

CAPSTONE CAMPUS ROOM RENOVATION

USC PROJECT NO.: H27-I987

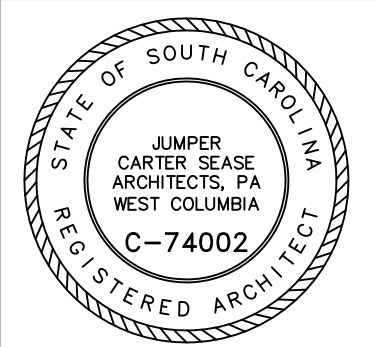
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

Jumper

Carter

Sease

Architects
PA
412 Meeting Street
West Columbia
South Carolina



CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

ABBREVIATIONS				PROJECT CONTACTS		INDEX OF DRAWINGS		VICINITY MAP						
A.C.T. ALUM. BD BLKG C.J. C.T. CMU CONC. CONT CPT CR DTL. E.J. ELEC. EQ EXIST. EXP FE FEC FF FLR FTG GALV GC GWB HM HORIZ I.D. INSUL	ACOUSTICAL CEILING TILE ALUMINUM BOARD BLOCKING CONTROL JOINT CERAMIC TILE CONCRETE MASONRY UNIT CONCRETE CONTINUOUS CARPET CLASSROOM DETAIL EXPANSION JOINT ELECTRICAL EQUAL EXISTING EXPANSION FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISH FLOOR FLOOR FOOTING GALVANIZED GENERAL CONTRACTOR GYPSUM WALL BOARD HOLLOW METAL HORIZONTAL INSIDE DIAMETER INSULATION	MECH MFR MB M.O. N.I.C. O.C. O.D. OPNG PL PLUMB PR FT REINF REQD SCHED SHT. SIM. SS STL. SWC TB TEMP TOIL TKTD TYP. VCT VERT WD	MECHANICAL MANUFACTURER MARKER BOARD MASONRY OPENING NOT IN CONTRACT ON CENTER OUTSIDE DIAMETER OPENING PLATE PLUMBING PAIR PRESSURE TREATED REINFORCED REQUIRED SCHEDULE SHEET SIMILAR STAINLESS STEEL STEEL SOLID WOOD CORE TACKBOARD TEMPERED TOILET TREATED TYPICAL VINYL COMPOSITION TILE VERTICAL WOOD	JOB SITE Capstone Campus Room	CONTRACTOR'S OFFICE	OWNER University of South Carolina Pete Fisher, Project Manager Jim Sherry, Director of Housing	ARCHITECT Jumper Carter Sease Architects, P.A.	STRUCTURAL Johnson & King Engineers	FIRE PROTECTION Mechanical Design, Inc.	MECHANICAL Mechanical Design, Inc.	ELECTRICAL / FIRE ALARM Sims Group Engineers, Inc.	803-777-9346 803-777-5719 803-791-1020 803-779-8830 803-731-9834 803-731-9834 803-765-1007	T-1 TITLE, INDEX & ABBREVIATIONS I-1 DEMOLITION PLAN I-2 FURNITURE LAYOUT PLANS I-3 FLOOR PLAN / REFLECTED CEILING PLAN / FLOOR FINISH PLAN I-4 INTERIOR ELEVATIONS I-5 DOOR & FINISH SCHEDULES / COLOR SCHEDULE / DOOR & WINDOW TYPES & DETAILS / PANEL DETAILS I-6 CASEWORK ELEVATIONS & DETAILS I-7 CEILING DETAILS I-8 MISCELLANEOUS DETAILS FP1 FIRE PROTECTION FLOOR PLANS, DETAILS, AND SCHEDULES M1 FIRST FLOOR HVAC PLAN E001 ELECTRICAL SYMBOLS, NOTES, AND FIXTURE SCHEDULE E002 ELECTRICAL DEMOLITION PLAN E101 LIGHTING PLAN E201 POWER PLAN E401 COMMUNICATIONS PLAN E501 FIRE ALARM PLAN	
NOTE: FOR ABBREVIATIONS NOT NOTED ABOVE CONTACT ARCHITECT.														

REVISIONS:

DRAWN BY: SL

CHECKED BY:

COMM NO: 11103

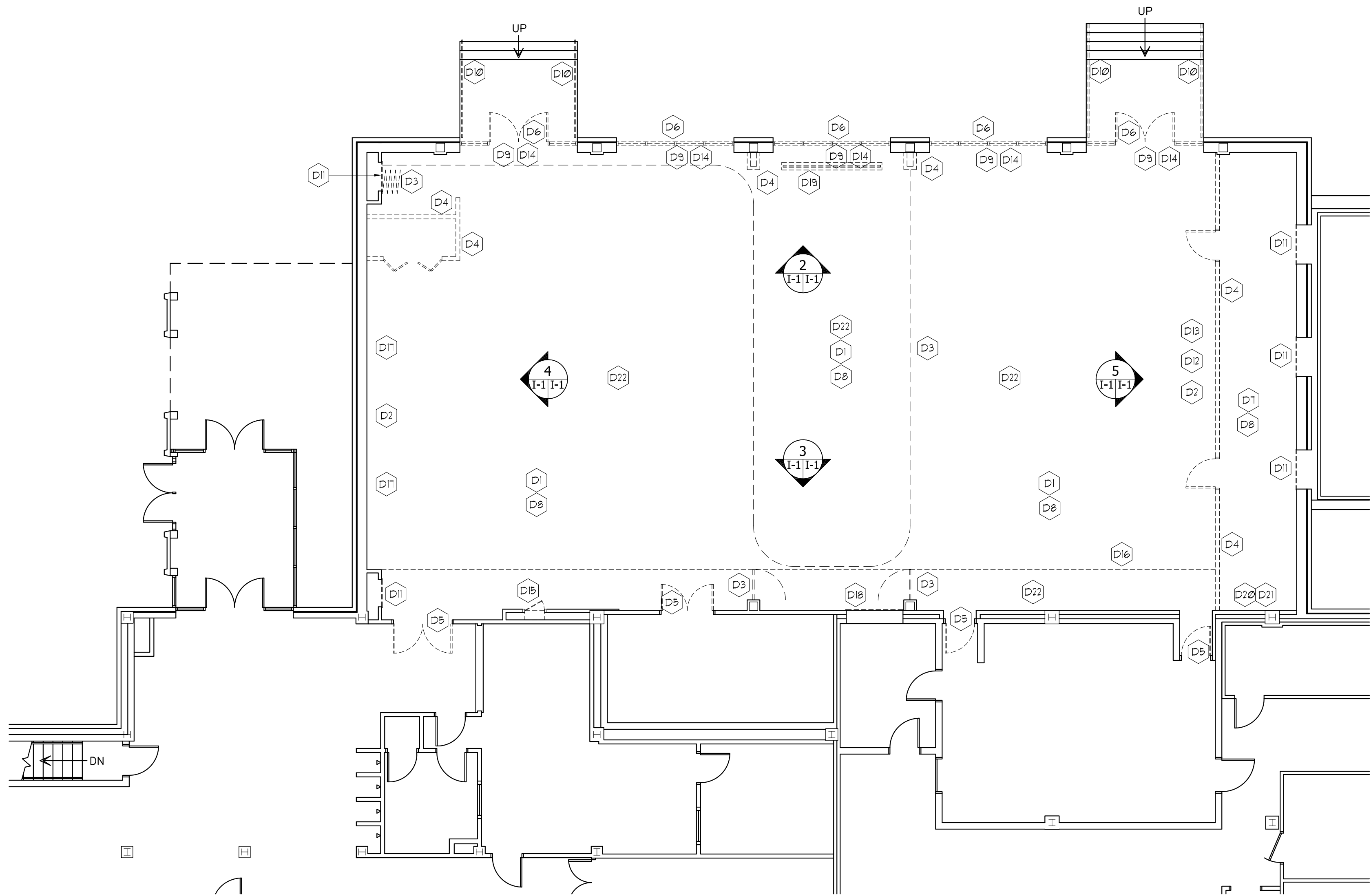
DATE: 2/15/2012

SHEET TITLE:

TITLE
INDEX AND
ABBREVIATIONS

SHEET NO:

T-1



**PARTIAL FIRST FLOOR
DEMOLITION PLAN**

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

DEMOLITION KEY NOTES

- D1 REMOVE EXISTING CARPET & BASE IN THEIR ENTIRETY, INCLUDING ALL CARPET ADHESIVE. CONCRETE SLAB SHALL BE PREPARED TO RECEIVE NEW FLOORING.
- D2 REMOVE EXISTING WOOD WALL PANELS IN THEIR ENTIRETY DOWN TO THE EXISTING PARTITION SUBSURFACE. REMOVE ALL ADHESIVE, CLEATS ETC. & PREP WALL SUBSURFACE TO RECEIVE NEW WOOD PANELS.
- D3 REMOVE EXISTING OPERABLE PARTITION SYSTEM INCLUDING TRACK.
- D4 REMOVE EXISTING PARTITION WALLS INCLUDING ALL ABANDONED ELECTRICAL EQUIPMENT, POWER WIRING & DEVICES, ALL DOORS & FRAMES TO ACCOMMODATE NEW LAYOUT.
- D5 REMOVE EXISTING WOOD DOORS AND DOOR HARDWARE. EXISTING FRAME SHALL REMAIN.
- D6 REMOVE EXISTING STOREFRONT WINDOW GLAZING AND DOORS IN THEIR ENTIRETY.
- D7 REMOVE EXISTING VINYL TILE FLOORING AND BASE INCLUDING ALL ADHESIVE. PREPARE CONCRETE SLAB TO RECEIVE NEW FLOORING.
- D8 REMOVE EXISTING CEILING TILE & GRID INCLUDING ALL WIRE HANGERS, ALL ELECTRICAL LIGHT FIXTURES AND ALL MECHANICAL DIFFUSERS AND GRILLES.
- D9 REMOVE WINDOW CURTAINS, DRAPES & SHADES INCLUDING ALL TRACKS & ACCESSORIES. TURN OVER TO THE OWNER OR DISCARD AS DIRECTED.
- D10 REMOVE EXISTING METAL RAILING SYSTEM AT EXTERIOR STEPS.
- D11 REMOVE EXISTING MECHANICAL RETURN AIR GRILLE (SEE MECHANICAL DUGS.) AND INFILL OPENING TO MATCH SURROUNDING MATERIALS.
- D12 REMOVE EXISTING UNIVERSITY BRONZE TABLET & TURN OVER TO OWNER.
- D13 REMOVE EXISTING METAL TRACK SLIDE DISPLAY BOARD UNIT. TURN OVER TO OWNER OR DISCARD AS DIRECTED.
- D14 REMOVE EXISTING SOFFITS ABOVE INSIDE FACE OF EXISTING STOREFRONT SYSTEM, INCLUDING ALL GUB AND STUD FRAMING, AND ALL MECHANICAL SLOT DIFFUSERS.
- D15 REMOVE EXISTING ACCESS DOOR AND PATCH OPENING AS REQ. TO MATCH SURROUNDING MATERIALS.
- D16 REMOVE EXISTING GUB SOFFIT AND FRAMING. SEE MECHANICAL DUGS. FOR EXISTING DUCTWORK TO BE REMOVED IN THIS AREA.
- D17 REMOVE EXISTING TAPESTRIES AND HANGER RODS AND TURN OVER TO OWNER.
- D18 REMOVE EXISTING MECHANICAL RETURN AIR GRILLES, AND REROUTE RETURN TO NEW GRILLE BELOW NEW BASE CABINET (SEE MECHANICAL DUGS.).
- D19 REMOVE EXISTING RECESSED PROJECTION SCREEN.
- D20 REMOVE EXISTING ELECTRICAL PANELS AND DIMMING CABINET (SEE ELECTRICAL DUGS. FOR NEW LOCATIONS AND TIE-IN).
- D21 REMOVE LAYER OF DAMAGED GUB AND PREP WALL TO RECEIVE NEW LAYER GUB AS INDICATED ON FLOOR PLAN.
- D22 REMOVE ALL ABANDONED MECHANICAL DUCTS FROM ABOVE THE EXISTING CEILING. SEE MECHANICAL DUGS.

**EXISTING INTERIOR
NORTH ELEVATION**

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

**EXISTING INTERIOR
SOUTH ELEVATION**

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

**EXISTING INTERIOR
WEST ELEVATION**

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

**EXISTING INTERIOR
EAST ELEVATION**

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

DEMOLITION GENERAL NOTES

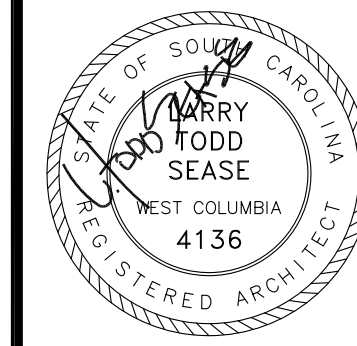
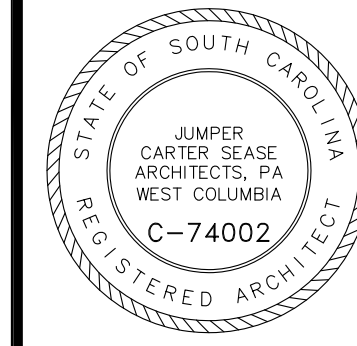
- OWNER HAS THE RIGHTS TO ALL MATERIAL SCHEDULED TO BE REMOVED. IF OWNER REJECTS MATERIALS, GENERAL CONTRACTOR WILL DISPOSE OF IN A LEGAL MANNER.
- ANY EXISTING CONSTRUCTION REQUIRED TO BE REMOVED TO ALLOW FOR NEW CONSTRUCTION AS SHOWN ON OTHER SHEETS WILL BE REMOVED AS NEEDED WHETHER SHOWN ON DEMOLITION PLANS OR NOT. THIS SHALL ALSO APPLY TO PLUMBING, HVAC AND ELECTRICAL. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS.
- PRIOR TO THE REMOVAL OF ANY WALLS OR OTHER ITEMS SCHEDULED FOR DEMOLITION, VERIFY THAT IT IS NOT STRUCTURAL PRIOR TO REMOVAL. SHOULD IT BE DETERMINED THAT IT IS STRUCTURAL, NOTIFY THE ARCHITECT IMMEDIATELY.
- ALL ITEMS / MATERIAL TO BE REUSED AND/OR RELOCATED SHALL BE STORED IN A SAFE AND DRY ENVIRONMENT UNTIL REINSTALLATION. CONTRACTOR SHALL THOROUGHLY CLEAN ITEMS / MATERIALS TO BE RELOCATED.
- REMOVE ALL EXISTING FIRE EXTINGUISHERS THROUGHOUT AND PATCH OPENINGS TO MATCH ADJACENT FINISHES. SEE FLOOR PLANS FOR NEW FIRE EXTINGUISHER LOCATIONS.
- GENERAL ELECTRICAL DEMOLITION: ALL RECEPTACLES, SWITCHES & COVERPLATES SHALL BE REMOVED AND REPLACED WITH NEW INCLUDING ALL ABANDONED DATA WIRING, FIRE ALARM CABLING, PULL STATIONS & EXPOSED CONDUIT.
- SAWCUT EXISTING SLAB AS REQUIRED FOR ROUTING AND INSTALLATION OF FLOOR POWER/DATA OUTLETS. SEE ELECTRICAL DUGS. FOR OUTLET LOCATIONS. PATCH SLAB SMOOTH AND LEVEL WITH ADJACENT SLAB SURFACE.
- FLUORESCENT LIGHTING SHALL BE REMOVED AND RECYCLED OR DISPOSED IN A SUBTITLE D/MSW LANDFILL IN ACCORDANCE WITH THE SC POLLUTION CONTROL ACT AND FEDERAL REGULATIONS.
- REMOVE EXISTING MECHANICAL DUCTS AS REQUIRED TO ACCOMMODATE NEW MECHANICAL DESIGN. SEE MECHANICAL DRAWINGS.

Jumper

Carter

Sease

Architects
PA
412 Meeting Street
West Columbia
South Carolina



CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

these drawings are the property of Jumper Carter Sease Architects, PA and may not be reproduced, copied or used in whole or in part without written consent of the architect and any infringement will be subject to legal action.

REVISIONS:

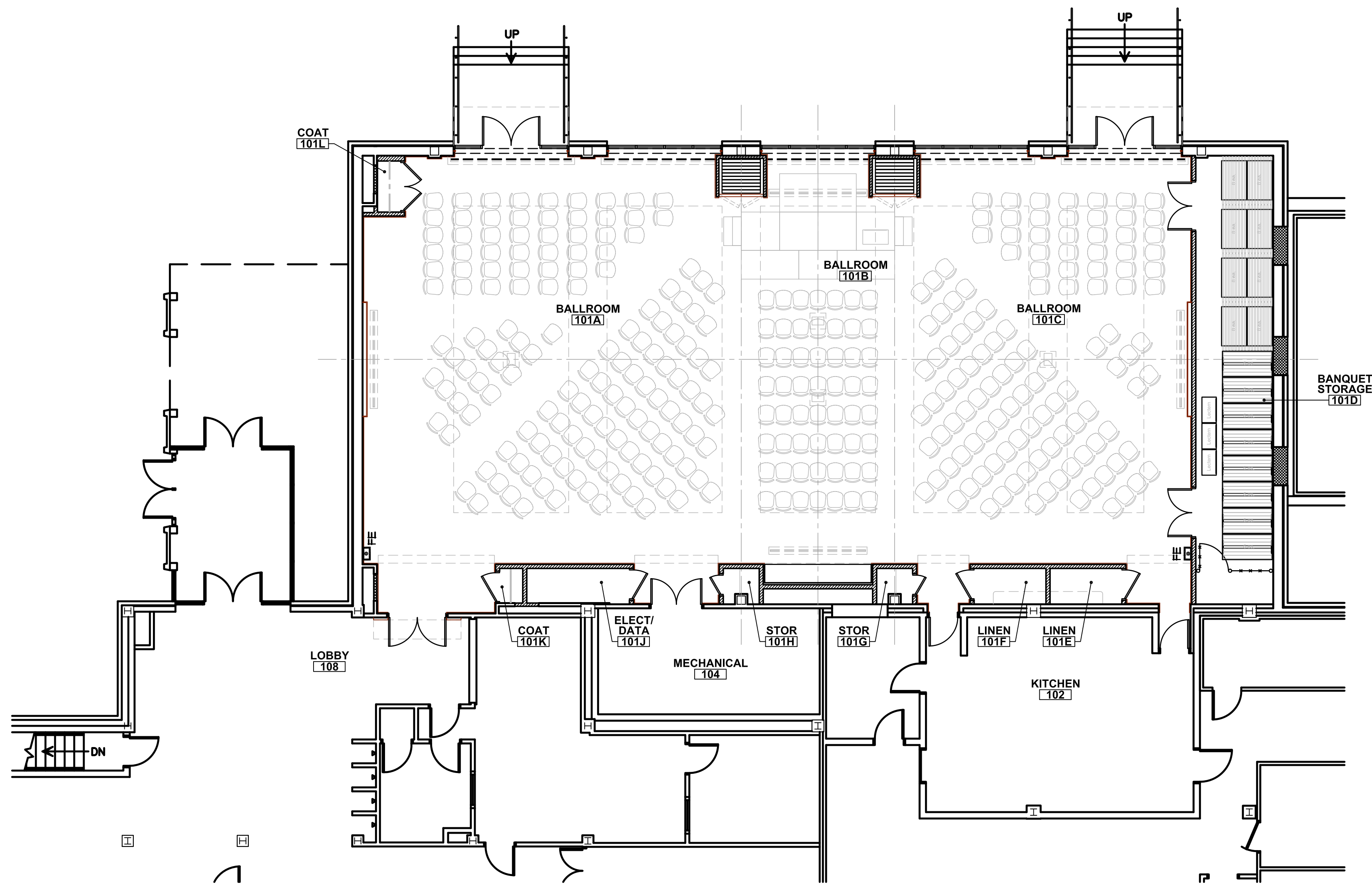
DRAWN BY: DFB
CHECKED BY:
COMM NO: 11103
DATE: 2/15/2012
SHEET TITLE:

**DEMOLITION
PLAN**

1/8" = 1'-0"

SHEET NO:

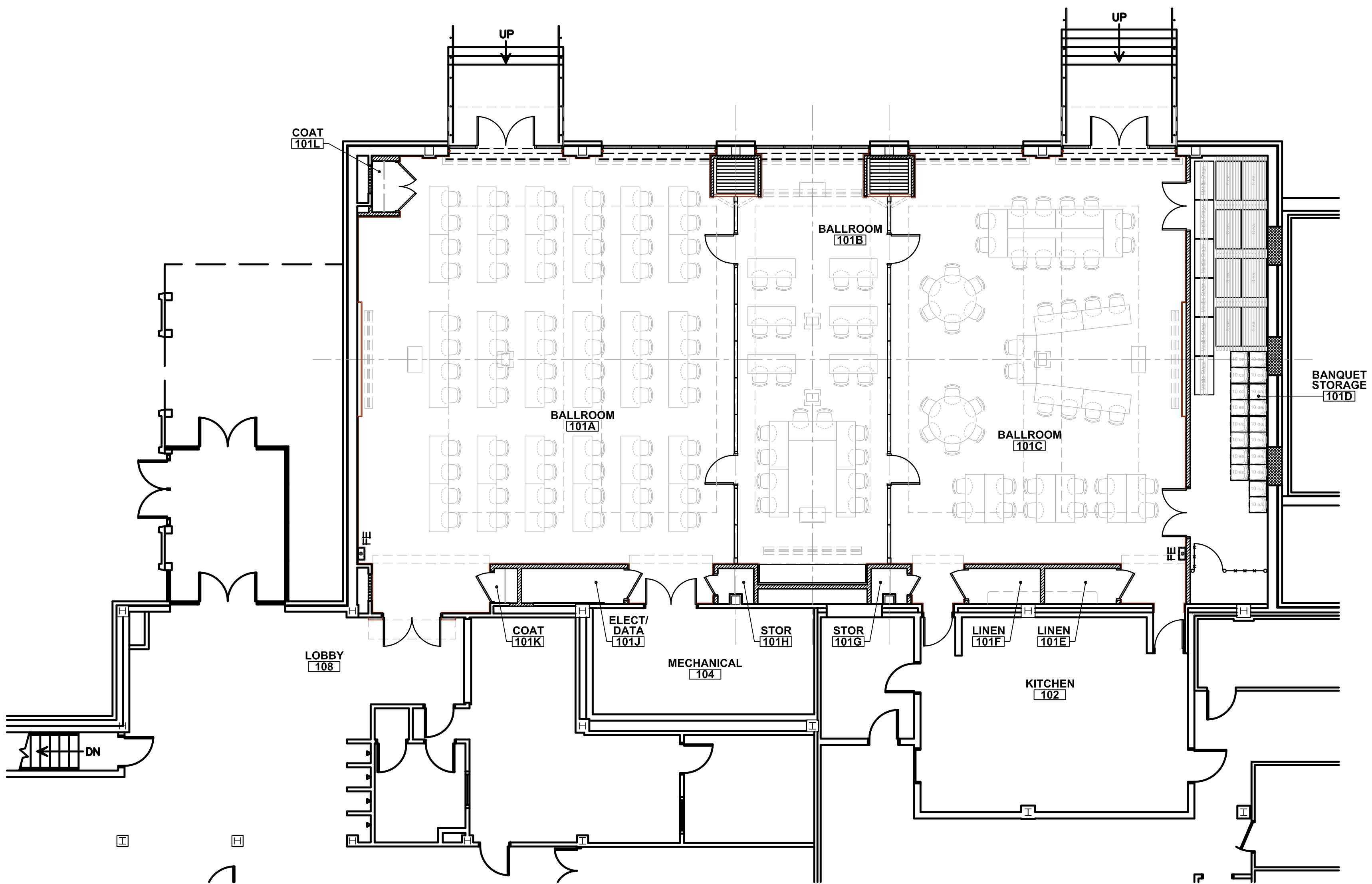
I-1



**NEW PARTIAL FIRST FLOOR
FURNITURE LAYOUT PLAN (LECTURE)**

CAPACITY:	
SEATING	319
MOVABLE PLATFORM	1
LECTERN	1

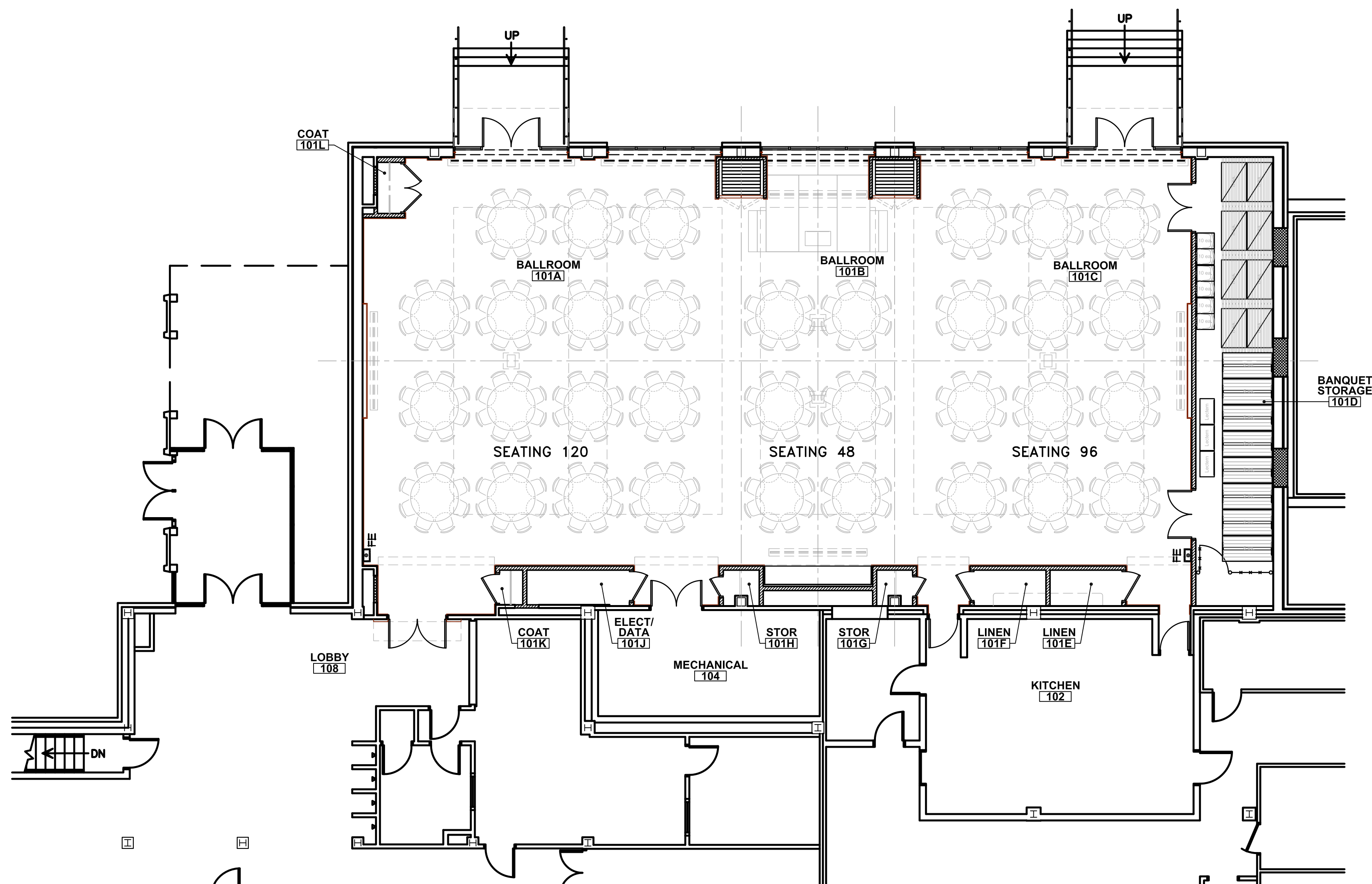
SCALE: 1/8" = 1'-0"



**NEW PARTIAL FIRST FLOOR
FURNITURE LAYOUT PLAN (CLASSROOM)**

CAPACITY:	
SEATING	140
TABLES, 24"x60"	64
TABLES, 60"DIA.	2
LECTERN	4

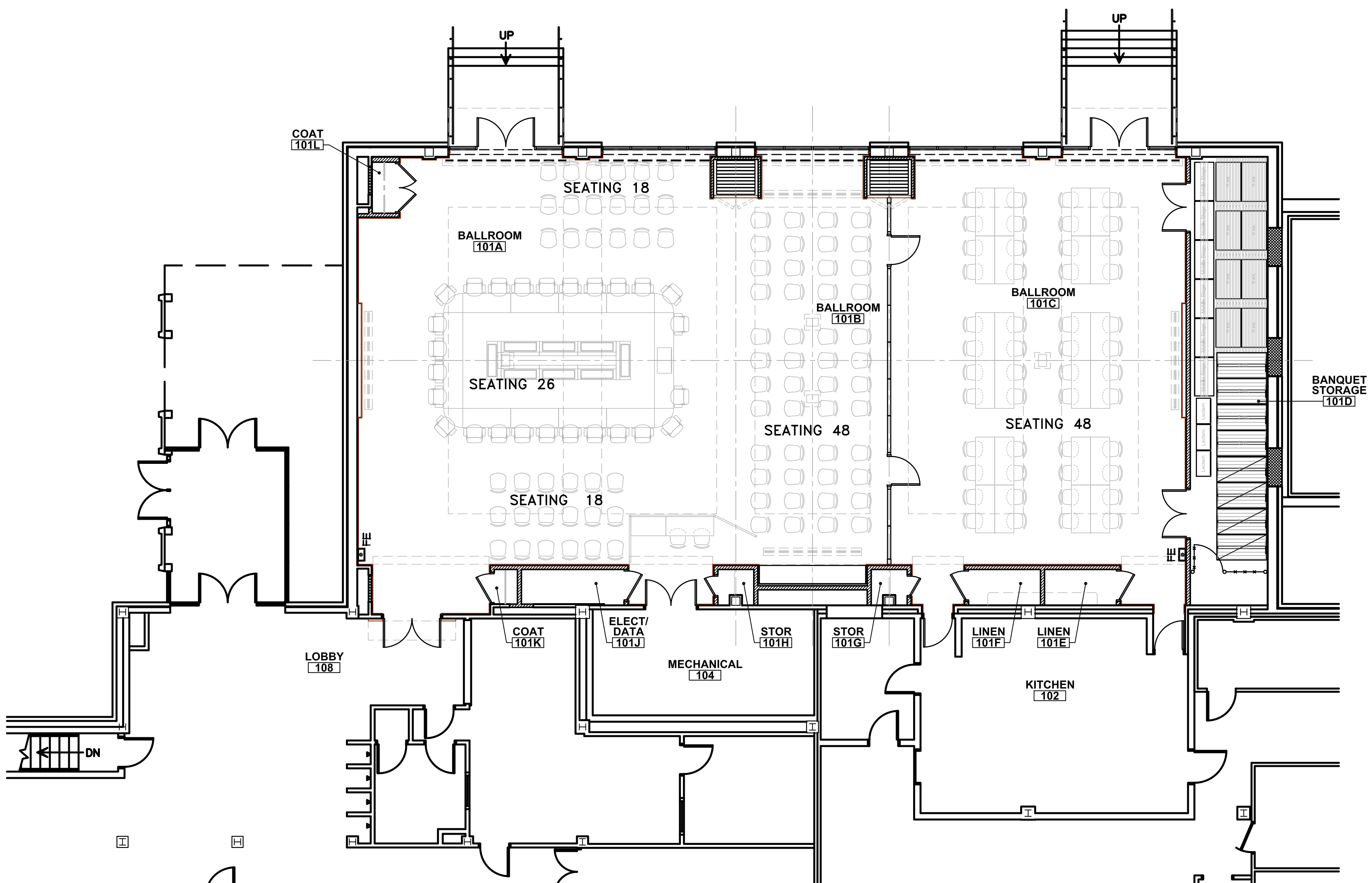
SCALE: 1/8" = 1'-0"



**NEW PARTIAL FIRST FLOOR
FURNITURE LAYOUT PLAN (BANQUET)**

CAPACITY:	
SEATING	264
TABLES, 60" DIA.	33
MOVABLE PLATFORM	1
LECTERN	1

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



**NEW PARTIAL FIRST FLOOR
FURNITURE LAYOUT PLAN (BOARDROOM)**

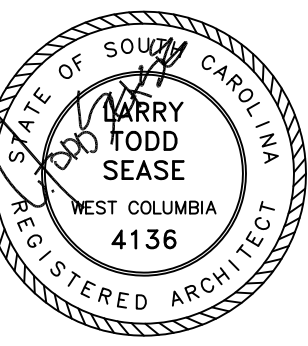
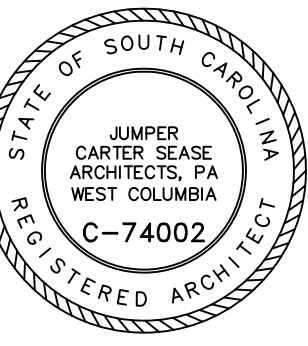
CAPACITY:	
BOARD SEATING	26
BOARD TABLES, 24"x60"	12
LECTERN (TABLE TOP)	1
GUEST SEATING	84
DINING SEATING	48
DINING TABLES, 24"x60"	24
SOUND/TECH BOOTH	1
SOUND BOARD TABLE 24"x60"	1

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

NOTE: THIS SHEET PROVIDED FOR
INFORMATION ONLY. OWNER WILL PROVIDE
AND INSTALL ALL FURNITURE SHOWN.

