

CONSTRUCTION DOCUMENTS

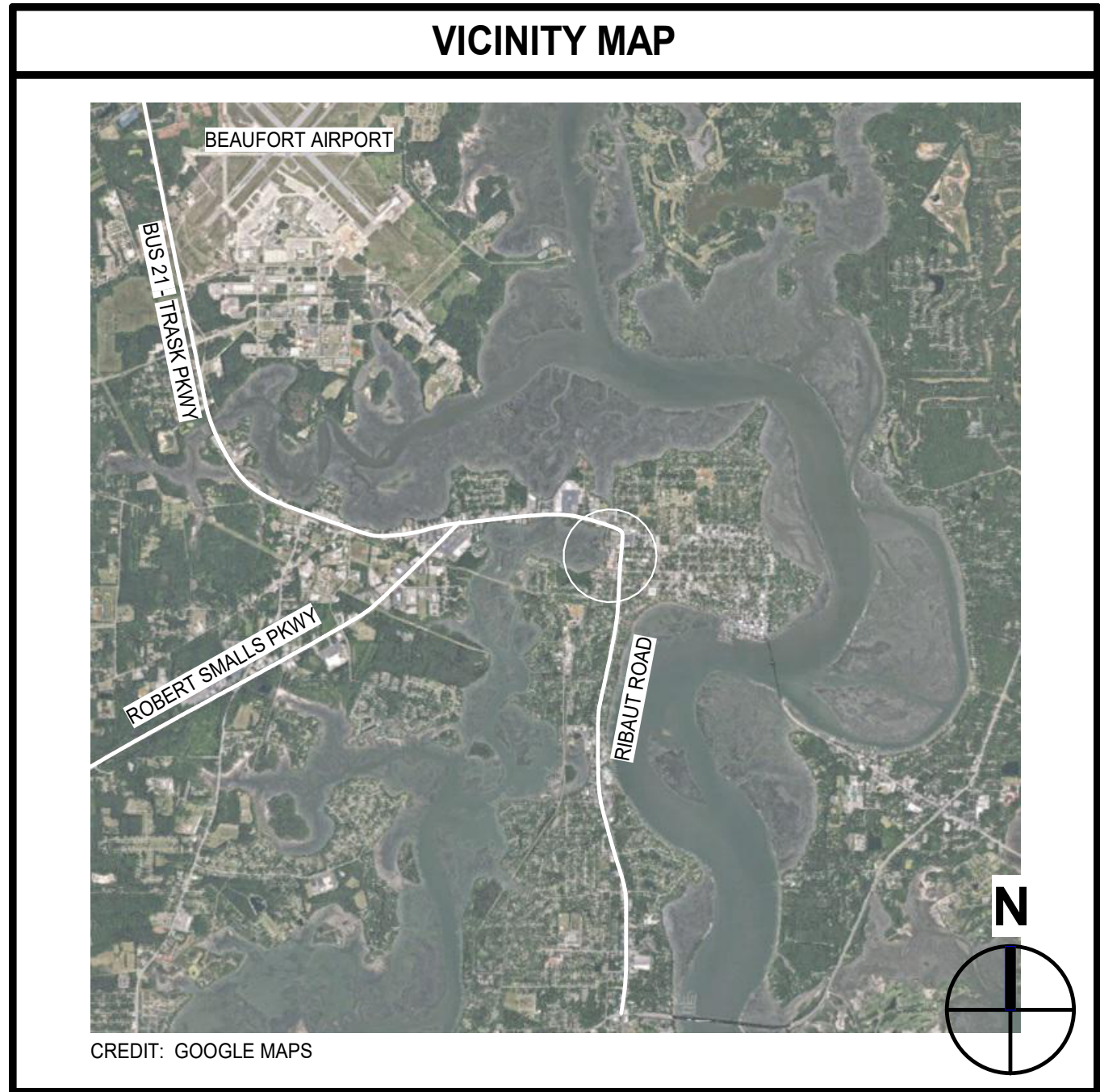
BEAUFORT COUNTY DETENTION CENTER
GYM CONVERSION

BEAUFORT COUNTY
BEAUFORT, SC

PROJECT #644482

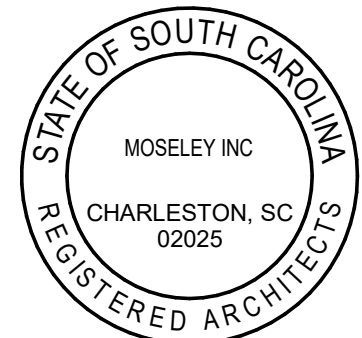
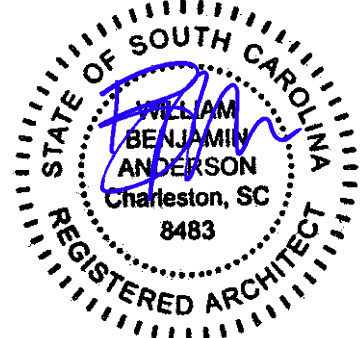


997 MORRISON DRIVE, SUITE 601 CHARLESTON, SC 29403
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DRAWING INDEX		CODE INFORMATION																									
GENERAL G0.1COVER ARCHITECTURAL A1.0OVERALL PLANS A1.1FLOOR PLANS A1.2ELEVATIONS, FRAME TYPES & DETAILS A1.3TOILET PLANS & DETAILS A3.1FINISH SCHEDULE STRUCTURAL S0.0.1GENERAL NOTES AND LEGENDS S1.1.1SECOND FLOOR & ROOF FRAMING PLAN & DETAILS PLUMBING P0.1LEGENDS, ABBREVIATIONS AND GENERAL NOTES P2.1FLOOR PLANS - PLUMBING P5.1DETAILS FIRE PROTECTION FP0.1LEGENDS, ABBREVIATIONS AND GENERAL NOTES FP1.0FLOOR PLAN MECHANICAL M0.1LEGENDS, ABBREVIATIONS AND GENERAL NOTES M0.2SCHEDULES AND DETAILS M1.1MECHANICAL DEMOLITION PLANS M2.1MECHANICAL CONSTRUCTION PLANS ELECTRICAL E0.1LEGENDS, ABBREVIATIONS AND GENERAL NOTES E2.1FLOOR PLAN AND DETAILS		PROJECT:BEAUFORT COUNTY DETENTION CENTER GYM CONVERSION & INTERIOR FINISHES PROJECT NUMBER: #644482BEAUFORT COUNTY DETENTION CENTER - GYM CONVERSION OWNER:BEAUFORT COUNTY ATTN:ROBERT GECY INTERIM DIRECTOR Robert.Gecy@bcgov.net REFERENCE REQUIREMENTS (DATE OF ANALYSIS - JULY 23, 2025): <table><tr><th>FLOOR</th><th>AREA</th><th>EXISTING OCCUPANCY</th><th>PROPOSED OCCUPANCY</th></tr><tr><td>FIRST</td><td>62,616 SQFT</td><td>I-3 INSTITUTIONAL</td><td>I-3 INSTITUTIONAL</td></tr><tr><td>SECOND</td><td>36,839 SQFT</td><td>I-3 INSTITUTIONAL</td><td>I-3 INSTITUTIONAL</td></tr><tr><td colspan="2">TOTAL BUILDING AREA:</td><td>99,455 SQFT</td><td></td></tr><tr><td colspan="2">WORK AREA:</td><td>2,260 SQFT</td><td></td></tr></table>		FLOOR	AREA	EXISTING OCCUPANCY	PROPOSED OCCUPANCY	FIRST	62,616 SQFT	I-3 INSTITUTIONAL	I-3 INSTITUTIONAL	SECOND	36,839 SQFT	I-3 INSTITUTIONAL	I-3 INSTITUTIONAL	TOTAL BUILDING AREA:		99,455 SQFT		WORK AREA:		2,260 SQFT					
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THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.



BEAUFORT COUNTY DETENTION CENTER GYM CONVERSION

PROJECT #644482
BEAUFORT COUNTY
106 RIBAUT ROAD, BEAUFORT, SC 29902

PROJECT NO: 644482
DATE: JULY 23, 2026
REVISIONS
DATE DESCRIPTION

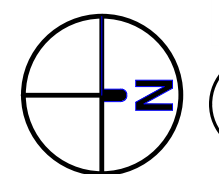
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G0.1

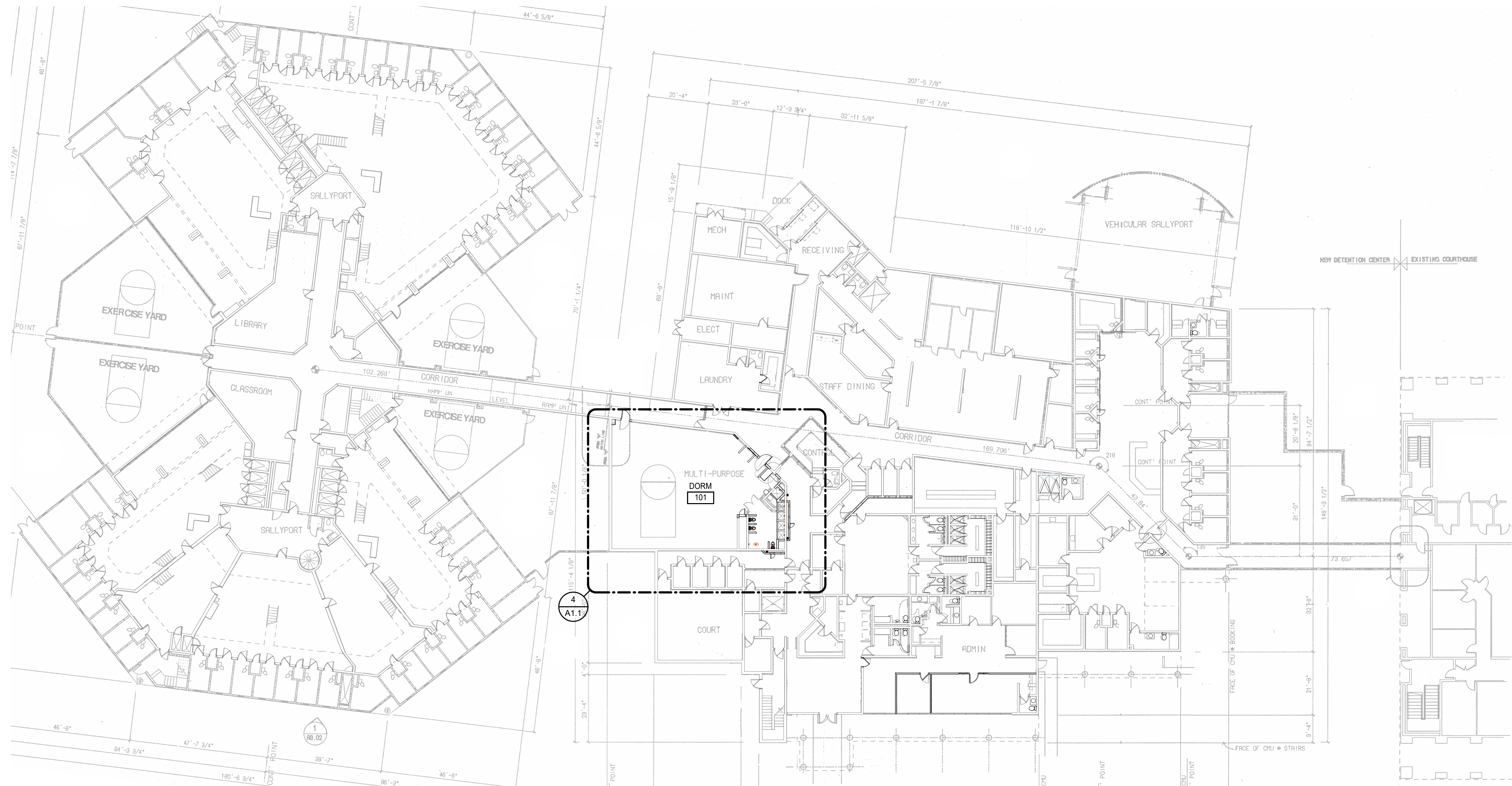
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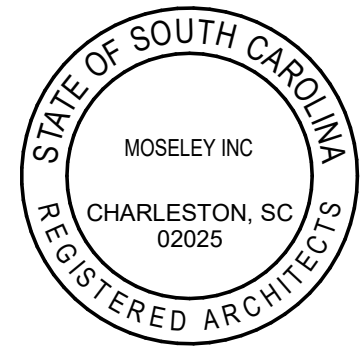
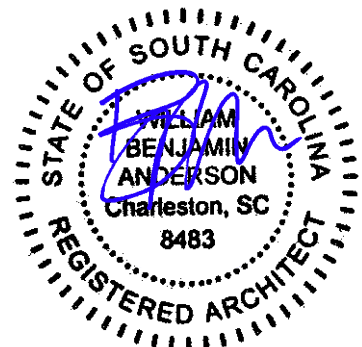
2 OVERALL 1ST FLOOR PLAN
3/64" = 1'-0"



SURROUNDING PLAN SHOWN FOR REFERENCE ONLY AND IS NOT IN SCOPE EXCEPT WHERE NOTED

FLOOR PLAN GENERAL NOTES

- A. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE VERIFIED IN FIELD BY CONTRACTOR.
B. PAINT ALL DOORS AND JAMBS IN AREAS WITHIN AREA OF WORK.



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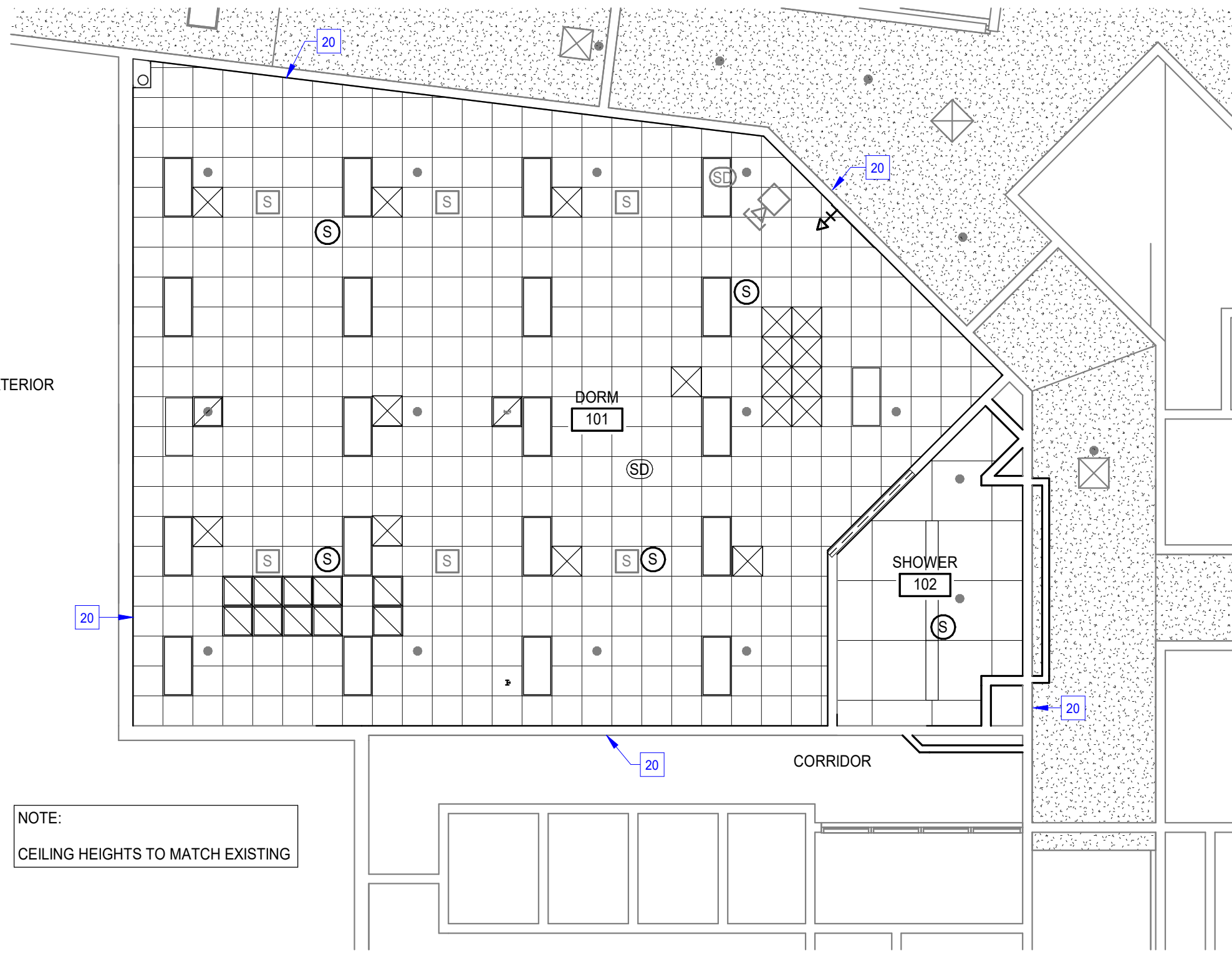
OVERALL PLANS

A1.0

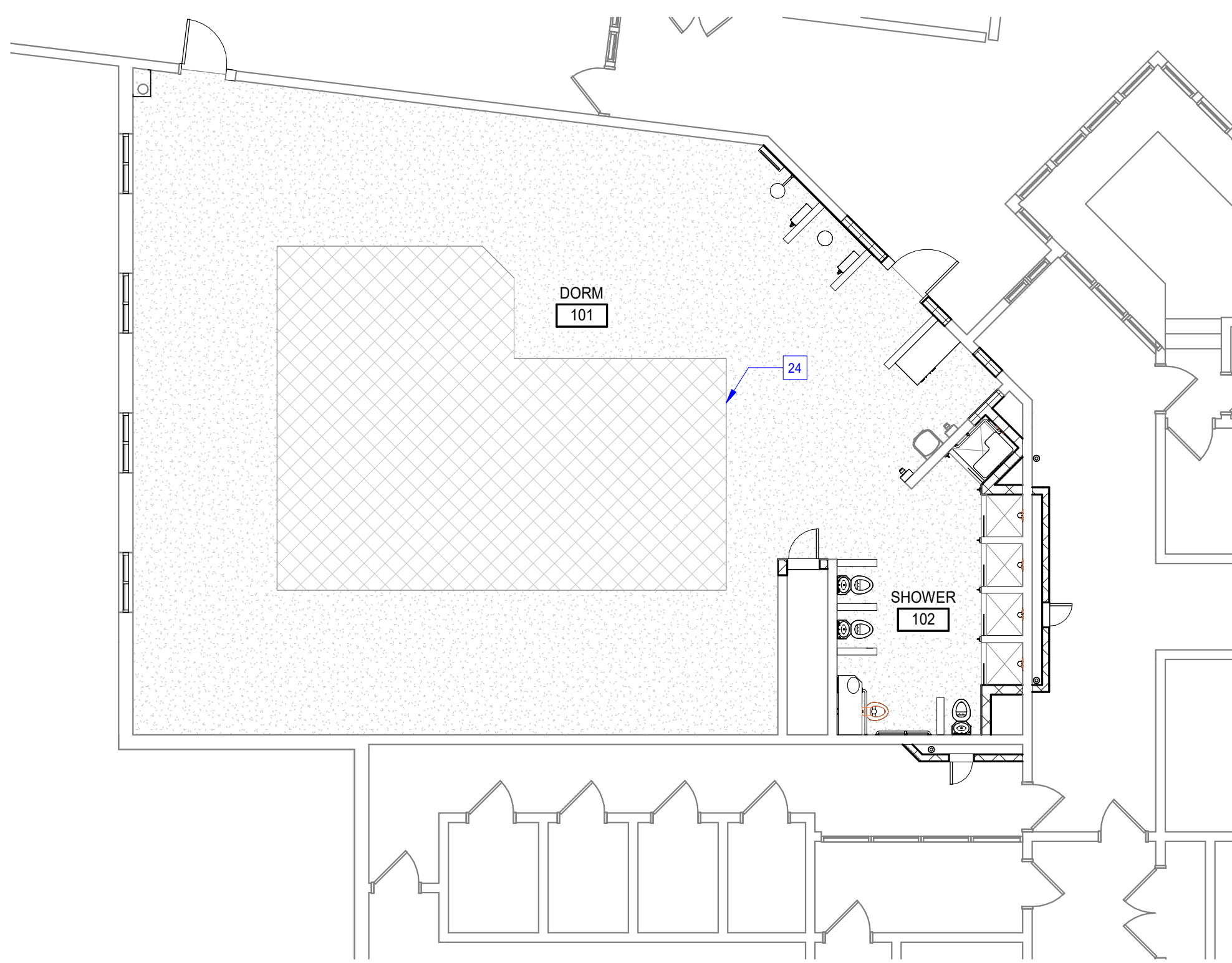


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6 ENLARGED CHASE PLAN
1/4" = 1'-0"



5 FIRST FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"



3 FIRST FLOOR FINISH PLAN
1/8" = 1'-0"

DETENTION DOOR SCHEDULE														
NUMBER	HJWR SET NO.	DOOR		DOOR		FRAME	FRAME	FRAME	FRAME	FRAME	KEYING	KEYING	FIRE RATING	NOTES
		TYPE	SIZE (NOMINAL)	MATL	SECURITY TYPE									
D1	SH2A	DG	3'-0" x 7'-0" x 2"	DHM	SG-14F	DMH	1	11	11	11	M2	MA	--	See sheet A1.2, details # 11, 14, 15
D2	SH2A	DG	3'-0" x 7'-0" x 2"	DHM	SG-14F	DMH	1	11	11	11	M2	MA	--	See sheet A1.2, details # 11, 14, 15

FLOOR PATTERN LEGEND	
	NEUTRAL FIELD CARPET WITH VINYL TRANSITION & SECURITY CAULK
	RESIN EPOXY FLOORING

MASONRY UNIT WALL/PARTITION TYPES			
REPRESENTED BY X in			
MARK	FIRE RATED ASSEMBLY (REFER TO LS 1.1 FOR LEGEND)	REMARKS	INFORMATION
M1		--	6" CMU
M2		--	8" CMU

REFLECTED CEILING PLAN LEGEND	
APPLIES TO DRAWINGS A9.1.n - A9.1.n	
REFER TO M, E & FP DRAWINGS FOR REFLECTED CEILING PLAN SYMBOLS NOT INDICATED BELOW	
	2'-0" x 2'-0" LAY-IN ACOUSTICAL CEILING PANELS IN SUSPENDED GRID
	4'-0" x 4'-0" STAINLESS STEEL DETENTION GRADE ACOUSTIC CEILING SYSTEM
	ACCESS PANEL
	EXTERIOR WALL
	INTERIOR WALL/PARTITION TO UNDERSIDE OF DECK
	INTERIOR WALL/PARTITION TO CAP ABOVE OR TERMINATES ADJACENT TO A RATED HORIZONTAL ASSEMBLY
	INTERIOR WALL/PARTITION 4" MIN ABOVE HIGHEST ADJACENT CEILING. IF NECESSARY TO ACHIEVE RESULTS DESIRED, EXTEND WALL HEIGHT SO WALL BRACING IS NOT EXPOSED TO VIEW IN FINISHED SPACES
	INTERIOR WALL/PARTITION TO UNDERSIDE OF CEILING
	EXISTING TO REMAIN, VERIFY VERTICAL EXTENTS WHERE THE HEIGHT IMPACTS THE WORK

REFLECTED CEILING PLAN/DETAIL GENERAL NOTES	
A. DRAWINGS INDICATE GRID LAYOUT DIAGMATICALLY. REFER TO SPECIFICATIONS FOR SPECIFIC GRID LAYOUT CRITERIA AT PERIMETER CONDITIONS THAT MAY DIFFER FROM GRID LAYOUT INDICATED ON DRAWINGS.	
B. CENTER CEILING MOUNTED ITEMS WITHIN CEILING PANELS, UNLESS INDICATED OTHERWISE.	
C. IF ADDITIONAL SPRINKLER HEADS ARE REQUIRED TO SATISFY CODE OR COVERAGE DENSITIES (OTHER THAN THOSE THAT MAY BE INDICATED), PROVIDE ADDITIONAL SPRINKLER HEADS AT NO ADDITIONAL COST AND OBTAIN APPROVAL OF ARCHITECT FOR LOCATION OF SUCH HEADS, IF ANY.	

FLOOR PLAN GENERAL NOTES	
A. ALL DIMENSIONS SHOWN ARE APPROXIMATE AND NEED TO BE VERIFIED IN FIELD BY CONTRACTOR.	
B. PAINT ALL DOORS AND JAMBS IN AREAS WITHIN AREA OF WORK.	

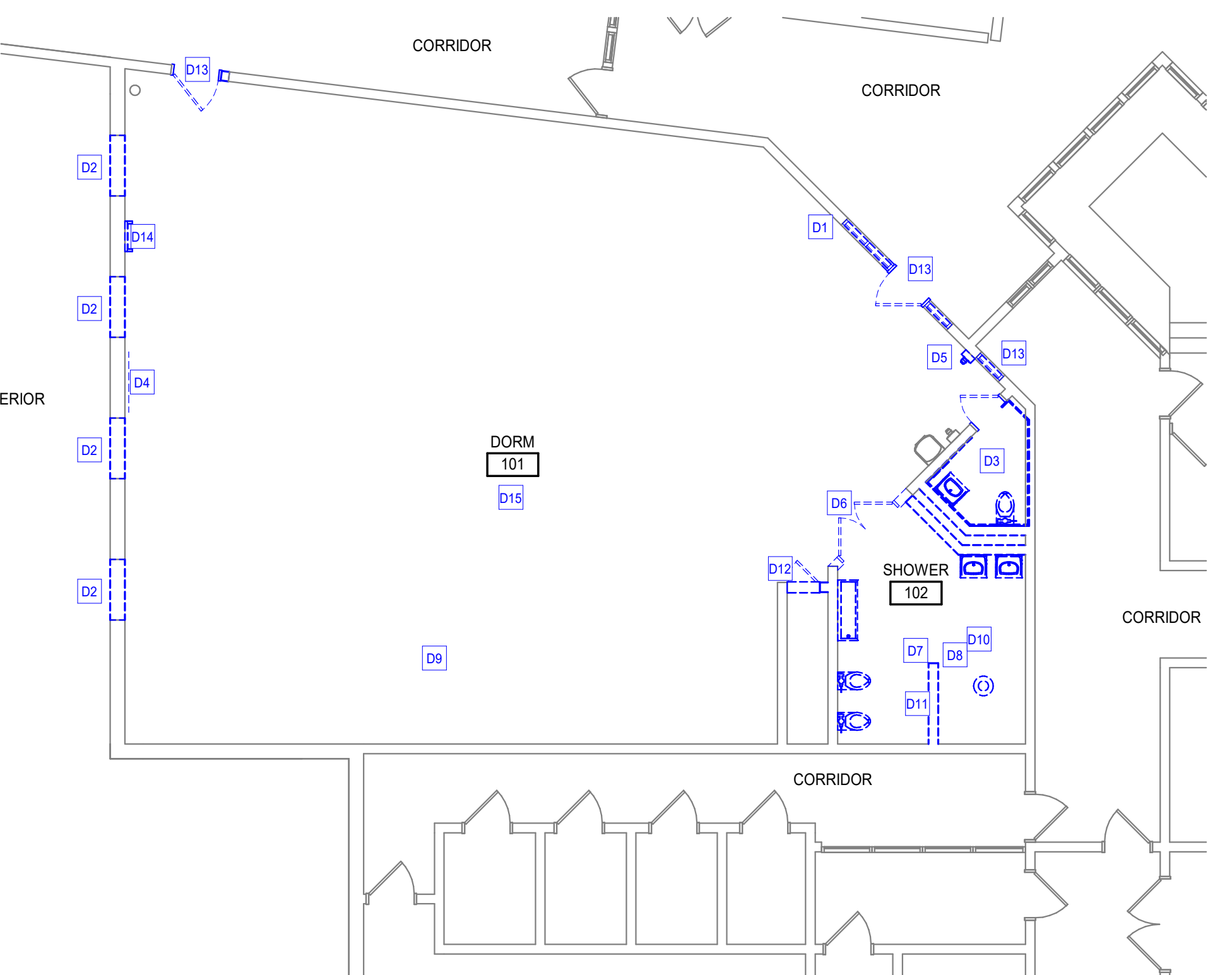
FLOOR PLAN KEYNOTES	
REPRESENTED BY [Symbol]	
APPLIES TO DRAWINGS A2.1 - A2.1n	
7	QUAD-BUNK BED WITH MIDDLE DIVIDER (Q.F.O.I.)
11	FIXED SECURITY WINDOW ABOVE (TYP X4). MOUNT AT SAME ELEVATION AS EXISTING CORRIDOR WINDOWS.
12	12 FOOT TALL, 12-GAUGE STEEL SURROUND @ ROOF DS SECURED TO WALL WITH FASTENERS SPACED 12" O.C. AND TAMPER PROOF SEALANT.
14	4-PERSON DETENTION GRADE FLOOR MOUNTED ACTIVITY TABLE.
15	4-PERSON ACCESSIBLE DETENTION GRADE FLOOR MOUNTED ACTIVITY TABLE.
20	SEAL ALL PENETRATIONS / DAMAGE TO WALL AND CONFIRM WALL IS CONTINUOUS TO UNDERSIDE OF ROOF DECK ABOVE.
22	INSTALL 8" CMU CHASE TO UNDERSIDE OF ROOF DECK ABOVE. CORE THROUGH FLOOR SLAB FOR INSTALLATION OF WORK PER PLUMBING DRAWINGS. ALL PENETRATIONS TO BE FIRE SEALED.
24	FIELD CARPET - PROVIDE VINYL TRANSITION STRIP AND SECURITY CAULK AT BREAK BETWEEN CARPET & RES-A FLOORING
25	EXTENT OF SMOKE COMPARTMENT. SEE FIRE PROTECTION DRAWINGS FOR MORE INFORMATION.

