

MSAD #75 BOWDOIN CENTRAL SCHOOL ADA RESTROOM

CONSTRUCTION DOCUMENTS
MAY 12, 2026

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Harriman

MSAD #75
BOWDOIN CENTRAL
SCHOOL
ADA RESTROOM

BOWDOIN, MAINE
Harriman Project No. 25276



CONSTRUCTION DOCUMENTS

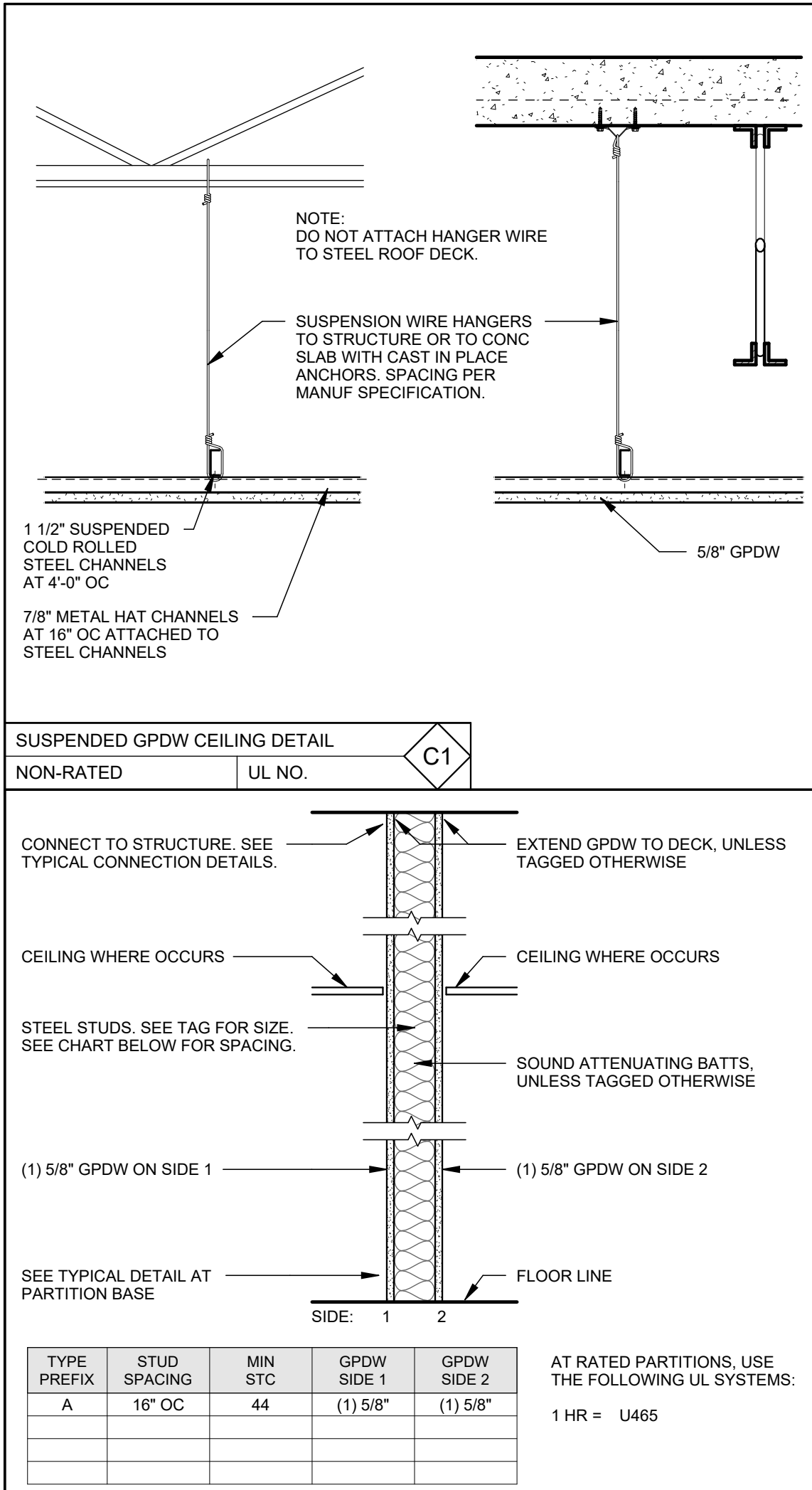
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Revision Date	Revision Description

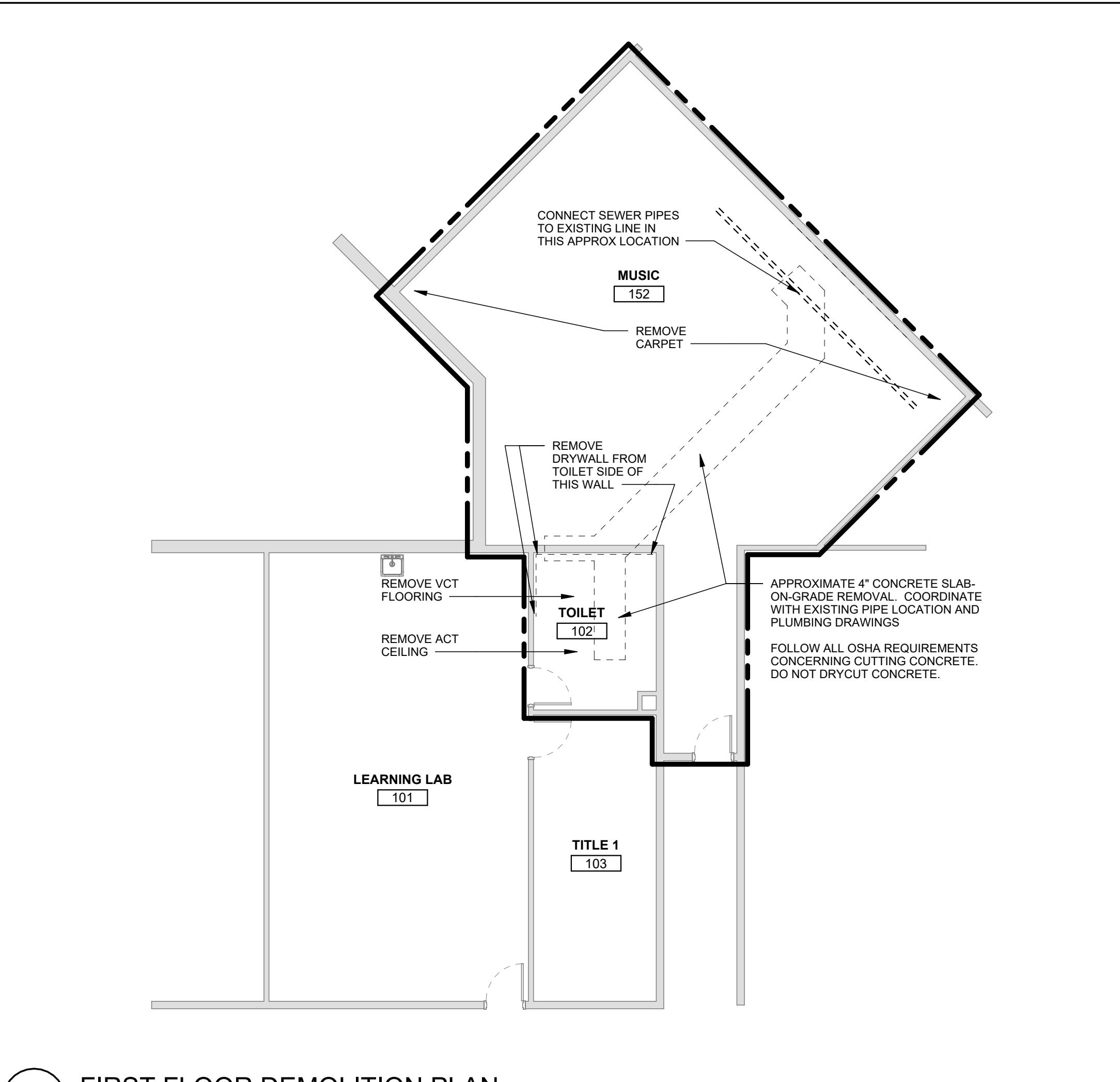
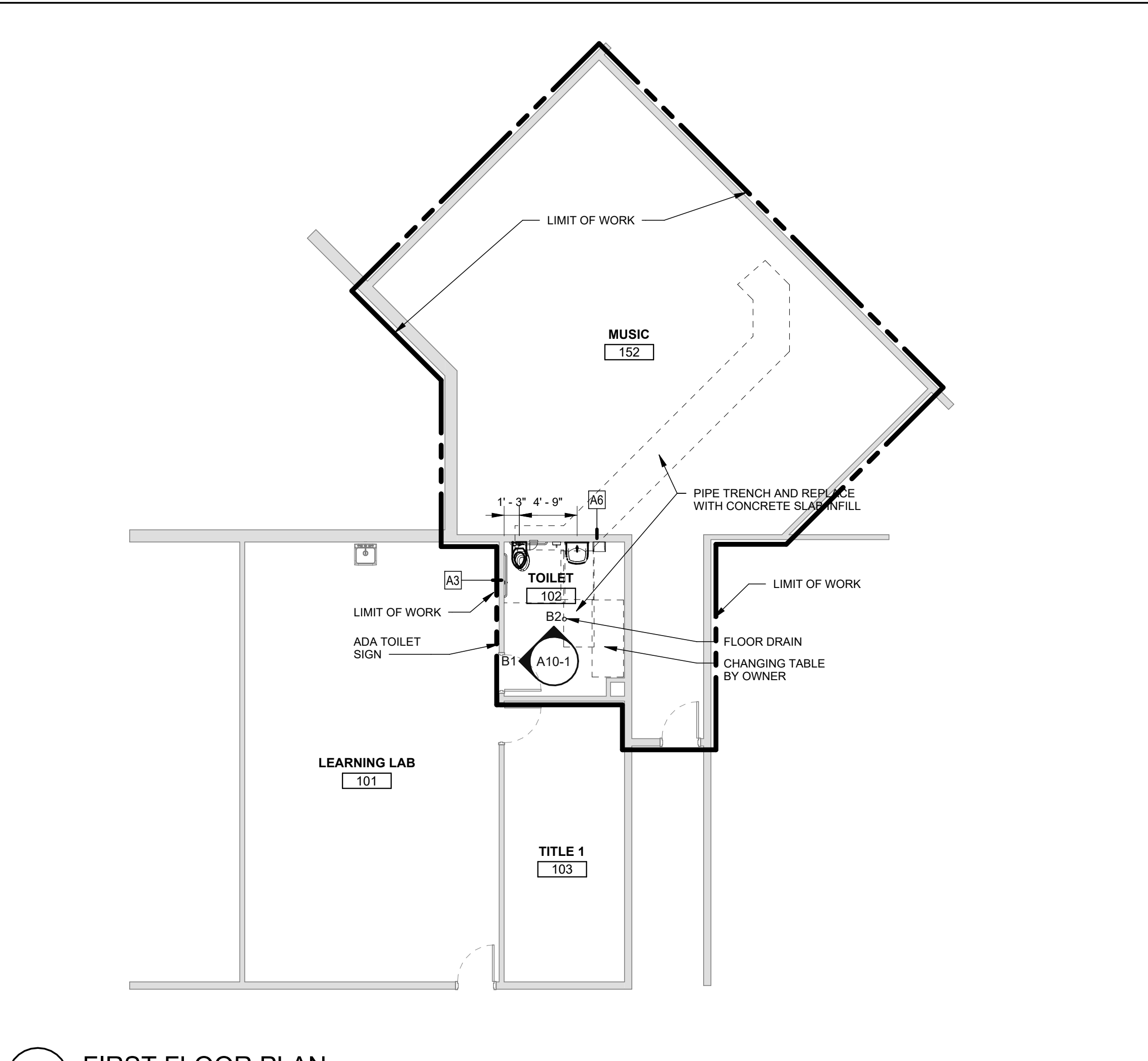
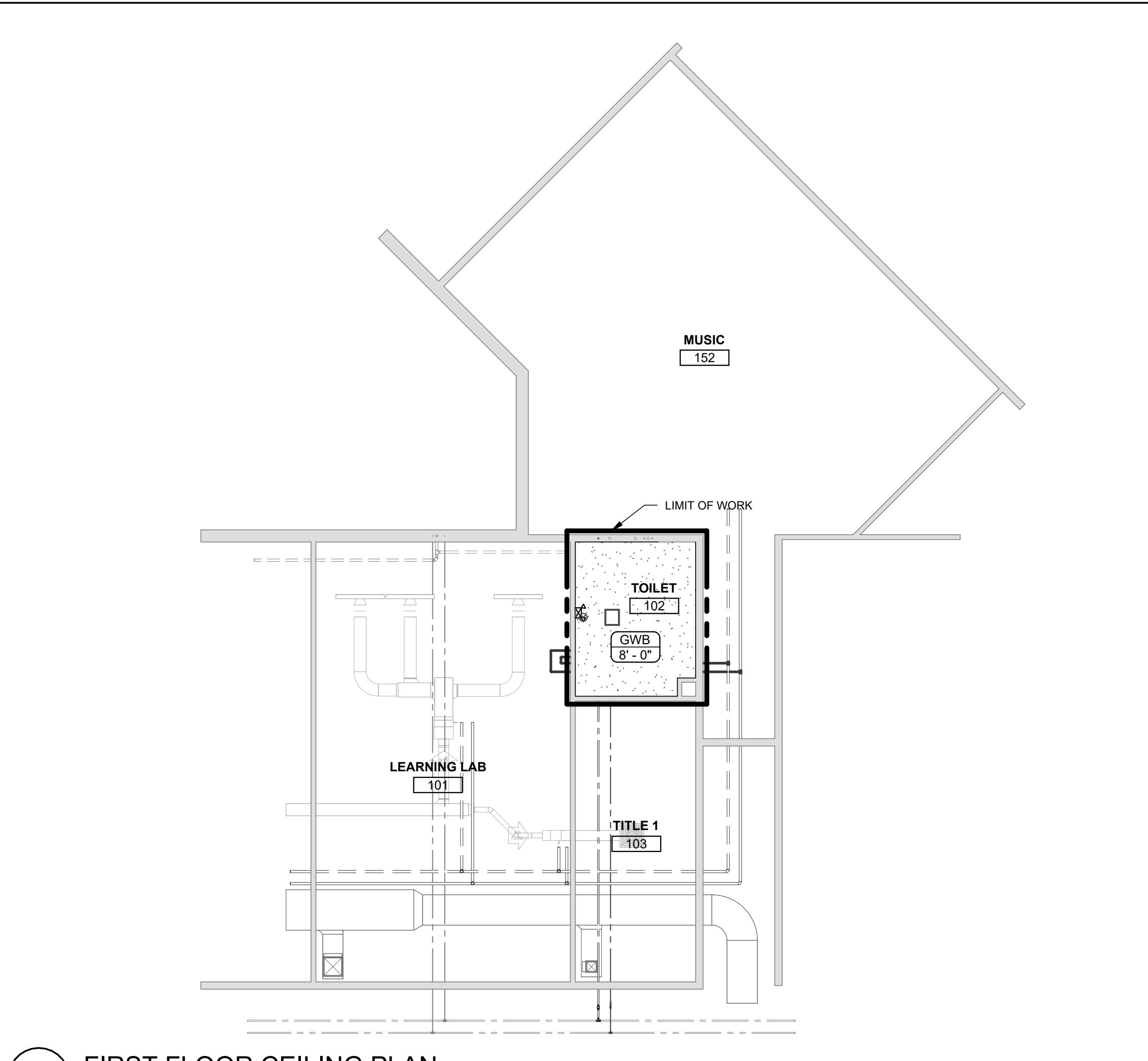
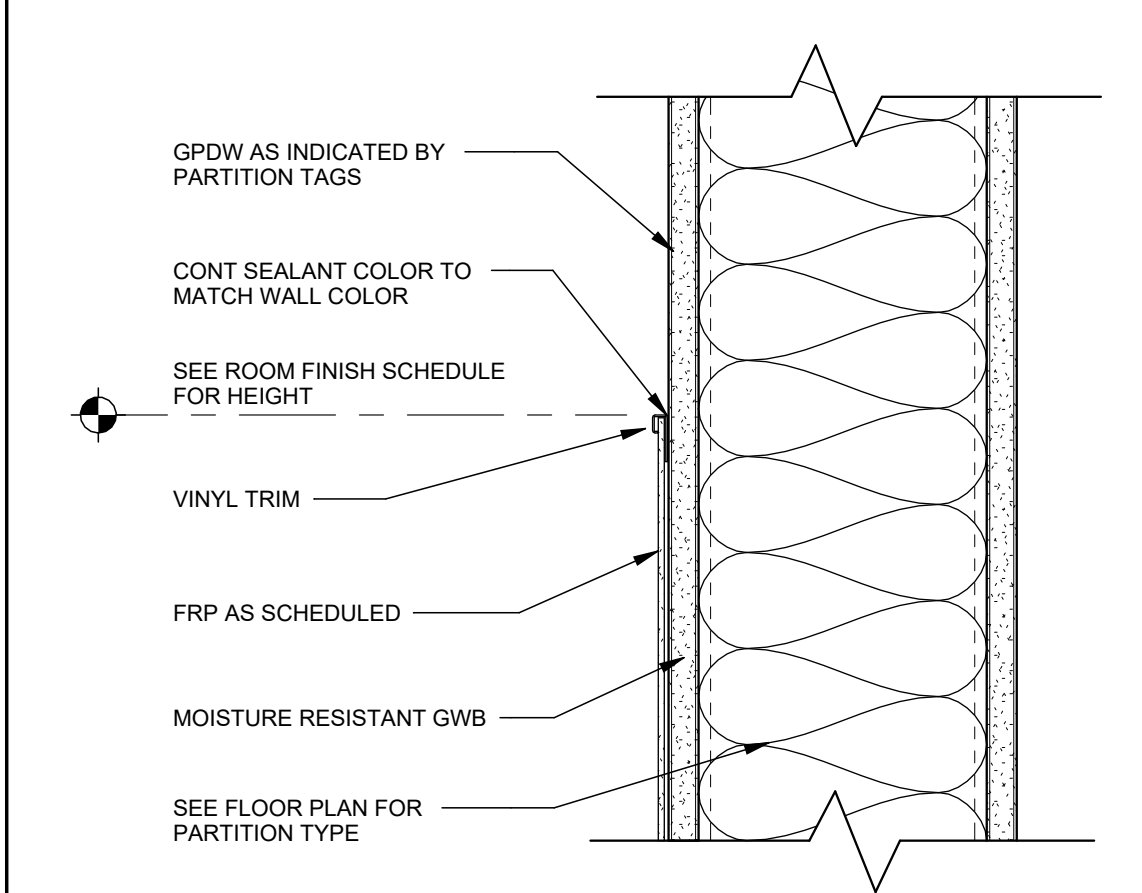
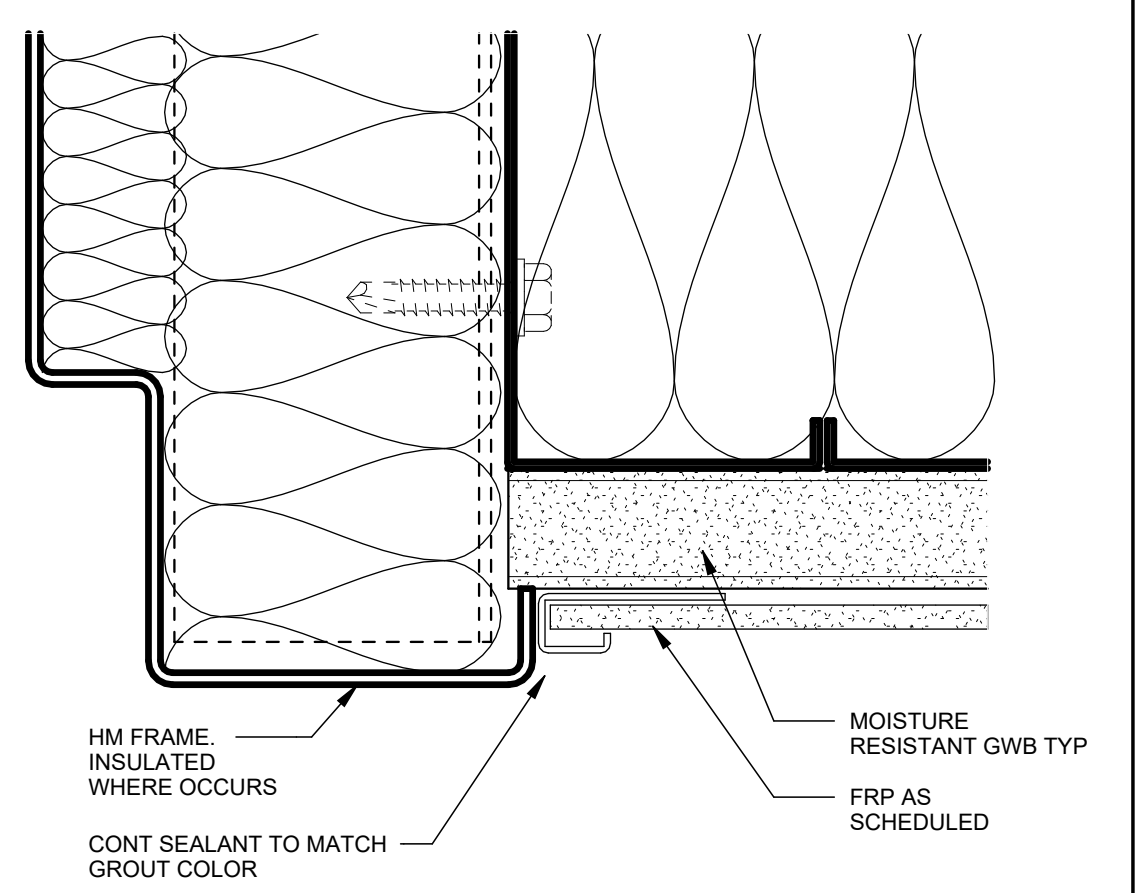
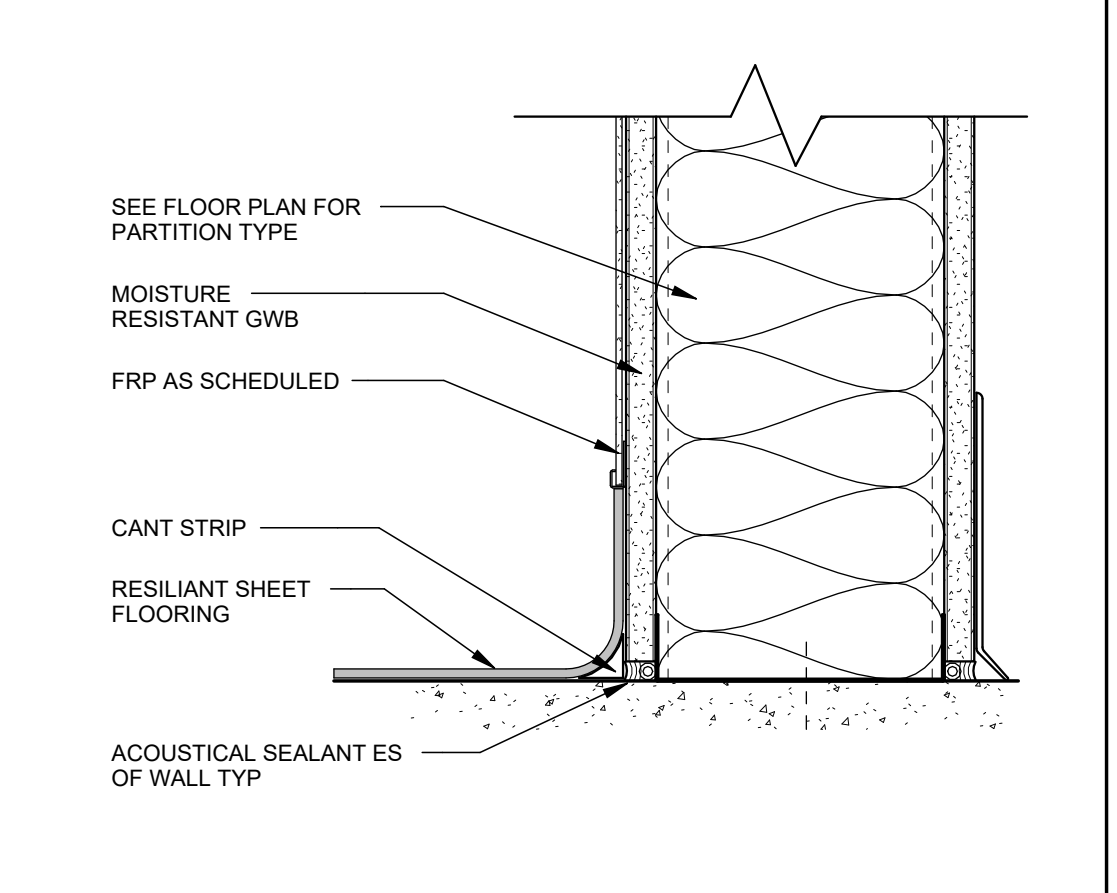
Drawn by: SJF

