

GENERAL DEMOLITION NOTES:

1. EXISTING CONDITIONS ILLUSTRATED AS OF DECEMBER 2011.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS FOR SIZES, QUANTITIES, AND LOCATIONS.
3. ALL EXISTING ITEMS TO REMAIN SHALL BE PROTECTED DURING DEMOLITION AND NEW CONSTRUCTION.
4. IN AREAS OF WORK, AT EXISTING WALLS TO REMAIN WHERE OUTLETS, THERMOSTATS, LIGHT FIXTURES, PIPING, ATTACHMENTS AND DEVICES ARE REMOVED, PATCH AND REPAIR WALL TO MATCH EXISTING WALL.
5. PATCH WALLS WHERE EXISTING SPEAKERS AND BRACKETS ARE REMOVED BY OWNER.
6. REMOVE PLASTER AS REQUIRED ON EXISTING WALLS FOR INSTALLATION OF NEW THERMOSTATS, SWITCHES, OR OUTLETS. PATCH PLASTER FLUSH FOR SMOOTH FINISH.
7. CONTRACTOR SHALL CONSTRUCT TEMPORARY WALL AT ENTRANCE TO SPACE TO KEEP DUST, DEBRIS OUT OF MAIN HALLWAY. NO WORK OR STORAGE OF MATERIALS SHALL OCCUR IN MAIN HALLWAY. MAIN HALL SHALL BE KEPT CLEAN AND CLEAR OF ALL DEBRIS.

DEMOLITION NOTES TO SHEET:

WALLS & DOORS / FRAMES

- (D1) REMOVE EXISTING DOOR, HOLLOW METAL FRAME, CMU/ BRICK WALL AND STEEL LINTEL AS REQUIRED FOR NEW HOLLOW METAL FRAME AND DOOR. SHORE EXISTING WALL AS REQUIRED DURING DEMOLITION. PREPARE WALL FOR NEW HOLLOW METAL FRAME, DOORS AND HARDWARE.
- (D2) REMOVE EXISTING DOOR INCLUDING ALL ASSOCIATED HARDWARE. PREPARE FRAME FOR NEW DOORS, HARDWARE AND PAINTING.

FLOORING

- (F1) REMOVE CARPET AND ALL ASSOCIATED MASTIC AND RESIDUE IN THEIR ENTIRETY. TYPICAL ENTIRE ROOM. REMOVE ASSOCIATED WALL BASE AND TRANSITION STRIPS. PREPARE SURFACES AS REQ'D TO RECEIVE NEW FLOORING AS SCHEDULED. REMOVE METAL EDGE STRIPS AT AISLE STEPS.
- (F2) REMOVE EXISTING VCT AND ALL ASSOCIATED ADHESIVES AND RESIDUE IN THEIR ENTIRETY. TYPICAL ENTIRE ROOM. REMOVE ASSOCIATED VINYL WALL BASE & MASTIC AND TRANSITION STRIPS. PREPARE SURFACES TO RECEIVE NEW FLOORING AS SCHEDULED.
- (F3) REMOVE EXISTING RAMP AND RAISED FLOORING SYSTEM. PREPARE SURFACE TO RECEIVE NEW FLOORING AS SCHEDULED.

MISCELLANEOUS (EQUIPMENT, SHELVING, ETC.)

- (M1) REMOVE ALL EXISTING FIXED AUDITORIUM SEATS IN THEIR ENTIRETY, INCLUDING STANDARDS AND FASTENERS. PATCH CONCRETE FLOOR AND RISERS SMOOTH AND FLUSH.
- (M2) REMOVE EXISTING CASEWORK, COUNTERTOP AND PLUMBING FIXTURES IN THEIR ENTIRETY. CAP PLUMBING, GAS, AND WASTE LINES AS REQUIRED TO BE CONNECTED TO NEW PLUMBING FIXTURES.
- (M3) REMOVE EXISTING MOTORIZED MARKERBOARD IN ITS ENTIRETY. SEE ELECTRICAL DRAWINGS.
- (M4) REMOVE EXISTING FIXED PROJECTION SCREEN IN ITS ENTIRETY. PATCH EXISTING PLASTER WALL SMOOTH.
- (M5) REMOVE EXISTING PERIODIC TABLES AND STORE FOR RE-INSTALLATION.
- (M6) REMOVE EXISTING SPEAKERS (OWNER TO REMOVE). PATCH EXISTING PLASTER WALL SMOOTH.
- (M7) REMOVE EXISTING "PLEASE NO FOOD OR DRINK" SIGN AND STORE FOR RE-INSTALLATION. PATCH EXISTING PLASTER WALL SMOOTH.
- (M8) OWNER TO REMOVE EXISTING PROJECTOR AND MOUNT. CONTRACTOR SHALL INSTALL NEW CEILING TILES TO MATCH EXISTING.

PLUMBING

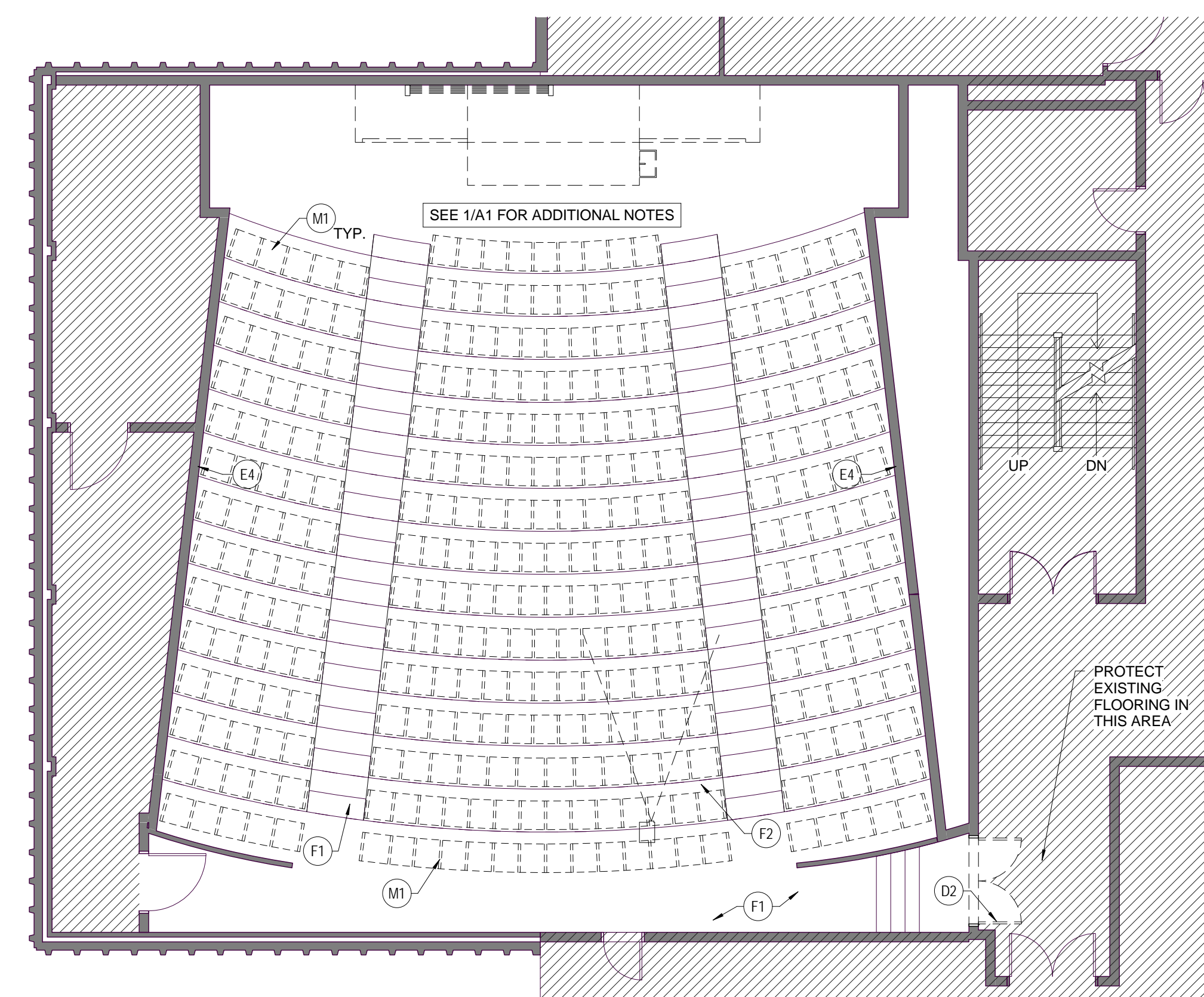
- (P1) EXISTING SINK TO BE REMOVED IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED PIPING. PATCH EXISTING SLAB AT PENETRATION. SEE PLUMBING DRAWINGS.

ELECTRICAL

- (E1) EXISTING ELECTRICAL SWITCHES TO BE MOVED. SEE ELECTRICAL DRAWINGS. PATCH EXISTING PLASTER WALL SMOOTH AND FLUSH.
- (E2) EXISTING "EYEBALL" LIGHT FIXTURES TO BE REMOVED IN THEIR ENTIRETY (10 TOTAL, FIELD VERIFY QUANTITY). SEE ELECTRICAL DRAWINGS. PATCH EXISTING PLASTER SOFFIT SMOOTH AND FLUSH AND REPAINT TO MATCH EXISTING.
- (E3) REMOVE EXISTING LIGHT LENSES TO RECEIVE NEW PRISMATIC LENSES (33 TOTAL, FIELD VERIFY QUANTITY). SEE ELECTRICAL DRAWINGS.
- (E4) REMOVE EXISTING ELECTRICAL BOX AND CONDUIT. PATCH EXISTING WOOD TRIM.

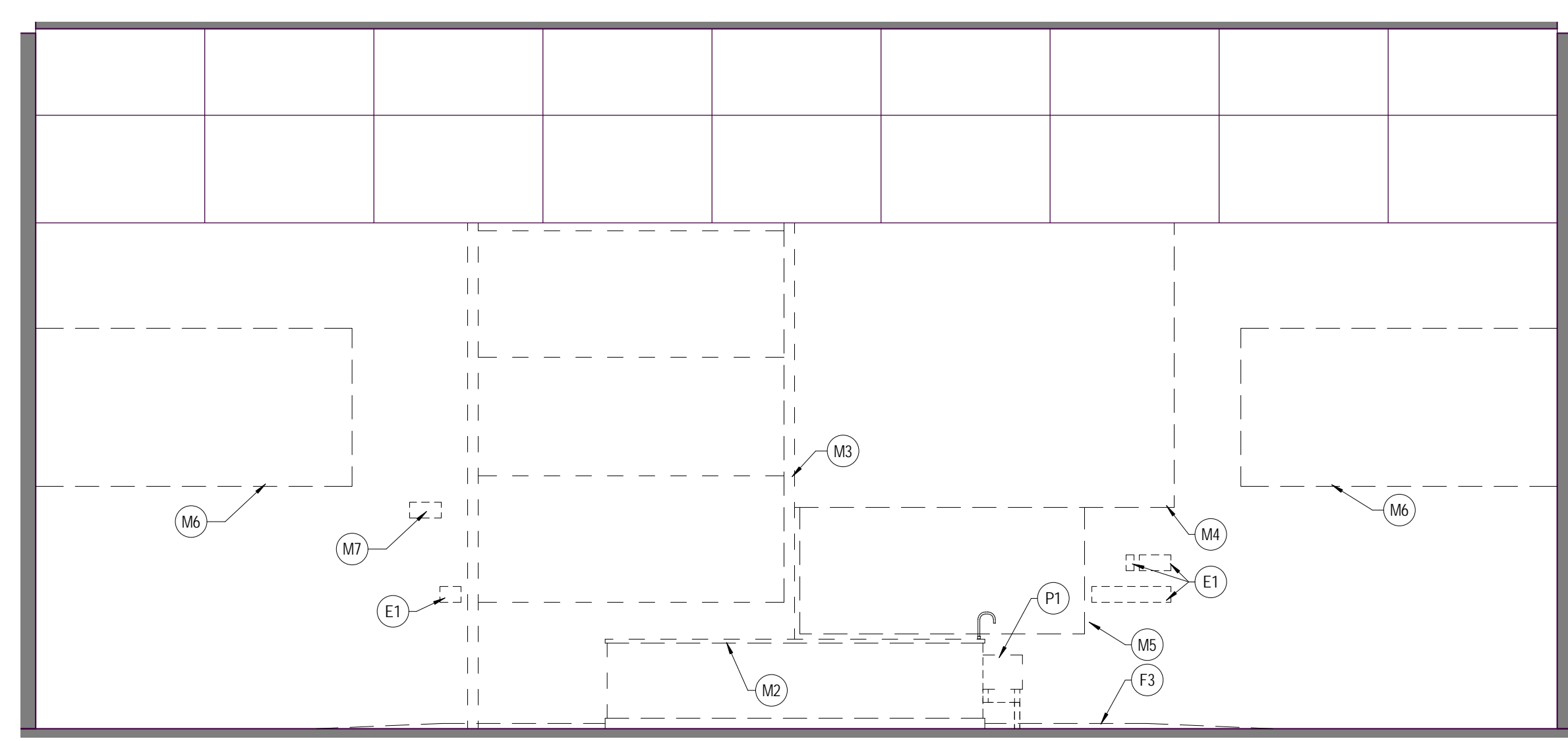
DEMOLITION LEGEND:

- EXISTING WALL TO REMAIN
- EXISTING ITEM TO BE REMOVED IN ITS ENTIRETY AS NOTED.
- EXISTING AREAS OF NO WORK REQUIRED.



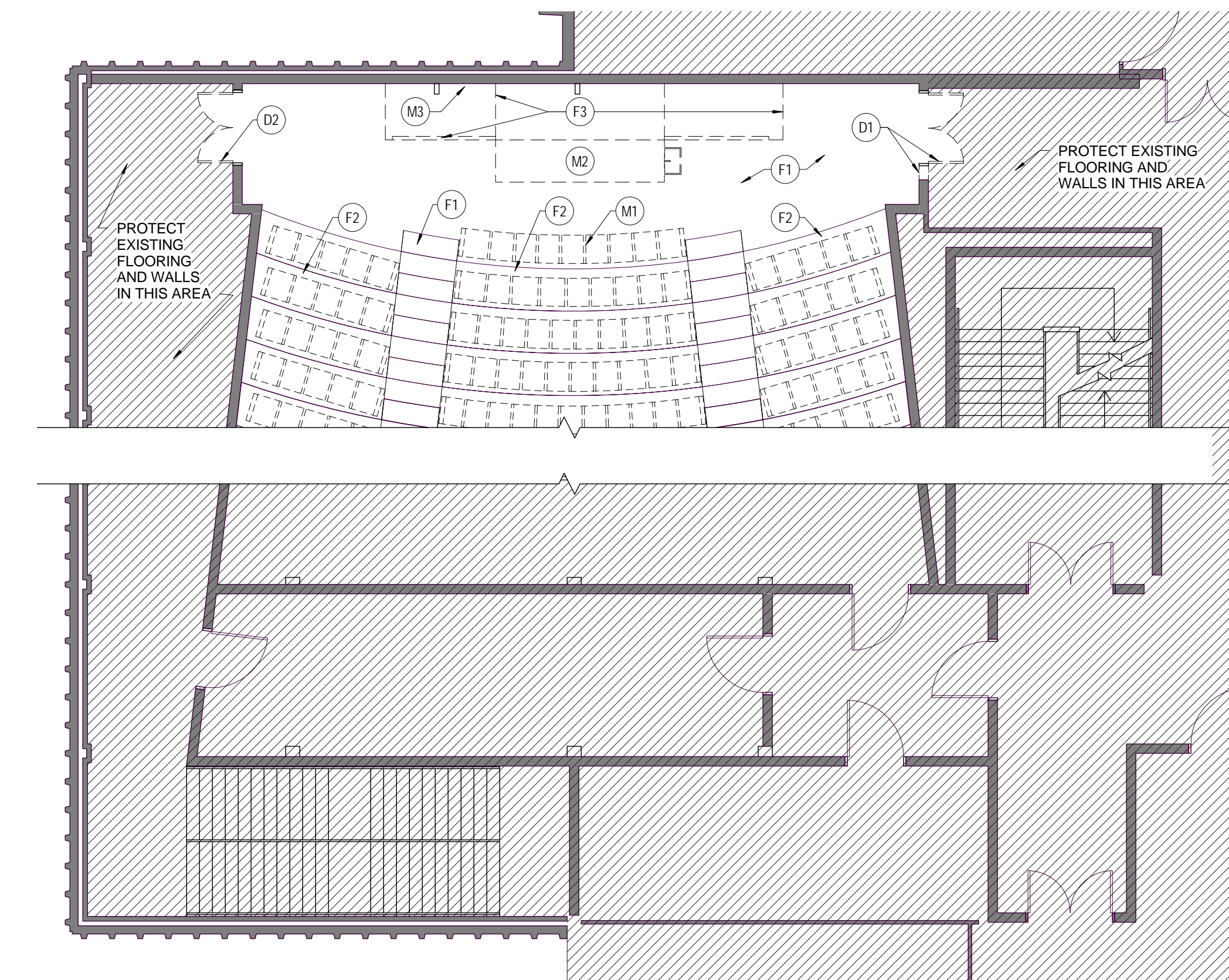
**PARTIAL THIRD FLOOR
DEMOLITION PLAN**

2
A1 SCALE: 1/8" = 1'-0"



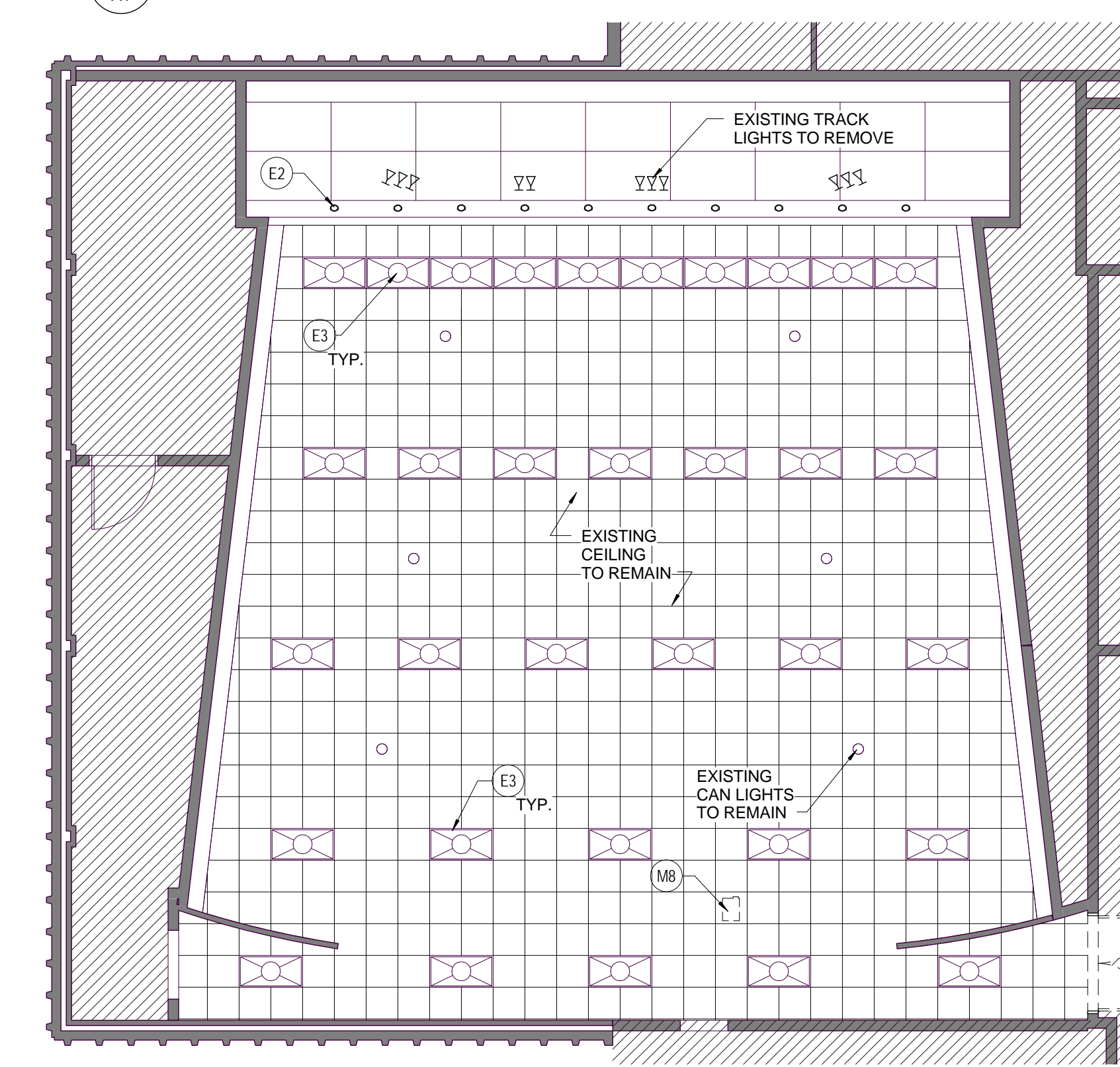
**NORTH ELEVATION -
DEMOLITION**

3
A1 SCALE: 1/4" = 1'-0"



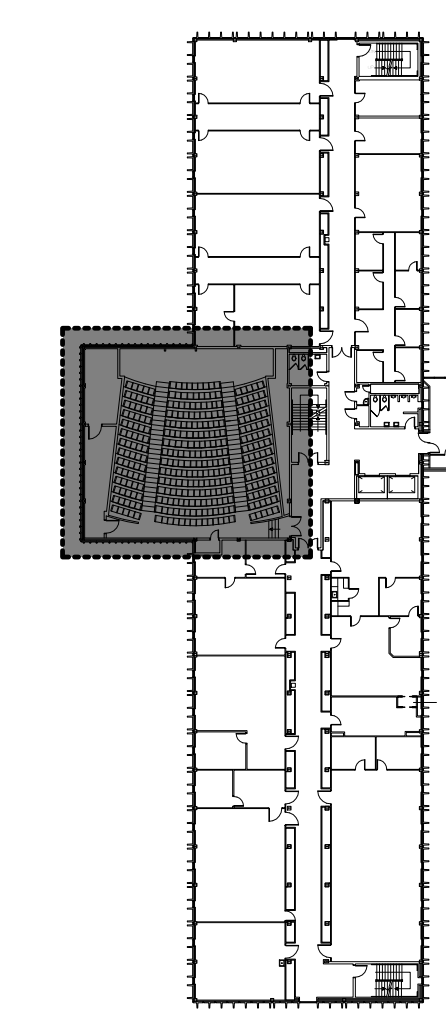
**PARTIAL SECOND FLOOR
DEMOLITION PLAN**

