

SYMBOLS LEGEND

BACKER ROD AND SEALANT		DETAIL MARK / DRAWING NO.	
BATT INSULATION		DOOR TAG	
COMPACTED GRANULAR FILL		ELEVATION / SHEET NO.	
CONCRETE		FLOOR ELEVATION	
CONCRETE BLOCK (CMU)		GRID LINES	
EARTH		REVISION CLOUD/NUMBER	
FACE BRICK		ROOM	
FINISHED WOOD		ROOM NAME / NUMBER	
GYPSUM BOARD		SECTION MARK / DRAWING NO.	
PLYWOOD		SPOT ELEVATION	
RIGID INSULATION		WALL TYPE	
STEEL		WINDOWS OR FRAMES TAG	
WOOD BLOCKING OR FRAMING			

PERMIT & CONSTRUCTION DOCUMENTS ISSUANCE
02 MARCH 2026

JASPER COUNTY CONSERVATION ENVIRONMENTAL EDUCATION CENTER CURT JACKSON CLASS & BASEMENT RENOVATION

5284 LIBERTY AVENUE; NEWTON, IOWA 50208

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ABBREVIATIONS

A	ABOVE FINISH FLOOR ACUSTICAL CEILING TILE ADJUSTABLE AND ANGLE APPROXIMATE ARCHITECTURAL	F	FACTORY FINISH FINISH FIRE EXTINGUISHER CABINET FIRE HOSE CABINET FIRE HYDRANT FLOOR FLOOR DRAIN FLUORESCENT FACE OF FOOT OR FEET FOOTING FOUNDATION	N	NATURAL FINISH NOMINAL NORTH NOT IN CONTRACT NOT TO SCALE NUMBER	T	TACKBOARD TELEPHONE TELEVISION TEMPERED TEMPERED GLASS TERAZZO THICK THRESHOLD TONGUE AND GROOVE TOP AND BOTTOM TOP OF TRANSPARENT FINISH TREAD TYPE & TYPICAL
B	BLOCKING BOARD BOTTOM OF BRICK BUILDING	G	GAGE GALVANIZED GLASS GROUT GYPSUM BOARD GYPSUM WALL BOARD	O	OFFICE ON CENTER OPENING OUTSIDE DIAMETER OVERALL	U	UNLESS NOTED OTHERWISE URNAL
C	CABINET CABINET UNIT HEATER CARPET CAST IRON CATCH BASIN CELLING CENTER LINE CERAMIC TILE CLEAR CLOSET COLUMN CONCRETE CONCRETE MASONRY UNIT CONTINUOUS CONTROL JOINT CORRIDOR COUNTER COVERED VINYL BASE	H	HARDWARE HARDWOOD HEIGHT HOLLOW METAL HORIZONTAL HOSE BIB HOUR	P	PAINT PAR PANEL PARTITION PLASTER PLASTIC LAMINATE PLATE PLYWOOD POLYVINYL CHLORIDE POUND PRECAST	V	VERTICAL VESTIBULE VINYL VINYL COMPOSITION TILE VINYL TILE VINYL WALL COVERING
D	DEPARTMENT DETAIL DIAMETER DIMENSION DISPENSER DOUBLE DOWN DOWNSPOUT DRAWER DRAWING DRINKING FOUNTAIN	I	INSIDE DIAMETER INSULATION INTERIOR	Q	QUARRY TILE	W	WATER CLOSET WATER RESISTANT WATERPROOF WEIGHT WELODED WIRE FABRIC WEST WITH WITHOUT WOOD WOOD FURRING
E	EACH EACH WAY EAST ELECTRIC WATER COOLER ELECTRICAL ELECTRICAL PANEL ELEVATION EMERGENCY ENCLOSURE ENTRY MAT EPOXY EQUAL EQUIPMENT EXISTING EXPANSION EXPANSION JOINT EXTERIOR	J	JANITOR JOINT	P	PAINT PAR PANEL PARTITION PLASTER PLASTIC LAMINATE PLATE PLYWOOD POLYVINYL CHLORIDE POUND PRECAST	S	SCHEDULE SECTION SERVICE SINK SHEET SHEET METAL SHOWER SQUARE SQUARE FOOT STAINED STAINLESS STEEL STANDARD STEEL JOIST STRAIGHT VINYL BASE STORAGE STRUCTURAL SUSPENDED
M	MANHOLE MANUFACTURER MARBLE MARKER BOARD MASONRY OPENING MAXIMUM MECHANICAL MEMBRANE METAL MINIMUM MISCELLANEOUS MOUNTED MULLION	L	LABORATORY LAVATORY LIGHT LOUVER	S	SCHEDULE SECTION SERVICE SINK SHEET SHEET METAL SHOWER SQUARE SQUARE FOOT STAINED STAINLESS STEEL STANDARD STEEL JOIST STRAIGHT VINYL BASE STORAGE STRUCTURAL SUSPENDED		

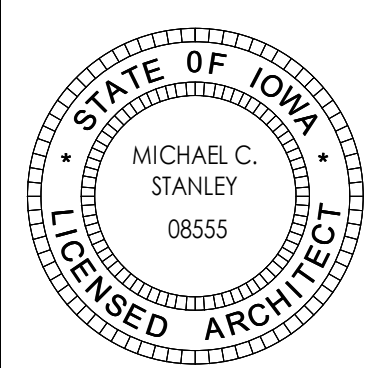


CERTIFICATIONS

I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.

MICHAEL C. STANLEY
PRINTED OR TYPED NAME

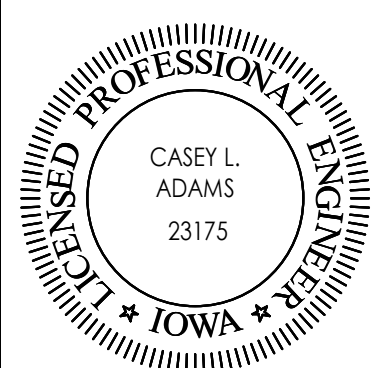
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02 MARCH 2026
JUNE 30, 2027
LISCENSE RENEWAL DATE
'G & A' SHEETS
PAGES OR SHEETS COVERED BY THIS SEAL



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CASEY L. ADAMS
PRINTED OR TYPED NAME

SIGNATURE & DATE
02 MARCH 2026
DECEMBER 31, 2027
LISCENSE RENEWAL DATE
'M, E & P' SHEETS
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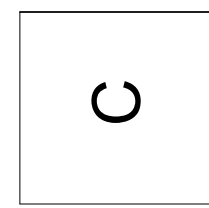


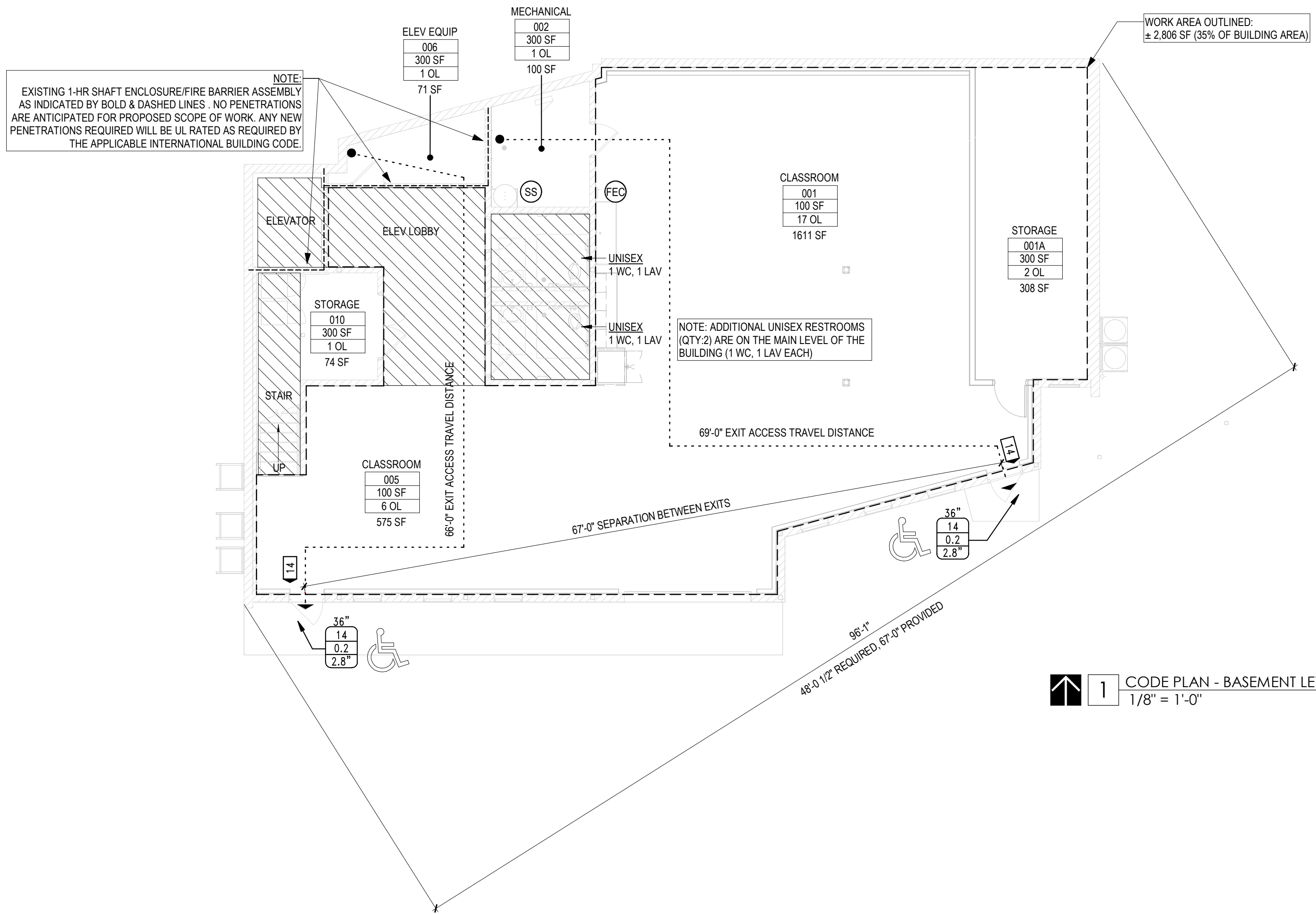
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JASPER COUNTY CONSERVATION ENVIRONMENTAL EDUCATION CENTER - CURT JACKSON CLASSROOM & BASEMENT RENOVATION
5284 LIBERTY AVENUE; NEWTON, IOWA 50208

STUDIO MELEE
139 4TH STREET
WEST DES MOINES, IOWA 50265

PRINT DATE: 2026-03-02
SHEET NAME: COVER





MINIMUM PLUMBING FACILITIES (2015 IPC TABLE 403.1)

FIXTURE COUNT:

B (109 OCCUPANTS)

UNISEX (109 OCC)	LAV	WC	DF
	2,363	3,180	1,090

S-2 (7 OCCUPANTS)

UNISEX (7 OCC)	LAV	WC	DF
	0,070	0,070	0,007

+ 1 SERVICE SINK

FIXTURES REQUIRED (TOTAL):

UNISEX	LAV	WC/UR	DF	SS
	2,433	3,25	1,097	1

FIXTURES PROVIDED (TOTAL):

UNISEX	LAV	WC/UR	DF	SS
	4	4	2	1

* EXISTING MAIN LEVEL DRINKING FOUNTAIN IS A B-LEVEL ADA UNIT WITH BOTTLE FILLER STATION

GROUP 'B' (BUSINESS):
 WATER CLOSETS = 1.25 < 50, 1.50 > 50
 LAVATORIES = 1.40 < 80, 1.80 > 80
 DRINKING FOUNTAIN = 1:100
 SERVICE SINK = 1

GROUP 'S-2' (STORAGE/MECHANICAL):
 WATER CLOSETS = 1:100
 LAVATORIES = 1:100
 DRINKING FOUNTAIN = 1:1000
 SERVICE SINK = 1

ABBREVIATIONS / OCCUPANT LOAD FACTOR / TRAVEL DISTANCE:

SF	SQUARE FEET
OCC	OCCUPANTS
OL	OCCUPANT LOAD (FOR EXITING)
LAV	LAVATORY
WC	WATER CLOSET (ACCESSIBLE)

BUSINESS AREAS	100 SF/OCC GROSS
STORAGE/MECH/JANITOR	300 SF/OCC GROSS
RESTROOMS	N/A
CIRCULATION	N/A

EXIT ACCESS TRAVEL DISTANCE	=	200'-0" (W/O SPRINKLER)
COMMON PATH OF TRAVEL DISTANCE	=	75'-0" (W/O SPRINKLER)

1 CODE PLAN - BASEMENT LEVEL
1/8" = 1'-0"

NON-STRUCTURAL ARCHITECTURAL CODE ANALYSIS:

- APPLICABLE BUILDING CODES:**
- CITY OF NEWTON & STATE OF IOWA ADOPTED CODES:**
- 2015 INTERNATIONAL BUILDING CODE
 - 2015 INTERNATIONAL FIRE CODE
 - 2015 INTERNATIONAL ENERGY CONSERVATION CODE
 - ACCESSIBILITY:
 - 2009 ICC/ANSI 117.1
 - 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
 - 2015 INTERNATIONAL MECHANICAL CODE
 - 2020 NATIONAL ELECTRICAL CODE
 - 2015 INTERNATIONAL PLUMBING CODE

BUILDING INFORMATION & CRITERIA:

PROJECT NAME & ADDRESS:
 JASPER COUNTY ENVIRONMENTAL EDUCATION CENTER - BASEMENT RENOVATION
 5824 LIBERTY AVENUE, NEWTON, IOWA 50208

PROJECT DESCRIPTION:
 FINISH BASEMENT LEVEL OF EXISTING 2-STORY ENVIRONMENTAL EDUCATION CENTER, INCLUDING CHANGE OF OCCUPANCY FOR THE BASEMENT SPACE. REMOVAL/REINSTALLATION OR EXTENSION OF MEP SYSTEMS, NEW FINISHES, AND THE ADDITION OF A LOW HAZARD STORAGE ROOM & ASSOCIATED DOOR/FRAME.

BUILDING OCCUPANCY USE:

- GROUP B (OFFICE & ACADEMIC PROGRAM)
- GROUP S-2 (LOW-HAZARD STORAGE)

CONSTRUCTION TYPE:

- TYPE-VB (COMBUSTIBLE CONSTRUCTION)

STORIES & HEIGHT:

- 2-STORIES (2-STORIES ALLOWED)
- 32'-4" ± T.O. ROOF RIDGE FROM GRADE (40'-0" ALLOWED)

WORK AREA:

- 2,806 SF (35% OF BUILDING AREA) (BASEMENT LEVEL)

SPRINKLER SYSTEM:

- NONE

IBC CH. 6 CLASSIFICATION OF WORK:

- 603 - ALTERATION - LEVEL 2:**
- 603.1 SCOPE
 LEVEL 2 ALTERATIONS INCLUDE THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT, AND SHALL APPLY WHEN THE WORK AREA IS EQUAL TO OR LESS THAN 5% PERCENT OF THE BUILDING AREA.
 - 603.2 APPLICATION
 LEVEL 2 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTERS 7 FOR LEVEL 1 ALTERATIONS AS WELL AS THE PROVISIONS OF CHAPTER 8.

IBC CH. 3 OCCUPANCY CLASSIFICATION AND USE:

- 303.1.2 - SMALL ASSEMBLY SPACES:**
 THE FOLLOWING ROOMS AND SPACES SHALL NOT BE CLASSIFIED AS ASSEMBLY OCCUPANCIES:
- A ROOM OR SPACE USED FOR ASSEMBLY PURPOSES WITH AN OCCUPANT LOAD OF LESS THAN 50 PERSONS AND ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS GROUP B OCCUPANCY OR AS PART OF THAT OCCUPANCY.

304 BUSINESS GROUP 'B':

- ACADEMIC PROGRAM NOT IN A SCHOOL

311.2 STORAGE GROUP 'S-1':

- MODERATE-HAZARD STORAGE - BUSINESS PAPER & SUPPLIES STORAGE

311.1 ACCESSORY STORAGE SPACES:
 A ROOM OR SPACE USED FOR STORAGE PURPOSES THAT IS ACCESSORY TO ANOTHER OCCUPANCY SHALL BE CLASSIFIED AS PART OF THAT OCCUPANCY.

IBC CH.5 GENERAL BUILDING HEIGHTS AND AREAS:

- 508.3.1 OCCUPANCY CLASSIFICATION:**
 NONSEPARATED OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE WITH SECTION 302.1. THE REQUIREMENTS OF THIS CODE SHALL APPLY TO EACH PORTION OF THE BUILDING BASED ON THE OCCUPANCY CLASSIFICATION OF THAT SPACE. IN ADDITION, THE MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 THAT APPLY TO THE NONSEPARATED OCCUPANCIES SHALL APPLY TO THE TOTAL NONSEPARATED OCCUPANCY AREA.

IBC CH.6 TYPES OF CONSTRUCTION:

TABLE 601 TYPE 'V-B':

STRUCTURAL FRAME:	0-HOUR
BEARING WALLS:	0-HOUR
EXTERIOR:	0-HOUR
INTERIOR:	0-HOUR
NON-BEARING WALLS & PARTITIONS:	0-HOUR
EXTERIOR (TABLE 602):	0-HOUR
OCC 'B':	x > 30' (TYPICAL)
INTERIOR:	0-HOUR
FLOOR CONSTRUCTION:	0-HOUR
ROOF CONSTRUCTION:	0-HOUR

IBC CH.7 FIRE & SMOKE PROTECTION:

- 718 CONCEALED SPACES:**
- 718.2 FIREBLOCKING:**
- FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF DRAFT OPENINGS (HORIZ. & VERT.) AND FORM EFFECTIVE BARRIER BETWEEN FLOORS, BETWEEN A TOP STORY, AND A ROOF OR ATTIC SPACE. ALSO REQ'D IN LOCATION PER 718.2.2 - 718.2.7.

IBC CH.8 INTERIOR FINISHES:

- 803.1.2 INTERIOR WALL & CEILING FINISHES: ASTM E84 & UL 723:**
- CLASS A: FLAME INDEX 0 - 25; SMOKE INDEX 0 - 450
 - CLASS B: FLAME INDEX 26 - 75; SMOKE INDEX 0 - 450
 - CLASS C: FLAME INDEX 76 - 200; SMOKE INDEX 0 - 450

803.4 FOAM PLASTICS:

- FOAM PLASTICS SHALL NOT BE USED AS INTERIOR FINISH.

TABLE 803.11 FINISH REQUIREMENTS BASED ON OCCUPANCY:

GROUP 'B', SRINKLED:

INT. EXIT STAIRWAYS, RAMPS & EXIT: CLASS A
 CORRIDORS & EXIT ENCLOSURES: CLASS B
 ROOMS & ENCLOSED SPACES: CLASS C

804.4 INTERIOR FLOOR FINISH:

- 804.4.1: INTERIOR MATERIALS SHALL COMPLY W/ REQUIREMENTS DOC FF-1 "PILL TEST" OR ASTM D2869.

806 DECORATIVE MATERIALS AND TRIM:

806.3 COMBUSTIBLE DECORATIVE MATERIALS:
 SHALL NOT EXCEED 10% OF SPECIFIC WALL OR CEILING AREA.
EXCEPTION 4: 10% LIMIT SHALL NOT APPLY TO CURTAINS, DRAPERIES, FABRIC HANGINGS, AND SIMILAR COMBUSTIBLE DECORATIVE MATERIALS USED AS WINDOW COVERINGS.

806.8 INTERIOR FLOOR-WALL BASE:

- INTERIOR FLOOR-WALL BASE THAT IS 6" OR LESS IN HEIGHT SHALL BE TESTED IN ACCORDANCE WITH SECTION 804.2 AND SHALL BE NOT LESS THAN CLASS II, WHERE CLASS I FLOOR FINISH IS REQUIRED, THE FLOOR-WALL BASE SHALL BE CLASS I.

808 ACOUSTICAL CEILING SYSTEMS:

808.1.1 SUSPENDED ACOUSTICAL CEILING:
 SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C635 AND ASTM C636.

IBC CH.9 FIRE PROTECTION SYSTEMS:

906 PORTABLE FIRE EXTINGUISHERS:

906.1 WHERE PORTABLE FIRE EXTINGUISHERS REQ'D:

- 1. IN GROUP 'B':
 - 4. ON EACH FLOOR UNDER CONSTRUCTION.
 - 5. WHERE REQUIRED BY IFC, TABLE 906.1.
 - 6. SPECIAL HAZARD AREAS.

TABLE 906.3(1) PORTABLE FIRE EXTINGUISHERS:

- 75' TRAVEL DISTANCE REQ'D (LOW HAZARD).
- 2-A MIN. RATED EXTINGUISHER

907 FIRE ALARM AND DETECTION SYSTEMS:

907.2.2 GROUP 'B': FIRE ALARM REQUIRED IF:

- COMBINED OCCUPANCY LOAD > 500
- OCCUPANCY > 100 ON FLOORS ABOVE/BELOW GRADE.
- FIRE AREA CONTAINS AN AMBULATORY CARE FACILITY.