COVER SHEET

G00-1



A TYPE A - STEEL STUD PARTITION



MATERIALS LEGEND			
003	DECORATE FRP PANELS	FRP-1	MARLITE/SMOOTH FRP
001	CARPET TILE RUBBER BASE	CPT-1	MANNINGTON GLITCH ART COLLECTION INFINITY MODULAR
002	RESILIENT	RES-1	TARKETT GRANITE IQ
002A	RESILIENT BASE	REB-1	TARKETT GRANITE IQ INTEGRAL WALL BASE
004	WALL PAINT	PT-1	ACRYLIC SATIN WALL PAINT
004A	CEILING PAINT	PT-2	FLAT WHITE CEILING PAINT

ROOM FINISH SCHEDULE										
ROOM		FLOOR	BASE	WAINSCOT		WALLS				REMARKS
No.	NAME			CODE	HT	N	E	S	W	
1ST FLOOR										
101	LEARNING LAB									
102	TOILET	RES-1	REB-1	FRP-1	3'- 8"	RP-1/PT-1	PT-1	PT-1	PT-1	
103	TITLE 1									
152	MUSIC	CPT-1	RB-1							

SPECIFICATIONS:

DEMO: REMOVE DRYWALL FROM ALL FOUR WALLS TO EXPOSE STUDS TO ALLOW FOR WIRING, PLUMBING AND BLOCKING. DISPOSE OF ALL MATERIAL PER LOCAL REGULATIONS.

CONCRETE: 4000 PSI CONCRETE FOR SLAB-ON-GRADE INFILLS. PROVIDE #4 REBAR DOWELING PER DETAIL.

UNDERSLAB VAPOR BARRIER: STEGO WRAP VAPOR BARRIER 15 MIL. TAPE ALL SEAMS AND STEGO TO EXISTING BARRIER.

DRYWALL: 5/8" MOISTURE RESISTANT DRYWALL SHALL BE USED ON ALL WALLS AND CEILING.

PAINT: WALLS SHALL BE PRIMED AND PAINTED IN SATIN FINISH ACRYLIC ENAMEL PAINT. DOOR FRAME SHALL BE FINISHED IN SEMI GLOSS INTERIOR ACRYLIC ENAMEL PAINT. CEILING SHALL BE FINISHED IN FLAT WHITE CEILING PAINT. COLORS SHALL MATCH ADJACENT ROOM.

CARPET: MANNINGTON GLITCH ART COLLECTION INFINITY MODULAR. COLOR TBD BY THE OWNER.

FRP: MARLITE SMOOTH FRP. INSTALL PER MANUF INSTRUCTIONS WITH RECOMMENDED ADHESIVE AND COORDINATING TRIM PIECES.

RESILIENT ROLL FLOORING: TARKETT IQ GRANITE WITH 4" INTEGRAL WALL BASE. COLOR SHALL BE SELECTED BY THE OWNER. INSTALL PER MANUF INSTRUCTIONS WITH RECOMMENDED ADHESIVE APPROPRIATE FOR RH OF EXISTING CONCRETE FLOOR SLAB.

DOOR HARDWARE: EXISTING DOOR AND FRAME. REPLACE DOOR HARDWARE TO A MORTISE PRIVACY LOCK. MATCH DOOR MANUFACTURER AND SERIES TO THE EXISTING SCHOOL HARDWARE STANDARD.

TOILET PAPER DISPENSER: BOBRICK B-2740. CONTRACTOR SHALL PROVIDE BLOCKING.

SOAP DISPENSER: PROVIDED BY OWNER. CONTRACTOR SHALL PROVIDE BLOCKING.