DEMOLITION PLAN LEGEND	
APPLIES TO DRAWINGS A1.2.1 - A1.2.n	
	EXISTING PARTITION/ WALL/ ITEM TO REMAIN
	REMOVE EXISTING PARTITION/WALL/ITEM
	REMOVE EXISTING WINDOW ASSEMBLY AND FRAMING, INCLUDING ANCHORS
	REMOVE EXISTING DOOR AND FRAME ASSEMBLY INCLUDING DOOR HARDWARE, ANCHORS, AND THRESHOLD (WHERE OCCURS).
	REMOVE EXISTING PLUMBING FIXTURE. REFER TO PLUMBING DEMOLITION PLAN FOR ADDITIONAL INFORMATION.
	REMOVE ALL EXISTING FINISH FLOORING AND CEILING PANELS IN AREA

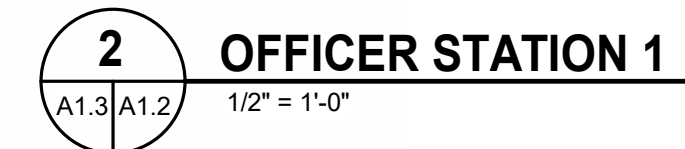
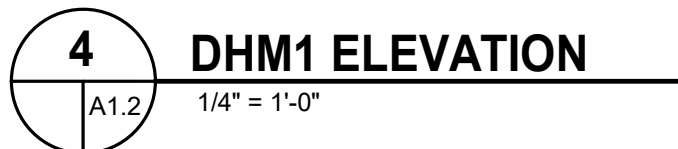
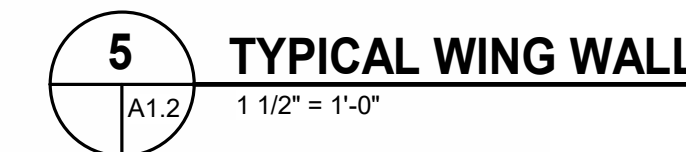
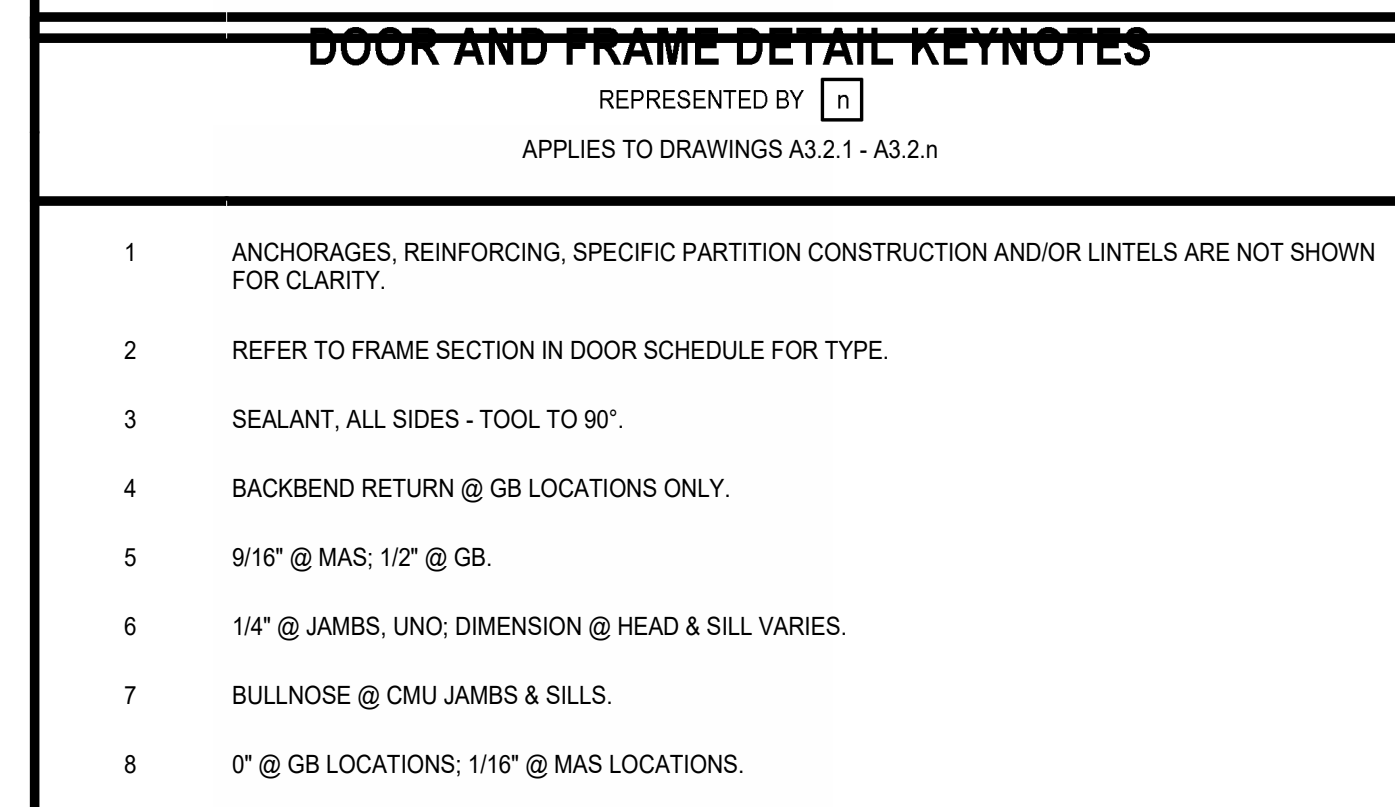
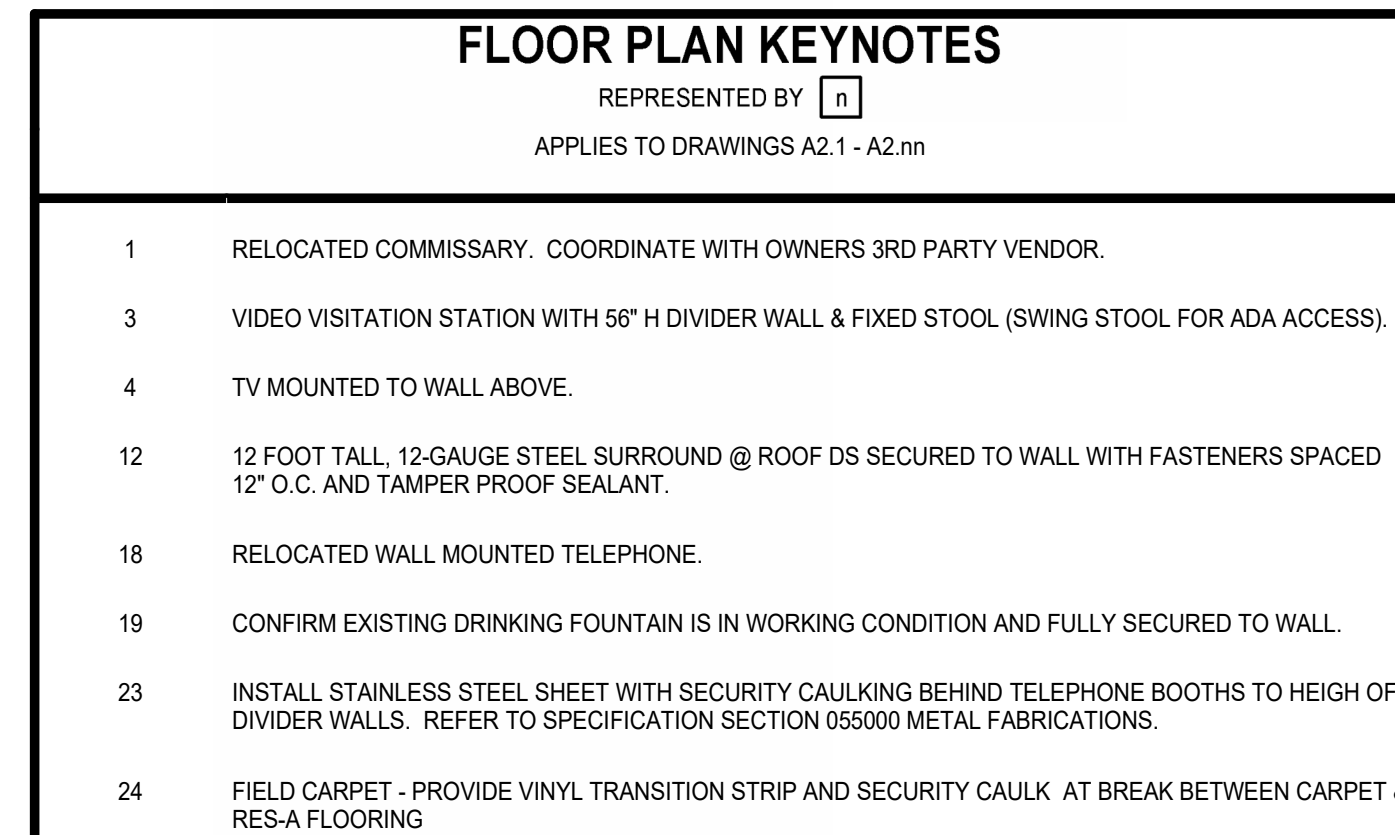
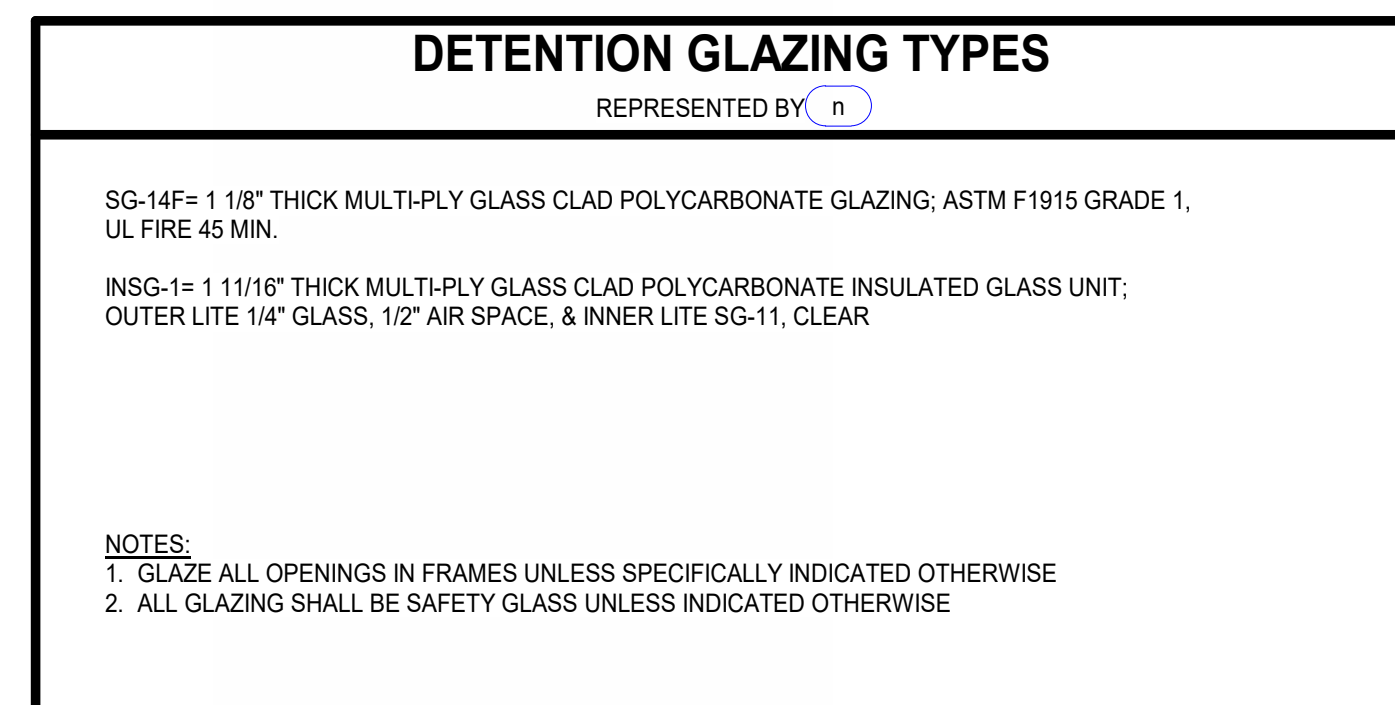
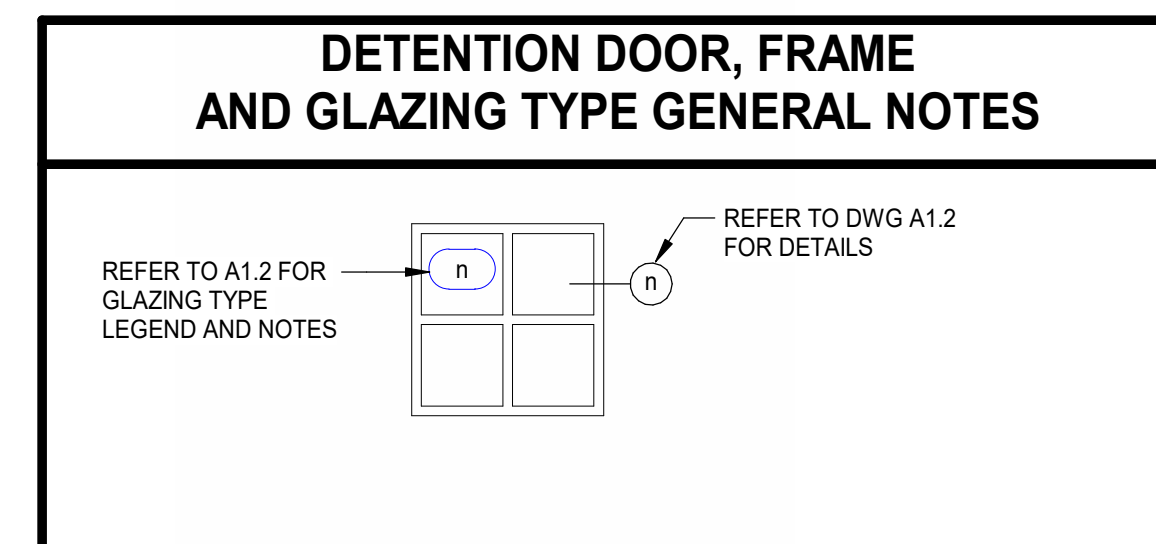
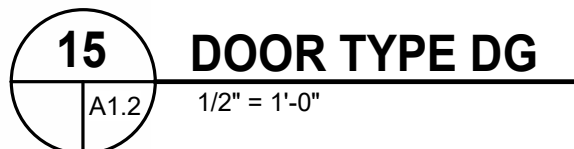
DEMOLITION PLAN GENERAL NOTES	
DA.	REMOVE EXISTING AIR SUPPLY GRILLS.
DB.	REMOVE LOOSE & CHIPPED CEILING PAINT.
DC.	REMOVE CEILING PANELS WITHIN AREA OF SCOPE BOUNDARIES. CEILING GRID TO REMAIN. CONTRACTOR TO NOTIFY ARCHITECT OF ANY ISSUES UNCOVERED THAT REQUIRE SPECIAL ATTENTION, INCLUDING BUT NOT LIMITED TO LEAKS OR ANY ISSUES THAT AFFECT SECURITY.
DD.	EXISTING TILE TO BE FULLY ADHERED TO SUBSTRATE BEFORE RESIN MATERIAL CAN BE INSTALLED OVER TILE. REVIEW RESIN MANUFACTURERS REQUIREMENTS FOR SURFACE PREPARATION.
DE.	REMOVE EXISTING COUNTERTOP SOAP DISPENSERS.
DF.	REMOVE EXISTING ACCESS CEILING PANEL.

DEMOLITION PLAN KEYNOTES	
REPRESENTED BY [Symbol]	
APPLIES TO DRAWINGS A1.2.1 - A1.2.n	
D1	EXISTING LIGHT SWITCHES TO BE RELOCATED TO CORRIDOR SIDE OF WALL.
D2	REMOVE PORTION OF EXTERIOR WALL COMPLETE TO FIT NEW WINDOW PER PLAN (TYP).
D3	REMOVE DOOR CEILING AND WALL/FLOOR TILE COMPLETE. PLUMBING FIXTURES SHALL BE REMOVED AND ALL PLUMBING LINES SHALL BE CAPPED BEHIND WALL OR IN FLOOR.
D4	REMOVE TV AND WALL MOUNT. TERMINATE ELECTRICAL IN JUNCTION BOX WITH SECURE COVER PLATE. STORE UNTIL RELOCATED PER NEW PLAN.
D5	REMOVE WALL MOUNTED TELEPHONE AND PREPARE FOR REINSTALLATION WITH NEW WORK. PATCH AND REPAIR WALL IN PREVIOUS LOCATION.
D6	REMOVE DOUBLE DOORS COMPLETE.
D7	REMOVE WALLS AND PLUMBING FIXTURES COMPLETE. ALL PLUMBING LINES SHALL BE CAPPED BEHIND WALL OR IN FLOOR.
D8	SAWCUT SLAB ON GRADE TO ACCESS BELOW GRADE PLUMBING AS REQUIRED.
D9	REMOVE BASKETBALL GOAL, FRAME, AND LIFT SYSTEM COMPLETE.
D10	DEMOLISH GYPSUM BOARD CEILING AND SUPPORT STRUCTURE COMPLETE.
D11	PARTITION SHALL BE REMOVED COMPLETE AND EXISTING WALL PATCHED AND FINISHED TO MATCH.
D12	DEMOLISH ACCESS HATCH AND END OF CMU WALL SUFFICIENT TO INSTALL EXTENSION IN NEW WORK.
D13	REMOVE EXISTING DOOR/WINDOW, FRAME, AND HARDWARE COMPLETE. PREPARE ROUGH OPENING FOR INSTALLATION OF NEW WORK WHERE SHOWN.
D14	REMOVE WALL MOUNTED COMMISSARY AND PREPARE FOR REINSTALLATION PER A-2.2
D15	DEMO CEILING GRID AND TILES COMPLETE.

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



2 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"





A
B
C
D
E
F
G
H
I
J

12345678910

FINISH SCHEDULE										
NUMBER	NAME	FLOOR	BASE	WALLS				WAINSCOT	CEILING	NOTES
				NORTH	EAST	SOUTH	WEST			
101	DORM	TCF-A1: RES-A	RES-A	EPX PT	EPX PT	EPX PT	EPX PT		HNRC-ACP	
102	SHOWER	SSM	SSM	EPX PT	EPX PT	EPX PT	EPX PT		MATCH CURRENT	
201	STORAGE									

INTERIOR FINISH LEGEND			
SPECIFICATION	DESCRIPTION	MANUFACTURER	PRODUCT - COLOR
SOLID SURFACE MATERIALS			
10000	SSM	CORIAN	EVEREST
ACOUSTICAL CEILINGS			
95100	ACP	ARMSTRONG	1756; WHITE; 15/16 ANGLED TEGULAR
FLUID-APPLIED FLOORING			
96700	RES-A	SHERWIN WILLIAMS	ANVIL
TEXTILE COMPOSITE FLOORING			
96917	TCF-A1	LJ FLOORING	Z FACTOR 1844 - TRIAL 2864
PAINT			
99100	EPX PT A1	SHERWIN WILLIAMS	TOQUE WHITE; FIELD PAINT
99100	EPX PT A3	SHERWIN WILLIAMS	HIGH REFLECTIVE WHITE; CEILING
99100	EPX PT A4	SHERWIN WILLIAMS	DOMINO; TRIM

FINISH SCHEDULE GENERAL NOTES

A. FINISH SCHEDULE DESCRIBES ONLY THE BASIC OR PREDOMINANT SURFACE FINISH.

B. PROVIDE SAME FINISHES AS THE ADJACENT SPACE IN ALCOVES AND CONTINUOUS SPACES WITHOUT DESIGNATED SPACE NUMBERS.

C. CASEWORK FINISHES ARE NOT NOTED IN THE FINISH SCHEDULE. REFER TO CASEWORK ELEVATIONS AND SPECIFICATIONS FOR MATERIALS AND FINISHES.

D. DIRECTIONAL WALL FINISH INDICATORS (NORTH, EAST, SOUTH, WEST) REFER TO THE "PLAN" NORTH ORIENTATION.

E. BULKHEADS AND SOFFITS MAY NOT BE INDICATED IN FINISH SCHEDULES. REFER TO RCP DETAILS, AND OTHER DOCUMENTS FOR EXTENT.

F. PROVIDE CONTINUOUS SEALANT BETWEEN INTERIOR SLAB-ON-GRADE AND VERTICAL ELEMENT WHERE JOINT IS NOT CONCEALED BY FINISH BASE OR OTHER CONSTRUCTION

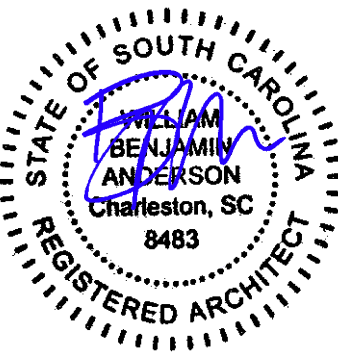
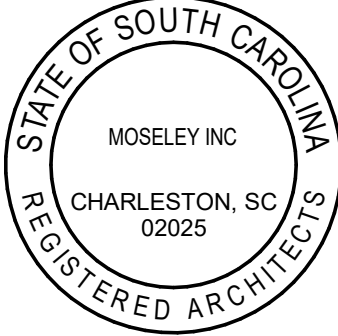
G. REFER TO SPECIFICATIONS FOR INFORMATION ON FINISH FIRE CLASSIFICATION RATING..

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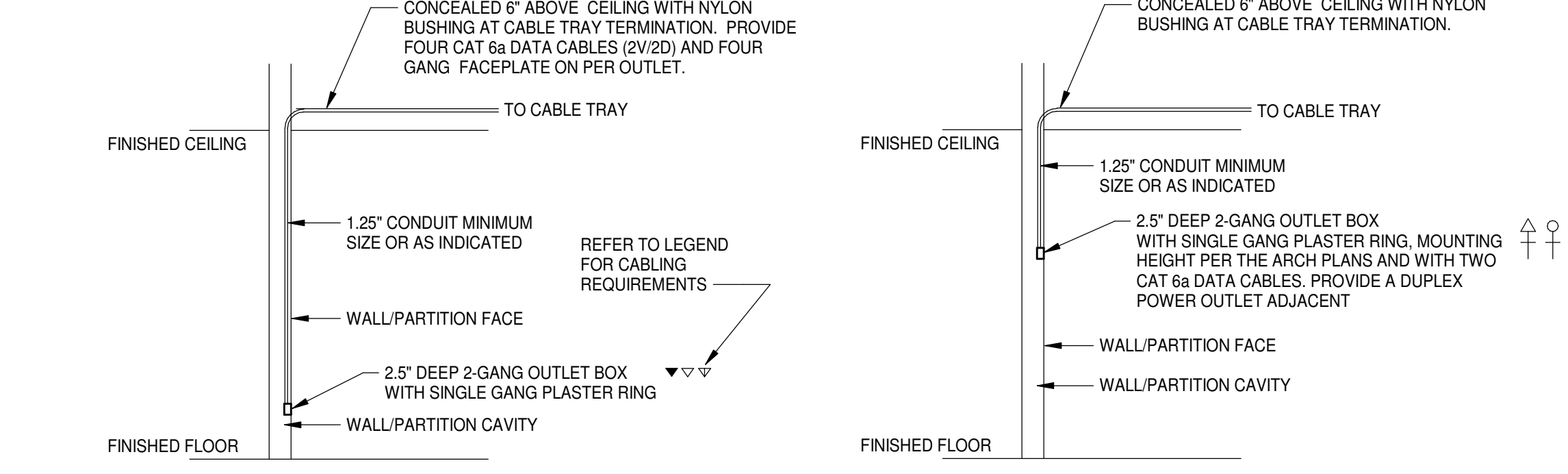
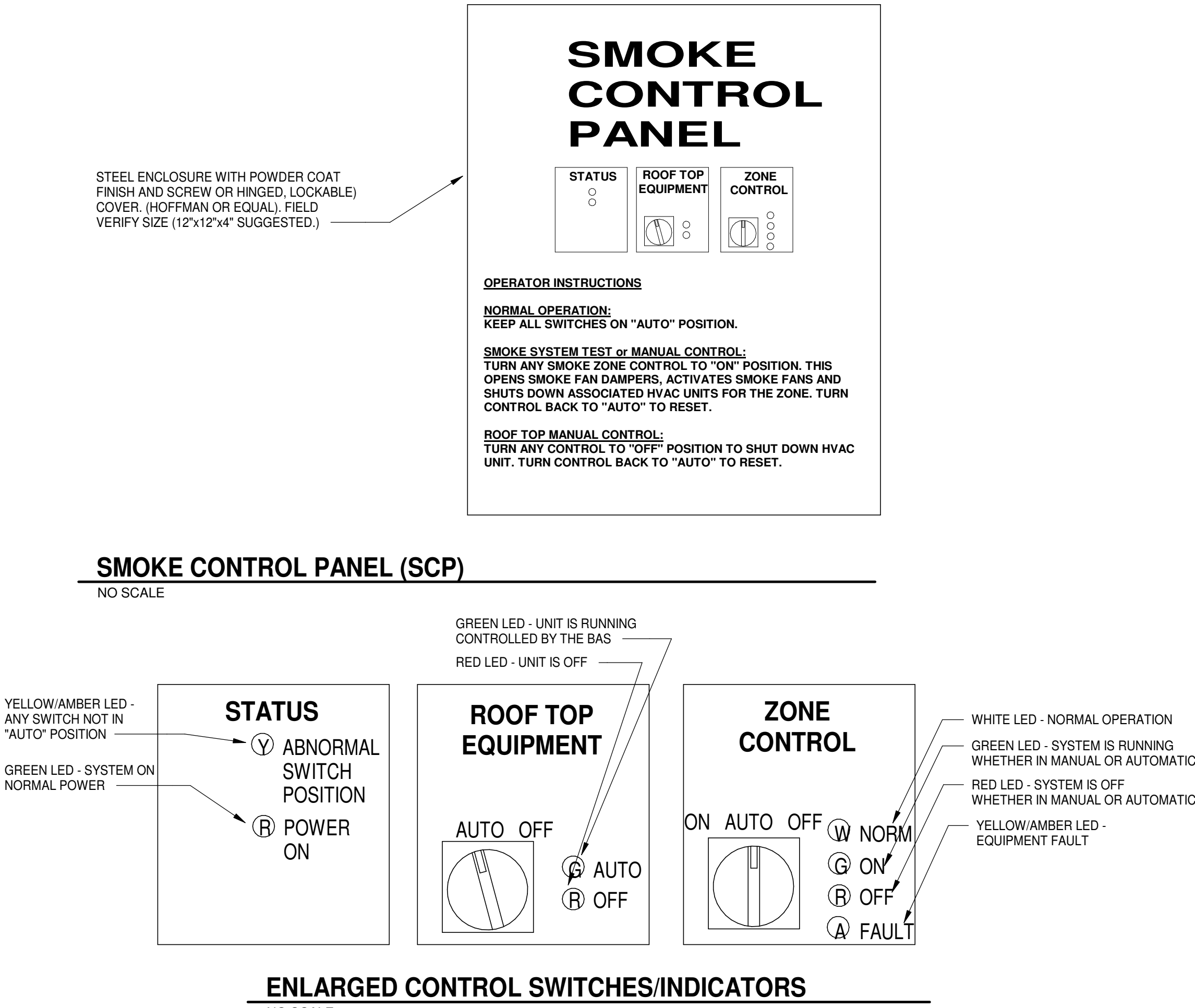
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FINISH SCHEDULE



