

CODE ANALYSIS

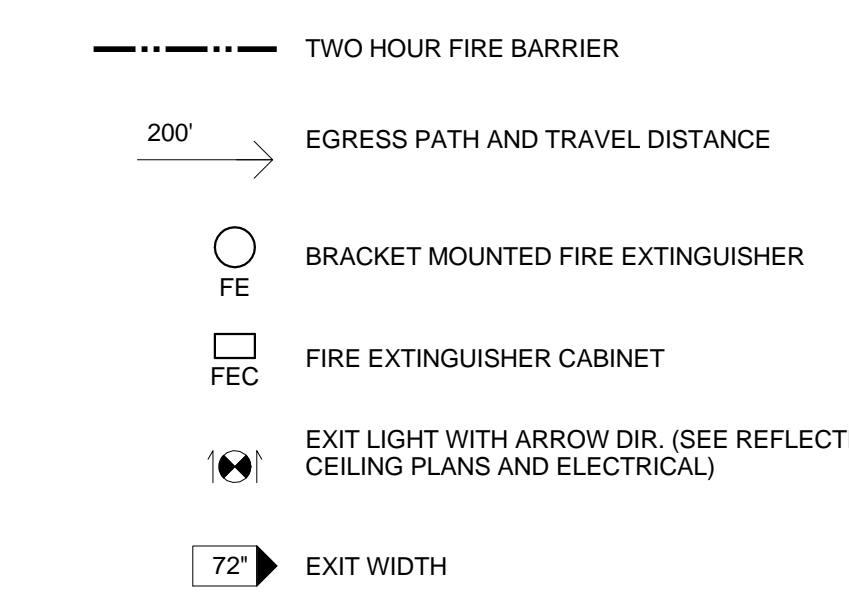
PROJECT DESIGNED IN ACCORDANCE WITH:

- A. INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION
- B. INTERNATIONAL EXISTING BUILDING CODE (IEBC), 2012 EDITION
- C. INTERNATIONAL FIRE CODE (IFC), 2012 EDITION
- D. INTERNATIONAL ENERGY CONSERVATION CODE (IECC), 2009 EDITION
- E. INTERNATIONAL FUEL GAS CODE (IFGC), 2012 EDITION
- F. INTERNATIONAL MECHANICAL CODE (IMC), 2012 EDITION
- G. INTERNATIONAL PLUMBING CODE (IPC), 2012 EDITION
- H. INTERNATIONAL PRIVATE SEWAGE DISPOSAL CODE (IPSDC), 2012 EDITION
- I. INTERNATIONAL PROPERTY MAINTENANCE CODE (IPMC), 2012 EDITION
- J. INTERNATIONAL RESIDENTIAL CODE FOR ONE AND TWO FAMILY DWELLINGS (IRC), 2012 EDITION
- K. INTERNATIONAL WILDLAND-URBAN INTERFACE CODE (IUIIC), 2012 EDITION
- L. NATIONAL ELECTRICAL CODE (NEC), NFPA 70, 2011 EDITION
- M. NATIONAL ELECTRICAL SAFETY CODE, ANSI-C2-2012 EDITION
- N. ICC/ANSI-A117.1-2009, ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES
- O. STATE FIRE MARSHAL RULES, REGULATIONS AND POLICIES, LATEST REVISION
- P. SOUTH CAROLINA ELEVATOR CODE AND REGULATIONS AND ASME A17.1
- Q. STATE OF SC TELEPHONE EQUIPMENT ROOM AND COMMUNICATIONS DATA SYSTEMS POLICIES AS FORMULATED BY THE OFFICE OF INFORMATION RESOURCES (OIR) TELECOMMUNICATIONS

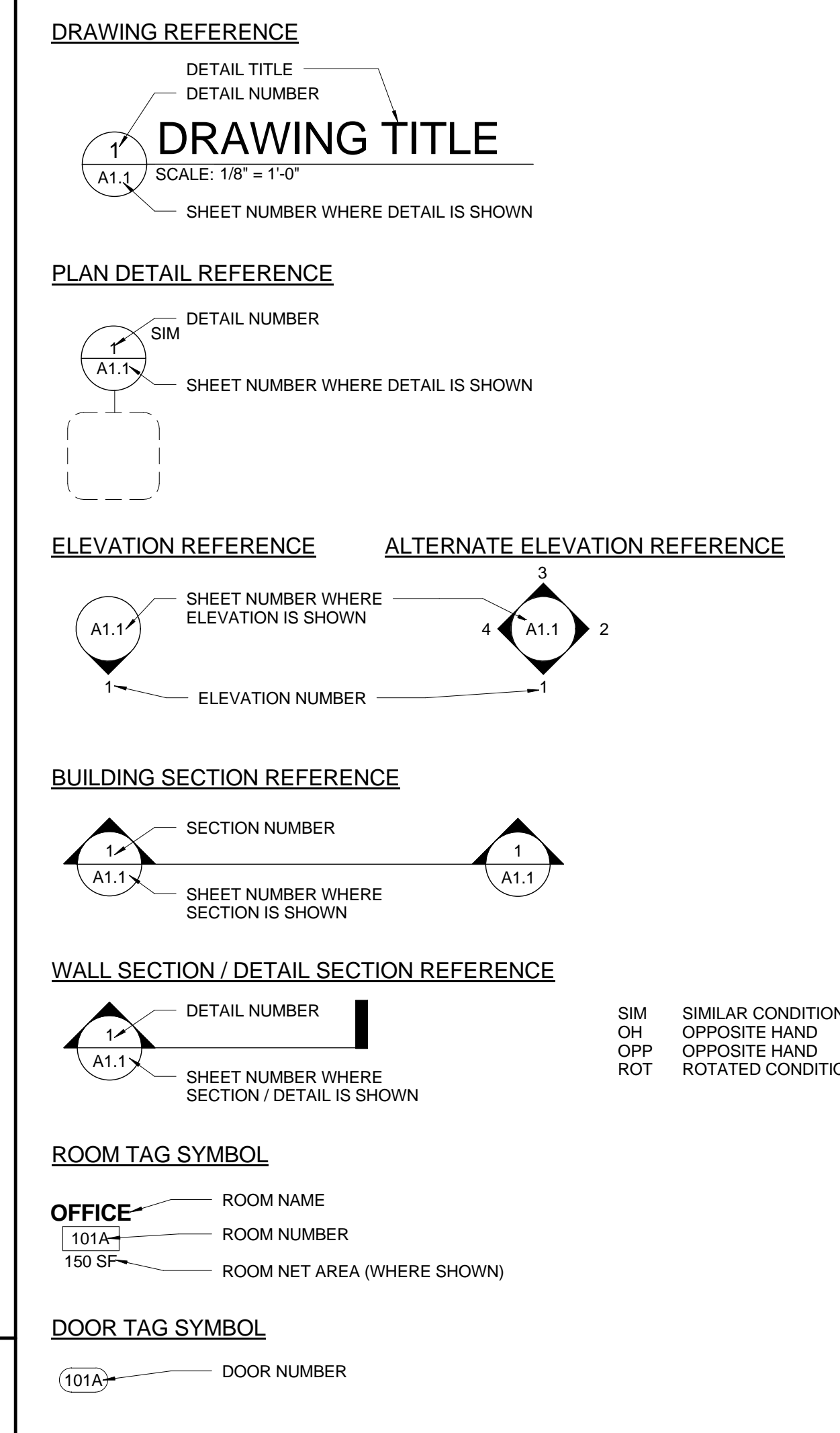
BUILDING CODE INFORMATION:

1. OCCUPANCY (PER IBC CHAPTER 3)
 - A. OCCUPANCY CLASSIFICATION: **BUSINESS, GROUP B**
2. TYPE OF CONSTRUCTION (PER IBC CHAPTER 6)
 - A. CONSTRUCTION CLASSIFICATION: **TYPE I-B**
 - B. IS THE BUILDING CONSTRUCTION PROTECTED OR UNPROTECTED? **UNPROTECTED**
 - C. IS THE BUILDING CONSTRUCTION OF COMBUSTIBLE OR NONCOMBUSTIBLE MATERIALS? **NONCOMBUSTIBLE**
 - D. IS THE BUILDING PROVIDED WITH A FIRE PROTECTION SPRINKLER SYSTEM? **NO**
3. OCCUPANT LOAD FOR AREAS OF RENOVATION SHOWN ON LIFE SAFETY DRAWING

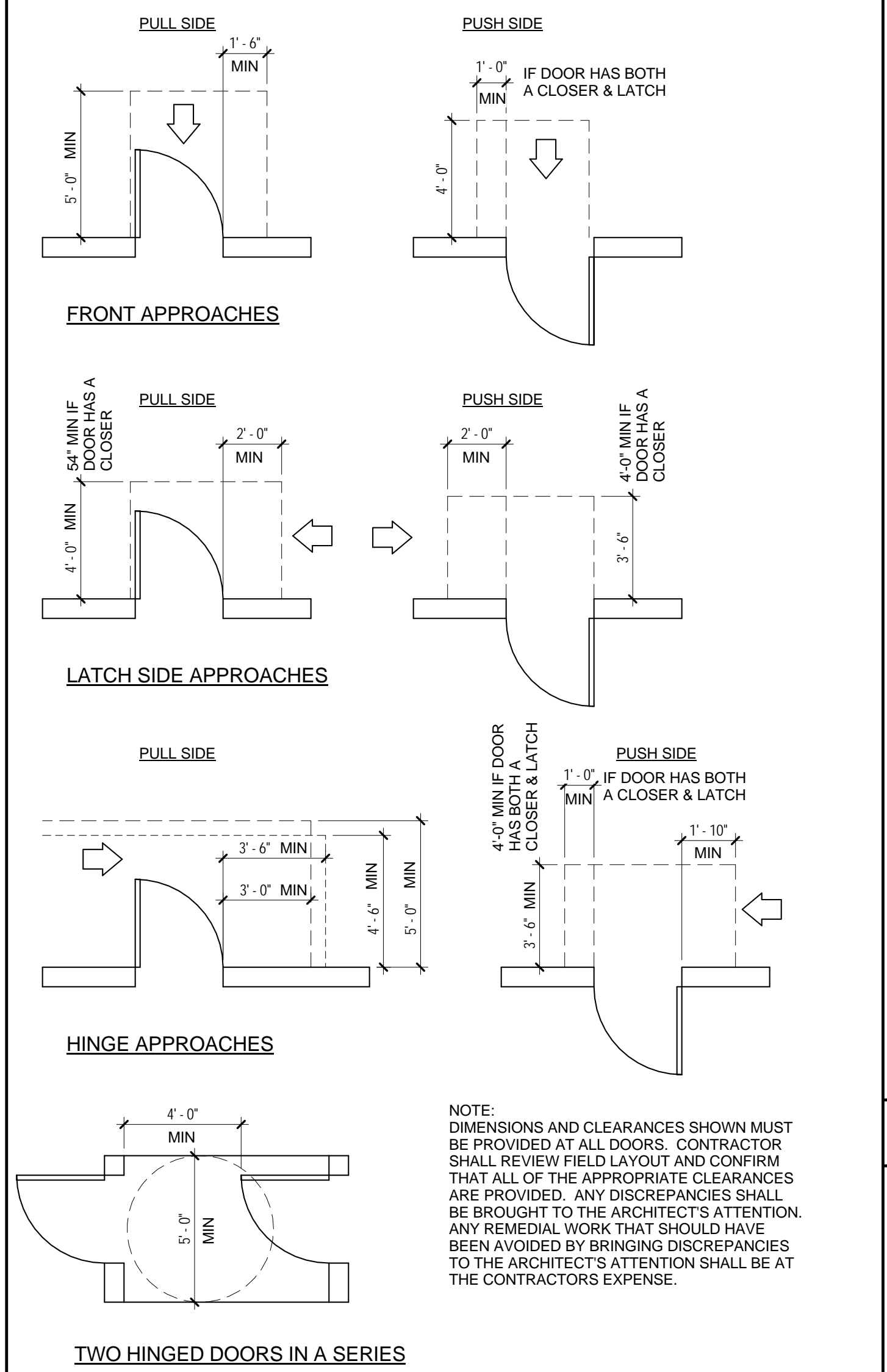
LIFE SAFETY LEGEND



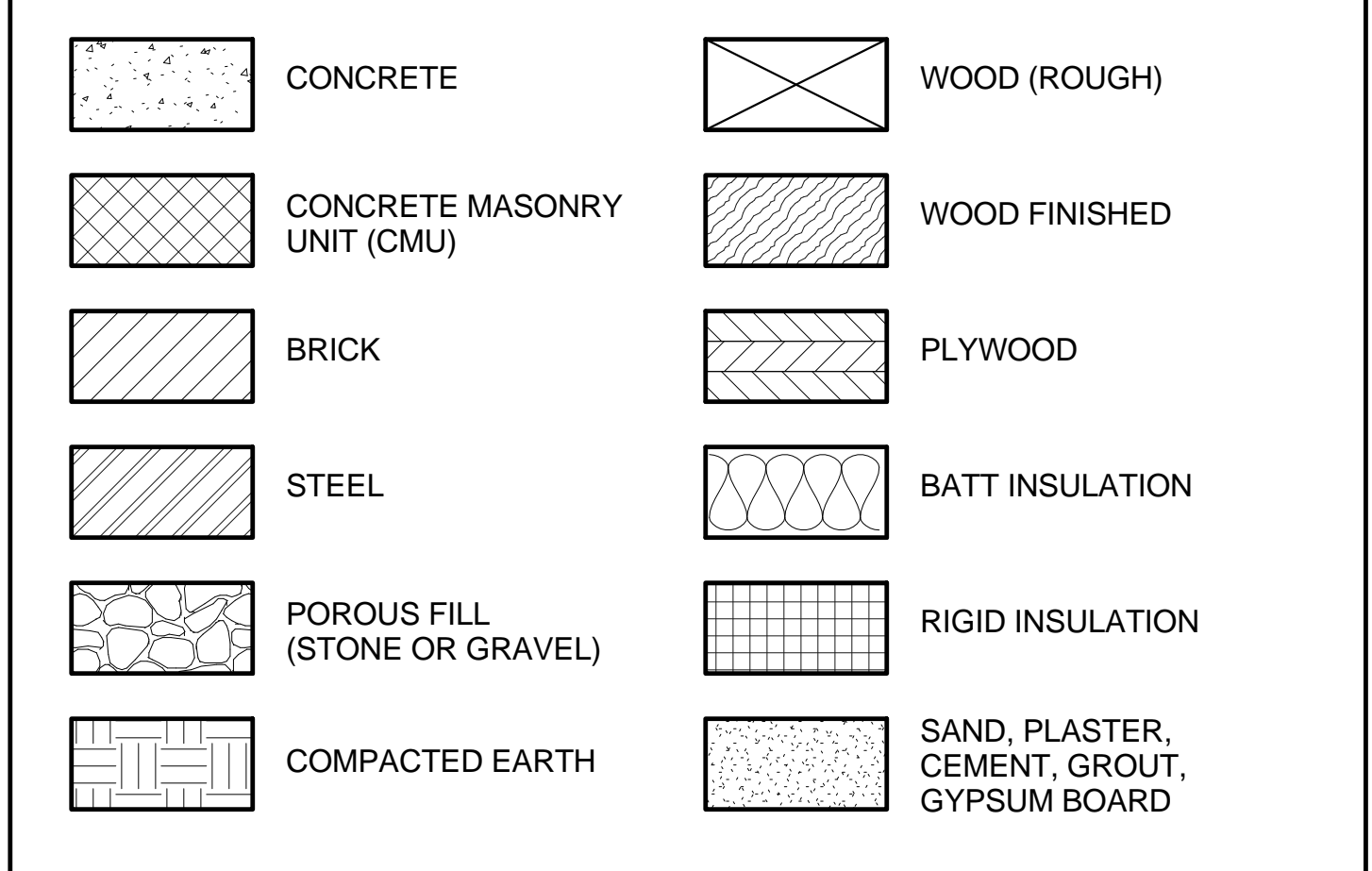
SYMBOLS



ANSI A117.1 MANEUVERING CLEARANCES



MATERIALS LEGEND



ABBREVIATIONS

AFF ABOVE FINISH FLOOR	MAX MAXIMUM
ALUM ALUMINUM	MECH MECHANICAL
ARCH ARCHITECTURAL	MFR MANUFACTURER
BLKG BLOCKING	MIN MINIMUM
BU BUILT-UP ROOF	MO MASONRY OPENING
CL CENTERLINE	NIC NOT IN CONTRACT
CJ CONTROL JOINT	NOM NOMINAL
CLG CEILING	NTS NOT TO SCALE
CTR CENTER	OC ON CENTER
CONC CONCRETE	OD OUTSIDE DIAMETER
CMU CONCRETE MASONRY UNIT	OH OPPOSITE HAND
CONT CONTINUOUS	ORD OVERFLOW ROOF DRAIN
DIA DIAMETER	OS OVERFLOW SCUPPER
DS DOWN SPOUT	P PAINT
DWG DRAWING	PL PLATE, PROPERTY LINE
EXT EXTERIOR	PR PAIR
EXIST EXISTING	PT PRESSURE TREATED
EA EACH	REQD REQUIRED
EA EXPANSION JOINT	RF ROOF DRAIN
ELEC ELECTRICAL	RO ROUGH OPENING
EL ELEVATION	SF SQUARE FEET
ELEV ELEVATOR	SM SIMILAR
EQUIP EQUIPMENT	SPEC SPECIFICATIONS
EWV ELECTRIC WATER COOLER	SS STAINLESS STEEL
FIN FINISH	STD STANDARD
FB FLOOR BOX	STR STRUCTURAL
FD FLOOR DRAIN	SUSP SUSPENDED
FOF FACE OF FINISH	TOS TOP OF STEEL
FOS FACE OF STUD	TOW TOP OF WALL
FR FIRE RETARDANT	TYP TYPICAL
FV FIELD VERIFY	UNO UNLESS NOTED OTHERWISE
GA GAUGE	VERT VERTICAL
GALV GALVANIZED	VCT VINYL COMPOSITION TILE
GYP BD GYPSUM BOARD	WV WITH
HM HOLLOW METAL	WC WATER CLOSET
HORIZ HORIZONTAL	WR WATER RESISTANT
HT HEIGHT	WWF WELDED WIRE FABRIC
HVAC HEATING VENTILATION AIR-CONDITIONING	WOOD WOOD
ID INSIDE DIAMETER	WP WORKING POINT
INSUL INSULATION	VTR VENT THROUGH ROOF
JT JOINT	
LAV LAVATORY	



UNIVERSITY OF SOUTH CAROLINA

RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION

ARCHITECT'S PROJECT NUMBER 14.150.00
 STATE PROJECT NUMBER H27-Z145
 MAY 29, 2014

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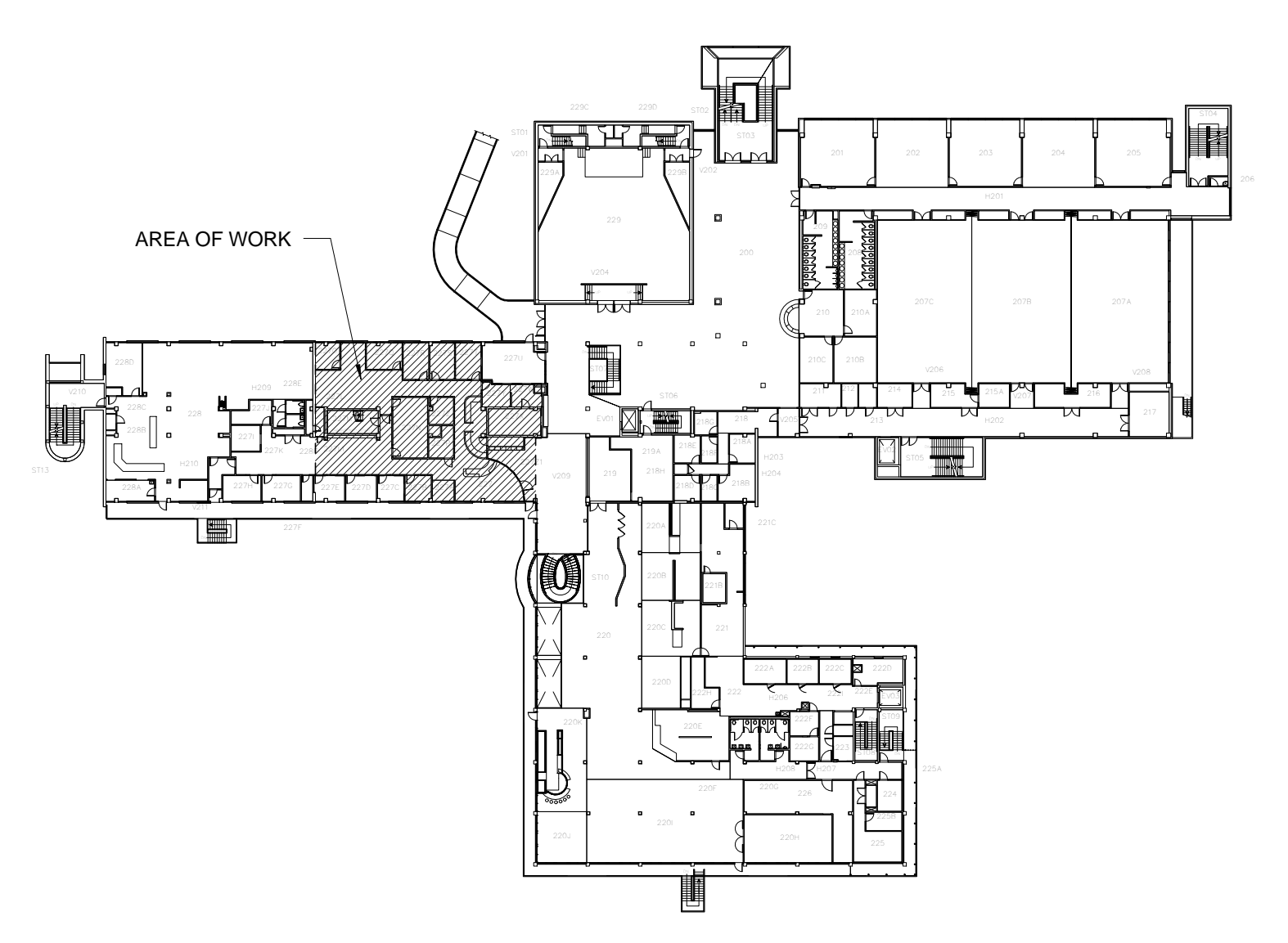
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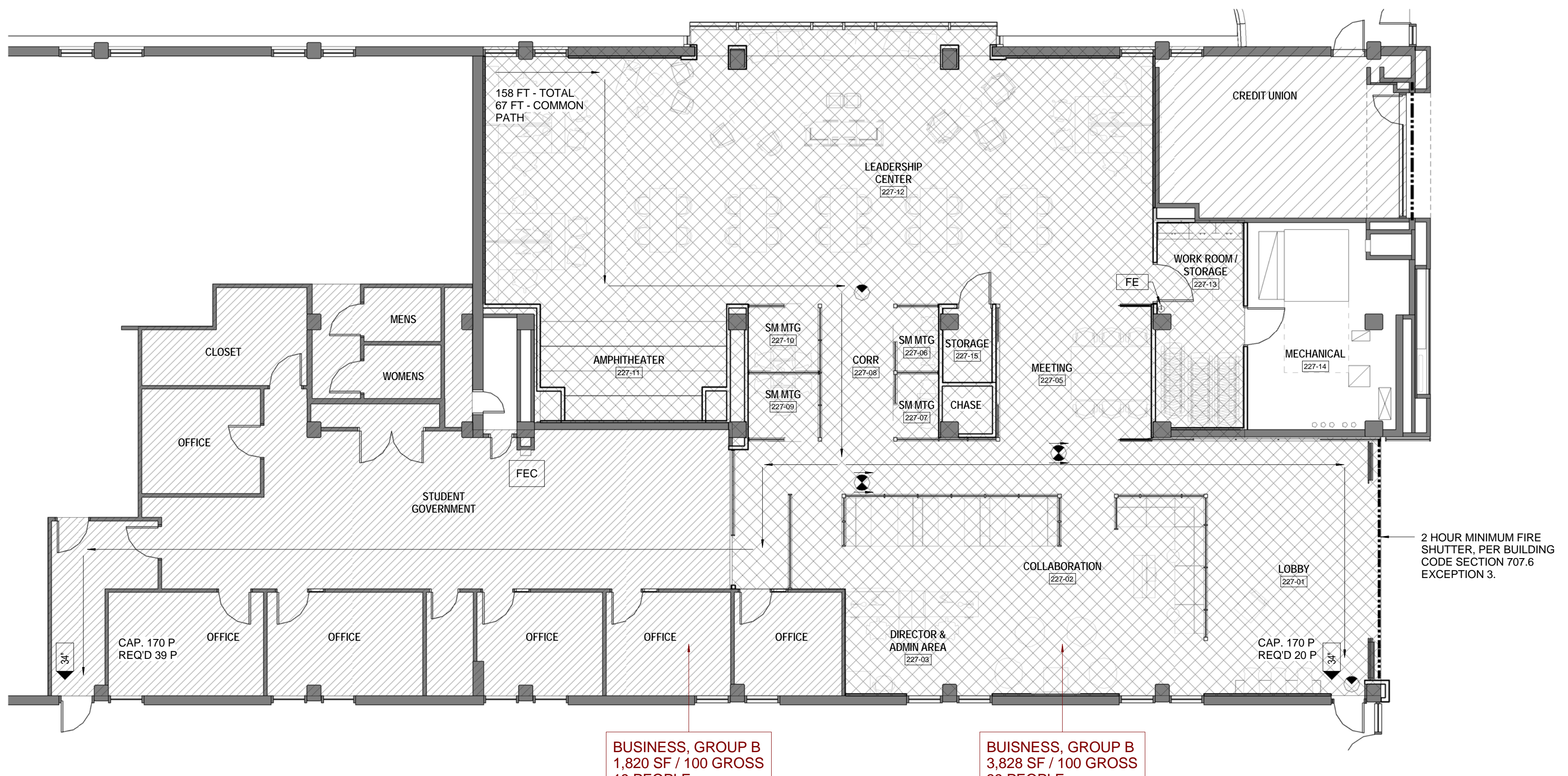
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2ND FLOOR - KEY PLAN



LIFE SAFETY - FLOOR PLAN
 SCALE: 1/8" = 1'-0"

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 COVER SHEET, INDEX OF DRAWINGS, CODE ANALYSIS
 05/29/14
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 DATE
 SHEET NO
T1.1

GENERAL DEMOLITION NOTES:

- DA. EXISTING CONDITIONS ILLUSTRATED AS OF MAY 2014.
- DB. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH EXISTING CONDITIONS FOR SIZES, QUANTITIES, AND LOCATIONS.
- DC. ALL EXISTING ITEMS TO REMAIN SHALL BE PROTECTED DURING DEMOLITION AND NEW CONSTRUCTION.
- DD. 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 TEXTURE. PREPARE WALL TO RECEIVE NEW FINISHES.
- DE. IN AREAS OF WORK REMOVE ALL SIGNAGE, MARKER BOARDS, TACK BOARDS, ETC. IN THEIR ENTIRETY AND RETURN TO OWNER. PATCH WALL AND PREPARE WALL TO RECEIVE NEW FINISH.
- DF. ALL FURNITURE AND LOOSE ITEMS (ARTWORK, FRAMED PICTURES, ETC.) WILL BE REMOVED BY OWNER.
- DG. REMOVE ALL EXISTING WALL STOPS WHERE DOORS ARE REMOVED, PATCH WALLS TO RECEIVE NEW FINISH AS SCHEDULED.
- DH. PATCH ALL WALLS WHERE BUILT-IN ITEMS ARE TO BE REMOVED.
- DI. IN AREAS OUTSIDE OF NEW SCHEDULED FINISHES, REMOVE GYPSUM BOARD AS REQUIRED ON EXISTING WALLS FOR INSTALLATION OF NEW THERMOSTATS, SWITCHES, OR OUTLETS. PATCH GYPSUM BOARD FLUSH, FINISH AND PAINT TO MATCH ADJACENT WALL.
- DJ. NO WORK OR STORAGE OF MATERIALS SHALL OCCUR IN EXISTING MAIN LOBBY. MAIN LOBBY SHALL BE KEPT CLEAN AND CLEAR OF ALL DEBRIS.
- DK. ALL EXISTING LIGHT FIXTURES, DIFFUSERS, ETC. SHALL BE REMOVED. SALVAGE 2X4 PARABOLIC FIXTURES AND RETURN TO OWNER, SEE ELEC.
- DL. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF CONCRETE RAMP SURFACE (NE CORNER OF SPACE) DURING MATERIAL REMOVAL.
- DM. SEE ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION AND STRUCTURAL DRAWINGS FOR ADDITIONAL DEMOLITION WORK.
- DN. TERRAZZO FLOORING: SAW CUT EXISTING TERRAZZO FLUSH AND STRAIGHT FOR INSTALLATION OF NEW TRANSITION. EXISTING TERRAZZO TO REMAIN SHALL BE PROTECTED, ANY RESULTING DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE PORTION OF TERRAZZO TO BE REMOVED IS INSTALLED OVER AN EPOXY MEMBRANE LAYER AND CERAMIC TILE. CONTRACTOR SHALL REMOVE FLOORING IN TEST AREAS TO DETERMINE BEST METHOD OF REMOVAL TO ACHIEVE EQUAL HEIGHT WITH ADJACENT FLOOR (TO RECEIVE CERAMIC TILE). LEVELING AGENTS MAY BE REQUIRED.
- DO. EXISTING FIRE PROTECTION, DUCTWORK, ELECTRICAL AND PLUMBING DEMOLITION AND REWORK SERVING ADJACENT AREAS OUTSIDE PRIMARY RENOVATION AREA (INCLUDING OTHER FLOORS) SHALL BE SCHEDULED IN ADVANCE WITH OWNER TO MINIMIZE DISRUPTION. IT IS PREFERRED THIS WORK OCCUR DURING THE SUMMER (INCLUDING NEW RECONNECTION TO MAKE SYSTEM FULLY FUNCTIONAL). WORK MAY BE REQUIRED IN EVENINGS, NIGHTS OR WEEKENDS. WORK MAY BE REQUIRED TO BE DONE IN PHASES TO MAINTAIN OPERATIONS OF ADJACENT SPACES. TEMPORARY SYSTEMS MAY BE REQUIRED TO MAINTAIN OPERATIONS OF ADJACENT SPACES.
- DP. REMOVE ALL EXISTING EGRESS MAPS AND RETURN TO OWNER.

DEMOLITION NOTES TO SHEET

WALLS & DOORS / FRAMES

- (D1) EXISTING WALL TO REMAIN, EXISTING WALL COVERING AND WOOD TRIM (8" AFF) AND ASSOCIATED ADHESIVES AND RESIDUE TO BE REMOVED IN THEIR ENTIRETY. PREPARE WALL TO RECEIVE NEW FINISH.
- (D2) EXISTING DOOR AND FRAME TO BE REMOVED IN THEIR ENTIRETY (INCLUDING ALL ASSOCIATED HARDWARE). TURN LOCKSET OVER TO OWNER.
- (D3) NOT USED
- (D4) REMOVE EXISTING STOREFRONT DOOR, ASSOCIATED HARDWARE AND 1" SUB-FRAME. SEE PLAN DETAIL AND DOOR TYPES FOR ADDITIONAL INFORMATION. DO NOT REMOVE DOOR UNTIL NEW REPLACEMENT DOOR IS READY FOR INSTALLATION.
- (D5) REMOVE EXISTING METAL STUD AND PIPE CHASE AT EXISTING ROOF DRAIN PIPE TO BE REMOVED, SEE PLUMBING FOR PIPE REROUTING.

FLOORING

- (F1) AREA OF CARPET PREVIOUSLY REMOVED BY OWNER. REMOVE ALL ASSOCIATED MASTIC AND RESIDUE IN THEIR ENTIRETY. REMOVE ALL REMAINING WALL BASE (WOOD OR VINYL). PREPARE SURFACES AS REQ'D TO RECEIVE NEW FLOORING AS SCHEDULED.
- (F2) AREA OF VCT PREVIOUSLY REMOVED. REMOVE ALL ASSOCIATED ADHESIVES AND RESIDUE IN THEIR ENTIRETY. REMOVE ASSOCIATED VINYL WALL BASE & MASTIC. PREPARE SURFACES TO RECEIVE NEW FLOORING AS SCHEDULED.
- (F3) REMOVE STEEL AND MTL DECKING FLOOR IN ITS ENTIRETY WHERE EXISTING STAIR IS REMOVED. SEE STRUCTURAL DRAWINGS FOR NEW CONCRETE FLOOR SYSTEM.
- (F4) REMOVE EXISTING TERRAZZO FLOORING TO BOUNDARY AS SHOWN ON PLAN. THE EXTENT OF TERRAZZO TO BE REMOVED ADJACENT TO THE MAIN LOBBY SHALL ALIGN WITH INSIDE JAMB OF NEW COILING DOOR. SEE PLAN DETAILS. SAW CUT EXISTING TERRAZZO WITH DIAMOND BLADE FLUSH AND STRAIGHT FOR INSTALLATION OF NEW TRANSITION. EXISTING TERRAZZO TO REMAIN SHALL BE PROTECTED, ANY RESULTING DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE PORTION OF TERRAZZO TO BE REMOVED IS INSTALLED OVER AN EPOXY MEMBRANE LAYER AND CERAMIC TILE.
- (F5) REMOVE EXISTING TERRAZZO BASE AND SALVAGE TO BE USED AT EXISTING CONCRETE COLUMN AT OPPOSITE END TO BE FURRED WITH METAL STUDS & GYP.

MISCELLANEOUS (EQUIPMENT, STAIRS, MAILBOXES, SHELVING, ETC.)

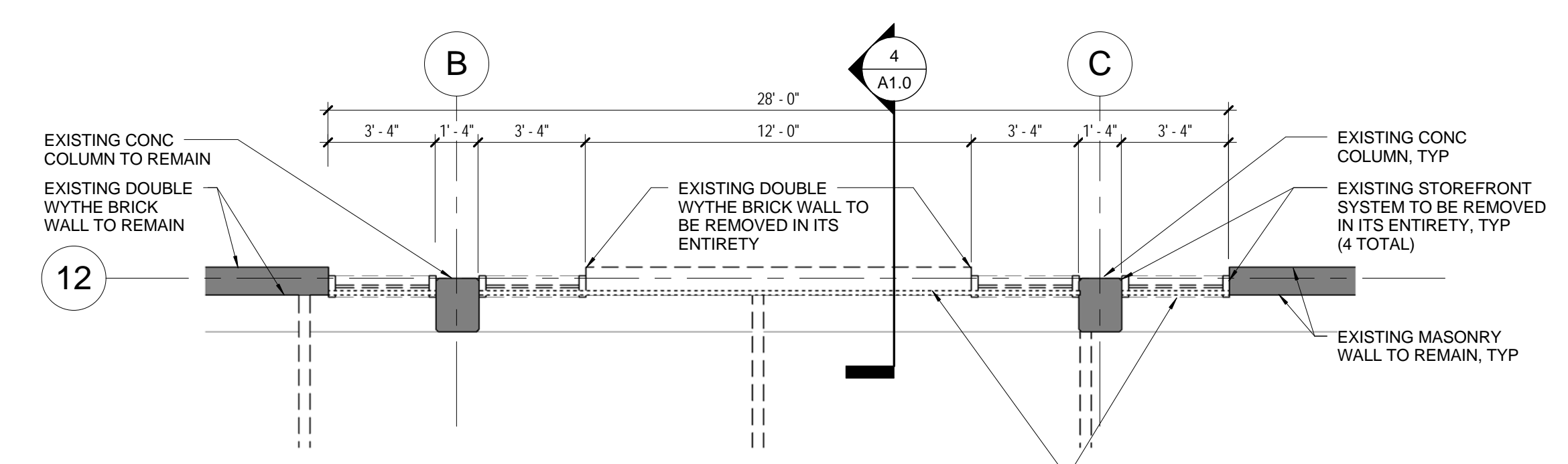
- (M1) NOT USED.
- (M2) EXISTING WOOD BASE & WOOD TRIM TO BE REMOVED IN ITS ENTIRETY. REMOVE ANY PROTRUDING OBJECTS / EQUIPMENT REMAINS THAT INTERFERE WITH NEW STUD FURRING INSTALLATION.
- (M3) REMOVE ALL CASEWORK, COUNTERTOPS AND FIXED EQUIPMENT INCLUDING FRIDGE, MICROWAVE AND MAILBOXES RETURN EQUIPMENT TO OWNER.
- (M4) REMOVE EXISTING FIRE EXTINGUISHER AND CABINET. RETURN CABINET TO OWNER. INSTALL EXISTING FE IN NEW (WALL MOUNTED) LOCATION.
- (M5) EXISTING STAINLESS STEEL CORNER GUARDS TO BE REMOVED; SAVE AND PROTECT FOR REINSTALLATION; REFER TO FINISH PLAN FOR NEW LOCATIONS.
- (M6) EXISTING DUCTWORK TO BE REMOVED AND REROUTED, SEE MECHANICAL.
- (M7) EXISTING FIRE PROTECTION STANDPIPE TO BE REMOVED AND REROUTED, SEE FIRE PROTECTION.
- (M8) EXISTING CONCRETE STAIR TO BE REMOVED IN ITS ENTIRETY FROM SECOND FLOOR LEVEL TO THIRD FLOOR LEVEL (INCLUDING INTERMEDIATE LANDING AND ALL ASSOCIATED SUPPORTS). COORDINATE REQUIRED DEMO OF STAIR WITH INSTALLATION OF NEW CONCRETE FLOOR SLAB. SEE STRUCTURAL DRAWINGS FOR INFORMATION ON NEW SLAB.
- (M9) REMOVE WALL METAL STUD AND GYPSUM FURRING AT EXISTING CONCRETE COLUMNS.
- (M10) NEW TEMPORARY CONSTRUCTION PARTITION: 2X4 WOOD STUDS @ 16" O.C. W/ ONE LAYER OF 5/8" GYPSUM WALLBOARD APPLIED TO ONE SIDE (STUDENT GOV). ALL WALL ATTACHMENT METHODS SHALL BE REVIEWED WITH ARCHITECT AND OWNER ON SITE PRIOR TO INSTALLATION. INSTALL PORTION OF WALL TO FUNCTION AS 4(W) X 8(H) DOOR.

CEILING

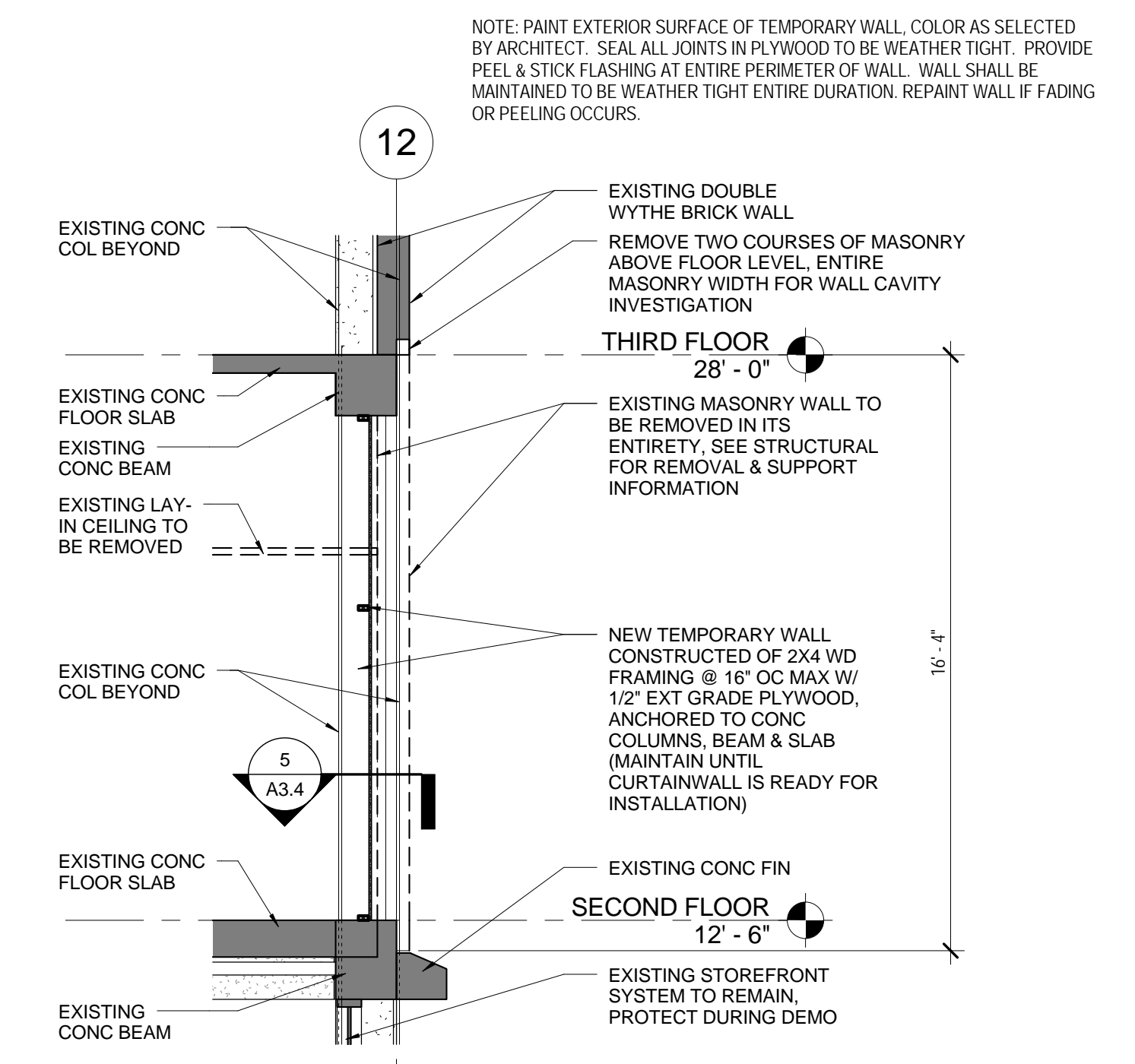
- (C1) REMOVE EXISTING GYPSUM BOARD & METAL STUD SOFFIT THIS AREA
- (C2) EXISTING ACOUSTICAL CEILING TILES AND GRID TO BE REMOVED IN ITS ENTIRETY, INCLUDING ALL ASSOCIATED SUPPORT WIRES. PORTIONS OF THE CEILING SHALL BE REMOVED PRIOR TO THIS PROJECT. REVIEW OF THE SPACE WILL BE MADE AVAILABLE DURING THE PRE-BID CONFERENCE.
- (C3) EXISTING ACOUSTICAL CEILING TILES AND GRID TO BE REMOVED IN ITS ENTIRETY. VERIFY EXACT LOCATION TO BE REMOVED TO ALIGN WITH NEW CONSTRUCTION OF GYP SOFFIT. CUT GRID AND TILE AS REQUIRED FOR NEW WALL MOLD TO BE INSTALLED, SALVAGE EXISTING TILES TO BE REUSED.
- (C4) CEILING REMOVED PRIOR TO THIS PROJECT DURING HVAC INSTALLATION. REMOVE ALL ABANDONED EQUIPMENT / MATERIALS IN PLENUM THAT REMAIN.

GENERAL WINDOW DEMOLITION NOTES:

- A) REMOVAL OF EXTERIOR WALL (MASONRY AND STOREFRONT) SHALL OCCUR AS EARLY AS POSSIBLE AFTER NOTICE TO PROCEED IS AWARDED. DEMOLITION AND TEMPORARY WALL SHALL BE COMPLETED BEFORE 8/10/2014. PLYWOOD TEMPORARY CONSTRUCTION WALL TO BE CONSTRUCTED IMMEDIATELY AFTER DEMO IS COMPLETE.
- B) SEE STRUCTURAL DRAWINGS FOR STEEL SUPPORTS TO BE INSTALLED DURING BRICK REMOVAL.
- C) TEMPORARY CONSTRUCTION WALL SHALL BE MAINTAINED AND KEPT IN PLACE UNTIL CURTAINWALL IS ON SITE AND READY FOR INSTALLATION.
- D) ALL NEW CONSTRUCTION WORK AT WINDOW INCLUDING CONCRETE SLAB, STEEL FOR ROOF SUPPORT, ROOFING AND CURTAINWALL SHALL BE SCHEDULED TO OCCUR IN AS SHORT OF TIME FRAME AS POSSIBLE. SCHEDULING OF THIS WORK SHALL BE COORDINATED WITH ARCHITECT AND OWNER FOR APPROVAL.
- E) EXISTING BRICK PAVERS SHALL BE PROTECTED DURING DEMOLITION AND NEW CONSTRUCTION. ANY RESULTING DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. OWNER SHALL REMOVE ALL EXTERIOR FURNITURE FROM WORK ZONE.

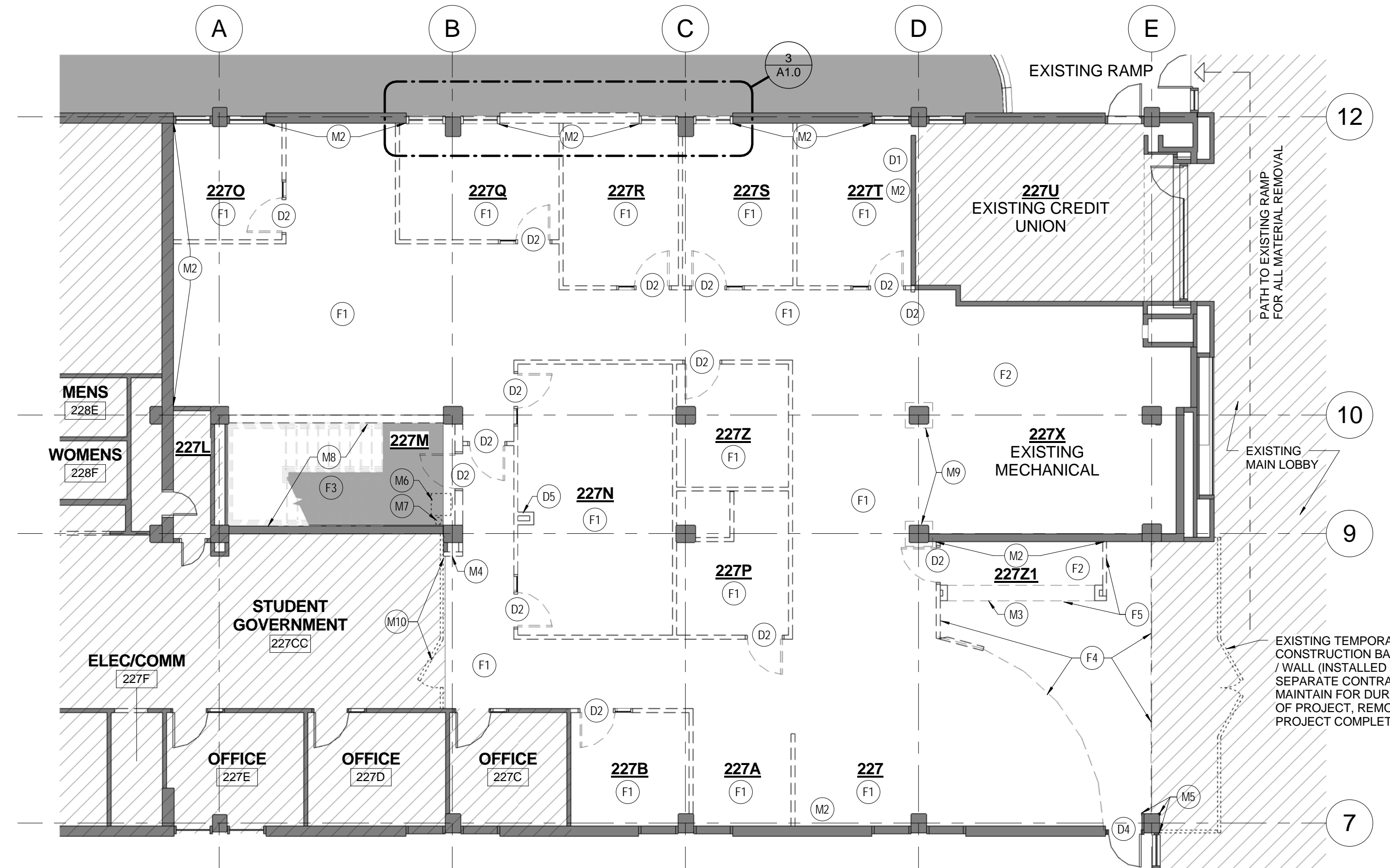
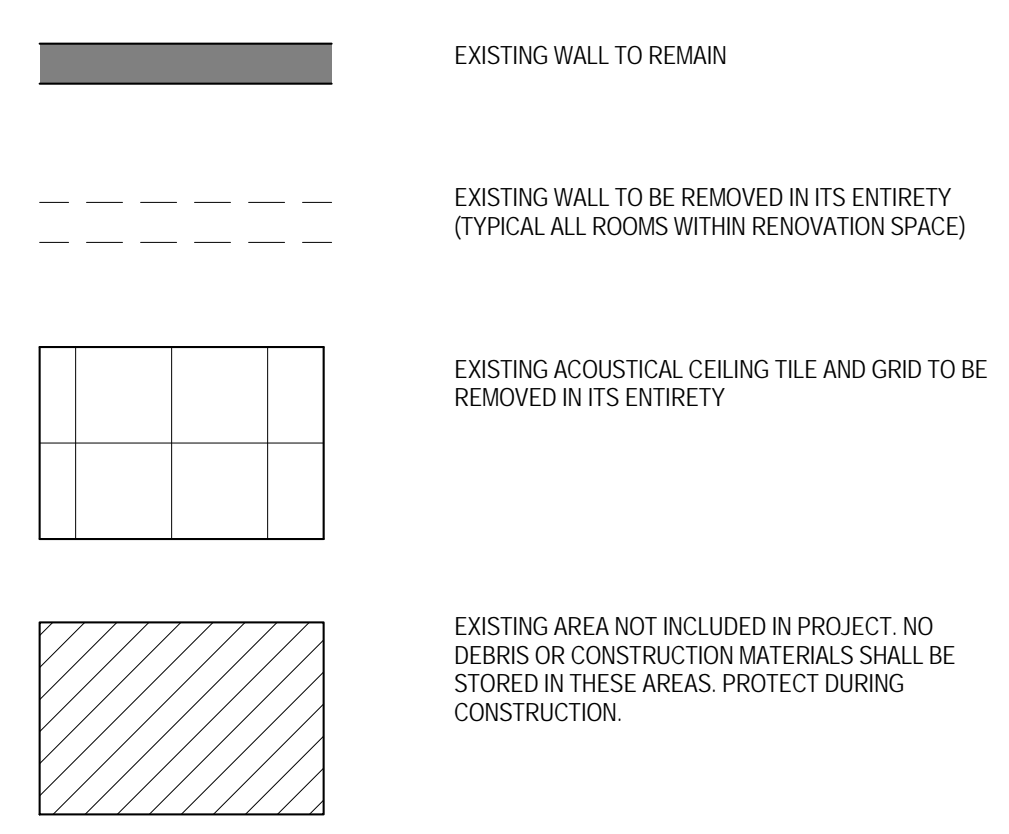


3 BAY WINDOW DEMO PLAN
SCALE: 1/4" = 1'-0"

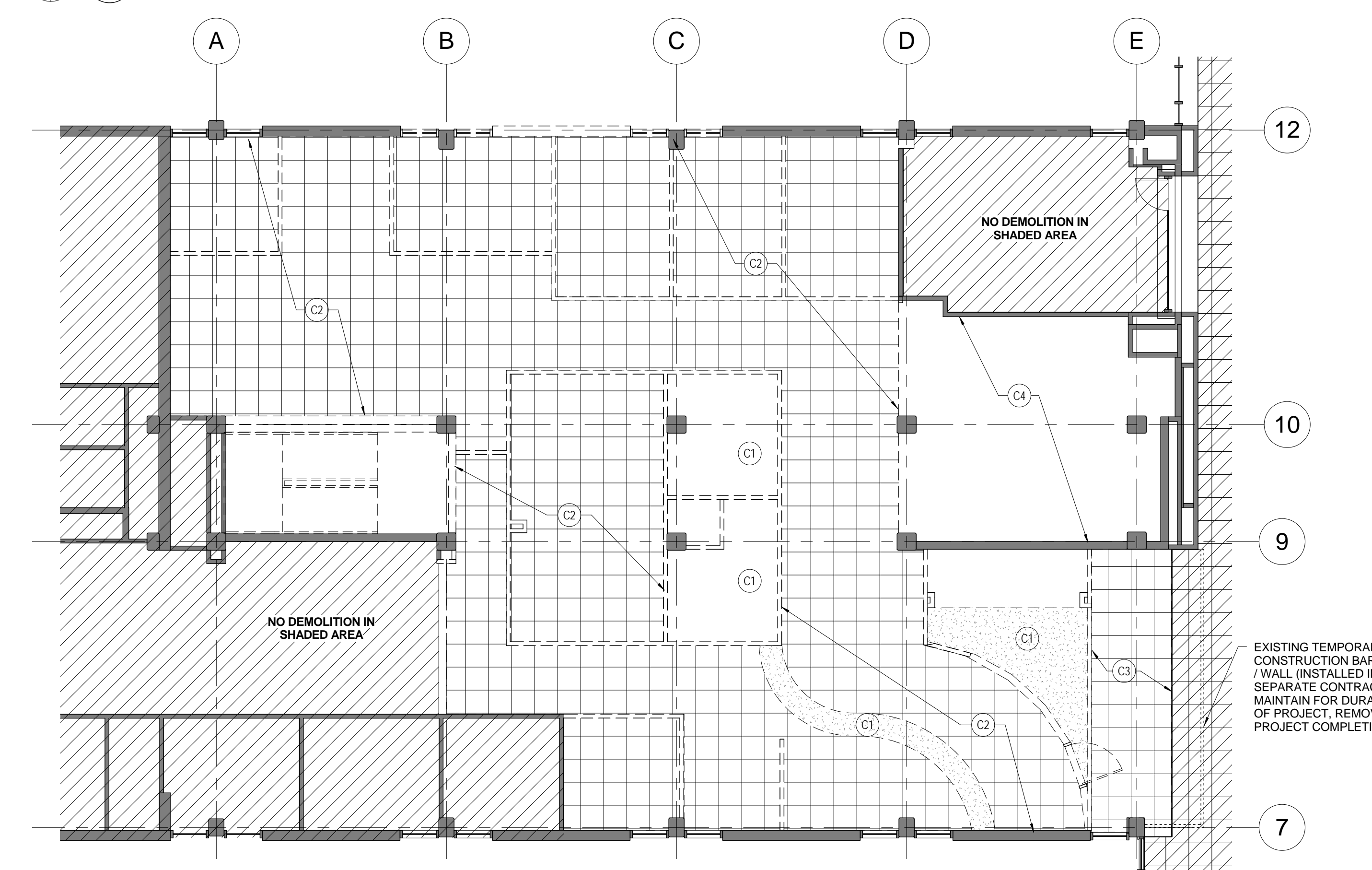


4 BAY WINDOW DEMO SECTION
SCALE: 1/4" = 1'-0"

DEMOLITION LEGEND:

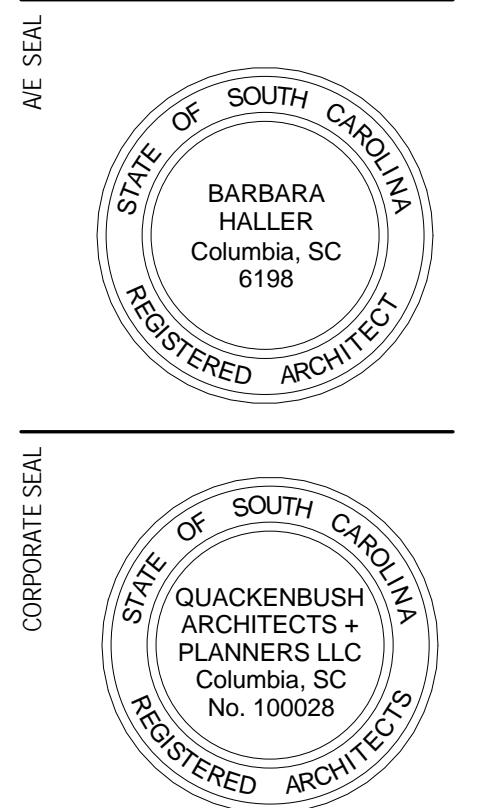


1 DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



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

NOTE: PAINT EXTERIOR SURFACE OF TEMPORARY WALL. COLOR AS SELECTED BY ARCHITECT. SEAL ALL JOINTS IN PLYWOOD TO BE WEATHER TIGHT. PROVIDE PEEL & STICK FLASHING AT ENTIRE PERIMETER OF WALL. WALL SHALL BE MAINTAINED TO BE WEATHER TIGHT ENTIRE DURATION. REPAIR WALL IF FADING OR PEELING OCCURS.



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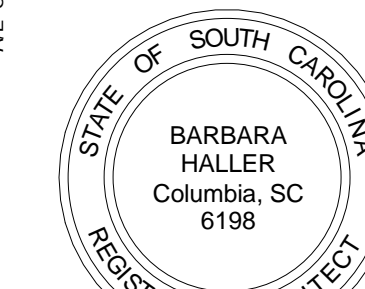
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PROJECT NO.: 14.150.00
STATE PROJECT NO.: 427-2145

REVISION: DATE

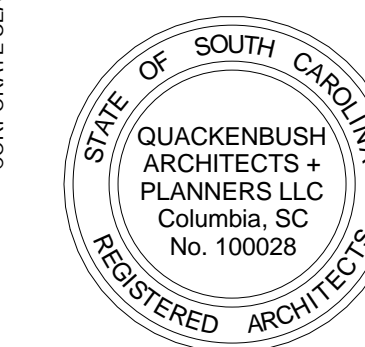
TITLE: DEMOLITION PLANS

SHEET NO: A1.0

ARCHITECT SEAL



CORPORATE SEAL



PROJECT TITLE

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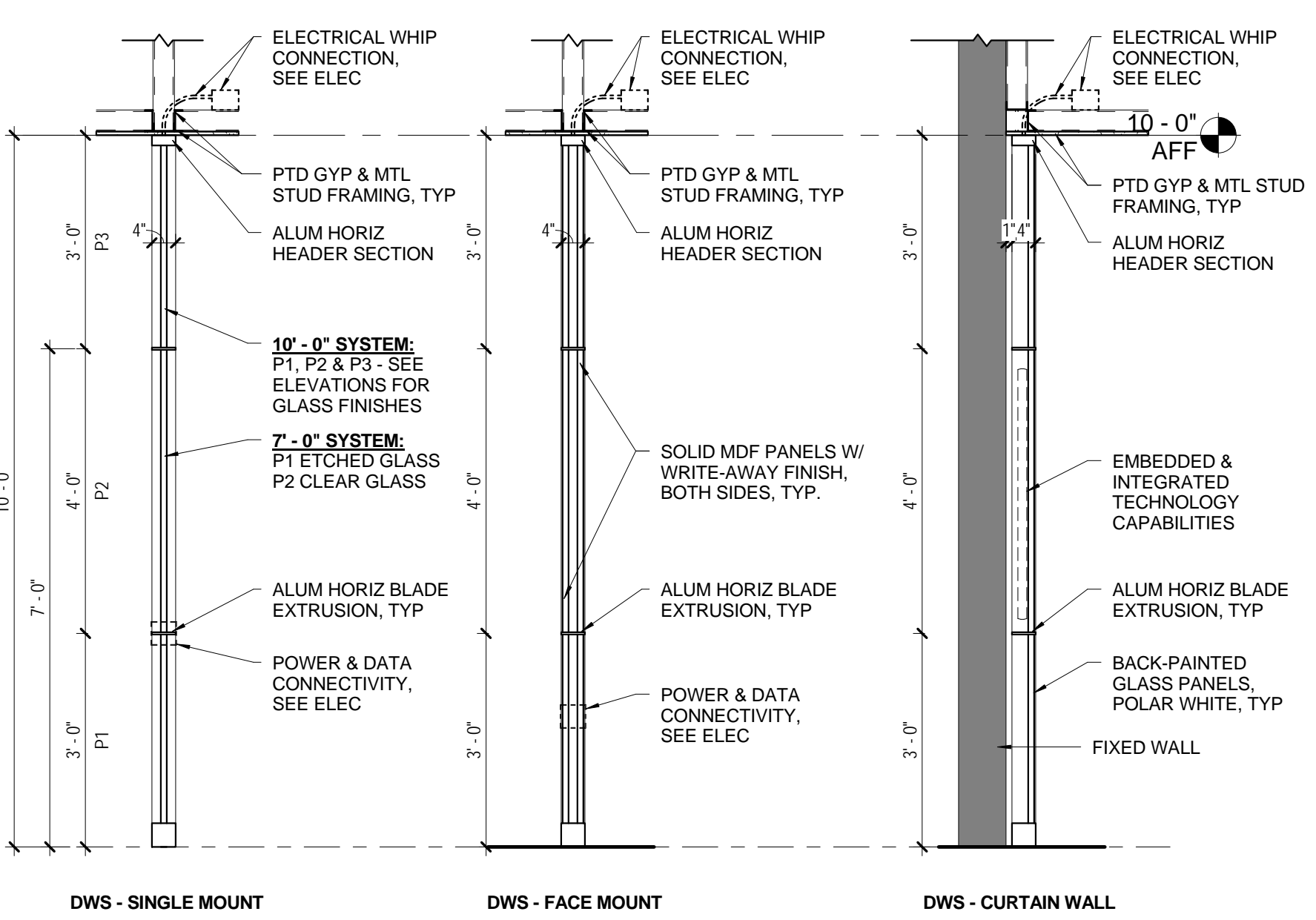
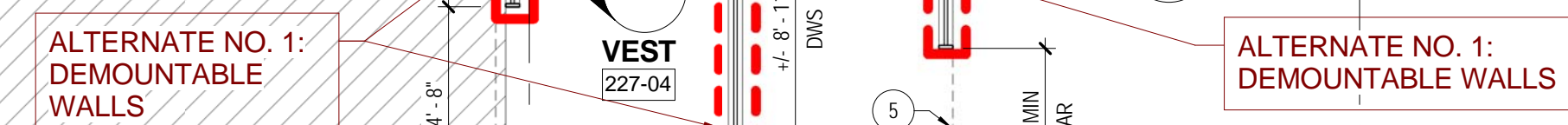
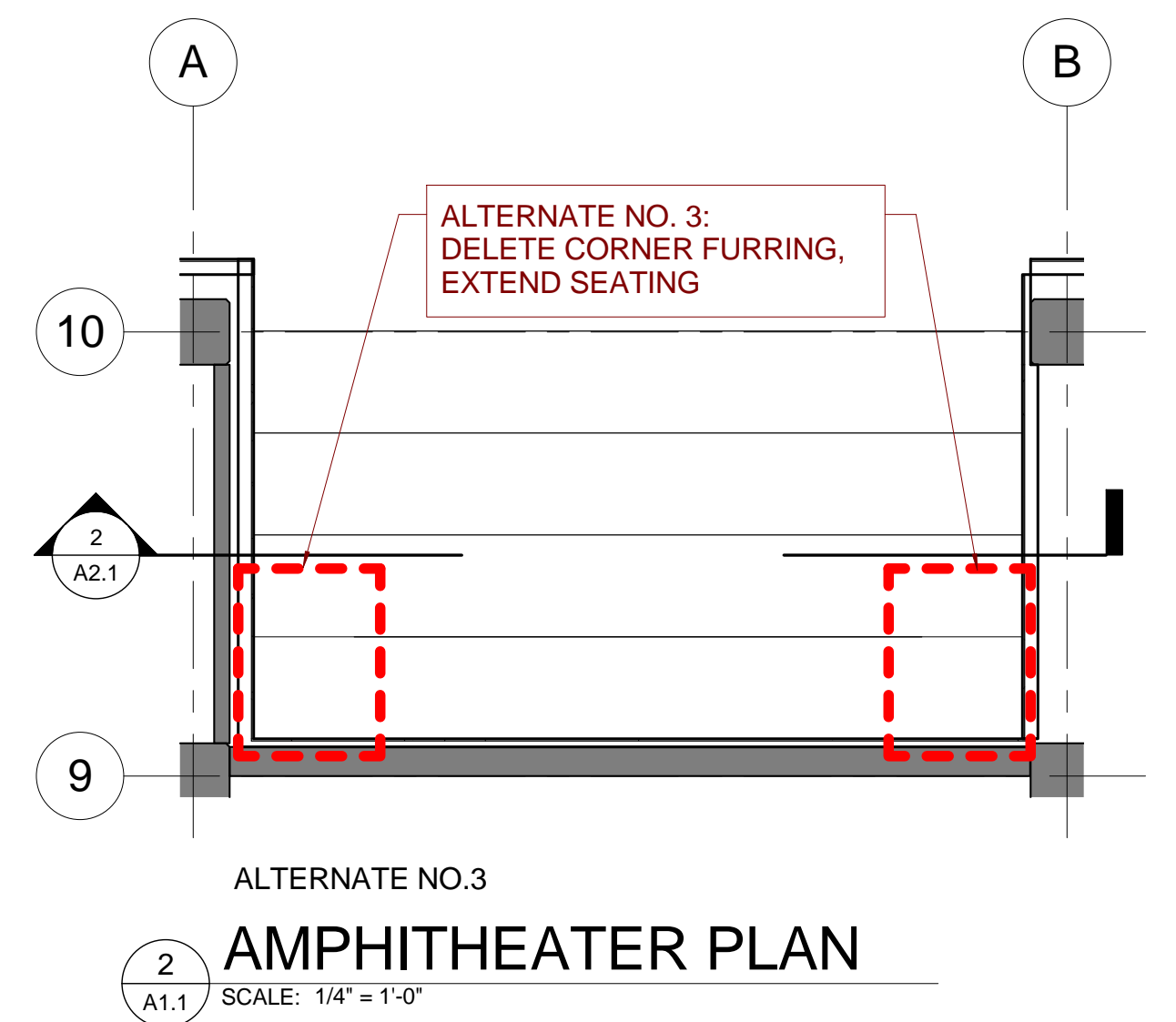
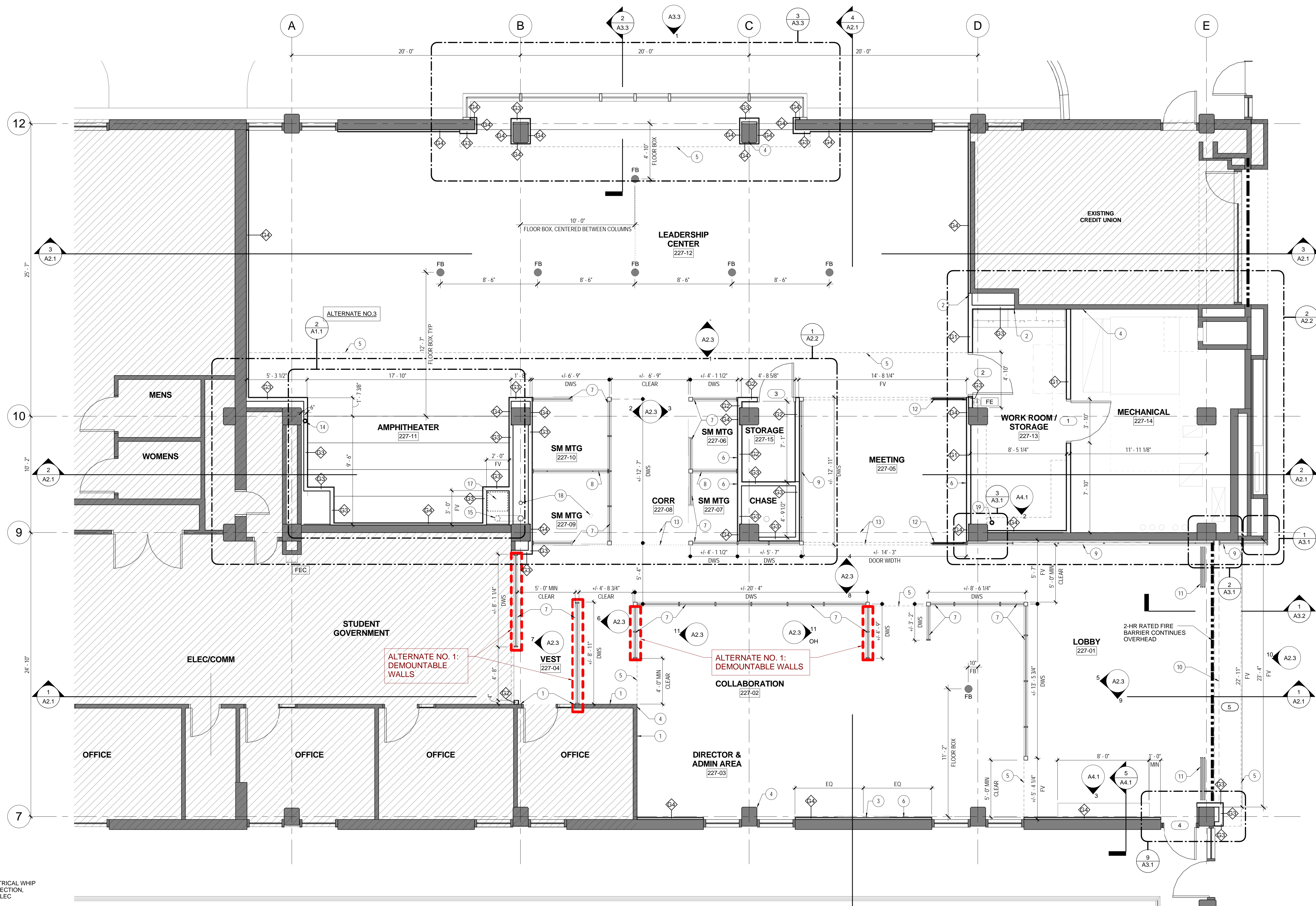
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REVISION DATE

TITLE
FLOOR PLAN

SHEET NO.