*** FIRE ALARM CONDITIONS NOT TRIGGERED ***

IBC CH.10 MEANS OF EGRESS:

1004 OCCUPANT LOAD:

TABLE 1004.1.2 MAXIMUM FLOOR AREA PER OCCUPANT:
 - SEE OCCUPANT LOAD FACTORS SCHEDULE.

1005 MEANS OF EGRESS SIZING:

1005.3 MIN. EGRESS WIDTHS: (SEE PLANS)

- 1005.3.1 STAIRWAYS: 0.3"/OCC.
- 1005.3.2 OTHER COMPONENTS: 0.2"/OCC.

1006 NUMBER OF EXITS AND EXIT ACCESS DOORWAYS:

TABLE 1006.2.1 SPACES W/ ONE EXIT OR ONE EXIT DOOR:

OCC.	MAX. OCC. LOAD	MAX COMMON PATH
'B'	49	75'

TWO EXIT PROVIDED FROM 'B' OCCUPANCIES, SEE PLANS

TABLE 1006.3.1 MIN. NUMBER OF EXITS:

1-500 OCCUPANTS: 2 EXITS REQUIRED
 EXITS PROVIDED: 2 EXITS PROVIDED

1007 EXIT AND EXIT ACCESS DOORWAY CONFIGURATION:

1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS:
 - SHALL BE PLACED GREATER THAN ONE-HALF THE OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA SERVED.

IN-COMPLIANCE, SEE PLANS

1009 ACCESSIBLE MEANS OF EGRESS:

- AT MINIMUM, ONE ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED FROM EACH OCCUPANCY / AREA.

1010 DOORS, GATES, AND TURNSTILES:

1010.1.1 SIZE OF DOORS: 32" MINIMUM, REQ'D 36" PROVIDED

1017 EXIT ACCESS TRAVEL DISTANCE:

TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE:
 - GROUP B, NON-SPRINKLED: 200'

1020 CORRIDORS:

TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING:
 GROUP 'B', NON-SPRINKLED: 0-HR

TABLE 1020.2 MINIMUM CORRIDOR WIDTH:

- 44", MIN. ANY FACILITY
- 24", MIN. MECH. ELEC. & PLUMB. ACCESS
- 36", MIN. OCCUPANT LOAD < 50

IBC CH.11 ACCESSIBILITY:

1103 SCOPING REQUIREMENTS:

1103.1 WHERE REQUIRED:
 - SITES, BUILDINGS, STRUCTURES, FACILITIES, ELEMENTS AND SPACES, TEMPORARY, OR PERMANENT SHALL BE ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES.

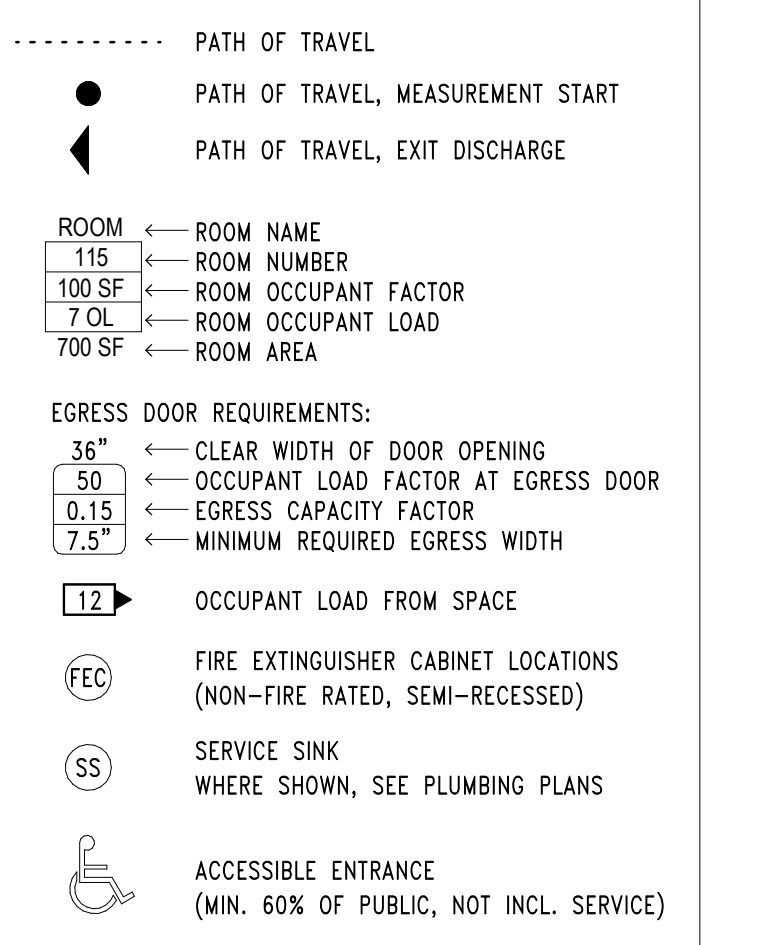
1104 ACCESSIBLE ROUTE:

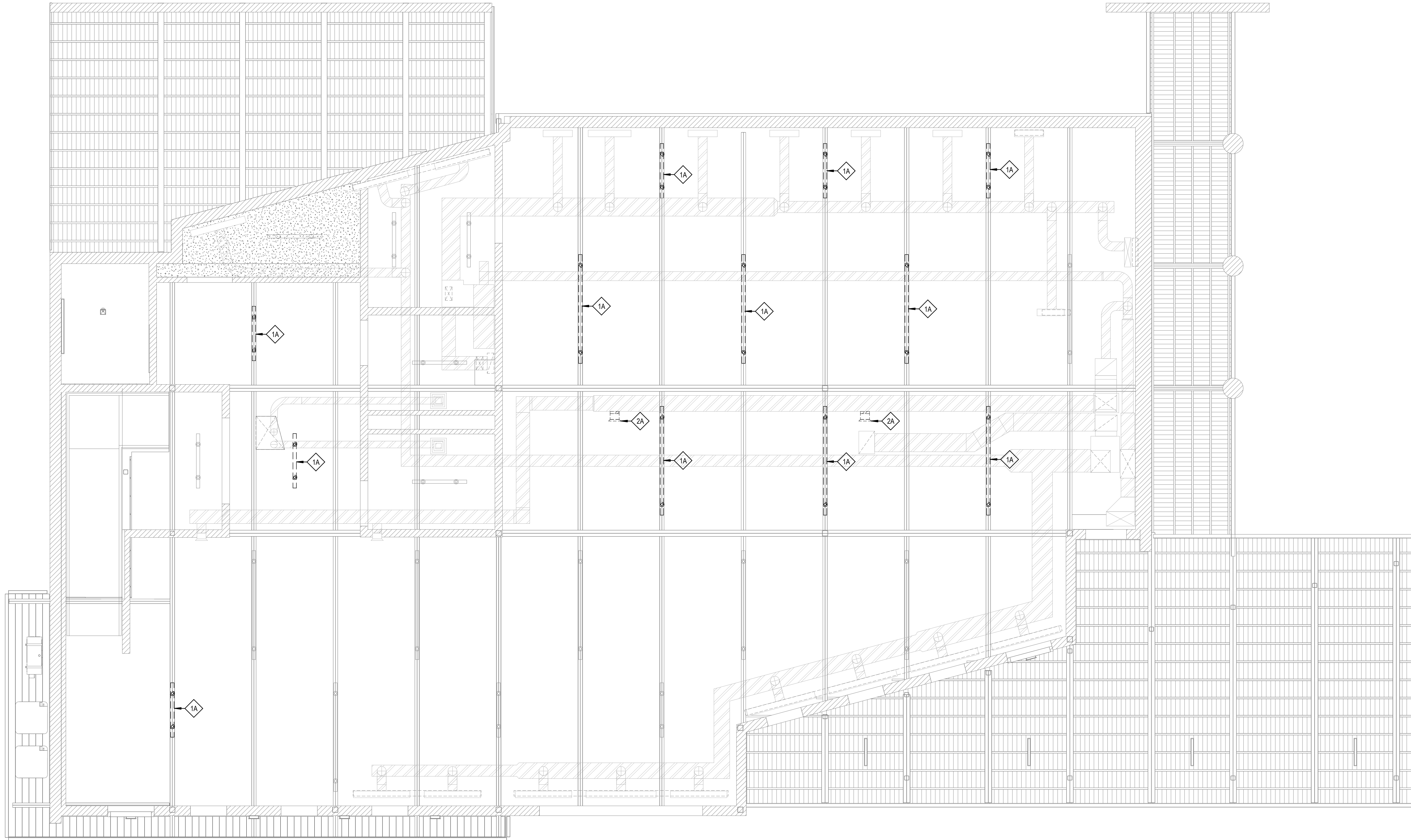
1104.1 SITE ARRIVAL POINTS:
 - AT LEAST ONE ACCESSIBLE ROUTE WITHIN THE SITE SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING, ACCESSIBLE PASSENGER LOADING ZONES, AND PUBLIC STREETS OR SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE SERVED.

1105 ACCESSIBLE ENTRANCES:

1105.1 PUBLIC ENTRANCES:
 - AT LEAST 60% OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE V/D

SYMBOL LEGEND - CODE:





GENERAL NOTES - DEMO PLANS:

- PLAN LAYOUT, LOCATIONS OF DEVICES, SIZE OF COMPONENTS, HEIGHTS, SECTIONS AND DETAILS WERE DERIVED FROM RECORD DRAWINGS OF THE PREVIOUS ARCHITECT AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
- BOLD & DASHED LINES INDICATE ITEMS TO BE REMOVED UNLESS NOTED OTHERWISE. PATCH AND REPAIR ALL ADJACENT SURFACES TO MATCH EXISTING SURFACES AT REMOVED ITEMS. SEE NEW PLANS FOR ADDITIONAL INFORMATION.
- WHERE PATCHING IS REQUIRED, WALL, FLOOR, CEILING OR OTHER SURFACE INFILL SHALL BE FINISHED TO MATCH ADJACENT EXISTING SURFACES. CONTRACTOR SHALL BLEND NEW WALL TEXTURES INTO EXISTING WALL TEXTURES TO RESULT IN A UNIFORM FINISH/APPEARANCE AND, AS REQUIRED, REPAIR THE ENTIRE WALL FIELD TO RESULT IN A CONSISTENT FINISH. SEE ROOM FINISH SCHEDULE.
- CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH NEW WORK, INCLUDING COORDINATION WITH ALL MECHANICAL, ELECTRICAL AND PLUMBING TRADES. CONTRACTOR SHALL COORDINATE WITH THE SHEETS OF ALL OTHER DISCIPLINES INCLUDING DESIGN/BUILD DOCUMENTS. ADDITIONAL DEMOLITION SCOPE MAY BE SHOWN ON OTHER DRAWINGS WITHIN THESE CONSTRUCTION DOCUMENTS.
- ALL WALLS, DOORS, FRAMES, FLOOR COVERINGS, AND OTHER ITEMS OR SURFACES NOT SHOWN TO BE "REMOVED," "REMOVED AND SALVAGED," OR "REMOVED AND RE-INSTALLED," SHALL BE CONSIDERED "TO REMAIN." CONTRACTOR SHALL PROTECT ALL SURFACES SHOWN "TO REMAIN" THROUGHOUT DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL REPAIR AND REPLACE ALL DAMAGED MATERIALS, ITEMS, SURFACES & COMPONENTS NOT SHOWN TO BE REMOVED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING ANY AND ALL NECESSARY OPENINGS TO THE BUILDING. REQUIRED TO REMOVE EXISTING AND/OR BRING IN NEW STRUCTURING, EQUIPMENT, FINISHES, AND THE LIKE. ALL OPENINGS SHALL BE PATCHED AND FINISHED WITH MATERIALS TO MATCH THE PRE-EXISTING CONDITIONS. ALL ABANDONED WALL BOXES/CAVITIES FROM DEMOLISHED FIXTURES & DEVICES SHALL BE PATCHED AS NOTED ON THE NEW FLOOR PLANS. WHERE NO PATCH WORK IS INDICATED, THE REMAINING OPENINGS SHALL RECEIVE STAINLESS STEEL METAL "BLANK" PLATES OR COVERS. WHERE CUSTOM SIZED METAL FABRICATIONS ARE REQUIRED TO COVER CAVITIES, PROVIDE A MINIMUM 1/8" GAUGE MATERIAL WITH HEMMED EDGES. WHERE OPENINGS LARGER THAN 16", PROVIDE ADDITIONAL METAL STUD FRAMING SUPPORTS @ 12" O.C. AS REQUIRED.
- DUST AND FUME CONTROL/CONTAINMENT MEASURES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. DUST AND FUMES SHALL NOT BE ALLOWED TO FILTER INTO ADJACENT OCCUPIED SPACES OR EXISTING MECHANICAL EQUIPMENT. CONTRACTOR SHALL PROVIDE DOUBLE FILTERS AT ALL RETURN GRILLES WITHIN EACH AREA UNDER DEMOLITION OR CONSTRUCTION. TYPICAL TEMPORARY DUST PARTITIONS WILL NEED TO BE REMOVED AND RELOCATED TO ACCOMMODATE THE WORK FOR EACH PHASE OF THE PROJECT. IF CONSTRUCTION DUST IS FOUND WITHIN AN OCCUPIED AREA, THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING ALL EFFECTED AREAS AND EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. SEE SPECIFICATION. CONTRACTOR SHALL PROVIDE AND INSTALL DUST-CONTROL ADHESIVE-SURFACE WALK-OFF MATS, AS REQUIRED, TO PROTECT EXISTING FLOOR FINISHES THAT ARE SHOWN TO REMAIN.
- CONTRACTOR SHALL PROVIDE DUST-CONTROL ADHESIVE-SURFACE WALK-OFF MATS, AS REQUIRED, TO PROTECT EXISTING FLOOR FINISHES THAT ARE SHOWN TO REMAIN. ADHESIVE-SURFACE LAYERS TO BE CHANGED OUT REGULARLY SO TO MAINTAIN A STICKY SURFACE.

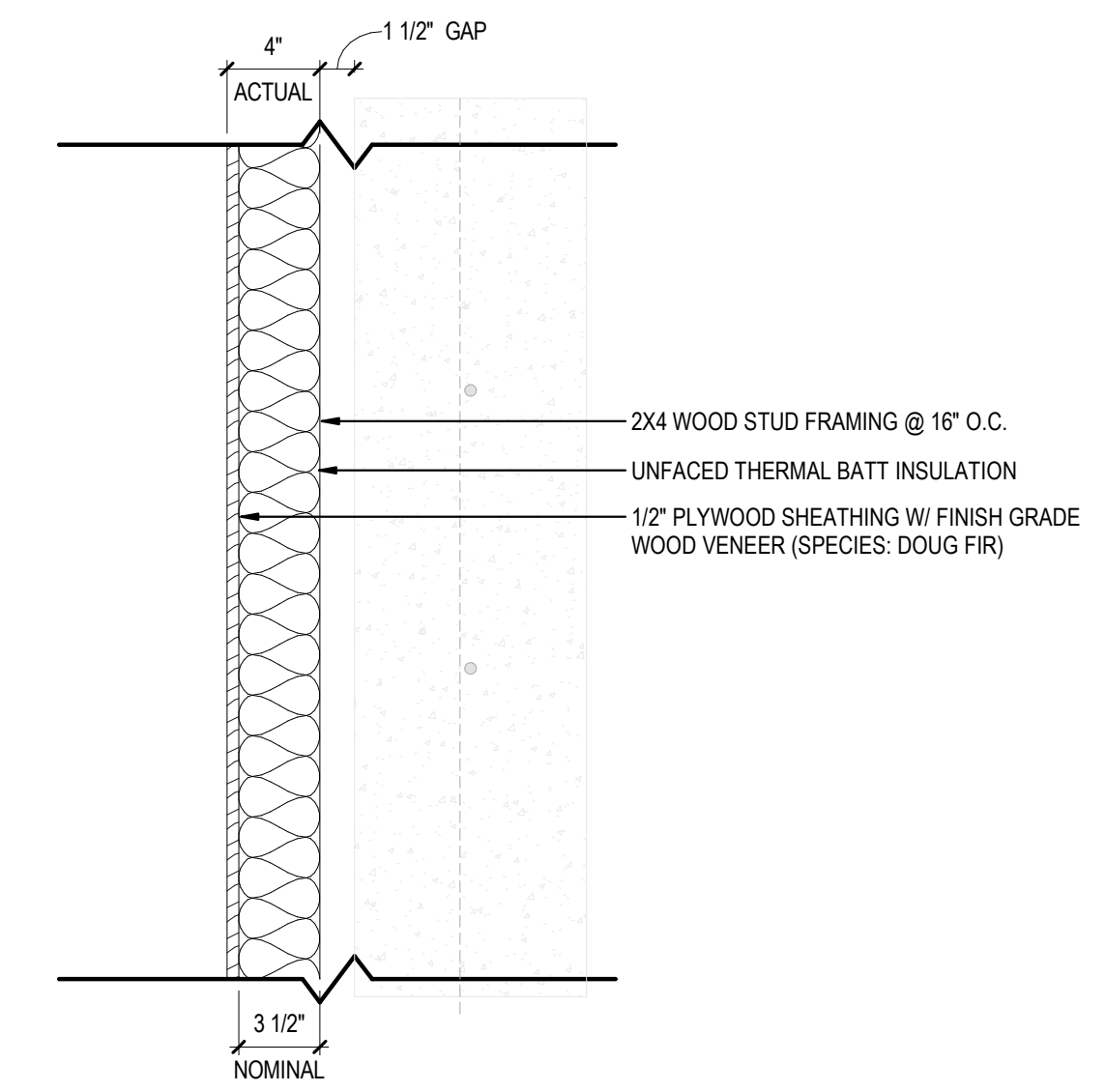
DEMOLITION DEFINITIONS:

- "REMOVE": DETACH ITEMS FROM EXISTING CONSTRUCTION AND LEGALLY DISPOSE OF THEM OFF-SITE UNLESS INDICATED TO BE REMOVED AND SALVAGED OR REMOVED AND RE-INSTALLED.
- "REMOVE AND SALVAGE": CAREFULLY DETACH FROM EXISTING CONSTRUCTION, PREPARE FOR REUSE AND RE-INSTALL WHERE INDICATED.
- "REMOVE AND RE-INSTALL": DETACH ITEMS FROM EXISTING CONSTRUCTION, PREPARE FOR REUSE AND RE-INSTALL WHERE INDICATED.
- "TO REMAIN": EXISTING ITEMS OF CONSTRUCTION THAT ARE NOT TO BE PERMANENTLY REMOVED AND THAT ARE NOT OTHERWISE INDICATED TO BE REMOVED, REMOVED AND SALVAGED, OR REMOVED AND RE-INSTALLED.

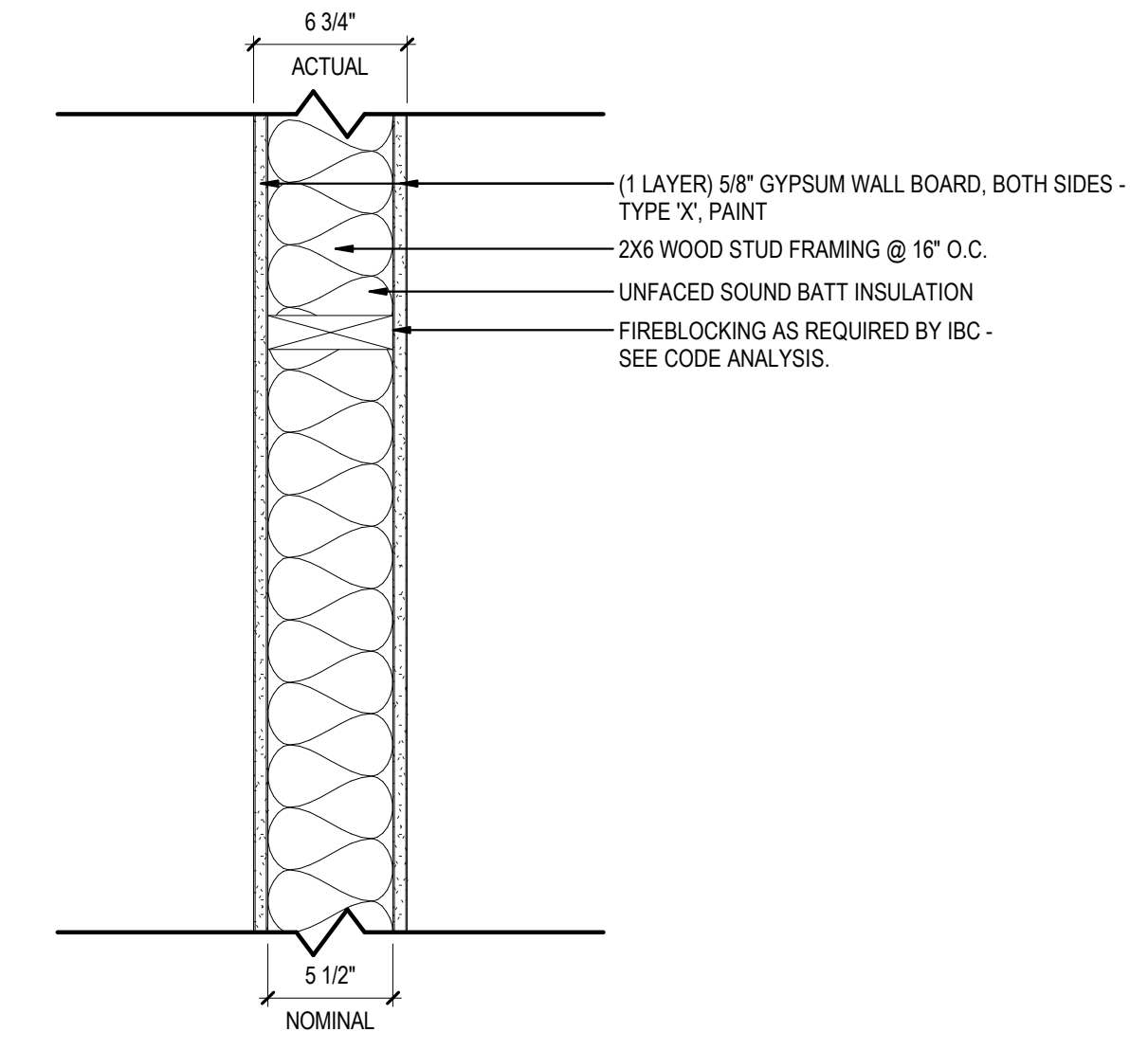
DEMO CEILING PLAN - KEY NOTE LEGEND: < ? >

- 1A. REMOVE & REINSTALL LIGHT FIXTURE, INCLUDING ALL ASSOCIATED MOUNTING HARDWARE & OTHER ACCESSORIES. PROVIDE NEW SURFACE-MOUNTING KIT AS REQUIRED AT LOCATIONS INDICATED TO BE MOUNTED TO ACOUSTICAL TILE CEILING SUSPENSION GRID SYSTEMS.
- 2A. REMOVE & SALVAGE GRILLE REGISTER/DIFFUSER, INCLUDING ALL ASSOCIATED MOUNTING HARDWARE & OTHER ACCESSORIES. CAP DUCTS AT LOCATIONS NOT INDICATED TO RECEIVE DUCT EXTENSION PER MECHANICAL.