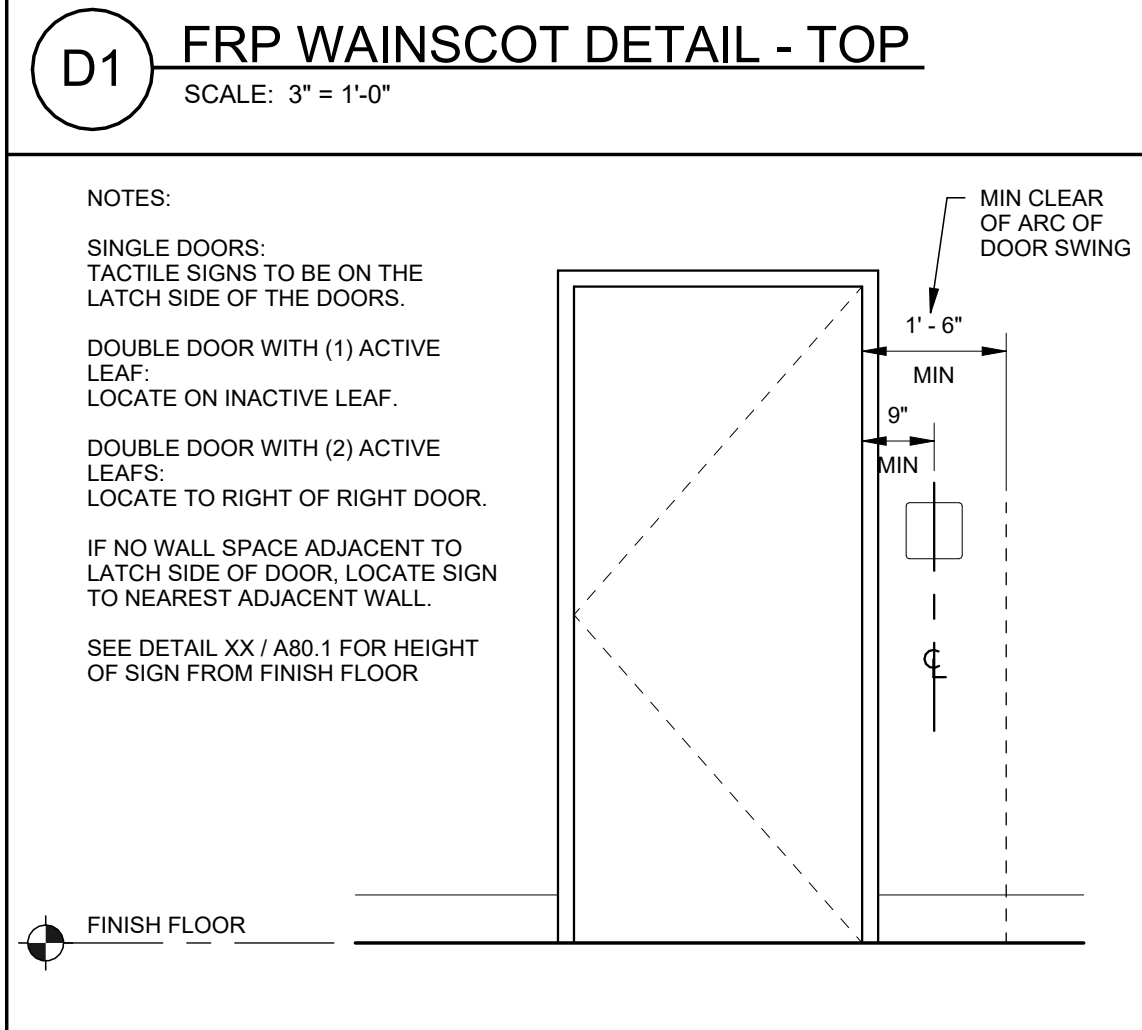
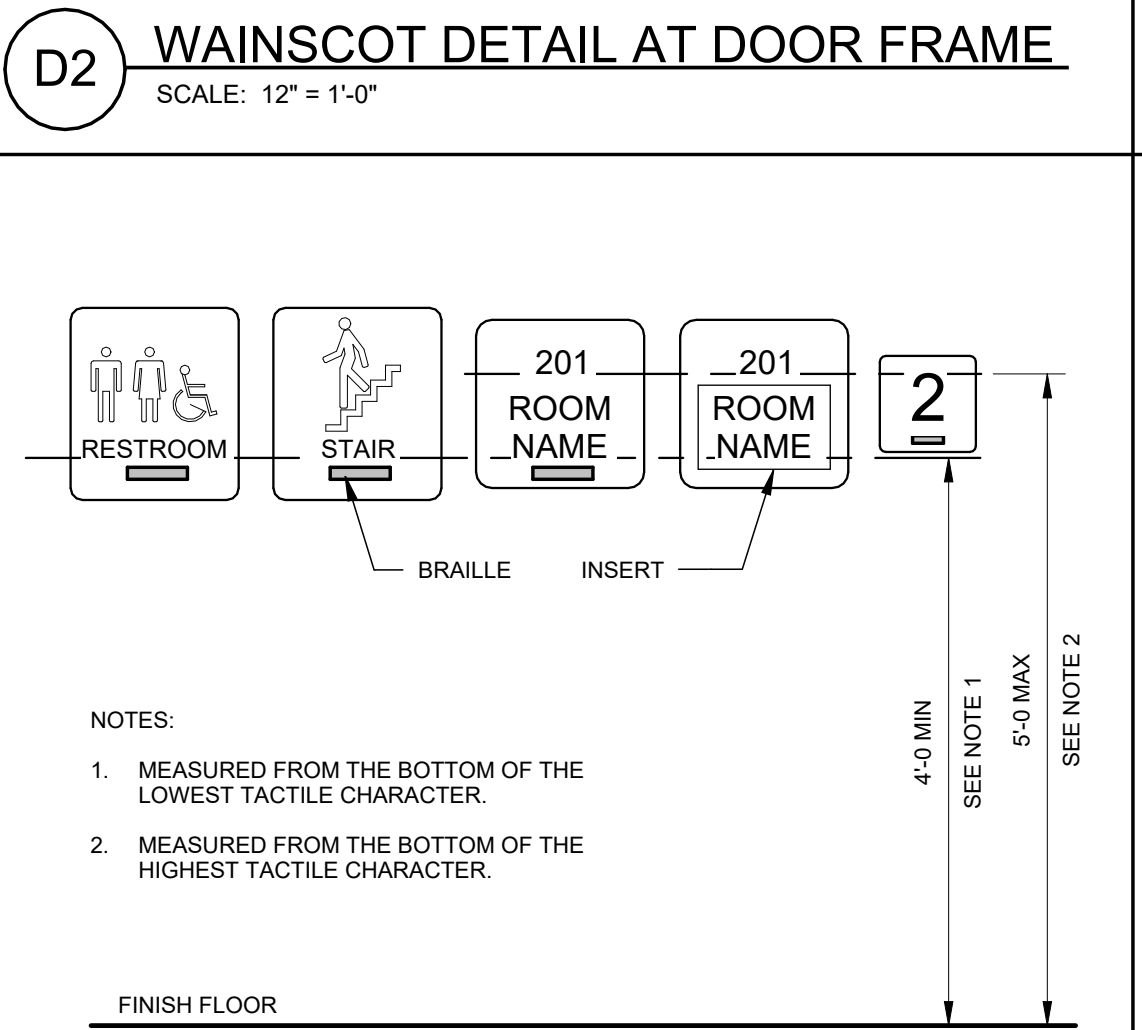
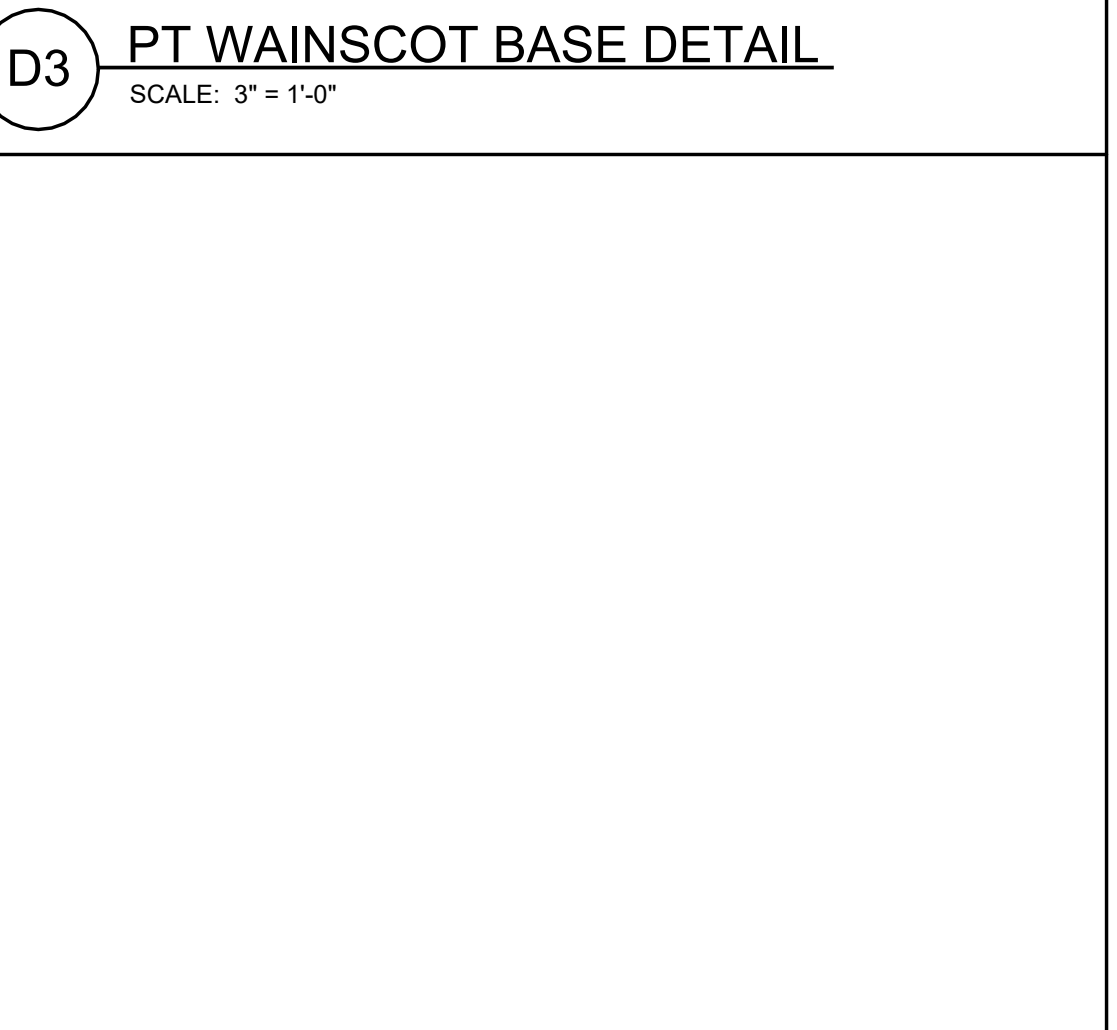
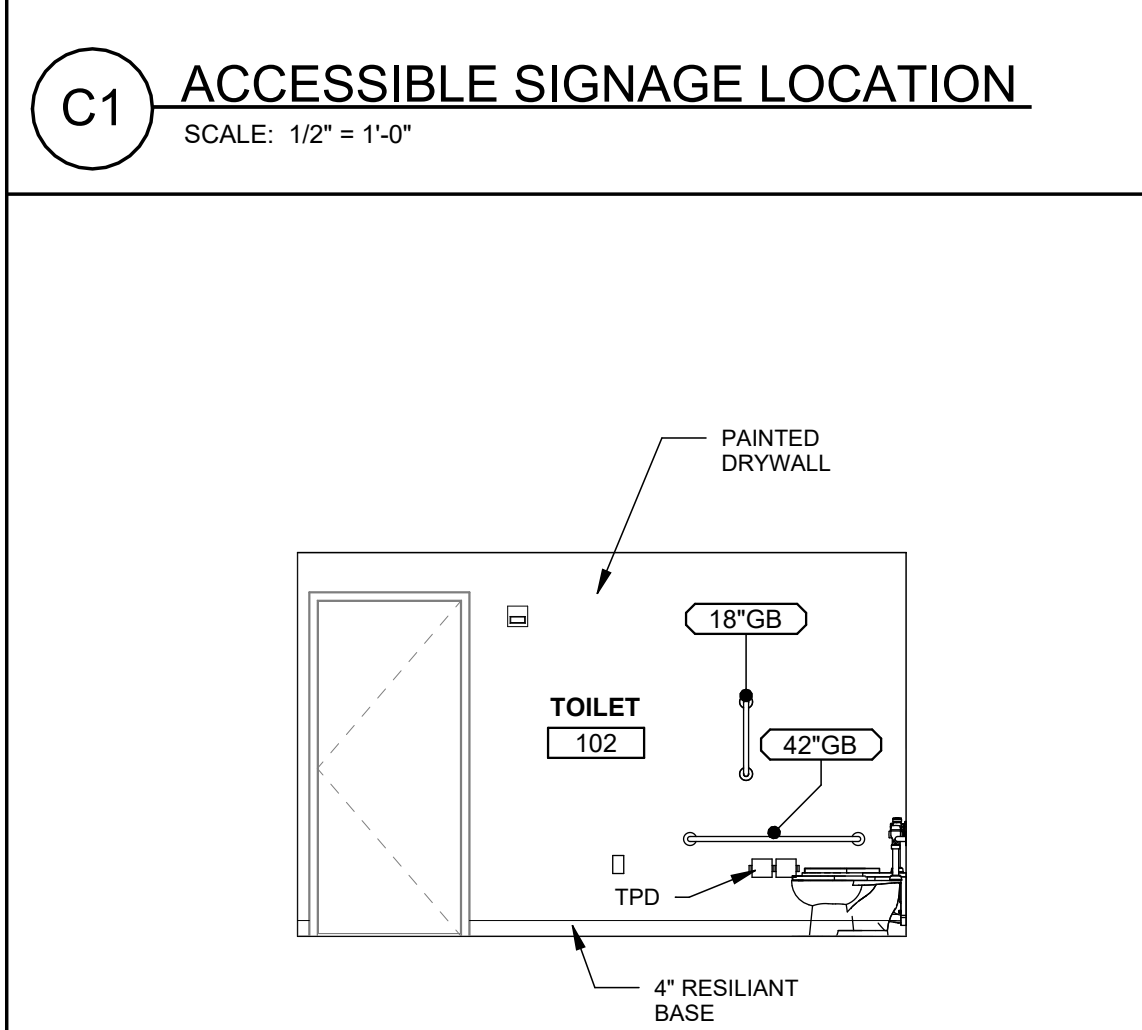
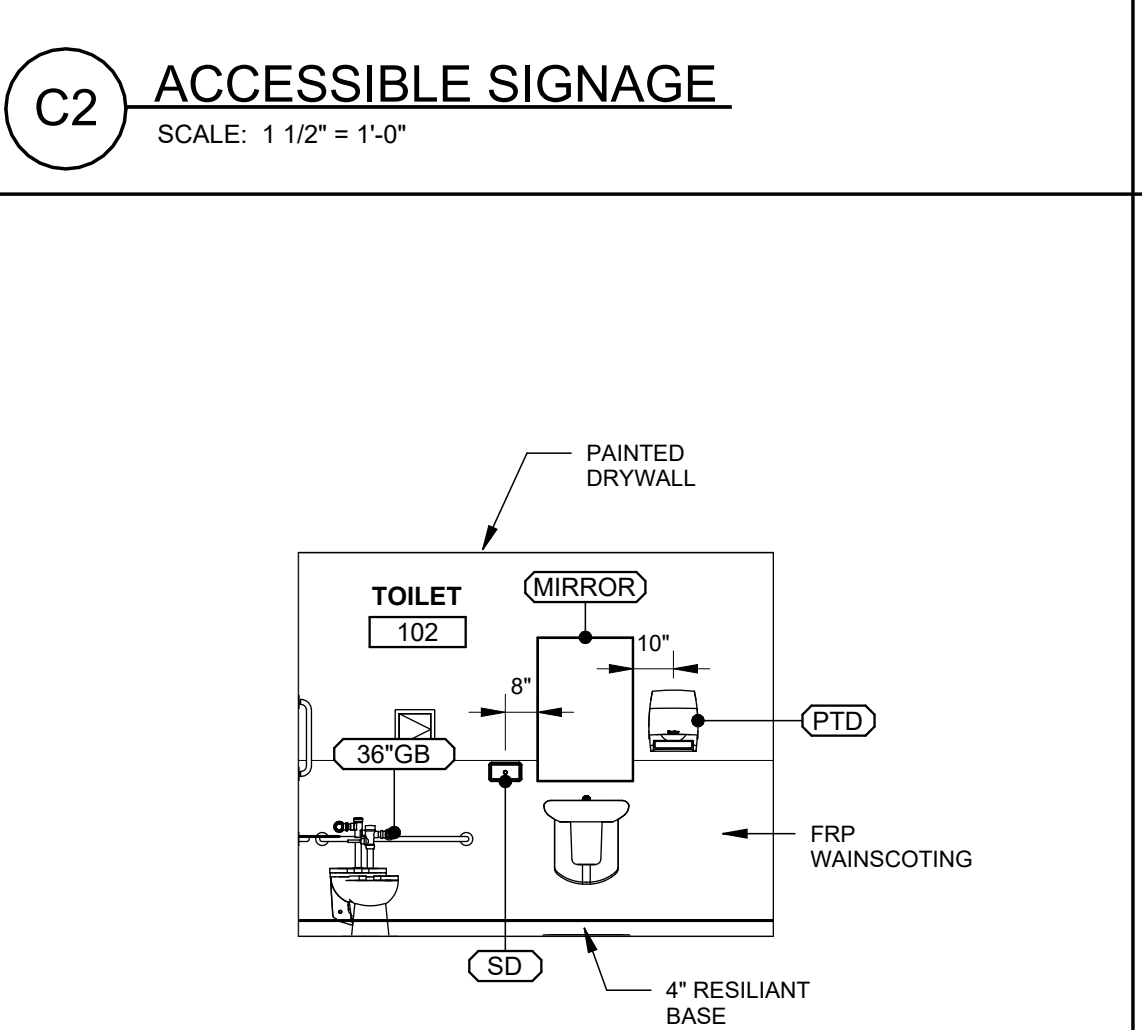
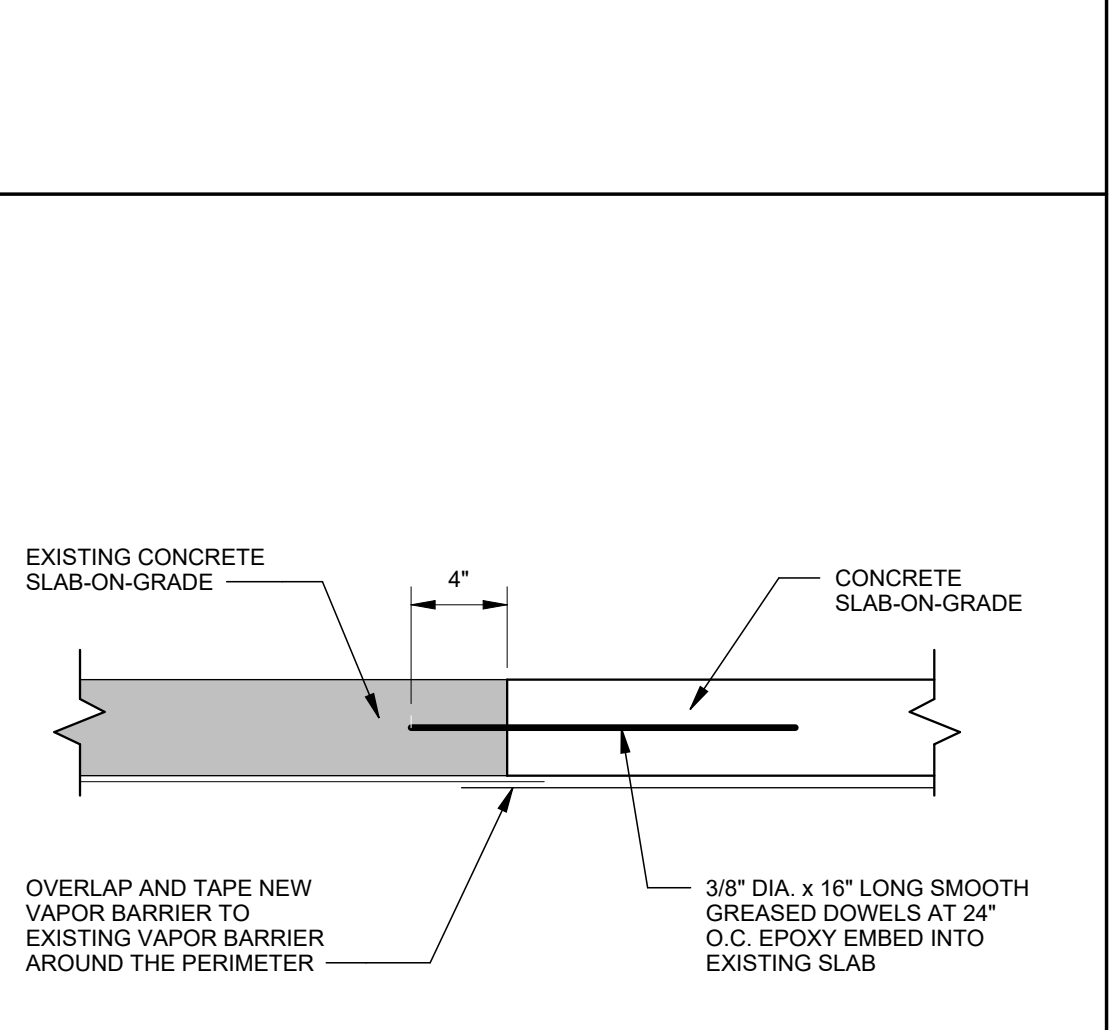
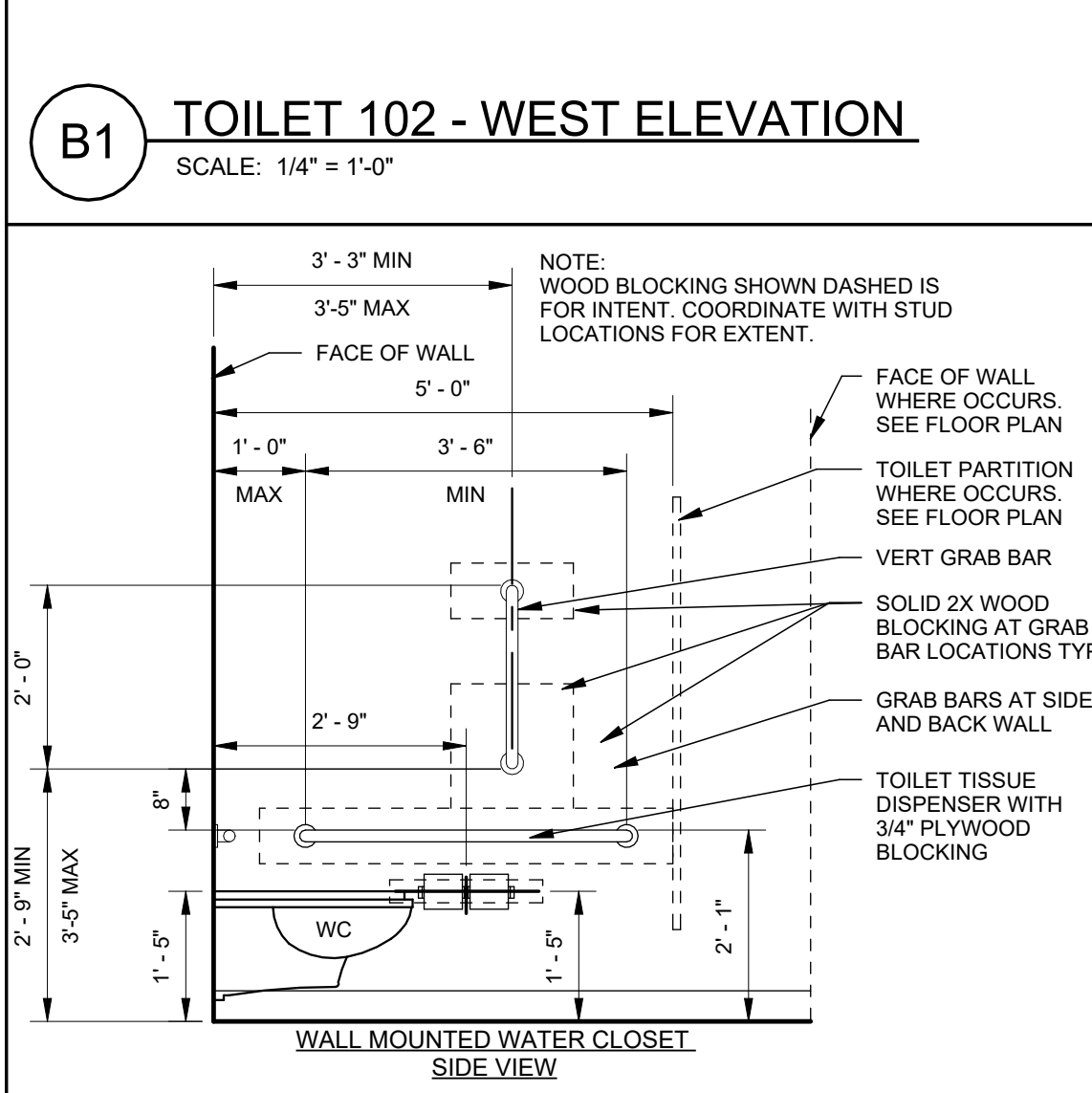
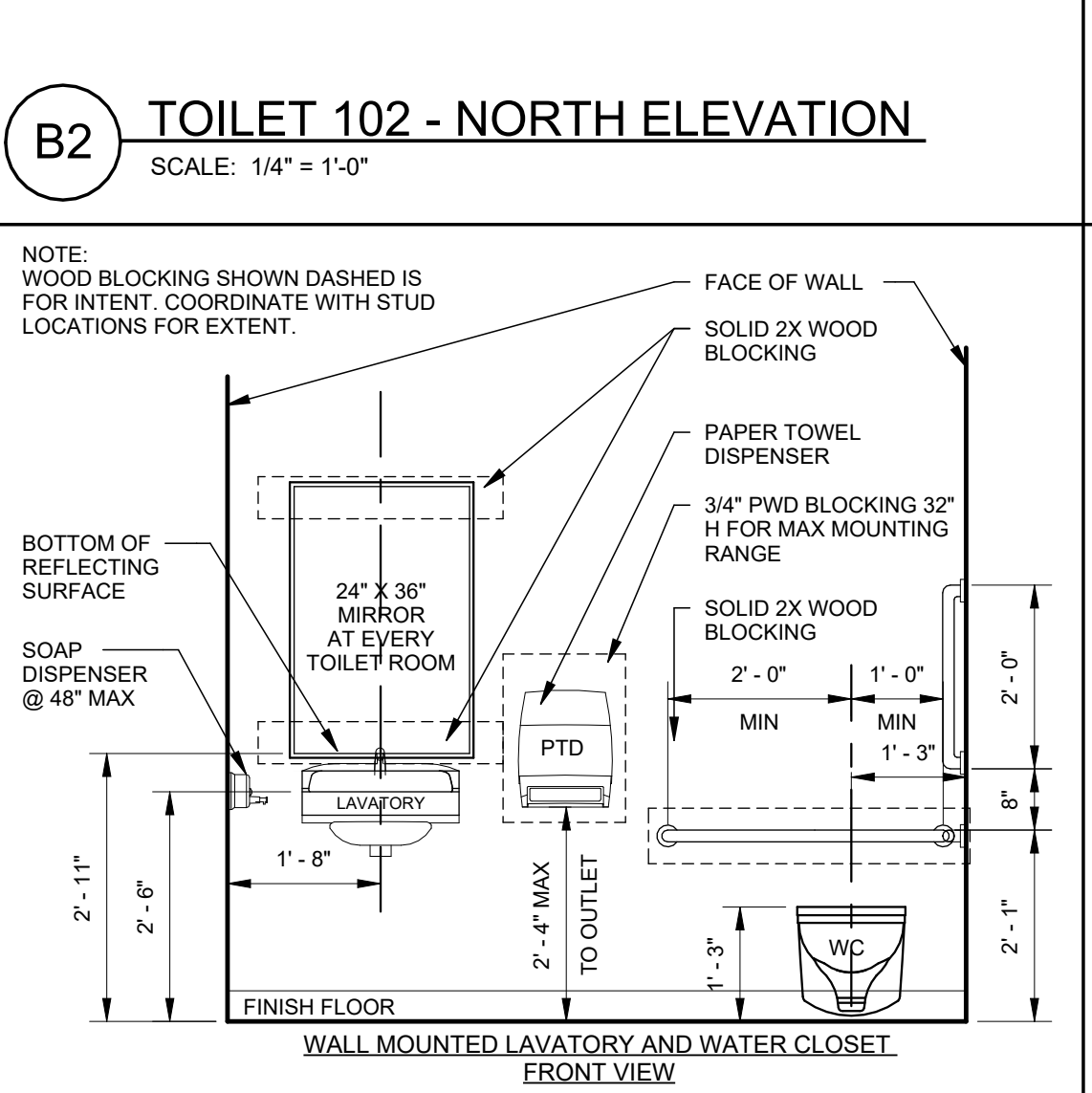