A1.1



DEMOUNTABLE WALL SYSTEM (DWS) TYPES
SCALE: 1/2" = 1'-0"

DWS GENERAL NOTES

- A) STUD KICKERS REQUIRED @ EVERY PANEL, DOOR OR 4'-0" O.C. MAX., TYP
- B) ALUM HORIZONTAL BLADE PROFILE W/ SEISMIC BASE TRACK USING SEISMIC FASTENER AND LEVELING VARIANCE OF 1-3/4" MIN. W/ PVC GERRY BASE, TYP
- C) PROVIDE ADDITIONAL METAL STUDS AND FRAMING AS REQUIRED BY DEMOUNTABLE WALL PARTITION MANUFACTURER DELEGATED DESIGN FOR ATTACHMENT TO CEILING.

FLOOR PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

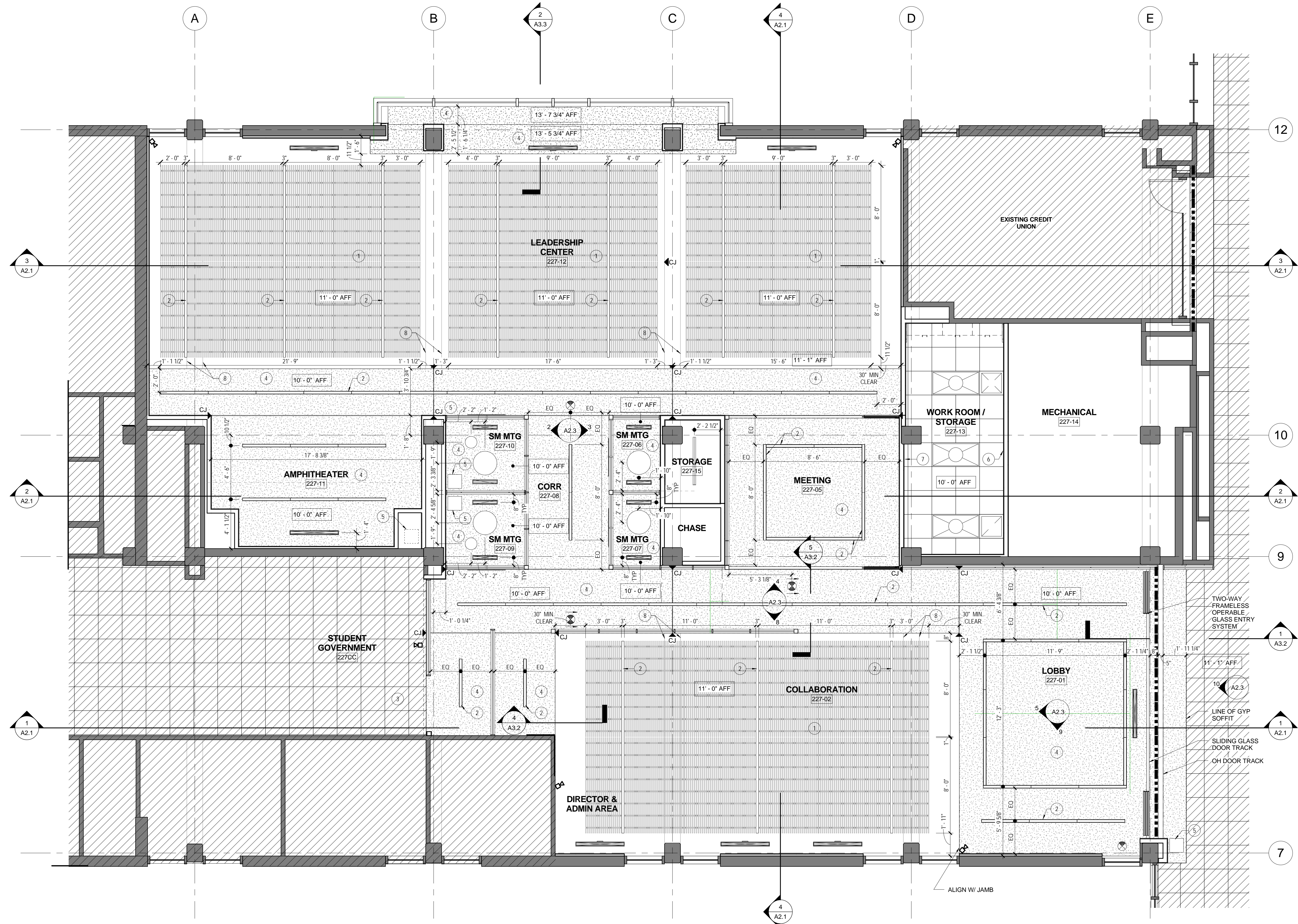
- A. ALL PARTITION CONSTRUCTION SHALL BE AS REFERENCED IN THE PARTITION LEGEND.
- B. PROVIDE UL APPROVED PENETRATION SYSTEM AT RATED WALL PENETRATIONS.
- C. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF EXISTING WALL FINISH, EXISTING COLUMN LINE OR CENTER LINE OF DEMOUNTABLE WALL SYSTEM (DWS), UNLESS NOTED OTHERWISE.
- D. ALL FASTENERS AND ATTACHMENTS SHALL BE FULLY CONCEALED FROM VIEW.
- E. ALL GYPSUM BOARD CONSTRUCTION SHALL BE SMOOTH AND FREE FROM ABRASIONS, TOOL MARKS, ETC. ON ALL EXPOSED SURFACES. ALL EXPOSED GYPSUM BOARD TO HAVE LEVEL 4 FINISH.
- F. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS. NOTIFY DESIGN TEAM OF ANY DISCREPANCIES FOUND DURING SITE SURVEY.
- G. CONTRACTOR SHALL COORDINATE ALL WORK WITHIN EXISTING SUITE WITH OWNER.
- H. CONTRACTOR TO CLEAN ENTIRE WORK AREA PRIOR TO BEGINNING WORK. PREPARE ALL SURFACES AS READ TO RECEIVE NEW FINISHES.
- J. PATCH ALL WALLS SMOOTH AND FLUSH WHERE ELEC, LIGHTING, J-BOXES, ETC. ARE REMOVED.
- K. WHERE OVERHEAD CABINETS, SHELVING, COUNTERS, ETC. ARE TO BE INSTALLED, CONCEALED 16 GA METAL BACKING IS TO BE PROVIDED INSIDE THE SUPPORTING PARTITION, UNLESS NOTED OTHERWISE. BACKING AND FASTENERS ARE TO BE PROVIDED TO SUPPORT A MINIMUM OF 80 LBS. PER LINEAR FT. OF SHELVING OR COUNTER.

NOTES TO SHEET

- 1 EXISTING WALL TO REMAIN, CONTRACTOR TO PATCH ALL EXISTING HOLES IN WALLS AND PREPARE SURFACE FOR NEW FINISHES AS SCHEDULED.
- 2 ALIGN ADJACENT WALLS AND FINISH JOINT SMOOTH AND FLUSH. PREPARE WALL TO RECEIVE FINISHES AS SCHEDULED.
- 3 PROVIDE BLOCKING IN WALL @ 3'-6" A.F.F. FOR NEW OFFOI FLAT PANEL SCREEN TV. COORDINATE EXACT LOCATION WITH ARCHITECT AND OWNER.
- 4 PATCH WALL SMOOTH AND FLUSH WHERE PERPENDICULAR WALL WAS REMOVED
- 5 LINE OF GYPSUM CEILING SOFFIT ABOVE
- 6 NOT USED
- 7 DEMOUNTABLE WALL SYSTEM (DWS), SINGLE MOUNT - TRANSPARENT, FROSTED, AND OPAQUE PANELS. SEE SHEET A2.3
- 8 DEMOUNTABLE WALL SYSTEM (DWS), FACE MOUNT - SOLID PANELS
- 9 DEMOUNTABLE WALL SYSTEM (DWS), CURTAIN WALL W/ INTEGRATED TECHNOLOGY - OPAQUE BACK-PAINTED PANELS
- 10 90 MIN. RATED OVERHEAD FIRE COILING DOOR ABOVE SOFFIT, SEE HEAD & PLAN DETAILS.
- 11 SLIDING GLASS ENTRANCE SYSTEM, SHOWN IN OPEN POSITION, SEE HEAD & PLAN DETAILS. FIELD VERIFY TOTAL WIDTH FOR THREE EQUAL PANELS.
- 12 TELESCOPIC GLASS ENTRANCE SYSTEM, SHOWN IN OPEN POSITION, SEE SECTION & PLAN DETAILS. ALL PANELS TO RECEIVE VINYL FILM, MAT CRYSTAL BY 3M TO MATCH DEMOUNTABLE WALL SYSTEM ETCHED GLASS. HEIGHT TO ALIGN WITH PARTITION DATUM LINES (CENTER SECTION). FIELD VERIFY TOTAL WIDTH FOR THREE EQUAL PANELS.
- 13 APPROXIMATE LOCATION OF EXISTING FLOOR HEIGHT TRANSITION OF APPROXIMATELY 1/2". FIELD VERIFY (HIGH SIDE IS NORTH OF THIS LINE). WIDTH OF TRANSITION IS 12". INSTALL FLOOR LEVELING COMPOUND AS SPECIFIED ON ENTIRE EXISTING CONCRETE FLOOR SOUTH OF THIS LINE IN PROJECT AREA. SEE FINISH PLAN FOR ADDITIONAL INFORMATION OF SCOPE OF AREA.
- 14 EXISTING ROOF DRAIN TO REMAIN. FIELD VERIFY AND INSTALL FURRED WALL AS TIGHT AS POSSIBLE TO DRAIN. COORDINATE CEILING FIXTURES LOCATIONS WITH WALL LOCATION.
- 15 ALTERNATE NO. 3: EXISTING STANDPIPE TO BE REROUTED INTO ADJACENT CHASE AND BACK INTO PLENUM, SEE FIRE PROTECTION.
- 16 ALTERNATE NO. 3: EXISTING DUCT TO BE REROUTED INTO NEW CHASE, SEE MECHANICAL.
- 17 NEW METAL STUD AND GYPSUM FURRING WALLS (EACH SIDE OF AMPHITHEATER) TO CONCEAL DUCTWORK AND STANDPIPE. FIELD VERIFY AND CONFIRM DIMENSIONS WITH MODIFIED DUCT SO THAT WALLS ARE AS TIGHT TO DUCT AS POSSIBLE. DELETE WALLS AND EXTEND SEATING TO SIDE WALLS IF ALTERNATE NO. 3 IS ACCEPTED.
- 18 EXISTING ROOF DRAIN TO BE REROUTED INTO CHASE, THROUGH ADJACENT FLOOR BACK TO ORIGINAL LOCATION, SEE PLUMBING
- 19 EXISTING PIPE TO REMAIN. COORDINATE NEW SHELVING INSTALLATION TO MAXIMIZE SHELVING AND MAINTAIN PIPE.

PARTITION LEGEND

- [Hatched Box] AREA NOT INCLUDED IN PROJECT SCOPE
- [FEC Symbol] FIRE EXTINGUISHER IN NEW SURFACE MOUNTED STAINLESS STEEL CABINET
- [Solid Line] EXISTING PARTITION TO REMAIN
- [G1 Symbol] PARTITION WITH ONE LAYER OF 5/8" GYPSUM WALLBOARD APPLIED WITH JOINTS STAGGERED TO EACH SIDE OF 20 GAUGE 3-5/8" METAL STUDS SPACED 16" O.C. PARTITION SHALL EXTEND FROM FLOOR SLAB TO SLAB ABOVE. 3-1/2" CONTINUOUS THERMAFIBER SOUND ATTENUATION BLANKET INSIDE OF PARTITION CAVITY.
- [G2 Symbol] PARTITION WITH ONE LAYER OF 5/8" GYPSUM WALLBOARD APPLIED WITH JOINTS STAGGERED TO EACH SIDE OF 20 GAUGE 3-5/8" METAL STUDS SPACED 16" O.C. PARTITION SHALL EXTEND FROM SLAB TO 12'-4" A.F.F.
- [G3 Symbol] PARTITION WITH ONE LAYER OF 5/8" GYPSUM WALLBOARD APPLIED WITH JOINTS STAGGERED TO ONE SIDE OF 20 GAUGE 1-5/8" METAL STUDS SPACED 16" O.C. ANCHORED TO EXISTING SUBSTRATE. PARTITION SHALL EXTEND FROM SLAB TO 12'-4" A.F.F.
- [G4 Symbol] PARTITION WITH ONE LAYER OF 5/8" GYPSUM WALLBOARD APPLIED WITH JOINTS STAGGERED TO ONE SIDE OF 20 GAUGE 1-5/8" METAL STUDS SPACED 16" O.C. ANCHORED TO EXISTING SUBSTRATE. PARTITION SHALL EXTEND FROM SLAB TO 12'-4" A.F.F.



REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A) PRIOR TO THE INSTALLATION OF FIXTURES, CONTRACTOR SHALL NOTIFY DESIGNER AT ONCE IN WRITING OF ANY OBSTRUCTIONS WHICH WOULD PROHIBIT THE FIXTURES FROM BEING LOCATED WHERE INDICATED ON THE DRAWINGS. REVISED FIXTURE LOCATION SHALL BE OBTAINED FROM THE DESIGNER.
- B) ALL RECESSED AND/OR SURFACE FIXTURES OR EQUIPMENT SHALL BE LOCATED IN THE CENTER OF THE CEILING TILES, UNLESS NOTED OTHERWISE.
- C) ALL SIMILAR FIXTURES SHALL HAVE THE SAME LAMP TYPE, BRAND, WATTAGE, AND COLOR.
- D) TWO OR MORE LIGHT SWITCHES IN THE SAME LOCATION SHALL BE GANGED TOGETHER WITH ONE COMMON COVERPLATE, UNLESS NOTED OTHERWISE.
- E) SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR LOCATION OF EXIT SIGNS, HVAC DIFFUSERS AND HVAC RETURNS.
- F) PROTECT ALL EXISTING PIPING AND INSULATION, CONDUIT, DEVICES AND CABLES TO REMAIN IN USE.
- G) PROTECT ALL EXISTING DUCTWORK (AND ASSOCIATED INSULATION AND SUPPORTS) AND DEVICES TO REMAIN.
- H) INSTALL LIGHT FIXTURES ON CENTER UNLESS NOTED OTHERWISE.
- I) ALL EXPOSED NEW AND EXISTING INFRASTRUCTURE AND SURFACES IN PLENUM SHALL BE PAINTED BLACK (ALL VERTICAL GYP SURFACES SHALL BE PAINTED AS SCHEDULED). THIS INCLUDES CONCRETE STRUCTURE (UNDERSIDE OF SLAB & BEAMS) PIPING, DUCTWORK AND CONDUITS. PREPARE CONCRETE AND ALL OTHER SURFACES AS REQUIRED FOR PAINT. IN EXPOSED AREAS, PATCH EXISTING MASONRY - INCLUDE IN BID PATCHING A TOTAL AREA OF 10 SQUARE FEET (MULTIPLE SMALL AREAS). REVIEW ALL LOCATIONS FOR PATCHING WITH ARCHITECT.
- J) ALL GYP CEILINGS SHALL BE PAINTED WHITE. SEE FINISH SCHEDULE.
- K) PROVIDE TWO ADDITIONAL ACCESS PANELS, 24" X 24" TO BE LOCATED IN THE FIELD FOR POTENTIAL REQUIRED ACCESS FOR EXISTING UTILITIES. ALL ACCESS PANELS TO BE PAINTED TO MATCH ADJACENT SURFACES.

NOTES TO SHEET

- 1) 1' x 8' SUSPENDED MODULAR WOOD CEILING PANELS. SEE SECTIONS.
- 2) CENTER SUSPENDED / RECESSED LED FIXTURES WITHIN THE DIMENSIONS SPECIFIED, FIELD VERIFY
- 3) EXISTING CEILING GRID TO REMAIN. TILES SHALL BE REPLACED WITH EXISTING TILE SALVAGED FROM ADJACENT DEMOLISHED CEILING. FIELD VERIFY EXACT CONFIGURATION OF EXISTING GRID AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR EXISTING AND NEW INFRASTRUCTURE SCOPE.
- 4) NEW PAINTED GYP BOARD CEILING / SOFFIT.
- 5) 14" X 14" TRIMLESS ACCESS PANEL, PAINTED TO MATCH ADJACENT CEILING. PROVIDE LABEL PER MANUFACTURER. AMPHITHEATER LOCATION: ONLY IF ALTERNATE NO.3 IS ACCEPTED.
- 6) START CEILING GRID WITH FULL TILE ALONG WALL(S).
- 7) FIELD CUT CEILING PANEL TIGHT TO WALL AT EXISTING PARTITION
- 8) EXIST CONCRETE BEAM ABOVE, PAINTED

LEGEND:

- EXISTING - NO WORK
- NEW GYP CEILING. ALL LIGHT GAUGE FRAMING SUPPORTS FOR GYPSUM BOARD CEILING / SOFFIT SHALL BE ENGINEERED IN ACCORDANCE W/ SPEC 054000.
- MODULAR WOOD CEILING W/ ACOUSTICAL BACKER PANELS
- 2X2 CEILING GRID AND TILES
- RECESSED / SUSPENDED SLOT LED FIXTURE
- 12" DIA. SUSPENDED LED FIXTURE
- 24" DIA. SUSPENDED LED FIXTURE
- 2X4 RECESSED FLUORESCENT FIXTURE
- EXIT SIGN (ARROWS INDICATE PATH OF TRAVEL)
- SECURITY CAMERA, WALL MOUNTED UNLESS NOTED OTHERWISE, SEE ELEC
- 2X2 HVAC DIFFUSER
- 2X2 HVAC RETURN
- 4" LINEAR SLOT DIFFUSER
- 4" LINEAR SLOT RETURN
- 2" LINEAR SLOT DIFFUSER
- 2" LINEAR SLOT RETURN
- GYP CONTROL JOINT (TURN VERTICAL @ SOFFIT WALLS)

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RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC

ISSUE DATE: 05/29/14
PROJECT NO.: 14.150.00
STATE PROJECT NO.: H27-2145

REVISION: DATE

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ROOM NO	ROOM NAME	FLOOR FINISH					CEILING FINISH	REMARKS
		FINISH	BASE	NORTH	SOUTH	WEST		
227-01	LOBBY	PT-1, PT-2, GR-1	PTB-1, GR-1	DWS-2	P-1	DWS-1	CG-1	1
227-02	COLLABORATION	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	RB-1	DWS-1	P-1	DWS-1	MWC-1, GWB	1
227-04	VEST	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	RB-1	P-1, DWS-1	P-1	DWS-1	GWB	1
227-05	MEETING	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	RB-1	GPS-1	DWS-2	P-1	GWB	1
227-06	SM MTG	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	RB-1	DWS-1	DWS-3	DWS-1	P-1	GWB
227-07	SM MTG	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	RB-1	DWS-1	DWS-3	DWS-1	P-1	GWB
227-08	CORR	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	-	-	DWS-1	DWS-1	GWB	1
227-09	SM MTG	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	RB-1	DWS-1	DWS-3	DWS-1	GWB	1
227-10	SM MTG	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	RB-1	DWS-3	MB-1	DWS-1	GWB	2
227-11	AMPHITHEATER	WF-1	RB-1	P-1	P-1	P-1	GWB	2
227-12	LEADERSHIP CENTER	CPT-1, CPT-2, CPT-3, CPT-4, CPT-5	RB-1	P-1	P-1	P-1	MWC-1, GWB	3
227-13	WORK ROOM / STORAGE	LVT-1	RB-1	P-1	P-1	P-1	ACP-1	3
227-14	MECHANICAL	-	-	-	-	-	EXPOSED	
227-15	STORAGE	LVT-1	RB-1	P-1	P-1	P-1	ACP-1	

KEY FINISH NOTES

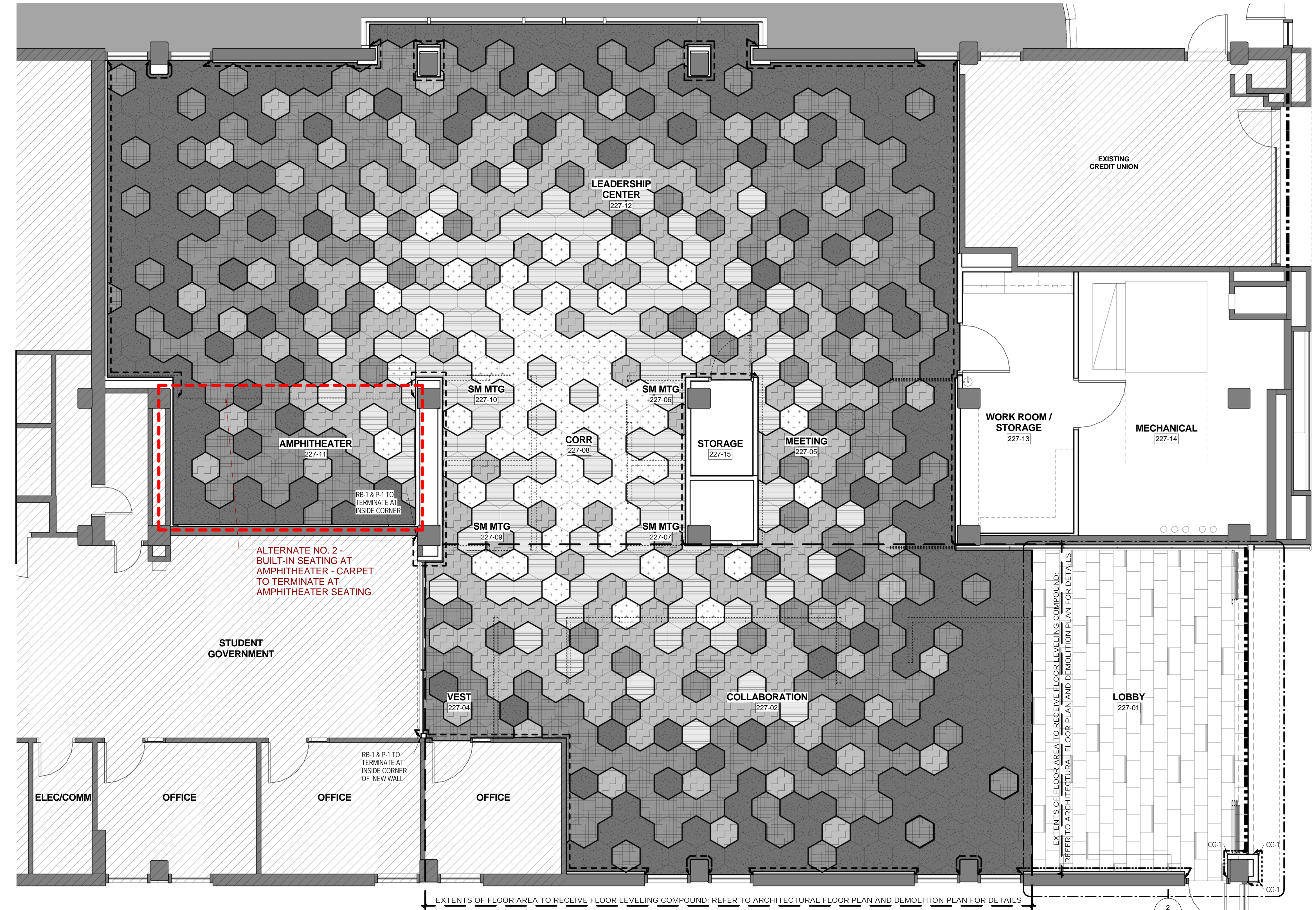
- REFER TO FINISH PLAN FOR LOCATION AND DETAILS ON FLOOR FINISH TRANSITIONS.
- RISERS AND PLATFORMS AT TIERED SEATING TO RECEIVE WF-1; 4" TOE KICK TO RECEIVE PL-1; REFER TO CASEWORK ELEVATIONS AND SECTIONS FOR DETAILS.
- FOR CASEWORK, APPLY SS-1 TO ALL COUNTERTOPS AND 4" BACKSPLASH; APPLY PL-1 TO ALL EXPOSED EXTERIOR FACES OF CABINET DRAWER AND DOOR FRONTS, SHELVING AND END PANELS WITH 3MM PVC EDGE BANDING, 3MM PVC EDGE BANDING FOR ALL PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS TO MATCH LAMINATE COLOR; FINAL SELECTION TO BE DETERMINED BY ARCHITECT DURING SHOP DRAWING REVIEW. PROVIDE SCHEDULED WALL BASE AT EXPOSED SIDES OF TOE KICK/BASE AREA OF CASEWORK.

GENERAL FINISH NOTES

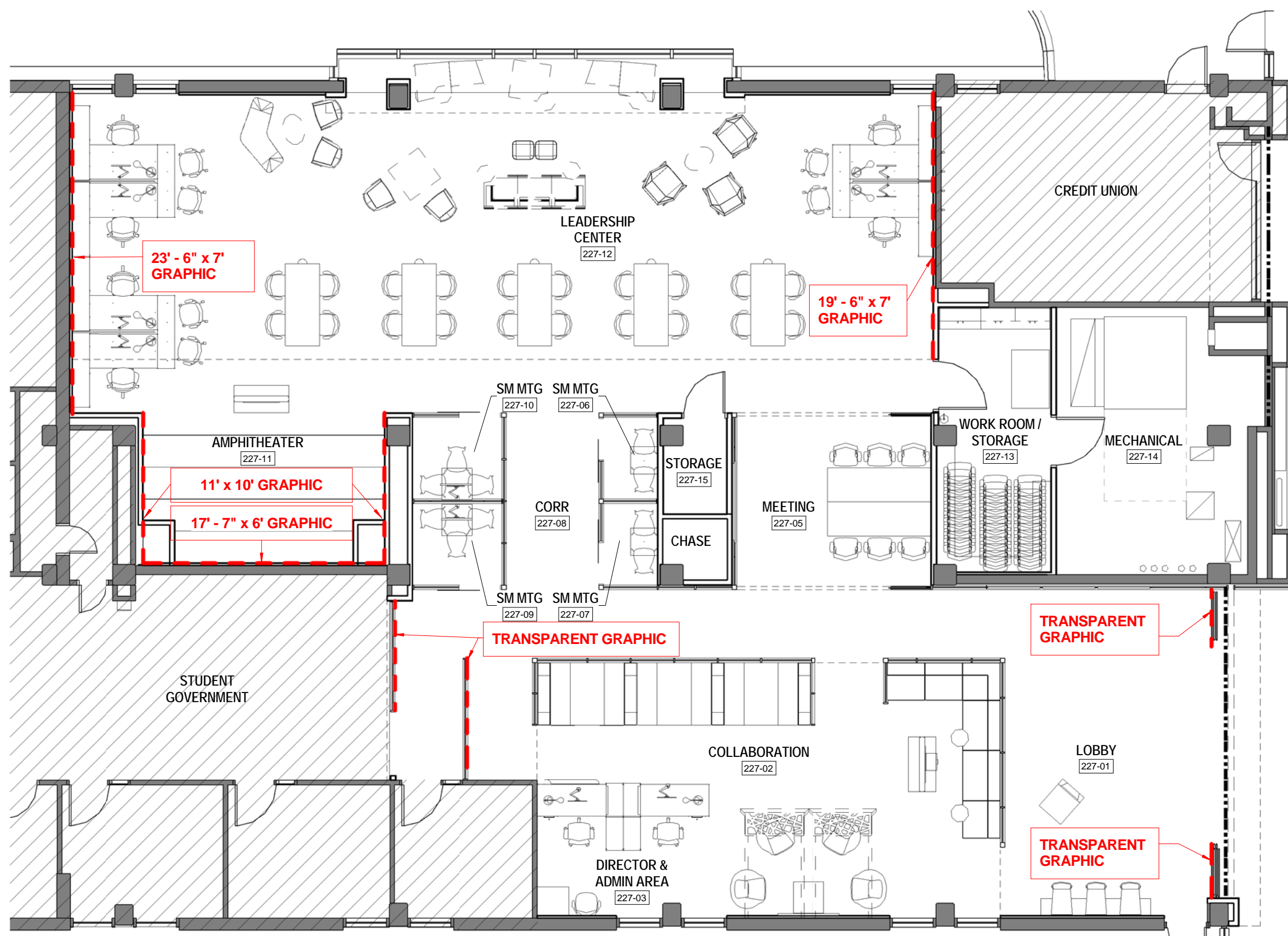
- WHERE SPECIFIC PRODUCTS ARE INDICATED ITEM DESIGNATION INCORPORATES QUALITY AESTHETIC APPEARANCE. SEE SPECIFICATIONS FOR EQUAL MANUFACTURERS PER PRODUCT TYPE INDICATED. ACTUAL COLOR SELECTION MAY VARY PER BIDDING OUTCOME. DEPENDING ON LOCATION OF ITEM, ALTERNATES SHALL MATCH IN COLOR / TEXTURE, AS WELL AS PERFORMANCE CRITERIA, AS APPROVED BY ARCHITECT.
- WHERE MORE THAN ONE WALL OR FLOOR FINISH IS SPECIFIED, SEE REMARKS AND FINISH DRAWINGS / ELEVATIONS FOR COMPLETE DESIGNATIONS, LAYOUT AND DIMENSIONS. SEE ENLARGED PLANS FOR REFERENCES.
- REFERENCE REFLECTED CEILING PLANS FOR EXTENT / LOCATION OF CEILING FINISH DESIGNATIONS AND HEIGHTS.
- ALL PAINT COLORS AND LOCATIONS ARE TO BE FIELD VERIFIED WITH ARCHITECT PRIOR TO INSTALLATION.
- PAINT ALL GYPSUM CEILINGS AND ALL EXPOSED SIDES OF SOFFITS (UNDERSIDES AND VERTICAL SURFACES) P-1, UNLESS NOTED OTHERWISE.
- PROVIDE FINISH PAINT SYSTEM BEHIND ALL CABINETS, SHELVING, MARKER BOARDS, TACK BOARDS, SMART BOARDS, AND ALL OTHER WALL MOUNTED ITEMS, UNLESS NOTED OTHERWISE.
- ALL INTERIOR HOLLOW METAL DOORS, DOOR FRAMES, DOORS, TRANSOMS AND WINDOW FRAMES TO BE PAINTED (P-1).
- FOR ALL AREAS THAT DO NOT HAVE A DROPPED ACOUSTICAL CEILING, FURRED GYPSUM WALLS TO BE PAINTED P-1 (TO A HEIGHT OF 12'-4"). EVERYTHING ABOVE 12'-4" INCLUDING EXPOSED BRICK WALLS, EXPOSED NEW AND EXISTING INFRASTRUCTURE INCLUDING STRUCTURAL HANGERS & PLATES, DUCTWORK, CONDUIT, SPRINKLER PIPING AND RELATED HANGERS AND ACCESSORIES IN PLENUM INCLUDING PLENUM SURFACES AND CONCRETE STRUCTURES (UNDERSIDE OF SLAB & BEAMS) SHALL BE PAINTED P-2. REFER TO BUILDING SECTIONS FOR DETAILS.
- EXPOSED CONDUIT, PIPING, ETC. SHALL BE PAINTED TO MATCH ADJACENT WALLS / TRIM, AS SPECIFIED BY ARCHITECT.
- PROVIDE SCHEDULED WALL BASE AT ALL EXPOSED SIDES OF ALL CASEWORK UNLESS NOTED OTHERWISE.
- SCHEDULED BASES SHALL WRAP CORNERS AT DOORS & WINDOWS & RETURN TO JAMB, UNLESS NOTED OTHERWISE.
- SCHEDULED FLOOR FINISHES SHALL EXTEND CONTINUOUSLY UNDERNEATH BASE CABINETS OR OTHER SEMI-PERMANENT FLOOR MOUNTED ITEMS INCLUDING DEMOUNTABLE PARTITIONS, AND SHALL EXTEND TO THE CENTERLINE OF DOORS IN THE CLOSED POSITION WHERE FLOORING MATERIAL TRANSITIONS OCCUR, UNLESS NOTED OTHERWISE.
- PROVIDE FLOOR LEVELER AS REQUIRED AT FLOOR SLABS TO MAINTAIN SMOOTH AND LEVEL INSTALLATION. REFER TO FINISH PLAN & ARCHITECTURAL FLOOR PLAN FOR DETAILS AND LOCATIONS.
- PROVIDE TRANSITION STRIPS AT ALL CONDITIONS WHERE FLOORING MATERIALS CHANGE; ALL TRANSITION STRIPS SHALL MEET A.D.A.A.G. WHERE PORCELAIN TILE TRANSITIONS TO ANOTHER FLOORING SURFACE. SCHLITZ HARDWARE SHALL BE INSTALLED, WHERE LUXURY VINYL TILE (LVT) TRANSITIONS TO ANOTHER FLOORING SURFACE OR NEW CARPET (CPT) TRANSITIONS TO EXISTING CARPET, RUBBER TRANSITION STRIP (RS-1) SHALL BE INSTALLED.

INTERIOR FINISH MATERIALS

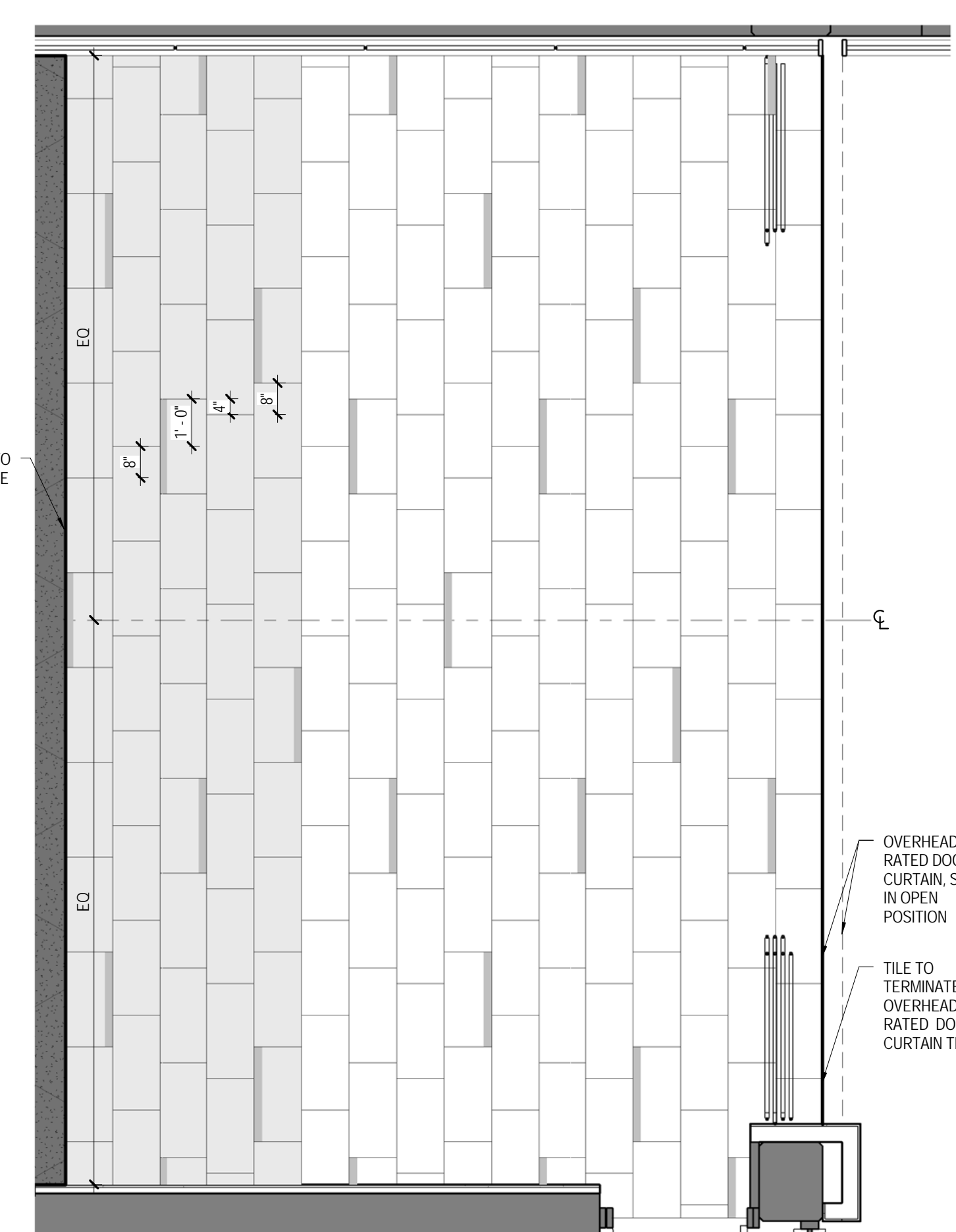
CARPET (CPT)		PORCELAIN TILE BASE (PTB)	
CPT-1 MANUFACTURER: SHAW CONTRACT PATTERN: 51057 - BEVEL HEXAGON COLOR: 55095 - CHARCOAL SIZE: 24.9" x 28.8" DIA. x 14.4" SIDE	CPT-2 MANUFACTURER: SHAW CONTRACT PATTERN: 51057 - BEVEL HEXAGON COLOR: 55030 - TWEEED SIZE: 24.9" x 28.8" DIA. x 14.4" SIDE	CPT-3 MANUFACTURER: SHAW CONTRACT PATTERN: 51057 - BEVEL HEXAGON COLOR: 55156 - MORTAR SIZE: 24.9" x 28.8" DIA. x 14.4" SIDE	CPT-4 MANUFACTURER: SHAW CONTRACT PATTERN: 51057 - BEVEL HEXAGON COLOR: 55118 - PEWTER SIZE: 24.9" x 28.8" DIA. x 14.4" SIDE
CPT-5 MANUFACTURER: SHAW CONTRACT PATTERN: 51057 - BEVEL HEXAGON COLOR: 55105 - BLEACHED SIZE: 24.9" x 28.8" DIA. x 14.4" SIDE	WOOD FLOORING (W/F)		
WF-1 SPECIES: MAPLE FINISH: CLEAR, SATIN EDGE: MICROBEVEL WIDTH: 4" SOLID WOOD	WOOD FLOORING (W/F)		
PORCELAIN TILE (PT)		GLASS PARTITION SYSTEM (GPS)	
PT-1 MANUFACTURER: ROYAL MOSA SERIES: TERRA MAESTRICH ITEM NUMBER: 216 V 06090 COLOR: 216 - ANTHRACITE SURFACE: PATTERN MATT SIZE: 12" x 24" (9.5CM x 60CM)	PT-2 MANUFACTURER: ROYAL MOSA SERIES: TERRA MAESTRICH ITEM NUMBER: 203 V 06090 COLOR: 203 - COOL BLACK SURFACE: PATTERN MATT SIZE: 2" x 24" (5CM x 60CM)	GPS-1 TELESCOPIC FRAMELESS OPERABLE GLASS PARTITION SYSTEM. SHOWN IN OPEN POSITION. SEE SECTION & PLAN DETAILS.	GPS-2 TWO-WAY FRAMELESS OPERABLE GLASS ENTRY SYSTEM. SHOWN IN OPEN POSITION. SEE HEAD & PLAN DETAILS.
LUXURY VINYL TILE (LVT)		PLASTIC LAMINATE (PL)	
LVT-1 MANUFACTURER: ARMSTRONG COMMERCIAL FLOORING PRODUCT LINE: NATURAL CREATIONS MYSTIX PRODUCT #: TR921 STYLE: FLIGHT PATH COLOR: GRAY BEIGE SIZE: 18" x 18"	LVT-2 MANUFACTURER: ARMSTRONG COMMERCIAL FLOORING PRODUCT LINE: NATURAL CREATIONS MYSTIX PRODUCT #: TR921 STYLE: FLIGHT PATH COLOR: GRAY BEIGE SIZE: 18" x 18"	PL-1 MANUFACTURER: FORMICA STYLE: 902-58 PLATINUM FINISH: MATTE	PL-2 MANUFACTURER: FORMICA STYLE: 902-58 PLATINUM FINISH: MATTE
RUBBER BASE (RB)		SOLID SURFACE (SS)	
RB-1 MANUFACTURER: JOHNSONITE SERIES: TRADITIONAL WALL BASE STYLE: 4" COVE COLOR: 63 - BURNT UMBER	SS-1 MANUFACTURER: FORMICA SERIES: SOLID SURFACING PRODUCT LINE: SOLID ELEMENTS COLOR: 102 - ARCTIC THICKNESS: 1/2"	CORNER GUARD (CG)	
ACoustical CEILING PANEL (ACP)		CG-1 EXISTING STAINLESS STEEL CORNER GUARDS TO BE SALVAGED & REUSED FROM DEMOLITION; REFER TO DEMOLITION PLAN FOR DETAILS & LOCATIONS.	
ACP-1 2' x 2' ACOUSTICAL CEILING PANEL		MODULAR WOOD CEILING (MWC)	
		MWC-1 MODULAR WOOD CEILING WITH BLACK ACOUSTICAL BACKER OR BLACK ACOUSTICAL CEILING PANEL	



FINISH PLAN SCALE: 1/4" = 1'-0"

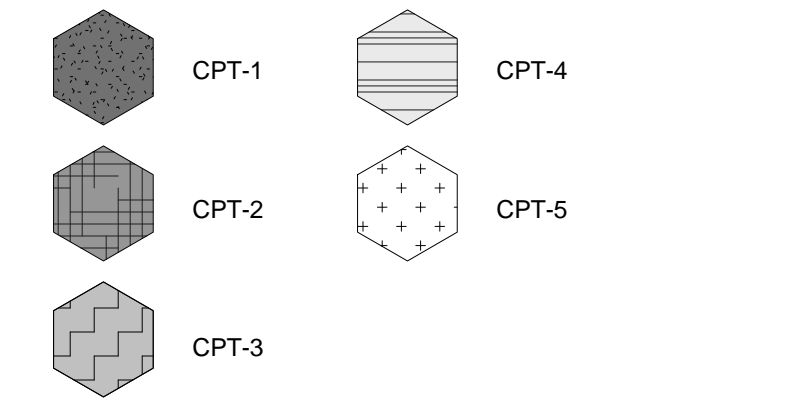


FURNITURE PLAN SCALE: 1/8" = 1'-0"



LOBBY 227-01 FLOOR PATTERN DETAIL SCALE: 3/8" = 1'-0"

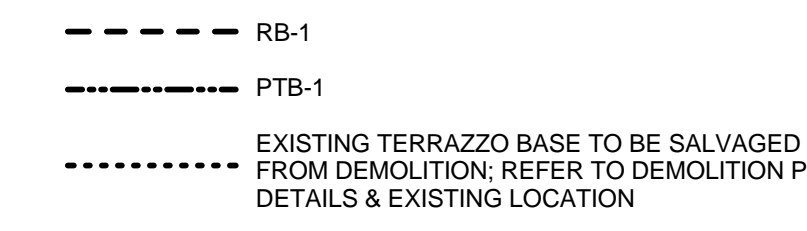
CARPET TILE LEGEND



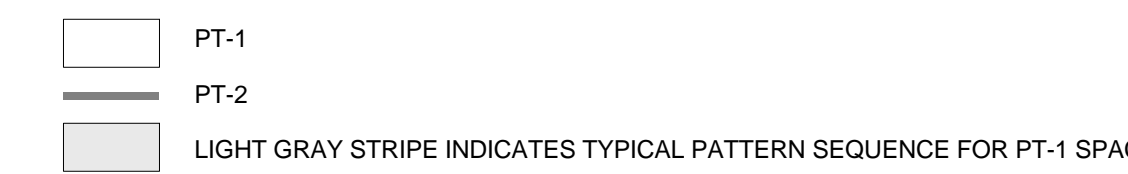
CARPET TILE PATTERN NOTES

- OVERALL CARPET PATTERN LAYOUT TO BE USED AS REFERENCE FOR CARPET INSTALLATION ESTIMATE ONLY; ACTUAL LAYOUT TO BE FIELD COORDINATED WITH INTERIOR DESIGNER.

BASE TYPE LEGEND



PORCELAIN TILE LEGEND



PORCELAIN TILE PATTERN NOTES

- PT-1 TO BE CUT TO ACCOMMODATE PT-2 EVERY 3RD TILE ON EVERY OTHER ROW ALTERNATING PLACEMENT FROM TOP TO BOTTOM OF TILE; REFER TO PATTERN DETAIL FOR STARTING POINT OF PT-2 FOR EACH ROW.

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RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SC




PROJECT TITLE: RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION
 PROJECT NO.: 14.150.00
 STATE PROJECT NO.: H27.2145
 ISSUE DATE: 05/29/14
 REVISION: DATE

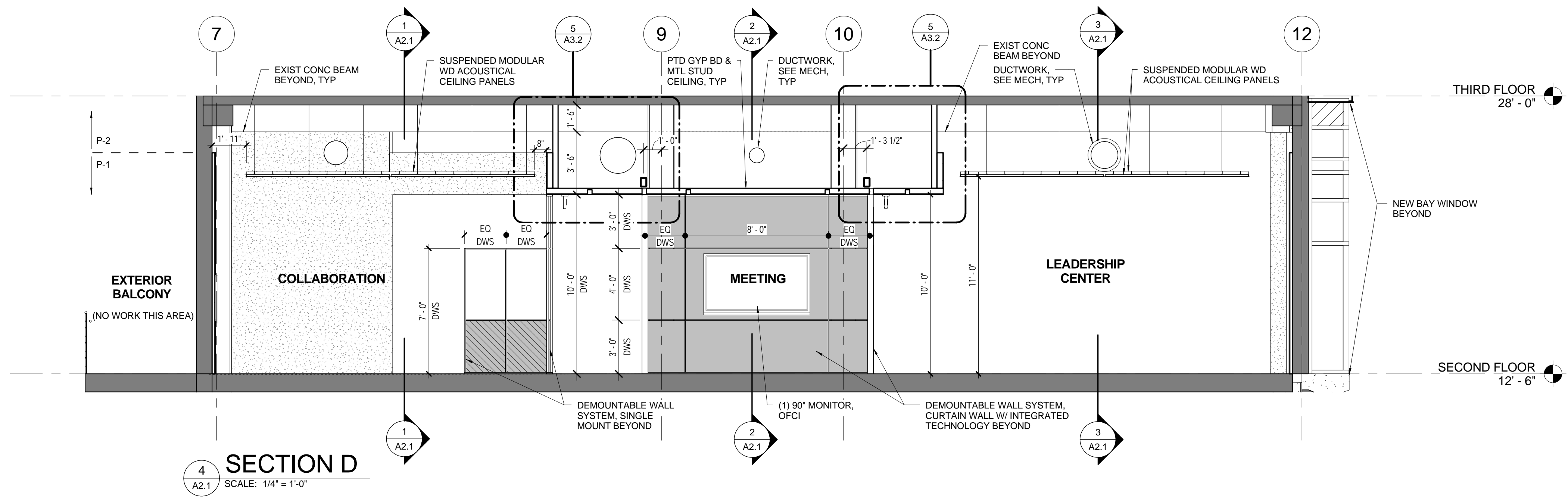
BARBARA HALLER
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QUACKENBUSH ARCHITECTS + PLANNERS, LLC
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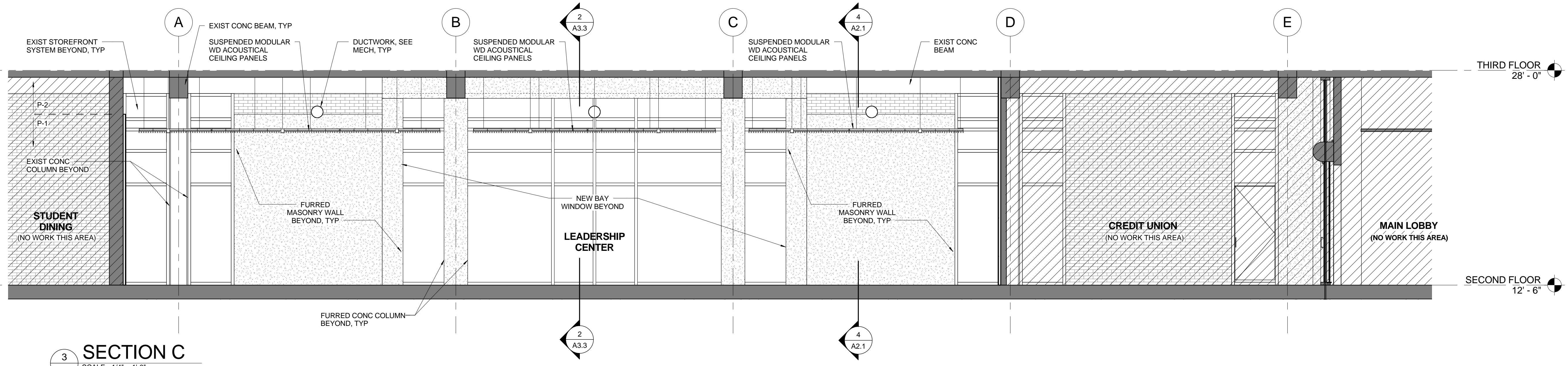
TITLE: FINISH FLOOR PLAN, FINISH SCHEDULE & MATERIALS & FURNITURE PLAN
 SHEET NO: A1.3

LEGEND:

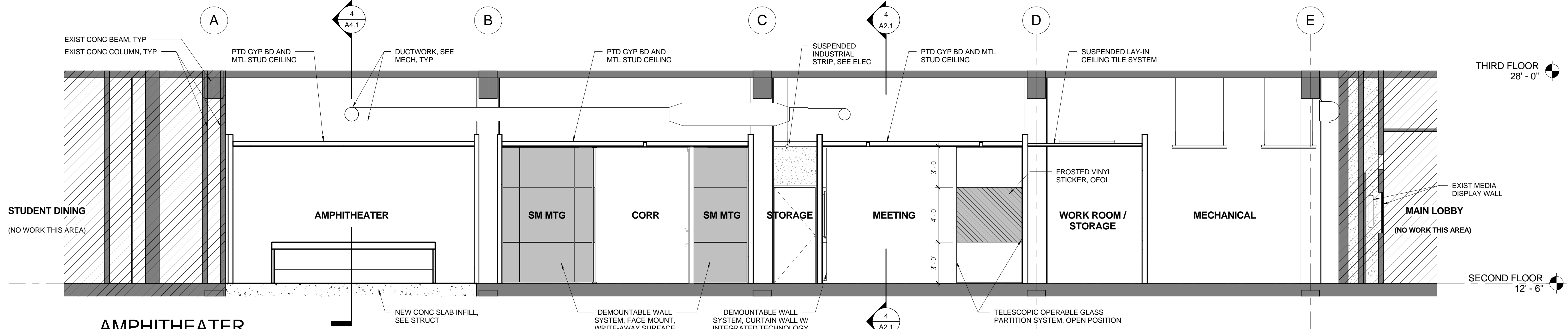
-  EXISTING - NO WORK
-  OPAQUE GLASS PANEL
-  ETCHED GLASS PANEL



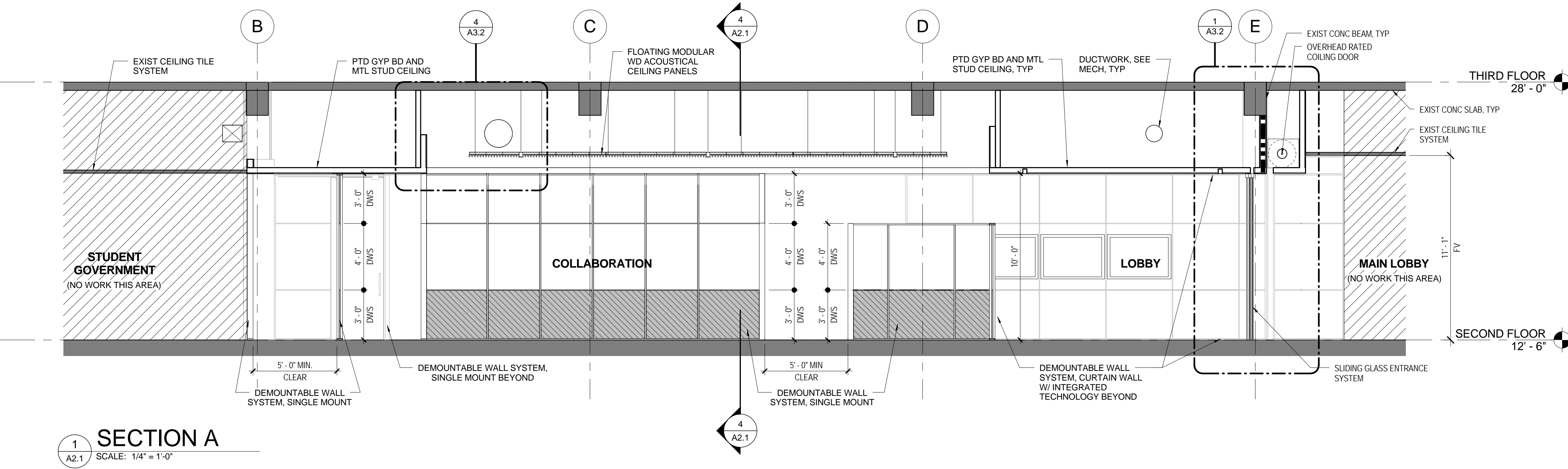
SECTION D
SCALE: 1/4" = 1'-0"



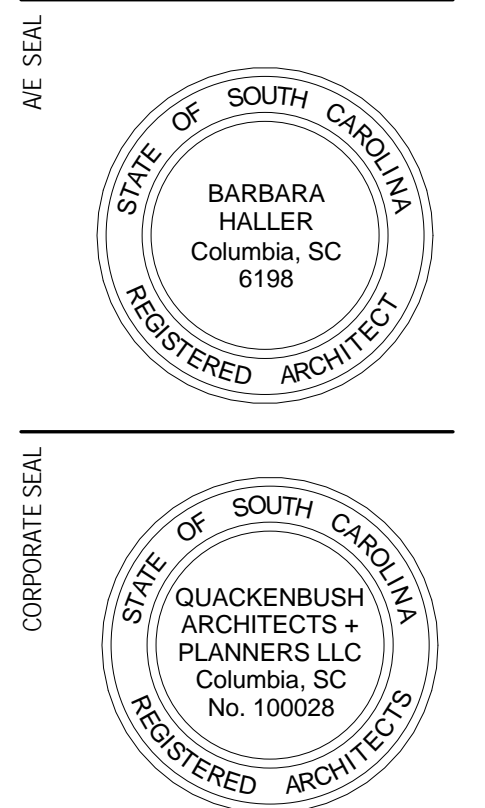
SECTION C
SCALE: 1/4" = 1'-0"



AMPHITHEATER PLAN, ALTERNATE NO.3
SCALE: 1/4" = 1'-0"



SECTION A
SCALE: 1/4" = 1'-0"



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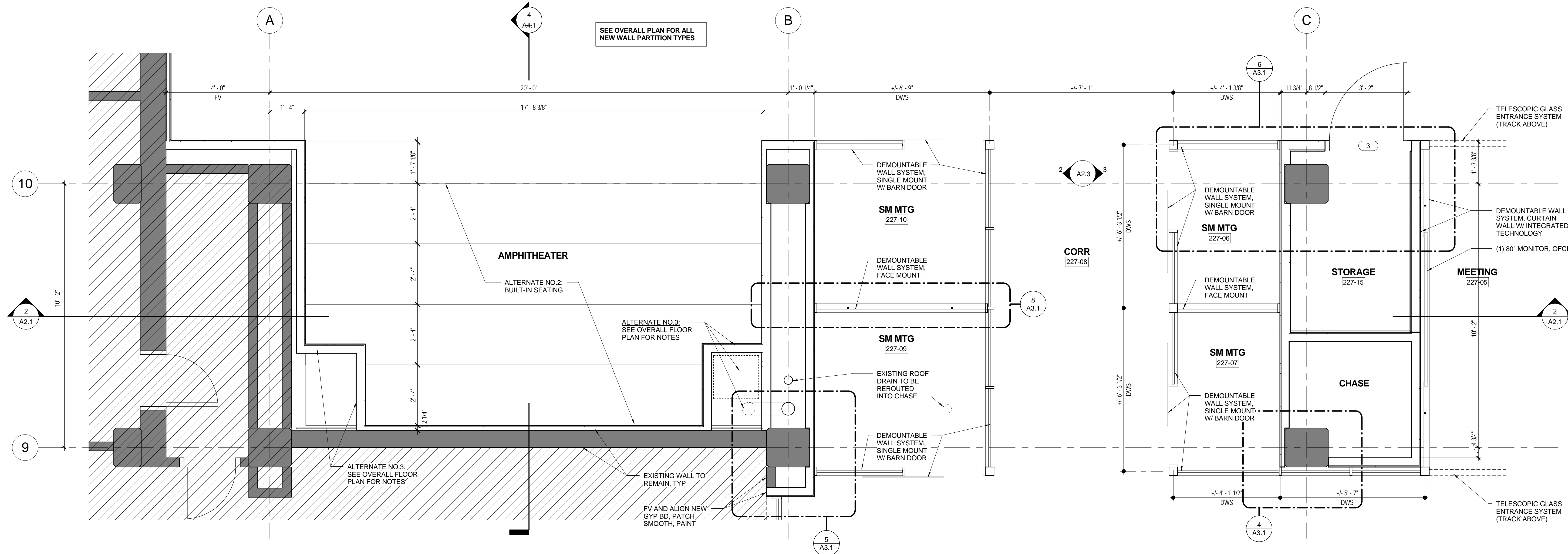
PHASE: BID SET