Jumper
Carter
Sease

Architects
PA
412 Meeting Street
West Columbia
South Carolina



CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

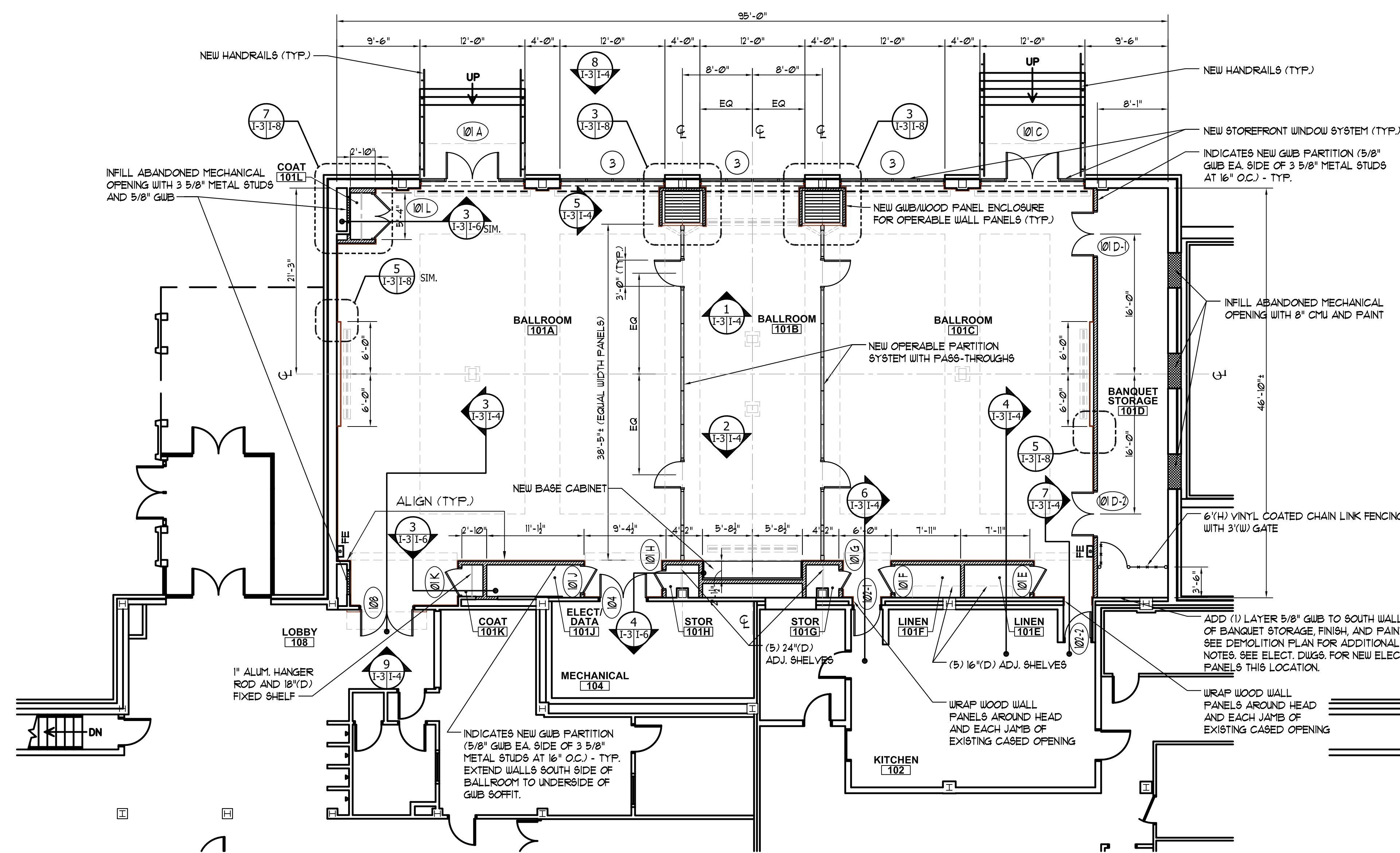
DRAWN BY: DFB
CHECKED BY:
COMM NO: 11103
DATE: 2/15/2012
SHEET TITLE:

FURNITURE
LAYOUT PLANS

1/8" = 1'-0"

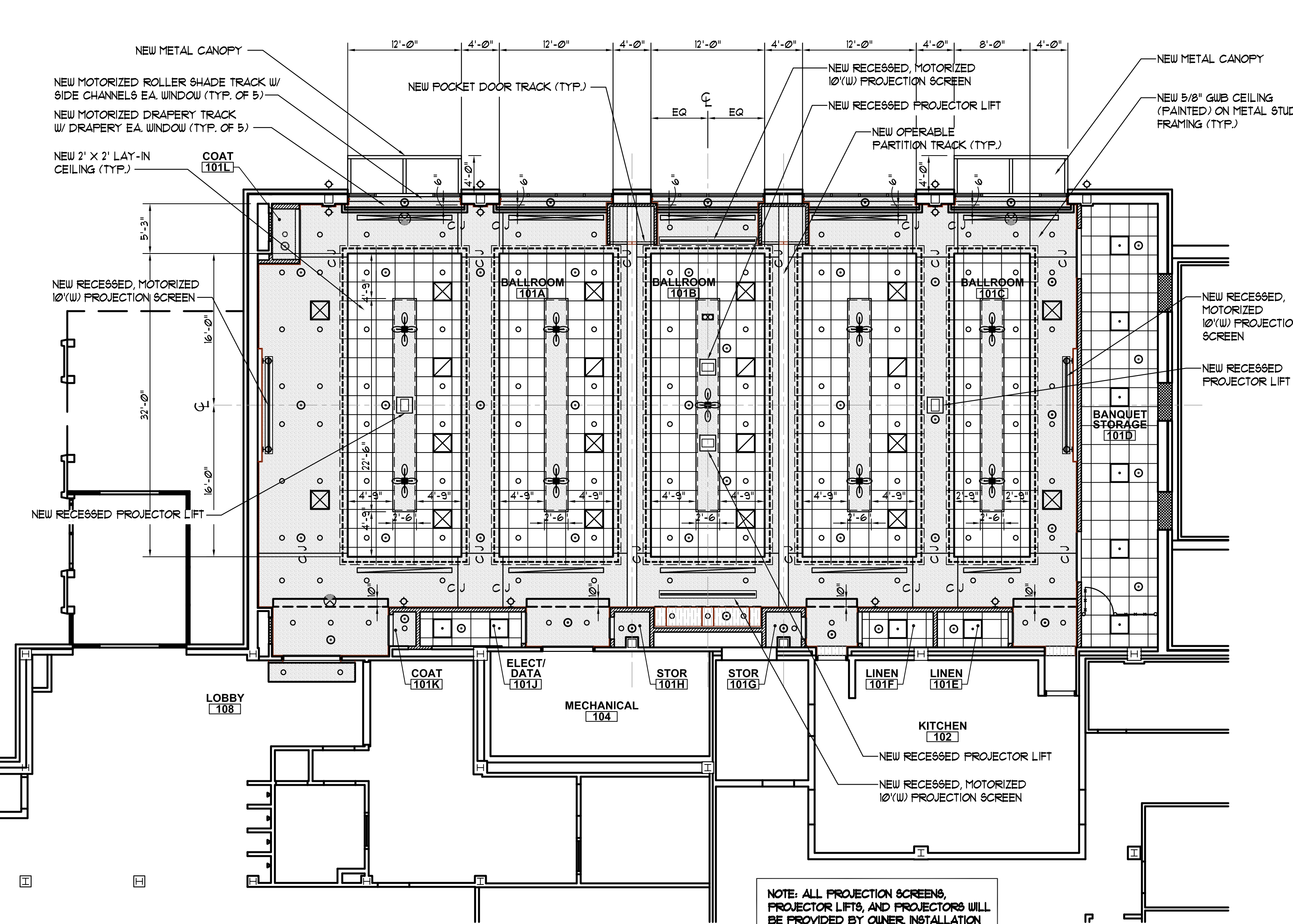
SHEET NO:

I-2



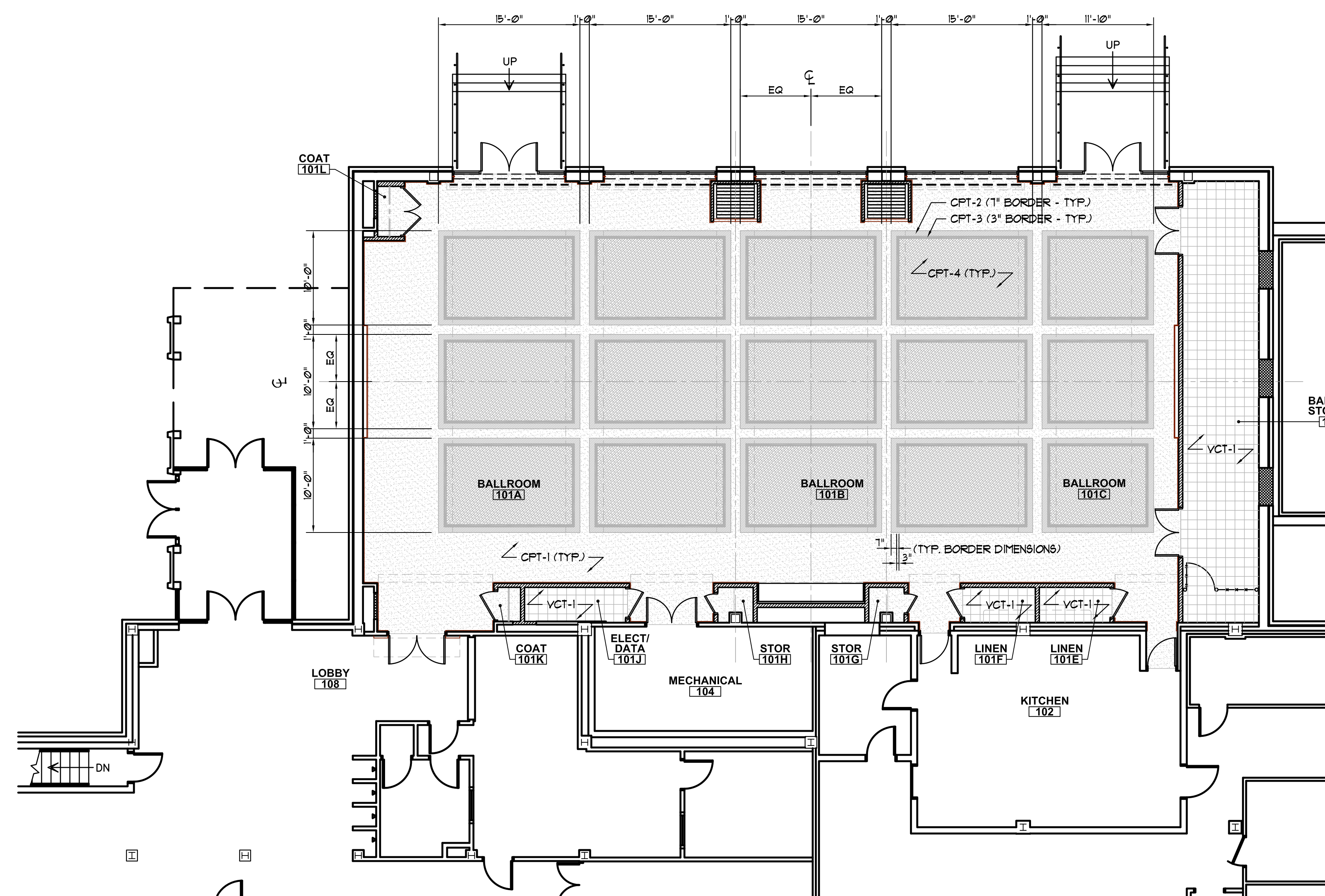
NEW PARTIAL FIRST FLOOR PLAN

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



NEW PARTIAL FIRST FLOOR
REFLECTED CEILING PLAN

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



NEW PARTIAL FIRST FLOOR
FLOOR FINISH PLAN

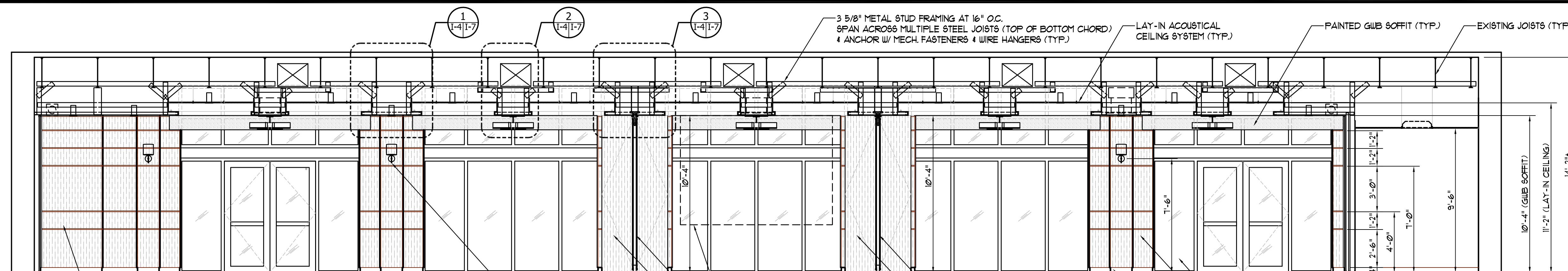
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIM/HERSELF WITH THE COMPLETE WORK SCOPE AND ALL RELATED CONDITIONS PRIOR TO BID. ANY QUESTIONS OR DISCREPANCIES WITH THE INFORMATION SHOWN HEREIN MUST BE DIRECTED TO THE ARCHITECT PRIOR TO BID.
- ALL DIMENSIONS SHOWN ARE APPROXIMATE - G.C. TO FIELD VERIFY ALL DIMENSIONS PRIOR TO BID.
- DIMENSIONS SHOWN ON FLOOR PLAN FOR GUB/METAL STUD WALLS ARE DIMENSIONED TO OUTSIDE FACE OF GUB (NOT WOOD PANEL).
- THE CONTRACTOR WILL HAVE ACCESS TO THE SPACE MONDAY THROUGH SATURDAY AND TIME ON SUNDAYS ONLY IF APPROVED BY THE OWNER. ALL WORK MUST BE COMPLETED BY JULY 18, 2012. THE CONTRACTOR SHALL COORDINATE HIS/HER SCHEDULE BASED ON THE SCOPE OF WORK TO MEET THIS DEADLINE. THE GENERAL CONTRACTOR SHALL HAVE A SUPERINTENDENT PRESENT ON SITE AT ALL TIMES WORK IS TAKING PLACE.
- CONTRACTOR SHALL ACCESS SPACE THROUGH EXTERIOR DOORS AND SHALL NOT BE PERMITTED IN THE LOBBY.
- ALL TEMPORARY FACILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO MAINTAIN A CLEAN WORK SITE AT ALL TIMES. THE WORK AREA MUST BE CLEANED UP AT THE END OF EACH DAY MINIMUM.
- ALL WORK SCOPE AREAS ARE TO BE CLEANED AND LEFT IN LIKE-NEW CONDITION.
- THE CONTRACTOR IS TO AVOID DAMAGE TO ADJACENT WORK. ANY DAMAGE TO ADJACENT SURFACES MUST BE REPAIRED TO MATCH WITHOUT APPEARING TO BE A PATCH.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL LIFE SAFETY METHODS AND PRACTICES.
- INDICATES SEMI-RECESSED FIRE EXTINGUISHER CABINET. SAWCUT EXISTING WALL MATERIAL AS REQ. MOUNT TOP OF CABINET AT 4'-0" AFF.
- PROVIDE FLOOR-TO-CEILING WOOD VENEER SHELVING (TO MATCH WOOD WALL PANELS) IN LINEN 101E AND 101F. PROVIDE SINGLE WOOD VENEER SHELF AND 1" ALUMINUM HANGER ROD IN STORAGE 101G AND 101H AND COAT CLOSET 101K AND 101L (SEE DETAIL).
- ALL PROJECTION SCREENS, PROJECTOR LIFTS, AND PROJECTORS WILL BE PROVIDED BY OWNER. INSTALLATION BY GC. FINAL CONNECTIONS BY EC. SEE ALSO ELECTRICAL DRAWINGS.

CEILING LEGEND

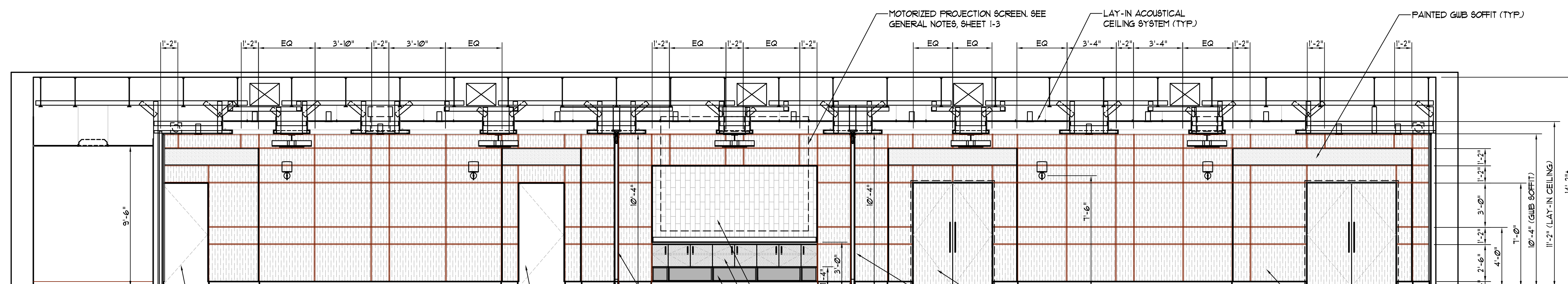
	LAY-IN ACOUSTICAL CEILING SYSTEM
	GUB CEILING/SOFFIT (CJ = CONTROL JOINT) (SEE DETAILS)
	LAY-IN LIGHT FIXTURE (SEE ELECTRICAL DIAGS.)
	CAN LIGHT FIXTURE (SEE ELECTRICAL DIAGS.)
	WALL MOUNTED LIGHT FIXTURE (SEE ELECTRICAL DIAGS.)
	DECORATIVE CEILING PENDANT LIGHT FIXTURE (SEE ELECTRICAL DIAGS.)
	RECESSED DIRECTIONAL LIGHT FIXTURE (SEE ELECTRICAL DIAGS.)
	LED STRIP COVE LIGHTING (SEE ELECTRICAL DIAGS.)
	EMERGENCY EXIT LIGHT FIXTURE (SEE ELECTRICAL DIAGS.)
	HVAC SUPPLY DIFFUSER (SEE MECHANICAL DIAGS.)
	HVAC SUPPLY BAR GRILLE (SEE MECHANICAL DIAGS.)
	HVAC RETURN GRILLE (SEE MECHANICAL DIAGS.)
	HVAC RETURN BAR GRILLE (SEE MECHANICAL DIAGS.)
	SPRINKLER HEAD (SEE FIRE PROTECTION DIAGS. - FINAL LOCATIONS OF HEADS TO BE DETERMINED BY SPRINKLER CONTRACTOR'S APPROVED SHOP DRAWINGS AND CALCULATIONS)



**NEW INTERIOR
NORTH ELEVATION**

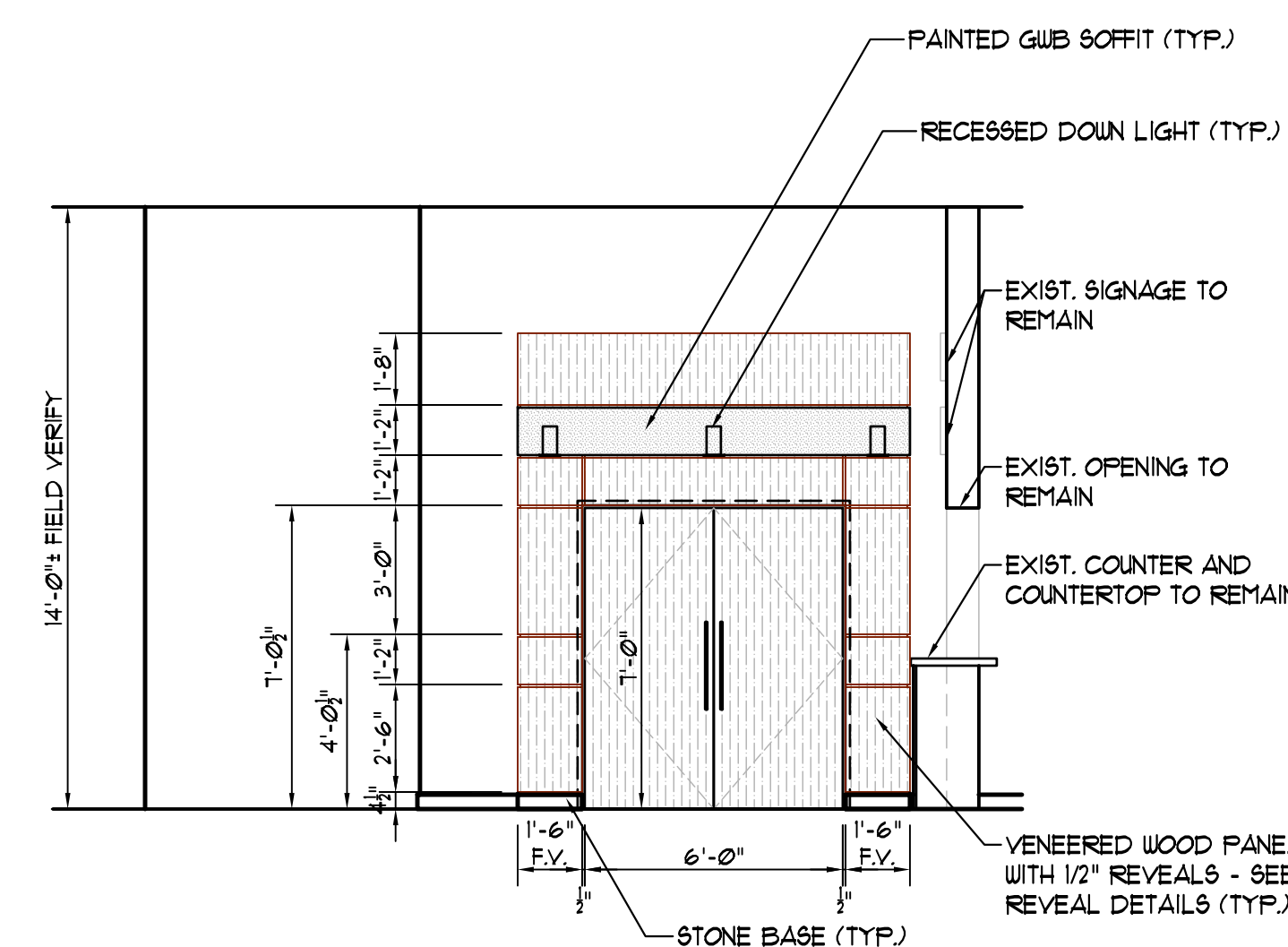
SCALE: 1/4" = 1'-0"

NOTE:
DIMENSIONS OF HORIZONTAL REVEALS
ARE TAKEN TO BOTTOM OF REVEAL, AND
DIMENSIONS OF VERTICAL REVEALS ARE
TAKEN TO CENTERLINE OF REVEAL (TYP.)



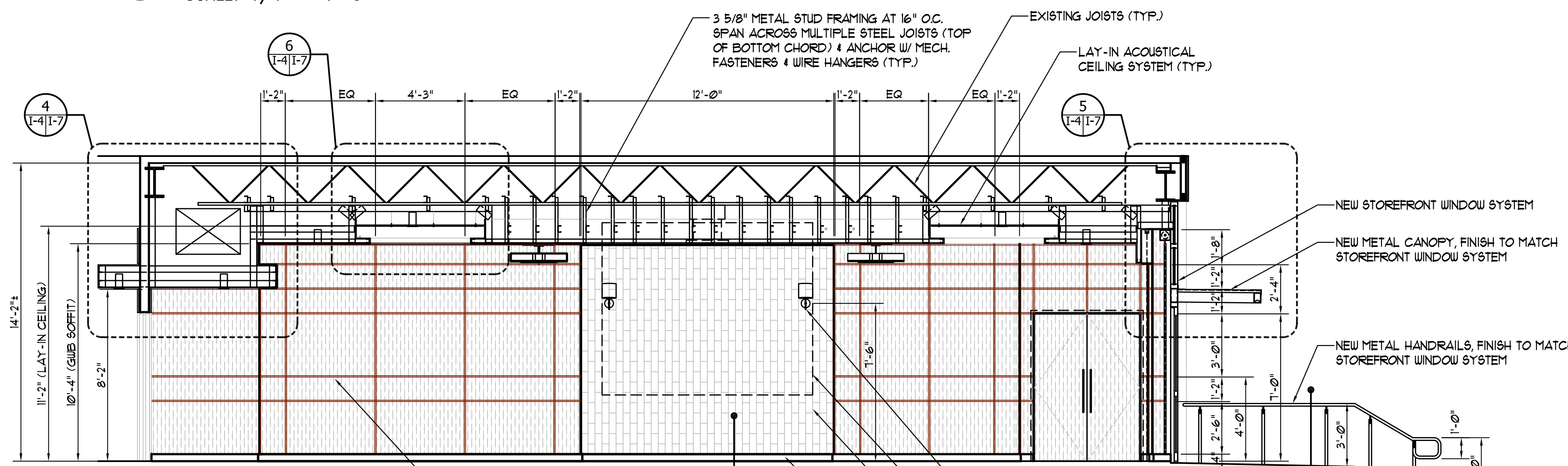
**NEW INTERIOR
SOUTH ELEVATION**

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



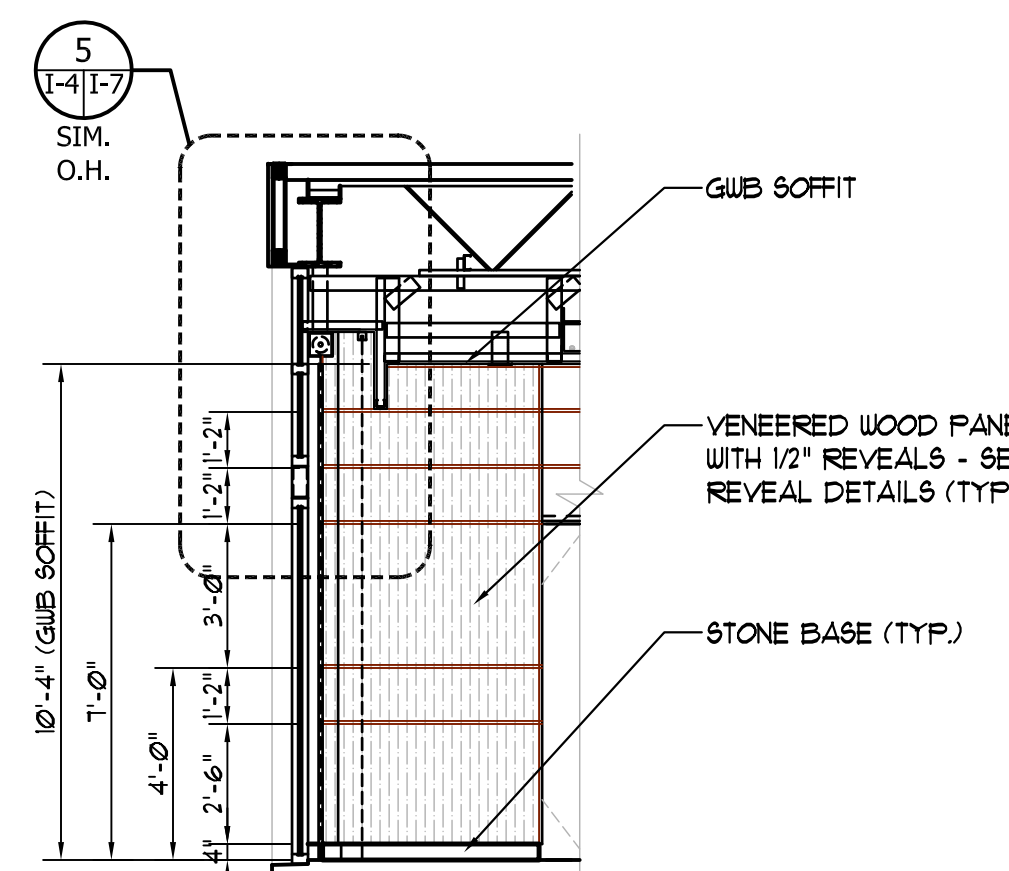
**NEW PARTIAL INTERIOR
LOBBY ELEVATION**

