

CENTRAL HIGH SCHOOL - BID PACKAGE 2: DISTRICT WIDE ACCESS CONTROL

PORTAGE PUBLIC SCHOOLS Portage, Michigan CONSTRUCTION DOCUMENTS

DESIGN TEAM

ARCHITECT/ENGINEER

TowerPinkster
Architecture · Engineering · Interiors

242 E. KALAMAZOO AVE, SUITE 100
KALAMAZOO, MICHIGAN 49007
PHONE: 269.343.6133
FAX: 269.343.6633

REFERENCED CODES

BUILDING: 2015 MICHIGAN BUILDING CODE AND 2012 NFPA 101 LIFE SAFETY CODE
ENERGY: 2015 MICHIGAN ENERGY CODE
PLUMBING: 2018 MICHIGAN PLUMBING CODE
MECHANICAL: 2015 MICHIGAN MECHANICAL CODE
FUEL GAS: (IFGC) 2015 INTERNATIONAL FUEL GAS CODE
ELECTRICAL: 2017 NATIONAL ELECTRICAL CODE WITH MICHIGAN AMENDMENTS
BARRIER-FREE: 2015 MICHIGAN BUILDING CODE AND 2009 ICC & C A117.1
USE GROUP: E
CONSTRUCTION TYPE: II-B
AUTOMATIC SPRINKLERS: YES

PROJECT AREA

TOTAL FINISHED PROJECT: 1,398 SQ. FT.

DRAWING INDEX

GENERAL
G 001 COVER SHEET

ARCHITECTURAL GENERAL
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AD 101 FIRST FLOOR DEMOLITION PLAN & REFLECTED CEILING DEMOLITION PLAN

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A 101 FIRST FLOOR PLAN & REFLECTED CEILING PLAN

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MECHANICAL
M 101 FIRST FLOOR SHEET METAL PLAN

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ELECTRICAL
E 101 FIRST FLOOR PLAN

SITE ADDRESS

PORTAGE CENTRAL HIGH SCHOOL
8135 SOUTH WESTNEDGE AVENUE
PORTAGE, MICHIGAN 49002

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ISSUED FOR DATE

PROJECT TITLE
CENTRAL HIGH SCHOOL - BID PACKAGE 2:
DISTRICT WIDE ACCESS CONTROL

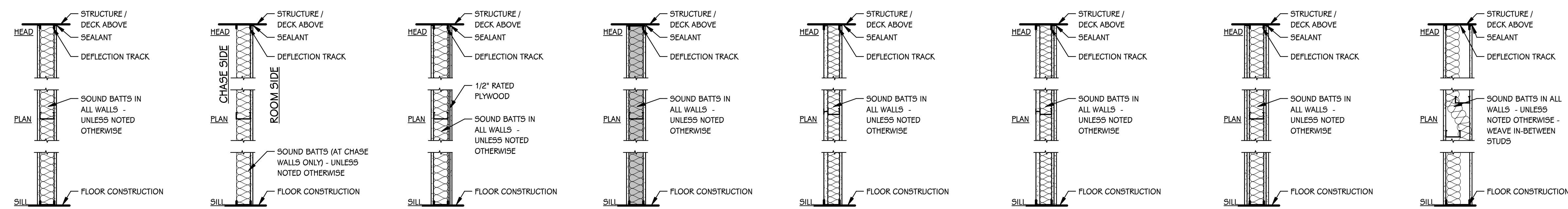
OWNER
PORTAGE PUBLIC SCHOOLS

Portage, Michigan

DATE
FEBRUARY 16, 2024

SHEET TITLE
COVER SHEET

SHEET NUMBER
G 001
23-214.10



17 METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD BOTH SIDES; (1 HOUR FIRE) U.L. ASSEMBLY U465 WHERE NOTED ON PLANS
METAL STUD WALL

20 METAL STUDS @ 16" O.C. WITH 5/8" GYPSUM BOARD ON ROOM SIDE - BRACE WALL @ 4'-0" O.C. MAXIMUM.
METAL STUD CHASE WALL OR FURRING

21 METAL STUDS @ 16" O.C. WITH 1/2" RATED PLYWOOD ONE SIDE AND 5/8" GYPSUM BOARD ON BOTH SIDES.
METAL STUD WALL WITH PLYWOOD BACKING

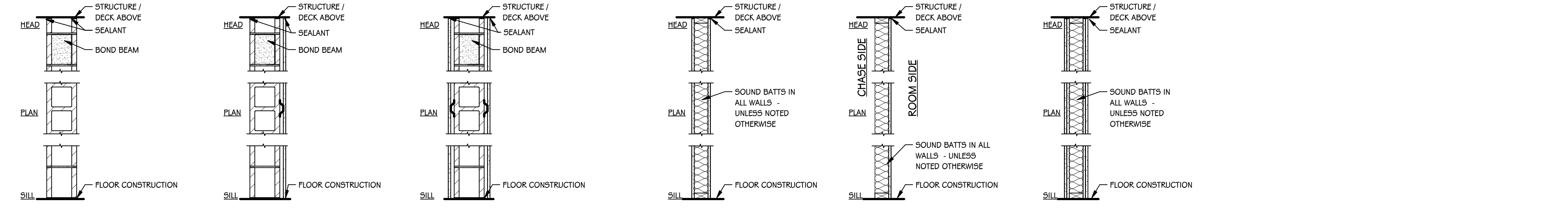
24 METAL STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYPSUM BOARD BOTH SIDES TO DECK.
STRUCTURAL METAL STUD WALL

25 METAL CH STUDS @ 16" O.C. WITH 5/8" TYPE "X" GYPSUM BOARD ON ROOM SIDE AND 1" TYPE "X" GYPSUM BOARD PANEL ON CHASE SIDE.
METAL STUD CHASE WALL (1 HOUR FIRE) U.L. ASSEMBLY U415

26 METAL CH STUDS @ 16" O.C. WITH (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD ON ROOM SIDE AND 1" TYPE "X" GYPSUM BOARD PANEL ON CHASE SIDE.
METAL STUD CHASE WALL (2 HOUR FIRE) U.L. ASSEMBLY U438

27 METAL STUDS @ 16" O.C. WITH (2) LAYERS 5/8" TYPE "X" GYPSUM BOARD BOTH SIDES.
METAL STUD WALL (2 HOUR FIRE) U.L. ASSEMBLY U425

28 6" TOP AND BOTTOM TRACK WITH 3 5/8" METAL STUD FRAMING @ 16" O.C. (OFFSET) WITH 5/8" GYPSUM BOARD BOTH SIDES.
METAL STUD SOUND WALL



29 4" CONCRETE MASONRY UNITS
CMU WALL (1 AND 2 HOUR FIRE) U.L. ASSEMBLY - U905

30 4" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD
CMU WALL WITH FURRING

30C 4" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES
CMU WALL WITH FURRING BOTH SIDES

31 6" CONCRETE MASONRY UNITS
WOOD STUD WALL

32 6" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES
WOOD STUD CHASE WALL

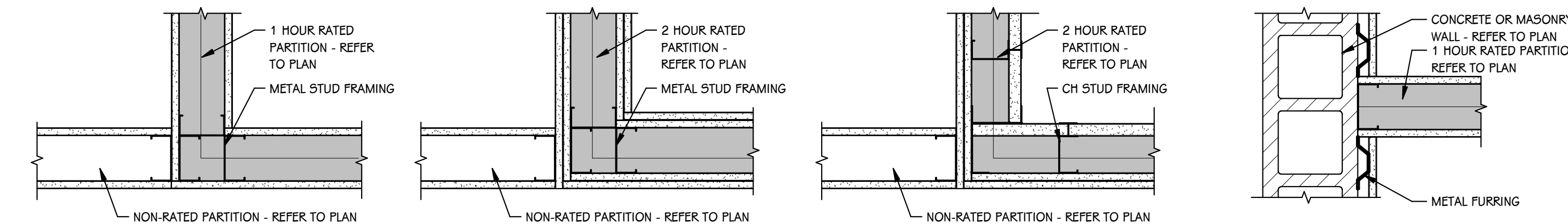
33 8" CONCRETE MASONRY UNITS
WOOD STUD WALL (2 HOUR FIRE) U.L. ASSEMBLY U301

34 8" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD
WOOD STUD WALL (2 HOUR FIRE) U.L. ASSEMBLY U301

35 10" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES
WOOD STUD WALL (2 HOUR FIRE) U.L. ASSEMBLY U301

36 12" CONCRETE MASONRY UNITS WITH METAL FURRING AND 5/8" GYPSUM BOARD - BOTH SIDES
WOOD STUD WALL (2 HOUR FIRE) U.L. ASSEMBLY U301

INTERIOR PARTITION TYPES
3/4" = 1'-0"

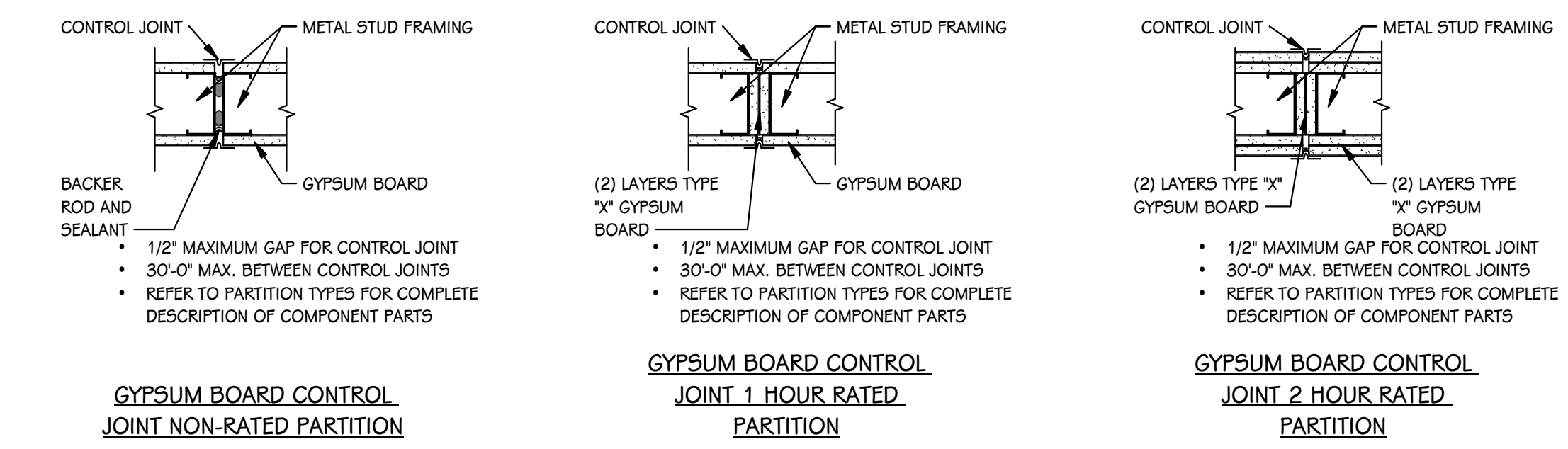


INTERSECTION OF NON-RATED AT 1 HOUR RATED PARTITION

INTERSECTION OF NON-RATED AT 2 HOUR RATED PARTITION - U.L. ASSEMBLY U425

INTERSECTION OF NON-RATED AT 2 HOUR RATED PARTITION - U.L. ASSEMBLY U438

INTERSECTION OF CONCRETE/MASONRY AT 1 HOUR RATED PARTITION

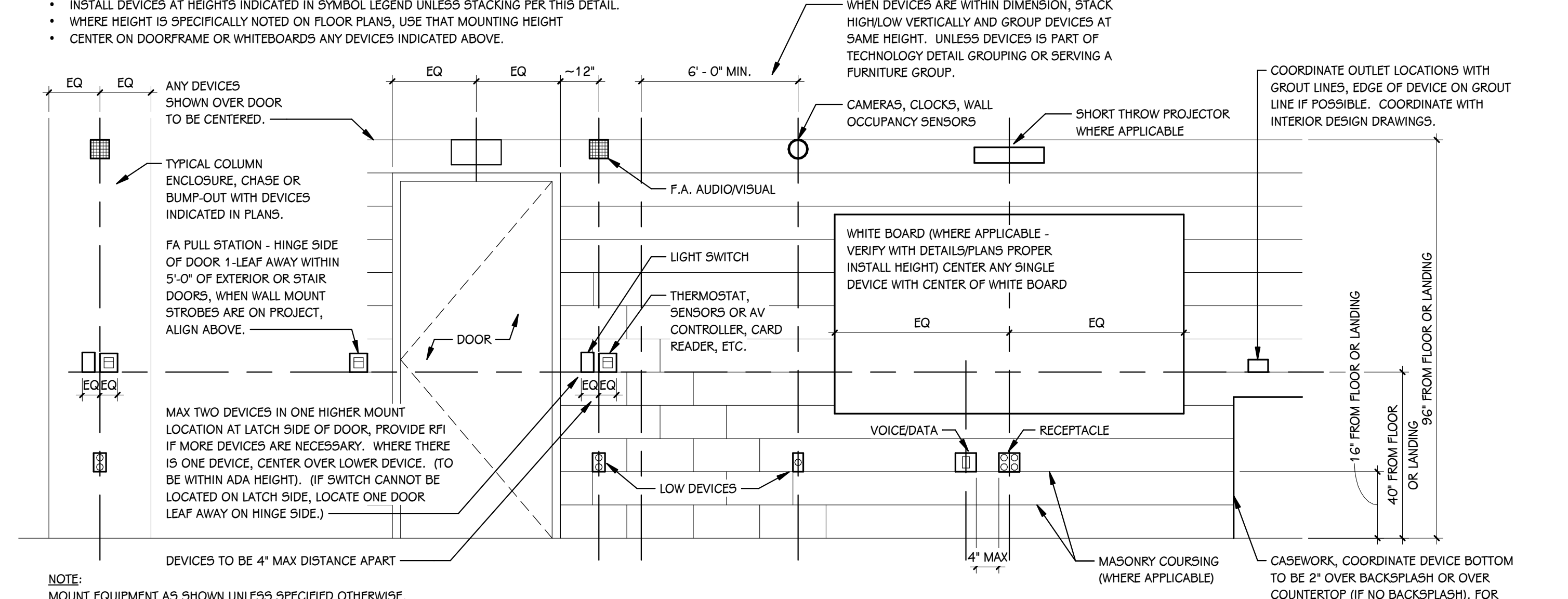


GYPSUM BOARD CONTROL JOINT NON-RATED PARTITION

GYPSUM BOARD CONTROL JOINT 1 HOUR RATED PARTITION

GYPSUM BOARD CONTROL JOINT 2 HOUR RATED PARTITION

FIRE RATED WALL PLAN DETAILS
SCALE: NONE



ALIGNMENT NOTES

- ALIGN AND LOCATE CLOSE TOGETHER ANY DEVICES INSTALLED WITHIN 6" HORIZONTALLY.
- CENTER ALL DEVICES WHERE INDICATED ON COLUMN WRAP OR BUMP OUT; STACK AND ALIGN VERTICALLY.
- INSTALL DEVICES AT HEIGHTS INDICATED IN SYMBOL LEGEND UNLESS STACKING PER THIS DETAIL.
- WHERE HEIGHT IS SPECIFICALLY NOTED ON FLOOR PLANS, USE THAT MOUNTING HEIGHT
- CENTER ON DOORFRAME OR WHITEBOARDS ANY DEVICES INDICATED ABOVE.

NOTE: MOUNT EQUIPMENT AS SHOWN UNLESS SPECIFIED OTHERWISE.

DEVICES TO BE 4" MAX DISTANCE APART

12" = 1'-0"

DEVICE ALIGNMENT GUIDELINES
12" = 1'-0"

GENERAL NOTES - ARCHITECTURAL - PARTITIONS

- NOT ALL WALL TYPES MAY BE USED ON PROJECT.
- REFER TO CODE COMPLIANCE PLANS FOR LOCATIONS OF SMOKE AND FIRE-RATED PARTITIONS.
- ALL PARTITIONS EXTEND TO BOTTOM OF STRUCTURE, UNLESS NOTED OTHERWISE.
- LINE OF STRUCTURE/DECK AS SHOWN AT THE HEAD CONDITION OF EACH PARTITION TYPE IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS. TERMINATE RATED PARTITIONS AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN RATING. PROVIDE APPROPRIATE FRAMING AND GYPSUM BOARD TO OFFSET AROUND STRUCTURE OR OTHER OBSTRUCTIONS, SUCH AS PILING OR DUCTWORK.
- PARTITIONS MAY TERMINATE AT STRUCTURAL MEMBERS WITH A RATING GREATER THAN OR EQUAL THE PARTITION, PROVIDED THAT RATING IS CONTINUOUS TO STRUCTURAL DECK ABOVE.
- NON-RATED PARTITIONS THAT EXTEND TO STRUCTURE SHALL TERMINATE AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN A CONTINUOUS PLANE OF GYPSUM BOARD AS A NOISE, SMOKE OR OTHER TYPE OF BARRIER.
- ALL PARTITIONS EXTENDING TO STRUCTURE ABOVE SHALL TERMINATE WITH DEFLECTION TRACK - REFER TO INTERIOR PARTITION TYPE DETAIL ON THIS SHEET.
- ALL GYPSUM BOARD PARTITIONS NOT EXTENDING TO THE STRUCTURE MUST BE BRACED.
- UL DESIGN NUMBERS REFER TO THE FIRE RESISTANCE DIRECTORY; UNDERWRITERS LABORATORY, LATEST EDITION.
- MISCELLANEOUS NON-RATED CHASES TO BE 5/8" GYPSUM BOARD ON 3 5/8" METAL STUD FRAMING AT 16" O.C., UNLESS NOTED OTHERWISE.
- MISCELLANEOUS FURRING AROUND COLUMNS TO BE 5/8" GYPSUM BOARD ON 1 1/2" STUDS, UNLESS NOTED OTHERWISE.
- FIRE-RATED PARTITIONS TO HAVE FIRE-STOPPING SEALANTS AT HEAD, SILL, JUNCTURE WITH DISSIMILAR MATERIALS, ETC. AND AROUND ALL PENETRATIONS AND OPENINGS.
- CONSTRUCT ALL PARTITIONS WITH SOUND ATTENUATION BATTS WITH THE FOLLOWING SOUND BATT THICKNESS: 2 1/2" OR LESS METAL STUD - 1 1/2" THICKNESS, 3 5/8" OR LARGER METAL STUD - 3" THICKNESS, UNLESS NOTED OTHERWISE.

GENERAL NOTES - ARCHITECTURAL - DEMOLITION

- CONTRACTORS ARE REQUIRED TO INSPECT/REVIEW THE EXISTING BUILDING PRIOR TO RELATED DEMOLITION WORK. UNLESS NOTED OTHERWISE, REMOVAL OF ANY WALL, FLOOR OR CEILING INCLUDES ALL GENERAL MECHANICAL AND ELECTRICAL ITEMS WHICH ARE A PART OF, OR ATTACHED TO IT.
- CONTRACTOR SHALL VERIFY ALL EXISTING JOB SITE CONDITIONS AND DIMENSIONS AND BE RESPONSIBLE FOR THE SAME. ADVISE CONSTRUCTION MANAGER OF ANY AND ALL DISCREPANCIES.
- PATCH FLOORS, WALLS AND CEILINGS DAMAGED DURING CONSTRUCTION AND DEMOLITION AS REQUIRED. FINISH TO MATCH EXISTING.
- ACCOMMODATE NEW CONSTRUCTION IF NOT INDICATED.
- PROTECT ALL EXISTING FINISHES THROUGHOUT PROJECT.
- REFER TO DEMOLITION ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.
- REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL PLANS FOR ADDITIONAL DEMOLITION NOTES.
- SALVAGE ALL UNISTRUT AND PROTECT FOR RE-USE IN NEW CONSTRUCTION, IF REQUIRED.
- AT LOCATIONS OF REMOVED WALLS, ALL ASSOCIATED ITEMS ATTACHED TO THE WALL ARE TO BE REMOVED. SUCH AS: DOORS, WINDOWS, FRAMES, MARKERBOARDS, TACKBOARDS, TACK STRIPS, ETC.

GENERAL NOTES - ARCHITECTURAL - NEW CONSTRUCTION

- THE OWNER RESERVES THE RIGHT TO REMOVE ANY ITEM FROM THE PROJECT PRIOR TO COMMENCEMENT OF CONTRACTED DEMOLITION WORK.
- ALL EXISTING CONDITIONS SHOULD BE FIELD VERIFIED BEFORE WORK BEGINS.
- DIMENSIONS GIVEN ARE ACTUAL AND ARE TO THE FACE OF MASONRY UNITS OR TO THE FACE OF STUD FRAMING, UNLESS NOTED OTHERWISE.
- DETAILS SHOWN ILLUSTRATE DESIGN INTENT, NOT ALL POSSIBLE CONDITIONS. FOR CONDITIONS NOT SHOWN, USE DETAILS CLOSEST TO CONDITION IN QUESTION.
- EXTEND ALL INTERIOR WALL PARTITIONS FROM FLOOR TO STRUCTURE/DECK ABOVE UNLESS NOTED OR DETAILED OTHERWISE.
- WITHIN BUILDING INTERIOR PROVIDE BULLNOSE BLOCK IN CMU WALL ASSEMBLIES AT ALL EXPOSED OUTSIDE CORNERS, INCLUDING WINDOW AND DOOR JAMBS, UNLESS NOTES OR DETAILED OTHERWISE. PROVIDE SQUARE CORNERS AT ALL LOCATIONS FINISHED WITH WALL TILE. REFER TO FINISH PLANS (100 SHEETS) FOR LOCATIONS.
- TOOTH-IN MASONRY AT NEW OPENINGS IN EXISTING WALLS.
- TOOTH-IN NEW MASONRY INFILL INTO EXISTING OPENINGS AT ALL BULLNOSE BLOCK LOCATIONS.
- STUD WALLS SPANNING OVER 12'-0" IN HEIGHT SHALL BE A MINIMUM OF 20 GAUGE.
- STUD WALL SUPPORTING WALL CABINETS SHALL BE A MINIMUM OF 20 GAUGE.
- DOORS ARE TO BE 4" FROM CORNER OF ROOM, UNLESS NOTED OR DIMENSIONED OTHERWISE.
- FIRESTOP ALL INTERCONNECTIONS BETWEEN VERTICAL AND HORIZONTAL SPACES AND CONCEALED WALL SPACES AT CEILING, FLOOR AND ROOF LEVELS.
- FIRESEAL ALL PENETRATIONS, SUCH AS, PIPES, DUCTS, CONDUITS, ETC. THROUGH FIRE AND/OR SMOKE RATED ASSEMBLIES.
- FOR CONTROL JOINT (C.J.) LOCATIONS REFER TO EXTERIOR ELEVATIONS AND/OR FLOOR PLANS.
- PAINT ALL ELECTRICAL PANEL COVERS AND ACCESS PANELS TO MATCH ADJACENT FINISHES. USING OIL-BASED PAINT, NOT LATEX WALL PAINT.
- PROVIDE WOOD BLOCKING IN WALLS THAT REQUIRE WALL MOUNTED EQUIPMENT OR ACCESSORIES. COORDINATE WITH EQUIPMENT OR ACCESSORY MANUFACTURER.
- REMOVE ALL ASSOCIATED CURBS FOR ROOF TOP EQUIPMENT AND MECHANICAL ROOF TOP UNITS. LARGE VOIDS BELOW THE AIR HANDLING UNITS SHALL BE FILLED WITH INSULATION AS SPECIFIED FOR NOISE CONTROL.
- ALL EXISTING ROOF TOP PENETRATIONS BEING REMOVED REQUIRE ROOF PATCHING TO MATCH EXISTING ADJACENT.