ISSUE DATE: 05/29/14

PROJECT NO.: 14.150.00

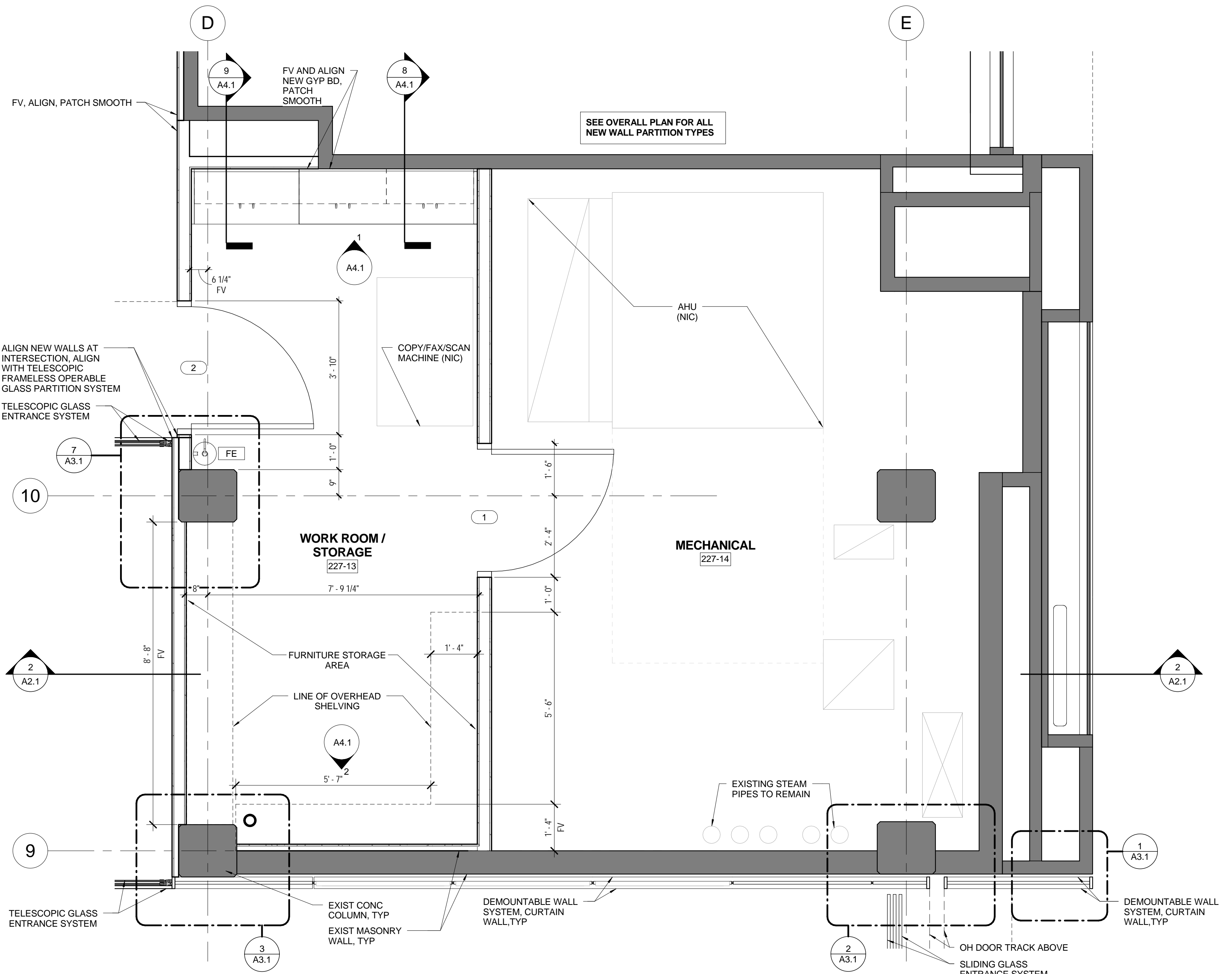
STATE PROJECT NO.: H27.2145

REVISION: DATE



1
A2.2
SCALE: 1/2" = 1'-0"

AMPHITHEATER, MEETING ROOMS, & CHASE PLAN



2
A2.2
SCALE: 1/2" = 1'-0"

WORK AREA PLAN

QUACKENBUSH ARCHITECTS + PLANNERS
 1217 HAMPTON | COLUMBIA, SC | 803.771.2999 | quackenbusharchitects.com

PROJECT TITLE
RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SC

ARCHITECT'S SEAL
 STATE OF SOUTH CAROLINA
 BARBARA HALLER
 Columbia, SC
 6198
 REGISTERED ARCHITECT

CORPORATE SEAL
 STATE OF SOUTH CAROLINA
 QUACKENBUSH ARCHITECTS + PLANNERS, LLC
 Columbia, SC
 No. 100028
 REGISTERED ARCHITECTS

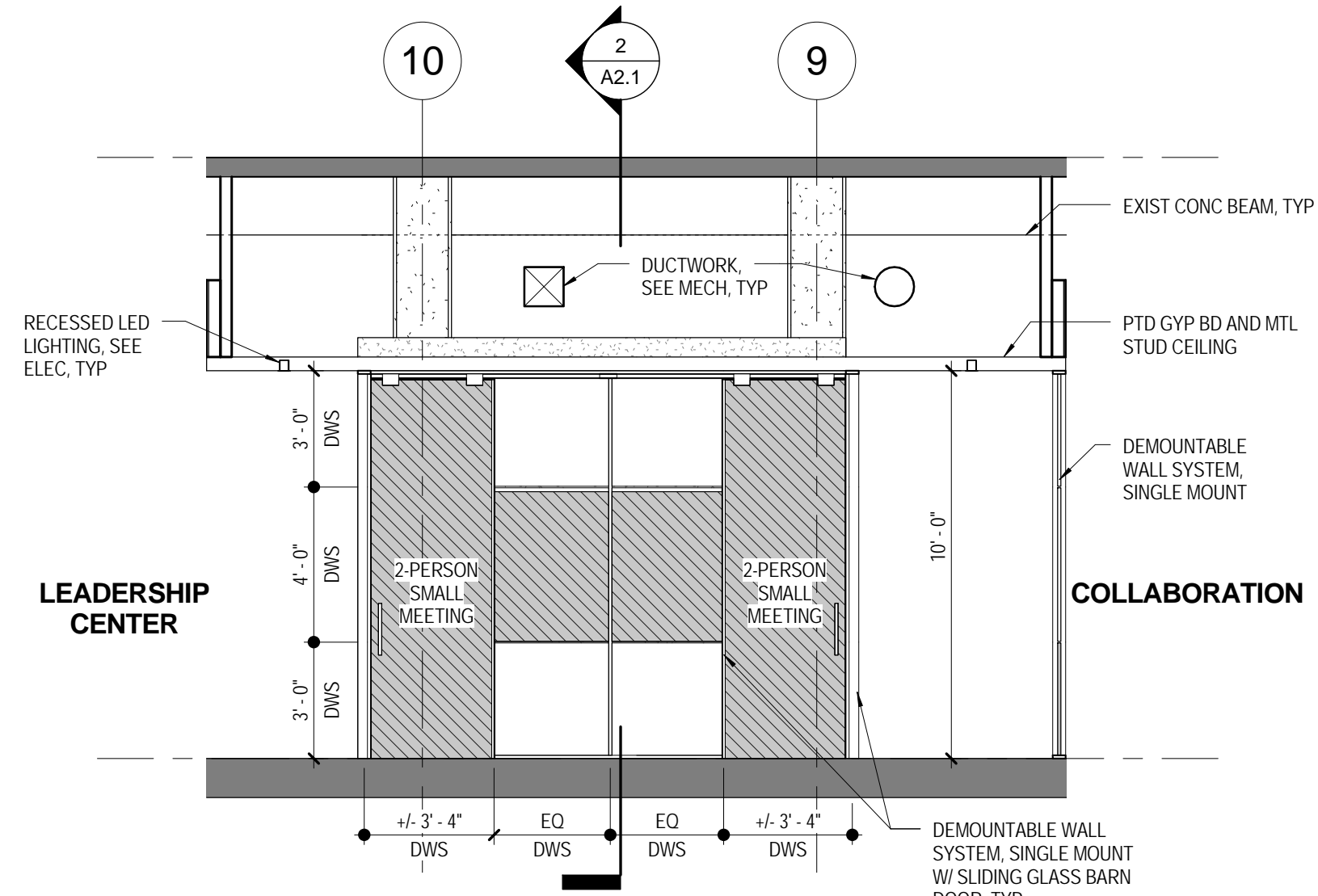
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PHASE	ISSUE DATE	PROJECT NO.	STATE PROJECT NO.	REVISION	DATE
BID SET	05/29/14	14-150-00	H27-2145		

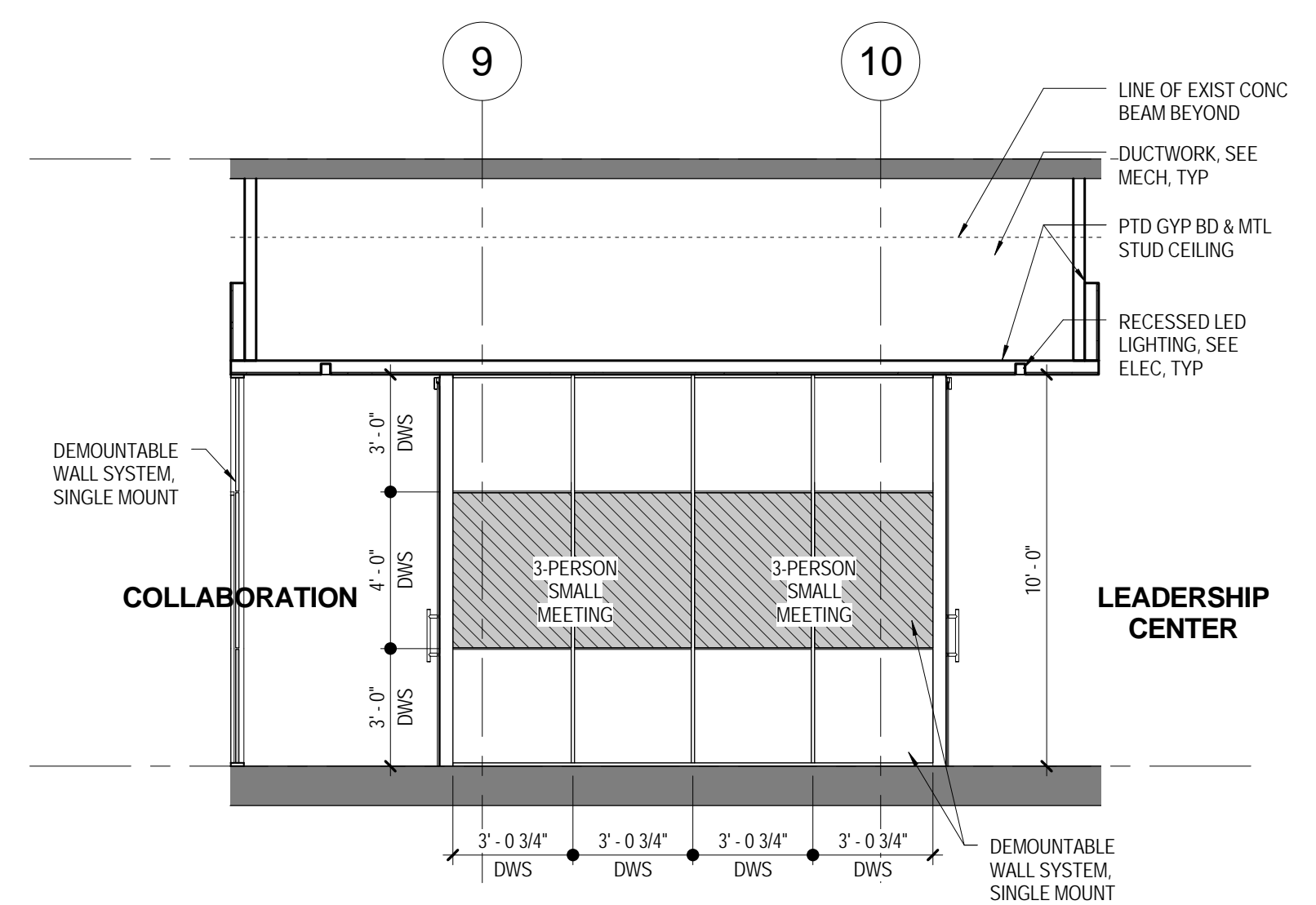
TITLE
ENLARGED PLANS

SHEET NO.
A2.2

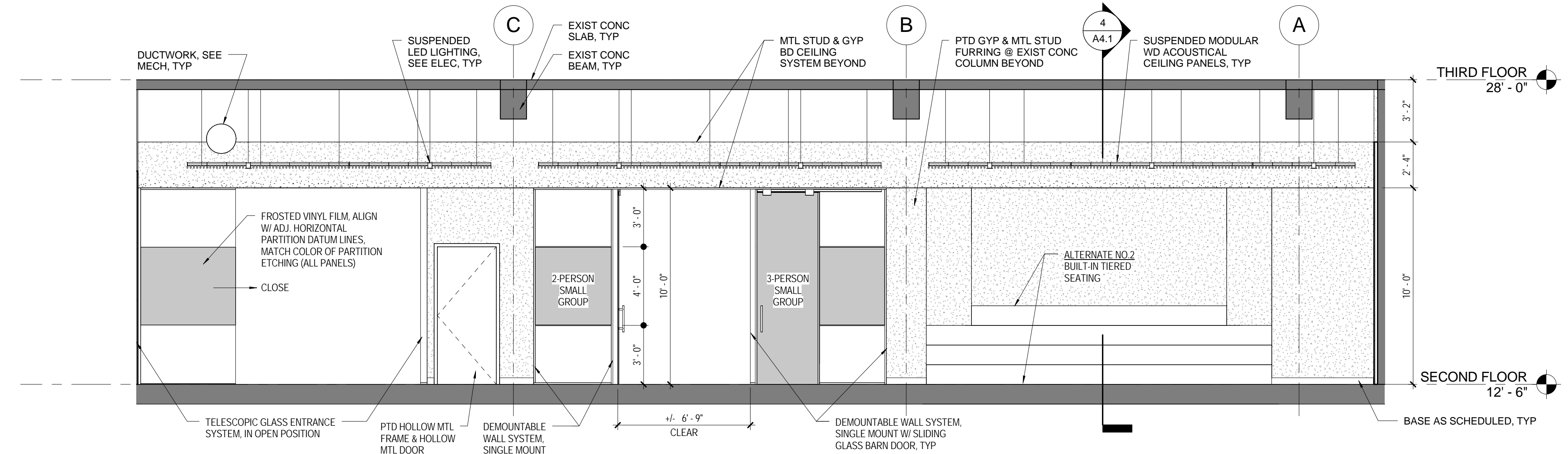
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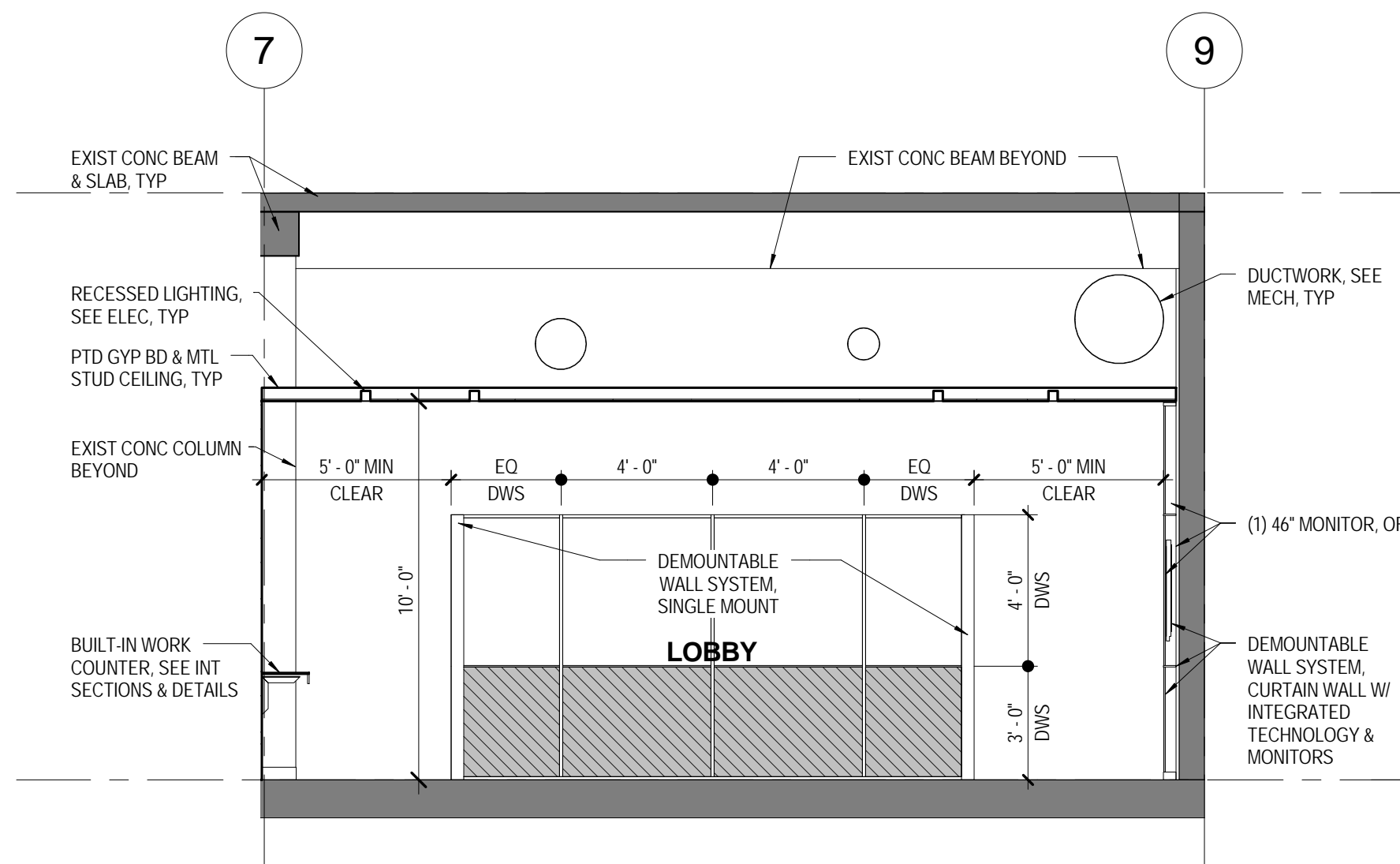
**INT ELEVATION -
2-PERSON BOOTHS**
3 A2.3 SCALE: 1/4" = 1'-0"



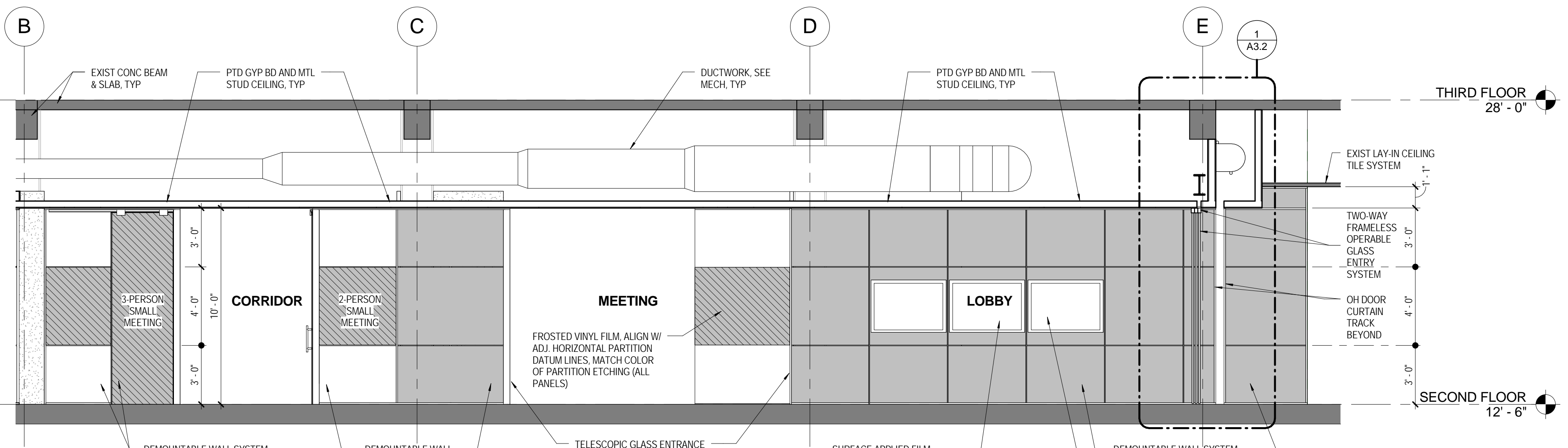
**INT ELEVATION -
3-PERSON BOOTHS**
2 A2.3 SCALE: 1/4" = 1'-0"



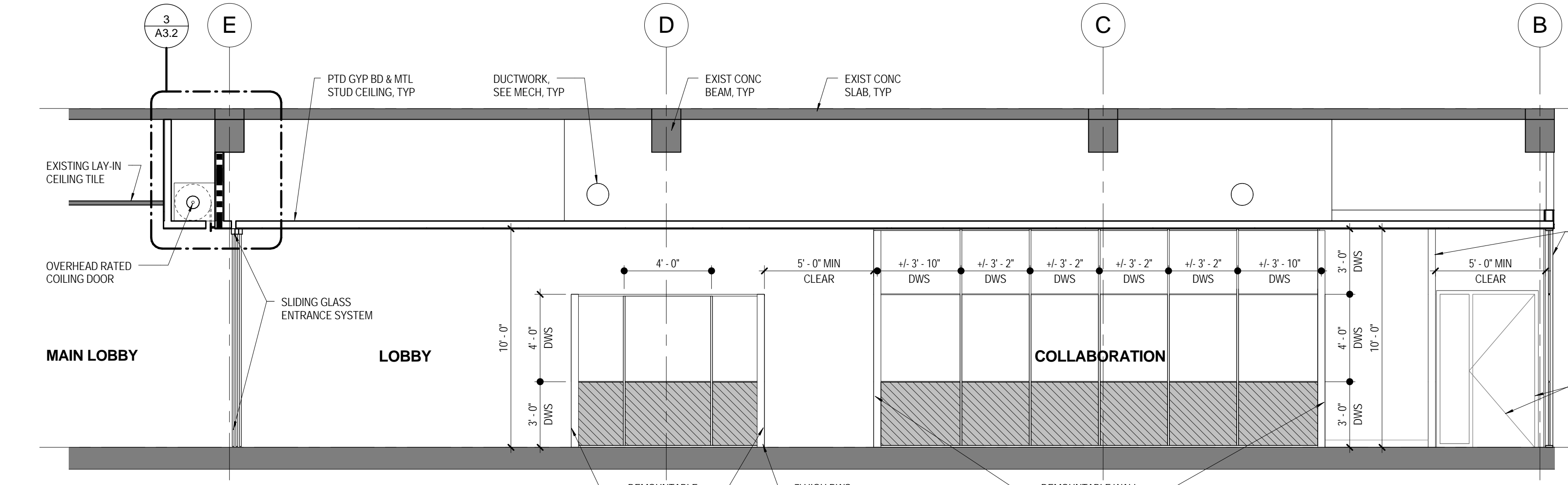
**INT ELEVATION -
COLLABORATION CORE NORTH**
1 A2.3 SCALE: 1/4" = 1'-0"



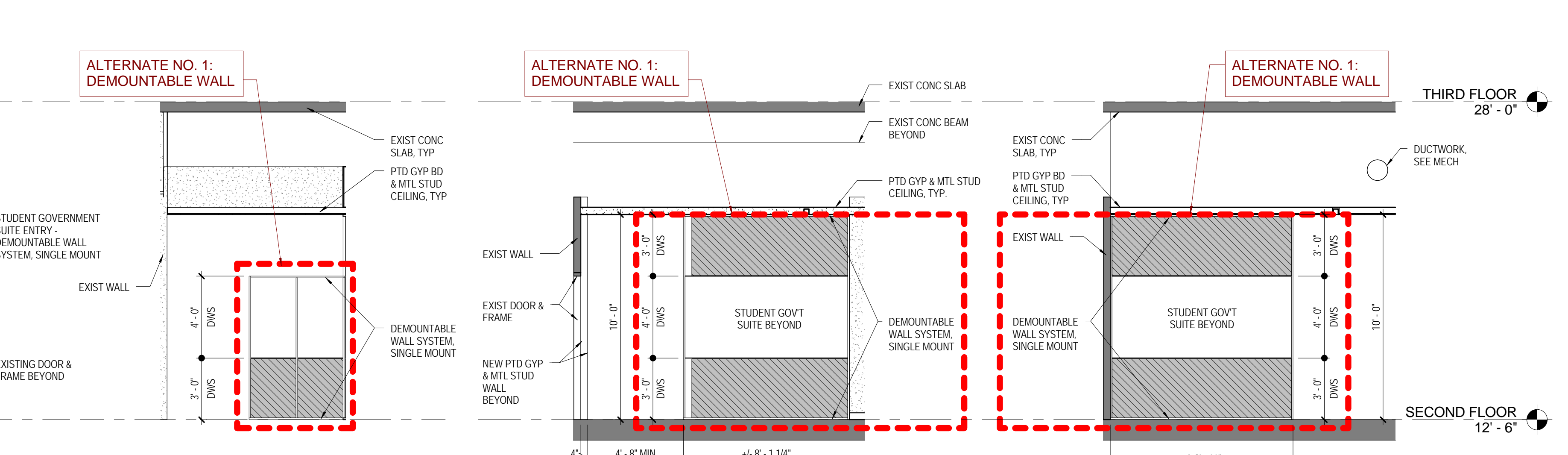
**INT ELEVATION -
ENTRY LOBBY WALL**
5 A2.3 SCALE: 1/4" = 1'-0"



**INT ELEVATION -
COLLABORATION CORE SOUTH**
4 A2.3 SCALE: 1/4" = 1'-0"



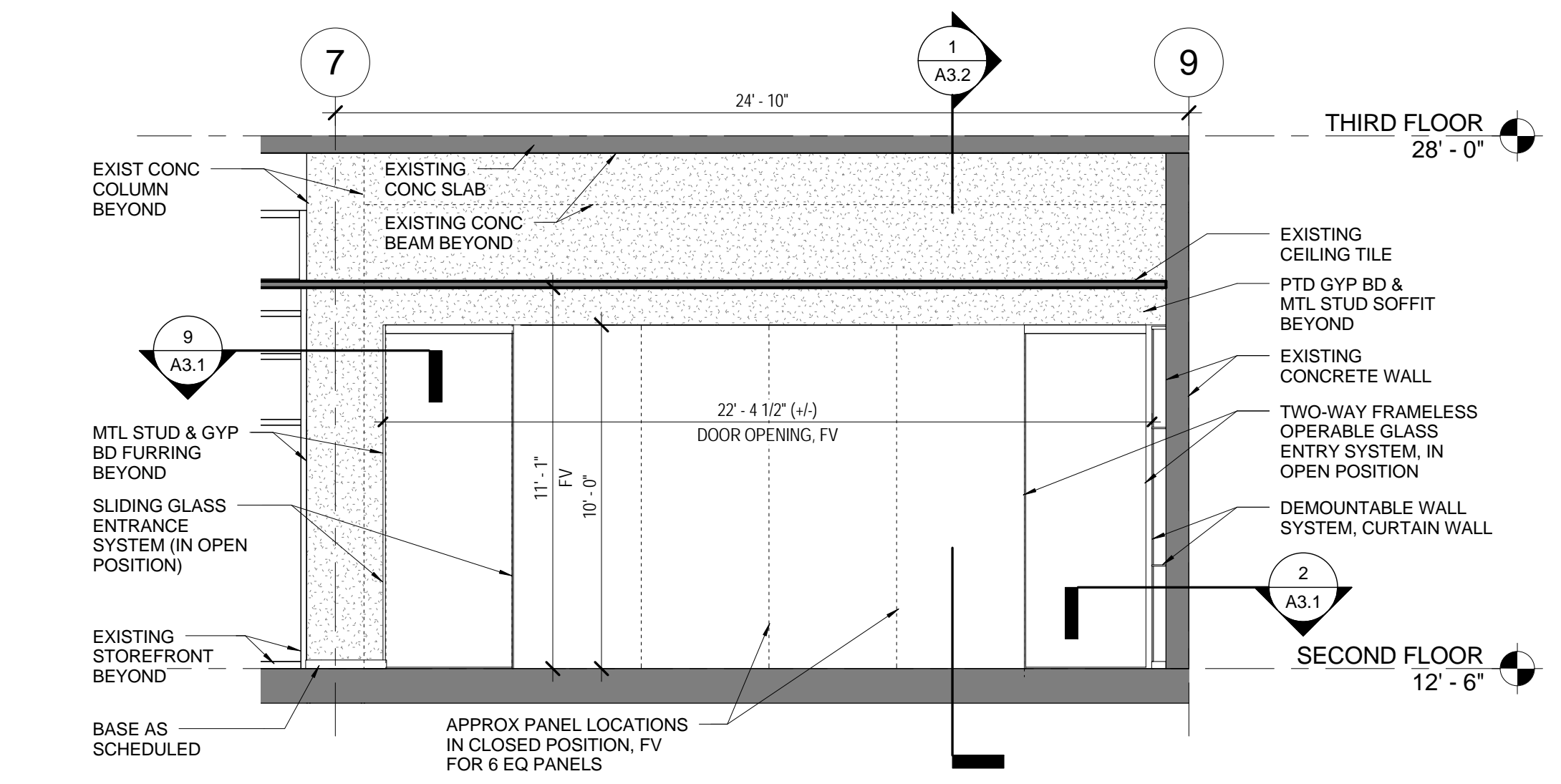
**INT ELEVATION - S/M GROUP &
STUDENT GOV'T ENTRY**
8 A2.3 SCALE: 1/4" = 1'-0"



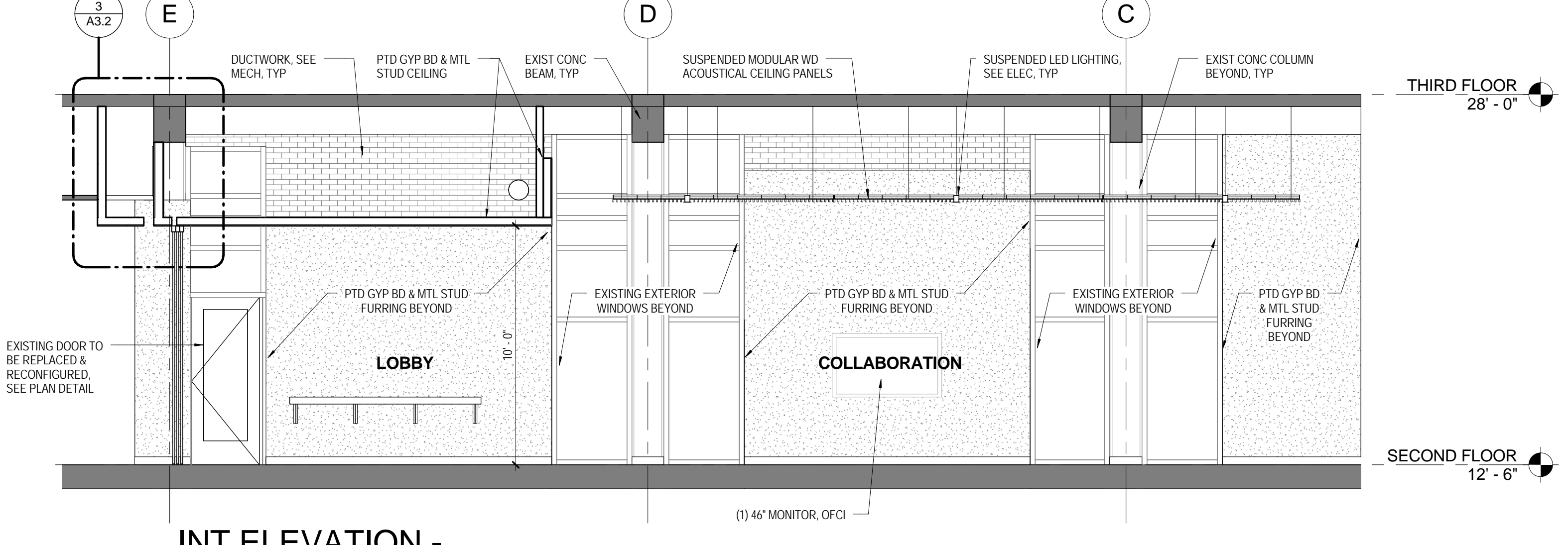
**INT ELEVATION -
SMALL GROUP**
11 A2.3 SCALE: 1/4" = 1'-0"

**INT ELEVATION -
STUDENT GOV ENTRY2**
7 A2.3 SCALE: 1/4" = 1'-0"

**INT ELEVATION -
STUDENT GOV ENTRY**
6 A2.3 SCALE: 1/4" = 1'-0"



INT ELEVATION - ENTRY
10 A2.3 SCALE: 1/4" = 1'-0"



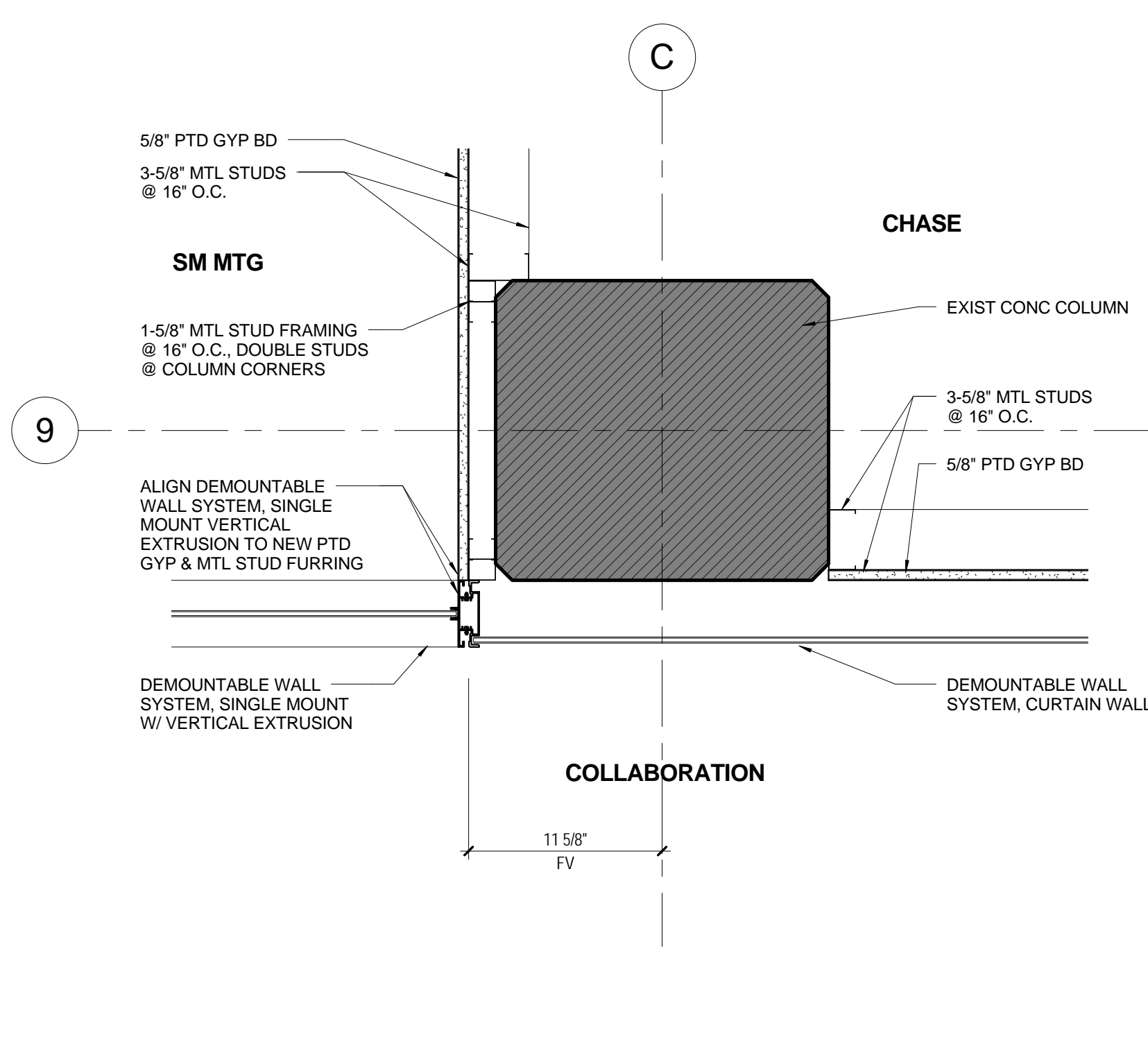
**INT ELEVATION -
SOUTH EXTERIOR WALL**
9 A2.3 SCALE: 1/4" = 1'-0"

LEGEND:

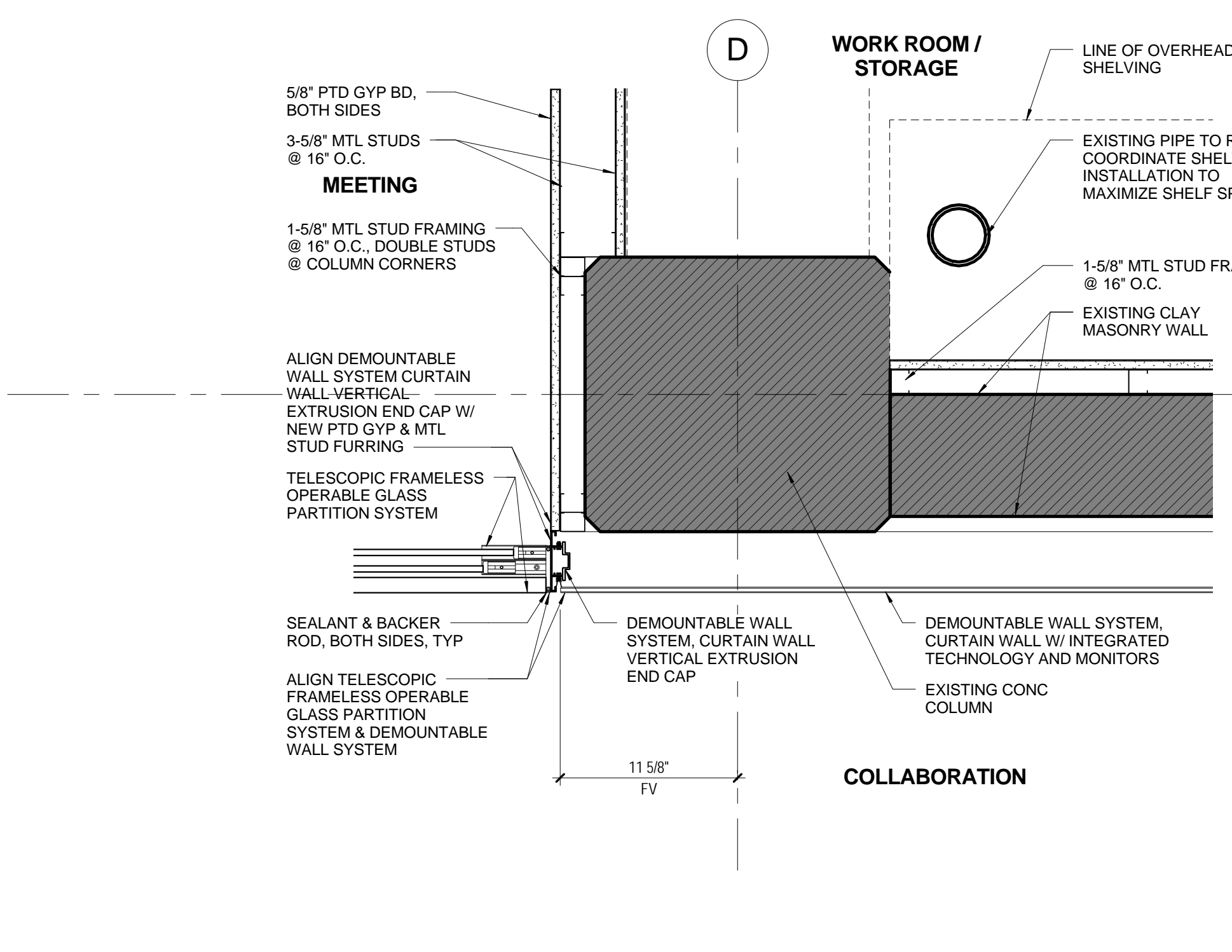
- EXISTING - NO WORK
- OPAQUE GLASS PANEL
- ETCHED GLASS PANEL

QUACKENBUSH ARCHITECTS + PLANNERS
 1217 HAMPTON | COLUMBIA, SC | 803.771.2899 | quackenbusharchitects.com
 PROJECT TITLE: **RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION**
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SC
 CORPORATE SEAL: **QUACKENBUSH ARCHITECTS + PLANNERS LLC**, Columbia, SC No. 100028
 REGISTERED ARCHITECTS
 INDIVIDUAL SEAL: **BARBARA HALLER**, Columbia, SC 6198
 REGISTERED ARCHITECT
 ISSUE DATE: 05/29/14
 PROJECT NO.: 14.150.00
 STATE PROJECT NO.: H27-2145
 REVISION: DATE
 SHEET NO: **A2.3**

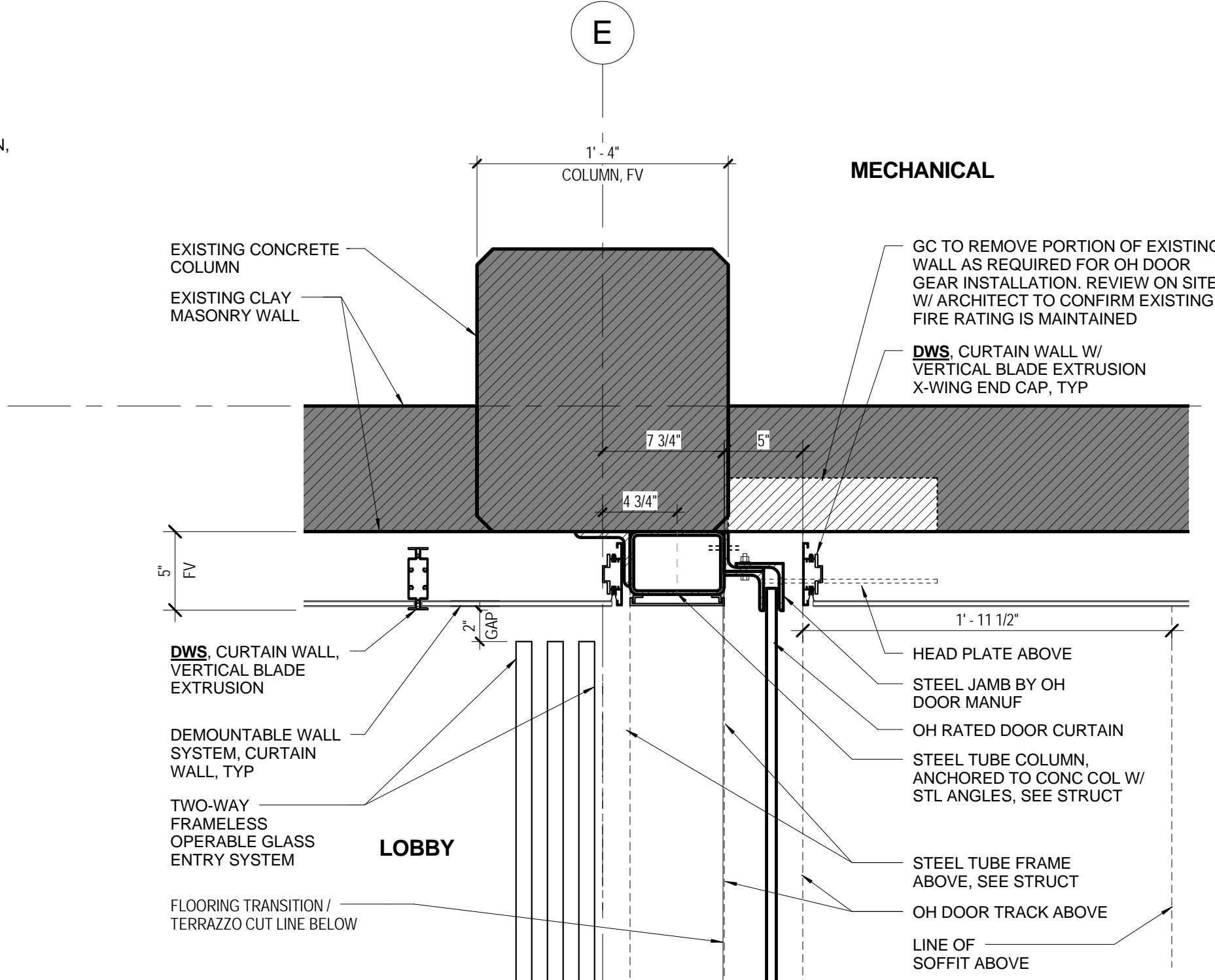
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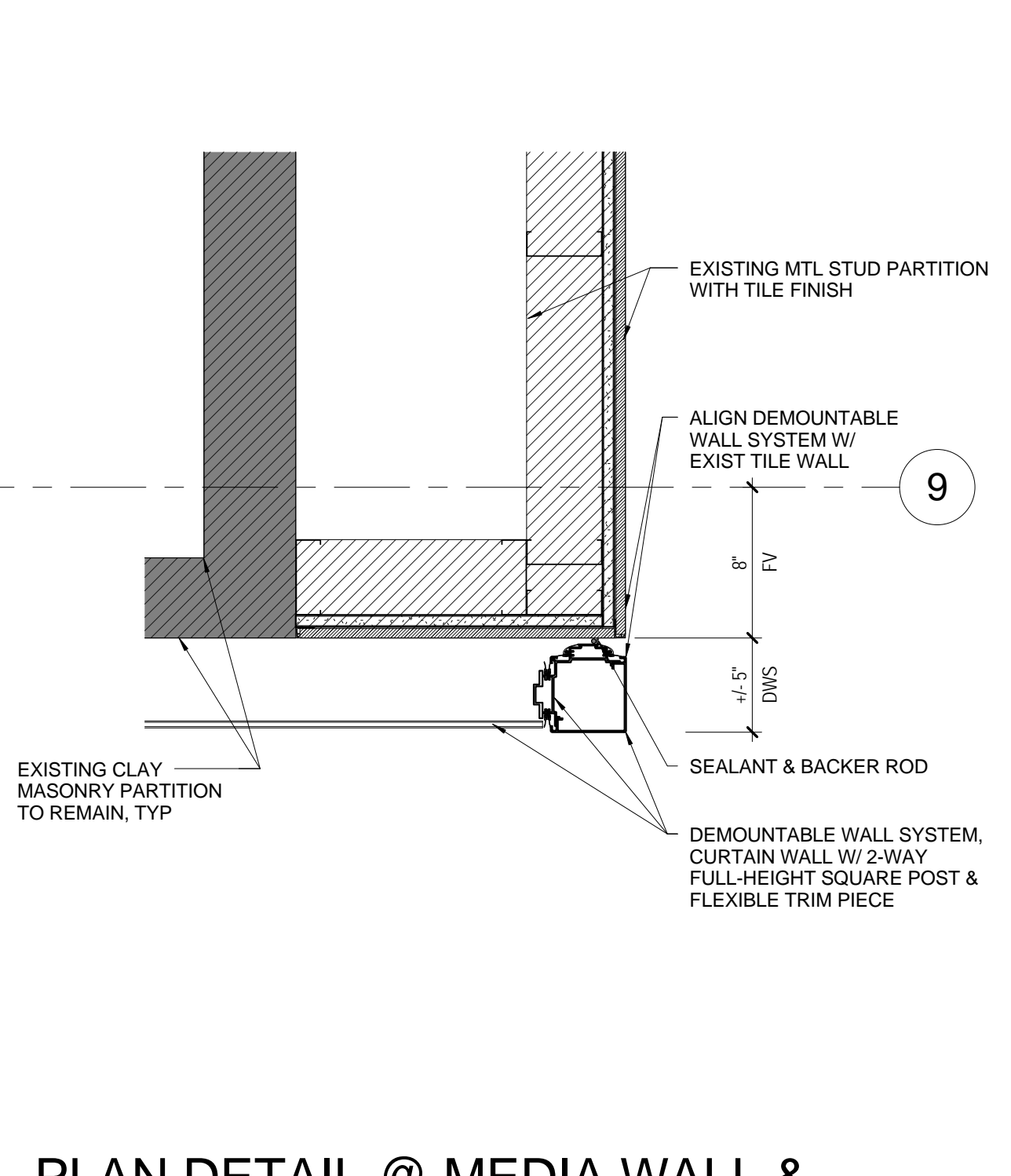
4 PLAN DETAIL @ COL C-9
SCALE: 1 1/2" = 1'-0"



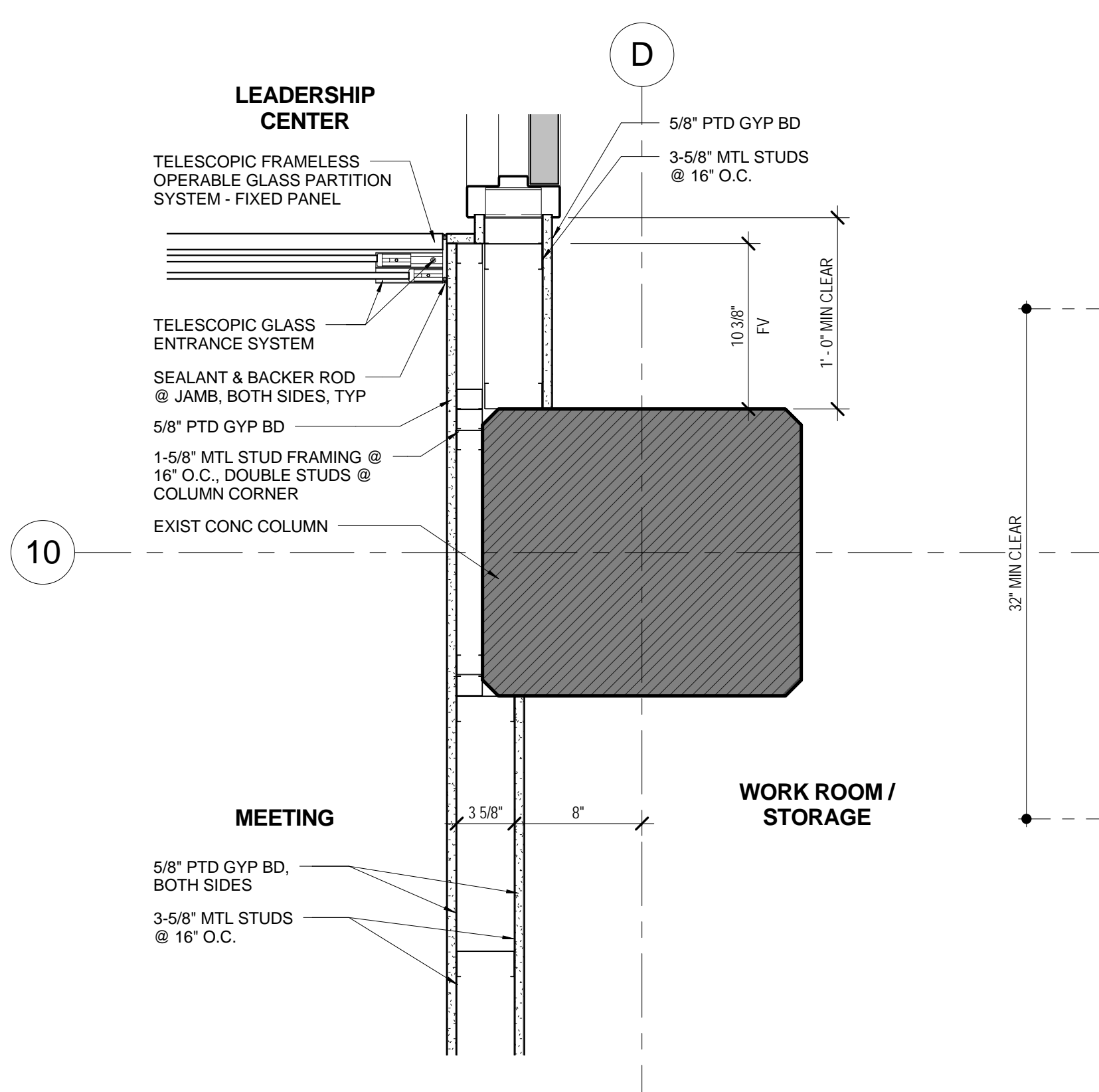
3 PLAN DETAIL @ COL D-9
SCALE: 1 1/2" = 1'-0"



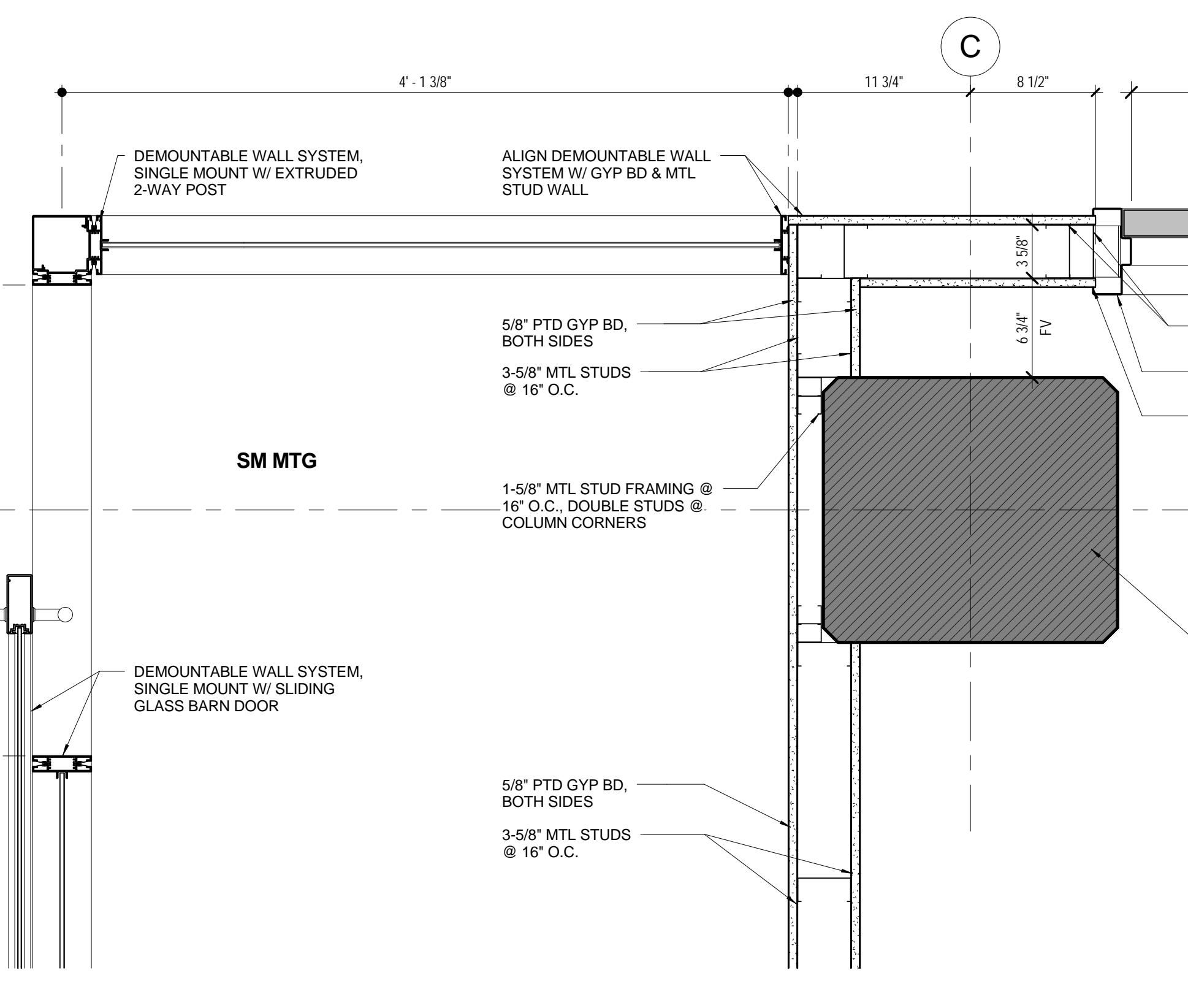
2 PLAN DETAIL @ COILING DOOR & GLASS ENTRY
SCALE: 1 1/2" = 1'-0"



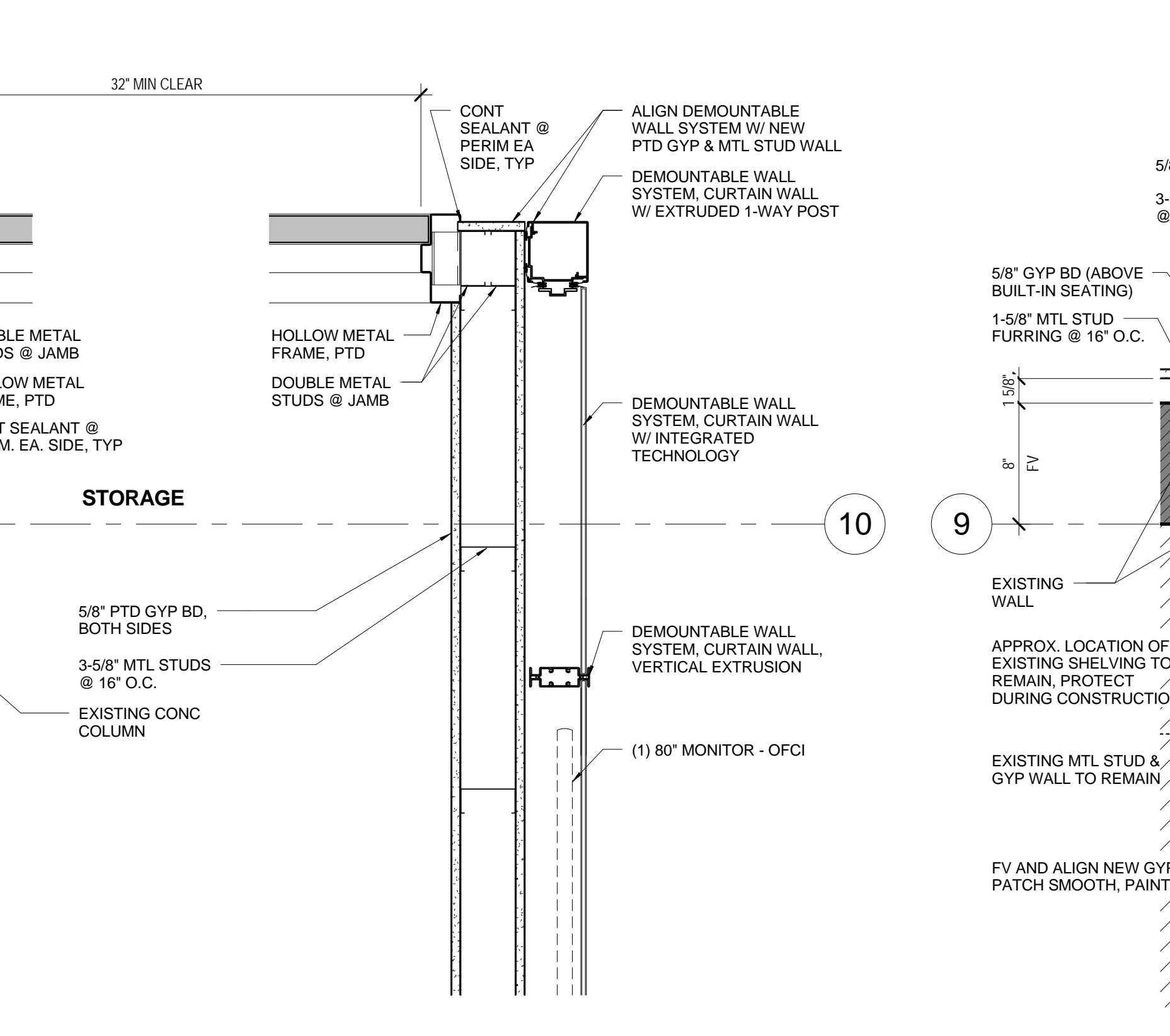
1 PLAN DETAIL @ MEDIA WALL & EXIST STONE PARTITION
SCALE: 1 1/2" = 1'-0"



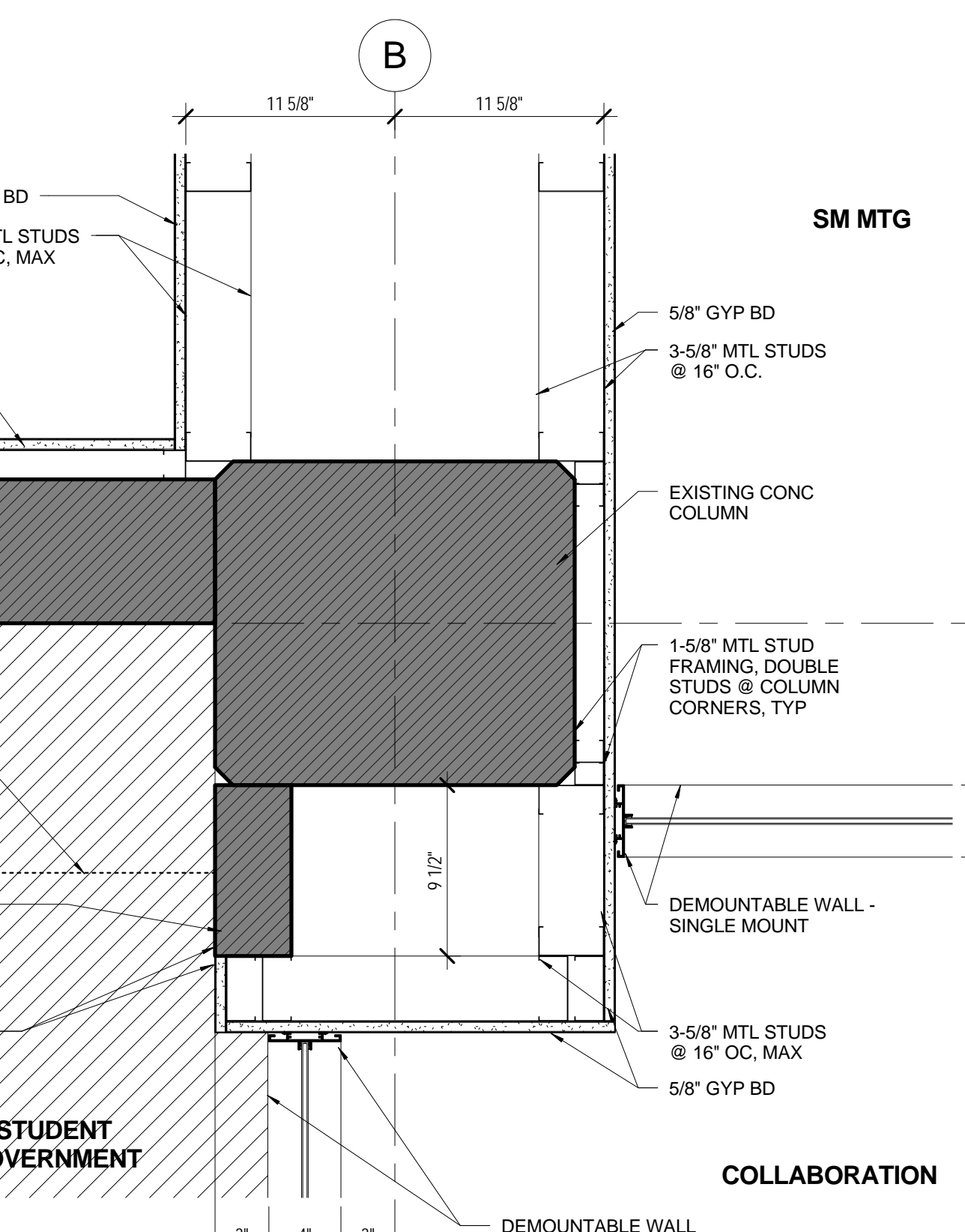
7 PLAN DETAIL @ COL D-10
SCALE: 1 1/2" = 1'-0"



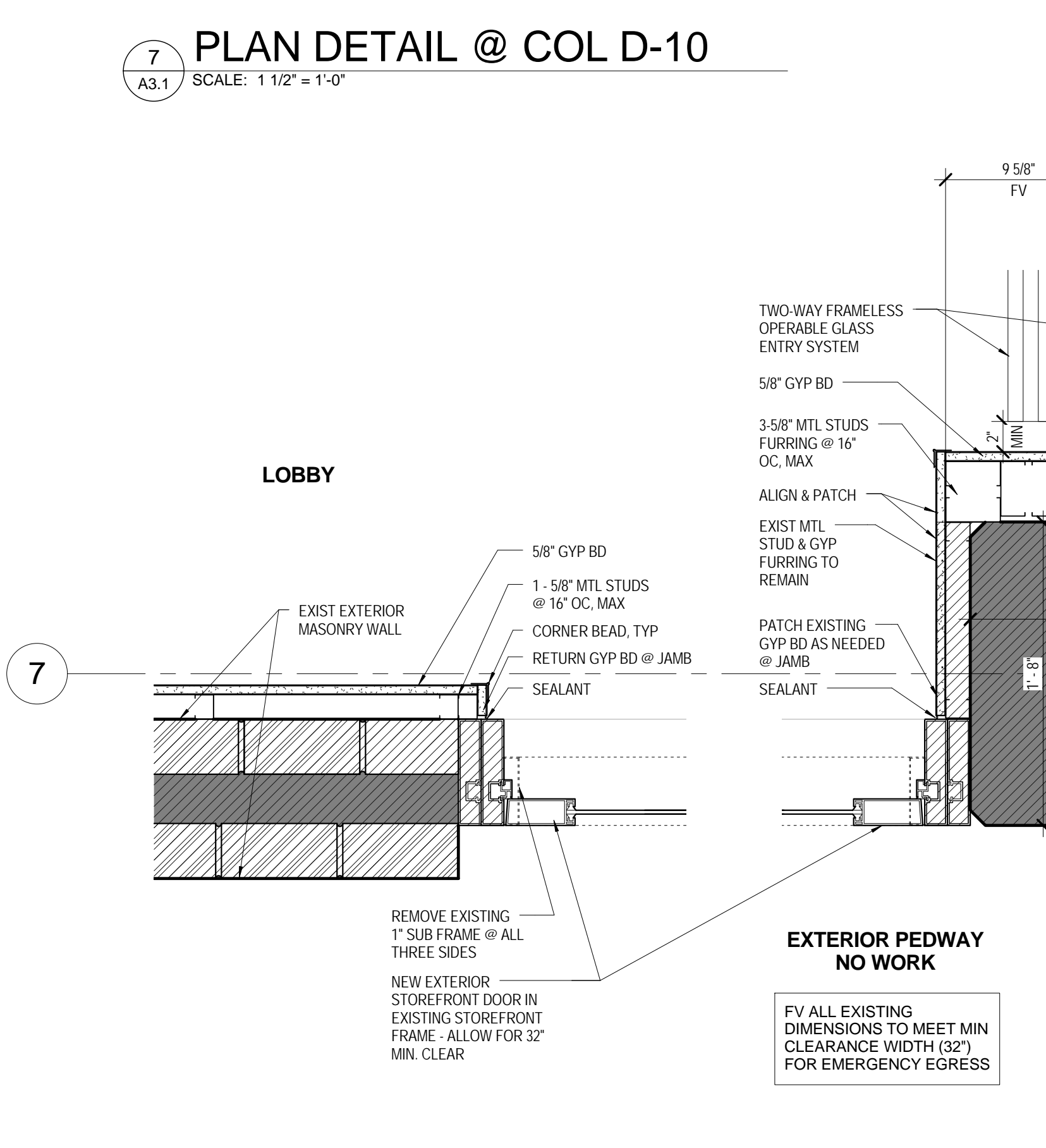
6 PLAN DETAIL @ COL C-10
SCALE: 1 1/2" = 1'-0"