1
A1 SCALE: 1/8" = 1'-0"



**REFLECTED CEILING
PLAN - DEMOLITION**

4
A1 SCALE: 1/8" = 1'-0"



KEY PLAN

CORPORATE SEAL

A/E SEAL

PROJECT TITLE

**UNIVERSITY
OF SOUTH
CAROLINA**

**JONES
PSC 210
RENOVATIONS**

Main Street
Columbia, SC 29201

BID SET

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REVISIONS	
NO.	DATE

SHEET INFORMATION	
Date	2.07.12
Project No.	11.126.00
Scale	As indicated
Drawn By	JAA
Checked By	PDQ
State Project No.	H27-1905

TITLE
**DEMOLITION
PLANS,
ELEVATIONS,
AND NOTES**

SHEET NO.
A1

REVISIONS	
NO	DATE

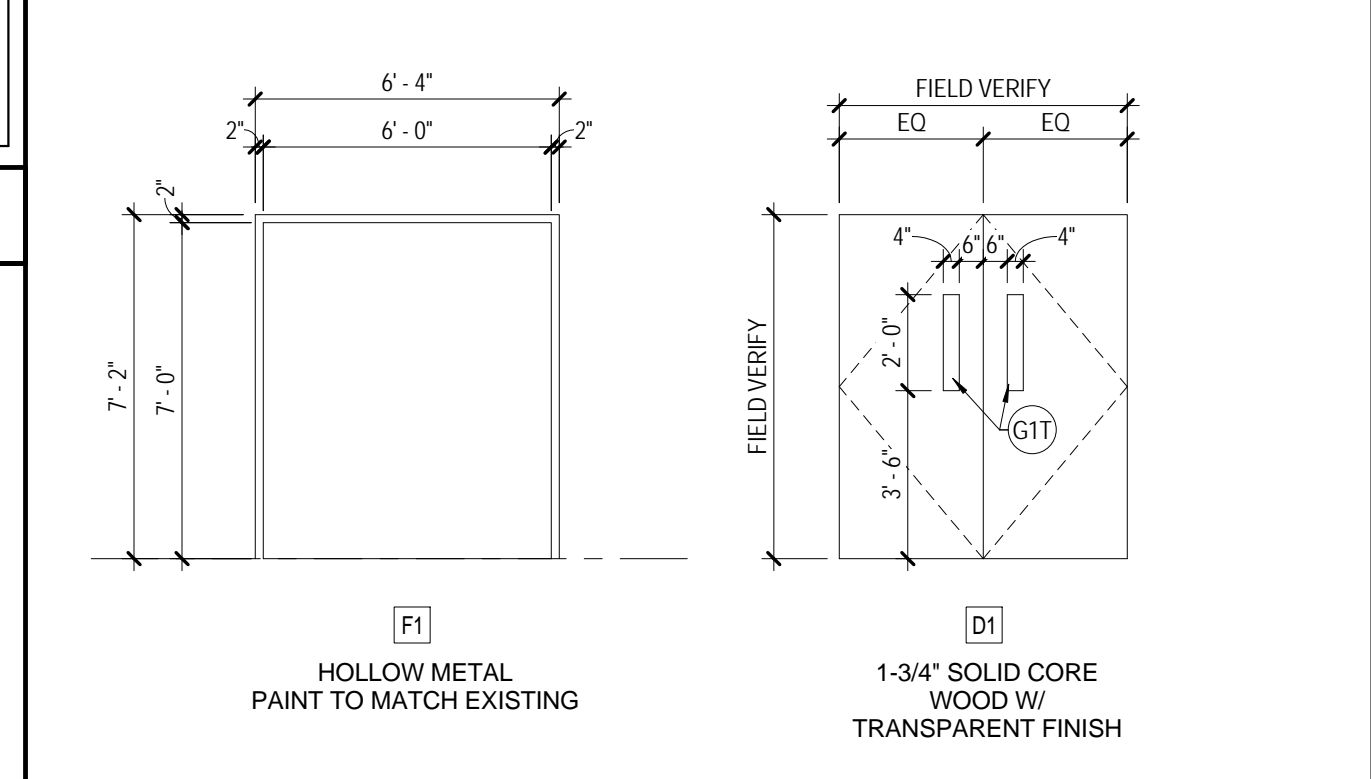
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DOOR SCHEDULE											
DOOR NO	DOOR			FRAME							
	WIDTH	HEIGHT	TYPE	TYPE	HEAD	JAMB	SILL	RATING	HDWR	REMARKS	
100A	6'-0"	7'-0"	D1	F1	H1	J1	S1	90 MIN	A	A	
100B	5'-0"	7'-0"	D1	EXIST	-	-	S1	90 MIN	A	A,B	
100C	6'-0"	7'-0"	D1	EXIST	-	-	S1	90 MIN	B	A,B	

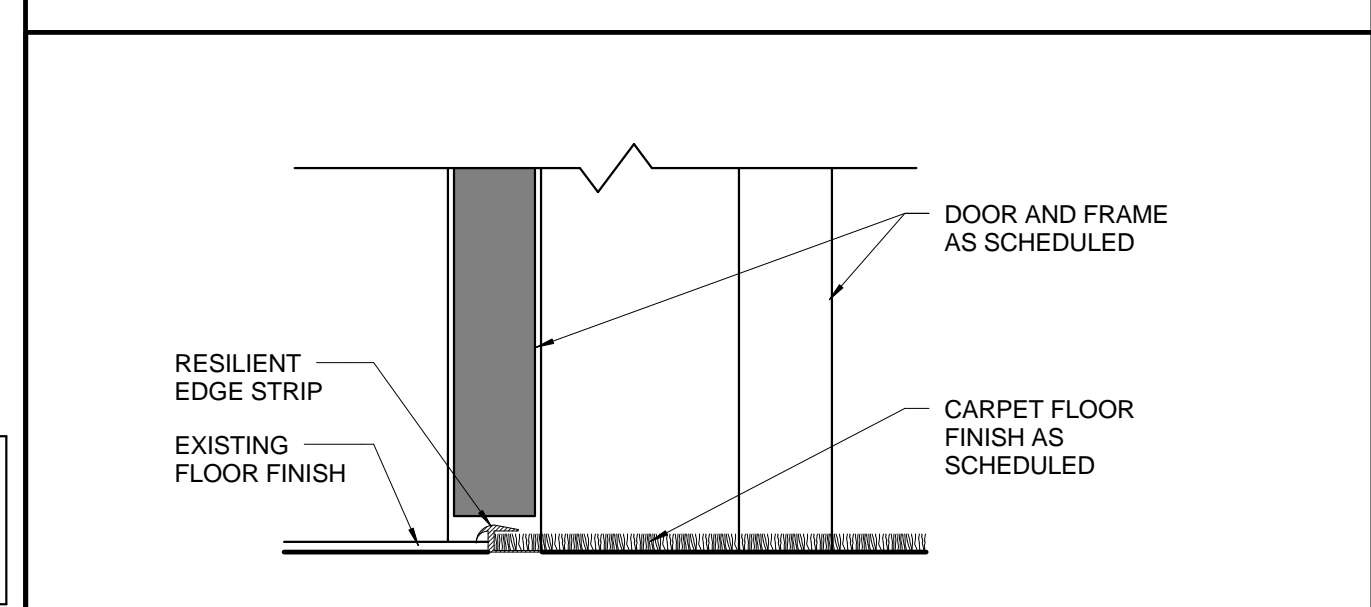
DOOR SCHEDULE REMARKS:
A) PAIR OF DOORS
B) EXISTING FRAME (PAIR OF DOORS) - FIELD VERIFY EXISTING OPENINGS. PATCH EXISTING DOOR FRAME SMOOTH AND FLUSH AFTER EXISTING HARDWARE IS REMOVED. PREPARE EXISTING FRAME AS REQUIRED FOR NEW HARDWARE AND DOOR AS SCHEDULED. PAINT EXISTING FRAME TO MATCH.

GENERAL DOOR AND FRAME NOTES:
1) FIELD VERIFY ALL DIMENSIONS AND EXISTING OPENINGS.
2) ADJUST NOMINAL DIMENSIONS TO ACCOMMODATE JOINTS AT SILL, HEADS, AND JAMBS. DIMENSIONS ON SHOP DRAWINGS SHALL REFLECT ADJUSTMENTS. FIELD VERIFY DIMENSIONS BEFORE FABRICATION.
3) NEW WOOD DOORS SHALL BE OAK VENEER WITH SATIN FINISH TO MATCH EXISTING
4) G1T: PROVIDE 90 MINUTE RATED 5/16" LAMINATED CERAMIC SAFETY GLAZING AT DOOR LITES.

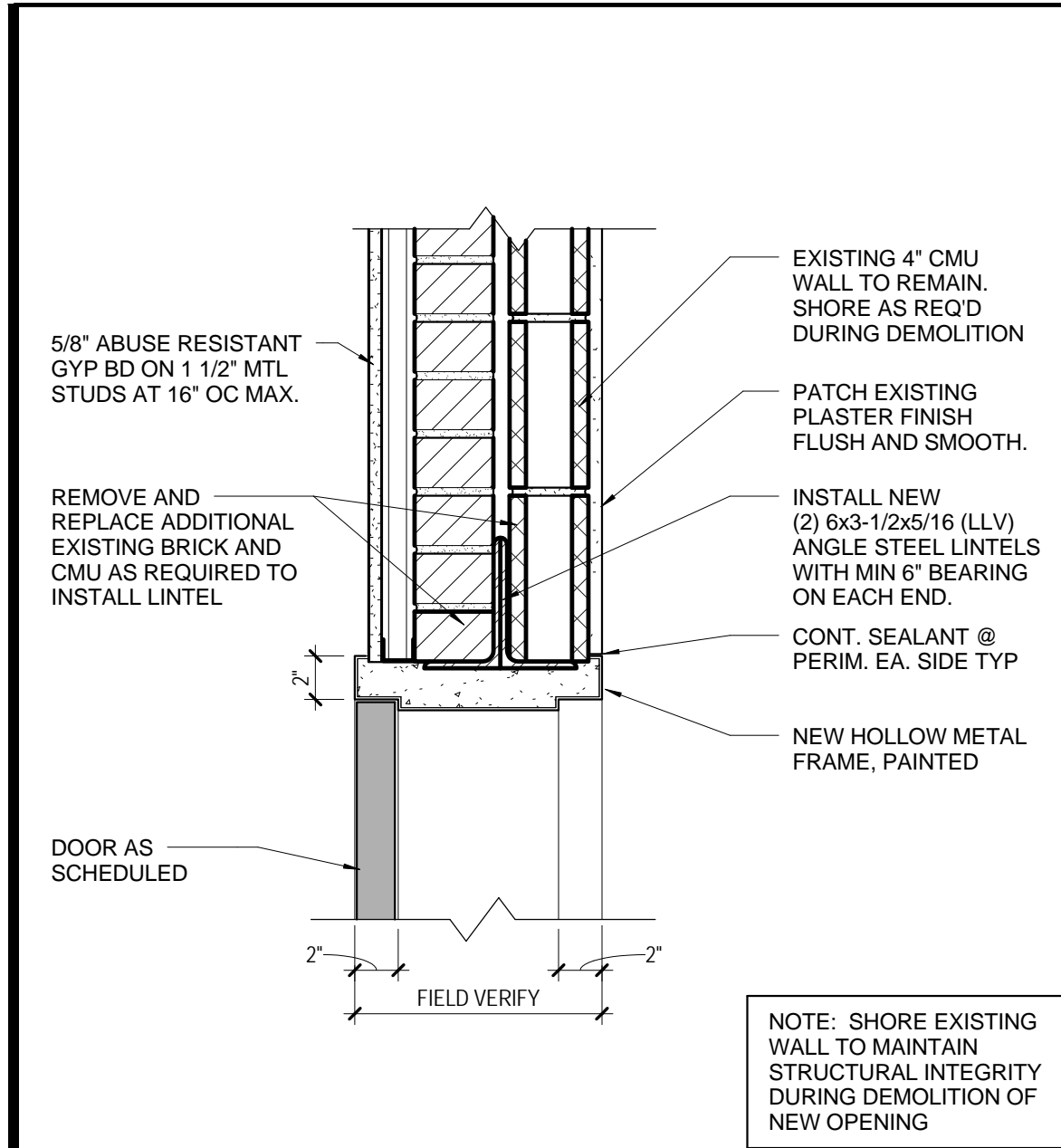
HARDWARE SETS (SEE SPECIFICATIONS):
A) SIX (6) HINGES; 2 EXIT DEVICES; TWO (2) CLOSERS; TWO (2) CORES, ONE (1) WALL STOP, TWO (2) KICKPLATES, DOOR SILENCERS. (90 MINUTE DOOR)
B) SIX (6) HINGES; 2 EXIT DEVICES; TWO (2) CLOSERS; TWO (2) CORES, TWO (2) KICKPLATES, DOOR SILENCERS. (90 MINUTE DOOR)



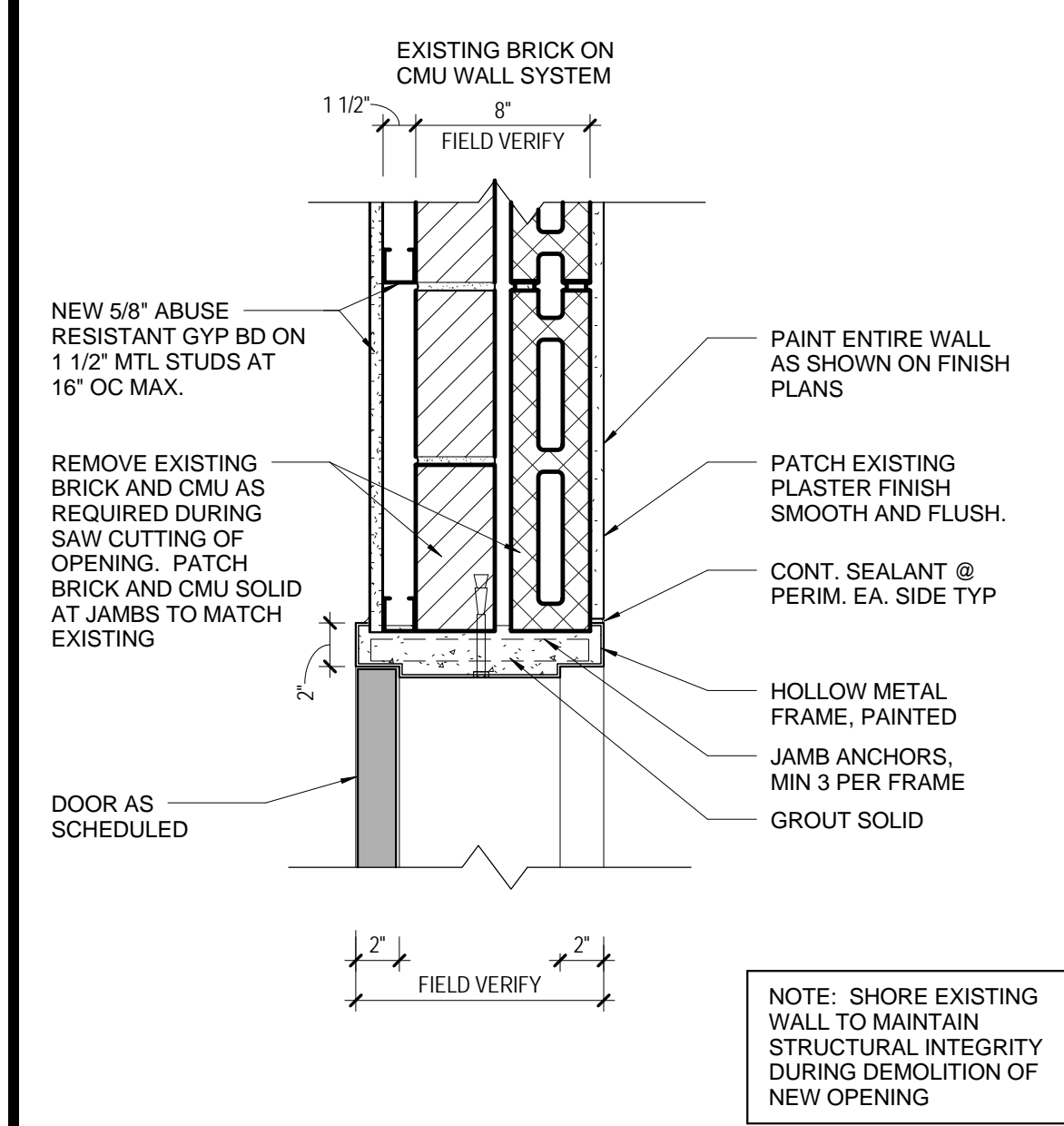
DOOR & FRAME TYPES
SCALE: 1/4" = 1'-0"



S1 SILL DETAIL
SCALE: 3" = 1'-0"