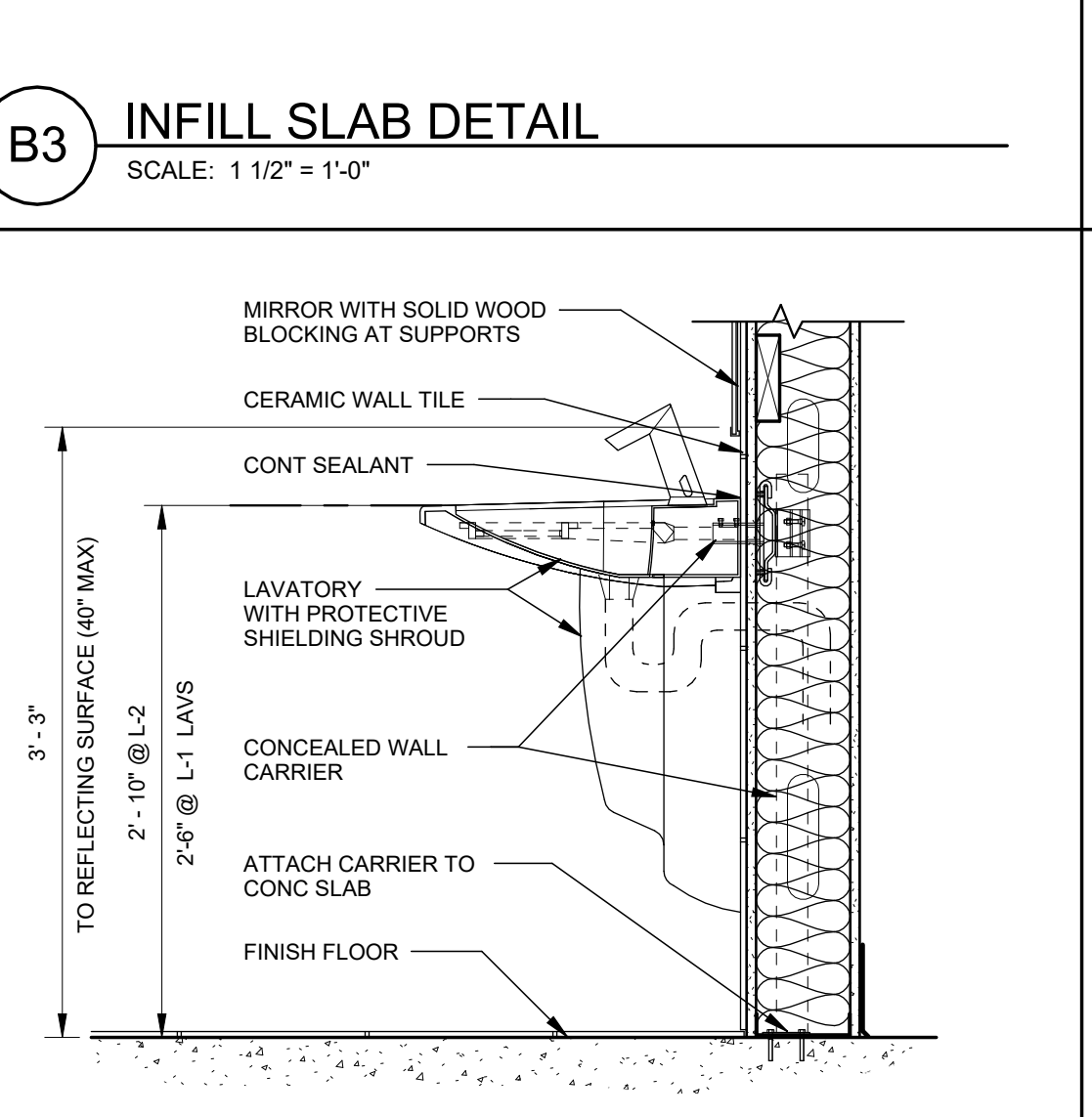
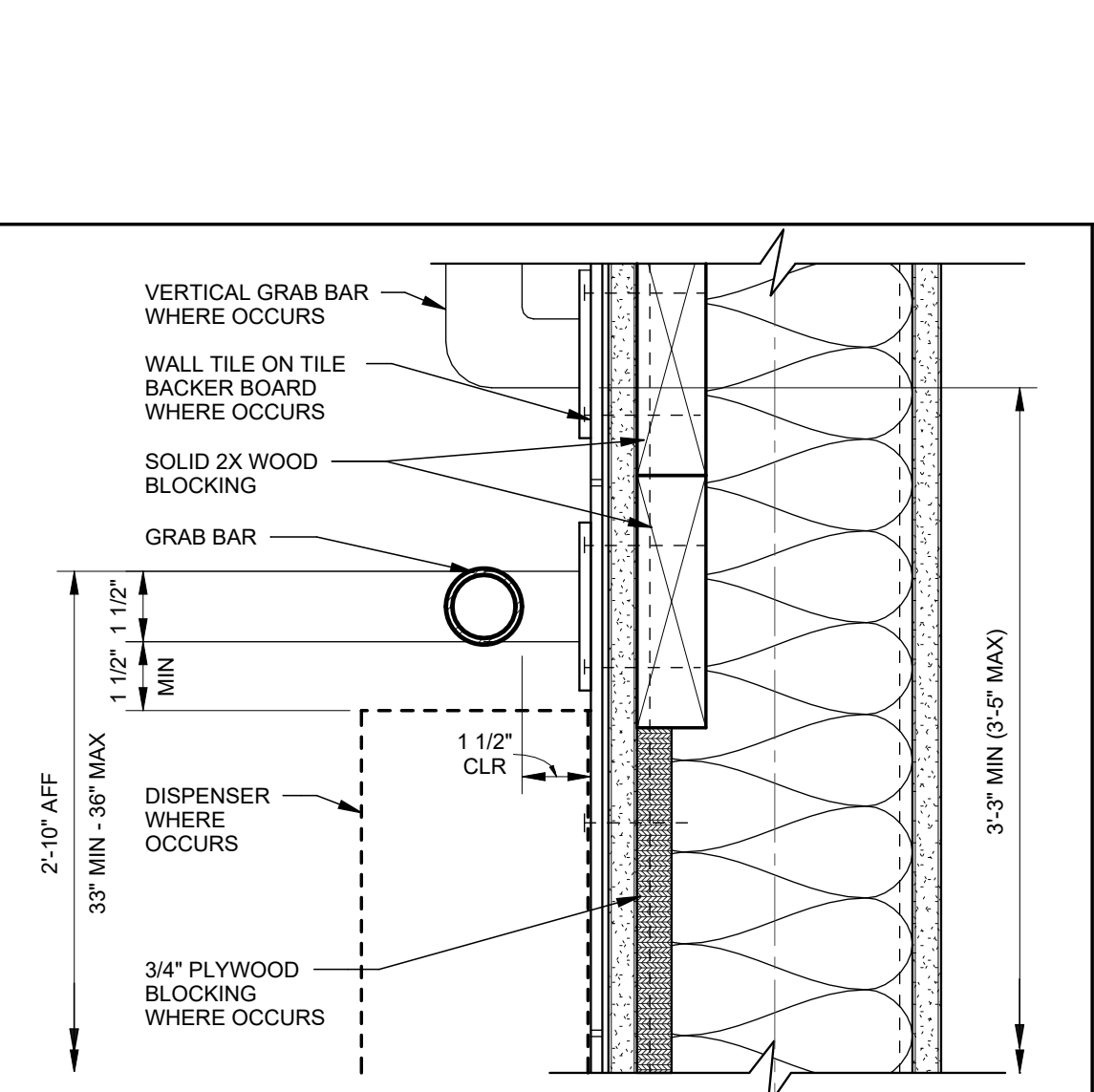
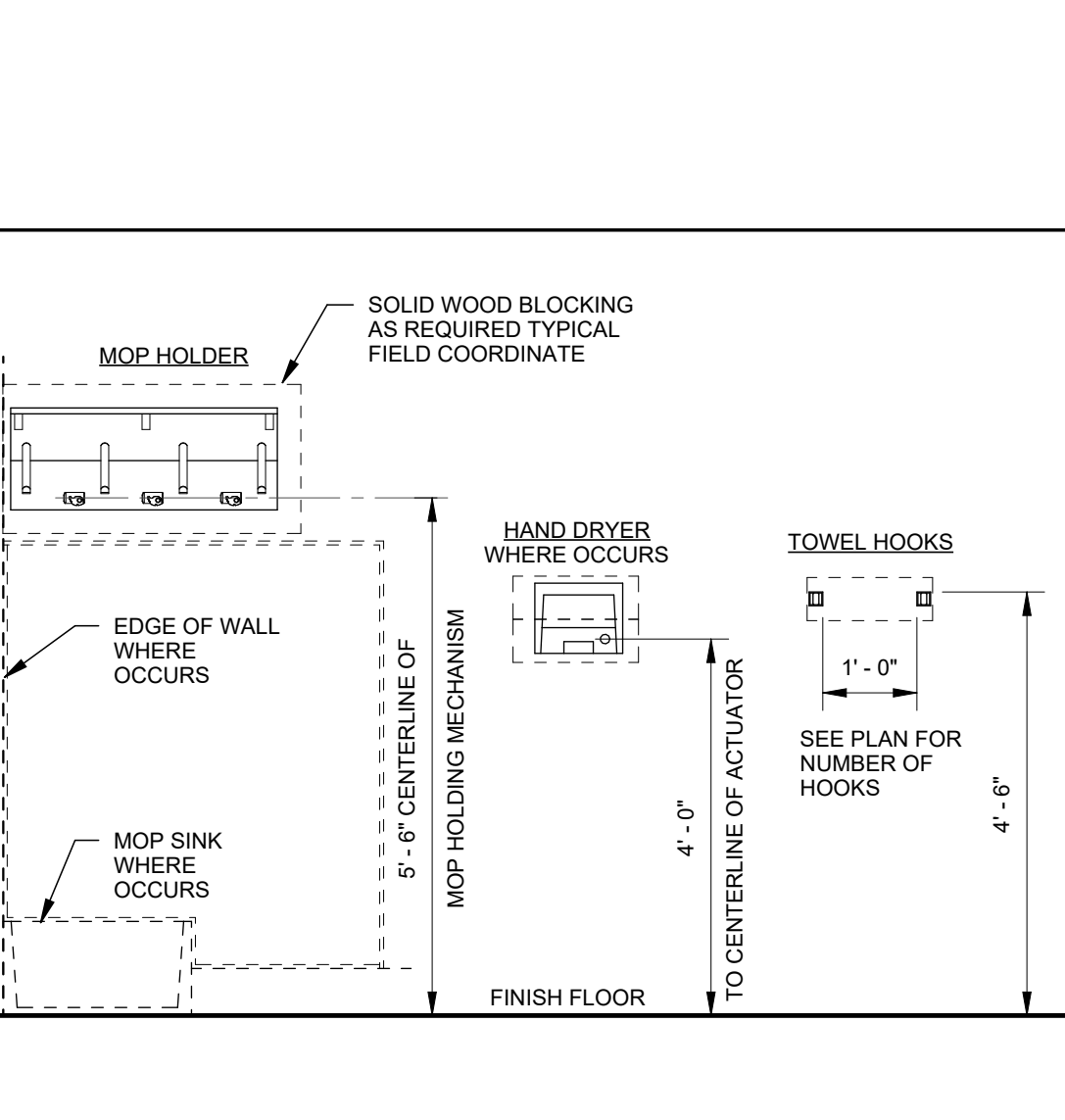
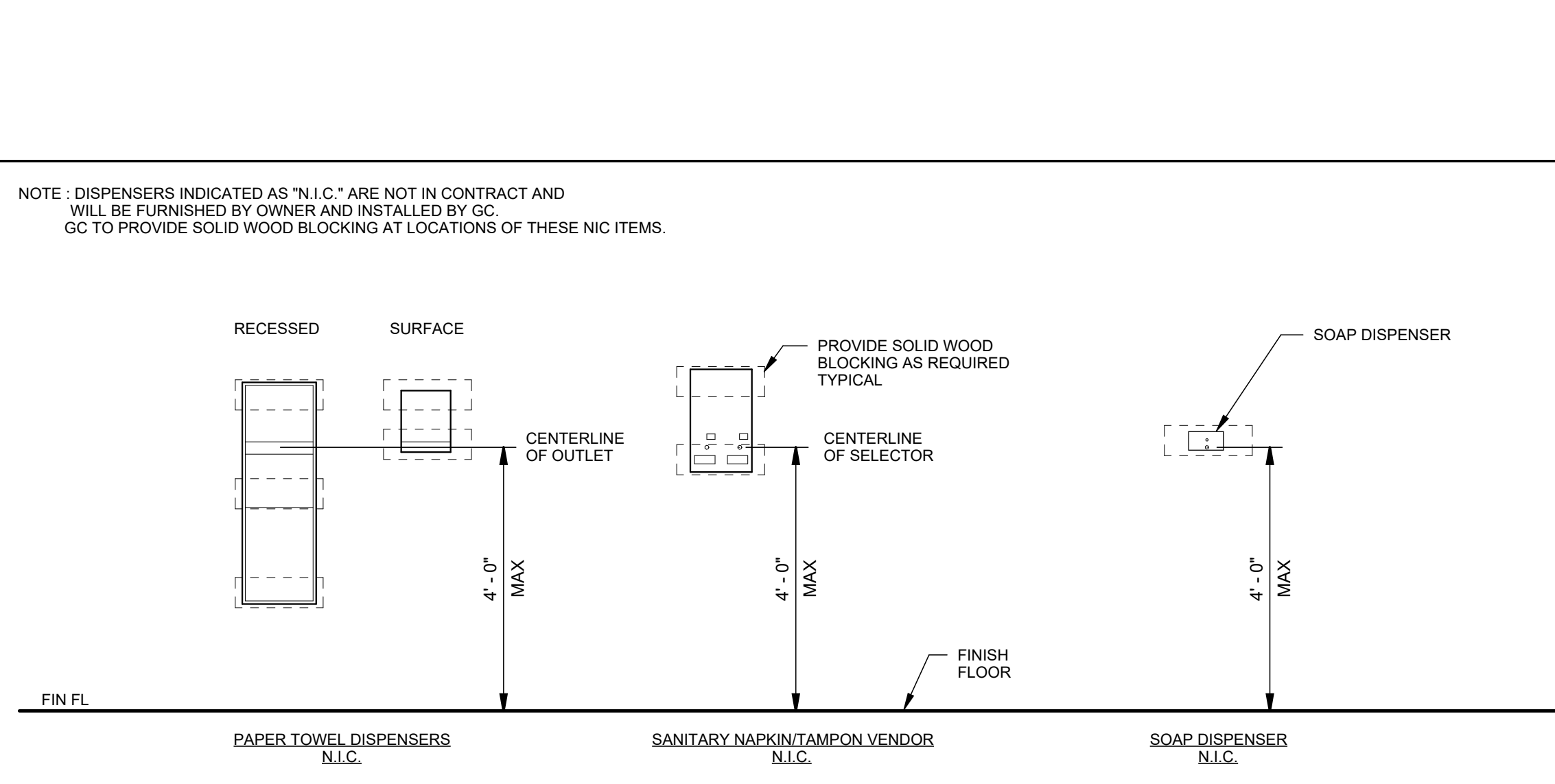
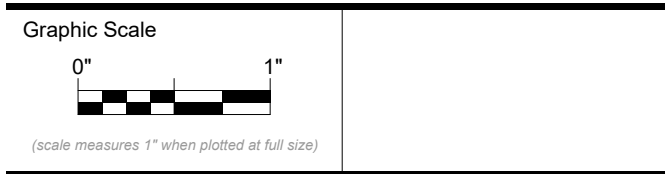
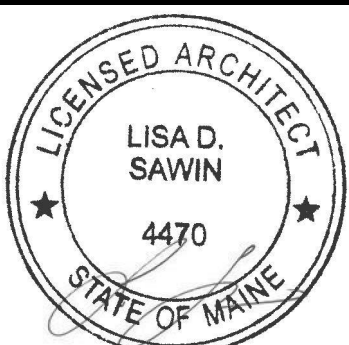
PAPER TOWEL DISPENSER: PROVIDED BY OWNER. CONTRACTOR SHALL PROVIDE BLOCKING.