PARTITION STUD KEY - METAL, CH, AND WOOD

DESIGNATION	SIZE
A	GYPSUM BOARD DIRECT APPLIED TO CMU
B	7/8"
C	1 1/2"
D	1 5/8"
E	2 1/2"
F	3 1/2"
G	3 5/8"
H	4"
J	5 1/2"
K	6"
L	8"
M	10"
N	12"
P	OPEN
Q	OPEN

DESIGNATION	SIZE
R	2 1/2"
S	4"
T	6"

DESIGNATION	SIZE
U	2"x4"
V	2"x6"
W	2"x8"

PARTITION TYPE TAG (REFER TO FLOOR PLANS)

PARTITION TYPE NUMBER

STUD SIZE DESIGNATION

FIRE RATING, IF REQUIRED

LIST OF ABBREVIATIONS

ACP	ACOUSTICAL PANEL CEILING
AFF	ABOVE FINISH FLOOR
ALUM	ALUMINUM
ANOD	ANODIZED
CMF	COLD FORMED METAL FRAMING
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
DCMU	DECORATIVE CONCRETE MASONRY UNIT
EIPS	EXTERIOR INSULATION AND FINISH SYSTEM
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FRT	FIRE RESISTANT TREATED
FV	FIELD VERIFY
GYP BD	GYPSUM BOARD
HM	HOLLOW METAL
LVL	LAMINATED VENEER LUMBER
MCM	METAL COMPOSITE MATERIAL WALL PANEL
OC	ON CENTER
PT	PRESERVATIVE TREATED
PNT	PAINT
SS	STAINLESS STEEL
SSM	SOLID SURFACE MATERIAL
TYP	TYPICAL
VIF	VERIFY IN FIELD
WD	WOOD

ISSUED FOR DATE

PROJECT TITLE
CENTRAL HIGH SCHOOL - BID PACKAGE 2: DISTRICT WIDE ACCESS CONTROL

OWNER
PORTAGE PUBLIC SCHOOLS

Portage, Michigan

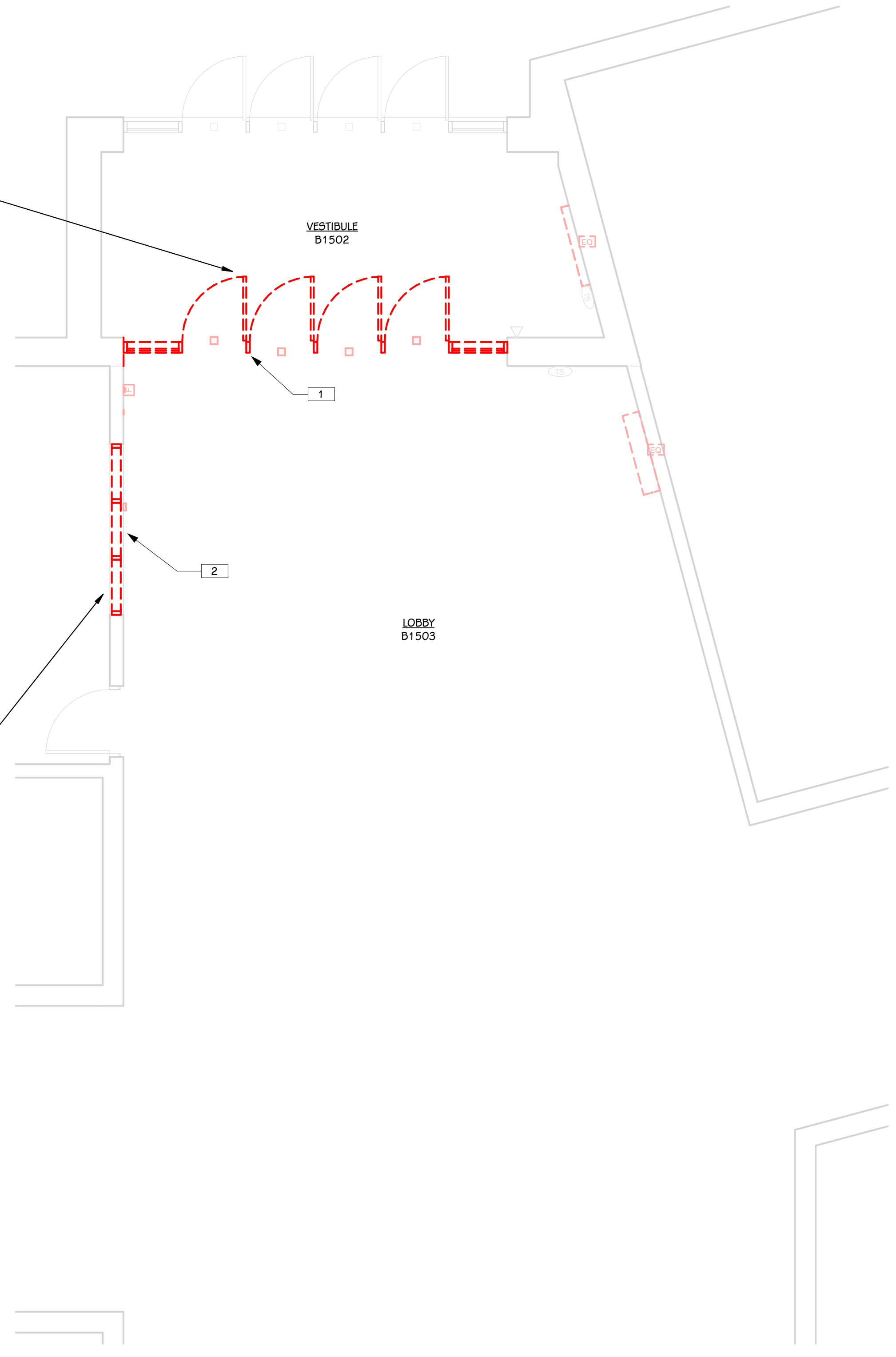
SHEET TITLE
GENERAL ARCHITECTURAL NOTES, INTERIOR PARTITION TYPES, DEVICE ALIGNMENT GUIDELINES, & ABBREVIATIONS

SHEET NUMBER
AG 001

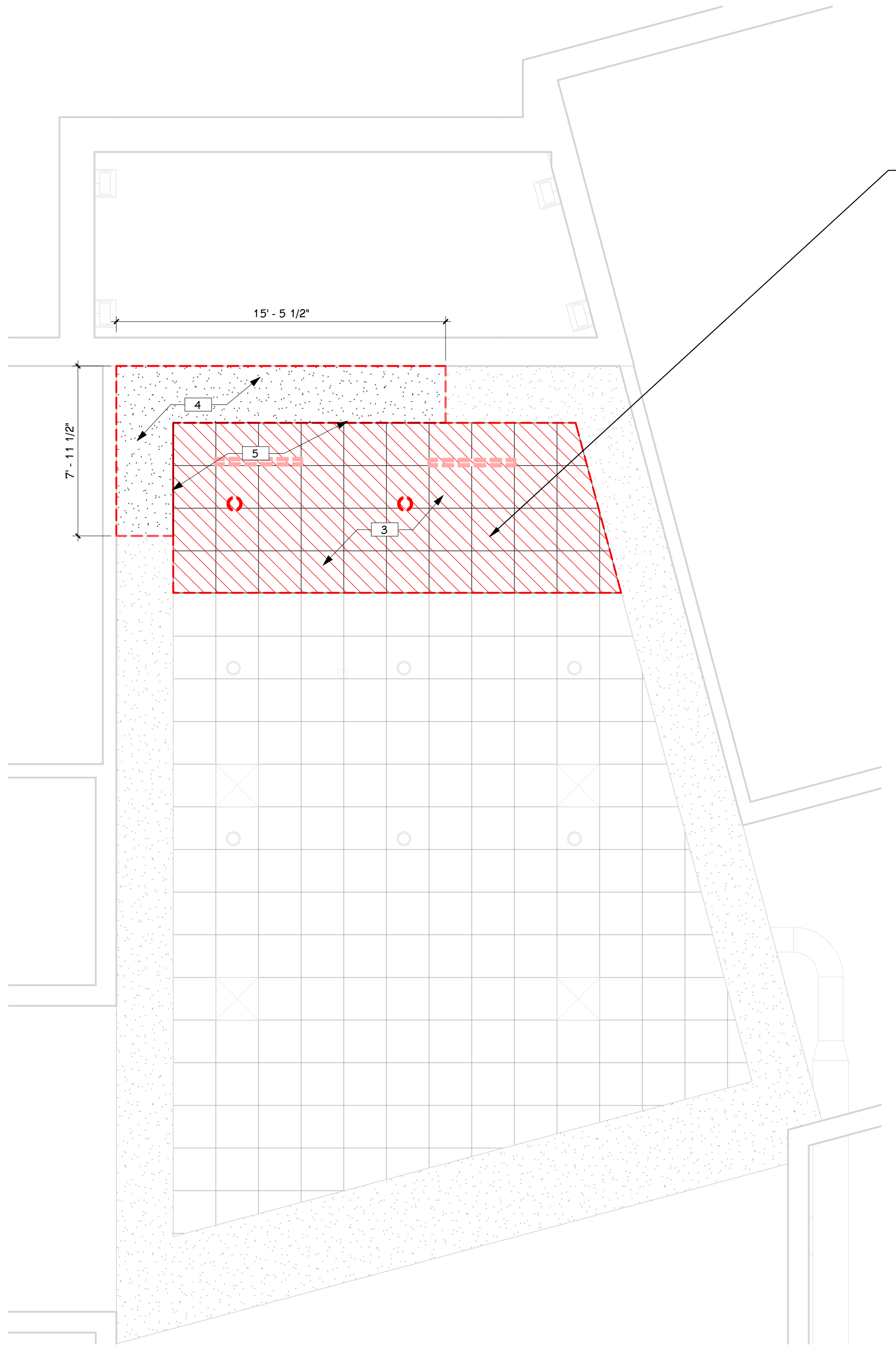
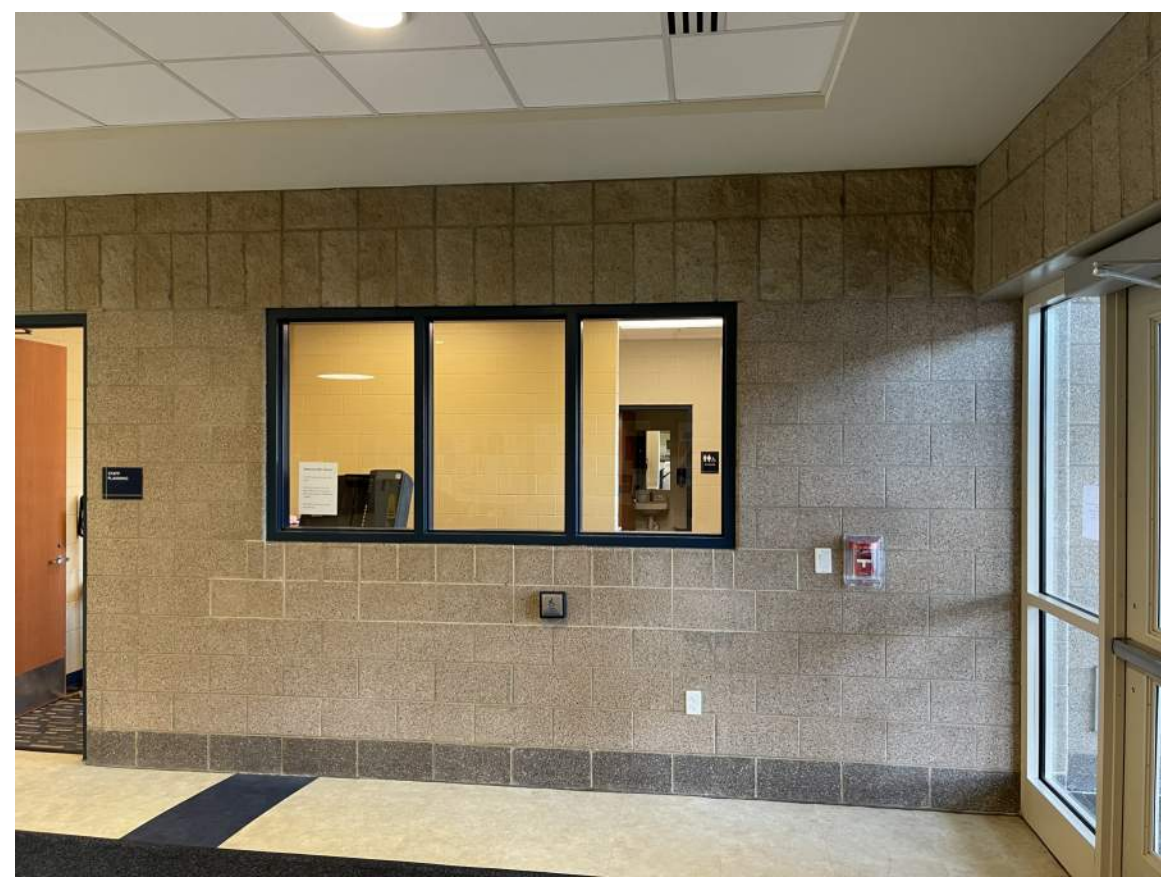
DATE
FEBRUARY 16, 2024

23-214-10

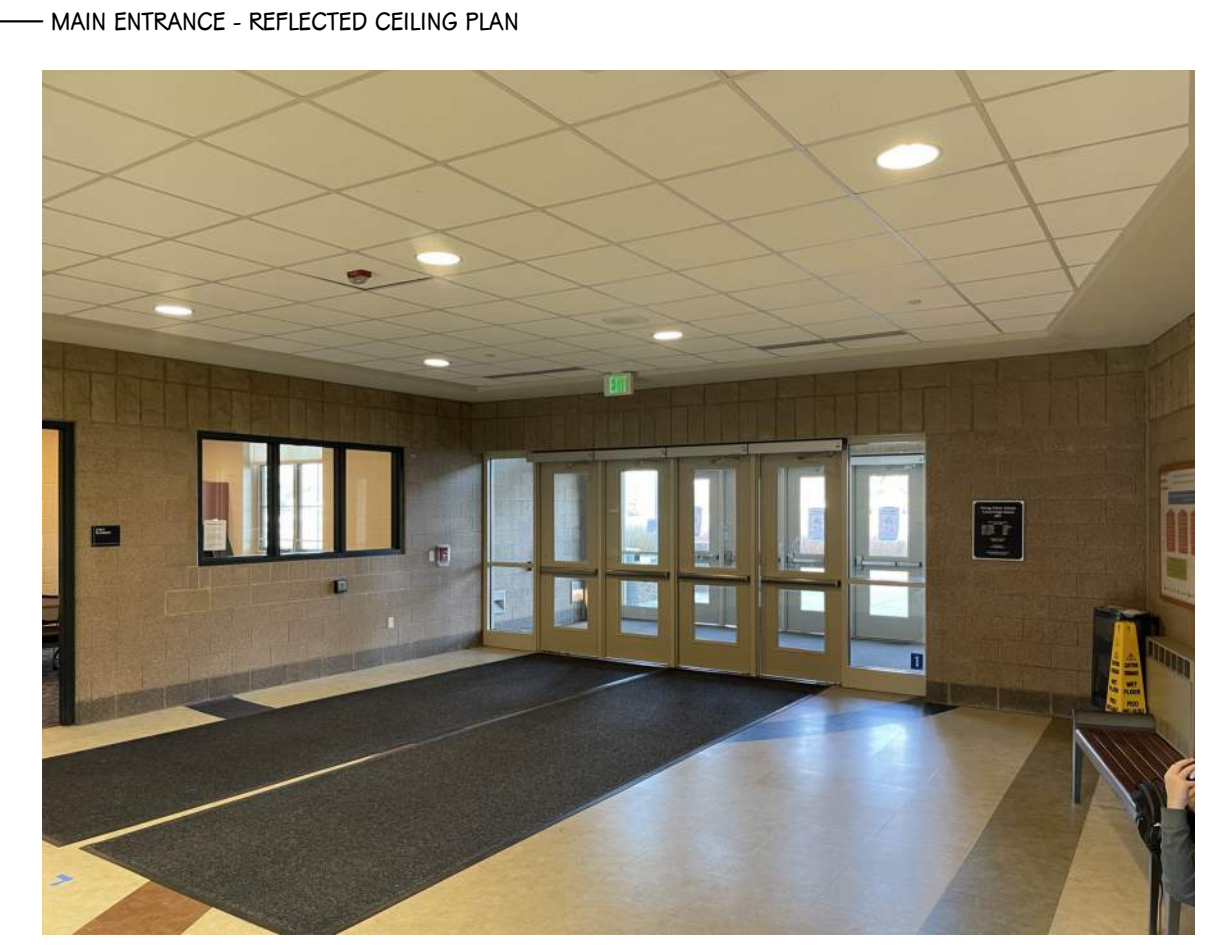
- KEYED NOTES - ARCHITECTURAL - DEMOLITION**
- 1 REMOVE AND DISCARD ALUMINUM ENTRANCE SYSTEM AND HARDWARE. PATCH WALL AS REQUIRED.
 - 2 REMOVE AND DISCARD FRAME AND BORROWED LITE. PREPARE OPENING FOR NEW SYSTEM.
 - 3 REMOVE AND DISCARD CEILING PANELS, GRID, AND SUSPENSION SYSTEM AS REQUIRED FOR NEW CONSTRUCTION. PROTECT EXISTING TO REMAIN.
 - 4 REMOVE AND DISCARD GYPSUM BOARD CEILING SYSTEM AS REQUIRED FOR NEW CONSTRUCTION.
 - 5 REMOVE AND DISCARD GYPSUM BOARD BULKHEAD.



FIRST FLOOR DEMOLITION PLAN - PARTIAL UNIT B
1/4" = 1'-0"



FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN - PARTIAL UNIT B
1/4" = 1'-0"