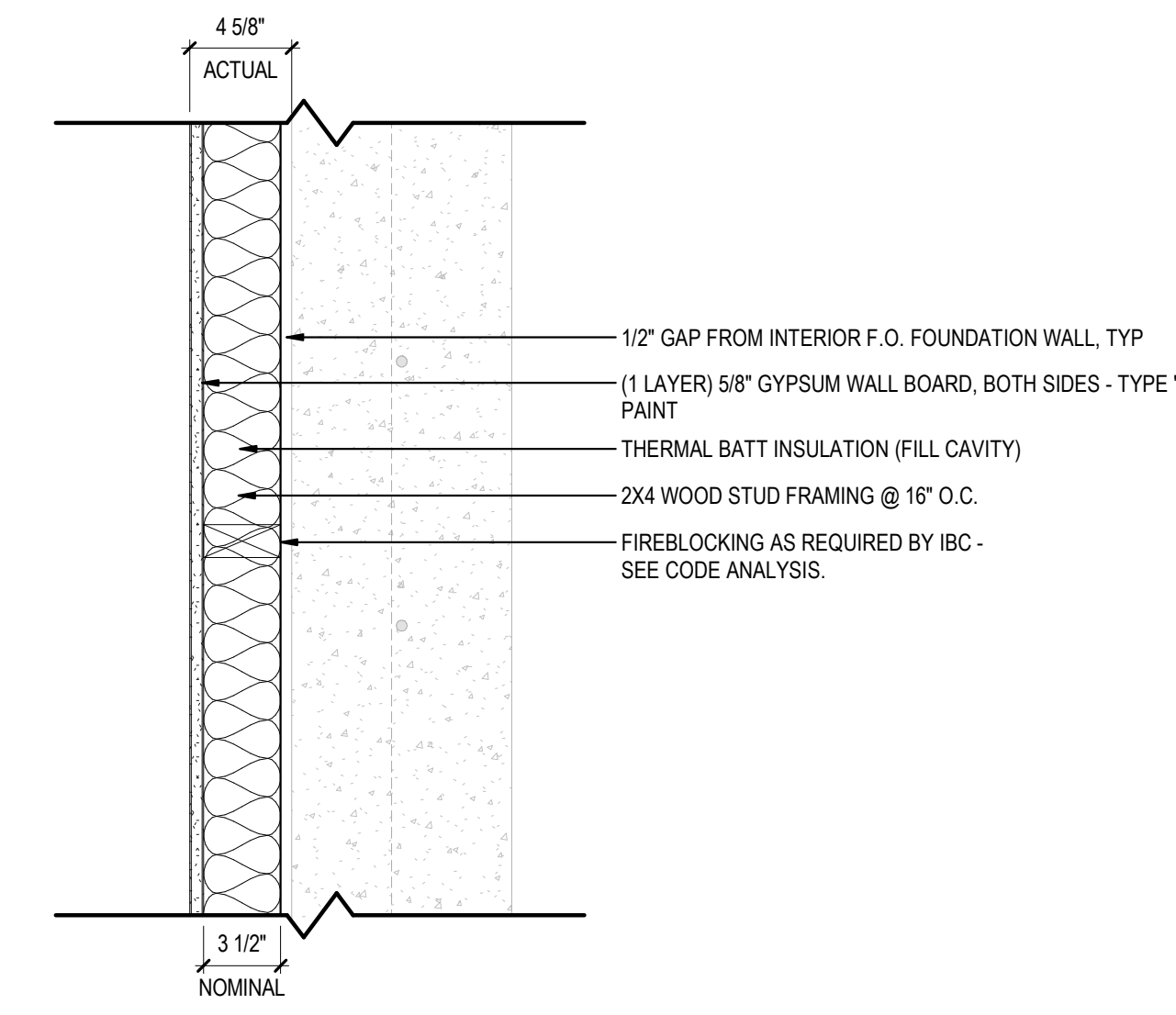
1 DEMO CEILING PLAN - BASEMENT LEVEL
1/4" = 1'-0"



WALL IDENTIFICATION		W3
INTERIOR WALL - WOOD-FRAMED		
WALL THICKNESS:	ACTUAL:	0' - 4"
	NOMINAL:	0' - 3 1/2"
WALL HEIGHT:		± 2' - 1 3/4"
*** SEE SECTIONS, ELEVATIONS, & DETAILS FOR EXACT HEIGHTS***		
ACOUSTICAL RESISTANCE:	RATING (STC):	NA
	TEST NUMBER:	NA
FIRE RESISTANCE:	RATING (HOURS):	NA
	TEST NUMBER:	NA
	WALL TYPE:	NA
GENERAL REMARKS:		
<ul style="list-style-type: none"> - FIELD VERIFY FINAL WALL HEIGHT TO TERMINATE TIGHT UNDER EXISTING WINDOW SILLS. TYPICAL. - SEE INTERIOR ELEVATIONS FOR PROPOSED PLYWOOD PANELING LAYOUT. - PLYWOOD PANELING SHALL BE ATTACHED TO BACKUP ASSEMBLY BY FRENCH CLEAT OR OTHER APPROVED METHOD OF CONCEALED FASTENERS. 		
SCALE: 1 1/2" = 1'-0"		NA = NOT APPLICABLE



WALL IDENTIFICATION		W2
INTERIOR WALL - WOOD-FRAMED		
WALL THICKNESS:	ACTUAL:	0' - 6 3/4"
	NOMINAL:	0' - 5 1/2"
WALL HEIGHT:		TIGHT TO UNDERSIDE OF DECKING/STRUCTURE
*** SEE SECTIONS, ELEVATIONS, & DETAILS FOR EXACT HEIGHTS***		
ACOUSTICAL RESISTANCE:	RATING (STC):	NA
	TEST NUMBER:	NA
FIRE RESISTANCE:	RATING (HOURS):	NA
	TEST NUMBER:	NA
	WALL TYPE:	NA
GENERAL REMARKS:		
<ul style="list-style-type: none"> - PROVIDE ACOUSTICAL SEALANT, TYPICAL AT ALL EDGE PERIMETERS & PENETRATIONS. - PROVIDE MOISTURE & MOLD RESISTANT TYPE GYPSUM WALL BOARD, TYPE 'X' CORE, AT WET LOCATIONS AND AREAS SPECIFIED TO RECEIVE PLUMBING FIXTURES. 		
SCALE: 1 1/2" = 1'-0"		NA = NOT APPLICABLE



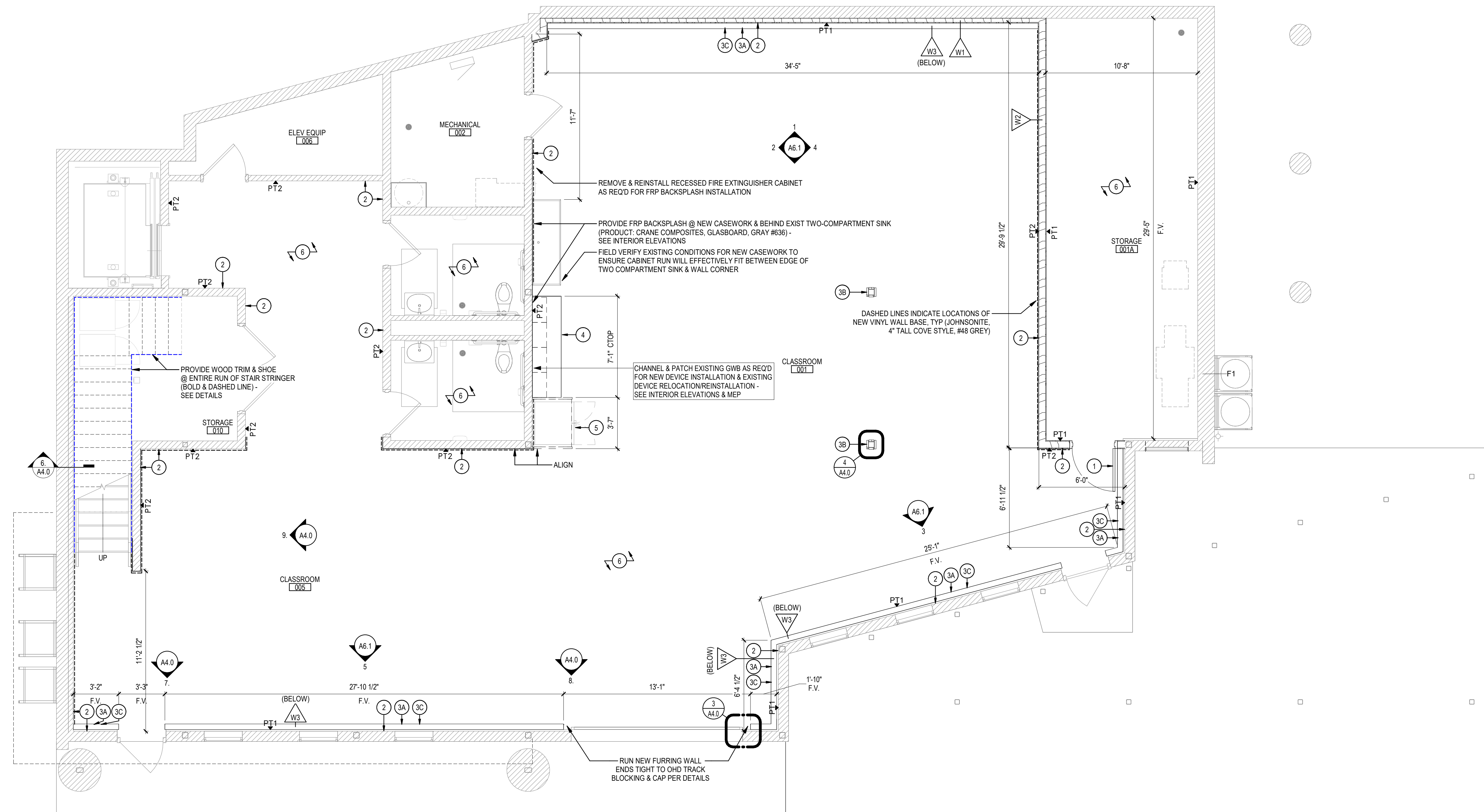
WALL IDENTIFICATION		W1
INTERIOR WALL - WOOD-FRAMED		
WALL THICKNESS:	ACTUAL:	0' - 4 5/8"
	NOMINAL:	0' - 3 1/2"
WALL HEIGHT:		TIGHT TO UNDERSIDE OF STRUCTURE
*** SEE SECTIONS, ELEVATIONS, & DETAILS FOR EXACT HEIGHTS***		
ACOUSTICAL RESISTANCE:	RATING (STC):	NA
	TEST NUMBER:	NA
FIRE RESISTANCE:	RATING (HOURS):	NA
	TEST NUMBER:	NA
	WALL TYPE:	NA
GENERAL REMARKS:		
<ul style="list-style-type: none"> - PROVIDE ACOUSTICAL SEALANT, TYPICAL AT ALL EDGE PERIMETERS & PENETRATIONS. - PROVIDE MOISTURE & MOLD RESISTANT TYPE GYPSUM WALL BOARD, TYPE 'X' CORE, AT WET LOCATIONS AND AREAS SPECIFIED TO RECEIVE PLUMBING FIXTURES. 		
SCALE: 1 1/2" = 1'-0"		NA = NOT APPLICABLE

- ASSEMBLIES - GENERAL NOTES:**
- ALL WALLS WITH SOUND BATT INSULATION ARE TO HAVE ACOUSTICAL SEALANT CONTINUOUS AT TOP & BOTTOM OF WALLS, AS APPLICABLE.
 - WHERE GYPSUM WALLBOARD IS LOCATED ON WALLS WHICH RECEIVE PLUMBING FIXTURES, CONTRACTOR SHALL PROVIDE MOISTURE & MOLD RESISTANT TYPE GYPSUM WALL BOARD.
 - WHERE GYPSUM WALLBOARD IS LOCATED ON OR NEAR WALLS WHICH RECEIVE PLUMBING FIXTURES, CONTRACTOR SHALL PAINT WALL WITH A NON-ABSORBENT, EPOXY-BASED PAINT, SEE ROOM FINISH SCHEDULE.
 - WHERE WOOD STUD WALLS CONTAIN WALL OPENINGS, CONTRACTOR SHALL PROVIDE DOUBLE STUDS AT EACH JAMB, CONTINUOUS FROM BOTTOM PLATE TO TOP PLATE U.N.O. SEE STRUCTURAL FOR FURTHER INFORMATION.
 - REFER TO FLOOR PLANS FOR EXACT WALL DIMENSIONS & RELATIVE LOCATION TO EXISTING FINISHED FACES OF ADJACENT WALLS OR OTHER BUILDING COMPONENTS.
 - WHERE RIGID INSULATION IS PROVIDED, IT SHALL BE PROTECTED FROM IGNITION AT ALL TIMES, AS INDICATED IN SPECIFICATION SECTION 072100. THIS INCLUDES RIGID INSULATION IN ALL CEILING PLENUMS (LOCATED ABOVE THE CEILING BUT BELOW THE ROOF DECK). NO FOAM PLASTIC SHALL BE EXPOSED TO THE INTERIOR OF THE BUILDING. SEE WALL TYPES.
 - ALL GYPSUM WALL BOARD & GYPSUM BOARD CEILINGS THAT ARE EXPOSED TO VIEW SHALL BE PRIMED & PAINTED. SEE SPECIFICATIONS.
 - SWITCH, RECEPTACLE, ETC. JUNCTION BOXES SHALL NOT BE INSTALLED BACK TO BACK UNLESS CALLED FOR SPECIFICALLY. PROVIDE MINIMUM 3" SOUND BATT INSULATION BETWEEN STAGGERED BOXES.
 - SEE WALL TYPES FOR HEIGHT OF NEW WALL ASSEMBLIES.
 - SEE ROOM FINISH SCHEDULE FOR WALL & CEILING FINISHES.
 - PROVIDE IN-WALL & ABOVE CEILING BLOCKING AS REQUIRED FOR NEW WALL & CEILING MOUNTED CASEWORK, EQUIPMENT & DEVICES - SEE ALL TRADES. COORDINATE ADDITIONAL BLOCKING FOR ALL OWNER FURNISHED EQUIPMENT.
 - ALL WOOD CONSTRUCTION TO BE DONE ACCORDING TO CHAPTER 23 OF THE IBC.

- FIRE-RATED ASSEMBLIES - GENERAL NOTES:**
- PROVIDE MATERIALS & ATTACHMENTS FOR ALL ASSEMBLIES PER UL TESTED ASSEMBLY LISTINGS.
 - WHERE PENETRATIONS OCCUR/EXIST IN FIRE-RATED ASSEMBLIES, CONTRACTOR SHALL FILL GAPS WITH FIRE SAFING & SEAL WITH A UL-LISTED FIRE-RATED SEALANT.
 - WHERE FIRE-RATED ASSEMBLIES INTERSECT NON-RATED ASSEMBLIES, MAINTAIN THE CONTINUITY OF FIRE-RATED ASSEMBLIES.

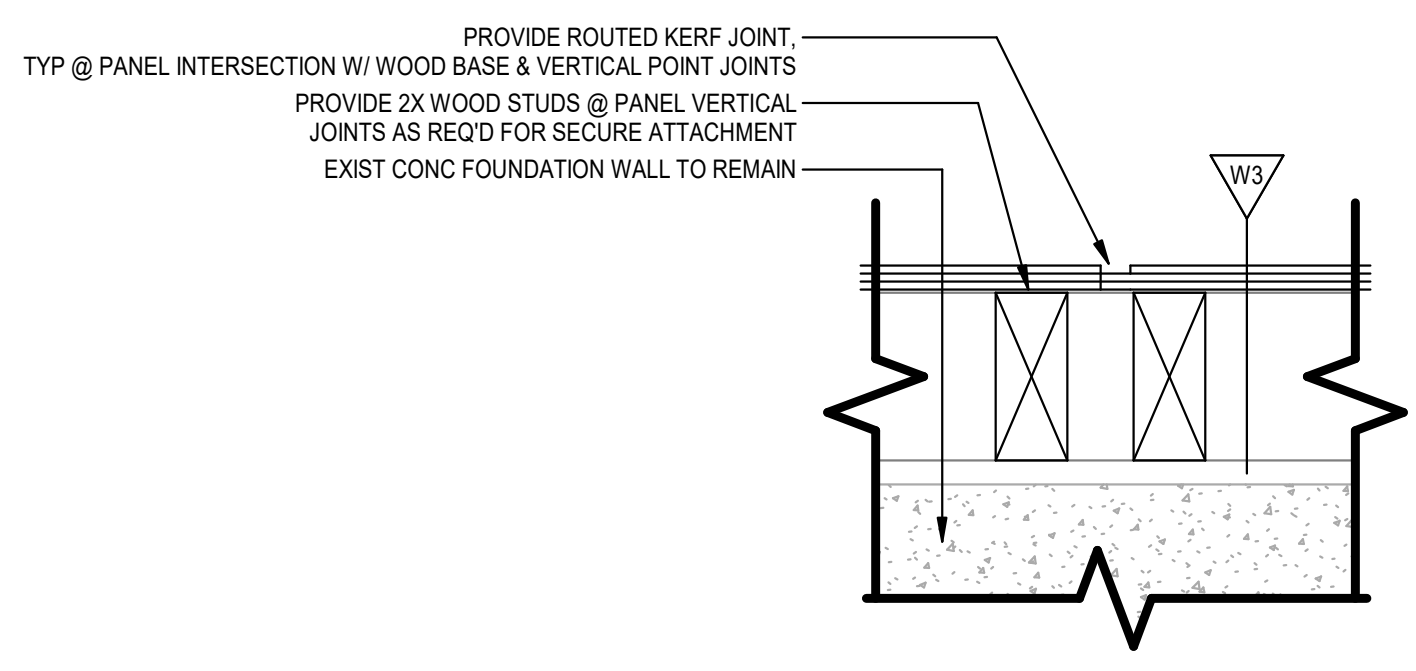
GENERAL NOTES - FLOOR PLANS:

