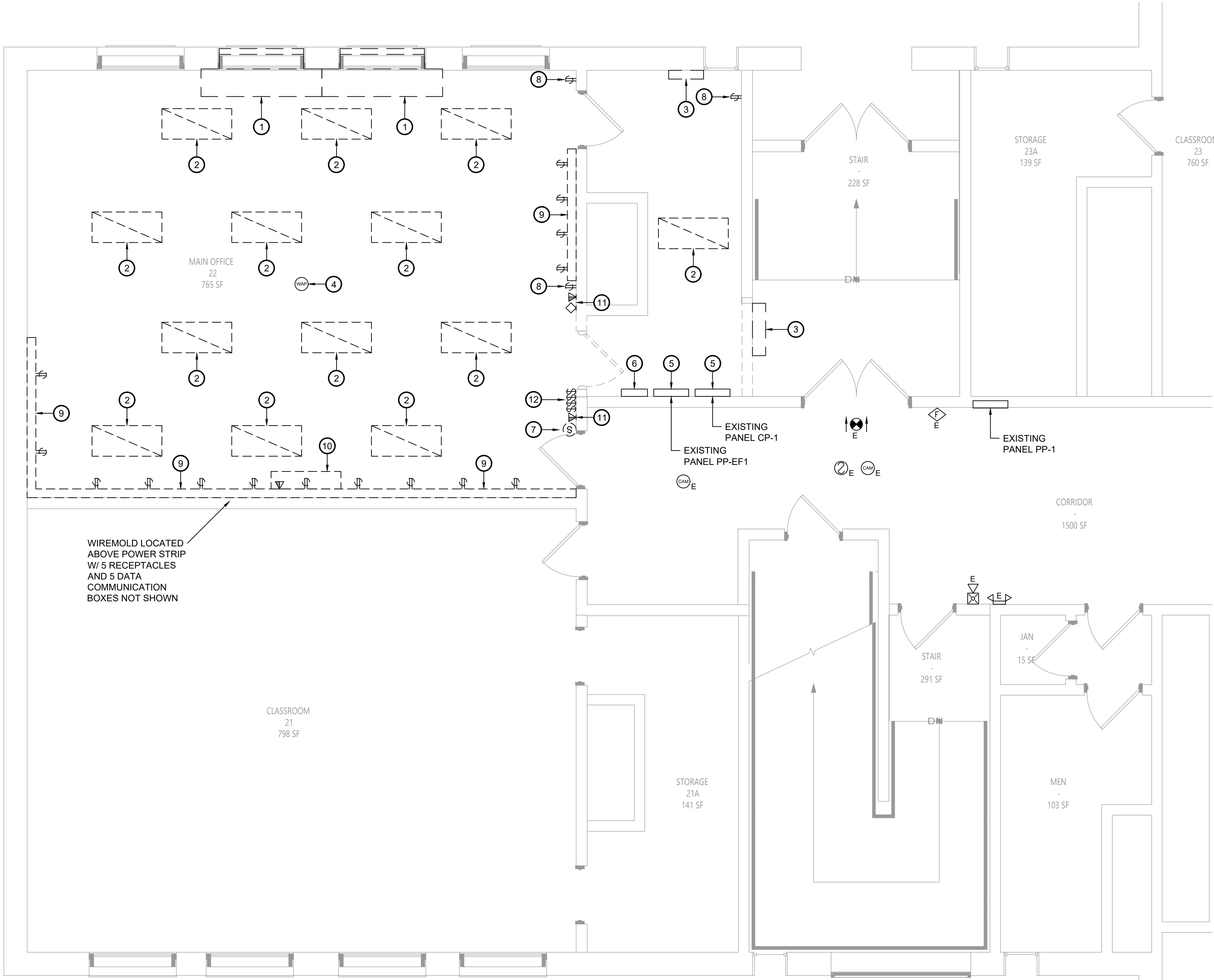
ELECTRICAL  
NOTES,  
LEGENDS,  
SCHEDULES &  
DETAILS

Sheet No.

MAY  
E001

CONSTRUCTION DOCUMENTS





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

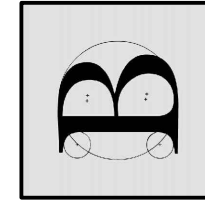
Key Notes:

- 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
- 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
- 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
- EXISTING WIRELESS ACCESS POINT TO BE DISCONNECTED, REMOVED & STORED; TEMPORARILY SUPPORT DATA CABLING UNTIL REINSTALLATION IN NEW CEILING
- 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
- 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
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF WALL MOUNTED SPEAKER & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF RECEPTACLE & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF WALL MOUNTED POWER STRIP / WIREMOLD & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- SMART BOARD TO BE REMOVED BY OWNER, CONTRACTOR TO DISCONNECT, REMOVE & PROPERLY DISPOSE OF EXISTING WIRING
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF DATA OUTLET & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE
- DISCONNECT, REMOVE & PROPERLY DISPOSE OF LIGHT SWITCHES & ASSOCIATED WIRING & CONDUIT; REMOVE ALL CONDUITS AND WIRING BACK TO SOURCE

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

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Project Title



#	DATE	DESCRIPTION

Drawn By: BJK  
Checked By: BJK  
Proj. #: 44-13-01-06-0-202-013  
CSArch Proj. #: 187-2302.01  
Issued for Bid: 10/18/24

Sheet Title

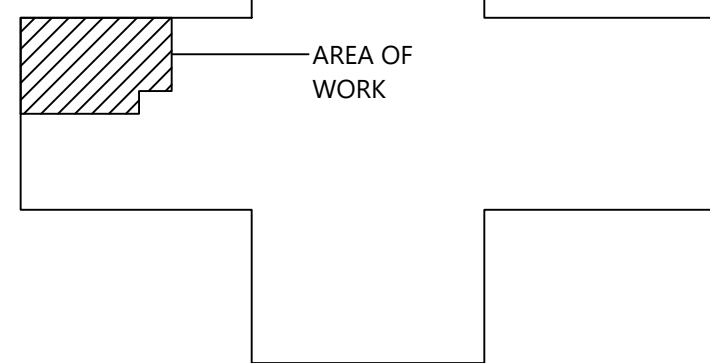
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CONSTRUCTION DOCUMENTS

KEY PLAN



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