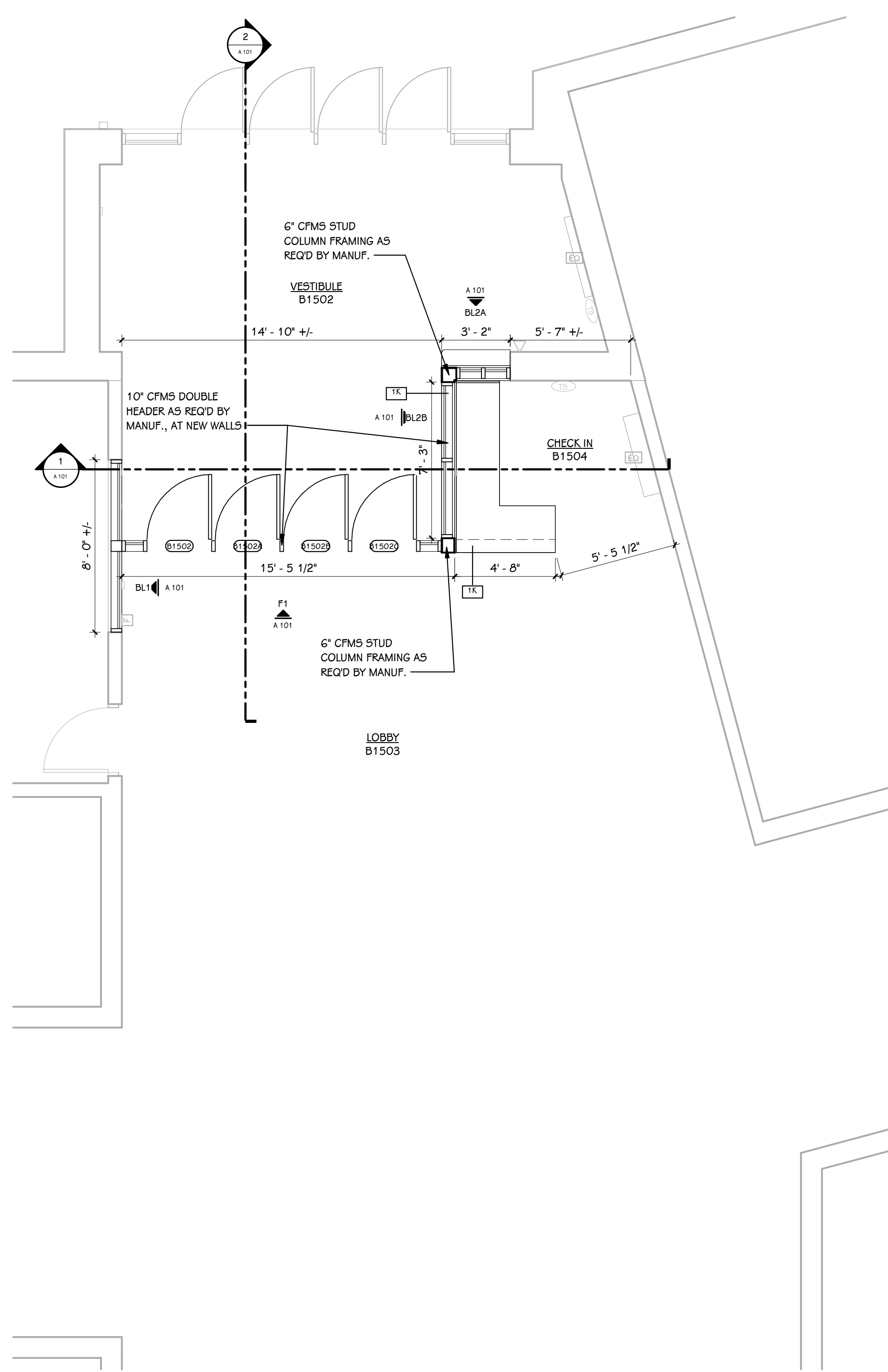


THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

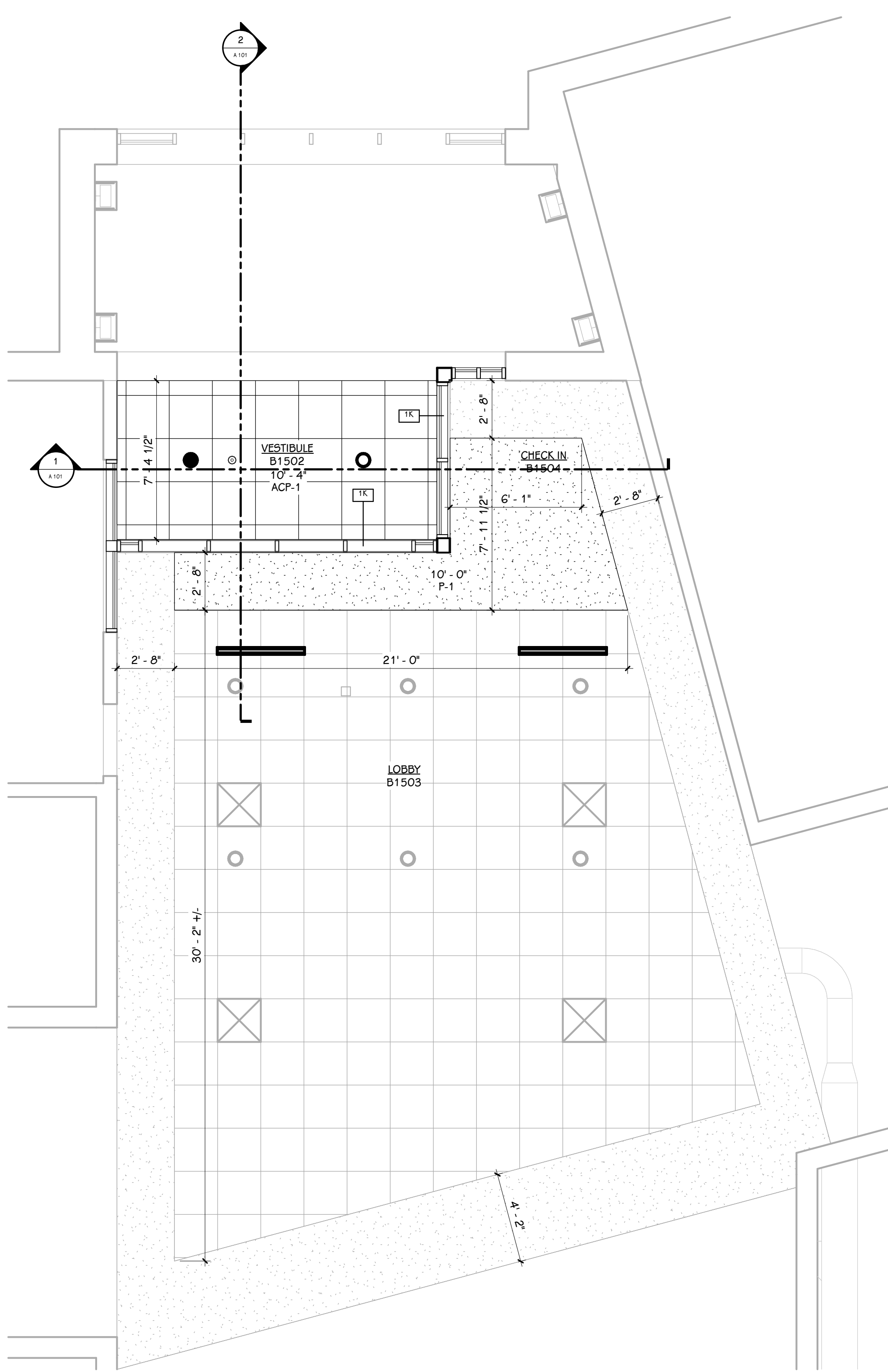
PORTAGE CENTRAL HIGH SCHOOL

AREA OF WORK

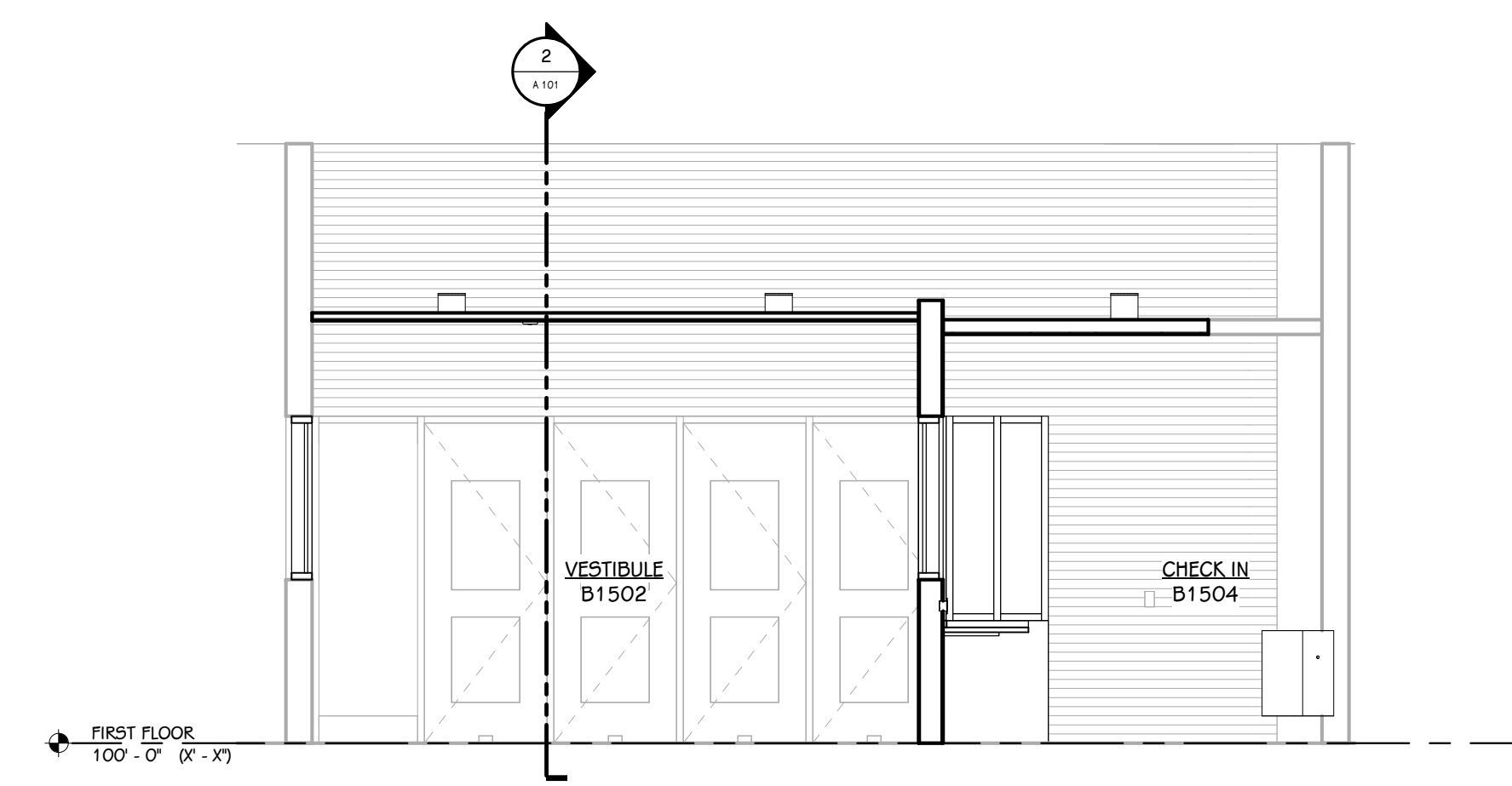
KEY PLAN
SCALE: NO SCALE



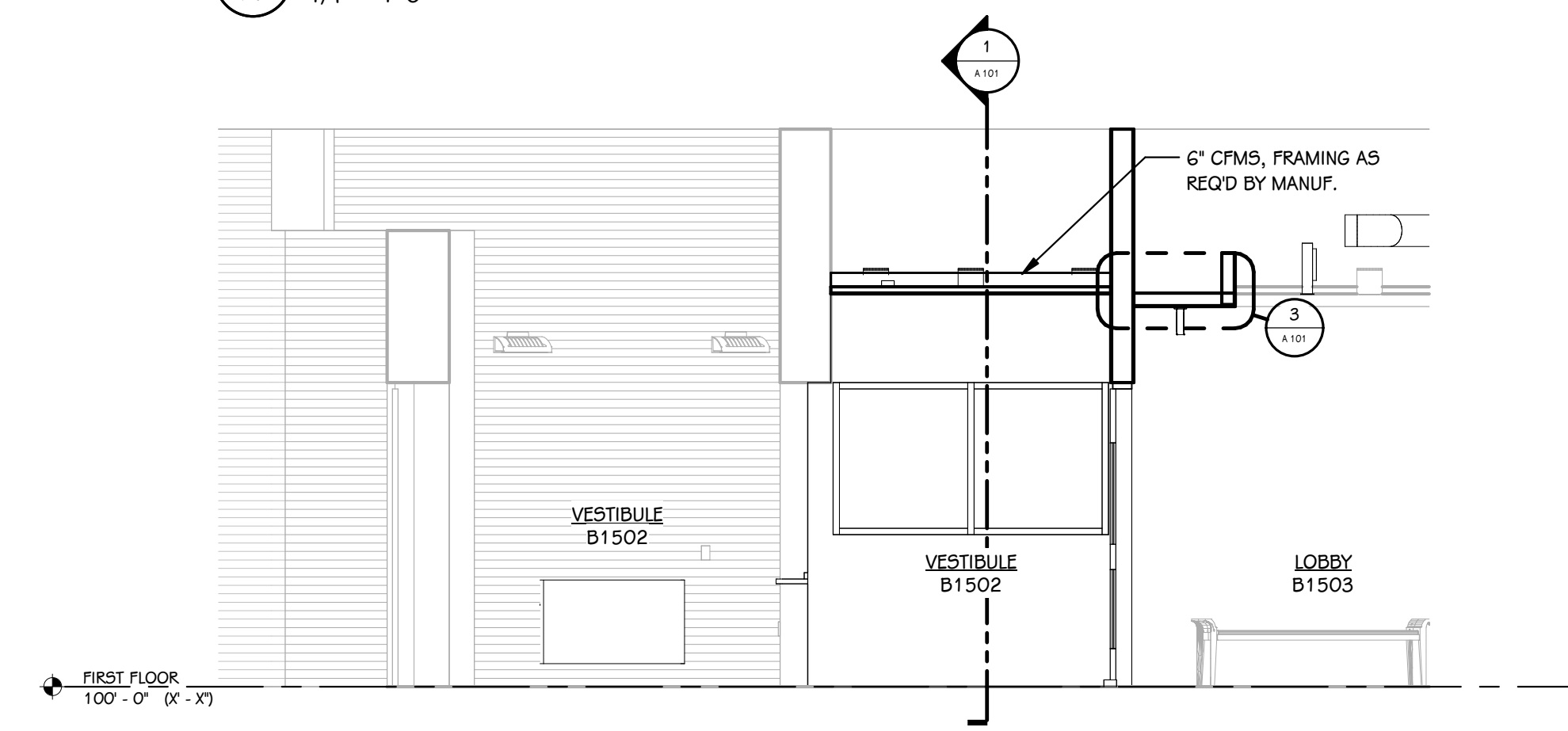
FIRST FLOOR PLAN - PARTIAL UNIT B
1/4" = 1'-0"



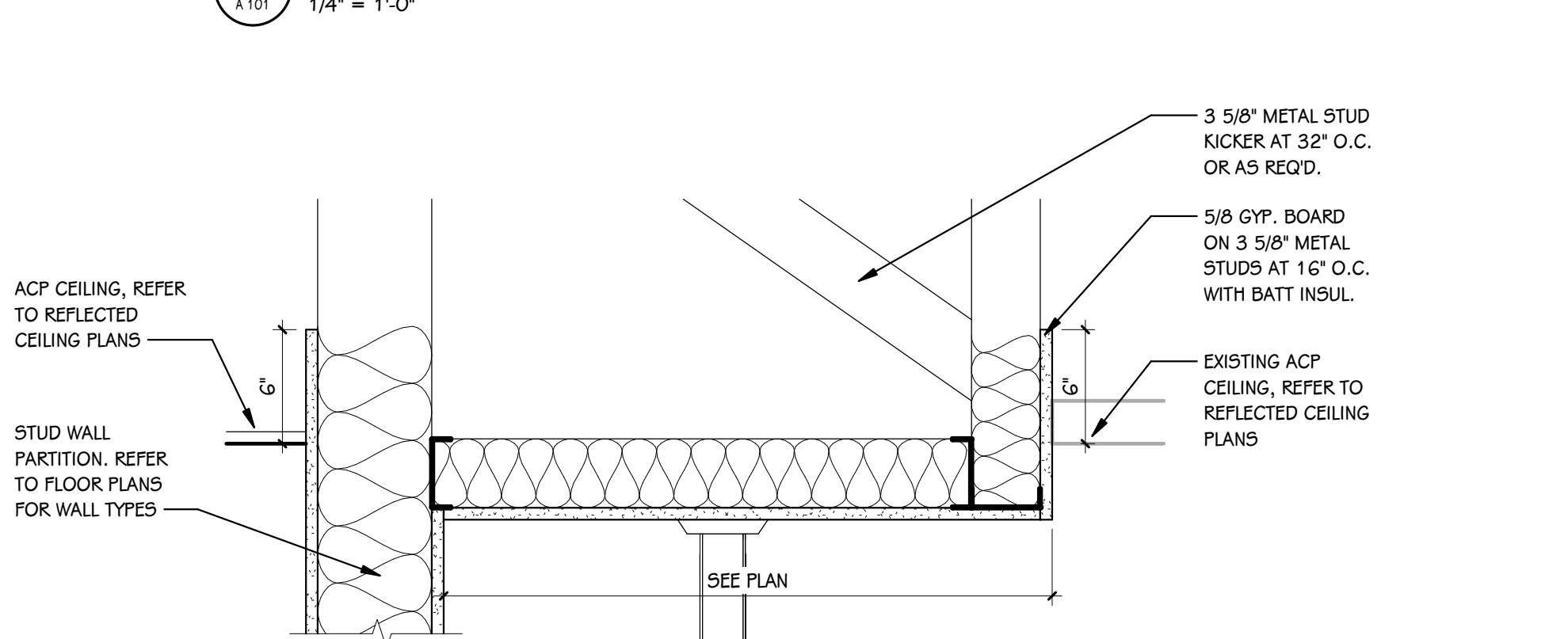
FIRST FLOOR REFLECTED CEILING PLAN - PARTIAL UNIT B
1/4" = 1'-0"



BUILDING SECTION 1
1/4" = 1'-0"



BUILDING SECTION 2
1/4" = 1'-0"



BULKHEAD DETAIL
1 1/2" = 1'-0"

KEY - REFLECTED CEILING

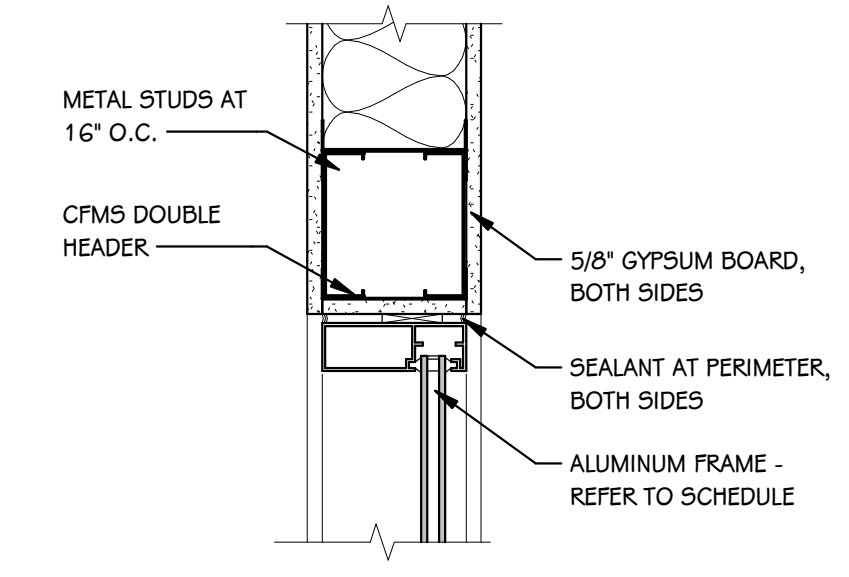
- Gypsum Board
- Lay-in Acoustical Tile Grid
- Lighting - Refer to Electrical Lighting Plan
- Mechanical - Refer to Mechanical Sheet Metal Plan

GENERAL NOTES - REFLECTED CEILING

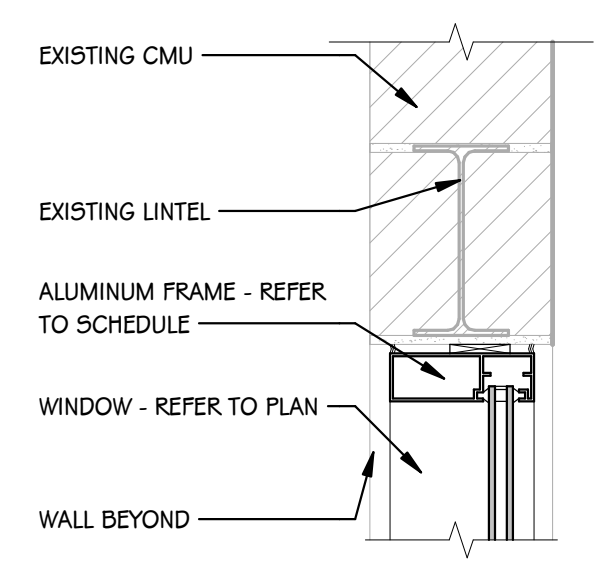
- WHERE CEILING TILE IS LESS THAN 3" AT PERIMETER OF ROOM PROVIDE A CUT 2x4 TILE IN LIEU OF FULL 2x2 TILE OR DOUBLE GRID - MATCH 2x2 FOR STYLE AND COLOR.
- IN AREAS OF EXPOSED CEILING PAINT ALL STRUCTURE, DUCTWORK, PIPING, CONDUIT, RANGERS ETC., COORDINATE WITH MECHANICAL, ELECTRICAL AND PLUMBING SPECIFICATIONS. REFER TO THE REFLECTED CEILING PLANS FOR PAINT COLORS.

FIRST FLOOR DOOR SCHEDULE

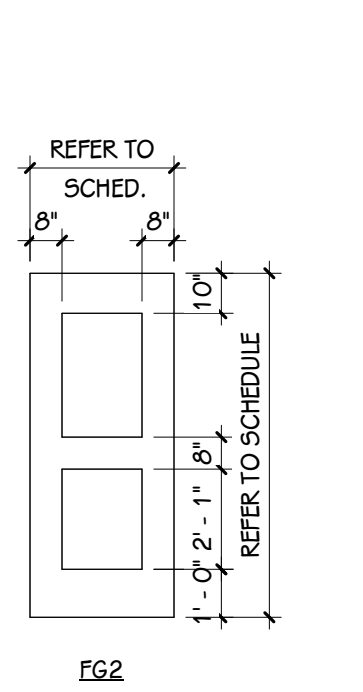
NUMBER	ROOM	ROOM NAME	FIRE RATING		DOOR			SIZE		ELEV	FRAME		DETAILS			GLASS	ACCESS CONTROLS					HDWR. SET	REMARKS
			DOOR	FRAME	TYPE	MAT	FIN	WIDTH	HEIGHT		MAT	FIN	HEAD	JAMB	SILL		A-PHONE	BARRIER-FREE	CARD READER	ELEC. LOCK HDWR.	MAG HOLD		
B1502	B1503	LOBBY	-	-	FG2	FRP	ANOD	3'-0"	7'-10"	1	AL	ANOD	H-1	-	-	SG-1	No	Yes	Yes	Yes	No	-	-
B1502A	B1503	LOBBY	-	-	FG2	FRP	ANOD	3'-0"	7'-10"	1	AL	ANOD	H-1	-	-	SG-1	No	No	No	Yes	No	-	-
B1502B	B1503	LOBBY	-	-	FG2	FRP	ANOD	3'-0"	7'-10"	1	AL	ANOD	H-1	-	-	SG-1	No	No	No	Yes	No	-	-
B1502C	B1503	LOBBY	-	-	FG2	FRP	ANOD	3'-0"	7'-10"	1	AL	ANOD	H-1	-	-	SG-1	No	No	No	Yes	No	-	-



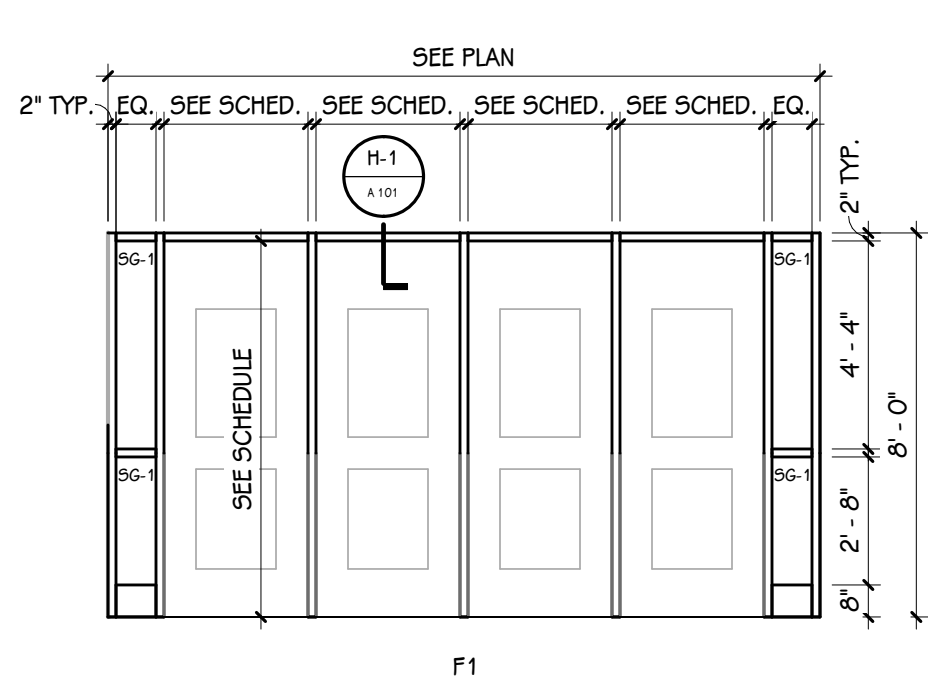
HEAD DETAIL (DOOR)
1 1/2" = 1'-0"



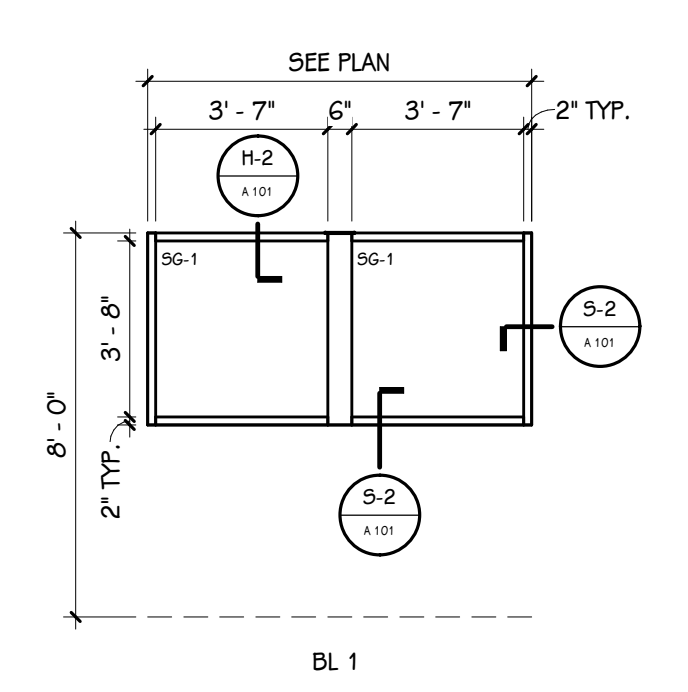
HEAD DETAIL (WINDOW)
1 1/2" = 1'-0"



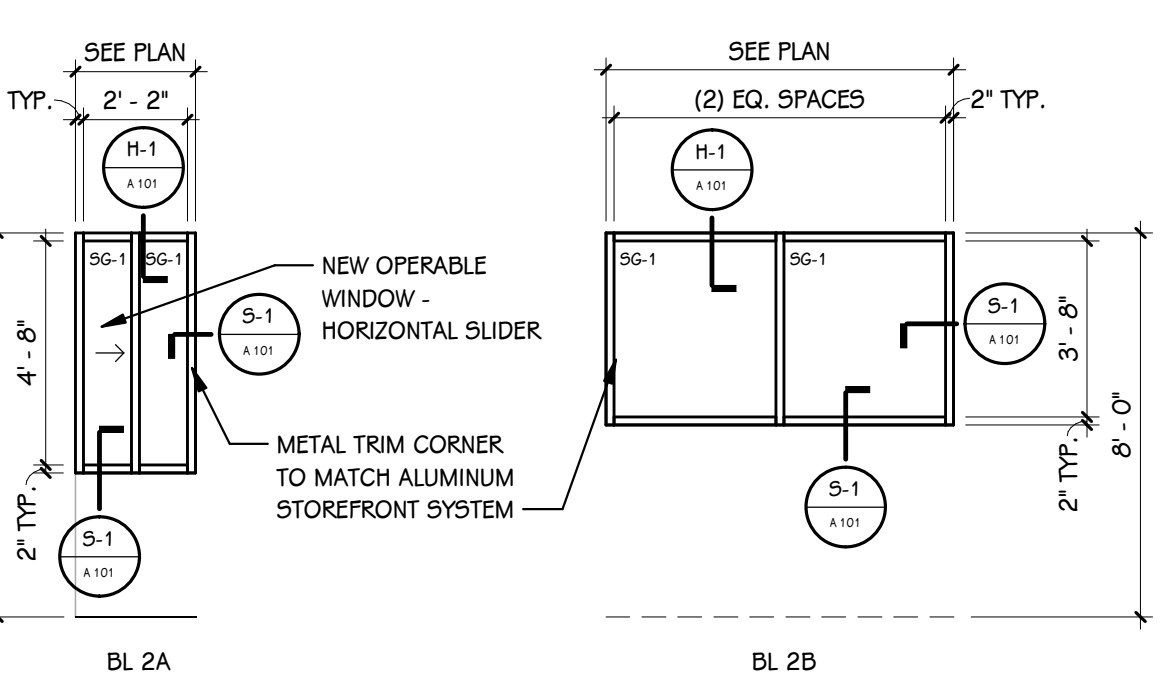
DOOR TYPES
1/4" = 1'-0"



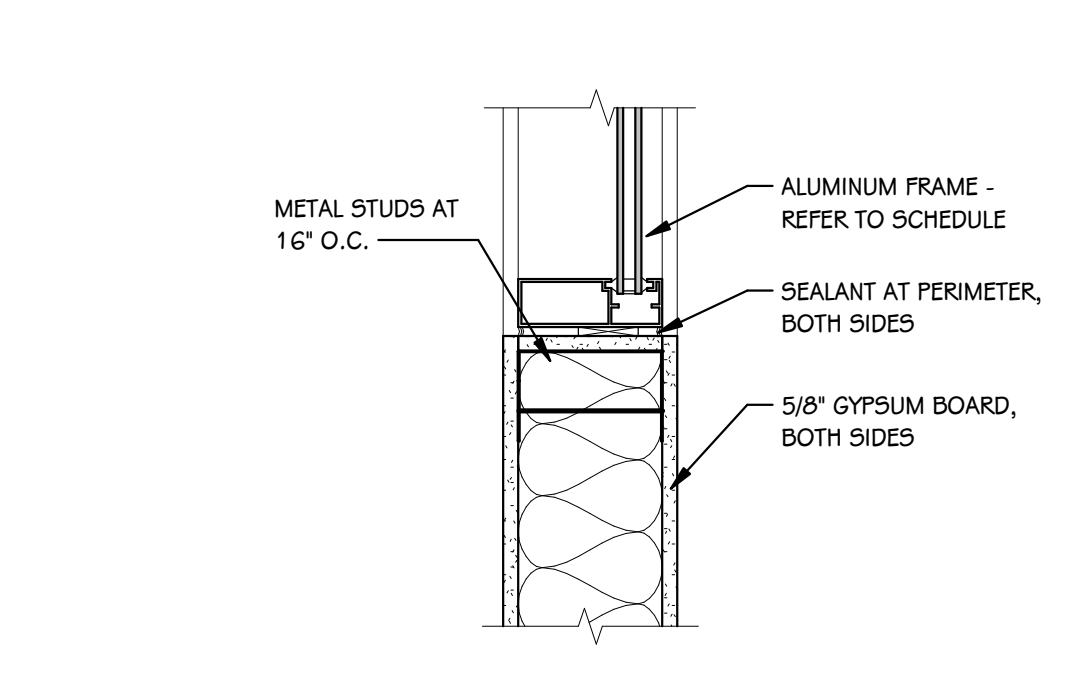
FRAME ELEVATION
1/4" = 1'-0"