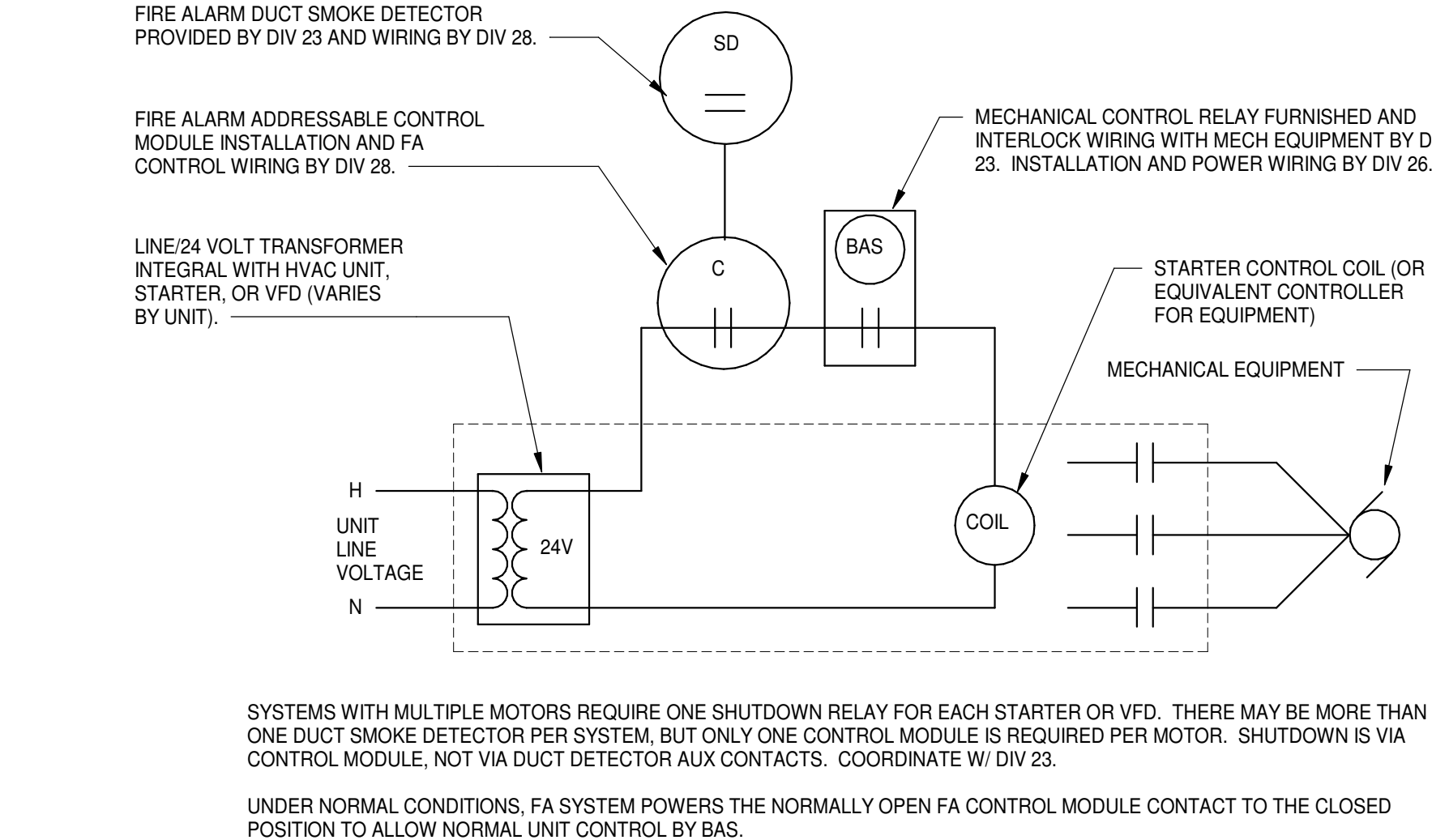
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FIRE ALARM / SMOKE CONTROL MATRIX							
SMOKE ZONE D	ACTIVATION DEVICES		DAMPERS		EQUIPMENT		
	SMOKE DETECTORS	DUCT SMOKE DETECTOR SYSTEM ID TAG(S)	FLOW SWITCH SYSTEM ID TAG(S)	FAN DAMPERS OPEN	SMOKE DAMPERS CLOSE	ON	OFF
	REFER TO PLANS	DSD-D1	FS-D1	D-SSF-D1, D-SEF-D1	FSD-D1, FSD-D2, FSD-D3, FSD-D4	SSF-D1, SEF-D1	EX-RTU-2
GENERAL NOTES: A. DIV 28 SHALL PROVIDE EACH SMOKE SYSTEM FAN WITH FIRE ALARM CONTROL MODULE(S) TO ALLOW 'ON' AND 'OFF' CONTROL. B. DIV 28 SHALL PROVIDE A MONITOR MODULE FOR THE DIFFERENTIAL PRESSURE SWITCH TO CONFIRM OPERATION. FAILURE SHALL CAUSE SUPERVISE CONDITION FOR DEVICE AND ZONE WHEN IN SMOKE MANAGEMENT MODE. C. PROVIDE EACH SMOKE SYSTEM FAN AND SMOKE CONTROL DAMPER WITH POWER DISCONNECTING MEANS (DIV 26), VOLTAGE SENSING RELAY (DIV 26), AND TO CONFIRM POWER AVAILABLE. LOSS OF POWER SHALL CAUSE SUPERVISE CONDITION FOR DEVICE/EQUIPMENT AND SUPERVISE CONDITION FOR DEVICE AND ZONE AT ANY TIME. D. DIV 28 SHALL PROVIDE EACH CONTROL DAMPER WITH FIRE ALARM CONTROL MODULE, FAIL TO INDICATED POSITION. E. DIV 23 SHALL PROVIDE EACH CONTROL DAMPER WITH LIMIT SWITCH. DIV 28 SHALL PROVIDE MONITOR MODULE TO CONFIRM POSITION. FAILURE SHALL CAUSE SUPERVISE CONDITION FOR DEVICE AND ZONE WHEN IN SMOKE MANAGEMENT MODE. F. DIV 28 SHALL PROVIDE MECH EQUIPMENT IN THE 'OFF' COLUMN WITH FIRE ALARM CONTROL MODULE TO SHUT DOWN EQUIPMENT. G. DIV 26 SHALL PROVIDE MECH EQUIPMENT IN THE 'OFF' COLUMN WITH CURRENT SENSING RELAY AT LAST DISCONNECT MEANS, AND FIRE ALARM MONITOR MODULE TO CONFIRM CURRENT IS NOT FLOWING TO EQUIPMENT. PRESENCE OF CURRENT SHALL CAUSE TROUBLE CONDITION FOR EQUIPMENT AND ZONE DURING SMOKE CONTROL MODE. H. DIV 28 SHAL PROVIDE A MANUAL OVERRIDE SWITCH IN CENTRAL CONTROL THAT SHALL CAUSE SMOKE CONTROL SYSTEM OPERATION AS INDICATED FOR A SMOKE DETECTOR IN THE AFFECTED ZONE, BUT SHALL NOT CAUSE ALARM CONDITION TO OCCUR (SUPERVISORY CONDITION SHALL OCCUR IN MANUAL OR OFF MODES). I. DIV 23 SHALL MEASURE AND RECORD THE PRESSURE DIFFERENCE ACROSS EACH DOOR THAT SEPARATES THE SMOKE ZONE FROM ADJACENT ZONES. ADJUST SMOKE CONTROL FANS AS NECESSARY TO ACHIEVE THE FOLLOWING PRESSURE DIFFERENTIAL ACROSS THE BOUNDARIES: MIN PRESSURE DIFFERENTIAL: +0.05 IN. W.C. MAX PRESSURE DIFFERENTIAL: +0.08 IN. W.C. J. DURING SMOKE CONTROL MODE, SMOKE FANS SHALL BE DELAYED 15 SECONDS SO THAT SMOKE CONTROL DAMPERS ARE SUFFICIENTLY OPEN TO PREVENT DEADHEADING OF FANS, TEST THIS OPERATION AND ADJUST DELAY AS REQUIRED. K. MOTORIZED SMOKE CONTROL FAN DAMPERS ARE 120V, 2-POSITION. L. PROVIDE ALL NECESSARY INTERFACE DEVICES AND CONTROLS ON EXISTING EQUIPMENT INDICATED IN THIS MATRIX TO PERFORM FUNCTIONS AS INDICATED.							



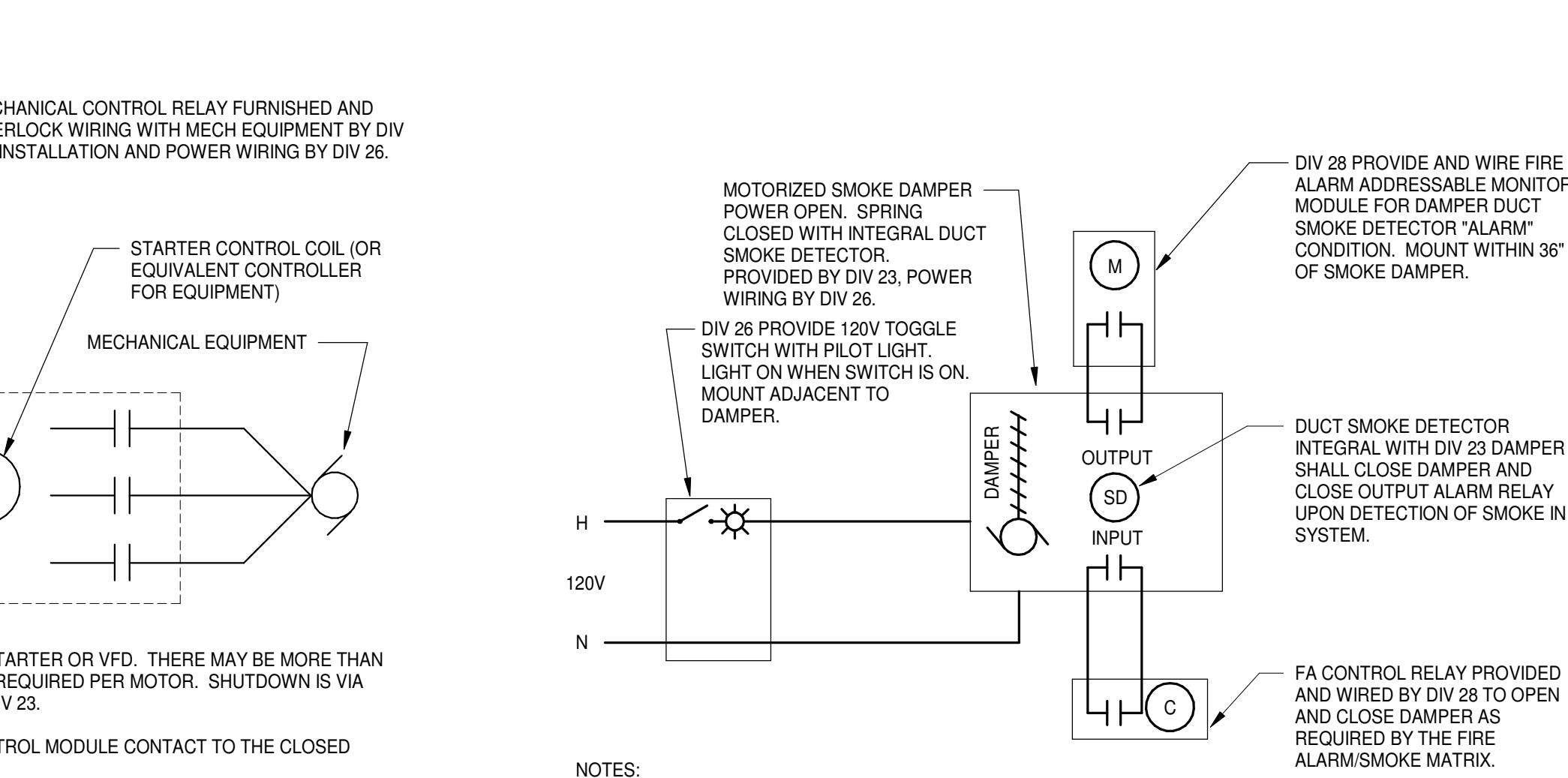
TELECOMMUNICATIONS OUTLET CONDUIT DETAIL

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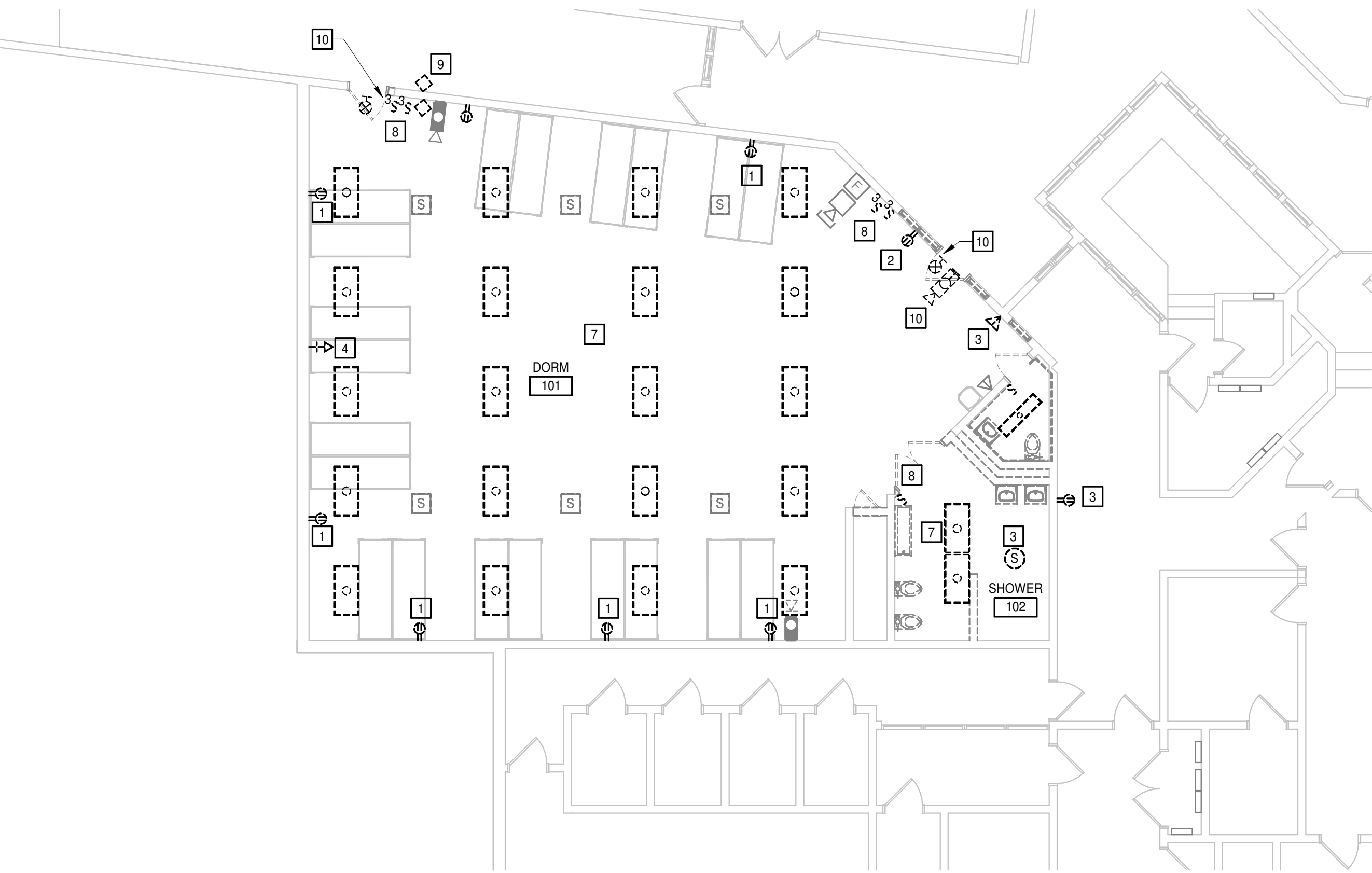


TELEVISION OUTLET CONDUIT DETAIL

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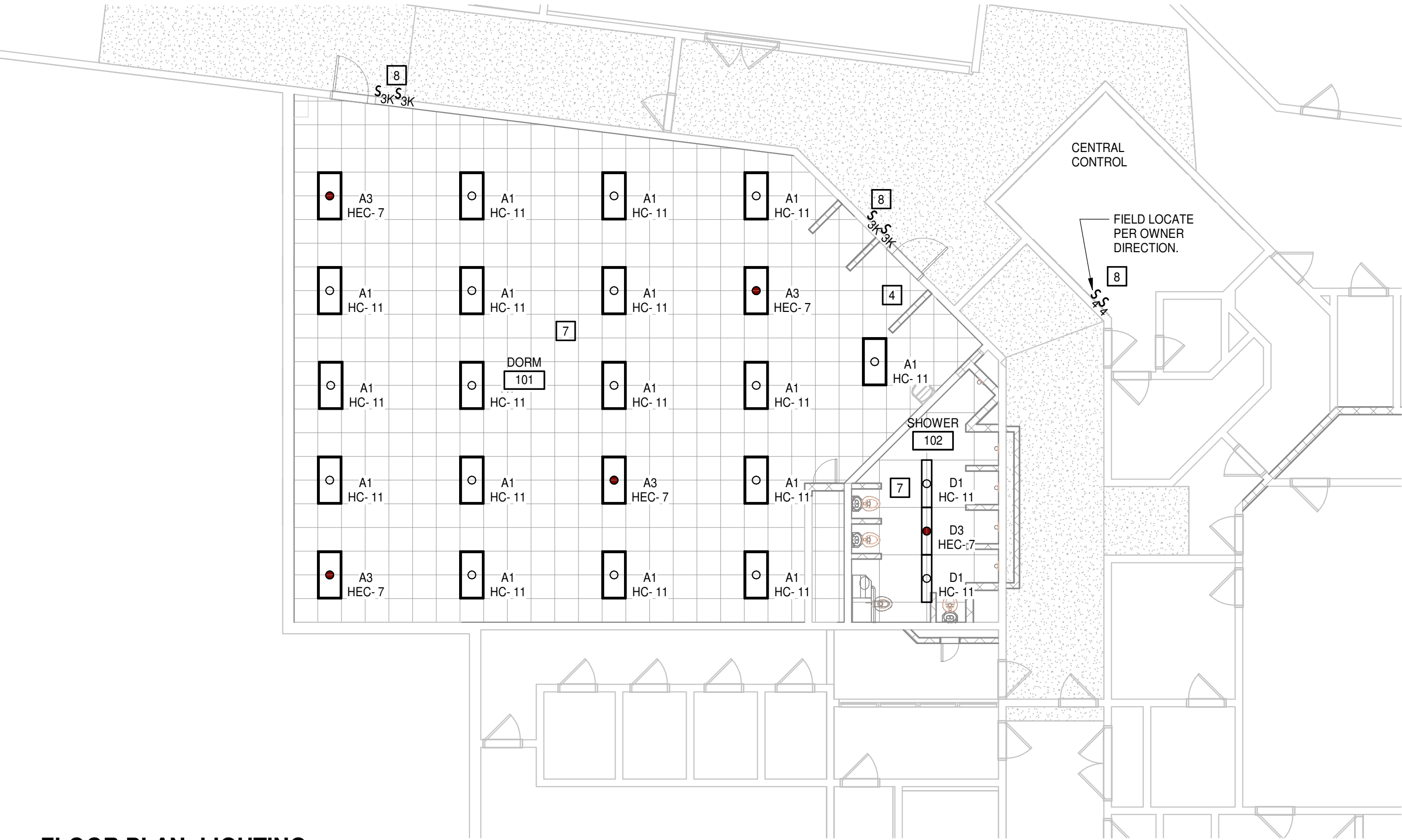


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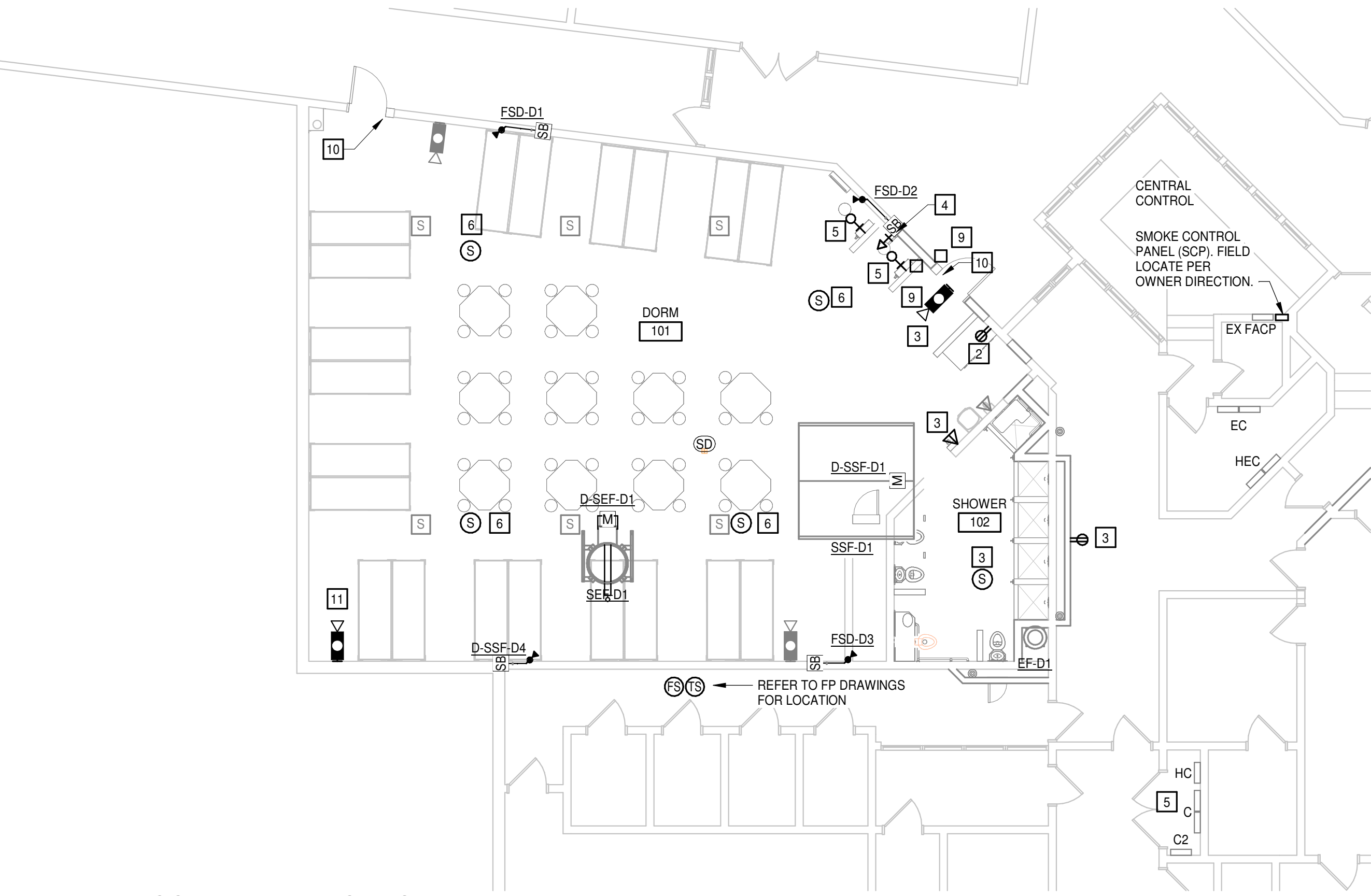
FLOOR PLAN - ELECTRICAL DEMOLITION

1/8" = 1'-0"



FLOOR PLAN - LIGHTING

1/8" = 1'-0"



FLOOR PLAN - ELECTRICAL

1/8" = 1'-0"

LIGHT FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MANUFACTURER	SERIES NO.	VOLTAGE	WATTAGE	LUMENS	TYPE	COLOR TEMP.	MOUNTING	COMMENTS
A1	2X4 VANDAL RESIST LENS	LITHONIA	2VRTL ICW AP250FL	277 V	50	5000 lm	LED	4000 K	RECESSED	PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING
A3	2X4 VANDAL RESIST LENS - EM	LITHONIA	2VRTL ICW AP250FL	277 V	50	5000 lm	LED	4000 K	RECESSED	PROVIDE FLANGE KIT WHEN MOUNTED IN DRYWALL CEILING
D1	4" MAX SECURITY	KENALL	SDSA 4 0/0 2U 1	277 V	45	4500 lm	LED	4000 K	SURFACE	MOUNT WITH TAMPERS PROOF HARDWARE
D3	4" MAX SECURITY	KENALL	SDSA 4 0/0 2U 1	277 V	45	4500 lm	LED	4000 K	SURFACE	MOUNT WITH TAMPERS PROOF HARDWARE

DIV 23 ELECTRICAL CONNECTION SCHEDULE						
TAG	VOLTAGE	# POLES	PANEL	WIRE	DISCONNECTING MEANS	REMARKS
D-SEF-D1	120 V	1	C	2#12.#12G,3/4"	MOTOR RATED SWITCH	PROVIDE 20A/1P BREAKER IN SPACE OF PANEL INDICATED FOR ALL DAMPERS
D-SSF-D1	120 V	1	C	2#12.#12G,3/4"	MOTOR RATED SWITCH	PROVIDE 20A/1P BREAKER IN SPACE OF PANEL INDICATED FOR ALL DAMPERS
D-SSF-D4	120 V	1	C	2#12.#12G,3/4"	MOTOR RATED SWITCH	PROVIDE 20A/1P BREAKER IN SPACE OF PANEL INDICATED FOR ALL DAMPERS
EF-D1	120 V	1	C	2#12.#12G,3/4"	MOTOR RATED SWITCH	PROVIDE 20A/1P BREAKER IN SPACE OF PANEL INDICATED FOR ALL DAMPERS
FSD-D1	120 V	1	C	2#12.#12G,3/4"	MOTOR RATED SWITCH	PROVIDE 20A/1P BREAKER IN SPACE OF PANEL INDICATED FOR ALL DAMPERS
FSD-D2	120 V	1	C	2#12.#12G,3/4"	MOTOR RATED SWITCH	PROVIDE 20A/1P BREAKER IN SPACE OF PANEL INDICATED FOR ALL DAMPERS
FSD-D3	120 V	1	C	2#12.#12G,3/4"	MOTOR RATED SWITCH	PROVIDE 20A/1P BREAKER IN SPACE OF PANEL INDICATED FOR ALL DAMPERS
SEF-D1	480 V	3	HEC	3#10.#10G,3/4"	480V 30A,3P,NEMA 3R STARTER	PROVIDE 30A/3P BREAKER IN SPACE OF PANEL INDICATED
SSF-D1	480 V	3	HEC	3#12.#12G,3/4"	480V 30A,3P,NEMA 3R STARTER	PROVIDE 20A/3P BREAKER IN SPACE OF PANEL INDICATED

REVISIONS

- APPLIES TO THIS DRAWING REPRESENTED BY [1]
- DISCONNECT AND REMOVE EXISTING POWER OUTLET AND ENSURE THE CONTINUITY OF THE EXISTING CIRCUIT. PROVIDE BLANK DETENTION GRADE COVER PLATE, ATTACHED WITH TAMPERS RESISTANT HARDWARE, OVER THE BOX.
 - REMOVE EXISTING ELECTRICAL DEVICE AND REWORK TO LOCATION INDICATED. ENSURE THE CONTINUITY OF THE EXISTING CIRCUIT (CCT C-17 PER AS-BUILT DRAWINGS).
 - RELOCATE EXISTING ELECTRICAL DEVICE AS INDICATED.
 - RELOCATE EXISTING TV COMM OUTLET AS INDICATED. REWORK POWER TO LOCAL RECEPTACLE CIRCUIT (CCT C-17 PER AS-BUILT DRAWINGS).
 - POWER THE VIDEO VISIT STATION FROM THE EXISTING 120V CIRCUIT IN THE AREA FREED BY DEMOLITION (CCT C-19 PER AS-BUILT DRAWINGS). PROVIDE A CAT 6 A DATA CABLE IN 1" CONDUIT TO CENTRAL CONTROL AND TERMINATE PER OWNER DIRECTION.
 - PROVIDE SMOKE DETECTORS IN THIS SPACE AND CONNECT TO THE EXISTING FIRE ALARM SYSTEM. ZONE THE DETECTORS TOGETHER FOR CONTROL OF THE SMOKE CONTROL EQUIPMENT.
 - DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURES IN THIS AREA AND REPLACE WITH TYPES INDICATED ON THE RENOVATION PLANS. UNO, REWORK TO EXISTING CIRCUIT AND CONTROLS
 - REMOVE EXISTING LIGHTING CONTROLS. PROVIDE CONTROLS INDICATED AND REWORK TO LOCATION INDICATED ON THE RENOVATION PLANS.
 - PROVIDE CONDUIT AND BOX TO RELOCATE EXISTING INTERCOM AS INDICATED. MATCH MOUNTING HEIGHT OF EXISTING. PROVIDE DETECTION GRADE BLANK PLATE OVER ANY EXISTING TO REMAIN BOX.
 - REWORK CONDUIT AND BOX INTO NEW WALL FOR EXISTING DOOR LOCKS
 - PROVIDE 3/4" CONDUIT AND BOX TO CONTROL ROOM FOR FUTURE CAMERA. MATCH MOUNTING HEIGHT OF EXISTING CAMERA.

GENERAL NOTES

- A. REPLACE ALL COMMERCIAL GRADE WALL PLATES WITH DETENTION GRADE PLATES ATTACHED WITH TAMPERS RESISTANT HARDWARE.
- B. PROVIDE ADDITIONAL 2-HOLE STRAPPING (DOUBLE THE AMOUNT REQUIRED BY NEC) FOR ANY EXISTING EXPOSED CONDUIT WITHIN 12" OF THE FLOOR.
- C. PROVIDE PROTECTION LOCK COVER OVER EXISTING LIGHTING CONTROLS AND FIRE ALARM DEVICES.
- D. REWORK EXISTING CEILING MOUNTED DEVICES TO REPLACEMENT CEILING AND RECONNECT.
- E. PROVIDE TESTING FOR ANY DEVICE DISCONNECTED AND RECONNECTED
- F. REFER TO THE MECHANICAL DRAWINGS FOR THE OPERATIONAL AND SHUT DOWN SEQUENCE OF THE HVAC EQUIPMENT THAT INTERFACES TO THE FIRE ALARM SYSTEM AND DEVICES.
- G. UPDATE ALL PANEL SCHEDULES
- H. ALL INFORMATION PERTAINING TO EXISTING DEVICE AND CIRCUITS IS OBTAINED FROM AS-BUILT DRAWINGS AND LIMITED FILED INVESTIGATION. FILED VERIFY THE INFORMATION AND ADJUST AS NEEDED

BEAUFORT COUNTY DETENTION CENTER GYM CONVERSION

106 RIBAUT ROAD, BEAUFORT, SC 29902

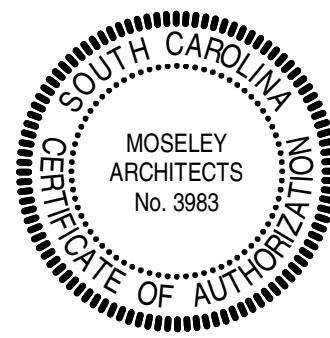
BEAUFORT COUNTY

PROJECT #644482

PROJECT NO: 644482
DATE: JULY 23, 2026
REVISIONS
DATE DESCRIPTION

FLOOR PLAN AND DETAILS

E2.1



Moseley

597 MORRISON DRIVE, SUITE 601 CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYDESIGNS.COM

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ABBREVIATIONS	
@	AT
ABV	ABOVE
ABF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
BLDG	BUILDING
CL	CENTERLINE
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUATION
CORR	CORRIDOR
CR	CLASSROOM
CU	CUBIC
CU FT	CUBIC FEET
DCW	DOMESTIC COLD WATER
DEG	DEGREE(S)
DEMO	DEMOLISH OR DEMOLITION
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DN	DOWN
DP	DRY PIPE
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
E	EAST
ECOH	ELECTRIC CEILING HEATER
EF	EXHAUST FAN
EH-1	EXTRA HAZARD GROUP 1
EH-2	EXTRA HAZARD GROUP 2
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
ET	EXPANSION TANK
ETR	EXISTING TO REMAIN
EWH	ELECTRIC WATER HEATER
EX	EXISTING
EXP	EXPANSION
F	FARENHEIT
FD	FIRE DAMPER
FDC	FIRE DEPARTMENT CONNECTION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHS	FIRE HOSE STATION
FHVC	FIRE HOSE VALVE CABINET
FLR	FLOOR
FP	FIRE PROTECTION
FT	FOOT OR FEET
FVC	FIRE VALVE CABINET
GAL	GALLONS
GPM	GALLONS PER MINUTE
GUH	GAS-FIRED UNIT HEATER
HB	HOSE BIB
HD	HEAD
HORIZ	HORIZONTAL
HP	HORSEPOWER
HW	HOT WATER
ID	INSIDE DIAMETER
IN	INCH
INSUL	INSULATE OR INSULATION
JAN	JANITOR
KIT	KITCHEN
KW	KILOWATT(S)
LAB	LABORATORY
LAV	LAVATORY
LBS	POUNDS
LF	LINEAR FOOT (FEET)
LH	LIGHT HAZARD
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
N	NORTH
NA	NOT APPLICABLE/AVAILABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NO. OR #	NUMBER
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFF	OFFICE
OH-1	ORDINARY HAZARD GROUP 1
OH-2	ORDINARY HAZARD GROUP 2
P	PUMP
PC	PRECAST
PV	POST INDICATOR VALVE
POLY	POLYETHYLENE
PREFAB	PREFABRICATE(D)
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
R	RISER
REF	REFERENCE
REQ	REQUIRED
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
S	SOUTH
SAN	SANITARY
SCH	SCHEDULE
SD	SMOKE DAMPER
SH	SHEET
SIM	SIMILAR
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SPR	SPRINKLER
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
SW	SWITCH
T	TEMPERATURE
TH	THICKNESS
TLT	TOILET
TOSL	TOP OF SLAB
TYP	TYPICAL
UG	UNDERGROUND
UH	UNIT HEATER
UI	UNLESS UNDCATED
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTS
VERT	VERTICAL
VF	VERIFY IN FIELD
W	WEST
WI	WITH
W/O	WITHOUT
WH	WATER HEATER

GRAPHICS SYMBOLS LEGEND

VALVE

GATE VALVE

VALVE IN RISER

CHECK VALVE

SOLENOID VALVE

FLOW SWITCH

PRESSURE REDUCING VALVE

DOUBLE CHECK BACKFLOW PREVENTER

FIRE PROTECTION WET SPRINKLER PIPING

FIRE PROTECTION DRY SPRINKLER PIPING

FIRE EXTINGUISHING GAS PIPING

FIRE PROTECTION DRY SPRINKLER PIPING

UNION

PRESSURE GAUGE WITH GAUGE COCK

PIPE TURNED DOWN

PIPE TURNED UP

PIPE TEE UP

PIPE TEE DOWN

PIPE CAP

PITCH PIPE DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE

FLOW IN DIRECTION OF ARROW

CONCENTRIC PIPE REDUCTION

ECCENTRIC PIPE REDUCTION

PUMP

FIRE DEPARTMENT CONNECTION

PENDANT SPRINKLER HEAD

CONCEALED PENDANT SPRINKLER HEAD

EXTENDED COVERAGE PENDANT SPRINKLER HEAD

CONCEALED EXTENDED COVERAGE PENDANT SPRINKLER HEAD

PENDANT SPRINKLER HEAD WITH GUARD

UPRIGHT SPRINKLER HEAD

EXTENDED COVERAGE UPRIGHT SPRINKLER HEAD

UPRIGHT SPRINKLER HEAD WITH GUARD

SIDEWALL SPRINKLER HEAD

EXTENDED COVERAGE SPRINKLER HEAD

CONCDEALED EXTENDED COVERAGE SIDEWALL SPRINKLER HEAD

EXTINGUISHING AGENT DISCHARGE NOZZLE

COMBINATION AUDIBLE AND STROBE ALARM

MANUAL PULL STATION

ABORT SWITCH

IONIZATION SMOKE DETECTOR

PHOTOELECTRIC SMOKE DETECTOR

INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON LIGHT HAZARD CLASSIFICATION PROVIDING A DENSITY OF 0.10 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.

INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF DRY SPRINKLER HEADS IS BASED ON GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.15 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.

INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON ORDINARY HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.20 GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.

INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF DRY SPRINKLER HEADS IS BASED ON ORDINARY HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.20GPM PER SQUARE FOOT OVER 1500 SQUARE FEET.

INDICATES AREAS OF THE BUILDING THAT WILL REQUIRE ORDINARY HAZARD GROUP 1 ANITFREEZE PROTECTION, BRANCHING FROM THE LINE THAT SERVES THE AREA. REFER TO ANTI-FREEZE DETAIL.

INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 1 CLASSIFICATION PROVIDING A DENSITY OF 0.30 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.

INDICATES AREAS OF THE BUILDING IN WHICH THE SPACING OF HEADS IS BASED ON EXTRA HAZARD GROUP 2 CLASSIFICATION PROVIDING A DENSITY OF 0.40 GPM PER SQUARE FOOT OVER 2500 SQUARE FEET.

POINT OF CONNECTION TO EXISTING

LIMIT OF DEMOLITION

KEYNOTE

SPACE IDENTIFICATION TAG

SPACE NUMBER

BUILDING AREA (WHEN USED)

EQUIPMENT IDENTIFICATION TAG

EQUIPMENT NUMBER

UNIT DESIGNATION

STRUCTURAL GRID LINE WITH DESIGNATION

SECTION WHERE CUT

SECTION LETTER

DRAWING WHERE SECTION IS INDICATED

ENLARGED PLAN WHERE CUT

ENLARGED PLAN NUMBER

DRAWING WHERE ENLARGED PLAN IS INDICATED

DETAIL TAG

DETAIL NUMBER

DRAWING WHERE DETAIL IS INDICATED

DETAIL TITLE

DETAIL NUMBER

DRAWING WHERE DETAIL IS INDICATED

DRAWING WHERE DETAIL IS CUT

ADDITIONAL DRAWING REFERENCES

SECTION TITLE

SECTION LETTER

DRAWING WHERE SECTION IS INDICATED

DRAWING WHERE SECTION IS CUT

ADDITIONAL DRAWING REFERENCES

GENERAL NOTES

THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.

COORDINATE THE LOCATION OF ALL SPRINKLER PIPING WITH THE WORK OF OTHER TRADES. SPRINKLER PIPING SHALL NOT BE INSTALLED WHERE ITS LOCATION INHIBITS ACCESS TO EQUIPMENT ABOVE THE CEILING, FILTER ACCESS OR INFRINGES UPON CLEARANCES DICTATED BY THE NATIONAL ELECTRIC CODE.

VERIFY DIMENSIONS AND ROUTING IN FIELD BEFORE FABRICATION OF PIPING AND FIXTURES.

REFER TO THE LIFE SAFETY PLAN FOR LOCATIONS OF FIRE AND SMOKE SEPARATIONS ASSEMBLIES AND SMOKE COMPARTMENTS.

REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

ADD/ RELOCATE FIRE SPRINKLERS THROUGHOUT SPACE TO ACCOMMODATE RENOVATED WALLS AND CEILING IN ACCORDANCE WITH 2021 SOUTH CARLINA BUILDING CODE, 2019 NFPA 13 AND ALL OTHER REQUIREMENTS SET FORTH BY LOCAL AUTHORITY HAVING JURISDICTION. INSTALLATION DRAWINGS SHALL BE PREPARED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE COMMONWEALTH OF VIRGINIA OR BY A NICET LEVEL III OR IV DESIGNER CERTIFIED IN THE FIELD OF WATER BASED SYSTEMS LAYOUT.

PIPE ALL SYSTEM DRAINS TO AN APPROVED LOCATION ON THE OUTSIDE PERIMETER OF BUILDING. DO NOT DISCHARGE DRAIN INTO A JANITORS SINK WITHOUT APPROVAL FROM PLUMBING ENGINEER.

MOSELEYARCHITECTS

697 MORRISON DRIVE, SUITE 601 CHARLESTON, SC 29403
PHONE (843) 577-5063
MOSELEYARCHITECTS.COM

BEAUFORT COUNTY DETENTION CENTER GYM CONVERSION

PROJECT #644482
BEAUFORT COUNTY
106 RIBAUT ROAD, BEAUFORT, SC 29902

PROJECT NO:	644482
DATE:	JULY 23, 2026
REVISIONS	
DATE	DESCRIPTION

LEGENDS,
ABBREVIATIONS AND
GENERAL NOTES

FP0.1

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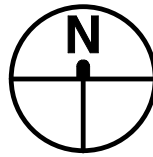
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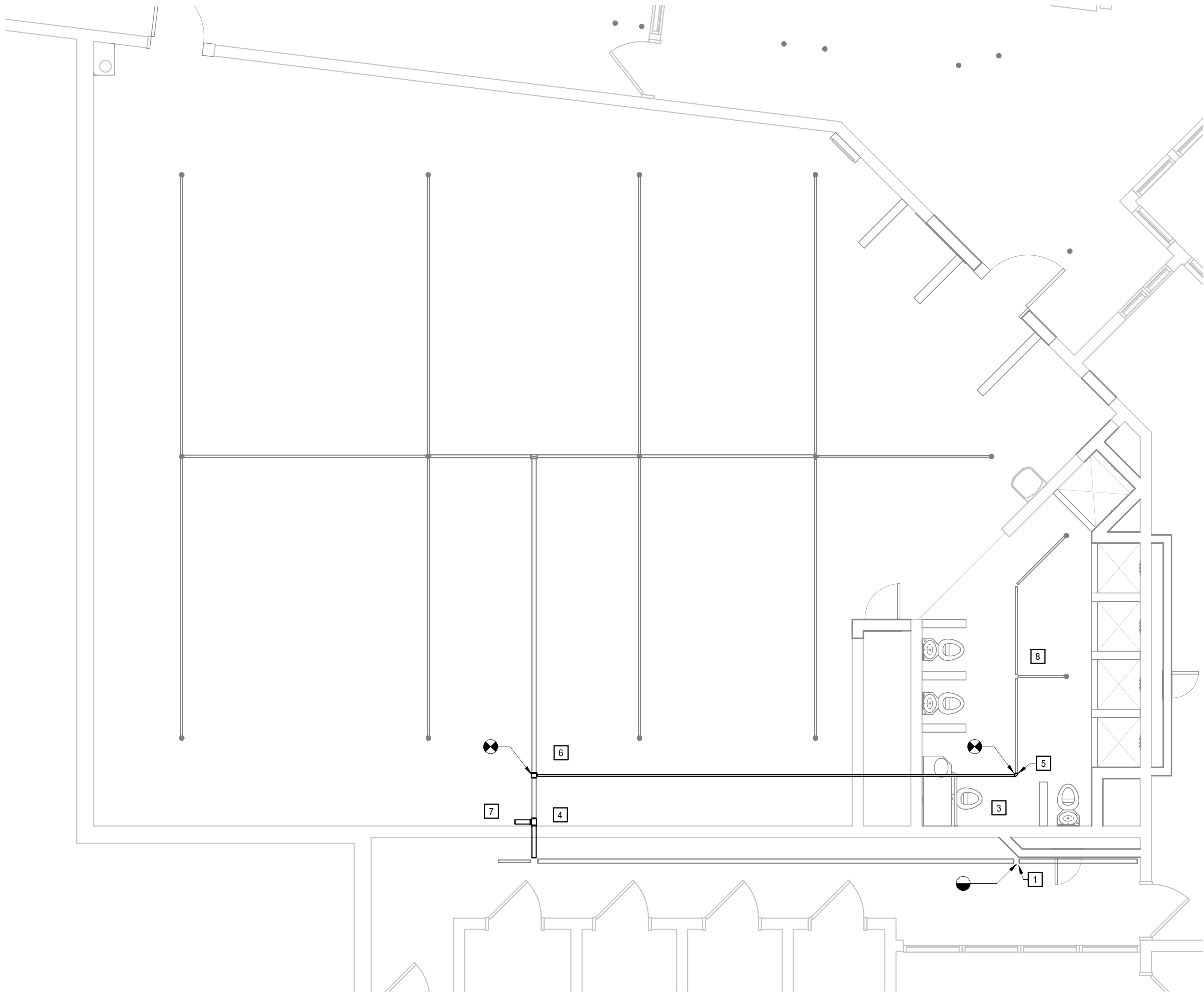
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FIRE PROTECTION FLOOR PLAN

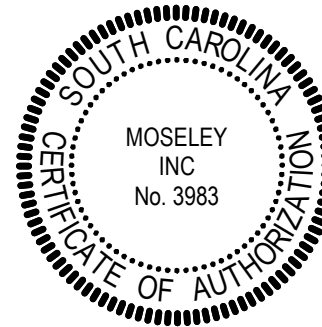
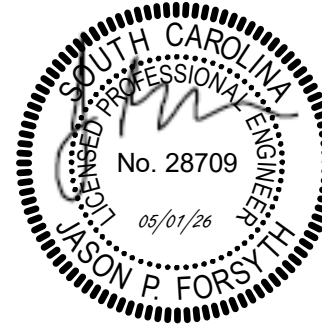
1/4" = 1'-0"



FIRE PROTECTION KEYNOTES

APPLIES TO DRAWINGS FP2.1 - FP2.nn
REPRESENTED BY 

1. REMOVE EXISTING 2½ x 2½ x 1 TEE AT THIS LOCATION.
2. REMOVE EXISTING 2½ x 1½ x 2½ TEE AT THIS LOCATION.
3. REMOVE SECTION OF 1" PIPE AT THIS LOCATION AND PREPARE NEW CONNECTION.
4. REMOVE SECTION OF 2½" PIPE AT THIS LOCATION AND PREPARE FOR NEW CONNECTION.
5. INSTALL NEW 1" ELBOW AT THIS LOCATION.
6. CONNECT NEW 1" PIPING INTO EXISTING 2½" PIPING IN THIS LOCATION. PROVIDE NEW 2½ x 2½ x 1 REDUCING TEE.
7. INSTALL NEW 2½" PIPING IN THIS LOCATION ALONG WITH A 2½" BUTTERFLY VALVE, 2½" CHECK VALVE AND 2½" ZONE CONTROL ASSEMBLY w/ FLOW SWITCH AND 2" DRAIN. ROUTE PIPING FOR DRAIN TO EXTERIOR OF BUILDING.
8. ADD/ RELOCATE FIRE SPRINKLERS IN THIS AREA TO ACCOMMODATE THE RENOVATIONS TO THE WALLS AND CEILINGS PER NFPA 13 REQUIREMENTS AND REGULATIONS. REPLACE FIRE SPRINKLERS IN THIS AREA WITH TYCO RAVEN INSTITUTIONAL TYPE FIRE SPRINKLERS.



BEAUFORT COUNTY DETENTION CENTER GYM CONVERSION

PROJECT #644482
BEAUFORT COUNTY
106 RIBAUT ROAD, BEAUFORT, SC 29902

PROJECT NO:	644482
DATE:	JULY 23, 2026

REVISIONS	
DATE	DESCRIPTION

FLOOR PLAN

FP1.0

MOSELEYARCHITECTS

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PHONE (804) 784-7555 FAX (804) 355-5690
MOSELEYARCHITECTS.COM

EQUIPMENT ABBREVIATION	
AHU	AIR HANDLING UNIT
AS	AIR SEPARATOR
B	BOILER
BCU	BLOWER COIL UNIT
OCC	CLOSED-CIRCUIT COOLING TOWER
CH	CHILLER
CHWP	CHILLED WATER PUMP
CRAC	COMPUTER ROOM AIR CONDITIONER
CT	COOLING TOWER
CUH	CABINET UNIT HEATER
CWP	CONDENSER WATER PUMP
ECH	ELECTRIC CEILING HEATER
ERU	ENERGY RECOVERY UNIT
ERV	ENERGY RECOVERY VENTILATOR
ET	EXPANSION TANK
EUH	ELECTRIC UNIT HEATER
FCU	FAN COIL UNIT
HP	HEAT PUMP
HWP	HOT WATER PUMP
HX	HEAT EXCHANGER
MAU	MAKEUP AIR UNIT
OAU	OUTDOOR AIR UNIT
P	PUMP
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PTHP	PACKAGED TERMINAL HEAT PUMP
RTU	ROOFTOP UNIT
SSI	SPLIT-SYSTEM INDOOR UNIT
SSO	SPLIT-SYSTEM OUTDOOR UNIT
TU	TERMINAL UNIT
UH	UNIT HEATER
WSHP	WATER-SOURCE HEAT PUMP

CONTROLS ABBREVIATIONS	
AF	AIRFLOW
AI	ANALOG INPUT TO CONTROLLER
ALM	ALARM
AMS	AIRFLOW MEASURING STATION
AO	ANALOG OUTPUT FROM CONTROLLER
ATS	AVERAGING TEMPERATURE SENSOR
BAS	BUILDING AUTOMATION SYSTEM
BI	BINARY INPUT TO CONTROLLER
BO	BINARY OUTPUT FROM CONTROLLER
CO2	CARBON DIOXIDE SENSOR
CSR	CURRENT-SENSING RELAY
DM	DAMPER MOTOR
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
FM	FLOW METER
FZ	FREEZESTAT
HS	HUMIDITY SENSOR
POS	POSITION
R	RELAY
SD	SMOKE DETECTOR
SPD	SPEED
SS	START/STOP
STS	STATUS
TS	TEMPERATURE SENSOR
VFD	VARIABLE-FREQUENCY DRIVE

CONTROL SYMBOL LEGEND			
	CIRCULATOR OR PUMP		NORMALLY OPEN CONTACT
	MOTORIZED 2-WAY VALVE		NORMALLY CLOSED CONTACT
	MOTORIZED 3-WAY VALVE		WIRING OR DEVICE PROVIDED UNDER DIVISION 23
	VARIABLE FREQUENCY DRIVE		WIRING CONNECTION BY DIVISION 23
	DIRECT DIGITAL CONTROLLER		WIRING CONNECTION BY OTHERS
	THERMOSTAT		NUMBER OF CONDUCTORS INDICATED BY SLASH MARKS
	FREEZESTAT		MOTORIZED PARALLEL BLADE DAMPER
	CONTACTOR		MOTORIZED OPPOSED BLADE DAMPER
	RELAY		MOTORIZED BUTTERFLY BLADE DAMPER
	SPACE TEMPERATURE SENSOR		SUPPLY, RETURN, OR EXHAUST FAN
	LINE VOLTAGE THERMOSTAT		AIRFLOW DIRECTION
	HAND-OFF-AUTOMATIC SWITCH		CONTROL POINT INDICATOR INPUT OR OUTPUT (ANALOG INPUT)
	DUCT-MOUNTED SMOKE DETECTOR		DEVICE TYPE (AIR TEMPERATURE SENSOR WITH AVERAGING ELEMENT)
	TRANSFORMER		CONTROL POINT INDICATOR INPUT OR OUTPUT (ANALOG INPUT)
	FUSE		DEVICE TYPE (WATER TEMPERATURE SENSOR WITH BULB TYPE ELEMENT IN PIPING WELL)
			CONTROL POINT INDICATOR INPUT OR OUTPUT (ANALOG INPUT)
			DEVICE TYPE (CURRENT SENSING RELAY)

ABBREVIATIONS	
A	AMPERE(S)
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
APD	AIR PRESSURE DROP
BHP	BRAKE HORSEPOWER
BTUH	BRITISH THERMAL UNITS PER HOUR
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	COOLING
COM	COMMON
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	DRAIN
DB	DRY BULB TEMPERATURE
dBA	A-WEIGHTED DECIBELS
DCW	DOMESTIC COLD WATER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENCY RATIO
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
EWI	ENTERING WATER TEMPERATURE
EX	EXISTING
F	DEGREES FAHRENHEIT
FC	FAIL CLOSED
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FO	FAIL OPEN
FPM	FEET PER MINUTE
FT	FOOT, FEET
GA	GAUGE
GAL	GALLON(S)
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HTG	HEATING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
IN	INCH
PLV	INTEGRATED PART-LOAD VALVE
KW	KILOWATT(S)
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MOD	MOTOR-OPERATED DAMPER
NC	NORMALLY CLOSED (FOR PLANS, DETAILS)
NC	NOISE CRITERIA (FOR SCHEDULES)
NO	NOT IN CONTRACT
NO	NORMALLY OPEN
OA	OUTSIDE AIR
OC	ON CENTER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PH	PHASE
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	REFRIGERANT DISCHARGE
RH	RELATIVE HUMIDITY
RL	REFRIGERANT LIQUID
RPM	REVOLUTIONS PER MINUTE
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATIO
TD	TRANSFER DUCT
TYP	TYPICAL
UNO	UNLESS NOTED (INDICATED) OTHERWISE
V	VOLTAGE, VOLTS
VD	VOLUME DAMPER
VFD	VARIABLE-FREQUENCY DRIVE
VIF	VERIFY IN FIELD
W	WATT(S)
W	WITH
WO	WITHOUT
WB	WET BULB TEMPERATURE
WC	WATER COLUMN
WPD	WATER PRESSURE DROP
WWM	WELDED WIRE MESH

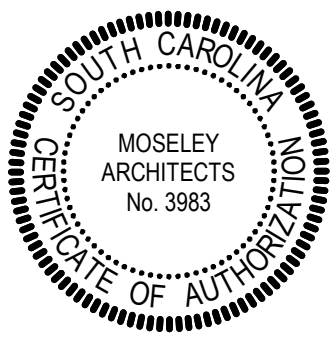
GRAPHIC SYMBOL LEGEND	
	SPACE TAG SPACE NAME SPACE NUMBER BUILDING PART NUMBER IN MULTI-PART BUILDING
	EQUIPMENT TAG EQUIPMENT NUMBER EQUIPMENT ABBREVIATION
	DIFFUSER, GRILLE OR REGISTER TAG TAG, REFER TO DIFFUSER, GRILLE AND REGISTER SCHEDULE
	DETAIL TAG DETAIL NUMBER DRAWING WHERE DETAIL IS INDICATED
	KEYNOTE
	STRUCTURAL GRID LINE WITH DESIGNATION
	EXISTING TO BE REMOVED
	SECTION TITLE SECTION NUMBER DRAWING WHERE SECTION IS INDICATED DRAWING WHERE SECTION IS REFERENCED ADDITIONAL DRAWING REFERENCES
	SECTION CALLOUT SECTION NUMBER DRAWING WHERE SECTION IS INDICATED
	ENLARGED PLAN CALLOUT ENLARGED PLAN NUMBER DRAWING WHERE ENLARGED PLAN IS INDICATED
	MECHANICAL EQUIPMENT WITH REQUIRED SERVICE CLEARANCE INDICATED

DUCTWORK LEGEND	
	RECTANGULAR DUCT (FIRST DIMENSION REFERS TO SIDE VIEWED)
	ROUND DUCT SIZE
	FLAT OVAL DUCT SIZE
	DOUBLE WALL, EXPOSED DUCT
	FABRIC DUCT
	FLEXIBLE DUCTWORK
	FLEXIBLE CONNECTOR
	DUCT-MOUNTED SMOKE DETECTOR
	DUCT WITH DUCT LINER
	DUCT ACCESS DOOR
	DUCT WITH END CAP
	LINEAR SLOT DIFFUSER, LENGTH AS INDICATED
	LINEAR BAR GRILLE, LENGTH AS INDICATED
	SUPPLY DIFFUSER
	RETURN OR EXHAUST GRILLE
	SUPPLY DIFFUSER WITH DIRECTIONAL BLOW, SOLID HATCH INDICATES BLANK OFF PANEL
	POINT OF CONNECTION TO EXISTING
	LIMIT OF DEMOLITION
	SUPPLY AIRFLOW ARROW
	RETURN OR EXHAUST AIRFLOW ARROW
	DOOR UNDERCUT
	DOOR LOUVER
	SENSOR WELL
	MANUAL BALANCING DAMPER IN DUCT
	FIRE DAMPER IN DUCT
	SMOKE DAMPER IN DUCT
	COMBINATION FIRE/SMOKE DAMPER IN DUCT
	FIRE DAMPER WITH SECURITY BARS IN DUCT
	SMOKE DAMPER WITH SECURITY BARS IN DUCT
	COMBINATION FIRE/SMOKE DAMPER WITH SECURITY BARS IN DUCT
	MOTORIZED DAMPER IN DUCT
	SMOKE CONTROL MANUAL BALANCING DAMPER IN DUCT
	SMOKE CONTROL MOTORIZED DAMPER IN DUCT
	SECURITY BARS IN DUCT
	DUCT WITH ACCESS PANEL
	SUPPLY/MAKEUP AIR DUCT SECTIONS
	RETURN AIR DUCT SECTIONS
	EXHAUST AIR DUCT SECTIONS
	SMOKE DETECTOR
	HUMIDITY SENSOR
	THERMOSTAT, LINE VOLTAGE
	THERMOSTAT, LOW VOLTAGE
	TEMPERATURE SENSOR
	CARBON DIOXIDE SENSOR
	CARBON MONOXIDE SENSOR

PIPING LEGEND	
	END OF LINE CLEANOUT PLUG
	CLEANOUT PLUG
	PRESSURE GAUGE WITH GAUGE COCK
	LIQUID FILLED THERMOMETER
	UNION
	STRAINER WITH BLOWDOWN VALVE AND 3/4" HOSE END CONNECTION
	FLEXIBLE PIPE CONNECTOR
	MANUAL AIR VENT
	VALVE
	MANUAL BALANCING VALVE WITH FLOW TAPS
	AUTOMATIC BALANCING VALVE WITH FLOW TAPS
	SWING CHECK VALVE
	PRESSURE REDUCING VALVE
	TRIPLE DUTY VALVE
	GAS COCK
	PRESSURE-RELIEF VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	DIRECTION OF FLOW

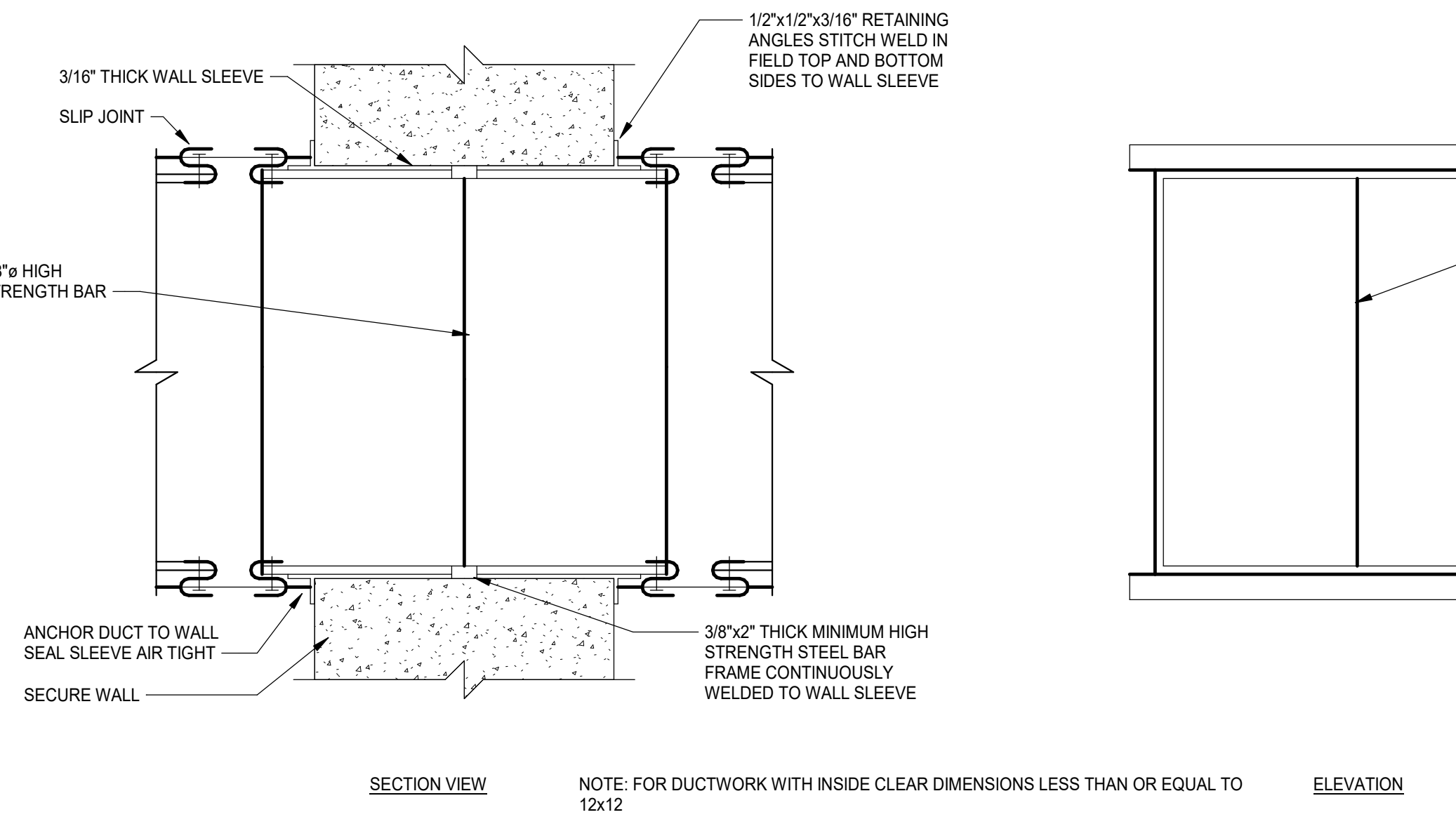
GENERAL NOTES	
A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.	G. PROVIDE TRAPPED DRAIN PIPING FROM DRAIN PANS OF ALL COOLING COILS, FANS AND OTHER ACTIVE DRAINS EXPOSED TO SYSTEM AIRSTREAM. PROVIDE TRAP AT CONNECTION WITH WATER SEAL DEPTH ONE INCH GREATER THAN UNIT OPERATING PRESSURE. DIRECT DRAINS TO NEAREST FLOOR DRAIN, MOP SINK, OR OTHER LOCATION APPROVED BY THE ARCHITECT.
B. DRAWINGS ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. DO NOT SCALE DRAWINGS. LOCATIONS OF ALL ITEMS INDICATED ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE. COORDINATE CONTRACT DOCUMENTS PROJECT REQUIREMENTS, WORK OF OTHERS, AND EQUIPMENT AND MATERIALS PURCHASED WITH FIELD DIMENSIONS. MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, OPERATION, AND MAINTENANCE. CONTRACTOR'S INTENDED MEANS AND METHODS OF INSTALLATION, AND CONTRACTOR'S FABRICATED ITEMS TO ENSURE A PROPER FIT AND INSTALLATION.	H. INSTALL PIPING, DUCTWORK, AND CONDUIT CONCEALED IN AREAS HAVING CEILINGS AND/OR FURRED SPACES UNLESS OTHERWISE INDICATED.
C. MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITIONS AT ALL POINTS, WHERE HEADROOM AND SPACE CONDITIONS APPEAR INADEQUATE, NOTIFY THE ARCHITECTS PRIOR TO PROCEEDING WITH INSTALLATION. MAINTAIN A MINIMUM OF 7'-0" CLEARANCE ABOVE FINISHED FLOOR TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS.	I. ALL EQUIPMENT, VALVES, DAMPERS, DAMPER AND VALVE OPERATORS SHALL BE PROVIDED WITH ADEQUATE ACCESS FOR SERVICING, MAINTENANCE, AND REPLACEMENT.
D. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION. MAKE MODIFICATIONS IN THE LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF THE WORK.	J. SIZE ALL SPLIT-SYSTEM REFRIGERANT PIPING IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
E. INSTALL ALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS.	K. DUCT DIMENSIONS MAY BE MODIFIED ONLY WITH PRIOR APPROVAL FROM ARCHITECT. DUCT DIMENSIONS ARE IN INCHES AND INSIDE CLEAR.
F. COORDINATE LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS WITH ALL OTHER TRADES. COORDINATE ALL PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURE WITH GENERAL CONSTRUCTION WORK.	L. FOR LOCATION OF REGISTERS, GRILLES, AND DIFFUSERS WITHIN CEILING GRID, REFER TO ARCHITECTURAL REFLECTED CEILING PLANS.
	M. ELEVATION INDICATED FOR RECTANGULAR DUCT, GRILLE AND LOUVER OPENINGS IS TO THE TOP OF ROUGH OPENING UNLESS OTHERWISE INDICATED. ELEVATION INDICATED FOR ROUND DUCTWORK AND PIPING IS TO CENTERLINE.
	N. BRANCH PIPING RUNOUTS TO TERMINAL UNITS SHALL BE 3/4" DIAMETER UNLESS INDICATED OTHERWISE.
	O. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BAR JOISTS.