ROBE HOOK: BOBRICK B-76717.

GRAB BARS: BOBRICK 24", 36" AND 42" STAINLESS STEEL B-4800.

MIRROR: BOBRICK 24" X 36" WITH STAINLESS STEEL FRAME B-165 2436.

SIGNAGE: PROVIDE ACCESSIBLE HANDICAP TOILET ROOM SIGN TO THE EXTERIOR OF THE DOOR.



CONSTRUCTION DOCUMENTS

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Drawn by: SJF

PLANS, ELEVATIONS AND DETAILS

GENERAL NOTES

- SANITARY WASTE PIPING 4" & LARGER SHALL BE INSTALLED WITH A PITCH OF 1/4" PER 1'-0".
- PLUMBING CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF UTILITIES AT ALL POINTS OF CONNECTION INDICATED ON DRAWINGS BEFORE START OF PROJECT.
- PROVIDE ISOLATION VALVES ON BRANCH PIPING TO FIXTURE GROUPS & REMOTE FIXTURES AND WHERE INDICATED ON PLANS. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED.
- PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED; EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS.
- COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS. COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRADE BEAMS, FOOTINGS, COLUMN PIERIS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRED AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED. PIPING INVERTS AND SLOPE SHALL BE CLOSELY COORDINATED TO AVOID CONFLICTS WITH ALL OTHER TRADES BELOW SLAB WORK.
- CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO THE OWNER.
- COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT ROUTE PIPING OVER ELECTRICAL PANELS.
- ALL PLUMBING FIXTURE SHUT-OFF AND/OR BALANCING VALVES INSTALLED IN PIPE CHASES SHALL BE ACCESSIBLE FROM JUST ABOVE THE CEILING LINE OR ACCESS DOORS PROVIDED LOW IN CHASE WALL. ALL PLUMBING FIXTURE SHUT-OFF AND/OR BALANCING VALVES INSTALLED IN PIPE CHASES SHALL BE ACCESSIBLE FROM JUST ABOVE THE CEILING LINE OR ACCESS DOORS PROVIDED LOW IN CHASE WALL.
- ALL UNDERSLAB PIPING SHALL BE INSTALLED TO PROVIDE NO LESS THAN 2" OF COVER BETWEEN THE PIPING AND THE FLOOR SLAB.
- OSHA RULES, REGULATIONS AND REQUIREMENTS, AND ANY STATE AND LOCAL REQUIREMENTS FOR SAFETY SHALL BE FOLLOWED BY THE CONTRACTOR.
- PROVIDE FIXTURE STOPS ON ANY WATER SUPPLY IMMEDIATELY ADJACENT TO PLUMBING FIXTURES.
- THE TERM "PROVIDE" SHALL MEAN "TO FURNISH, INSTALL AND CONNECT COMPLETELY".
- ENTIRE PLUMBING INSTALLATION SHALL BE IN COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL CODES AND STANDARDS.
- THE CONTRACTOR SHALL OBTAIN REQUIRED PERMITS AND ARRANGE FOR INSPECTIONS IN ACCORDANCE WITH STATE & LOCAL AUTHORITIES HAVING JURISDICTION.
- VOIDS BETWEEN PIPE SLEEVES AND PIPES SHALL BE FILLED WITH FIRE STOPPING WITH AN HOURLY RATING EQUAL TO THAT OF THE WALL.
- PLUMBING CONTRACTOR SHALL CONFIRM EXISTING CONDITIONS PRIOR TO THE INSTALLATION OF SYSTEMS WHICH ARE INTENDED TO TIE INTO OR REUSE ANY PART OF THE EXISTING PIPING OR EQUIPMENT.
- ALL PROPOSED SUPPLY PIPING SHALL BE INSULATED, REFER TO SPECIFICATIONS FOR INSULATION THICKNESS & ACCEPTED PRODUCTS.
- DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY THE ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- PROVIDE ALL REQUIRED PENETRATIONS IN RATED ASSEMBLIES, INCLUDING BUT LIMITED TO WALLS AND FLOORS WITH A UL APPROVED FIRESTOPPING ASSEMBLY INCLUDING LISTING LABEL OF PENETRATION AFTER PASSING THROUGH UTILITIES.
- UNLESS SPECIFICALLY NOTED ON DRAWINGS PIPING SHALL ONLY BE ATTACHED TO TOP OF STEEL BAR JOISTS AT PANEL POINTS, TOP OR BOTTOM FLANGES OF STEEL BEAMS AND SIDE OF WOODEN BEAMS. PIPING SHALL NOT BE ATTACHED TO STEEL DECK UNDER ANY CIRCUMSTANCES.