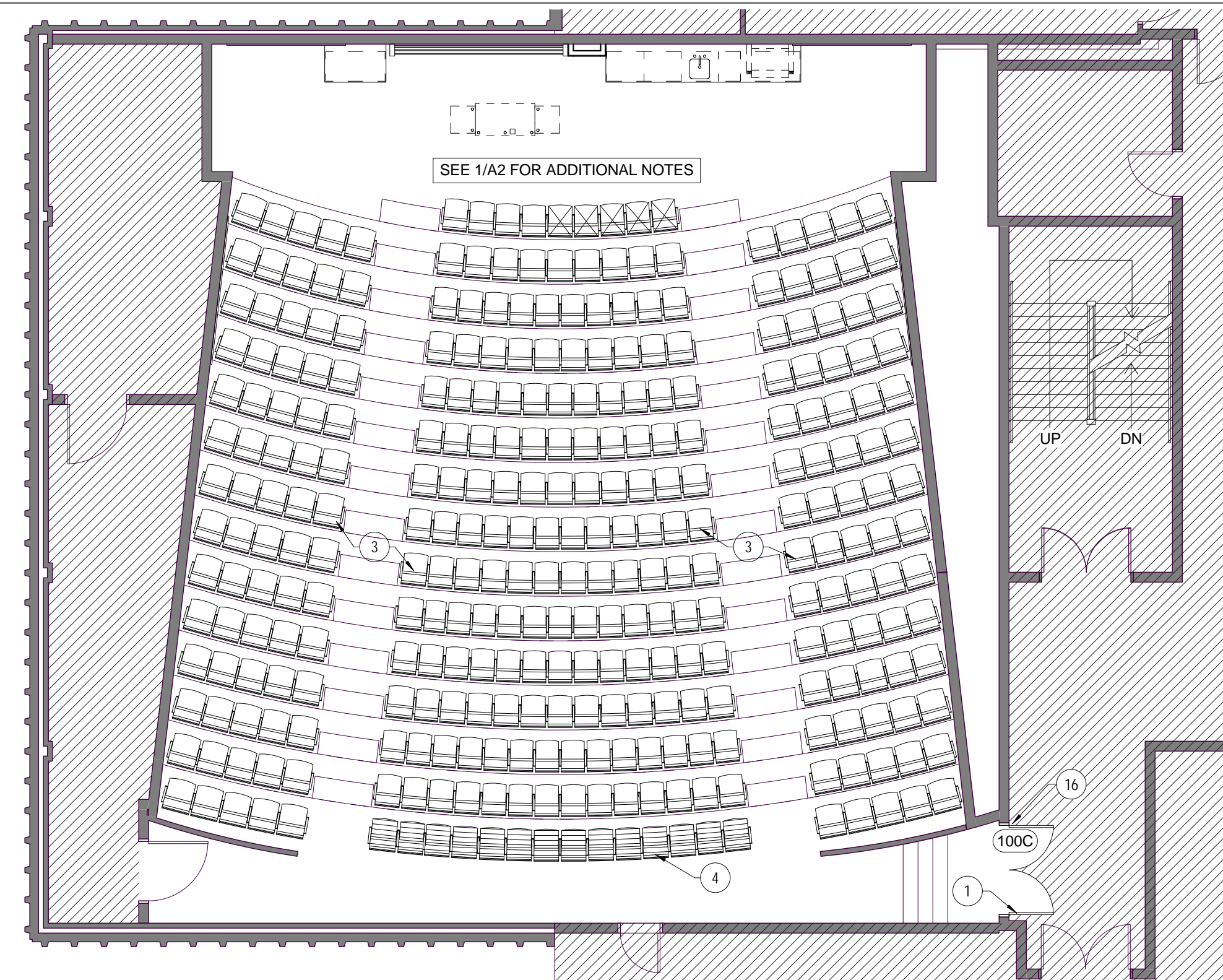


H1 HEAD DETAIL
SCALE: 1-1/2" = 1'-0"

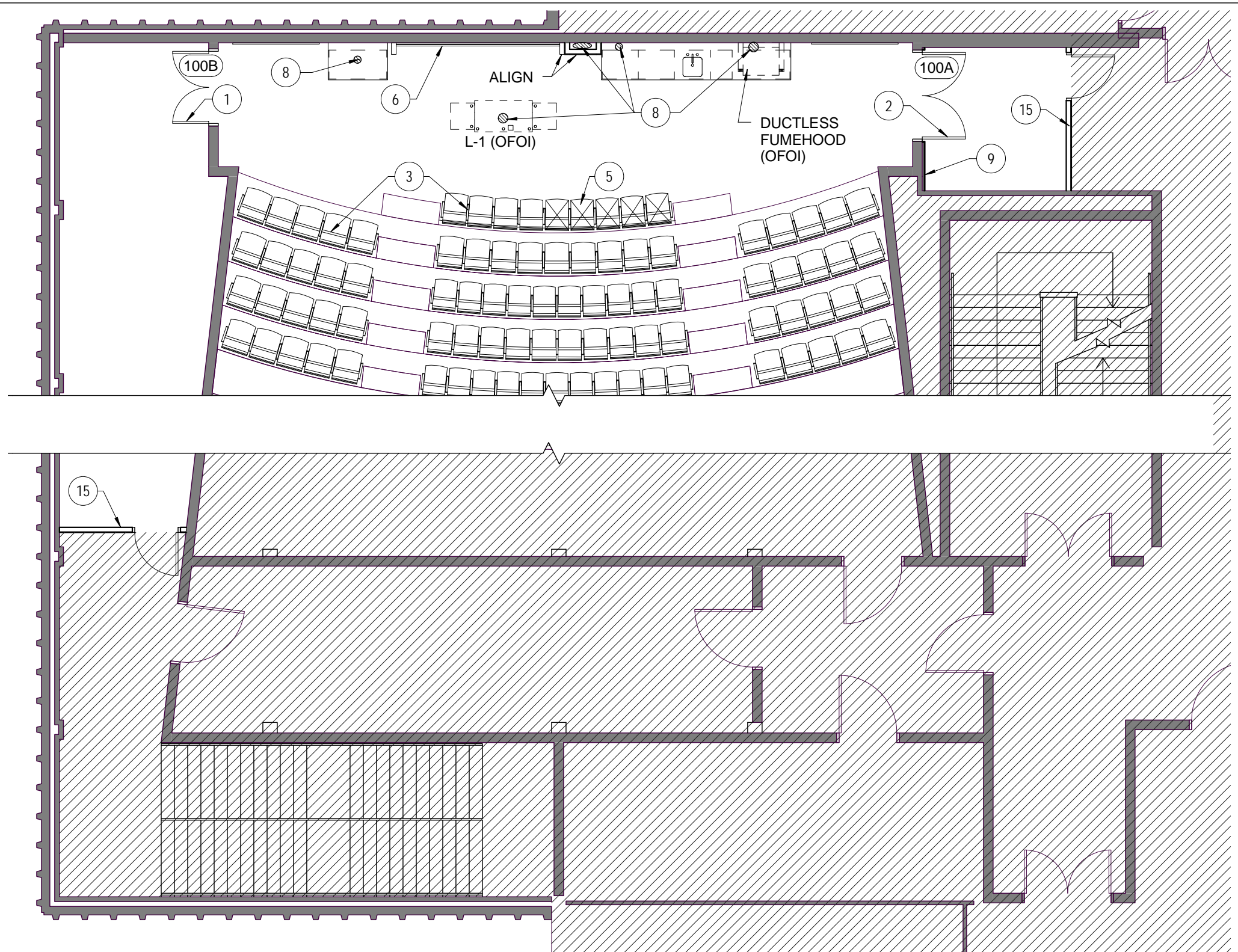


J1 JAMB DETAIL
SCALE: 1-1/2" = 1'-0"

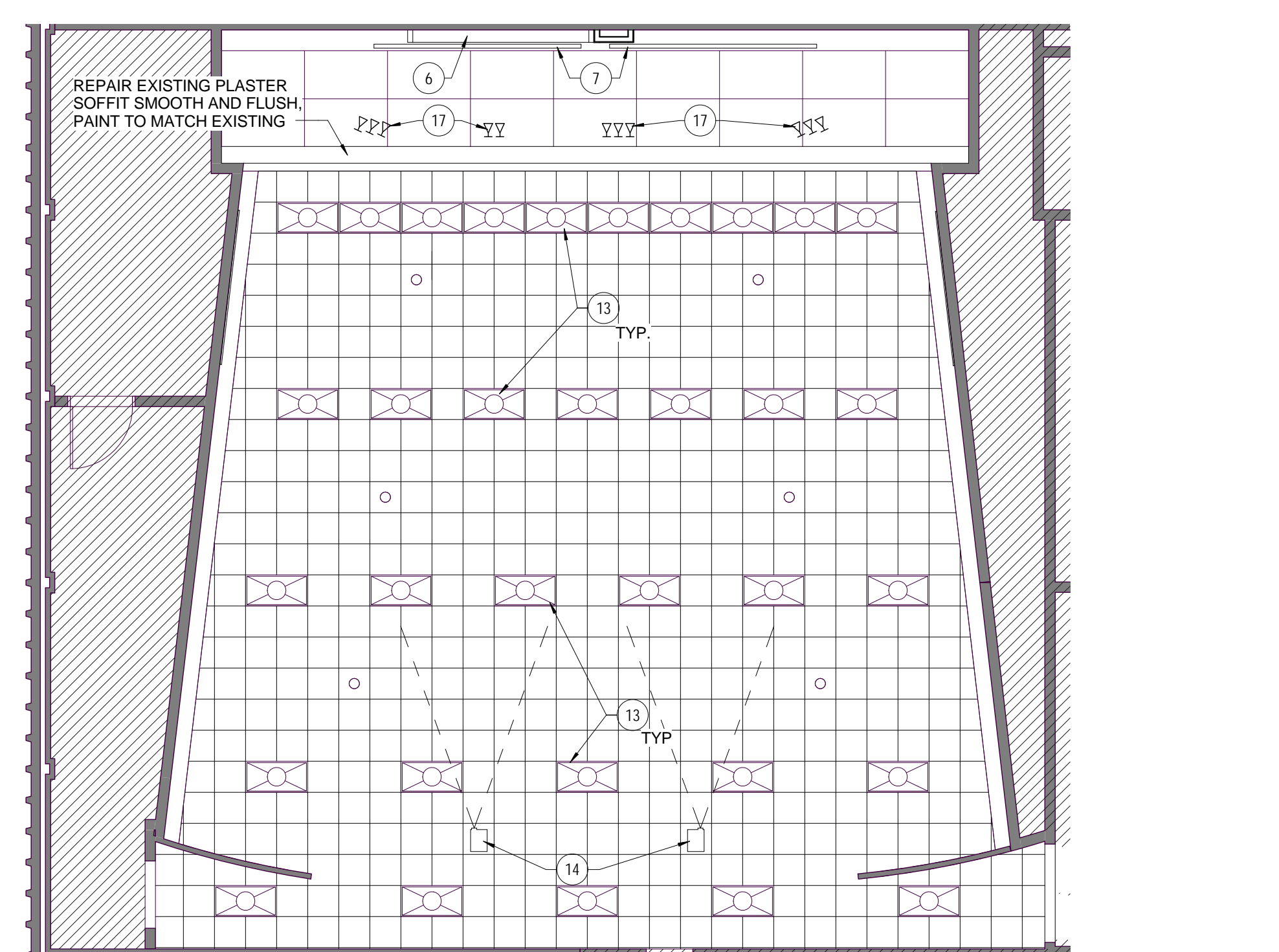
S1 SILL DETAIL
SCALE: 3" = 1'-0"



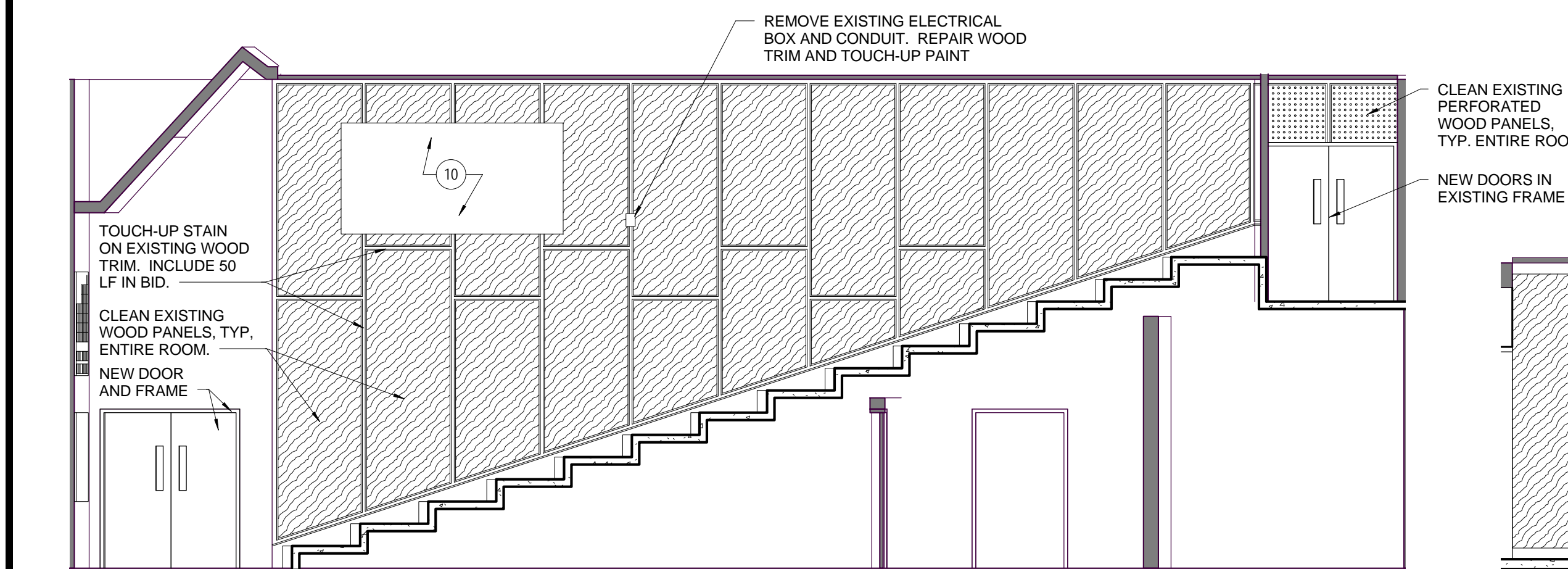
PARTIAL THIRD FLOOR PLAN
SCALE: 1/8" = 1'-0"



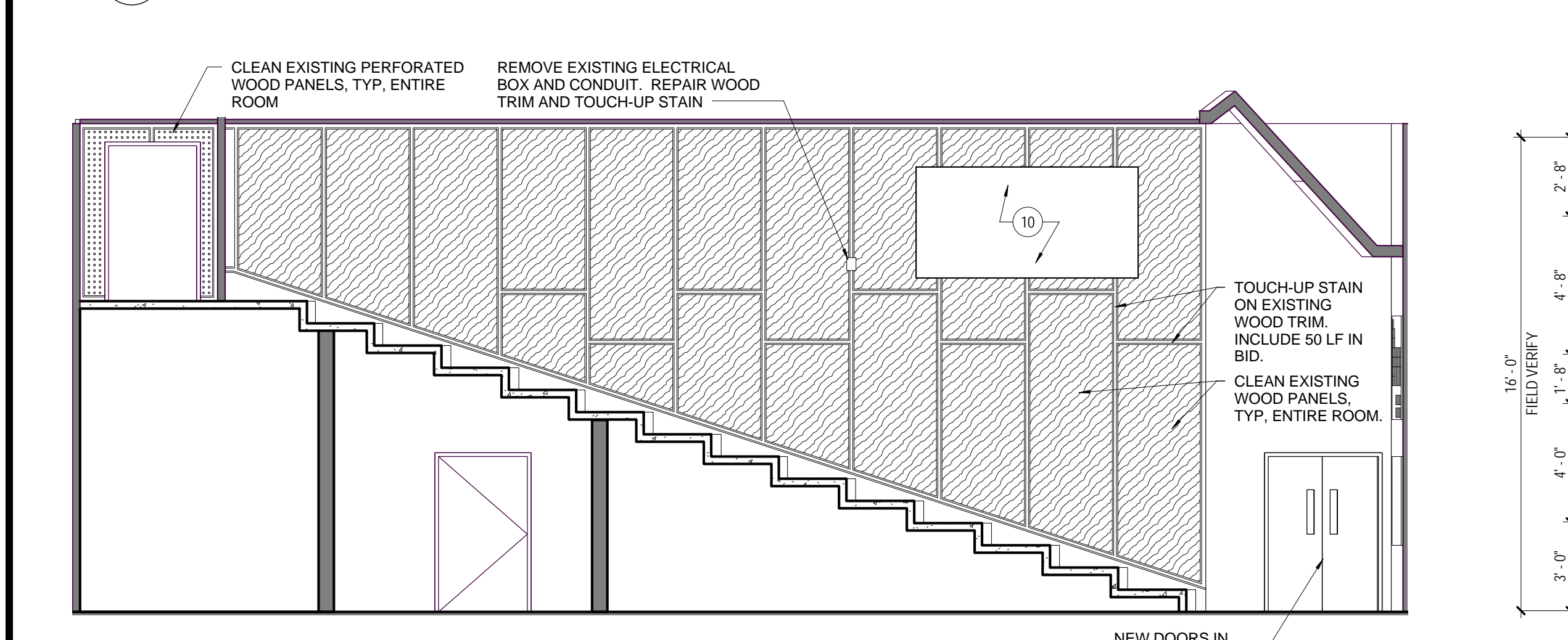
PARTIAL SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



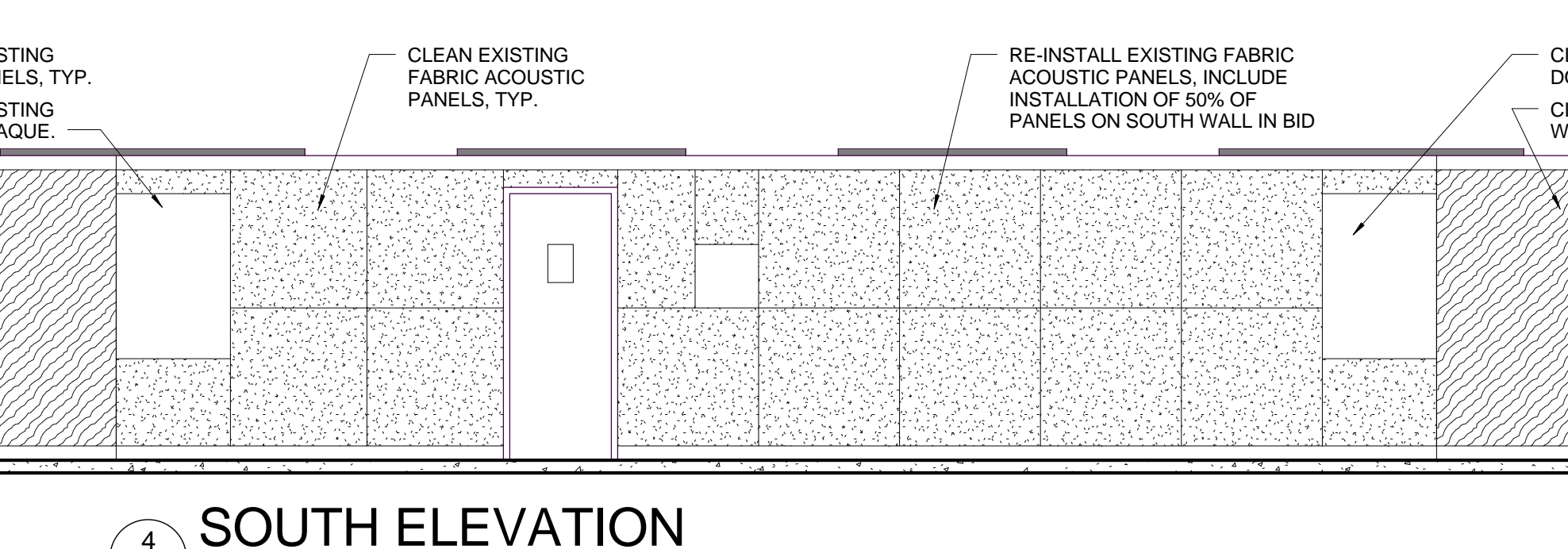
REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