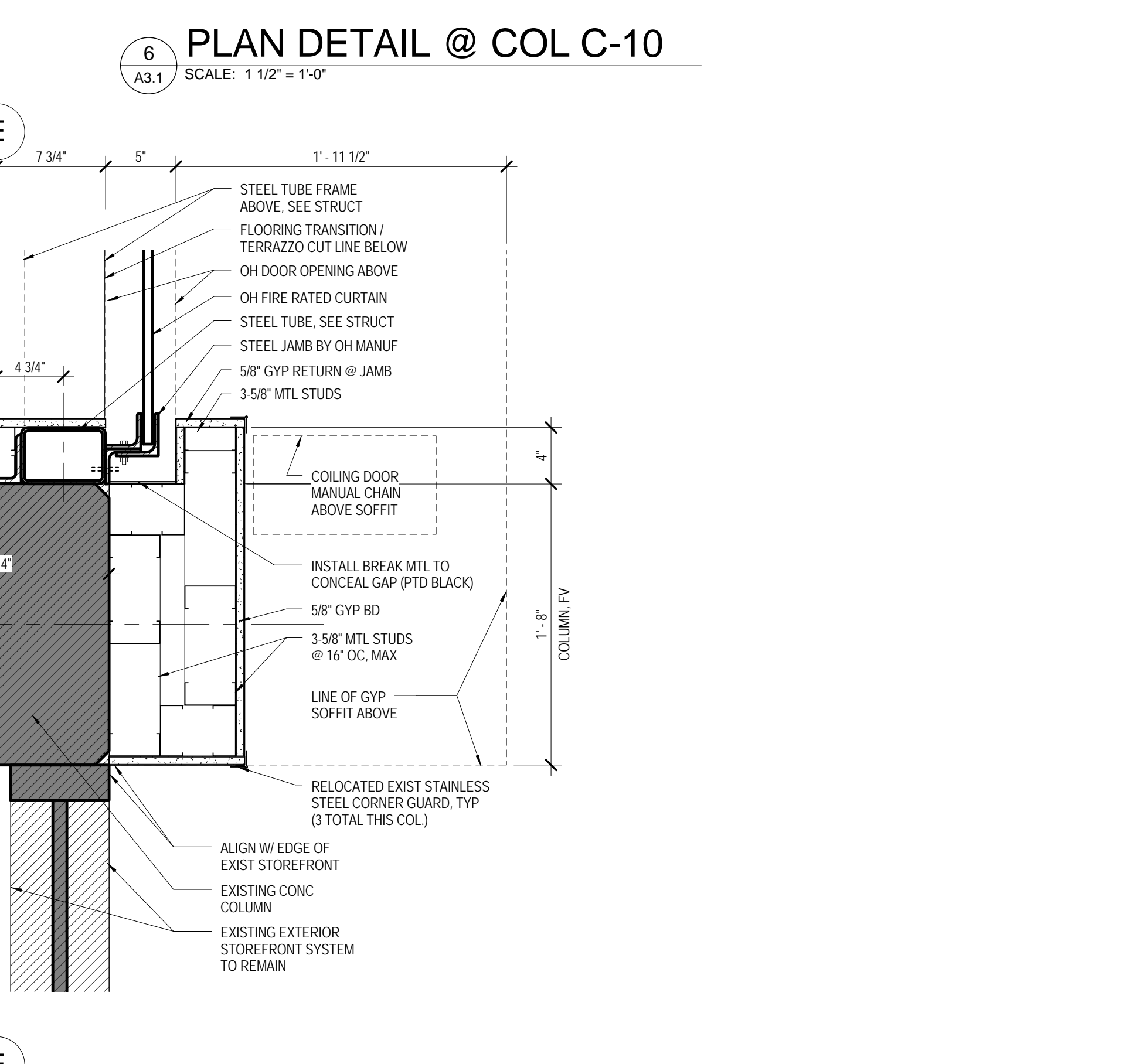
5 PLAN DETAIL @ COL B-9
SCALE: 1 1/2" = 1'-0"



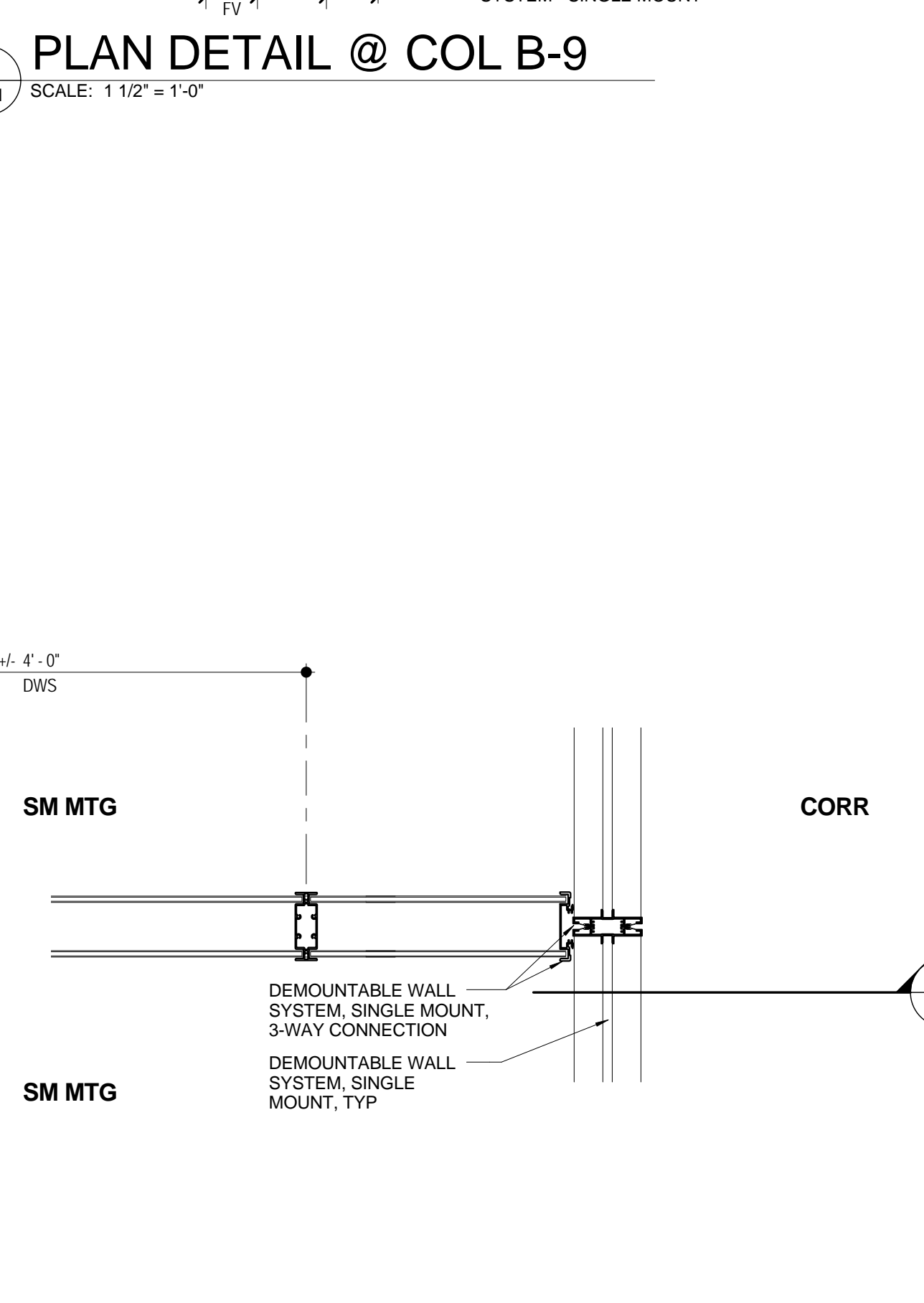
5 PLAN DETAIL @ COL B-9
SCALE: 1 1/2" = 1'-0"



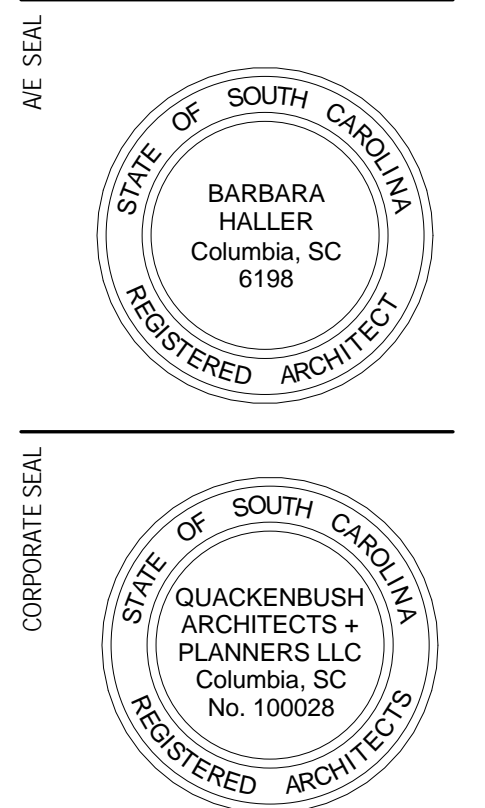
9 PLAN DETAIL @ EXIST EXTERIOR EGRESS DOOR
SCALE: 1 1/2" = 1'-0"



8 PLAN DETAIL @ SM MTG ROOMS MEDIA WALL
SCALE: 1 1/2" = 1'-0"

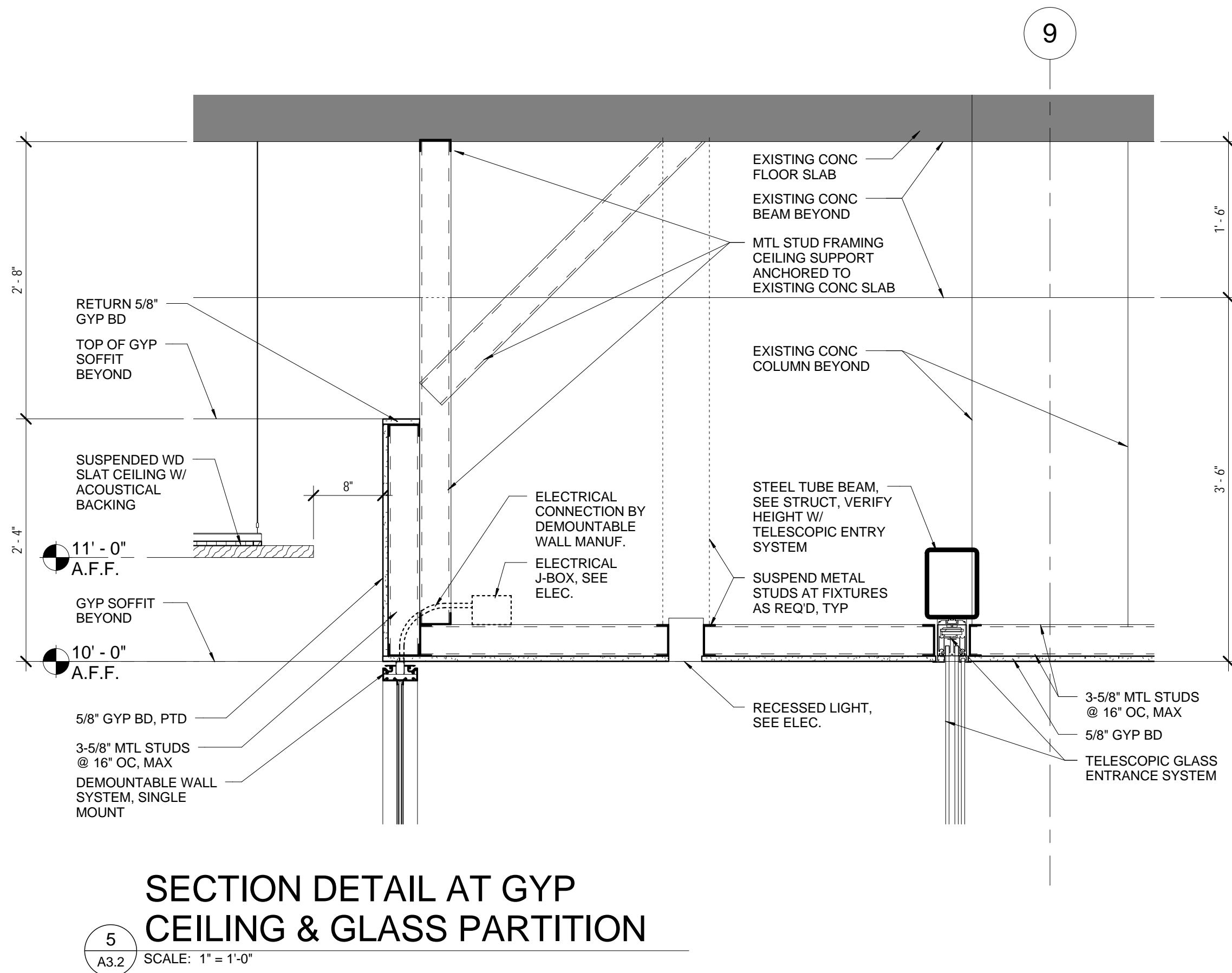


8 PLAN DETAIL @ SM MTG ROOMS MEDIA WALL
SCALE: 1 1/2" = 1'-0"



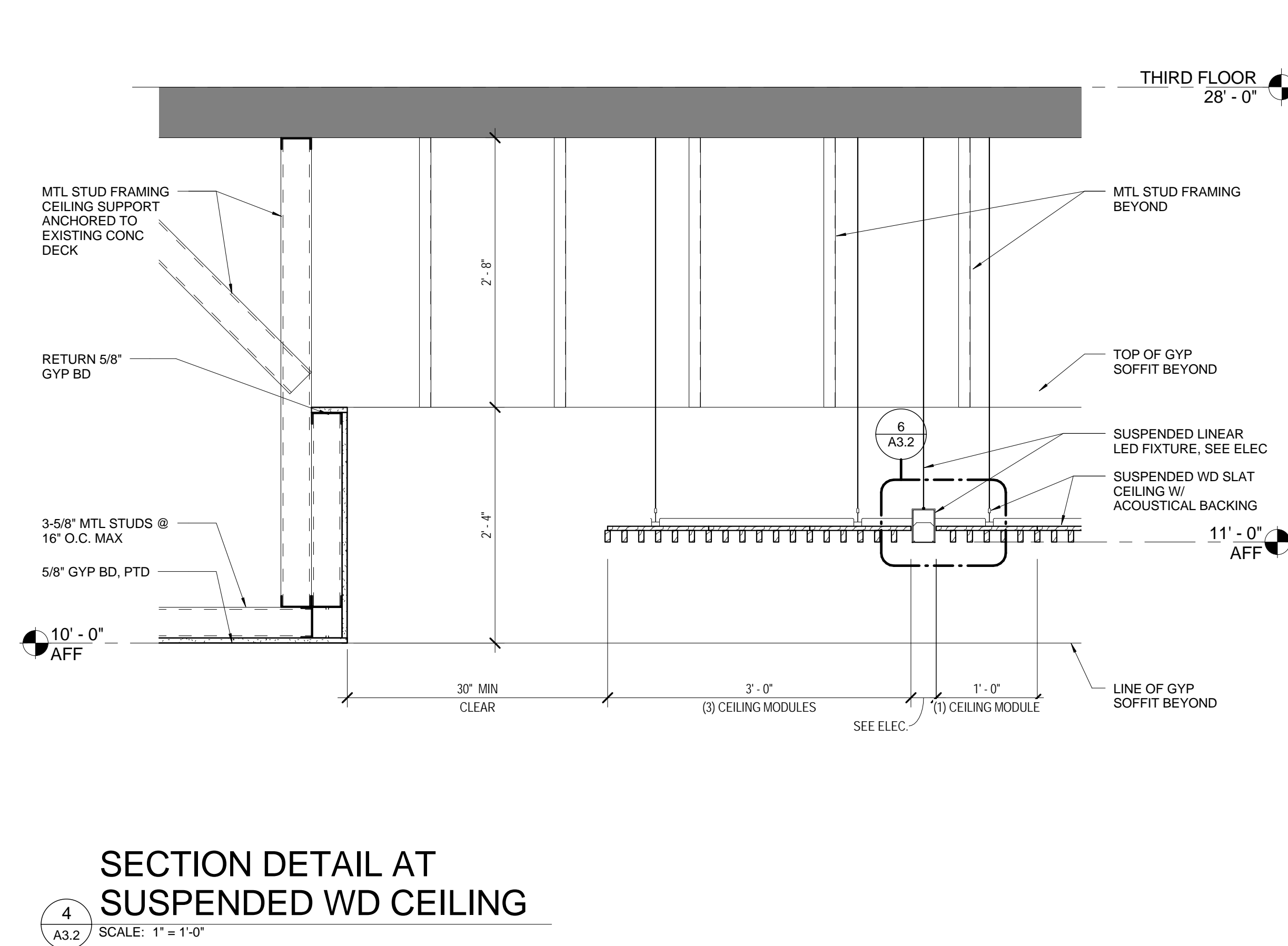
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PROJECT NO.	14.150.00	STATE PROJECT NO.	H27-2145
REVISION	DATE		



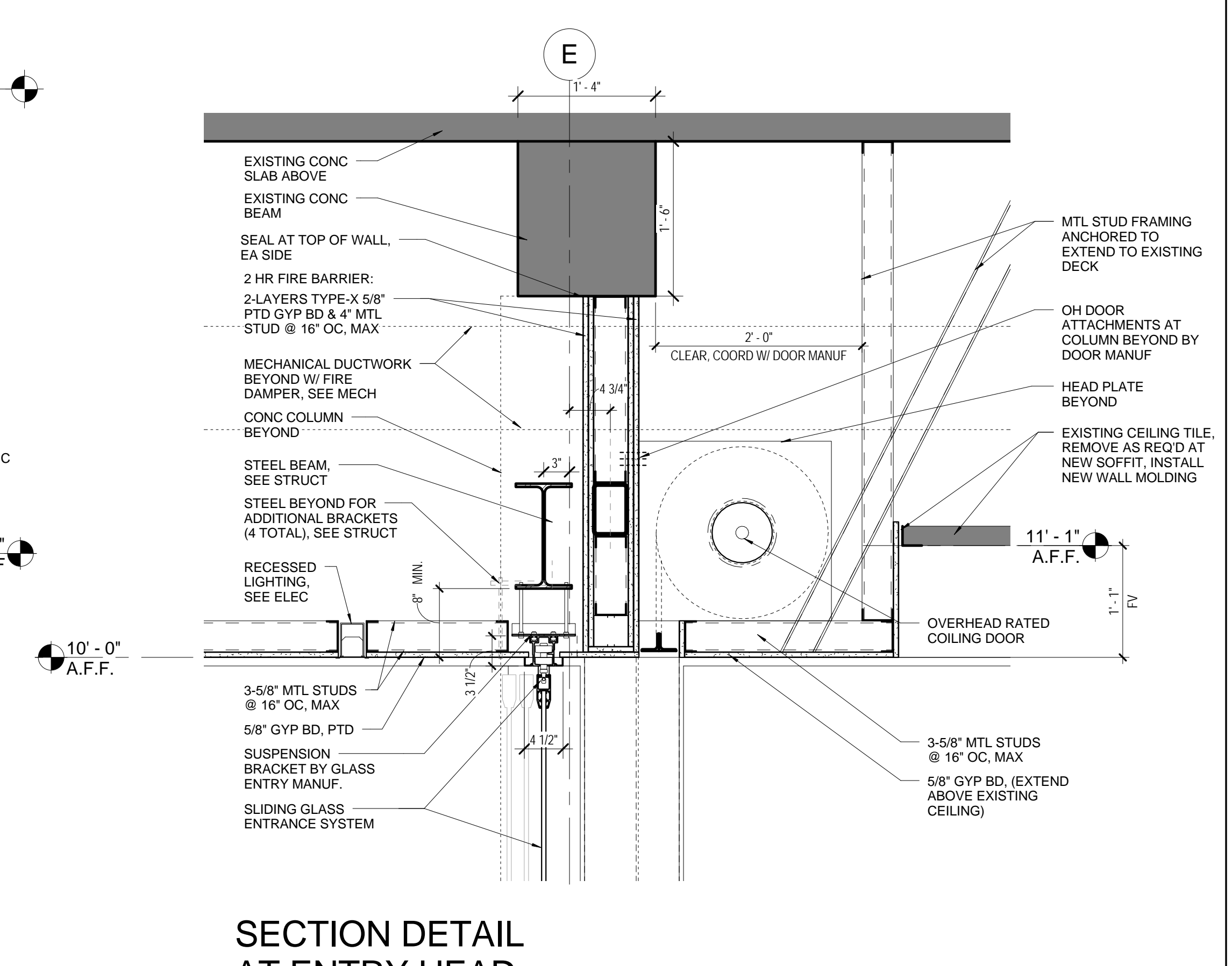
SECTION DETAIL AT GYP CEILING & GLASS PARTITION

5 A3.2 SCALE: 1" = 1'-0"



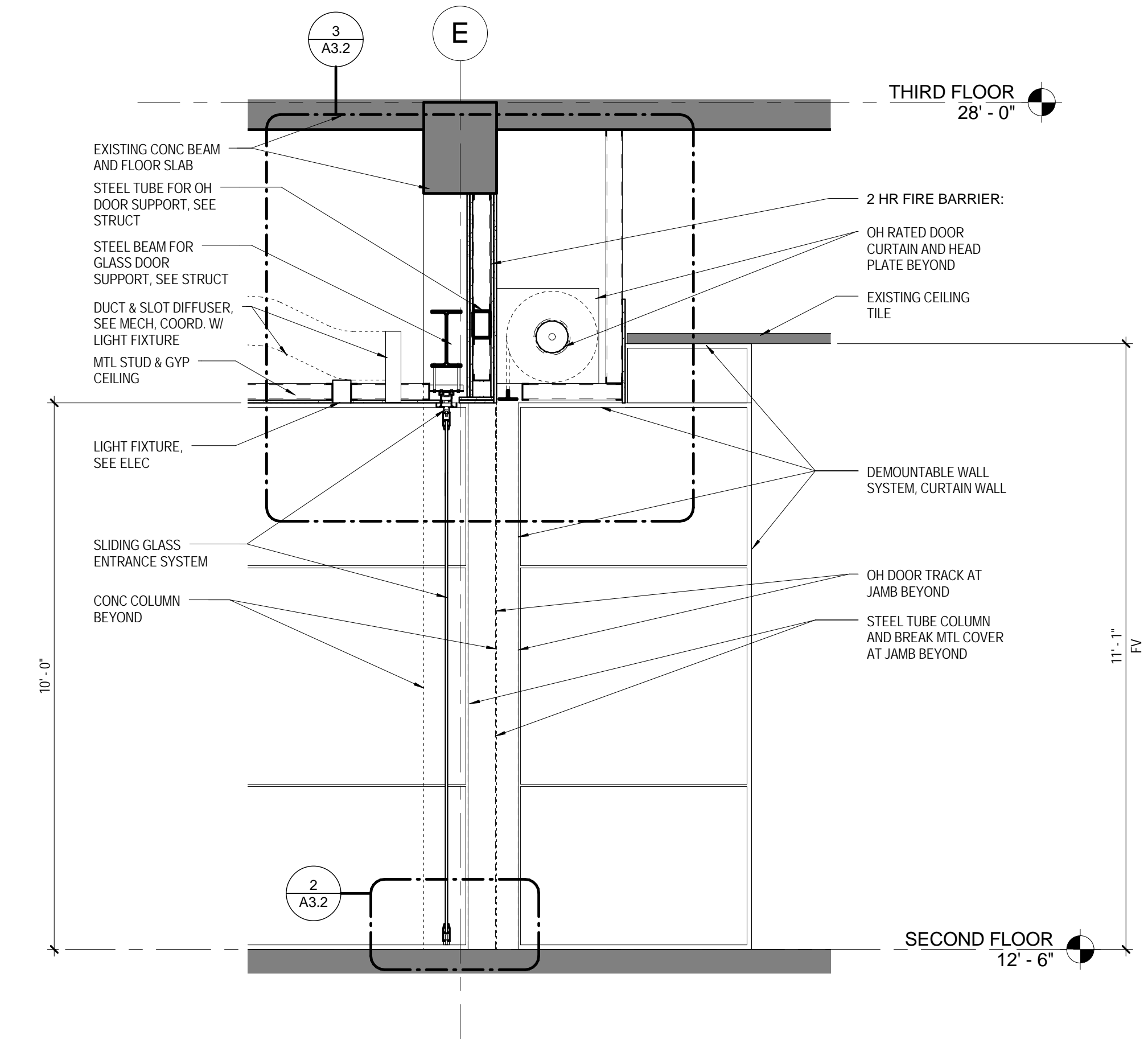
SECTION DETAIL AT SUSPENDED WD CEILING

4 A3.2 SCALE: 1" = 1'-0"



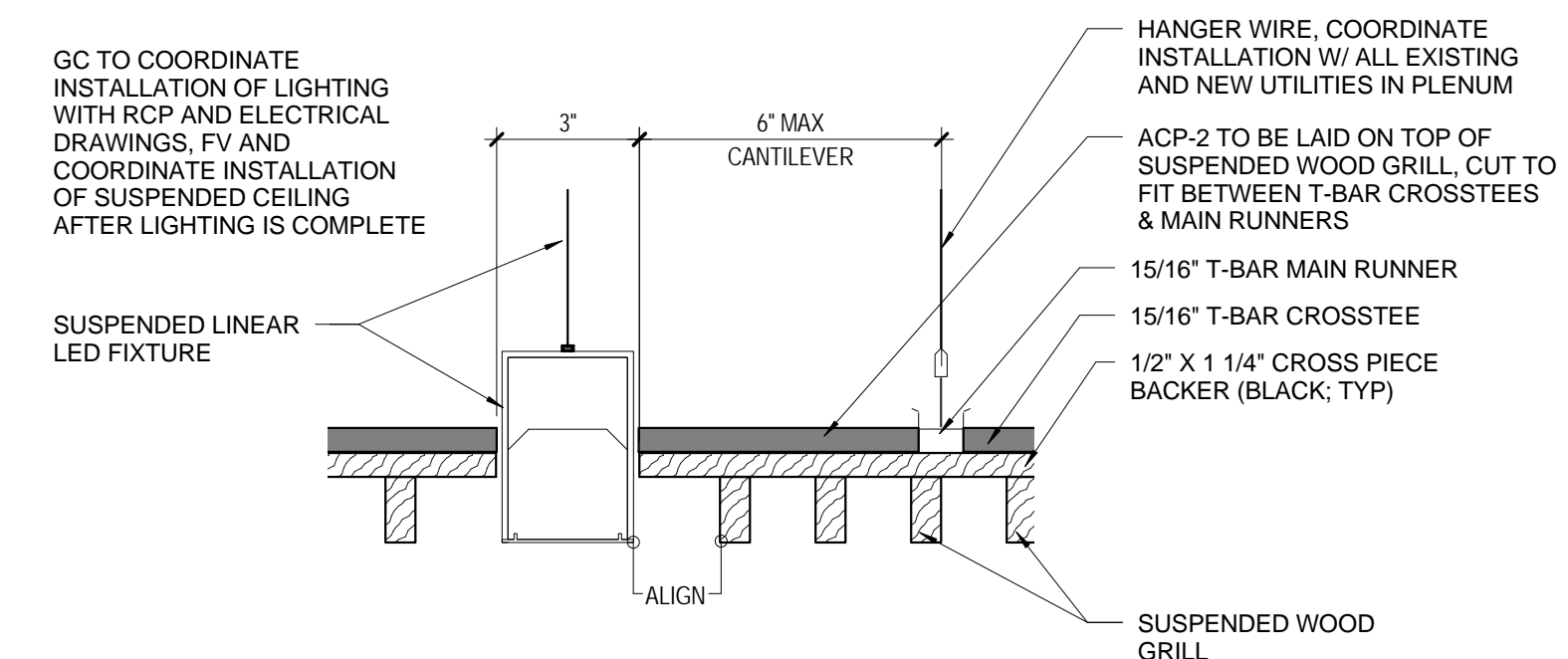
SECTION DETAIL AT ENTRY HEAD

3 A3.2 SCALE: 1" = 1'-0"



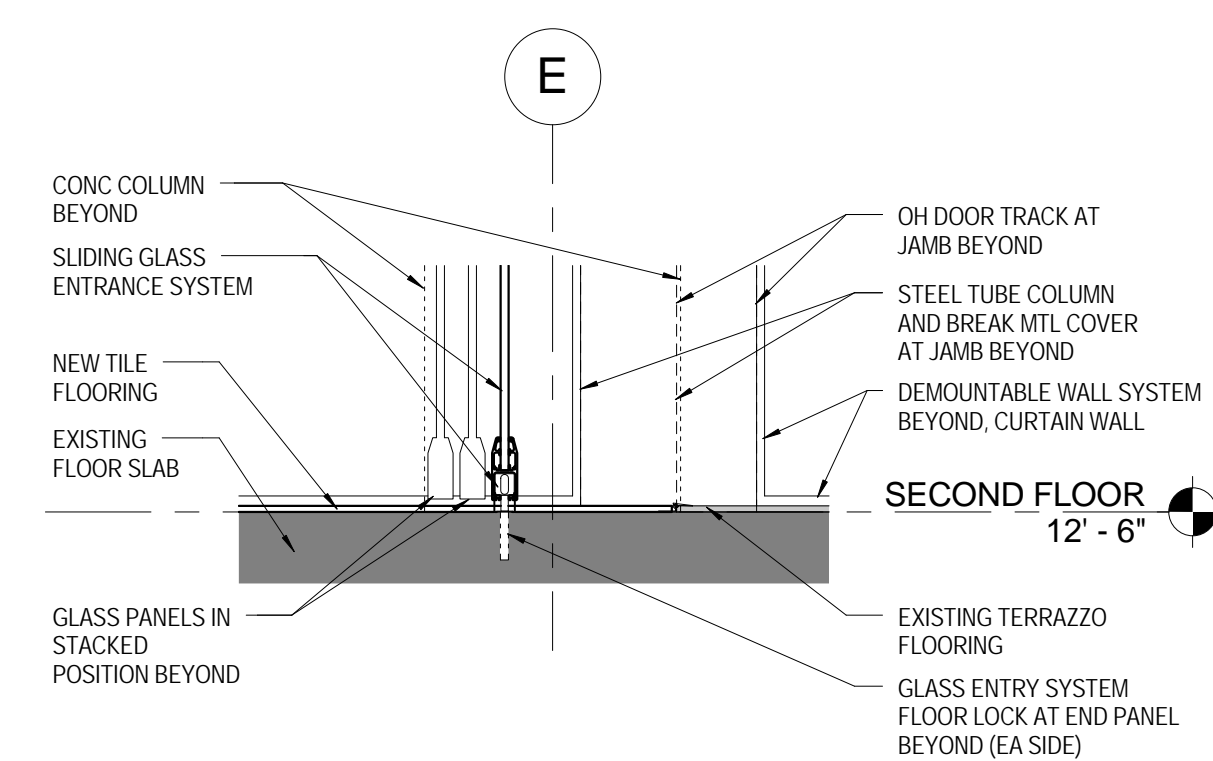
1 WALL SECTION AT ENTRY

A3.2 SCALE: 1/2" = 1'-0"



SECTION DETAIL @ SUSPENDED LIGHT & ACOUSTICAL WD CEILING

6 A3.2 SCALE: 3" = 1'-0"



SECTION DETAIL AT ENTRY SILL

2 A3.2 SCALE: 1" = 1'-0"

QUACKENBUSH ARCHITECTS + PLANNERS
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CORPORATE SEAL
STATE OF SOUTH CAROLINA
BARBARA HALLER
Columbia, SC 6198
REGISTERED ARCHITECT

CORPORATE SEAL
STATE OF SOUTH CAROLINA
QUACKENBUSH ARCHITECTS + PLANNERS, LLC
Columbia, SC No. 100028
REGISTERED ARCHITECTS

PROJECT TITLE
RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC

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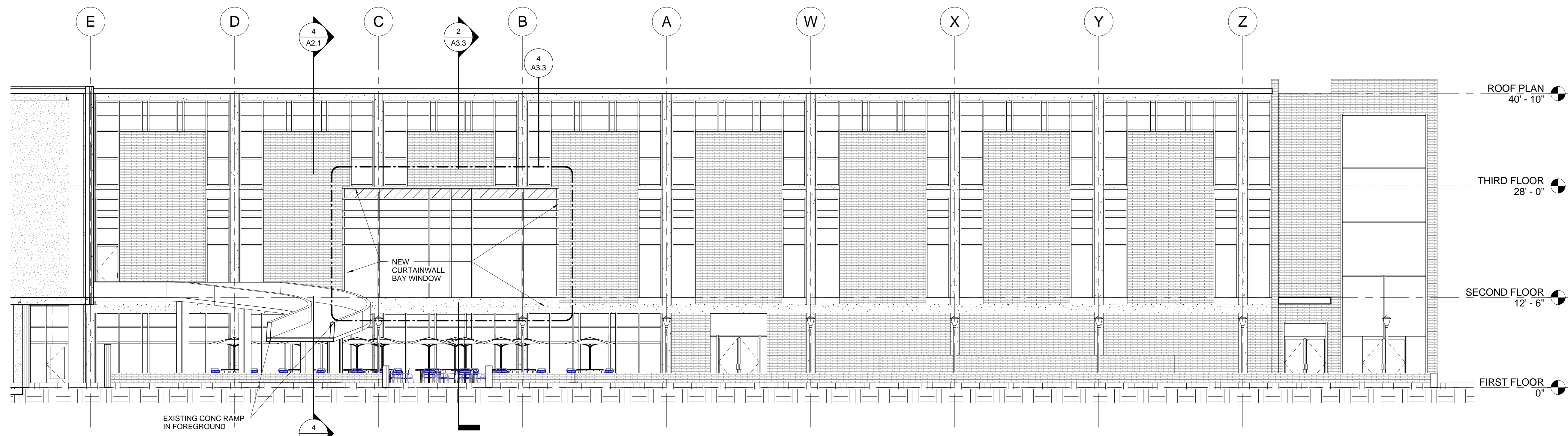
PHASE
BID SET

ISSUE DATE 05/29/14
PROJECT NO. 14.150.00
STATE PROJECT NO. H27-2145

REVISION DATE

TITLE
INTERIOR SECTIONS DETAILS

SHEET NO. **A3.2**



1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

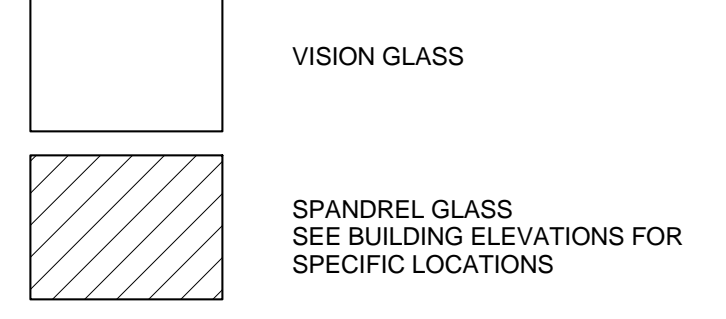
GENERAL GLASS NOTES

- A) ALL EXTERIOR CURTAIN WALL SYSTEMS SHALL RECEIVE TYPE IG2 INSULATED GLASS UNLESS NOTED OTHERWISE
- B) EXTERIOR DOOR SHALL RECEIVE TYPE IG3 INSULATED GLASS UNLESS NOTED OTHERWISE

INSULATED-GLASS UNITS

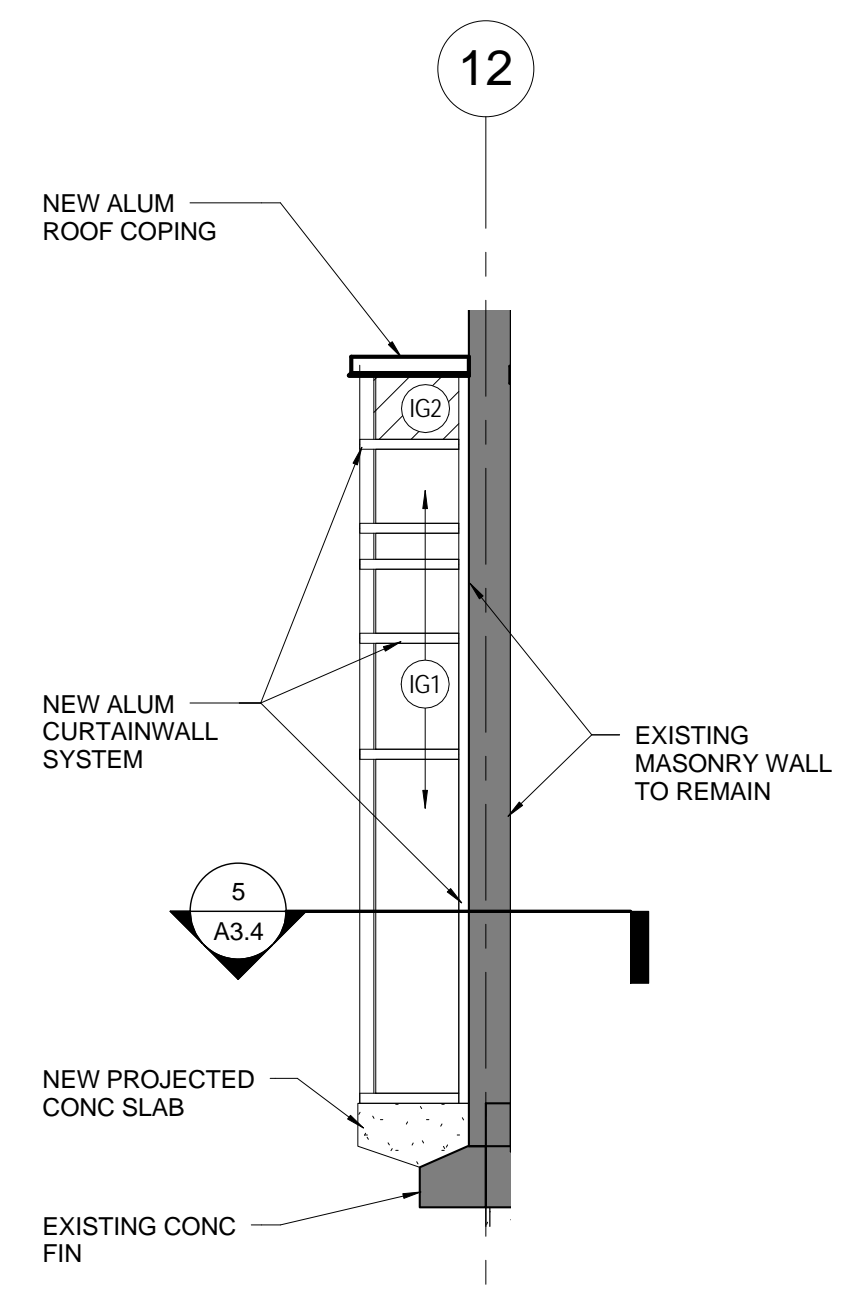
- (IG1) 1-INCH INSULATED GLASS, LOW-E, FULLY TEMPERED
- (IG2) 1-INCH INSULATED GLASS, LOW-E, FULLY TEMPERED, SILICONE-COATED SPANDREL

GLASS LEGEND

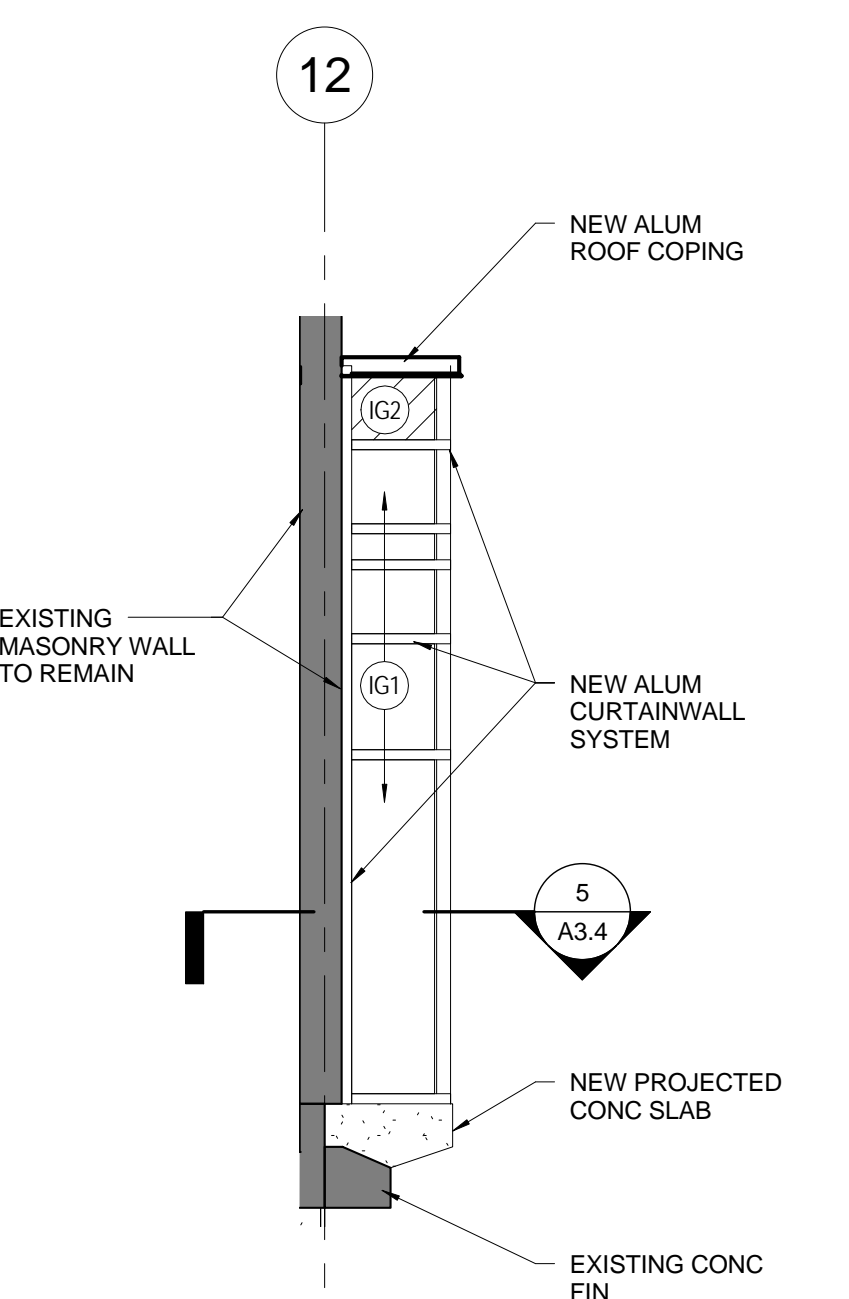


GENERAL WINDOW / CURTAINWALL NOTES:

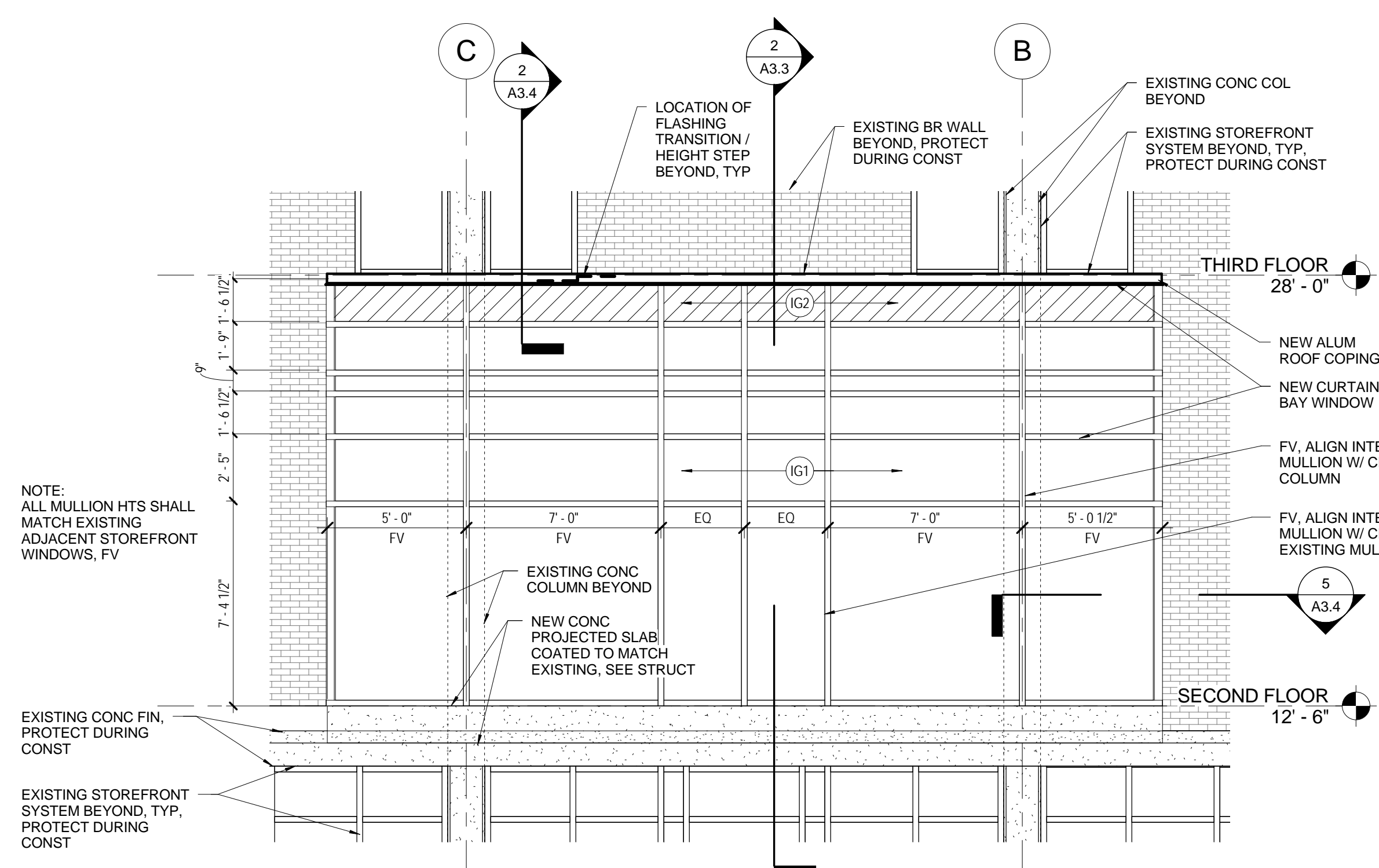
- A) ALL NEW CONSTRUCTION WORK AT WINDOW INCLUDING CONCRETE SLAB, STEEL FOR ROOF SUPPORT, ROOFING AND CURTAINWALL SHALL BE SCHEDULED TO OCCUR IN AS SHORT OF TIME FRAME AS POSSIBLE. SCHEDULING OF THIS WORK SHALL BE COORDINATED WITH ARCHITECT AND OWNER FOR APPROVAL.
- B) EXISTING BRICK PAVERS SHALL BE PROTECTED DURING DEMOLITION AND NEW CONSTRUCTION. ANY RESULTING DAMAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. OWNER SHALL REMOVE ALL EXTERIOR FURNITURE FROM WORK ZONE.
- C) COLOR OF NEW CURTAINWALL SHALL MATCH EXISTING ADJACENT STOREFRONT. COLOR OF ALUMINUM ROOF COPING SHALL MATCH COLOR OF CURTAINWALL/STOREFRONT.
- D) CURTAIN WALL FRAMING SHALL BE ANCHORED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. PROVIDE ADDITIONAL BEARING PLATES AND CONNECTIONS WITH FINISHED TRIM AS REQUIRED TO ANCHOR CURTAIN WALL TO METAL STUD FRAMING PER CURTAINWALL ENGINEERED DRAWINGS.
- E) CURTAINWALL SIZES ARE DIAGRAMMATIC. ANY CHANGES IN SIZES REQUIRED BY ENGINEERED SHOP DRAWINGS AND CALCULATIONS SHALL BE AT NO ADDITIONAL COST TO THE PROJECT. ANY ADDITIONAL MULLIONS REQUIRED DUE TO WEIGHT OF IMPACT RESISTANT GLAZING SHALL BE APPROVED BY THE ARCHITECT AND SHALL BE AT NO ADDITIONAL COST TO THE PROJECT. ANY REINFORCING STEEL REQUIRED INSIDE THE CURTAINWALL TO MEET WIND LOADS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE PROJECT.



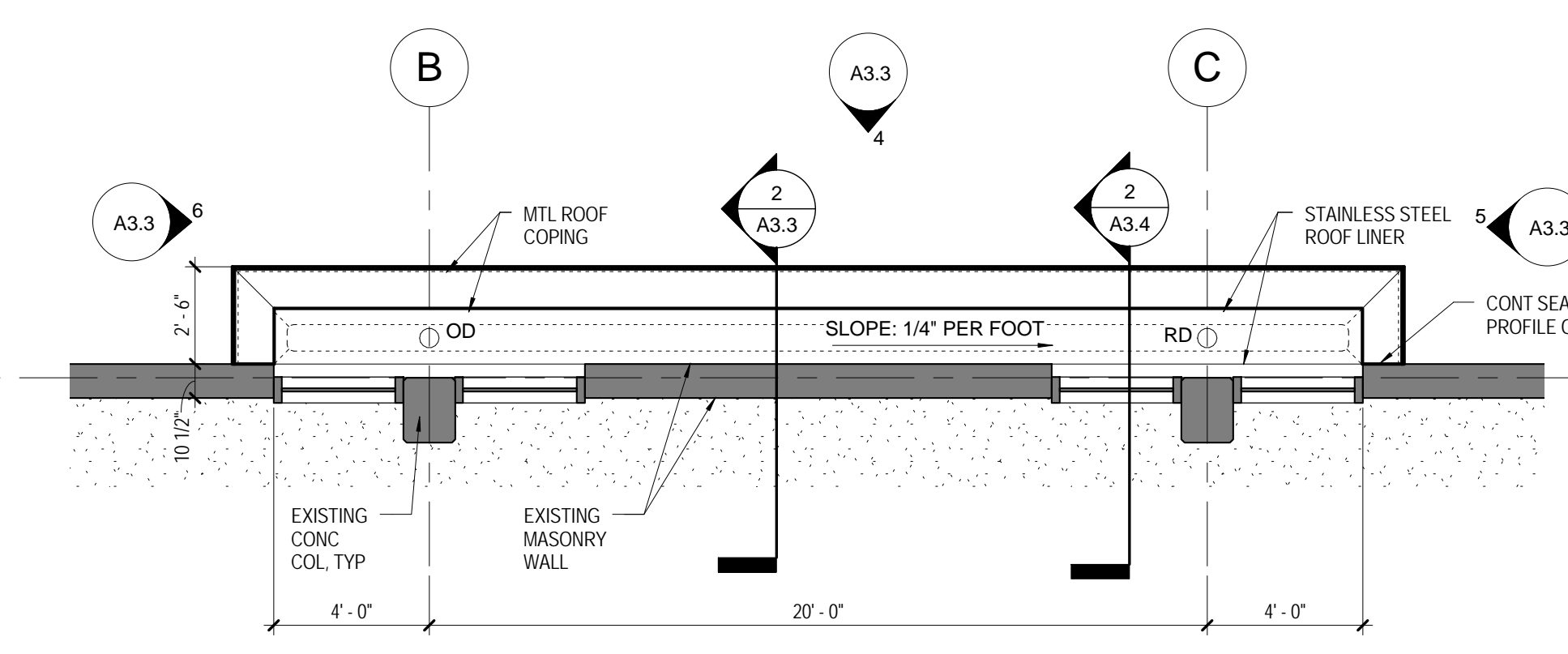
6 NORTH ELEVATION @ BAY WINDOW
SCALE: 1/4" = 1'-0"



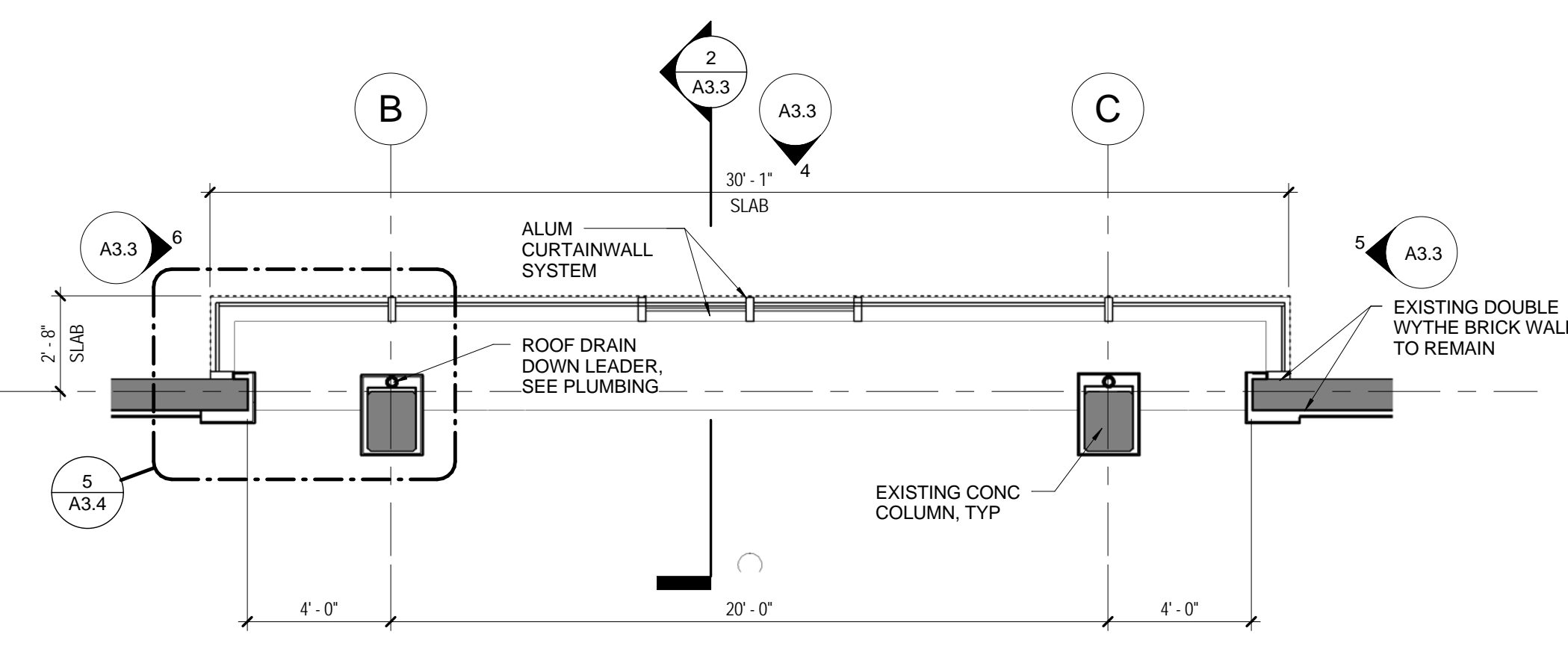
5 SOUTH ELEVATION @ BAY WINDOW
SCALE: 1/4" = 1'-0"



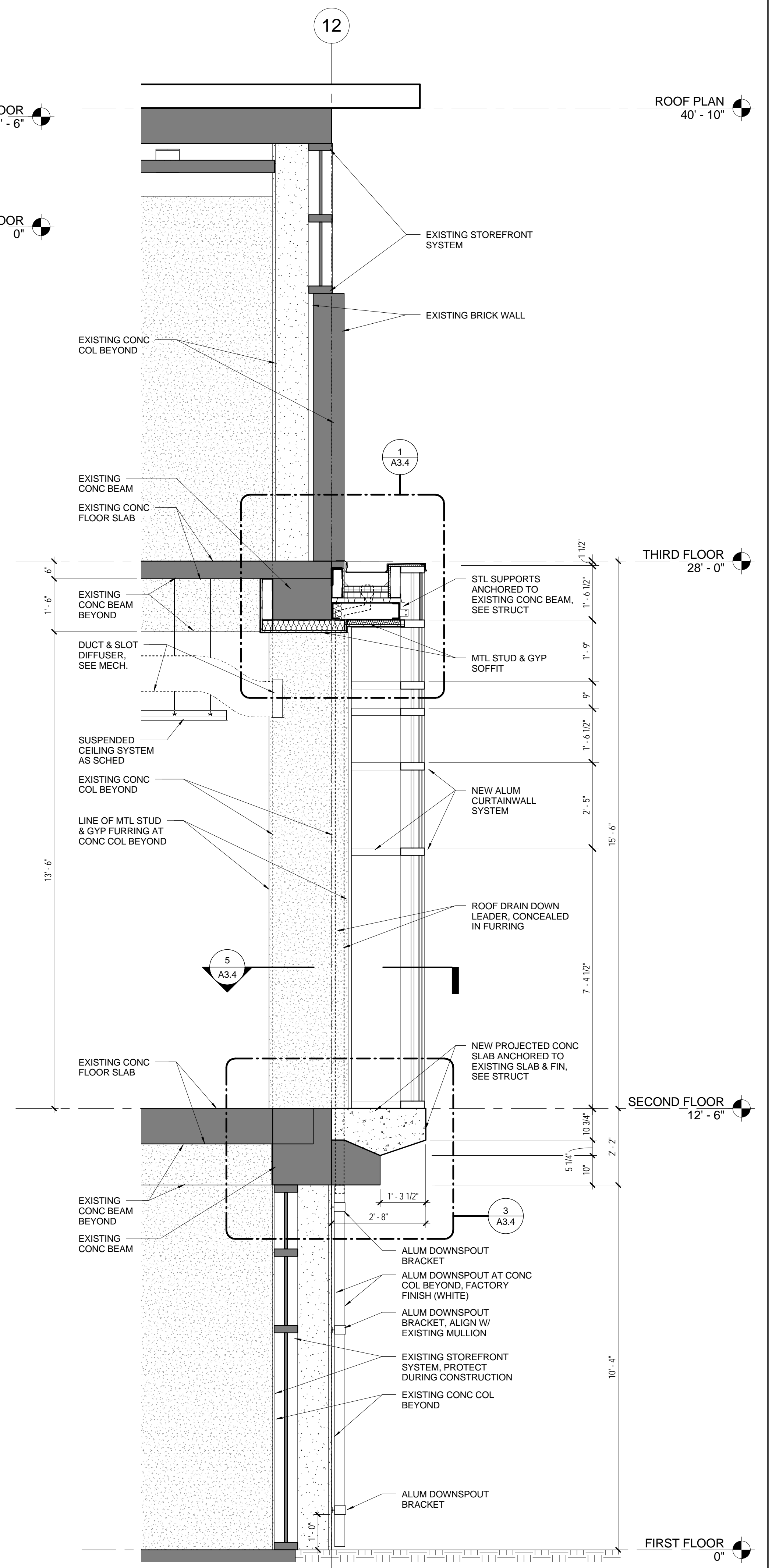
4 WEST ELEVATION @ BAY WINDOW
SCALE: 1/4" = 1'-0"



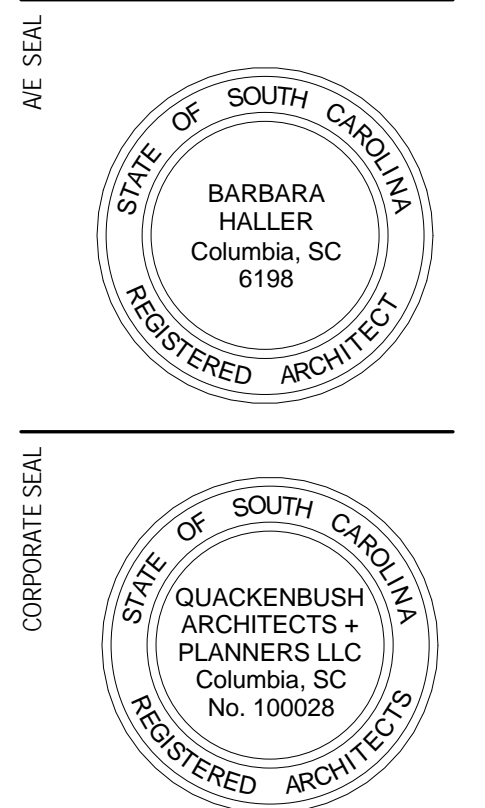
7 BAY WINDOW ROOF PLAN
SCALE: 1/4" = 1'-0"



3 BAY WINDOW PLAN
SCALE: 1/4" = 1'-0"



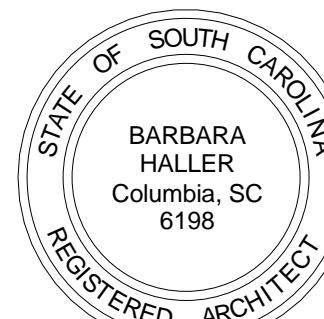
2 SECTION AT NEW BAY WINDOW
SCALE: 1/2" = 1'-0"



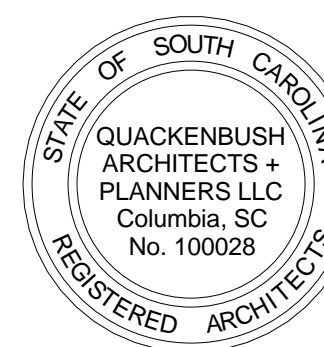
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PHASE	BID SET
ISSUE DATE	05/29/14
PROJECT NO.	14.150.00
STATE PROJECT NO.	H27-2145
REVISION	DATE

AVE SEAL



CORPORATE SEAL



PROJECT TITLE

RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SC

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PHASE
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ISSUE DATE 05/29/14
 PROJECT NO. 14.150.00
 STATE PROJECT NO. 427-2145

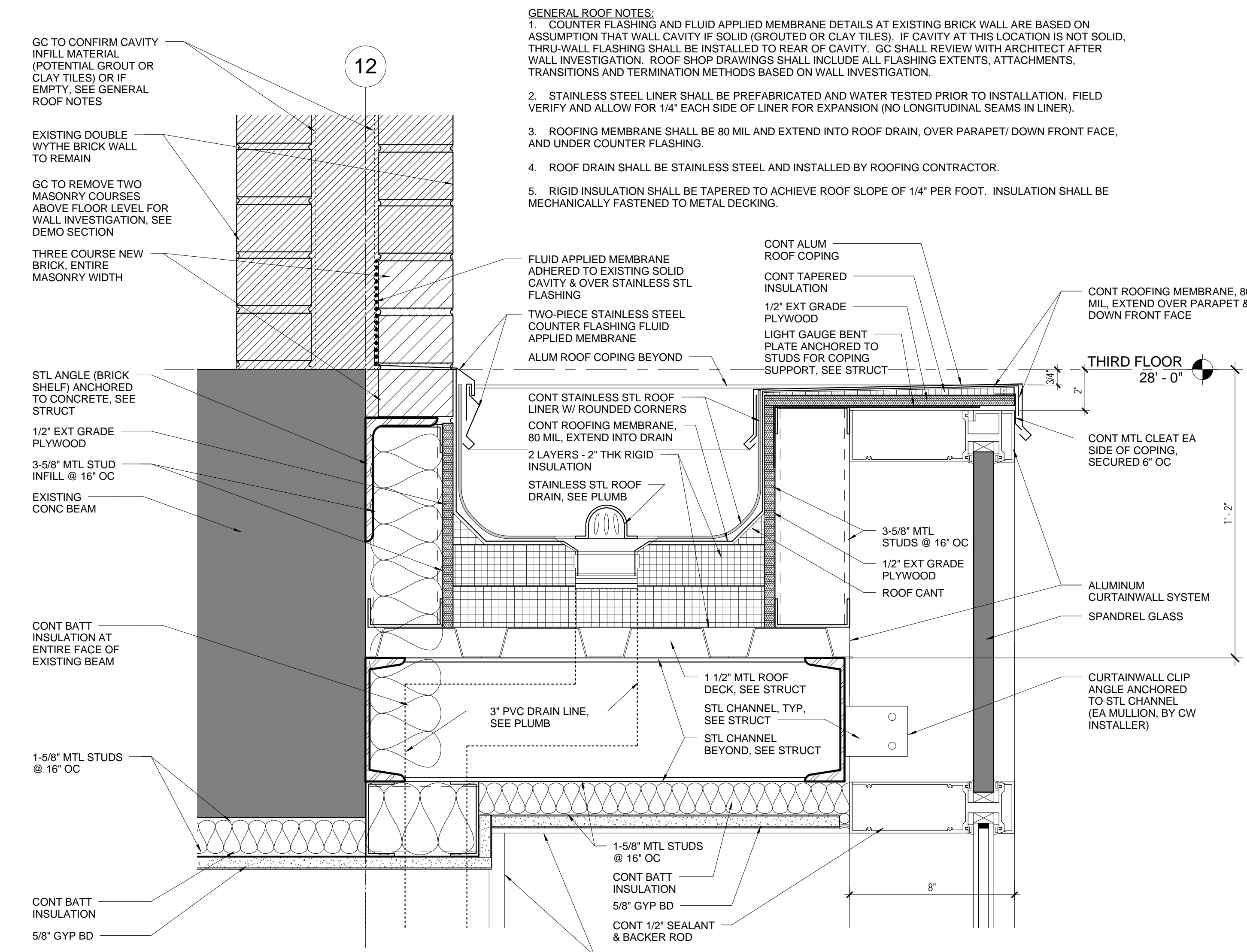
REVISION DATE

TITLE
 BAY WINDOW DETAILS

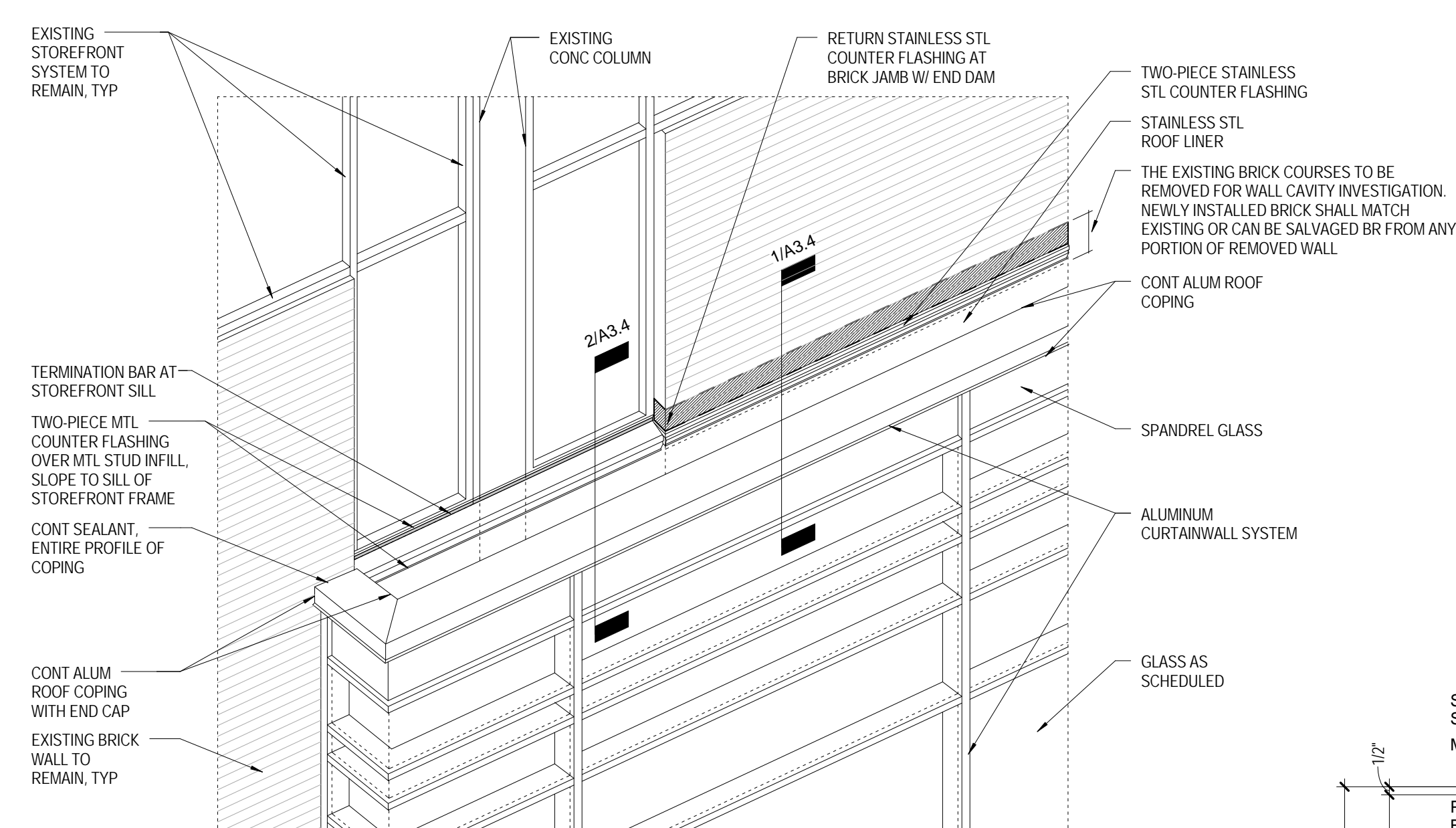
SHEET NO.