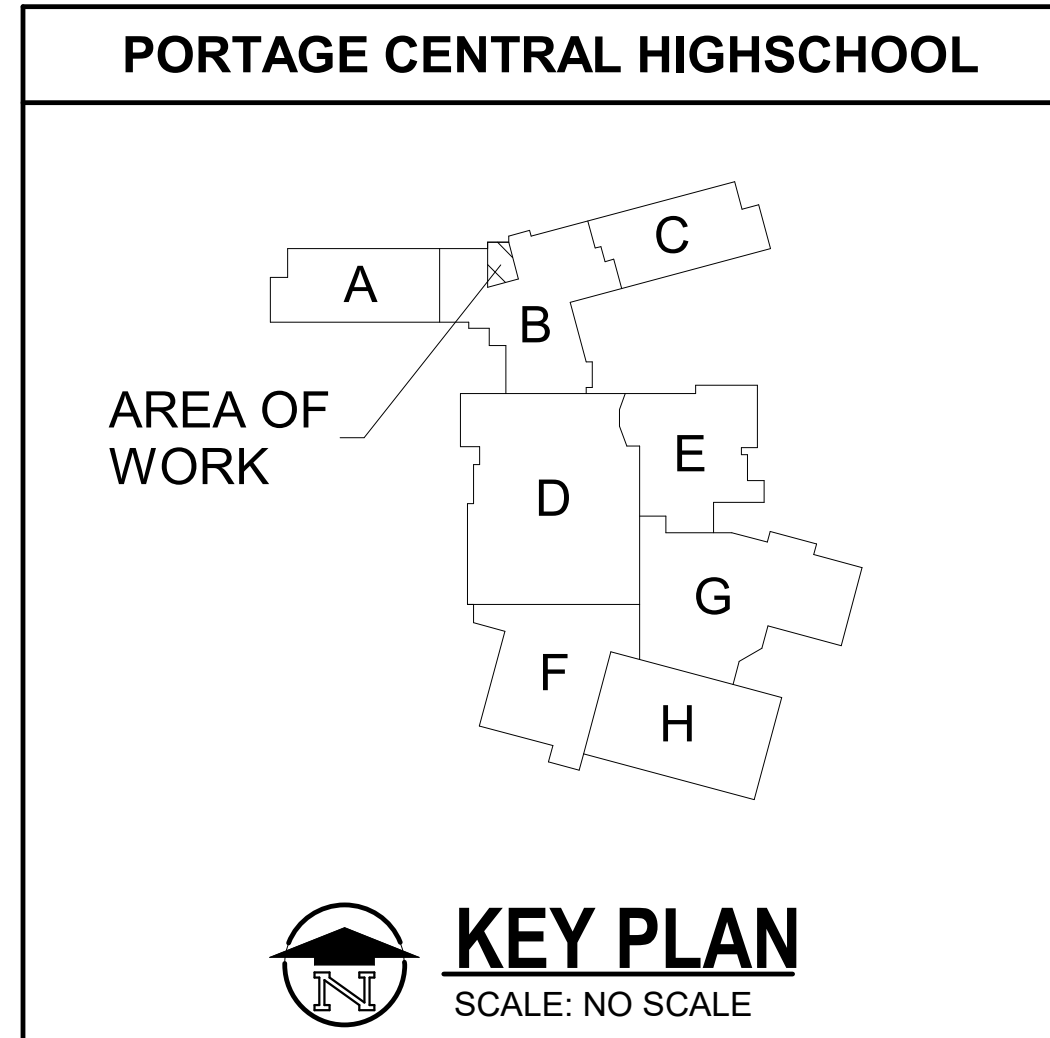
BORROWED LITE ELEVATIONS
1/4" = 1'-0"



JAMB/SILL DETAIL (WINDOW)
1 1/2" = 1'-0"



JAMB/SILL DETAIL (WINDOW)
1 1/2" = 1'-0"



PROJECT TITLE
**CENTRAL HIGH SCHOOL - BID PACKAGE 2:
DISTRICT WIDE ACCESS CONTROL**

OWNER
PORTAGE PUBLIC SCHOOLS

SHEET TITLE
**FIRST FLOOR PLAN & REFLECTED
CEILING PLAN**


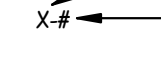
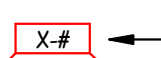


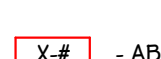
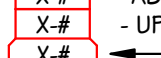
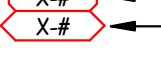

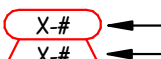
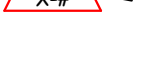

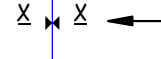
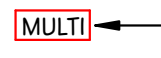
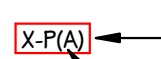

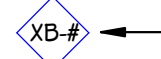
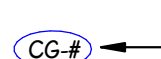
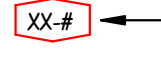

ISSUED FOR _____ DATE _____

Portage, Michigan

DATE
FEBRUARY 16, 2024

SHEET NUMBER
A 101
23-214-10

INTERIOR - TYPICAL SYMBOLS AND REFERENCES

-  INDICATES MATERIAL TYPE
-  INDICATES CORRESPONDING SELECTION IN MATERIAL SELECTION SCHEDULE
-  INDICATES WALL FINISH
-  INDICATES BASE FINISH
-  INDICATES FLOOR FINISH
-  - ABOVE 0' - 0" A.F.F. INDICATES UPPER WALL FINISH
-  - UP TO 0' - 0" A.F.F. INDICATES LOWER WALL FINISH
-  INDICATES BASE FINISH
-  INDICATES FLOOR FINISH
-  INDICATES COUNTERTOP FINISH
-  INDICATES CABINET FINISH (BASE AND UPPER)
-  INDICATES EXTENT OF ATYPICAL FINISH (WALL, BASE, OR FLOOR)
-  INDICATES DISSIMILAR FLOOR MATERIAL FINISHES, REFER TO TYPICAL FLOOR TRANSITION DETAILS
-  INDICATES MULTIPLE MATERIALS, REFER TO ENLARGED PLANS OR ELEVATIONS
-  INDICATES PATTERNED INSTALLATION OF A SINGLE MATERIAL TYPE, REFER TO DETAIL OR ELEVATION
-  INDICATES PATTERN INTENT, REFER TO DETAIL OR ELEVATION
-  INDICATES VISUAL DISPLAY BOARD, REFER TO VISUAL DISPLAY BOARD SCHEDULES
-  INDICATES CORNER GUARD, REFER TO MATERIAL SELECTION SCHEDULE
-  INDICATES WINDOW TREATMENT, REFER TO WINDOW TREATMENT SCHEDULE
-  INDICATES INSTALLATION OF GRAIN

NOTES - INTERIORS

- 1 REFER TO MATERIAL SELECTION SCHEDULE FOR FINISH INFORMATION.
- 2 REFER TO ARCHITECTURAL FLOOR PLANS AND SPECIFICATION FOR ADDITIONAL INFORMATION ON CONSTRUCTION MATERIALS.
- 3 REFER TO ARCHITECTURAL ENLARGED STAIR PLANS FOR RAILINGS, GUARD RAILS, FINISH COLORS OF ANY PAINTED METALS. COORDINATE STAIR DETAILS WITH FLOORING TYPES INDICATED ON FINISH PLANS.
- 4 REFER TO ARCHITECTURAL FLOOR PLANS FOR LOCKER LOCATIONS AND QUANTITIES.
- 5 REFER TO ARCHITECTURAL GENERAL SHEETS FOR BARRIER-FREE MOUNTING HEIGHT REQUIREMENTS AND CODE-REQUIRED SIGNAGE.
- 6 REFER TO ARCHITECTURAL ENLARGED TOILET ROOM PLANS FOR TOILET ACCESSORIES, PARTITIONS, ETC.
- 7 REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH AND HEIGHTS.
- 8 WALL MOUNTED DIFFUSERS, GRILLES, ACCESS PANELS, ELECTRICAL PANELS, ETC. ARE TO BE PAINTED WITH AN OIL-BASED PAINT TO MATCH THE ADJACENT WALL FINISH.
- 9 AT AREAS OF EXPOSED CEILING WHERE DUCTWORK AND DIFFUSERS ARE TO BE PAINTED, COORDINATE WITH MECHANICAL SPECIFICATIONS AND REFER TO THE REFLECTED CEILING PLANS FOR PAINT COLORS.
- 10 CEILING ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT CEILING FINISH.
- 11 REFER TO DOOR SCHEDULE FOR FINISH ON DOORS AND FRAMES.
- 12 REFER TO FINISH PLANS FOR VISUAL DISPLAY BOARD LOCATIONS.
- 13 REFER TO INTERIOR ELEVATION SHEETS FOR REQUIREMENTS, GENERAL NOTES, ABBREVIATIONS, AND HARDWARE/ACCESSORY SELECTIONS FOR CASEWORK.
- 14 REFER TO INTERIORS TYPICAL DETAIL SHEETS FOR TILE TRIM DETAILS, FLOORING TRANSITIONS, WAINSCOT DETAILS, AND TYPICAL TILE PATTERN REQUIREMENTS.
- 15 ALL FLOOR SUPPORTED STORAGE RACKS, CABINETS, BOOKCASES, ETC. WHEN ADJACENT TO THE WALL SHALL BE FASTENED TO BOTH THE FLOOR AND WALL.
- 16 PROVIDE BLOCKING AS REQUIRED FOR ATTACHMENT OF CASEWORK, MILLWORK, SHELVING, EQUIPMENT, SPECIALTY FINISHES, ETC.
- 17 DETAILS SHOWN ILLUSTRATE DESIGN INTENT, NOT ALL POSSIBLE CONDITIONS, FOR CONDITIONS NOT SHOWN USE DETAILS CLOSEST TO CONDITION IN QUESTION.

DEFINITIONS/ABBREVIATIONS - INTERIORS

- A.F.F. ABOVE FINISHED FLOOR
- BF BARRIER FREE
- CL CENTER LINE
- EX EXISTING
- HOLD HOLD DIMENSION
- MIN. MINIMUM CODE ALLOWABLE DIMENSION
- OC ON CENTER
- OPP OPPOSITE
- SIM SIMILAR
- TYP. TYPICAL
- V.I.F. VERIFY IN FIELD

ISSUED FOR _____ DATE _____

PROJECT TITLE
**CENTRAL HIGH SCHOOL - BID PACKAGE 2:
DISTRICT WIDE ACCESS CONTROL**

OWNER
PORTAGE PUBLIC SCHOOLS

Portage, Michigan

SHEET TITLE
INTERIOR GENERAL NOTES

DATE
FEBRUARY 16, 2024

SHEET NUMBER
IG 001
23-214.10

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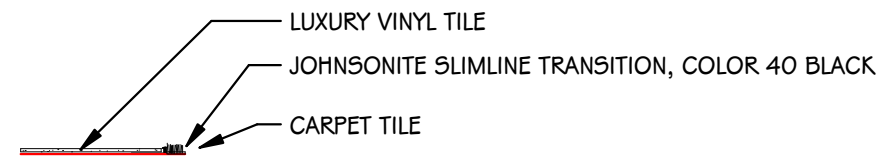
MATERIAL SELECTION SCHEDULE

ABBREV	ITEM	MANUFACTURER	PATTERN	COLOR	PRODUCT NO.	SIZE	SINGLE SOURCE	BASIS OF DESIGN	ADDITIONAL MANUFACTURERS	REMARKS
ACP-1	ACOUSTIC CEILING PANEL	USG	ASTRO CLIMAPLUS	WHITE	8221	24" X 24"	X	--	--	SQUARE EDGE .55 NRC 35 CAC
ECPTL-1	ENTRYWAY CARPET TILE	MILLIKEN	OBEX CUTX / GRAIN	GREY	GRX235-27	25 CM X 1M	X	--	--	ASHLAR INSTALLATION
FRL-1	FIBER REINFORCED LAMINATE PANELS	PANDOLAM / NEVAMAR	--	GRAND ISLE MAPLE	NW721	4' X 8' PANELS	X	--	--	GRAIN TO BE INSTALLED VERTICALLY ALUMINUM TRIM COLOR MATCH CAULK JOINTS
P-1	PAINT	SHERWIN WILLIAMS	--	WOOL SKEN	5WG148	--	X	--	--	--
PL-1	PLASTIC LAMINATE	FORMICA	--	NAVY GRAPHIC - MATTE	7018-58	--	X	--	--	--
PL-2	PLASTIC LAMINATE	NEVAMAR	--	GRAND ISLE MAPLE	W-8371T	--	X	--	--	--
RB-1	RUBBER BASE	TARKETT / JOHNSONITE	DURACOVE - WITH TOE	BLUE LAGOON	42	4" HIGH	X	--	--	--

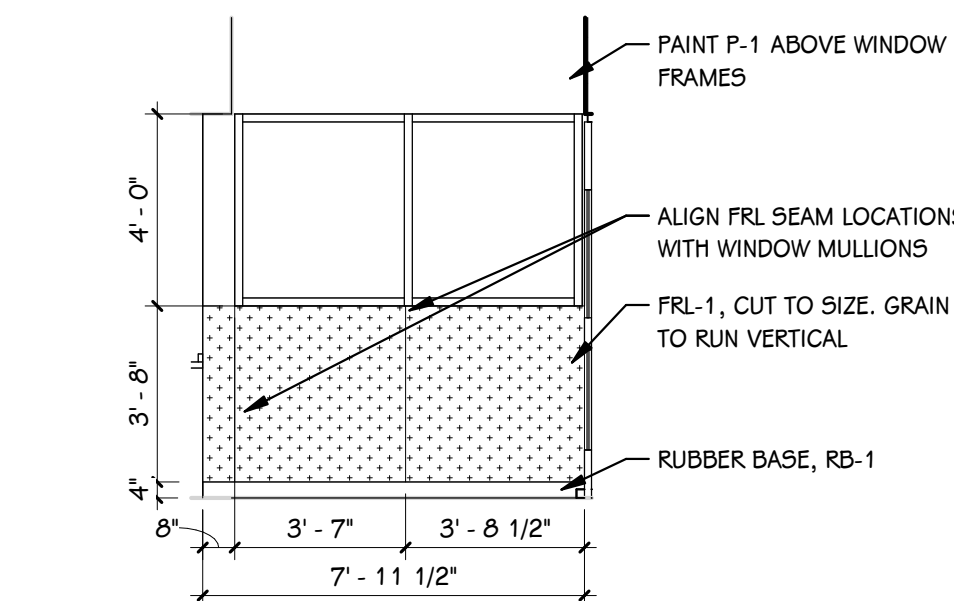
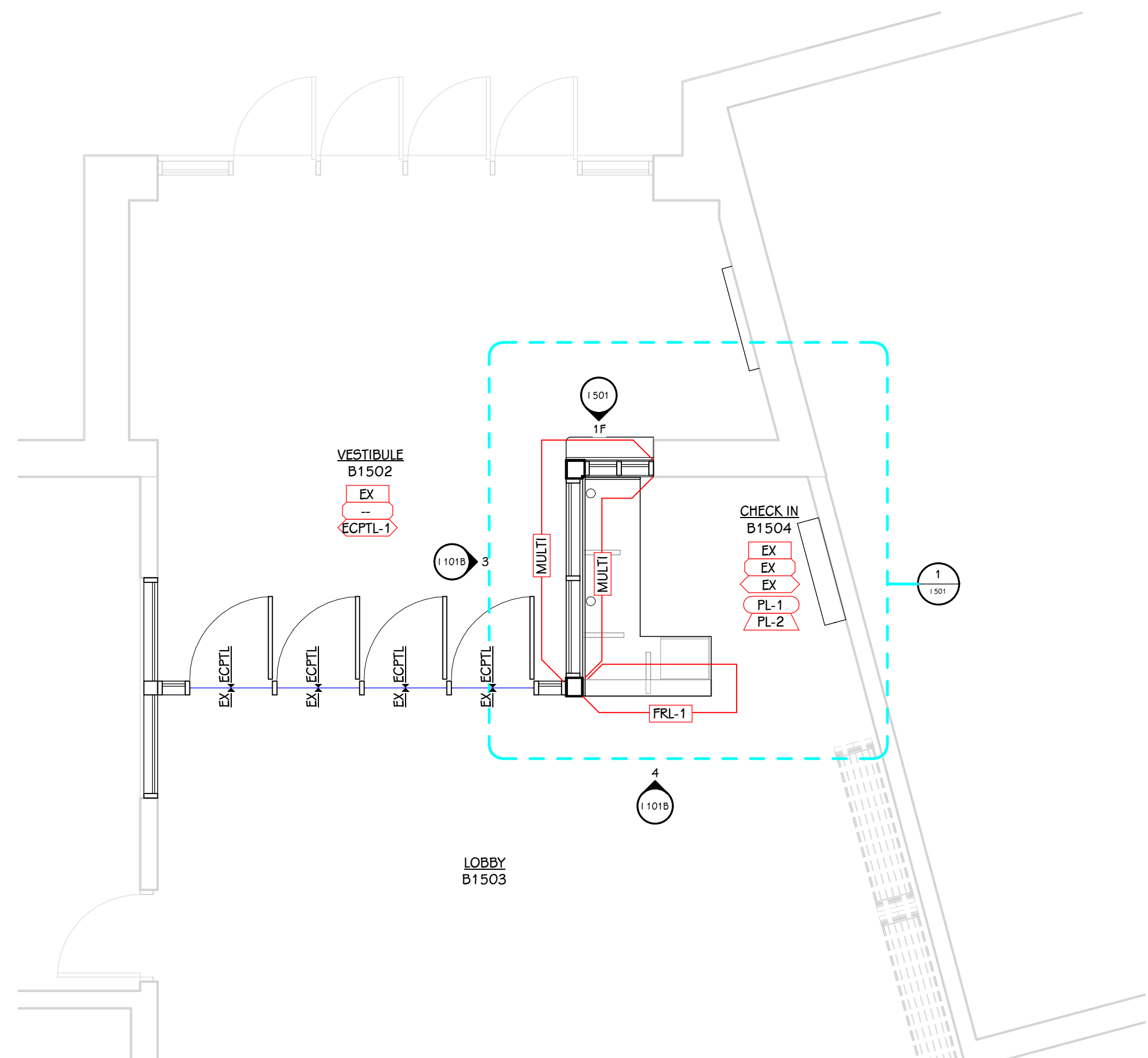
GENERAL NOTES - MATERIAL SELECTION SCHEDULE

- NO COMPARABLE PRODUCTS OR PRODUCT SUBSTITUTIONS WILL BE REVIEWED FOR PRODUCTS DESIGNATED AS SINGLE SOURCE.
- COMPARABLE PRODUCTS WILL BE REVIEWED FOR ITEMS LISTED AS BASIS OF DESIGN. COMPARABLE PRODUCTS ARE REQUIRED TO MEET ANY MINIMUM PERFORMANCE REQUIREMENTS LISTED IN REMARKS AND APPEARANCE OF SPECIFIED PRODUCT.
- REFER TO TYPICAL DETAILS AND PRODUCT SPECIFICATION FOR TRIMS AND ACCESSORIES ASSOCIATED WITH SPECIFIED PRODUCTS ABOVE.

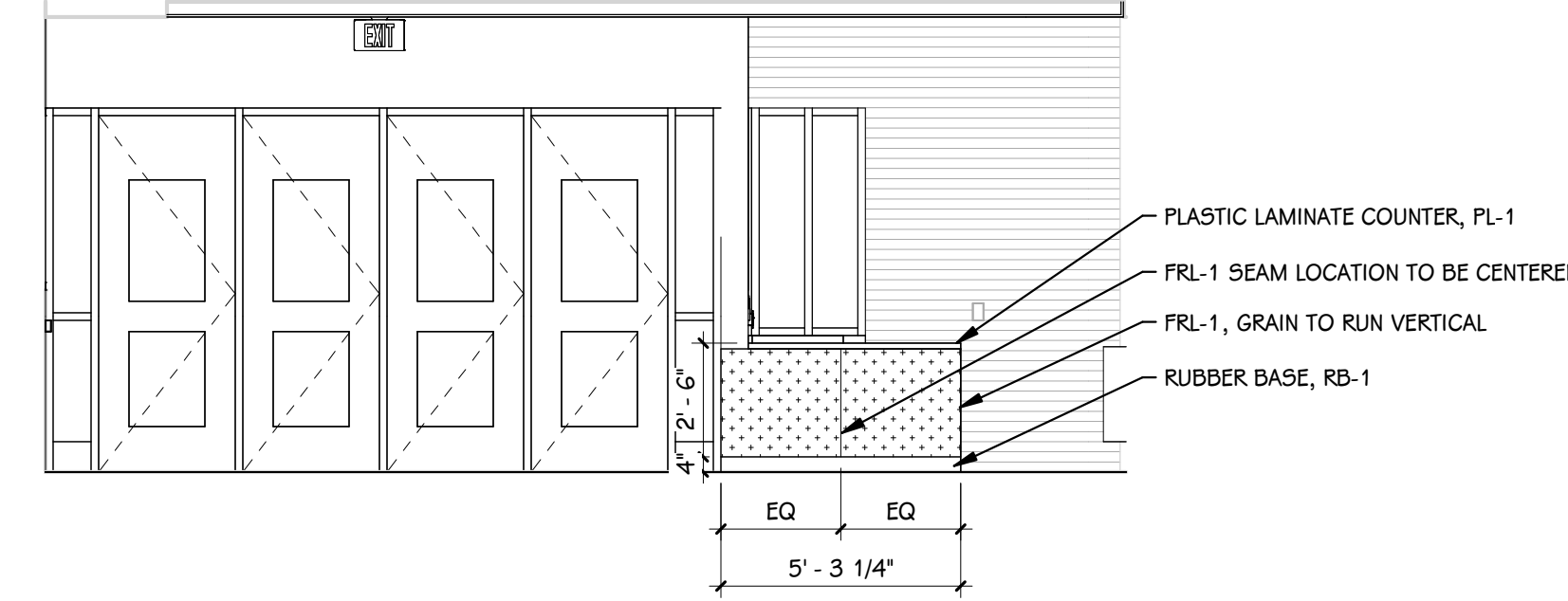
LUXURY VINYL TILE TO CARPET TILE



1 TYPICAL FLOORING TRANSITIONS
1/16" = 1'-0"



3 VESTIBULE B1502 - EAST
1/4" = 1'-0"



4 LOBBY B1503 - NORTH
1/4" = 1'-0"

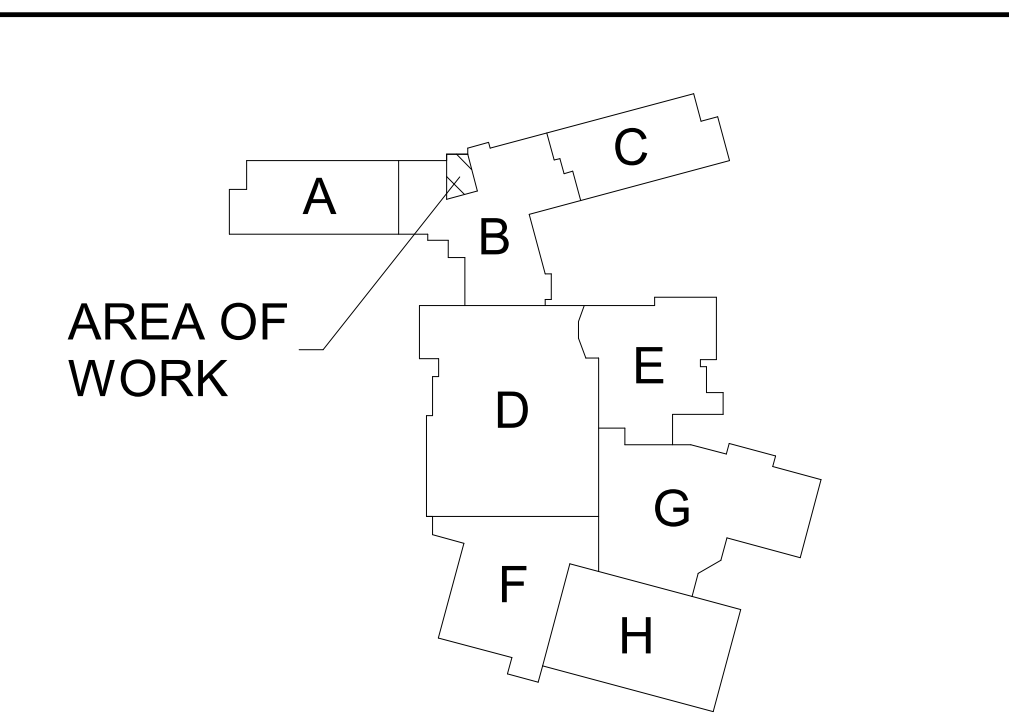
NOTES - FINISH PLANS

- FINISH TAGS APPLY TO LIKE MATERIALS IN ENTIRE ROOM. I.E. CASEWORK TAG MAY ONLY CALLOUT ONE RUN OF CASEWORK, BUT ALL CASEWORK IN ROOM RECEIVE THE SAME FINISHES, UNLESS TAGGED DIFFERENTLY.
- CASEWORK FINISH TAGS DO NOT APPLY TO CUSTOM MILLWORK PIECES. REFER TO ENLARGED MILLWORK DETAILS FOR FINISH MATERIALS.
- REFER TO ENLARGED FINISH PLANS AND PATTERN PLANS FOR ADDITIONAL FINISH DETAILS.
- DASHED LINE INDICATES LINE OF CEILING ABOVE, REFER TO REFLECTED CEILING PLANS.
- WHERE NO FINISH TAG IS SHOWN ALL EXISTING FINISHES ARE TO REMAIN, UNLESS OTHERWISE NOTED.