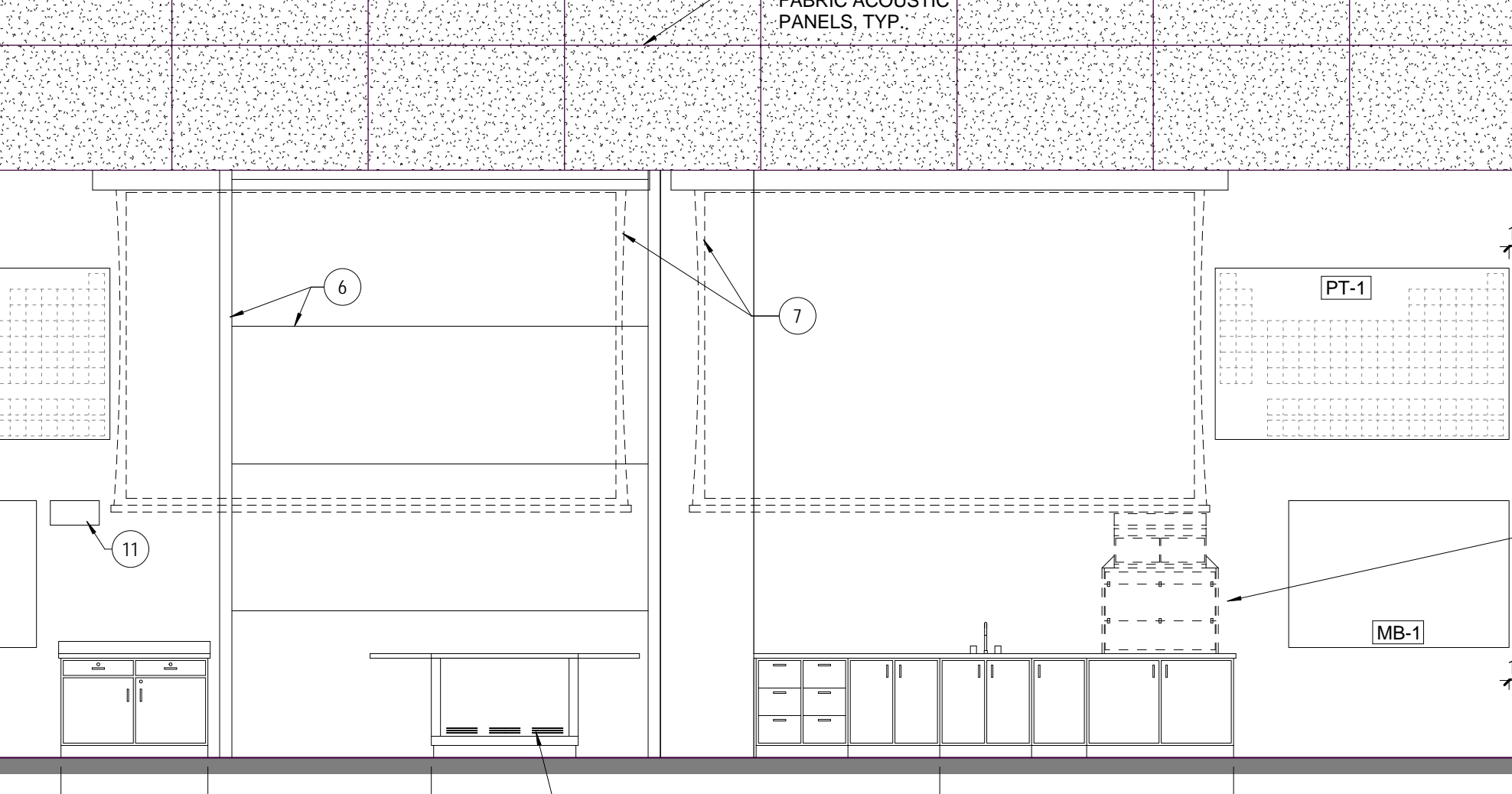
5 EAST ELEVATION
SCALE: 3/16" = 1'-0"



6 WEST ELEVATION
SCALE: 3/16" = 1'-0"



4 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



3 NORTH ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

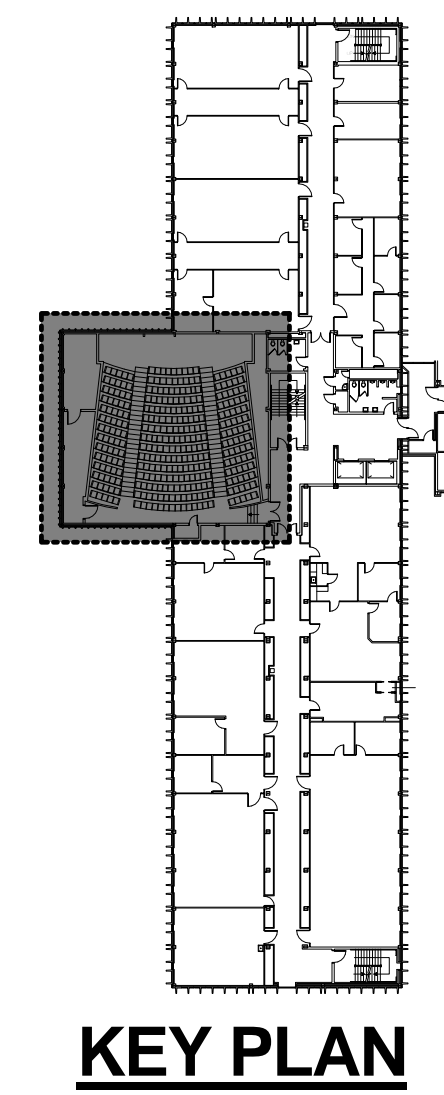
- ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF EXISTING WALL FINISH, UNLESS NOTED OTHERWISE.
- ALL FASTENERS AND ATTACHMENTS SHALL BE FULLY CONCEALED FROM VIEW.
- CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES FOUND DURING SITE SURVEY.
- CONTRACTOR SHALL COORDINATE ALL WORK WITHIN AREAS OUTSIDE LIMITS OF CONSTRUCTION WITH OWNER.
- CONTRACTOR TO CLEAN ENTIRE WORK AREA PRIOR TO BEGINNING WORK. PREPARE ALL SURFACES AS REQ'D TO RECEIVE NEW FINISHES.
- PATCH ALL WALLS SMOOTH AND FLUSH WHERE ELEC. LIGHTING, J-BOXES, ETC. ARE REMOVED. TOUCH-UP PAINT AS REQUIRED.

NOTES TO SHEET

- NEW PAIR OF DOORS AND HARDWARE IN EXISTING HOLLOW METAL FRAME. PAINT FRAME TO MATCH EXISTING.
- NEW HOLLOW METAL FRAME AND DOORS IN EXISTING WALL. PATCH WALL WHERE REMOVED FOR NEW FRAME AND FINISH SMOOTH AND FLUSH.
- NEW RISER MOUNTED FIXED AUDITORIUM SEATS (297 SEATS).
- NEW FLOOR MOUNTED FIXED AUDITORIUM SEATS (14 SEATS).
- NEW REMOVABLE AUDITORIUM SEATS (5 SEATS).
- NEW MOTORIZED MARKERBOARD. PATCH PLASTER SOFFIT SMOOTH AND FLUSH TO MATCH EXISTING.
- INSTALL (2) MOTORIZED PROJECTION SCREENS PROVIDED BY OWNER. CONTRACTOR SHALL PROVIDE ADDITIONAL BRACKETS, RODS, AND FRAMING AS REQUIRED FOR INSTALLATION. PATCH PLASTER SOFFIT SMOOTH AND FLUSH TO MATCH EXISTING.
- CORE DRILL EXISTING SLAB FOR NEW PIPE/ CONDUIT ROUTES. COORDINATE EXACT LOCATIONS WITH FIXTURES AND CASEWORK. SEE PLUMBING AND ELECTRICAL DRAWINGS.
- NEW 5/8" ABUSE RESISTANT GYPSUM BOARD ON 1 1/2" MTL STUDS AT 16" O.C. INSTALLED OVER EXISTING WALL. ENTIRE WALL PAINTED.
- INSTALL EXISTING PERIODIC TABLES AS REQUIRED FOR CONCEALED ATTACHMENT. CONTRACTOR SHALL PROVIDE NEW BRACKETS AND FASTERS AS REQUIRED FOR INSTALLATION. REVIEW EXACT LOCATION AND ATTACHMENT METHOD WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- INSTALL EXISTING "PLEASE NO FOOD OR DRINK" SIGN.
- REMOVE PORTION OF WALL AS REQUIRED FOR INSTALLATION OF NEW PIPE/ CONDUIT. SEE PLUMBING AND ELECTRICAL DRAWINGS. PATCH EXISTING PLASTER WALL SMOOTH AND FLUSH.
- INSTALL NEW PRISMATIC LENSES IN EXISTING 2x4 LIGHT FIXTURES. SEE ELECTRICAL DRAWINGS.
- INSTALL PROJECTOR MOUNTS (CHIEF CMA 330 OFFSET CEILING PLATE) AND ADJUSTABLE POLES (CMS TYPE), 2 LOCATIONS. PROJECTOR MOUNTS AND ADJUSTABLE POLES TO BE PROVIDED BY OWNER. PROJECTORS TO BE OWNER FURNISHED. OWNER INSTALLED. COORDINATE LOCATION OF PROJECTORS WITH OWNER AND ARCHITECT. SEE ELECTRICAL DRAWINGS FOR POWER REQUIREMENTS.
- PROVIDE TEMPORARY PARTITION W/ SOUND BATTS AND SECURABLE DOORS AS REQ'D TO PREVENT DUST FROM ENTERING ADJACENT OCCUPIED SPACE. INSTALL PARTITION AND PROTECT FLOORS AND WALLS OF AREAS INSIDE TEMPORARY PARTITION PRIOR TO BEGINNING DEMOLITION WORK. REPAIR DAMAGED FINISHES UPON PROJECT COMPLETION. INSTALL SIGNAGE ON THE OCCUPIED SIDE OF EACH WALL THAT READS "CONSTRUCTION AREA: AUTHORIZED PERSONNEL ONLY." COORDINATE SEQUENCING OF CONSTRUCTION OF TEMPORARY WALL AND DEMOLITION W/ OWNER & ARCHITECT PRIOR TO BEGINNING WORK.
- PROTECT OPENING W/ POLYETHYLENE PLASTIC SHEETING AS REQ'D TO PREVENT DUST FROM ENTERING ADJACENT OCCUPIED SPACE PRIOR TO BEGINNING DEMOLITION WORK. INSTALL SIGNAGE ON ADJACENT WALL THAT READS "CONSTRUCTION AREA: AUTHORIZED PERSONNEL ONLY."
- INSTALL MISSING AND BLOWN BULBS IN EXISTING FIXTURES. COORDINATE WITH OWNER TO ADJUST LIGHTING POSITIONING.

LEGEND

- MB-1 NEW 6'-0" X 4'-0" MARKERBOARD. SEE SPECIFICATION 10 11 00
- PT-1 NEW 8'-0" X 4'-8" PERIODIC TABLE. SEE SPECIFICATION 10 11 00
- L-1 NEW LECTERN, OFOI
- EXISTING AREAS OF NO WORK REQUIRED



KEY PLAN

CORPORATE SEAL

PROJECT TITLE

**UNIVERSITY
OF SOUTH
CAROLINA**

**JONES
PSC 210
RENOVATIONS**

Main Street
Columbia, SC 29201

BID SET

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REVISIONS	
NO	DATE

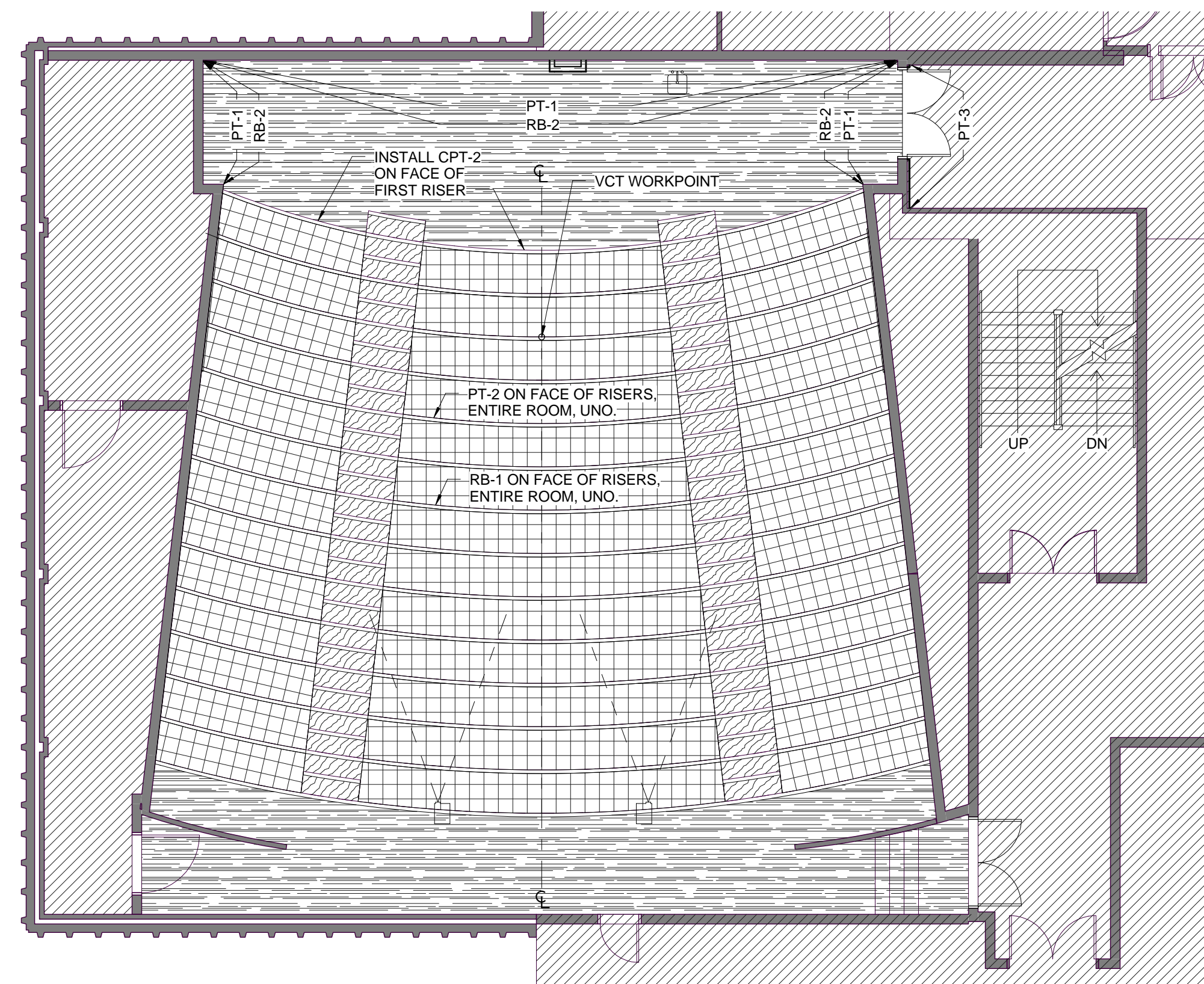
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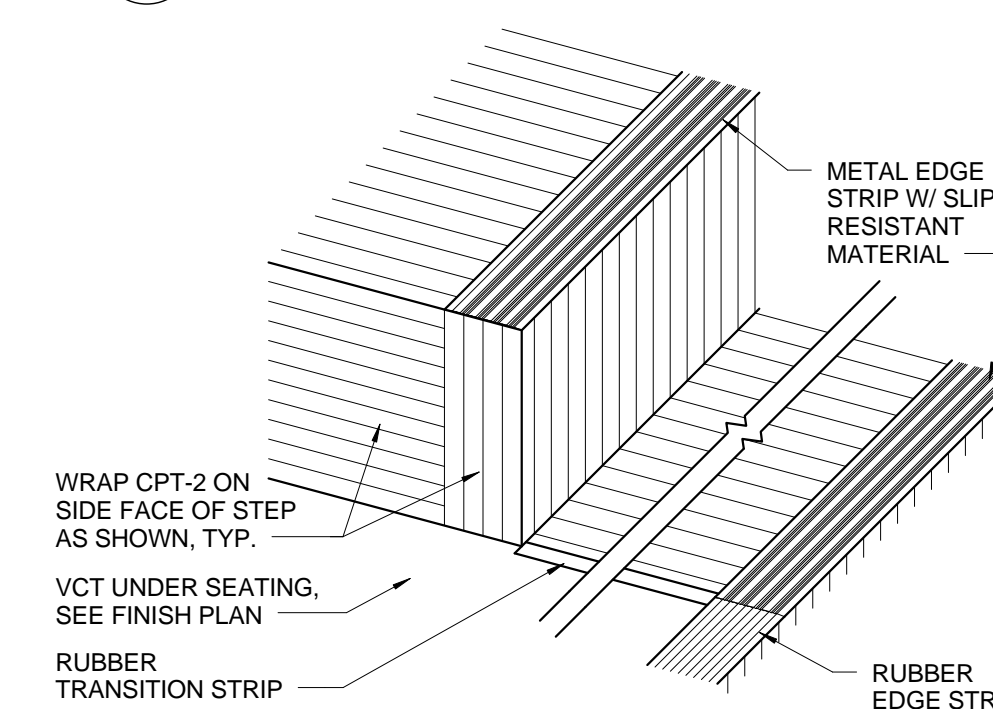
**FINISH PLAN,
FINISH
MATERIALS,
CASEWORK
DETAILS**

SHEET NO.

A3



1 FINISH PLAN
SCALE: 1/8" = 1'-0"



2 DETAIL AT AISLE STEP
SCALE: 1/2" = 1'-0"

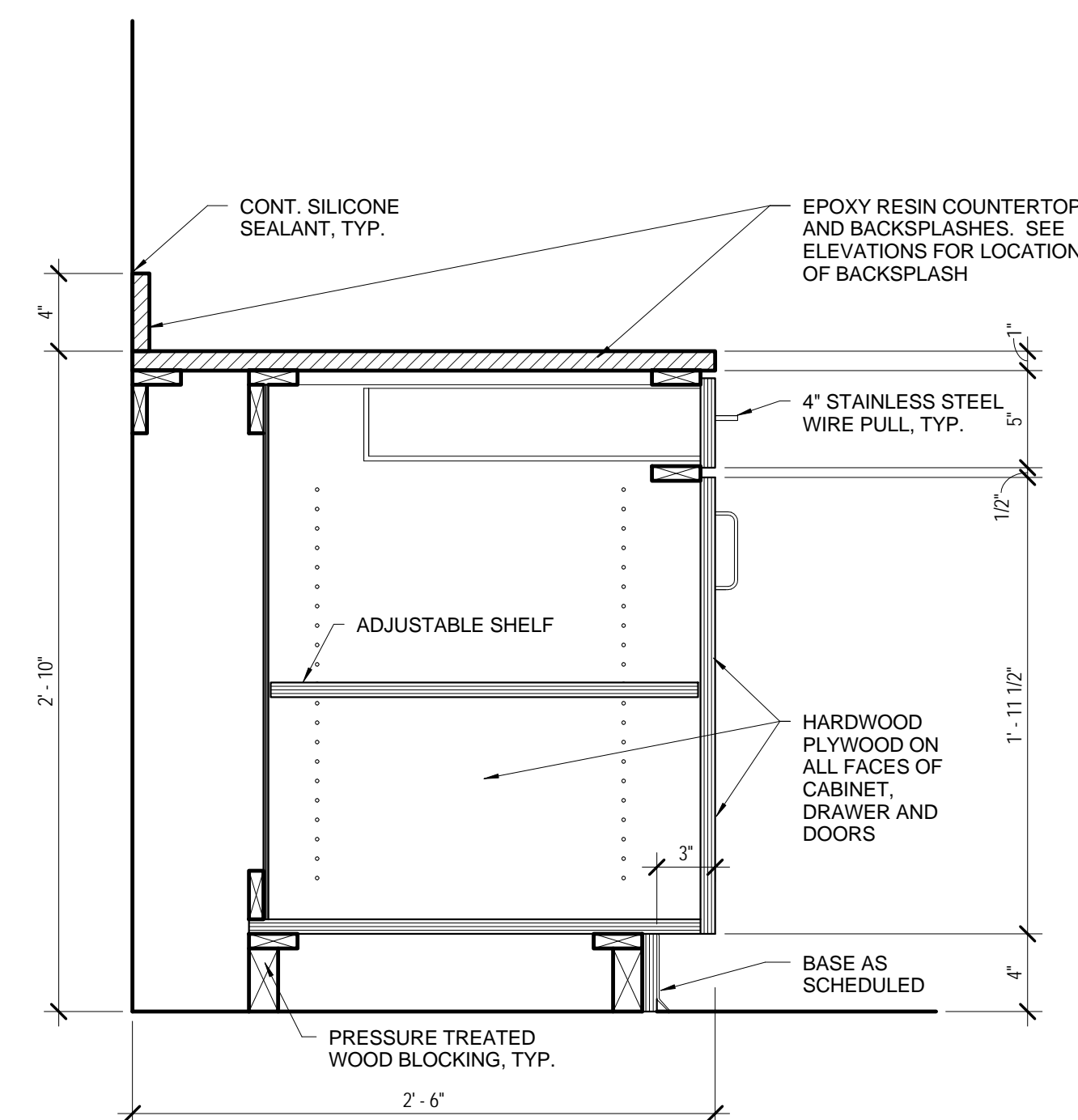
FINISH NOTES

- A. GENERAL
1. ALL FINISHES SHALL HAVE A CLASS "C" FLAME SPREAD RATING OR BETTER.
 2. ALL FINISHES AND MATERIALS SHALL BE AS INDICATED ON THE FINISH PLANS. NO SUBSTITUTIONS WILL BE ACCEPTED WITHOUT PRIOR APPROVAL OF THE DESIGNER.
- B. FLOORING AND BASE
1. FLOORING SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS REGARDING ADHESIVES, SEAMING, DIRECTION, ETC.
 2. ALL TRANSITIONS IN THE FLOOR MATERIALS SHALL OCCUR UNDER THE CENTER LINE OF THE CLOSED DOOR WHERE APPLICABLE.
- C. WALL/CEILING FINISHES
1. ALL PAINT COLORS SHALL BE REVIEWED AND VERIFIED WITH THE ARCHITECT AND OWNER ON SITE PRIOR TO PAINTING. CONTRACTOR SHALL COORDINATE SITE MEETING TO REVIEW PAINTED PORTIONS OF WALLS WITH ALL COLORS IN SCHEDULE; PROVIDE MINIMUM 4'x4' AREA FOR REVIEW.