EXISTING PIPE LEGEND

	XS	EXISTING SANITARY PIPING BELOW FINISHED FLOOR
	XS	EXISTING SANITARY PIPING ABOVE FINISHED FLOOR
	XCW	EXISTING COLD WATER PIPING ABOVE FINISHED FLOOR
	XHW	EXISTING HOT WATER PIPING ABOVE FINISHED FLOOR
	XV	EXISTING VENT PIPING ABOVE FINISHED FLOOR

PIPE LEGEND

	S	PROPOSED SANITARY PIPING BELOW FINISHED FLOOR
	S	PROPOSED VENT PIPING BELOW FINISHED FLOOR
	CW	PROPOSED COLD WATER PIPING ABOVE FINISHED FLOOR
	HW	PROPOSED HOT WATER PIPING ABOVE FINISHED FLOOR
	S	PROPOSED SANITARY PIPING ABOVE FINISHED FLOOR
	V	PROPOSED VENT PIPING ABOVE FINISHED FLOOR
	C-	PIPE DROP
	O-	PIPE RISE

PIPE ACCESSORY LEGEND

	SHUT-OFF VALVE
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FIXTURE CARRIER LEGEND

	LAVATORY CARRIER
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PLUMBING FIXTURE LEGEND

	FLOOR CLEANOUT
	FLOOR DRAIN

ABBREVIATIONS LEGEND

FD-X	FLOOR DRAIN
L-X	LAVATORY
SA-X	SHOCK ARRESTOR (P.D.I. RATING)
WC-X	WATER CLOSET
CW	COLD WATER
DN	DOWN
HW	HOT WATER
S	SANITARY
V	VENT
W	WASTE
NEW	CONNECT NEW TO EXISTING

PLUMBING FIXTURE INSTALLATION SCHEDULE

FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR									
TAG	DESCRIPTION	BRANCH CONNECTION					BASIS OF DESIGN FIXTURE SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS	BASIS OF DESIGN FIXTURE SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS	MOUNTING HEIGHT TO RIM UNLESS NOTED OTHERWISE
		WASTE	VENT	COLD WATER	HOT WATER	TEMPERED WATER			
L-1	ADA COMPLIANT WALL HUNG LAVATORY	2"	1-1/2"	1/2"	1/2"	-	AMERICAN STANDARD WOODROW WITH ACOTIC SPROUD MODEL 0954-0045C-0052.00EC; PROVIDE TRAP PRIMER JAY R. SMITH MODEL 2096-ADA TRAP PRIMER SHALL BE INSTALLED PER DETAIL. PROVIDE WATTS CONCEALED ARM CARRIER.	CHICAGO FAUCET MANUAL FAUCET MODEL #101-14TERVFBGP	30"
WC-1	ADA COMPLIANT YOUTH WATER CLOSET FLOOR MOUNTED	4"	2"	1"	-	-	AMERICAN STANDARD MADENA YOUTH FLOWISE MODEL 2599-001; PROVIDE BEAMS MODEL 1055BSC TOILET SEAT	SLOAN CROWN MODEL 111-1.6	15"

DRAIN SCHEDULE

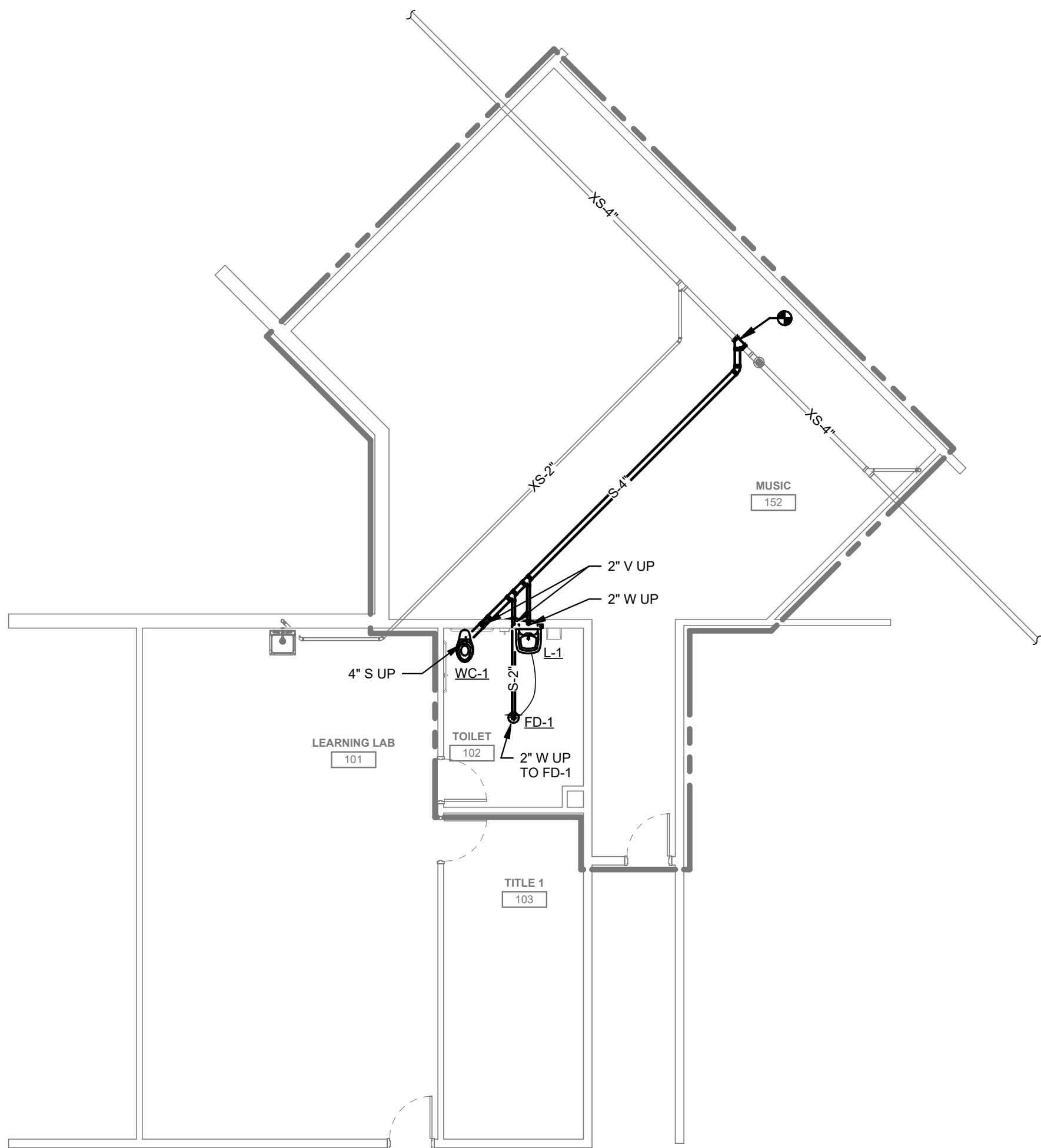
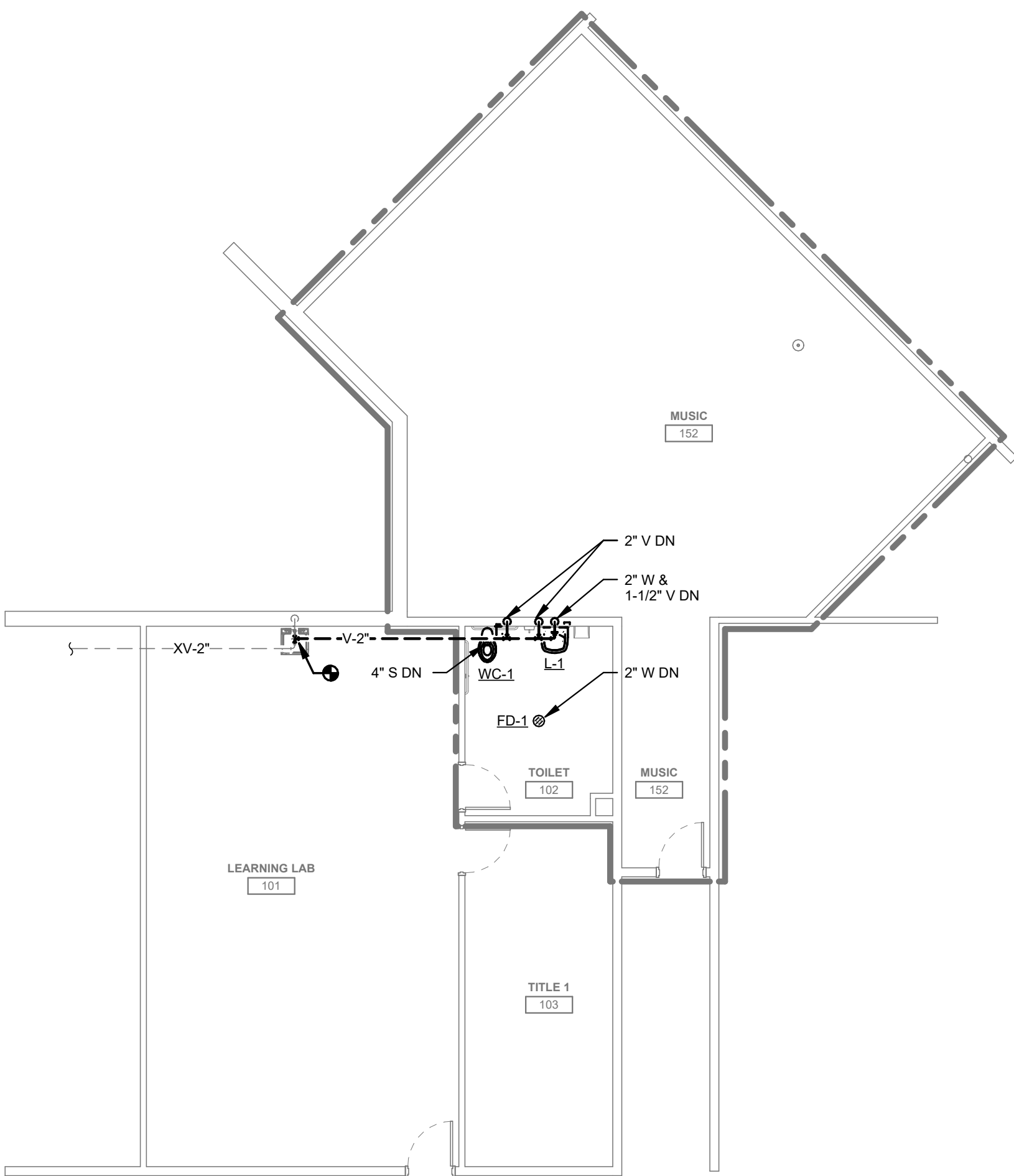
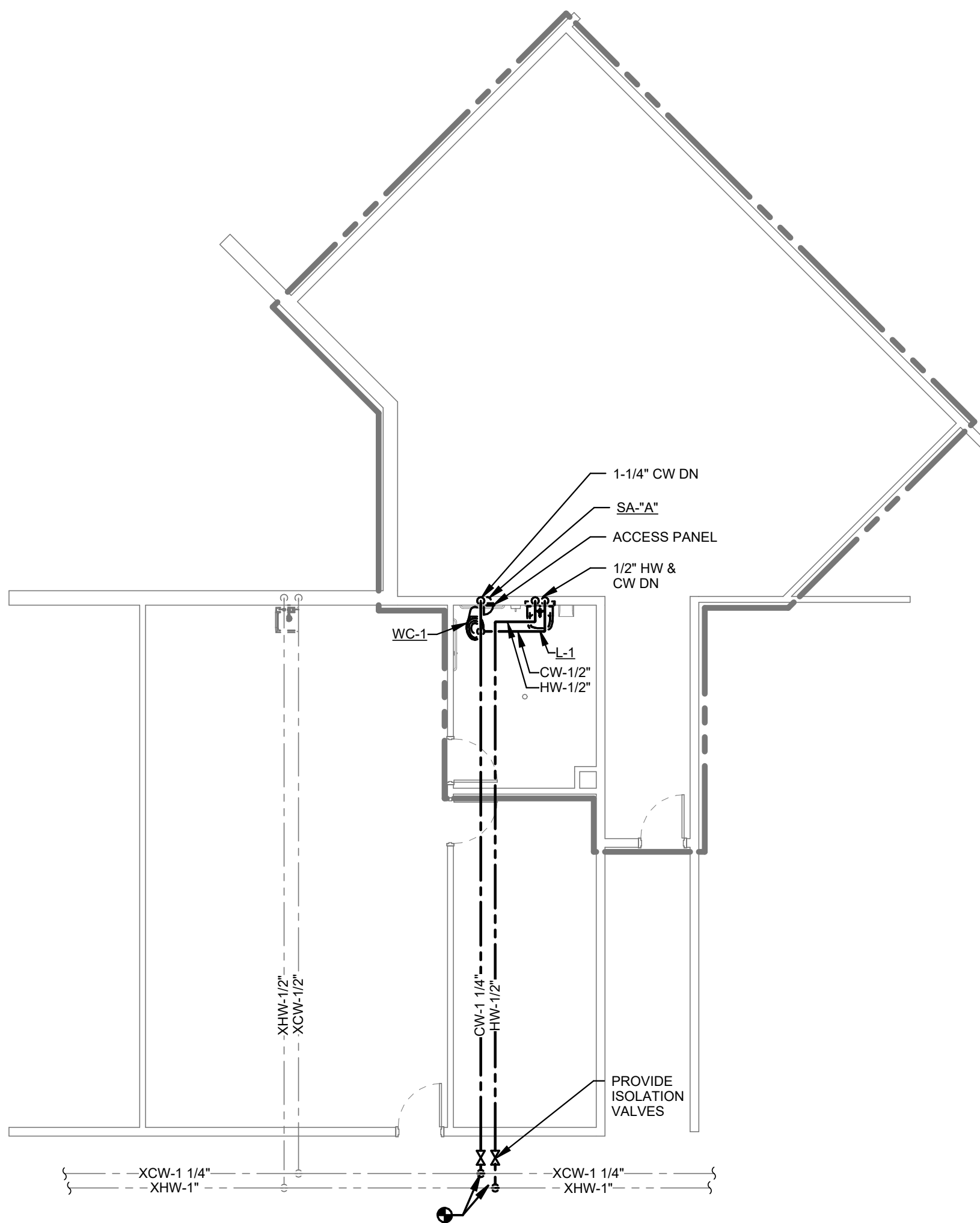
BASIS OF DESIGN DRAIN SPECIFICATIONS REFER TO THE SPECIFICATIONS FOR APPROVED EQUALS AND DETAILED DESCRIPTIONS					
TAG	DESCRIPTION	BRANCH SIZE		SPECIFICATIONS BASIS OF DESIGN	NOTES
		W	V		
FD-1	FLOOR DRAIN	2"	2"	WATTS ROUND HEAVY DUTY STAINLESS STEEL STRAINER MODEL FD-1100-2-85-6-7	