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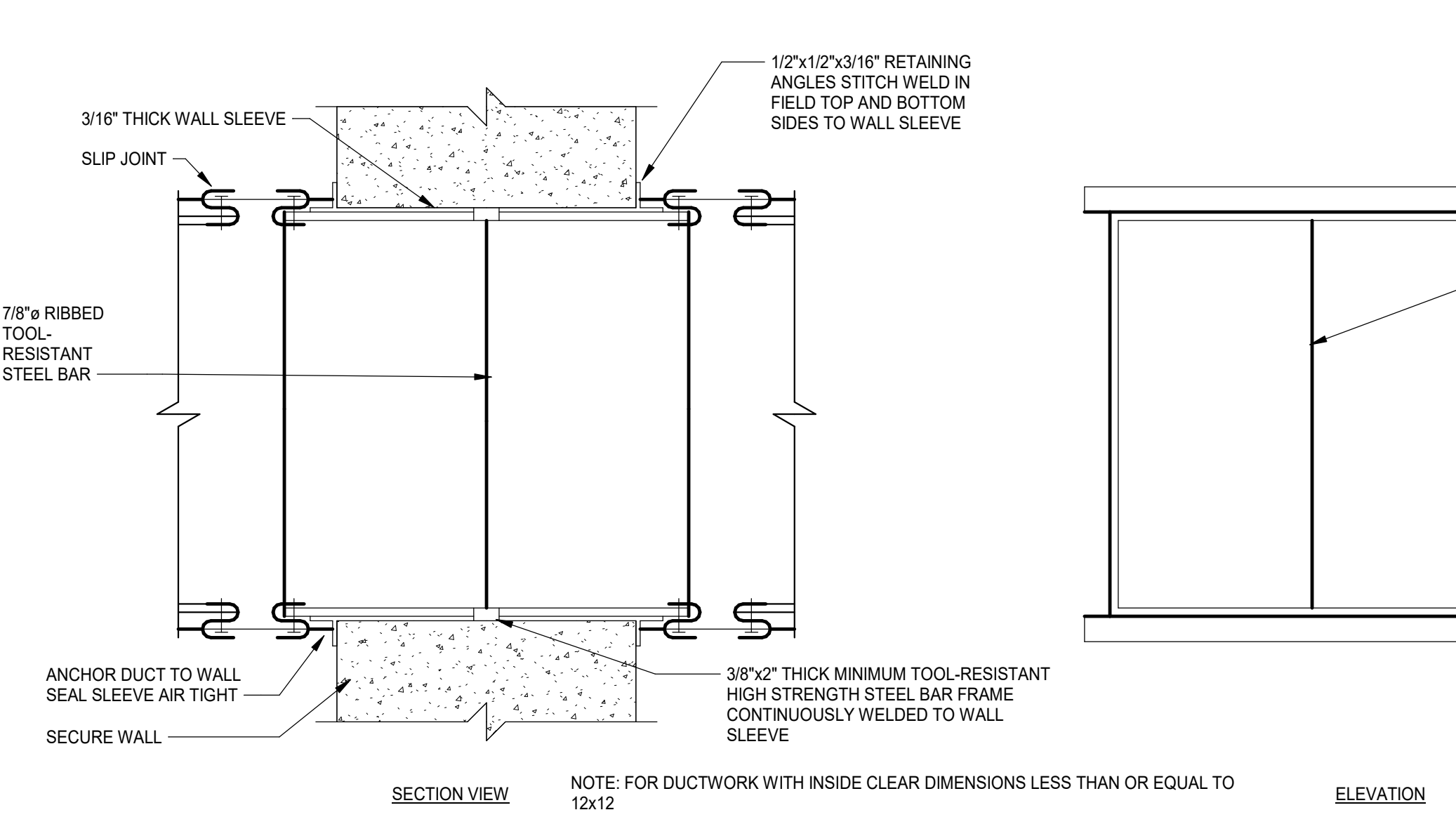


J
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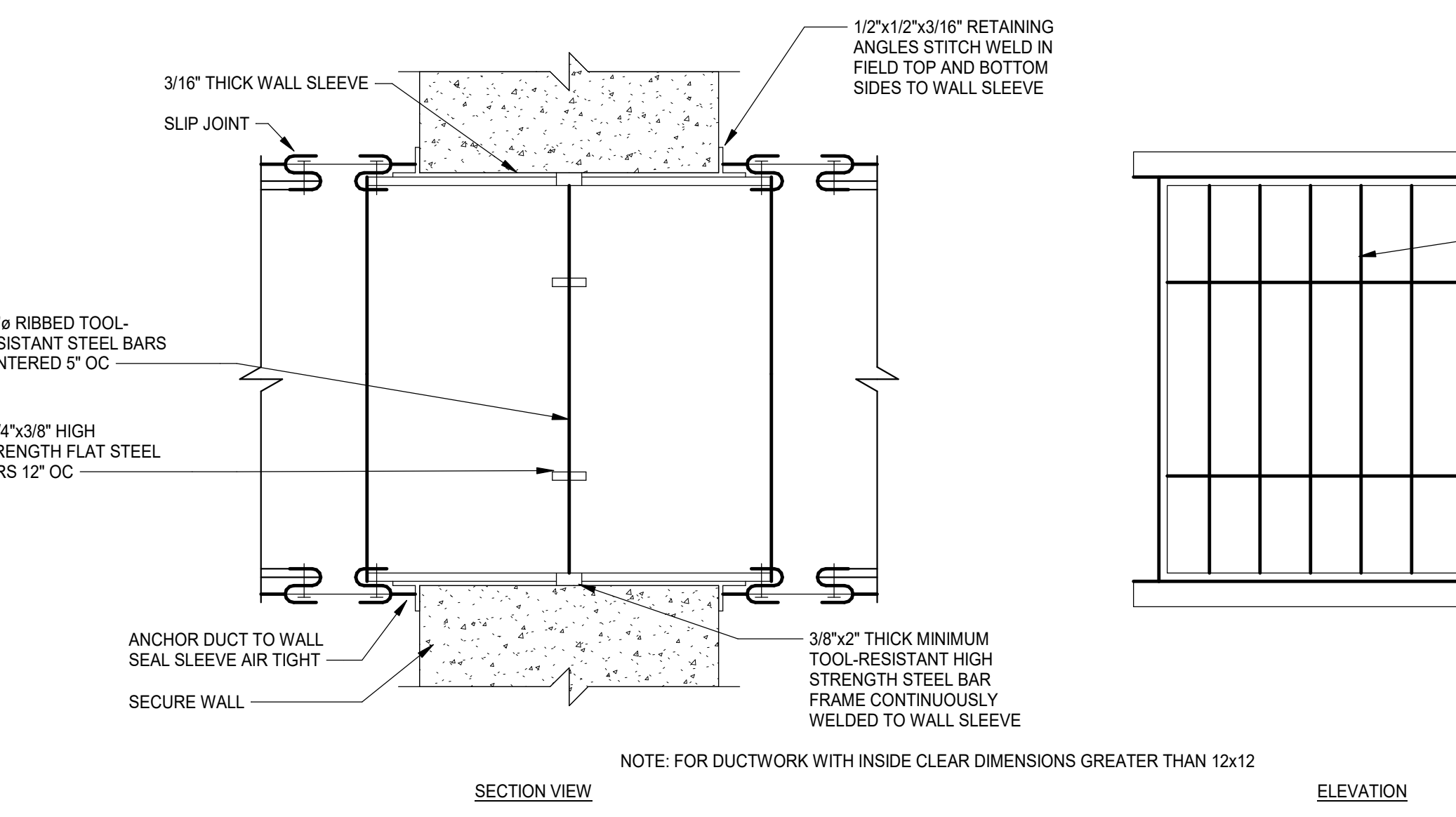
INTERIOR SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - LARGE



INTERIOR SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - SMALL

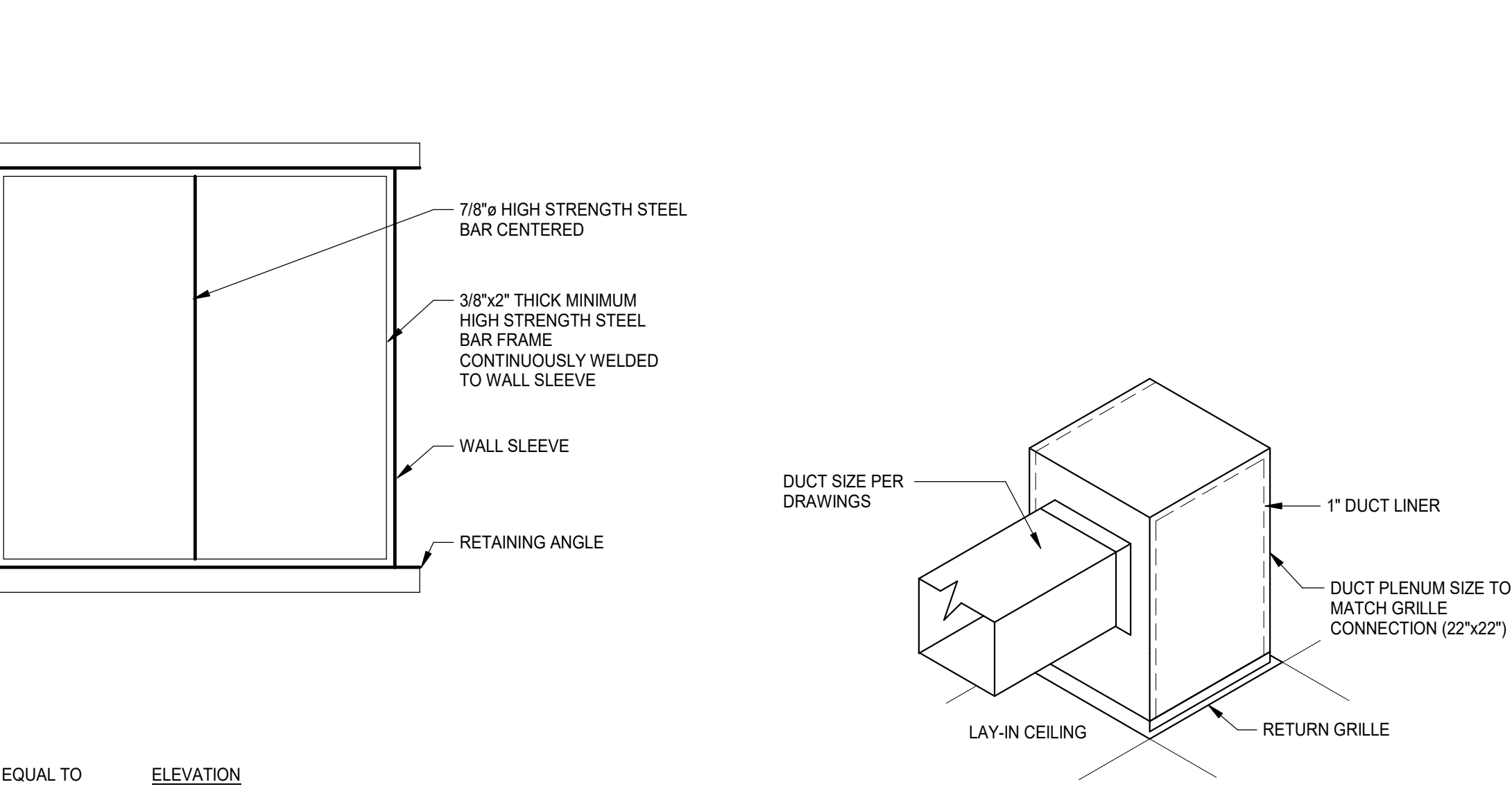


PERIMETER SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - SMALL

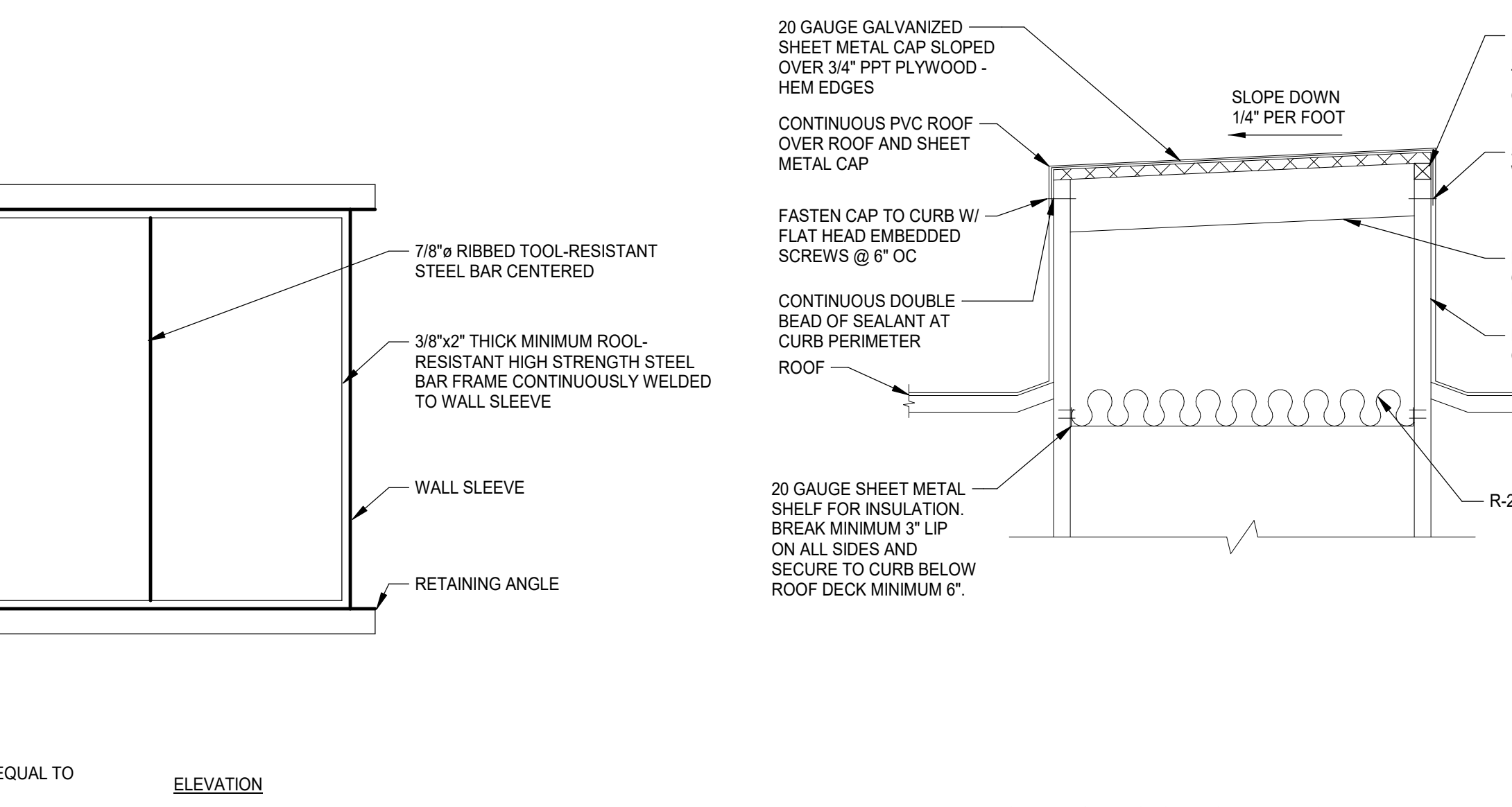


PERIMETER SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - LARGE

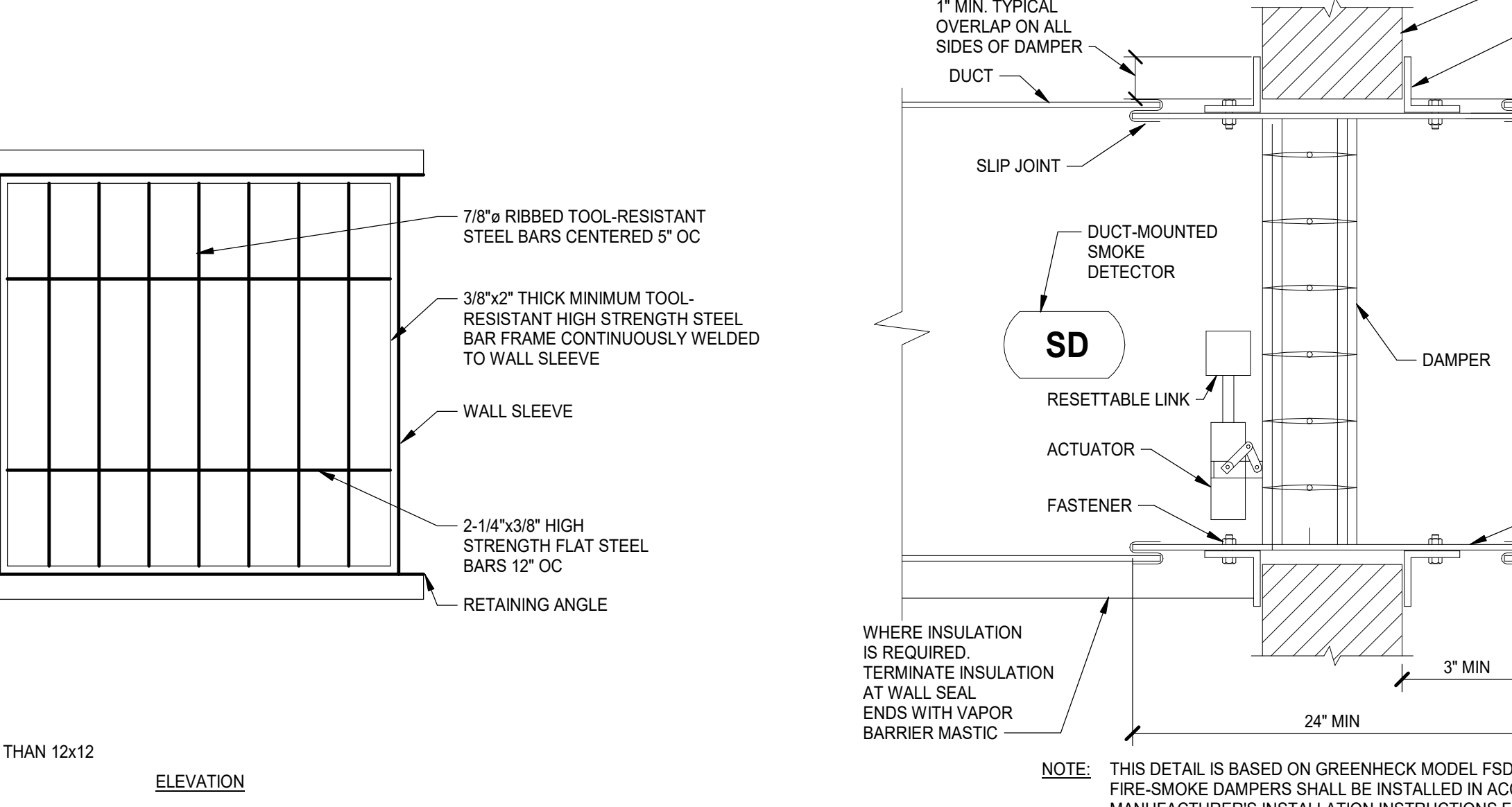
INTERIOR SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - LARGE



INTERIOR SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - SMALL



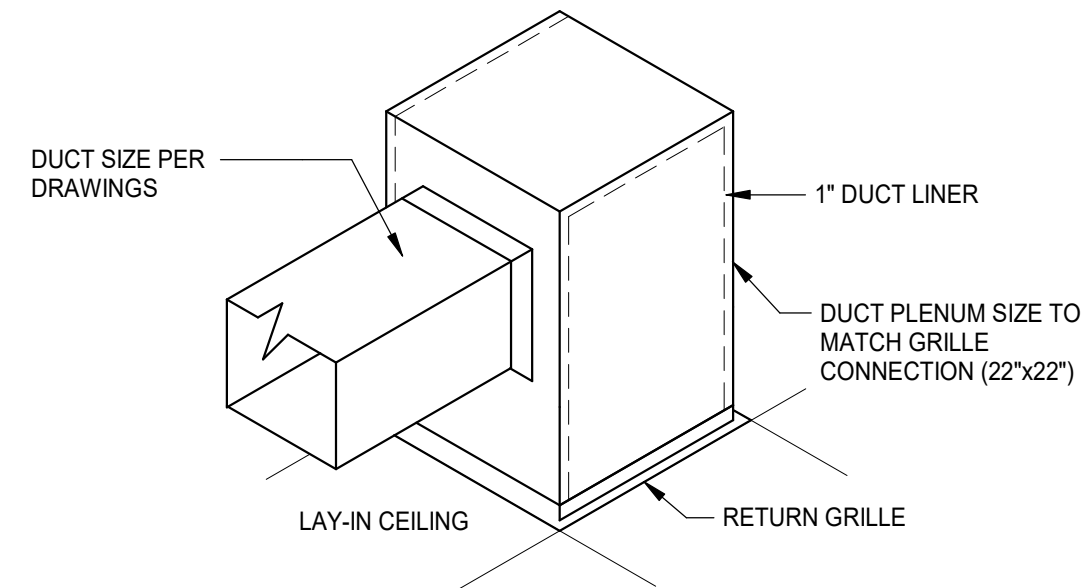
PERIMETER SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - SMALL



PERIMETER SECURITY WALL - DUCT MOUNTED SECURITY BAR DETAIL - LARGE

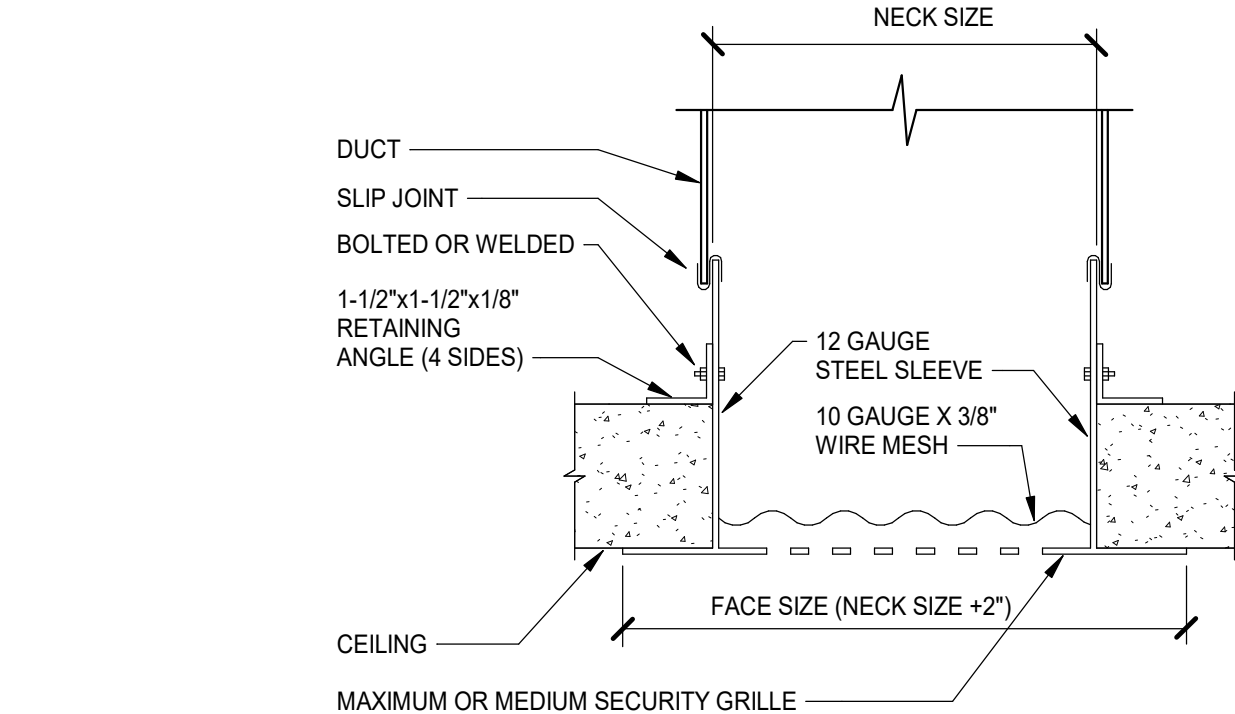
FAN SCHEDULE													
TAG	MANUFACTURER	MODEL NUMBER	SERVING	TYPE	AIRFLOW (CFM)	ESP (IN WC)	FAN WHEEL (RPM)	DRIVE TYPE	CONTROL METHOD	MOTOR (HP)	ELECTRICAL DATA (V) (PH) (HZ)	WEIGHT (LBS)	NOTES
EF-D1	Greenheck	G-090-VG	TOILETSHOWERS	ROOF	530	0.45	1584	DIRECT	BAS	0.10	120 1 60	40	1
SEF-D1	Greenheck	TBI-FS-4H36-150	DORM SMOKE EVAC.	TUBE AXIAL	17,165	1.50	1445	BELT	FIRE ALARM	15	460 3 60	967	1.2
SSF-D1	Greenheck	RBF-3H48-100	DORM SMOKE EVAC.	HOODED PROPELLER	14,350	1.20	814	BELT	FIRE ALARM	10	460 3 60	975	1.2
NOTES: 1. PROVIDE WITH 18" CURB. 2. FAN STARTERS AND DISCONNECTS BY DIVISION 26. ASSOCIATED MOTORIZED DAMPER IS 120V, 2-POSITION. FAIL OPEN WITH END SWITCH. PROVIDE DIFFERENTIAL PRESSURE (AIRFLOW) SWITCH. INCLUDE MINIMUM OF 1.5 TIMES NUMBER OF BELTS REQUIRED. MINIMUM OF 2 EXHAUST FANS MUST BE LISTED IN UL DIRECTORY UNDER "POWER VENTILATORS FOR SMOKE CONTROL SYSTEM" WITH MOTORIZED DAMPER. COORDINATE POSITION MONITORING OF MOTORIZED DAMPER WITH DIV 26. DAMPER AND FAN CONTROL BY FIRE ALARM PANEL/SYSTEM.													

FIRE ALARM / SMOKE CONTROL MATRIX							
SMOKE ZONE D	ACTIVATION DEVICES			DAMPER		EQUIPMENT	
	SMOKE DETECTORS REFER TO PLANS	DUCT SMOKE DETECTOR SYSTEM ID TAG(S)	FLOW SWITCH SYSTEM ID TAG(S)	FAN DAMPERS OPEN D-SSF-D1, D-SEF-D1	SMOKE DAMPERS CLOSE FSD-D1, FSD-D2, FSD-D3, FSD-D4	ON SSF-D1, SEF-D1	OFF EX-RTU-2
GENERAL NOTES: A. DIV 28 SHALL PROVIDE EACH SMOKE SYSTEM FAN WITH FIRE ALARM CONTROL MODULE(S) TO ALLOW 'ON' AND 'OFF' CONTROL. B. DIV 28 SHALL PROVIDE A MONITOR MODULE FOR THE DIFFERENTIAL PRESSURE SWITCH TO CONFIRM OPERATION. FAILURE SHALL CAUSE SUPERVISE CONDITION FOR DEVICE AND ZONE WHEN IN SMOKE MANAGEMENT MODE. C. PROVIDE EACH SMOKE SYSTEM FAN AND SMOKE CONTROL DAMPER WITH POWER DISCONNECTING MEANS (DIV 26), VOLTAGE SENSING RELAY (DIV 26), AND TO CONFIRM POWER AVAILABLE. LOSS OF POWER SHALL CAUSE SUPERVISE CONDITION FOR DEVICE/EQUIPMENT AND SUPERVISE CONDITION FOR DEVICE AND ZONE AT ANY TIME. D. DIV 28 SHALL PROVIDE EACH CONTROL DAMPER WITH FIRE ALARM CONTROL MODULE. FAIL TO INDICATED POSITION. E. DIV 23 SHALL PROVIDE EACH CONTROL DAMPER WITH LIMIT SWITCH. DIV 28 SHALL PROVIDE MONITOR MODULE TO CONFIRM POSITION. FAILURE SHALL CAUSE SUPERVISE CONDITION FOR DEVICE AND ZONE WHEN IN SMOKE MANAGEMENT MODE. F. DIV 28 SHALL PROVIDE MECH EQUIPMENT IN THE "OFF" COLUMN WITH FIRE ALARM CONTROL MODULE TO SHUT DOWN EQUIPMENT. G. DIV 28 SHALL PROVIDE MECH EQUIPMENT IN THE "OFF" COLUMN WITH CURRENT SENSING RELAY AT LAST DISCONNECT MEANS, AND FIRE ALARM MONITOR MODULE TO CONFIRM CURRENT IS NOT FLOWING TO EQUIPMENT. PRESENCE OF CURRENT SHALL CAUSE TROUBLE CONDITION FOR EQUIPMENT AND ZONE DURING SMOKE CONTROL MODE. H. DIV 28 SHALL PROVIDE A MANUAL OVERRIDE SWITCH IN CENTRAL CONTROL THAT SHALL CAUSE SMOKE CONTROL SYSTEM OPERATION AS INDICATED FOR A SMOKE DETECTOR IN THE AFFECTED ZONE, BUT SHALL NOT CAUSE ALARM CONDITION TO OCCUR (SUPERVISORY CONDITION SHALL OCCUR IN MANUAL OR OFF MODES). I. DIV 28 SHALL MEASURE AND RECORD THE PRESSURE DIFFERENCE ACROSS EACH DOOR THAT SEPARATES THE SMOKE ZONE FROM ADJACENT ZONES. ADJUST SMOKE CONTROL FANS AS NECESSARY TO ACHIEVE THE FOLLOWING PRESSURE DIFFERENTIAL ACROSS THE BOUNDARIES: MIN PRESSURE DIFFERENTIAL: +0.05 IN. W.C. MAX PRESSURE DIFFERENTIAL: +0.08 IN. W.C. J. DURING SMOKE CONTROL MODE, SMOKE FANS SHALL BE DELAYED 15 SECONDS SO THAT SMOKE CONTROL DAMPERS ARE SUFFICIENTLY OPEN TO PREVENT DEADHEADING OF FANS, TEST THIS OPERATION AND ADJUST DELAY AS REQUIRED. K. MOTORIZED SMOKE CONTROL FAN DAMPERS ARE 120V, 2-POSITION. L. PROVIDE ALL NECESSARY INTERFACE DEVICES AND CONTROLS ON EXISTING EQUIPMENT INDICATED IN THIS MATRIX TO PERFORM FUNCTIONS AS INDICATED.							