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



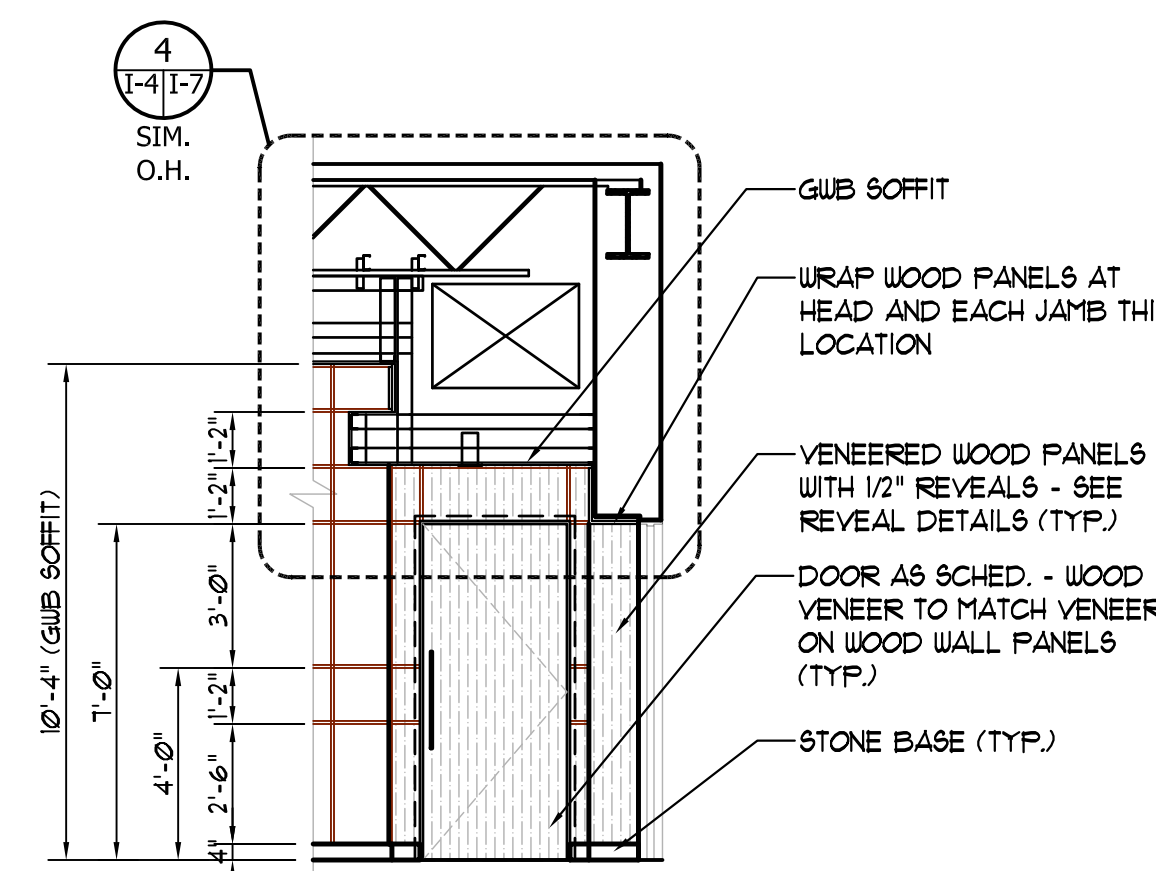
**NEW INTERIOR
WEST ELEVATION**

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



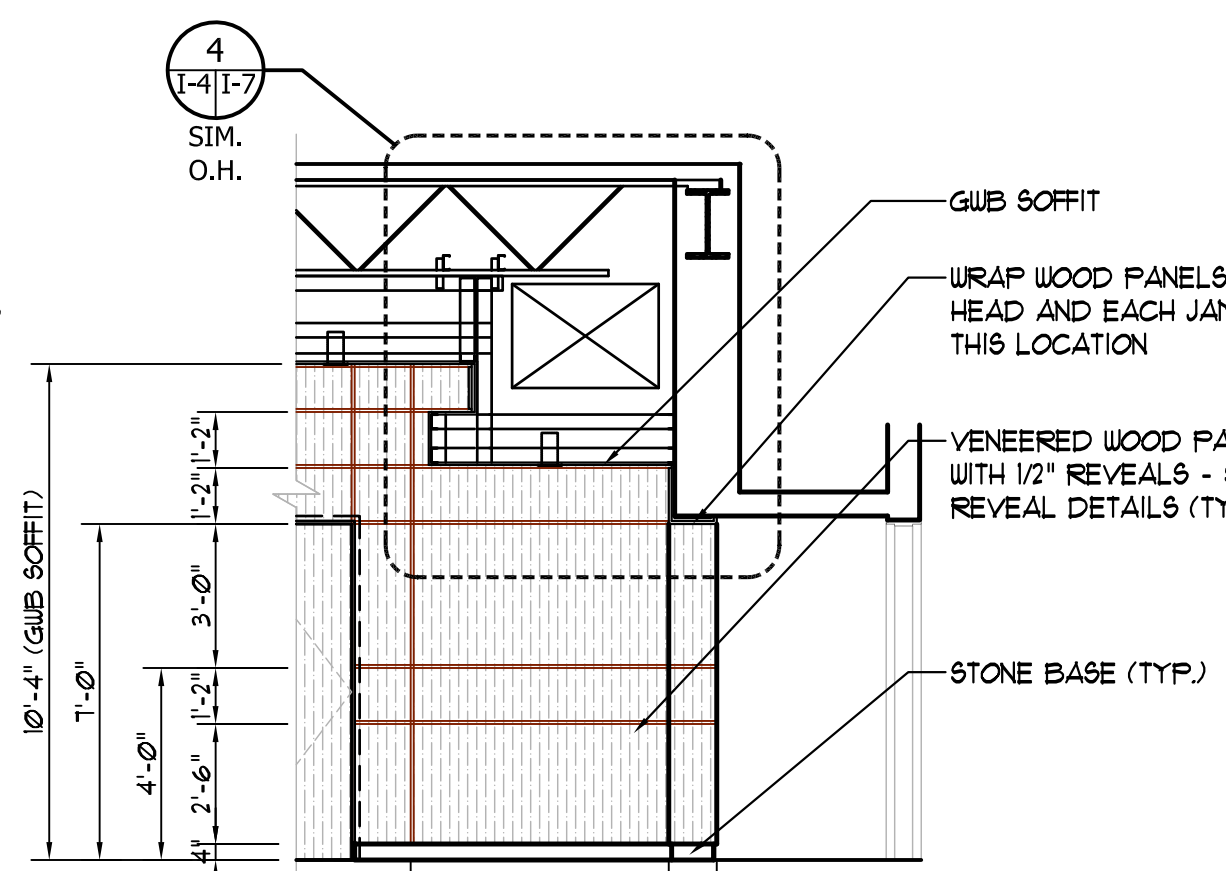
**NEW PARTIAL INTERIOR
EAST ELEVATION**

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



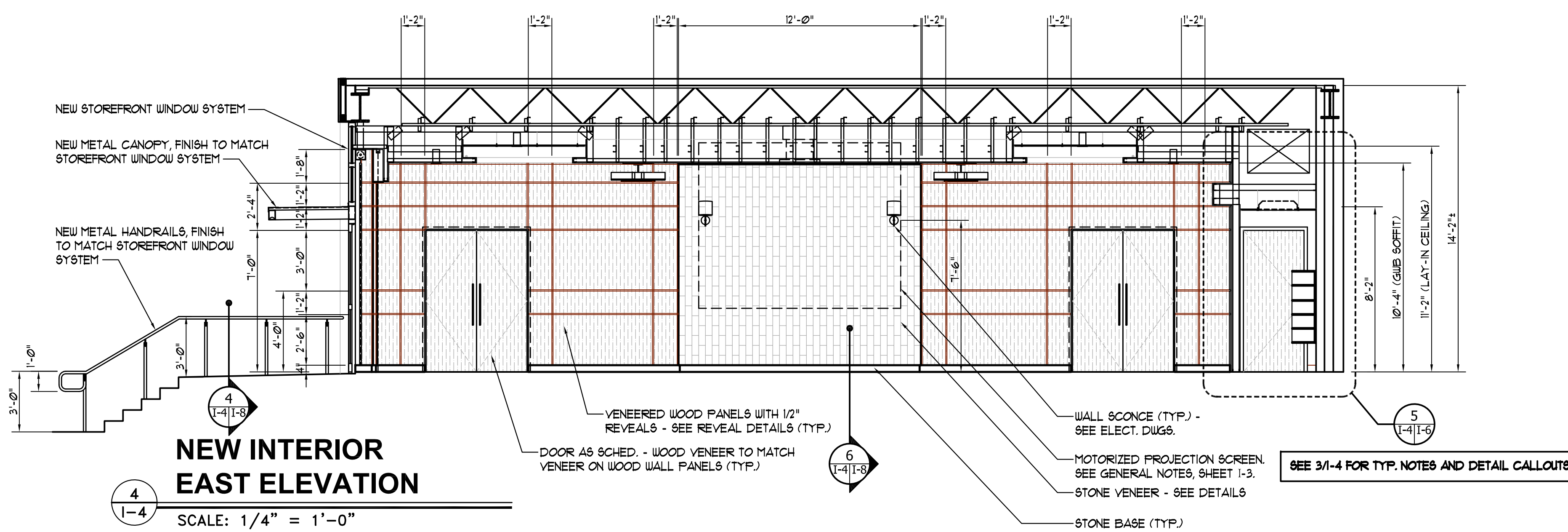
**NEW PARTIAL INTERIOR
EAST ELEVATION**

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



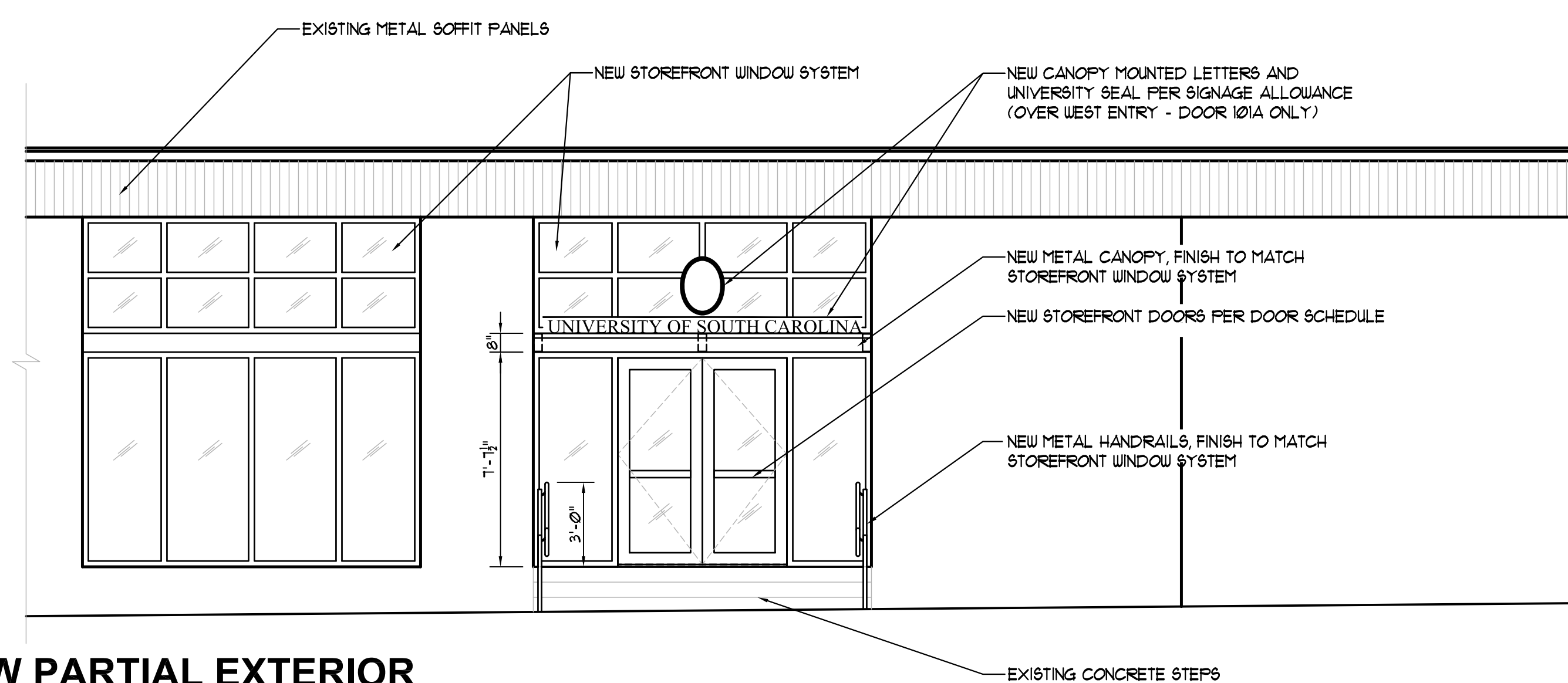
**NEW PARTIAL INTERIOR
EAST ELEVATION**

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



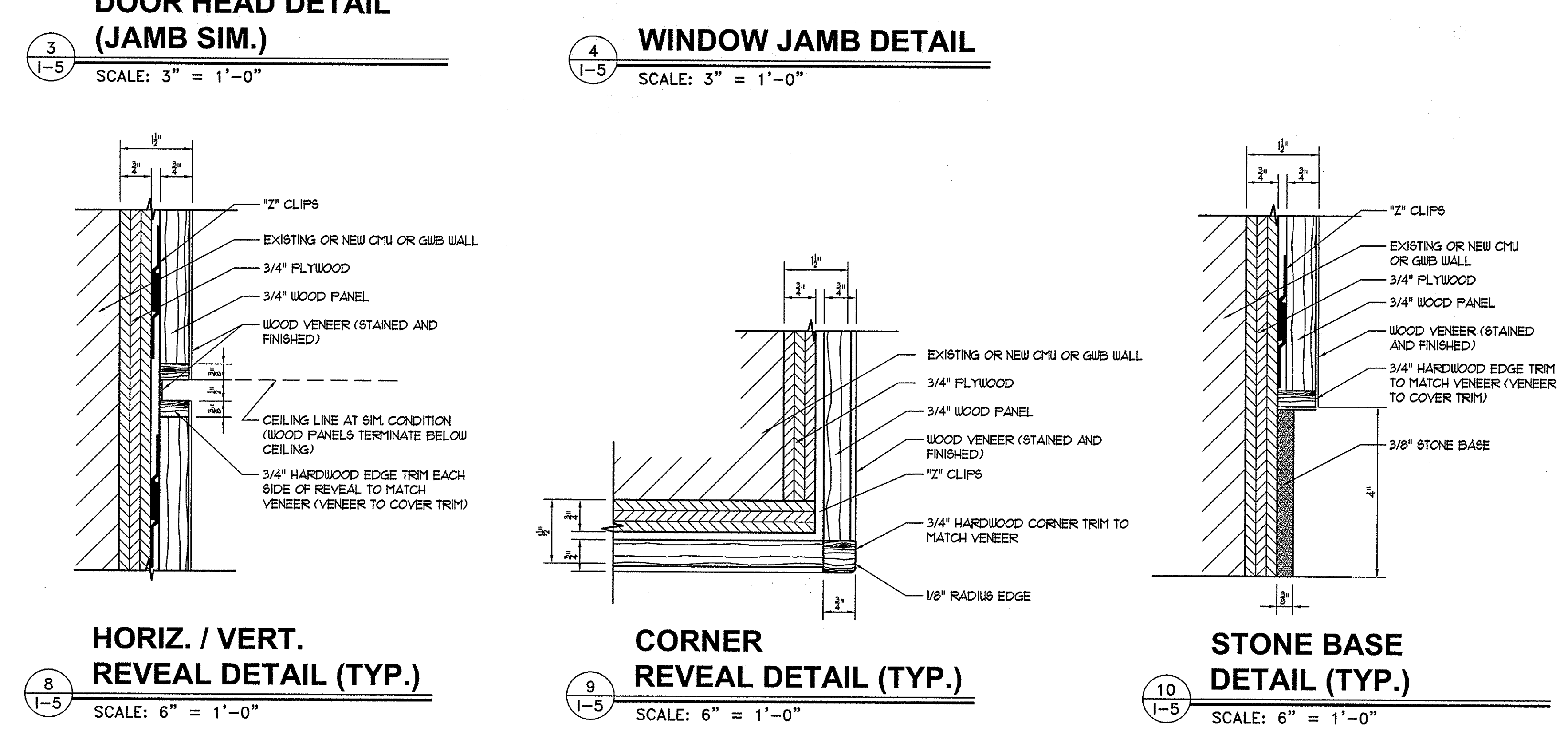
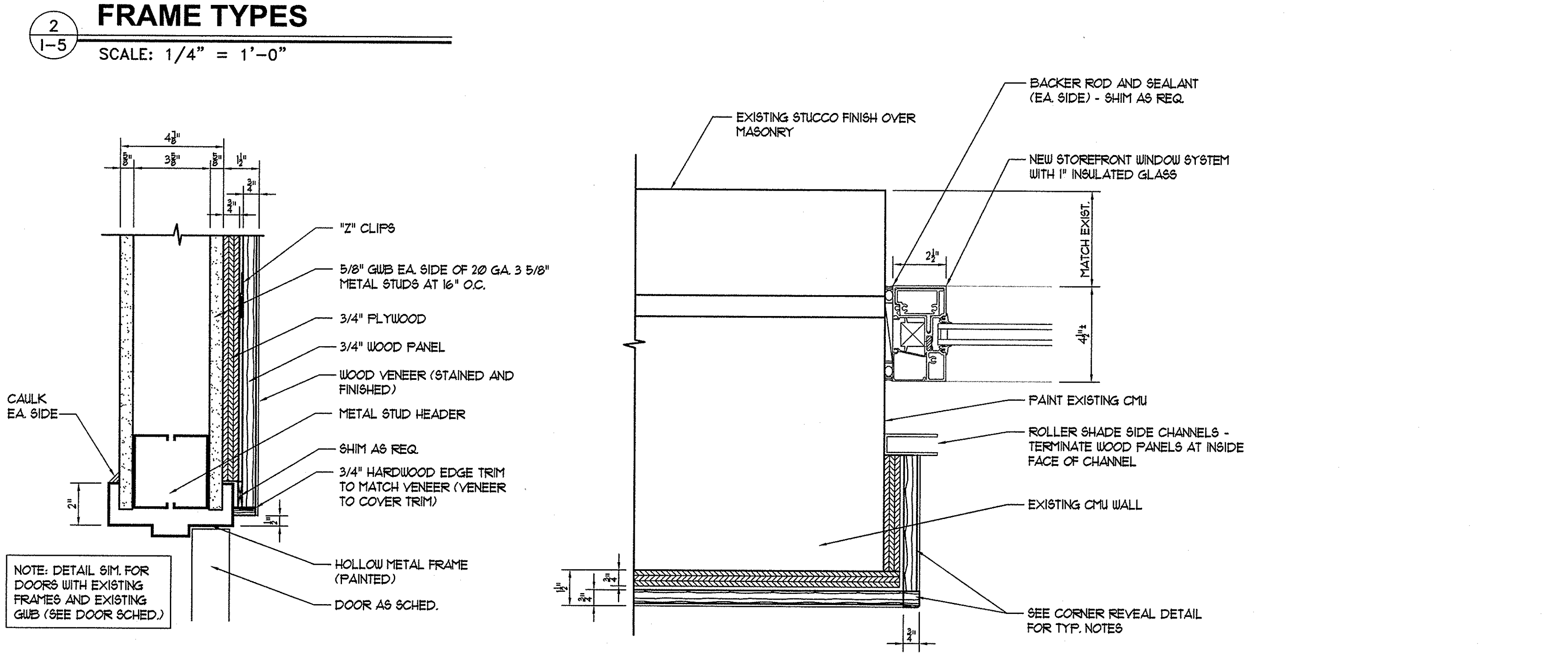
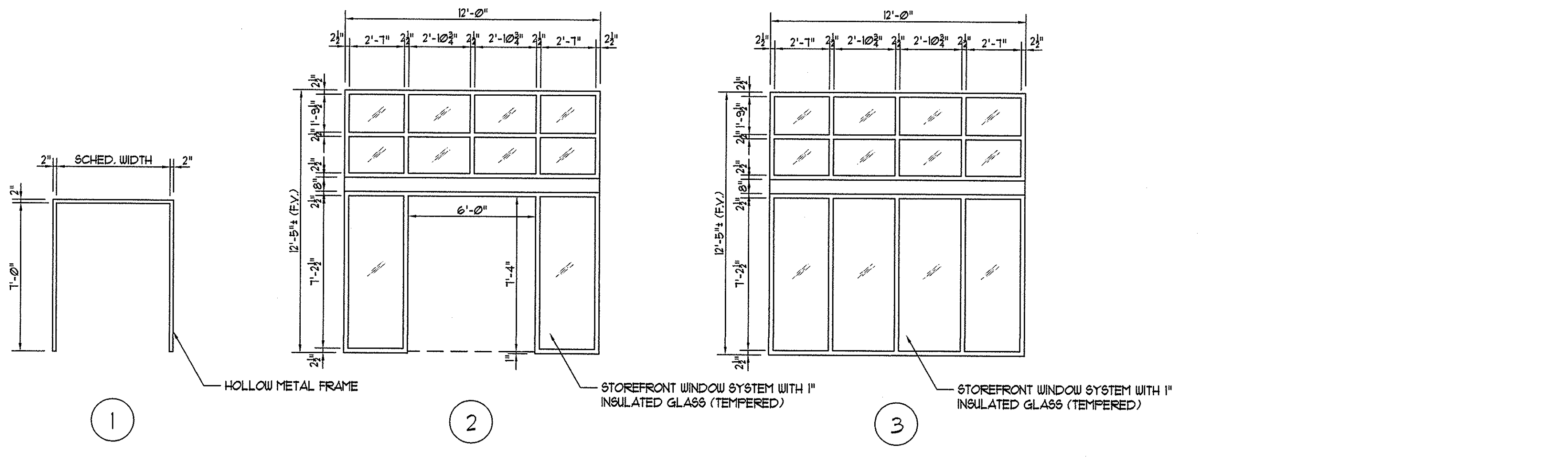
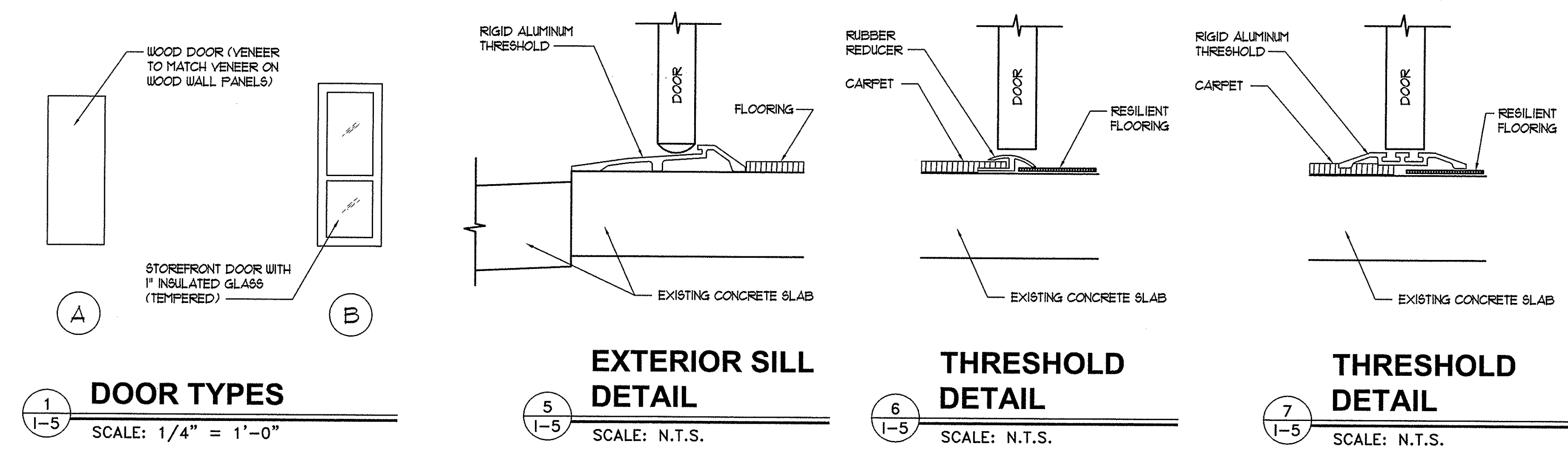
**NEW INTERIOR
EAST ELEVATION**

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



**NEW PARTIAL EXTERIOR
NORTH ELEVATION**

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



DOOR SCHEDULE												
NO.	DOOR						FRAME					REMARKS
	TY.	WIDTH	HEIGHT	TKS	MATL.	FINISH	TY.	H	J	S	MATL.	
101A	B	PR. 3'-0"	7'-4"	1 3/4"	ALUM	PRE-FIN	2	5/4-7	4/5	5/5	ALUM	PRE-FIN
101C	B	PR. 3'-0"	7'-4"	1 3/4"	ALUM	PRE-FIN	2	5/4-7	4/5	5/5	ALUM	PRE-FIN
101D-1	A	PR. 2'-6"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	6/5	HM	PAINT
101D-2	A	PR. 2'-6"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	6/5	HM	PAINT
101E	A	3'-0"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	6/5	HM	PAINT
101F	A	3'-0"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	6/5	HM	PAINT
101G	A	2'-0"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	-	HM	PAINT
101H	A	2'-0"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	-	HM	PAINT
101J	A	3'-0"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	6/5	HM	PAINT
101K	A	3'-0"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	-	HM	PAINT
101L	A	PR. 2'-6"	7'-0"	1 3/4"	SWC	STAIN	1	3/5	3/5 SIM.	-	HM	PAINT
102-1	A	3'-0"	7'-0"	1 3/4"	SWC	STAIN	EXIST.	6/4	6/4 SIM.	7/5	EXIST.	PAINT
102-2	A	3'-0"	7'-0"	1 3/4"	SWC	STAIN	EXIST.	7/4	7/4 SIM.	7/5	EXIST.	PAINT
104	A	PR. 2'-8"	7'-0"	1 3/4"	SWC	STAIN	EXIST.	3/5	3/5 SIM.	6/5	EXIST.	PAINT
108	A	PR. 3'-0"	7'-0"	1 3/4"	SWC	STAIN	EXIST.	4/7	4/7 SIM.	7/5	EXIST.	PAINT

NOTES:
1. WOOD VENEER ON ALL NEW DOORS SHALL MATCH VENEER ON WOOD WALL PANELS THROUGHOUT. COORDINATE WITH WOOD PANEL SUPPLIER.

FINISH SCHEDULE										
NO.	NAME	FLOOR	BASE	WALLS				CEILING		REMARKS
				NORTH	EAST	SOUTH	WEST	MATL.	HEIGHT	
101A	BALLROOM	CPT-1,2,3,4	GSB-1	WD-1	WD-1	WD-1	WD-1/NTVS-1	ACT-1/GWB-1	11'-2"/10'-4"	
101B	BALLROOM	CPT-1,2,3,4	GSB-1	WD-1	WD-1	WD-1	WD-1/NTVS-1	ACT-1/GWB-1	11'-2"/10'-4"	
101C	BALLROOM	CPT-1,2,3,4	GSB-1	WD-1	WD-1/NTVS-1	WD-1	WD-1/NTVS-1	ACT-1/GWB-1	11'-2"/10'-4"	
101D	BANQUET STORAGE	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-2	9'-6"	
101E	LINEN	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-2	8'-0"	
101F	LINEN	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-2	8'-0"	
101G	STORAGE	CPT-1	RB-1	P-1	P-1	P-1	P-1	GWB-2	8'-0"	
101H	STORAGE	CPT-1	RB-1	P-1	P-1	P-1	P-1	GWB-2	8'-0"	
101J	ELECT/DATA	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-2	8'-0"	
101K	COAT	CPT-1	RB-1	P-1	P-1	P-1	P-1	GWB-2	8'-0"	
101L	COAT	CPT-1	RB-1	P-1	P-1	P-1	P-1	GWB-2	8'-0"	
102	KITCHEN	-	-	-	-	-	-	-	-	NO WORK
104	MECHANICAL	-	-	-	-	-	-	-	-	NO WORK
108	LOBBY	-	-	WD-1*	-	-	-	-	-	*BASE AT WOOD VENEER PANELS TO BE GSB-1.

NOTES:
1. SEE REFLECTED CEILING PLAN AND DETAILS FOR GWB SOFFIT LAYOUT. PAINT ALL GWB SOFFITS PER COLOR SCHEDULE.
2. SEE FLOOR FINISH PLAN FOR CARPET PATTERN LAYOUT.
3. SEE INTERIOR ELEVATIONS AND DETAILS FOR WOOD PANEL LAYOUT.
4. SEE COLOR SCHEDULE FOR ALL DESIGNATIONS LISTED ABOVE IN FINISH SCHEDULE.

COLOR SCHEDULE										
FLOORING:							GENERAL NOTES:			
CPT-1	Custom	General Carpet	-	Modular Carpet Tile	Pattern and Colors to be determined.	See Carpet Allowance.	1. Granite Countertop Material: Black Absolute Z, by G&L Marble; or equal to match Architect's sample subject to approval by Architect. Slab cut to size and shapes required. See drawings.			
CPT-2	Custom	Border Carpet	-	Modular Carpet Tile	Pattern and Colors to be determined.	See Carpet Allowance.				
CPT-3	Custom	Border Carpet	-	Modular Carpet Tile	Pattern and Colors to be determined.	See Carpet Allowance.				
CPT-4	Custom	Field Carpet	-	Modular Carpet Tile	Pattern and Colors to be determined.	See Carpet Allowance.				
VCT-1	Vinyl	Composition Tile	-	Imperial Texture, Standard Excelon	51908 Pewter, 12"x12"x 1/8", by Armstrong.					
BASE:							RB-1 Rubber Wall Base shall be 1/8" TYPE TS THERMOSET VULCANIZED RUBBER COVE BASE, Standard Toe Base 5/8" with a height of 4" (unless otherwise indicated on Finish Schedule). Use 120 ft. coil lengths with a thickness of 1/8". Color shall be P100 Black, Pinnacle Series, by Roppe.			
RB-1										
GSB-1										
WALLS:							WD-1 Flush wood veneer paneling 3/4" thick, with 1/2" reveals as indicated in Architectural Drawings. Wood grain on all vertical surface shall run vertically. See specification manual and drawings. Veneer stain and finish to match Architect's Sample.			
WD-1										
NTVS-1										
PAINT:							PT-1 General Wall Paint - Color to be selected by Architect.			
PT-1										
PT-2										
PT-3										
CEILING:							ACT-1 Acoustical Ceiling Tile - Ultima High CAC - Item #1952, 24" x 24" x 3/4", Grid Fac 9/16", Beveled Tegular Edge, Color: White, Acoustics NRC 0.80, Acoustics CAC 40, Class A, Light Reflectance 0.90, Humiguard Plus, BioBlock+, Scratch Resistance, Impact Resistance, Washable, Mineral Fiber (wet formed), Texture: Fine, Type: IV, Form: 2, Pattern: E, R Factor-BTU: 2.2 BTU, R Factor Watts: 0.39 WAT, 30 year Guarantee against Visible Sag, Against Mold/Mildew & Bacteria. Use with Supratone ML 9/16" Exposed Tee system installed in accordance with CISCA for a seismic site classification Class "D".			
ACT-1										
ACT-2							ACT-2 Acoustical Ceiling Tile - Ultima - Item #1910, 24" x 24" x 3/4", Grid Fac 15/16", Square Edge, Color: White, Acoustics NRC 0.70, Acoustics CAC 35, Class A, Light Reflectance 0.90, Humiguard Plus, BioBlock+, Scratch Resistance, Impact Resistance, Washable, Mineral Fiber (wet formed), Texture: Fine, Type: IV, Form: 2, Pattern: E, R Factor-BTU: 2.2 BTU, R Factor Watts: 0.39 WAT, 30 year Guarantee against Visible Sag, Against Mold/Mildew & Bacteria. Use with Prelude XL 15/16" Exposed Tee system installed in accordance with CISCA for a seismic site classification Class "D".			
GWB-1							GWB-1 Gypsum Wall Board - Color to be selected by Architect.			
GWB-2							GWB-2 Gypsum Wall Board - Color to be selected by Architect.			

Jumper
Carter
Sease

Architects
PA
412 Meeting Street
West Columbia
South Carolina

CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY: DFB

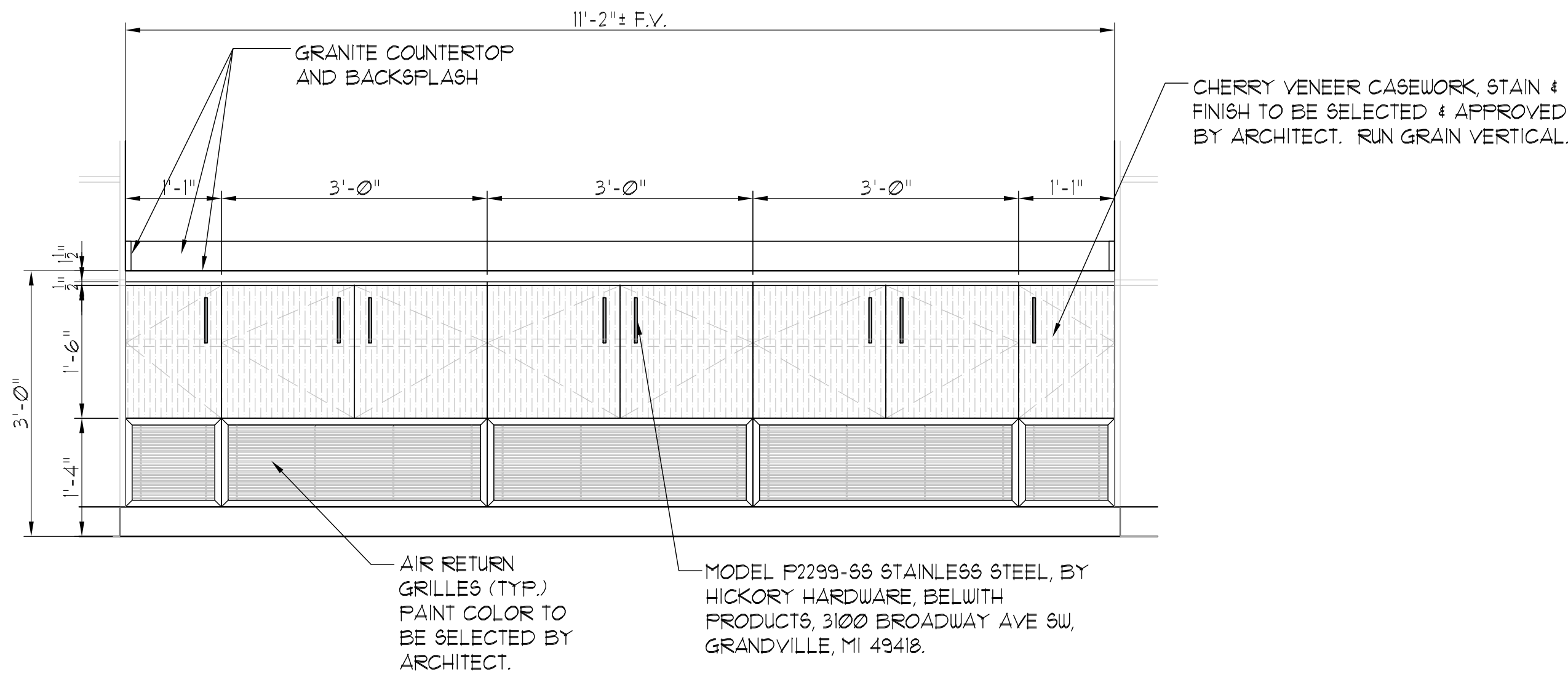
CHECKED BY:

COMM NO: 11103

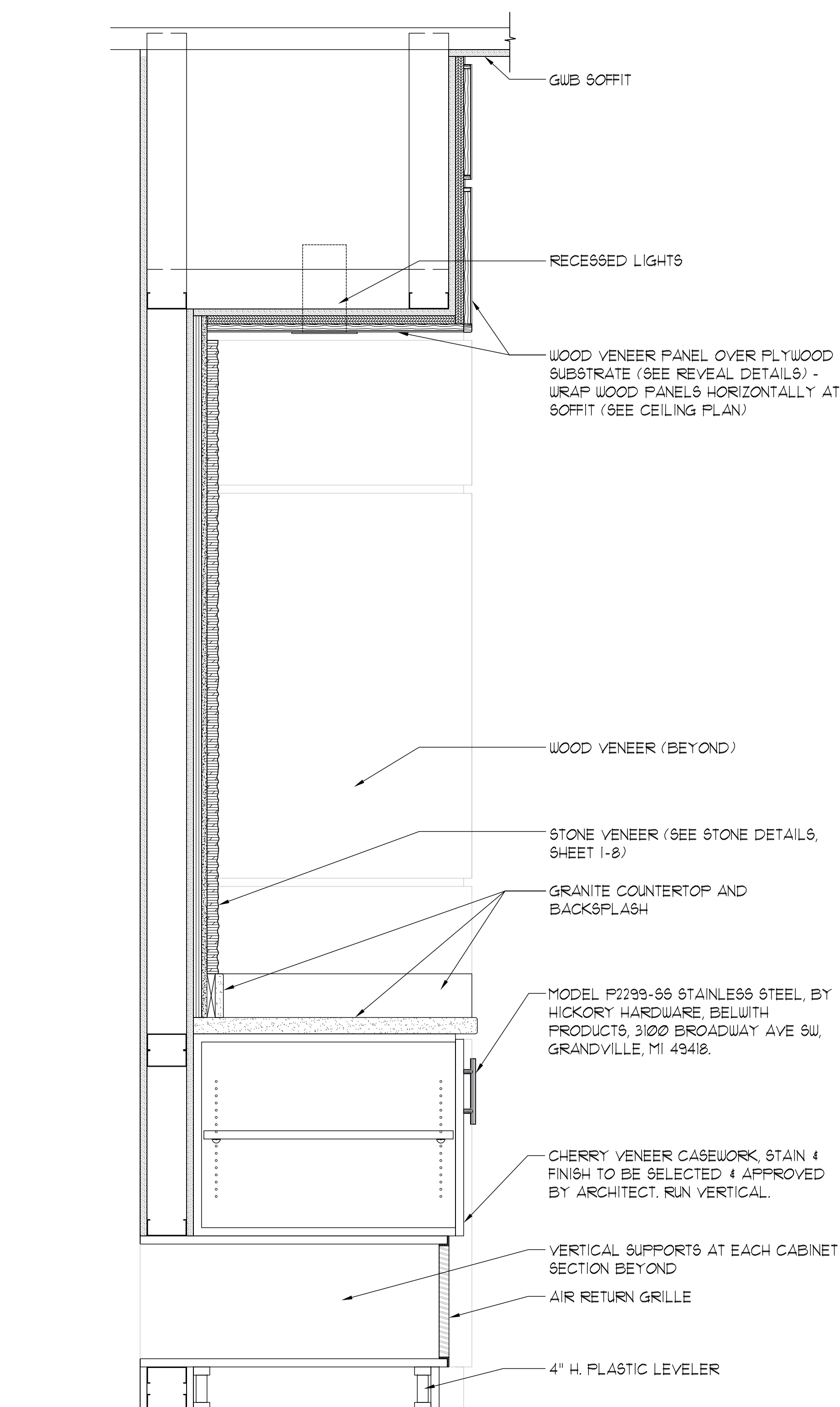
DATE: 2/15/2012

SHEET TITLE: DOOR SCHEDULE / FINISH SCHEDULE / COLOR SCHEDULE / DOOR & WINDOW TYPES & DETAILS / PANEL DETAILS

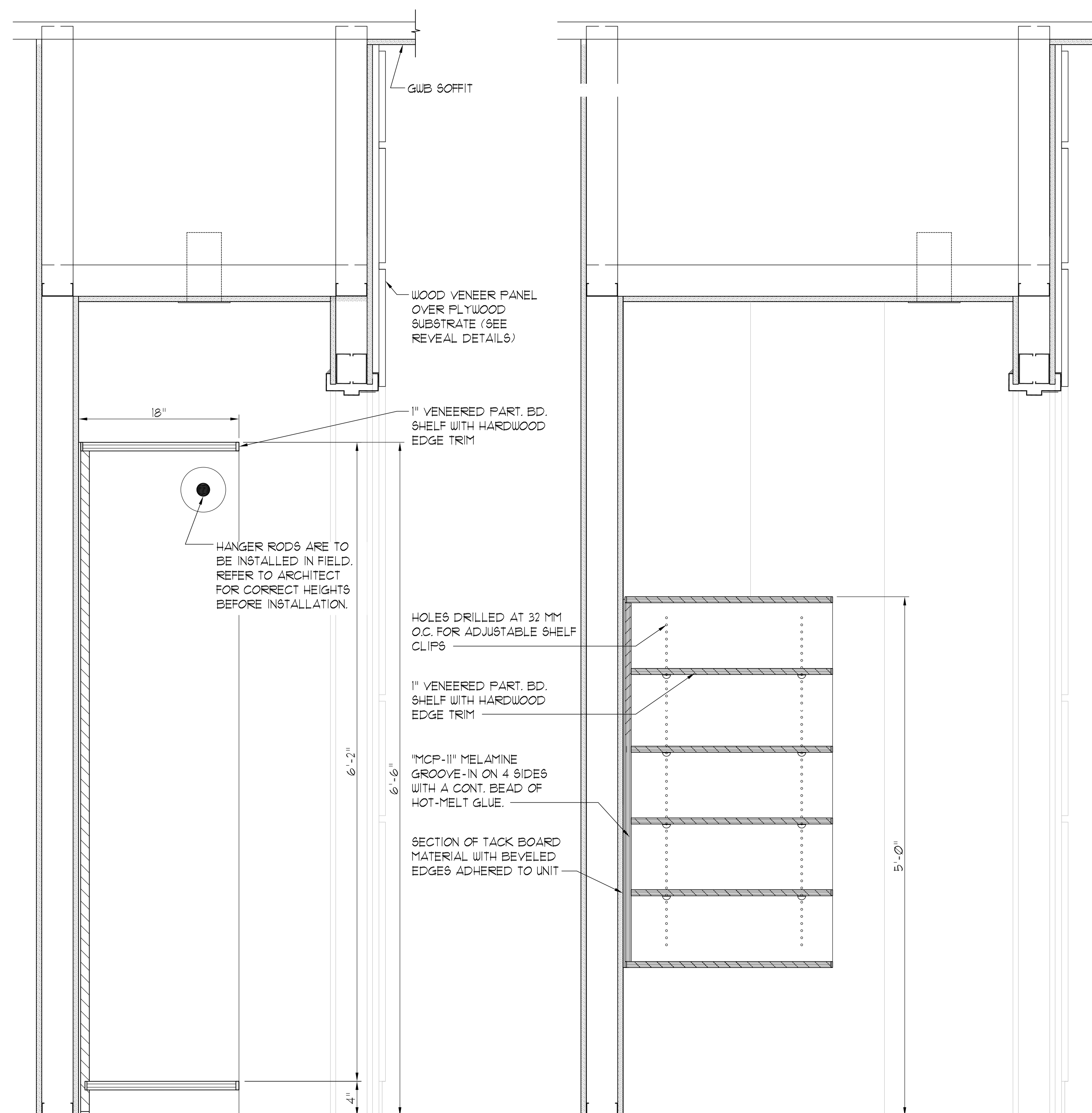
SHEET NO: I-5



1
1-6 CASEWORK ELEVATION
SCALE: 3/4" = 1'-0"

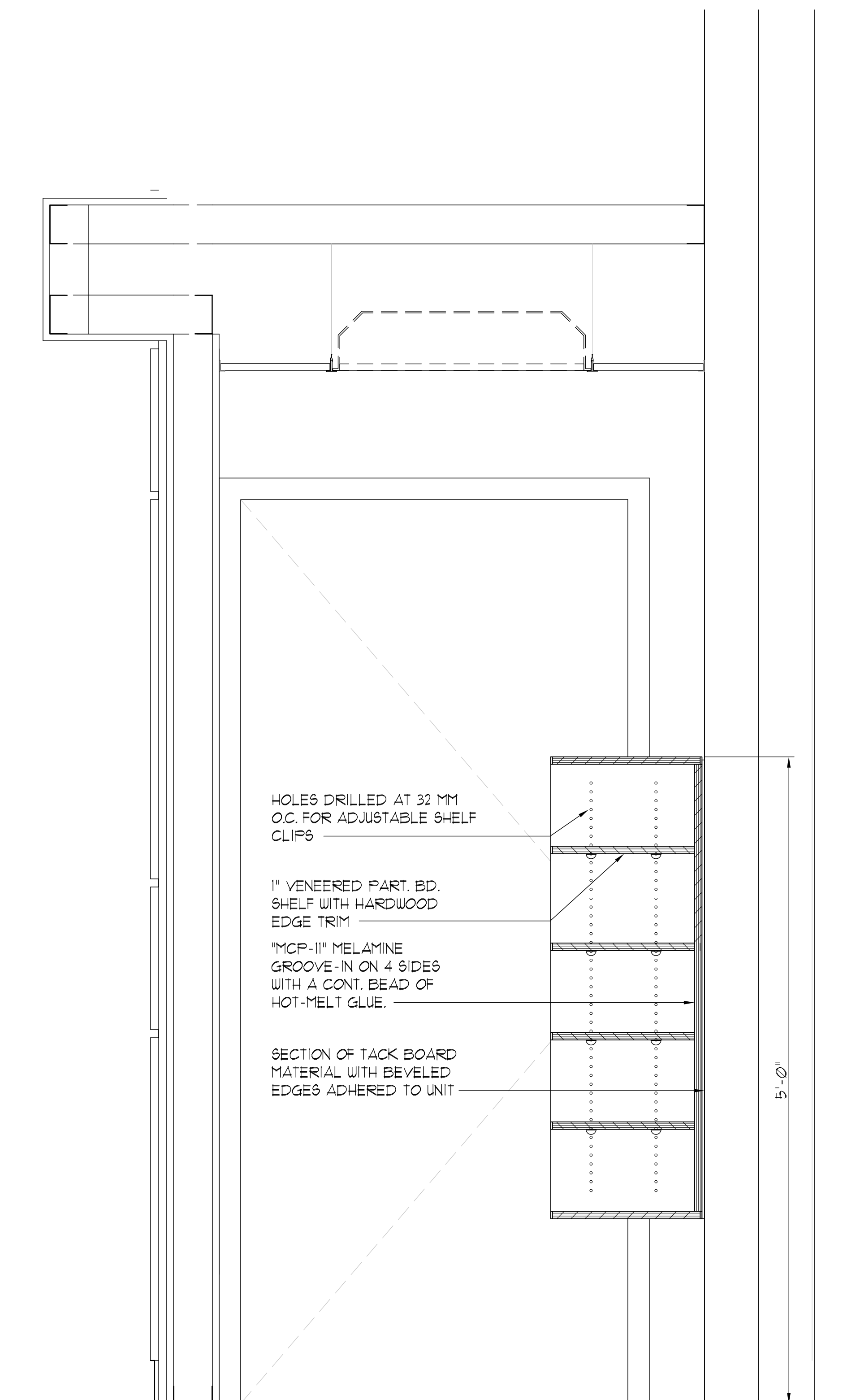


2
1-6 CASEWORK SECTION
SCALE: 1 1/2" = 1'-0"



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

4
1-3 1-6 CASEWORK SECTION
SCALE: 1 1/2" = 1'-0"



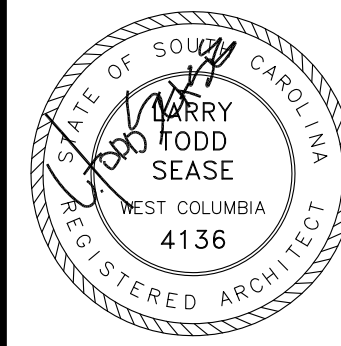
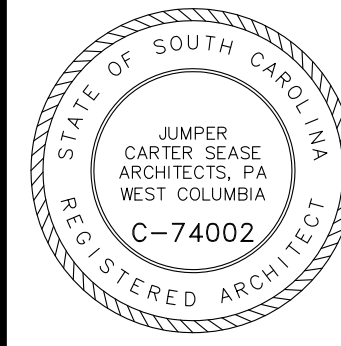
5
1-4 1-6 CASEWORK SECTION
SCALE: 1 1/2" = 1'-0"

Jumper

Carter

Sease

Architects
PA
412 Meeting Street
West Columbia
South Carolina



CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY: DFB

CHECKED BY:

COMM NO: 11103

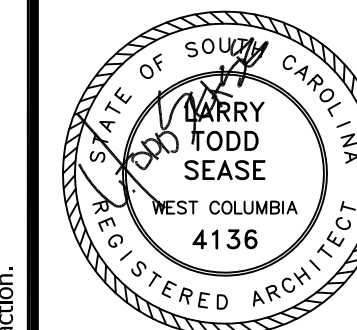
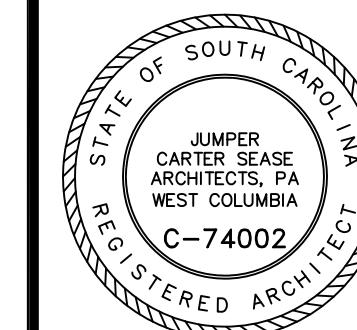
DATE: 2/15/2012

SHEET TITLE:

CASEWORK
ELEVATIONS &
DETAILS

SHEET NO:

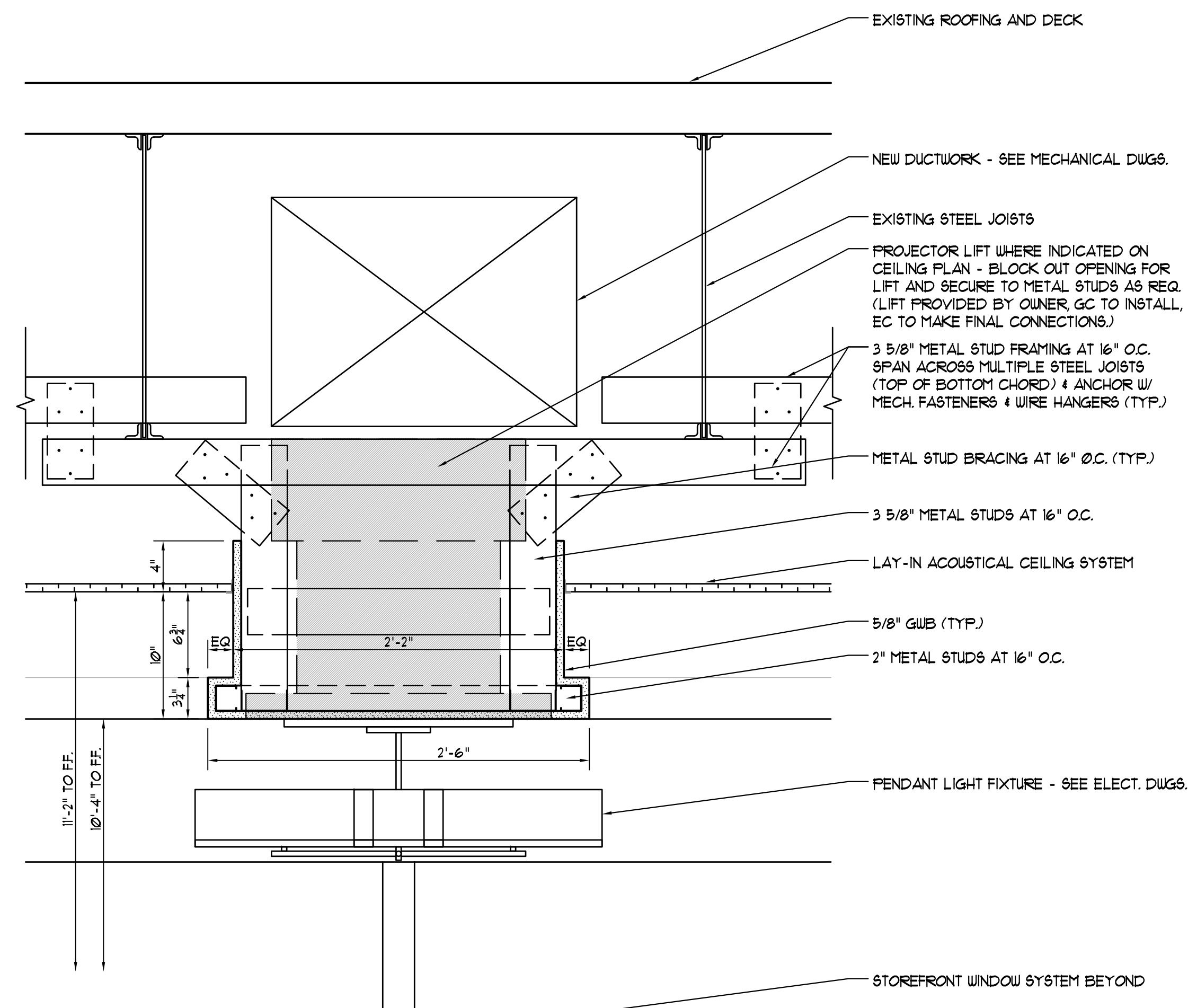
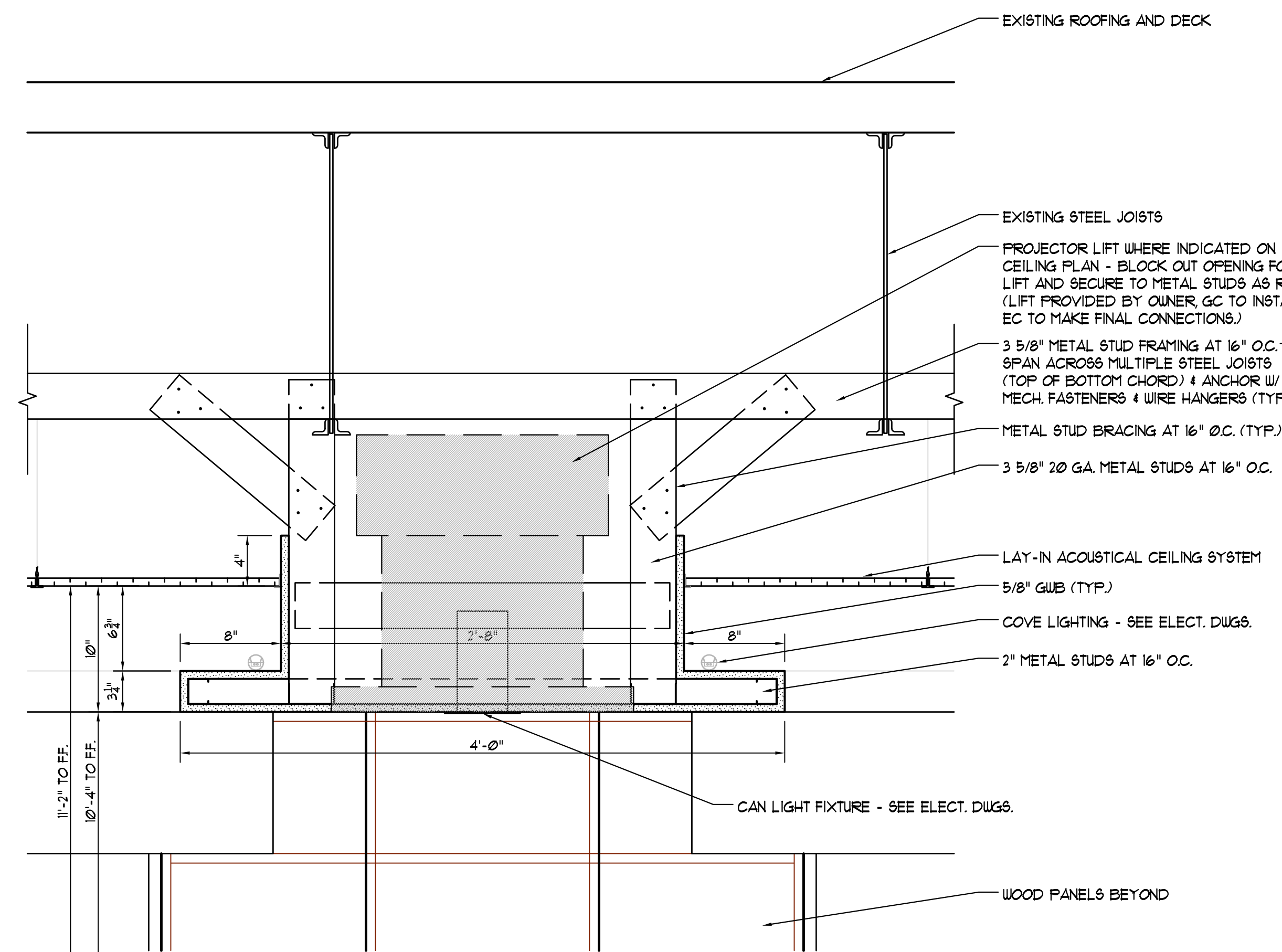
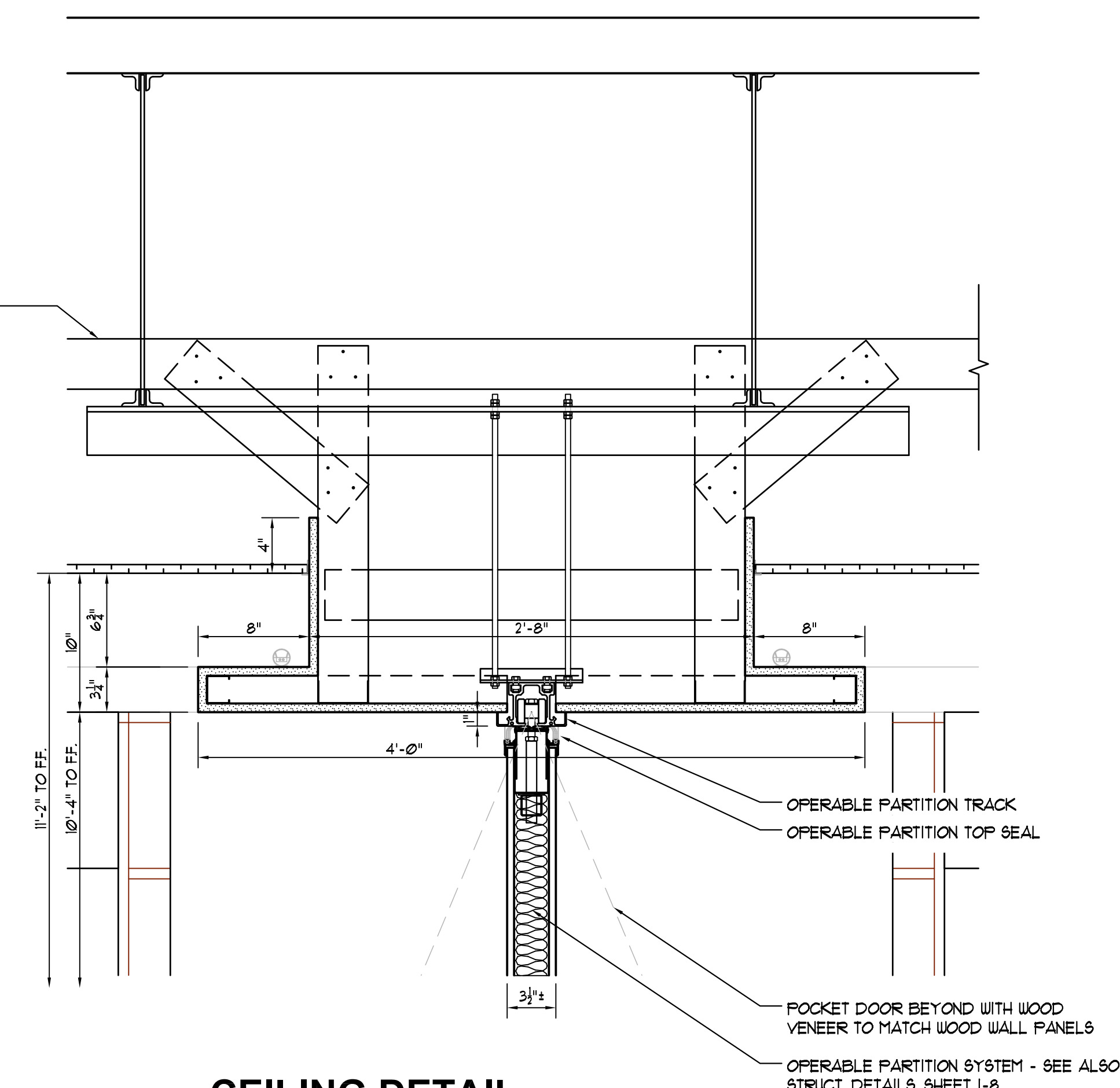
I-6



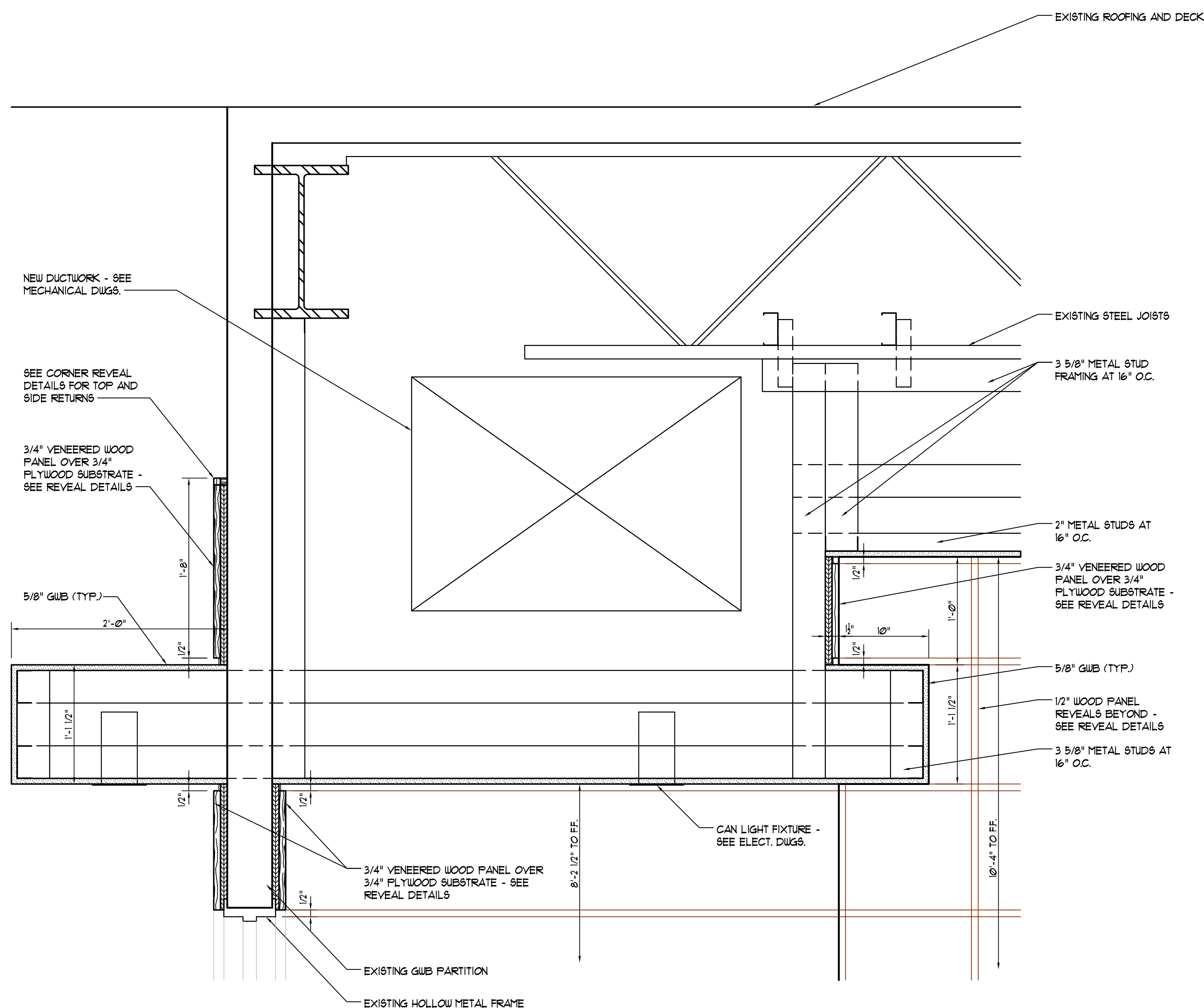
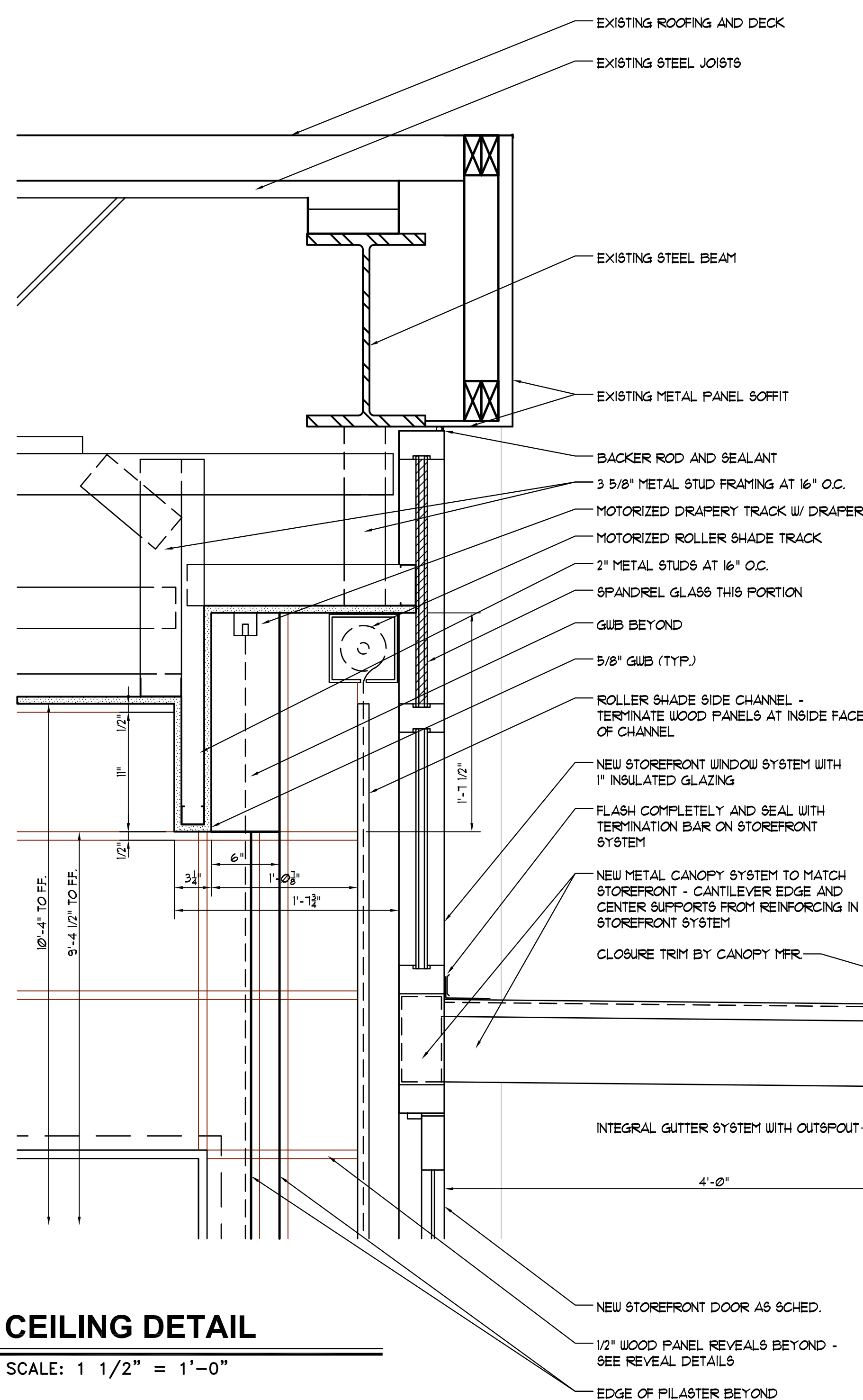
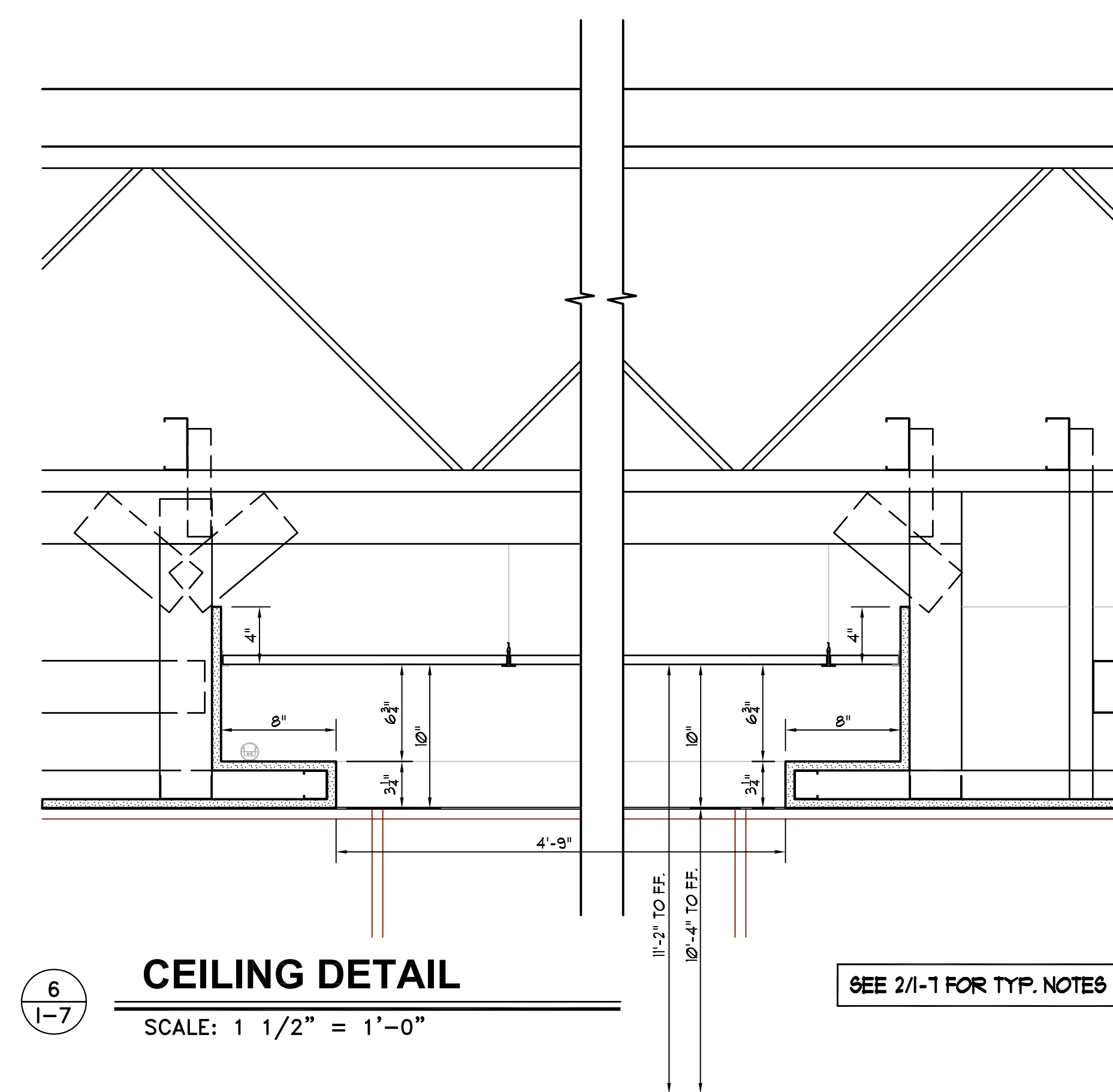
REVISIONS:

DRAWN BY: DFB
CHECKED BY:
COMM NO: 11103
DATE: 2/15/2012
SHEET TITLE:CEILING
DETAILS

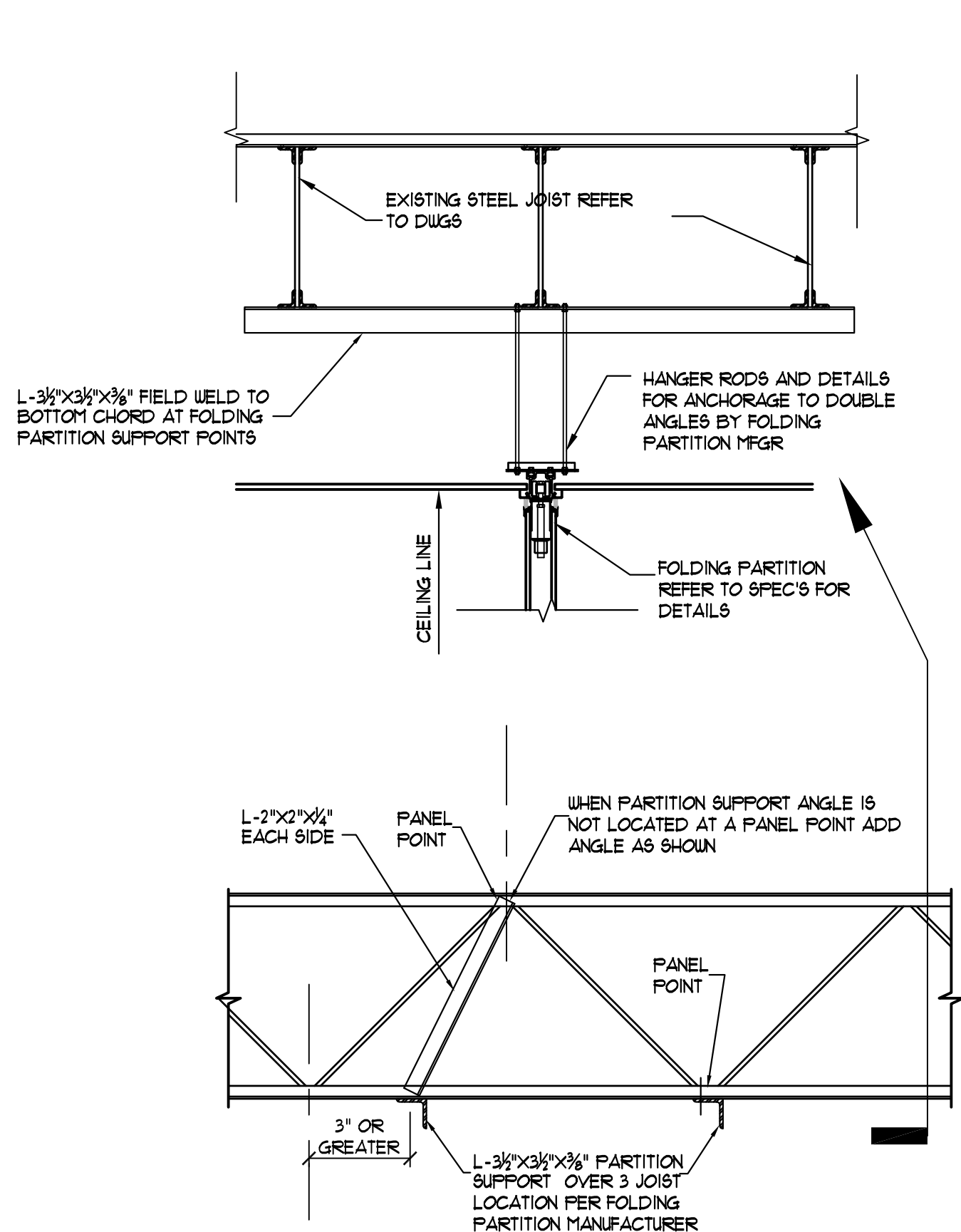
SHEET NO:

**1**
CEILING DETAIL
SCALE: 1 1/2" = 1'-0"**2**
CEILING DETAIL
SCALE: 1 1/2" = 1'-0"**3**
CEILING DETAIL
SCALE: 1 1/2" = 1'-0"

SEE 2/1-1 FOR TYP. NOTES

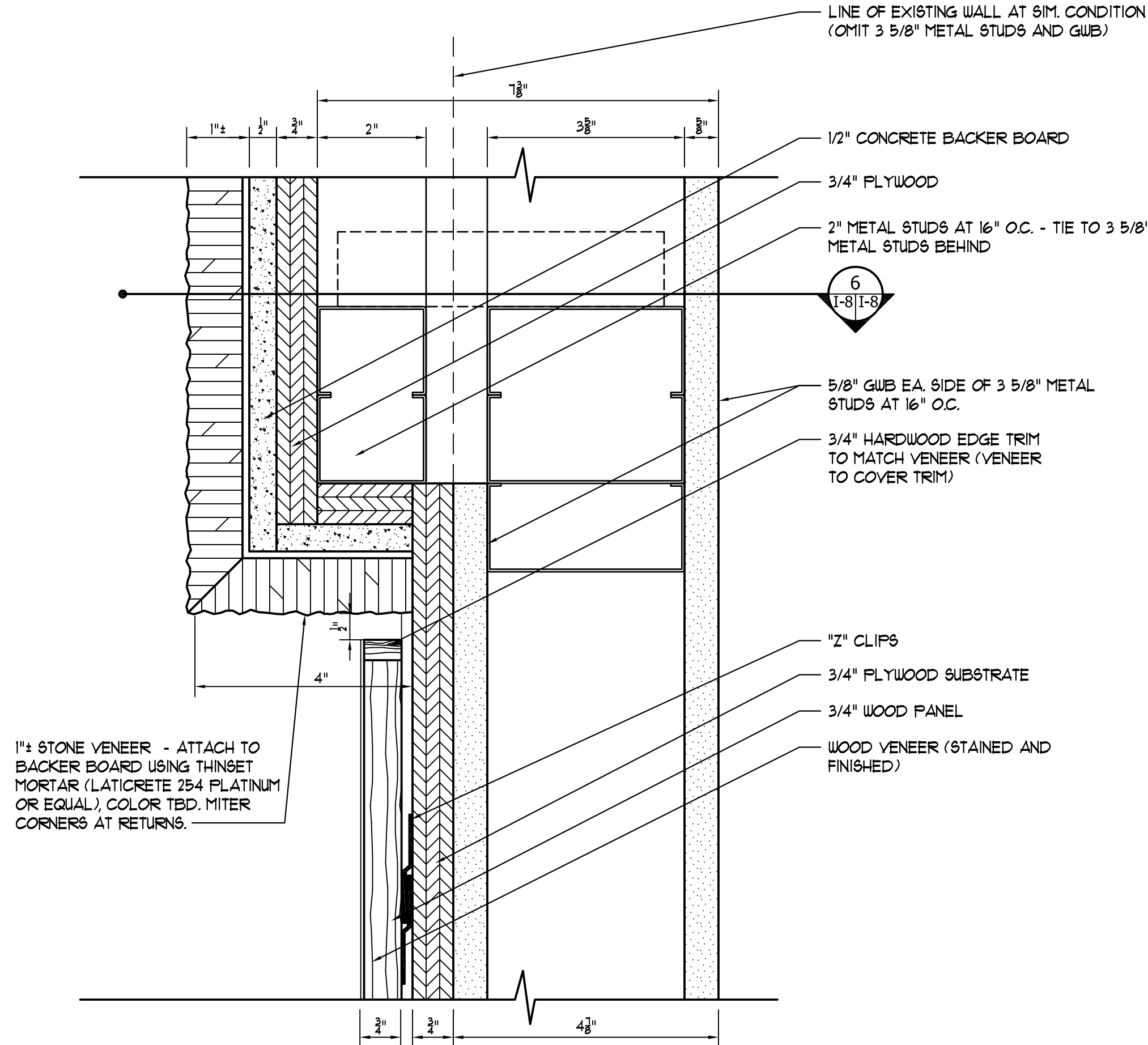
**4**
CEILING DETAIL
SCALE: 1 1/2" = 1'-0"**5**
CEILING DETAIL
SCALE: 1 1/2" = 1'-0"**6**
CEILING DETAIL
SCALE: 1 1/2" = 1'-0"

SEE 2/1-1 FOR TYP. NOTES

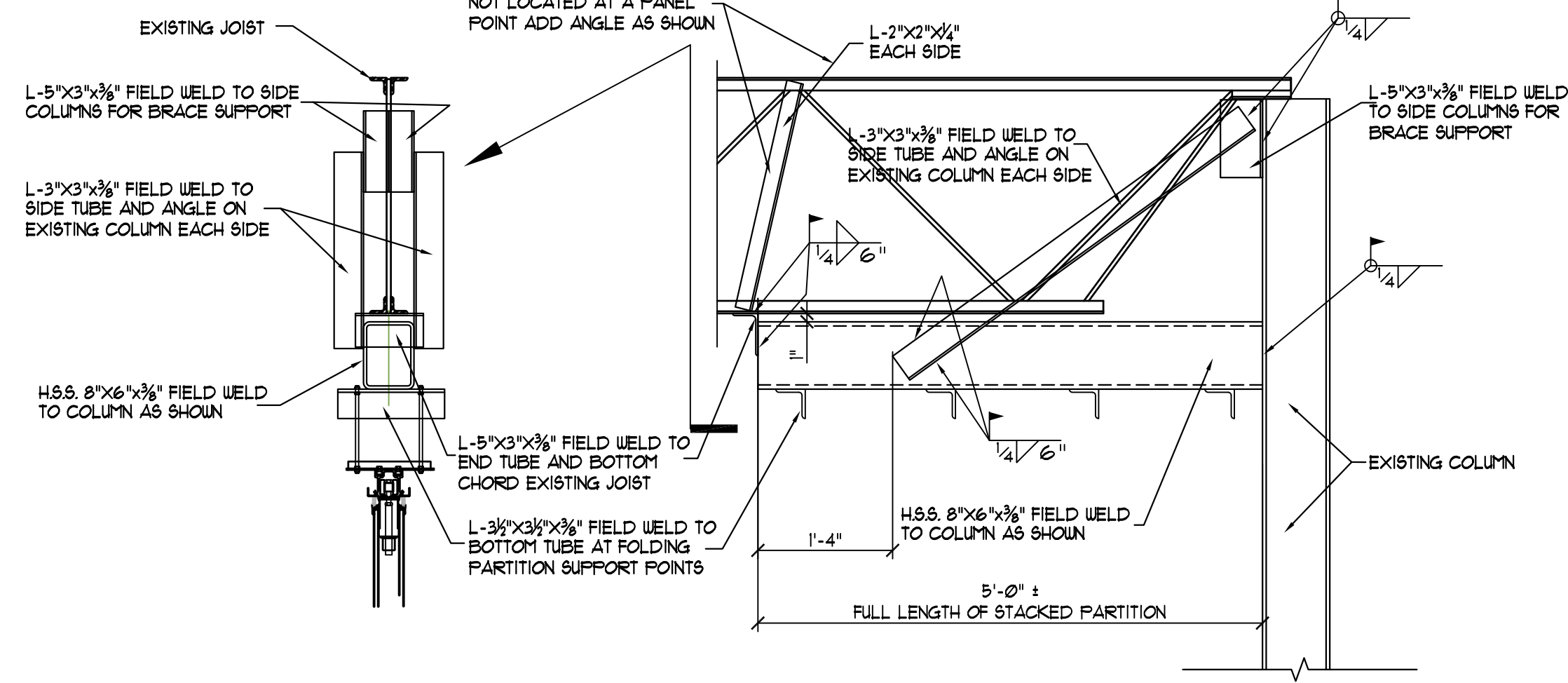


WHEN LOADS OCCUR AT A DISTANCE GREATER THAN THREE INCHES FROM A PANEL POINT, A STRUT ANGLE MUST BE FURNISHED AND INSTALLED IN THE FIELD TO CARRY THE LOAD TO AN OPPOSITE PANEL POINT AS SHOWN.