A3.4

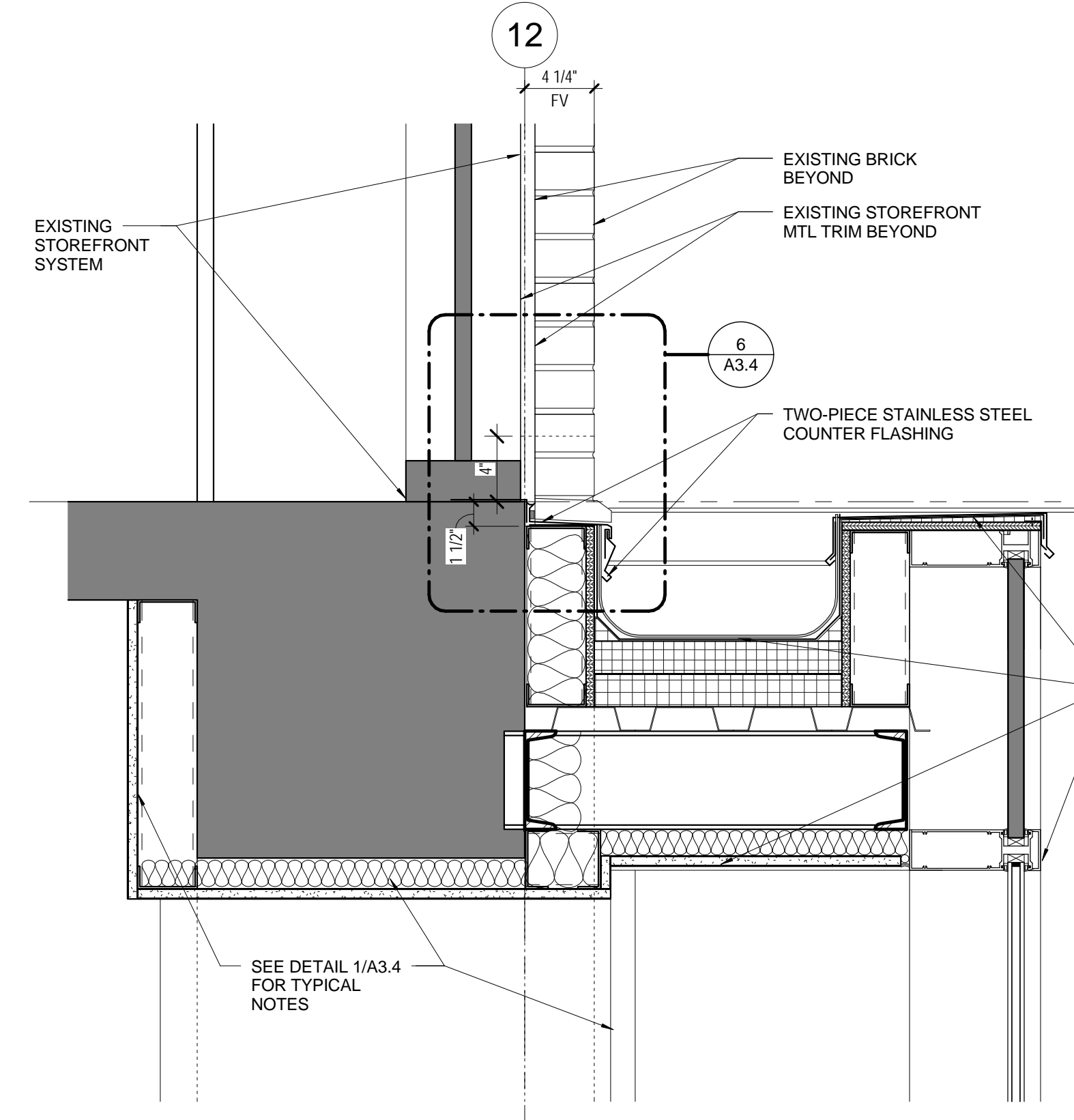
GENERAL ROOF NOTES:
 1. COUNTER FLASHING AND FLUID APPLIED MEMBRANE DETAILS AT EXISTING BRICK WALL ARE BASED ON ASSUMPTION THAT WALL CAVITY IS SOLID (GROUTED OR CLAY TILES). IF CAVITY AT THIS LOCATION IS NOT SOLID, THRU-WALL FLASHING SHALL BE INSTALLED TO REAR OF CAVITY. GC SHALL REVIEW WITH ARCHITECT AFTER WALL INVESTIGATION. ROOF SHOP DRAWINGS SHALL INCLUDE ALL FLASHING EXTENTS, ATTACHMENTS, TRANSITIONS AND TERMINATION METHODS BASED ON WALL INVESTIGATION.
 2. STAINLESS STEEL LINER SHALL BE PREFABRICATED AND WATER TESTED PRIOR TO INSTALLATION. FIELD VERIFY AND ALLOW FOR 1/4" EACH SIDE OF LINER FOR EXPANSION (NO LONGITUDINAL SEAMS IN LINER).
 3. ROOFING MEMBRANE SHALL BE 80 MIL AND EXTEND INTO ROOF DRAIN, OVER PARAPET/DOWN FRONT FACE, AND UNDER COUNTER FLASHING.
 4. ROOF DRAIN SHALL BE STAINLESS STEEL AND INSTALLED BY ROOFING CONTRACTOR.
 5. RIGID INSULATION SHALL BE TAPERED TO ACHIEVE ROOF SLOPE OF 1/4" PER FOOT. INSULATION SHALL BE MECHANICALLY FASTENED TO METAL DECKING.



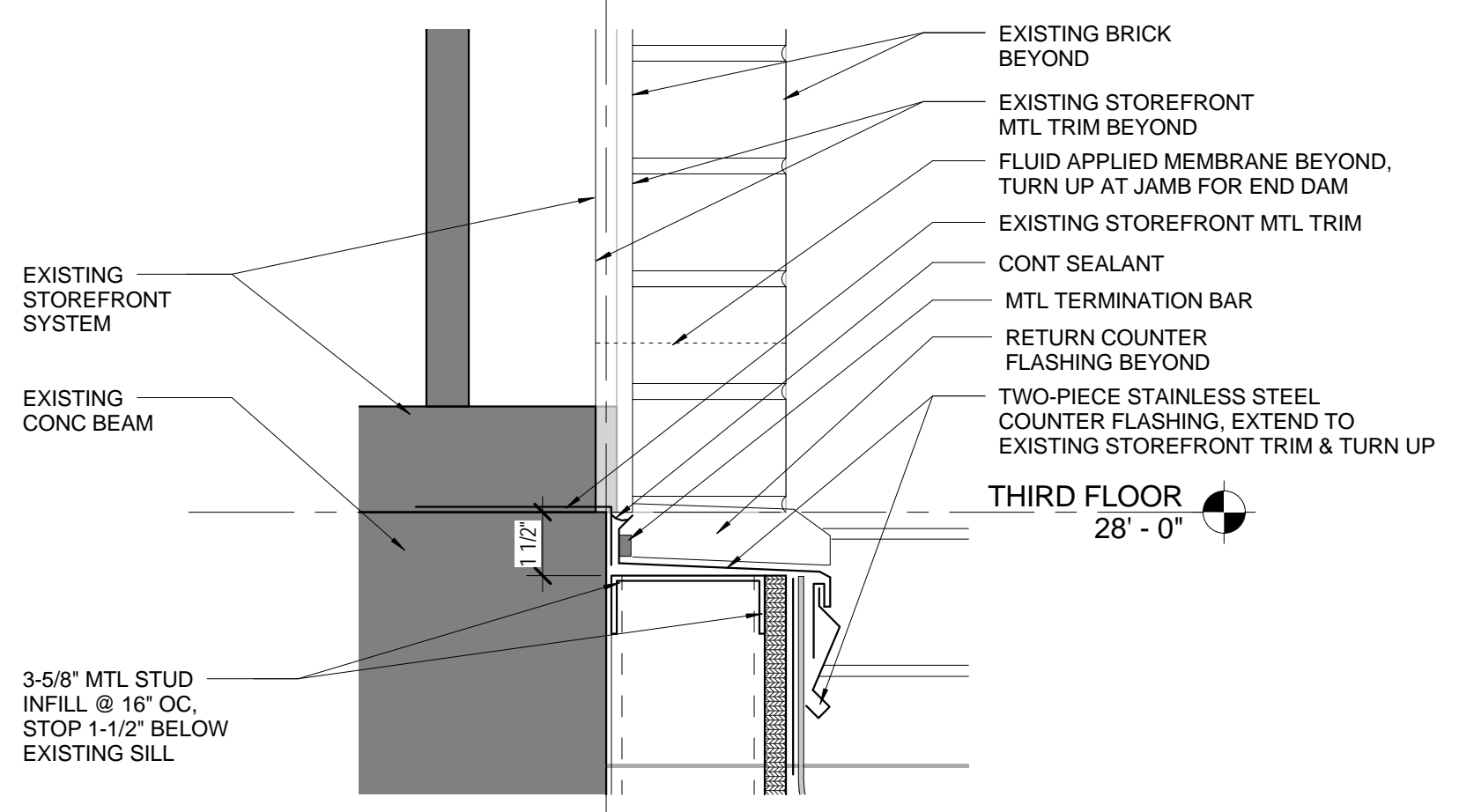
SECTION DETAIL AT BAY WINDOW
 SCALE: 3" = 1'-0"



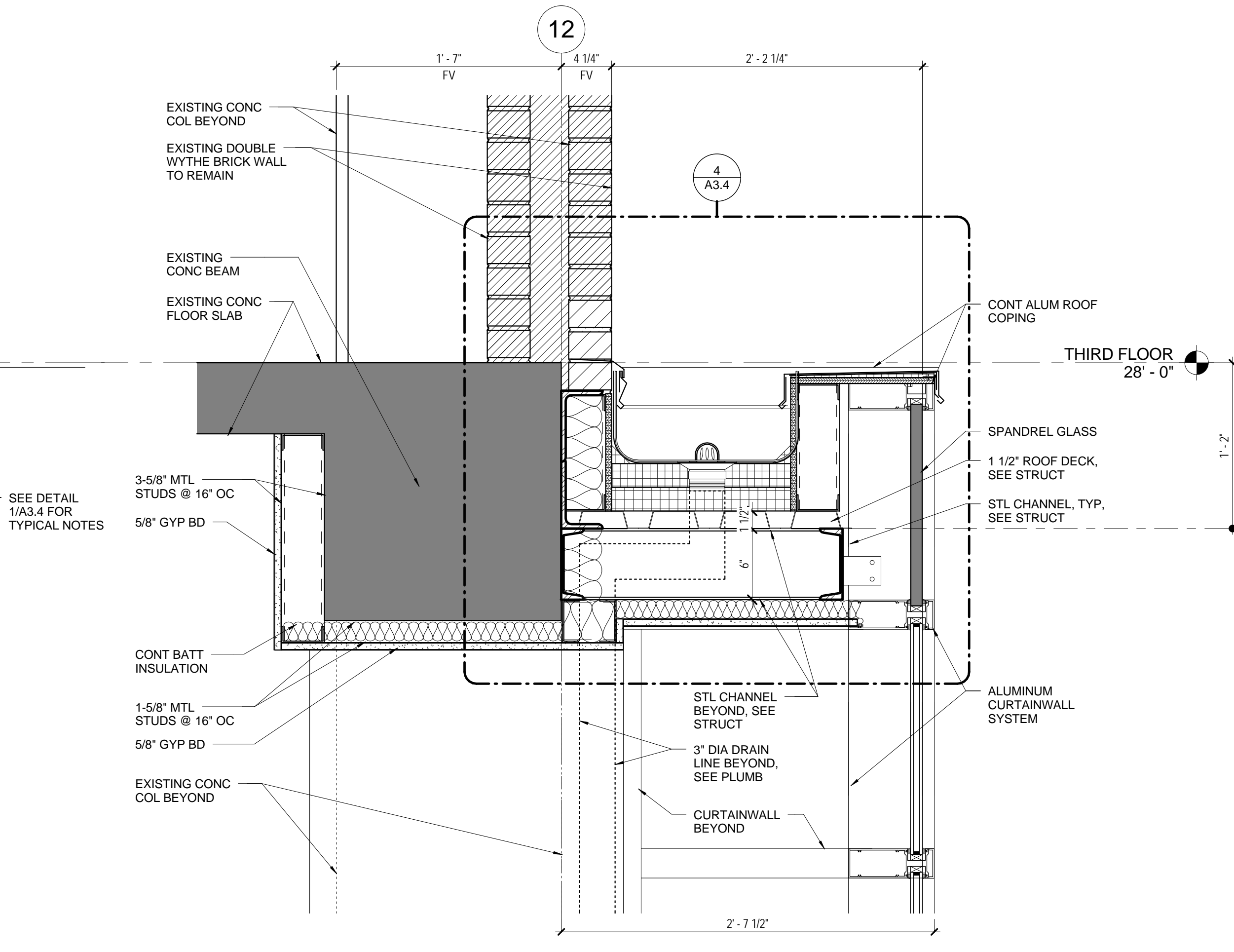
AXON AT BAY WINDOW ROOF
 SCALE: 1/4" = 1'-0"



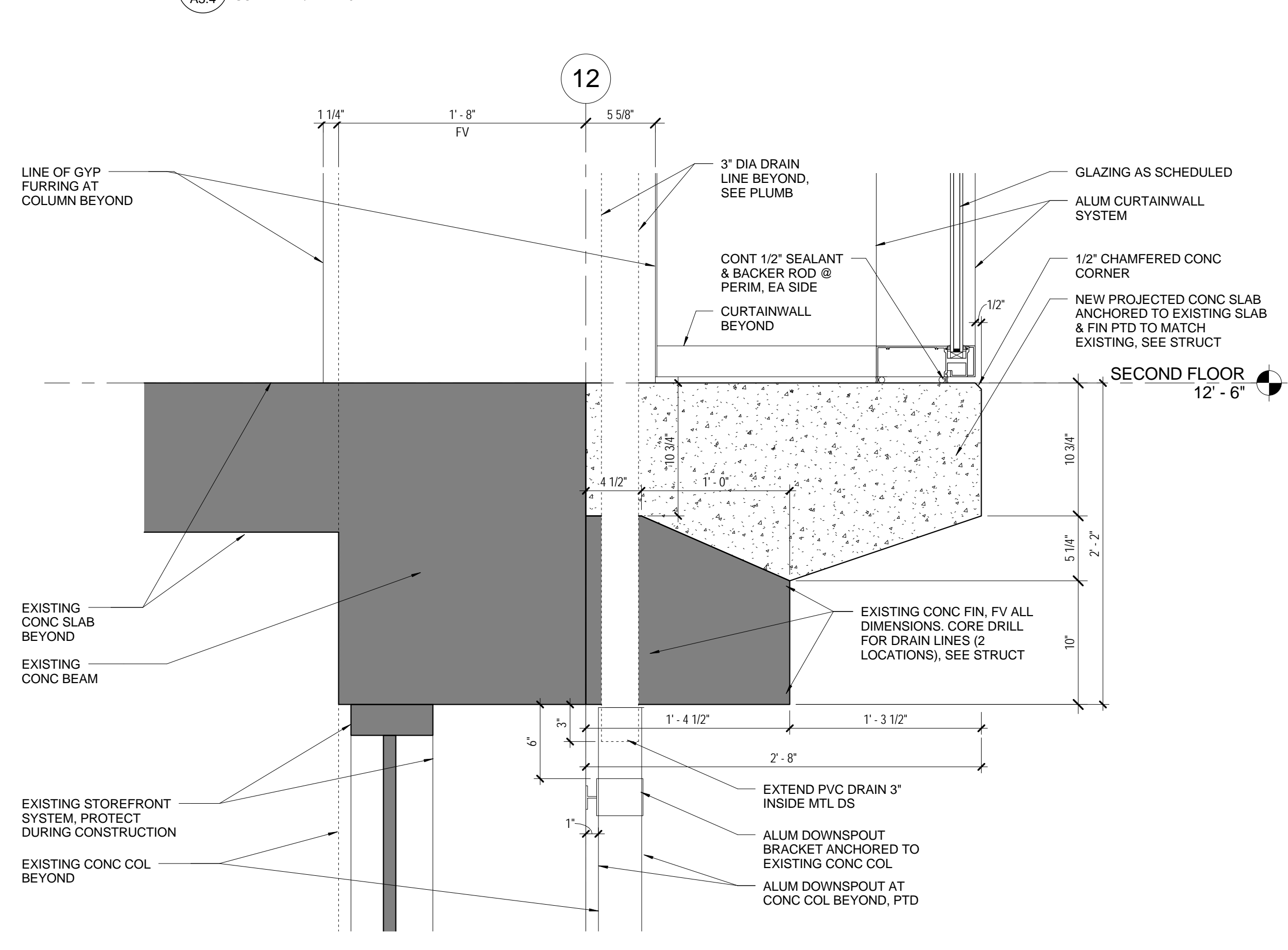
SECTION DETAIL AT BAY WINDOW
 SCALE: 1 1/2" = 1'-0"



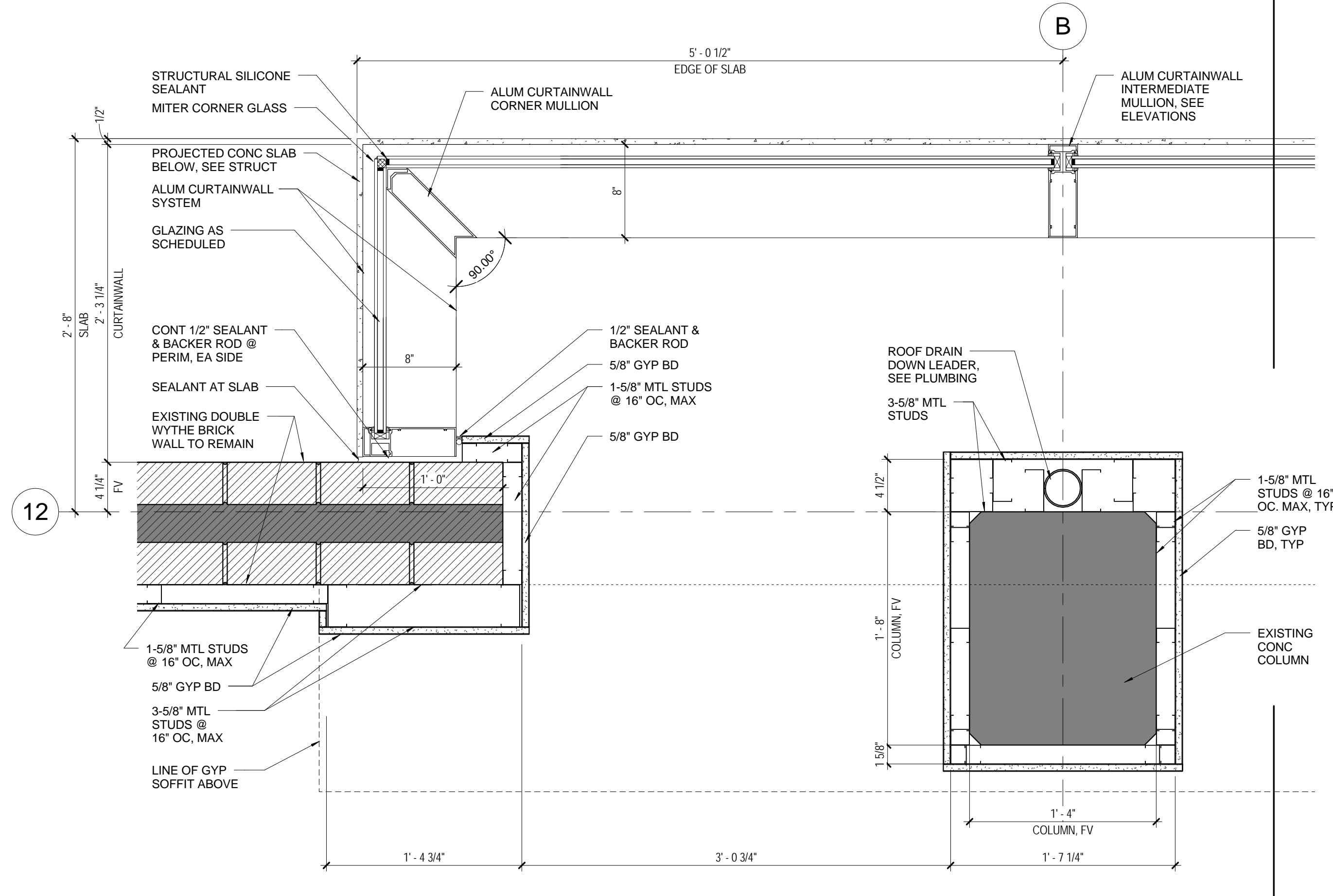
SECTION DETAIL AT BAY WINDOW - AT STOREFRONT
 SCALE: 3" = 1'-0"



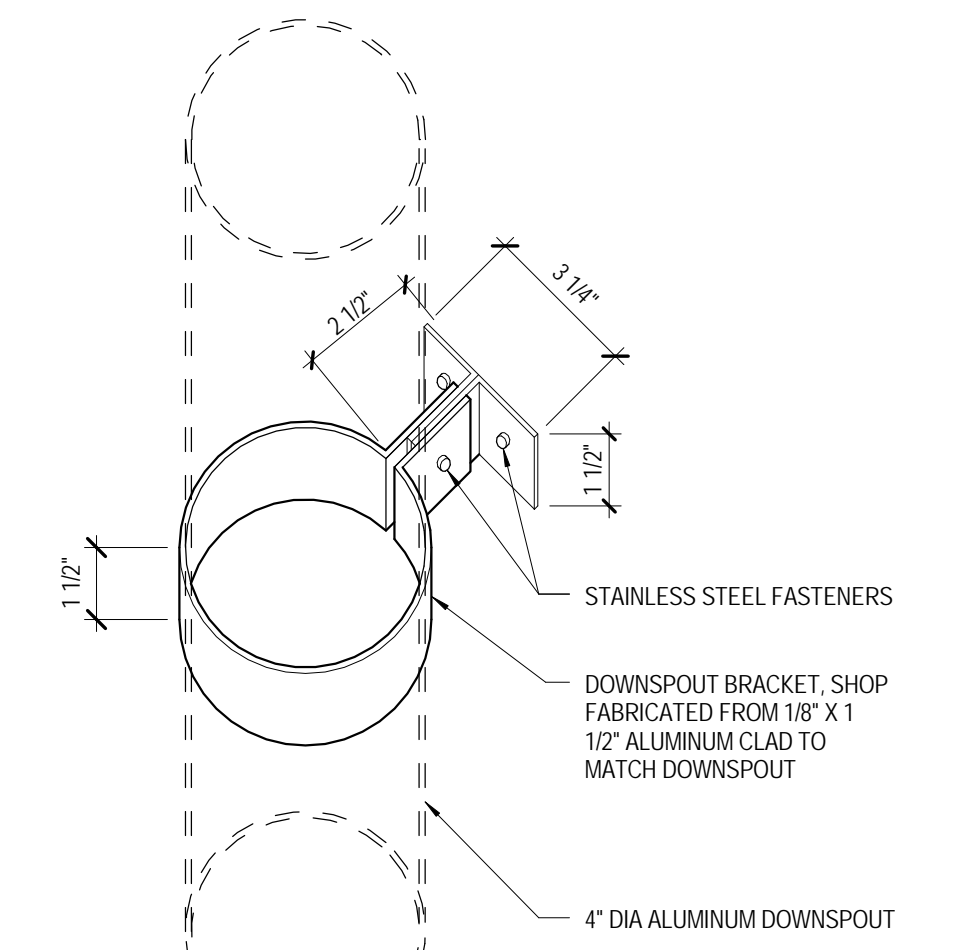
SECTION DETAIL AT BAY WINDOW
 SCALE: 1 1/2" = 1'-0"



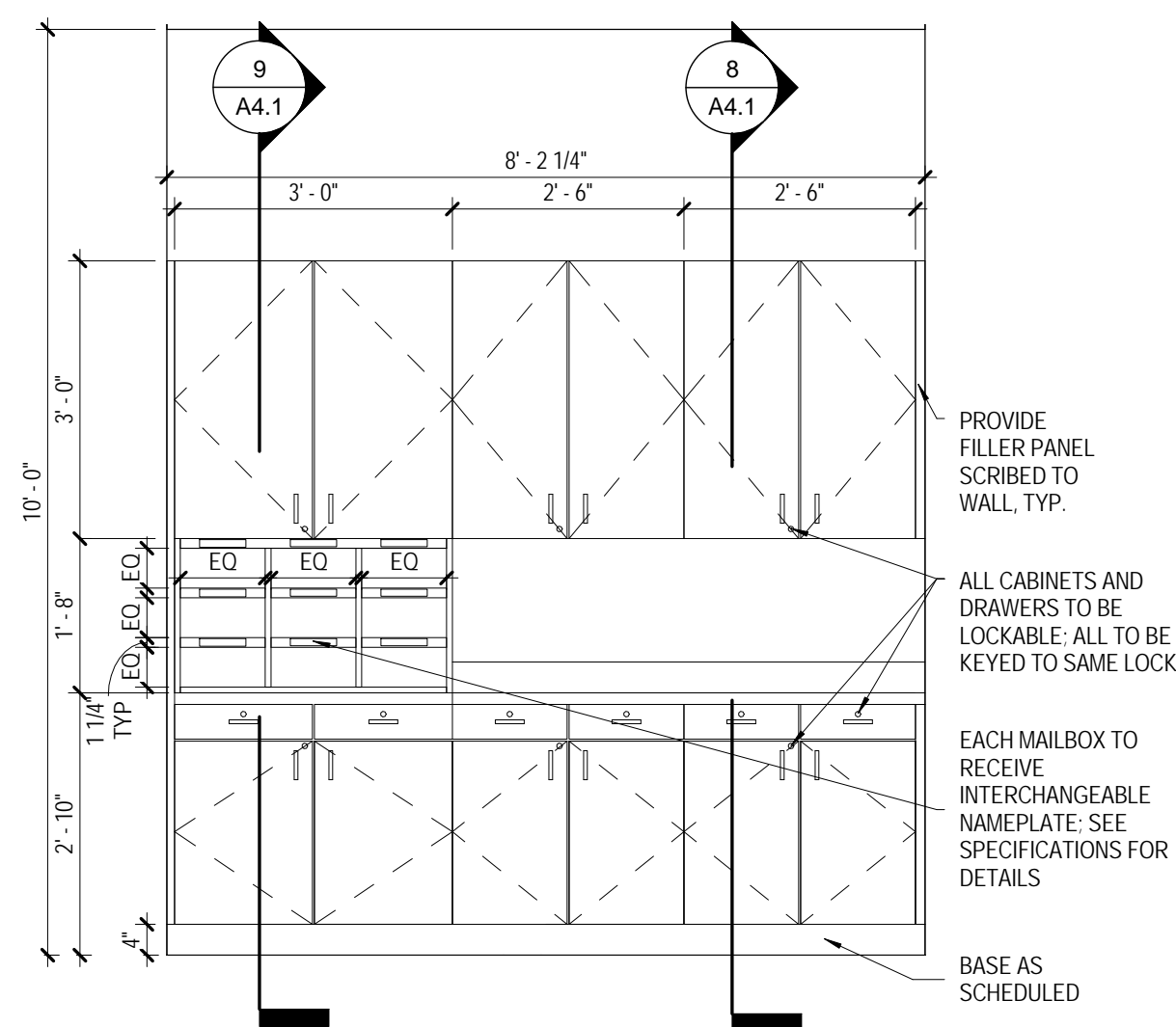
SECTION DETAIL AT BAY WINDOW
 SCALE: 1 1/2" = 1'-0"



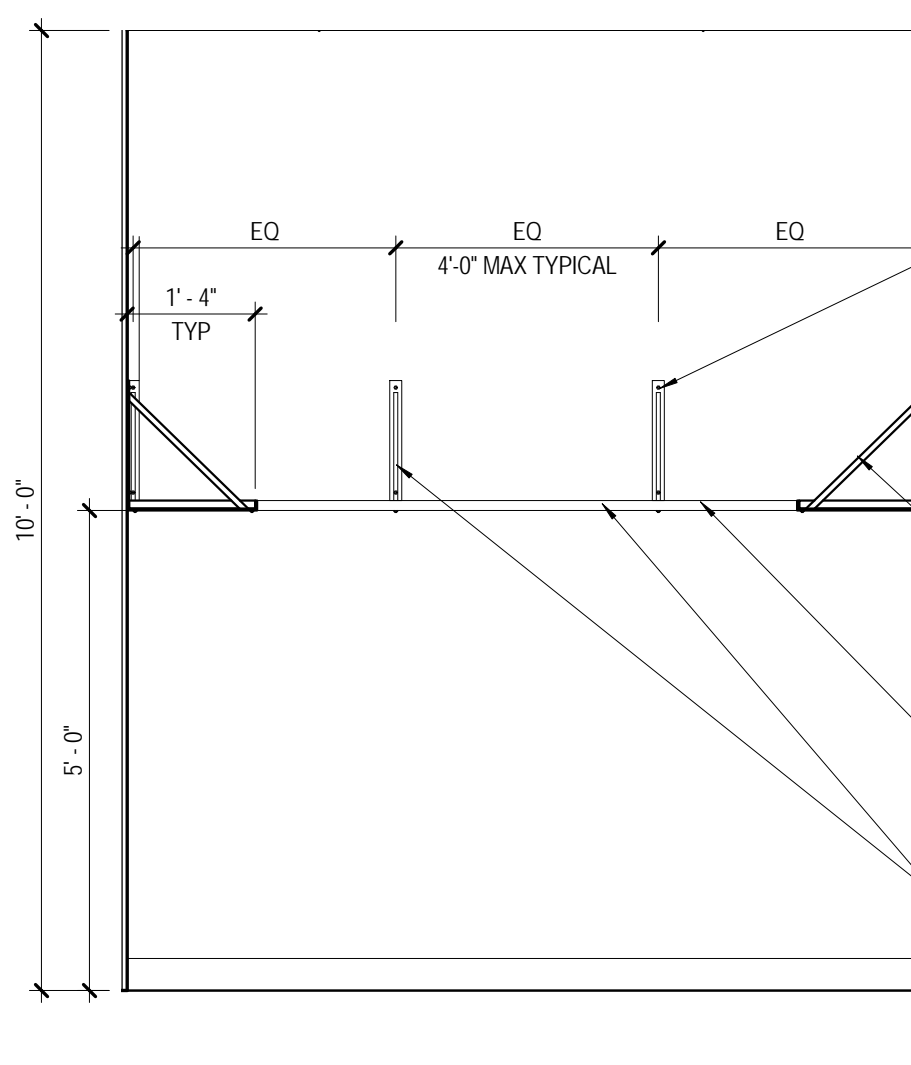
PLAN DETAIL AT BAY WINDOW
 SCALE: 1 1/2" = 1'-0"



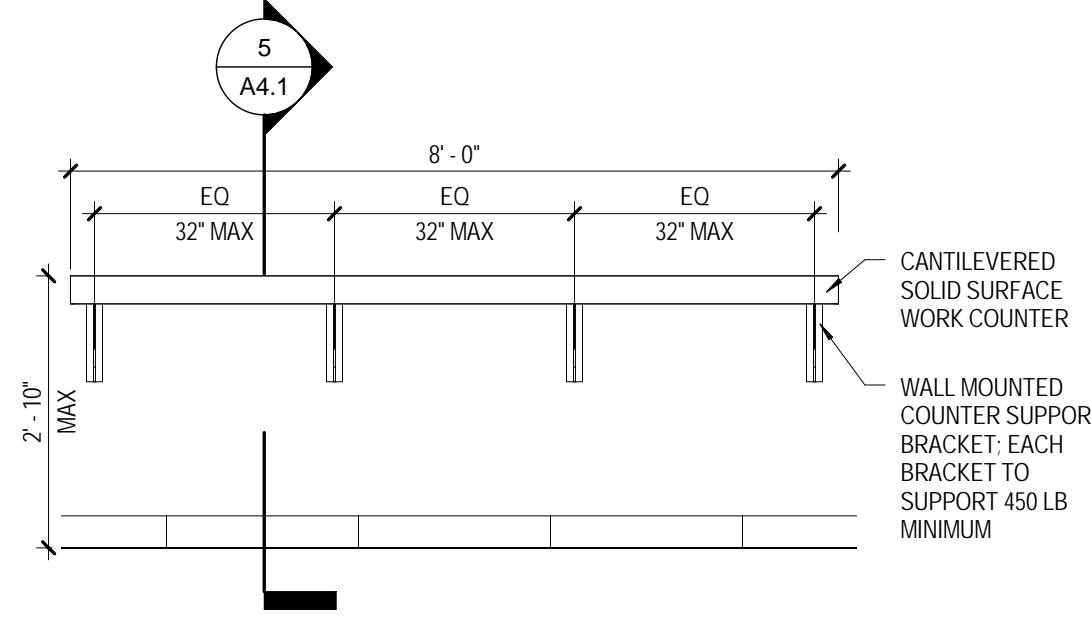
DS BRACKET
 SCALE: 3" = 1'-0"



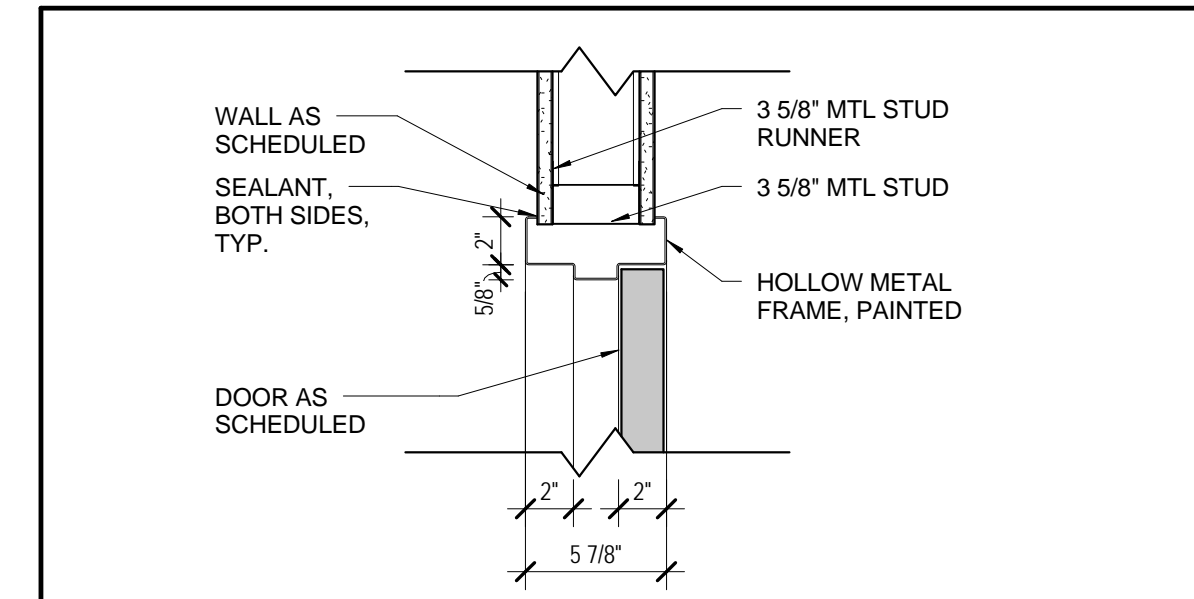
1 WORKROOM CASEWORK
SCALE: 1/2" = 1'-0"



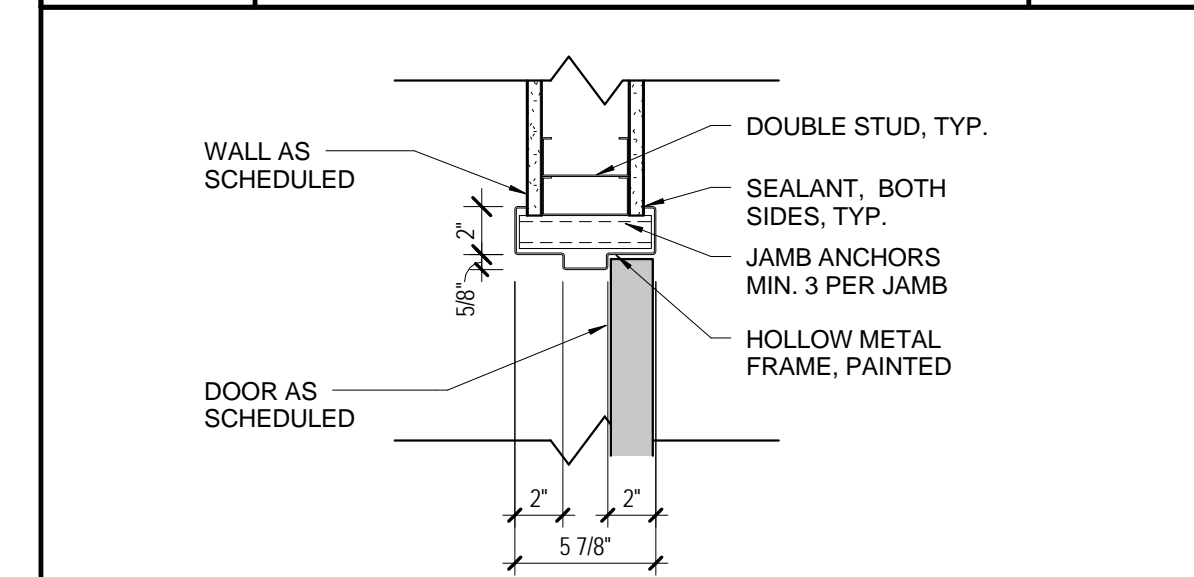
2 WORKROOM SHELVING TYPICAL
SCALE: 1/2" = 1'-0"



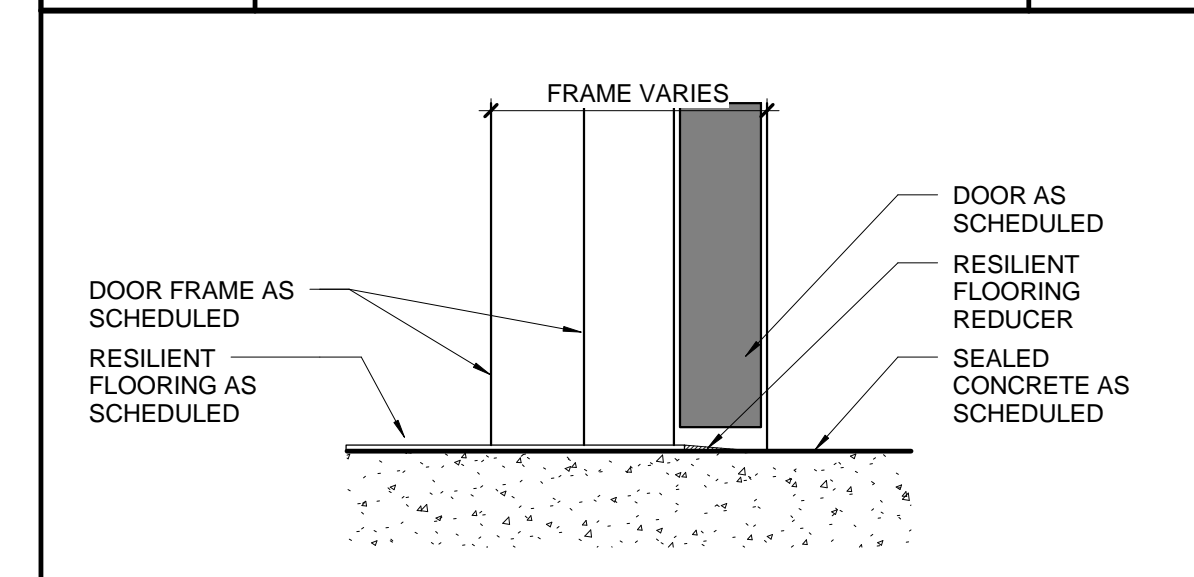
3 LOBBY WORK COUNTER
SCALE: 1/2" = 1'-0"



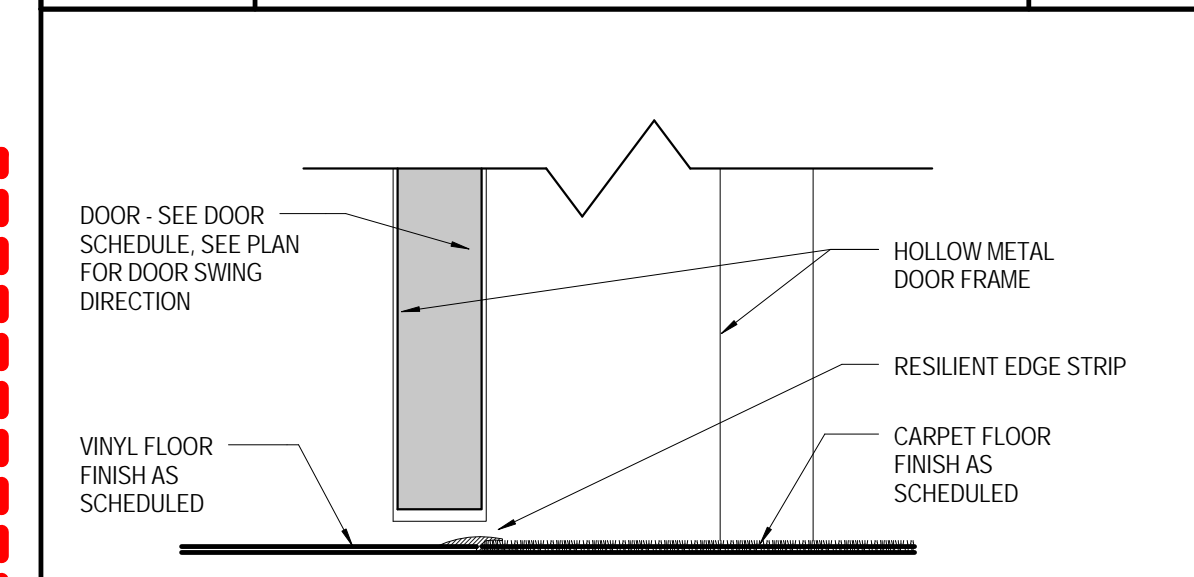
H1 HEAD DETAIL
SCALE: 1-1/2" = 1'-0"



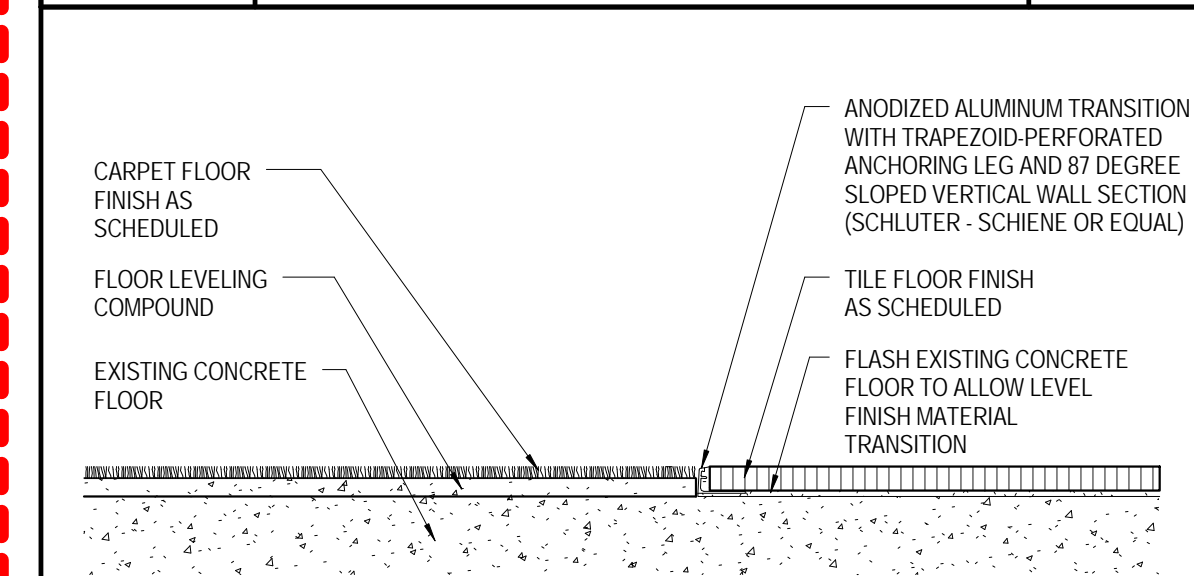
J1 JAMB DETAIL
SCALE: 1-1/2" = 1'-0"



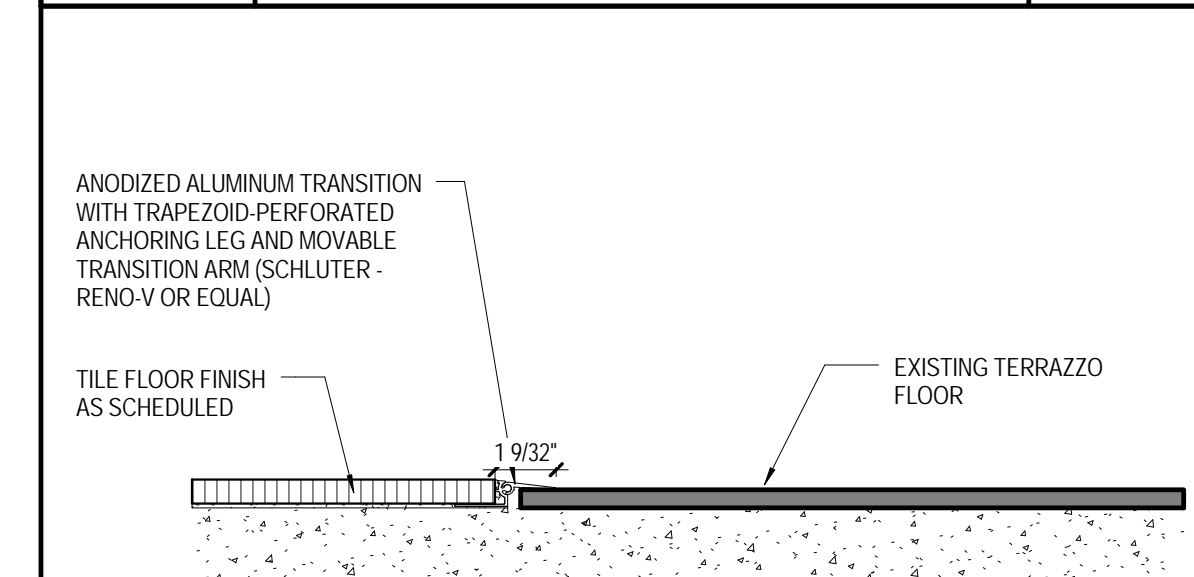
S1 RESILIENT TO CONC
SCALE: 3" = 1'-0"



S2 RESILIENT TO CPT
SCALE: 3" = 1'-0"



S3 CPT TO PT
SCALE: 3" = 1'-0"

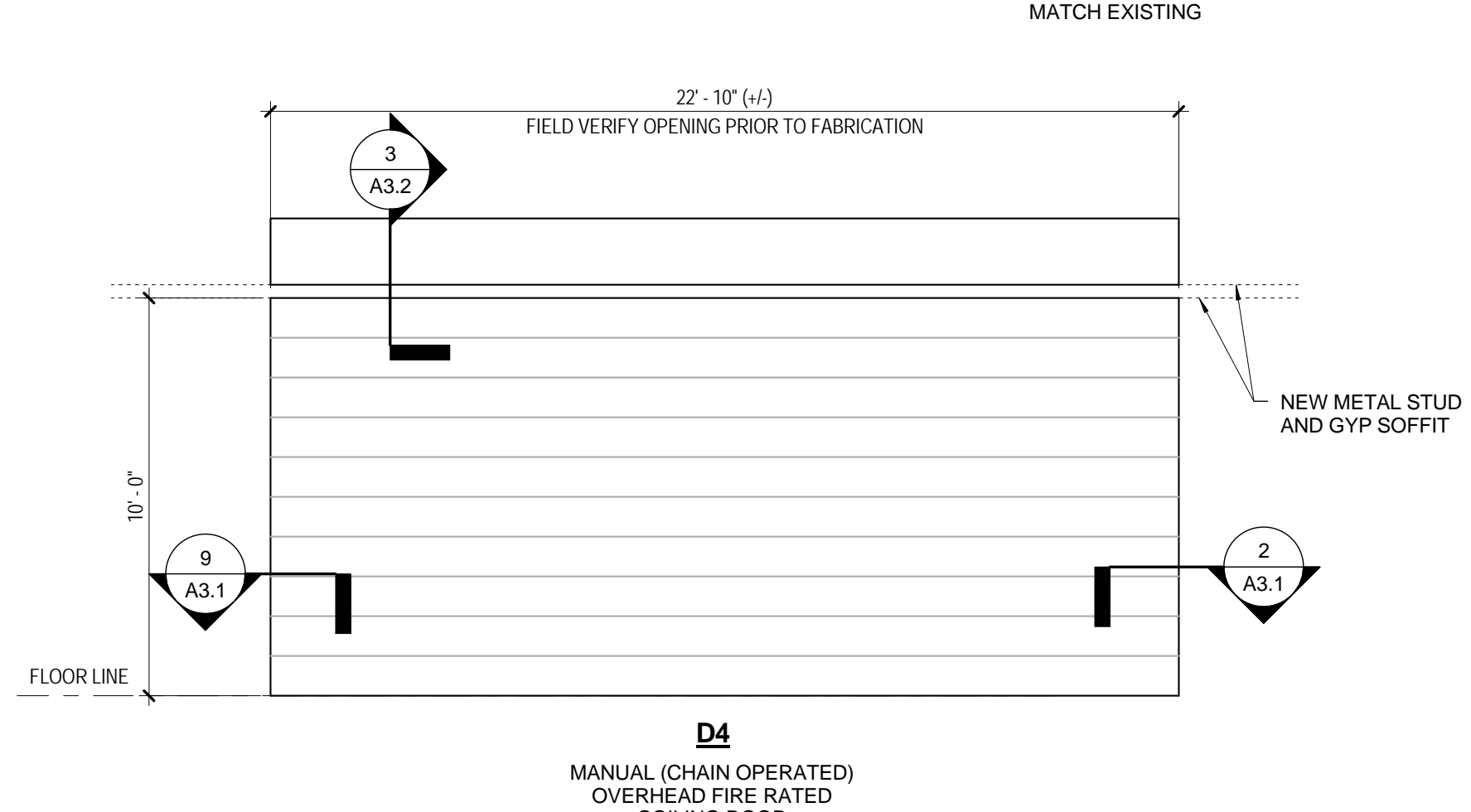
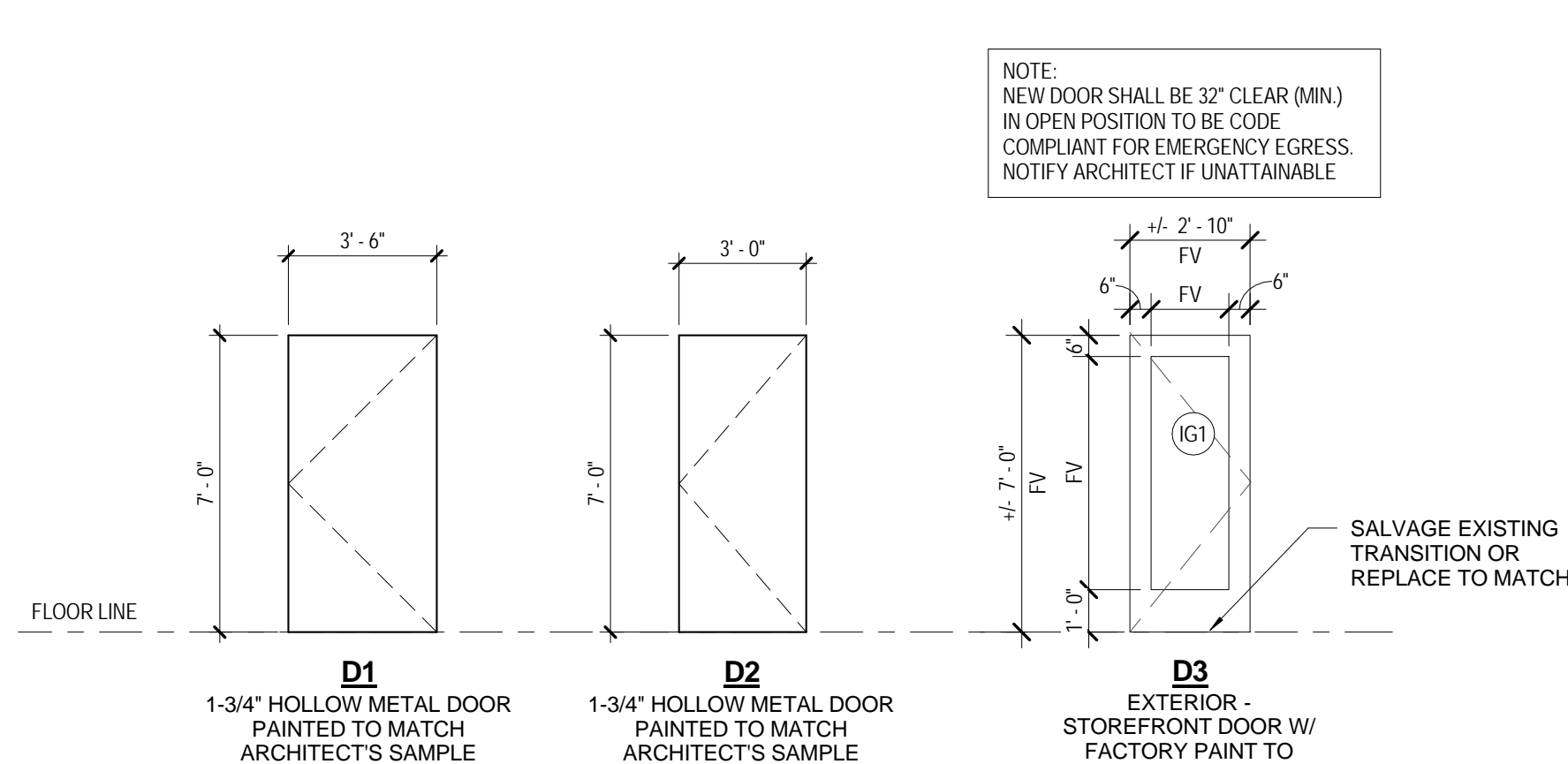


S4 PT TO EXST TERRAZZO
SCALE: 3" = 1'-0"

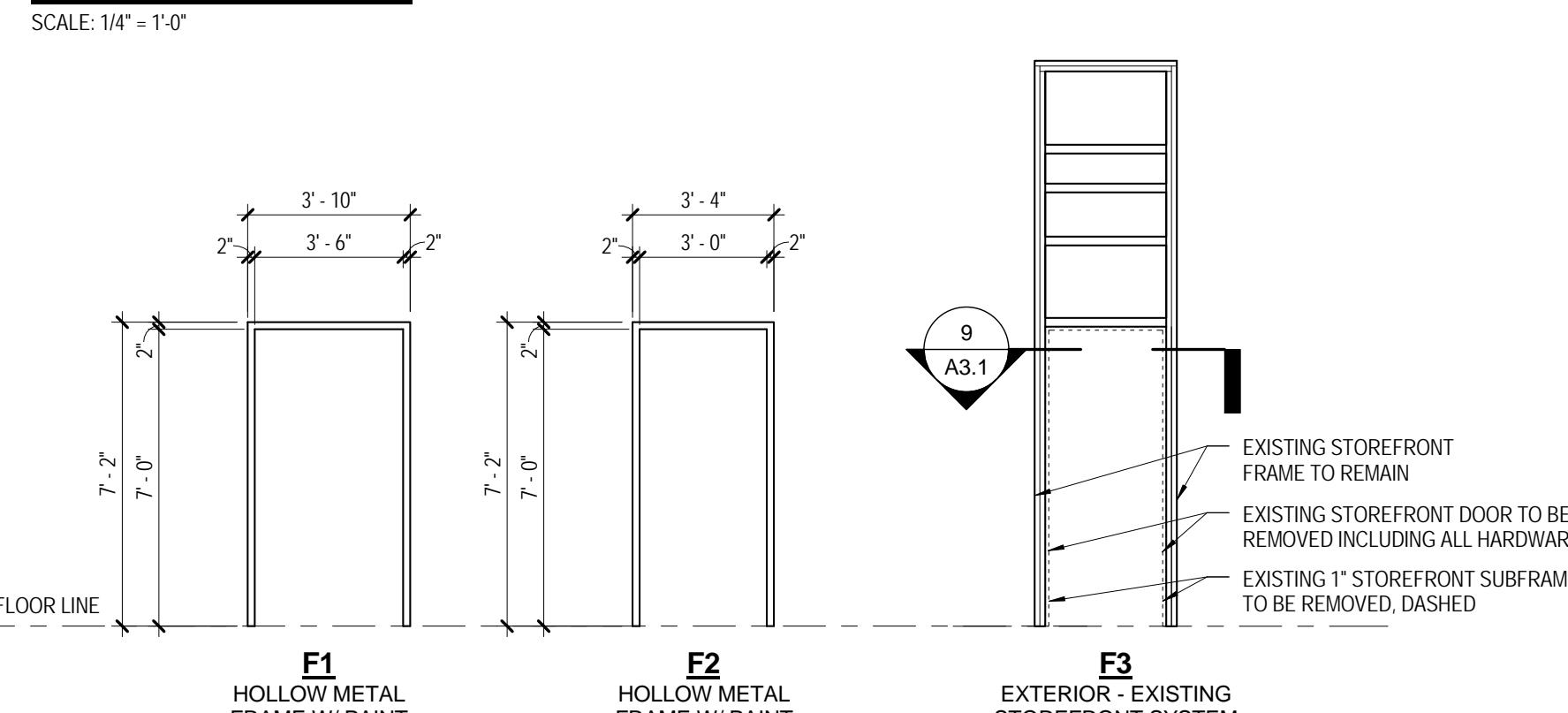
DOOR NO	DOOR			FRAME				RATING	HDWR	REMARKS
	WIDTH	HEIGHT	TYPE	TYPE	HEAD	JAMB	SILL			
1	3' - 6"	7' - 0"	D1	F1	H1	J1	S1			
2	3' - 6"	7' - 0"	D1	F1	H1	J1	S1			
3	3' - 0"	7' - 0"	D2	F2	H1	J1	S1			
4	2' - 10"	7' - 0"	D3	F3	--	--	--			1,2
5	23' - 0"	10' - 0"	D4	--	--	--	S4	2 HR		

- DOOR SCHEDULE REMARKS**
- NEW STOREFRONT DOOR INSTALLED IN EXISTING STOREFRONT FRAME AFTER 1" SUB FRAME IS REMOVED. FIELD MEASURE ALL DIMENSIONS AFTER SUB FRAME IS REMOVED.
 - PREPARE DOOR AND FRAME TO RECEIVE OWNER FURNISHED, OWNER INSTALLED CARD READER. SEE ELEC. DRAWINGS AND HARDWARE SCHEDULE.