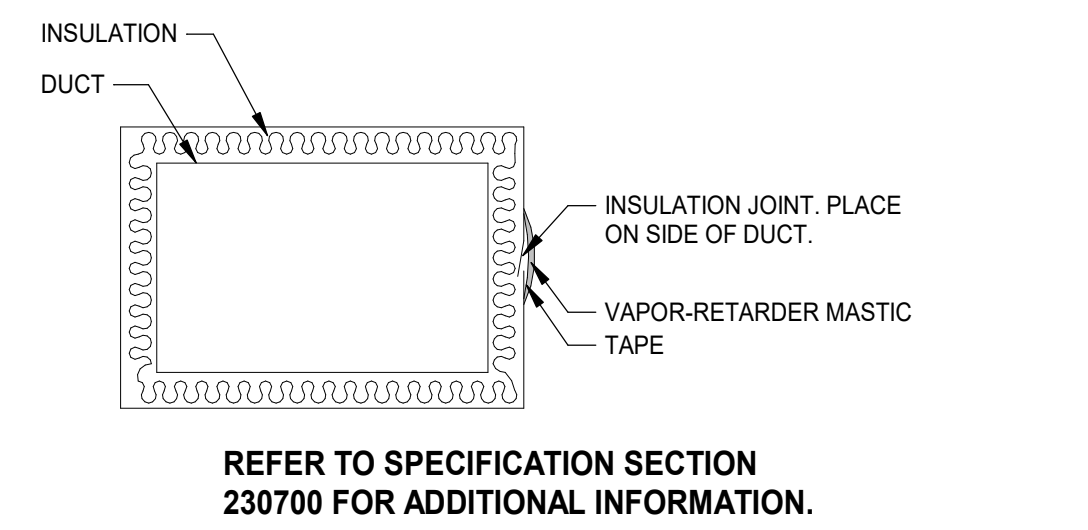
TYPE R1 RETURN GRILLE DETAIL

NO SCALE



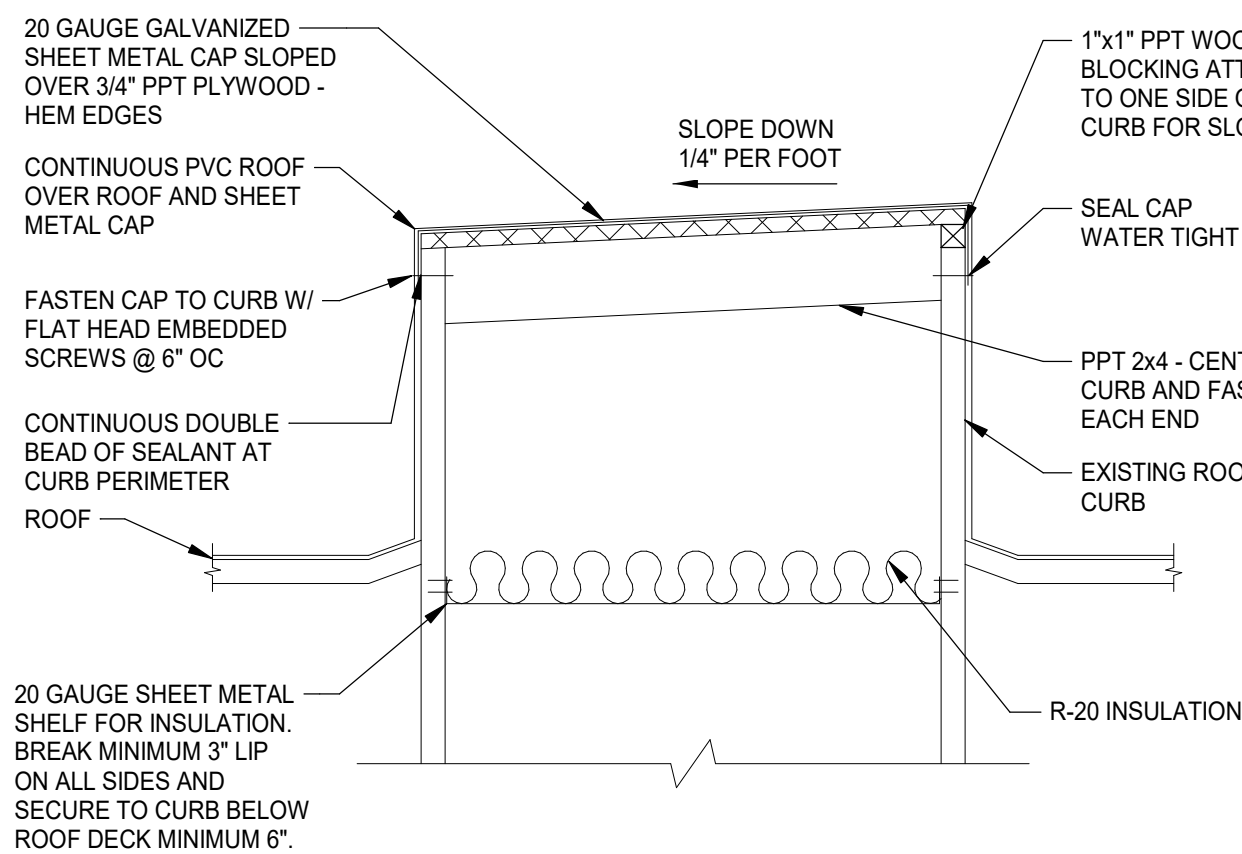
SECURITY GRILLE DETAIL

NO SCALE



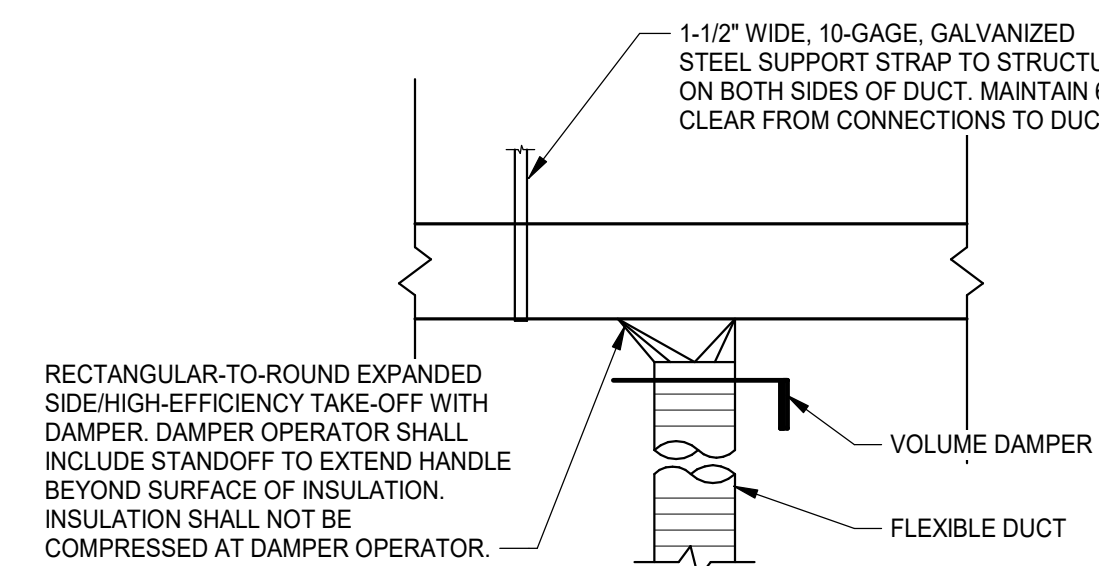
DUCT INSULATION JOINT DETAIL

NO SCALE



EXISTING ROOF CURB CAP DETAIL

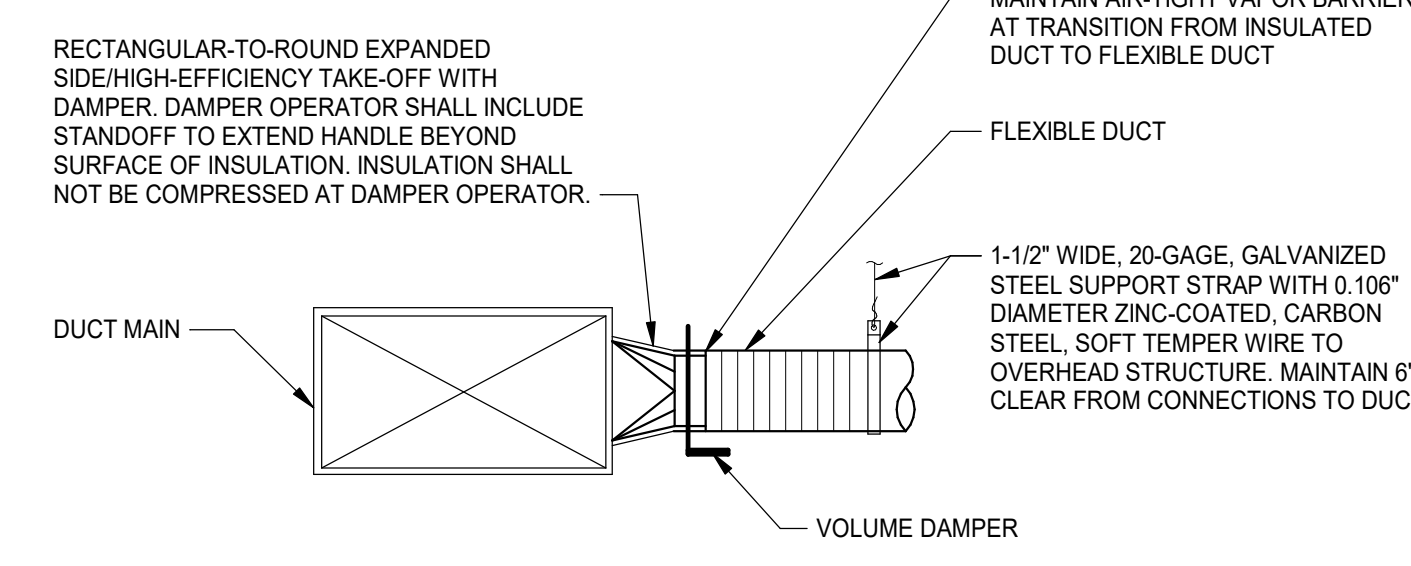
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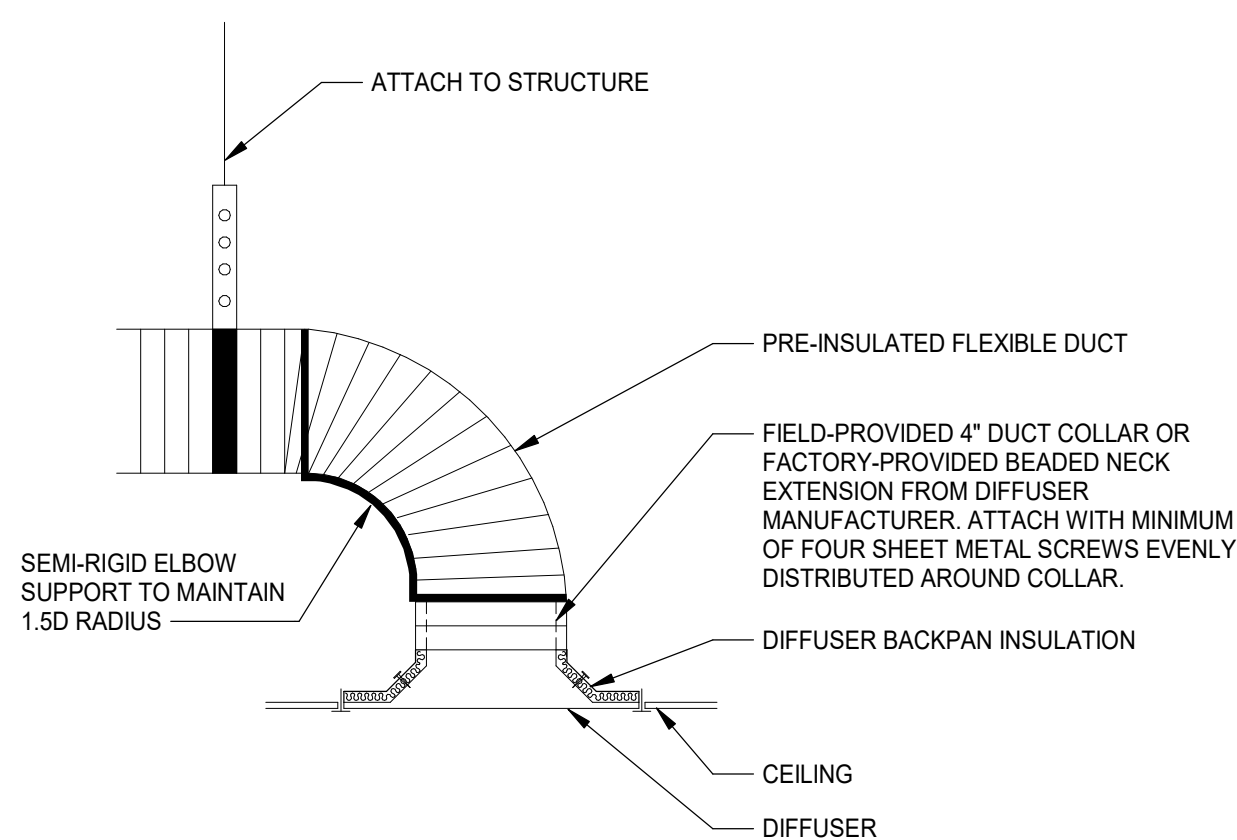
- NOTES:
1. FLEXIBLE DUCT SHALL BE INSTALLED OVER METAL DUCT (BEAD/LIP ON METAL DUCT) AND ANCHORED WITH NYLON MECHANICAL BANDS OR PANDUIT STRAP.
2. IN EXPOSED AREAS, PROVIDE RIGID GALVANIZED STEEL BRANCH DUCT TO DIFFUSERS IN LIEU OF FLEXIBLE DUCT UNLESS INDICATED OTHERWISE. SUPPORT IN ACCORDANCE WITH REQUIREMENTS SPECIFIED FOR METAL DUCTS.

BRANCH CONNECTION TO DIFFUSER DETAILS

NO SCALE



- NOTE:
1. REFER TO BRANCH CONNECTION TO DIFFUSER DETAILS FOR BRANCH TAKE-OFF REQUIREMENTS.



FLEXIBLE DUCT TO DIFFUSER CONNECTION DETAIL

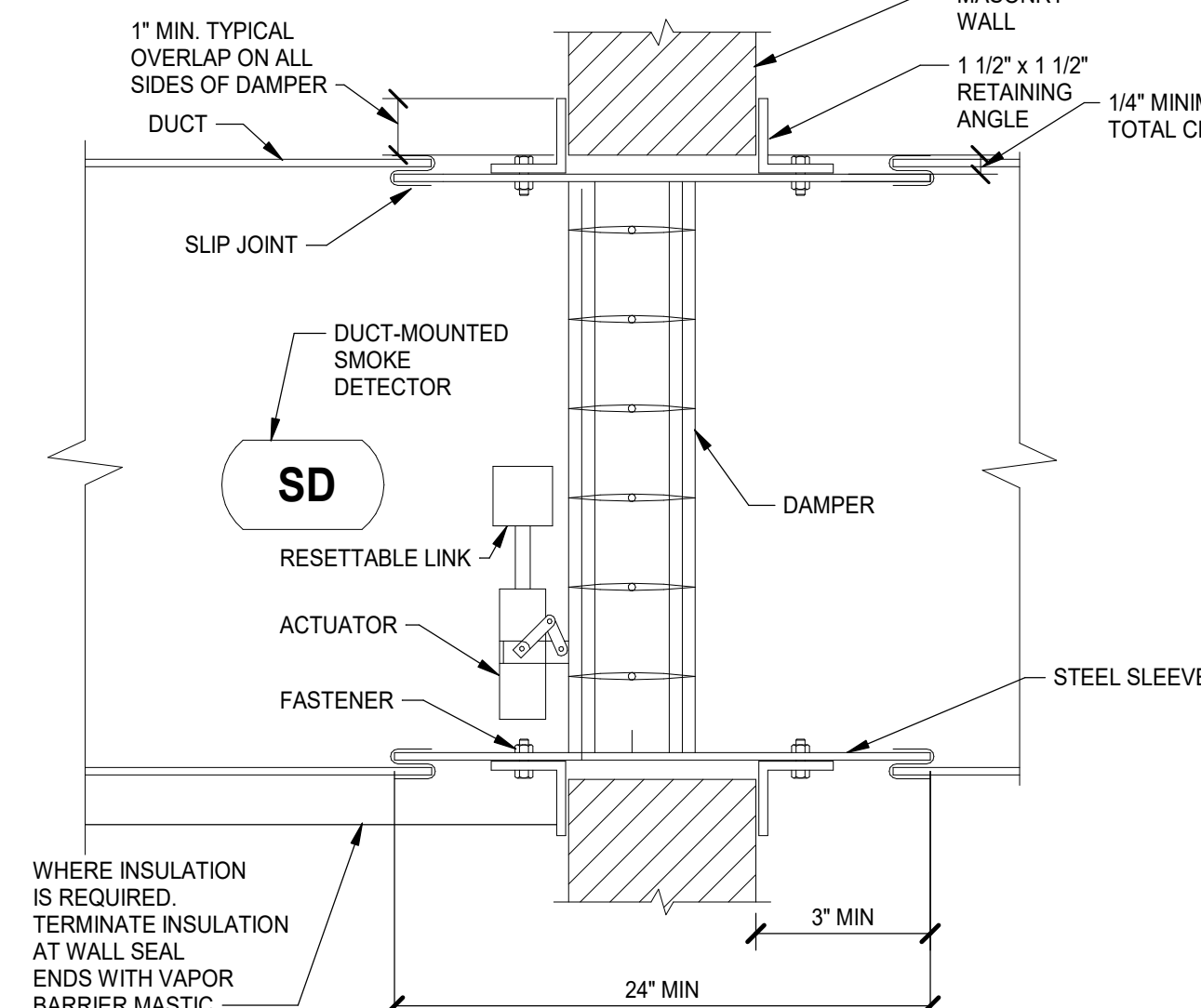
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END OF DUCT MAIN DETAIL

NO SCALE

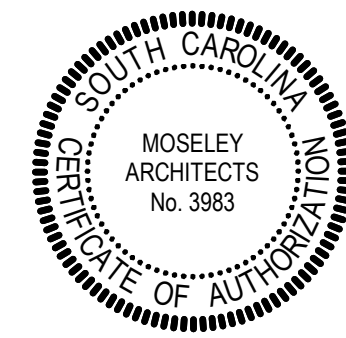
COMBINATION FIRE-SMOKE DAMPER INSTALLATION DETAIL

NO SCALE



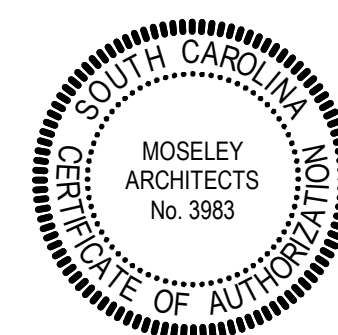
- NOTE: THIS DETAIL IS BASED ON GREENHECK MODEL FSD-331. ALL COMBINATION FIRE-SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE MODEL USED.

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A. THE EXISTING DUCTWORK ROUTING AND SIZING WERE TAKEN FROM EXISTING DRAWINGS. THE EXISTING DRAWINGS SHOWED EXPOSED DUCTWORK IN THE EXISTING GYM. BASED ON THOSE DRAWINGS THE ENGINEER TOOK A BEST ESTIMATE OF DUCT SIZES AND ROUTING WITHIN THE GYM, AS NO AIR DISTRIBUTION DRAWING TO THE DIFFUSER WERE AVAILABLE. CONTRACTOR TO PROVIDE SKETCH OF EXISTING DUCT ROUTING AND SIZING IF IT DIFFERS FROM THE DESIGN DOCUMENTS. THE ENGINEER WILL REVIEW AND POTENTIALLY REVISE DUCT ROUTING AS REQUIRED.



106 RIBAUT ROAD, BEAUFORT, SC 29902
BEAUFORT COUNTY
PROJECT #644482

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MECHANICAL
DEMOLITION PLANS

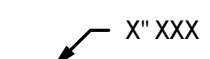
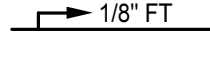
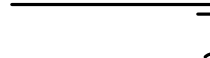
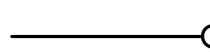
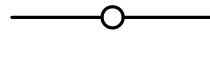
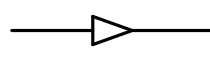
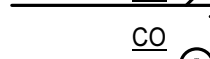
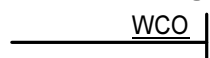
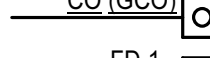
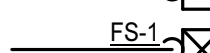
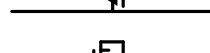
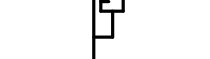
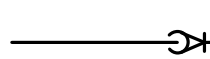
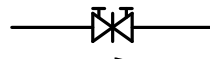
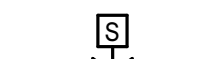
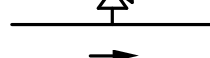
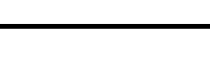
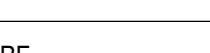
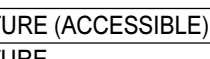


106 RIBAUT ROAD, BEAUFORT, SC 29902
BEAUFORT COUNTY
PROJECT #644482

PROJECT NO: 644482	
DATE: JULY 23, 2026	
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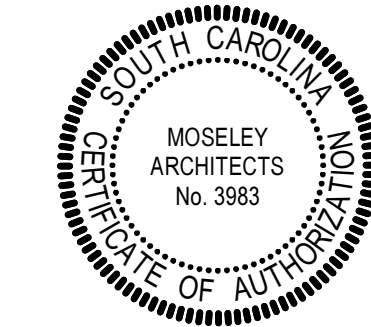
GRAPHICS SYMBOLS LEGEND

	PIPE WITH SIZE AND SERVICE		POINT OF CONNECTION TO EXISTING
	FLOW IN DIRECTION OF ARROW		LIMIT OF DEMOLITION
	PITCH DOWN IN DIRECTION OF ARROW AT INDICATED SLOPE		KEYNOTE
	PIPE CAP		STRUCTURAL GRID LINE WITH DESIGNATION
	PIPE TURNED DOWN		<u>SPACE IDENTIFICATION TAG</u>
	PIPE TURNED UP		<u>EQUIPMENT IDENTIFICATION TAG</u>
	PIPE TEE UP		EQUIPMENT NUMBER
	PIPE TEE DOWN		UNIT DESIGNATION
	UNION		
	CONCENTRIC PIPE REDUCTION		
	END OF LINE CLEANOUT PLUG		
	FLOOR CLEANOUT		
	WALL CLEANOUT		
	YARD CLEANOUT (CLEANOUT TO GRADE)		
	FLOOR DRAIN WITH TAG		
	FLOOR SINK WITH TAG		
	PRESSURE GAUGE WITH GAUGE COCK		
	LIQUID FILLED THERMOMETER		
	WATER HAMMER ARRESTOR (PLUMBING & DRAINAGE INSTITUTE SIZE INDICATED)		
	FLOW SWITCH		
	TEMPERATURE/PRESSURE PLUG		
	VALVE		
	VALVE IN RISER		
	GAS COCK		
	VENTURI FLOW METER		
	MANUAL BALANCING VALVE		
	AUTOMATIC BALANCING VALVE WITH FLOW TAPS		
	SWING CHECK VALVE		
	PRESSURE REDUCING VALVE		
	SOLENOID OPERATED VALVE		
	TEMPERATURE AND PRESSURE RELIEF VALVE		
	BACKWATER VALVE		
	HOSE BIBB OR WALL HYDRANT		
	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER		
	DOUBLE CHECK BACKFLOW PREVENTER		
	PUMP		

DRAIN AND CLEANOUT SCHEDULE				
TAG	BASIS OF DESIGN		STRAINER/GRATE	NOTES
	MANUFACTURER	MODEL		
FCO	JOSAM	55000-1	FLOOR CLEANOUT	