- PLAN LAYOUT, LOCATIONS OF DEVICES, SIZE OF COMPONENTS, HEIGHTS, SECTIONS AND DETAILS WERE DERIVED FROM RECORD DRAWINGS OF THE PREVIOUS ARCHITECT AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
- DIMENSIONS AT EXISTING & NEW WALLS ARE BASED ON ACTUAL WALL THICKNESS. SEE ASSEMBLIES FOR ACTUAL WALL DIMENSIONS.
- DIMENSIONS ARE TAKEN FROM FACE OF FINISH AT EXISTING WALLS & MASONRY WALLS OR FACE OF METAL STUDS UNLESS NOTED OTHERWISE.
- DIMENSIONS SHOWN ADJACENT TO WALL TYPE TAGS INDICATE TOP OF WALL HEIGHTS ABOVE THE T.O. CONCRETE FLOOR SLAB ELEVATION (+0'-0"), UNLESS NOTED OTHERWISE.
- DIMENSIONS AT DOORS AND WINDOWS IN STUD & CMU WALLS ARE SHOWN AS "ROUGH OPENING" DIMENSIONS TO THE OUTSIDE OF THE OPENING. CONTRACTOR SHALL COORDINATE ACTUAL ROUGH OPENINGS WITH THE WALL ASSEMBLY INSTALLER, AND OPENING MANUFACTURER PRIOR TO ORDER & INSTALLATION OF ALL OPENINGS.
- SIGNAGE PLAQUES:
 - PROVIDE AT EACH DOOR TO EACH ROOM AND ADJACENT TO ALL EXIT DISCHARGE DOORS (MOUNT W/ DOUBLE SIDED HIGH-BOND FOAM TAPE)
 - ALL SIGNS SHALL HAVE BOTH THE ROOM NAME AND ROOM NUMBER (INCLUDED IN BRAILLE).
- SEE INTERIOR ELEVATIONS, FINISH PLANS AND FINISH SCHEDULE FOR FURTHER CLARIFICATION OF MATERIALS AND LOCATION OF FINISHES.
- SEE MECHANICAL ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- ALL WALLS WITH SOUND ATTENUATION BLANKETS ARE TO HAVE ACOUSTICAL SEALANT AT TOP AND BOTTOM OF WALL ASSEMBLY. SEE ASSEMBLIES FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROTECT ALL EXISTING TO REMAIN FINISHED SURFACES, EQUIPMENT, DEVICES, AND THE LIKE, THROUGHOUT DEMOLITION AND CONSTRUCTION, IN ALL WORK AREAS UNLESS NOTED TO BE REMOVED.
- CONTRACTOR SHALL REPAIR OR REPLACE ALL EXISTING ITEMS DAMAGED DURING DEMOLITION AND CONSTRUCTION. DUST CONTROL & CONTAINMENT MEASURES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. DUST SHALL BE CONTROLLED SO NOT TO FILTER INTO ADJACENT SPACES & EXISTING MECHANICAL EQUIPMENT. PROVIDE DOUBLE FILTERS @ ALL RETURN GRILLES. TYPICAL. IF DUST MIGRATION IS FOUND, THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING ALL EFFECTED AREAS AND EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. SEE SPECIFICATION.
- CONTRACTOR SHALL PROVIDE DUST-CONTROL ADHESIVE-SURFACE WALK-OFF MATS, AS REQUIRED, TO PROTECT EXISTING FLOOR FINISHES THAT ARE SHOWN TO REMAIN. ADHESIVE-SURFACE LAYERS TO BE CHANGED OUT REGULARLY SO TO MAINTAIN A STICKY SURFACE. SEE SPECIFICATION.
- WHERE GYPSUM WALLBOARD IS LOCATED ON WALLS WHICH RECEIVE PLUMBING FIXTURES, CONTRACTOR SHALL PROVIDE GYPSUM WALLBOARD OF THE WATER RESISTIVE TYPE. CONTRACTOR SHALL PAINT WALL WITH A NON-ABSORBENT EPOXY-BASED PAINT. SEE ROOM FINISH SCHEDULE.
- WHERE WALLS ARE TO BE PRIMED AND PAINTED ALL WALL MOUNTED SIGNS, PLAQUES, PAPER HOLDERS, DISPENSERS, ETC. ARE TO BE REMOVED AND RE-INSTALLED OR RETURNED TO OWNER PRIOR TO PAINTING.
- WHERE PATCHING IS REQUIRED, CEILING/WALL INFILL SHALL BE FINISHED TO MATCH ADJACENT EXISTING SURFACES. CONTRACTOR SHALL BLEND NEW CEILING/WALL TEXTURES INTO EXISTING TEXTURES TO RESULT IN A UNIFORM FINISH/APPEARANCE AND, AS REQUIRED, REPAINT THE ENTIRE FIELD FROM CORNER TO CORNER TO RESULT IN A CONSISTENT FINISH. SEE ROOM FINISH SCHEDULE FOR INFORMATION REGARDING PAINT.
- ALL ABANDONED WALL BOXES/CAVITIES FROM DEMOLISHED FIXTURES & DEVICES SHALL BE PATCHED AS NOTED ON THE NEW FLOOR PLANS. WHERE NO PATCH WORK IS INDICATED, THE REMAINING OPENINGS SHALL RECEIVE STAINLESS STEEL METAL "BLANK" PLATES OR COVERS. WHERE CUSTOM SIZED METAL FABRICATIONS ARE REQUIRED TO COVER CAVITIES, PROVIDE A MINIMUM 16 GAUGE MATERIAL WITH HEMMED EDGES. WHERE OPENINGS LARGER THAN 18" EXIST, PROVIDE ADDITIONAL WELDED SUPPORTS @ 12" O.C. AS REQUIRED.
- CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH NEW WORK, INCLUDING COORDINATION WITH ALL FIRE SPRINKLER, FIRE ALARM, MECHANICAL, ELECTRICAL AND PLUMBING TRADES. EACH CONTRACTOR SHOULD COORDINATE WITH ALL OTHER DISCIPLINES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING ANY AND ALL NECESSARY OPENINGS INTO THE BUILDING, AS REQUIRED TO REMOVE EXISTING ITEMS/EQUIPMENT, AND/OR TO BRING IN AND INSTALL NEW ITEMS/EQUIPMENT. ALL TEMPORARY OPENINGS SHALL BE PATCHED AND FINISHED WITH LIKE MATERIALS TO MATCH THE PRE-EXISTING CONDITIONS.

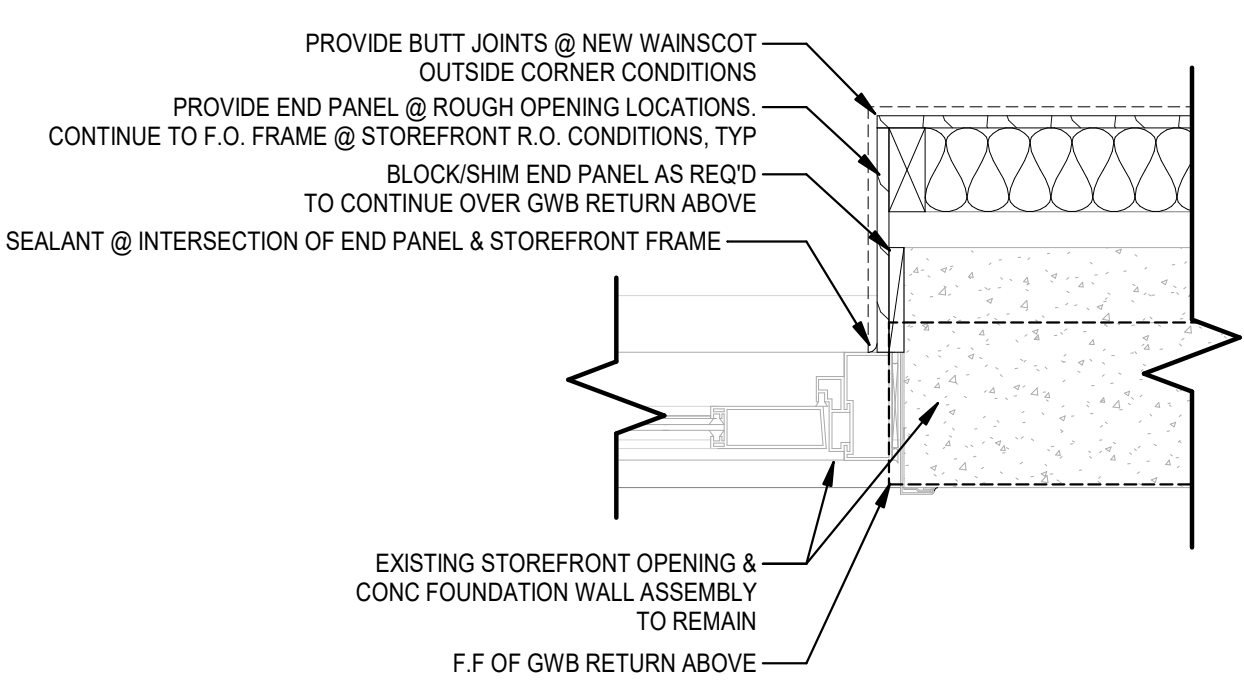


GENERAL FLOOR PLAN REFERENCES:	GENERAL FLOOR PLAN - KEY NOTE LEGEND:
<p> = WOOD FRAMING = CAST IN PLACE CONCRETE R.O. = ROUGH OPENING DIMENSION D.S. = DOWNSPOUT F.F. = FINISHED FACE THIS LEGEND IS FOR VISUAL REFERENCE ONLY SEE WALL TYPES, ASSEMBLIES & DETAILS PT# = PAINT PT1: MFG: SHERWIN-WILLIAMS (OR APPROV EQ) COLOR: 'CEILING BRIGHT WHITE' #SW7007 PT2: MFG: SHERWIN-WILLIAMS (OR APPROV EQ) COLOR: 'IRON ORE' #SW7069 </p>	<p> THE NOTE ABOVE THE WALL TYPE/ASSEMBLY TAG INDICATES: - THE GENERAL HEIGHT/EXTENT OF THE WALL ASSEMBLY "ABOVE" OR "BELOW" THE VIEW PLANE. - THAT MULTIPLE WALLS ARE BEING TAGGED BY A SINGLE WALL TYPE/ASSEMBLY TAG (IE: "X2/X3"). - THE NUMBER ABOVE WALL TYPE TAG INDICATES THE HEIGHT/EXTENT OF THE WALL ASSEMBLY ABOVE CORRESPONDING FLOOR LEVEL. </p> <p> 1. NEW DOOR & FRAME: PROVIDE & INSTALL 36" X 96" HOLLOW METAL DOOR LEAF & ALL-WELD 2" HOLLOW METAL FRAME INCLUDING ALL MOUNTING HARDWARE, SEALANT & OTHER ACCESSORIES. PROVIDE DOOR HARDWARE & KEYING TO MATCH EXISTING FACILITY STOREROOM DOORS. 2. FINISH SURFACE: FINISH GWB SURFACE. SEE GENERAL NOTES. 3A. WOOD VENEER WAINSCOT: PROVIDE & INSTALL AT THE LOCATIONS INDICATED, INCLUDING ALL ASSOCIATED PLYWOOD PANELING, CONCEALED MOUNTING HARDWARE & OTHER ACCESSORIES. SEE ELEVATIONS & DETAILS. 3B. SOLID WOOD PANEL WRAP COLUMN: PROVIDE & INSTALL AT THE LOCATIONS INDICATED. SHOWN FOR COORDINATION PURPOSES. SEE ELEVATIONS & DETAILS. SPECIES: DOUG FIR, FINISH GRADE FINISH: CLEAR SEAL 3C. FINISH GRADE SOLID WOOD WALL CAP: PROVIDE & INSTALL AT THE LOCATIONS INDICATED. SEE ELEVATIONS & DETAILS. SPECIES: DOUG FIR FINISH: CLEAR SEAL 4. NEW CASEWORK: PROVIDE & INSTALL AT THE LOCATION INDICATED, INCLUDING ALL ASSOCIATED COUNTERTOPS, SPLASHES, END PANELS & OTHER ACCESSORIES. SEE ELEVATIONS & CASEWORK SECTIONS. FINISH: PLASTIC LAMINATE LEG: FORMICA COLOR/FINISH: 'SMOKY BROWN PEAR' #5488 COUNTERTOP/SPLASH: CORIAN SOLID SURFACE 'NATURAL GRAY' 5. OWNER PROVIDED EQUIPMENT: PROVIDE & INSTALL AT THE LOCATIONS INDICATED. SHOWN FOR COORDINATION PURPOSES. 6. NEW EPOXY FLOORING: PROVIDE & INSTALL AT THE LOCATIONS INDICATED. PREP FLOOR SLAB AS REQUIRED FOR NEW EPOXY APPLICATION. FINAL COLOR/FINISH AS SELECTED BY OWNER. </p>

1 FLOOR PLAN - BASEMENT LEVEL
1/4" = 1'-0"



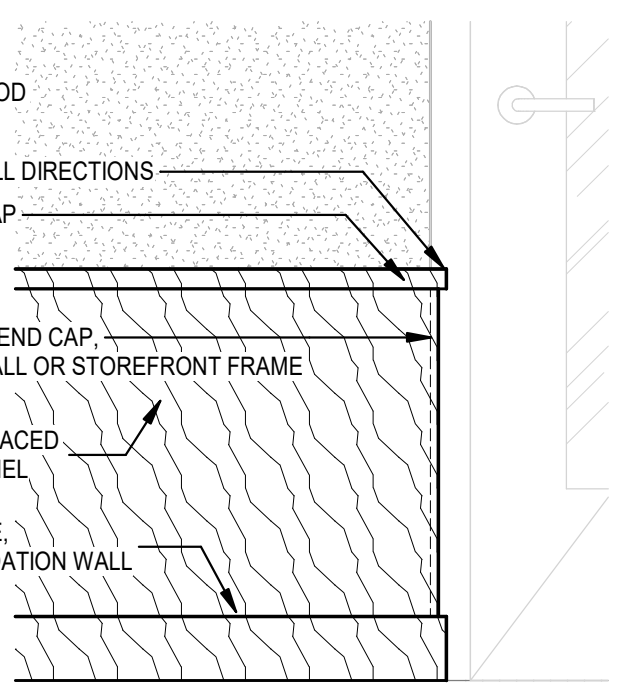
13 PLAN DETAIL - TYP WOOD PANEL JOINT
3" = 1'-0"



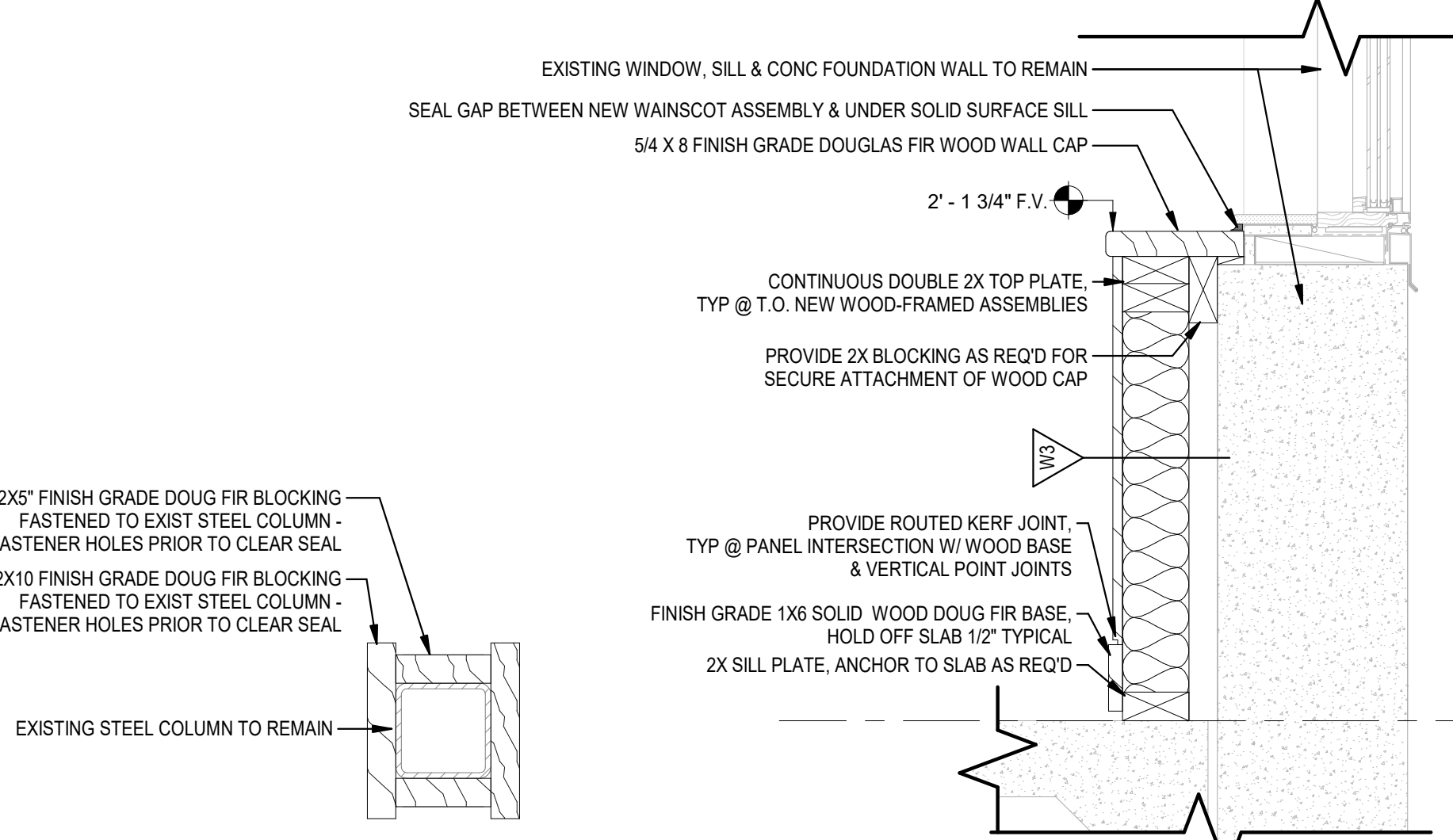
12 PLAN DETAIL - STOREFRONT DOOR JAMB @ CONC
1 1/2" = 1'-0"



8. WOOD CAP @ OHD
1" = 1'-0"

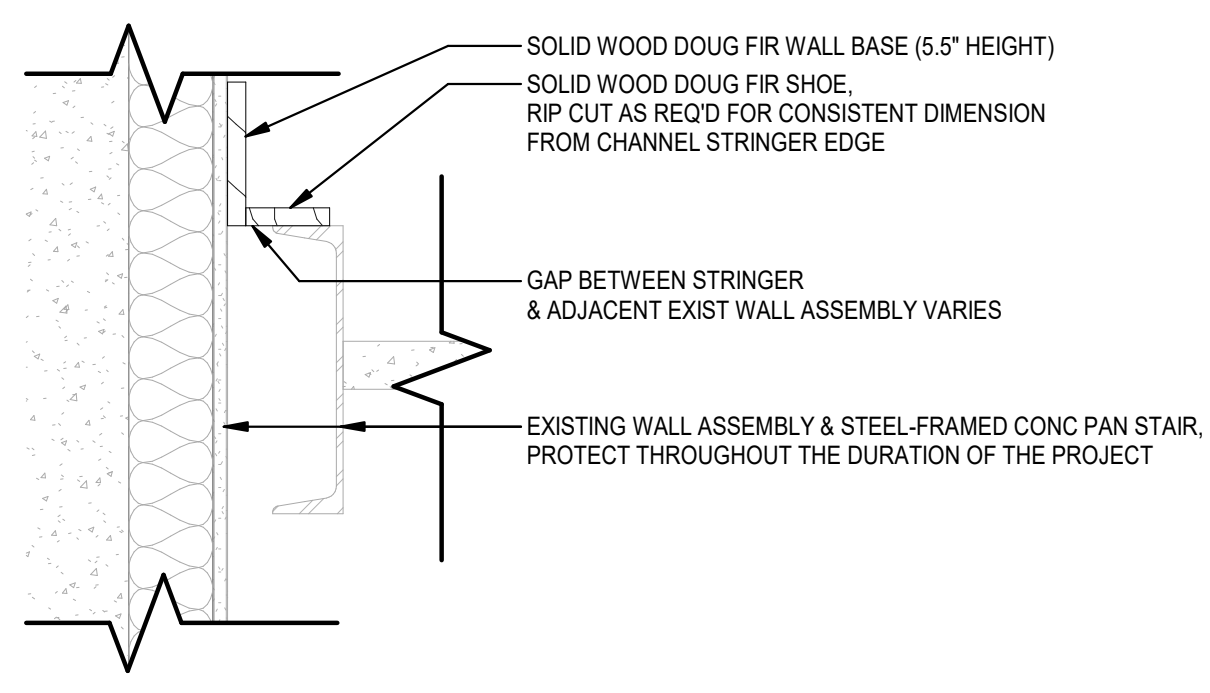


7. WOOD CAP @ DOOR
1" = 1'-0"

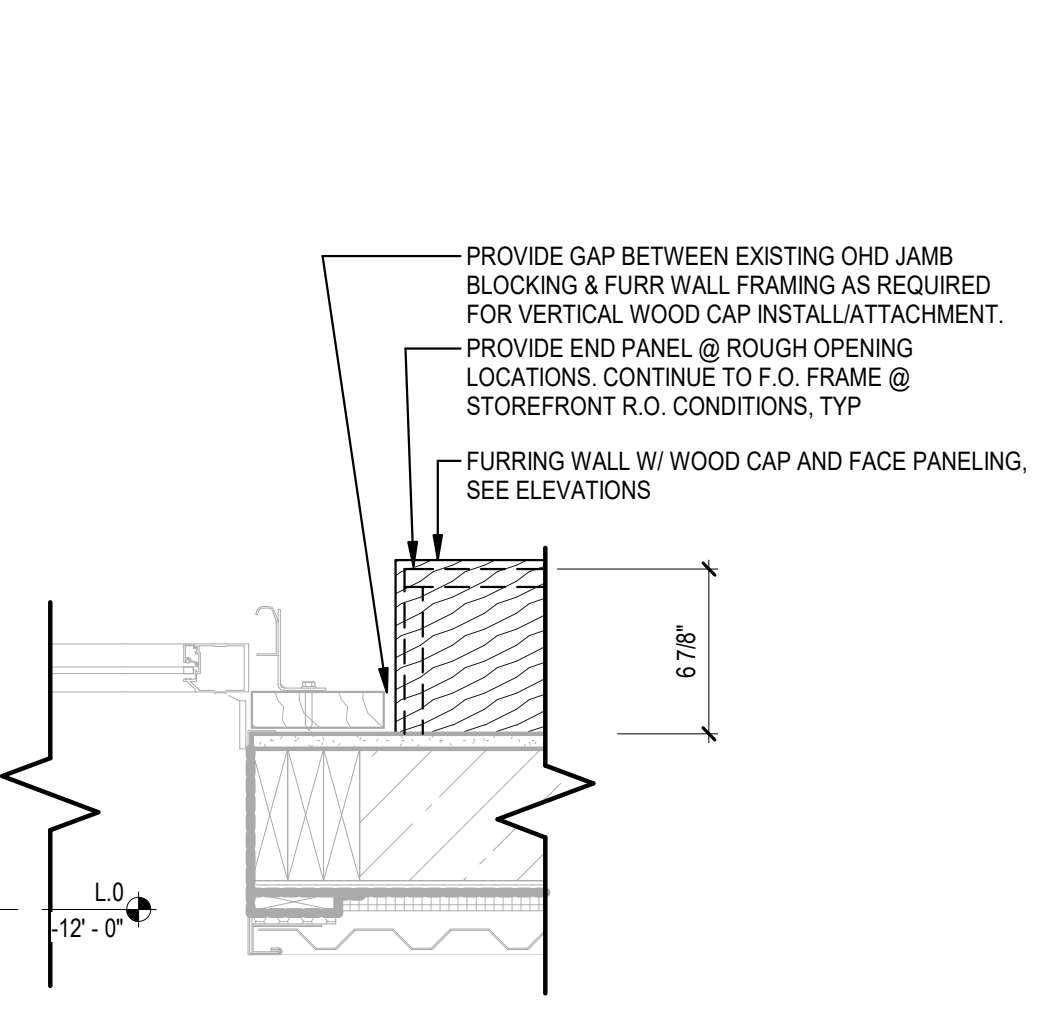


4 PLAN DETAIL - COLUMN WRAP
1 1/2" = 1'-0"

5. SECTION DETAIL - WINDOW SILL @ L.0
1 1/2" = 1'-0"



6. SECTION DETAIL - STAIR WOOD TRIM
1 1/2" = 1'-0"



3 PLAN DETAIL - OHD JAMB
1 1/2" = 1'-0"

INSTALLER SHALL TAKE SPECIAL CARE IN LOCATION OF SUSPENSION ANCHORS & LIGHT FIXTURE AIRCRAFT CABLES TO HIT THICKENED REGION OF CONCRETE SLAB OVER METAL DECK ABOVE TO AVOID BLOWOUT OF CONCRETE FINISH - PROVIDE POST-INSTALLED ANCHOR TO AVOID SLAB BLOWOUT