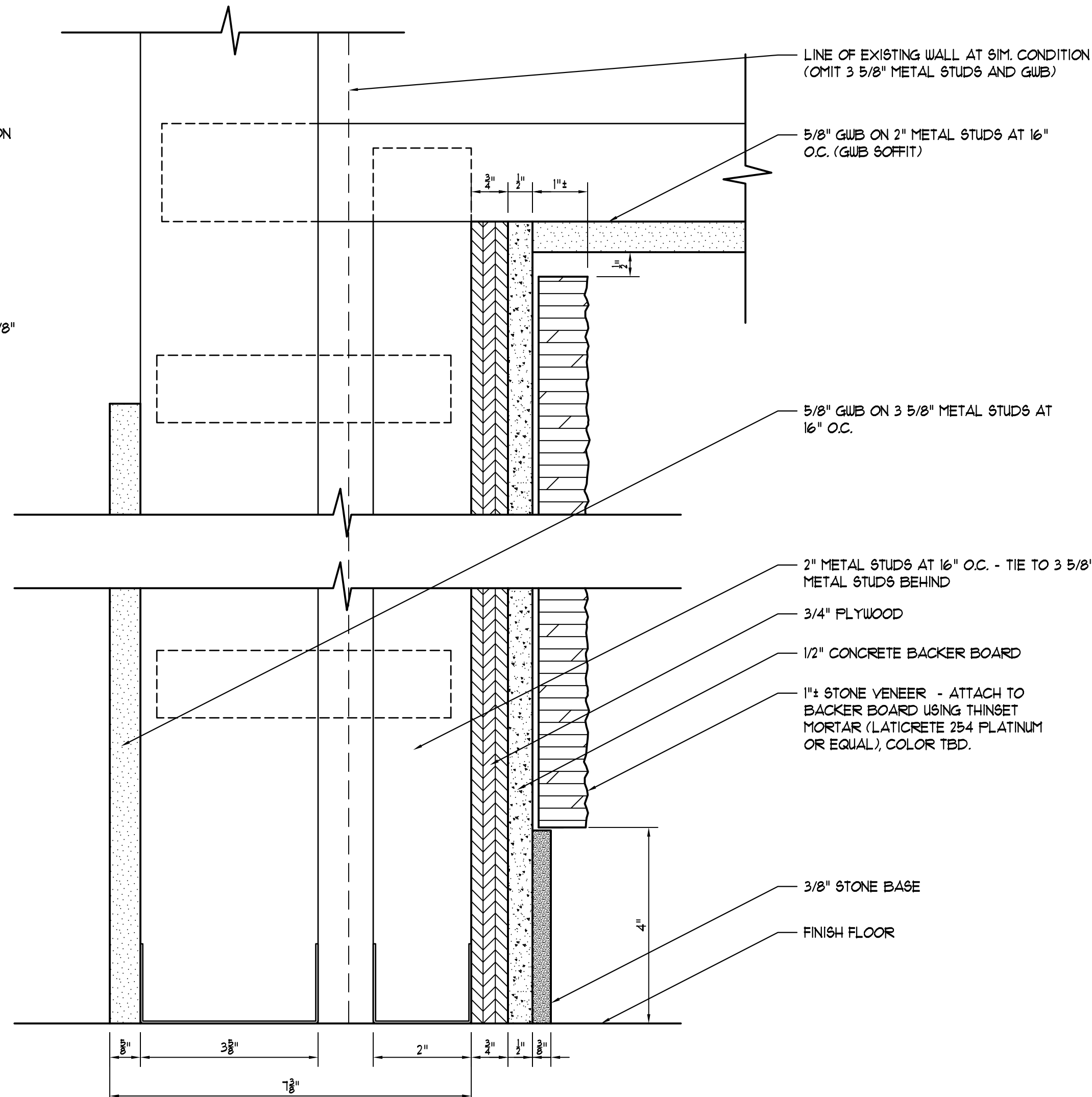
1
1-8 **PARTITION LOADS ON JOISTS**
SCALE: 3/4" = 1'-0"



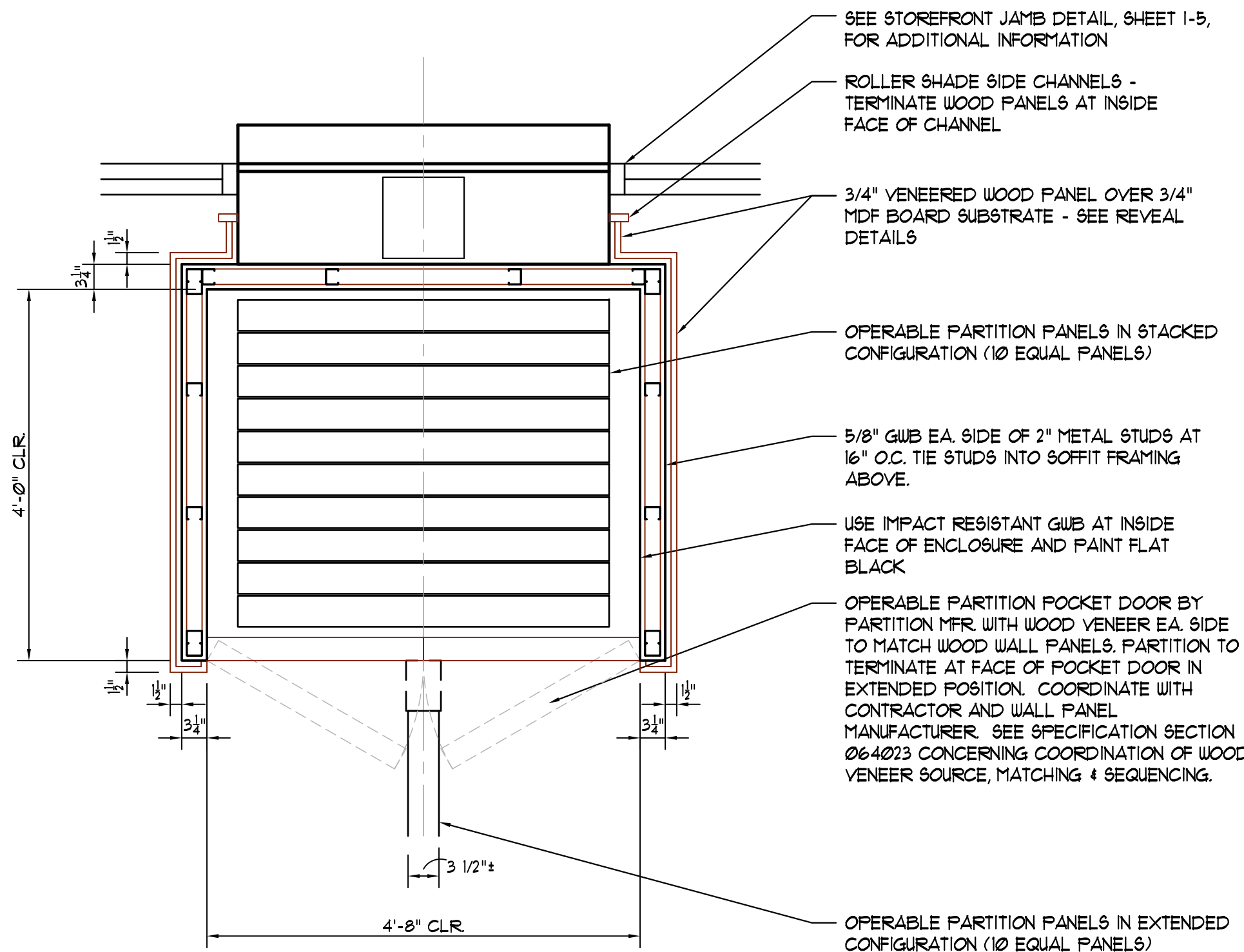
5
1-8 **STONE VENEER PLAN DETAIL**
SCALE: 6" = 1'-0"



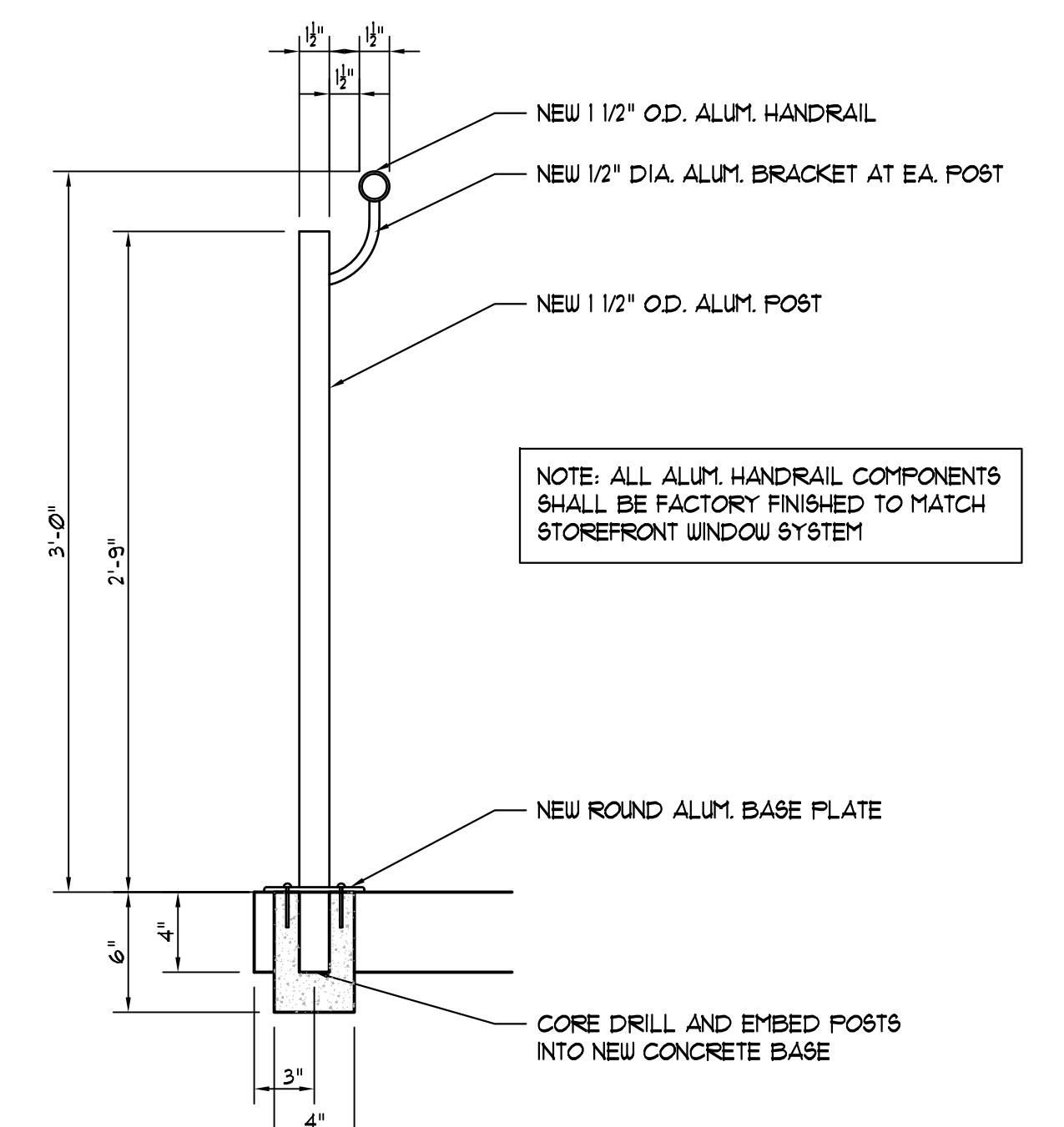
2
1-8 **STACKED PARTITION LOAD SUPPORT**
SCALE: 3/4" = 1'-0"



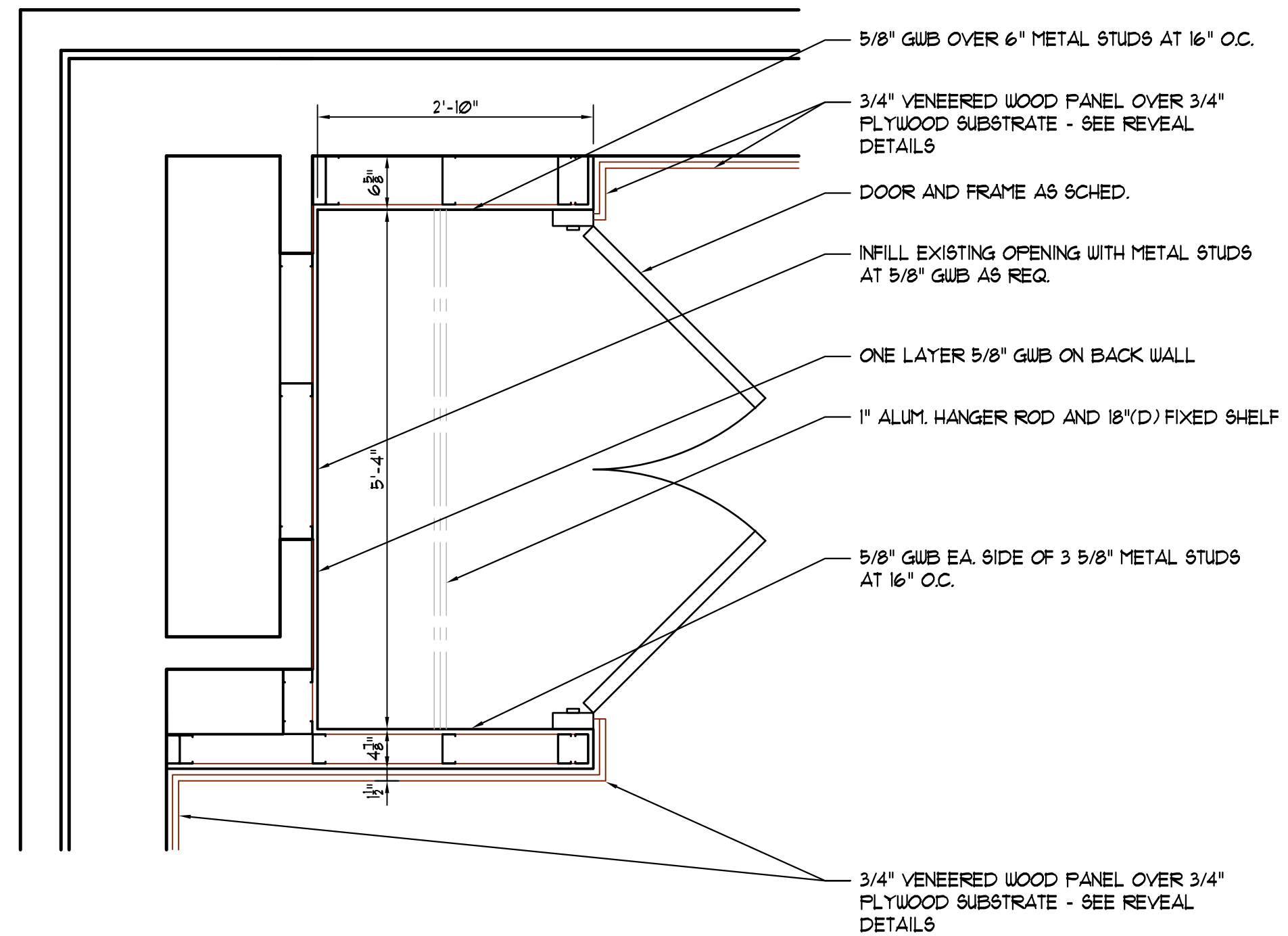
6
1-8 **STONE VENEER SECTION DETAIL**
SCALE: 6" = 1'-0"



3
1-8 **OPERABLE PARTITION ENCLOSURE PLAN DETAIL**
SCALE: 3/4" = 1'-0"



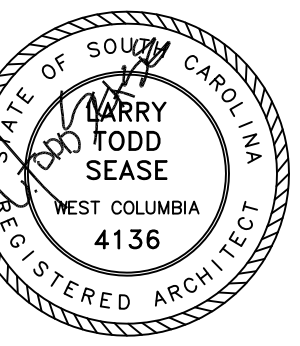
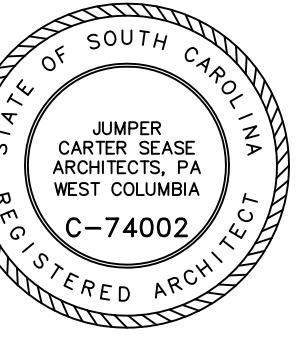
4
1-8 **HANDRAIL DETAIL**
SCALE: 1 1/2" = 1'-0"



6
1-8 **COAT CLOSET PLAN DETAIL**
SCALE: 3/4" = 1'-0"

Jumper
Carter
Sease

Architects
PA
412 Meeting Street
West Columbia
South Carolina



CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY: DFB

CHECKED BY:

COMM NO: 11103

DATE: 2/15/2012

SHEET TITLE:

MISCELLANEOUS
DETAILS

SHEET NO:

I-8

these drawings are the property of Jumper Carter Sease Architects, PA and may not be reproduced, copied or used in whole or in part without written consent of the architect and any infringement will be subject to legal action.

Jumper

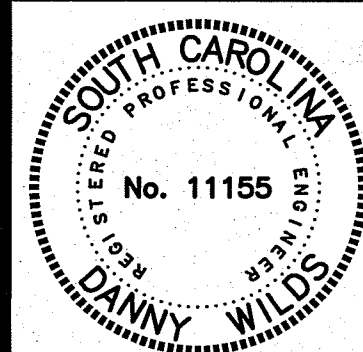
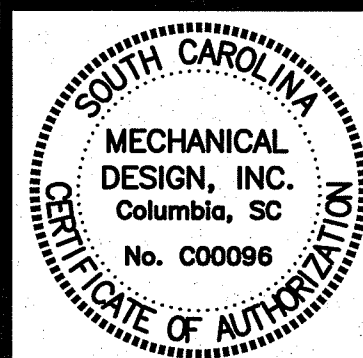
Carter

Sease

Architects

PA

412 Meeting Street
West Columbia
South Carolina



CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

These drawings are the property of Jumper Carter Sease Architects, PA and may not be reproduced, copied or used in whole or in part without written consent of the architect and any infringement will be subject to legal action.

REVISIONS:

DRAWN BY:

CHECKED BY:

COMM NO:

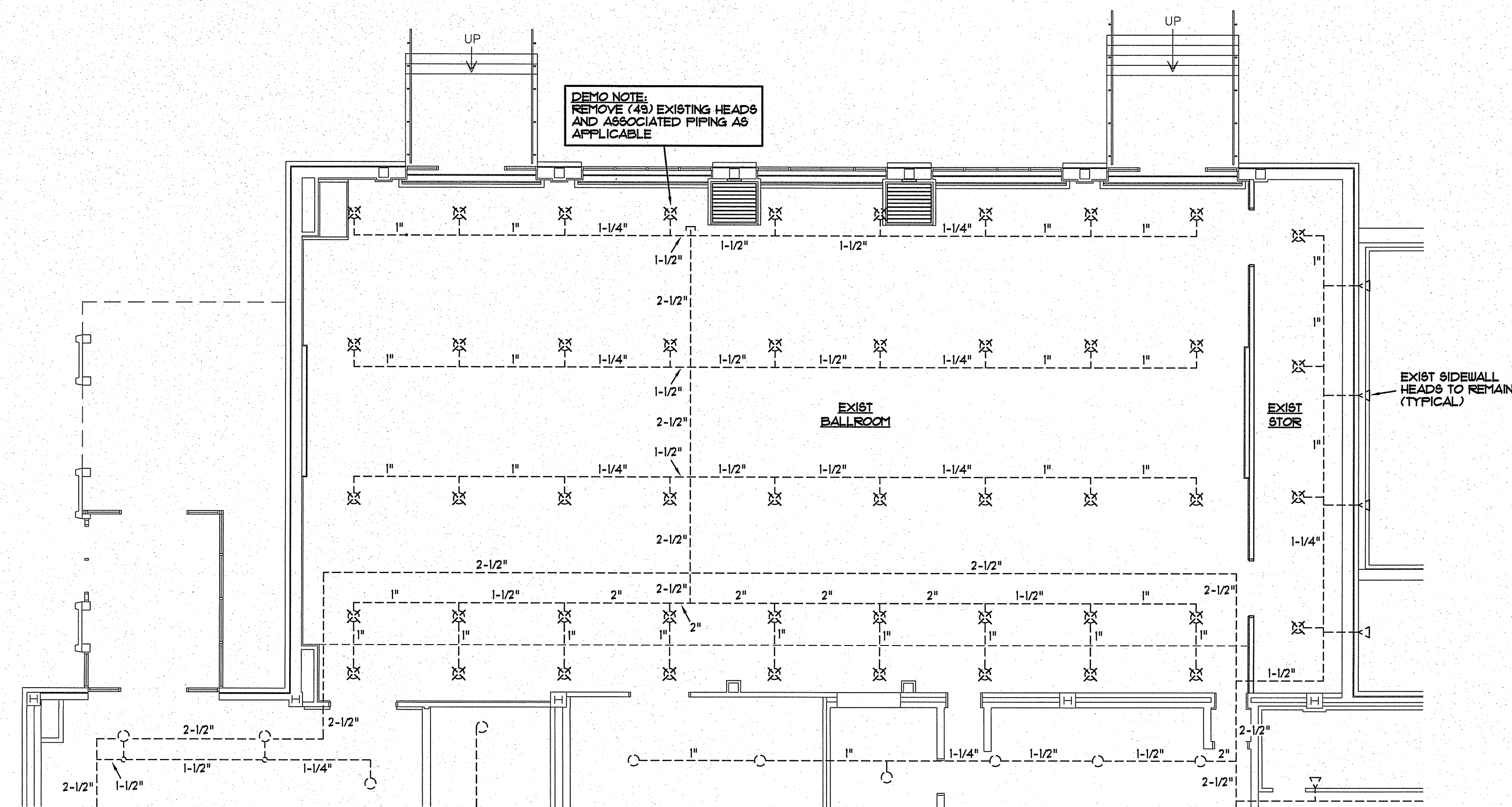
DATE:

SHEET TITLE:

FIRE PROTECTION
FLR PLANS, DTLS
AND SCHEDULES
AS NOTED

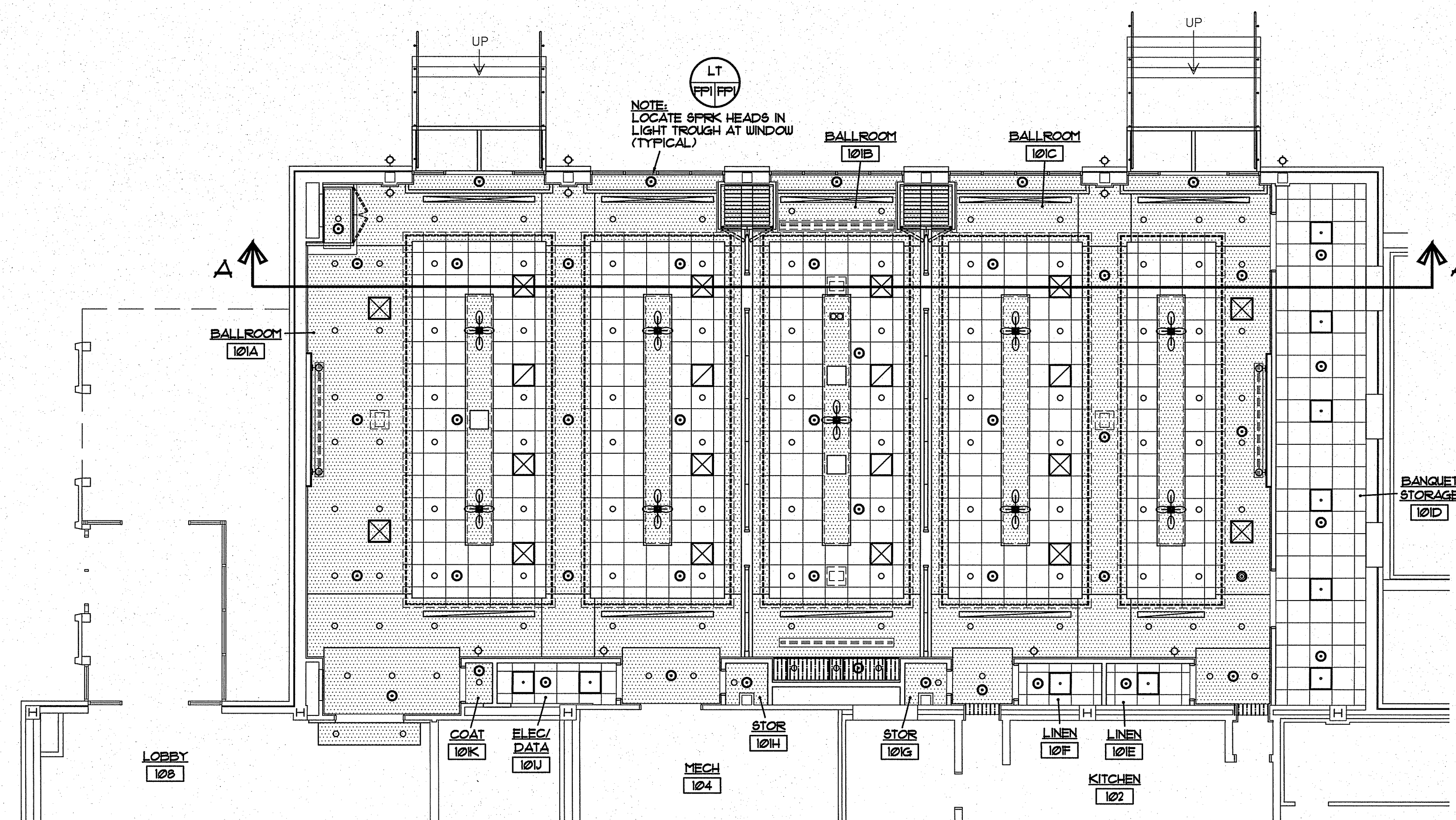
SHEET NO:

FP1



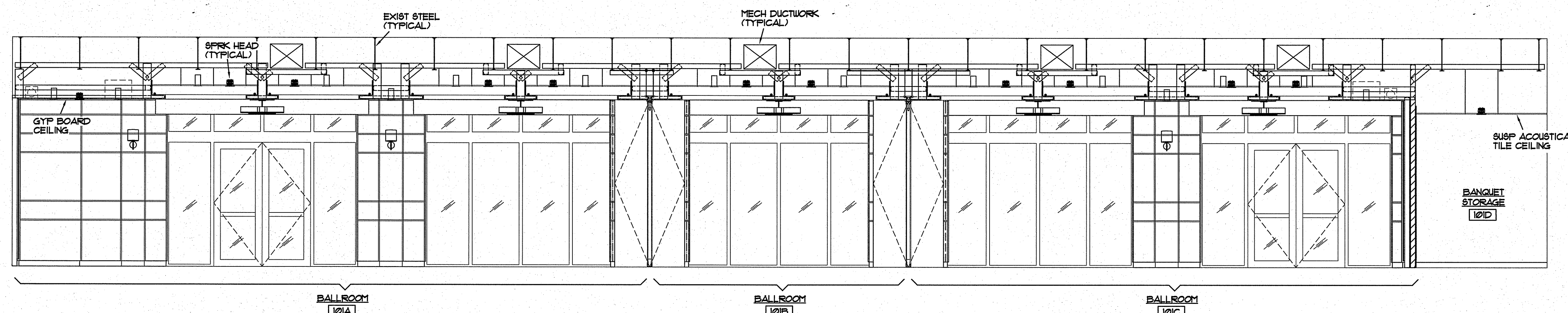
EXIST SPRINKLER PIPING PLAN

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



FIRST FLOOR HEAD LOCATIONS

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



BUILDING SECTION A-A

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



LIGHT TROUGH
SCALE: 1/4" = 1'-0"

SPRINKLER HEAD NOTES

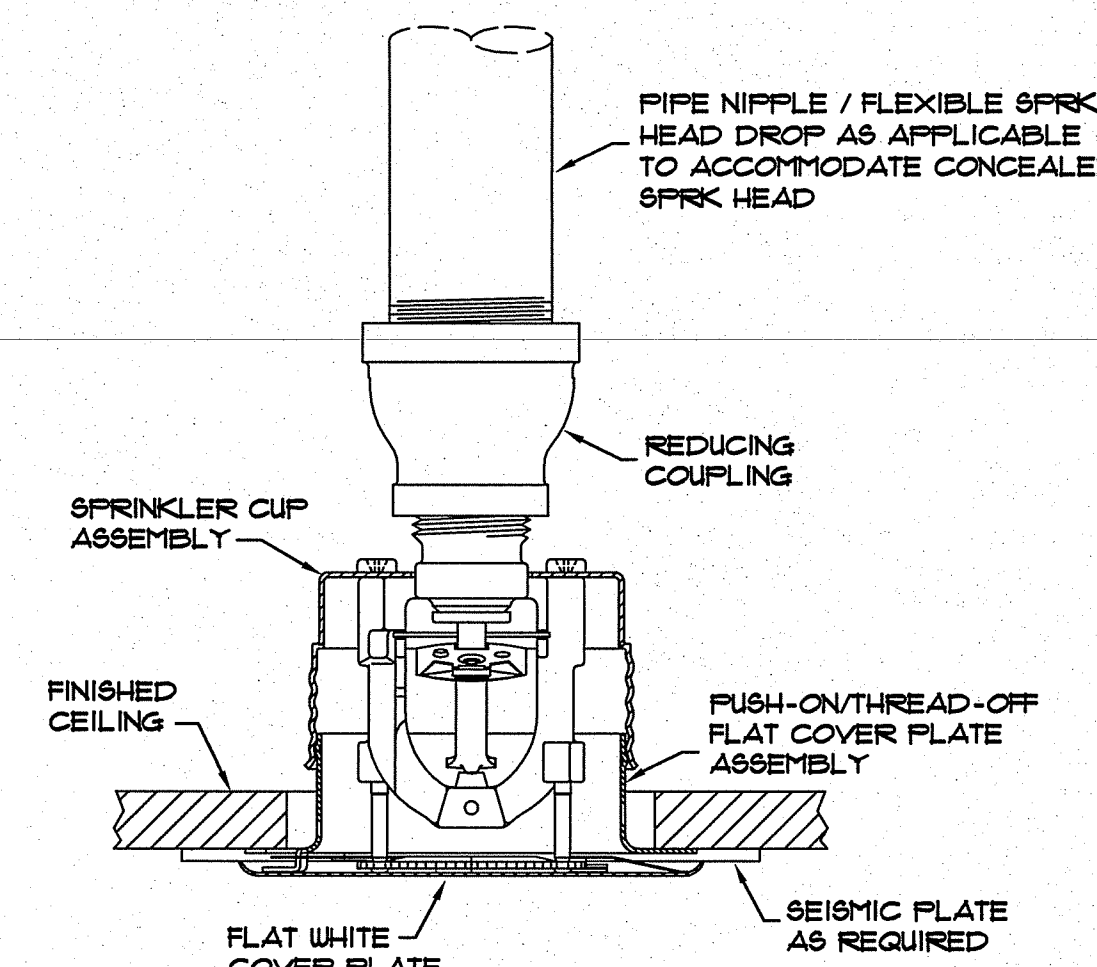
- REFER TO ARCHITECTURAL DRAWINGS FOR REFLECTED CEILING PLANS.
- REWORK EXIST SPRINKLER PIPING AS REQUIRED FOR THE DEMOLITION AND REPLACEMENT OF SUSPENDED CEILINGS AND MODIFICATIONS FOR REVISED SPRK HEAD LOCATIONS.
- MODIFY EXIST PIPING TO ACCOMMODATE SPRINKLER HEAD LOCATIONS INCLUDING FINAL CEILING HEIGHTS AS APPLICABLE.
- SPRINKLER HEADS SHALL BE FLUSH MOUNTED. PROVIDE FULLY RECESSED CONCEALED HEADS IN ALL FINISHED CEILINGS. COVER PLATES SHALL BE FURNISHED WITH WHITE FINISH.
- LOCATE SPRINKLER HEADS IN CENTER OF CEILING TILES. COORDINATE ALL HEADS AND PIPING WITH LIGHTING, MECHANICAL DIFFUSER LOC'S AND MECHANICAL DUCTWORK. COORDINATE ALL DUCTWORK LOC'S WITH MECHANICAL CONTRACTOR PRIOR TO START OF INSTALLATION TO PREVENT CONFLICTS. NO CHANGE ORDERS WILL BE ACCEPTED FOR RELOCATION OF PIPING AND SPRK HEADS DUE TO LACK OF COORDINATION. FIELD FABRICATION OF PIPING WILL BE REQUIRED FOR THIS PROJECT.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH NFPA-13 2010.
- CONTRACTOR SHALL PROVIDE ALL RENOVATIONS IN ACCORDANCE WITH NFPA-25 2010 AND STATE FIRE MARSHAL AS APPLICABLE.
- PROVIDE DEMOLITION AND REPLACEMENT OF ALL EXIST SPRK HEADS IN AREAS OF WORK.
- SPRINKLER PIPING SHALL BE UL/FM APPROVED METALLIC PIPING AND SHALL MEET THE REQUIREMENTS OF NFPA FOR IDENTIFICATION.

SPRINKLER HEAD KEY

SYMBOL	DESCRIPTION
○	FULLY CONCEALED PENDENT HEAD (APPROX LOC'T)
○	EXIST SPRK HEAD TO REMAIN
×	EXIST SPRK HEAD TO BE REMOVED

EXIST SPRINKLER SYSTEM

- LOCATIONS OF SPRINKLER HEADS, PIPING AND PIPE SIZES ARE BASED ON DRAWINGS FURNISHED BY CRAWFORD SPRINKLER CO. DATED 11/10/01.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID FOR THIS PROJECT.



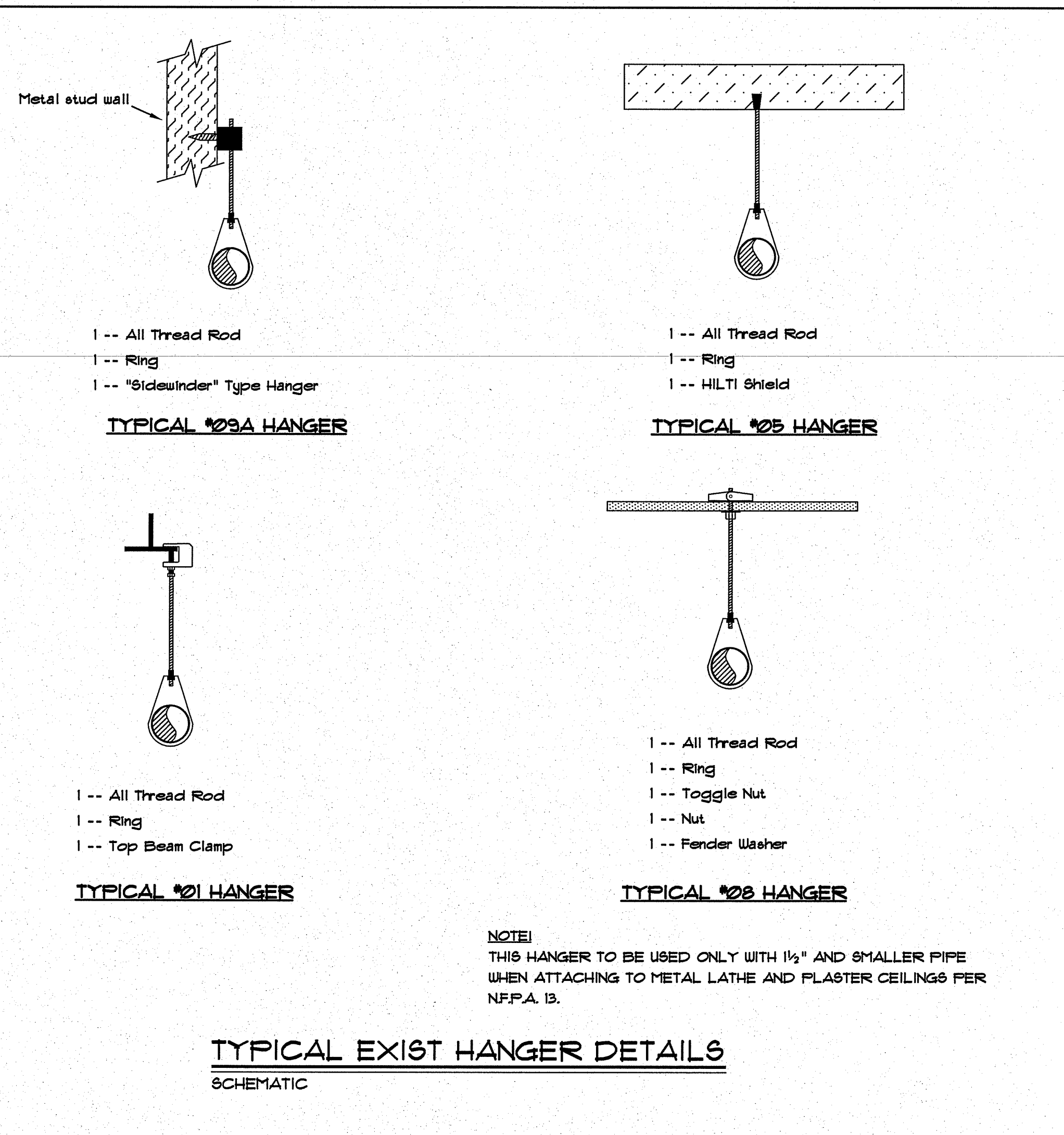
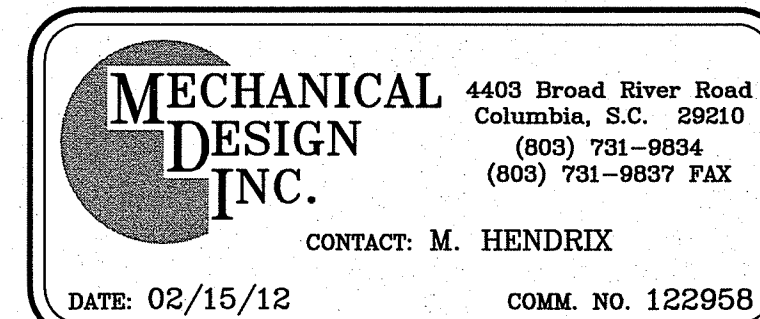
CONCEALED SPRK HEAD DETAIL
SCHEMATIC

BARWELL ST

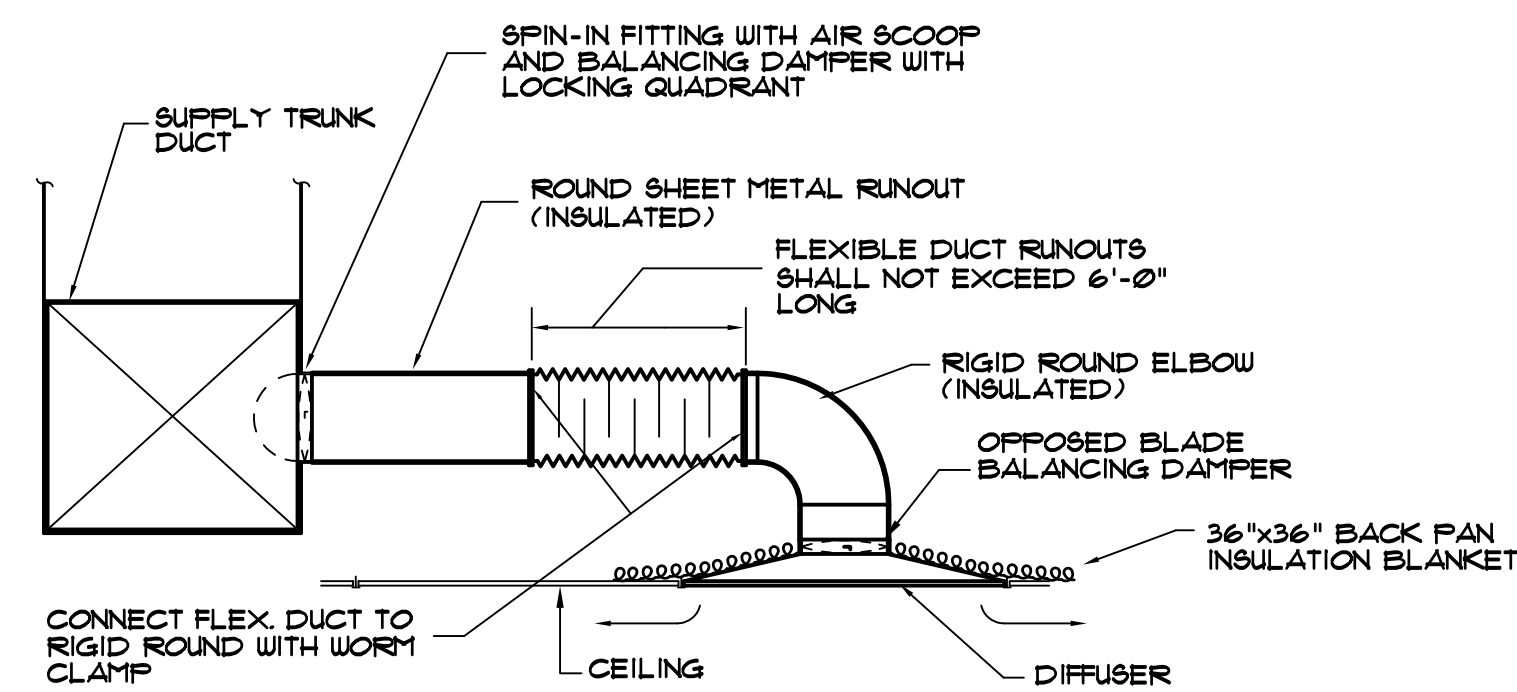
GIBBS CT

KEY PLAN
NO SCALE

SPECIAL NOTE:
CONTRACTOR IS REQ'D TO VISIT PROJECT SITE PRIOR TO SUBMITTING BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXIST CONDITIONS RELATING TO THIS PROJECT. SUBMISSION OF A BID WILL BE CONSIDERED AS EVIDENCE THAT THE CONTRACTOR HAS VISITED THE SITE OF WORK.