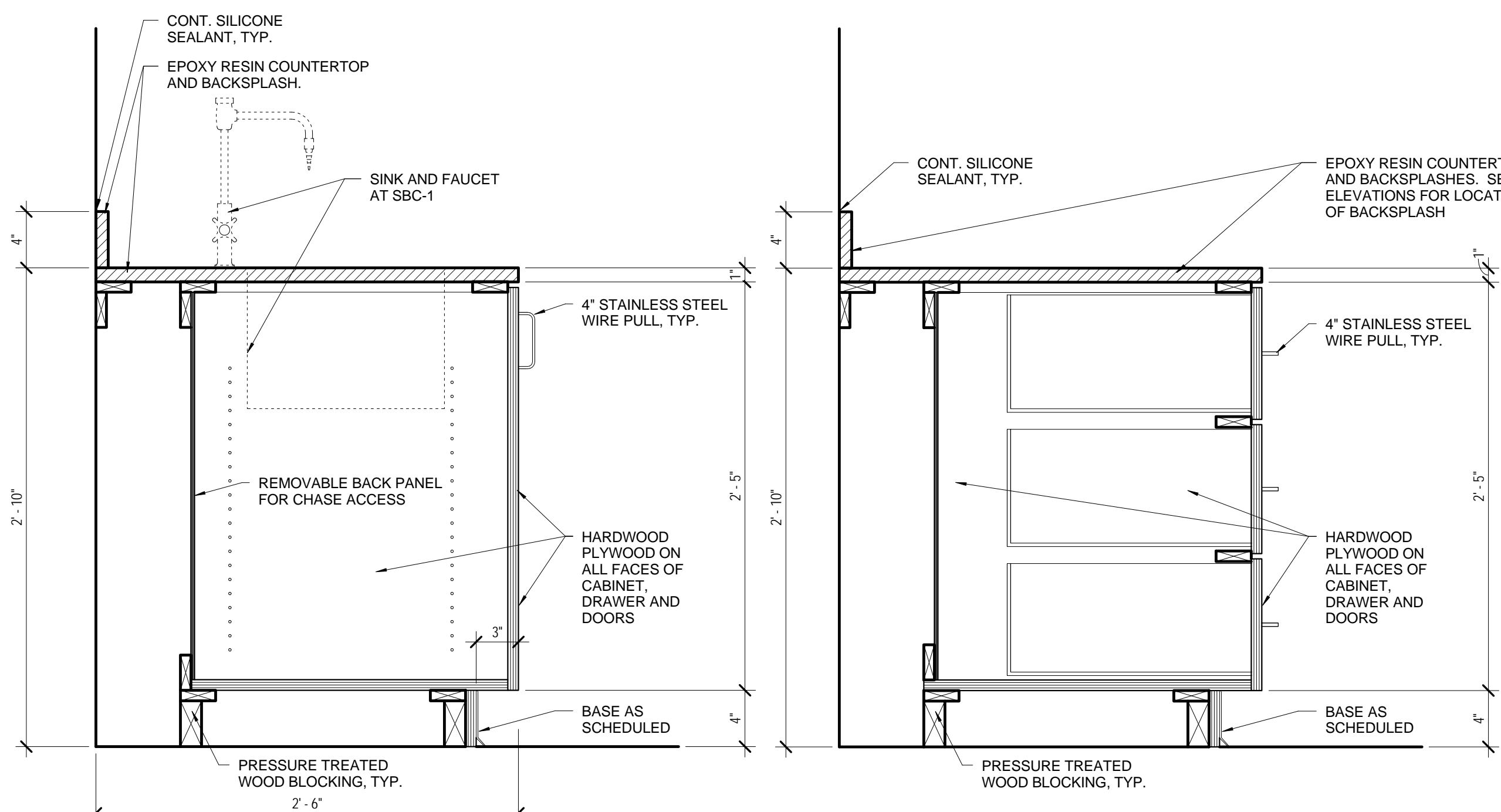
FINISH MATERIALS

BASE	4" HIGH RUBBER BASE	ROPPE: 624 CHAMELEON
RB-1	4" HIGH RUBBER BASE	ROPPE: 100 BLACK
RB-2	4" HIGH RUBBER BASE	ROPPE: 100 BLACK
FLOORS		
VCT	VINYL COMPOSITE TILE	ARMSTRONG; EXCELON STONETEX; 52164 DARK CHOCOLATE
CPT-1	CARPET TILE	LEES; Q1091 BY THE BOOK; 418 DISTINCTIVE
CPT-2	BROADLOOM CARPET	LEES; GL125 BELLO IV; 996 TRADITIONAL FOLKLORE
WALLS		
PT-1	WALL / CEILING PAINT	SHERWIN WILLIAMS - MATCH ARCHITECTS SAMPLE
PT-2	CONCRETE RISER PAINT	SHERWIN WILLIAMS - 6082; COBBLE BROWN
PT-3	WALL PAINT	SHERWIN WILLIAMS - MATCH ARCHITECTS SAMPLE

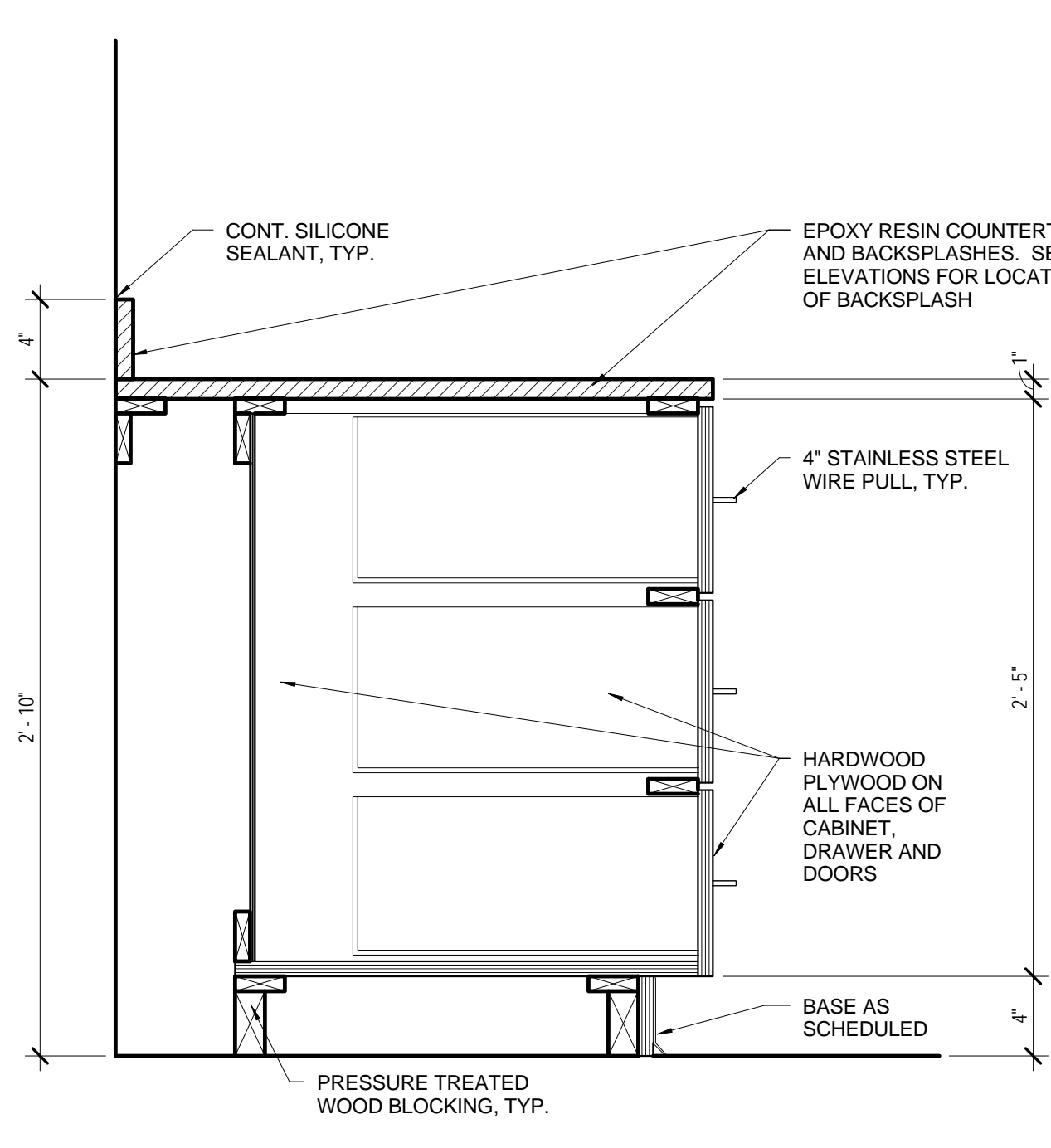
FINISH PLAN LEGEND



8 BC-1 SECTION
SCALE: 1 1/2" = 1'-0"



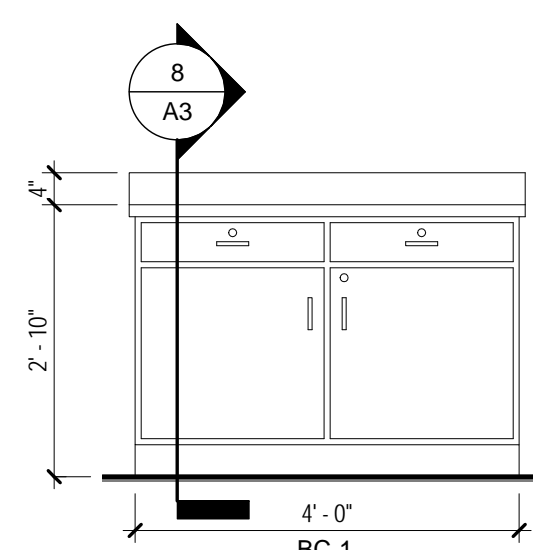
7 BC-2, SBC-1 SECTION
SCALE: 1 1/2" = 1'-0"



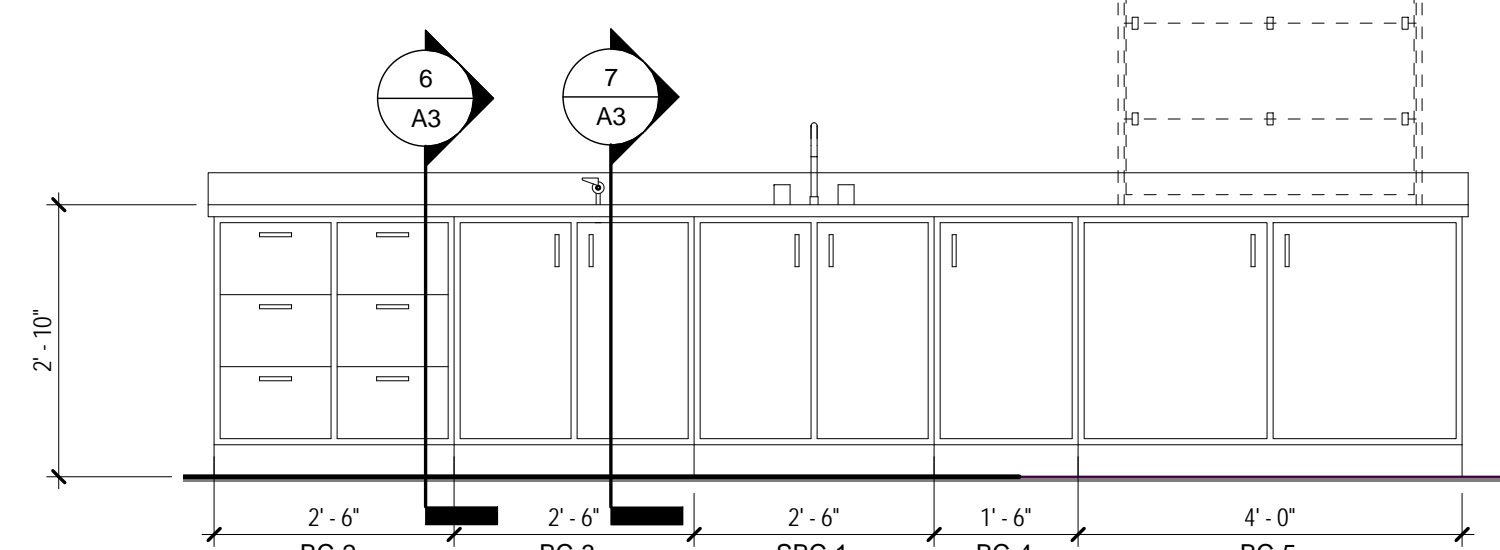
6 BC-3 SECTION
SCALE: 1 1/2" = 1'-0"

LAB CASEWORK SCHEDULE

MARK	DESCRIPTION	SIZE		
		W	D	H
BASE CABINETS	BC-1	48"	22"	32.5"
	BC-2	30"	22"	32.5"
	BC-3	30"	22"	32.5"
	BC-4	18"	22"	32.5"
	BC-5	48"	22"	32.5"
BASE CABINETS W/ SINKS	SBC-1	30"	22"	32.5"



5 BC-1 ELEV
SCALE: 1/2" = 1'-0"



4 BC-2 ELEVATION
SCALE: 1/2" = 1'-0"

GENERAL CASEWORK NOTES

1. SEE T1 FOR MINIMUM FOR ADA MANEUVERING CLEARANCES
2. DASHED LINES REPRESENT FURNITURE OR EQUIPMENT TO BE PROVIDED BY OWNER, UNLESS NOTED OTHERWISE
3. ALL CASEWORK SHALL BE MAPLE WOOD FINISH. ALL COUNTERS AND BACK SPLASHES SHALL BE BLACK EPOXY
4. MINOR DISCREPANCIES/ DIFFERENCES IN CASEWORK DIMENSIONS ARE ACCEPTABLE. ALL CASEWORK SHALL ALIGN AS SHOWN IN INTERIOR ELEVATIONS.
5. ALL CASEWORK DOORS AND DRAWERS SHALL BE LOCKABLE. VERIFY WITH KEYING SYSTEM WITH ARCHITECT.
6. THE CASEWORK CODE SYMBOLS SPECIFYING THE PARTICULAR MODULES ARE SHOWN ON THE INTERIOR ELEVATIONS.
7. FOR SPECIAL CASEWORK CONFIGURATIONS AND/OR COMPONENTS REFER TO THE INTERIOR ELEVATIONS.
8. VERIFY MOUNTING HEIGHTS AND CLEARANCES AT ALL LOCATIONS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES WITH THE CONTRACT DRAWINGS.
9. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
10. REFER TO SPECIFICATION SECTIONS, INCLUDING 123553 FOR ADDITIONAL CONSTRUCTION INSTALLATION, HARDWARE, FINISH AND/OR OTHER REQUIREMENTS.
11. PROVIDE ALL REQUIRED AND/OR NECESSARY BACKING, BLOCKING AND OTHER STRUCTURAL SUPPORT.
12. ALL END UNITS WITH EXPOSED SIDES SHALL HAVE SCHEDULED FINISH EQUAL TO ALL OTHER EXPOSED SURFACES.
13. PROVIDE CONT. SEALANT BETWEEN BACKSPASH & WALL AND BACKSPASH & COUNTERTOP.
14. PROVIDE FILLER STRIPS AT END OF CASEWORK & WALL UNLESS NOTED OTHERWISE.
15. ADJUSTABLE SHELVES IN CABINETS ARE NOT SHOWN FOR CLARITY. SEE SCHEDULE FOR SHELVES.
16. ALL CABINETS AND SHELVING SHALL BE WOOD UNO.

ABBREVIATIONS *			
ABV	Above	NC	Normally Closed
AD	Access Door	NG	Natural Gas
AFT	Above Finished Floor	NIC	Not in Contract
BFP	Backflow Preventer	NO	Normally Open
CI	Cast Iron	NPT	National Pipe Thread
COL	Column Line	NIS	Not To Scale
CONN	Connection	OEST	Over Flow Storm Drain
CW	Cold Water	OX	Oxygen
DI	Deionized Water	PC	Plumbing Contractor
DN	Down	Pump = No	Pump = No
EC	Electrical Contractor	PRV	Pressure Reducing Valve
ELEV	Elevation	PSI	Pounds Per Square Inch
ET	Expansion Tank	RD	Roof Drain
EW-C-#	Electric Water Cooler	SA	Shock Absorber
EXIST	Existing	SI-#	Shower
FD	Floor Drain	SK-#	Sink
FL	Floor	SS	Stainless Steel
FT	Feet	ST	Standard
GC	General Contractor	STD	Standard
GPH	Gallons Per Hour	TEMP	Temperature
GPM	Gallons Per Minute	TOS	Top of Steel
HW	Hot Water	TYP	Typical
HWR	Hot Water Return	U-#	Urinal
IE	Invert Elevation	VAC	Vacuum
L-#	Lavatory	VB	Vacuum Breaker
MA	Medical Air	V	Sanitary Vent
MAX	Maximum	VTR	Vent Thru Roof
MC	Mechanical Contractor	W	Sanitary Waste
MIN	Minimum	WB-#	Wall Box
MPT	Male Pipe Thread	WC-#	Water Closet
MSB-#	Map Sink Basin	WTS	Water Tight Sleeve
N/A	Not Applicable		

* Not All Abbreviations Used

PLUMBING LEGEND	
SYMBOL	DESCRIPTION
---	COLD WATER LINE - ABOVE GROUND (CW)
---	HOT WATER LINE - ABOVE GROUND (HW)
---	SANITARY WASTE LINE - ABOVE GROUND (S/W)
---	SANITARY WASTE LINE - EXISTING
---	SANITARY VENT LINE (V)
—/—	PIPE DOWN OR DROP (DN OR DROP)
—○—	PIPE UP
— —	PIPE BREAK OR CONTINUATION
●	BALL VALVE
◇	BALANCING VALVE
⊕	CONNECT TO EXISTING
///	AREA TO BE DEMOLISHED