SLOPE BAFFLES N/S @ APPROX 1/2" PER 12" TO AVOID CONFLICT WITH CROSSING LINESETS NEAR STAIR WING WALL - FIELD VERIFY LINESET ELEVATIONS PRIOR TO INSTALLATION

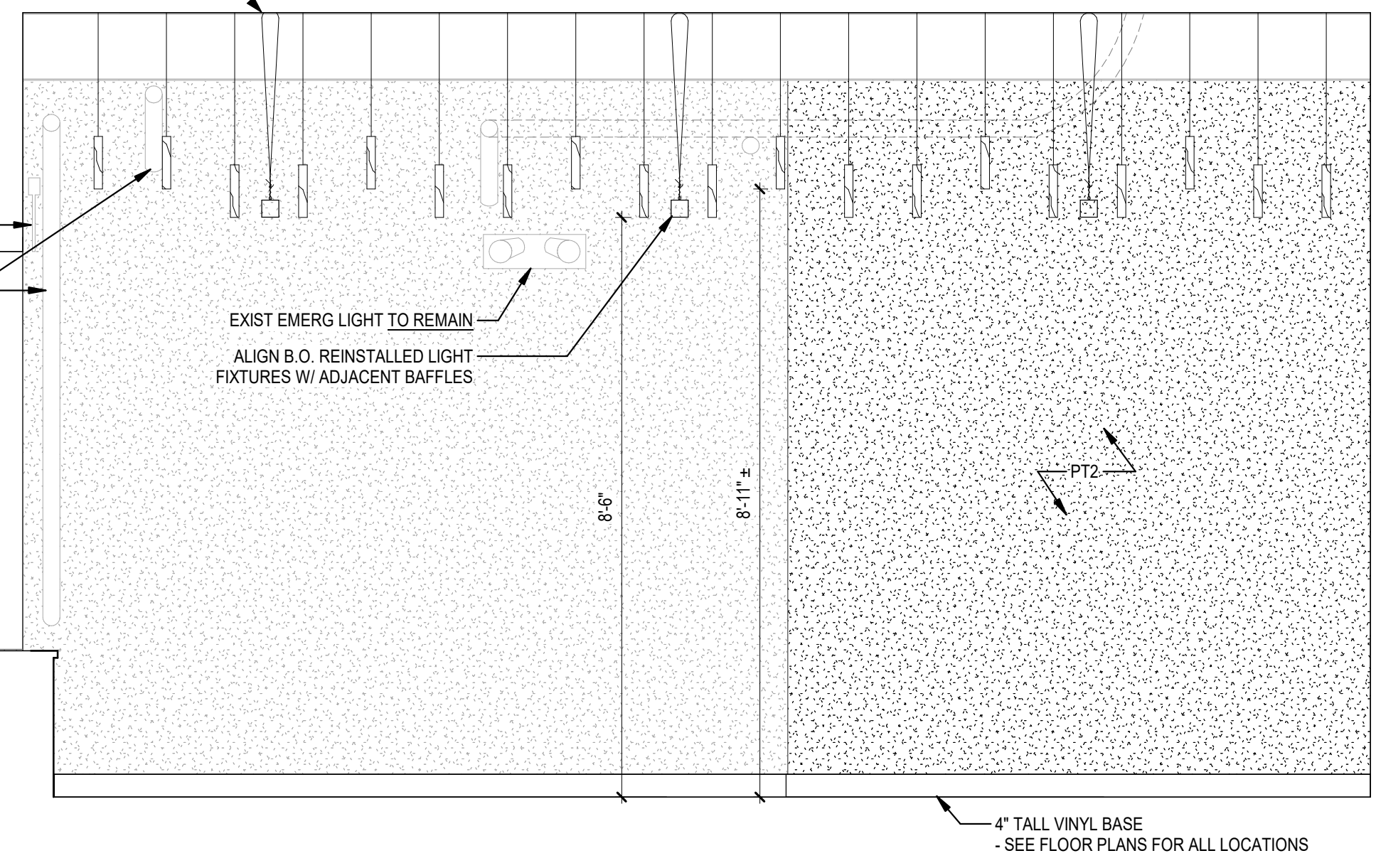
EXISTING EXIT SIGN TO REMAIN, MOUNT NEW BAFFLES @ ELEVATION AS TO NOT IMPEDE VISIBILITY
EXISTING COLD WATER LINES & LINESETS SHOWN FOR COORDINATION

EXIST FLOOR ASSEMBLY & STRUCTURE TO REMAIN
PROVIDE UNISTRUT SUPPORTS & ASSOCIATED BEAM CLAMPS AS REQ'D FOR SUSPENSION OF CEILING PANELS (MFG: KELLY & HAYES P2785 HG U-BOLT BEAM CLAMP OR SIMILAR)

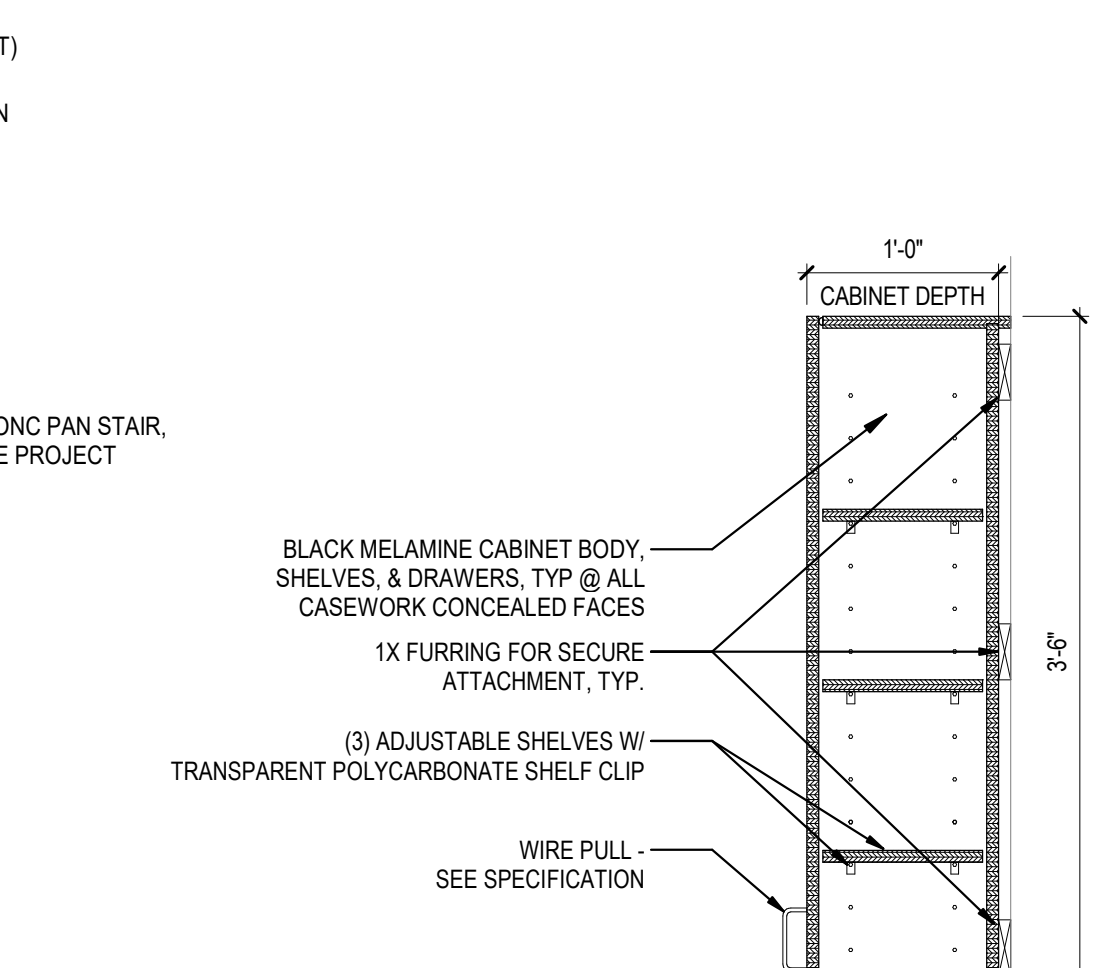
AIRCRAFT CABLE & CABLE COUPLINGS AS REQ'D FOR SUSPENSION OF CEILING PANELS
MATCHING FINISH GRADE WOOD EDGE TRIM, TYP @ PERIMETER OF SUSPENDED WOOD CEILING PANELS

2X BLOCKING AS REQ'D FOR SECURE SUSPENSION OF CEILING PANELS & MATCHING EDGE TRIM, CONTINUOUS AT PERIMETER OF CEILING PANELS
SUSPENDED WOOD CEILING PANELS W/ 1/2" PLYWOOD BACKER - SEE CEILING PLANS

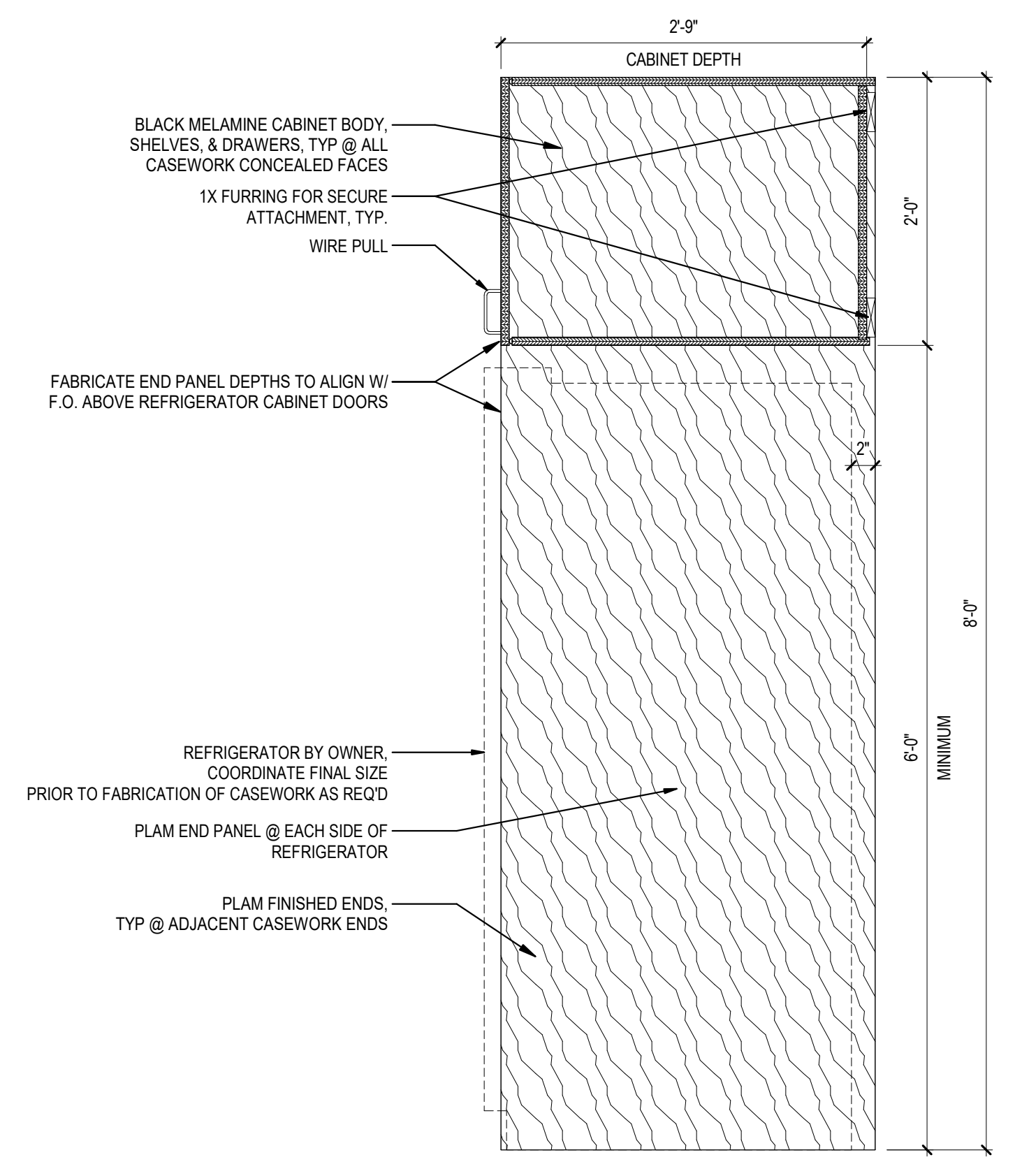
10. SECTION DETAIL - SUSPENDED WOOD PANEL EDGE
1 1/2" = 1'-0"



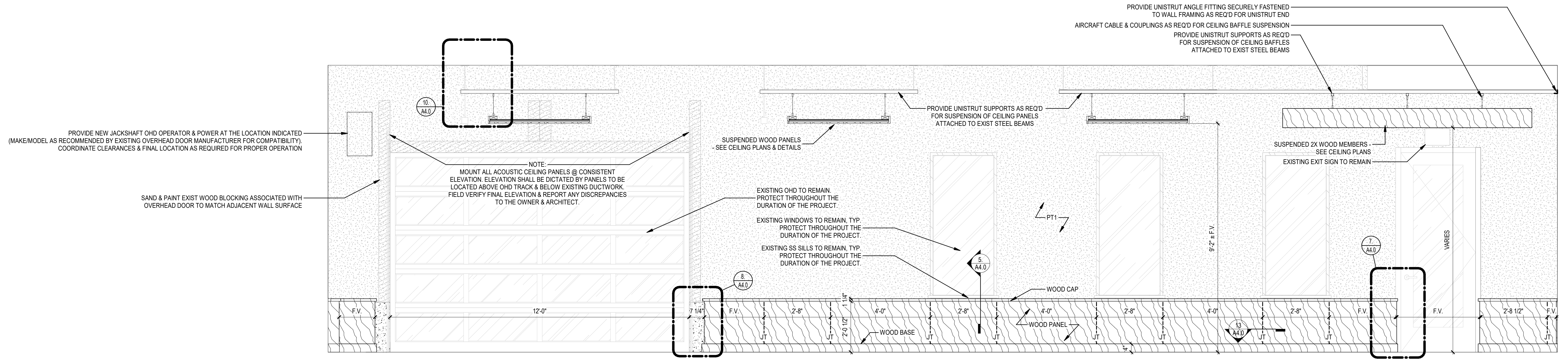
9. INTERIOR ELEVATION - BASEMENT - BAFFLES
1/2" = 1'-0"



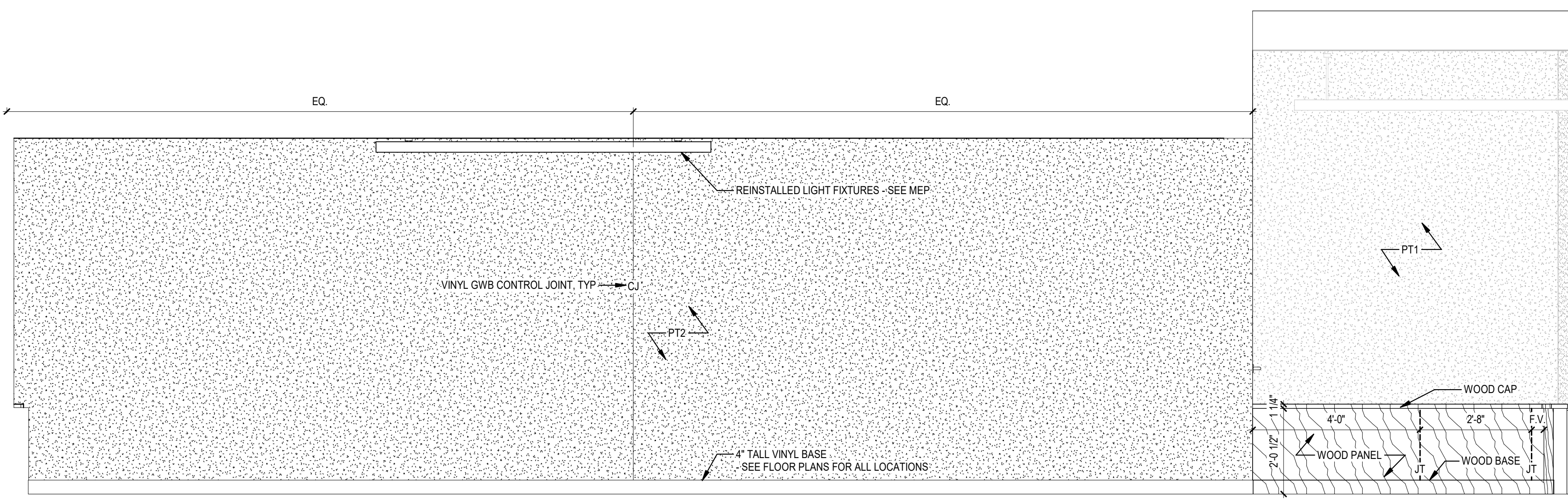
2 CASEWORK SECTION - BASEMENT
1" = 1'-0"