GENERAL NOTES

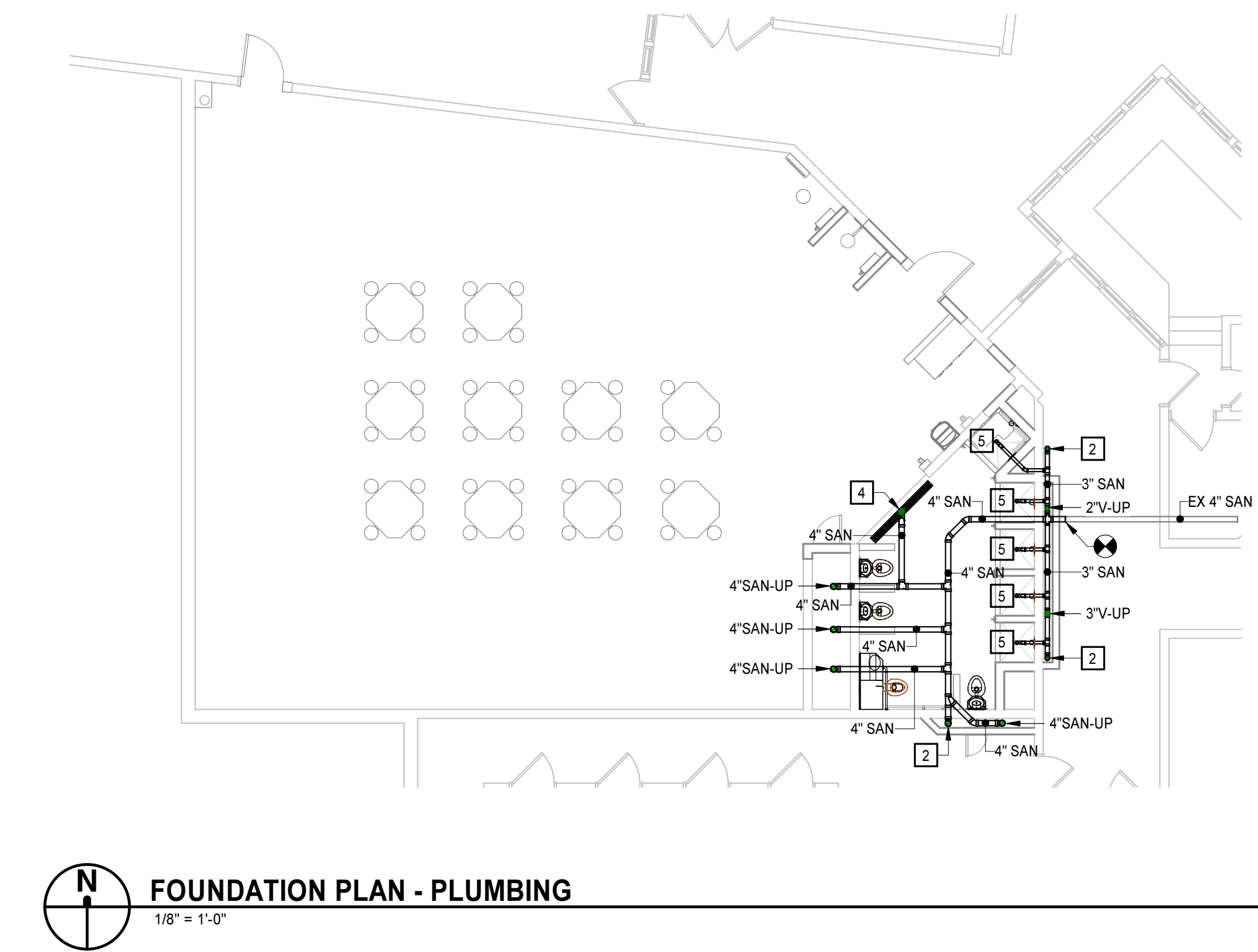
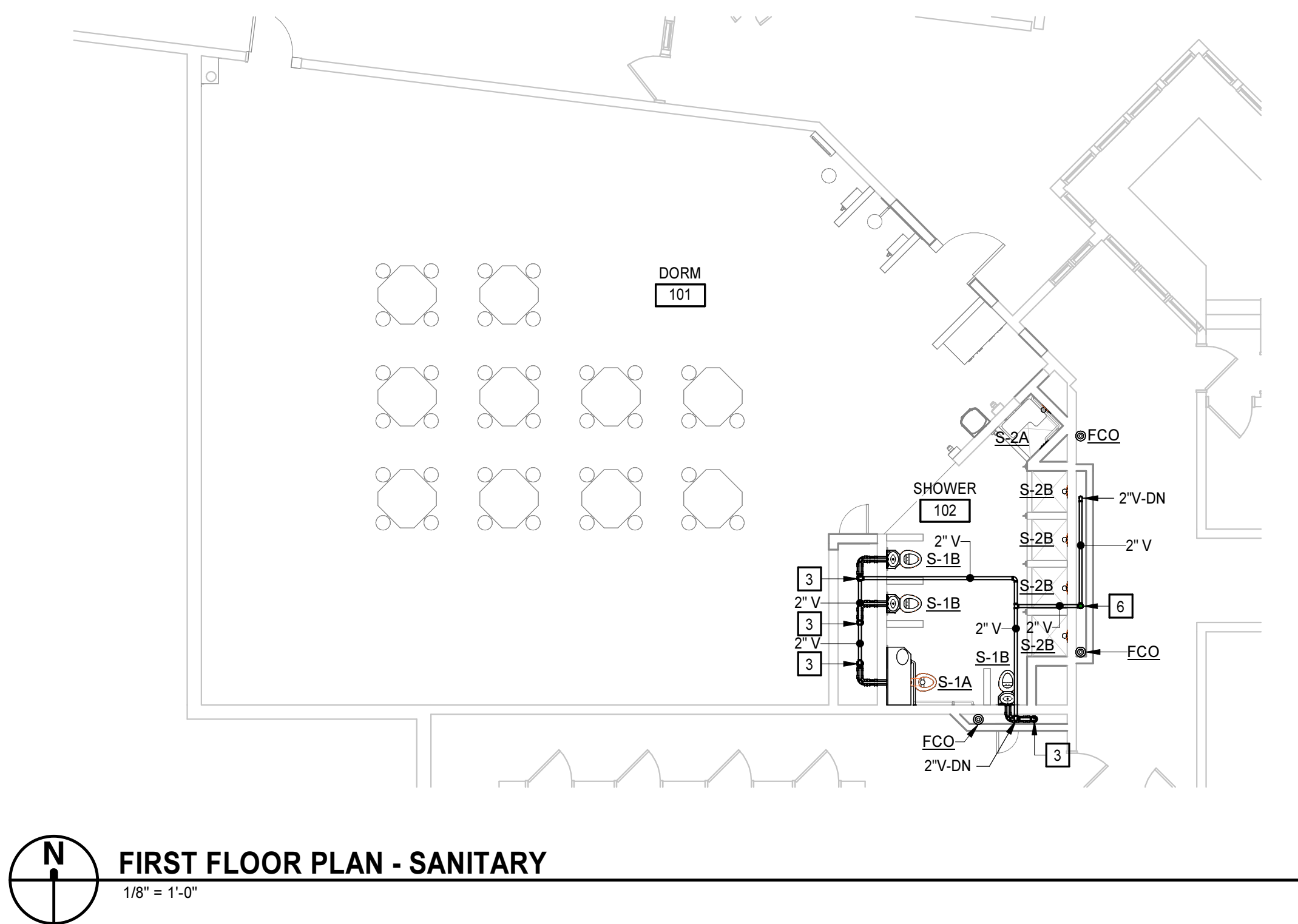
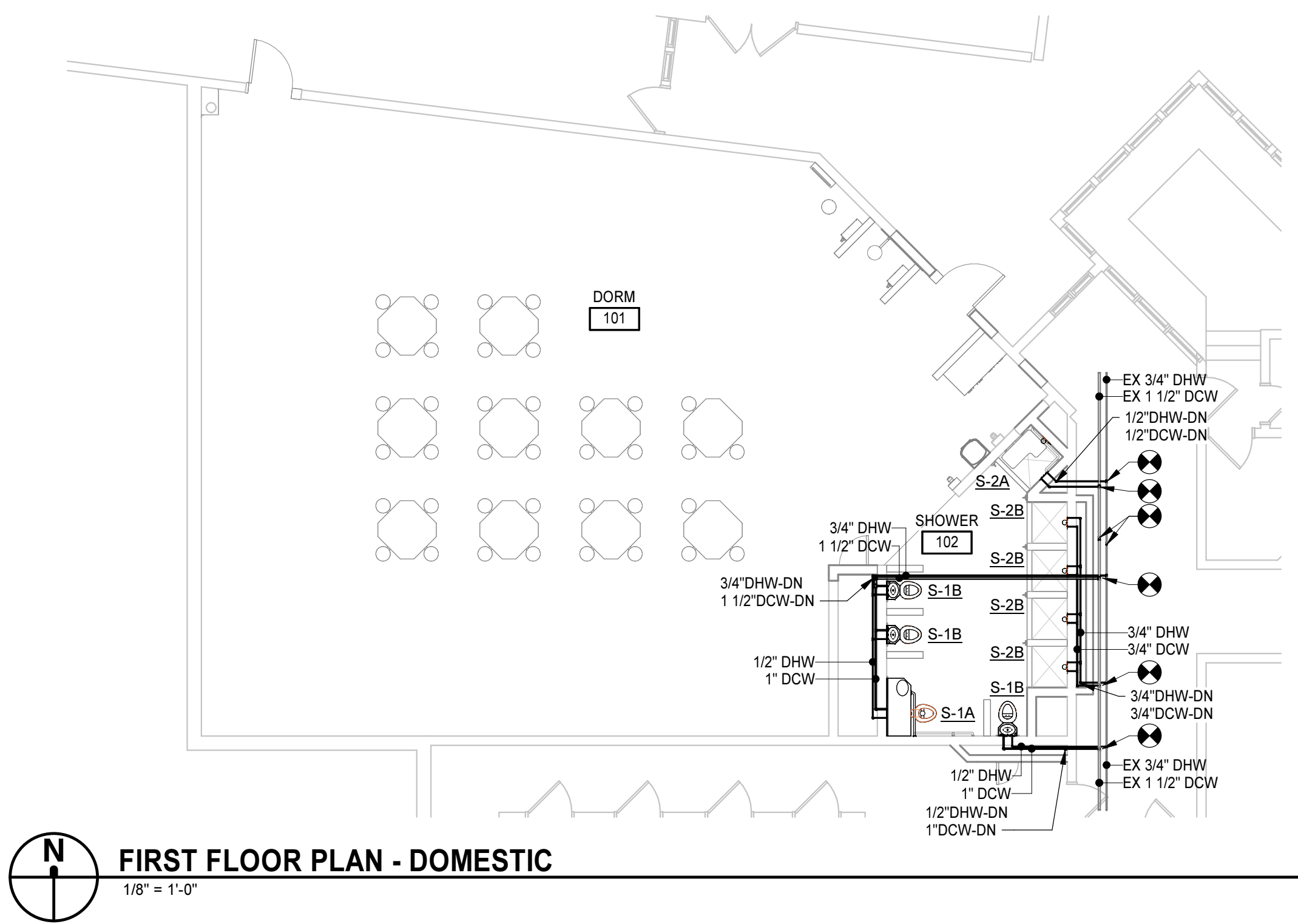
- A. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
- B. COORDINATE PIPING LOCATIONS AND INSTALLATION WITH EACH TRADE TO AVOID CONFLICTS WITH OTHER TRADES.
- C. PROVIDE FLOOR CLEANOUTS INDICATED FLUSH WITH FLOOR FINISHES.
- D. PROVIDE CLEANOUTS WHERE INDICATED AND ADDITIONAL CLEANOUTS AS REQUIRED BY LOCAL CODE.
- E. REFER TO DRAWINGS FROM EACH DISCIPLINE BEFORE ROUGH-IN PLUMBING FIXTURES.
- F. OBTAIN DIMENSIONS AND ROUTING IN FIELD BEFORE INSTALLATION OF PLUMBING AND FIXTURES.
- G. INSTALL ALL DRAINAGE PATTERN FITTINGS AND PIPING IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES.
- H. REFER TO STRUCTURAL DRAWINGS FOR DETAILS AND MAXIMUM SPACING REQUIREMENTS REGARDING HANGER ATTACHMENTS TO STEEL BEAM JOISTS.
- I. PROVIDE ISOLATION VALVES IN ACCORDANCE WITH DIAGRAMS, DETAILS, AND DIVISION 22 SPECIFICATIONS.



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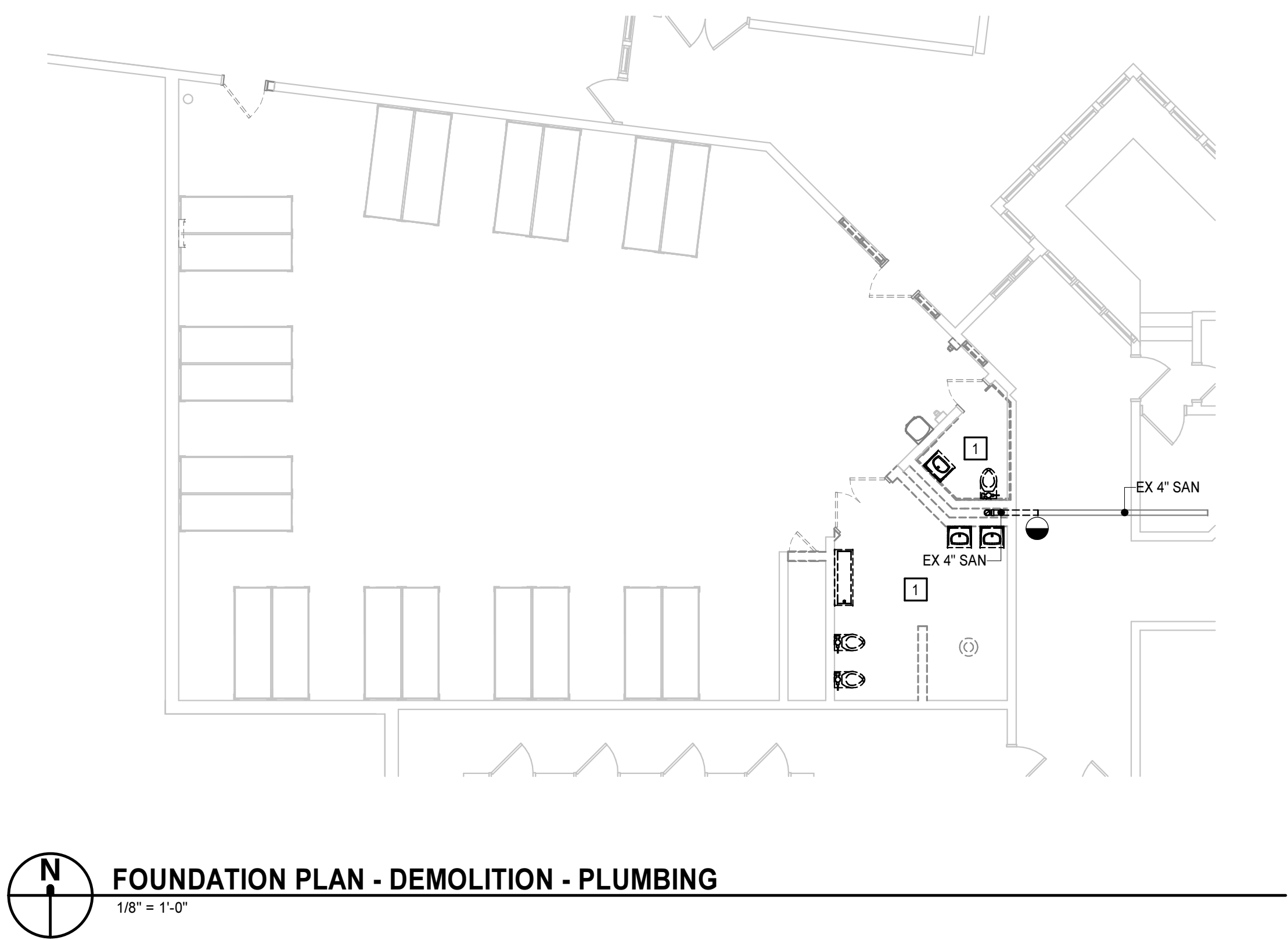
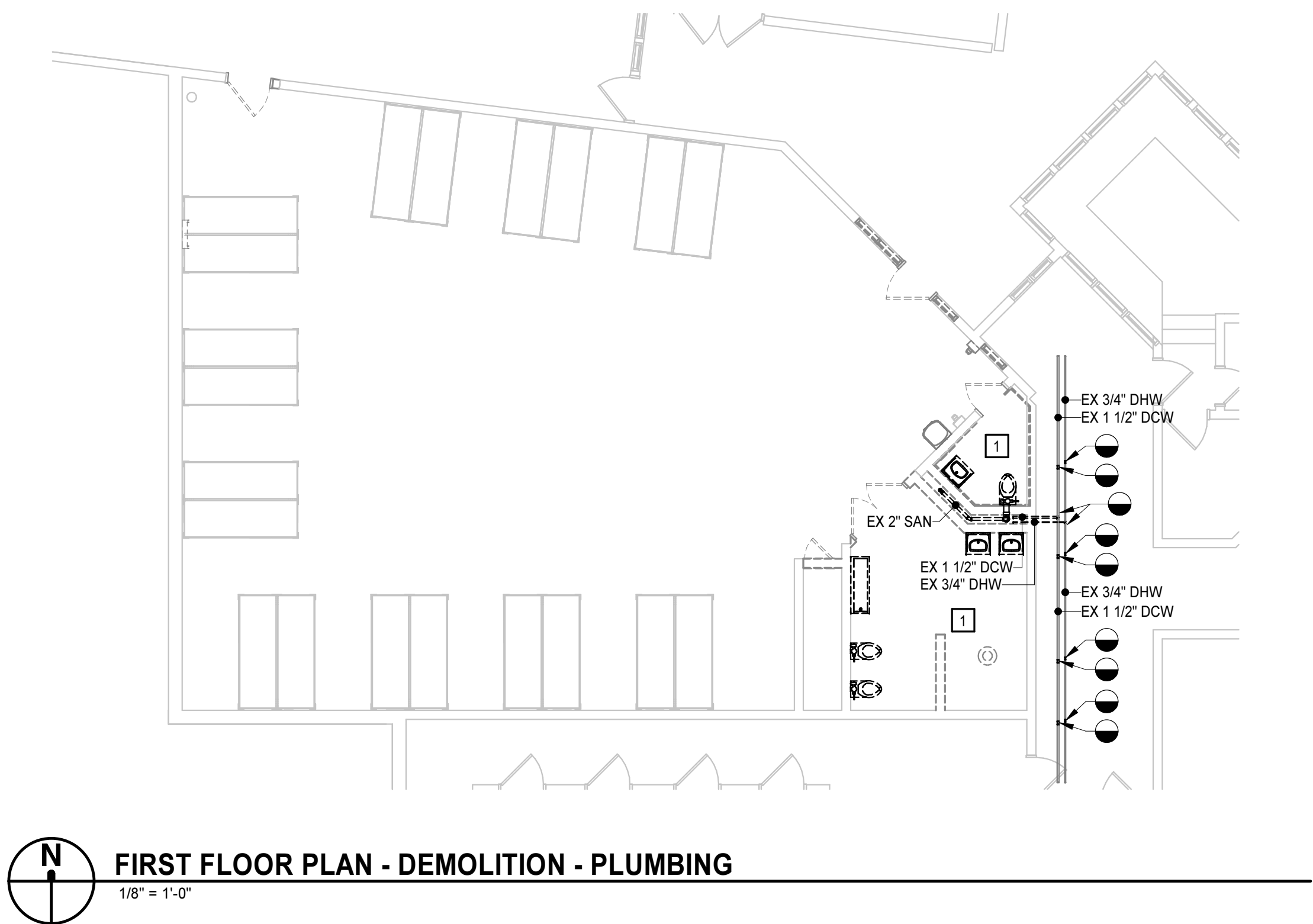
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GENERAL NOTES
A. CONTRACTOR SHALL VERIFY AND COORDINATE ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION WORK. PROTECT ANY AND ALL EQUIPMENT, PIPING, AND ACCESSORIES NOT BEING DEMOLISHED DURING DEMOLITION. PATCH AND REPAIR ANY DAMAGE TO CONDITIONS EQUAL TO OR BETTER THAN THE CONDITIONS PRIOR TO DEMOLITION.

KEYNOTES
APPLIES TO DRAWINGS P2.1 REPRESENTED BY [Symbol]
1. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING, FITTINGS, AND ACCESSORIES COMPLETE WHERE APPLICABLE. REMOVE ALL DOMESTIC WATER, SANITARY, AND VENT PIPES BACK TO WALL OR FLOOR VALVE AND CAP OR PREPARE FOR NEW CONNECTIONS AS NEEDED.
2. SANITARY UP TO FLOOR CLEANOUT.
3. 2" V-DN TO 4" SAN-DN.
4. 4" SAN PTRAP-UP TO TRENCH DRAIN.
5. 2" SAN PTRAP-UP TO SHOWER DRAIN.
6. 3" V-UP & DN, 3" V-UP TO 3" V-TR.



997 MORRISON DRIVE, SUITE 601 CHARLESTON, SC 29403
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MOSELEYDESIGNS.COM

BEAUFORT COUNTY DETENTION CENTER GYM CONVERSION
106 RIBAUT ROAD, BEAUFORT, SC 29902
BEAUFORT COUNTY
PROJECT #644482

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FLOOR PLANS - PLUMBING

P2.1

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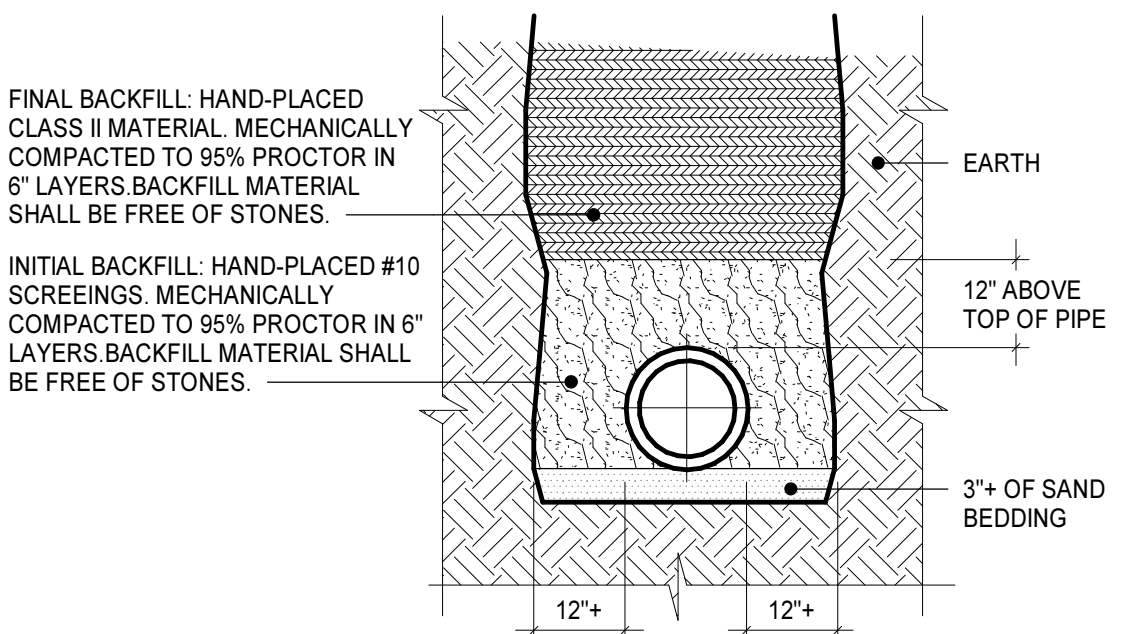
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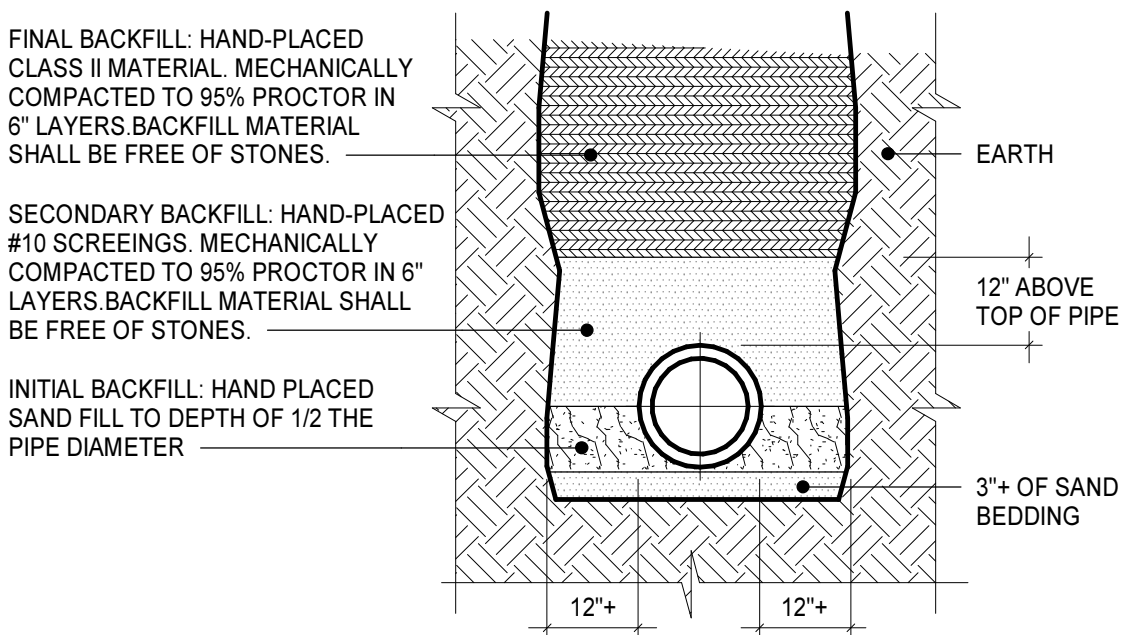
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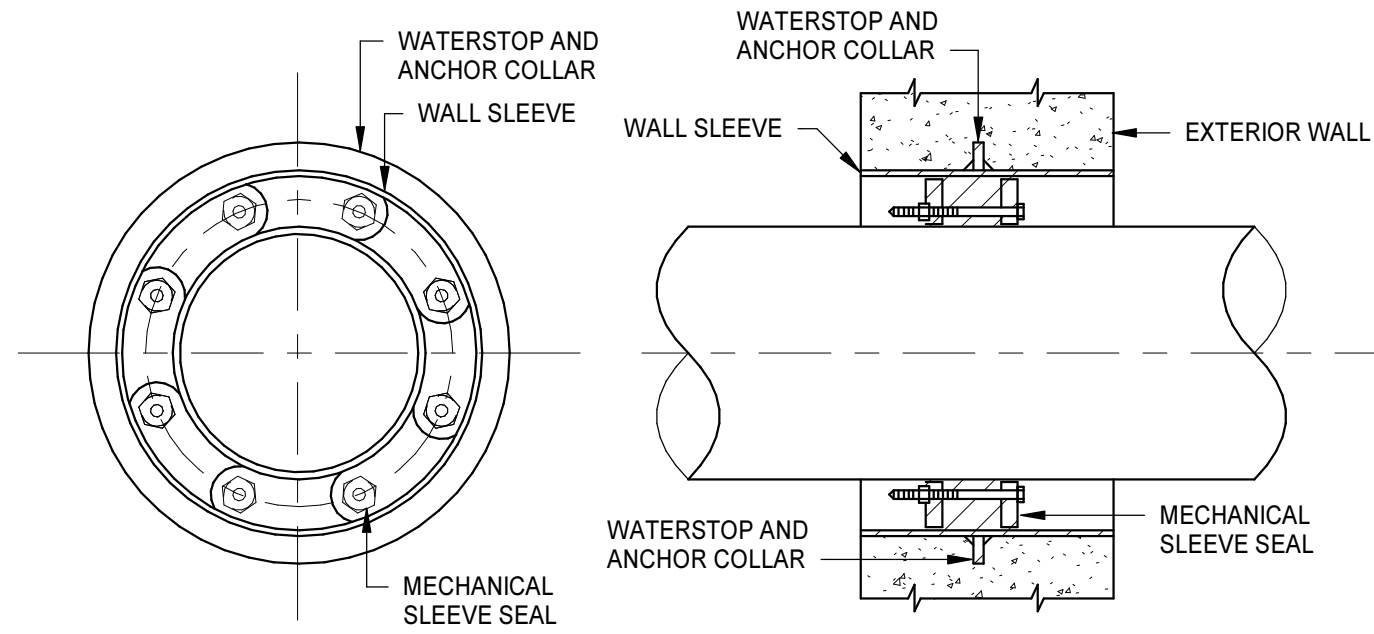
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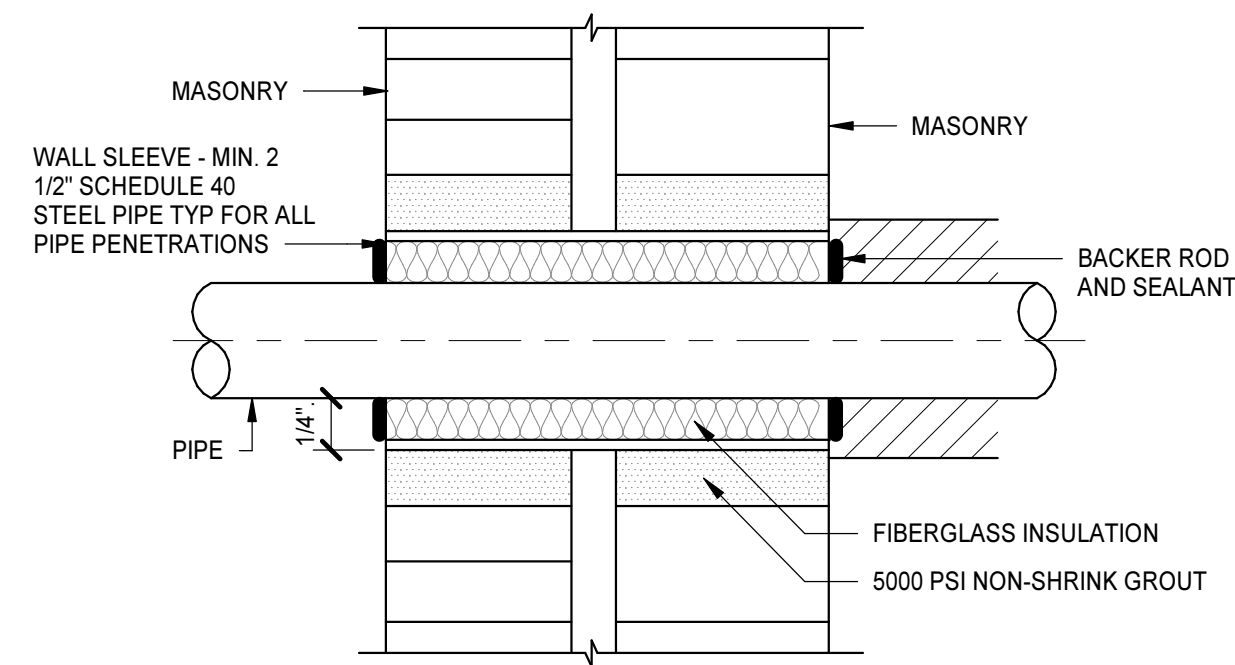
CAST IRON PIPE BEDDING DETAIL