- GENERAL DOOR AND FRAME NOTES:**
- FIELD VERIFY ALL OPENINGS.
 - ALL HEAD, JAMB AND SILL CONDITIONS MAY NOT BE INDICATED FOR ALL FRAME TYPES - SEE PLANS, SECTIONS, ELEVATIONS & DETAILS FOR ADDITIONAL INFORMATION.
 - OWNER WILL PROVIDE AND KEY CORES.



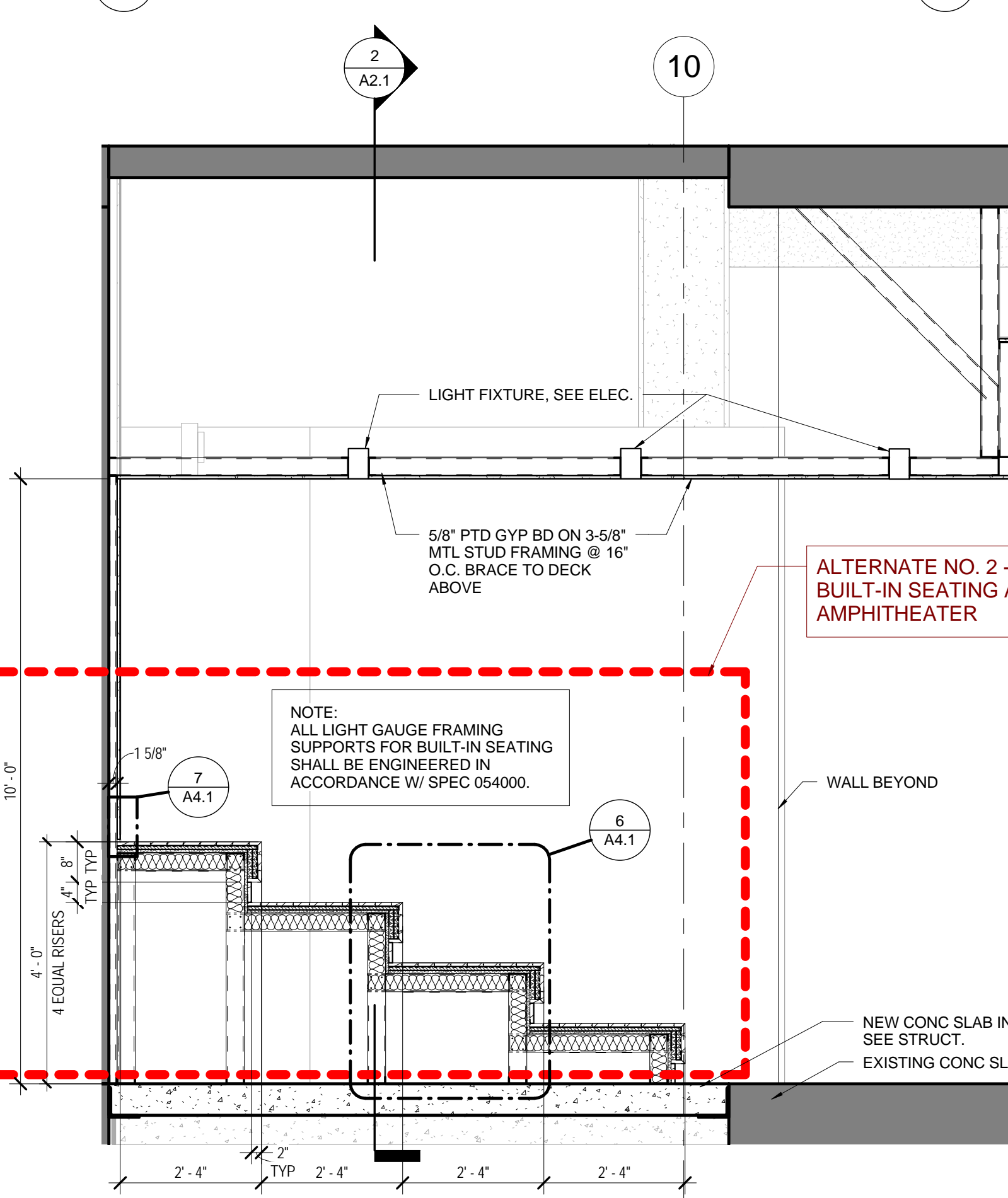
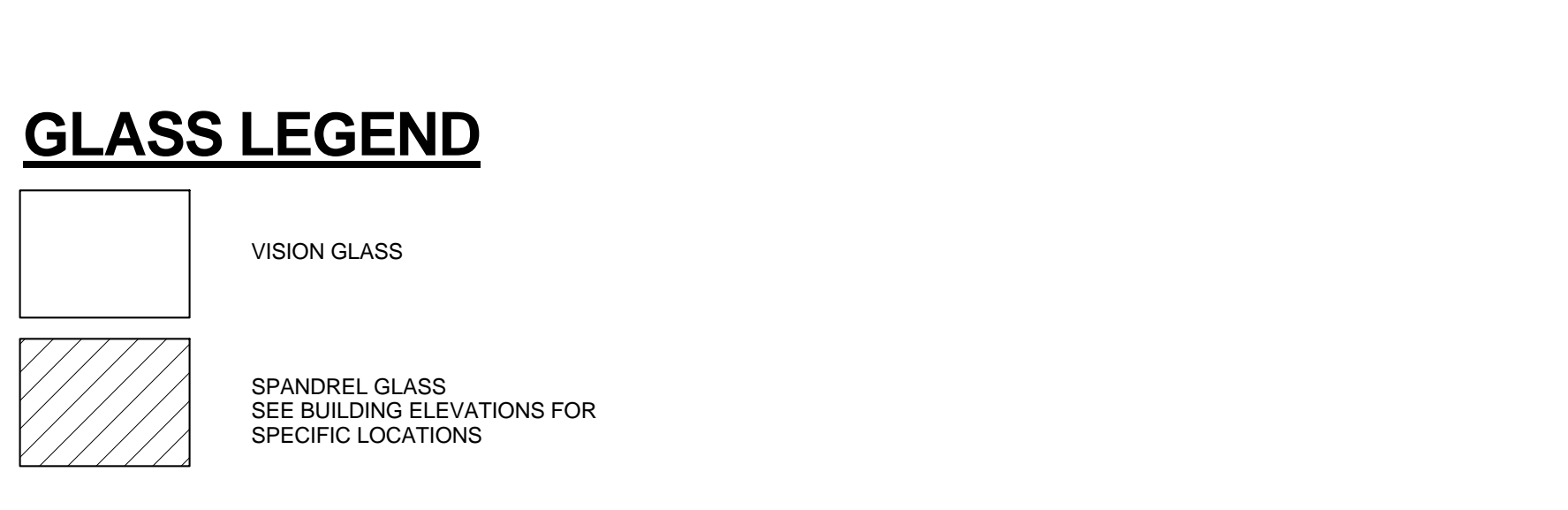
DOOR TYPES
SCALE: 1/4" = 1'-0"



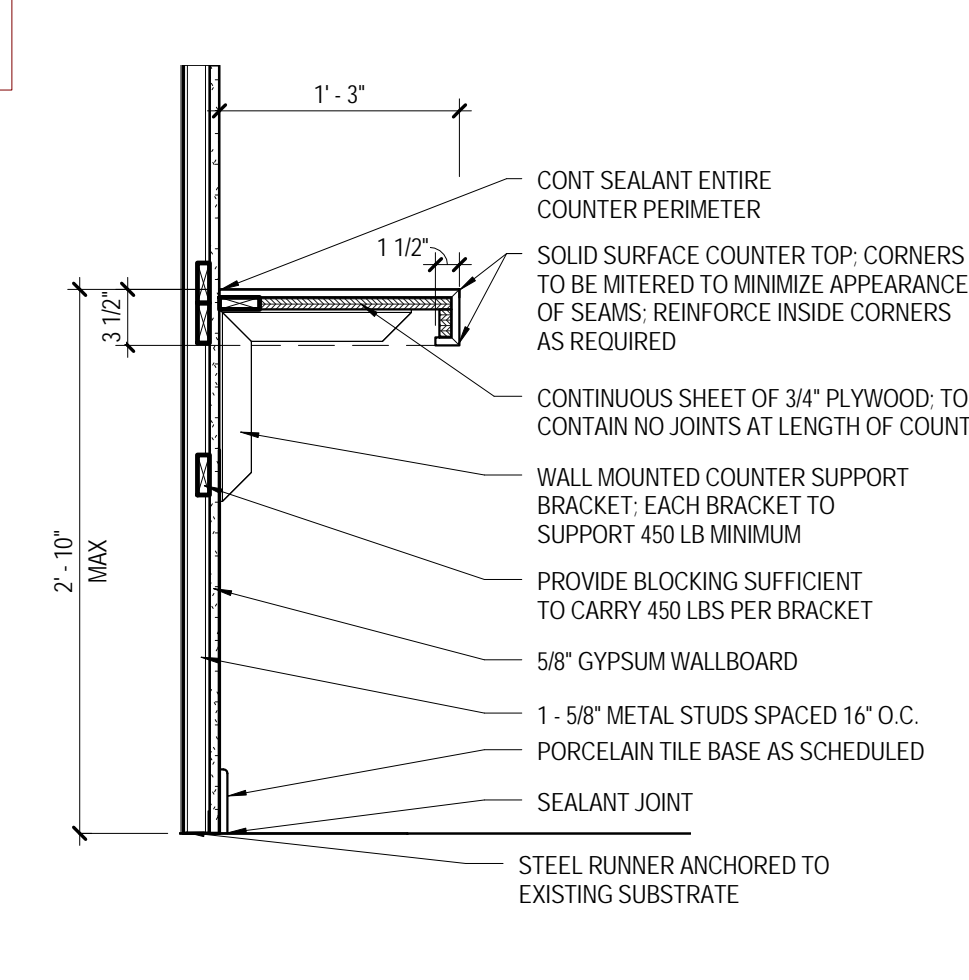
FRAME TYPES
SCALE: 1/4" = 1'-0"

- GENERAL GLASS NOTES**
- ALL EXTERIOR CURTAIN WALL SYSTEMS SHALL RECEIVE TYPE IG2 INSULATED GLASS UNLESS NOTED OTHERWISE.
 - EXTERIOR DOOR SHALL RECEIVE TYPE IG3 INSULATED GLASS UNLESS NOTED OTHERWISE.

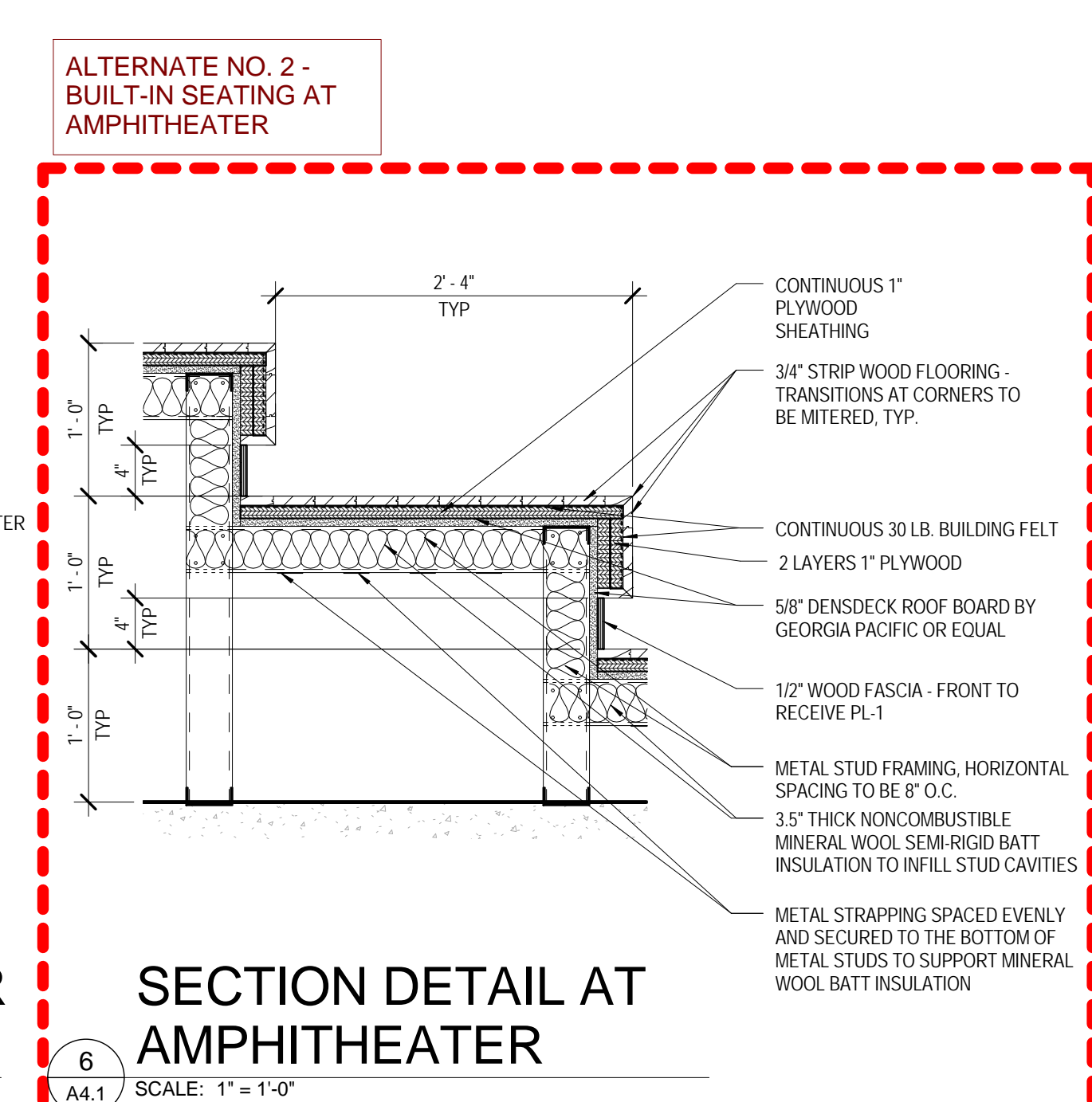
- INSULATED-GLASS UNITS**
- (IG1) 1-INCH INSULATED GLASS, LOW-E, FULLY TEMPERED
 - (IG2) 1-INCH INSULATED GLASS, LOW-E, FULLY TEMPERED, SILICONE-COATED SPANDREL



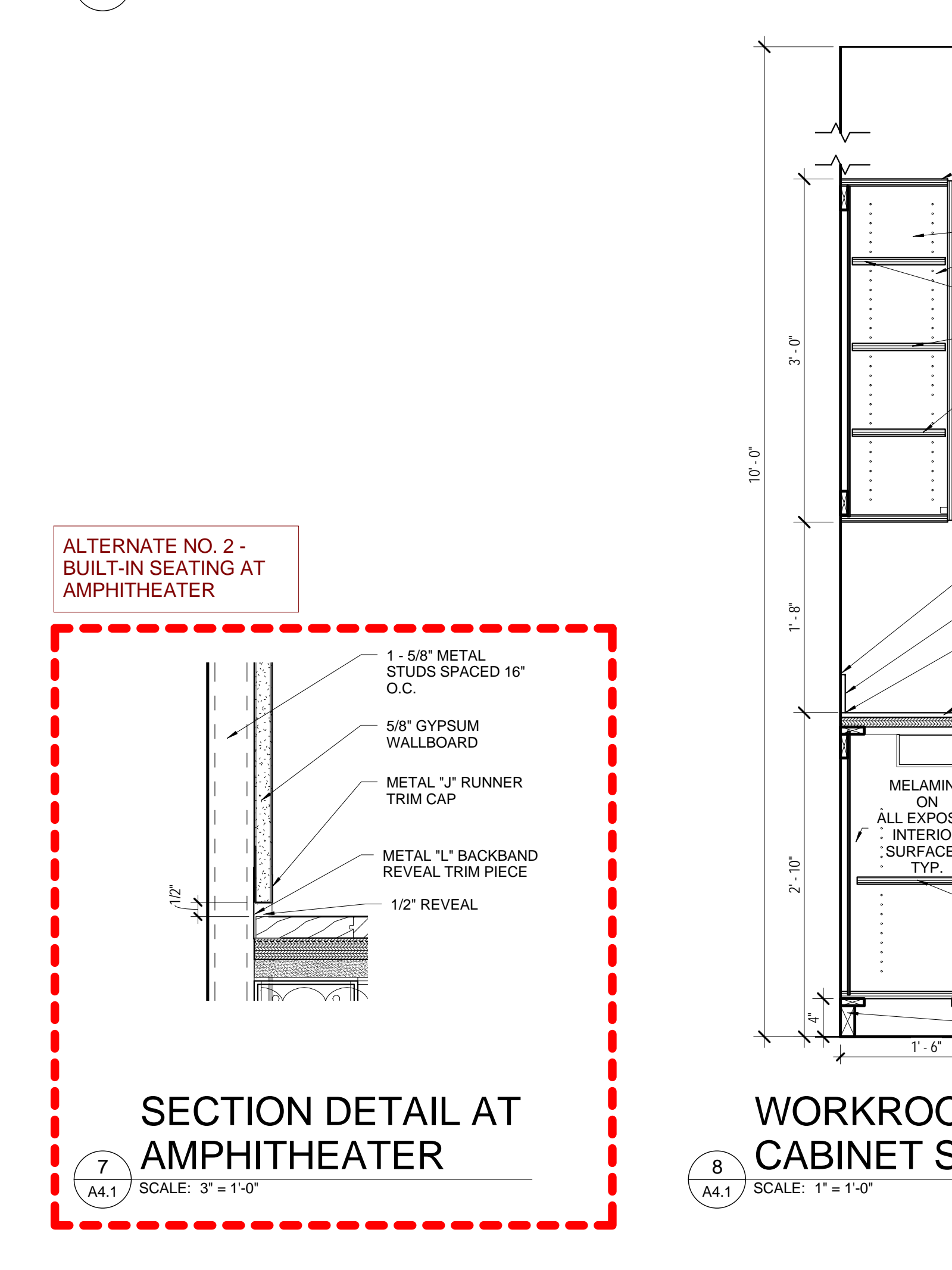
4 AMPHITHEATER SECTION
SCALE: 1/2" = 1'-0"



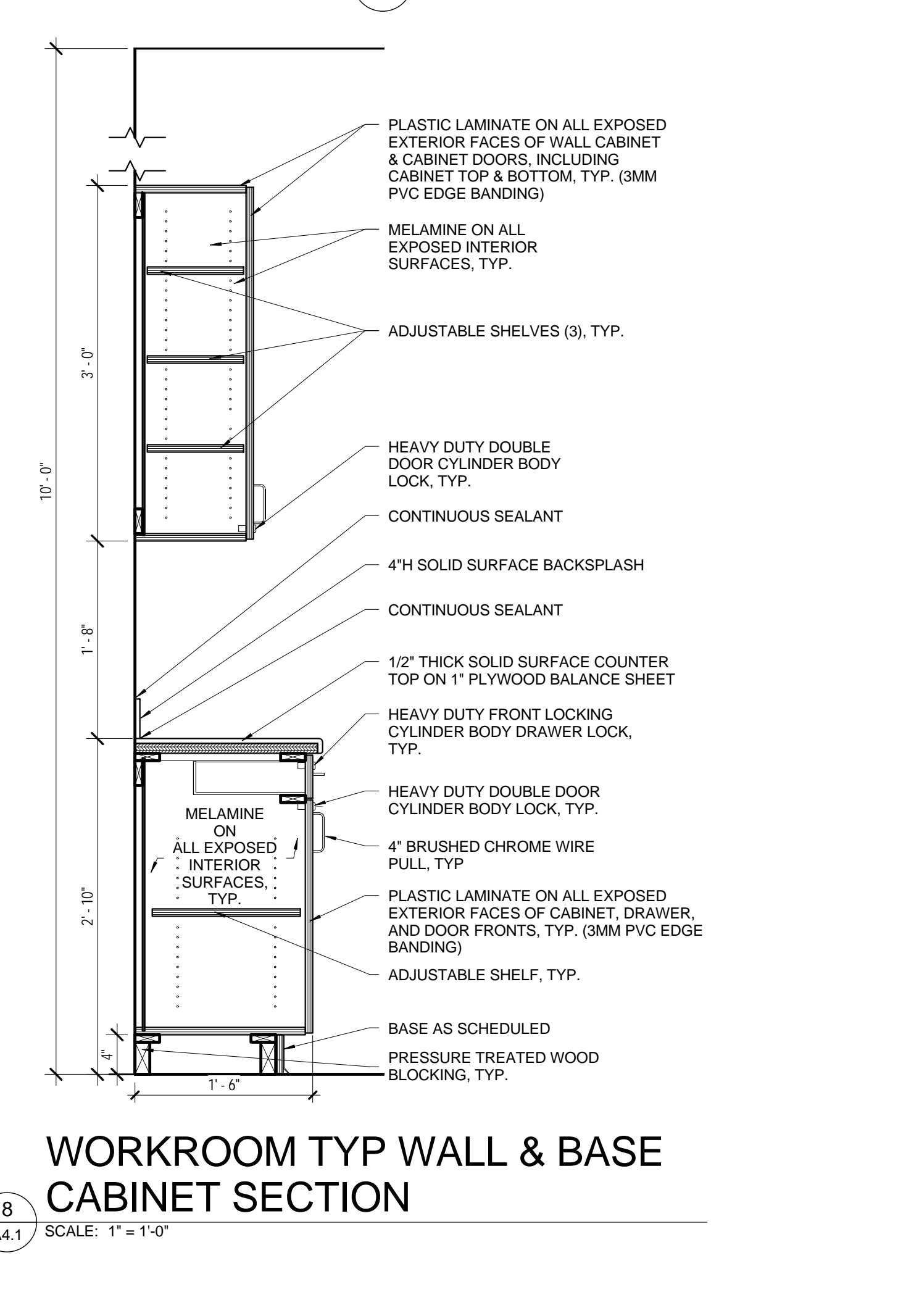
5 LOBBY WORK COUNTER SECTION
SCALE: 1" = 1'-0"



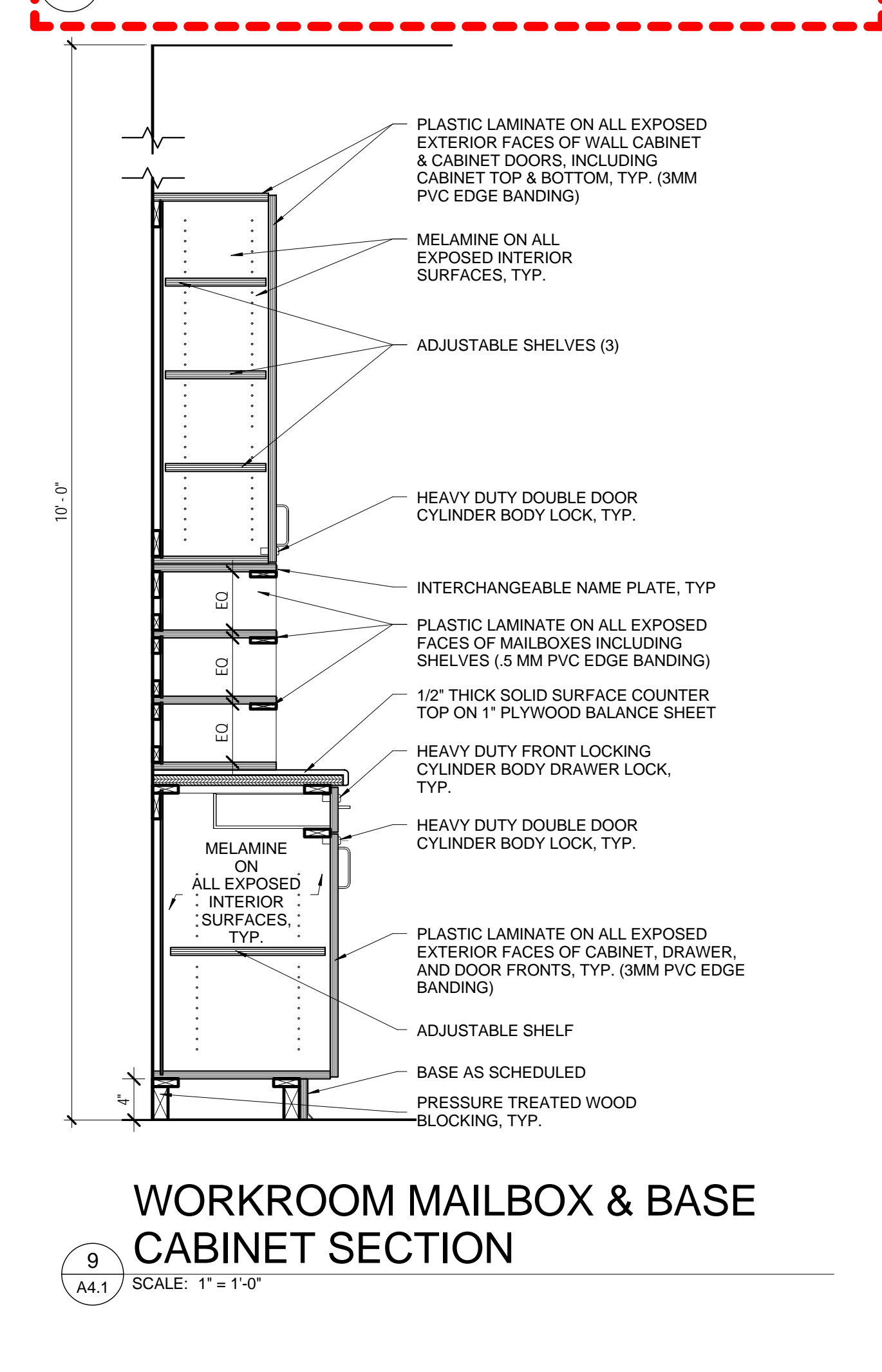
6 SECTION DETAIL AT AMPHITHEATER
SCALE: 1" = 1'-0"



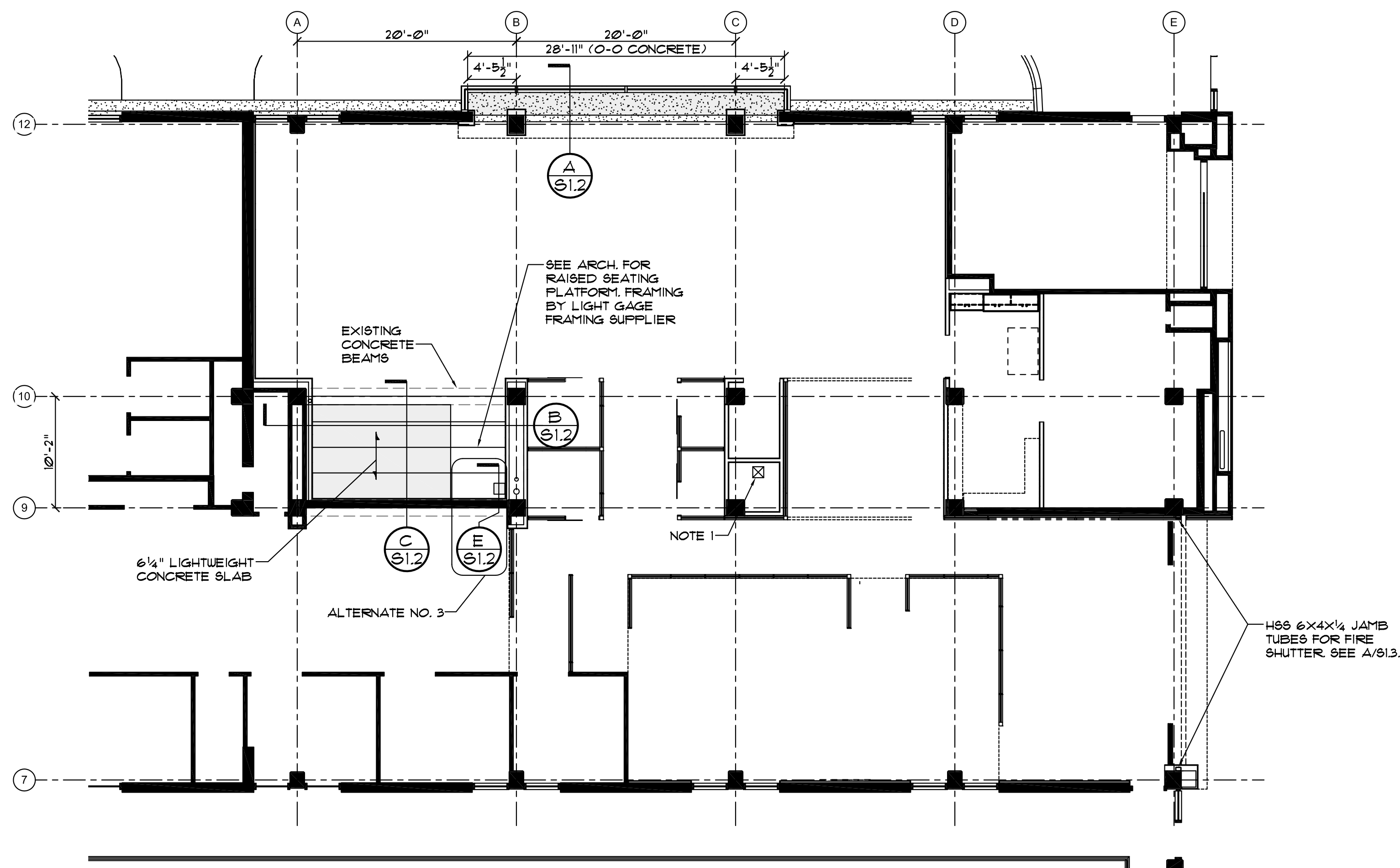
7 SECTION DETAIL AT AMPHITHEATER
SCALE: 3" = 1'-0"



8 WORKROOM TYP WALL & BASE CABINET SECTION
SCALE: 1" = 1'-0"

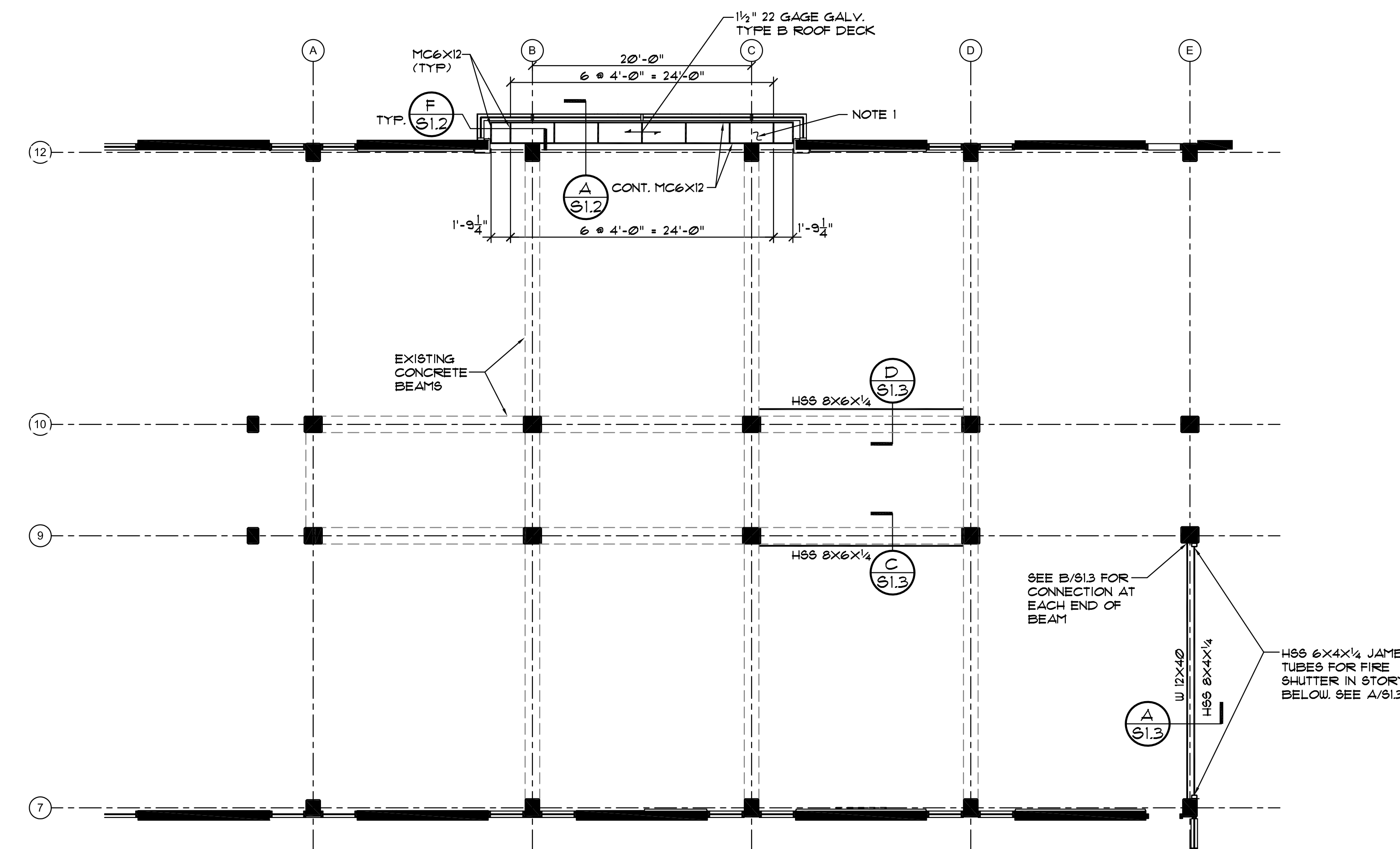


9 WORKROOM MAILBOX & BASE CABINET SECTION
SCALE: 1" = 1'-0"



PARTIAL SECOND FLOOR FRAMING PLAN (A) S1.1
SCALE 1/8" = 1'-0"

PLAN NOTES:
1. WHERE "NOTE 1" IS INDICATED, SAW CUT OPENING FOR NEW DUCT. DO NOT OVERCUT OPENING AT CORNERS. COORDINATE OPENING SIZE WITH MECHANICAL.



PARTIAL THIRD FLOOR FRAMING PLAN (B) S1.1
SCALE 1/8" = 1'-0"

PLAN NOTES:
1. PROVIDE L 2X2X1/4 FRAMES AT ROOF DRAINS (2 PLACES) UNDER ROOF DECK. FIELD WELD TO CHANNEL FRAMING. SEE THE ARCHITECTURAL AND PLUMBING DRAWINGS FOR LOCATIONS.

GENERAL NOTES

- IN CASE OF A DISCREPANCY BETWEEN THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, CONSULT WITH THE ARCHITECT. FOR DIMENSIONS AND DETAILS NOT SHOWN, SEE THE ARCHITECTURAL DRAWINGS. VERIFY ALL MECHANICAL OPENINGS AND SUPPORTS WITH THE MECHANICAL EQUIPMENT. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS RELATED TO EXISTING CONSTRUCTION.
- DESIGN CRITERIA
 - BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE
 - RISK CATEGORY III
 - SEISMIC DESIGN DATA
 - IMPORTANCE FACTOR I25
 - $S_s = 0.419$, $S_1 = 0.143$
 - $S_{D1} = 0.469$, $S_{D2} = 0.213$
 - SITE CLASS D (ASSUMED), SEISMIC DESIGN CATEGORY D.
 - WIND VELOCITY 123 MPH, EXPOSURE B, INTERNAL PRESSURE COEFFICIENT 1018.
 - ROOF LIVE LOAD: 20 PSF
 - GROUND SNOW LOAD: 10 PSF
 - FLOOR LIVE LOAD: 100 PSF (ON NEW INFILL SLAB AND NEW RISER PLATFORM SEATING)
- CONCRETE: 28-DAY COMPRESSIVE STRENGTHS AND EQUILIBRIUM UNIT WEIGHTS SHALL BE AS FOLLOWS:
 - ALL CONCRETE: 3000 PSI, 110 13 PCF
- CONCRETE REINFORCING STEEL:
 - ASTM A615, GRADE 60. DO NOT WELD OR TACK WELD ANY REINFORCING NOT SHOWN ON THE DRAWINGS TO BE WELDED.
 - DETAIL IN ACCORDANCE WITH ACI DETAILING MANUAL, LATEST EDITION.
 - LAP ALL BARS WITH CLASS B SPLICES UNLESS NOTED OTHERWISE.
- STRUCTURAL STEEL
 - MATERIALS:
 - WIDE FLANGES: ASTM A992, GRADE 50
 - TUBE: ASTM A500, GRADE B
 - OTHER: ASTM A36
 - FABRICATION SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS
 - BOLTED CONNECTIONS: ASTM A325, 3/4" DIAMETER, SNUG-TIGHTENED. BEARING TYPE CONNECTIONS WITH THREADS IN THE SHEAR PLANE UNLESS NOTED OTHERWISE.
 - WELDED CONNECTIONS: E70XX ELECTRODES. ELECTRODES USED FOR WELDING A992 STEEL SHALL BE LOW HYDROGEN ELECTRODES.
- STEEL DECK
 - ROOF DECK SHALL BE 1 1/2" 22 GAGE TYPE B (WIDE RIB) GALVANIZED STEEL DECK IN 36" WIDE SHEETS. MINIMUM SECTION MODULUS = 0.186 INCHES³. MINIMUM MOMENT OF INERTIA = 0.162 INCHES⁴.
 - FLOOR DECK SHALL BE 3" 20 GAGE GALVANIZED COMPOSITE STEEL DECK. MINIMUM SECTION MODULUS = 0.314 INCHES³. MINIMUM MOMENT OF INERTIA = 0.364 INCHES⁴.
- LIGHT GAGE METAL FRAMING
 - LIGHT GAGE METAL FRAMING FOR PERIMETER OF BAY WINDOW ROOF, INTERIOR GYPSUM BOARD CEILING AND SOFFITS, AND FLOOR FRAMING FOR PLATFORM SEATING RISER SYSTEM SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN SOUTH CAROLINA FOR THE DESIGN CRITERIA IN GENERAL NOTE 2 ABOVE. SEE THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND DETAIL SHOP DRAWINGS AND CALCULATIONS FOR LIGHT-GAGE METAL FRAMING AND ITS CONNECTIONS AND CONNECTIONS TO THE STRUCTURE SHALL BE PREPARED AND SUBMITTED UNDER THE SEAL OF AN ENGINEER REGISTERED IN SOUTH CAROLINA.
 - POST-INSTALLED ANCHORS INSTALLED IN HARDENED CONCRETE SHALL BE AS SHOWN IN THE TABLE ON THIS DRAWING. SPECIAL INSPECTOR SHALL PROVIDE CONTINUOUS INSPECTION OF SCREW ANCHORS AND ADHESIVE ANCHORS OF REINFORCING TO ENSURE THAT MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII) ARE FOLLOWED.

CONCRETE POST-INSTALLED ANCHOR TABLE				
TYPE	MANUFACTURER	PRODUCT	DIAMETER/SIZE	
SCREW ANCHOR	HILTI	KWIK HUB-EZ (KH-EZ)	1/4" TO 3/8"	
	POWERS	WEDGE-BOLT + W/ WEDGE BIT	3/8" TO 3/4"	
	SIMPSON	TITEN HD	3/8" TO 3/4"	
ROD HANGER	HILTI	KWIK HUB-EZ-1	3/8" TO 1/2"	
	POWERS	VERTIGO + W/ WEDGE BIT	1/4" TO 1/2"	
	SIMPSON	TITEN HD ROD HANGER	3/8", 1/2"	
EXPANSION ANCHOR	HILTI	KWIK BOLT TZ	3/8" TO 3/4"	
	POWERS	POWER-STUD + SD1	3/8" TO 1"	
	SIMPSON	STRONG-BOLT 2	3/8" TO 3/8"	
ADHESIVE ANCHOR	HILTI	HIT-HY 200 SAFE SET	ALL THREAD ROD	3/8" TO 1 1/4"
			REBAR	#3 TO #8
		HIT-RE 500-SD	ALL THREAD ROD	3/8" TO 1 1/4"
	POWERS	PE1000+	ALL THREAD ROD	1/2" TO 3/8"
	SIMPSON	SET-XP	ALL THREAD ROD	3/8" TO 1 1/4"
			REBAR	#3 TO #10
AT-XP		ALL THREAD ROD	3/8" TO 1 1/4"	
REBAR	#3 TO #10			

- NOTES:
1. THIS SELECTION TABLE SHALL BE USED WHEN ANCHOR RODS OR REBARS WITH ANCHOR ADHESIVE, EXPANSION ANCHORS, OR SCREW ANCHORS ARE CALLED OUT ON THE DRAWINGS. THE ADHESIVES SHOWN SHALL ALSO BE USED WHERE THE TERM "EPOXY" IS USED ON THE STRUCTURAL DRAWINGS.
2. ADHESIVE ANCHORS HOLES SHALL BE CLEANED PER THE MANUFACTURER'S RECOMMENDATIONS INCLUDING USING A BRUSH AND 100 PSI MINIMUM OR MANUFACTURER'S REQUIRED COMPRESSED AIR.
3. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII).
4. SCREW AND EXPANSION ANCHORS SHALL MEET THE EMBEDMENT DEPTHS AS SPECIFIED IN THE DRAWINGS BUT NOT LESS THAN THE MINIMUM OF 1 TIMES THE ANCHOR DIAMETER, UNO.
5. ADHESIVE ANCHORS SHALL MEET THE EMBEDMENT DEPTHS AS SPECIFIED IN THE DRAWINGS. IF NO EMBEDMENT IS SPECIFIED, EMBED 12 TIMES THE ANCHOR DIAMETER.
6. CONTACT THE ENGINEER OF RECORD FOR APPROVAL OF ANY OTHER ANCHOR TYPE OR DIAMETER PRIOR TO INSTALLATION.

QUACKENBUSH ARCHITECTS + PLANNERS
 1217 HAMPTON | COLUMBIA, SC | 803.771.2999 | quackenbusharchitects.com

PROJECT TITLE
 PARTIAL FRAMING PLANS

SHEET NO
S1.1

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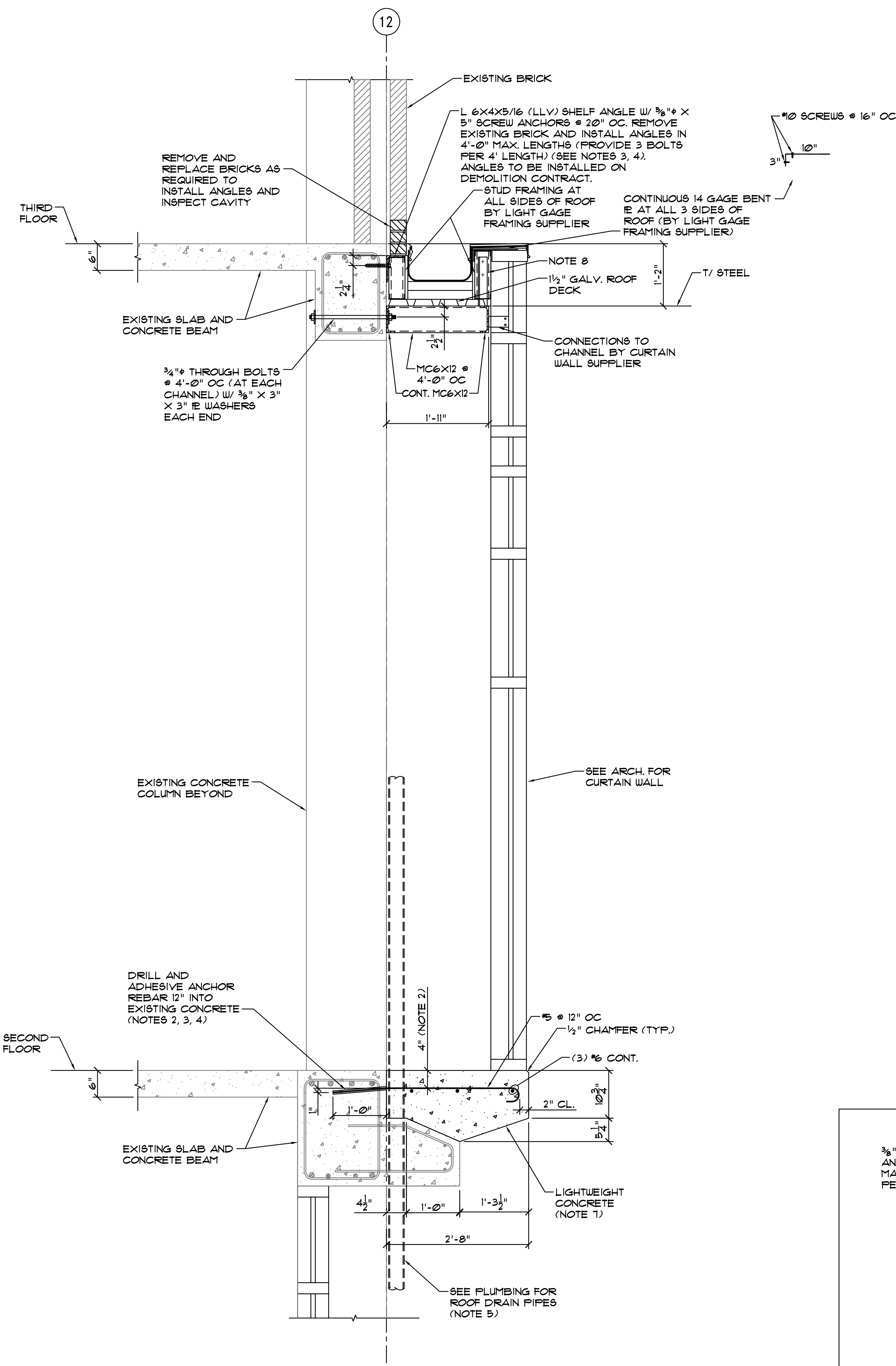
PHASE
 BID SET

ISSUE DATE: 05/20/14
 PROJECT NO.: 14.150.00
 STATE PROJECT NO.: H27-2145

REVISION: _____ DATE: _____

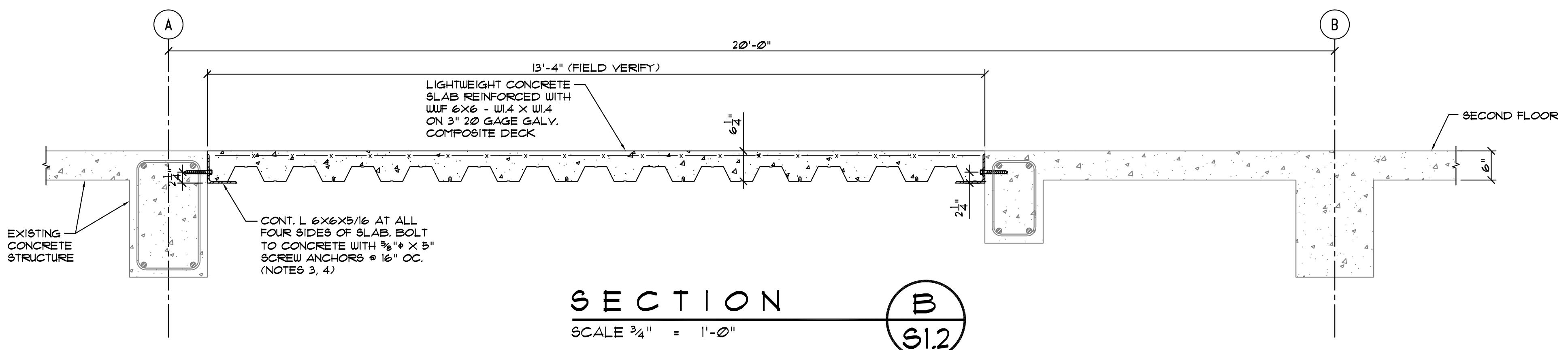
TITLE
 PARTIAL FRAMING PLANS

SHEET NO
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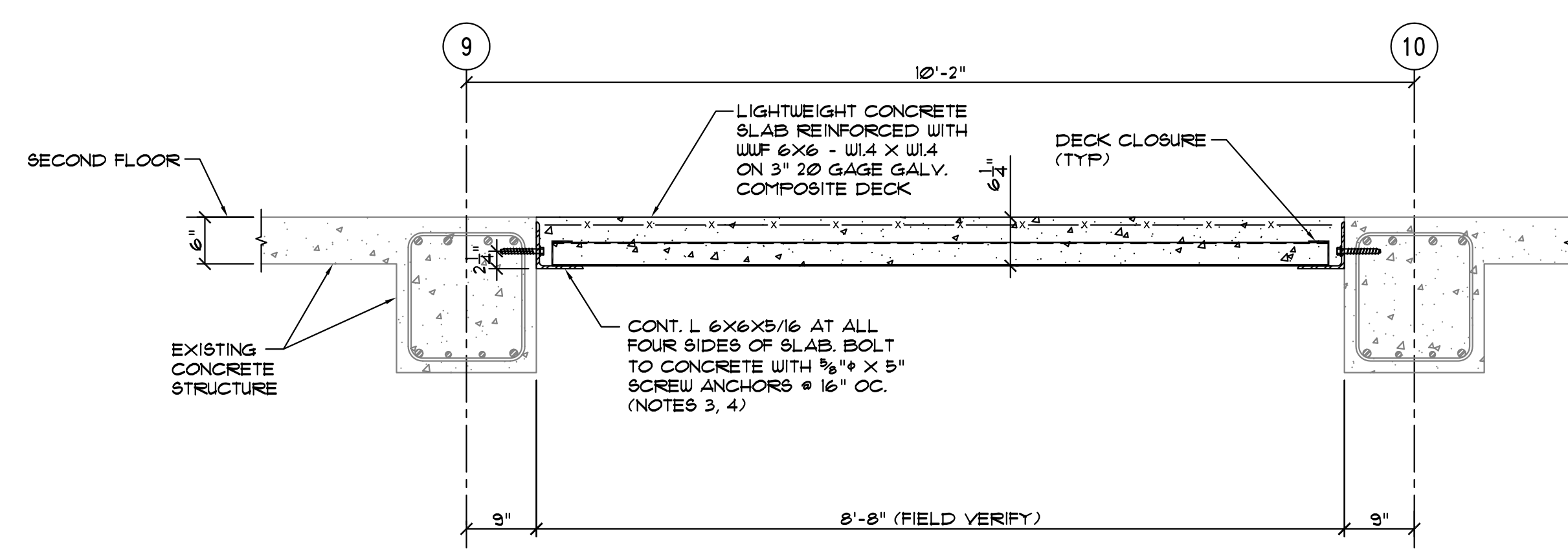
SECTION A
SCALE 3/4" = 1'-0"
S1.2

- NOTES:
- FIELD VERIFY ALL DIMENSIONS RELATED TO EXISTING CONSTRUCTION. DO NOT DAMAGE EXISTING BEAM REINFORCEMENT WHEN DRILLING HOLES FOR REBAR OR BOLTS.
 - CONTACT STRUCTURAL ENGINEER IF REINFORCING CANNOT BE INSTALLED AT 4" DIMENSION (TO 6 OF 15 BARS) SHOWN WITHOUT DAMAGING EXISTING BEAM REINFORCING. HOLES FOR REBARS SHALL BE DRILLED ON A 1:12 SLOPE.
 - SEE CONCRETE POST-INSTALLED ANCHOR TABLE ON S11 FOR ACCEPTABLE SCREW ANCHORS AND ADHESIVES.
 - SEE GENERAL NOTE 9 ON DRAWING S11.
 - CORE DRILL EXISTING CONCRETE BEAM EXTENSION AS REQUIRED TO INSTALL NEW ROOF DRAIN PIPES AND PROVIDE SLEEVE THROUGH NEW CONCRETE FOR PIPES. CORE-DRILLED HOLES AND SLEEVES SHALL PROVIDE AT LEAST 1/2" CLEARANCE ALL AROUND NEW PIPES.
 - CHANNEL FRAME AT ROOF SHALL BE A SINGLE SHOP-WELDED ASSEMBLY.
 - PROVIDE FINISH ON NEW CONCRETE TO MATCH EXISTING EXTERIOR CONCRETE SURFACES. RUB OR TEXTURE THE FINISH AS REQUIRED TO MATCH EXISTING.
 - PROVIDE VERTICAL L 202x1/4 X 11" LONG, 4'-0" OC FIELD WELDED TO CHANNEL FRAMING (1 REQUIRED). ALIGN WITH TRANSVERSE MC6 CHANNELS. FASTEN STUD TO SIDE OF EACH CHANNEL WITH (2) POWDER ACTUATED FASTENERS NEAR TOP OF ANGLE.



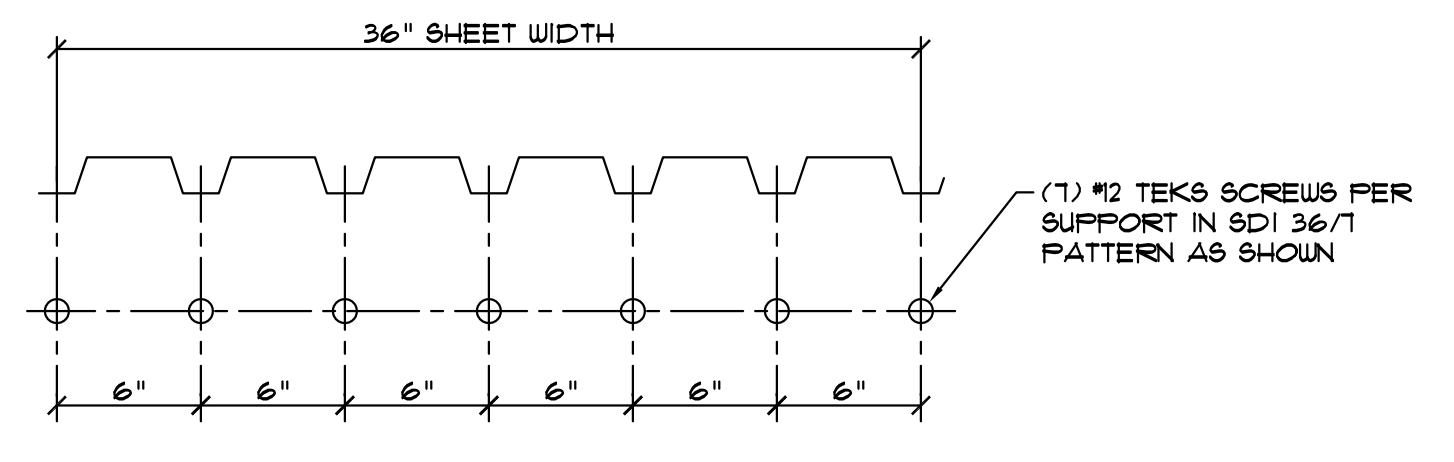
SECTION B
SCALE 3/4" = 1'-0"
S1.2

- NOTES:
- CUT OUT EXISTING CONCRETE STAIR IN THIS OPENING FLUSH WITH EXISTING CONCRETE BEAMS.
 - IF EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN ABOVE, CONTACT ARCHITECT FOR INSTRUCTIONS.
 - PROVIDE PAIRS OF HOLES 4" APART IN ANGLE @ 16" OC SO THAT BOLT LOCATIONS MAY BE ADJUSTED IF NECESSARY TO AVOID DAMAGING EXISTING BEAM REINFORCING. ANGLES MAY BE INVERTED WITH VERTICAL LEG DOWNWARD (ONLY IF NECESSARY) TO AVOID INTERFERENCE WITH REINFORCING.
 - SEE GENERAL NOTE 9 ON S11.



SECTION C
SCALE 3/4" = 1'-0"
S1.2

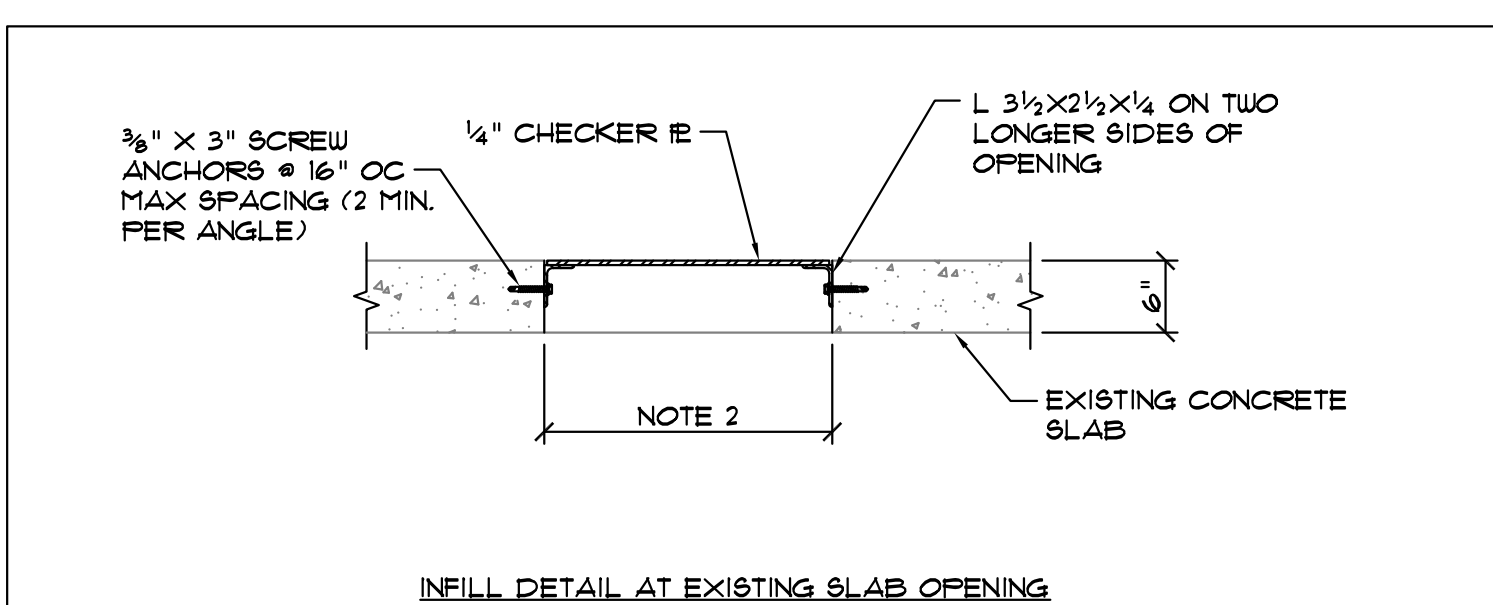
- NOTES:
- CUT OUT EXISTING CONCRETE STAIR IN THIS OPENING FLUSH WITH EXISTING CONCRETE BEAMS.
 - IF EXISTING CONDITIONS ARE DIFFERENT THAN SHOWN ABOVE, CONTACT ARCHITECT FOR INSTRUCTIONS.
 - PROVIDE PAIRS OF HOLES 4" APART IN ANGLE @ 16" OC SO THAT BOLT LOCATIONS MAY BE ADJUSTED IF NECESSARY TO AVOID DAMAGING EXISTING BEAM REINFORCING. ANGLES MAY BE INVERTED WITH VERTICAL LEG DOWNWARD (ONLY IF NECESSARY) TO AVOID INTERFERENCE WITH REINFORCING.
 - SEE GENERAL NOTE 9 ON S11.



TYPICAL ROOF DECK ATTACHMENT DETAIL

DETAIL D
SCALE 3/4" = 1'-0"
S1.2

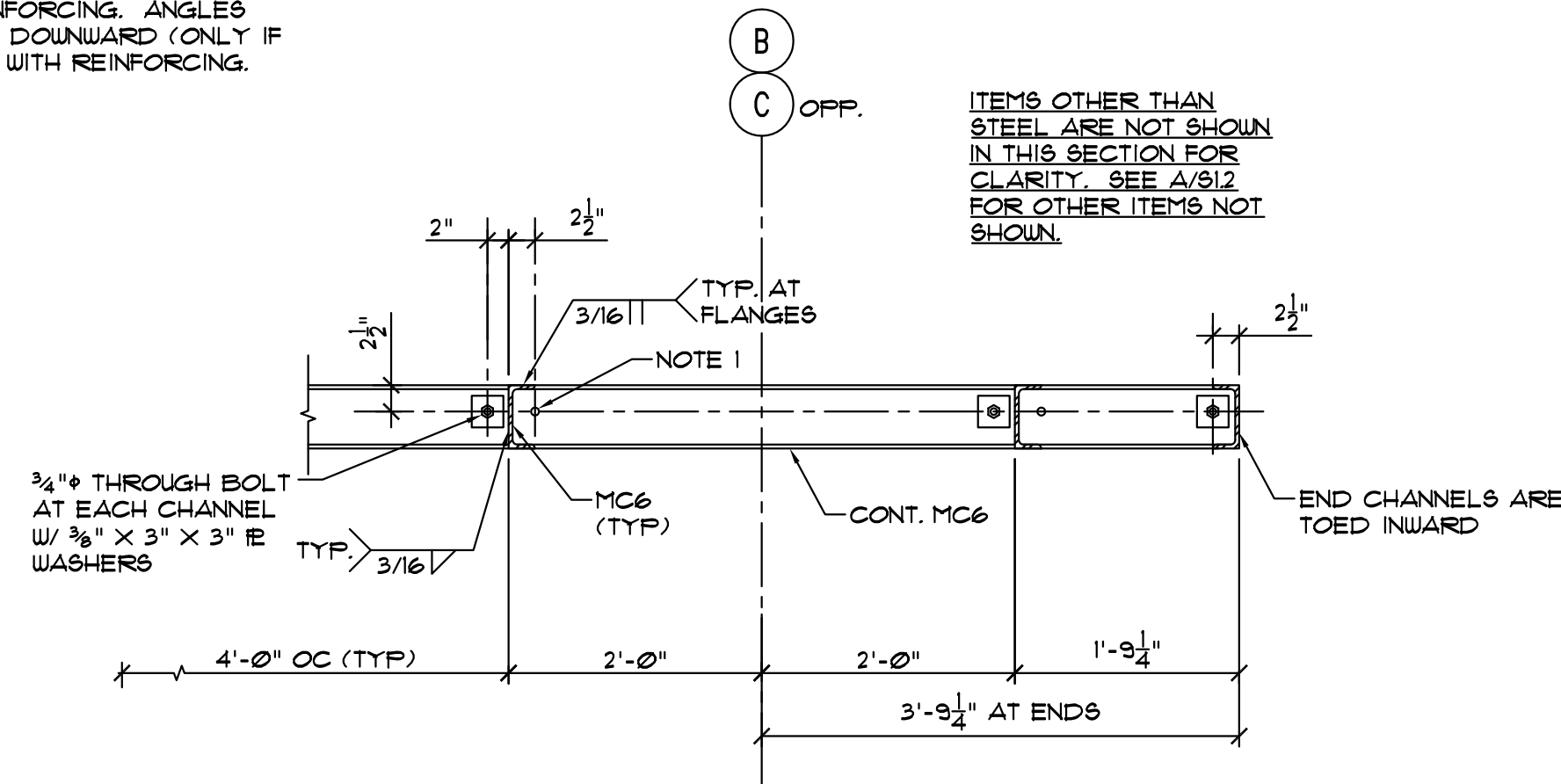
- NOTES:
- PROVIDE #12 SCREWS @ 6" OC AROUND ENTIRE PERIMETER.



OPENING INFILL DETAIL E
SCALE 3/4" = 1'-0"
S1.2

- NOTES:
- CUT OPENING BACK APPROXIMATELY 1" ON ALL SIDES AS SHOWN ABOVE. CUT EDGE SHALL BE ROUGH TO PROVIDE GOOD BOND TO NEW CONCRETE.
 - FIELD DETERMINE SIZE OF EXISTING OPENING.
 - SEE CONCRETE POST-INSTALLED ANCHOR TABLE ON S11 FOR ACCEPTABLE ADHESIVES.