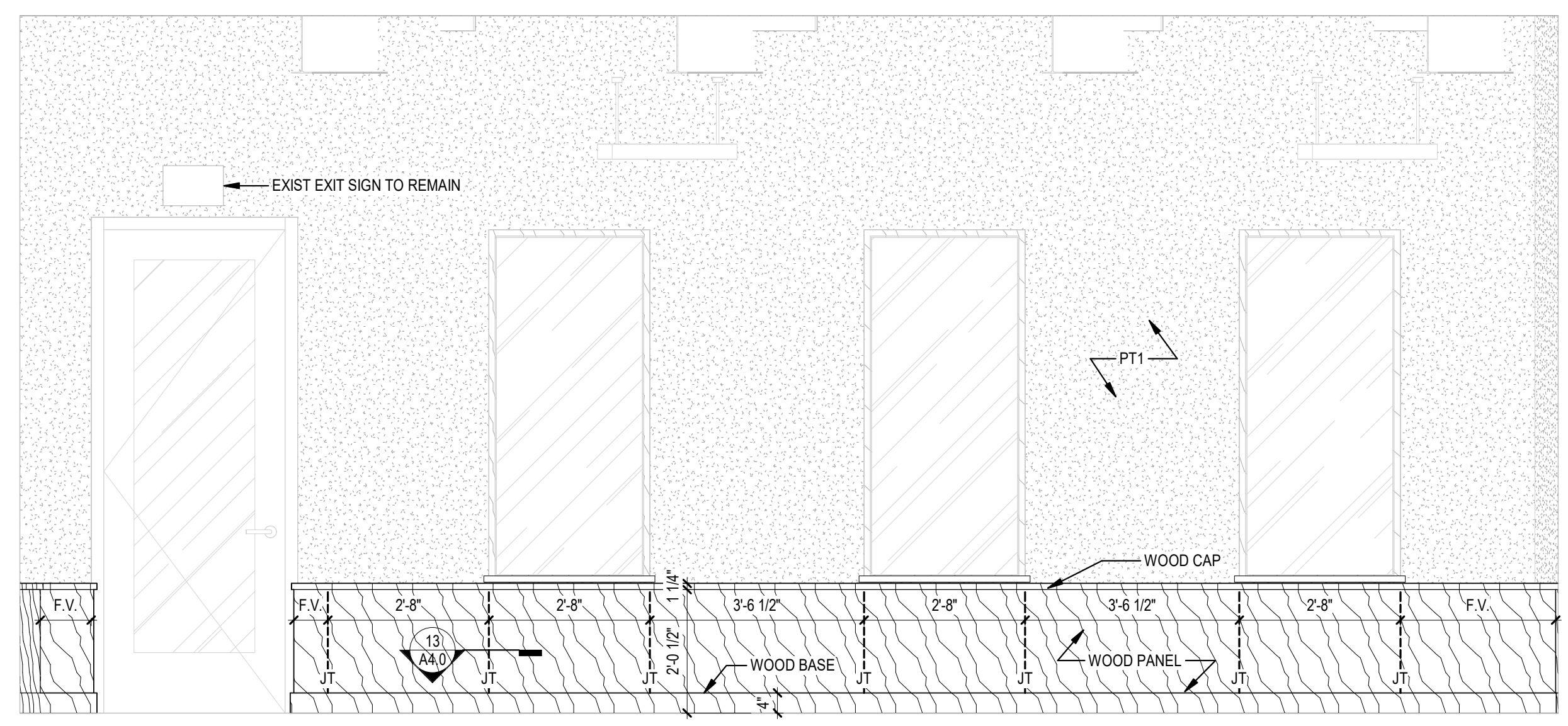
1 CASEWORK SECTION - BASEMENT REFRIG
1" = 1'-0"



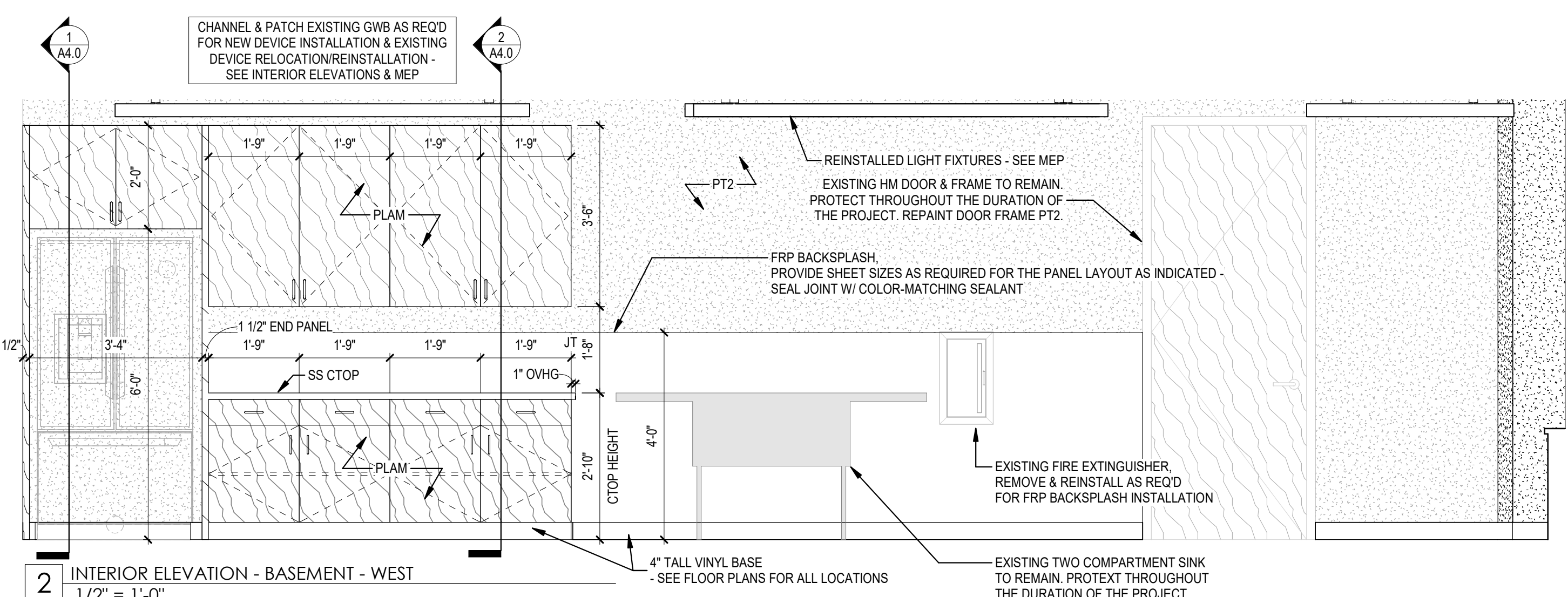
5 INTERIOR ELEVATION - BASEMENT - SOUTH
1/2" = 1'-0"



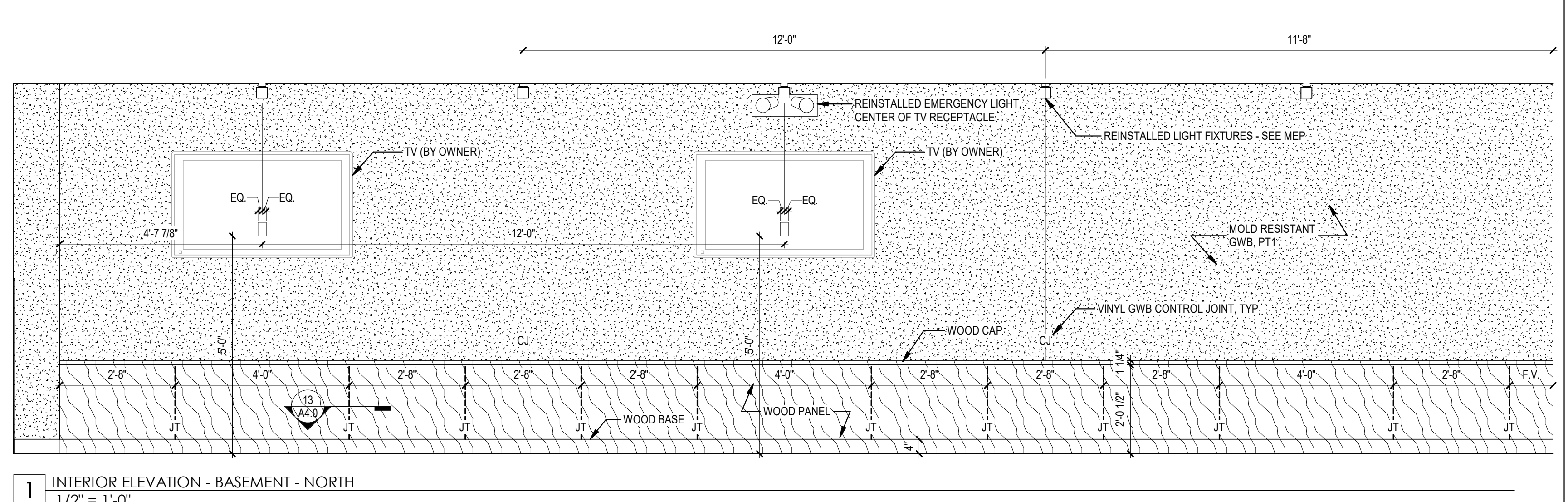
4 INTERIOR ELEVATION - BASEMENT - EAST
1/2" = 1'-0"



3 INTERIOR ELEVATION - BASEMENT - SOUTH (ANGLE)
1/2" = 1'-0"



2 INTERIOR ELEVATION - BASEMENT - WEST
1/2" = 1'-0"



1 INTERIOR ELEVATION - BASEMENT - NORTH
1/2" = 1'-0"

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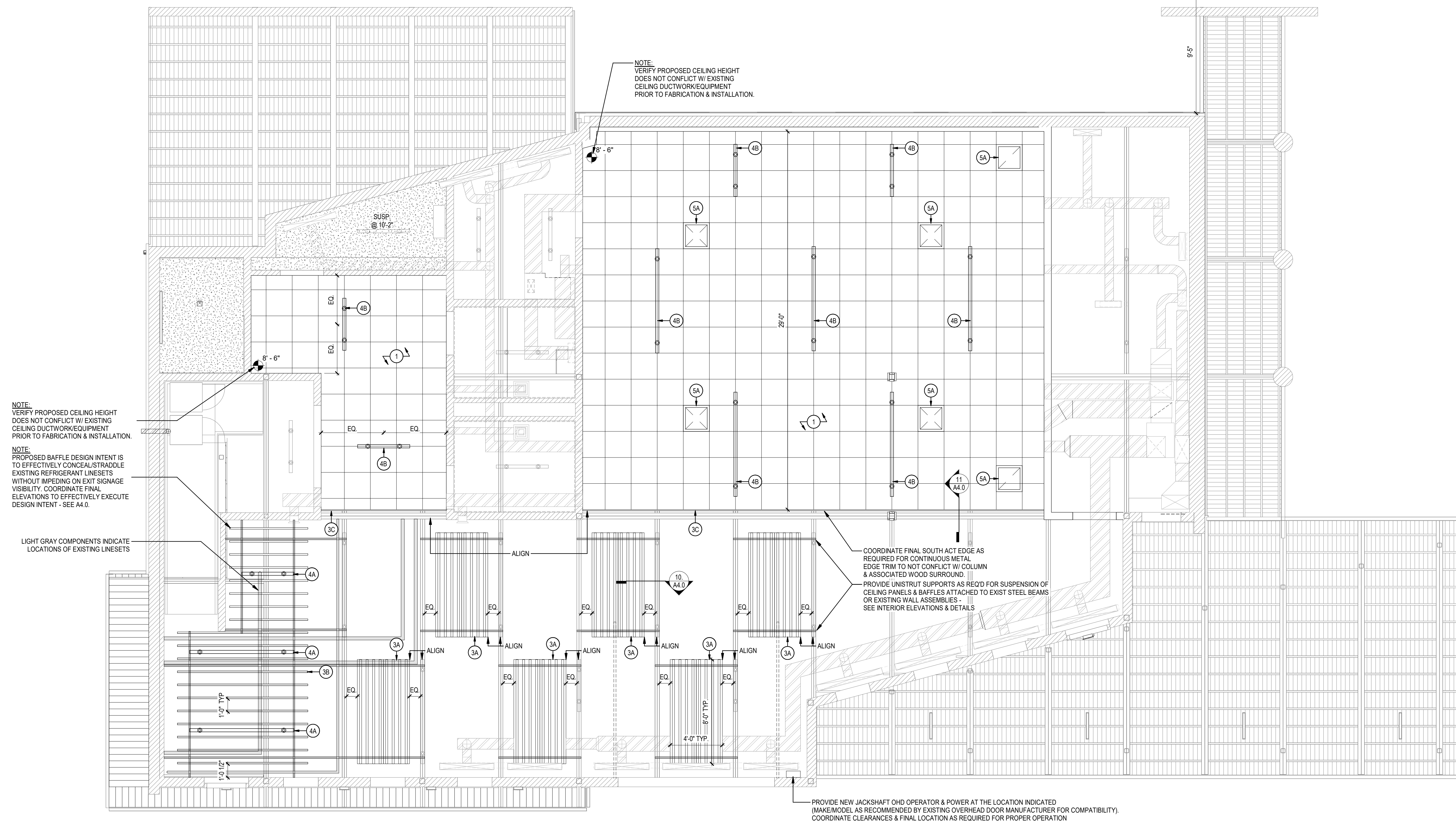
PRINT DATE:
2026-03-02
SHEET NAME:
INTERIOR ELEVATIONS

A6.1

GENERAL NOTES - CEILING PLANS:

- PLAN LAYOUT, LOCATIONS OF DEVICES, SIZE OF COMPONENTS, HEIGHTS, SECTIONS AND DETAILS WERE DERIVED FROM RECORD DRAWINGS OF THE PREVIOUS ARCHITECT AND FIELD OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO THE START OF CONSTRUCTION.
- DIMENSIONS ARE TAKEN FROM FINISH FACE OF WALL TO CENTERLINE OF FIXTURE UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PROVIDE FIBERGLASS-FACED, MOLD & MOISTURE RESISTANT GYPSUM BOARD AT WET LOCATIONS, TYPICAL.
- CEILING HEIGHTS ARE INDICATED WITH "SPOT ELEVATIONS" AND INDICATE THE HEIGHT OF THE FINISHED CEILING SURFACE ABOVE THE NEW OR EXISTING FINISHED FLOOR, U.O.
- CONTRACTOR SHALL COORDINATE ALL MECHANICAL AND ELECTRICAL FIXTURES, TYPES AND LOCATIONS WITH THE MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. LIGHT FIXTURES AND MECHANICAL REGISTERS ARE SHOWN FOR DIMENSIONAL LAYOUT AND COORDINATION PURPOSES ONLY, NOT ALL FIXTURES ARE SHOWN. SEE MECHANICAL AND ELECTRICAL FOR TYPES AND QUANTITIES.
- CONTRACTOR SHALL PROTECT ALL ADJACENT WALL AND FLOOR SURFACES AND ITEMS SHOWN "TO REMAIN" THROUGHOUT DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL REPAIR AND REPLACE ALL DAMAGED SURFACES & ITEMS NOT SHOWN TO BE REMOVED.
- WHERE EXISTING FIXTURES AND/OR DEVICES ARE REMOVED, CONTRACTOR SHALL CLEAN PATCH AND REPAIR ALL EXPOSED AREAS OF THE CEILING AS REQUIRED FOR A CONSISTENT FINISH AND SEAMLESS TRANSITION TO SIMILAR ADJACENT SURFACES.
- CONTRACTOR SHALL TAKE SPECIAL CARE IN ROUTING OF ALL EXPOSED PIPES & CONDUIT IN PUBLIC AREAS, COORDINATE FINAL ROUTING WITH ARCHITECT PRIOR TO FABRICATION & INSTALLATION.
 - WHERE A NON-ACCESSIBLE CEILING IS INDICATED TO REMAIN AND IS LEFT EXPOSED TO VIEW, FIRST ROUTE ALL NEW MECHANICAL, ELECTRICAL, AND FIRE SUPPRESSION SYSTEM COMPONENTS ABOVE OTHER ADJACENT AREAS WHERE CEILINGS ARE PRESENT AND EASILY ACCESSIBLE.
 - IF NO ALTERNATIVE EXISTS, ALL SYSTEM COMPONENTS SHALL BE LAID OUT IN A NEAT AND ORGANIZED FASHION WITH PIPING AND CONDUITS SET STRAIGHT AND PLUMB. FIXTURES AND DEVICES SHALL BE ALIGNED WITH ALL OTHER ADJACENT FIXTURES AND DEVICES. CUT CLEAN PENETRATIONS, SEAL PROPERLY, AND PAINT ALL PIPING AND CONDUITS TO MATCH THE ADJACENT WALLS/CEILINGS.
 - TELECOMMUNICATIONS CABLES SHALL NOT BE PAINTED.
 - SURFACE-MOUNT RACEWAY SHALL NOT BE PAINTED.
 - "CLEANING OF PAINTED CABLE IS NOT ACCEPTABLE"
- SEE FLOOR PLANS FOR WALL TYPES AND LOCATIONS.
- SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR WORK IN MECHANICAL/ELECTRICAL ROOMS.

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 SHEET NAME: BASEMENT LEVEL CEILING PLAN
 A8.0



NOTE:
VERIFY PROPOSED CEILING HEIGHT DOES NOT CONFLICT W/ EXISTING CEILING DUCTWORK/EQUIPMENT PRIOR TO FABRICATION & INSTALLATION.

NOTE:
PROPOSED BAFFLE DESIGN INTENT IS TO EFFECTIVELY CONCEAL STRADDLE EXISTING REFRIGERANT LINESETS WITHOUT IMPEDING ON EXIT SIGNAGE VISIBILITY. COORDINATE FINAL ELEVATIONS TO EFFECTIVELY EXECUTE DESIGN INTENT - SEE A4.0.

LIGHT GRAY COMPONENTS INDICATE LOCATIONS OF EXISTING LINESETS

PROVIDE NEW JACKSHAFT OHD OPERATOR & POWER AT THE LOCATION INDICATED (MAKE MODEL AS RECOMMENDED BY EXISTING OVERHEAD DOOR MANUFACTURER FOR COMPATIBILITY). COORDINATE CLEARANCES & FINAL LOCATION AS REQUIRED FOR PROPER OPERATION

CEILING PLAN & ENLARGED CEILING PLANS - KEY NOTE LEGEND:	
<p>1. 2X2 ACT CEILING: PROVIDE AND INSTALL 2' X 2' ACOUSTICAL CEILING TILE & GRID. HEIGHT AS INDICATED ON THE PLAN.</p> <p>MFG: ARMSTRONG LINE: OPTIMA PB COLOR/FINISH: WHITE, TEGULAR EDGE SUSPENSION GRID FINISH: FLAT WHITE GRID WIDTH: 9/16"</p>	<p>3B. SUSPENDED 2X WOOD MEMBERS: PROVIDE & INSTALL 2X WOOD MEMBERS, SUPPORTING UNISTRUT, CABLE COUPLING, SUSPENSION SYSTEM & ALL OTHER ASSOCIATED ACCESSORIES.</p> <p>SPECIES/FINISH: WHITE OAK, VERTICAL GRAIN, CLEAR SEAL SIZES: 1.5"W X 9.25"D 72" & 120" LENGTHS - SEE CEILING PLAN SUSPENSION: UNISTRUT, AIRCRAFT CABLE & CABLE COUPLER</p>
<p>2. NOT USED</p>	<p>3C. 6" METAL TRIM: PROVIDE & INSTALL 6" METAL EDGE TRIM ALONG EXPOSED EDGE OF NEW 2X2 ACT CEILING.</p> <p>MFG: ARMSTRONG LINE: AXIOM CLASSIC, STRAIGHT COLOR: SILVER SATIN (SA)</p>
<p>3A. WOOD CEILING PANEL: PROVIDE & INSTALL WOOD ACOUSTIC CEILING PANELS W/ FELT BACKER, SUPPORTING UNISTRUT, BACKUP PLYWOOD PANEL, AIRCRAFT CABLE, MATCHING 1X EDGE TRIM & ALL OTHER ASSOCIATED ACCESSORIES.</p> <p>MFG: SUNWINGS (HOME DEPOT) (OR APPROV EQUIV) SPECIES/FINISH: NATURAL OAK BACKER COLOR: BLACK PANEL SIZE: 24" X 96"</p>	<p>4A. SUSPENDED LIGHT FIXTURE: REINSTALL SUSPENDED LIGHT FIXTURES, MOUNTED WITH AIRCRAFT CABLES TO THE UNDERSIDE OF STRUCTURE. SEE ELECTRICAL.</p> <p>4B. LIGHT FIXTURE AT ACT: REINSTALL LIGHT FIXTURES, SURFACE MOUNTED TO THE UNDERSIDE OF ACT GRID. SEE ELECTRICAL.</p> <p>5A. NEW MECHANICAL REGISTER/DIFFUSER: PROVIDE & INSTALL NEW REGISTER/DIFFUSER AT THE LOCATIONS INDICATED. EXTEND EXISTING DUCTWORK AS REQUIRED TO NEW TERMINAL & CAP EXISTING DUCT. SEE MECHANICAL.</p>

1 CEILING PLAN - BASEMENT LEVEL
1/4" = 1'-0"

NOTE:
MOUNT ALL ACOUSTIC CEILING PANELS @ CONSISTENT ELEVATION. ELEVATION SHALL BE DICTATED BY PANELS TO BE LOCATED ABOVE OHD TRACK & BELOW EXISTING DUCTWORK. FIELD VERIFY FINAL ELEVATIONS & REPORT ANY DISCREPANCIES TO THE OWNER & ARCHITECT.