SHOCK ARRESTOR SCHEDULE

TAG	MANUFACTURER	MODEL	BRANCH CONNECTION	SUPPORTED FIXTURE UNITS
SA-X	DATEY	QUIET PIPE MODEL 3448B	1/2"	1-1/1

PLUMBING PIPING MATERIALS SCHEDULE

SYSTEM	MATERIAL
SANITARY WASTE & VENT (UNDERGROUND)	SCHEDULE 40 POLYVINYL CHLORIDE (PVC)
SANITARY WASTE & VENT (ABOVE GROUND)	SCHEDULE 40 POLYVINYL CHLORIDE (PVC)
DOMESTIC WATER SUPPLY (ABOVE GROUND)	TYPE "L" COPPER WITH PRESS FITTINGS



ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
ACV	AUTOMATIC CONTROL VALVE	IN	INCHES
AFF	ABOVE FINISHED FLOOR		
AFG	ABOVE FINISHED GRADE	LAT	LEAVING AIR TEMPERATURE
ALD	ACOUSTICAL LINED DUCT	LPCR	LOW PRESSURE CONDENSATE RETURN (LESS THAN 15 PSI)
AMS	AIRFLOW MEASURING STATION	LPS	LOW PRESSURE STEAM(LESS THAN 15 PSI)
APD	AIR PRESSURE DROP	LRA	LOCKED ROTOR AMPS
ATC	AUTOMATIC TEMPERATURE CONTROL	LSGV	LOCK & SHIELD GATE VALVE
		LWT	LEAVING WATER TEMPERATURE
B	BAROMETRIC DAMPER	M	MOTORIZED DAMPER
BD	BACKDRAFT DAMPER	MAX	MAXIMUM
BHP	BRAKE HORSEPOWER	MBH	1000 BRITISH THERMAL UNITS
BPD	BYPASS DAMPER	MCA	MINIMUM CIRCUIT AMPS
BTU	BRITISH THERMAL UNITS	MIN	MINIMUM
		MOPD	MAXIMUM OVERCURRENT PROTECTIVE DEVICE
CBD	COUNTERBALANCED BACKDRAFT DAMPER	MPCR	MEDIUM PRESSURE CONDENSATE RETURN(16-30 PSIG)
CFM	CUBIC FEET PER MINUTE	MPS	MEDIUM PRESSURE STEAM (16-30 PSIG)
CHWR	CHILLED WATER RETURN		
CHWS	CHILLED WATER SUPPLY	NA	NOT APPLICABLE
CO	CLEANOUT	NC	NOISE CRITERIA
CTE	CONNECT TO EXISTING	NIC	NOT IN CONTRACT
CWR	CONDENSER WATER RETURN	NO	NORMALLY OPEN
CWS	CONDENSER WATER SUPPLY	NTS	NOT TO SCALE
		OA	OUTSIDE AIR
DCW	DOMESTIC COLD WATER	OC	ON CENTER
DEG.F	DEGREES FAHRENHEIT	OED	OPEN END DUCT
DHW	DOMESTIC HOT WATER	OS&Y	OUTSIDE SCREW & YOKE GATE VALVE
DIA	DIAMETER		
DN	DOWN	PD	PRESSURE DROP
DTR	DUAL TEMPERATURE RETURN	PRD	PRESSURE RELIEF DAMPER
DTs	DUAL TEMPERATURE SUPPLY	PRV	PRESSURE REDUCING VALVE
		PSI	POUNDS PER SQUARE INCH
EAT	ENTERING AIR TEMPERATURE	PSIG	POUNDS PER SQUARE INCH GAUGE
ESP	EXTERNAL STATIC PRESSURE		
EWt	ENTERING WATER TEMPERATURE	RET	RETURN
EXG	EXISTING	RL	REFRIGERANT LIQUID
EXH	EXHAUST	RLA	RATED LOAD AMPERES
		RPM	REVOLUTIONS PER MINUTE
F&T	FLOAT & THERMOSTATIC TRAP	RS	REFRIGERANT SUCTION
F/S	FIRE AND SMOKE COMBINATION DAMPER	S	SMOKE DAMPER
FC	FLEXIBLE CONNECTION	SP	STATIC PRESSURE
FD	FIRE DAMPER	SS	STAINLESS STEEL
FL	FINNED LENGTH OF RADIATION	SUP	SUPPLY
FM	FLOW METER		
FOR	FUEL OIL RETURN	TEMP	TEMPERATURE
FOS	FUEL OIL SUPPLY	TT	THERMOSTATIC TRAP
FPF	FINS PER FOOT	TYP	TYPICAL
FPI	FINS PER/INCH		
FPM	FEET PER MINUTE	V	VOLUME DAMPER
FT	FEET	VFD	VARIABLE FREQUENCY DRIVE
FT-HD	FEET OF HEAD		
FT-WG	FEET WATER GAUGE	W	WITH
FTR	FIN TUBE RADIATOR	W/O	WITHOUT
		WC	WATER COLUMN
GAL	GALLONS	WG	WATER GAUGE
GPM	GALLONS PER MINUTE	WMS	WELDED WIRE MESH SCREEN
		WPD	WATER PRESSURE DROP
HP	HORSEPOWER	Z	ZONE DAMPER
HPCR	HIGH PRESSURE CONDENSATE RETURN (OVER 30 PSIG)		
HPS	HIGH PRESSURE STEAM (OVER 30PSIG)	PREFIX OF X	EXISTING
HRR	HEAT RECOVERY RETURN		
HRS	HEAT RECOVERY SUPPLY		
HWR	HOT WATER RETURN		
HWS	HOT WATER SUPPLY		

PIPING LEGEND

SYMBOL	DESCRIPTION
	EXISTING SUPPLY PIPING TO REMAIN
	EXISTING RETURN PIPING TO REMAIN
	NEW SUPPLY PIPING
	NEW RETURN PIPING
	ACV 2 - WAY
	ACV 3 - WAY
	BUTTERFLY VALVE
	CAP - PIPE
	CHECK VALVE
	COMBINATION BALANCING, FLOW MEASURING & TIGHT SHUT-OFF VALVE
	DIFFERENTIAL PRESSURE SENSOR
	FLOAT & THERMOSTATIC TRAP
	ISOLATION VALVE
	GLOBE VALVE
	INVERTED BUCKET TRAP
	LOCKSHIELD GATE VALVE
	MANUAL AIR VENT
	OS&Y GATE VALVE
	PETCOCK FOR GAUGE CONNECTION
	PIPE ANCHOR
	PIPE DOWN
	PIPE UP
	PIPE GUIDE
	PLUG VALVE
	PRESSURE GAUGE
	PRESSURE REDUCING VALVE
	PRESSURE RELIEF VALVE
	REDUCER - CONCENTRIC
	REDUCER - ECCENTRIC
	STRAINER
	TAKE - OFF FROM BOTTOM OF PIPE
	TAKE - OFF FROM TOP OF PIPE
	THERMOMETER
	THERMOMETER WELL
	THERMOSTATIC TRAP
	UNION
	RADIATION I.D. (TYPE A, 10'-0" FINNED LENGTH, BALANCED TO 1.2 GPM WITH DAMPER)
	RADIATION I.D. (TYPE A, 10'-0" FINNED LENGTH, BALANCED TO 1.2 GPM WITHOUT DAMPER)

DUCTWORK LEGEND

SYMBOL	DESCRIPTION
	EXISTING DUCTWORK TO REMAIN
	NEW DUCTWORK
	ACOUSTICALLY LINED DUCT
	AIRFLOW MEASURING STATION
	BACKDRAFT DAMPER
	COUNTERBALANCED DAMPER
	SPIRAL DUCT DAMPER
	DUCT SECTION - SUPPLY/OUTDOOR AIR
	DUCT SECTION - RETURN AIR
	DUCT SECTION - EXHAUST AIR
	DUCT TURNING VANES
	FIRE DAMPER (1 1/2 HOUR RATED)
	FIRE AND SMOKE DAMPER (1 1/2 HOUR RATED)
	FIRE DAMPER (3 HOUR RATED)
	FLEXIBLE DUCT LOUVER
	MOTORIZED DAMPER
	PRESSURE RELIEF DAMPER
	RETURN OR EXHAUST AIR
	SMOKE DAMPER
	DUCT MOUNTED SMOKE DETECTOR
	STATIC PRESSURE SENSOR
	SUPPLY OR OUTSIDE AIR
	VOLUME DAMPER
	S (SUPPLY) R (RETURN) E (EXHAUST) T (TRANSFER) SUPPLY DIFFUSER (TYPE 2) DIFFUSER DESCRIPTION (SEE REC., GRILLES & OFF SCHEDULE) QUANTITY 400 400 CFM EA

GENERAL NOTES

- VISIT THE BUILDING SITE PRIOR TO BIDDING TO BECOME FAMILIAR WITH EXISTING CONDITIONS, AND TO TAKE MEASUREMENTS AS NECESSARY FOR COMPLETION OF THE WORK ASSOCIATED WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.
- COORDINATE WORK OF MECHANICAL SUBCONTRACTOR WITH WORK OF OTHER TRADES.
- DUCTWORK, PIPING AND EQUIPMENT ARE INDICATED DIAGRAMMATICALLY. FIELD-VERIFY LOCATIONS.
- PRIOR TO FABRICATING DUCTWORK, COORDINATE WITH OTHER TRADES TO ENSURE THAT THE DUCTWORK CAN BE INSTALLED WITH THE INDICATED SIZES AND LOCATIONS.FIELD-VERIFY EXISTING DUCT SIZES AND CONDITIONS.SURMIT ANY DISCREPANCIES OR PROPOSED CHANGES.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF CEILING DIFFUSERS AND REGISTERS.
- DUCT ELBOWS SHALL BE LONG-RADIUS TYPE (THROAT RADIUS EQUAL TO OR GREATER THAN DUCT WIDTH IN THE PLANE OF THE TURN) WHEREVER SPACE ALLOWS. IF SPACE IS NOT ADEQUATE, PROVIDE MITERED ELBOWS WITH TURNING VANES.
- PROVIDE 16 GAUGE SINGLE-THICKNESS TURNING VANES AT MITERED DUCT ELBOWS. VANE EDGES (LEADING AND TRAILING) SHALL BE TANGENTIAL TO AIRFLOW.
- FLEXIBLE DUCT LENGTHS SHALL NOT EXCEED 5'-0".
- PAINT DUCTWORK VISIBLE THRU CEILING OPENINGS, DUCT OPENINGS, AND REGISTERS, GRILLES, AND DIFFUSERS WITH BLACK PAINT IN ACCORDANCE WITH DIVISION 09 SECTION "PAINTING."
- MOUNT THERMOSTATS AND TEMPERATURE AND HUMIDITY SENSORS AT 48 INCHES AFF TO TOP OF ITEM. PROVIDE ELECTRICAL WALL BOX ATTACHED TO FRAMING.
- WHERE THERMOSTATS/TEMPERATURE SENSORS ARE LOCATED NEAR LIGHT SWITCHES, INSTALL SO THAT LIGHT SWITCHES ARE NEARER TO THE DOOR JAMBS. THE INTENT IS TO LOCATE THERMOSTATS/ TEMPERATURE SENSORS SO THEY WILL NOT INTERFERE WITH ACCESSIBILITY OF LIGHT SWITCHES.
- PIPING INDICATED IN OUTSIDE WALLS SHALL BE RUN ON THE WARM SIDE OF BUILDING INSULATION AND VAPOR BARRIER. BUILDING INSULATION BEHIND SUCH PIPING SHALL BE CONTINUOUS, WITHOUT JOINTS OR GAPS.
- PIPING SHALL BE CONCEALED EXCEPT IN MECHANICAL ROOMS AND AS INDICATED. WHERE PIPES DROP IN BLOCK WALLS, PROVIDE 1/2" THICK INSULATION MINIMUM.
- SEAL DUCTWORK AND PIPING THRU MECHANICAL ROOM FLOORS AND PARTITIONS, AND THRU FIRE-RATED ASSEMBLIES, WITH FIRESTOP MATERIAL AS SPECIFIED.
- PROVIDE ALL REQUIRED PENETRATIONS IN RATED ASSEMBLIES, INCLUDING BUT LIMITED TO WALLS AND FLOORS WITH A UL APPROVED FIRESTOPPING ASSEMBLY INCLUDING LISTING LABEL, OF PENETRATION AFTER PASSING THROUGH UTILITIES.
- UNLESS SPECIFICALLY NOTED ON DRAWINGS PIPING SHALL ONLY BE ATTACHED TO TOP OF STEEL BAR JOISTS AT PANEL POINTS, TOP OR BOTTOM FLANGES OF STEEL BEAMS AND SIDE OF WOODEN BEAMS. PIPING SHALL NOT BE ATTACHED TO STEEL DECK UNDER ANY CIRCUMSTANCES.

DEMOLITION NOTES

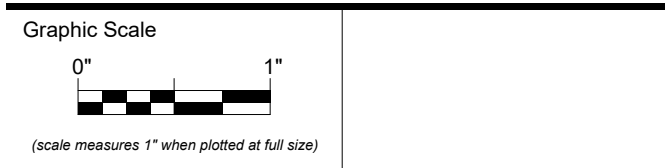
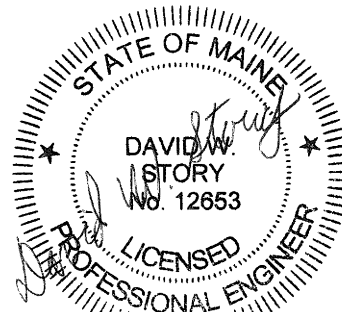
- DURING DEMOLITION PROPERLY CAP AND PROTECT ALL PIPING & DUCTWORK THAT WILL REMAIN IN OPERATION.
- WHERE EXISTING INSULATION TO REMAIN IS DAMAGED BY THE REQUIREMENTS OF WORK, REPLACE ANY DAMAGED INSULATION IN KIND.
- MECHANICAL CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR DISTRIBUTION OF RESPONSIBILITY AMONGST CONTRACTORS FOR SPECIFIC PORTIONS OF CUTTING AND PATCHING WORK. PLUMBING CONTRACTOR SHALL COORDINATE ALL CUTTING AND PATCHING WORK WITH ALL OTHER CONTRACTORS INVOLVED AS DEFINED IN THE SPECIFICATIONS.
- LOCATION OF EXISTING PIPING & DUCTWORK AS SHOWN ON DRAWINGS IS APPROXIMATE.
- COMPLETELY REMOVE ALL EQUIPMENT AS INDICATED & OR MISCELLANEOUS ARTICLES IN THEIR ENTIRETY INCLUDING AUXILIARY EQUIPMENT, PIPING, WIRING & CONDUIT.
- INCLUDE ALL DEMOLITION OF SYSTEMS AND COMPONENTS WHERE SYSTEMS SHALL BE REPLACED BY NEW WORK. REFER TO THE DRAWINGS & SPECIFICATIONS FOR SCOPE OF NEW & RECONNECTED WORK. THE INTENT OF THIS REQUIREMENT IS TO HAVE THE CONTRACTOR DISCONNECT, DEMOLISH & REMOVE ALL EXPOSED & CONCEALED WORK WHERE BEING REPLACED OR CONNECTED TO THE PROPOSED LAYOUTS.
- COORDINATE ELECTRICAL POWER DISCONNECTION PRIOR TO DEMOLITION WITH ELECTRICAL CONTRACTOR.
- ALL PIPING & DUCTWORK TO REMAIN SHALL HAVE ENDS TERMINATED IN A NEAT MANNER READY FOR CONNECTION OF NEW WORK. ALL EXPOSED ENDS OF PIPING SHALL BE CAPPED.
- EXISTING PIPING NOT TO BE REUSED, NOT SUPPLYING ANY EQUIPMENT AND NOT SPECIFICALLY NOTED OR SHOWN ON DRAWINGS TO BE ABANDONED, SHALL BE COMPLETELY REMOVED.
- CONTRACTOR SHALL CLEAN UP, REMOVE AND DISPOSE OF ALL DEBRIS AND DISCARDED ITEMS UPON COMPLETION OF CONSTRUCTION TO BE READY FOR A NEW OCCUPANCY CONDITION.
- DEMOLISH & COMPLETELY REMOVE EXISTING CONDITIONS DESIGNATED BY A HEAVY DASHED LINE UNLESS NOTED OTHERWISE. REFER TO LEGEND AND DEMOLITION PLANS FOR SCOPE OF WORK.