PLUMBING GENERAL NOTES

- VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES IN OR ATTACHED TO CASEWORK WITH THE ARCHITECT AND THE MILLWORK SHOP DRAWINGS. COORDINATE PRIOR TO INSTALLATION.
- CONFIRM OR VERIFY EXACT LOCATION AND ACTUAL INVERT OF ACID WASTE LINES PRIOR TO INSTALLATION.
- DUE TO THE LARGE QUANTITY OF PIPING, DUCTWORK, CONDUIT, ETC. ABOVE THE CEILING COORDINATION WITH OTHER DISCIPLINES IS MANDATORY.
- LOCATE SHUT-OFF VALVE ABOVE CEILING AND IN LOCATIONS ACCESSIBLE FOR SERVICE. LOCATION SHALL COMPLY WITH THE REQUIREMENTS OF ALL CODES REFERENCED HEREIN.
- ALL SANITARY/ACID DRAINAGE PIPING 3" AND LARGER SHALL SLOPE 1/8" PER FOOT UNLESS NOTED OTHERWISE. ALL SANITARY/ACID DRAINAGE PIPING 2-1/2" AND SMALLER SHALL SLOPE 1/4" PER FOOT UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL REFERENCE THE SPECIFICATIONS AND EQUIPMENT SCHEDULE ON DRAWING P-0.1 FOR PLUMBING FIXTURES, EQUIPMENT, MATERIALS, PIPING, INSULATION, HANGERS, AND SUPPORTS.
- ALL FLOOR DRAINS SHALL BE INSTALLED PLUMB AND LEVEL WITH FINISHED FLOOR ELEVATION FOR SLAB INSTALLATION.
- CONTRACTOR SHALL PROVIDE HANGERS AND SUPPORTS FOR SEISMIC RESTRAINT PER THE 2007 INTERNATIONAL BUILDING CODE.
- ALL DRAINAGE PIPING AND PRESSURE SYSTEM PIPING SHALL BE RUN AS HIGH AS POSSIBLE TO BOTTOM OF STRUCTURE, UNLESS NOTED OTHERWISE. COORDINATE PIPE ROUTING WITH ALL OTHER TRADES.
- THE FOLLOWING PLUMBING SYSTEMS SHALL BE INSULATED: COLD WATER, HOT WATER, P-TRAPS AND HORIZONTAL PIPING RECEIVING CONDENSATE ABOVE CEILING.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE.
- LOCATE FLOOR CLEANOUTS PAST LIMITS OF THE CASEWORK.
- CONTRACTOR SHALL MAKE PROVISIONS FOR EXPANSION LOOPS WHERE NECESSARY WHETHER OR NOT SHOWN ON DRAWINGS.
- OFFSET PLUMBING VENTS, WATER PIPING AS NECESSARY TO AVOID CONFLICTS WITH DUCTWORK.
- IT IS THE INTENT AND MEANING OF THE DRAWINGS TO PROVIDE COMPLETE AND OPERABLE PLUMBING AND DRAINAGE SYSTEMS.
- CONTRACTOR SHALL BE BOUND BY THE REQUIREMENTS OF THE UNDERGROUND UTILITIES DAMAGE PREVENTION ACT, STATUTE 58-35-10.
- ALL PLUMBING LINE SIZE REDUCTIONS SHALL BE MADE WITH REDUCERS AND/OR REDUCING FITTINGS.
- PLUMBING CONTRACTOR SHALL TEST EACH REDUCED PRESSURE BACKFLOW PREVENTER AND DOUBLE CHECK VALVE INSTALLED USING A CERTIFIED TESTER IN ACCORDANCE WITH SOUTH CAROLINA PRIMARY DRINKING WATER REGULATIONS.
- ALL GAS PIPING IN PARTITION WALLS SHALL BE ANNEALED COPPER WITH BRAZED JOINTS. A STEEL STRIKER BARRIER NOT LESS THAN 0.0508 INCH THICK SHALL BE INSTALLED BETWEEN THE PIPING AND THE FINISHED WALL EXTENDING AT LEAST 4 INCHES BEYOND CONCEALED PENETRATIONS OF PLATES, FIRE STOPS, WALL STUDS, ETC... GAS PIPING SHALL NOT BE INSTALLED IN CMU OR SOLID WALLS.
- PLUMBING CONTRACTOR TO MAKE FINAL CONNECTIONS ON ALL LAB FIXTURES.
- THESE DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT SHOW EXACT LOCATIONS OF FIXTURES AND EQUIPMENT. ALL OFFSETS AND FITTINGS FOR COMPLETE INSTALLATION MAY NOT BE DEFINED ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT DIMENSIONS AT THE BUILDING AND ANY NECESSARY CHANGES MADE IN ACCORDANCE WITH STRUCTURAL CONDITIONS, EQUIPMENT TO BE INSTALLED AND COORDINATION WITH OTHER SYSTEMS. IF CONFLICTS CANNOT BE RESOLVED THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER.
- CONTRACTOR SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS INsofar AS THEY APPLY: NFPA 54, 2006 INTERNATIONAL BUILDING, GAS AND PLUMBING CODES.
- CONTRACTOR SHALL SECURE ALL PERMITS, INSPECTIONS, LICENSES AND TESTS REQUIRED FOR THIS WORK AND PAY ALL FEES IN CONNECTION THEREWITH.
- ALL MATERIALS SHALL BEAR THE MANUFACTURER'S NAME, TRADE NAME AND BE U.L. LABELED IF REQUIRED. UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. ALL EQUIPMENT OF A SIMILAR TYPE SHALL BE OF THE SAME MANUFACTURER.
- CONTRACTOR SHALL LOCATE AND SIZE ALL OPENINGS REQUIRED FOR PLUMBING EQUIPMENT AND PIPING; AND PROVIDE THIS INFORMATION TO THE GENERAL CONTRACTOR IN TIME NOT TO DELAY BUILDING CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE AND LOCATE SLEEVES AND INSERTS REQUIRED BEFORE THE FLOOR AND WALLS ARE BUILT OR SHALL BE RESPONSIBLE FOR THE COST OF CUTTING AND PATCHING REQUIRED FOR PIPES WHERE SLEEVES AND INSERTS WERE NOT INSTALLED OR WHERE THEY WERE INCORRECTLY LOCATED.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR OF THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR TO PERFORM THE CONSTRUCTION WORK IN ACCORDANCE WITH THE DRAWINGS.

PLUMBING FIXTURE SCHEDULE

- P-1; LABORATORY DECK MOUNT CHEMICAL RESISTANT FAUCET
- TYPE
 - WATERSAVER ColorTech CT1414VB 6" SPREAD GOOSENECK, DECK MOUNTED, MIXING LAB FAUCET
 - AERATOR OUTLET TIP
 - VACUUM BREAKER, RIGID NECK
 - ADJUSTABLE VOLUME COMPRESSION CONTROL
 - COLOR CODED NYLON 4 ARM HANDLES
 - SATIN NICKEL CLEAR EPOXY FINISH
 - CONNECTION
 - 1/2" CW & HW, 1-1/2" ACID WASTE
 - MOUNTING
 - RIGID INTEGRAL COUNTER MOUNT AS SHOWN ON ARCH DRAWINGS.
 - SUPPLIES
 - MOGURE 16SLK WITH LOOSE KEY STOPS, AERATOR TIP
 - FOUR ARM HANDLES
 - DRAIN
 - CHARLOTTE PIPE AW-1A ACID WASTE
 - TRAP
 - ACID WASTE.



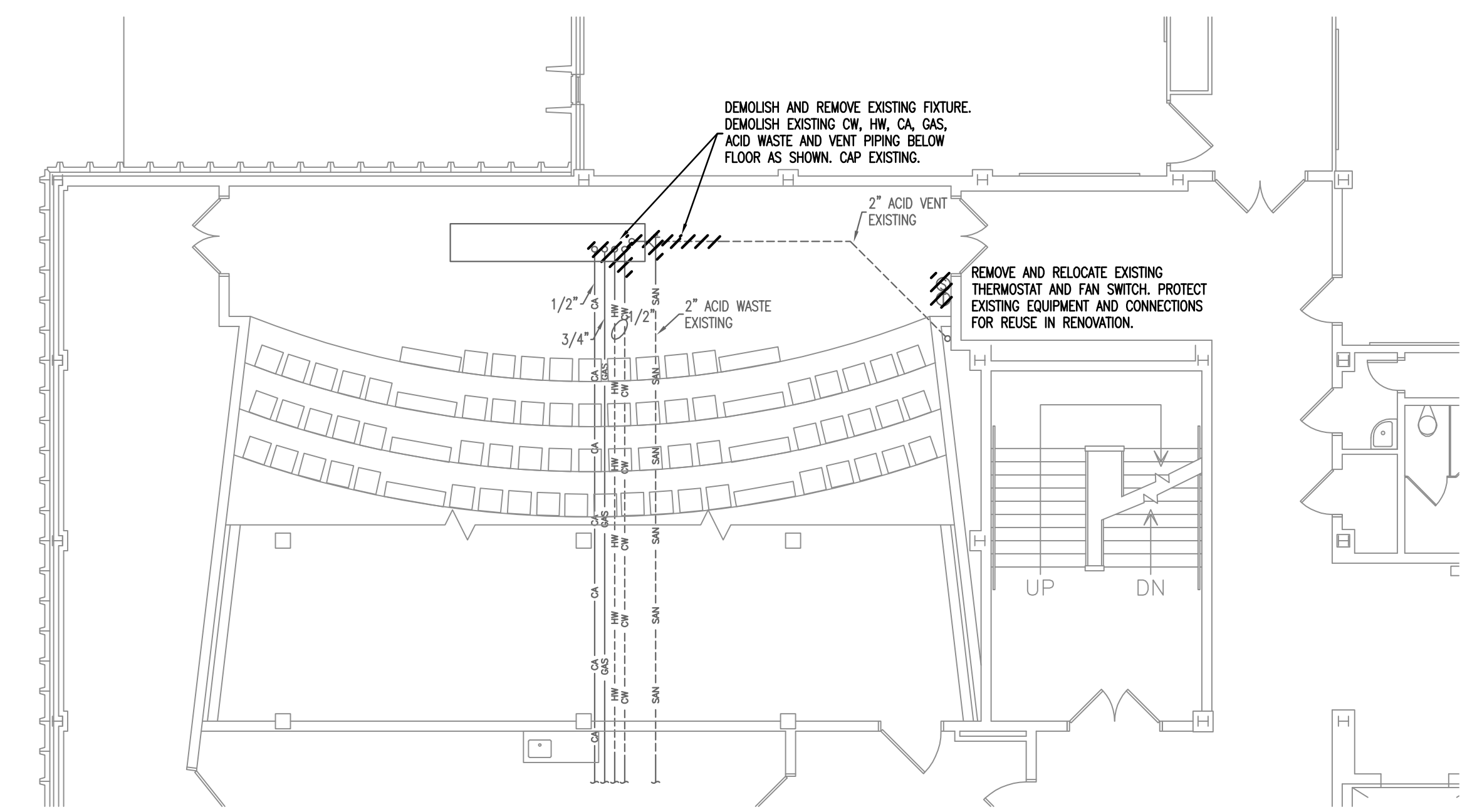
- P-2; LABORATORY DECK MOUNT CHEMICAL RESISTANT GAS VALVE
- TYPE
 - WATERSAVER CT4260-232SWSA
 - COLOR CODED NYLON HANDLES
 - SATIN NICKEL CLEAR EPOXY FINISH
 - FORGED BRASS VALVE BODY
 - CHROME PLATED BRASS BALL WITH MOLDED TEFLON SEALS
 - CONNECTION
 - 3/8" IPS
 - MOUNTING
 - DECK MOUNTED, SEE ARCH DWGS FOR CONTINUATION



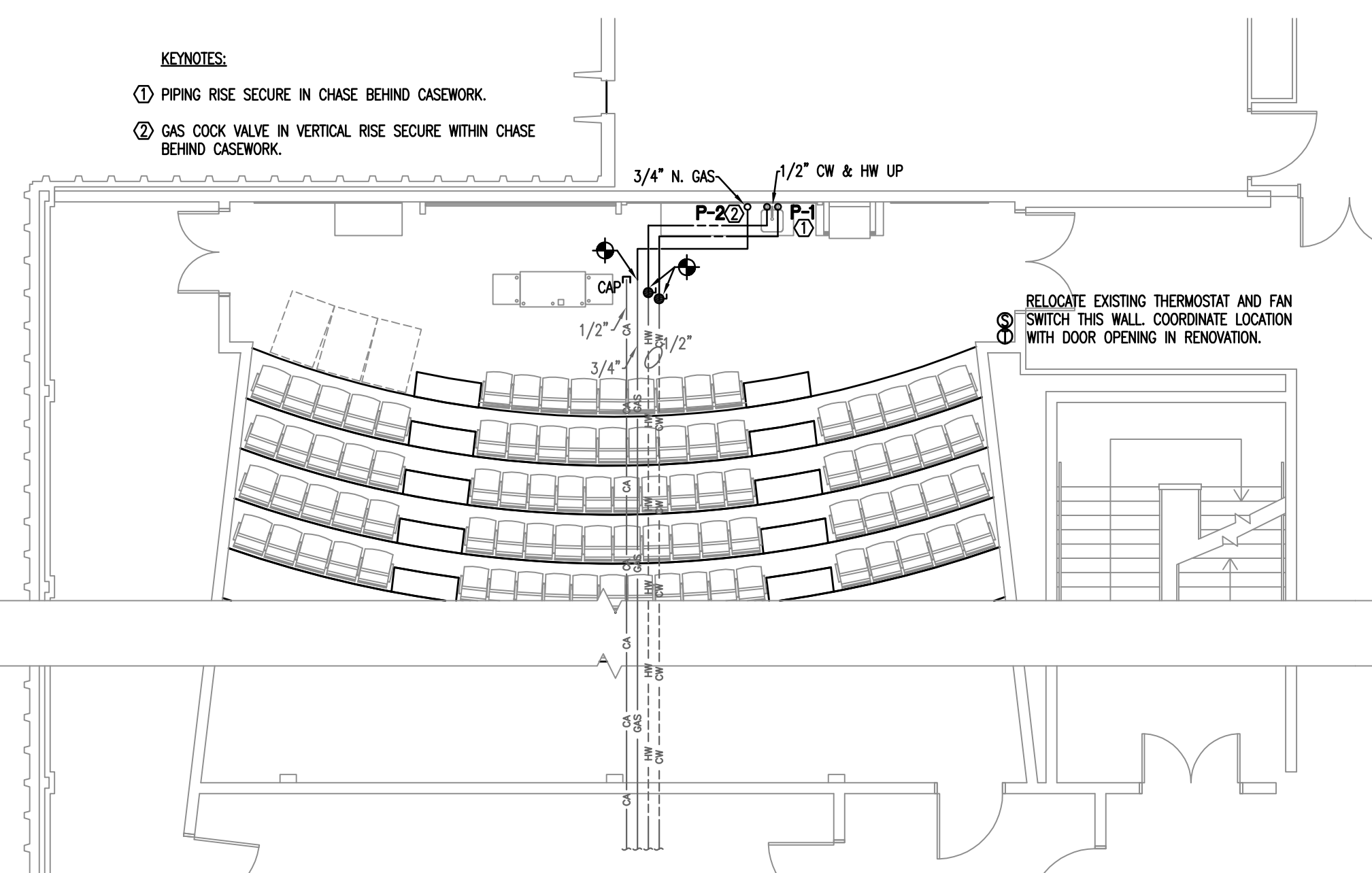
PIPE IDENTIFICATION SCHEDULE

SERVICE TYPE	DECAL IDENTIFICATION	TAPE COLOR
COLD WATER SERVICE	COLD WATER SUPPLY	GREEN
HOT WATER	DOMESTIC HOT WATER	YELLOW

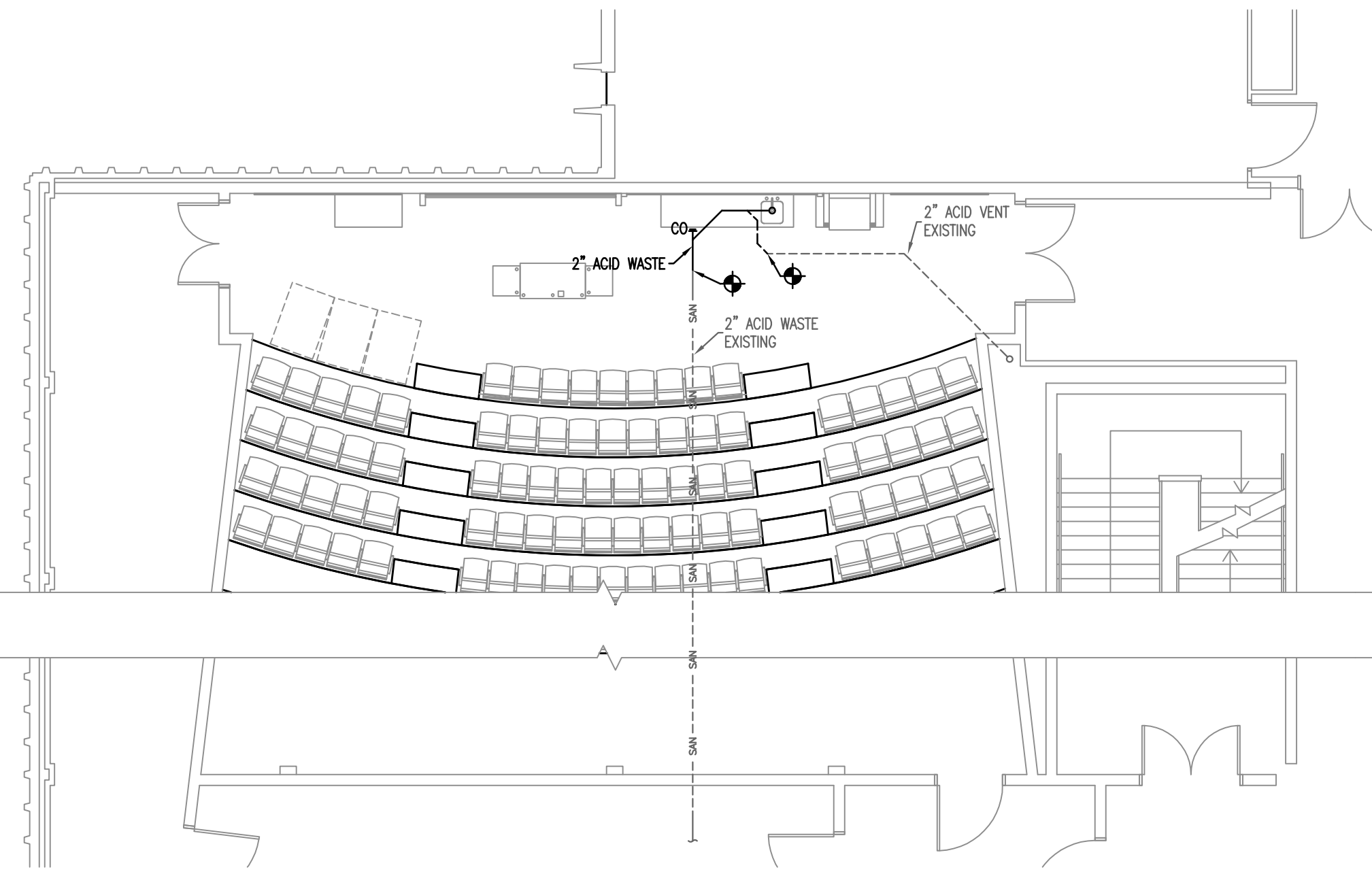
- PIPE SIZES 1-1/4" TO 6", USE 2-1/4" LETTERING.
- PIPE SIZES 1" OR LESS, USE 1-1/4" LETTERING.