ALTERNATE NO. 3

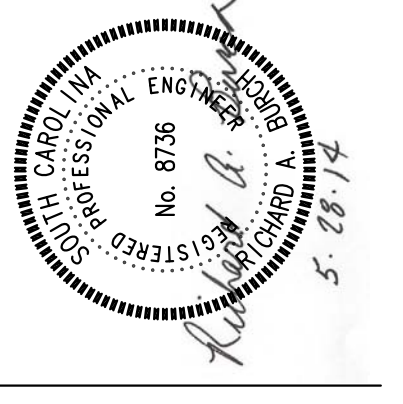


DETAIL AT ENDS OF CHANNEL

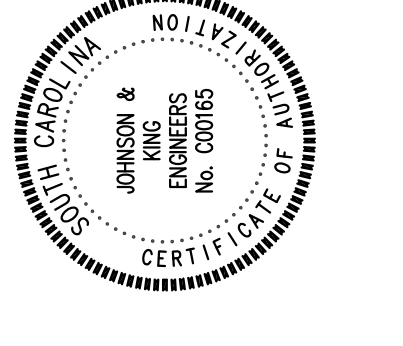
SECTION F
SCALE 3/4" = 1'-0"
S1.2

- NOTES:
- AT INTERIOR CHANNELS, PROVIDE BOLT HOLE ON BOTH SIDES OF CHANNELS AS SHOWN. THROUGH BOLT IS ONLY REQUIRED IN ONE HOLE AT EACH CHANNEL. USE EITHER BOLT HOLE AS REQUIRED IN ORDER TO AVOID DAMAGING EXISTING CONCRETE BEAM REINFORCEMENT.

ASE SEAL



CORPORATE SEAL



PROJECT TITLE

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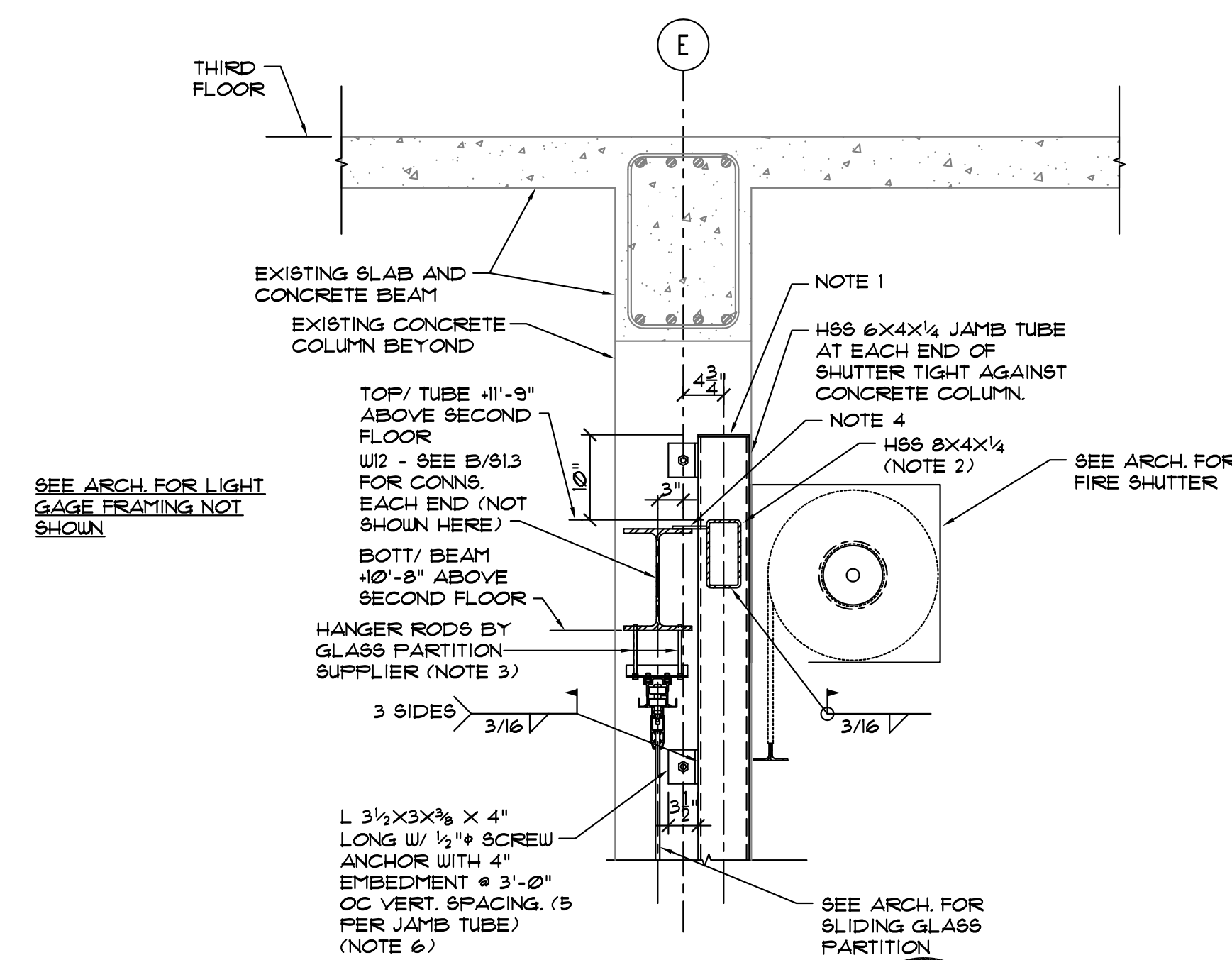
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STATE PROJECT NO. H27-2145

REVISION DATE

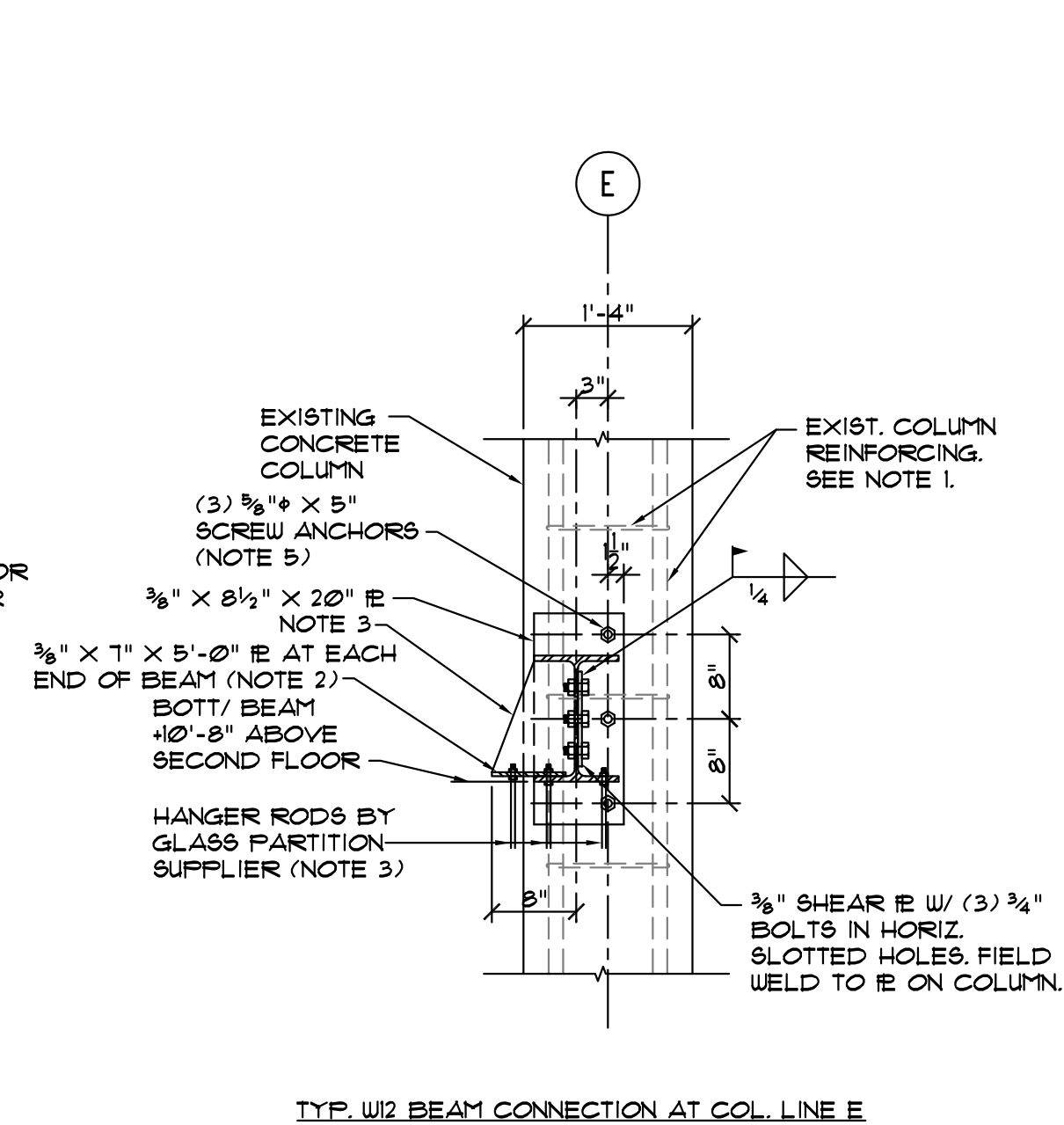
TITLE
STRUCTURAL
DETAILS

SHEET NO
S1.2



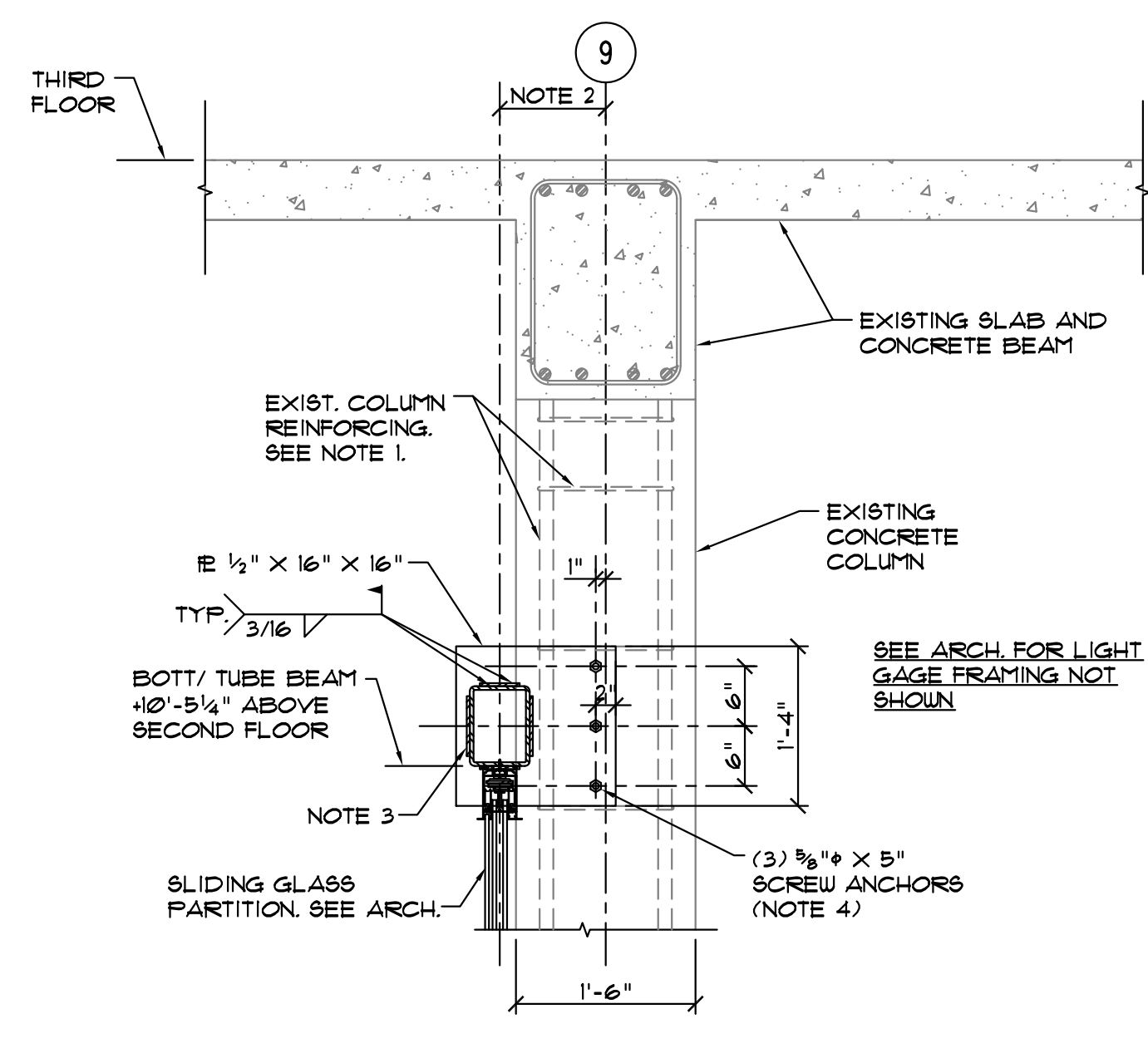
SECTION A
SCALE 3/4" = 1'-0"
S1.3

- NOTES:
1. PROVIDE 1/4" CLOSURE IE AT TOP AND BOTTOM OF EACH JAMB TUBE. GRIND SMOOTH AND FLUSH WITH TUBE ALL AROUND. BOTTOM OF JAMB TUBES BEAR ON EXISTING CONCRETE FLOOR.
 2. CONTRACTOR SHALL FIELD DETERMINE REQUIRED LENGTHS OF TUBE BEAM AND W2 BEAM BASED ON DIMENSION BETWEEN FACES OF EXISTING CONCRETE COLUMNS.
 3. PROVIDE HOLES IN BOTTOM FLANGE OF BEAM AND IN PLATE SHOWN IN B/S13 PER TEMPLATE PROVIDED BY GLASS PARTITION SUPPLIER.
 4. FIELD WELD 1/4" x 4" IE TO BEAM AND TUBE APPROXIMATELY 24" FROM EACH END OF BEAM (2 IES REQUIRED).
 5. CONFIRM DIMENSIONS AND STEEL ELEVATIONS WITH GLASS PARTITION AND FIRE SHUTTER SUPPLIERS.
 6. SEE GENERAL NOTE 9 ON S11.



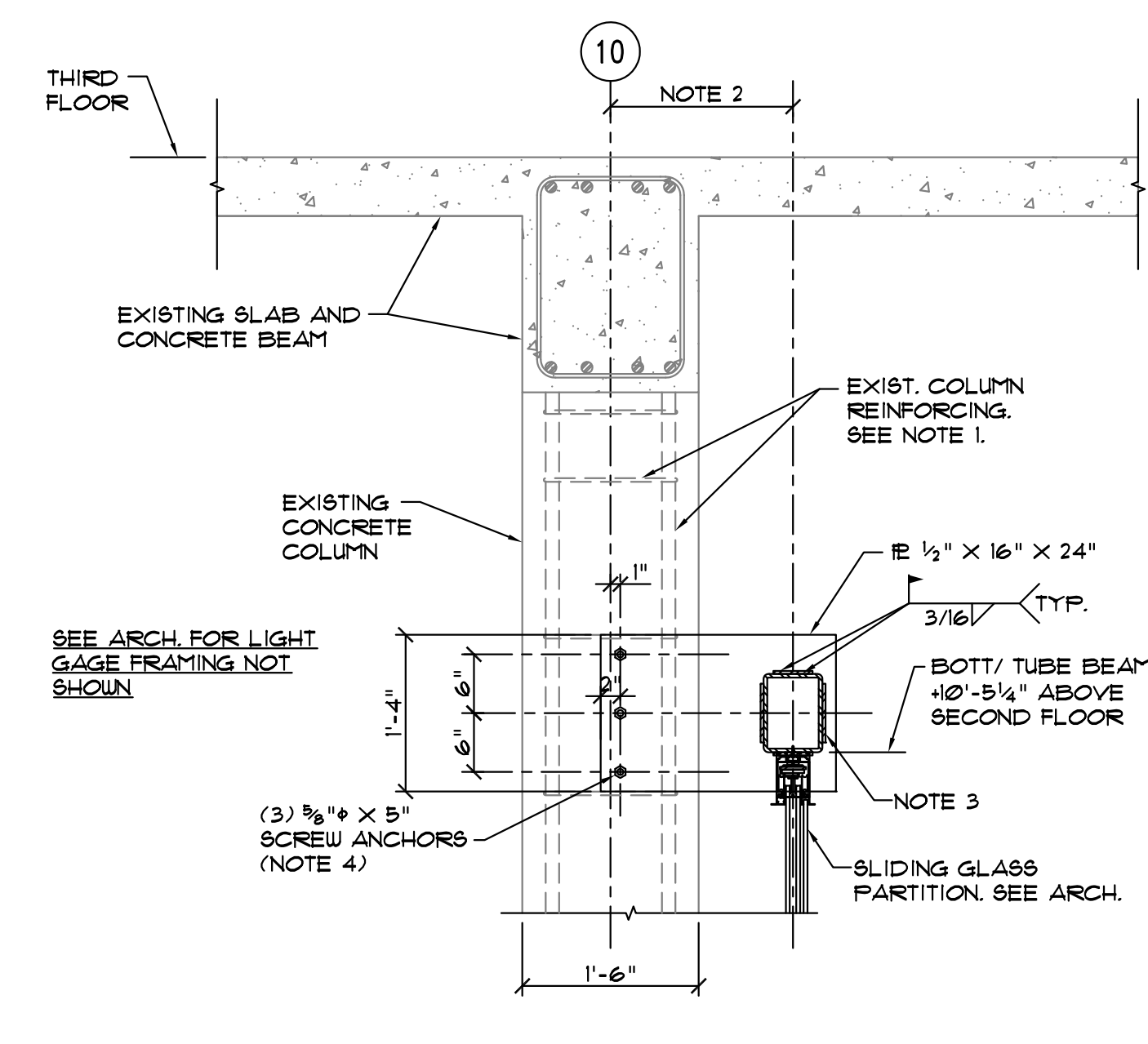
SECTION B
SCALE 3/4" = 1'-0"
S1.3

- NOTES:
1. EXISTING COLUMN REINFORCING SHOWN WITH COLUMN TIES @ 16" OC IS BASED ON THE ORIGINAL DRAWINGS. SHIFT PLATE AND SCREW ANCHORS UP OR DOWN SLIGHTLY AS REQUIRED IF NECESSARY TO AVOID DAMAGE TO EXISTING REINFORCING.
 2. PROVIDE HOLES IN BOTTOM FLANGE OF BEAM AND IN PLATE PER TEMPLATE PROVIDED BY GLASS PARTITION SUPPLIER. VERIFY IE SIZE WHERE NOTE 2 IS INDICATED WITH TEMPLATE.
 3. PROVIDE (2) 3/8" STIFFENER IES AT EACH END OF BEAM, APPROXIMATELY 12" FROM END OF BEAM AND 36" FROM END OF BEAM. VERIFY THAT STIFFENER IE LOCATIONS DO NOT INTERFERE WITH HOLES FOR GLASS PARTITION AND ADJUST STIFFENER LOCATIONS IF NECESSARY.
 4. CONFIRM DIMENSIONS AND STEEL ELEVATION WITH GLASS PARTITION SUPPLIER.
 5. SEE GENERAL NOTE 9 ON S11.



SECTION C
SCALE 3/4" = 1'-0"
S1.3

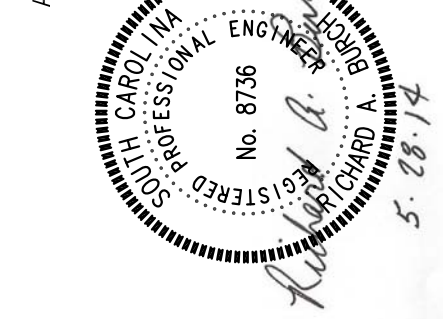
- NOTES:
1. EXISTING COLUMN REINFORCING SHOWN WITH COLUMN TIES @ 16" OC IS BASED ON THE ORIGINAL DRAWINGS. SHIFT PLATE AND SCREW ANCHORS UP OR DOWN SLIGHTLY AS REQUIRED IF NECESSARY TO AVOID DAMAGE TO EXISTING REINFORCING.
 2. CONFIRM DIMENSIONS, BEAM LOCATION AND STEEL ELEVATION WITH GLASS PARTITION SUPPLIER.
 3. PROVIDE 1/4" x 4" x 4" IES AT TOP AND BOTTOM OF TUBE AND PROVIDE 1/4" x 4" x 6" IES ON SIDES OF TUBE. FIELD WELD TO TUBE AND TO 1/2" IE ON COLUMN. GAP BETWEEN TUBE AND 1/2" IE ON EACH END SHALL BE 3/4" OR LESS.
 4. SEE GENERAL NOTE 9 ON S11.



SECTION D
SCALE 3/4" = 1'-0"
S1.3

- NOTES:
1. EXISTING COLUMN REINFORCING SHOWN WITH COLUMN TIES @ 16" OC IS BASED ON THE ORIGINAL DRAWINGS. SHIFT PLATE AND SCREW ANCHORS UP OR DOWN SLIGHTLY AS REQUIRED IF NECESSARY TO AVOID DAMAGE TO EXISTING REINFORCING.
 2. CONFIRM DIMENSIONS, BEAM LOCATION AND STEEL ELEVATION WITH GLASS PARTITION SUPPLIER.
 3. PROVIDE 1/4" x 4" x 4" IES AT TOP AND BOTTOM OF TUBE AND PROVIDE 1/4" x 4" x 6" IES ON SIDES OF TUBE. FIELD WELD TO TUBE AND TO 1/2" IE ON COLUMN. GAP BETWEEN TUBE AND 1/2" IE ON EACH END SHALL BE 3/4" OR LESS.
 4. SEE GENERAL NOTE 9 ON S11.

AS SEAL



CORPORATE SEAL



PROJECT TITLE

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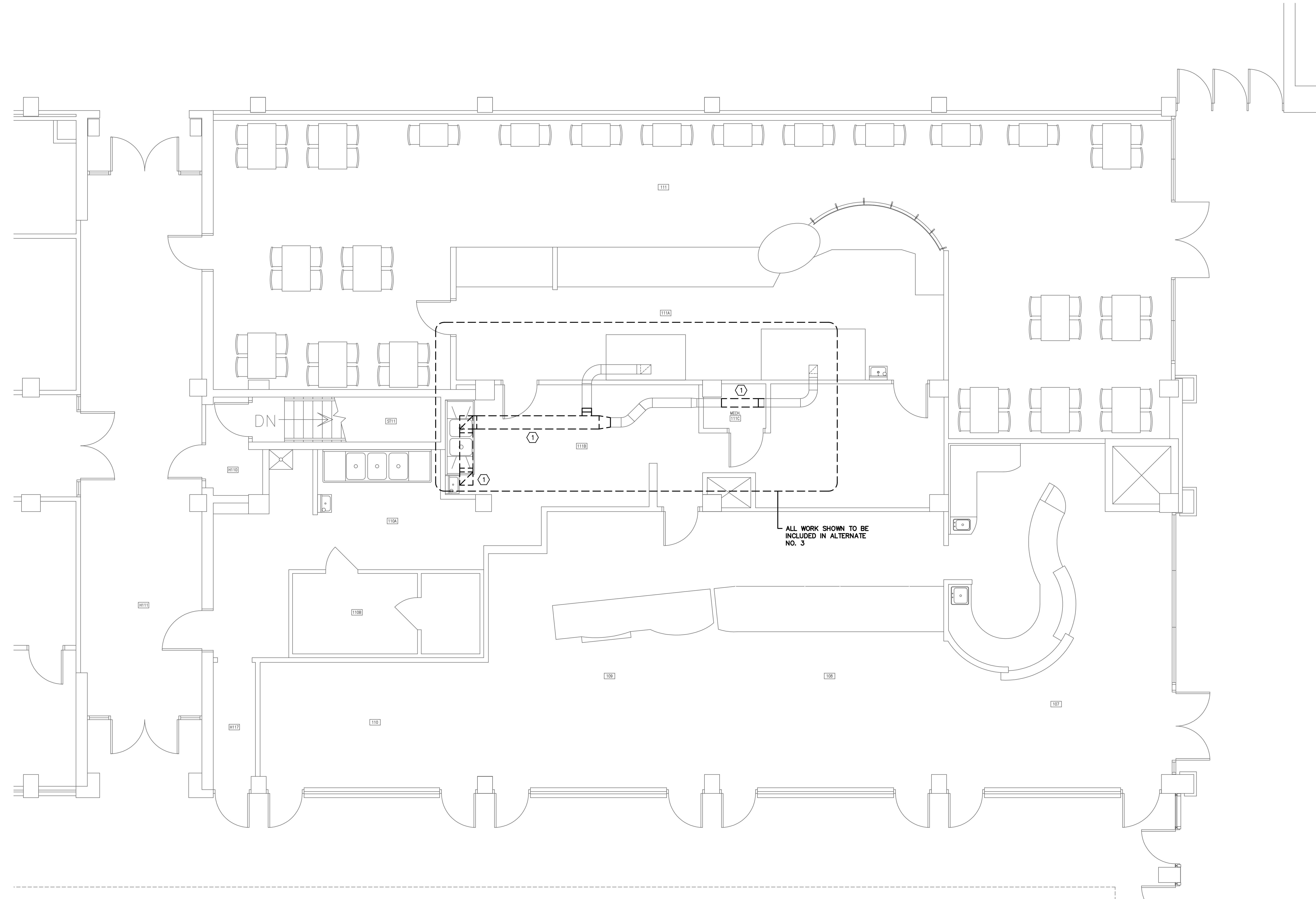
PHASE	BID SET
ISSUE DATE	05/20/14
PROJECT NO.	14.150.00
STATE PROJECT NO.	H27-2145
REVISION	DATE

TITLE
STRUCTURAL DETAILS

SHEET NO.
S1.3

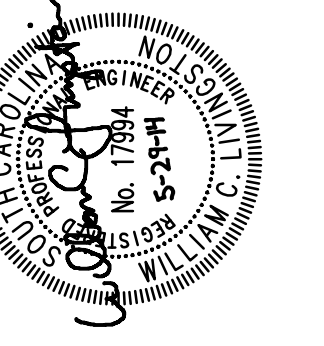
DEMOLITION NOTES

① REMOVE EXISTING GREASE DUCT THROUGH FLOOR ABOVE AND BACK TO HOOD AS SHOWN.

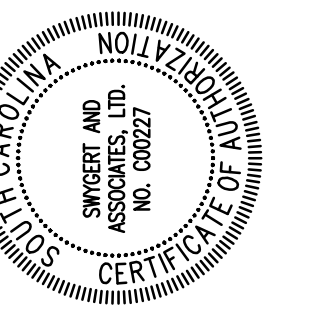


ALL WORK SHOWN TO BE INCLUDED IN ALTERNATE NO. 3

ARE SEAL



CORPORATE SEAL



PROJECT TITLE

RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SC

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PHASE
BID SET

ISSUE DATE 05/29/14
PROJECT NO. 14.150.00
STATE PROJECT NO. H27-2145
REVISION DATE

TITLE
FIRST FLOOR DEMOLITION PLAN

SHEET NO

MD1.1

Swygart & Associates
CONSULTING ENGINEERS

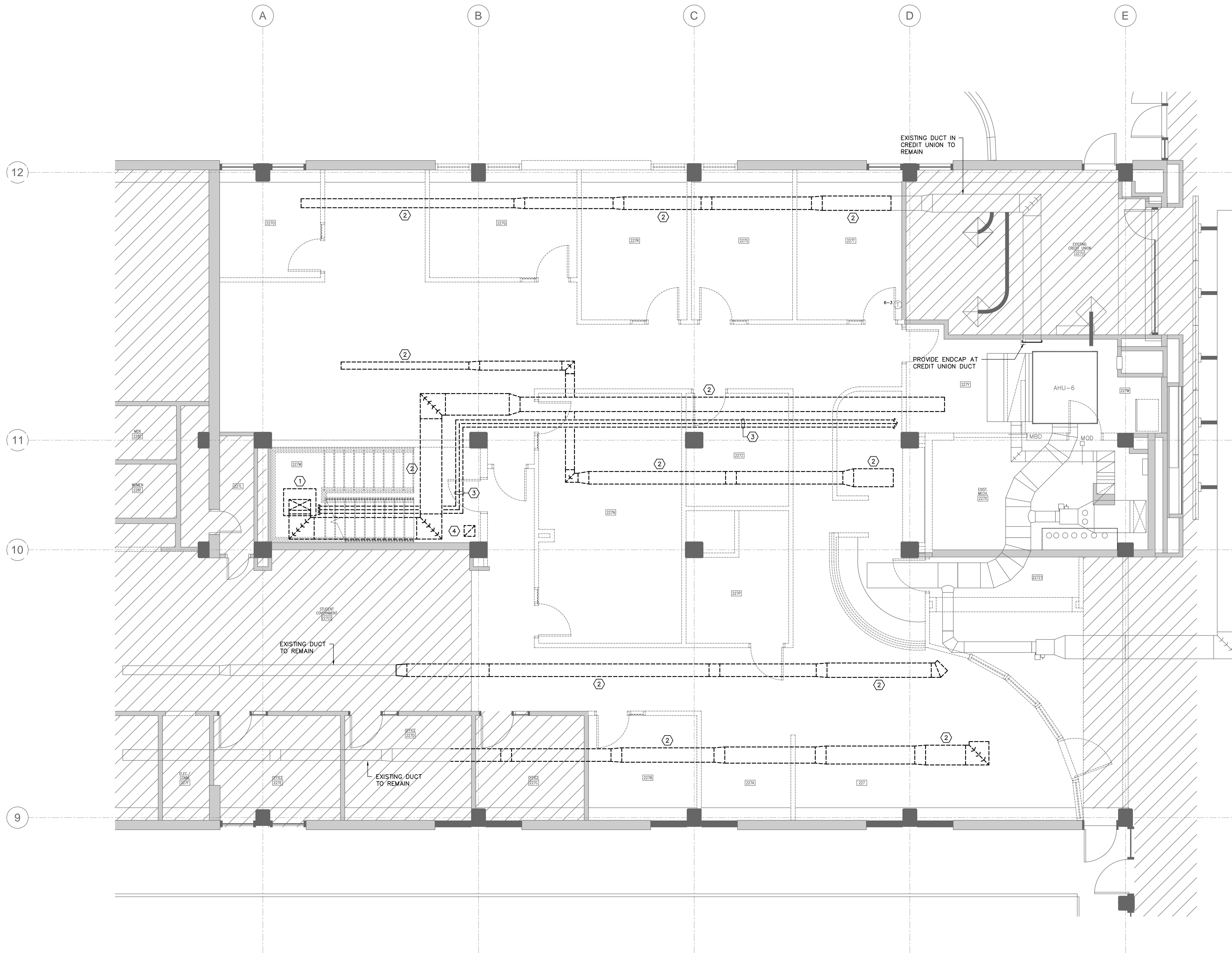
DBA Swygart & Assoc., Ltd. Telephone: (803) 791-9300
Post Office Box 11886 Fax/Facsimile: (803) 791-9300
Columbia, S.C. 29211 mol@swygart-associates.com

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

N:\PROJECTS\13525\DRAWINGS\HVAC\13525-MD1-1.dwg

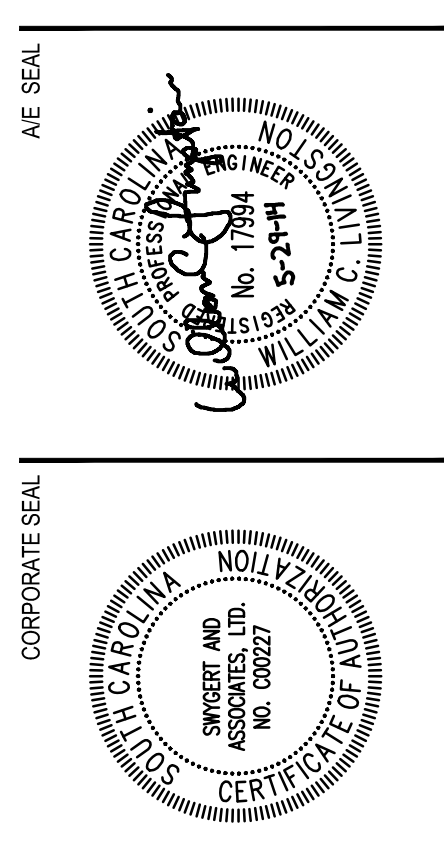
DEMOLITION NOTES

- ① REMOVE EXISTING AIR HANDLING UNIT COMPLETE INCLUDING ALL DUCT, PIPING, WIRING, AND CONTROLS.
- ② REMOVE ALL EXISTING DUCTWORK AND GRILLES ABOVE CEILING COMPLETE. ALL EXISTING DUCTWORK, ACTIVE AND ABANDONED, SHALL BE REMOVED.
- ③ REMOVE EXISTING STEAM AND CHILLED WATER PIPE COMPLETE BACK TO MAINS AND CAP PIPES.
- ④ REMOVE EXISTING GREASE DUCT THROUGH FLOOR BELOW AND UP TO A POINT ABOVE THE CEILING.



1 SECOND FLOOR DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

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 UNIVERSITY OF SOUTH CAROLINA
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PHASE: BID SET
 ISSUE DATE: 05/29/14
 PROJECT NO.: 14.150.00
 STATE PROJECT NO.: H27-2145
 REVISION: DATE

TITLE: SECOND FLOOR DEMOLITION PLAN

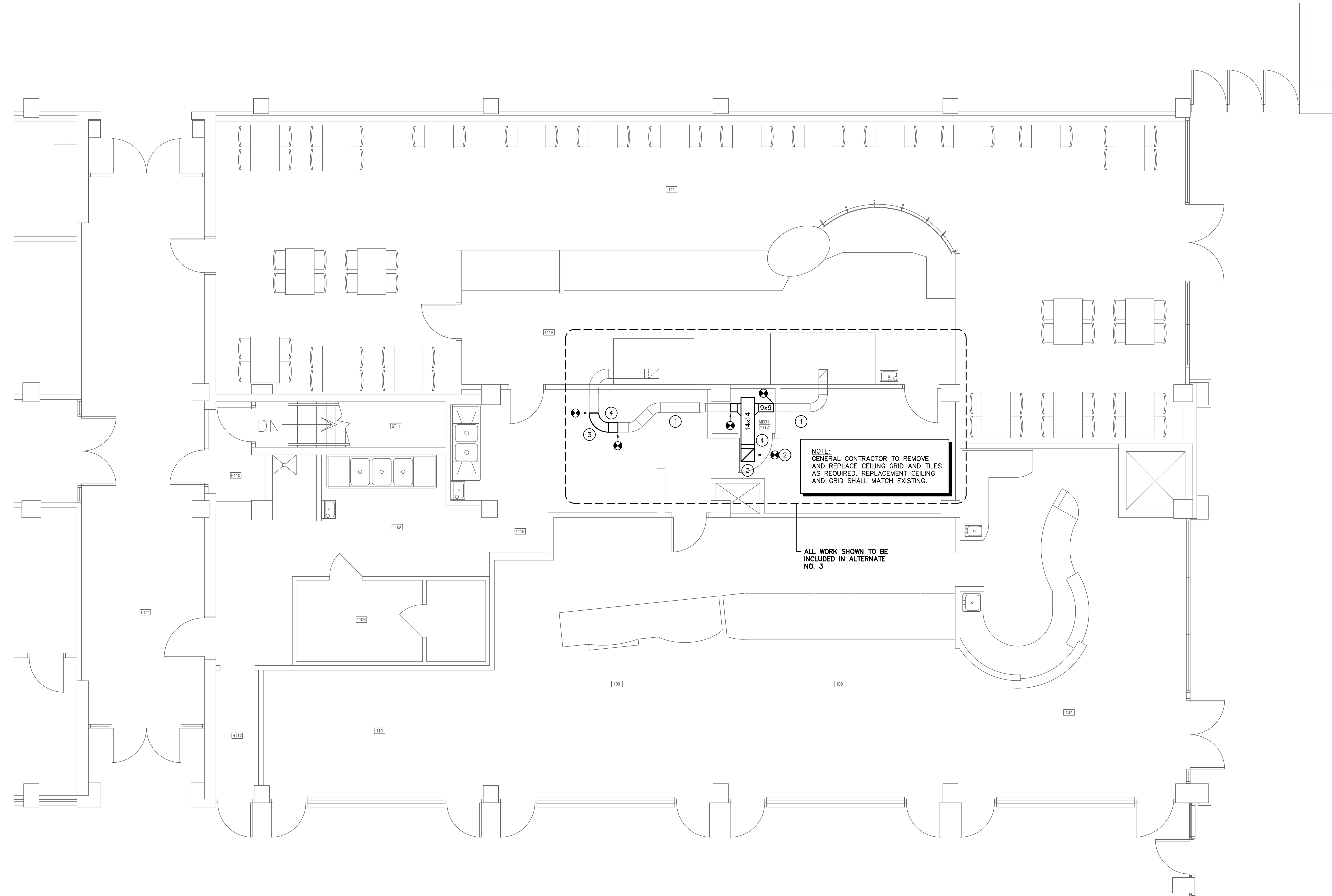
SHEET NO: MD1.2

N:\PROJECTS\13525\DRAWINGS\HVAC\13525-MD1_2.dwg

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NOTES TO SHEET

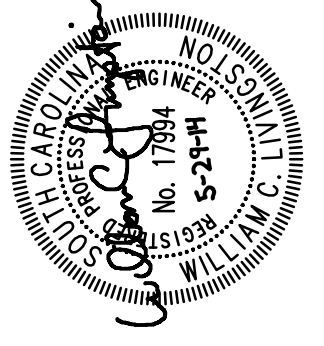
- ① WRAP ALL GREASE DUCT WITH 0" CLEARANCE DUCT WRAP BACK TO HOOD.
- ② DUCT TURNS UP TO SECOND FLOOR ABOVE. FIRE SEAL DUCT PENETRATION.
- ③ PROVIDE DUCT CLEANOUT DOORS IN CHANGES OF DIRECTION.
- ④ SLOPE DUCT BACK TO HOOD 1/4" PER FOOT MINIMUM.



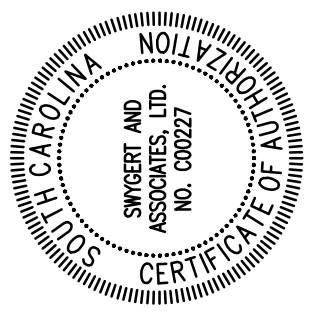
NOTE:
GENERAL CONTRACTOR TO REMOVE
AND REPLACE CEILING GRID AND TILES
AS REQUIRED. REPLACEMENT CEILING
AND GRID SHALL MATCH EXISTING.

ALL WORK SHOWN TO BE
INCLUDED IN ALTERNATE
NO. 3

A/E SEAL



CORPORATE SEAL



PROJECT TITLE

RUSSELL HOUSE LEADERSHIP &
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UNIVERSITY OF SOUTH CAROLINA
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STATE PROJECT NO.	H27-2145
REVISION	DATE

TITLE
FIRST FLOOR PLAN

SHEET NO.
M1.1

Swygart & Associates
CONSULTING ENGINEERS

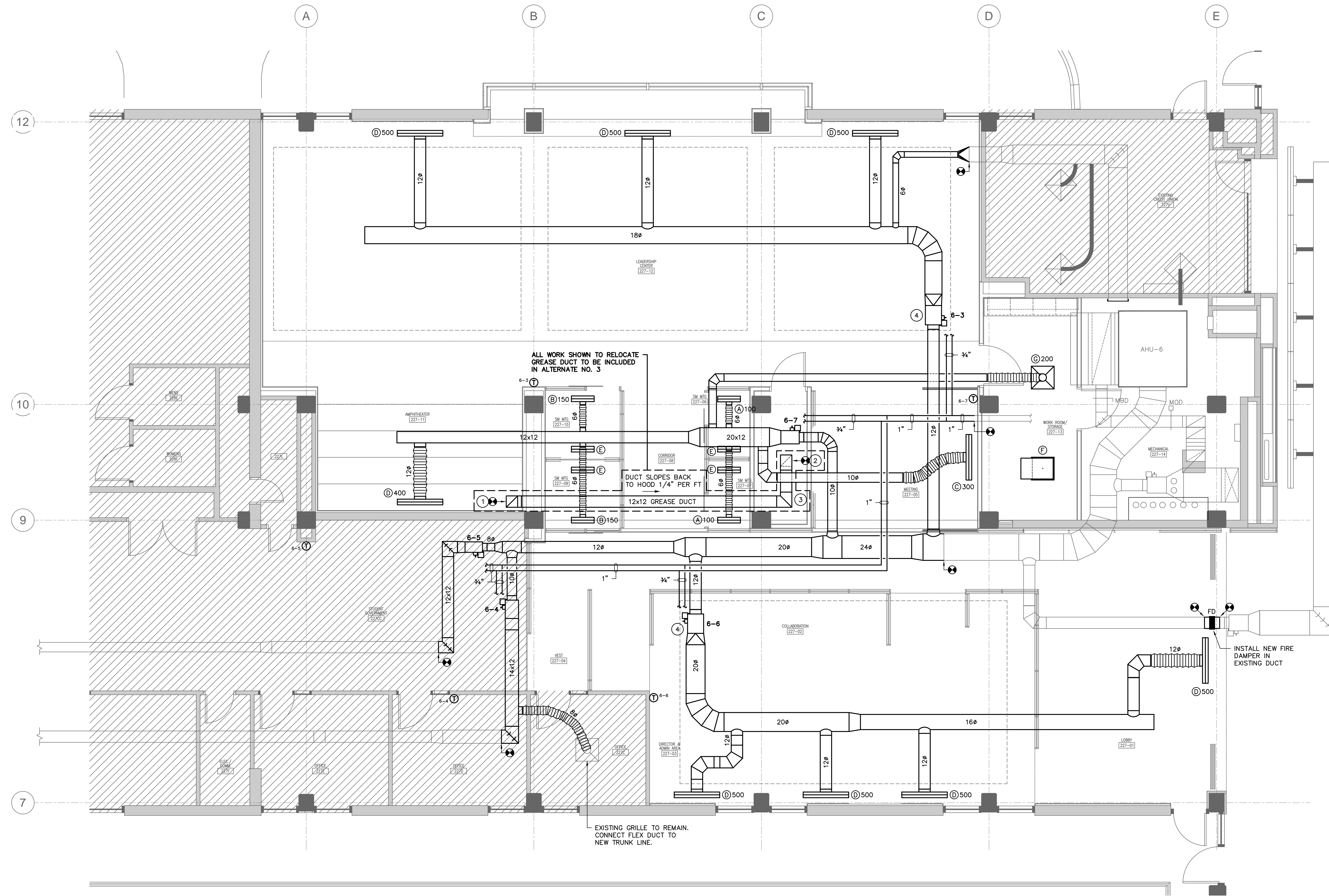
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Post Office Box 11886 Fax: (803) 791-9300
Columbia, S.C. 29211 mol@swygart-associates.com

1 FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

N:\PROJECTS\13525\DRAWINGS\HVAC\13525-M1-1.dwg

NOTES TO SHEET

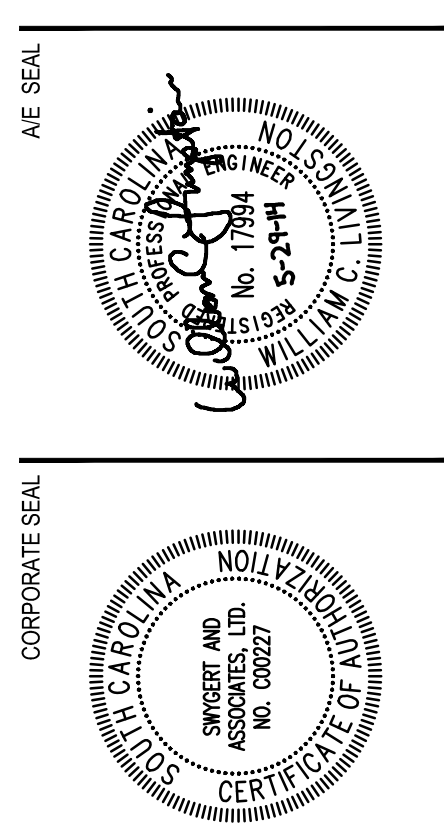
- 1 CONNECT TO EXISTING GREASE DUCT ABOVE.
- 2 DUCT TURNS DOWN TO FIRST FLOOR BELOW. FIRE SEAL DUCT PENETRATION.
- 3 PROVIDE DUCT CLEANOUT DOORS IN CHANGES OF DIRECTION.
- 4 VAV TO BE ACCESSED FROM OPEN EDGE OF WOOD CEILING. CONCEAL VAV OVER CEILING AS MUCH AS POSSIBLE.



1 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

Swygart & Associates
CONSULTING ENGINEERS

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UNIVERSITY OF SOUTH CAROLINA
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ISSUE DATE 05/29/14
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STATE PROJECT NO. H27-2145
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TITLE
SECOND FLOOR PLAN

SHEET NO
M1.2

N:\PROJECTS\13525\DRAWINGS\HVAC\13525-M2_1.dwg

VARIABLE VOLUME BOX SCHEDULE									
TAG	ETI MODEL	AIR INLET (NOM. DIA.)	CFM		HEATING COIL		MAX. COIL P.D. FEET W.G.	MAX. UNIT P.D. INCHES W.C.	REMARKS
			MAXIMUM	MINIMUM	MBH	GPM			
6-3	SDR	12	1,700	510	34	2.3	1.8	0.25	1,2
6-4	SDR	10	1,400	420	34	2.3	1.8	0.25	1,2
6-5	SDR	8	900	270	20	1.4	0.6	0.25	1,2
6-6	SDR	12	2,000	600	48	3.3	4.3	0.25	1,2
6-7	SDR	10	1,400	420	34	2.3	1.4	0.25	1,2

1. HEATING COIL SELECTION BASED ON 160°F EWT WITH 30°F DROP.
2. PROVIDE ACCESS DOOR FOR COIL CLEANING.

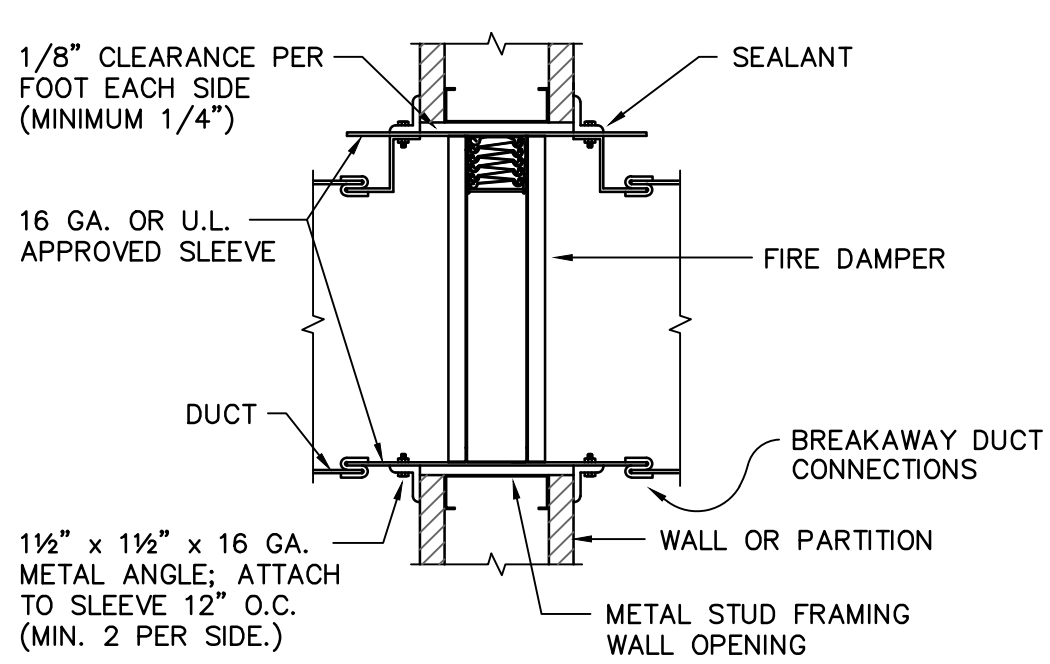
AIR DISTRIBUTION SCHEDULE									
TAG	DESCRIPTION	MANUFACTURER	MODEL	FRAME	CFM	NECK SIZE	FACE SIZE	MAX NC	REMARKS
(A)	SLOT DIFFUSER	PRICE	SDBI00	SURFACE	100	6"ø	24" LONG	30	1,2,3
(B)	SLOT DIFFUSER	PRICE	SDBI00	SURFACE	150	6"ø	24" LONG	30	1,2,3
(C)	SLOT DIFFUSER	PRICE	SDBI00	SURFACE	300	10"ø	48" LONG	30	1,2,4
(D)	SLOT DIFFUSER	PRICE	SDBI00	SURFACE	400-500	12"ø	48" LONG	30	1,2,5
(E)	SLOT RETURN	PRICE	SDRI00	SURFACE	100	OPEN	24" LONG	30	1,2,6
(F)	PERFORATED RETURN	PRICE	APDDR	LAY-IN	0-1000	22"x22"	24"x24"	30	1,2
(G)	PERFORATED SUPPLY	PRICE	APDC	LAY-IN	1200	8"ø	24"x24"	30	1,2

1. PROVIDE WITH STANDARD WHITE FINISH.
2. PROVIDE ALUMINUM OR ALUMINIZED STEEL CONSTRUCTION.
3. PROVIDE SLOT DIFFUSER WITH ONE 1" SLOT, INSULATED PLENUM AND VOLUME DAMPER IN PLENUM NECK.
4. PROVIDE SLOT DIFFUSER WITH THREE 1" SLOTS, INSULATED PLENUM AND VOLUME DAMPER IN PLENUM NECK.
5. PROVIDE SLOT DIFFUSER WITH FOUR 1" SLOTS, INSULATED PLENUM AND VOLUME DAMPER IN PLENUM NECK.
6. PROVIDE SLOT RETURN WITH ONE 1" SLOT.

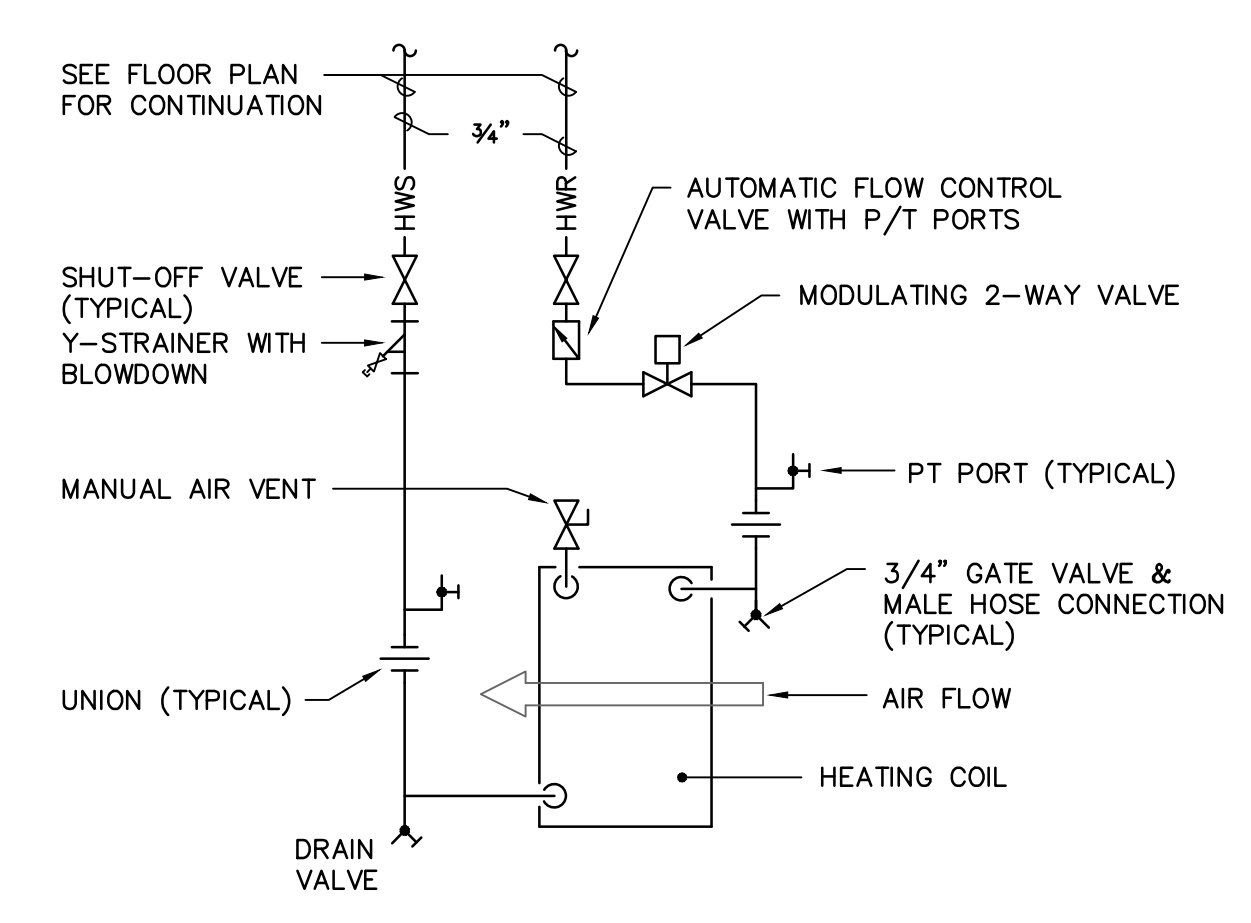
DESIGN CONDITIONS		
SEASON	OUTSIDE	INSIDE
SUMMER	97° FDB / 78° FWB	75° FDB / 50% RH
WINTER	22° FDB	70° FDB

- ### GENERAL NOTES
- VISIT SITE PRIOR TO BIDDING. THIS CONTRACTOR SHALL DETERMINE DIFFICULTY OF INSTALLATION AND REFLECT THIS IN HIS BIDDING.
 - DO NOT SCALE DRAWINGS. THIS CONTRACTOR SHALL VERIFY ALL EXISTING ITEMS AND LOCATIONS IN THE FIELD.
 - ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE.
 - EXISTING PIPE, DUCTWORK, CONDUIT, ETC. THAT INTERFERES WITH THE ROUTING OF NEW SYSTEMS SHALL BE RELOCATED. THIS CONTRACTOR SHALL INCLUDE THE COST OF SUCH IN HIS BID UNLESS NOTED OTHERWISE.
 - WATER SYSTEMS SHALL BE DRAINED AS REQUIRED FOR INSTALLATION OF WORK. UPON COMPLETION, SYSTEM SHALL BE FILLED WITH WATER AND VENTED OF ALL AIR.
 - ALL PIPING AND DUCTWORK INSULATION SHALL BE RUN CONTINUOUSLY THROUGH FLOORS, ROOFS AND PARTITIONS.
 - ALL MECHANICAL ITEMS EXTENDING THROUGH WALLS FLASHED.
 - ALL PIPING IS SHOWN DIAGRAMMATIC. HOWEVER, THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED FITTINGS, PIPING AND INSULATION FOR ALL OFFSETS AND/OR CHANGES IN ELEVATION.
 - EXTEND ALL DRAIN LINES TO NEAREST FLOOR DRAIN OR AS INDICATED - SO ROUTED AS TO AVOID INTERFERENCE WITH PASSAGEWAYS AND MAINTENANCE. DRAINS FROM AIR HANDLING UNITS SHALL BE TRAPPED PER STATIC PRESSURE REQUIREMENTS.
 - ALL WATER PIPING SHALL PITCH DOWN IN DIRECTION OF FLOW ONE-INCH PER FIFTY FEET WITH MANUAL AIR VENTS AT ALL HIGH POINTS AND 3/4-INCH DRAIN VALVES WITH STANDARD HOSE CONNECTION AT ALL LOW POINTS.
 - ALL VALVES AND SPECIALTIES SHALL BE LINE SIZE UNLESS NOTED OTHERWISE. USING ECCENTRIC REDUCERS ON PUMP SUCTION AND CONCENTRIC REDUCERS ON PUMP DISCHARGE. USE ECCENTRIC REDUCERS ON AUTOMATIC VALVES AS REQUIRED.
 - ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS AND FURTHER SUPPORTS OR HANGERS SHALL BE PROVIDED TO PREVENT WEIGHT OF PIPING BEING PLACED ON EQUIPMENT.
 - SPACE ABOVE CEILING TO BE USED AS RETURN AIR PLENUM WHERE DUCT IS NOT INDICATED ABOVE RETURN AIR GRILLES.
 - ALL OPEN END DUCTS SHALL HAVE 1/4-INCH MESH GALVANIZED SCREEN IN REMOVABLE FRAME.
 - ALL ITEMS OF EQUIPMENT IN MECHANICAL ROOM SHALL BE LOCATED ON REINFORCED CONCRETE FOUNDATIONS, MINIMUM 6-INCH THICK OR AS DETAILED ON THESE PLANS AND SPECIFICATIONS AND 6 INCHES LARGER THAN EQUIPMENT IN EACH DIRECTION. PADS SHALL BE REINFORCED PER THE HOUSEKEEPING PAD SECTION OF THE ASHRAE PRACTICAL GUIDE FOR SEISMIC RESTRAINT. ALL UNITS SHALL BE SECURED TO THE HOUSEKEEPING PADS WITH SEISMIC RESTRAINTS. PROVIDE 1-INCH CHAMFERS ON ALL SIDES.
 - PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
 - INSTALL ALL VAV BOXES WITHIN 24" OF CEILING TO ALLOW FOR SERVICE ACCESS.
 - THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.
 - LOCATE ALL SPACE CONTROL INSTRUMENTS 4'-0" ABOVE FINISHED FLOOR.
 - CAP PNEUMATIC LINES AS REQUIRED DURING DEMOLITION TO MAINTAIN OPERABLE SYSTEM.
 - THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY DISMANTLING OF EQUIPMENT TO BE REMOVED. ITEMS REMOVED UNDER THIS CONTRACT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.
 - THIS CONTRACTOR SHALL PATCH ALL WALLS AND FINISHES TO MATCH EXISTING WHERE ALL ITEMS OR EQUIPMENT ARE REMOVED.

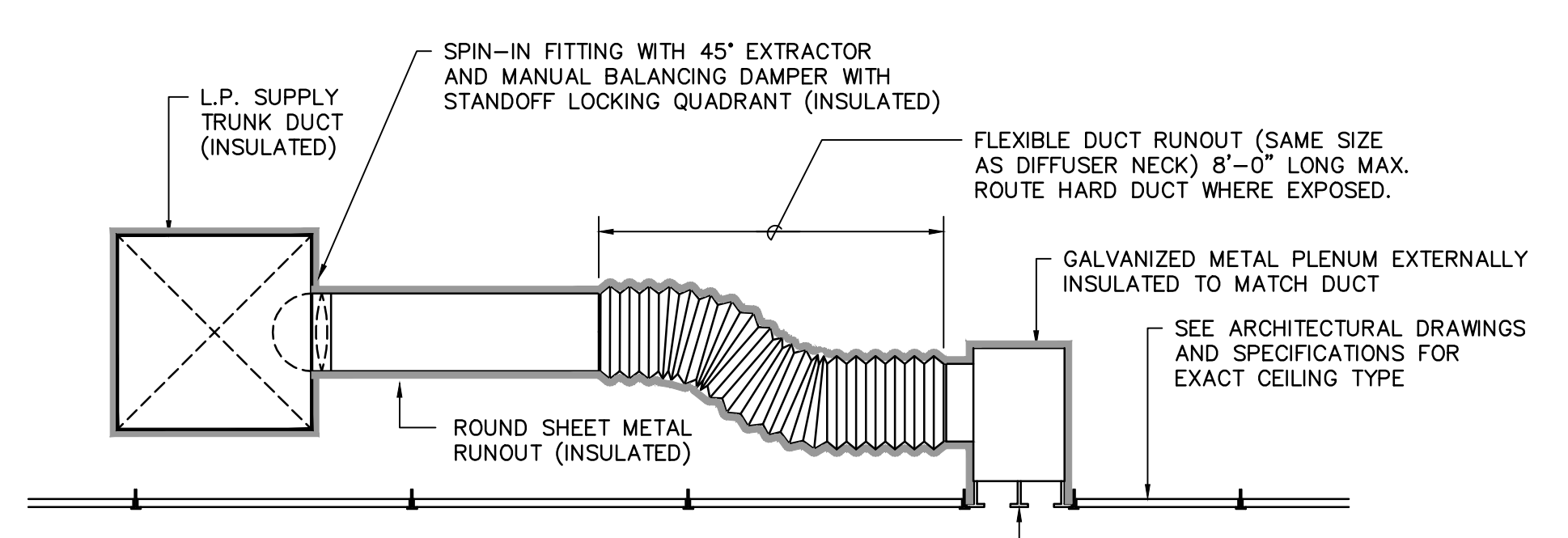
- ### NOTES:
- PROVIDE FIRE DAMPERS FOR ALL WALLS INDICATED. SEE ARCHITECTURAL DRAWINGS FOR WALL TYPES.
 - PROVIDE DUCT ACCESS DOORS.
 - PROVIDE ALL CEILING, FLOOR, OR WALL ACCESS DOORS NECESSARY FOR ACCESS TO FIRE DAMPERS.
 - INSTALLATION SHALL COMPLY WITH SMACNA, NFPA 90A, 2012 IBC, UL555, AND LOCAL AUTHORITIES.
 - FOR EXTERNALLY WRAPPED DUCT, BLANKET INSULATION SHALL BE INSTALLED OVER ANGLES AND SEALED TO WALL.
 - SLEEVE SHALL BE MANUFACTURED AS AN INTEGRAL PART OF FIRE DAMPER.
 - IN ALL INSTANCES MANUFACTURER'S UL LISTED INSTALLATION INSTRUCTIONS SHALL BE USED FOR DAMPER INSTALLATION.