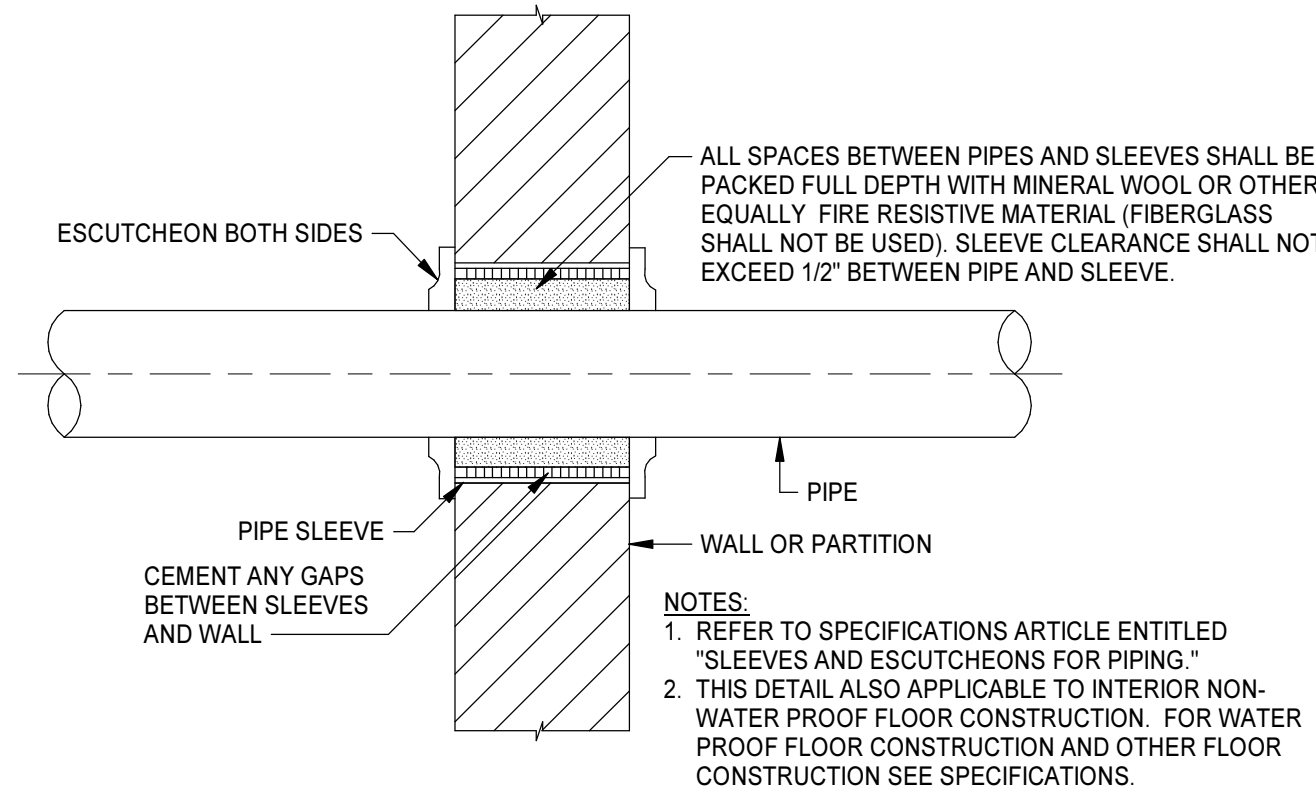
PVC PIPE BEDDING DETAIL



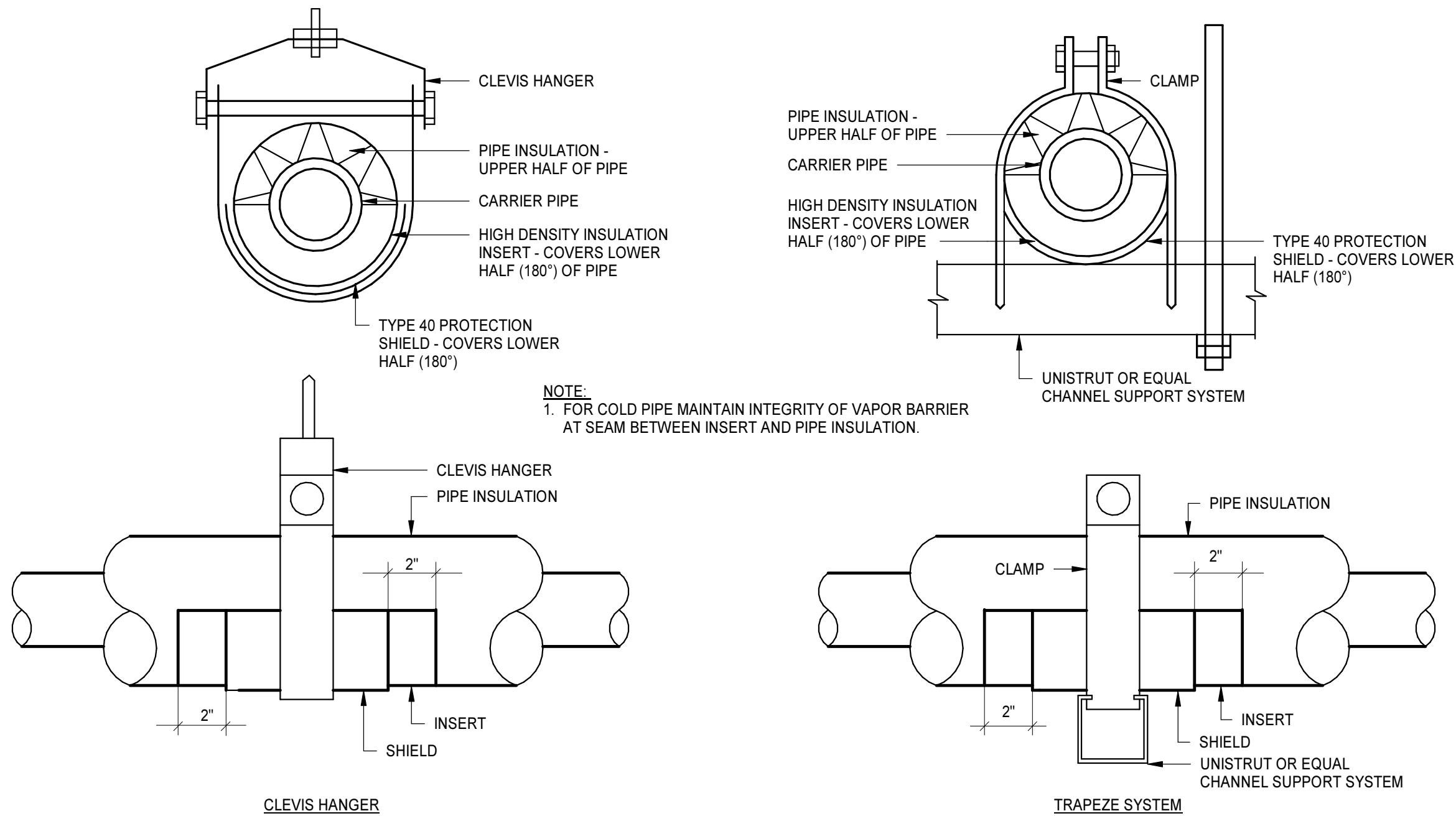
MECHANICAL SLEEVE SEAL DETAIL



PIPE SLEEVE DETAIL



PIPE THRU FIRE RATED PARTITION & WALL DETAIL



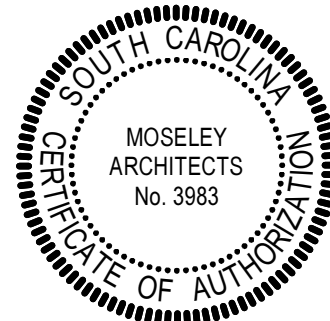
PIPE SUPPORT AND THERMAL SHIELD DETAILS

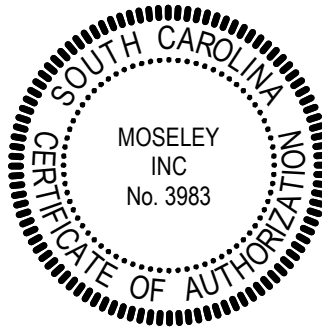
BEAUFORT COUNTY DETENTION CENTER GYM CONVERSION

106 RIBAUT ROAD, BEAUFORT, SC 29902
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DETAILS





1. ALL MASONRY WORK SHALL CONFORM TO THE REQUIREMENTS OF TMS 402 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES WITH COMMENTARY" AND TMS 602 "SPECIFICATIONS FOR MASONRY STRUCTURES WITH COMMENTARY".
2. NET AREA COMPRESSIVE STRENGTH OF CONCRETE MASONRY (f_m) SHALL BE 2000 PSI, DETERMINED IN ACCORDANCE WITH THE UNIT STRENGTH METHOD PER TMS 602, UNLESS NOTED OTHERWISE.
3. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90, AND SHALL BE MADE WITH LIGHTWEIGHT AGGREGATE.
4. MORTAR FOR CMU SHALL CONFORM TO ASTM C270, TYPE S, UNLESS NOTED OTHERWISE. MORTAR FOR CONCRETE OR HIGH-LEAST GROUTING WITH ARCHITECT PRIOR TO COMMENCING WORK.
5. GROUT SHALL CONFORM TO ASTM C276, SHALL BE PROPORTIONED TO OBTAIN MINIMUM ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI.
6. PLACE GROUT IN ACCORDANCE WITH TMS 402. ALLOW A MINIMUM OF 4 HOURS FOR MASONRY TO SET PRIOR TO PLACING GROUT. HIGH GROUT GROUTING IS PERMITTED PROVIDED THE GROUT PLACEMENT REQUIREMENTS OF TMS 602 SECTION 3 ARE MET. CONTRACTOR TO REVIEW CLEANOUT LOCATIONS FOR HIGH-LEAST GROUTING WITH ARCHITECT PRIOR TO COMMENCING WORK.
7. FILL COLLAR JOINTS OF COMPOSITE WALLS SOLD WITH MORTAR AS THE WALLS PROGRESS. BOND WITHES OF COMPOSITE WALLS TOGETHER USING HORIZONTAL JOINT REINFORCING, 6" ON CENTER, UNLESS NOTED OTHERWISE.
8. PROVIDE VERTICAL REINFORCING STEEL OF SIZE AND SPACING INDICATED. LAP SPICE LENGTHS SHALL BE AS FOLLOWS:

#4 BAR AND SMALLER	26 INCHES
#5 BAR	34 INCHES
#6 BAR	38 INCHES
#7 BAR	45 INCHES
9. PROVIDE POSITIONERS TO HOLD VERTICAL WALL REINFORCING STEEL IN PROPER ALIGNMENT.
10. REINFORCING STEEL SHALL COMPLY WITH ASTM A615, GRADE 60.
11. AVOID PLACING CONDUIT IN CELLS CONTAINING STRUCTURAL REINFORCING, WHERE POSSIBLE.
12. NO SWITCHES OR BOXES WITHIN 20 INCHES OF A DOOR JAMB.
13. MASONRY WALLS OF HOLLOW UNITS WHICH CHANGE THICKNESS SHALL HAVE A CONTINUOUS GROUT FILLED COURSE BELOW THE TRANSITION. IF WALL THICKNESS IS GREATER ABOVE THE TRANSITION, THE COURSE ABOVE THE TRANSITION SHALL ALSO BE GROUTED SOLD.

1. INSTALL ALL ANCHORS IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED PROCEDURES AT NOT LESS THAN THE MINIMUM EDGE DISTANCES INDICATED IN THE MANUFACTURER'S LITERATURE. SUBMIT MANUFACTURER'S PRODUCT DATA FOR REVIEW BY THE ARCHITECT.
2. ALL ANCHORS (INCLUDING THREADED RODS, NUTS, WASHERS) SHALL BE ZINC PLATED IN ACCORDANCE WITH ASTM B633, FOR SERVICE CONDITION SC-I.
3. **SCREW ANCHORS** SHALL BE ONE OF THE FOLLOWING:
 - SCREW-BOLT + BY DEWALT
 - TITEN HD, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
 - KWIK HUS-EZ, BY HILTI

HOLE DIAMETER THROUGH STEEL MEMBER SHALL BE AS REQUIRED BY ANCHOR MANUFACTURER.

MINIMUM SCREW ANCHOR EMBEDMENTS SHALL BE AS FOLLOWS, UNO:

- 4" EMBEDMENT FOR 1/2" DIAMETER ANCHOR
- 5" EMBEDMENT FOR 5/8" DIAMETER ANCHOR
- 6" EMBEDMENT FOR 3/4" DIAMETER ANCHOR

4. **ADHESIVE ANCHORS** SHALL CONSIST OF THREADED ROD (ASTM A36), HEX NUT (ASTM A563), WASHER (ASTM F436), AND ADHESIVE (TYPE PER NOTES A, B OR C BELOW).

ADHESIVE DOWELS SHALL CONSIST OF DEFORMED REINFORCING BAR (ASTM A615, GRADE 60) AND ADHESIVE (TYPE PER NOTE A BELOW).

A. "ADHESIVE ANCHORS" OR "ADHESIVE DOWELS" INSTALLED IN SOLID CONCRETE SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

HYBRID (FAST CURE)

AC208™ BY DEWALT
AT-33, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
HIT-HY 200-V3, BY HILTI

EPOXY (SLOW CURE)

PURE 220™, BY DEWALT
SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS
HIT-RE 500-V3 EPOXY ADHESIVE, BY HILTI

B. "ADHESIVE ANCHORS" INSTALLED IN SLOUT GROUT FILLED CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

HIT-HY 270, BY HILTI
AC 100™ GOLD, BY DEWALT
SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS

C. "SCREEN TUBE ANCHORS" INSTALLED IN HOLLOW CMU SHALL UTILIZE ONE OF THE FOLLOWING ADHESIVE SYSTEMS, OR APPROVED EQUAL:

HIT-HY 270, BY HILTI
AC 100™ GOLD, BY DEWALT
SET-3G, BY SIMPSON STRONG-TIE ANCHORING SYSTEMS

BASIS OF DESIGN INCLUDES THE FOLLOWING DESIGN PARAMETERS:
 (1) CRACKED CONCRETE
 (2) ALLOWABLE WITH HAMMER-DRILL, HOLLOW DRILL BIT SYSTEM, AND CORE DRILLING METHODS
 (3) CURRENT ICC-ES REPORT WITH APPROVAL FOR DEVELOPMENT OF BAR USING ACI PROVISIONS
 FOR EMBEDMENT DEPTHS GREATER THAN 20 BAR DIAMETERS

INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING.

OVERHEAD HEADSHEAR BARS SHALL BE INSTALLED USING A PISTON PLUG SYSTEM.

FOR PROJECTS MEETING IBC 2010 OR LATER, ACHSR/ADHESIVE ANCHOR INSTALLER CERTIFICATION IS REQUIRED FOR ALL INSTALLERS OF ADHESIVE ANCHORS IN HORIZONTAL OR UPWARDLY INCURRED ORIENTATION. THE HILTI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM (HAIPC) IS AN APPROVED EQUIVALENT.

THE CONTRACTOR SHALL ARRANGE AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER SHALL PROVIDE WRITTEN DOCUMENTED CONFIRMATION THAT ALL PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.

EXISTING REINFORCING BARS IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE THE REMOVAL OF THE EXISTING BARS AT THE LOCATIONS OF THE ANCHORS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY REMOVAL OF THE EXISTING BARS BY GPR, X-RAY, CHIPPING OR OTHER APPROVED METHODS.

1. CLASSIFICATION OF BUILDING	III
RISK CATEGORY (IBC TABLE 1604.5)	
2. THE EXISTING STRUCTURE SUPPORTING THE PROPOSED MECHANICAL ROOF TOP EQUIPMENT WAS ANALYZED BASED ON A 25 PSF ROOF DEAD LOAD, 20 PSF ROOF LIVE LOAD, AND WIND LOADING INDICATED UNDER WIND DESIGN DATA	
3. ROOF SNOW LOAD	
GROUND SNOW LOAD (Pg)	5 PSF
IMPORTANCE FACTOR (Is)	1.1
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.0
FLAT ROOF SNOW LOAD (Pf = 0.7 x Ce x Ct x Is x Pg)	4 PSF
MINIMUM Pf FOR Pg ≥ 20 PSF OR LESS Pf min = 1 x Pg	5.5 PSF
SLOPED ROOF SNOW LOAD (Ps = Ce x Pf)	5.5 PSF
SNOW DRIFTING LOADS	PER IRC
4. WIND DESIGN DATA	
ULTIMATE DESIGN WIND SPEED (3 SECOND GUST)	152 MPH
NOMINAL DESIGN WIND SPEED (3 SECOND GUST)	118 MPH
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (Gcpi)	±0.18 (ENCLOSED)
5. SEISMIC DESIGN DATA	
SEISMIC DESIGN CATEGORY	D
SEISMIC IMPORTANCE FACTOR (Is)	1.25
SITE CLASS	D (ASSUMED)
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
(Ss)	0.644
(S1)	0.204
DESIGN SPECTRAL RESPONSE ACCELERATIONS	
(Sds)	0.552
(Sd1)	0.298

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE SOUTH CAROLINA INTERNATIONAL EXISTING BUILDING CODE 2021 (EBC).
2. THE STRUCTURAL DRAWINGS ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS AND THE DRAWINGS OF THE OTHER ENGINEERING DISCIPLINES.
3. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE BETTER QUALITY. IN THE CASE OF A CONFLICT, DISAGREEMENT, OR AMBIGUITY, PROVIDE THE GREATER QUANTITY OF WORK.
4. VERIFY AND COORDINATE MECHANICAL UNIT SUPPORTS AND OPENINGS WITH EQUIPMENT PURCHASES FOR THE PROPOSED INSTALLATION. PROVIDE REINFORCEMENT FOR SLEEVES, HANGERS, INSETS, ANCHORS AND ALL OTHER ITEMS TO BE SET IN STRUCTURAL WORK.

1. EXISTING CONSTRUCTION INDICATED ON THE STRUCTURAL DRAWINGS IS BASED ON INFORMATION OBTAINED FROM THE ORIGINAL DESIGN DRAWINGS AND ON LIMITED OBSERVATIONS OF EXISTING CONDITIONS. THIS INFORMATION, INCLUDING STRUCTURAL COMPONENT TYPE, SIZE AND ORIENTATION HAS BEEN CONFIRMED IN ALL CASES, AND MAY NOT MATCH AS SHOWN ON THE EXISTING CONSTRUCTION. ALL EXISTING CONDITIONS AND DIMENSIONS RELATING TO THE NEW WORK SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION AND CONSTRUCTION OF STRUCTURAL ELEMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.

2. EXISTING CONSTRUCTION IS INDICATED USING A LIGHTER LINE WEIGHT THAN NEW CONSTRUCTION IN PLANS AND SECTIONS.

1. PROVIDE TEMPORARY SHORING AND BRACINGS TO MAINTAIN THE EXISTING STRUCTURE IN PROPER ALIGNMENT UNTIL PERMANENT CONSTRUCTION AND LATERAL BRACING IS IN PLACE.
2. THE TEMPORARY SHORING DIAGRAMS ARE CONCEPTUAL ONLY. DESIGN OF TEMPORARY SHORING SHALL BE PROVIDED BY THE CONTRACTOR. DESIGN CALCULATIONS AND SHORING DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF SOUTH CAROLINA.
3. CAREFULLY EVALUATE THE SITUATION WHICH EXISTS PRIOR TO COMMENCEMENT OF WORK. NOTIFY THE ARCHITECT IF ANY CONDITIONS ARE DETECTED WHICH MAY AFFECT THE STABILITY OF THE EXISTING STRUCTURE OR THE SHORING.
4. MONITOR THE PERFORMANCE OF THE TEMPORARY SHORING AT ALL TIMES DURING THIS WORK AND MAKE ANY ADDITIONAL SHORING READILY AVAILABLE ON SITE IN THE EVENT OF DEFLECTION OR OTHER MOVEMENT OF THE SHORING.

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE FOLLOWING AISC DOCUMENTS:
 - AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND BRIDGES
 - AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES"
2. STRUCTURAL STEEL SHALL COMPLY WITH THE FOLLOWING SPECIFICATIONS:
 - WIDE FLANGE SHAPES, CHANNELS AND MISC CHANNELS ASTM A992 (FY=50 KSI)
 - ANGLES, G-SHAPES AND M-SHAPES ASTM A572 (FY=50 KSI)
 - PLATES & BARS ASTM A572 (FY=50 KSI)
 - HIGH STRENGTH BOLTS (CONVENTIONAL) ASTM F1552, GRADE A325 OR A490
 - WASHERS ASTM F436 (FLAT AND BEVELED)
 - WELDING ELECTRODES E70T18 (HYDROGEN)
3. WELDING SHALL BE IN ACCORDANCE WITH AWS D1.1 "STRUCTURAL WELDING CODE - STEEL".
4. STRUCTURAL STEEL EXPOSED TO WEATHER IN THE FINISHED WORK SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123 UNLESS OTHERWISE NOTED.

The diagram illustrates the correct use of section and detail numbers in technical drawings. It is divided into two main sections: "SECTION AND DETAIL" and "WHERE DRAWN".

SECTION AND DETAIL: This section shows a circular detail with a section number "1" and a detail number "S2.1". The detail is shown in section, with the section number "1" and the detail number "S2.1" placed outside the section line. The detail is labeled "SECTION OR DETAIL NUMBER".

WHERE DRAWN: This section shows the detail number "S2.1" placed outside the section line, indicating where the detail is drawn. The detail is labeled "DRAWING NUMBER WHERE SECTION OR DETAIL IS DRAWN".

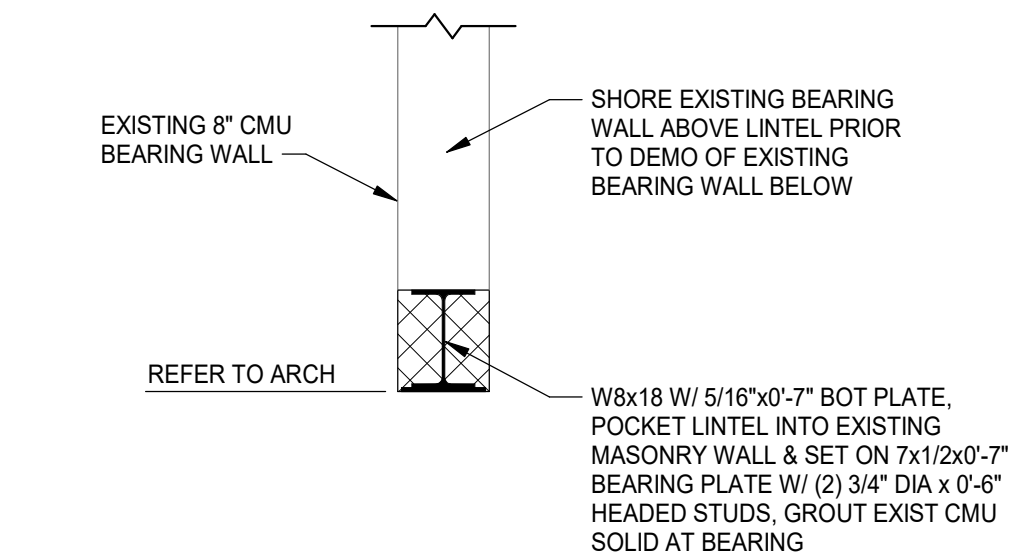
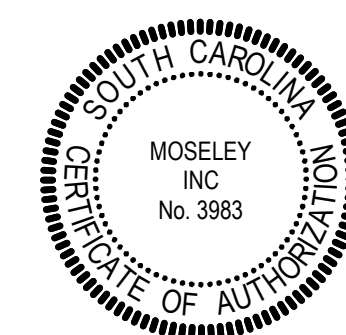
SECTION WHERE CUT: This section shows a circular detail with a section number "1" and a detail number "S2.1". The detail is shown in section, with the section number "1" and the detail number "S2.1" placed outside the section line. The detail is labeled "SECTION OR DETAIL NUMBER".

DETAIL WHERE CUT: This section shows a circular detail with a detail number "A" and a detail number "S2.1". The detail is shown in section, with the detail number "A" and the detail number "S2.1" placed outside the section line. The detail is labeled "DETAIL NUMBER WHERE DETAIL IS DRAWN".

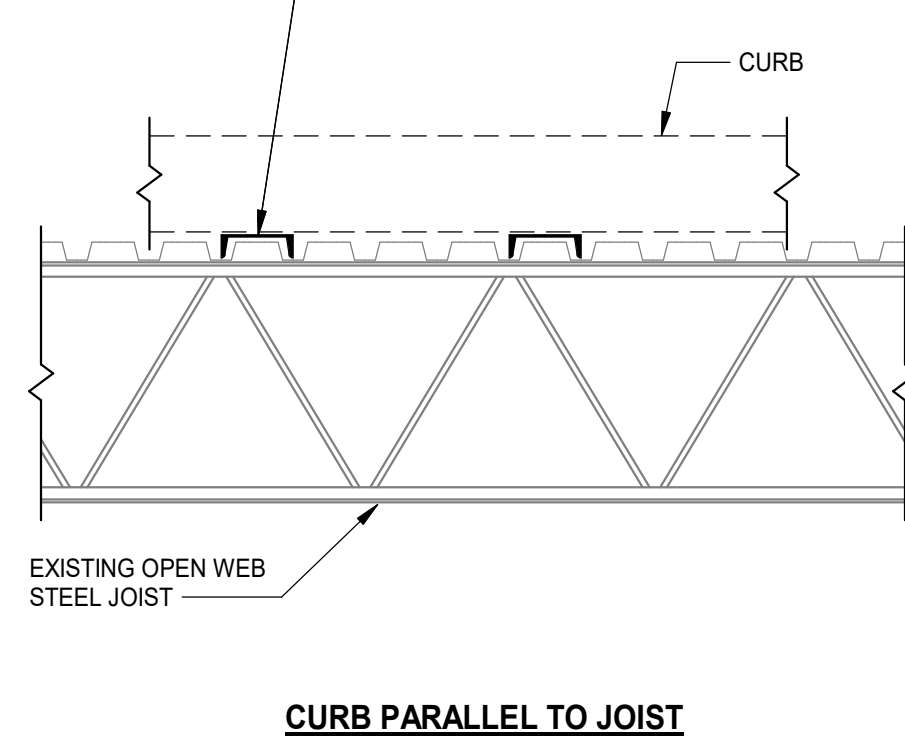
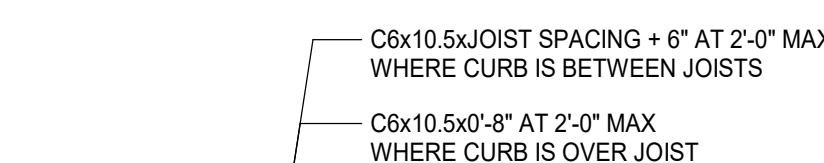
	EARTH
	CAST IN PLACE CONCRETE
	CLAY BRICK
	HOLLOW CONCRETE BLOCK
	SPLIT-FACE CONCRETE BLOCK
	GROUT FILLED CONCRETE BLOCK
	PRECAST CONCRETE, CAST STONE
	POROUS FILL OR GRANULAR BASE COURSE

AESS	ANCHOR BOLT	HS	HIGH STRENGTH
ARCH	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	HSS	HOLLOW STRUCTURAL SECTION
AF	ABOVE FINISHED FLOOR	ID	ID HEIGHT
ALLUM	ALUMINUM	HD	HOLE DIAMETER
APPROX	APPROXIMATE	IN	INCH
ARCH	ARCHITECTURAL, ARCHITECT	INFO	INFORMATION
AVG	AVERAGE	INT	INTERIOR
BF	BRACE FRAME	JBE	JOIST BEARING ELEVATION
BLDG	BUILDING	JS	JOIST SUBSTITUTE
BM	BEAM	JT	JOIST
BMC	BUILDINGS MOUNTED CANOPIES	K	JOINT
BOT	BOTTOM	KJ	KIP
BRG	BEARING	LBS	POUNDS
BTWN	BETWEEN	LLF	LINEAR FEET (FOOT)
CANT	CANTILEVER	LLV	LONG LEG HORIZONTAL
CSF	COLD FORMED STEEL FRAMING	LM	LONG LEG VERTICAL
CB	CAST IN PLACE	M	METER(S)
CJ	CONTROL JOINT	MAS	MASONRY
CLG	CEILING	MATL	MATERIAL
CLR	CLEAR	MAX	MAXIMUM
CMU	CONCRETE MASONRY UNIT	MBSA	METAL BUILDING MANUFACTURERS ASSOCIATION
COL	COLUMN	MBS	METAL BUILDING SYSTEM
CONC	CONCRETE	MECH	MECHANICAL
CONN	CONNECTION	MFR	MANUFACTURER
CONSTR	CONSTRUCTION	MIN	MINIMUM
CONT	CONTINUOUS	MM	MILLIMETER(S)
CTR	CENTER	NOM	NOMINAL
DBA	DEFORMED BAR ANCHOR	NS	NON SHRINK
DBL	DOUBLE	OC	ON CENTER
DA	DIAMETER	OD	OUTSIDE DIAMETER
DIA	DIAGONAL	OCFC	OWNER FURNISHED CONTRACTOR INSTALLED
DM	DIMENSION	OPNG	OPENING
DN	DOWN	OPPG	OPPOSITE
DWG	DRAWING	OPF	POWDER-ACTUATED FASTENERS
E	EACH	PC CONC	PRECAST CONCRETE
EJ	EXPANSION JOINT	PBFC	PRE-FABRICATED BUILDING COLUMN
EL	ELEVATION	PPT	PRESSURE PER LINEAR FOOT
ELECT	ELECTRICAL	POLY	POLYETHYLENE
ELEV	ELEVATOR	PLF	PRESSURE PRESERVATIVE TREATED
EOS	EDGE OF DECK	PSF	POUNDS PER SQUARE FOOT
EOD	EDGE OF SLAB	PTFE	POLYTETRAFLUOROETHYLENE
EQ	EQUAL	R	RADIUS
EW	EACH WAY	RD	ROOF DRAIN
EX	EXISTING	REF	REFERENCE
EXP	EXPANSION	REINF	REINFORCING, REINFORCED
EXT	EXTERIOR	REQD	REQUIRED
FX	FIXED BASE	SCH	SCHEDULING
FD	FLOOR DRAIN	SL	SIMILAR
FDN	FOUNDATION	SM	SLOPE
FF	FINISHED FLOOR	SOG	SLAB ON GRADE
FN	FINISHED	SPA	SPACES
FLR	FLOOR	SS	STAINLESS STEEL
FOB	FACE OF BRICK	STD	STANDARD
FOC	FACE OF CONCRETE	STIFF	STIFFENER
FOM	FACE OF MASONRY	STRUCT	STRUCTURAL
FRMG	FRAMING	SUSP	SUSPENDED
FRT	FIRE RETARDANT TREATED	SYM	SYMMETRY(CAL)
FT	FOOT	T&B	TOP AND BOTTOM
FTG	FOOTING	T&G	TONGUE AND GROOVE
GA	GAGE	TF	TRANSFER FORCE
GALV	GALVANIZED	TOC	TOP OF CONCRETE
GB	GRADE BEAM	TOS	TOP OF STEEL
GC	GENERAL CONTRACTOR	TOSL	TOP OF SLAB
GRD	GRADE	TOW	TOP OF WALL
HD	HEAD	TYP	TYPICAL
HK	HOOK	UNO	UNLESS NOTED OTHERWISE
HORIZ	HORIZONTAL	VB	VAPOR BARRIER
		VERT	VERTICAL
		VIF	VERIFY IN FIELD
		VR	VAPOR RETARDER
		WP	WORK POINT
		WWF	WELDED WIRE FABRIC

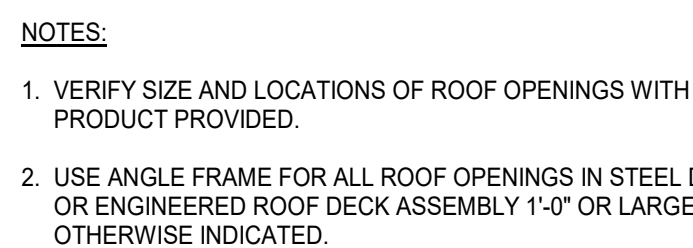
	CENTERLINE
JBE (+X-X')	JOIST BEARING ELEVATION
BP1, BP2 ...	BEAM BEARING PLATE
BP-A, BP-B ...	COLUMN BASE PLATE
H1, H2 ...	WOOD HEADER
J1, J2 ...	WOOD JOIST
T-1, T-2 ...	TRUSS
WP1, WP2 ...	WOOD POST
P-1, P-2 ...	CONCRETE PIER
JS	JOIST SUBSTITUTE
KCS	CONSTANT SHEAR JOIST
SP	SPECIAL JOIST
	WALL FOOTING STEP
	TOP OF FOOTING ELEVATION
WP	WORK POINT
	TOP OF SLAB ELEVATION
L1, L2 ...	UNTEL
	COLUMN FOOTING
(+X-X')	TOP OF STEEL BEAM ELEVATION
(J)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE IN SAME PLANE AS TOP OF JOIST
(SL)	INDICATES TOP OF STRUCTURAL MEMBER SHALL BE SLOPED
WF-X	WALL FOOTING
	THICKENED SLAB
*	STEEL JOIST BOTTOM CHORD EXTENSION, WELDED
	STEEL BEAM MOMENT CONNECTION
(EX)	EXISTING
	TRANSFER FORCE
	CMU WALL REINFORCING SIZE AND SPACING
	CHANGE IN SLAB ELEVATION
TCX	TOP CHORD EXTENSION
	GRID LINE
	EXISTING GRID LINE



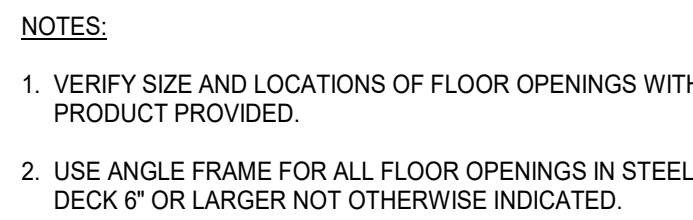
1 **SECTION**
S1.1.1 S1.1.1 $3/4" = 1'-0"$



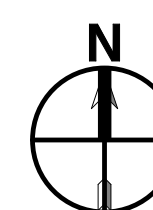
CURB PARALLEL TO JOIST



NO SCALE



NO SCALE



1/8" = 1'-0"

ROOF FRAMING PLAN NOTES

1. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
2. EXISTING ROOF CONSTRUCTION IS ASSUMED TO BE 1 1/2" STEEL ROOF DECK.
3. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS


$$1/8'' = 1'-0''$$

FLOOR FRAMING PLAN NOTES

1. TOP OF SECOND FLOOR SLAB (+14'-0") RELATIVE TO FINISHED FIRST FLOOR.
2. TOP OF STEEL BEAMS INDICATED THUS (+X'-X") ON PLAN SHALL BE REFERENCED FROM FINISHED FIRST FLOOR ELEVATION.
3. EXISTING FLOOR CONSTRUCTION IS ASSUMED TO BE 2 1/2" CONCRETE ON 1/2" DECK (3" TOTAL THICKNESS).
4. REFER TO DRAWING S0.0.1 FOR GENERAL NOTES, PLAN LEGEND, AND STRUCTURAL ABBREVIATIONS.