PARTIAL SECOND FLOOR DEMOLITION PLAN
1/8" = 1'-0"



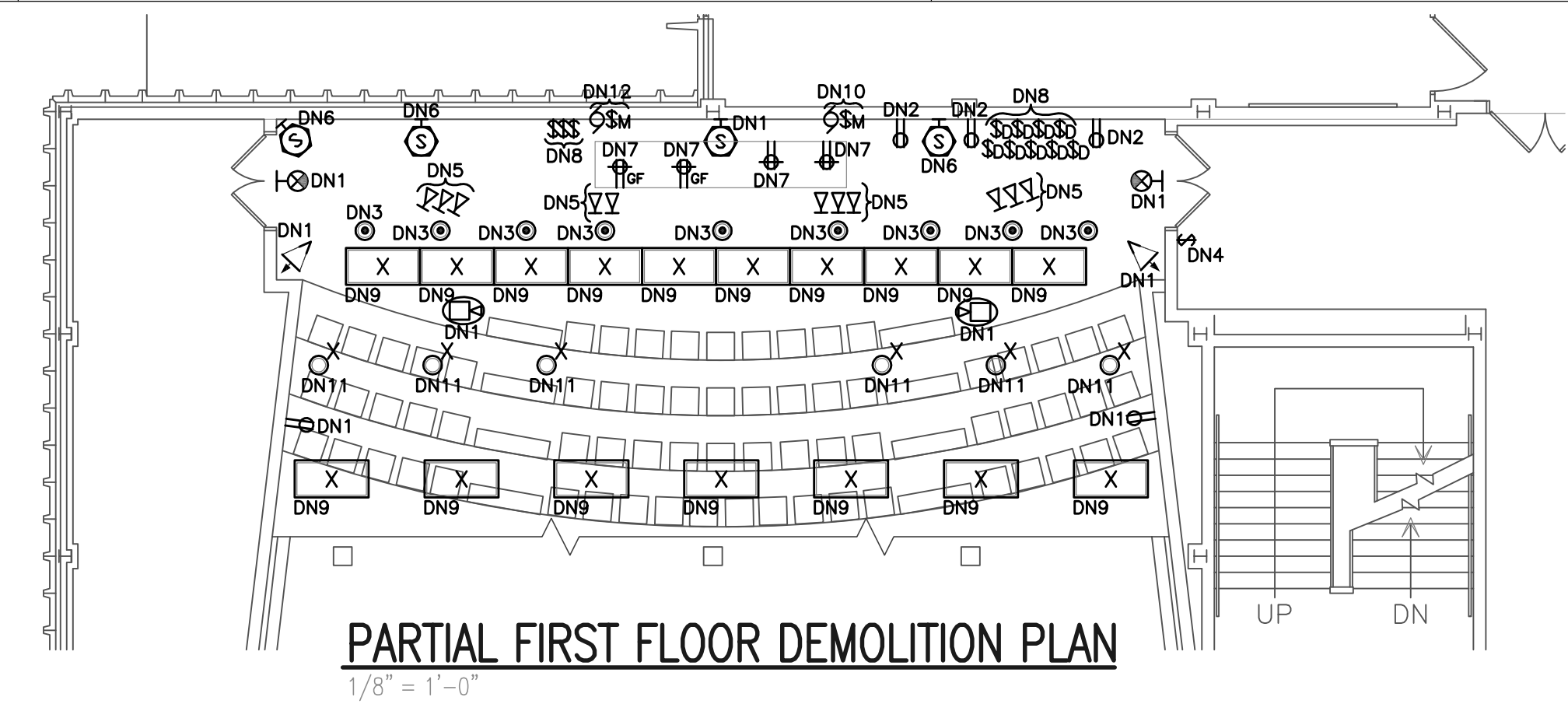
PARTIAL SECOND FLOOR RENOVATION PLAN
1/8" = 1'-0"



PARTIAL SECOND FLOOR RENOVATION WASTE & VENT PLAN
1/8" = 1'-0"

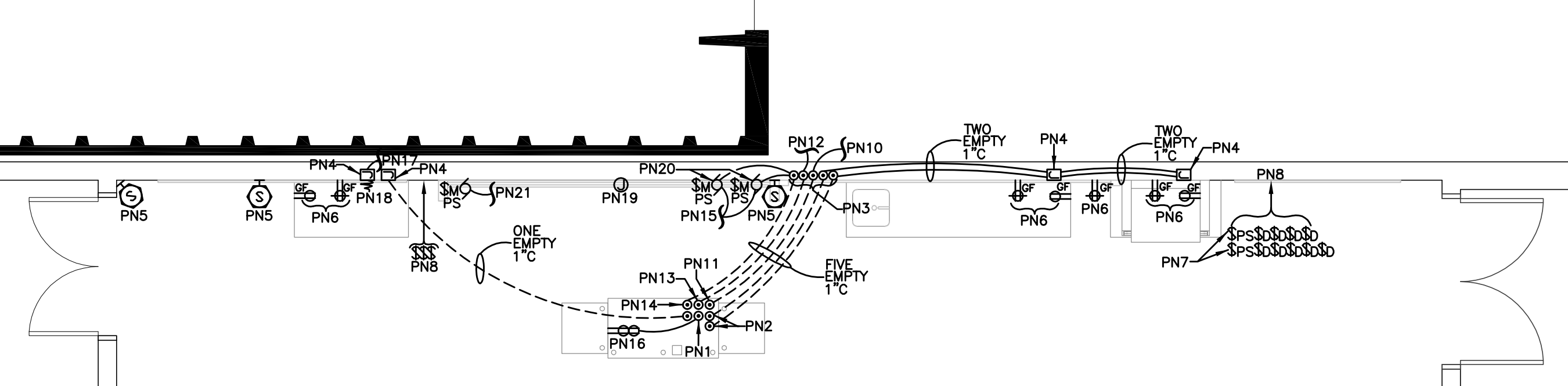
NO	ISSUE	REVISIONS	DATE

SHEET INFORMATION	
Date	02.08.12
Project No.	11.126.00
Scale	As Indicated
Drawn By	
Checked By	
State Project No.	H27-4905



DEMOLITION NOTES (DN):

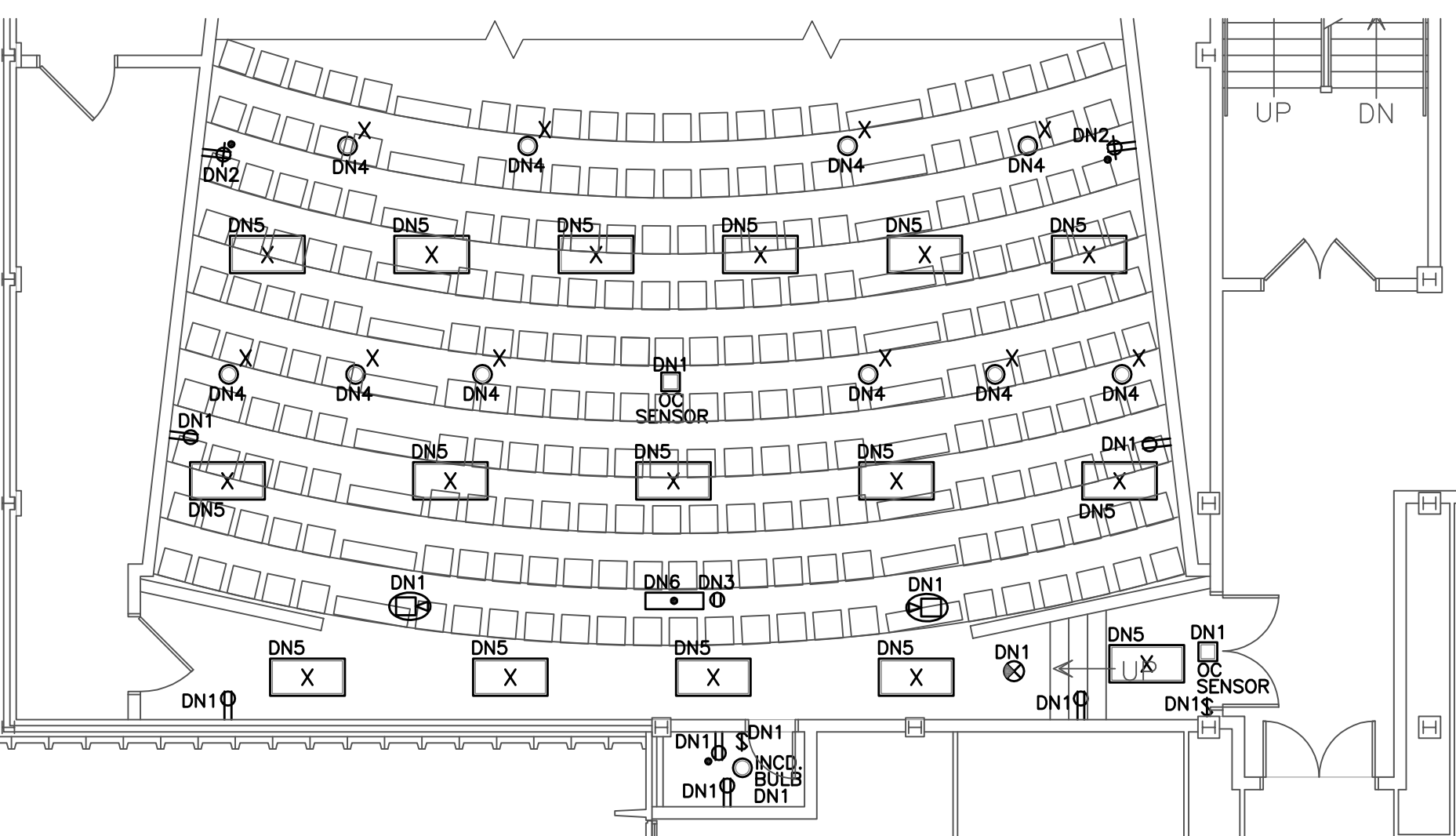
- DN1. EXISTING ELECTRICAL DEVICE SHALL REMAIN AS-IS UNLESS OTHERWISE NOTED.
- DN2. DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICE, CONDUIT, WIRE, AND BACKBOX SHALL BE REMOVED BACK TO SOURCE J-BOX. REPAIR WALL TO CONDITION OF REMAINING WALL. RE-CIRCUIT AS REQUIRED TO MAINTAIN SERVICE TO ALL DOWNSTREAM DEVICES. COORDINATE.
- DN3. EC SHALL DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE, CONDUIT, WIRE, AND BACKBOX SHALL BE REMOVED BACK TO SOURCE J-BOX. RE-CIRCUIT AS REQUIRED TO MAINTAIN SERVICE TO ALL DOWNSTREAM DEVICES. COORDINATE.
- DN4. EXISTING LIGHT SWITCH, FACE PLATE, WIRE, & BACKBOX SHALL BE DISCONNECTED, REMOVED AND RELOCATED. SEE RENOVATION PLAN FOR NEW SWITCH LOCATION.
- DN5. EC SHALL INSTALL MISSING & BLOWN BULBS IN EXISTING FIXTURE. EC SHALL COORDINATE FIXTURE POSITIONING WITH OWNER AFTER CONSTRUCTION. COORDINATE.
- DN6. OWNER SHALL DISCONNECT, RELOCATE, AND REINSTALL EXISTING SPEAKER. COORDINATE.
- DN7. EXISTING RECEPTACLE SHALL BE DISCONNECTED AND REMOVED. EXISTING CIRCUIT TO EXISTING TABLE SHALL BE EXTENDED AS REQUIRED TO NEW LECTURN LOCATION AS SHOWN ON RENOVATION PLAN. COORDINATE.
- DN8. EXISTING SWITCHES AND FACE PLATES SHALL BE DISCONNECTED AND REMOVED. WIRES AND BACKBOXES SHALL BE DISCONNECTED AND REMOVED. SEE RENOVATION PLAN FOR NEW SWITCH LOCATIONS.
- DN9. EC SHALL DISCONNECT AND REMOVE EXISTING FIXTURE LENS. EC SHALL FURNISH AND INSTALL A NEW METAL #12 PATTERN 125 ACRYLIC LENS FOR EXISTING FIXTURE. RE-LAMP BROKEN OR BLOWN LAMPS AS REQUIRED FOR EACH FIXTURE COORDINATE.
- DN10. EC SHALL DISCONNECT AND OWNER TO REMOVE EXISTING A/V MOTORIZED SCREEN. EXISTING CIRCUIT FOR MOTORIZED SCREEN SHALL REMAIN. COORDINATE.
- DN11. CLEAN LENS AND RE-LAMP BROKEN OR BLOWN LAMPS AS REQUIRED. COORDINATE.
- DN12. EC SHALL DISCONNECT AND OWNER TO REMOVE EXISTING MOTORIZED MARKER BOARD. EXISTING CIRCUIT FOR MOTORIZED MARKER BOARD SHALL REMAIN. COORDINATE.



POWER NOTES (PN):

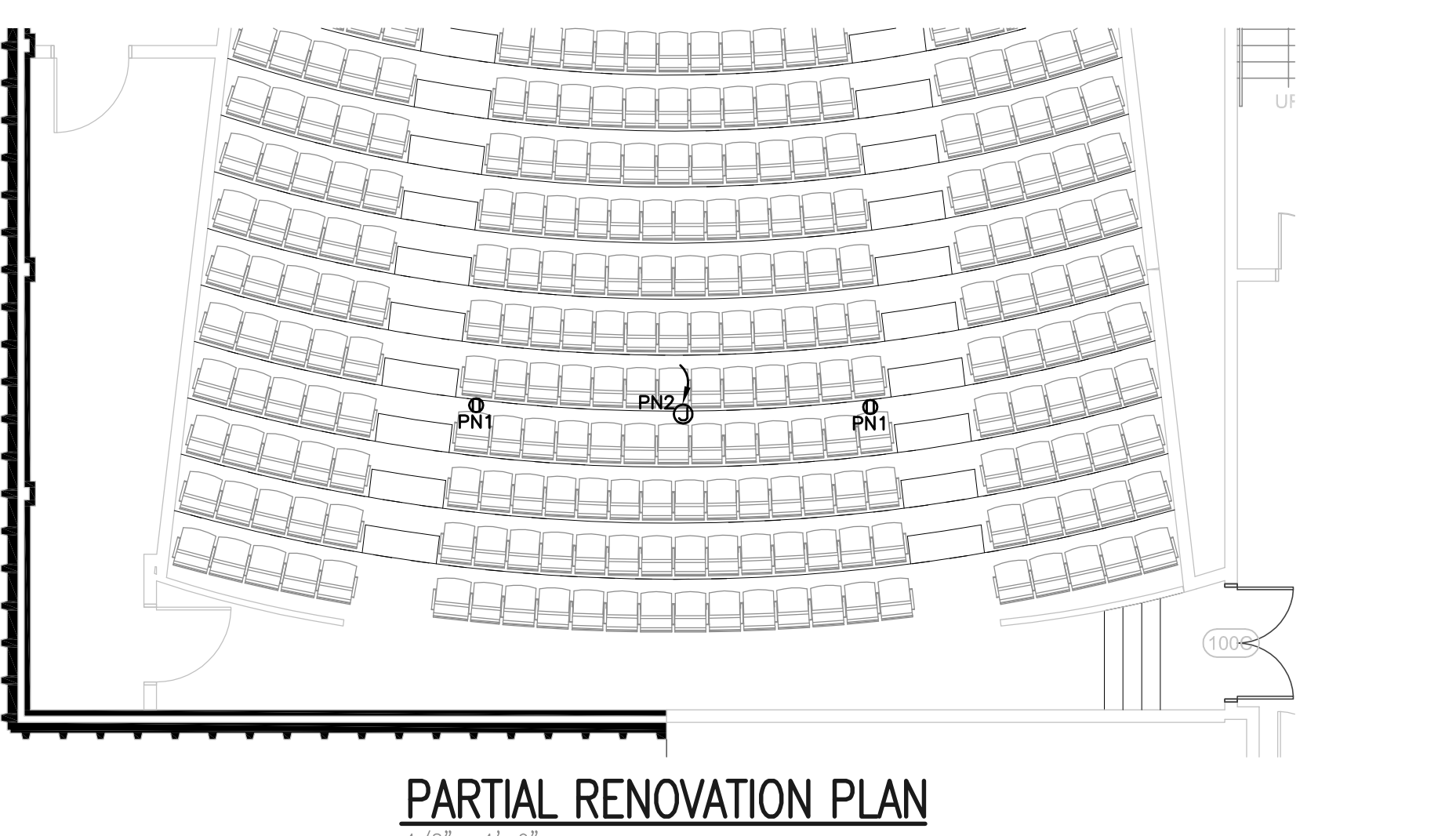
- PN1. EXISTING CIRCUIT FROM EXISTING TABLE FROM DEMOLITION. EXTEND AS REQUIRED FOR RELOCATION TO PROVIDE POWER NEW LECTURN A/V EQUIPMENT. COORDINATE EXACT STUB-UP AREA WITH USC A/V PRIOR TO ROUGH-INS.
- PN2. 2-1" PENETRATIONS STUBBED UP THROUGH FLOOR UNDER NEW LECTURN FOR OWNER SUPPLIED A/V EQUIPMENT COMMUNICATION CABLES TO LECTURN A/V EQUIPMENT. COORDINATE EXACT CONDUIT PENETRATION LOCATIONS WITH A/V EQUIPMENT SUPPLIER PRIOR TO ROUGH-INS.
- PN3. 5-1" PENETRATIONS STUBBED UP THROUGH FLOOR INTO WALL CHASE.
- PN4. RECESSED MOUNTED J-BOX FOR A/V EQUIPMENT CABLES. EC SHALL COORDINATE J-BOX SIZE AND EXACT MOUNTING LOCATION WITH USC A/V PRIOR TO ROUGH-INS.
- PN5. EXISTING SPEAKERS FROM DEMOLITION. OWNER SHALL RECONNECT AND REINSTALL. EC SHALL CONNECT RECEPTACLE TO NEAREST NORMAL POWER RECEPTACLE CIRCUIT. EC SHALL COORDINATE EXACT MOUNTING LOCATION ABOVE AND BELOW CASEWORK WITH USC A/V PRIOR TO ROUGH-INS. SEE SYMBOL SCHEDULE FOR MOUNTING HEIGHTS.
- PN7. SWITCH TO CONTROL EACH ELECTRIC PROJECTOR SCREEN. SWITCH FURNISHED WITH OWNER PROVIDED PROJECTOR. INSTALLED AND WIRED BY THE EC. EC SHALL COORDINATE EXACT MOUNTING LOCATION WITH OWNER PRIOR TO ROUGH-INS.
- PN8. EC SHALL FURNISH AND INSTALL NEW SWITCHES IN EXISTING BACKBOXES FROM DEMOLITION. EC SHALL EXTEND EXISTING SWITCHES SWITCH LEGS TO NEW LOCATION. COORDINATE EXACT LOCATION WITH OWNER.
- PN9. RELOCATED LIGHT SWITCH FROM DEMOLITION. EXTEND EXISTING LIGHTING CIRCUIT AS REQUIRED FROM DEMOLITION.
- PN10. EXISTING LIGHTING DIMMER SWITCH LEGS TO ALL DIMMERS IN ROOM. EC SHALL EXTEND ALL DIMMER SWITCH LEGS TO NEW LECTURN. COORDINATE.
- PN11. 1-1" PENETRATION STUBBED UP THROUGH FLOOR UNDER NEW LECTURN FOR EXISTING DIMMER SWITCH LEGS TO LECTURN A/V EQUIPMENT. USC A/V SHALL MAKE FINAL CONNECTIONS. COORDINATE EXACT CONDUIT PENETRATION LOCATION WITH A/V EQUIPMENT SUPPLIER PRIOR TO ROUGH-INS.
- PN12. 1" WITH FULL STRING UP WALL CAVITY TO J-BOX MOUNTED ABOVE CEILING OVER AUDITORIUM SEATING.
- PN13. 1-1" PENETRATION STUBBED UP THROUGH FLOOR UNDER NEW LECTURN FOR OWNER PROVIDED PROJECTOR FIBER TO LECTURN A/V EQUIPMENT. USC A/V SHALL MAKE FINAL CONNECTIONS. COORDINATE EXACT CONDUIT PENETRATION LOCATION WITH A/V EQUIPMENT SUPPLIER PRIOR TO ROUGH-INS.
- PN14. 1-1" PENETRATION STUBBED UP THROUGH FLOOR UNDER NEW LECTURN FOR PROJECTOR SCREEN CONTROLS TO LECTURN A/V EQUIPMENT. USC A/V SHALL MAKE FINAL CONNECTIONS. COORDINATE EXACT CONDUIT PENETRATION LOCATION WITH A/V EQUIPMENT SUPPLIER PRIOR TO ROUGH-INS.
- PN15. CONNECT TO EXIST PROJECTOR CIRCUIT FROM DEMOLITION. COORDINATE.
- PN16. EC SHALL COORDINATE EXACT LOCATION FOR DUO RECEPTACLE WITH USC A/V.
- PN17. 1" TO J-BOX ABOVE CEILING FOR PROJECTOR SCREEN CONTROLLER WIRING.
- PN18. EC SHALL FLEX AND CONNECT TO PROJECTOR SCREEN CONTROLLER. COORDINATE EXACT LOCATION WITH USC A/V.
- PN19. PLENUM MOUNTED J-BOX FOR BOTH PROJECTOR SCREENS CONTROLLER WIRING.
- PN20. COORDINATE EXACT LOCATION OF NEW A/V PROJECTOR SCREENS.
- PN21. CONNECT TO EXISTING MOTORIZED SCREEN CIRCUIT FROM DEMOLITION. COORDINATE.