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FIRST FLOOR FINISH PLAN - UNIT B
1/4" = 1'-0"

PORTAGE CENTRAL HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

PROJECT TITLE
CENTRAL HIGH SCHOOL - BID PACKAGE 2: DISTRICT WIDE ACCESS CONTROL

OWNER
PORTAGE PUBLIC SCHOOLS

SHEET TITLE
FIRST FLOOR FINISH PLAN - UNIT B, ELEVATIONS, AND MATERIAL SELECTION SCHEDULE

Portage, Michigan

DATE
FEBRUARY 16, 2024

SHEET NUMBER
I 101B
23-214.10

ISSUED FOR

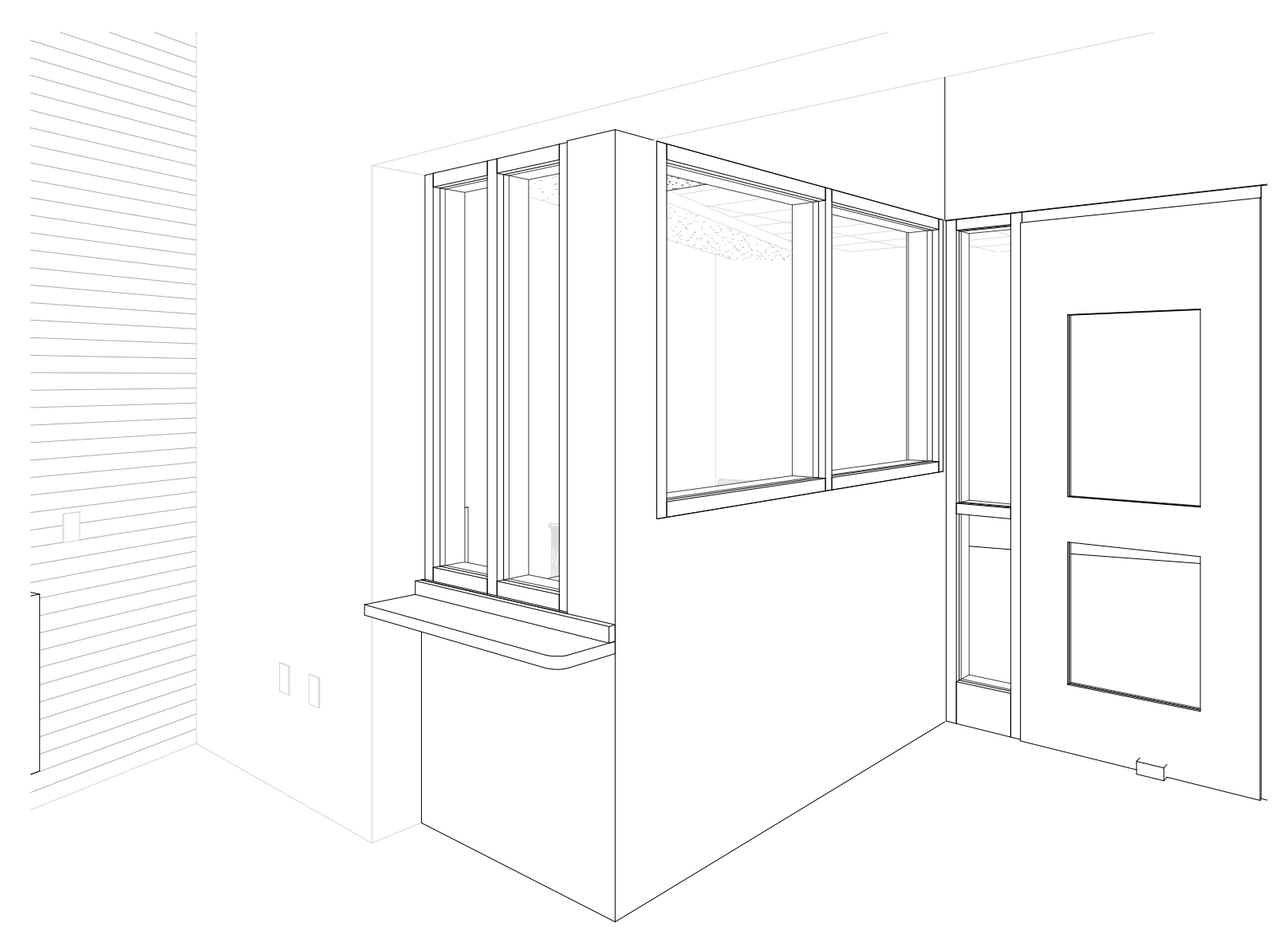
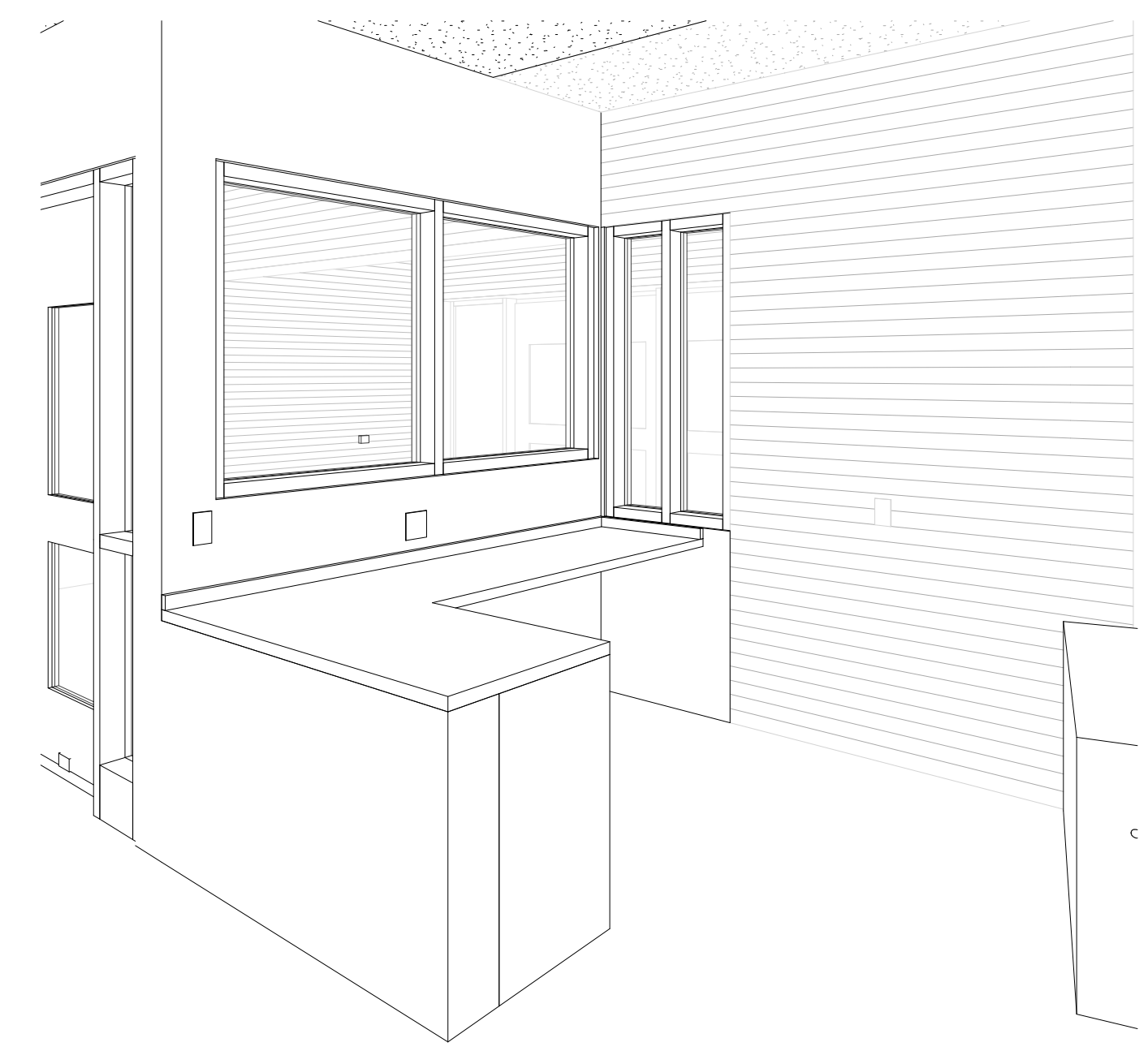
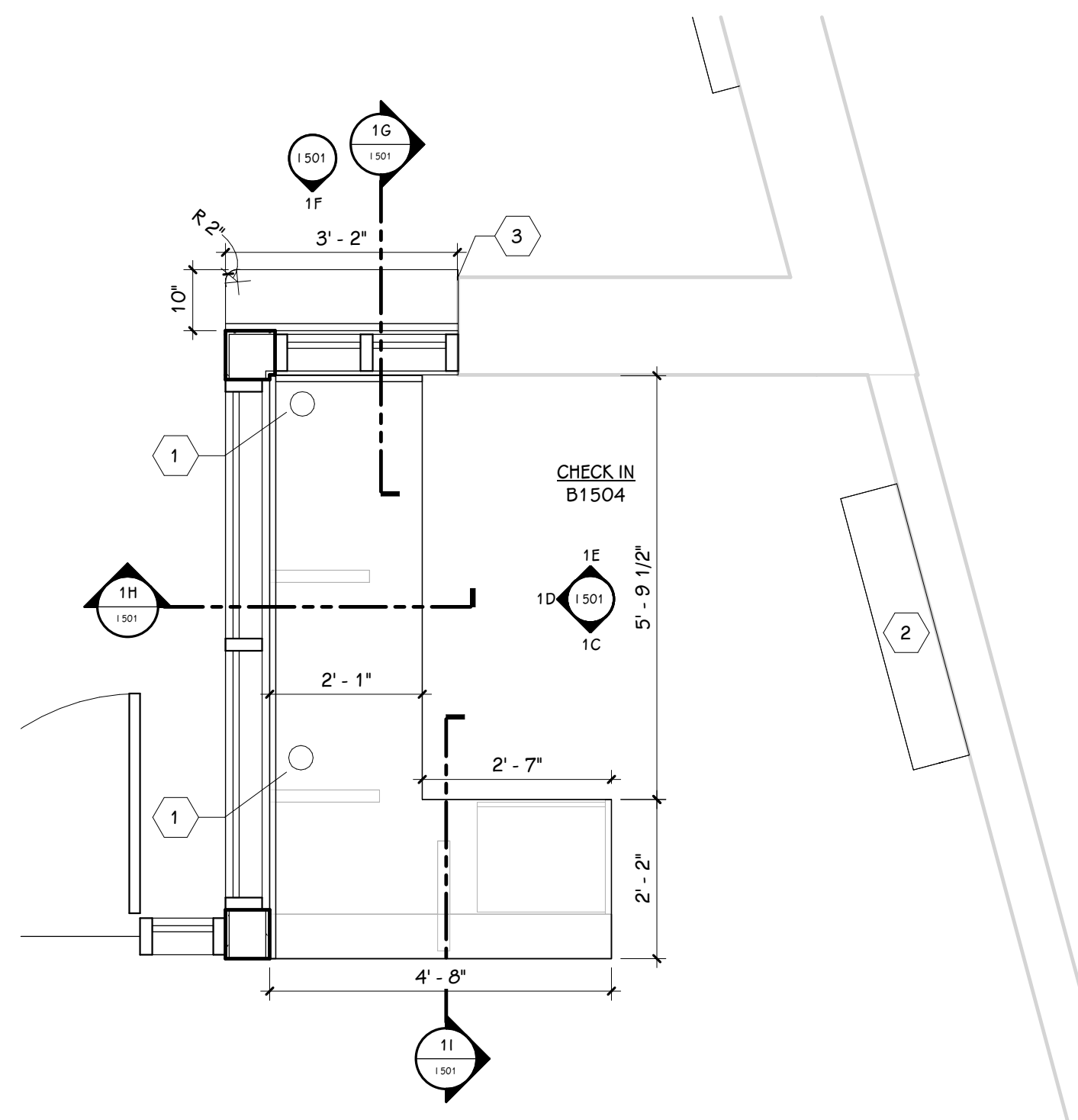
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NOTES - MILLWORK	
1	VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.
2	ALL DIMENSIONS ARE FROM FINISH FACE UNLESS NOTED OTHERWISE.
3	CASEWORK FINISH TAGS DO NOT APPLY TO MILLWORK. REFER TO ELEVATIONS AND DETAILS FOR MILLWORK FINISHES.
4	CABINETRY WITHIN MILLWORK SCOPE MUST BE FURNISHED FROM SAME VENDOR AND MANUFACTURER AS ADJACENT MILLWORK DIEWALLS AND PANELS.
5	WIRING AND ACCESS PANELS FOR MILLWORK MOUNTED DEVICES AND TECHNOLOGY MUST BE COORDINATED WITH MECHANICAL, ELECTRICAL, TECHNOLOGY, AND SECURITY CONTRACTORS.
6	FILLER PANELS SHALL BE NO LESS THAN 2" WIDE, UNLESS NOTED OTHERWISE.
7	FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH MATERIAL SPECIFIED FOR FRONTS IN THAT ROOM.
8	ALL VERTICAL AND HORIZONTAL EXPOSED AND SEMI-EXPOSED SURFACES TO BE FINISHED WITH BODY MATERIAL.
9	SUPPORT BRACKETS ARE REQUIRED EVERY 36" O.C. AT AREAS WHERE COUNTERTOP IS OPEN UNDERNEATH. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING BRACKETS APPROPRIATELY SIZED BASED ON DEPTH OF COUNTER.
10	PATTERN OR GRAIN DIRECTION TO BE VERTICAL ON DOORS AND HORIZONTAL ON DRAWERS - PER AWI STANDARDS, UNLESS NOTED OTHERWISE.
11	LOCKS: ALL CABINETS KEYED ALIKE, PER ROOM. SEE ELEVATIONS FOR LOCK LOCATIONS.
12	GROMMET LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH THE OWNER PRIOR TO INSTALLATION - COORDINATE WITH POWER & DATA LOCATIONS FOR ANY ADDITIONAL WIRE MANAGEMENT REQUIREMENTS.
13	SLABSMITHING WILL BE REQUIRED IN INSTANCES WHERE A PATTERNED QUARTZ, NATURAL STONE, OR SOLID SURFACE IS SPECIFIED.
14	WHERE MILLWORK IS INDICATED TO RECEIVE RESIDENTIAL APPLIANCES, FURNITURE, OR OWNER-FURNISHED EQUIPMENT, COORDINATE WITH FINAL OWNER-PROVIDED SELECTIONS.

KEYED NOTES - ENLARGED MILLWORK PLANS	
1	GROMMET LOCATIONS TO BE COORDINATED WITH ELECTRICAL
2	NEW CABINET HEATER, REFER TO MECHANICAL
3	CAULK JOINT

MILLWORK HARDWARE & ACCESSORY SELECTIONS	
1	GROMMETS TYPE & FINISH: MCKET DRAVA @BRV1, SATIN CHROME FINISH.
2	SUPPORT BRACKET TYPES & FINISH: A AND M HARDWARE HEAVY DUTY HYBRID BRACKETS. SIZED AS REQUIRED. FINISH TO BE BLACK POWDERCOAT UNLESS OTHERWISE NOTED.
3	PVC EDGEBANDING TO BE SELECTED

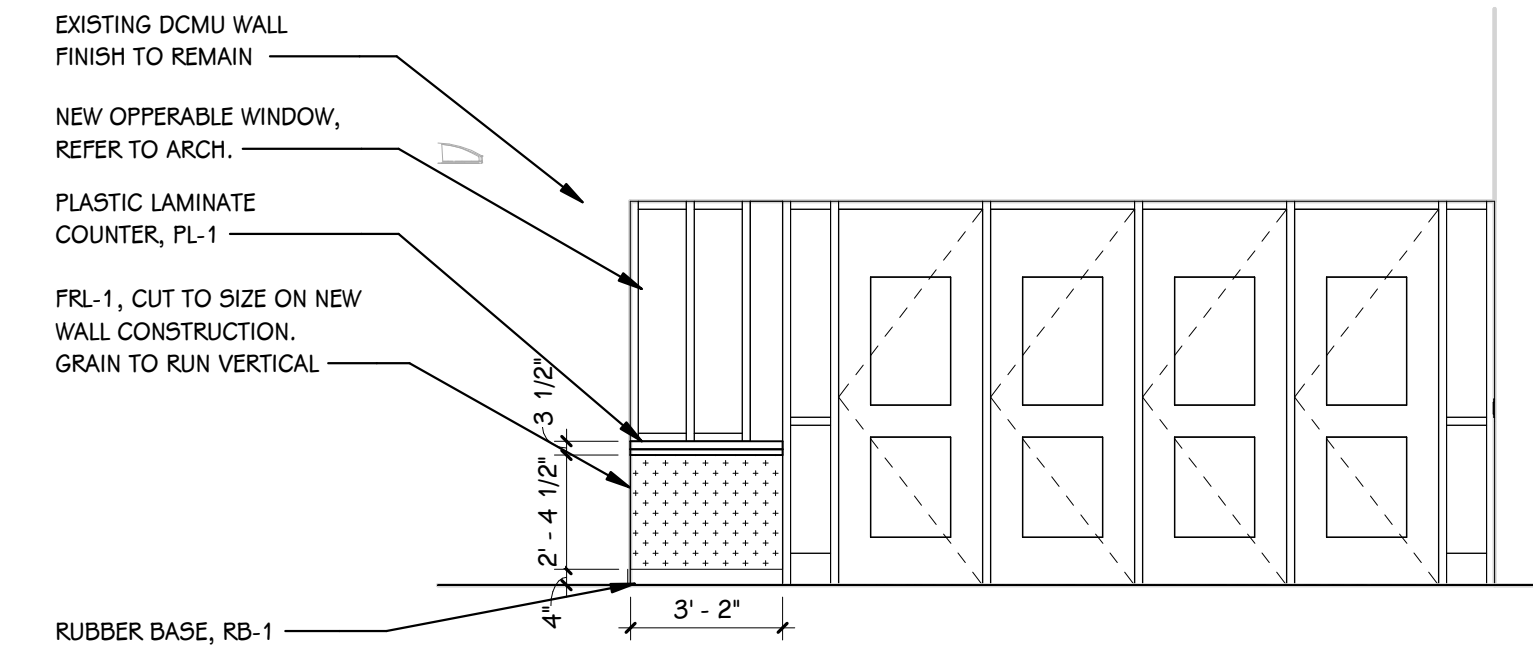
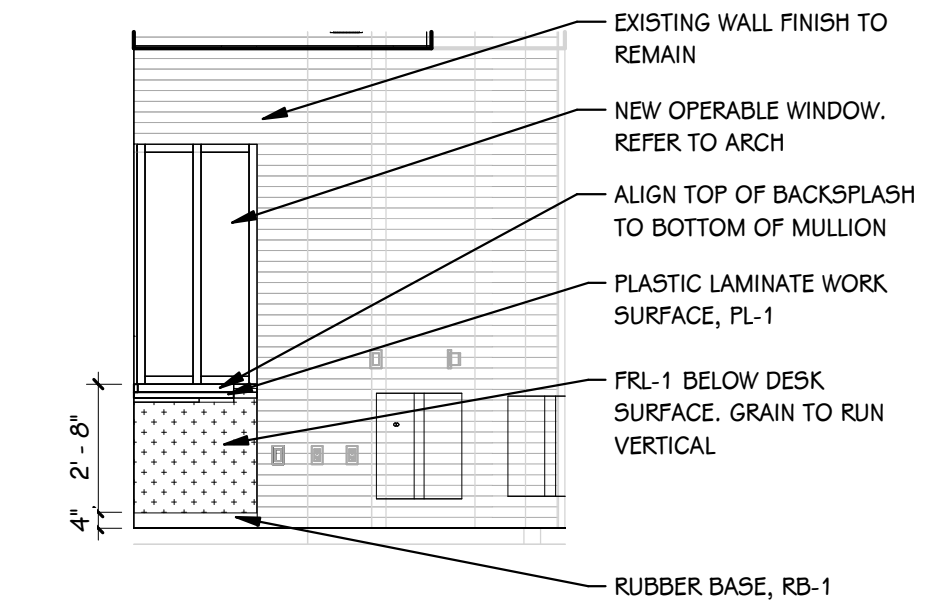
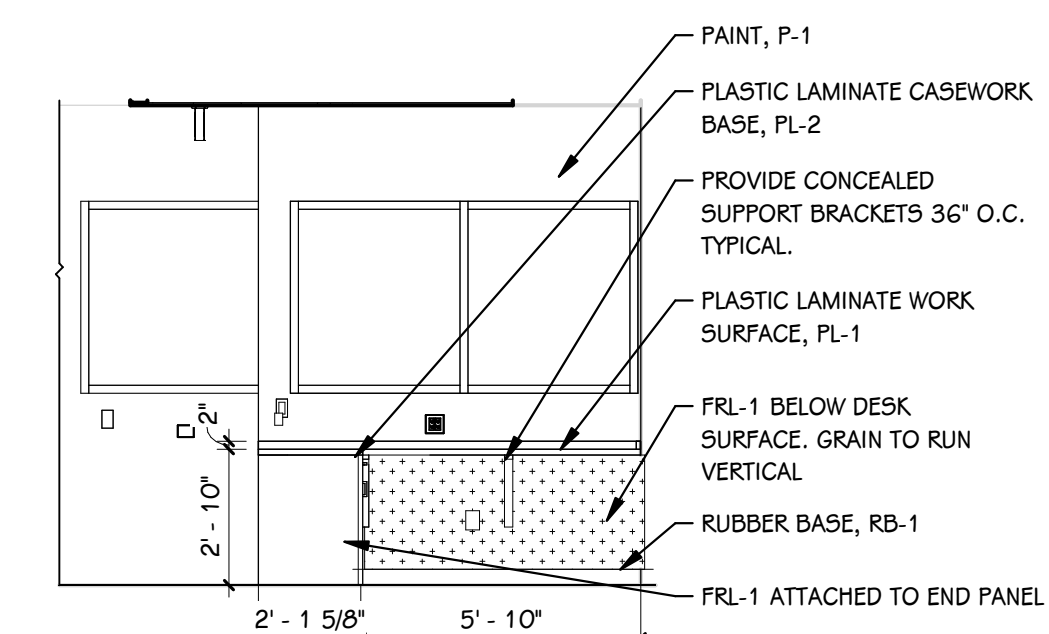
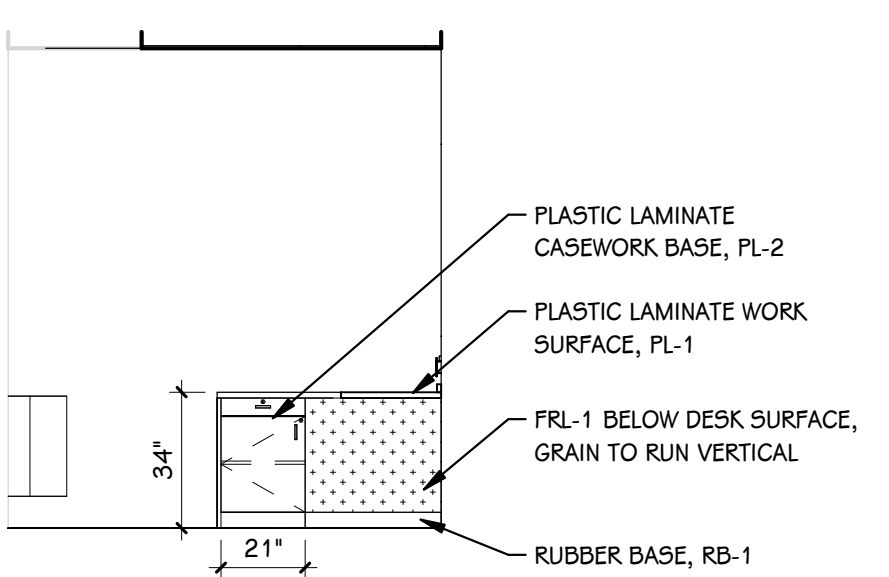
STANDARD ABBREVIATIONS - CASEWORK			
ADJ	ADJUSTABLE	P/O	PULL-OUT DRAWER
FP	FILLER PANEL	BF	BARRIER FREE
RP	REMOVABLE PANEL	CLR	CLEAR OPENING



1
1/2" = 1'-0"

1A
1/50"