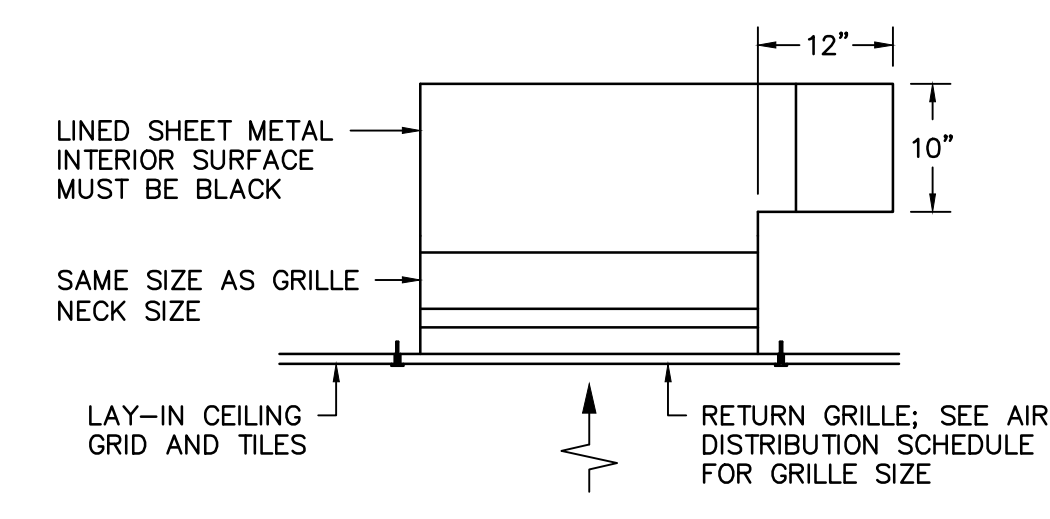
FIRE DAMPER DETAIL
NO SCALE



VAV HEATING COIL PIPING DETAIL
NO SCALE



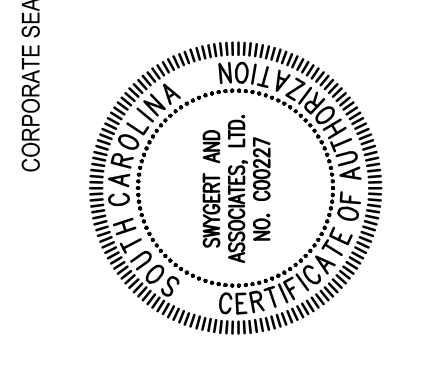
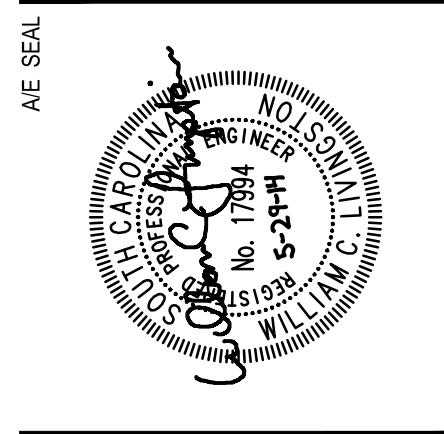
SLOT DIFFUSER DETAIL
NO SCALE



RETURN GRILLE DETAIL
NO SCALE

LEGEND	
SYMBOL	DESCRIPTION
	CHILLED WATER SUPPLY LINE
	CHILLED WATER RETURN LINE
	HOT WATER SUPPLY LINE
	HOT WATER RETURN LINE
	SHUTOFF VALVE
	STRAINER WITH BLOWDOWN
	BALANCING VALVE
	UNION
	PIPE TURNS TO, AWAY
	THERMOMETER / PRESSURE GAGE
	THERMOMETER WELL CAPPED / GAGE COCK
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
(A)100	TYPE "A" DIFFUSER, 100 CFM
	THERMOSTAT
MBD	MANUAL OPPOSED BLADE BALANCING DAMPER
MOD	MOTOR OPERATED OPPOSED BLADE DAMPER
	RECTANGULAR SUPPLY DUCTWORK
	OVAL SUPPLY DUCTWORK
	RETURN, EXHAUST, FRESH AIR DUCTWORK
48x24	48"x24" RECTANGULAR DUCT
48/24	48"x24" OVAL DUCT
	CONNECTION POINT OF NEW TO EXISTING

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CORPORATE SEAL
PROJECT TITLE

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 UNIVERSITY OF SOUTH CAROLINA
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PHASE
 BID SET
 ISSUE DATE: 05/29/14
 PROJECT NO.: 14.150.00
 STATE PROJECT NO.: H27-2145
 REVISION: DATE

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 mol@swygart-associates.com

TITLE
DETAILS, NOTES, SCHEDULES, AND LEGEND

SHEET NO.
M2.1

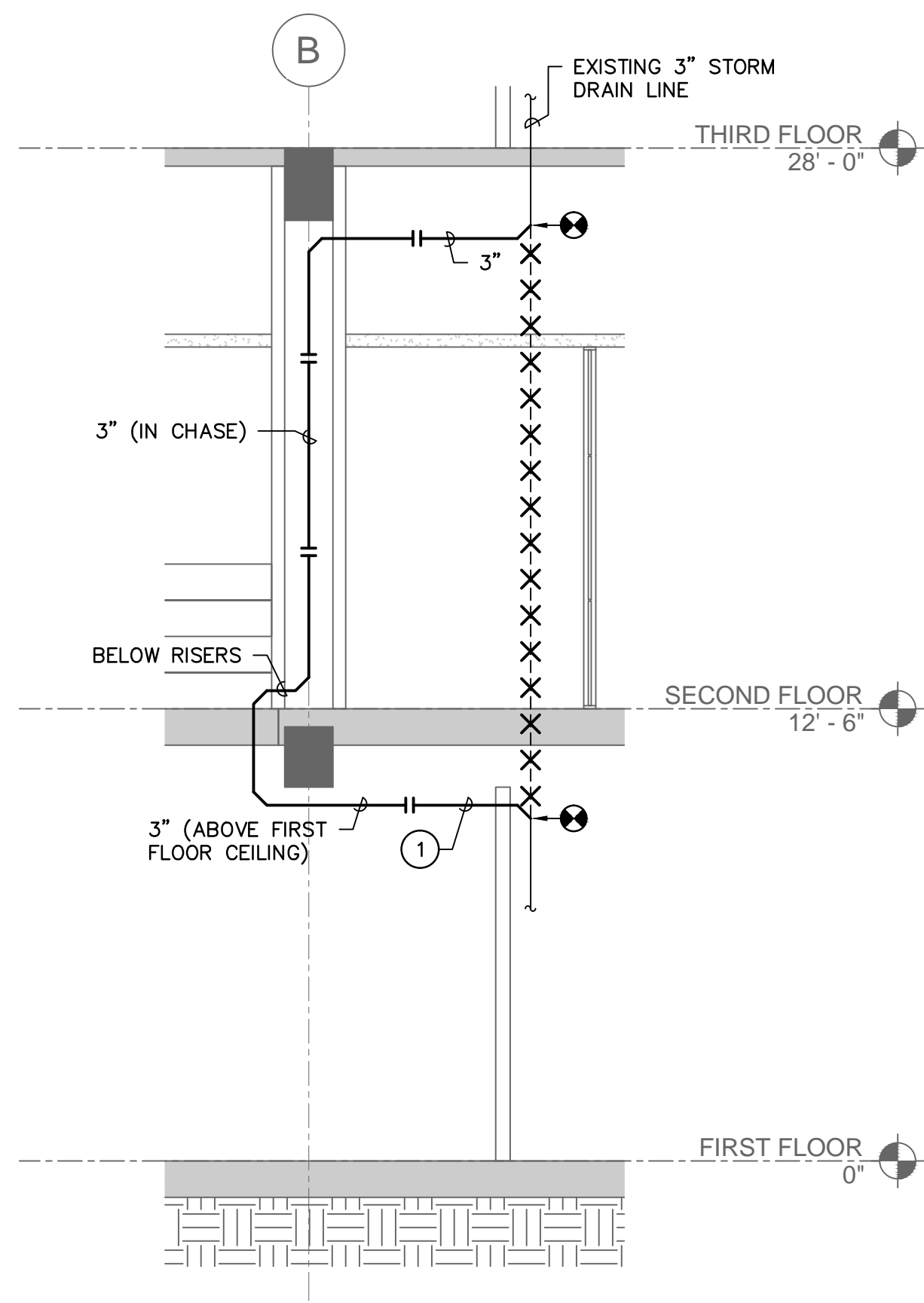
PLUMBING FIXTURE SCHEDULE							
P. NO.	FIXTURE	MFR.	NAME	MFRS. NO.	SIZE	MIN. SUPPLY	REMARKS
RD	ROOF DRAIN	ZURN	---	Z180	---	---	WITH CAST IRON BODY, PLAIN BRONZE DOME, AND MEMBRANE FLASHING CLAMP.
ORD	OVERFLOW ROOF DRAIN	ZURN	---	Z180	---	---	WITH CAST IRON BODY, PLAIN BRONZE DOME, AND MEMBRANE FLASHING CLAMP.

- GENERAL NOTES**
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2012 INTERNATIONAL PLUMBING CODE.
 - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
 - EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS NOTED OTHERWISE, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
 - COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
 - STORM DRAINAGE PIPING SHALL PITCH A MINIMUM OF 1/8-INCH PER FOOT.
 - THIS CONTRACTOR SHALL MAKE ALL CONNECTIONS TO ROOF DRAINS AND OVERFLOW ROOF DRAINS INSTALLED BY GENERAL CONTRACTOR. PLUMBING CONTRACTOR SHALL FURNISH ROOF DRAINS AND OVERFLOW ROOF DRAINS TO GENERAL CONTRACTOR FOR INSTALLATION BY OTHERS.

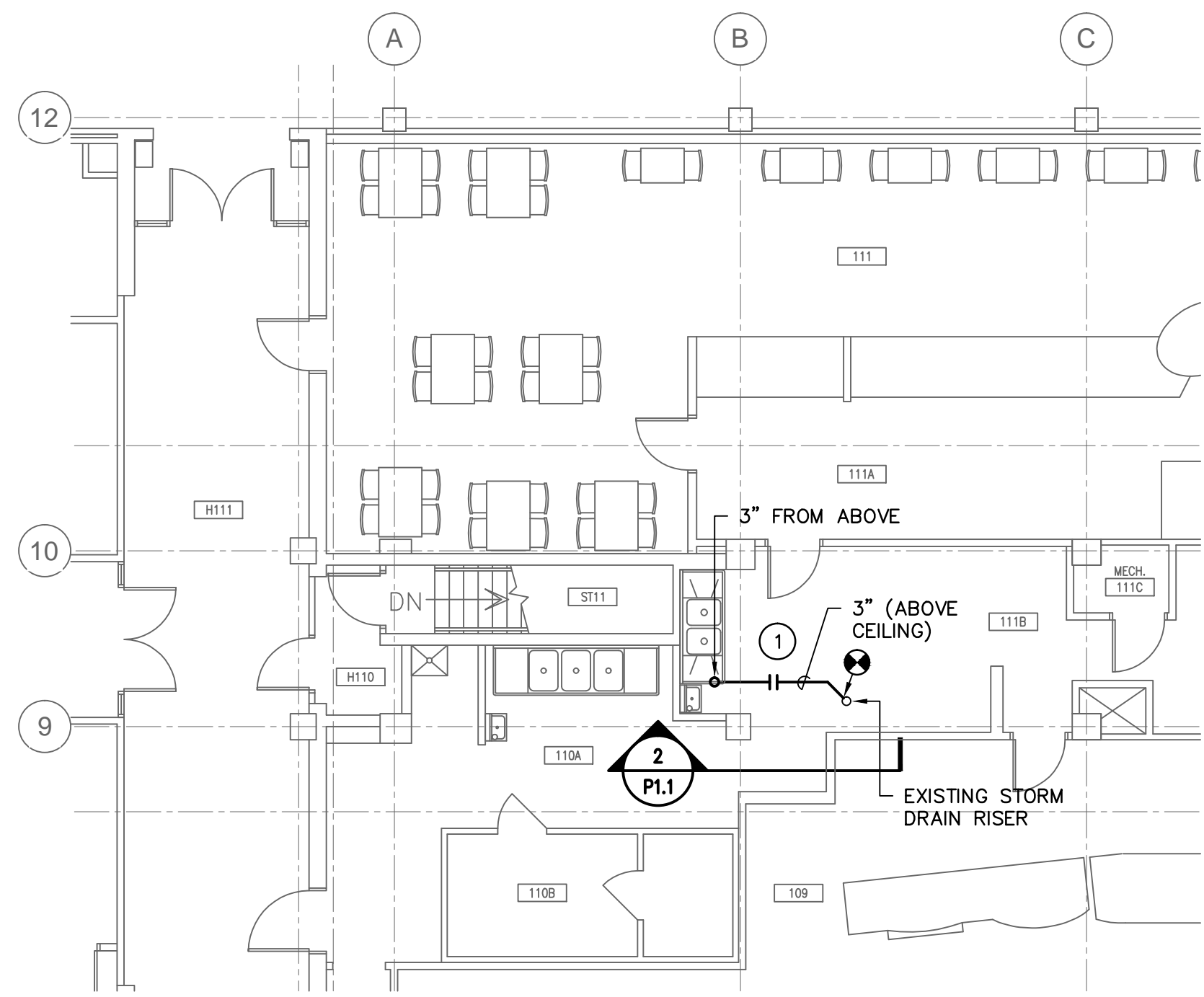
- NOTES TO SHEET**
- CEILING REMOVAL AND REPLACEMENT, AS REQUIRED FOR INSTALLATION OF NEW WORK, SHALL BE DONE BY THIS CONTRACTOR. REPLACE ANY DAMAGED TILES WITH NEW TILES OF SIMILAR TYPE. COORDINATE WITH OWNER FOR ANY REQUIRED DISRUPTION.

LEGEND

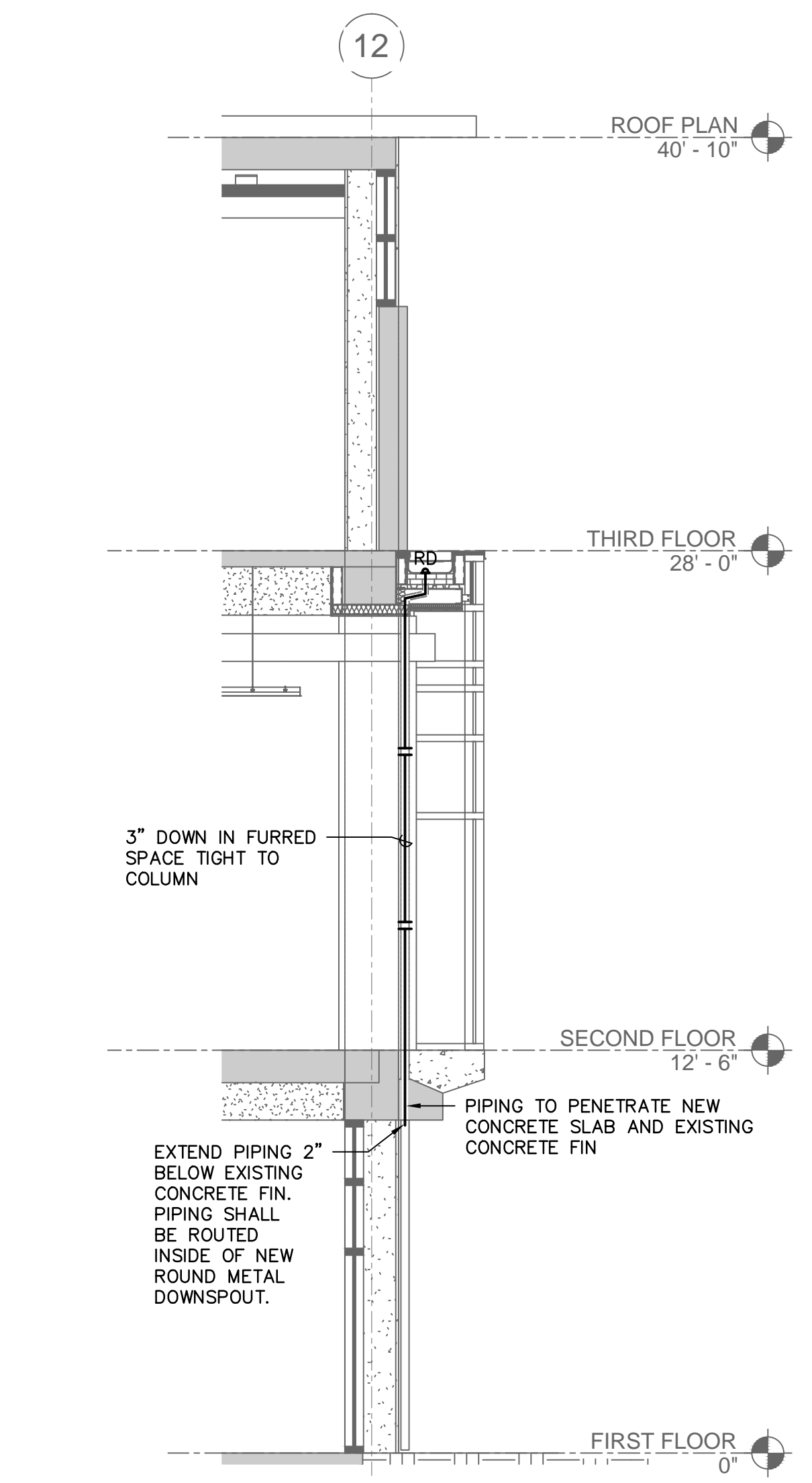
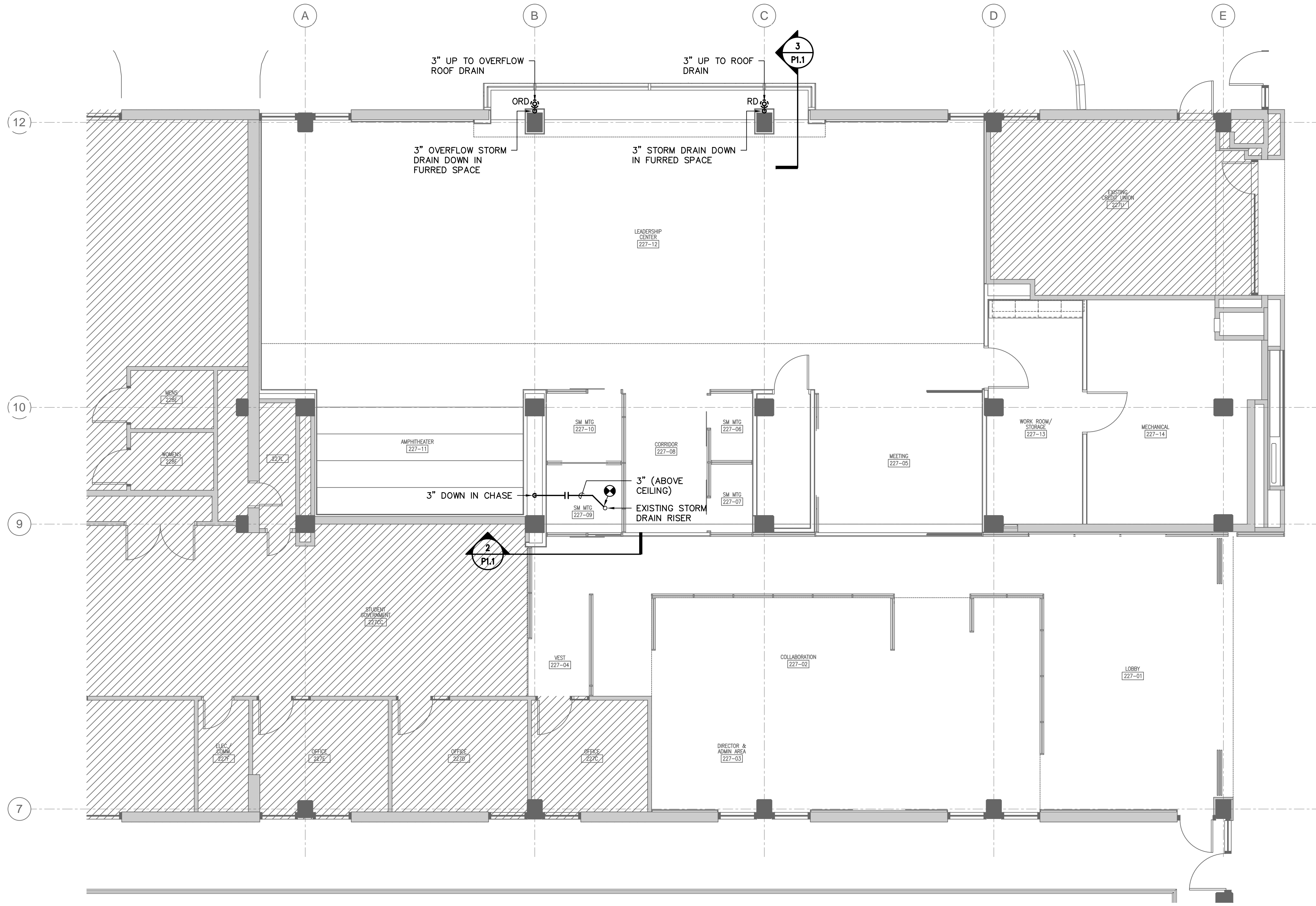
SYMBOL	DESCRIPTION
	EXISTING PIPING TO BE REMOVED
	STORM DRAIN LINE
	PIPE TURNS TO AWAY
	CONNECTION POINT OF NEW TO EXISTING



2 SECTION
SCALE: 1/4" = 1'-0"



4 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

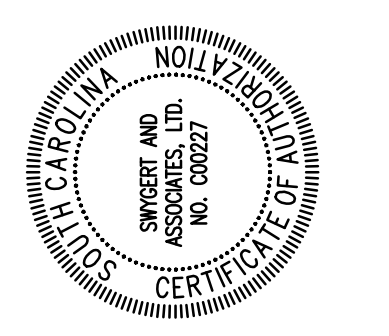
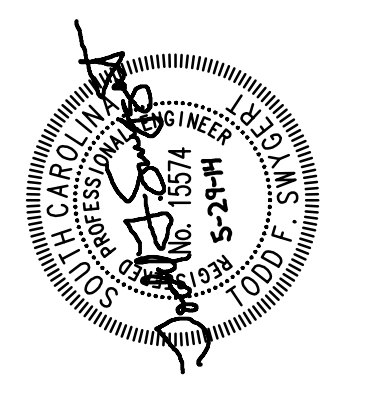


1 SECOND FLOOR PLAN
SCALE: 3/16" = 1'-0"

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

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PROJECT TITLE

RUSSELL HOUSE LEADERSHIP & SERVICE CENTER RENOVATION
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PROJECT NO.: 14.150.00
STATE PROJECT NO.: H27-2145

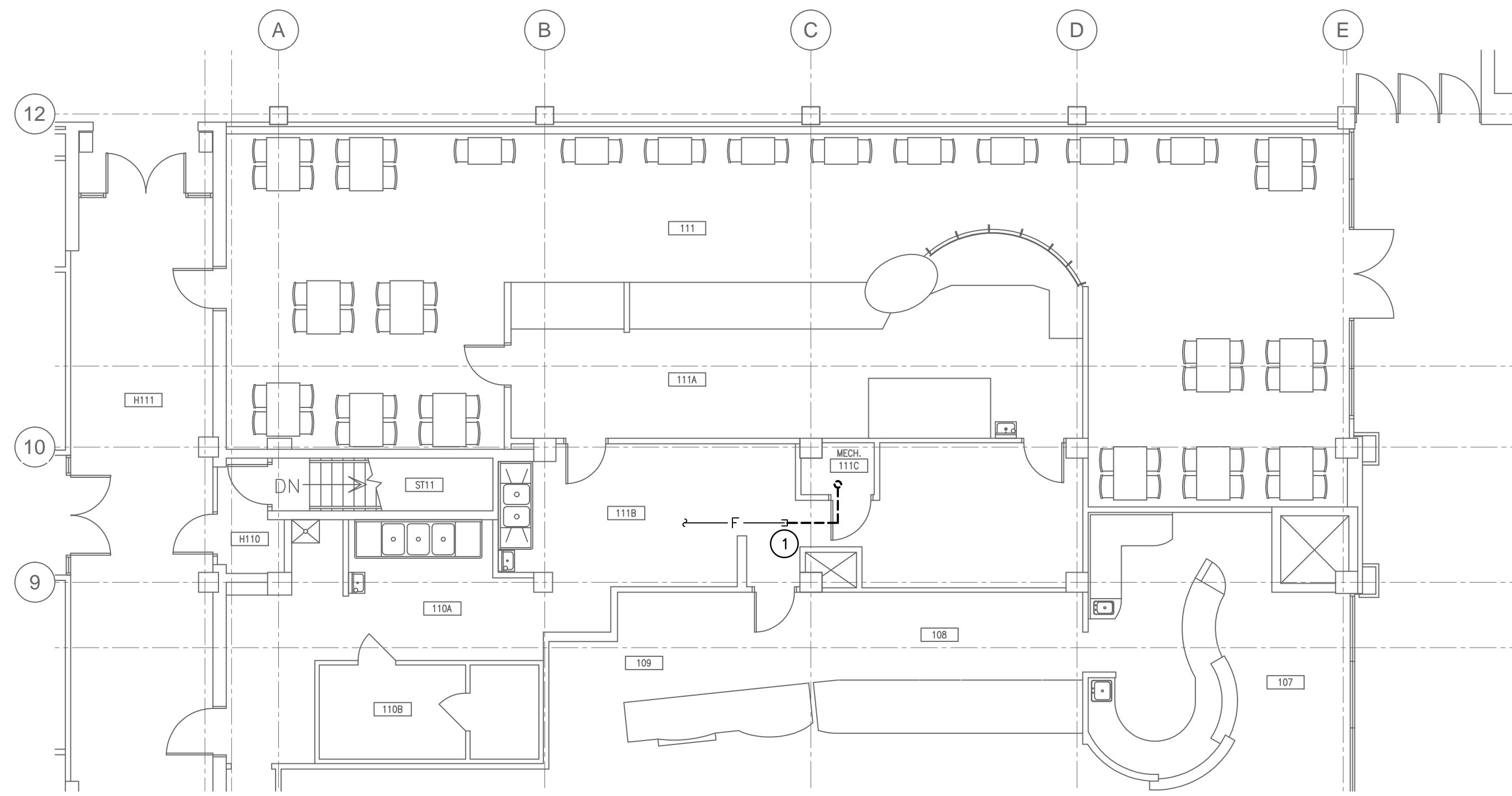
REVISION: DATE

TITLE: FLOOR PLANS, SECTIONS, NOTES, SCHEDULE, AND LEGEND

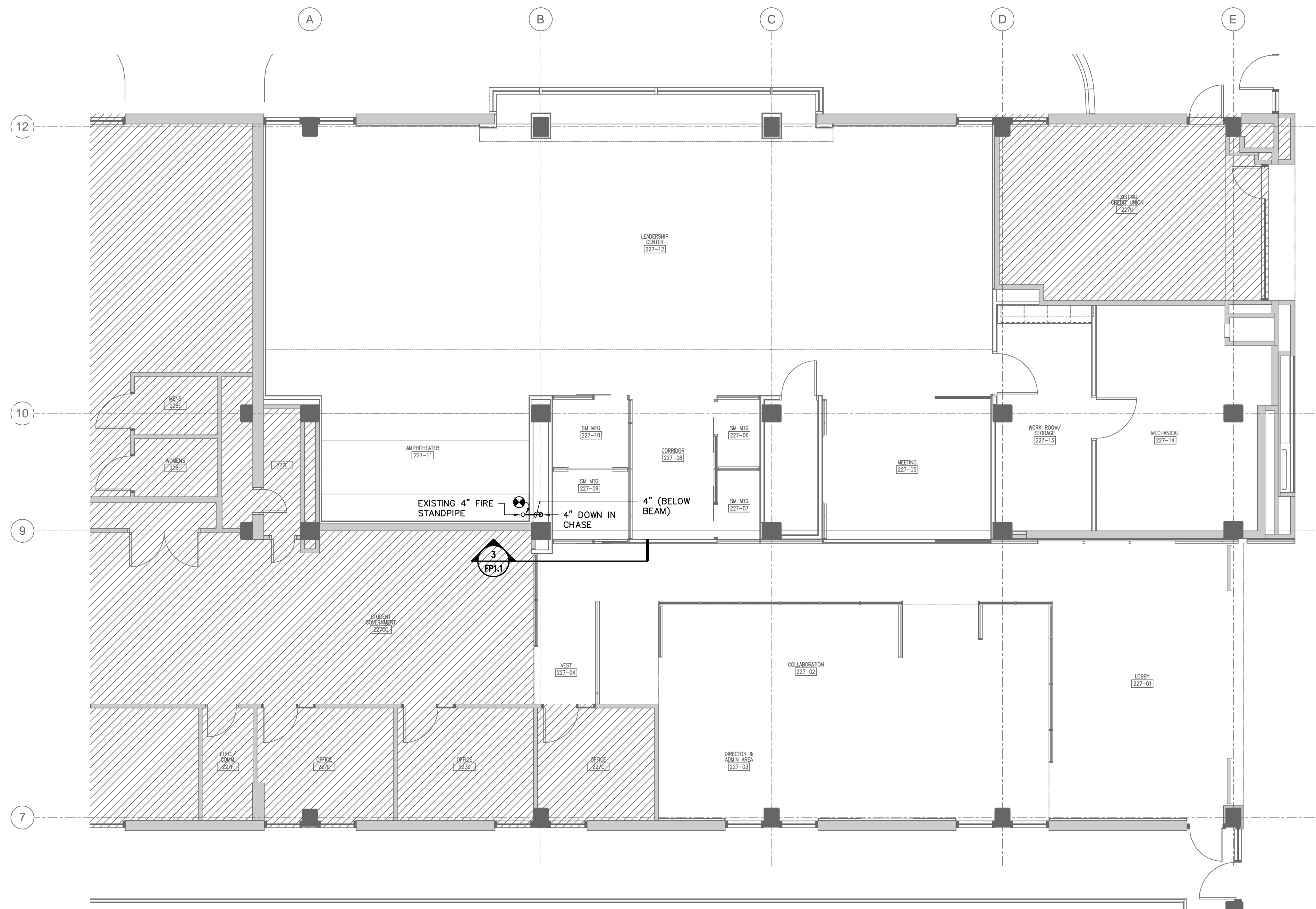
Swygert & Associates
CONSULTING ENGINEERS

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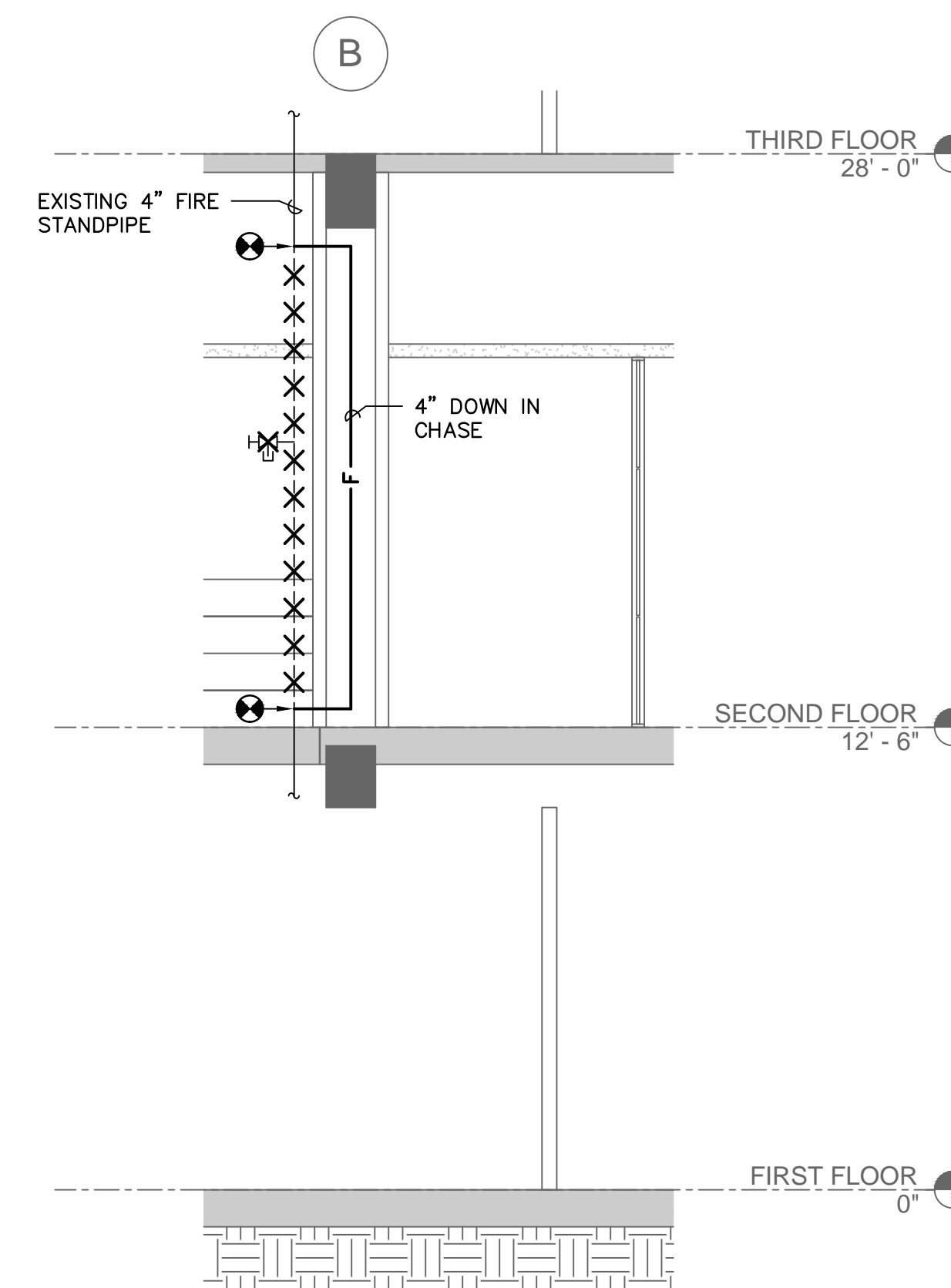
SHEET NO. **P1.1**



2 FIRST FLOOR PLAN
 FPI.1 SCALE: 1/8" = 1'-0"



1 SECOND FLOOR PLAN
 FPI.1 SCALE: 3/16" = 1'-0"



3 SECTION
 FPI.1 SCALE: 1/4" = 1'-0"

- GENERAL NOTES**
1. SUBMIT DRAWINGS INDICATING EXACT LOCATION OF ALL NEW STANDPIPE LINES FOR ENGINEERS REVIEW AND BRING ALL FIELD CONFLICTS AND REQUIRED ADJUSTMENTS TO THE ENGINEERS ATTENTION FOR VERIFICATION.
 2. DRAWINGS PROVIDED ARE TO ASSIST THE CONTRACTOR. SUCCESSFUL CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF A COMPLETE SYSTEM PER THESE PLANS AND SPECIFICATIONS AND IN COMPLIANCE WITH NFPA 14 - 2010 EDITION.
 3. THE DESIGN TEAM, TO INSURE COMPATIBILITY WITH THE BUILDING DESIGN INTENT, WILL CAREFULLY REVIEW SUBMITTED PLANS. CORRECTIONS WILL BE MADE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
 4. ALL PIPING SHALL BE SCHEDULE 10 STEEL PIPING.
 5. CONTRACTOR SHALL DRAIN EXISTING SYSTEM AS REQUIRED FOR INSTALLATION. COORDINATE ANY REQUIRED SHUTDOWN OF SYSTEM SHALL BE DONE IN ACCORDANCE WITH OWNER'S SCHEDULE AND APPROVED BY OWNER.

- NOTES TO SHEET**
- 1 CAP EXISTING SPRINKLER LINE AS REQUIRED FOR NEW DUCTWORK.

LEGEND

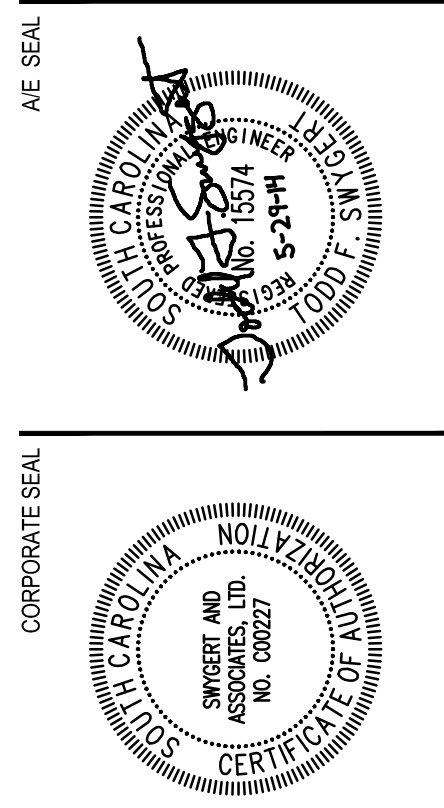
SYMBOL	DESCRIPTION
⌘-X-X-X-X-⌘	EXISTING PIPING TO BE REMOVED
→ F →	FIRE SPRINKLER LINE
→ ○ →	PIPE TURNS TO, AWAY
⊙	CONNECTION POINT OF NEW TO EXISTING

NOTE:
 ALL WORK ON THIS SHEET
 TO BE INCLUDED IN
 ALTERNATE NO. 3.

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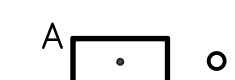




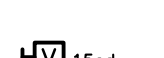


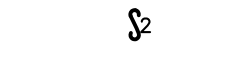

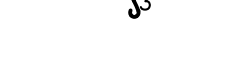
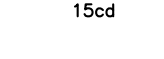


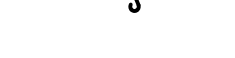



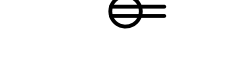
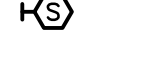













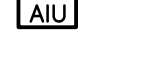









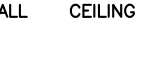



ISSUE DATE 05/29/14
 PROJECT NO. 14.150.00
 STATE PROJECT NO. H27-2145

REVISION DATE

TITLE
**SECOND FLOOR
 PLAN, SECTION,
 NOTES, AND
 LEGEND**

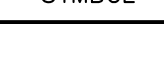




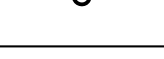

SHEET NO
FPI.1

ELECTRICAL SYMBOL LEGEND

	LIGHTING FIXTURES (SEE LIGHTING FIXTURE SCHEDULE) (ALPHANUMERIC DENOTES TYPE, NUMBER DENOTES CIRCUIT)		FIRE ALARM MANUAL PULL STATION, SEMI-FLUSH MOUNT IN WALL AT 48" AFF T.O.B.
	LIGHTING FIXTURES WITH EMERGENCY GENERATOR BACKED CIRCUIT POWER		FIRE ALARM VISIBLE-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN CEILING (NUMBER INDICATES MINIMUM CANDELA RATING)
	EXIT SIGN, SINGLE OR DOUBLE FACED, CEILING OR WALL MOUNTED		FIRE ALARM VISIBLE-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN WALL AT 80" AFF (NUMBER INDICATES MINIMUM CANDELA RATING)
	SINGLE POLE SWITCH, FLUSH MOUNTED IN WALL AT 48" AFF T.O.B. (LETTER DENOTES SWITCH/LEG)		FIRE ALARM HORN/STROBE INDICATING DEVICE, SEMI-FLUSH MOUNTED IN CEILING (NUMBER INDICATES MINIMUM CANDELA RATING)
	TWO POLE SWITCH, FLUSH MOUNTED IN WALL AT 48" AFF T.O.B.		FIRE ALARM HORN/STROBE INDICATING DEVICE, SEMI-FLUSH MOUNTED IN WALL AT 80" AFF (WP = WEATHERPROOF RATED; NUMBER INDICATES MINIMUM CANDELA RATING)
	THREE WAY SWITCH FLUSH MOUNTED IN WALL AT 48" AFF T.O.B.		FIRE ALARM HORN-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN CEILING
	DIMMER SWITCH FLUSH MOUNTED IN WALL AT 48" AFF T.O.B.		FIRE ALARM HORN-ONLY (STROBE) INDICATING DEVICE, SEMI-FLUSH MOUNTED IN WALL AT 80" AFF
	DUAL-TECHNOLOGY OCCUPANCY SENSOR/SWITCH (WATTSTOPPER# DW-100 OR APPROVED EQUAL), WALL MOUNTED 48" AFF (TOP OF BOX)		PHOTOELECTRIC SPOT-TYPE SMOKE DETECTOR, SEMI-FLUSH MOUNT DETECTOR IN CEILING.
	DUAL-TECHNOLOGY OCCUPANCY SENSOR (WATTSTOPPER # DT-200/BZ-50 OR APPROVED EQUAL), CEILING OR WALL MOUNTED CLOSE TO CEILING.		PHOTOELECTRIC SPOT-TYPE SMOKE DETECTOR, WALL MOUNTED IN ELEVATOR PIT.
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 18" AFF (NUMBER DENOTES CIRCUIT)		135 DEGREE SPOT-TYPE HEAT DETECTOR, FIXED TEMPERATURE, SEMI-FLUSH MOUNT DETECTOR IN CEILING.
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 42" AFF OR 6" ABOVE COUNTER BACKSPLASH (GFI = GROUND FAULT INTERRUPTER; WP = WEATHERPROOF METALLIC "IN-USE" TYPE COVER)		135 DEGREE SPOT-TYPE HEAT DETECTOR, FIXED TEMPERATURE, WALL MOUNTED IN ELEVATOR PIT.
	20 AMP DOUBLE DUPLEX RECEPTACLE, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE.		DUCT TYPE SMOKE DETECTOR.
	20 AMP DUPLEX RECEPTACLE, FLUSH MOUNTED IN FLOOR (HUBBELL# S1R4PTFITCH/S1R4CVRW/S1R4SP2X2DUPLEX OR APPROVED EQUAL); METALLIC COVER/PLATE, BOX/PLATE SHALL HAVE FUTURE CAPACITY FOR DATA CABLES/JACKS.		DUCT DETECTOR TEST STATION, WALL MOUNTED 54" AFF.
	VOICE/DATA J-BOX, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO COMM ROOM DATA RACK. MULTIPLE CONDUITS MAY BE HOME RUN TOGETHER IN LARGER CONDUIT PER USC-UTS GUIDELINES. PROVIDE PLASTIC OR FIBER BUSHING ON END OF RACEWAY AT DATA RACK.		SPRINKLER SYSTEM FLOW SWITCH.
	VOICE/DATA J-BOX, FLUSH MOUNTED IN WALL AT 42" AFF OR 6" ABOVE COUNTER BACKSPLASH UNLESS NOTED OTHERWISE. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO COMM ROOM DATA RACK. MULTIPLE CONDUITS MAY BE HOME RUN TOGETHER IN LARGER CONDUIT PER USC-UTS GUIDELINES. PROVIDE PLASTIC OR FIBER BUSHING ON END OF RACEWAY AT DATA RACK.		SPRINKLER VALVE TAMPER SWITCH.
	WI-FI DATA J-BOX, FLUSH MOUNTED IN GYP. CEILING. PROVIDE A 4" SQUARE x 2" DEEP STEEL BOX WITH SINGLE-GANG PLASTER RING AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO COMM ROOM DATA RACK. MULTIPLE CONDUITS MAY BE HOME RUN TOGETHER IN LARGER CONDUIT PER USC-UTS GUIDELINES. PROVIDE PLASTIC OR FIBER BUSHING ON END OF RACEWAY AT DATA RACK.		SPRINKLER SYSTEM PRESSURE SWITCH.
	JUNCTION BOX, FLUSH MOUNTED IN WALL AT 18" AFF UNLESS NOTED OTHERWISE (FUNCTION AS INDICATED ON PLAN)		ADDRESSABLE INTERFACE UNIT, CONTROL OR MONITOR TYPE AS APPLICABLE, MOUNT IN NEMA 1 ENCLOSURE.
	JUNCTION BOX, FLUSH MOUNTED IN CEILING OR MOUNTED ABOVE CEILING (FUNCTION AS INDICATED ON PLAN) ("D" DENOTES DATA, "P" DENOTES POWER)		CONTROL PANELS (SYSTEM AS INDICATED), SURFACE AND FLUSH MOUNTED RESPECTIVELY.
	JUNCTION BOX, FLUSH MOUNTED IN FLOOR (FUNCTION AS INDICATED ON PLAN)		FIRE ALARM SMOKE DAMPER
	ELECTRICAL PANELBOARDS, SURFACE AND FLUSH MOUNTED RESPECTIVELY		SPEAKER J-BOX, CEILING MOUNT, PROVIDE 3/4" CONDUIT FROM EACH J-BOX BACK TO DATA 227-15.
	ELECTRICAL SAFETY DISCONNECT SWITCH. PROVIDE SWITCH WITH RATINGS WITH RATINGS AS INDICATED IN THE DISCONNECT SWITCH SCHEDULE SHOWN ON THIS SHEET. SURFACE MOUNT SWITCH ON WALL AT LOCATION WHERE SWITCH HAS PROPER CLEARANCE IN ACCORDANCE WITH NEC.		CCTV CAMERA J-BOX, FLUSH MOUNTED IN CEILING OR IN WALL. PROVIDE A SHALLOW SINGLE GANG STEEL BOX AND BLANK PLASTIC/PHENOLIC WALLPLATE. PROVIDE ONE 1" EMT RACEWAY WITH PULL STRING FROM BOX TO COMM ROOM DATA RACK. MULTIPLE CONDUITS MAY BE HOME RUN TOGETHER IN LARGER CONDUIT PER USC-UTS GUIDELINES. PROVIDE PLASTIC OR FIBER BUSHING ON END OF RACEWAY AT DATA RACK. (COORDINATE EXACT CAMERA J-BOX LOCATIONS WITH USC-POLICE BEFORE ROUGH-IN).
	CONDUCTOR/CONDUIT NOTATION (SEE SCHEDULE ON THIS SHEET)		DENOTES NIGHT LIGHT (NO LOCAL SWITCHING)
	ELECTRICAL CONNECTION TO A MOTOR OR TO MOTOR-DRIVEN EQUIPMENT		
	MOTOR RATED SNAP SWITCH IN NEMA 1 ENCLOSURE		
	CONTROL STATION (FUNCTION AS INDICATED ON PLAN), FLUSH MOUNT IN WALL AT 48" AFF T.O.B.		

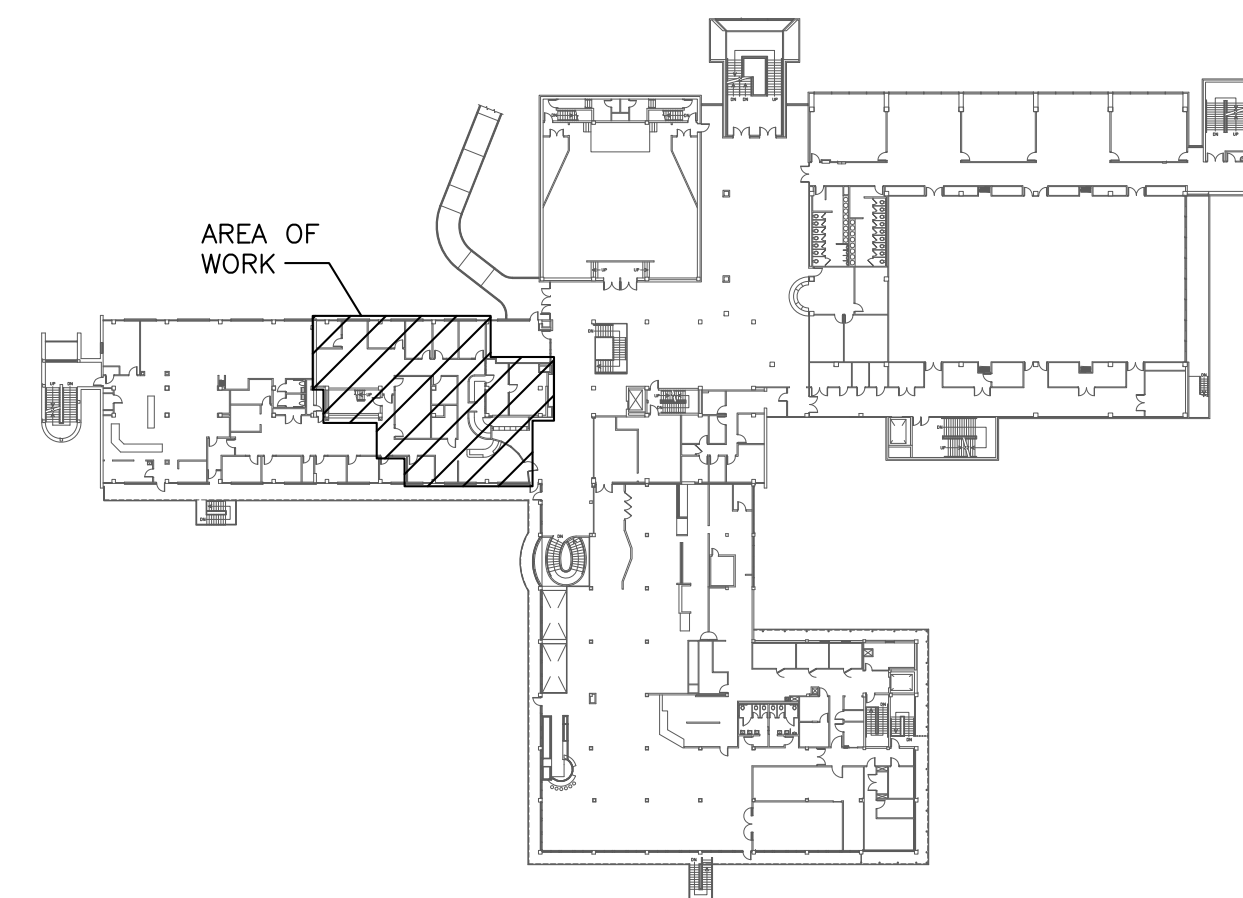
DEMOLITION/RENOVATION NOTATION	
E	EXISTING FIXTURE OR DEVICE TO REMAIN. FUNCTION SHALL REMAIN AT THIS LOCATION. FOR OUTLETS AND SWITCHES, PROVIDE NEW DEVICES AND WALL PLATES.
R	EXISTING FIXTURE OR DEVICE SHALL BE REMOVED BY ELECTRICAL CONTRACTOR. DISPOSE OF REMOVED COMPONENTS. MAINTAIN CONTINUITY OF REMAINING PORTIONS OF BRANCH CIRCUIT.
RR	EXISTING FIXTURE OR DEVICE TO BE RELOCATED BY THE ELECTRICAL CONTRACTOR TO NEW LOCATION SHOWN ON RENOVATION PLAN. CLEAN WITH MILD DETERGENT. PROVIDE NEW LAMPS IN FLUORESCENT FIXTURES.

- MOUNTING HEIGHTS INDICATED IN THIS LEGEND SHALL BE TO CENTERLINE OF DEVICE BOX. ALL SWITCHES AND PULL STATIONS SHALL BE INSTALLED TO BE 48" AFF TO TOP OF BOX. UNLESS NOTED OTHERWISE.
- ALL DEVICE BOXES IN FURRED WALLS SHALL BE SHALLOW DEPTH TYPE.

LIGHTING FIXTURE SCHEDULE								
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS
	A	2" WIDE RECESSED SLOT LED FIXTURE	METALUMEN	RM2D LED 35K R N M SA D350 1 RD 120 N (0-10V DIM)	ACRYLIC LENS	RECESSED	120	LED-1000 LUMENS/FT. (3500K)
	B	2'x4' GRID FLUORESCENT FIXTURE, 3 LAMPS	COLUMBIA	4PS-24-3-32-G-FS-A12-E-U	ACRYLIC LENS	GRID	120	3 - F32T8/741/ALTO
	DA	12" LED ROUND PENDANT FIXTURE	PRUDENTIAL	P3912 LED35 LO WA TMW DI SC UNV CA48 XI DM10	ACRYLIC LENS	PENDANT	120	LED - 450 LUMENS (3500K)
	DB	24" LED ROUND PENDANT FIXTURE	PRUDENTIAL	P3924 LED35 LO WA TMW DI SC UNV CA48 XI DM10	ACRYLIC LENS	PENDANT	120	LED - 1350 LUMENS (3500K)
	F	4' FLUORESCENT WRAPAROUND FIXTURE, 2 LAMPS	COLUMBIA	AWN-4-232-E-U	ACRYLIC LENS	CEILING	120	2 - F32T8/741/ALTO
	G	4" DIAMETER LED DOWNLIGHT	PRESCOLITE	LF4LEDG4-4LFLED5G4 35K	NONE	RECESSED	120	LED - 1100 LUMENS (3500K)
	X	EXIT SIGN, EDGE-LIT TYPE, RED LETTERS, AC TYPE	DUAL-LITE	LEC S(O) R ARROWS N A	NONE	CEILING	120	LED (INCLUDED)

NOTE: LAMP DESCRIPTIONS ARE PHILIPS CATALOG NUMBERS (UNLESS NOTED OTHERWISE) OR APPROVED EQUAL.

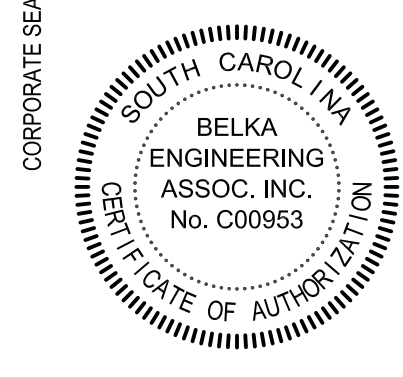
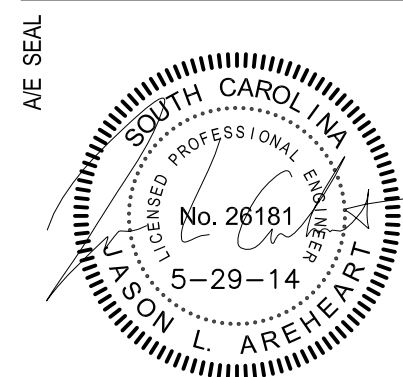
ELECTRICAL GENERAL NOTES	
1.	ALL WORK SHALL COMPLY WITH NFPA70-2011 (NATIONAL ELECTRIC CODE).
2.	ELECTRICAL LAYOUT DRAWINGS ARE DIAGRAMMATIC. COORDINATE ALL WORK WITH ARCHITECTURAL, CIVIL, STRUCTURAL, PLUMBING, AND MECHANICAL DOCUMENTS.
3.	INSTALL THE ELECTRICAL SYSTEM WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL STEEL, OR OTHER SYSTEMS.
4.	LOCATE LIGHTING FIXTURES SYMMETRICALLY IN THE PROPER RELATION TO FINISHED AREAS, EXCEPT WHERE DIMENSIONED ON DRAWINGS OR LOCATED ON REFLECTED CEILING PLANS.
5.	PROVIDE ADDITIONAL SUPPORTS FOR PANELBOARDS, SWITCHES, STARTERS, RACEWAYS, AND OTHER ELECTRICAL EQUIPMENT WHEREVER THE BUILDING STRUCTURE IS NOT SUITABLE FOR DIRECT MOUNTING. PROVIDE TWO #12 STEEL SLACK CABLES TO STRUCTURE FROM OPPOSING DIAGONAL CORNERS OF EACH LIGHTING FIXTURE MOUNTED IN A GRID CEILING.
6.	EMT FITTINGS SHALL BE OF THE COMPRESSION TYPE. SET-SCREW OR INDENTOR TYPE FITTINGS SHALL NOT BE USED.
7.	PROVIDE FIRESTOPPING AROUND RACEWAYS PENETRATING FIRE RATED WALLS.
8.	MINIMUM SIZES FOR WIRE AND CONDUITS ARE INDICATED BELOW PANELBOARD SCHEDULES FOR EACH BRANCH CIRCUIT. WHERE BRANCH CIRCUIT WIRING IS NOT INDICATED ON PLAN, THE ARRANGEMENT, GROUPING, AND ROUTING OF THESE CIRCUITS SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND LOCAL ORDINANCES.
9.	ALL COMPONENTS SHALL BE LISTED AND LABELED, UL OR EQUAL THIRD PARTY INSPECTED.
10.	MOUNT GROUPED DEVICES IN A SINGLE, CONTINUOUS MULTI-GANG BOX.
11.	OUTLETS WHICH OCCUR ON OPPOSITE SIDES OF A COMMON WALL SHALL BE OFFSET A MINIMUM OF 18 INCHES.



KEY PLAN
NOT TO SCALE

ELECTRICAL DRAWING INDEX	
E-101	ELECTRICAL SYMBOL LEGEND & SCHEDULES
E-102	POWER/SYSTEMS PLANS
E-103	LIGHTING PLANS

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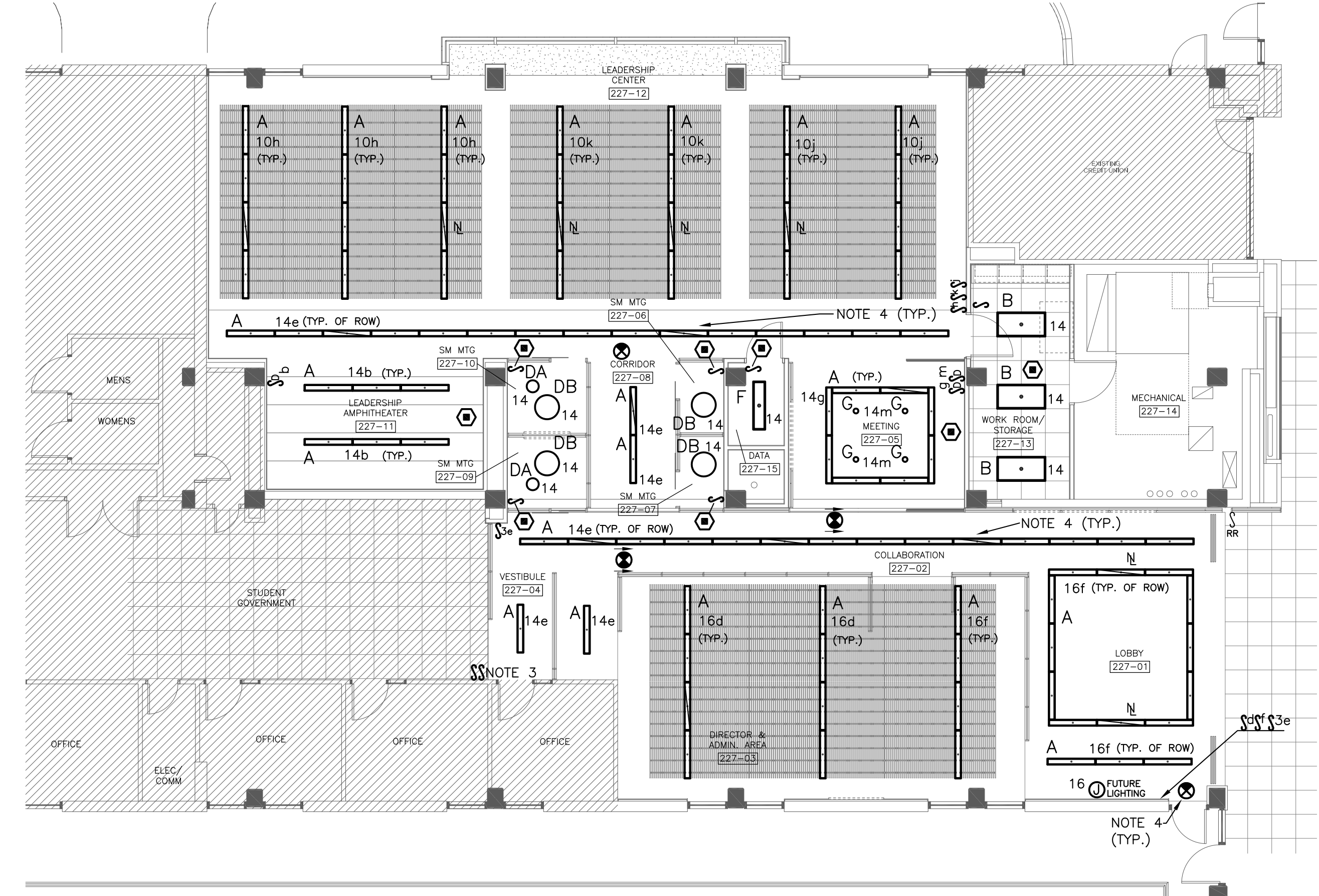
TITLE
 ELECTRICAL SYMBOL LEGEND & SCHEDULES

SHEET NO
E-101



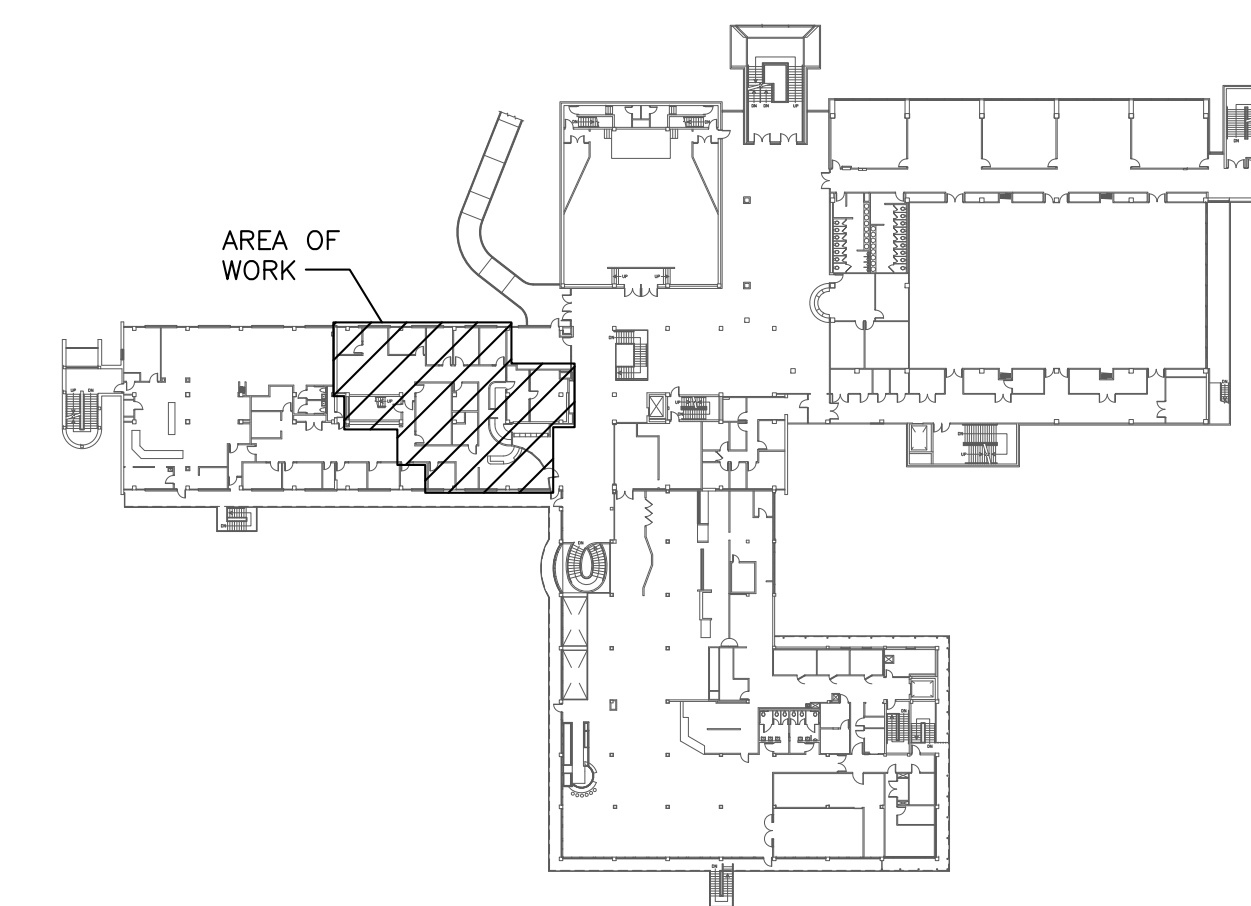
1 LIGHTING DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

- LIGHTING DEMOLITION NOTES
- D1. REMOVE EXISTING LIGHT FIXTURES AND ASSOCIATED SWITCHING AS INDICATED ON PLAN. TURN FIXTURES OVER TO OWNER AND DELIVER TO HIS WAREHOUSE ON CAMPUS.
 - D2. REMOVE ALL EXISTING CONDUCTORS AND CONDUITS ABOVE CEILING IN THE RENOVATED AREA.
 - D3. MAINTAIN CONTINUITY OF EXISTING CIRCUITS FEEDING LIGHTING IN AREAS OUTSIDE SCOPE OF WORK (I.E. STUDENT GOVERNMENT).

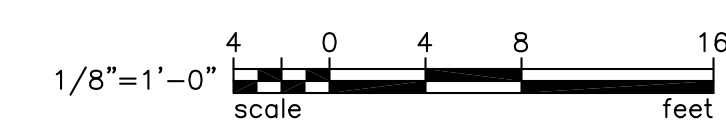


2 LIGHTING RENOVATION PLAN
SCALE: 1/8" = 1'-0"

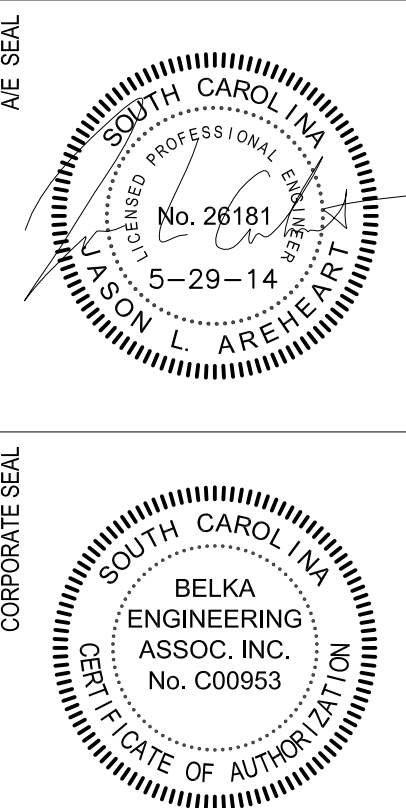
- LIGHTING RENOVATION NOTES
- ALL FIXTURES ARE TYPE "A" FIXTURES UNLESS NOTED OTHERWISE. COORDINATE FIXTURE INSTALLATION WITH CEILING CONSTRUCTION AND ARCHITECTURAL CEILING MANUFACTURER.
 - ALL LIGHT FIXTURES SHALL BE FED FROM PANEL "GSA". CIRCUIT NUMBERS SHOWN ARE FOR LOADING PURPOSES ONLY. FIELD VERIFY ACTUAL CIRCUIT NUMBERS. PROVIDE AN UPDATED, TYPED PANEL DIRECTORY.
 - PROVIDE SEPARATE SWITCHING OF EXISTING STUDENT GOVERNMENT SUITE FROM NEWLY RENOVATED AREA.
 - PROVIDE ONE 20 AMP GENERATOR-BACKED CIRCUIT FROM EXISTING PANEL "E" TO FEED DESIGNATED EMERGENCY EGRESS FIXTURES (DENOTED WITH CROSS LINES) AND EXIT SIGNS. PROVIDE GENERATOR TRANSFER DEVICES (GTD OR GTD20) (BODINE OR APPROVED EQUAL) FOR THESE FIXTURES.



KEY PLAN
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PHASE	BID SET
ISSUE DATE	05/28/2014
PROJECT NO.	14.150.00
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REVISION	DATE