TYPICAL EXIST HANGER DETAILS
SCHEMATIC



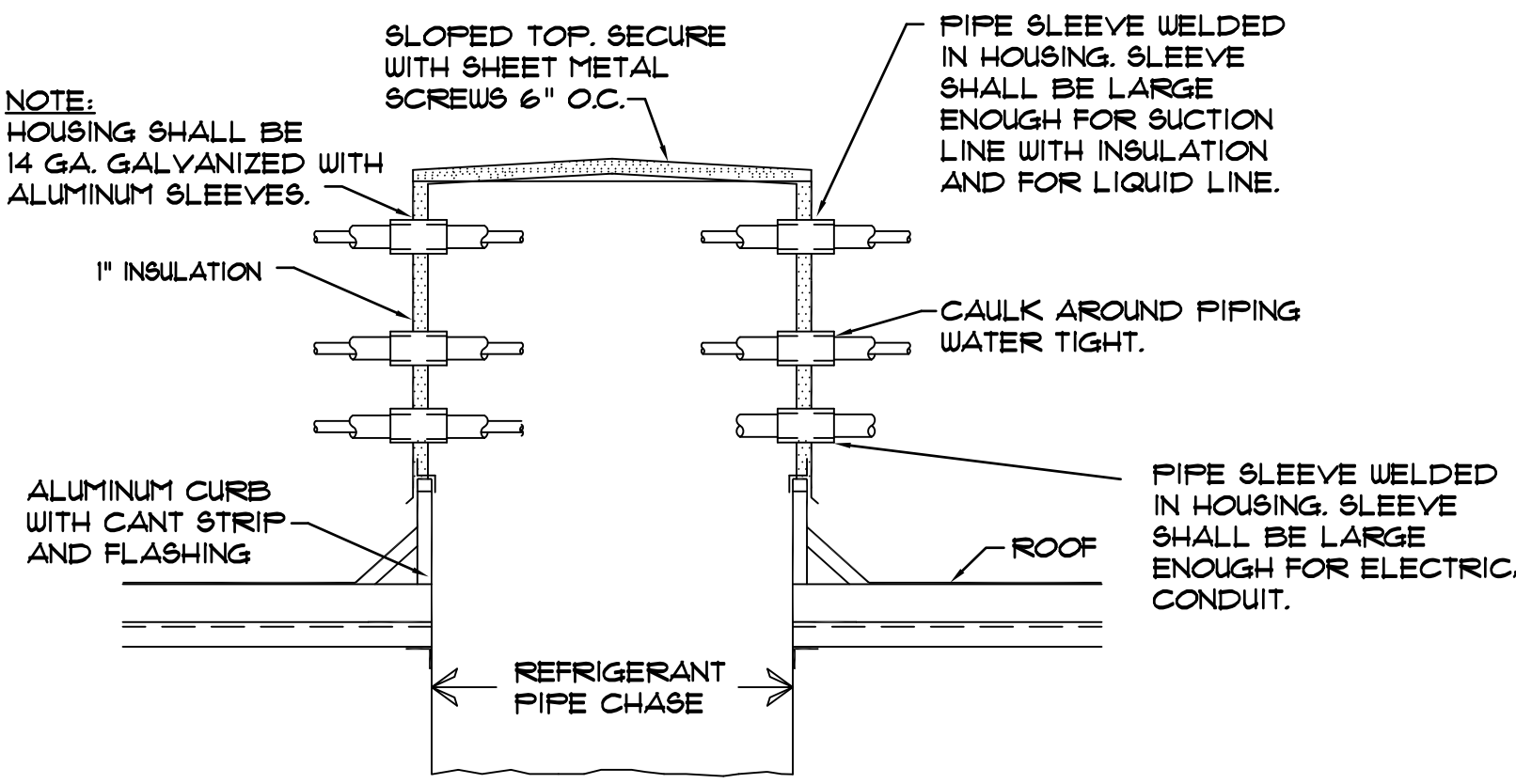
CEILING DIFFUSER INSTALLATION
NOT TO SCALE

- DEMOLITION NOTES**
- D1 REMOVE DUCTWORK SHOWN AS HATCHED COMPLETE, INCLUDING ASSOCIATED HANGERS AND SUPPORTS.
 - D2 REMOVE GRILLE/DIFFUSER SHOWN AS HATCHED COMPLETE, INCLUDING ASSOCIATED HANGERS AND SUPPORTS.
 - D3 REMOVE WALL MOUNTED RETURN AIR GRILLE COMPLETE. COORDINATE WITH GENERAL CONTRACTOR TO PATCH WALL. CAP RETURN AIR DUCT CONNECTING TO UNDERFLOOR RETURN AIR TRUNK WITH GALVA-SHEET METAL CAP.
 - D4 RELOCATE TEMPERATURE SENSOR, RELATIVE HUMIDITY SENSOR, AND CARBON DIOXIDE SENSOR TO LOCATIONS SHOWN ON RENOVATION PLAN. ALL AUTOMATIC TEMPERATURE CONTROLS WORK SHALL BE DONE BY JOHNSON CONTROLS, INC. IN COLUMBIA, S.C.

GRILLE AND DIFFUSER SCHEDULE					
MARK	SERVICE	NECK SIZE	MAX CFM	RUNOUT SIZE	REMARKS
③	SUPPLY	10" DIA.	300	10" DIA.	W/ BUTTERFLY DAMPER
④	SUPPLY	12" DIA.	600	12" DIA.	W/ BUTTERFLY DAMPER
②②	RETURN	22"x22"	1500	22"x16"	
GRILLE/DIFFUSER		CEILING TYPE	MANUF.	MODEL	MATERIAL
SQUARE SUPPLY		LAY-IN	PRICE #	ASPD-3	ALUMINUM
SQUARE SUPPLY		GYP. BD.	PRICE #	ASPD-1	ALUMINUM
SQUARE RETURN		LAY-IN	PRICE #	80 TB 1/2"x1/2"x1"	ALUMINUM
SQUARE RETURN		GYP. BD.	PRICE #	80 F 1/2"x1/2"x1"	ALUMINUM
RETURN AIR BAR GRILLE (REG.)		GYP. BD.	PRICE #	LBP CORE 15B	ALUMINUM
SUPPLY AIR BAR GRILLE (SBG.)		GYP. BD.	PRICE #	LBP CORE 16B	ALUMINUM
* OR EQUAL BY CARNES, METALAIR, NAILOR, KREUSER OR APPROVED EQUAL					
NOTES: 1. GRILLE AND DIFFUSER LOCATIONS SHOWN ON FLOOR PLANS ARE APPROXIMATE, SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION.					
2. GRILLES AND DIFFUSERS SHALL MATCH CEILING TYPE, SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPE.					
3. GRILLE AND DIFFUSER COLORS SHALL BE SELECTED BY ARCHITECT, SUBMIT COLOR SAMPLES TO ARCHITECT.					

SYMBOLS	
	FLEXIBLE DUCT (6 FT. MAX. LENGTH)
	RIGID ROUND RUNOUT DUCT
	NEW MATERIAL
	MATERIAL TO BE REMOVED
	AIR FLOWRATE, CUBIC FEET PER MINUTE
	GRILLE OR DIFFUSER MARK, BALANCING CFM
	TURNING VANE
	SPIN-IN TAKEOFF WITH SCOOP AND DAMPER
	MANUAL DAMPER WITH LOCKING QUADRANT
	RELOCATED TEMPERATURE SENSOR
	RELOCATED RELATIVE HUMIDITY SENSOR
	RELOCATED CARBON DIOXIDE SENSOR
	CONNECT NEW TO EXISTING

- NOTES**
- DO NOT SCALE DRAWINGS, ROUGH FROM ARCHITECTURAL, EXISTING CONDITIONS, AND EQUIPMENT MANUFACTURER'S DRAWINGS.
 - DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED. DUCT SIZES SHOWN ON DRAWINGS ARE INTERIOR DIMENSIONS.
 - WHENEVER THE WORD "PROVIDE" IS USED IT SHALL MEAN FURNISH AND INSTALL, COMPLETE AND READY FOR USE.
 - PROVIDE GLASSFAB AND MASTIC ON ALL DUCT INSULATION ON SHEET METAL FLENUMS AT BAR GRILLES. DUCT TAPE WILL NOT BE ACCEPTED.
 - CONSTRUCT DUCTWORK AS JOB PROGRESSES AND AFTER COORDINATING WITH ALL CONCERNED TRADES AND EXISTING CONDITIONS.
 - SEE SPECIFICATIONS FOR FLEXIBLE DUCT REQUIREMENTS.
 - WHERE DUCTS PASS OVER RECESSED LIGHTING FIXTURES, MAINTAIN 1" CLEARANCE FROM TOP OF FIXTURE TO BOTTOM OF DUCT.
 - INSTALLATION OF EQUIPMENT, DUCTWORK, AND PIPING, INCLUDING VIBRATION ISOLATION SHALL COMPLY WITH 2009 INTERNATIONAL BUILDING CODE FOR SEISMIC PROTECTION. SEE SPECIFICATIONS.
 - WHERE SPIN-IN TAKEOFFS ARE LOCATED ABOVE INACCESSIBLE CEILING, OMIT DAMPER.
 - THE MINIMUM DISTANCE BETWEEN TAKEOFFS ON THE SAME SIDE OF THE DUCTS SHALL BE FOUR (4) TIMES THE DIAMETER OF THE FIRST TAKEOFF.
 - EXISTING 60" x 18" RETURN OPENING BETWEEN CAMPUS ROOM SOFFIT AND MECHANICAL ROOM. COORDINATE WITH GENERAL CONTRACTOR TO AVOID BLOCKING THE PATH OF RETURN AIR FROM ABOVE NEW CAMPUS ROOM CEILING.
 - PIPE CONDENSATE PUMP DISCHARGE TO FLOOR DRAIN IN MECHANICAL ROOM.

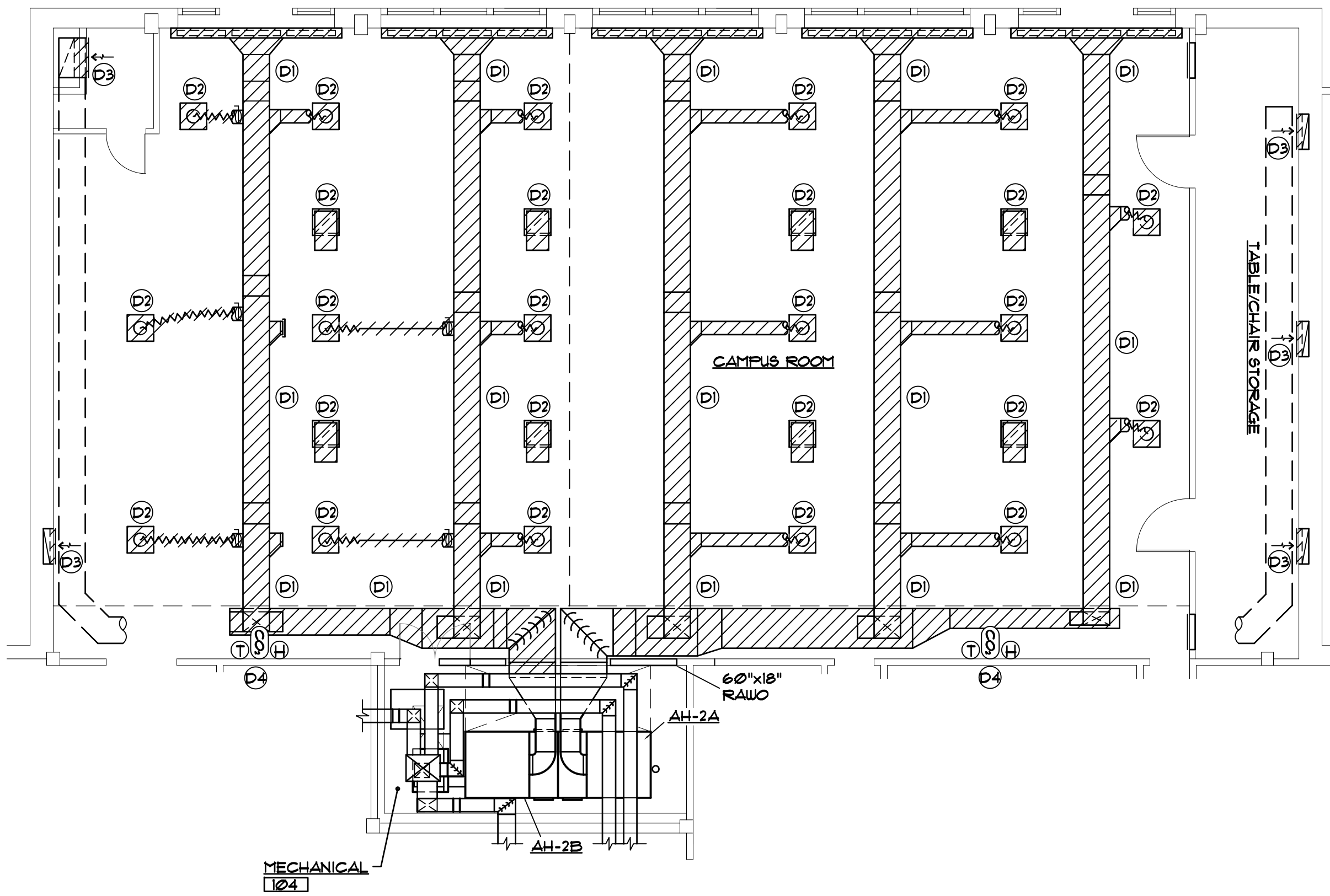


PIPE CHASE PENTHOUSE DETAIL
NOT TO SCALE

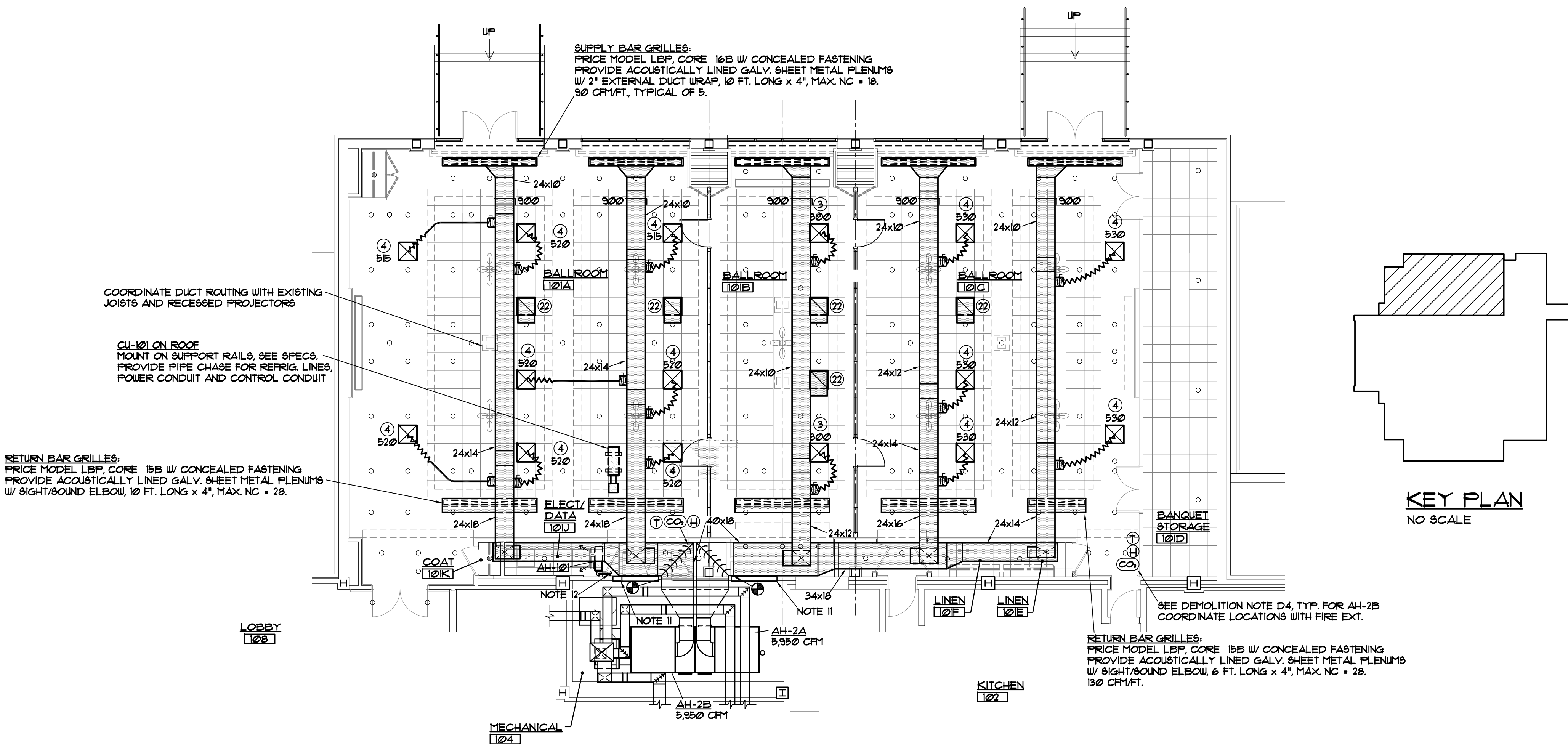
NOTE: SINGLE SLEEVE FOR MULTIPLE ENTRY WILL NOT BE ACCEPTED. PROVIDE MULTIPLE SLEEVES.

DUCTLESS SPLIT SYSTEM HEAT PUMP SCHEDULE ①										
AIR HANDLING UNIT				HEAT PUMP						
MARK	DAIKIN MODEL ②	CFM	H.P.	MARK	DAIKIN MODEL ②	TOTAL	COOLING ③	HEATING # 43°F ④		
AH-101	FTX912HVJ	286	1/6	HP-101	RX12FAV	12.0	SEN. 8.0 ENT. AIR 8.0/6.1 SEER	13.0	13.0	1.1

- AIR HANDLING UNIT AND HEAT PUMP TO MATCH AVAILABLE ELECTRICAL SERVICE, SEE ELECTRICAL. AIR HANDLING UNIT SHALL HAVE ONE POINT OF POWER CONNECTION.
- OR EQUAL BY MITSUBISHI, SANYO OR APPROVED EQUAL.
- BASED ON 95°F CONDENSER AIR TEMPERATURE.
- BASED ON 10°F ENTERING AIR TEMPERATURE.
- PROVIDE WITH WIRED WALL THERMOSTAT, LOW AMBIENT CONTROL, HARD START KIT, ANTI-SHORT CYCLING PROTECTION, AND CONDENSATE PUMP WITH 1/8" LIFT.



FIRST FLOOR PARTIAL HVAC PLAN - DEMOLITION
SCALE: 1/8" = 1'-0"



FIRST FLOOR PARTIAL HVAC PLAN - RENOVATION
SCALE: 1/8" = 1'-0"

MECHANICAL DESIGN INC.
4403 Broad River Road
Columbia, S.C. 29210
(803) 731-9834
(803) 731-9837 FAX
CONTACT: Danny Wilds
DATE: 02/03/12 COMM. NO. 122958

Jumper Carter Sease
Architects PA
412 Meeting Street
West Columbia
South Carolina

MECHANICAL DESIGN, INC.
COLUMBIA, SC
No. 000096
LICENSED PROFESSIONAL MECHANICAL ENGINEER
STATE OF SOUTH CAROLINA

MECHANICAL DESIGN, INC.
COLUMBIA, SC
No. 11155
LICENSED PROFESSIONAL MECHANICAL ENGINEER
STATE OF SOUTH CAROLINA

CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY: CDW
CHECKED BY: CDW
COMM NO: 11103
DATE: 2/3/2012
SHEET TITLE: FIRST FLOOR HVAC PLAN
1/8" = 1'-0"
SHEET NO: M1

	<p>WALL OR CEILING MOUNTED FLOURESCENT FIXTURE.</p>
	<p>RECESSED LED TROFFER, WIRE THRU GREENFIELD FROM OUTLET BOX ABOVE CEILING. HALF-SHADED FIXTURE DENOTES FIXTURE WIRED TO EMERGENCY GENERATOR PANEL. SEE FIXTURE SCHEDULE AND DRAWINGS TO DETERMINE WHICH FIXTURES REQUIRE A BODINE GTO.</p>
	<p>RECESSED LED DOWNLIGHT WITH 1% OR 10% DIMMABLE DRIVER AS NOTED ON DRAWINGS.</p>
	<p>WALL OR CEILING MOUNTED EDGE-LIT LED EXIT LIGHT, SHADED AREA DENOTES FACE. COORDINATE FINAL LOCATION IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN OF BOX.</p>
	<p>WALL MOUNTED LED FIXTURE.</p>
	<p>S SINGLE POLE SWITCH, 20A, 120/277V, 48" AFF. SUBSCRIPT DENOTES OUTLETS CONTROLLED.</p>
	<p>S₃ SAME, EXCEPT THREE WAY.</p>
	<p>\$ DIMMING SYSTEM CONTROL, 48" AFF.</p>
	<p>\$ DIMMING SYSTEM PRESET SWITCH, 48" AFF.</p>
	<p>WALL MOUNTED IR SENSOR WITH BUILT-IN SWITCH, 48" AFF. SEE OCCUPANCY SENSOR DETAILS.</p>
	<p>CEILING MOUNTED 360° DUAL TECHNOLOGY SENSOR, SEE OCCUPANCY SENSOR DETAILS. PROVIDE ALL POWER SUPPLIES NECESSARY FOR OPERATION OF SENSOR(S).</p>
	<p>PUSHBUTTON STATION FOR MOTORIZED SCREEN, FURNISHED WITH SCREEN, INSTALLED AND POWER WIRED BY ELECTRICAL CONTRACTOR. WIRING WIRING REQUIREMENTS WITH SCREEN MFR AND INSTALL ACCORDINGLY. FIELD VERIFY LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.</p>
	<p>DUPLEX RECEPTACLE, 20A, 120V, NEMA 5/20R, 16" AFF.</p>
	<p>SAME, EXCEPT MOUNTED HORIZONTAL, 4" ABOVE CONTROL BACKSLASH.</p>
	<p>DEDICATED ISOLATED GROUND DUPLEX RECEPTACLE, 20A, 120V, NEMA 5-20R, 16" AFF. PULL SEPARATE ISOLATED GROUND AS NOTED ON THE DRAWINGS.</p>
	<p>DEDICATED ISOLATED GROUND QUADRAPLEX RECEPTACLE, (2) 20A, 120V, NEMA 5-20R, 16" AFF. PULL SEPARATE ISOLATED GROUND AS NOTED ON THE DRAWINGS.</p>
	<p>WALL OR CEILING MOUNTED JUNCTION BOX.</p>
	<p>PANLEBOARD.</p>
	<p>BRANCH CIRCUIT WIRING RUN CONCEALED IN WALLS OR CEILING, 2#12, 1#12G UNLESS NOTED OTHERWISE. WHERE MORE THAN TWO CONDUCTORS ARE REQUIRED, SLASH MARKS INDICATE NUMBER OF #12 CONDUCTORS. SHORT SLASH DENOTES HOT OR SWITCH LEG, LONG SLASH DENOTES NEUTRAL, "L" DENOTES GREEN GROUNDING WIRE. ARROW DENOTES HOME RUN, NUMERAL DENOTES CIRCUIT NUMBER.</p>
	<p>SAME, EXCEPT RUN UNDERGROUND OR UNDERFLOOR. CUT AND PATCH EXISTING SLASH AS REQUIRED TO INSTALL NEW CONDUIT.</p>
	<p>FLOOR BOX "A", FSR FL-500P-4-B BACKBOX (101X124) WITH FL-500P-SLP-C ALUMINUM CARPET FLANGE COVER (UL SCRUB WATER RATED). INCLUDE POUR PAN ACCESSORY WITH EACH BOX. FLOOR BOX TO INCLUDE BRACKETS AND DIVIDERS FOR MOUNTING HUBBELL PREMISE DEVICES AND ONE ISOLATED GROUND DUPLEX RECEPTACLE. CONTRACTOR TO FURNISH & INSTALL THE ISOLATED GROUND DUPLEX RECEPTACLE. HOMERUN (2) 1" EMPTY CONDUITS FROM EACH FLOOR BOX TO ELECT/DATA 101J. CUT & PATCH EXISTING SLASH AS REQUIRED TO INSTALL FLOOR BOX AND CONDUIT.</p>
	<p>FLOOR BOX "B", FSR FL-600P-4-B BACKBOX (13.5X12X12) WITH FL-600P-SLP-C ALUMINUM CARPET FLANGE COVER (UL SCRUB WATER RATED). INCLUDE POUR PAN ACCESSORY WITH EACH BOX. FLOOR BOX TO INCLUDE BRACKETS AND DIVIDERS FOR MOUNTING HUBBELL PREMISE DEVICES AND ONE ISOLATED GROUND DUPLEX RECEPTACLE. CONTRACTOR TO FURNISH & INSTALL THE ISOLATED GROUND DUPLEX RECEPTACLE. HOMERUN (2) 1" EMPTY CONDUITS FROM EACH FLOOR BOX TO ELECT/DATA 101J. CUT & PATCH EXISTING SLASH AS REQUIRED TO INSTALL FLOOR BOX AND CONDUIT.</p>
	<p>COMMUNICATIONS OUTLET, 2 GANG BOX, 4 1/16" SQUARE, 2 1/8" DEEP, WITH 1 GANG PLASTER RING, 16" AFF UNLESS NOTED. HOMERUN 1" EMPTY CONDUIT WITH PULL WIRE TO ELECT/DATA 101J. CONDUIT TO BE EMT RUN OVERHEAD CONCEALED IN WALLS OR CEILING.</p>

SEE SHEET E-501 FOR FIRE ALARM SYMBOLS.

TYPE	VOLTAGE	DESCRIPTION	MANUFACTURERS	LAMP	WATTS (120/277)
A	120	6" SPEC GRADE LED DOWNLIGHT WITH HIGH BRIGHTNESS LEDS, REMOTE PHOSPHOR TECHNOLOGY, INTEGRAL HEAT SINK, 65 LPW FIXTURE EFFICACY (1,731 LUMENS), WIDE DISTRIBUTION, LUTRON H-HOME A-SERIES LED DRIVER CAPABLE OF CONTINUOUS FLICKER-FREE DIMMING FROM 100% TO 1%, 5-YEAR WARRANTY.	OMEGA OM6LED-27-120-6LED-30K-WD-CS-LUTRON, OR EQUIVALENT OF GOTHAM, OR PRESCOLITE.	INCLUDED	27
B	120	SAME AS TYPE A, EXCEPT HIGHER WATT FIXTURE, 60 LPW FIXTURE EFFICACY (2,400 LUMENS).	OMEGA OM6LED-39-120-6LED-30K-WD-CS-LUTRON, OR EQUIVALENT OF GOTHAM, OR PRESCOLITE.	INCLUDED	39
CA	120	LED WALL SCONCE TO BE SELECTED BY ARCHITECT/OWNER. ALLOW \$800.00 EACH FOR FIXTURE, LAMPS, AND SALES TAX ONLY. INCLUDE LABOR, OVERHEAD, AND PROFIT ELSEWHERE IN BID. CREDIT OWNER WITH ANY AMOUNT NOT SPENT.		INCLUDED	40
CB	120	LED PENDANT FIXTURE TO BE SELECTED BY ARCHITECT/OWNER. ALLOW \$2,000.00 EACH FOR FIXTURE, LAMPS, AND SALES TAX ONLY. INCLUDE LABOR, OVERHEAD, AND PROFIT ELSEWHERE IN BID. CREDIT OWNER WITH ANY AMOUNT NOT SPENT.		INCLUDED	320
CC	120	LED EXTERIOR WALL SCONCE TO BE SELECTED BY ARCHITECT/OWNER. ALLOW \$1,175.00 EACH FOR FIXTURE, LAMPS, AND SALES TAX ONLY. INCLUDE LABOR, OVERHEAD, AND PROFIT ELSEWHERE IN BID. CREDIT OWNER WITH ANY AMOUNT NOT SPENT.		INCLUDED	23
D	120	2x2 ARCHITECTURAL LED TROFFER, 3200 LUMEN OUTPUT, 90 LPW, 5-YEAR WARRANTY.	CREE CR22-32L-35K OR EQUIVALENT OF LITHONIA.	INCLUDED	35
DE	120	SAME AS TYPE D, EXCEPT FIXTURE TO INCLUDE A GENERATOR TRANSFER DEVICE (GTD), SEE NOTE 7.	ADJUST CATALOG NUMBERS TO ADD BOBINE GTD OR EQUIVALENT OF IOTA OR CHLORIDE TO CATALOG NUMBERS.	INCLUDED	35
E	120	4" SPEC GRADE LED DOWNLIGHT WITH HIGH BRIGHTNESS LEDS, REMOTE PHOSPHOR TECHNOLOGY, INTEGRAL HEAT SINK, 50 LPW FIXTURE EFFICACY (1,000 LUMENS), SOLID STATE ELECTRONIC LED DRIVER, 5-YEAR WARRANTY.	OMEGA OM4LED-20-120-4LED-30K-CS, OR EQUIVALENT OF GOTHAM, PORTFOLIO, OR PRESCOLITE.	INCLUDED	20
F	120	DUAL RECESSED LED SPOTLIGHTS IN SINGLE HOUSING, DIMMABLE TO 10%, WITH HEX LOUVERS.	ARCHITECTURAL LIGHTING WORKS RCST-2-LED1525-0-10V-INT-S-HEX OR APPROVED EQUAL.		30 (2x15)
XCE	120/277	AC ONLY CEILING MOUNTED SURFACE STYLE EDGE LIT LED EXIT WITH EVEN ILLUMINATION RED ON CLEAR PANEL, WHITE HOUSING.	MCPHILBEN 44RLU-1-W-R, LITHONIA EDG-W-1-R OR EQUIVALENT OF PATHWAY LIT SERIES, DUALITE LES SERIES, OR SURELITE ES SERIES.	INCLUDED	--

1. FIXTURE BODIES MANUFACTURED FROM PRE-PAINTED STEEL SHALL BE PAINTED AFTER FABRICATION, UNLESS NOTED.
2. ALL LIGHT FIXTURES ON THIS PROJECT TO BE LED UNLESS SPECIFICALLY NOTED OTHERWISE. SEE FIXTURE SCHEDULE FOR LED DRIVER TYPES.
3. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING SCHEDULE AND/OR REFLECTED CEILING PLAN.
4. WIRE RECESSED FIXTURES THRU GREENFIELD FROM OUTLET BOX ABOVE ACCESSIBLE CEILINGS.
5. FOR FIXTURES AND/OR CIRCUITS PROVIDED WITH GENERATOR TRANSFER DEVICE (GTD), WIRE THRU GTD AS NOTED ON THE DRAWINGS AND PER THE MFR'S INSTRUCTIONS. PULL ALL WIRING REQUIRED FOR PROPER OPERATION. PULL UNSWITCHED HOT LEG TO ALL EXIT LIGHTS, EXTERIOR EMERGENCY EGRESS LIGHTS, AND GTD LIGHTS AS REQUIRED. GTDs TO BE BOONIE GTD OR GTD20A SERIES OR EQUIVALENT BY IOTA, DUALITE, OR CHLORIDE.
6. LOW VOLTAGE SWITCHING AND OCCUPANCY SENSORS - PROVIDE ALL POWER PACKS AND MOUNTING HARDWARE NECESSARY TO PROVIDE A COMPLETE AND OPERABLE SYSTEM. SEE SPECIFICATIONS, DETAILS, AND LOW VOLTAGE SWITCHING SCHEDULES.
7. SHOP DRAWING SUBMITTALS ARE REQUIRED FOR ALL ALLOWANCED LIGHT FIXTURES. ONCE CATALOG NUMBER AND PRICE ARE VERIFIED, SUBMIT MANUFACTURER'S CUT SHEETS IN ACCORDANCE WITH DIVISION 1 SUBMITTAL REQUIREMENTS.
8. FIXTURE MOUNTING HEIGHTS - REFER TO ARCHITECTURAL DRAWINGS & ELEVATIONS FOR MOUNTING HEIGHTS OF WALL MOUNTED LIGHT FIXTURES. FIELD VERIFY ALL MOUNTING HEIGHTS WITH ARCHITECT PRIOR TO ROUGH-IN.
9. ALL RECESSED LED DOWN LIGHTS MUST INCLUDE LUTRON ALED 1% DIMMABLE DRIVER COMPATIBLE WITH DIMMING SYSTEM PROVIDED. LED DOWNLIGHTS NOT CAPABLE OF 1% DIMMING ARE NOT ACCEPTABLE.

THE WORK OF THIS SECTION SHALL PROVIDE COMPLETE ELECTRICAL SYSTEMS WHICH SHALL INCLUDE THE PROVIDING OF ALL CONDUCTORS, RACEWAYS, FITTINGS, CIRCUIT PROTECTIVE DEVICES, LIGHT FIXTURES, BOXES, SUPPORTS, AND ALL ASSOCIATED APPURTENANCES AND MISCELLANEOUS EQUIPMENT NECESSARY, ALL OF WHICH SHALL BE COMPLETELY CONNECTED, TESTED, ADJUSTED AND LEFT IN PROPER OPERATING CONDITION. THE ELECTRICAL SYSTEM TO BE PROVIDED SHALL INCLUDE SERVICE AND DISTRIBUTION FACILITIES POWER FOR MOTOR OPERATED EQUIPMENT, LIGHTING SYSTEMS, AND ALL OUTLETS AS COVERED HEREINAFTER.

- ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE 2008 NATIONAL ELECTRICAL CODE (NEC), THE 2006 INTERNATIONAL BUILDING CODE (IBC), AND ANY LOCAL CODES, LAWS AND ORDINANCES WHICH MAY APPLY. WHERE DIFFERENCES EXIST BETWEEN THE CODES, THE STRICTER CODE SHALL APPLY.
- ALL CONDUITS SHALL CONTAIN A GROUNDING CONDUIT REGARDLESS OF USE.
- THE CONTRACTOR FOR THE WORK UNDER THIS SECTION SHALL PROCURE AND PAY FOR ALL PERMITS, FEES, AND LICENSES REQUIRED FOR THE EXECUTION OF THIS WORK. SATISFACTORY EVIDENCE OF COMPLIANCE WITH THE REQUIREMENT AND ALL CERTIFICATES OF INSPECTION SHALL BE DELIVERED TO THE OWNER PROMPTLY UPON REQUEST.
- TYPE MC CABLE MAY NOT BE USED ON THIS PROJECT, EXCEPT THAT METAL CLAD CABLE SHALL BE PERMITTED FOR LIGHT FIXTURE WHIPS PROVIDED THEY DO NOT EXCEED 6-FEET IN LENGTH AND ARE PROVIDED BY THE LIGHT FIXTURE MANUFACTURER.
- UNLESS OTHERWISE NOTED FOR 120-VOLT, 20-AMP CKTS:
#10 AWG SHALL BE USED FOR HOMERUNS LONGER THAN 75 FEET
#12 AWG SHALL BE USED FOR HOMERUNS 75 FEET OR SHORTER
- MULTIWIRE BRANCH CIRCUITS USING A SHARED OR COMMON NEUTRAL ARE NOT PERMITTED ON THIS PROJECT. THE CONTRACTOR SHALL PULL A SEPARATE NEUTRAL FOR ALL 120V AND 277V CIRCUITS.
- MOUNT RECEPTACLES 16" AFF UNLESS OTHERWISE NOTED.
- ALL LIGHT SWITCHES AND RECEPTACLES SHALL BE BY THE SAME MFR. COVERPLATES SHALL BE OVERSIZED SMOOTH THERMOPLASTIC AND SHALL MATCH THE COLOR OF THE DEVICE. DEVICE COLOR TO BE SELECTED BY THE ARCHITECT.
- ELECTRICAL METAL TUBING AND RIGID GALVANIZED STEEL CONDUIT SHALL BE THE ONLY TYPES OF CONDUIT INSTALLED WITHIN THE BUILDING. PVC IS PERMITTED UNDERGROUND.
- BRANCH CIRCUITS SHALL BE RUN CONCEALED WHERE PRACTICAL. BRANCH CIRCUITS RUN EXPOSED TO WEATHER ON EXTERIOR WALLS OR ON ROOFS SHALL BE RUN IN GRC OR IMC WITH SCREWED FITTINGS. BRANCH CIRCUITS RUN CONCEALED IN WALLS OR CEILINGS SHALL BE RUN IN EMT, GRC, OR IMC. BRANCH CIRCUITS RUN EXPOSED IN DRY, FINISHED SPACES SHALL BE RUN IN WIREMOULD SURFACE METAL RACEWAY. BRANCH CIRCUITS RUN EXPOSED IN DAMP LOCATIONS, UNFINISHED SPACES (ATTICS), AND UNOCCUPIED SPACES (STORAGE ROOM, EQUIPMENT ROOMS, JANITOR'S CLOSET, ETC.) MAY BE RUN IN EMT IN LIEU OF WIREMOULD.
- ALL WALL, FLOOR, WALLS, FLOORS, ETC WHICH HAVE A CONDUIT OR OTHER ELECTRICAL PENETRATION SHALL BE SEALED TO EQUAL THE RATING OF THE WALL, FLOOR, ETC, THAT IS PENETRATED. CONTRACTOR SHALL USE A U.L. RATED AND LISTED ASSEMBLY FOR THE SEALING MATERIAL AND METHOD. COORDINATE MANUFACTURER WITH THE GENERAL CONTRACTOR SO THAT ALL TRADES ON THE PROJECT USE THE SAME MANUFACTURER.
ALL OUTLET BOXES 4"x4" OR SMALLER LOCATED ON OPPOSITE SIDES OF A RATED WALL SHALL HAVE A MINIMUM OF 24" HORIZONTAL SPACING AND SHALL BE PROTECTED WITH LISTED PUTTY PADS. ALL OUTLET BOXES LARGER THAN 4"x4" (COMMUNICATIONS OUTLETS, ETC.) LOCATED IN RATED WALLS SHALL BE PROTECTED WITH LISTED PUTTY PADS.
- METALLIC WATER PIPING SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM (SEE NEC 250-104).
- REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, LOCATIONS, CABINETS, ETC.
- CONCEAL ALL CONDUIT AND FITTINGS EXCEPT WHERE THE ARCHITECT GRANTS SPECIFIC PERMISSION.
- ALL WORK AND MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE.
- PROVIDE ONE COMPLETE SET OF ELECTRICAL DRAWINGS MARKED UP FOR RECORD DRAWINGS. SHOW ALL LOCATIONS OF EQUIPMENT AND MATERIALS.
- INSTALL ALL MATERIALS PER MANUFACTURER'S INSTRUCTIONS.
- IDENTIFY MAJOR EQUIPMENT INSTALLED WITH LAMCOR LABELS.
- VISIT SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO SUBMITTING BID.
- ALL RACEWAYS, FIXTURES, WIRING, DEVICES, AND EQUIPMENT RENDERED USELESS BY THIS WORK SHALL BE REMOVED AND DELIVERED TO THE OWNER'S STORAGE FACILITY AS DIRECTED. ANY MATERIAL NOT WANTED BY THE OWNER SHALL BE DISPOSED OF BY THE CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL DO ALL CUTTING AND PATCHING AS REQUIRED TO INSTALL HIS WORK. FINISH PATCHING AND PAINTING WILL BE DONE BY THE GENERAL CONTRACTOR.
- PRIOR TO DIGGING ANY TRENCHES, NOTIFY ALL UTILITIES AND OBTAIN LOCATIONS OF UNDERGROUND UTILITIES. ANY DAMAGES DONE TO UNDERGROUND UTILITIES OR PIPING BY THIS CONTRACTOR WILL BE REPAIRED BY THE OWNER OF THE LINE IN A SATISFACTORY MANNER. THIS CONTRACTOR WILL BEAR ALL COSTS FOR REPAIRS.
- CONDUITS TO BE RUN UNDER WALKWAYS AND PAVINGS SHALL BE INSTALLED BY JACKING OR BORING, UNLESS NOTED. DO NOT CUT WALKWAYS OR PAVEMENTS, UNLESS ACCEPTABLE TO THE ENGINEER. ALLOWED CUTS IN PAVEMENT OR CONCRETE SHALL BE MADE USING A PAVEMENT SAW, AND SHALL BE PATCHED TO MATCH THE EXISTING SURFACE.
- WHERE DISAGREEMENTS EXIST ON THE DESIGN DOCUMENTS, THE ITEM OR ARRANGEMENTS OF BETTER QUALITY, GREATER QUANTITY, OR HIGHER COST SHALL BE INCLUDED IN THE BID. ANY DISCREPANCIES BETWEEN THE DRAWINGS, SPECIFICATIONS, AND FIELD CONDITIONS SHALL BE RESOLVED WITH THE ENGINEER PRIOR TO COMMENCING WORK. ALL AGREEMENTS SHALL BE VERIFIED IN WRITING.
- ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH OTHER TRADES TO INSURE PROPER LOCATION OF OUTLETS AND EQUIPMENT CONNECTIONS, AND TO MINIMIZE CONFLICTS WITH STRUCTURAL MEMBERS, DUCT WORK, PIPING, ETC. CONFLICTS BETWEEN EQUIPMENT AND/OR MATERIAL LOCATIONS SHALL BE CORRECTED AS DIRECTED BY THE ARCHITECT-ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

E001 - ELECTRICAL SYMBOLS, NOTES, & FIXTURE SCHEDULE
E002 - ELECTRICAL DEMOLITION PLAN
E101 - LIGHTING PLAN
E201 - POWER PLAN
E301 - NOT USED
E401 - COMMUNICATIONS PLAN
E501 - FIRE ALARM PLAN

A	AMPERES	LTG	LIGHTING
AFF	ABOVE FINISHED FLOOR	MLO	MAIN LUGS ONLY
AFG	ABOVE FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
AWG	AMERICAN WIRE GAUGE	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CKT	CIRCUIT	NIC	NOT IN CONTRACT
CU	COPPER	PH,Ø	PHASE
EC	EMPTY CONDUIT	RCPT	RECEPTACLE
EQPT	EQUIPMENT	RE:	REFER TO
EXST	EXISTING	TYPE	TYPICAL
FWE	FURNISHED WITH EQUIPMENT	UNO	UNLESS NOTED OTHERWISE
GFI	GROUND FAULT INTERRUPTER	V	VOLTS
IAW	IN ACCORDANCE WITH	W	WIRE OR WATTS
KVA	KILOVOLTAMPERES	WP	WEATHERPROOF
KW	KILOWATTS		

A. IT IS THE GENERAL INTENTION OF THESE DRAWINGS TO COVER ALL SITUATIONS WHERE AN ITEM IS TO BE REMOVED, WHETHER IT HAPPENS TO BE A LIGHT FIXTURE, DUPLEX RECEPTACLE, LIGHT SWITCH, FIRE ALARM DEVICE, OR OTHER ELECTRICAL EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL ASSIST THE MECHANICAL AND GENERAL CONTRACTORS IN REMOVAL OF EQUIPMENT WITH ELECTRICAL CONNECTIONS THAT ARE BEING REMOVED OR RELOCATED.

B. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL SURVEY THE EXISTING BUILDING AND MAKE NOTE OF ANY ADDITIONAL DEMOLITION AND/OR ANY ADDITIONAL REMOVAL AND RELOCATION WHICH MAY BE REQUIRED IN ORDER TO ACCOMPLISH RENOVATIONS INDICATED IN CONTRACT DOCUMENTS. NO CHARGE SHALL BE MADE FOR THIS SURVEY. ADDITIONAL WORK REQUIRED FOR DEMOLITION, REMOVAL, OR RELOCATION WORK NOT INDICATED ON THESE DRAWINGS BUT NECESSARY TO COMPLETE WORK.

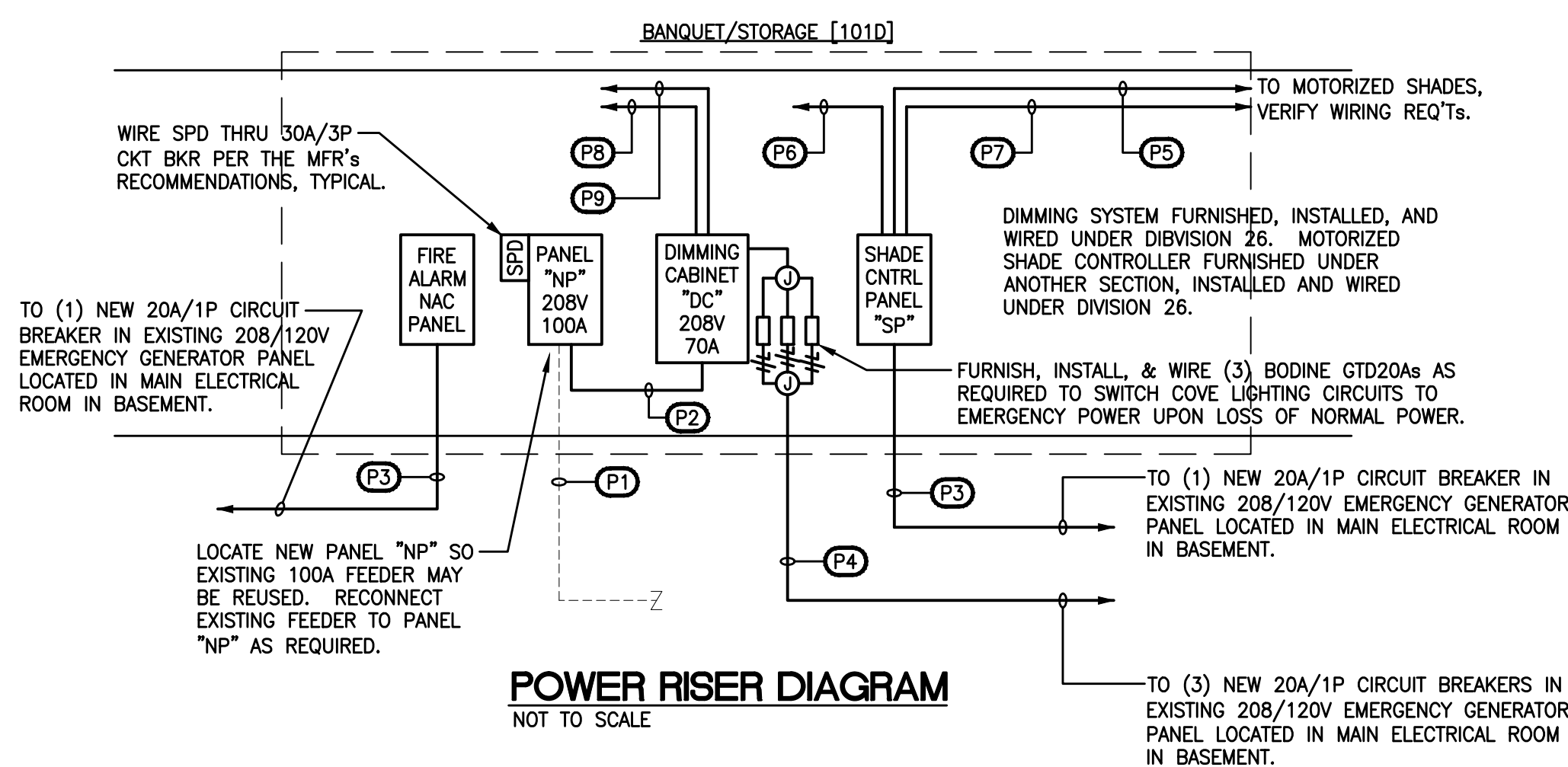
C. IN ALL AREAS WHERE EXISTING WALLS ARE BEING REMOVED, NEW WALLS ARE BEING ADDED, AND WHERE OTHER DEMOLITION WORK IS OCCURRING, REMOVE ALL EXISTING RECEPTACLES, LIGHTS, AND OTHER ELECTRICAL DEVICES, AND ALL WIRING AND CONDUIT NOT BEING REUSED. EXISTING GROUNDING SYSTEMS AND ELECTRICAL MATERIALS NOT BEING REMOVED AND/OR REPLACED MAY BE ABANDONED. ALL DEMOLITION MUST BE COORDINATED WITH THE ARCHITECT AND WITH ALL OTHER TRADES TO AVOID CONFLICTS. REFER TO THE ARCHITECTURAL DEMOLITION PLAN.

D. NO EXISTING ELECTRICAL MATERIALS, EQUIPMENT, WIRING, OR CONDUIT BEING REMOVED MAY BE REUSED ON THIS PROJECT UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE DRAWINGS. ALL EXISTING ELECTRICAL MATERIALS, EQUIPMENT, WIRING, OR CONDUIT BEING REUSED SHALL BE DISPOSED OF AS INDICATED IN GENERAL NOTES.



PANEL "NP"													1010	
SQUARE D TYPE THERM (L-N-L) 208 PHASE 3						AMPS: 100 L-N-L 120 WIRE 4		MAIN MAIN CKT BKR (BOTTOM) END: GROUND BUS AIC 10K			No. of Cnts 42 MOUNTING: SURFACE ENCLOSURE: NEMA 1			
OPTIONS: HINGED TRIM						SEP INSULATED GND BUS								
CKT NO	CKT BKR	BKR TYPE	LOAD DESCRIPTION		LOAD KVA	PH	LOAD BRK	LOAD DESCRIPTION		LOAD TYPE	BKR TYPE	CKT NO	CKT BKR	CKT TYPE
1	20/1	---	SPARE			A	0.60	IG RECEPT. - 101C		REC	---	20/1	---	---
3	---	MISC	PROJECT, SCREEN 101C		0.50	B	0.60	IG RECEPT. - 101B		REC	---	---	---	---
5	---	MISC	PROJECT, SCREEN 101B		1.00	C	0.60	IG RECEPT. - 101B		REC	---	---	---	---
7	---	MISC	PROJECT, SCREEN 101A		0.50	A	0.40	IG RECEPT. - 101B		REC	---	---	---	---
9	---	MISC	PROJECTOR 101C		1.00	B	0.60	IG RECEPT. - 101A		REC	---	---	---	---
11	---	MISC	PROJECTOR 101B		1.00	C	0.60	IG RECEPT. - 101A		REC	---	---	---	---
13	---	MISC	PROJECTOR 101A		1.00	A	0.80	IG RECEPT. - 101A		REC	---	---	---	---
15	---	MISC	PROJECTOR 101A		1.00	B	0.40	IG RECEPT. - 101J		REC	---	---	---	---
17	---	REC	RECEPT. - 101C,101D		1.20	C	0.40	IG RECEPT. - 101J		REC	---	---	---	---
19	---	REC	RECEPT. - 101B		0.40	A	0.40	IG RECEPT. - 101J		REC	---	---	---	---
21	---	REC	RECEPT. - 101A		0.80	B	---	SPARE		---	---	---	---	---
23	---	---	EXISTING LOADS *		0.40	C	---	---		---	---	---	---	---
25	---	---	---		0.40	A	---	---		---	---	---	---	---
27	---	---	---		0.40	B	---	---		---	---	---	---	---
29	---	---	---		0.40	C	---	---		---	---	---	---	---
31	SPC	---	SPACE			A	1.50	EXISTING AHU		AH	---	70/3	---	---
33	---	---	---			B	9.00	---		---	2nd HT	---	---	---
35	---	---	---			C	---	---		---	---	---	---	---
37	30/3	---	SPD			A	10.00	DIMMING CABINET "DC"		LTG	---	70/3	---	---
39	---	---	---			B	---	---		---	---	---	---	---
41	---	---	---			C	---	---		---	---	---	---	---
TOTAL KVA: 35.90					LTG 10.00	AH 1.50	KIT 0.00	COOLING DEMAND (KVA): 23.65						
TOTAL AMPS: 99.65					REC 7.80	PR HT 0.00	WH 0.00	HEATING DEMAND (KVA): 29.50						
					AC 0.00	2nd HT 6.00	CH 6.00	225W DEMAND AMPS: 39.35						
* REMOVED 20A/100 AMP BREAKING CAPABILITY FROM LOADS TO CH MAN LARF. MAX INVERTER LOAD/CKT-A5: 70/250														

* DENOTES 20A/1P BREAKERS FOR EXISTING PANEL "H" LOADS TO REMAIN. LABEL ANY UNUSED BREAKER AS "SPARE"



(21) EXISTING 100A PANEL FEEDER: RECONNECT TO NEW PANEL "NP"

(22) 70A PANEL FEEDER: 1#8 G, 4#4 1 1/4" C

(23) 20A BRANCH CIRCUIT: 1#10 G, 2#10, 3/4" C

(24) (3) 20A GT20A BRANCH CIRCUITS: 1#10 G, 3#10 N, 3#10, 1" C

(25) SHADE CONTROL CIRCUITS: 5-SETS OF 4-CONDUCTOR TWISTED/SHIELDED #18, 1/2" C

(26) SHADE CONTROL INTERFACE: 3/4" EMPTY CONDUIT WITH PULL WIRE TO ELECT./DATA 101

(27) SHADE CONTROLLER: 3/4" CONDUIT WITH CONTROL WIRE PER MFR'S INSTRUCTIONS

(28) DIMMING CONTROLLER: 3/4" CONDUIT WITH CONTROL WIRE PER MFR'S INSTRUCTIONS

(29) DIMMING CONTROL INTERFACE: 1" EMPTY CONDUIT WITH PULL WIRE TO ELECT./DATA 101

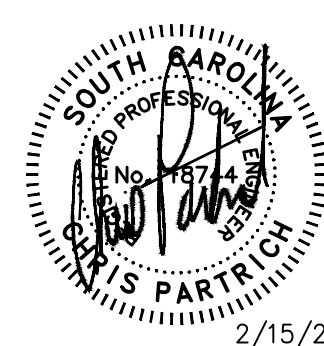
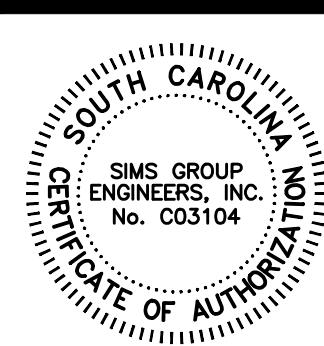
Jumper

Carter

Sease

Architects

PA
412 Meeting Street
West Columbia
South Carolina



These drawings are the property of Jumper Carter Sease Architects, PA and may not be reproduced, copied or used in whole or in part without written consent of the architect and any infringement will be subject to legal action.

CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY: JB

CHECKED BY: CLP

COMM NO: 11103

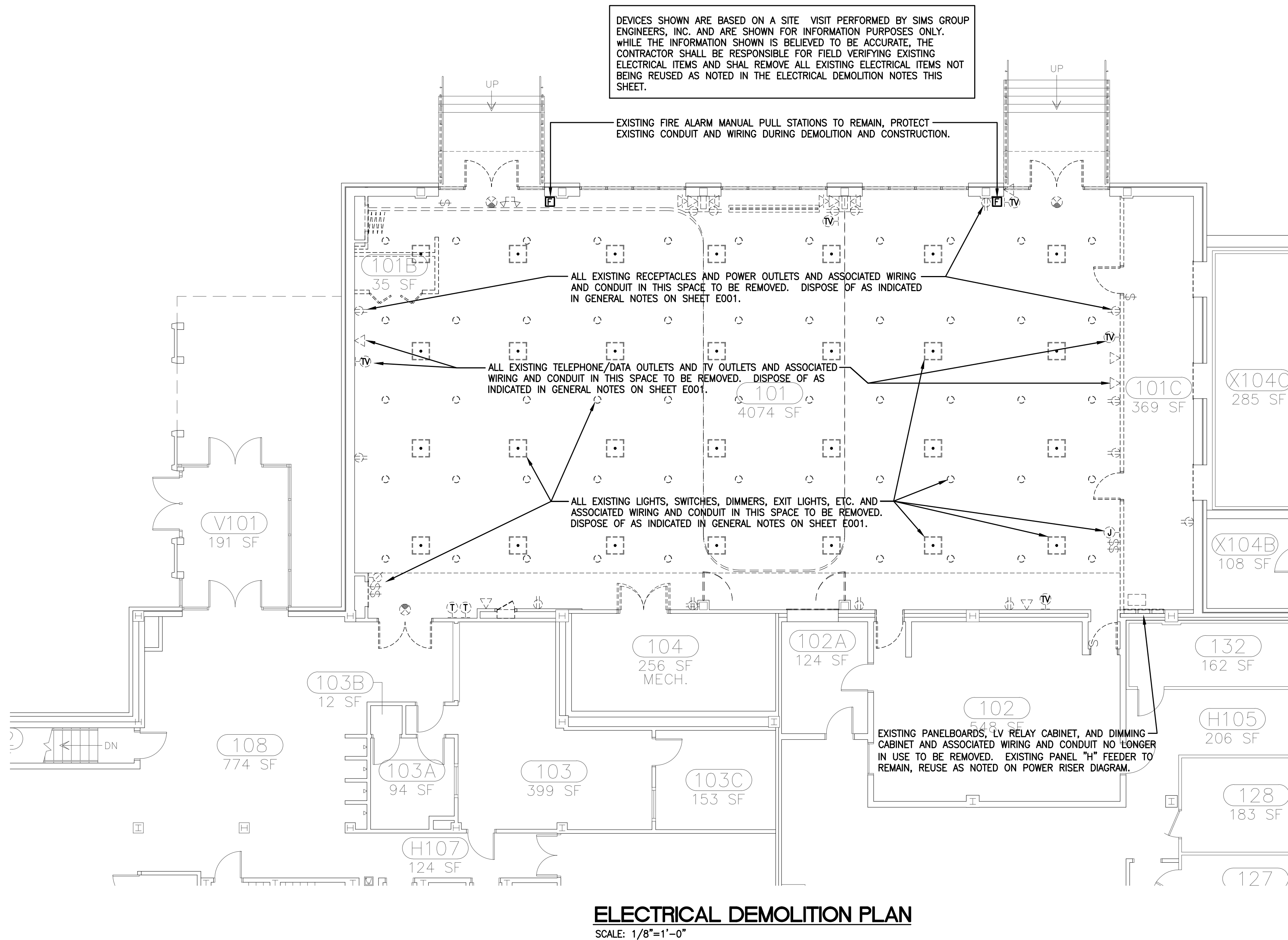
DATE: 2/15/2012

SHEET TITLE:

DEMOLITION PLAN

ELECTRICAL DEMOLITION NOTES

- A. IT IS THE GENERAL INTENTION OF THESE DRAWINGS TO COVER ALL SITUATIONS WHERE AN ITEM IS TO BE REMOVED, WHETHER IT HAPPENS TO BE A LIGHT FIXTURE, DUPLEX RECEPTACLE, LIGHT SWITCH, FIRE ALARM DEVICE, OR OTHER ELECTRICAL ITEM. THE ELECTRICAL CONTRACTOR SHALL ASSIST THE MECHANICAL AND GENERAL CONTRACTORS IN REMOVAL OF EQUIPMENT WITH ELECTRICAL CONNECTIONS BEING REMOVED BY THESE CONTRACTORS.
- B. PRIOR TO SUBMITTING BID, THE CONTRACTOR SHALL SURVEY THE EXISTING BUILDING AND MAKE NOTE OF ANY ADDITIONAL DEMOLITION AND/OR ANY ADDITIONAL REMOVAL AND RELOCATION WHICH MAY BE REQ'D IN ORDER TO ACCOMPLISH RENOVATIONS INDICATED IN CONTRACT DOCUMENTS. NO CHANGE ORDER WILL BE ISSUED FOR ADDITIONAL WORK REQUIRED FOR DEMOLITION, REMOVAL, OR RELOCATION WORK NOT INDICATED ON THESE DRAWINGS BUT NECESSARY TO COMPLETE WORK.
- C. IN ALL AREAS WHERE EXISTING WALLS ARE BEING REMOVED, NEW WALLS ARE BEING ADDED, AND WHERE OTHER DEMOLITION WORK IS OCCURRING, REMOVE ALL EXISTING RECEPTACLES, LIGHTS, AND OTHER ELECTRICAL DEVICES, AND ALL WIRING AND CONDUIT NOT BEING REUSED. EXISTING CONDUIT RUN CONCEALED IN EXISTING WALLS NOT BEING REMOVED AND/OR REPLACED MAY BE ABANDONED. ALL DEMOLITION MUST BE COORDINATED WITH THE ARCHITECT AND WITH ALL OTHER TRADES TO AVOID CONFLICTS. REFER TO THE ARCHITECTURAL DEMOLITION PLAN.
- D. NO EXISTING ELECTRICAL MATERIALS, EQUIPMENT, WIRING, OR CONDUIT BEING REMOVED MAY BE REUSED ON THIS PROJECT UNLESS SPECIFICALLY NOTED OTHERWISE ON THESE DRAWINGS. ALL EXISTING ELECTRICAL MATERIALS AND EQUIPMENT NOT BEING REUSED SHALL BE DISPOSED OF AS INDICATED IN GENERAL NOTES.



PERMIT SET C12005

sims group

SIMS GROUP ENGINEERS, INC.
800 Columblana Drive, Suite 208
Irmo, South Carolina 29063
Phone: (803) 765-1007 Fax: (803) 765-1030
www.simgroupusa.com

SHEET NO:

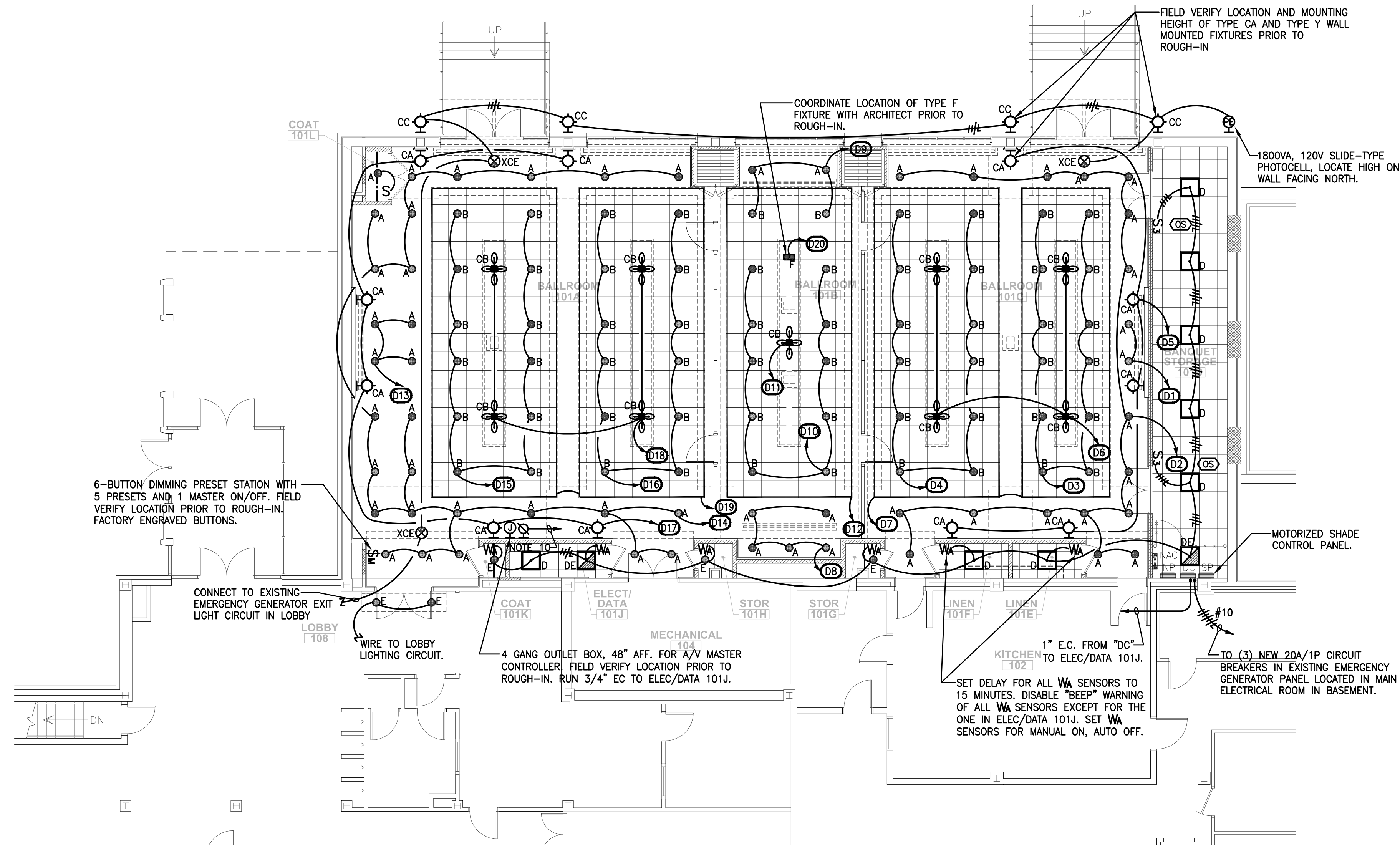
E002

DIMMING CABINET "DC" SCHEDULE			
ITEM	DESCRIPTION	WATTS	# OF FIXTURES
01	BALLROOM 101C SCREEN LED DOWNLIGHTS (1%)	54W	(2 FIXTURES)
02	BALLROOM 101C PERIMETER LED DOWNLIGHTS (1%)	459W	(17 FIXTURES)
03	BALLROOM 101C FIRST BAY LED DOWNLIGHTS (1%)	468W	(12 FIXTURES)
04	BALLROOM 101C SECOND BAY LED DOWNLIGHTS (1%)	468W	(12 FIXTURES)
05	BALLROOM 101C LED WALL SCONCES (10%)	200W	(5 FIXTURES)
06	BALLROOM 101C LED PENDANT FIXTURES (10%)	1280W	(4 FIXTURES)
07	BALLROOM 101C LED COVE LIGHTING (10%)	1285W	(176 LINEAR FT)
08	BALLROOM 101B SCREEN LED DOWNLIGHTS (1%)	135W	(5 FIXTURES)
09	BALLROOM 101B SCREEN LED DOWNLIGHTS (1%)	132W	(4 FIXTURES)
10	BALLROOM 101B BAY LED DOWNLIGHTS (1%)	390W	(10 FIXTURES)
11	BALLROOM 101B LED PENDANT FIXTURE (10%)	320W	(1 FIXTURES)
12	BALLROOM 101B LED COVE LIGHTING (10%)	672W	(92 LINEAR FT)
13	BALLROOM 101A SCREEN LED DOWNLIGHTS (1%)	108W	(4 FIXTURES)
14	BALLROOM 101A PERIMETER LED DOWNLIGHTS (1%)	648W	(27 FIXTURES)
15	BALLROOM 101A FIRST BAY LED DOWNLIGHTS (1%)	468W	(12 FIXTURES)
16	BALLROOM 101A SECOND LED DOWNLIGHTS (1%)	468W	(12 FIXTURES)
17	BALLROOM 101A LED WALL SCONCES (10%)	240W	(6 FIXTURES)
18	BALLROOM 101A LED PENDANT FIXTURES (10%)	1280W	(4 FIXTURES)
19	BALLROOM 101A LED COVE LIGHTING (10%)	1343W	(184 LINEAR FT)
20	PODIUM LED SPOTLIGHTS	60W	(2 DUAL SPOTS)
21	NON-DIMMED C/B MODULE FOR GTD NORMAL POWER		
22	SPACE (FUTURE)		
23	SPACE (FUTURE)		
24	SPACE (FUTURE)		

FURNISH AND INSTALL (3) BODINE GTD20A GENERATOR TRANSFER DEVICES MOUNTED ADJACENT TO DIMMING CABINET "DC". WIRE D7,D12 AND D19 VIA GTDS PER MANUFACTURERS INSTRUCTIONS SO THAT THE COVE LIGHTS TURN ON AT 100% VIA UNSWITCHED EMERGENCY CIRCUIT UPON LOSS OF NORMAL POWER. CONSULT GTD MANUFACTURER FOR WIRING OF DEVICE WITH 0-10V LED DIMMING SYSTEM. GTD MUST BE COMPATIBLE WITH LED DIMMING SYSTEM PROVIDED.

DIMMING CABINET "DC" NOTES

- 208/120V, 3PH, 4W, 100A, MLO (BOTTOM) DIMMING CABINET WITH CAPACITY FOR A MINIMUM OF (24) 2400W DIMMERS.
- DIMMING CABINET TO INCLUDE (11) 0-10V LED DIMMER MODULES COMPATIBLE WITH LUTRON ALED 1% LED DRIVER. DIMMING SYSTEM MUST BE CAPABLE OF SMOOTH DIMMING OF THE SPECIFIED LED DOWNLIGHTS TO 1%. THE LED DOWNLIGHTS MUST BE CAPABLE OF DIMMING TO 1% AND MUST INCLUDE NECESSARY LED DRIVERS TO PROVIDE SMOOTH 1% DIMMING.
- DIMMING CABINET TO INCLUDE (8) 0-10V LED DIMMER MODULES COMPATIBLE WITH SPECIFIED LED FIXTURES, CAPABLE OF SMOOTH DIMMING OF THE SPECIFIED LED FIXTURES TO 10%. THE FIXTURES MUST BE CAPABLE OF DIMMING TO 10% AND MUST INCLUDE NECESSARY LED DRIVERS TO PROVIDE SMOOTH 10% DIMMING.
- DIMMING CABINET TO INCLUDE (1) NON-DIMMED CIRCUIT BREAKER MODULE.
- DIMMING PACKAGE TO INCLUDE TWO SEPARATE TRAINING SESSIONS, AT LEAST ONE TO BE RECORDED ON VIDEO FOR THE OWNER. SECOND TRAINING SESSION TO OCCUR AFTER FINAL OCCUPANCY OF SPACE BY OWNER.
- PROVIDE ALL LABOR, HARDWARE, SOFTWARE, PROGRAMMING, SETUP, WIRE, ETC. NECESSARY TO PROVIDE A COMPLETE AND OPERABLE LED DIMMING SYSTEM, INCLUDING ON-SITE FACTORY START-UP OF SYSTEM.
- DIMMING SYSTEM TO INCLUDE (1) 6-BUTTON PRESET STATION WITH (5) PRESETS AND (1) MASTER ON/OFF BUTTON. BUTTONS TO BE FACTORY ENGRAVED REFLECTING PRESET SCENES. VERIFY WORKING WITH OWNER.
- DIMMING SYSTEM TO INCLUDE ETHERNET INTERFACE TO ALLOW CONTROL OF LIGHTING SYSTEM FROM THE OWNER'S CRESTRON A/V SYSTEM.
- DIMMING SYSTEM TO INCLUDE ALL NECESSARY HARDWARE TO INTERFACE WITH MOTORIZED SHADE CONTROLS. LUTRON OR CRESTRON.
- DIMMING SYSTEM TO INCLUDE 24 ZONE CONTROL UNIT WITH TRANSLUCENT COVER, COLOR AS SELECTED BY ARCHITECT. FIELD VERIFY LOCATION WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN. RUN 3/4" C. WITH WIRE FROM DIMMING STATION TO DIMMING CABINET "DC". PROVIDE OUTLET BOX PER MANUFACTURERS INSTRUCTIONS.
- ACCEPTABLE DIMMING SYSTEM MANUFACTURERS: CRESTRON, LUTRON, ETC, STRAND OR NIJHT.
- REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATION FOR MOTORIZED SHADE INFORMATION. MOTORIZED SHADES TO BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR AND WIRED BY ELECTRICAL CONTRACTOR. MOTORIZED SHADE CONTROL PANEL TO BE FURNISHED BY GENERAL CONTRACTOR, INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.
- ALL DIMMING CIRCUITS TO BE 1#12G, 2#12, 3/4" C. UNLESS NOTED OTHERWISE.



LIGHTING PLAN

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

OCCUPANCY SENSOR NOTES:

MANUFACTURER: PRODUCTS SUPPLIED SHALL BE FROM A SINGLE MANUFACTURING THAT HAS BEEN CONTINUOUSLY INVOLVED IN THE MANUFACTURING OF OCCUPANCY SENSORS FOR A MINIMUM OF FIVE (5) YEARS. MIXING OF MANUFACTURERS SHALL NOT BE ALLOWED. FURNISH AND INSTALL SENSORS AS MANUFACTURED BY WATTSTOPPER, HUBBELL, LEVITON, OR APPROVED EQUAL.

WARRANTY: ALL COMPONENTS SHALL BE U.L. LISTED, OFFER A MINIMUM FIVE (5) YEAR WARRANTY AND MEET ALL STATE AND LOCAL APPLICABLE CODE REQUIREMENTS. CONTRACTOR SHALL WARRANT ALL EQUIPMENT FURNISHED IN ACCORDANCE TO THIS SPECIFICATION TO BE UNDAMAGED, FREE OF DEFECTS IN MATERIALS AND WORKMANSHIP, AND IN CONFORMANCE WITH THE SPECIFICATIONS. THE SUPPLIER'S OBLIGATION SHALL INCLUDE REPAIR OR REPLACEMENT, AND TESTING WITHOUT CHARGE TO THE OWNER, ALL OR ANY PARTS OF EQUIPMENT WHICH ARE FOUND TO BE DAMAGED, DEFECTIVE OR NON-CONFORMING AND RETURNED TO THE SUPPLIER. THE WARRANTY SHALL COMMENCE UPON THE OWNER'S ACCEPTANCE OF THE PROJECT. WARRANTY ON LABOR SHALL BE FOR A MINIMUM PERIOD OF ONE (1) YEAR.

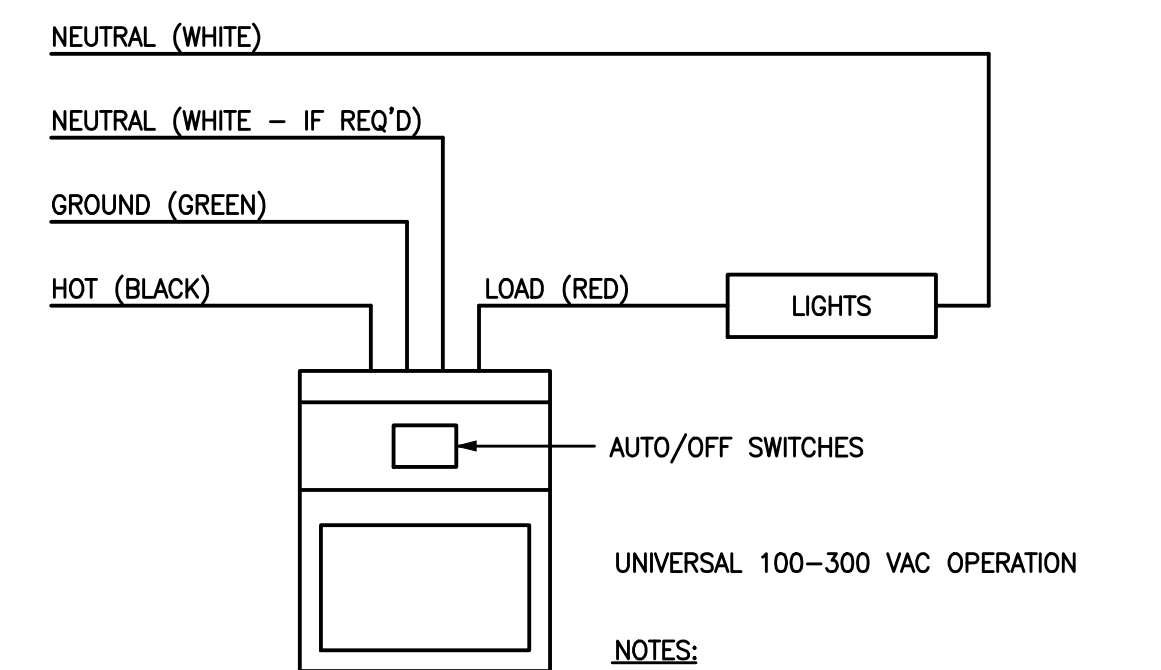
SUBMITTALS AND DOCUMENTATION: MANUFACTURER SHALL SUBstantiate CONFORMANCE TO THIS SPECIFICATION BY SUPPLYING THE NECESSARY DOCUMENTS, PERFORMANCE DATA AND WIRING DIAGRAMS. SUBMIT A LIGHTING PLAN CLEARLY MARKED BY MANUFACTURER SHOWING PROPER PRODUCT, LOCATION, WIRING, AND ORIENTATION OF EACH SENSOR. SUBMIT STANDARD CATALOG LITERATURE WHICH INCLUDES PERFORMANCE SPECIFICATIONS INDICATING COMPLIANCE TO THE SPECIFICATION.