1B
1/50"

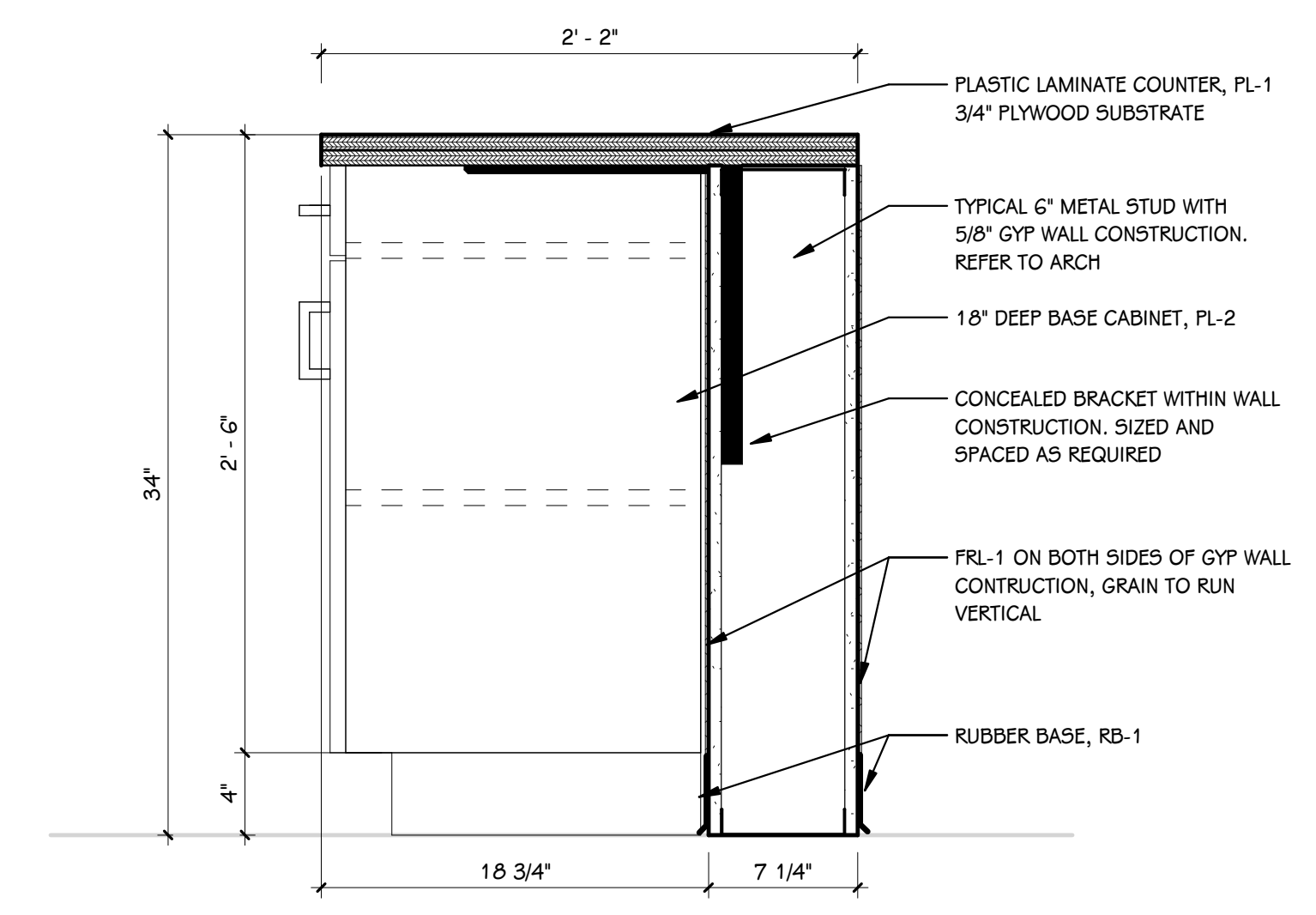
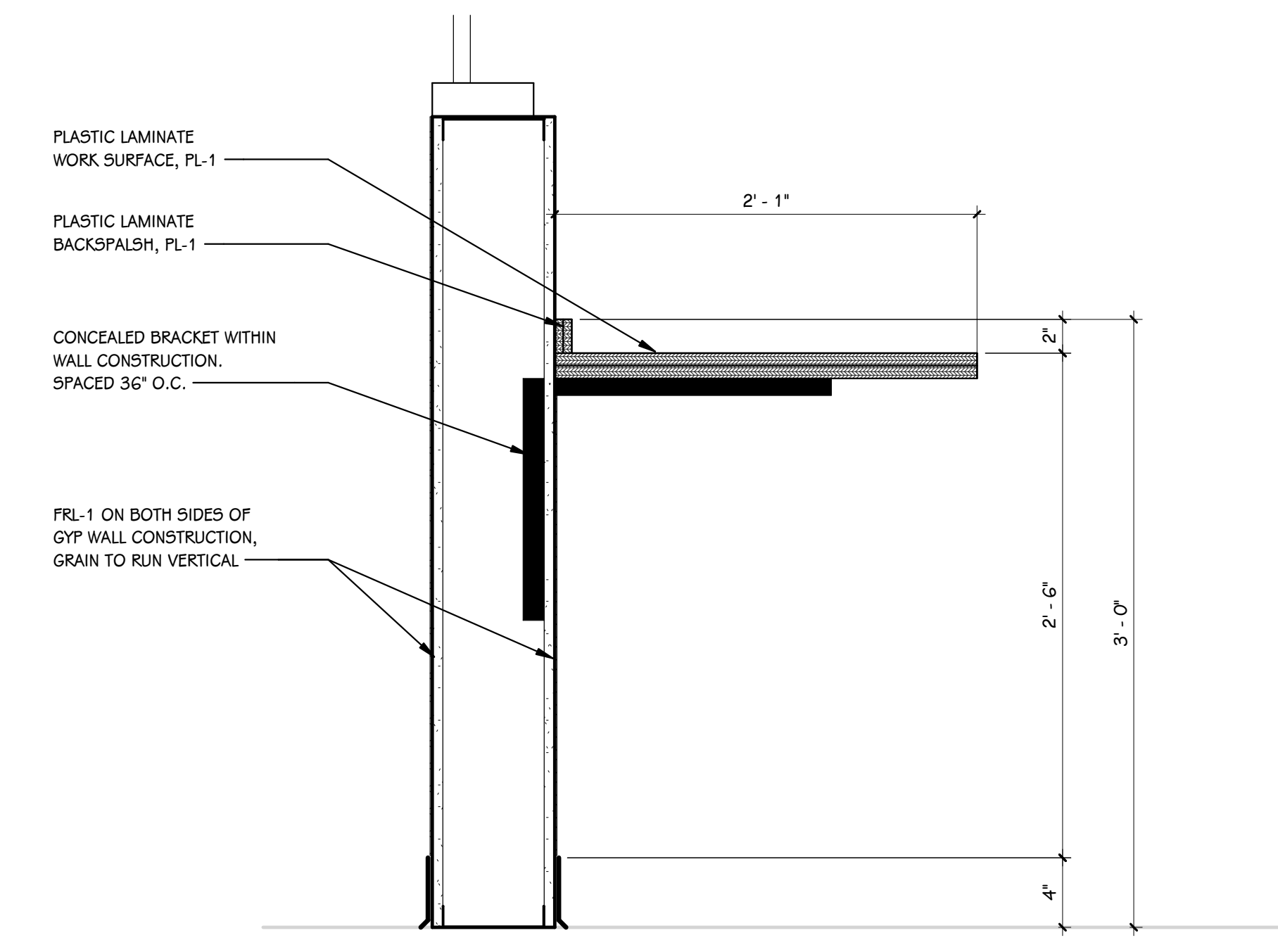
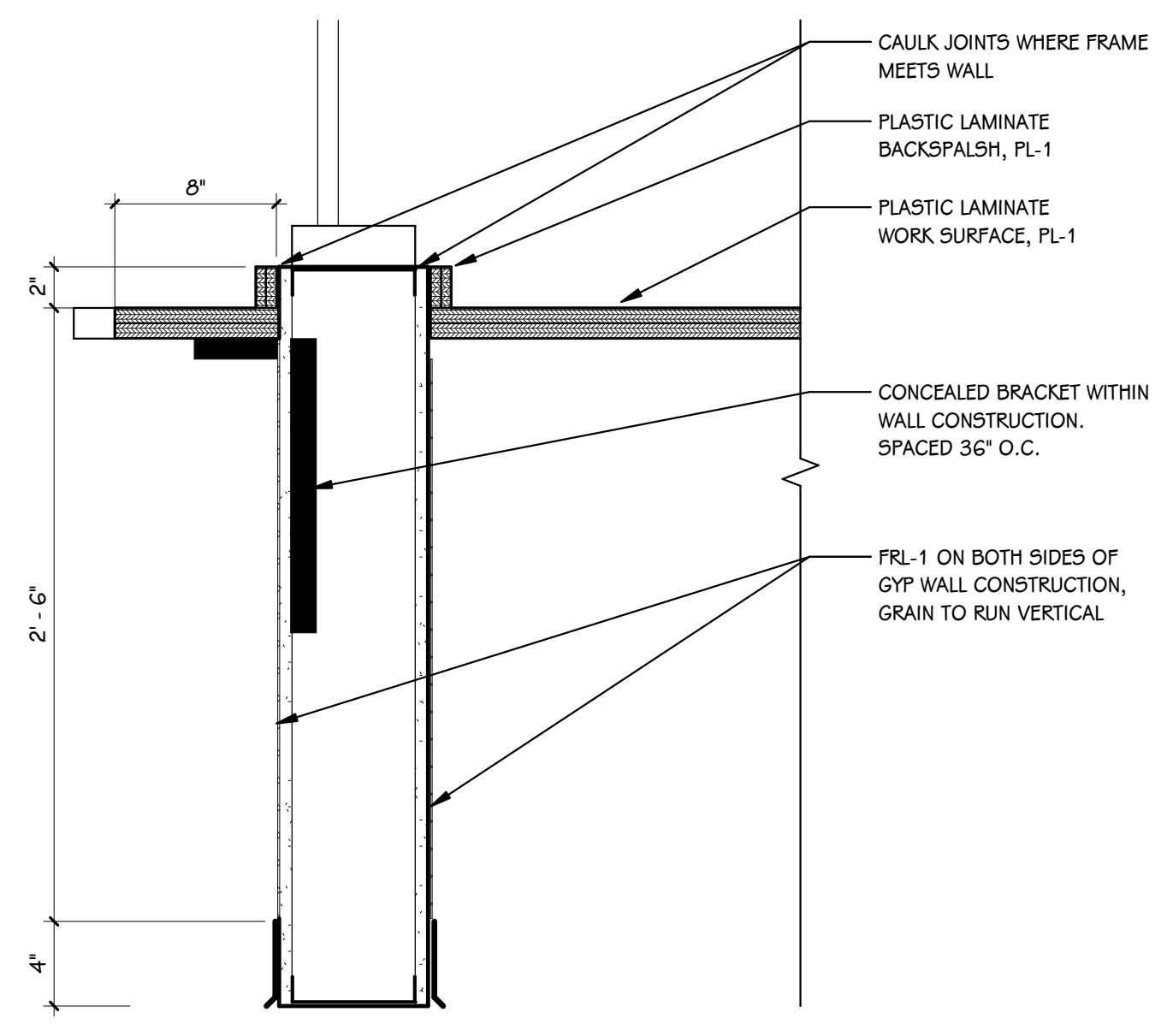


1C
1/4" = 1'-0"

1D
1/4" = 1'-0"

1E
1/4" = 1'-0"

1F
1/4" = 1'-0"