ELECTRICAL SYMBOL SCHEDULE			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
LP1-2,4	BRANCH CIRCUIT RACEWAY. RUN CONCEALED IN CEILING OR WALLS. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBER FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.	8	ELECTRICAL CIRCUIT BREAKER PANELBOARD. SEE PANEL SCHEDULES ON SHEET ES.1.
LP1-2,4	BRANCH CIRCUIT RACEWAY. RUN IN AND/OR UNDER SLAB. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBER FOR HOMERUN. INSTALL GROUND WIRE IN ALL RACEWAYS. #12 AWG MINIMUM AND AS PER CODE.	8	DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED, GROUND FAULT CIRCUIT INTERRUPTER, 16" AFF. THE NUMBER DENOTES CIRCUIT NUMBER. "WP" DENOTES WEATHERPROOF COVER.
SPST	CEILING MOUNTED FLOURESCENT LIGHT FIXTURE. LETTER DENOTES TYPE OF FIXTURE, SEE FIXTURE SCHEDULE. NUMBER DENOTES CIRCUIT NUMBER. SEE REFLECTED CEILING PLAN.	8	DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED, 3" ABOVE THE TOP OF THE COUNTERTOP BACKSPASH, UNLESS OTHERWISE NOTED. THE RECEPTACLE SHALL NOT EXCEED 6" ABOVE THE BACKSPASH. THE NUMBER DENOTES CIRCUIT NUMBER. REFER TO ARCHITECTURAL ELEVATIONS AND COORDINATE WITH MILLWORK CONTRACTOR. "GF" DENOTES GFPI RECEPTACLE.
A	EXIT SIGN. REFER TO FIXTURE SCHEDULE. DARKENED AREA DENOTES SIGN FACE. NUMBER DENOTES CIRCUIT NUMBER. STEM DESIGNATES WALL MOUNTING. NO STEM DENOTES CEILING MOUNTED.	8	DUPLEX RECEPTACLE, 20 AMP, WALL MOUNTED ADJACENT TO TV OUTLET.
SPS	SWITCH TO CONTROL ELECTRIC PROJECTOR SCREEN. SWITCH FURNISHED WITH PROJECTOR. INSTALLED AND WIRED BY THE EC. MOUNT 48" AFF.	8	2 - 120 VOLT, 20 AMP DUPLEX RECEPTACLES, WALL MOUNTED, 16" AFF, UNLESS OTHERWISE NOTED. THE NUMBER DENOTES CIRCUIT NUMBER.
SD	DIMMER SWITCH. 20A.	8	2 - 120 VOLT, 20 AMP DUPLEX RECEPTACLES, WALL MOUNTED, 3" ABOVE THE TOP OF THE COUNTERTOP BACKSPASH, UNLESS OTHERWISE NOTED. THE RECEPTACLE SHALL NOT EXCEED 6" ABOVE THE BACKSPASH. THE NUMBER DENOTES CIRCUIT NUMBER. REFER TO ARCHITECTURAL ELEVATIONS AND COORDINATE WITH MILLWORK CONTRACTOR. "GF" DENOTES GFPI PROTECTED.
PS	RECESSED, CEILING MOUNTED ELECTRIC PROJECTOR SCREEN. SCREEN FURNISHED BY USC AND INSTALLED BY THE GC. WIRE TO THE EC. DISCONNECT SWITCH FURNISHED, INSTALLED AND WIRED BY THE EC.	8	DUPLEX RECEPTACLE, 20 AMP, 120 VOLT, CEILING MOUNTED. NUMBER DENOTES CIRCUIT NUMBER.
PS	CEILING MOUNTED PROJECTOR.	8	CONDUIT FLOOR STUB-UP.
PS	SPEAKER, WALL MOUNTED.	8	DENOTES THAT ELECTRICAL DEVICE IS SURFACE MOUNTED.
PS	OCCUPANCY SENSOR, CORNER MOUNTED.	8	
COMMUNICATIONS/SIGNAL		ABBREVIATIONS	
1	SINGLE PORT VOICE OUTLET RECEPTACLE. FLUSH WALL MOUNTED, 16" AFF. MOUNT EVEN WITH OTHER OUTLETS. 1 GANG BACKBOX. STUB CONDUIT FROM BOX TO ABOVE CEILING. (3/4")	A	AMPERE
2	TWO PORT COMBINATION TELEPHONE AND DATA OUTLET RECEPTACLE, SINGLE GANG, 16". STUB CONDUIT FROM BOX TO ABOVE CEILING. (3/4")	AFT	ABOVE FINISHED FLOOR.
3	FIRE ALARM HORN WITH FLASHING LIGHT, MOUNTED 80" AFF OR 12" BELOW FINISHED CEILING, WHICHEVER IS LOWER. NUMBER DENOTES CANDELLA LIGHT LEVEL OF STROBE.	ATS	AUTOMATIC TRANSFER SWITCH
4	FIRE ALARM VISUAL UNIT WITH STROBE LIGHT, MOUNTED 80" AFF OR 12" BELOW CEILING, WHICHEVER IS LOWER. NUMBER DENOTES CANDELLA LIGHT LEVEL OF STROBE.	BKR	BREAKER.
5	CEILING MOUNTED FIRE ALARM HORN WITH FLASHING LIGHT. NUMBER DENOTES LIGHT LEVEL OF STROBE.	C	CIRCUIT.
6		CKT	EXISTING CIRCUIT.
7		EC	ELECTRICAL CONTRACTOR, DIVISION 16.
8		EF	EXHAUST FAN.
9		FCU	FAN COIL UNIT.
10		GC	GENERAL CONTRACTOR, DIVISION 00 THROUGH 14.
11		GF	GROUND FAULT CIRCUIT INTERRUPTER.
12		JB	JUNCTION BOX.
13		J-BOX	JUNCTION BOX.
14		KVA	KILOVOLT AMPERES.
15		KW	KILOWATT.
16		MAX	MAXIMUM.
17		MC	MECHANICAL CONTRACTOR, DIVISION 15.
18		MDP	MAIN DISTRIBUTION PANEL.
19		MIN	MINIMUM.
20		VFD	VARIABLE FREQUENCY DRIVE.
21		NEC	2011 NATIONAL ELECTRICAL CODE. (NFPA 70).
22		SWBD	SWITCHBOARD.
23		TYP	TYPICAL.
24		WC	WATER COOLER.
25		X	EXISTING.



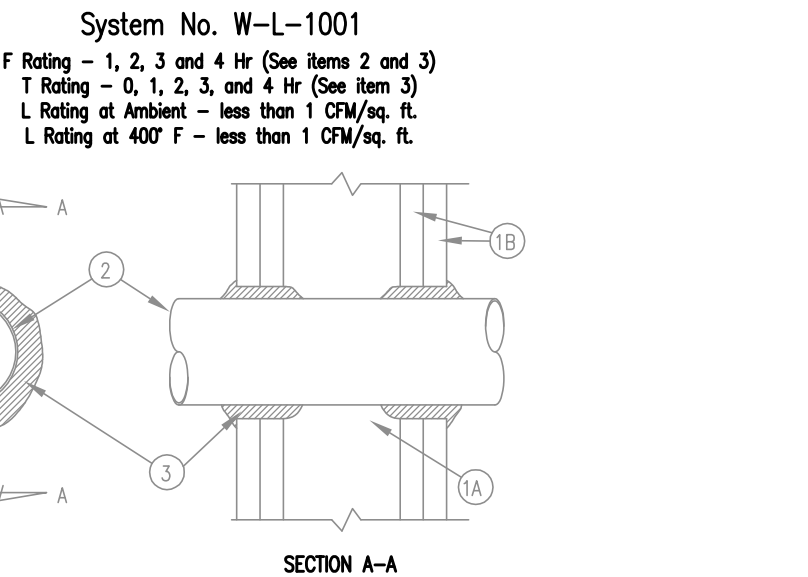
DEMOLITION NOTES (DN):

- DN1. EXISTING ELECTRICAL DEVICE SHALL REMAIN AS-IS UNLESS OTHERWISE NOTED.
- DN2. DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICE, CONDUIT, WIRE, AND BACKBOX SHALL BE REMOVED BACK TO SOURCE J-BOX. REPAIR WALL TO CONDITION OF REMAINING WALL. RE-CIRCUIT AS REQUIRED TO MAINTAIN SERVICE TO ALL DOWNSTREAM DEVICES. COORDINATE.
- DN3. EC SHALL DISCONNECT AND REMOVE EXISTING CEILING MOUNTED RECEPTACLE AND BACKBOX. EXISTING RECEPTACLE SHALL REMAIN FOR USE IN RENOVATION. COORDINATE.
- DN4. CLEAN LENS AND RE-LAMP BROKEN OR BLOWN LAMPS AS REQUIRED. COORDINATE.
- DN5. EC SHALL DISCONNECT AND REMOVE EXISTING FIXTURE LENS. EC SHALL FURNISH AND INSTALL A NEW METAL #12 PATTERN 125 ACRYLIC LENS FOR EXISTING FIXTURE. RE-LAMP BROKEN OR BLOWN LAMPS AS REQUIRED FOR EACH FIXTURE COORDINATE.
- DN6. EXISTING PROJECTOR SHALL BE DISCONNECTED AND REMOVED BY OWNER. EC SHALL DISCONNECT AND REMOVE ALL EXISTING A/V CABLES. COORDINATE WITH OWNER.



POWER NOTES (PN):

- PN1. CEILING MOUNTED RECEPTACLE FOR CEILING MOUNTED PROJECTOR. CONNECT TO EXISTING RECEPTACLE CIRCUIT FROM DEMOLITION. COORDINATE.
- PN2. 1" EMPTY CONDUIT WITH FULL STRING FROM WALL CAVITY. J-BOX MOUNTED ABOVE CEILING FOR OWNER PROVIDED PROJECTOR A/V FIVE. EC SHALL COORDINATE J-BOX SIZE AND EXACT MOUNTING LOCATION WITH USC A/V PRIOR TO ROUGH-INS.



System No. W-1001
F Rating = 1, 2, 3, 4 (See Item 3 and 4)
T Rating = 0, 1, 2, 3, 4 (See Item 3)
L Rating at Ambient = less than 1 CFM/sq ft
L Rating at 400 F = less than 1 CFM/sq ft

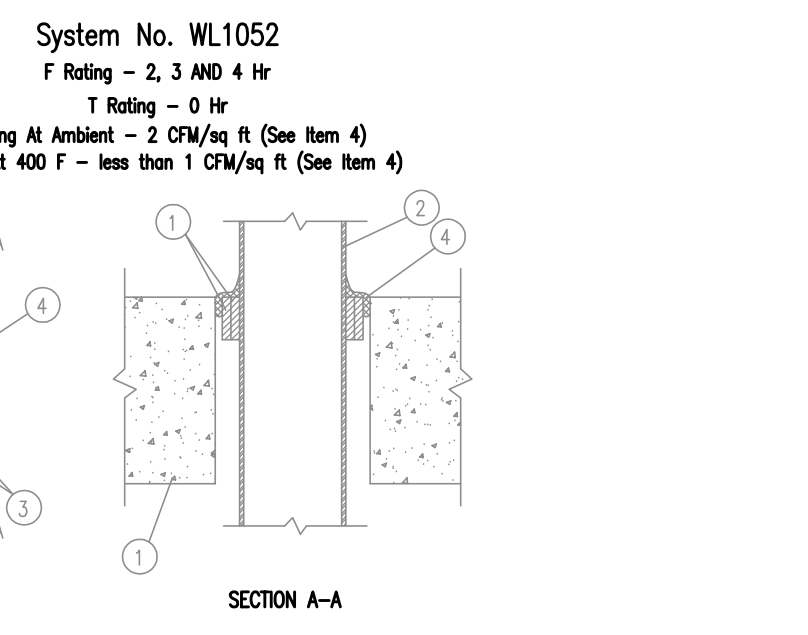
1. Wall Assembly - The 1, 2, 3, or 4 hour fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs - Wall framing may consist of either wood or steel channel studs. Wood studs (max 2 hour fire rated assemblies) or steel channel studs. Wood studs to consist of nominal 2 by 4 in. lumber spaced 16 in. OC with nominal 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC.
B. Wallboard/Gypsum - Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max dim of opening is 13-1/2 in.

2. Pipe or conduit - Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 12 in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe, nom 6 in. (or smaller) steel conduit, nom 4 in. diam (or smaller) steel electrical metallic tubing, nom 6 in. diam (or smaller) Type L (or heavier) copper tubing or nom 1.8 in. diam (or smaller) flexible steel conduit. When copper pipe is used, max F Rating of firestop system (Item 3) is 2 hr. Steel pipe or conduits larger than nom 4 in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit per firestop system. Pipe or conduit to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly.

3. Fill, Void or Condy Material - Caulk - Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min 1/4 in. diam bead of caulk applied to perimeter of pipe or conduit at its entry from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F Rating of the firestop system is DEPENDENT upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly F Rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in which it is installed, or tabulated below:

Max Pipe or Conduit	Spaced	F Rating	T Rating
4 in.	0 to 3/16	1 or 2	0, 1 or 2
4 in.	1/4 to 1/2	2	3
4 in.	1/4 to 1/2	2	3
12 in.	3/16 to 3/8	1 or 2	0

*When copper pipe is used, T Rating is 0 hr.
Minnesota Mining & Mfg. Co. - CP 295B+.
Bearing the UL Classification Marking.



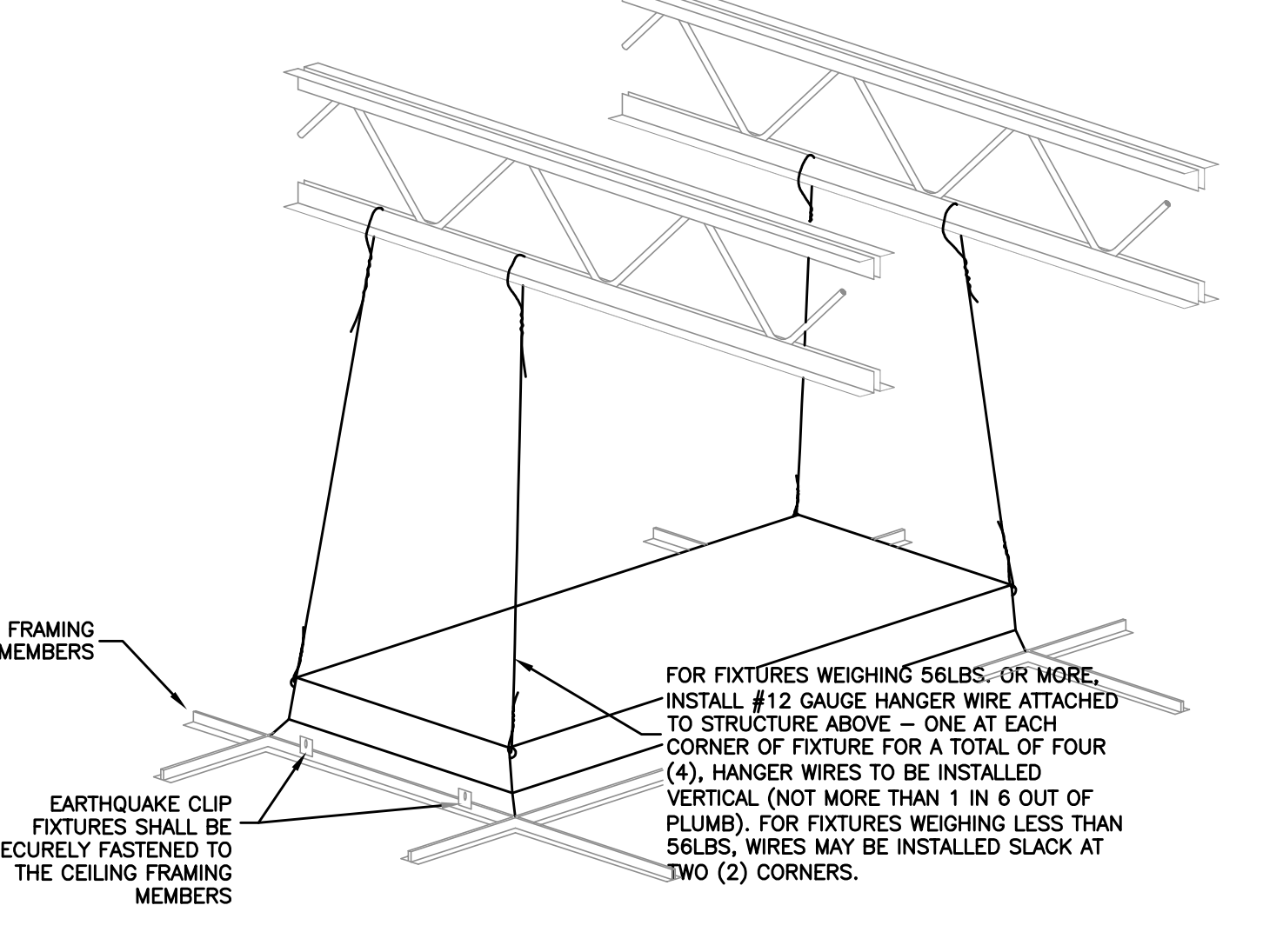
System No. W1052
F Rating = 2, 3 AND 4 hr
T Rating = 0 hr
L Rating at Ambient = 2 CFM/sq ft (See Item 4)
L Rating at 400 F = less than 1 CFM/sq ft (See Item 4)

1. Floor or Wall Assembly - Lightweight or normal weight (100-150 pcf) concrete. Min. thickness of concrete floor or wall assembly is 4-1/2 in. for 2 and 3 hr F Ratings and 5-1/2 in. for 4 hr F Rating. Wall may also be constructed of any UL Classified Concrete Blocks*. Max dim of circular opening is 13-1/2 in. See Concrete Blocks (CB) category in the Fire Resistance Directory for names of manufacturers.

2. Steel Pipe or Conduit - Nom 12 in. diam (or smaller) Schedule 10 or heavier steel pipe, nom 8 in. diam (or smaller) steel conduit or nom 4 in. diam (or smaller) steel EMT. Max one pipe or conduit per opening contained in opening. Min clearance between pipe or conduit and sides of through opening is 1/4 in. Max clearance between pipe or conduit and sides of through opening is 1-3/4 in. for 2 hr F Rating and 3/4 in. for 3 and 4 hr F Ratings. Pipe or conduit to be rigidly supported on both sides of floor or wall assembly.

3. Fill, Void or Condy Material - Wrap Strip - Nom 1/4 in. thick incombustible elastomeric material faced on one side with aluminum foil, applied in 2 in. wide strips. For the 2 and 3 hr F Ratings, min 1 in. wide strip(s) wrapped around pipe/conduit (full side exposed) until OD of wrap strip is equal to or max 3/16 in. less than ID of circular through opening. Wrap strip tightly bound with steel tie wire or pressure sensitive tape and slit into through opening such that the top edge of the wrap strip(s) is recessed 1/4 in. from the top surface of floor or, in wall assemblies, such that the wrap strip(s) is centered in the wall thickness. For the 4 hr F Rating, nom 2 in. wide strip(s) wrapped around pipe/conduit (full side exposed) on each side of the floor or wall assembly until OD of wrap strip is equal to or max 3/16 in. less than ID of circular through opening. Wrap strip tightly bound with steel tie wire or pressure sensitive tape and slit into through opening on each side of floor or wall assembly such that the exposed edges are recessed 1/4 in. from the floor or wall surface.

4. Fill, Void or Condy Material - Caulk - Nom 1/4 in. thickness of caulk to be applied to the exposed edges of the wrap strip and to fill all voids between the pipe/conduit and the periphery of the through opening. For 2 or 3 hour F rating in floor assemblies, caulk to be installed flush with top surface of floor. For wall assemblies and for the 4-hour F Rating in floor assemblies, caulk to be applied on both sides of assembly.
Minnesota Mining & Mfg. Co. - Types FS-195, FS-195+
Minnesota Mining & Mfg. Co. - Types CP-25 S/A, CP-25 N/S, CP-25 WB, CP-25 WB+. (Note: L Ratings apply only when Type CP-25 WB+ caulk is used.)
Bearing the UL Classification Marking.



2 RECESSED LIGHTING FIXTURE DETAIL
NTS

WHERE FIXTURES ARE HUNG IN A FIRE RATED CEILING, THE CEILING CONTRACTOR SHALL PROVIDE FIRE PROTECTION AS SHOWN IN UL FIRE RESISTANCE BOOK AS DESIGN NOTE P230 OR P510.