MECHANICAL NOTES:

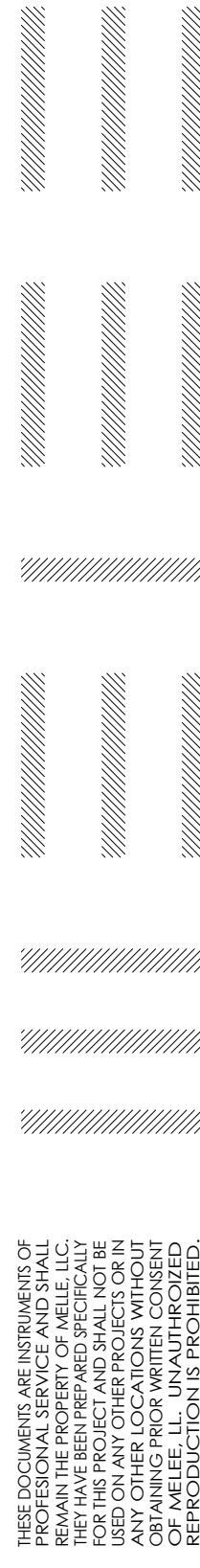
1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES, AS WELL AS LOCAL UTILITY REQUIREMENTS. PROVIDE ALL REQUIRED ACCESSORIES AND EQUIPMENT FOR A COMPLETE OPERATIONAL SYSTEM AND MAINTAIN WARRANTY REQUIREMENTS. VERIFY ALL EQUIPMENT PROVIDED IS SUITABLE FOR INTENDED USE.
2. WORK NOT SPECIFICALLY SHOWN IN DETAIL, REFERENCED, OR OTHERWISE IMPLIED, SHALL BE PROVIDED IN ACCORDANCE WITH TRADE OR INDUSTRY BEST STANDARD PRACTICES TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.
3. ALL MATERIALS SHALL BE NEW AND SHALL BE OF THE TYPE AND SHALL MEET THE CAPACITIES OF EQUIPMENT SPECIFIED ON THE DRAWINGS.
4. ALL EQUIPMENT LISTED UNDER THESE SPECIFICATIONS SHALL BE LIMITED TO PRODUCTS REGULARLY PRODUCED AND RECOMMENDED FOR SERVICE IN ACCORDANCE WITH ENGINEERING DATA, RATINGS, OR OTHER COMPREHENSIVE LITERATURE MADE AVAILABLE TO THE PUBLIC AND IN EFFECT AT THE TIME OF OPENING BIDS.
5. EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CODE REQUIREMENTS FOR TYPE AND CAPACITY OF EACH PIECE OF EQUIPMENT USED.
6. ALL CUTTING AND PATCHING REQUIRED FOR MECHANICAL WORK SHALL BE PERFORMED BY THE MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE. ALL FINISHED SURFACES THAT ARE CUT SHALL BE REPLACED IN KIND SO THERE IS NO VISIBLE EVIDENCE OF CUTTING AND/OR PATCHING.
7. INSTALL HANGERS AND SUPPORTS AS REQUIRED TO ADEQUATELY AND SECURELY SUPPORT MECHANICAL SYSTEM COMPONENTS IN A NEAT AND WORKMANLIKE MANNER. DO NOT FASTEN SUPPORTS TO PIPES, DUCTS, MECHANICAL EQUIPMENT, OR CONDUIT.
8. ALL DUCTWORK, ELBOWS, TRANSITIONS, CONNECTIONS, ETC SHALL BE BUILT AND SEALED IN ACCORDANCE WITH SMACNA AND NFPA 90A STANDARDS AND GUIDELINES.
 - A. DUCTS: G60 GALVANIZED STEEL, UNLESS OTHERWISE INDICATED.
 - B. LOW PRESSURE SUPPLY: 2 INCH W.G. PRESSURE CLASS, GALVANIZED STEEL.
 - C. RETURN AND RELIEF: 1 INCH W.G. PRESSURE CLASS, GALVANIZED STEEL.
 - D. GENERAL EXHAUST: 1 INCH W.G. PRESSURE CLASS, GALVANIZED STEEL.
 - E. SPIRAL DUCTS: ROUND SPIRAL LOCKSEAM DUCT WITH GALVANIZED STEEL OUTER WALL.
 - F. FLEXIBLE DUCTS: TWO PLY VINYL FILM SUPPORTED BY HELICALLY WOUND SPRING STEEL WIRE.
 - a. PRESSURE RATING: 10 INCHES WG (250 KPA) POSITIVE AND 1.0 INCHES WG (250 PA) NEGATIVE.
9. ALL EXPOSED DUCTWORK AND ACCESSORIES IN FINISHED AREAS SHALL BE PAINTED. REFER TO ARCHITECTURAL FOR COLOR.
10. COORDINATE DUCTWORK ROUTING AND EQUIPMENT WITH BUILDING STRUCTURE AND ALL OTHER TRADES.
11. DUCTWORK DIMENSIONS ARE INTERNAL, FREE AREA DIMENSIONS. LINED DUCTWORK SIZE SHALL BE INCREASED TO MAINTAIN REQUIRED FREE AREA. MAXIMUM HEIGHT OF DUCTWORK AND INSULATION SHALL BE LESS THAN 16".
12. DUCTWORK SUPPORTS SHALL BE SECURED TO STRUCTURE AT 5'-0" ON CENTER.
13. FLEXIBLE DUCTWORK SHALL ONLY BE ALLOWED WITHIN 5'-0" OF AIR TERMINAL. FLEXIBLE DUCTWORK SHALL BE PROPERLY SUPPORTED IF TURNING AN ANGLE GREATER THAN 30-DEGREES.
14. PROVIDE BALANCING DAMPERS ON ALL DUCT BRANCHES AS REQUIRED TO BALANCE SYSTEM. DAMPERS INCLUDED WITH DIFFUSERS AND GRILLES DO NOT CONSTITUTE AS BALANCING DAMPERS.
15. DUCT INSULATION:
 - A. GLASS FIBER, FLEXIBLE
 - a. INSULATION: ASTM C553; FLEXIBLE, NONCOMBUSTIBLE BLANKET.
 - b. VAPOR BARRIER JACKET: KRAFT PAPER WITH GLASS FIBER YARN AND BONDED TO ALUMINIZED FILM.
 - B. GLASS FIBER, RIGID
 - a. INSULATION: ASTM C612; RIGID, NONCOMBUSTIBLE BLANKET.
 - b. VAPOR BARRIER JACKET: KRAFT PAPER WITH GLASS FIBER YARN AND BONDED TO ALUMINIZED FILM.
 - C. DUCT LINER
 - a. GLASS FIBER INSULATION: NON-CORROSIVE, INCOMBUSTIBLE GLASS FIBER COMPLYING WITH ASTM C1071; FLEXIBLE BLANKET AND RIGID BOARD; IMPREGNATED SURFACE AND EDGES COATED WITH POLY VINYL ACETATE POLYMER, ACRYLIC POLYMER, OR BLACK COMPOSITE.
 - D. INSULATION SCHEDULE:
 - a. SUPPLY DUCT IN CONCEALED AREAS: 1-1/2" FLEXIBLE WRAP
 - b. SUPPLY DUCT IN UNCONDITIONED/EXTERIOR AREAS: 2" RIGID GLASS FIBER
 - c. OUTSIDE AIR DUCT: 2" RIGID GLASS FIBER
 - d. EXHAUST DUCT WITH-IN 3' OF EXTERIOR WALL OR ROOF: 1-1/2" FLEXIBLE WRAP
 - e. RETURN DUCT, SOUND ELBOWS AND TRANSFER DUCT: 1" LINER
16. ALL EXPOSED MATERIALS SHALL BE PLENUM RATED.
17. NO LOADS SHALL BE PERMITTED TO BE HUNG FROM ROOF DECKING. ALL HANGERS SHALL BE HUNG DIRECTLY FROM STRUCTURE.
18. PROVIDE THIRD PARTY TESTING AND BALANCING OF MECHANICAL SYSTEM. REPORT RESULTS TO OWNER.
19. PROVIDE AS-BUILT DRAWINGS FOR MECHANICAL SYSTEMS WITHIN 30 DAYS OF FINAL COMPLETION.
20. PROVIDE O&M MANUALS FOR ALL SYSTEMS AND EQUIPMENT TO OWNER WITHIN 30 DAYS OF FINAL COMPLETION.
21. COORDINATE LOCATIONS OF CEILING FIXTURES AND DEVICES WITH ALL TRADES. ALIGN CENTERLINE OF FIXTURES AND DEVICES WHEREVER POSSIBLE.

GRILLES/REGISTERS/DIFFUSERS SCHEDULE											
Mark	Manufacturer	Model	Frame Size (in)	Type	NC	Neck Size (in)	Border/Frame	Material		Finish	Notes
								AL	ST		
R-1	Titus	50F	24"x24"	Return Grille, Eggcrate	<30	22x22	Lay-in	X		White	3
S-1	Titus	OMNI	24x24	Architectural Ceiling Diffuser, Square Cone, Plaque Face	<30	See Dwgs	Lay-in	X		White	1,3

Notes:

1. Provide with radial opposed blade damper and equalizing grid.
2. Provide with opposed blade damper.
3. Provide with opposed blade damper and foam gasket.
4. Approved Manufacturers: Carnes, Krueger, Metal aire, Nailor, Price, Tuttle & Bailey

MECHANICAL LEGEND	
	CO2 SENSOR
	THERMOSTAT
EA	EXHAUST AIR
OA	OUTDOOR AIR
RA	RETURN AIR
SA	SUPPLY AIR
	AIRFLOW DIRECTION
	DIFFUSER WITH PATTERN CONTROLLER
X-#	DIFFUSER/GRILLE TAG NUMBER
#"	NECK SIZE
### CFM	AIRFLOW



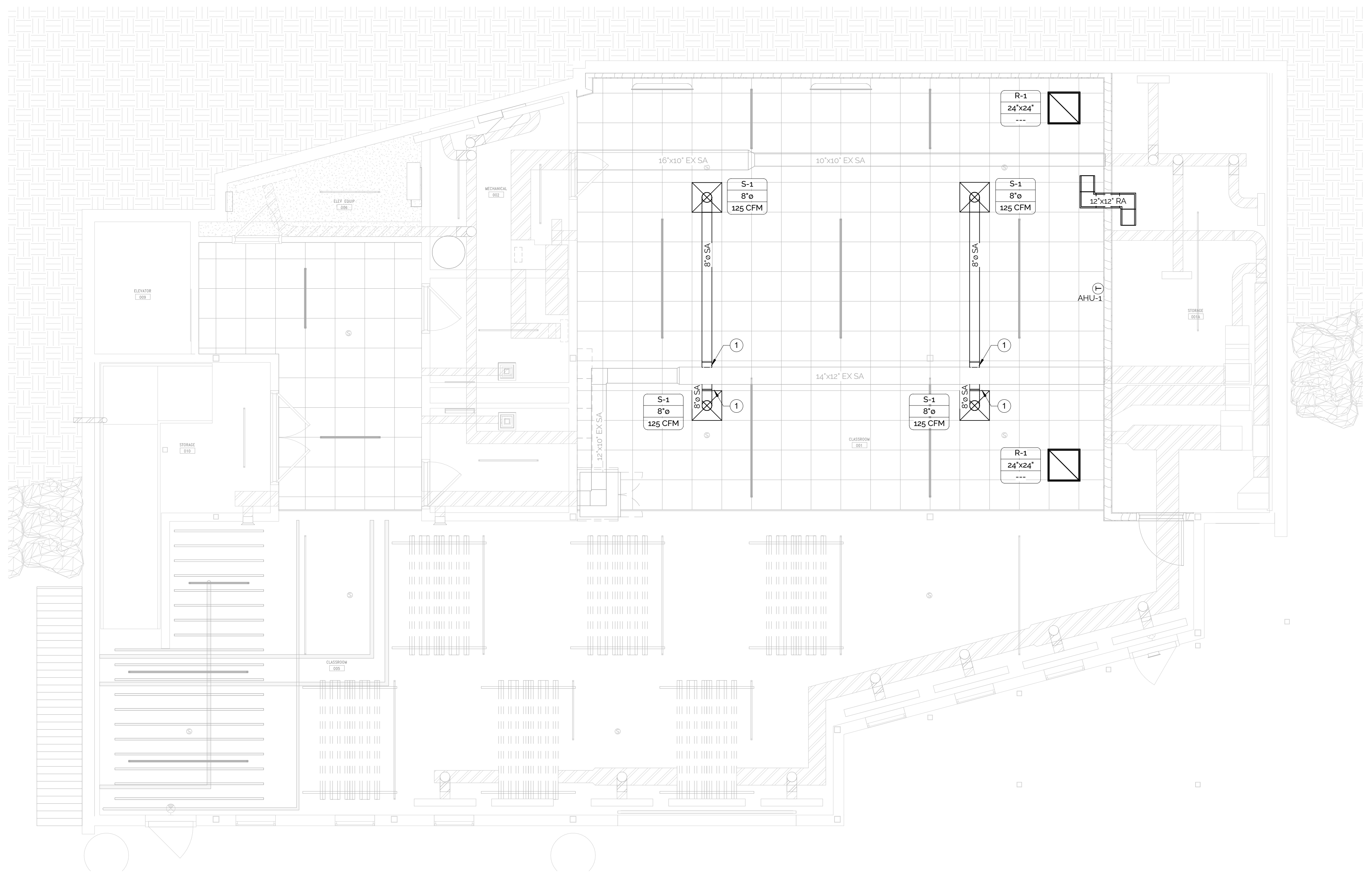
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 ADDRESS: ENVIRONMENTAL EDUCATION CENTER
 CLING 528 LIBERTY AVE; NEWTON, IOWA 50208

DATE: 2026-03-02
 SHEET NAME: MECHANICAL NOTES & SCHEDULES

M0.0



2 MECHANICAL CEILING PLAN - BASEMENT LEVEL
1/4" = 1'-0"

STUDIO M E L E E
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DATE: 2026-03-02
SHEET NAME: BASEMENT LEVEL MECH
CEILING PLAN

M8.0

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ELECTRICAL NOTES:

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES, AS WELL AS LOCAL UTILITY REQUIREMENTS. PROVIDE ALL REQUIRED ACCESSORIES AND EQUIPMENT FOR A COMPLETE OPERATIONAL SYSTEM AND MAINTAIN WARRANTY REQUIREMENTS. VERIFY ALL EQUIPMENT PROVIDED IS SUITABLE FOR INTENDED USE. INSTALL ALL EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- WORK NOT SPECIFICALLY SHOWN IN DETAIL, REFERENCED, OR OTHERWISE IMPLIED, SHALL BE PROVIDED IN ACCORDANCE WITH TRADE OR INDUSTRY BEST STANDARD PRACTICES TO PROVIDE A COMPLETE OPERATIONAL SYSTEM.
- CIRCUIT ROUTING INDICATED IS DIAGRAMMATIC. WHEN CIRCUIT DESTINATION IS INDICATED AND ROUTING IS NOT SHOWN, DETERMINE EXACT ROUTING REQUIRED.
- COORDINATE EXACT WIRING REQUIREMENTS WITH MANUFACTURER'S REQUIREMENTS FOR EACH FIXTURE AND PIECE OF EQUIPMENT.
- CONDUCTORS:
 - MATERIAL
 - ALL CONDUCTORS SHALL BE COPPER. ALUMINUM CONDUCTORS ARE NOT PERMITTED UNLESS OTHERWISE NOTED.
 - NONMETALLIC SHEATHED CABLE, ARMORED CABLE, AND METAL-CLAD CABLE ARE NOT PERMITTED.
 - EXCEPTION: MC CABLING IS ALLOWED FOR CONNECTIONS TO RECESSED LIGHT FIXTURES. LENGTH SHALL NOT EXCEED 5'-0".
 - SIZING
 - 20A CIRCUITS UP TO 75' SHALL BE MINIMUM SIZE #12 AWG CONDUCTORS.
 - 20A CIRCUITS FROM OVER 75' AND UNDER 150' SHALL BE MINIMUM SIZE #10 AWG CONDUCTORS.
 - 20A CIRCUITS OVER 150' AND UNDER 250' SHALL BE MINIMUM SIZE #8 AWG CONDUCTORS.
 - 20A CIRCUITS ABOVE 250' SHALL BE MINIMUM SIZE #6 AWG CONDUCTORS.
 - CONTROL CIRCUITS SHALL BE MINIMUM SIZE #14 AWG CONDUCTORS.
 - WHERE CONDUCTOR SIZING IS NOT INDICATED, SIZE TO COMPLY WITH NFPA 70 AND MANUFACTURER'S REQUIREMENTS. COMPLY WITH LARGEST SIZE REQUIRED.
 - SINGLE CONDUCTOR BUILDING WIRE
 - FEEDERS AND BRANCH CIRCUITS
 - SIZE #10 AWG AND SMALLER: SOLID.
 - SIZE #8 AWG AND LARGER: STRANDED.
 - CONTROL CIRCUITS: STRANDED.
 - INSULATION
 - VOLTAGE RATING: 600V
 - COPPER BUILDING WIRE: TYPE THHN/THWN OR THHN/THWN-2 EXCEPT AS NOTED BELOW.
 - SIZE #4 AWG AND LARGER: TYPE XHHW-2
 - INSTALLED UNDERGROUND: TYPE XHHW-2
- INSTALL HANGERS AND SUPPORTS AS REQUIRED TO ADEQUATELY AND SECURELY SUPPORT ELECTRICAL SYSTEM COMPONENTS IN A NEAT AND WORKMANLIKE MANNER AS SPECIFIED IN NECA 1. DO NOT FASTEN SUPPORTS TO PIPES, DUCTS, MECHANICAL EQUIPMENT, OR CONDUIT.
- CONDUIT
 - INSTALL CONDUIT SECURELY IN A NEAT AND WORKMANLIKE MANNER AS SPECIFIED IN NECA 1.
 - INSTALL NO MORE THAN EQUIVALENT OF THREE 90 DEGREE BENDS BETWEEN BOXES. USE CONDUIT BODIES TO MAKE SHARP CHANGES IN DIRECTION, AS AROUND BEAMS. SUPPORT CONDUIT USING COATED STEEL OR MALLEABLE IRON STRAPS. LAY-IN ADJUSTABLE HANGERS, CLEVIS HANGERS, AND SPLIT HANGERS.
 - APPLICATIONS
 - UNDERGROUND: RIGID PVC.
 - CONCEALED WITHIN MASONRY OR HOLLOW STUD WALLS OR ABOVE ACCESSIBLE CEILINGS: ELECTRICAL METALLIC TUBING (EMT).
 - INTERIOR DAMP OR WET LOCATIONS: GALVANIZED STEEL RIGID METAL CONDUIT.
 - EXPOSED INTERIOR, NOT SUBJECT TO PHYSICAL DAMAGE: ELECTRICAL METALLIC TUBING (EMT).
 - EXPOSED INTERIOR, SUBJECT TO PHYSICAL DAMAGE: GALVANIZED STEEL RIGID METAL CONDUIT OR INTERMEDIATE METAL CONDUIT (IMC).
 - LOCATIONS SUBJECT TO PHYSICAL DAMAGE INCLUDE, BUT ARE NOT LIMITED, TO LOCATIONS WHERE CONDUIT IS EXPOSED BELOW 8'-0", EXCEPT WITHIN ELECTRICAL/COMMUNICATIONS ROOMS AND CLOSETS.
 - EXPOSED EXTERIOR: GALVANIZED STEEL RIGID METAL CONDUIT OR PVC-COATED GALVANIZED STEEL RIGID METAL CONDUIT.
 - CONNECTIONS TO VIBRATING EQUIPMENT
 - DRY LOCATIONS: FLEXIBLE METAL CONDUIT.
 - DAMP, WET, OR CORROSIVE LOCATIONS: LIQUIDTIGHT FLEXIBLE METAL CONDUIT.
 - MAXIMUM LENGTH: 6 FEET UNLESS OTHERWISE INDICATED.
 - SIZE
 - BRANCH CIRCUITS: 1/2" TRADE SIZE.
 - BRANCH CIRCUIT HOMERUNS: 3/4" TRADE SIZE.
 - FLEXIBLE CONNECTIONS TO LUMINAIRES: 3/8" TRADE SIZE.
 - UNDERGROUND, INTERIOR: 3/4" TRADE SIZE.
 - UNDERGROUND, EXTERIOR: 1" TRADE SIZE.
 - WHERE CONDUIT SIZE IS NOT INDICATED, SIZE TO COMPLY WITH NFPA 70 BUT NOT LESS THAN APPLICABLE MINIMUM SIZE REQUIREMENTS SPECIFIED.
- INSTALL DISCONNECT SWITCHES, CONTROLLERS, CONTROL STATIONS, AND CONTROL DEVICES TO COMPLETE EQUIPMENT WIRING REQUIREMENTS.
- JUNCTION BOXES SHALL NOT BE LOCATED IN NON-ACCESSIBLE LOCATIONS.
- USE FAR-SIDE SUPPORT TO SECURE FLUSH-MOUNTED BOXES SUPPORTED FROM SINGLE STUD IN HOLLOW STUD WALLS. REPAIR OR REPLACE SUPPORTS FOR BOXES THAT PERMIT EXCESSIVE MOVEMENT.
- NO LOADS SHALL BE PERMITTED TO BE HUNG FROM ROOF DECKING. ALL HANGERS SHALL BE HUNG DIRECTLY FROM STRUCTURE OR SUPPLEMENTARY MEMBERS ACCEPTABLE TO THE STRUCTURAL ENGINEER AND ONLY WITH PRIOR APPROVAL.
- LIGHTING CONTROLS
 - LIGHTING CONTROL SYSTEM SHOWN IS DIAGRAMMATIC ONLY. COORDINATE EXACT CONTROLS LOCATIONS WITH MANUFACTURER'S RECOMMENDATIONS.
 - TEST LIGHTING SYSTEMS TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING, AND OPERATION.
 - OCCUPANCY SENSORS
 - MANUFACTURERS: ACUITY BRANDS, HUBBELL INCORPORATED, ILC, STEINEL, WATTSTOPPER.
 - TURN-OFF DELAY: FIELD ADJUSTABLE WITH TIME DELAY SETTINGS UP TO 30 MINUTES.
 - SENSITIVITY: FIELD ADJUSTABLE.
 - ADAPTIVE TECHNOLOGY: FIELD SELECTABLE, CAPABLE OF SELF-ADJUSTING SENSITIVITY AND TIME DELAY ACCORDING TO CONDITIONS.
 - COMPATIBILITY (NON-DIMMING SENSORS): SUITABLE FOR CONTROLLING INDICATED LOADS WITH NO MINIMUM LOAD REQUIREMENTS.
 - ISOLATED RELAY FOR LOW VOLTAGE OCCUPANCY SENSORS: SPDT DRY CONTACTS, RATINGS AS REQUIRED FOR INTERFACE WITH SYSTEM INDICATED.
 - POWER PACKS FOR LOW VOLTAGE OCCUPANCY SENSORS
 - PLENUM RATED, SELF-CONTAINED LOW VOLTAGE CLASS 2 TRANSFORMER AND RELAY COMPATIBLE WITH SPECIFIED LOW VOLTAGE OCCUPANCY SENSORS FOR SWITCHING OF LINE VOLTAGE LOADS.
 - PROVIDE QUANTITY AND CONFIGURATION OF POWER AND SLAVE PACKS WITH ALL ASSOCIATED WIRING AND ACCESSORIES AS REQUIRED TO CONTROL THE LOAD INDICATED ON DRAWINGS.
 - INPUT SUPPLY VOLTAGE: DUAL RATE FOR 120/277V AC.
- REFER TO PANEL SCHEDULES FOR CIRCUITING OF DEVICES SHOWN ON FLOOR PLANS.
- PROVIDE TYPE-WRITTEN PANEL DIRECTORY ON ELECTRICAL PANELS. HANDWRITTEN TEXT IS NOT ACCEPTABLE.
- LABEL CIRCUITS WITH TYPE-WRITTEN LABELS AT ALL EQUIPMENT AND RECEPTACLE LOCATIONS. LABELS IN COMMON AREAS AND OFFICES SHALL BE ON THE BACKSIDE OF COVER PLATES.
- PROVIDE TAMPER RESISTANT RECEPTACLES IN CORRIDORS PER NEC 406.12.
- ALL POWER DEVICES IN WITHIN 6'-0" OF ANY SINK SHALL BE GFCI-PROTECTED PER NEC 210.8(B). REFER TO DRAWINGS FOR MORE INFORMATION.
- COORDINATE COLOR OF RECEPTACLES AND COVER PLATES TO MATCH THE COLOR SCHEME PER ARCHITECTURAL DRAWINGS.
- EMERGENCY LIGHTS AND EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED LEG OF CIRCUIT SERVING ADJACENT LIGHTING WITHIN THE AREA.
- COORDINATE LOCATIONS OF CEILING FIXTURES AND DEVICES WITH ALL TRADES. ALIGN CENTERLINE OF FIXTURES AND DEVICES WHEREVER POSSIBLE.
- PROVIDE WIRING AND CONNECTION FOR ALL TELEVISION, TELEPHONE, AND DATA FROM THE DEMARCATION POINT(S) OF ORIGINATION TO EACH TERMINAL LOCATION. THIS INCLUDES, BUT IS NOT LIMITED TO, EMERGENCY SYSTEM(S), AND TELEPHONES. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH OWNER AND EQUIPMENT MANUFACTURERS.
- ALL EXPOSED CABLING SHALL BE PLENUM RATED.
- PROVIDE AS-BUILT DRAWINGS FOR ELECTRICAL SYSTEMS WITHIN 30 DAYS OF FINAL COMPLETION.
- PROVIDE O&M MANUALS FOR ALL SYSTEMS AND EQUIPMENT TO OWNER WITHIN 30 DAYS OF FINAL COMPLETION.