LAYOUT OF OCCUPANCY SENSORS ON THE CONTRACT DOCUMENT IS FOR INFORMATION ONLY. THE OCCUPANCY SENSOR SUPPLIER SHALL FURNISH SHOP DRAWINGS AND PRINTED MATERIAL INDICATING LAYOUT OF SENSORS, RACEWAY, AND WIRING REQUIRED TO CONTROL THE LIGHTING INDICATED ON THE CONTRACT DRAWINGS. NO CHANGE ORDER WILL BE ALLOWED FOR ADDITIONAL SENSORS, RACEWAY, WIRING, POWER SUPPLIES, SATELLITE RELAYS, ETC., REQUIRED ON SHOP DRAWINGS BY THE OCCUPANCY SENSOR SUPPLIER. POWER SUPPLIES ARE NOT SHOWN ON THE LIGHTING PLANS, BUT ARE REQUIRED FOR OPERATION OF THE OCCUPANCY SENSORS AND MUST BE INCLUDED AS PART OF THE BASE BID FOR THIS PROJECT. SEE OCCUPANCY SENSOR DETAILS THIS SHEET.

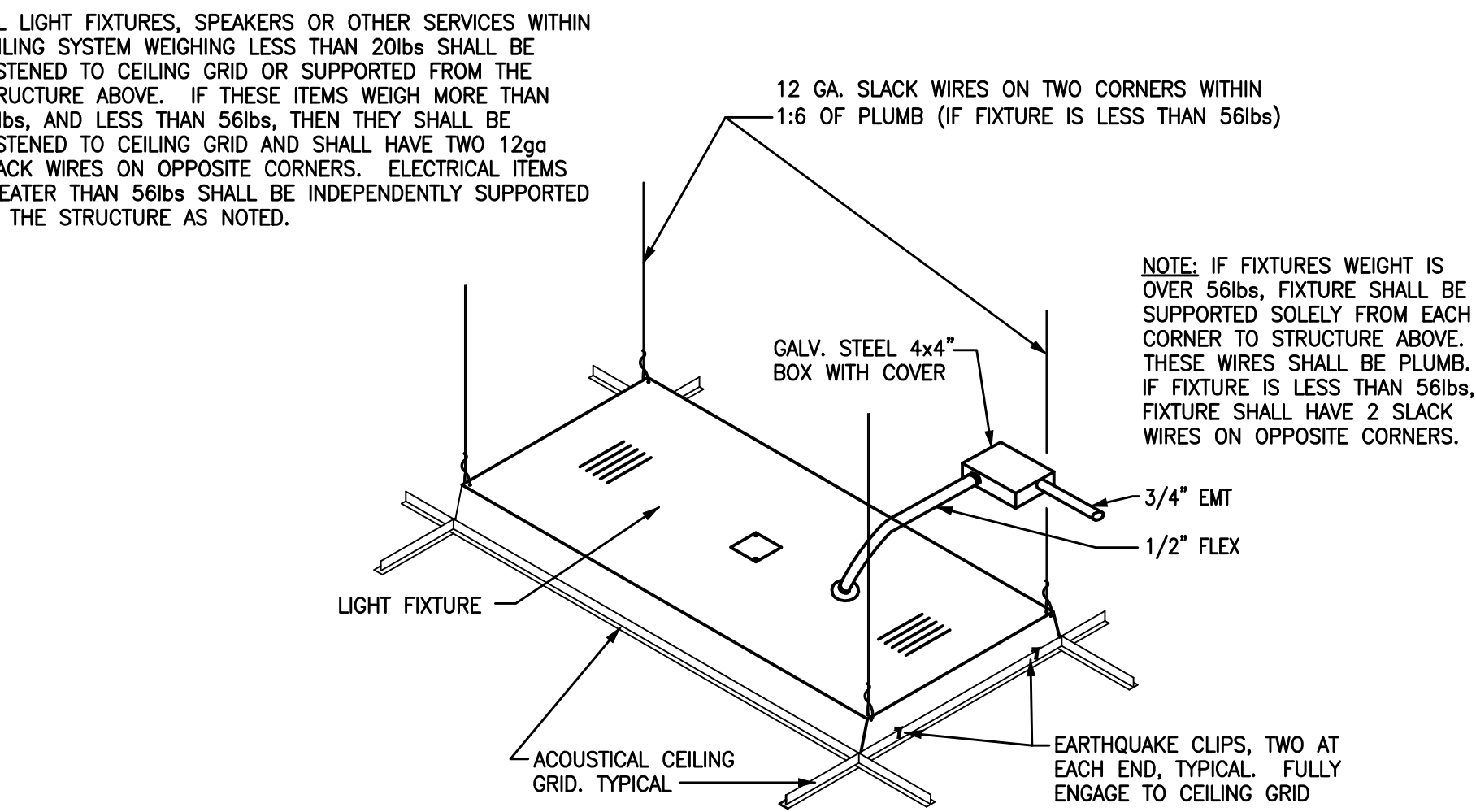
INSTALLATION: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND AIM SENSORS IN THE CORRECT LOCATION REQUIRED FOR COMPLETE AND PROPER VOLUMETRIC COVERAGE WITHIN THE RANGE OF COVERAGE(S) OF CONTROLLED AREAS PER THE MANUFACTURER'S RECOMMENDATIONS. PROPER JUDGMENT MUST BE EXERCISED IN EXECUTING THE INSTALLATION SO AS TO ENSURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF STRUCTURAL COMPONENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL PROPER ADJUSTMENTS TO ASSURE OWNER'S SATISFACTION WITH THE OCCUPANCY SYSTEM. PROVIDE ALL POWER PACKS AND MOUNTING HARDWARE NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM.

DUAL TECHNOLOGY SENSORS: SET TRIGGER FOR DUAL TECHNOLOGY SENSORS SO BOTH TECHNOLOGIES ARE REQUIRED TO TRIGGER ON, EITHER TECHNOLOGY IS REQUIRED TO HOLD ON, AND EITHER TECHNOLOGY IS REQUIRED TO RETRIGGER ON (5 SECOND DURATION).

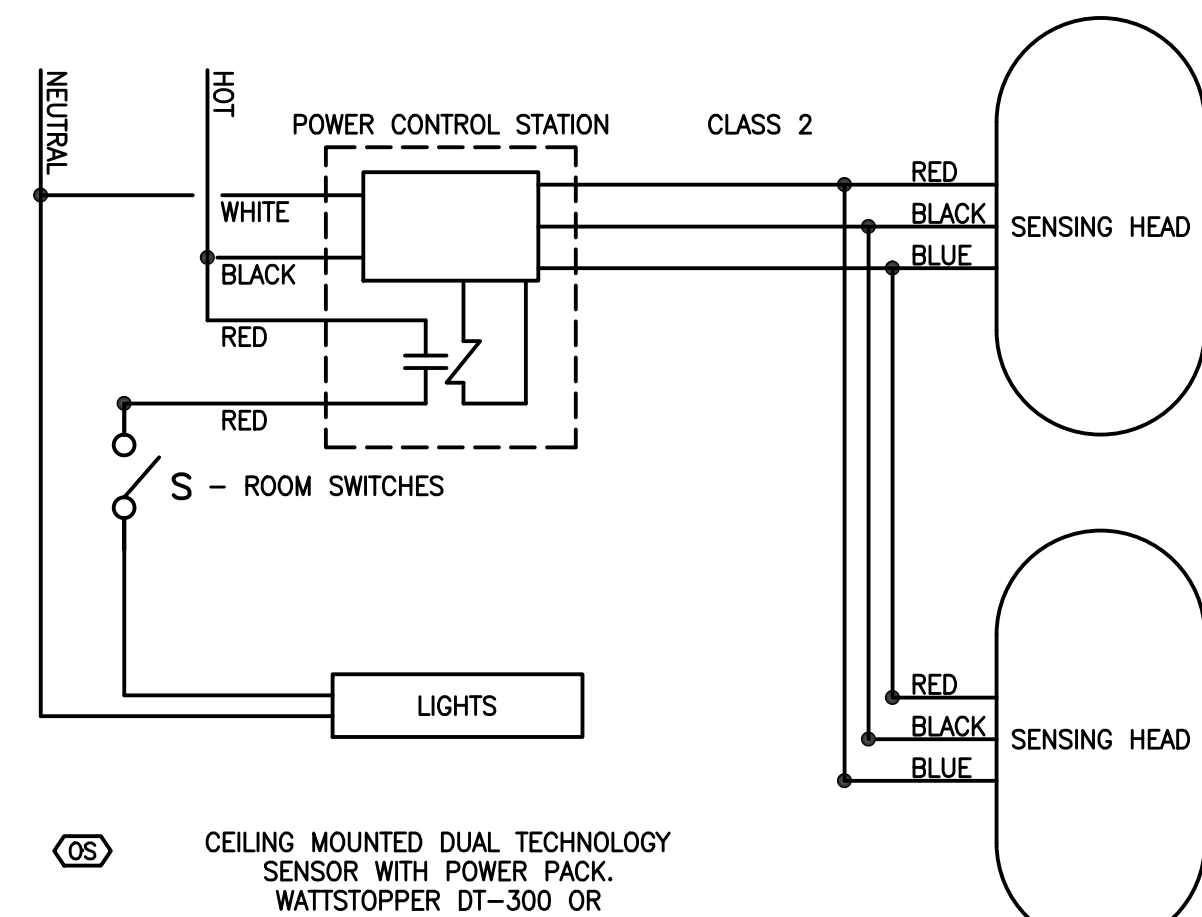
VERIFICATION AND TRAINING: IT SHALL BE THE MANUFACTURER'S RESPONSIBILITY TO VERIFY ALL PROPER ADJUSTMENTS AND TRAIN OWNER'S PERSONNEL TO ENSURE OWNERS SATISFACTION WITH THE OCCUPANCY SYSTEM. THIS SERVICE SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER OR THE ARCHITECT/ENGINEER.



WALL MOUNTED OCCUPANCY SENSOR SWITCH
NOT TO SCALE



TYPICAL LIGHT FIXTURE SUPPORT
NOT TO SCALE



LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR
NOT TO SCALE

PERMIT SET C12005

simsgroup

SIMS GROUP ENGINEERS, INC.
800 Columblana Drive, Suite 208
Irmo, South Carolina 29063
Phone: (803) 765-1007 Fax: (803) 765-1030
www.simgroupusa.com

Jumper

Carter

Sease

Architects PA
412 Meeting Street
West Columbia
South Carolina

SOUTH CAROLINA
SIMS GROUP
ENGINEERS, INC.
No. 003104
DATE 2/15/2012

SOUTH CAROLINA
SIMS GROUP
ENGINEERS, INC.
No. 003104
DATE 2/15/2012

2/15/2012

these drawings are the property of jumper carter sease architects, pa and may not be reproduced, copied or used in whole or in part without written consent of the architect and any infringement will be subject to legal action.

CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY: JB

CHECKED BY: CLP

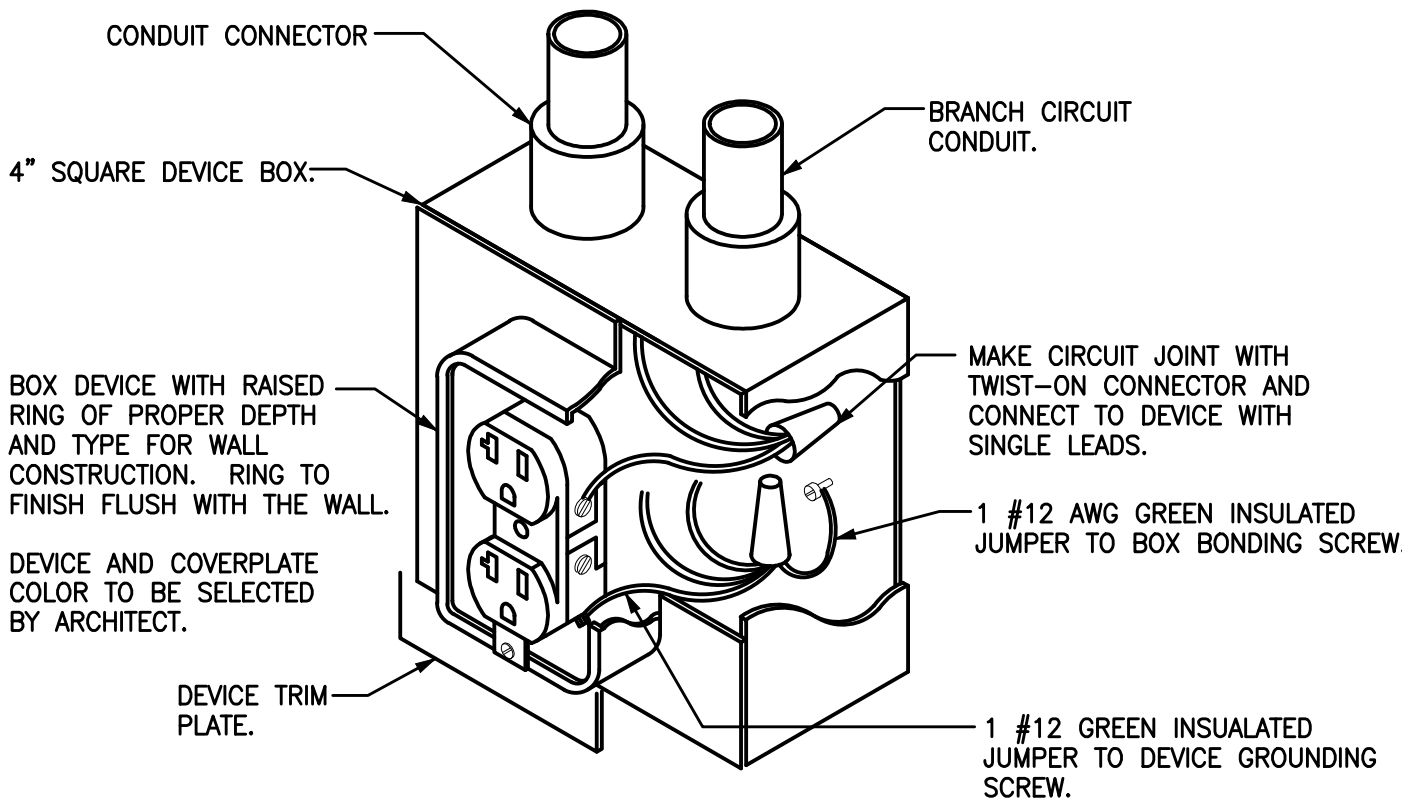
COMM NO: 11103

DATE: 2/15/2012

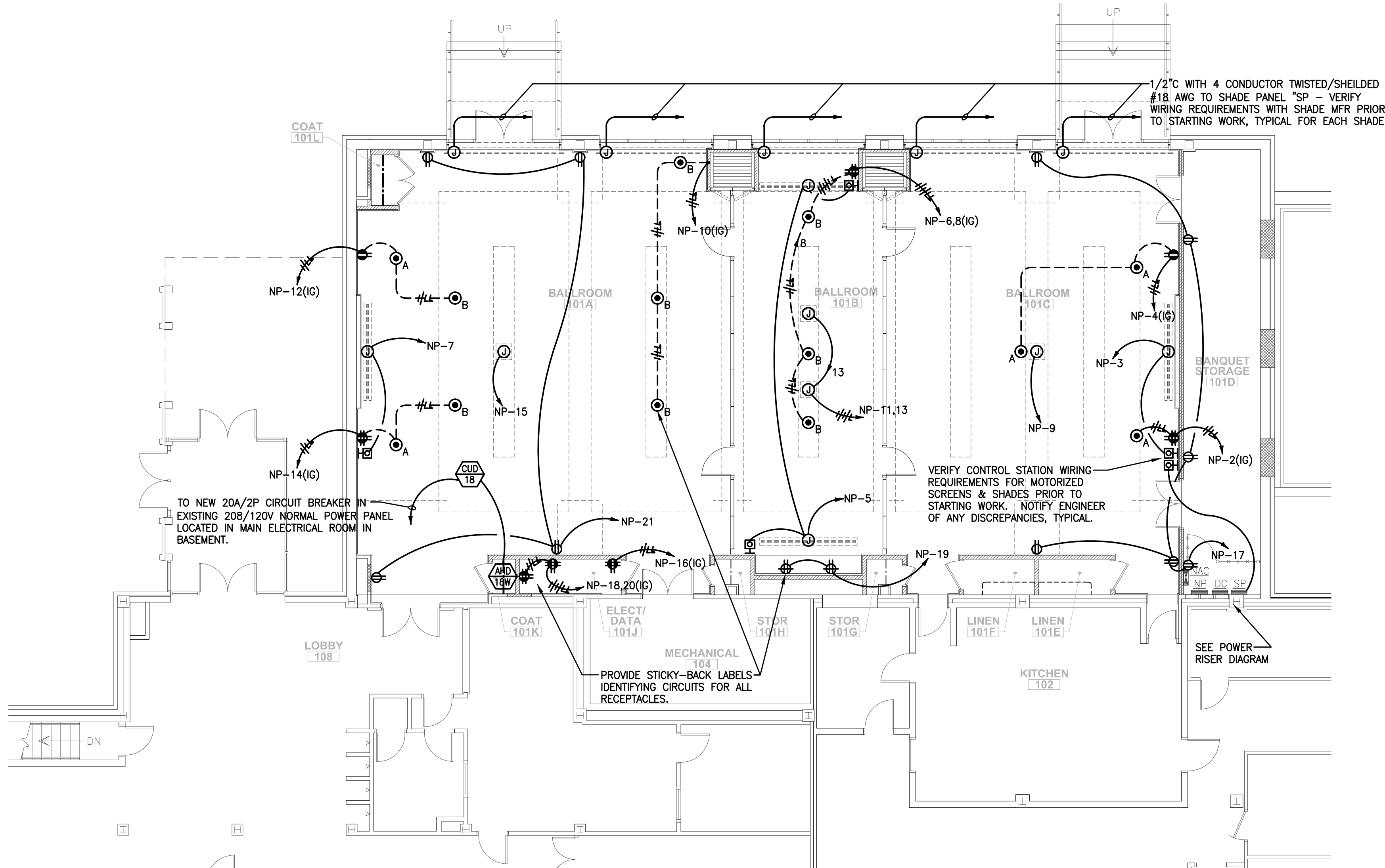
SHEET TITLE: LIGHTING PLAN

SHEET NO: E101

MECHANICAL EQUIPMENT SCHEDULE							
ITEM	VOLTAGE	MCA	MOCP	CONDUIT	WIRING	DISCONNECT Amps/Volts/Fuse/Enc	NOTE
CUD-1B	208-1-60	14.0A	20A	3/4" C	1#12 G, 2#12	30A/240V/20A/NEMA 3R	1
AHD-1BW	208-1-60	N/A	N/A	3/4" C	PULL WIRE	30A/240V/NF/NEMA 1	
MECHANICAL EQUIPMENT NOTES:							
DENOTES HVAC UNIT ID TAG, TAG CORRESPONDS TO UNIT ID ON MECHANICAL DRAWINGS. TAG SHOWN IS FOR HVAC UNIT CU-2. CU = CONDENSING UNIT, 2 = UNIT NUMBER. REFER TO MECHANICAL EQUIPMENT SCHEDULE ABOVE FOR CONDUIT, WIRING, & DISCONNECT TYPES/SIZES. LOCATE DISCONNECTS ADJACENT TO EQUIPMENT IN AN ACCESSIBLE LOCATION, FIELD VERIFY.							
COORDINATE VOLTAGES WITH MECHANICAL CONTRACTOR PRIOR TO START OF WORK. IF EQUIPMENT IS SUPPLIED AT A VOLTAGE OTHER THAN THAT PROVIDED, THE GENERAL CONTRACTOR AND SUBCONTRACTORS WILL BE HELD RESPONSIBLE FOR MAKING ANY NECESSARY ADJUSTMENTS TO CORRECT THE CONFLICT, AT NO COST TO THE OWNER, TO THE SATISFACTION OF THE ELECTRICAL ENGINEER. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LOCATIONS, SUBJECT TO FIELD VERIFICATION.							
INFORMATION SHOWN IN SCHEDULE WAS TAKEN FROM DRAWINGS FURNISHED BY THE MECHANICAL ENGINEER. PRIOR TO STARTING WORK AND BEFORE ORDERING ANY EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL REVIEW THE HVAC SHOP DRAWINGS AND SHALL VERIFY ALL EQUIPMENT FOR CONFORMANCE WITH THE INFORMATION SHOWN IN THE SCHEDULE (VOLTAGE, MCA, MOCP), AND SHALL NOTIFY THE ENGINEER AND THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE MECHANICAL SHOP DRAWINGS AND THIS SCHEDULE.							
ALL MOTOR STARTERS AND VARIABLE FREQUENCY DRIVES (VFDs) FOR HVAC-RELATED EQUIPMENT THAT ARE NOT FACTORY-MOUNTED SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR, INSTALLED AND POWER WIRED BY THE ELECTRICAL CONTRACTOR UNLESS NOTED OTHERWISE ON THE DESIGN DOCUMENTS. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS AND QUANTITIES OF MOTOR STARTERS AND VFDs.							
USE HACR TYPE CIRCUIT BREAKERS FOR ALL HVAC UNITS.							
1. INDOOR UNIT (AHD) WIRED FROM OUTDOOR UNIT (CUD) BY MECHANICAL CONTRACTOR. PROVIDE CONDUIT WITH PULL WIRE AND DISCONNECT AS REQUIRED.							

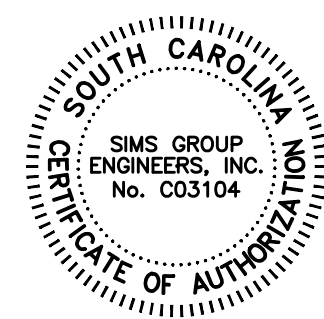


TYPICAL DUPLEX RECEPTACLE INSTALLATION
NOT TO SCALE



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

Jumper
Carter
Sease
Architects
PA
412 Meeting Street
West Columbia
South Carolina



CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY: JB
CHECKED BY: CLP
COMM NO: 11103
DATE: 2/15/2012
SHEET TITLE: POWER PLAN

CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY:

CHECKED BY: CLB

COMM NO: 11103

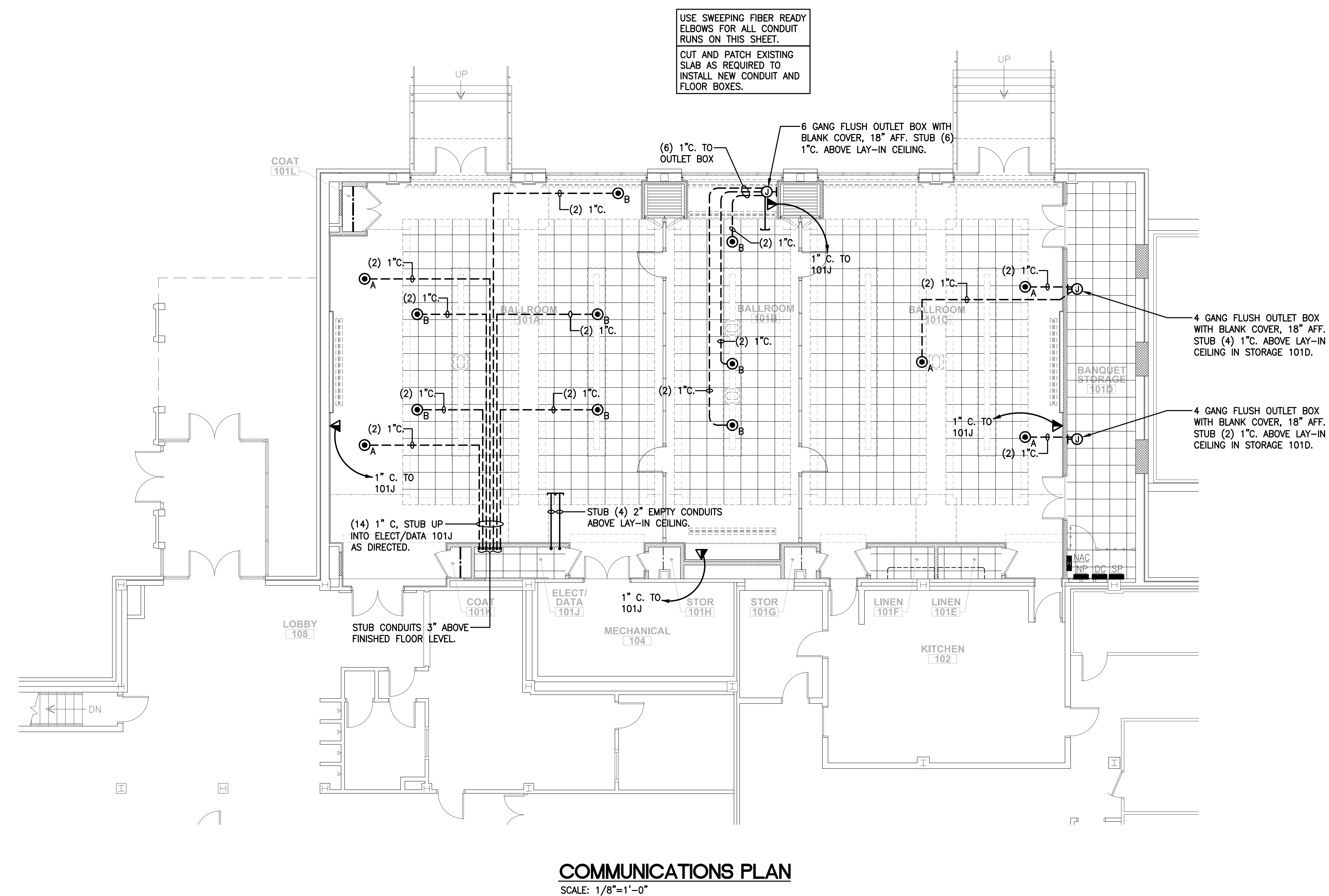
DATE: 2/15/2012

SHEET TITLE:

COMMUNICATIONS PLAN

SHEET NO: _____

E401

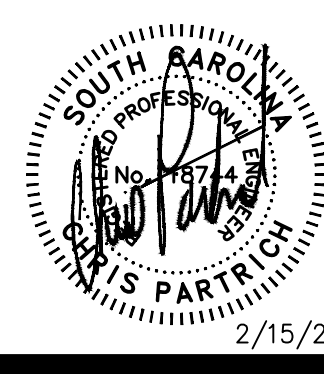
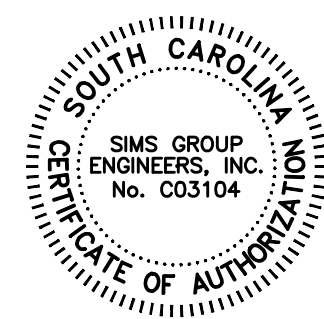


Jumper

Carter

Sease

Architects
PA
412 Meeting Street
West Columbia
South Carolina



these drawings are the property of Jumper Carter Sease Architects, PA and may not be reproduced, copied or used in whole or in part without written consent of the architect and any infringement will be subject to legal action.

CAPSTONE CAMPUS ROOM RENOVATION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

REVISIONS:

DRAWN BY: JB

CHECKED BY: CLP

COMM NO: 11103

DATE: 2/15/2012

SHEET TITLE:

FIRE ALARM PLAN

SHEET NO:

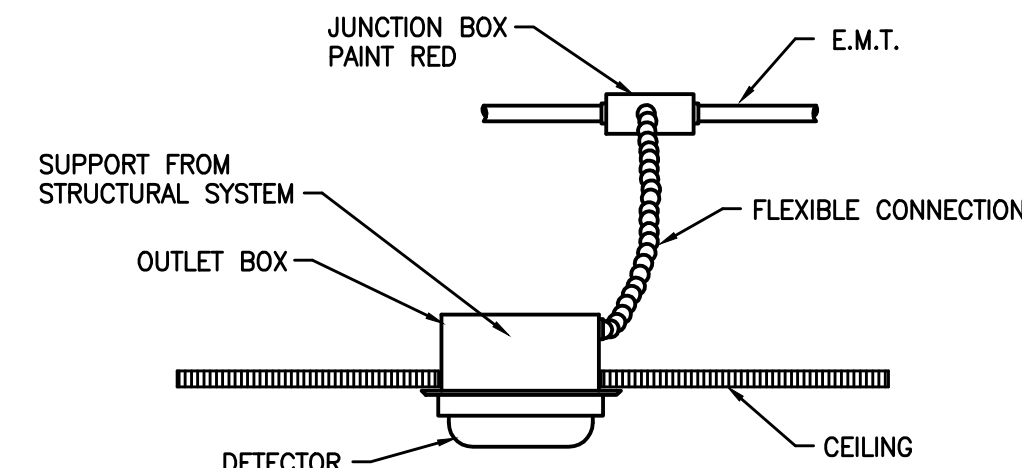
E501

FIRE ALARM SYSTEM NOTES

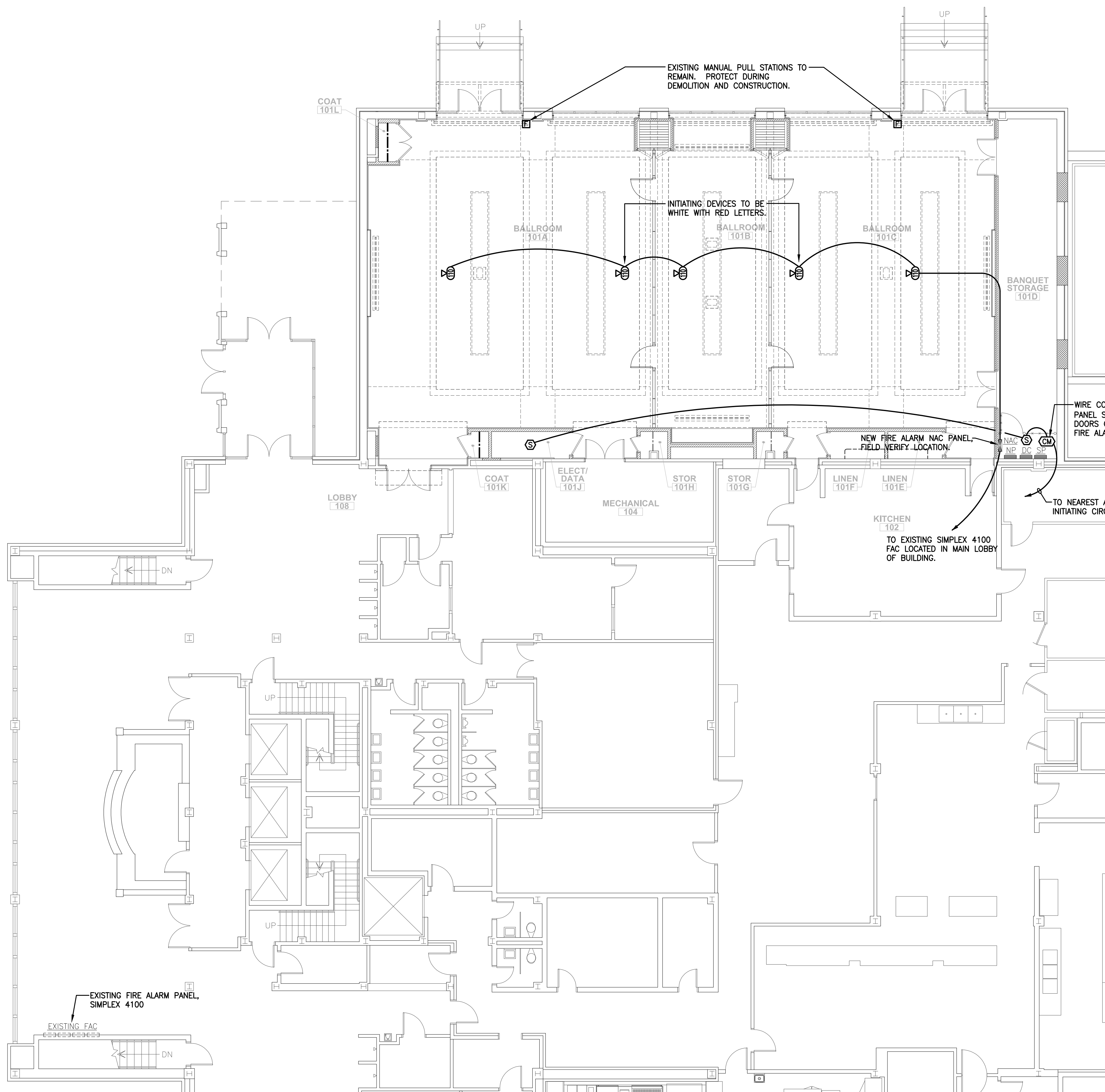
1. ALL FIRE ALARM SYSTEM WIRING SHALL BE RUN ABOVE GRADE IN WALLS AND ABOVE CEILING IN METAL RACEWAYS. RACEWAYS SHALL BE RUN CONCEALED WHERE PRACTICAL. FIRE ALARM WIRING MAY NOT BE RUN UNDERGROUND OR IN SLAB UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
2. VERIFY WIRING REQUIREMENTS WITH EQUIPMENT MFR PRIOR TO ROUGH-IN AND INSTALL ACCORDINGLY. NOTIFICATION APPLIANCE CIRCUITS SHALL BE RUN AS REQ'D TO PROVIDE A 3-PULSE TEMPORAL AUDIBLE SIGNAL WITHOUT COMPROMISING THE OPERATION OF THE STROBES.
3. PROVIDE SYNCHRONIZATION OF ALL STROBE LIGHTS.
4. FIRE ALARM SYSTEM TO BE CLASS B SUPERVISED SYSTEM (STYLE B INITIATING DEVICE CIRCUITS, STYLE 4 SIGNALING LINE CIRCUITS, CLASS B NOTIFICATION APPLIANCE CIRCUITS). FURNISH & INSTALL END-OF-LINE RESISTORS WHERE REQ'D.
5. EQUIPMENT SUPPLIER SHALL SUBMIT SHOP DRAWINGS INDICATING EXACT ROUTING OF RACEWAYS AND NUMBER AND SIZE OF CONDUCTORS IN RACEWAYS FOR THE FIRE ALARM SYSTEM. THE ELECTRICAL CONTRACTOR SHALL USE THE REVIEWED DRAWING FOR ROUGH-IN OF FIRE ALARM SYSTEM RACEWAYS AND OUTLET BOXES.
6. EACH HORN/STROBE LOCATED AT THE END OF A CORRIDOR MUST BE WITHIN 15'-0" OF THE END WALL PER NFPA 72. HORN/STROBES MUST BE LOCATED TO COMPLY WITH TABLE 7.5.4.3.1(c) & TABLE 7.5.4.3.1(b) OF NFPA 72. DO NOT ADJUST LOCATIONS OF HORN/STROBES WITHOUT CONSULTING WITH THE ENGINEER AND OBTAINING WRITTEN PERMISSION. ALL HORNS IN CORRIDORS AND IN SPACES LARGER THAN 2,000SF SHALL BE SET TO "HIGH". ALL OTHER HORNS SHALL BE SET TO "LOW".
7. IN ADDITION TO SMOKE DETECTORS SHOWN, CONTRACTOR WILL BE REQUIRED TO FURNISH & INSTALL SMOKE DETECTORS IN ALL ROOMS WITH FIRE ALARM POWER SUPPLIES AND POWER BOOSTERS. IN ADDITION TO 120V CIRCUITS SHOWN, CONTRACTOR SHALL BE REQUIRED TO FURNISH & INSTALL ANY 120V CIRCUITS NECESSARY TO PROVIDE A COMPLETE AND OPERABLE FIRE ALARM SYSTEM.

FIRE ALARM SYMBOLS

	FIRE ALARM NAC PANEL.
	EXISTING FIRE ALARM MANUAL PULL STATION TO REMAIN.
	FIRE ALARM HORN AND FLASHING LIGHT, CANDELA RATING AS NOTED. MOUNT BETWEEN 80" AND 96" AFF PER NFPA 72 AND ADA REQ'TS.
	SAME AS ABOVE, EXCEPT CEILING MOUNTED HORN AND FLASHING LIGHT.
	SMOKE DETECTOR. CEILING MOUNTED, UNLESS NOTED.
	FIRE ALARM CONTROL MODULE.



SMOKE DETECTOR INSTALLATION DETAIL
NOT TO SCALE



FIRE ALARM PLAN
SCALE: 1/8"=1'-0"

PERMIT SET C12005

simsgroup

SIMS GROUP ENGINEERS, INC.
800 Columblana Drive, Suite 208
Irmo, South Carolina 29063
Phone: (803) 765-1007 Fax: (803) 765-1030
www.simgroupusa.com