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

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

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

PROJECT TITLE
CENTRAL HIGH SCHOOL - BID PACKAGE 2:
DISTRICT WIDE ACCESS CONTROL

OWNER
PORTAGE PUBLIC SCHOOLS

Portage, Michigan

SHEET TITLE
ENLARGED MILLWORK PLAN

DATE
FEBRUARY 16, 2024

SHEET NUMBER
1501
23-214-10

ISSUED FOR
DATE

ISSUED FOR _____ DATE _____

PROJECT TITLE
**CENTRAL HIGH SCHOOL - BID PACKAGE 2:
PORTAGE DISTRICT WIDE ACCESS
CONTROL UPGRADES**

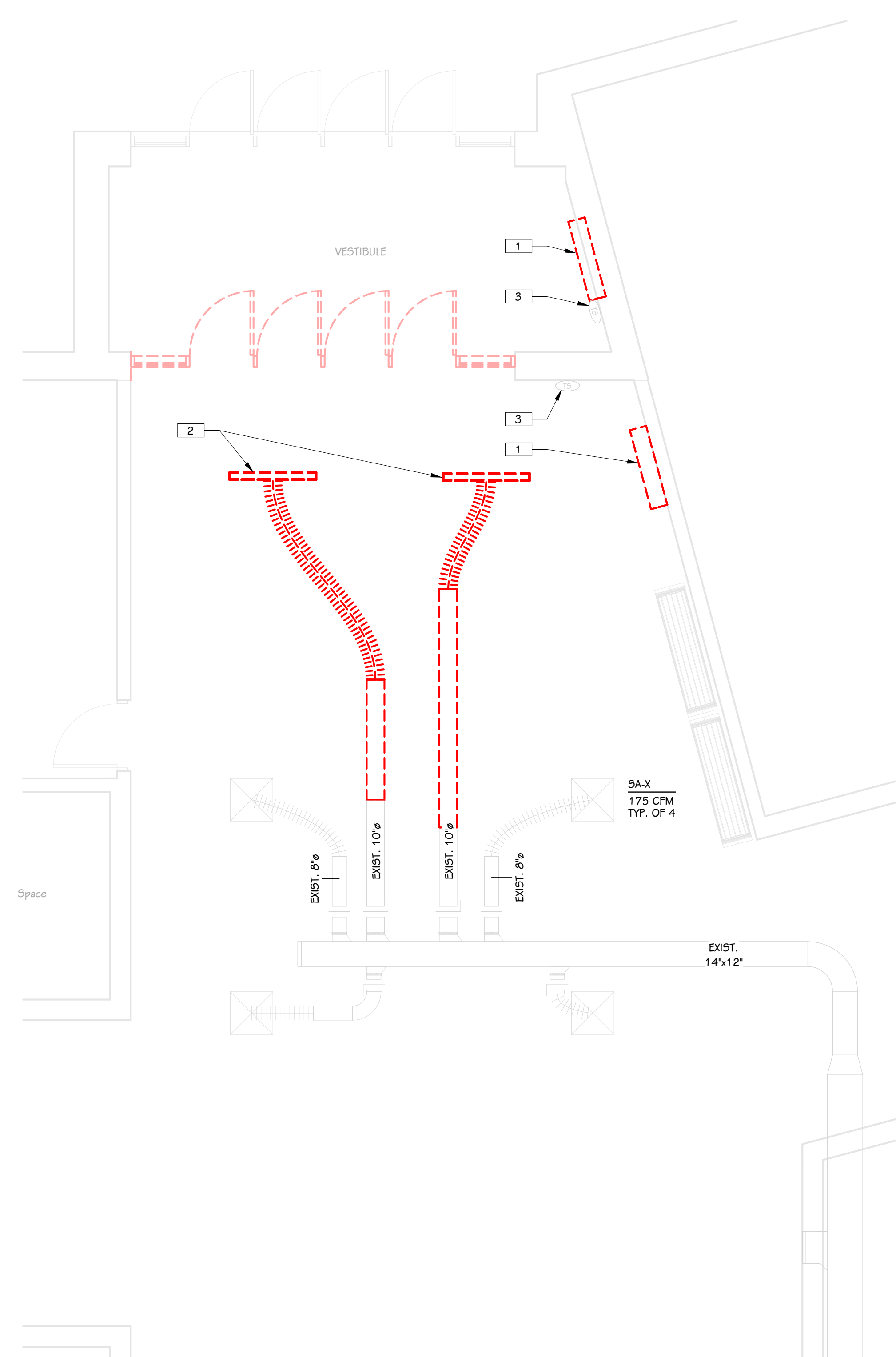
OWNER
PORTAGE PUBLIC SCHOOLS

Portage, Michigan

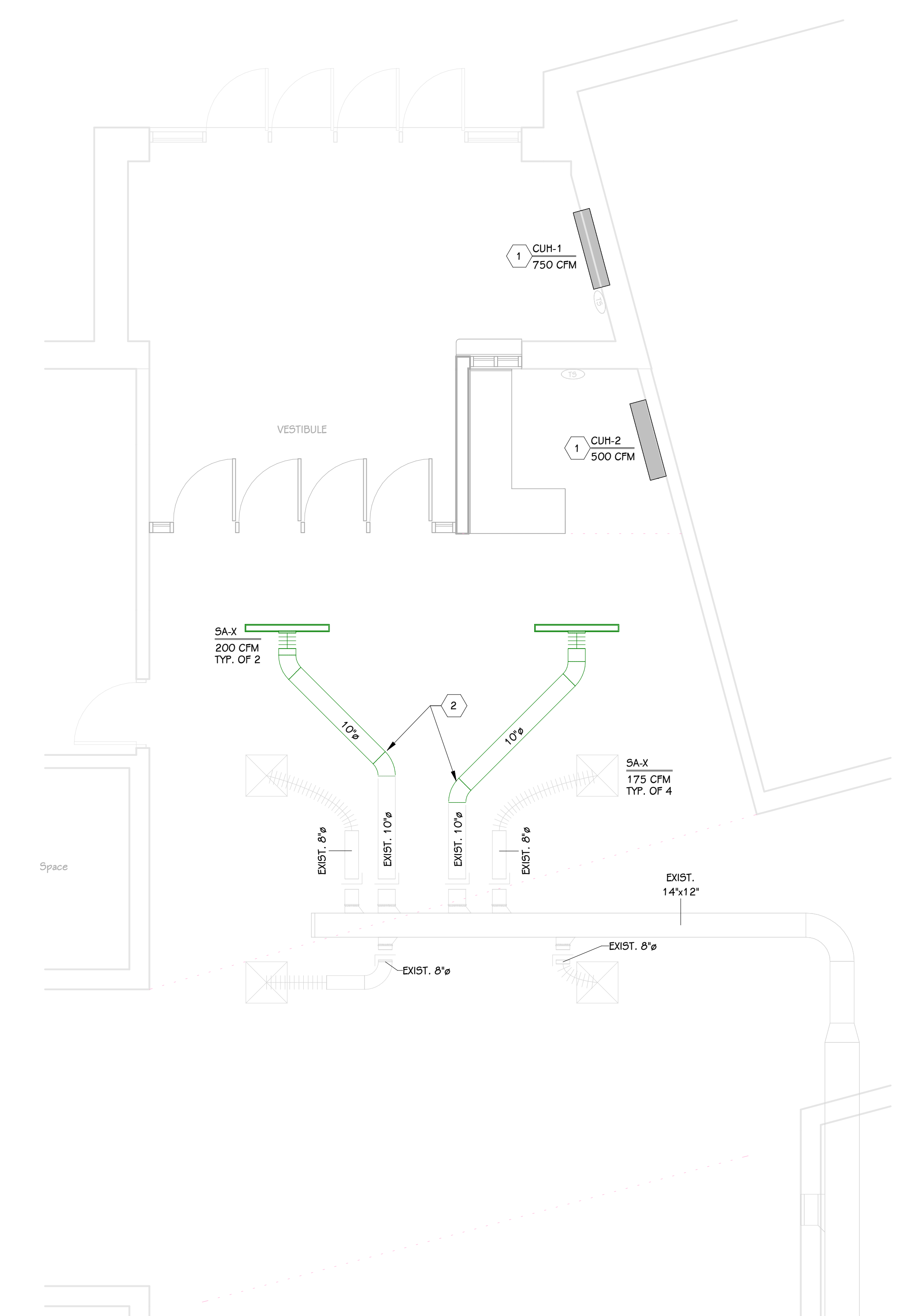
SHEET NUMBER
MG 001

DATE
FEBRUARY 16, 2024
23-214.10

ABBREVIATIONS	MECHANICAL SYMBOLS	GENERAL NOTES - MECHANICAL - NEW CONSTRUCTION
<p>A.C.D. AUTOMATIC CONTROL DAMPER A.F.F. ABOVE FINISHED FLOOR A.G. ABOVE GRADE A.P.D. AIR PRESSURE DROP B.D. BALANCING DAMPER B.D.D. BACKDRAFT DAMPER B.F. BARRELS FREE BTUH BRITISH THERMAL UNIT PER HOUR B.V. BALANCING VALVE C.B. CATCH BASIN C.B.V. CALIBRATED BALANCING VALVE C.F.H. CUBIC FEET PER HOUR C.F.M. CUBIC FEET PER MINUTE C.H. CABINET HEATER C.I. CAST IRON C.M. CEILING MOUNTED C.O. CLEAN OUT C.V. CONTROL VALVE D.F. DRINKING FOUNTAIN DN. DOWN D.S. DOWN SPOUT E.A. EXHAUST AIR E.A.T. ENTERING AIR TEMPERATURE E.D.B. ENTERING DRY BULB E.F. EXHAUST FAN E.S.P. EXTERNAL STATIC PRESSURE E.W.B. ENTERING WET BULB E.W.C. ELECTRIC WATER COOLER E.W.T. ENTERING WATER TEMPERATURE EXIST. EXISTING E.T.R. EXISTING TO REMAIN F.C. FLEXIBLE CONNECTION F.D. FLOOR DRAIN (FD) FIRE DAMPER F.H.C. FIRE HOSE CABINET F.I. FIELD INSTALLED F.M. FLOOR MOUNTED F.P.M. FEET PER MINUTE F.R. FIN RADIATION G.P.M. GALLONS PER MINUTE H.B. HOSE BIBB HP HORSE POWER I.E. INVERT ELEVATION L.A.T. LEAVING AIR TEMPERATURE LAV. LAVATORY L.D.B. LEAVING DRY BULB LOUV. LOUVER L.W.B. LEAVING WET BULB L.W.T. LEAVING WATER TEMPERATURE M.A. MIXED AIR M.A.T. MIXED AIR TEMPERATURE MAX. MAXIMUM M.B. MOP BASIN MBH BRITISH THERMAL UNIT PER HOUR (THOUSANDS) MFR.(S) MANUFACTURER(S) M.H. MAINFOLD MIN. MINIMUM MTG. MOUNTING M.V. MANUAL AIR VENT N.C. NORMALLY CLOSED N.F.W.H. NON-FREEZE WALL HYDRANT N.I.C. NOT IN CONTRACT N.O. NORMALLY OPEN O.A. OUTSIDE AIR O.A.I. OUTSIDE AIR INTAKE OCT. OCTAVE P.A. PIPE ANCHOR P.D. PRESSURE DROP P.I.V. POST INDICATOR VALVE P.R.V. PRESSURE REDUCING VALVE P.T. PRESSURE / TEMPERATURE TAPPING R.A. RETURN AIR R.D. ROOF DRAIN R.H. RELATIVE HUMIDITY R.I.O. ROUGH IN ONLY R.P.M. REVOLUTIONS PER MINUTE R.P.R.P. REDUCED PRESSURE PRINCIPAL BACKFLOW PREVENTER R.V. RELIEF VALVE S.A. SUPPLY AIR SENS. SENSIBLE SHR. SHOWER SK. SINK S.O.V. SHUT-OFF VALVE S.P. STATIC PRESSURE S.S.K. SERVICE SINK TEMP. TEMPERATURE TOT. TOTAL T.R. TEMPERATURE RISE T.S. TIP SPEED T.S.P. TOTAL STATIC PRESSURE T.U. TERMINAL UNIT BOX T.W.C. TEPID WATER CONNECTION U.H. UNIT HEATER URN. URINAL V. VENT VEL. VELOCITY V.I. VIBRATION ISOLATORS V.I.F. VERIFY IN FIELD V.S. VENT STACK V.T.R. VENT THRU ROOF W. WASTE W.C. WATER CLOSET W.M. WALL MOUNTED W.P.D. WATER PRESSURE DROP W.S.K. WASH SINK</p>	<p>—AW— ACID WASTE —AWV— ACID WASTE VENT —BAL— BALANCING VALVE —L— BUTTERFLY VALVE —CAL— CALIBRATED BALANCING VALVE —CAP— CAP —CO2— CARBON DIOXIDE —CV— CHECK VALVE —CR— CHILLER RETURN —CS— CHILLER SUPPLY —CWR— CHILLED WATER RETURN —CWS— CHILLED WATER SUPPLY —CWD— COLD WATER (DOMESTIC) —A— COMPRESSED AIR —COND— CONDENSATE —CD— CONDENSATE DRAIN —CVL— CONTROL VALVE —CTR— COOLING TOWER RETURN —CTS— COOLING TOWER SUPPLY —DI— DEIONIZED WATER —FD— FIRE DAMPER (HORIZONTAL) —FDV— FIRE DAMPER (VERTICAL) —FSD— FIRE/SMOKE DAMPER —FP— FIRE PROTECTION —FMT— FLOW METER (PROBE TYPE) —FMT— FLOW METER (WAFFER TYPE) —FS— FLOW SWITCH —FD— FOOTING DRAIN —FOR— FUEL OIL RETURN —FOS— FUEL OIL SUPPLY —G— GAS —GC— GAS COCK —GLR— GROUND LOOP WATER RETURN —GLS— GROUND LOOP WATER SUPPLY —HR— HEATING HOT WATER RETURN —HS— HEATING HOT WATER SUPPLY —HPR— HEAT PUMP RETURN —HPS— HEAT PUMP SUPPLY —HWR— HOT WATER RETURN (DOMESTIC) —HWS— HOT WATER SUPPLY (DOMESTIC) —HUMIDISTAT —MA— MEDICAL AIR —MVAC— MEDICAL VACUUM —N— NITROGEN —N2O— NITROUS OXIDE —OSV— OUTSIDE STEM AND YOKE VALVE —OXY— OXYGEN —PG— PRESSURE GAUGE —PRV— PRESSURE REDUCING VALVE —PRV— PRESSURE RELIEF VALVE —PTT— PRESSURE / TEMPERATURE TAPPING —PHR— PRIMARY HEATING HOT WATER RETURN —PHS— PRIMARY HEATING HOT WATER SUPPLY —PC— PUMPED CONDENSATE —RPP— REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER —LIQUID— REFRIGERANT LINE (LIQUID) —SUCTION— REFRIGERANT LINE (SUCTION) —SAN— SANITARY SEWER (ABOVE FLOOR) —SAN— SANITARY SEWER (BELOW FLOOR) —SHV— SHUT-OFF VALVE —SD— SMOKE DAMPER —SCW— SOFT COLD WATER —SHW— SOFT HOT WATER —SHWR— SOFT HOT WATER RETURN —SCV— SPRING CHECK VALVE —STM (#)— STEAM —ST— STEAM TRAP —ST— STORM SEWER (ABOVE FLOOR) —ST (OP)— STORM SEWER (OVERFLOW SYSTEM) —ST— STORM (BELOW FLOOR) —STR— STRAINER —SMR— SNOWMELT RETURN —SMS— SNOWMELT SUPPLY —TS— TEMPERATURE SENSOR —TW— TEPID WATER —TWR— TEPID WATER RETURN —THERM— THERMOMETER —THERM— THERMOSTAT —TRV— THREE-WAY CONTROL VALVE —TRV— THROTTLING VALVE —TRV— TRIPLE DUTY VALVE (ANGLE) —TRV— TRIPLE DUTY VALVE (STRAIGHT) —UNION —VAC— VACUUM —VAB— VACUUM BREAKER —V— VENT</p>	<p>1 DETAILS SHOWN ILLUSTRATE DESIGN INTENT, NOT ALL POSSIBLE CONDITIONS. DRAWINGS ARE NOT TO BE CONSIDERED FABRICATION DRAWINGS.</p> <p>2 IF THE CONTRACTOR ELECTS TO PROVIDE EQUIPMENT OTHER THAN BASIS OF DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE LAYOUT AND CLEARANCE REQUIREMENTS IN ALL SPACES CONTAINING EQUIPMENT AND PROVIDE EQUIPMENT MEETING THE SPECIFICATIONS AND ACHIEVING CODE REQUIRED CLEARANCES WITHIN THE SPACE PROVIDED. CONTRACTOR IS REQUIRED TO COVER ALL ELECTRICAL COSTS FOR OTHER THAN BASIS OF DESIGN PRODUCTS SUCH AS DIFFERENT VOLTAGE OR DIFFERENT SIZE MOTOR.</p> <p>3 COORDINATE ALL NEW CONSTRUCTION WORK OR ACTIVITY WITH THAT WHICH IS REQUIRED BY OTHER TRADES OR INSTALLERS IN ORDER TO PROVIDE A COMPLETE SYSTEM INCLUDING ALL NECESSARY COMPONENTS, FITTINGS, AND OFFSETS.</p> <p>4 INSTALLER SHALL VERIFY ALL EXISTING JOBSITE CONDITIONS AND DIMENSIONS AND BE RESPONSIBLE FOR THE SAME. NOTIFY THE ENGINEER OF DISCREPANCIES PRIOR TO COMMENCING WORK.</p> <p>5 FIRE SEAL PENETRATIONS, SUCH AS PIPES, DUCTS, CONDUIT, ETC. THROUGH FIRE AND/OR SMOKE RATED ASSEMBLIES.</p> <p>6 MECHANICAL INSTALLER IS RESPONSIBLE FOR PATCHING OF WALLS, CEILINGS, AND FLOORS WHERE FIXTURES, MECHANICAL EQUIPMENT, SHEET METAL, OR PIPING HAS BEEN REMOVED, RELOCATED, OR INSTALLED.</p> <p>7 ALL PIPING AND DUCTWORK SHALL AVOID LOCATIONS DIRECTLY ABOVE ALL ELECTRICAL EQUIPMENT. COORDINATE WITH ELECTRICAL.</p> <p>8 ALL LOW VOLTAGE CABLING SHALL BE RUN IN CONDUIT BETWEEN DEVICE AND CABLE TRAY OR TECHNOLOGY RACK. NO CABLING SHALL BE VISIBLE IN EXPOSED CEILING SPACES AND SHALL BE ROUTED IN CONDUIT THAT IS PAINTED TO MATCH SURFACE IT IS SUPPORTED FROM. CABLING THAT IS ROUTED ABOVE AN ACCESSIBLE CEILING SPACE CAN BE INDEPENDENTLY SUPPORTED WITH COMM HOOKS OR RINGS.</p> <p>9 COORDINATE ALL TEMPERATURE SENSOR LOCATIONS WITH ELECTRICAL DEVICES ALIGNMENT GUIDELINES' DETAIL ON SHEET G 001.</p> <p>10 WHERE SPACE PERMITS, ALL HYDRONIC BRANCH PIPING SHALL TAP OFF OF BOTTOM OR SIDE OF PIPING MAINS PER BRANCH PIPING TAKE-OFF PIPING DETAIL THIS SHEET. MANUAL AIR VENTS SHALL BE INSTALLED AT THE TOP OF ALL HYDRONIC SYSTEMS.</p> <p>11 ALL EXISTING CLOSED SYSTEMS SHALL BE ISOLATED AND FLUSHED/CLEANED PRIOR TO CONNECTION TO NEW SYSTEMS.</p> <p>12 ALL BRANCH PIPING SHALL BE FURNISHED WITH SHUT-OFF VALVES IN AN ACCESSIBLE LOCATION NEAR MAIN CONNECTION.</p>
<p>CONTROL SYMBOLS</p> <p>—CV— CONTROL VALVE —FMT— FLOW METER (PROBE TYPE) —FMT— THREE-WAY CONTROL VALVE —FMT— FREEZE STAT —M— MOTORIZED ACTUATOR —TS— HUMIDITY SENSOR —TS— TEMPERATURE SENSOR —CO2— CARBON DIOXIDE SENSOR —DP— DIFFERENTIAL PRESSURE SENSOR —AS— AIRFLOW SENSOR —MS— MOISTURE SENSOR —DS— DUCT SMOKE SENSOR</p>	<p>—GENERAL NOTES - MECHANICAL - DEMOLITION</p> <p>1 ALL DUCTWORK, PIPING AND EQUIPMENT SHOWN DASHED SHALL BE REMOVED, EXCEPT WHEN NOTED OTHERWISE. PROTECT EXISTING WORK WHICH IS TO REMAIN IN PLACE FOR REUSE WITH TEMPORARY COVERS, SHORING, BRACING AND SUPPORTS. VERIFY LOCATIONS OF AND PROTECT EXISTING INTERIOR ELECTRICAL AND MECHANICAL UTILITIES AND SERVICES EXCEPT WHERE INDICATED OTHERWISE. ALL MATERIALS AND EQUIPMENT REMOVED AND NOT REUSED SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. THE OWNER RESERVES THE RIGHT TO KEEP OR TO SALVAGE PARTS FROM ANY EQUIPMENT PRIOR TO BEING REMOVED FROM SITE. ALL MATERIALS AND EQUIPMENT REQUIRING REMOVAL AND RELOCATION FOR REUSE SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE AND REINSTALLED AS THE WORK PROGRESSES.</p> <p>2 CONTRACTOR SHALL PROTECT ALL WALLS, CEILINGS, FLOORS, LIGHTS AND OTHER FINISHED SURFACES NOT BEING DEMOED. IF DAMAGED, THE CONTRACTOR SHALL REPAIR TO MATCH EXISTING CONDITIONS.</p> <p>5 PERFORM PRE-DEMOLITION TESTS. MEASURE AND RECORD VALUES INDICATED, SUBMIT REPORT TO THE ENGINEER. ALL MEASUREMENTS SHALL BE TAKEN WITH THE EQUIPMENT OPERATING AT FULL DESIGN CAPACITY. MEASURE AND RECORD GRILLE, REGISTER, OR DIFFUSER AIRFLOW AND NECK SIZE. MEASURE AND RECORD AIRFLOW, INLET STATIC PRESSURE, SUPPLY AIR TEMPERATURE, GPM, AND ENTHALPY OF ASSOCIATED TERMINAL UNIT. MEASURE AND RECORD OA AND SA CFM OF THE ASSOCIATED AIR HANDLING UNIT. MEASURE AND RECORD SPACE AND OUTDOOR TEMPERATURE AND HUMIDITY.</p>	



FIRST FLOOR MECHANICAL DEMOLITION PLAN - PARTIAL UNIT B
1/4" = 1'-0"



FIRST FLOOR SHEET METAL PLAN - PARTIAL UNIT B
1/4" = 1'-0"

KEYED NOTES - MECHANICAL - DEMOLITION

- EXISTING CABINET HEATER TO BE REPLACED. UNIT CONTROLS TO REMAIN. REUSE EXISTING OPENING FOR NEW UNIT.
- REMOVE AND SALVAGE EXISTING DIFFUSER. REMOVE EXISTING DUCTWORK AND SALVAGE FOR CONNECTION TO DIFFUSER IN NEW LOCATION.
- EXISTING THERMOSTAT TO REMAIN AND BE REUSED FOR NEW UNIT.

KEYED NOTES - MECHANICAL - NEW CONSTRUCTION

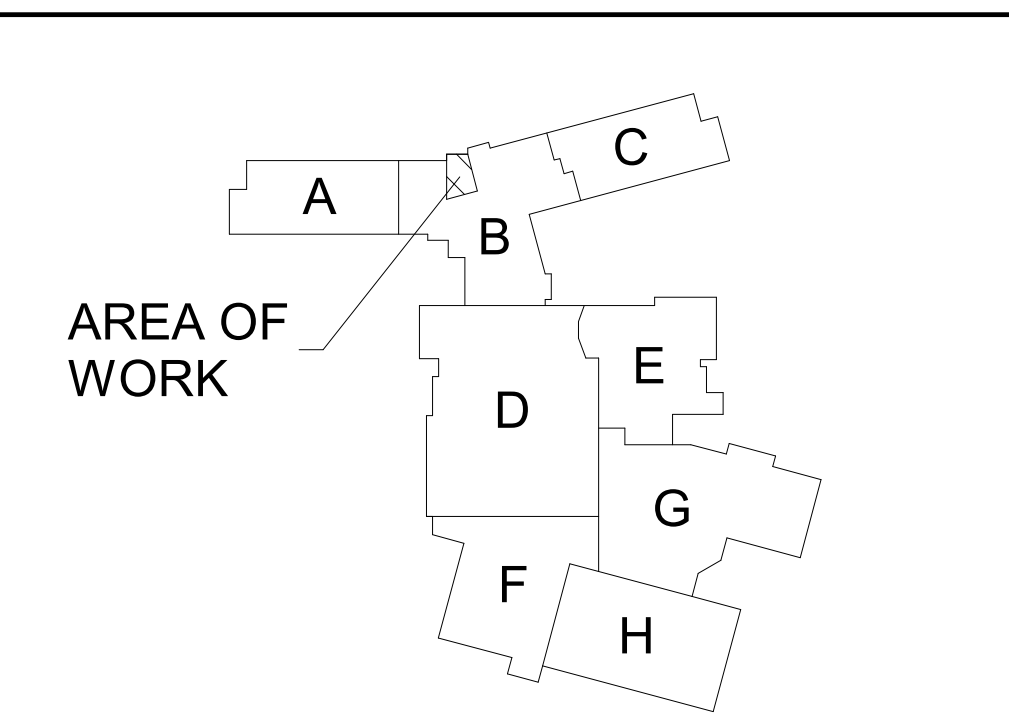
- INSTALL NEW CABINET HEATER IN EXISTING OPENING. RECONNECT TO EXISTING CONTROLS.
- USE SALVAGED DUCTWORK TO CONNECT TO DIFFUSER.

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

CABINET HEATERS - ELECTRIC			BASED ON MARKEL							
MARK	MODEL	TYPE	AIRFLOW (CFM)	COIL DATA				MOTOR DATA		REMARKS
				CAPACITY (MBH)	KW	EAT (°F)	LAT (°F)	AMPS	VOLTAGE	
CUH-1	CUH945	SDMI-RECESSED	500	34.5	10.0	60 °F	123 °F	13	480/3/60	(1)
CUH-2	CUH945	SURFACE MOUNTED	500	34.5	10.0	60 °F	123 °F	13	480/3/60	(1)

NOTES:
1. FRONT TOP DISCHARGE, FRONT BOTTOM RETURN.

PORTAGE CENTRAL HIGHSCHOOL



KEY PLAN
SCALE: NO SCALE

ISSUED FOR: DATE:

PROJECT TITLE
**CENTRAL HIGH SCHOOL - BID PACKAGE 2:
PORTAGE DISTRICT WIDE ACCESS
CONTROL UPGRADES**

OWNER
PORTAGE PUBLIC SCHOOLS

Portage, Michigan

SHEET TITLE
FIRST FLOOR SHEET METAL PLAN

DATE
FEBRUARY 16, 2024

SHEET NUMBER
M 101
23-214.10

ISSUED FOR _____ DATE _____

PROJECT TITLE
CENTRAL HIGH SCHOOL - BID PACKAGE 2:
DISTRICT WIDE ACCESS CONTROL

OWNER
PORTAGE PUBLIC SCHOOLS

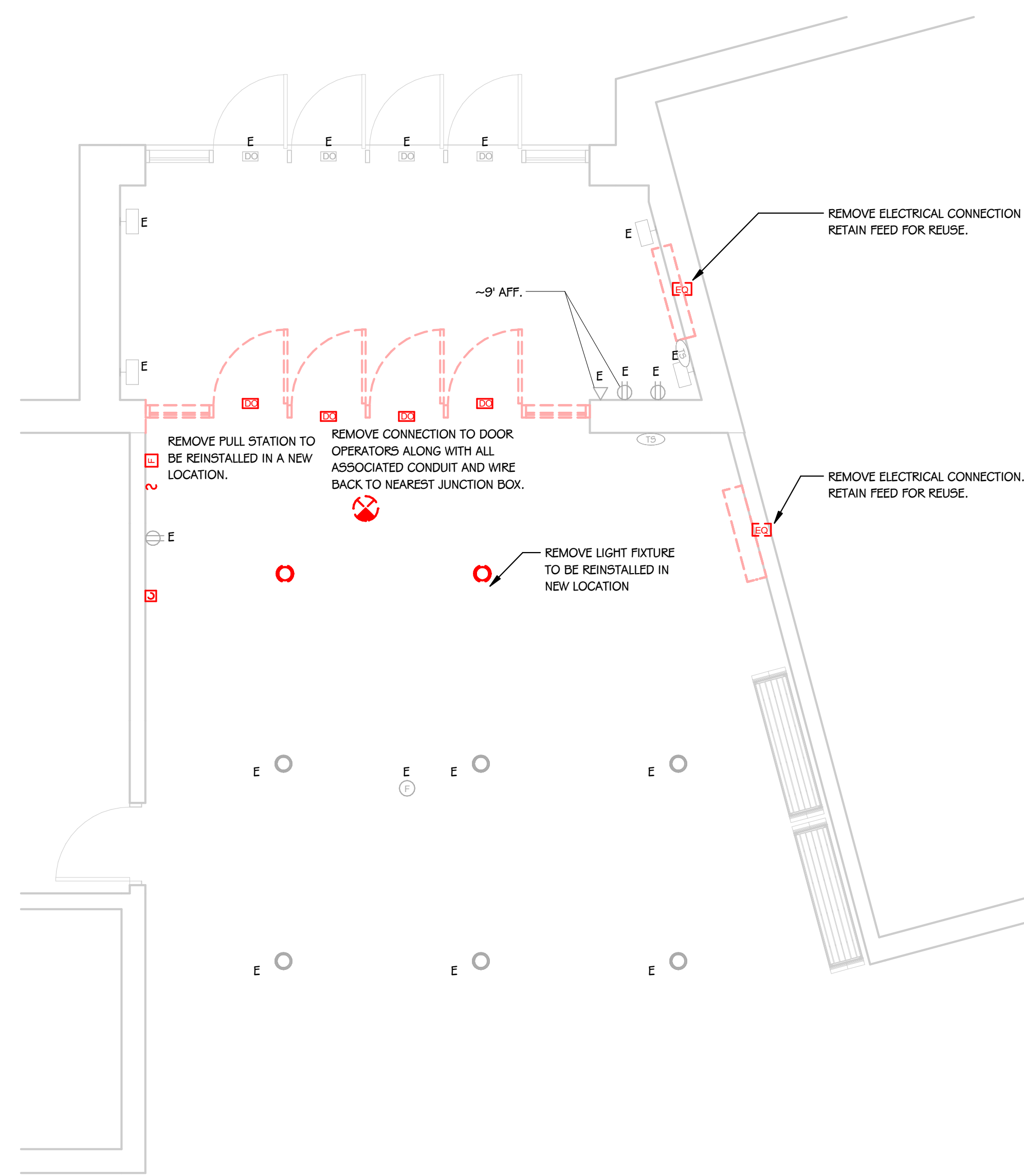
Portage, Michigan

SHEET TITLE
ELECTRICAL SYMBOLS AND GENERAL
NOTES

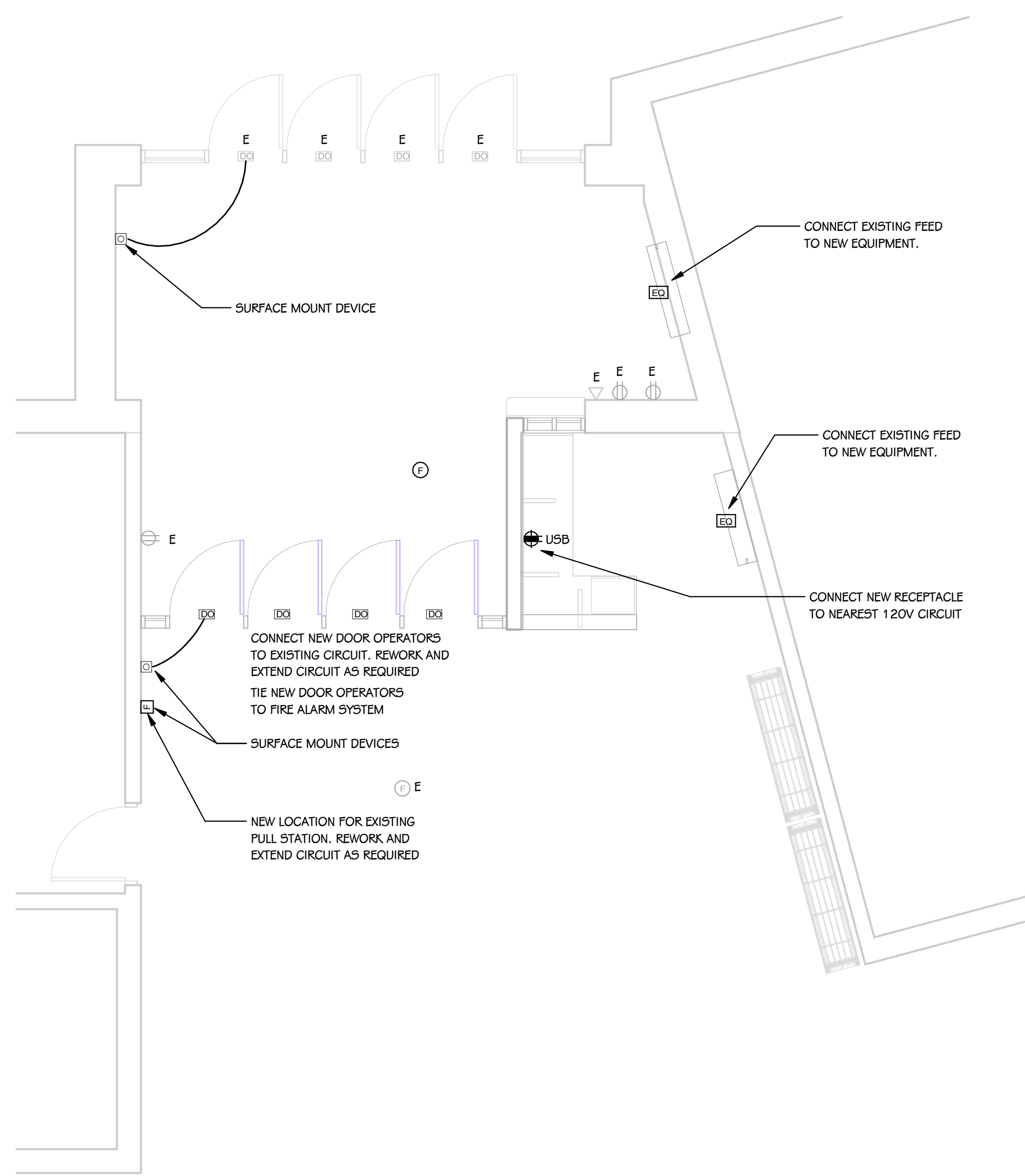
DATE
FEBRUARY 16, 2024

SHEET NUMBER
EG 001
23-214-10

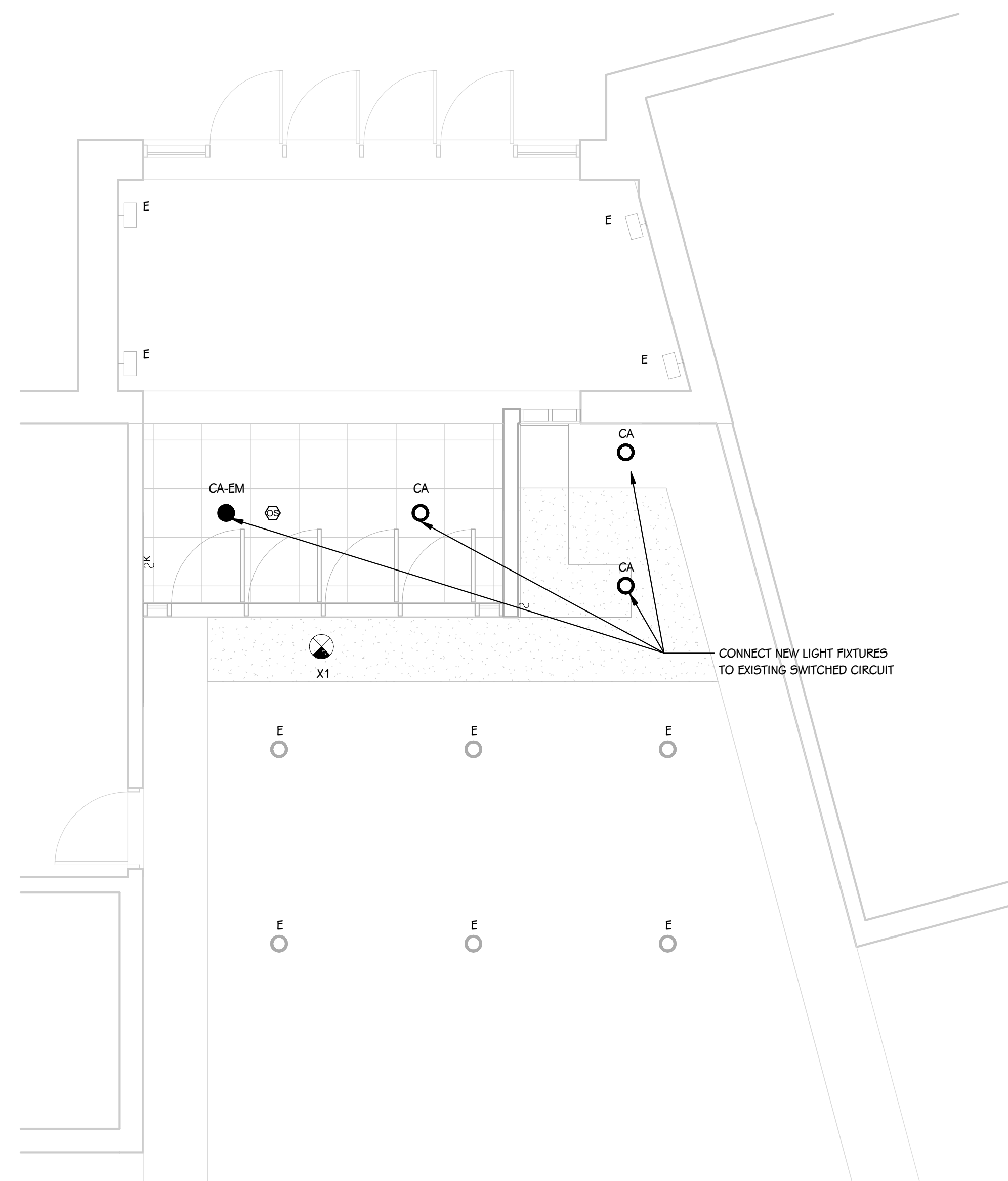
STRUCTURED CABLING	MOUNTING HEIGHTS	POWER SYMBOLS	MOUNTING HEIGHTS	GENERAL NOTES - LIGHTING
<p>DATA/VOICE OUTLET DATA/VOICE OUTLET - SURFACE BACKSPASH DATA/VOICE OUTLET - ABOVE BACKSPASH SECURITY CONTROLS PATHWAY</p> <p>WIRELESS ACCESS POINT GROUNDING BUS BAR CABLE TRAY CLOCK MASTER CLOCK PANEL PAGING SYSTEM HEAD END NETWORK COMMUNICATION RACK 4X8X3/4" FIRE-RATED PLYWOOD CONDUIT SLEEVE</p>	REFER TO TECHNOLOGY DRAWINGS, DETAILS AND PLANS FOR LOCATIONS AND ROUGH-IN DATA.	<p>PUSH-BUTTON STATION - 1 HOLE PUSH-BUTTON STATION - 2 HOLE PUSH-BUTTON STATION - 3 HOLE DOOR OPERATOR</p>	<p>40' 40' 40'</p>	<p>1 ALL OCCUPANCY SENSORS AND PHOTOCELLS MOUNTED IN THE SAME ROOM SHALL BE CONNECTED TOGETHER AND OPERATE AS ONE SYSTEM. DAYLIGHT HARVESTING SHALL BE SEIT CONTAINED WITHIN EACH ROOM AND SHALL BE FIELD ADJUSTED WITH ENGINEER. MANUFACTURER SHALL PROVIDE FLOOR PLANS DURING SHOP DRAWING PHASE SHOWING EXACT LOCATIONS AND QUANTITIES AS REQUIRED FOR A COMPLETE SYSTEM.</p> <p>2 ALL OCCUPANCY SENSOR WIRING SHALL BE CONCEALED WITHIN CONDUIT WHERE EXPOSED. NO LOW VOLTAGE WIRING SHALL BE EXPOSED.</p> <p>3 ALL CONDUITS SHALL RUN AS TIGHT TO DECK AS PERMITTED BY CODE. CONDUITS SHALL BE RUN IN A NEAT MANNER. MAINTAIN THE SAME SPACING WHEN CONDUITS ARE RUN TOGETHER. CONCEAL JUNCTION BOXES OVER LAY-IN CEILING AND USE EMT DROPS DOWN TO CLOUDS. LOCATE CONDUIT DROPS TO CLOUDS AND CEILING ELEMENTS IN LEAST VISIBLE LOCATION. NO MC-CABLE TO LIGHT FIXTURES SHALL BE VISIBLE FROM ANY ANGLE.</p> <p>4 RECESS NEW DEVICES AND ASSOCIATED CONDUIT AND BACKBOX IN EXISTING WALL. CUT AND PATCH AS REQUIRED.</p>
AUDIOVISUAL		LIGHTING SYMBOLS		GENERAL NOTES - POWER
<p>TV WALL BACKBOX PROJECTOR (OUTLET WITHIN 1'6" OF PROJECTOR LOCATION) AV WALL STATION BOXES TECHNOLOGY OR TEACHER'S STATION BOXES MICROPHONE JACK CEILING BOX BLUETOOTH DEVICE ANTENNA PROJECTOR SCREEN LOUDSPEAKER CEILING MOUNTED LOUDSPEAKER WALL MOUNTED VOLUME CONTROL</p>	REFER TO TECHNOLOGY DRAWINGS, DETAILS AND PLANS FOR LOCATIONS AND ROUGH-IN DATA.	<p>S SINGLE POLE SWITCH S_{OS} OCCUPANCY SENSOR (SET TO VACANCY MODE) - SWITCH MOUNTED S_{LV} LOW VOLTAGE CONTROL SWITCH, REFER TO DETAIL S₃ THREE-WAY SWITCH S₄ FOUR-WAY SWITCH S_D DIMMER SWITCH (NON-SYSTEM TYPE) 0-10 ELV DIMMER S_P SWITCH AND PILOT LIGHT S_K KEY OPERATED, SINGLE POLE SWITCH S_{3K} KEY OPERATED, THREE-WAY SWITCH S_{4K} KEY OPERATED, FOUR-WAY SWITCH S_S DUAL SINGLE POLE SWITCH S_{3S} DUAL THREE-WAY SWITCH S_C OCCUPANCY SENSOR (SET TO VACANCY MODE) CEILING MOUNTED S_W OCCUPANCY SENSOR (SET TO VACANCY MODE) - WALL MOUNTED E EMERGENCY BATTERY UNIT L WALL MTD. LIGHT FIXTURE O DOWNLIGHT FIXTURE O_W DOWNLIGHT WALL WASH FIXTURE O_E DOWNLIGHT FIXTURE - EMERGENCY, SWITCHABLE R RECTANGULAR LIGHT FIXTURE R_E RECTANGULAR EMERGENCY LIGHT FIXTURE ON EMERGENCY POWER, SWITCHABLE E_X EXIT SIGN - CEILING MOUNTED E_W EXIT SIGN - WALL MOUNTED</p>	<p>40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40' 40'</p>	<p>1 ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR NEW WORK OR WHERE DEVICES ARE REMOVED AND NOT REPLACED.</p> <p>2 ELECTRICAL CONTRACTOR SHALL COORDINATE WITH G SERIES SHEETS DEVICE COORDINATION DETAIL. DEVICES ARE TO ALIGN VERTICALLY AND HORIZONTALLY AND FOLLOW THE RULES OF THIS DETAIL CONSISTENTLY. A PRE-INSTALL DEVICE COORDINATION MEETING FOR DEVICE FINISHES AND LAYOUT MAY BE REQUIRED IN THE SPECIFICATION FOR THIS PROJECT.</p> <p>3 PATCH ALL PENETRATIONS AS REQUIRED TO MAINTAIN FIRE RATING.</p> <p>4 REFER TO INTERIOR ELEVATIONS, SECTIONS, ARCHITECTURAL ELEVATIONS AND RELATED DRAWINGS FOR EXACT DEVICE LOCATIONS AND MOUNTING HEIGHTS. WHERE DEVICES ARE MOUNTED UNDER OR ABOVE TACK BOARDS, DOORS, WINDOWS, OR ANY PIECE OF EQUIPMENT, THE ELECTRICAL DEVICE SHALL BE CENTERED AS SHOWN. COORDINATE LOCATION OF FURNITURE CONNECTIONS AND/OR RECEPTACLES AND DATA RACKWAYS WITH APPROVED FURNITURE SHOP DRAWINGS, FINAL CONNECTIONS TO FURNITURE BY ELECTRICAL CONTRACTOR.</p> <p>5 ALL CONDUITS SHALL RUN AS NEAR TO DECK AS PERMITTED BY CODE. SOME CONDUITS WILL BE EXPOSED AND SHALL BE RUN IN A NEAT MANNER. MAINTAIN THE SAME SPACING WHEN CONDUITS ARE RUN TOGETHER. CONCEAL JUNCTION BOXES OVER LAY-IN CEILING AND USE EMT DROPS DOWN TO CLOUDS. LOCATE CONDUIT DROPS TO CLOUDS AND CEILING ELEMENTS IN LEAST VISIBLE LOCATION.</p> <p>6 WHEN CEILINGS ARE REMOVED ELECTRICAL CONTRACTOR SHALL PROPERLY SUPPORT ALL CONDUIT AND LOW VOLTAGE WIRING AS REQUIRED PER NEC.</p> <p>7 REMOVE CEILINGS AND GRID AS REQUIRED. REPLACE ANY DAMAGED CEILINGS.</p> <p>8 ALL FIRE ALARM PULL STATIONS TO HAVE PLASTIC COVERS WITH ALARM.</p> <p>9 ALL FIRE ALARM CABLING SHALL BE RUN IN CONDUIT. FIRE ALARM CABLING IS PERMITTED TO BE IN CABLE TRAY WITH SEPARATION FROM BUILDING AND COMMUNICATION CABLING.</p> <p>10 THE FIRE ALARM CONTRACTOR SHALL SUBMIT FINAL FIRE ALARM SHOP DRAWINGS AS A DELEGATED DESIGN SUBMITTAL TO THE AUTHORITY HAVING JURISDICTION</p> <p>11 FIRE ALARM DEVICES SHOWN ON PLANS ARE INDICATED TO ILLUSTRATE GENERAL DESIGN INTENT TO ASSIST THE CONTRACTOR IN SCOPING, PRICING, AND COORDINATION WITH OTHER SYSTEMS</p> <p>12 FIRE ALARM DEVICES SHOWN ARE NOT INTENDED TO REPRESENT A COMPLETE ENGINEERED FIRE ALARM DESIGN</p> <p>13 THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL NECESSARY DEVICES AND ACCESSORIES FOR A COMPLETE SYSTEM, COMPLIANT WITH APPLICABLE CODES AND JURISDICTIONAL REQUIREMENTS, EVEN IF SUCH DEVICES ARE NOT INDICATED IN THESE DOCUMENTS</p> <p>14 THE FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH MECHANICAL CONTRACTOR AND ALL OTHER TRADES NECESSARY FOR DOOR HOLDS, SMOKE DAMPERS, DUCT DETECTORS, FLOW / TAMPER SWITCHES AND ANY OTHER DEVICES</p> <p>15 NEW FIRE ALARM DEVICES ARE TO BE TIED INTO THE EXISTING FIRE ALARM SYSTEM</p> <p>16 THE FIRE ALARM CONTRACTOR SHALL RESPONSIBLE FOR FIELD VERIFYING EXISTING DEVICES AND CONDITIONS</p> <p>17 ALL LOW VOLTAGE CABLING SHALL BE RUN IN CONDUIT BETWEEN DEVICE AND CABLE TRAY OR TECHNOLOGY RACK. NO CABLING SHALL BE VISIBLE IN EXPOSED CEILING SPACES. EXPOSED CONDUIT SHALL BE PAINTED TO MATCH SURFACE IT IS SUPPORTED FROM. WIRING ROUTED IN ACCESSIBLE CEILING SPACES SHALL BE INDEPENDENTLY SUPPORTED WITH COMB HOOKS OR RINGS.</p> <p>18 CONNECT POWER TO ALL VAV, TERMINAL UNITS AND MISCELLANEOUS MECHANICAL DAMPERS AND VALVES PROVIDED WITH LOW VOLTAGE TRANSFORMERS. PROVIDE AT LEAST A CIRCUIT FOR EVERY 4 UNITS TO BE ON A TRANSFORMER, COORDINATE EXACT LOCATIONS AND TRANSFORMER QUANTITIES WITH BUILDING AUTOMATION SYSTEM AND MECHANICAL CONTRACTORS AND REFER TO MECHANICAL CONTROLS AND SEQUENCE OF OPERATIONS DETAIL. THESE ITEMS ARE NOT SHOWN ON ELECTRICAL DRAWINGS. DO NOT USE SPARE BREAKERS INDICATED IN PANEL SCHEDULES FOR THESE CIRCUITS, NOTIFY PANELBOARD MANUFACTURERS OF QUANTITIES OF THESE BREAKERS REQUIRED</p> <p>19 RECESS NEW DEVICES AND ASSOCIATED CONDUITS AND BACKBOX IN EXISTING WALLS WHERE POSSIBLE. CUT AND PATCH AS REQUIRED.</p> <p>20 PROVIDE FINAL CONNECTION TO ALL OWNER/CONTRACTOR PROVIDED EQUIPMENT. COORDINATE RECEPTACLE SIZES AND TYPE WITH EQUIPMENT, ADJUST CIRCUIT SIZE AS REQUIRED.</p>
SECURITY SYMBOLS		RECEPTACLE SYMBOLS		
<p>SECURITY CAMERA SECURITY CAMERA SECURITY CABLING PATHWAY ACCESS CONTROL PANEL RELEASE BUTTON INTERCOM MASTER STATION LOCKDOWN BUTTON DURESS ALARM PUSH BUTTON CARD READER CARD READER, MILLION MOUNT LOCKDOWN STROBE KEY PAD INTERCOM ACCESS CONTROL DETAIL INDICATOR. REFER TO ACCESS CONTROL DETAILS AND SCHEDULE</p>	REFER TO SECURITY DRAWINGS, DETAILS AND PLANS FOR LOCATIONS AND ROUGH-IN INFORMATION.	<p>DUPLEX RECEPTACLE DUPLEX RECEPTACLE - 4" ABOVE COUNTER BACKSPASH DUPLEX RECEPTACLE - WET LOCATION ENCLOSURE WITH GFI</p> <p>RECEPTACLES VARIATIONS - HEIGHT PER ABOVE UNLESS INDICATED ON DRAWINGS: DOUBLE DUPLEX RECEPTACLE DUPLEX RECEPTACLE - SURFACE MOUNTED #MM500 DUPLEX RECEPTACLE - EMERGENCY DUPLEX RECEPTACLE - WITH GFI DUPLEX RECEPTACLE - FOR ELECTRIC WATER COOLER, WITH GFI DUPLEX RECEPTACLE - WITH (2) USB OUTLETS BETWEEN POWER DUPLEX RECEPTACLE - HORIZONTAL MOUNTING DUPLEX RECEPTACLE - STACK ALIGNED BELOW DEVICE ABOVE (DEVICE ALIGNMENT IS NOT LIMITED TO THOSE LABELED, REFER TO ELECTRICAL DEVICE ALIGNMENT GUIDELINES)</p>	<p>16" 16" 16"</p>	
ELECTRICAL ABBREVIATIONS		FIRE ALARM SYMBOLS		
<p>(#) # INDICATES QUANTITIES (I.E. (4) 3" CONDUITS MEANS FOUR 3" DIAMETER CONDUITS)</p> <p>(E) EXISTING AFC ABOVE FINISHED CEILING AFCI ARC FAULT CIRCUIT INTERRUPTER AFF ABOVE FINISHED FLOOR AHJ AUTHORITY HAVING JURISDICTION AIC AMPERE INTERRUPTING CAPACITY AL ALUMINUM AWG AMERICAN WIRE GAUGE BAS BUILDING AUTOMATION SYSTEM BMS BUILDING MANAGEMENT SYSTEM C CONDUIT CT CURRENT TRANSFORMER CU COPPER DFA DROP FROM ABOVE DW DISHWASHER EM EMERGENCY ET ELECTRONIC TRIP EWC ELECTRIC WATER COOLER FDS FUSIBLE DISCONNECT SWITCH GAP GENERATOR ANNUNCIATOR PANEL GD GARBAGE DISPOSAL GEC GROUNDING ELECTRODE CONDUCTOR GFCI GROUND FAULT CIRCUIT INTERRUPTER, 5mA GFP GROUND FAULT PROTECTION OF EQUIPMENT, 30mA GND GROUND IAM IN ACCORDANCE WITH IC INSULATION CONTACT IDF INTERMEDIATE DISTRIBUTION FRAME JB JUNCTION BOX KMIL THOUSANDS OF CIRCULAR MILS LCP LIGHTING CONTROL PANEL MDF MAIN DISTRIBUTION FRAME NFDS NON-FUSIBLE DISCONNECT SWITCH NIC NOT IN CONTRACT NL NIGHT LIGHT NTS NOT TO SCALE OC ON CENTER PB PULL BOX REF REFRIGERATOR RT RAINTIGHT SPD SURGE PROTECTIVE DEVICE TR TAMPER RESISTANT TIB TELECOMMUNICATIONS TERMINAL BOARD TX TRANSFORMER TYP TYPICAL ULSE UL SERVICE ENTRANCE RATED UNLESS OTHERWISE NOTED WP WEATHERPROOF</p>		<p>FIRE ALARM MANUAL PULL STATION FIRE ALARM AUDIOVISUAL ALARM, WALL MTD. FIRE ALARM - VISUAL ALARM FIRE ALARM AUDIOVISUAL ALARM, CEILING MTD. FIRE ALARM - VISUAL ALARM, CEILING MTD.</p>	<p>40' 80' 80' 80'</p>	
GENERAL NOTE - ELECTRICAL - DEMOLITION		GENERAL NOTES - POWER		
<p>1 FIXTURES, DEVICES AND EQUIPMENT SHOWN DASHED OR WITH AN "X" ARE TO BE REMOVED. FIXTURES, DEVICES AND EQUIPMENT SHOWN LIGHTLY OR WITH AN "E" ARE EXISTING TO REMAIN UNDISTURBED.</p> <p>2 DEVICES SHOWN WITH AN "R" ARE EXISTING TO BE REPLACED WITH NEW DEVICE AND COVERPLATE. REUSE EXISTING CODE COMPLIANT WIRING.</p> <p>3 REMOVE ALL LIGHT FIXTURES, DEVICES, WIRING AND EXPOSED CONDUIT FROM WALL AND CEILINGS TO BE DEMOLISHED. COORDINATE WITH ARCHITECTURAL. REMOVE ABANDONED EXPOSED CONDUIT AND ABANDONED WIRING BACK TO SOURCE. RE-LABEL CIRCUIT BREAKER AS A SPARE.</p> <p>4 TEMPORARILY SUPPORT EXISTING CEILING DEVICES TO REMAIN IN EXISTING CEILINGS TO BE REPLACED. REINSTALL DEVICES INTO NEW CEILING.</p> <p>5 CONTRACTOR SHALL BE RESPONSIBLE FOR PROJECT PHASING. TEMPORARY POWER, EGRESS LIGHTING, EXIT SIGNAGE, PULL STATIONS AND BATTERY BACKUP LIGHTING SHALL BE PROVIDED AS REQUIRED WHILE BUILDING IS OCCUPIED BETWEEN PHASES OF CONSTRUCTION.</p> <p>6 PATCH AND REPAIR ANY MATERIALS TO MATCH ADJACENT FOR ANY EQUIPMENT OR LIGHT FIXTURES REMOVED OR MATERIALS DAMAGED IN REMOVAL.</p>		<p>DUPLEX RECEPTACLE DUPLEX RECEPTACLE - 4" ABOVE COUNTER BACKSPASH DUPLEX RECEPTACLE - WET LOCATION ENCLOSURE WITH GFI</p>	<p>16" 16" 16"</p>	



FIRST FLOOR ELECTRICAL DEMOLITION PLAN
 1/4" = 1'-0"



FIRST FLOOR POWER PLAN
 1/4" = 1'-0"



FIRST FLOOR LIGHTING PLAN
 1/4" = 1'-0"

LIGHT FIXTURE SCHEDULE

TYPE	SERIES	DESCRIPTION	MOUNTING	CEILING TYPE	DRIVER	WATTS	MANUFACTURER	NOTES
CA	CA	RECESSED DOWNLIGHT	RECESSED	GYP DRYWALL	0-10V	47 VA	GOTHAM #EVC6-4030-AR-ND-LSB-277-6210	
X1	X1	EXIT SIGN - EDGE LT	SURFACE	ACOUSTIC GRID		5 VA	EVENLITE #50V-AC-R-(FACES)M-CC-(MOUNT)-A(ARROW)	1, 2

- 1 ALL LED FIXTURES TO HAVE WARRANTY TO MEET OR EXCEED WARRANTY INCLUDED IN BASIS OF DESIGN. FIXTURES LISTED AS EQUALS SHALL MEET DELIVERED LUMENS, CRI, EFFICACY AND OPTIONS OF THAT SPECIFIED. REFER TO SPECIFICATIONS 265100 AND 265600 FOR ADDITIONAL REQUIREMENTS.
- 2 THE MOUNTING DESCRIPTION IS GENERAL. REFER TO SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC MOUNTING DETAILS.
- 3 FIXTURES WITH THE CENTER CIRCLE SHADED SHALL BE CONNECTED TO EMERGENCY POWER. FIXTURES WITH CENTER CIRCLE SHADED THAT ARE SWITCHED SHALL BE PROVIDED WITH UL924 ELD (EMERGENCY LIGHTING DEVICE). FOR INDIVIDUAL FIXTURES DEVICE SHALL BE MOUNTED INTERNAL TO THE FIXTURE. PROVIDE LABEL ON INSIDE OF FIXTURE INDICATING FED FROM MULTIPLE CIRCUITS. WHERE DEVICE CANNOT BE MOUNTED INSIDE OF FIXTURE, MOUNT ADJACENT TO FIXTURE IN ACCESSIBLE CEILING SPACE.

ISSUED FOR DATE

PROJECT TITLE
 CENTRAL HIGH SCHOOL - BID PACKAGE 2:
 DISTRICT WIDE ACCESS CONTROL

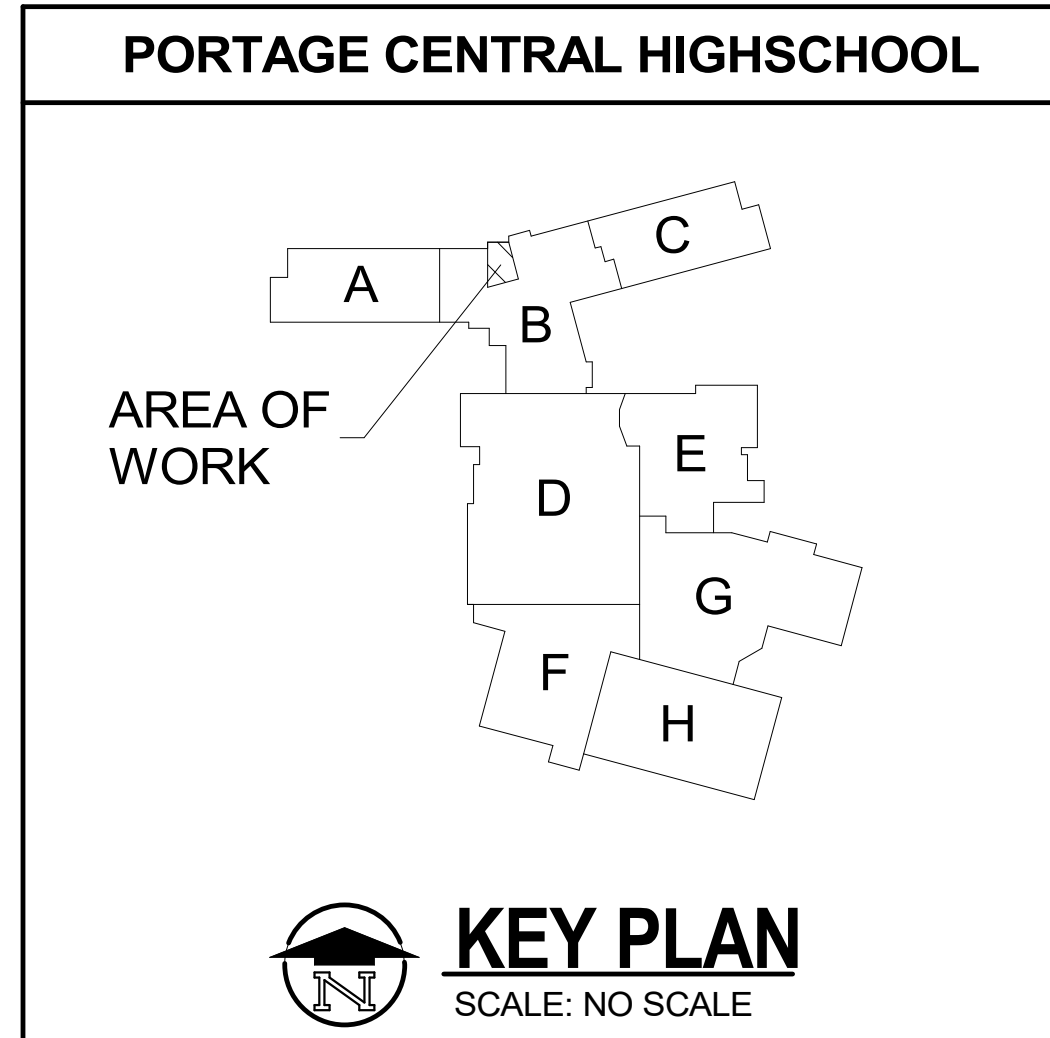
OWNER
 PORTAGE PUBLIC SCHOOLS

Portage, Michigan

SHEET TITLE
 FIRST FLOOR PLAN

DATE
 FEBRUARY 16, 2024

SHEET NUMBER
 E 101
 23-214-10



KEY PLAN
 SCALE: NO SCALE