Branch Panel: A

Location: MECHANICAL 002
 Supply From:
 Mounting: Surface
 Enclosure: Type 1

Volts: 120/208 Wye
 Phases: 3
 Wires: 4

A.I.C. Rating: 65000
 Mains Type: MCB
 Mains Rating: 400 A
 MCB Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT		
1	Rcpt - Kit 102A Ctr (Ex)	20 A	1	360 VA	547 VA			1	20 A	Lts - Office (Ex)	2	
3	Rcpt - RR 105/106 (Ex)	20 A	1		360 VA	879 VA		1	20 A	Lts - 1st Floor Lab/Lobby (Ex)	4	
5	Elev Cab (Ex)	20 A	1			500 VA	540 VA	1	20 A	Rcpt - Basement RR/Mech (Ex)	6	
7	Rcpt - Lab 102 N (Ex)	20 A	1	540 VA	720 VA			1	20 A	Rcpt - Exterior (Ex)	8	
9	Water Cooler (GFI) (Ex)	15 A	1		600 VA	840 VA		1	20 A	Fridge - Kit 102A (GFI) (Ex)	10	
11	Lts - Exterior (Ex)	20 A	1			1195...	960 VA	1	20 A	Rcpt - Kit 102A Ctr (Ex)	12	
13	Hand Dryer - 003 (Ex)	15 A	1	1000...	1200...			1	20 A	Rcpt - Office 103 Ctr (Ex)	14	
15	Rcpt - Lobby 100 (Ex)	20 A	1		1080...	1620...		1	20 A	Rcpt - Commons 101 (Ex)	16	
17	Rcpt - Office 103 (Ex)	20 A	1			1080...	1260...	1	20 A	Rcpt - Conference 104 (Ex)	18	
19	Rcpt - Stor 107/Office 108 (Ex)	20 A	1	1440...	1800...			1	20 A	Rcpt - Office 103 Cubbies (Ex)	20	
21	Copier (Ex)	20 A	1		1500...	2080...		2	25 A	HP-1	22	
23	Lts - Basement (Ex)	20 A	1			1550...	2080...	1	20 A	Elevator Sump (Ex)	24	
25	Septic (Ex)	40 A	2	0 VA	180 VA			1	20 A	Elevator Sump (Ex)	26	
27					0 VA	2080...		2	25 A	HP-2 (Ex)	28	
29	Rcpt - Grow Wall (GFI) (Ex)	20 A	1			180 VA	2080...	1	20 A	Rcpt - Telecom (Ex)	30	
31	EW/H-1 (Ex)	20 A	2	2288...	360 VA			1	20 A	Rcpt - Telecom (Ex)	32	
33					2288...	2500...		2	30 A	Dryer (Ex)	34	
35	HP-4 (Ex)	40 A	2	3380...	4550...			2	60 A	HP-3 (Ex)	36	
37					3380...	4550...		2	60 A	HP-3 (Ex)	38	
39	AHU-4 (Ex)	80 A	2			7696...	4550...				40	
41							7696...	6344...	2	70 A	AHU-2 (Ex)	42
43	AHU-1 (Ex)	70 A	2	6344...	6344...						44	
45						6344...	360 VA	1	20 A	Rcpt - Elevator (Ex)	46	
47	AHU-3 (Ex)	100 A	2				10296...	360 VA	1	20 A	Washer (GFI) (Ex)	48
49	Rcpt - Telecom (Ex)	20 A	1	10296...	1440...			1	20 A	Rcpt - Basement E (Ex)	50	
51	Rcpt - Lab 102 S (Ex)	20 A	1		360 VA	900 VA		1	20 A	Rcpt - Basement W (Ex)	52	
53	Hand Dryer - 004 (Ex)	15 A	1	1000...	4095...			1	15 A	Hand Dryer - RR 106 (Ex)	54	
55	Hand Dryer - RR 105 (Ex)	15 A	1		1000...	4095...		3	100 A	Elevator (Ex)	56	
57					1000...	4095...					58	
59	Door Opener	20 A	1				1012...	4095...			60	
61	Mini-Split (Ex)	20 A	2	936 VA	840 VA			1	20 A	Fridge - Basement (GFI)	62	
63					936 VA	180 VA		1	20 A	Freezer - Basement	64	
65	Rcpt - Basement N Wall	20 A	1				1260...	--	1	--	66	
67	Space	--	1	--	--			1	--	Space	68	
69	Space	--	1		--	--		1	--	Space	70	
71	Space	--	1				--	--	1	--	72	
73	Space	--	1	--	--			1	--	Space	74	
75	Space	--	1		--	--		1	--	Space	76	
77	Space	--	1				--	--	1	--	78	
79	Space	--	1	--	--			1	--	Space	80	
81	Space	--	1		--	--		1	--	Space	82	
83	Space	--	1				--	--	1	--	84	
				Total Load:	49660 VA	42248 VA	50268 VA					
				Total Amps:	423 A	352 A	428 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Motor	1012 VA	100.00%	1012 VA	
Other	0 VA	0.00%	0 VA	
				Total Conn. Load: 142176 VA
				Total Est. Demand: 142176 VA
				Total Conn. Current: 395 A
				Total Est. Demand Current: 395 A

Notes:

PROVIDE PROVISIONS FOR FEED THRU LUGS

ELECTRICAL LEGEND

- ⊕ 20A DUPLEX POWER RECEPTACLE
- ⊕ 20A DUPLEX POWER RECEPTACLE MOUNTED ABOVE SHOWROOM WINDOW
- ⊕ GFI 20A DUPLEX GFI POWER RECEPTACLE
- ⊕ CTR 20A DUPLEX POWER RECEPTACLE (COUNTER HEIGHT)
- ⊕ USB 20A DUPLEX POWER RECEPTACLE (W/ USB)
- ⊕ FLOOR BOX W/ (2) DUPLEX POWER RECEPTACLES AND (4) RJ45 DATA PORTS
- ⊕ 208V POWER RECEPTACLE
- ⊕ EQUIPMENT POWER CONNECTION
- ⊕ EXHAUST FAN/OVERHEAD DOOR
- ⊕ EQUIPMENT DISCONNECT SWITCH
- ⊕ PUMP W/ DISCONNECT SWITCH
- ⊕ MOTORIZED SCREEN SWITCH
- ⊕ GARAGE OPENER SWITCH
- S SINGLE POLE SWITCH
- S³ THREE WAY SWITCH
- S⁴ FOUR WAY SWITCH
- S^{DM} DIMMER SWITCH
- ⊕ CEILING OCCUPANCY SENSOR
- ⊕ CEILING VACANCY SENSOR
- ⊕ WALL OCCUPANCY/VACANCY SENSOR
- ⊕ CEILING DAYLIGHT PHOTOSENSOR
- ▼# VOICE/DATA JACK W/ PORT QUANTITY
- ⊕ CEILING COAX JACK
- ⊕ WALL COAX JACK
- ⊕ HDMI JACK
- ⊕ SATELLITE DISH LOCATION

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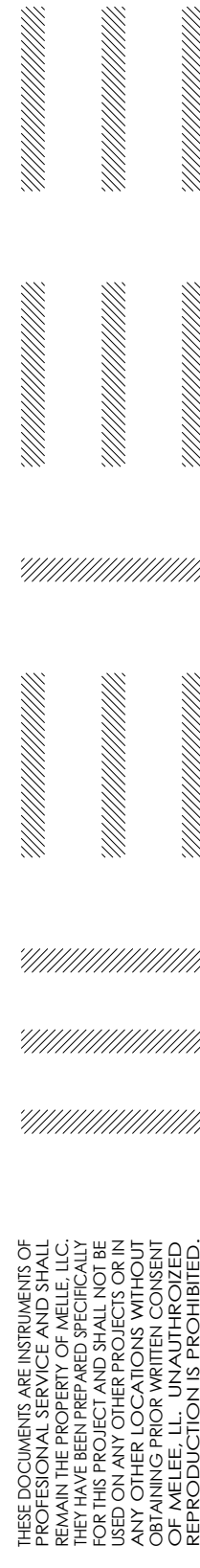
PROJECT: JASPER COUNTY CONSERVATION
 ADDRESS: ENVIRONMENTAL EDUCATION CENTER
 528 LIBERTY AVE; NEWTON, IOWA 50208

PROJECT DATE: 2026-03-02
 SHEET NAME: ELECTRICAL NOTES & SCHEDULES

E0.0

KEYED NOTES - ELEC FLOOR

- 1 CENTER DEVICE BETWEEN WOOD WAINSCOT PANEL JOINTS. REFER TO ARCHITECTURAL ELEVATIONS.
- 2 INSTALL EXISTING FIXTURE/DEVICE AT NEW ELEVATION. EXTEND CONDUCTORS AS REQUIRED.
- 3 INSTALL NEW FIXTURE/ DEVICE.



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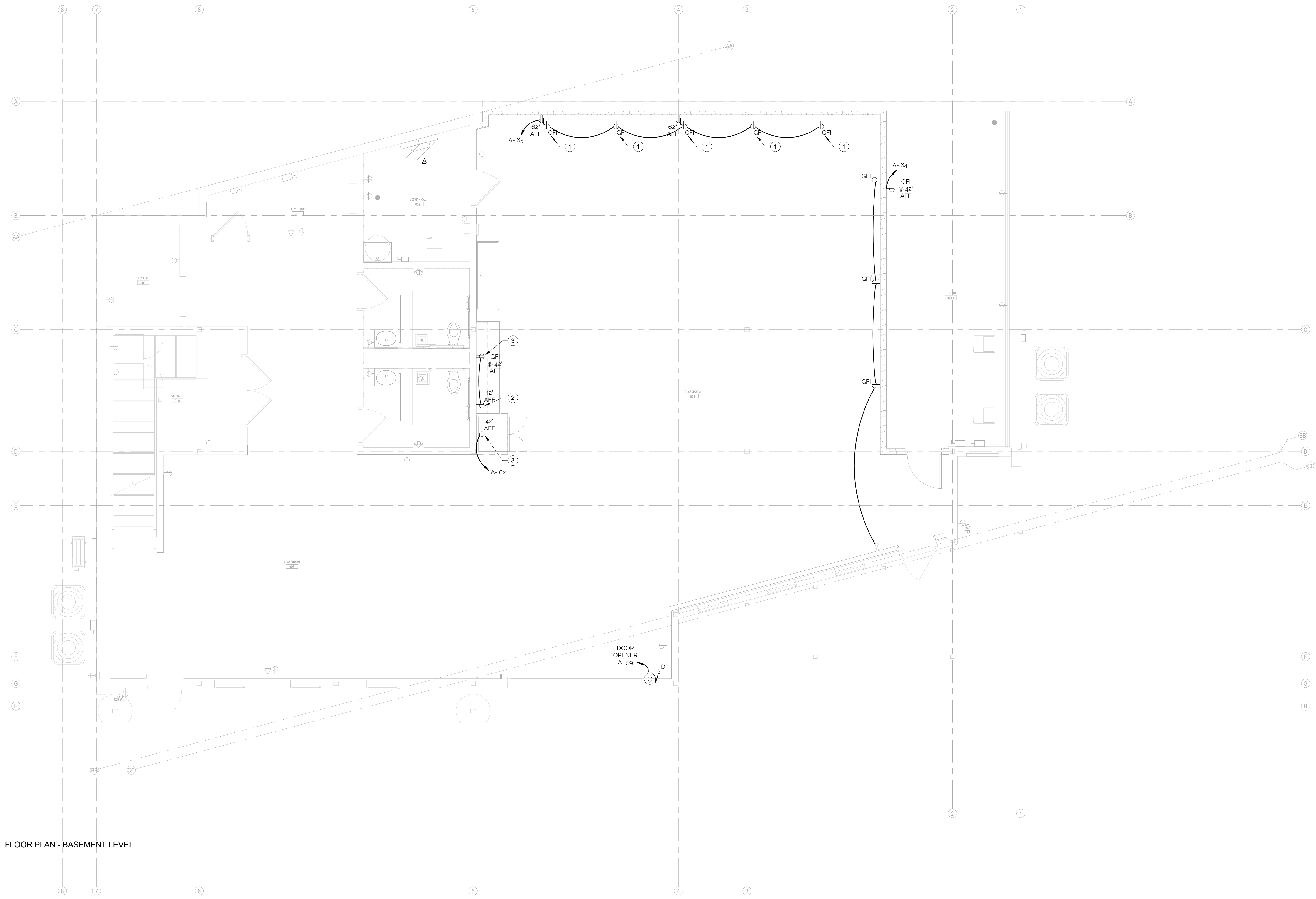
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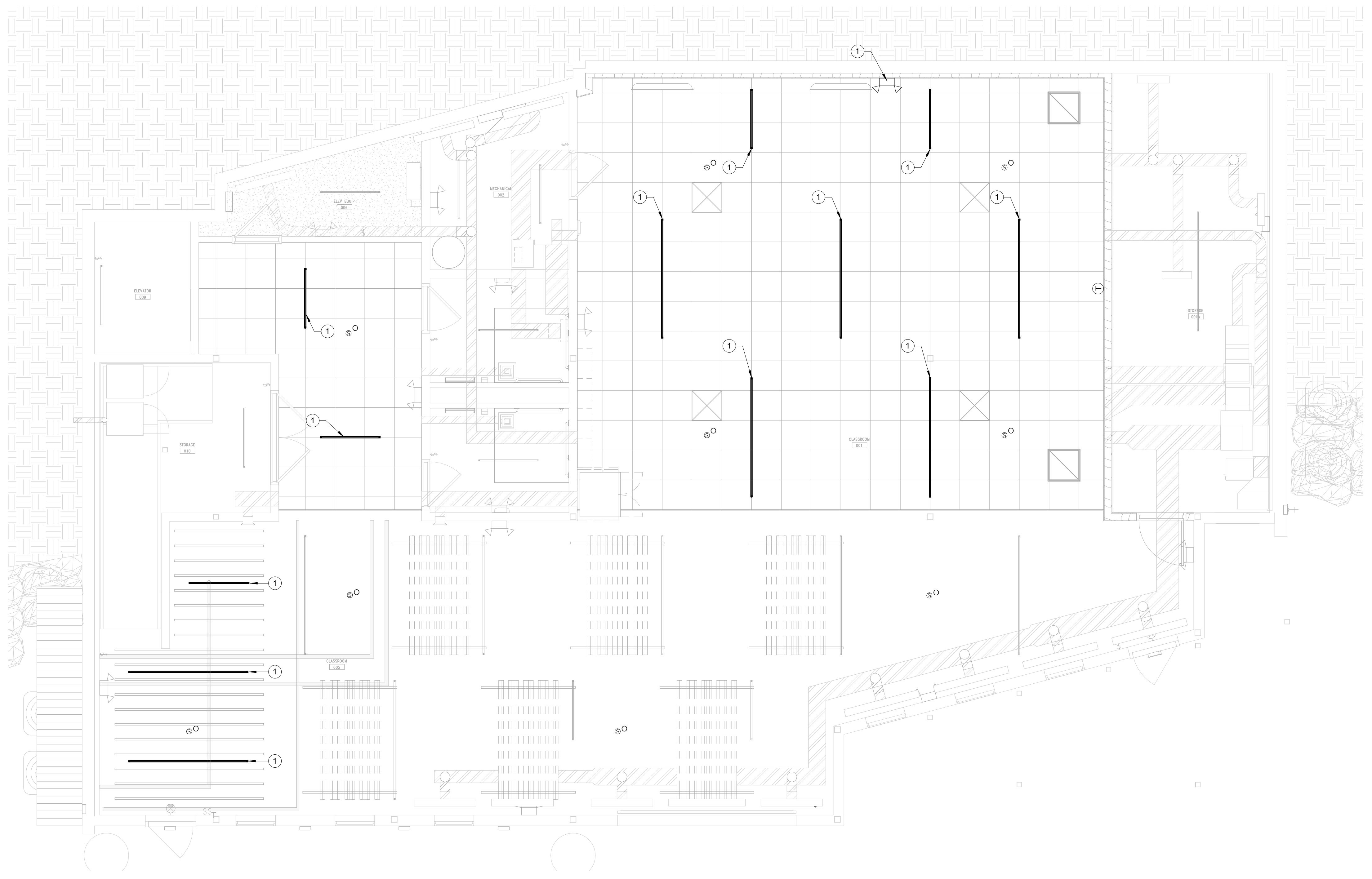
DATE: 2026-03-02
SHEET NAME: BASEMENT LEVEL
ELECTRICAL FLOOR PLAN

E1.0

1 ELECTRICAL FLOOR PLAN - BASEMENT LEVEL
1/4" = 1'-0"



KEYED NOTES - ELEC CEILING
 1 REINSTALL EXISTING FIXTURE/DEVICE IN NEW LOCATION TO ACCOMMODATE FRAMING/CEILING. EXTEND CONDUCTORS AS REQUIRED.



② ELECTRICAL CEILING PLAN - BASEMENT LEVEL
 1/4" = 1'-0"

STUDIO M E L E E
 139 4th STREET
 DES MOINES, IOWA 50265

PROJECT: JASPER COUNTY CONSERVATION
 ENVIRONMENTAL EDUCATION CENTER
 ADDRESS: 528 LIBERTY AVE; NEWTON, IOWA 50208

DATE: 2026-03-02
 SHEET NAME: BASEMENT LEVEL
 ELECTRICAL CEILING PLAN

E8.0

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