CONTROLS LEGEND

SYMBOL	DESCRIPTION
	HUMIDISTAT
	HUMIDITY SENSOR
	TEMPERATURE SENSOR
	THERMOSTAT
	THERMOSTAT COOLING
	THERMOSTAT HEATING
	THERMOSTAT - NIGHT
	THERMOSTAT - HEATING/COOLING

GENERIC LEGEND

SYMBOL	DESCRIPTION
	CONNECT NEW TO EXISTING
	COMPLETELY REMOVE EQUIPMENT, DUCTWORK, OR PIPING
	EXISTING EQUIPMENT TO REMAIN
	NEW EQUIPMENT
	SECTION I.D. (SECTION A SHOWN ON DWG. M10-1)



CONSTRUCTION DOCUMENTS

MAY 12, 2025

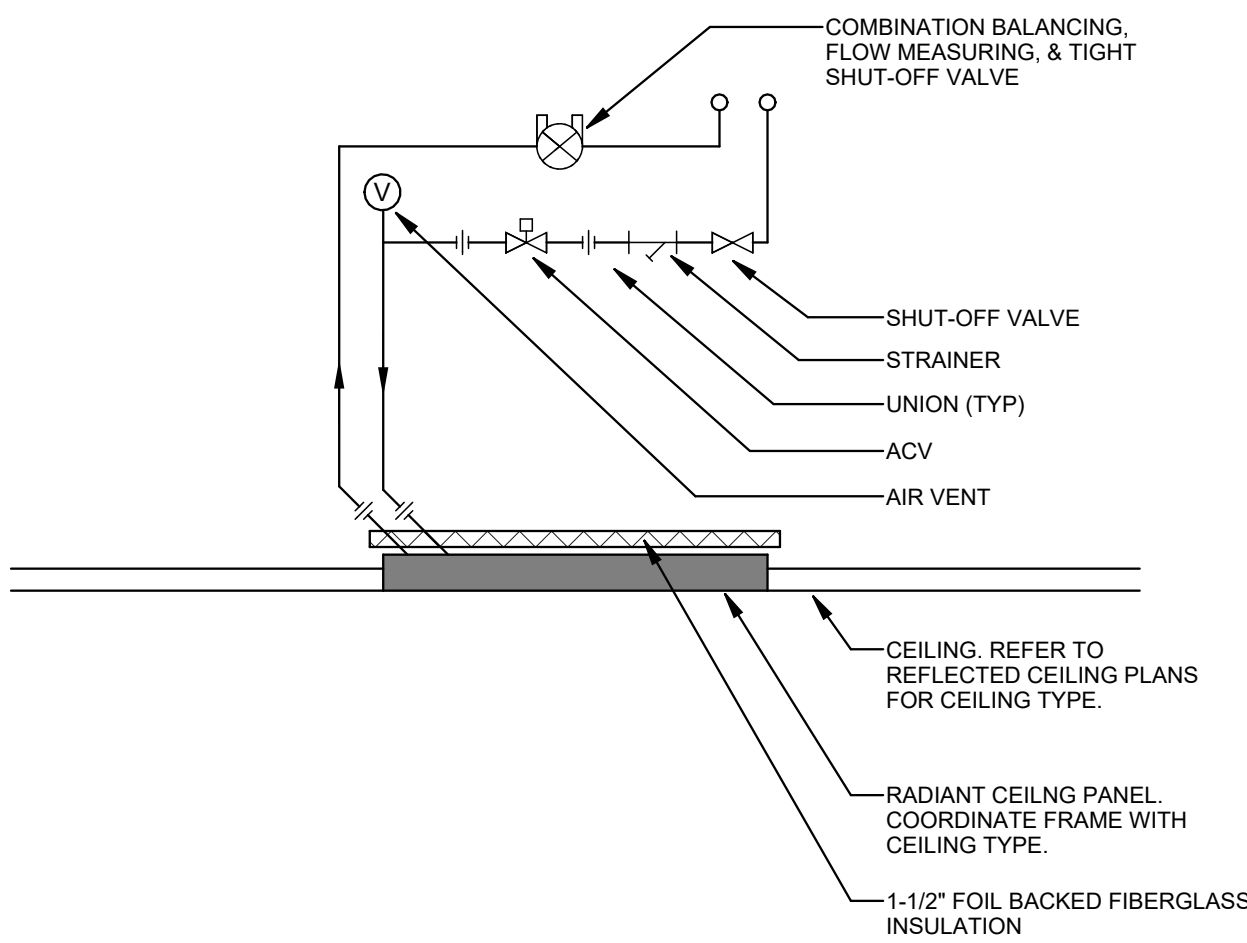
Revision Date	Revision Description
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Drawn by: ERD

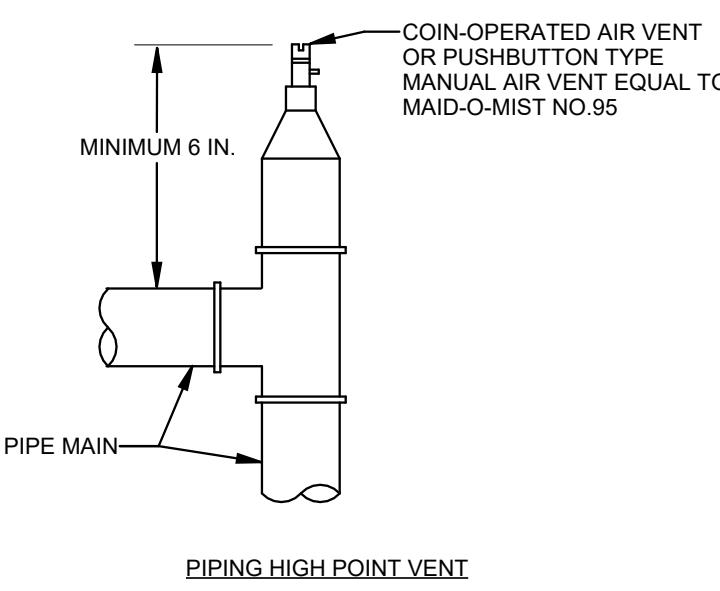
LEGEND & GENERAL NOTES

FAN SCHEDULE														
TAG	MANUFACTURER	MODEL	SERVICE	AIRFLOW (CFM)	ESP (IN.WG)	RPM	POWER (W)	DRIVE TYPE	DAMPER	SOUND (SONES)	ELECTRICAL		CURB	NOTES
											VOLTAGE	PHASE	MIN. HEIGHT (FT. - IN')	
EF-1	GREENECK	SP-4200	TOILET 102	150	0.3	747	35	DIRECT	BACKDRAFT	1.5	115	1	10"	SEE BELOW
1. PROVIDE WITH TIME DELAY SWITCH PART NUMBER 874214 2. PROVIDE WITH ROOF TERMINATION ACCESSORY WITH BIRDSCREEN PROVIDED BY FAN MANUFACTURER WITH MAX PRESSURE DROP OF 0.05 IN. W.G. 3. PROVIDE WITH SOLID STATE SPEED CONTROL.														

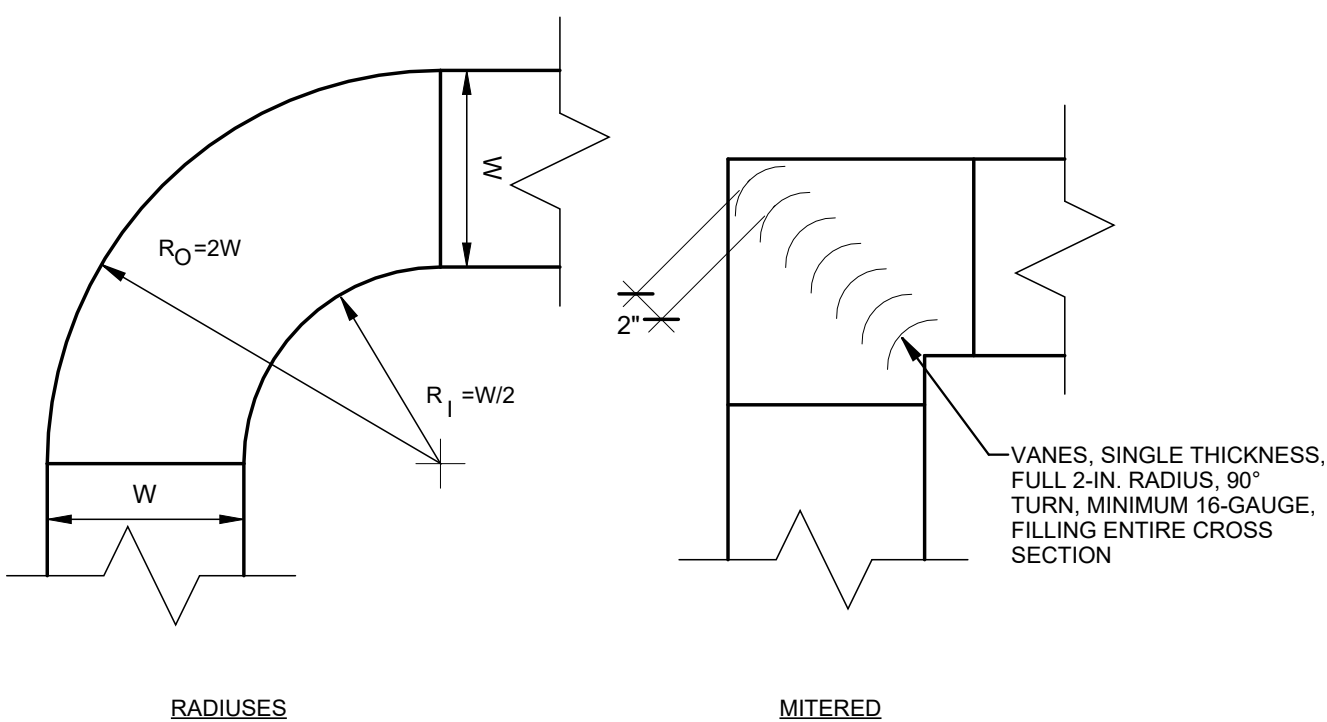
RADIANT PANEL SCHEDULE										
TAG	MANUFACTURER	MODEL	SERVICE	CAPACITY (BTU/FT)	AWT (DEG.F)	PASSES	DIMENSIONS		NOTES	
							WIDTH	LENGTH		
101-	STERLING	LINEAR PANEL	CEILING	102	413	170	4	2		4
1. PROVIDE RADIANT PANEL FRAME FOR MOUNTING IN GYP. CEILING. LOCATE VALVES AND ACCESSORIES IN ACCESSIBLE LOCATION IN ADJACENT ROOM.										



C1 CEILING RADIANT PANEL PIPING DIAGRAM
NO SCALE

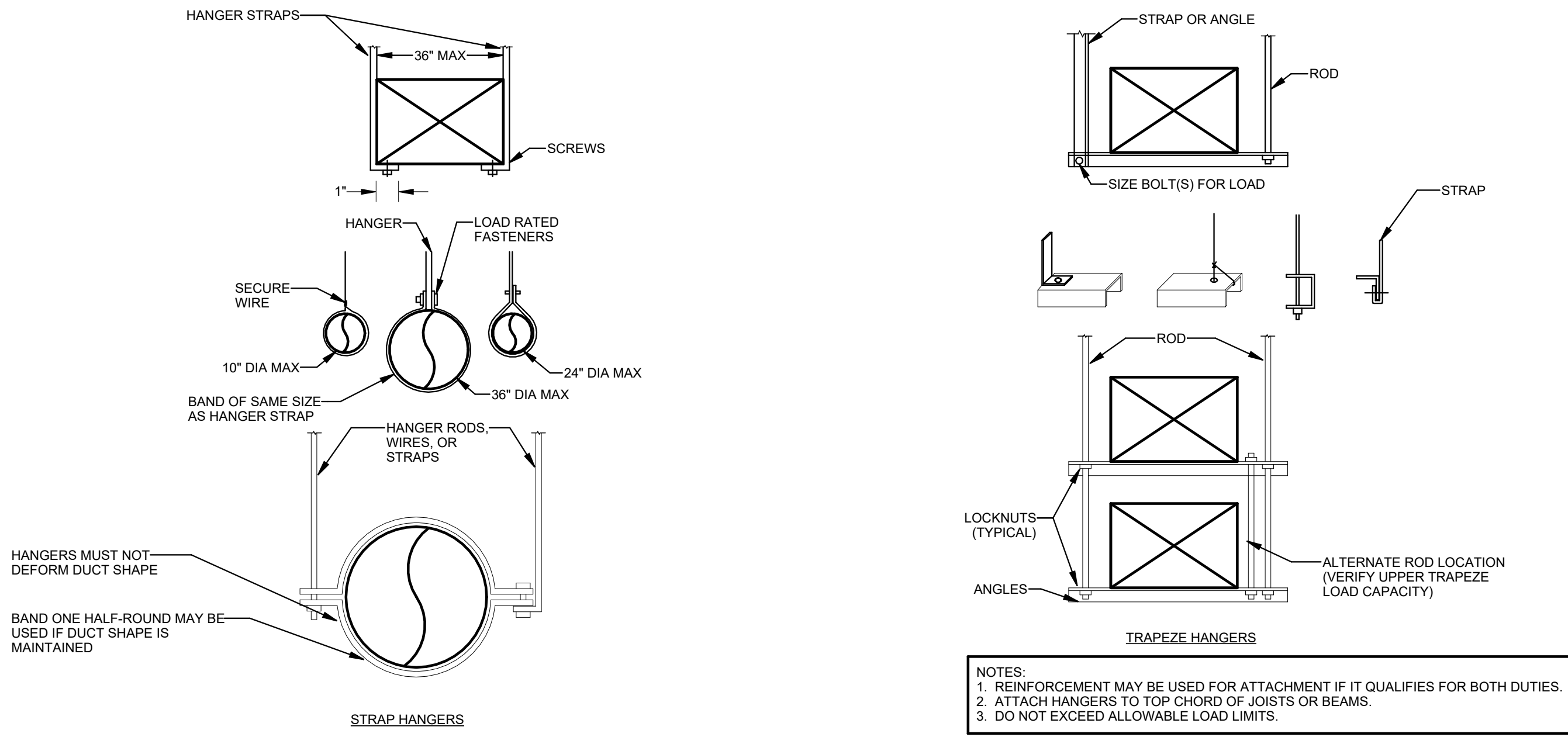


C2 AUTOMATIC AND MANUAL AIR VENT
NO SCALE



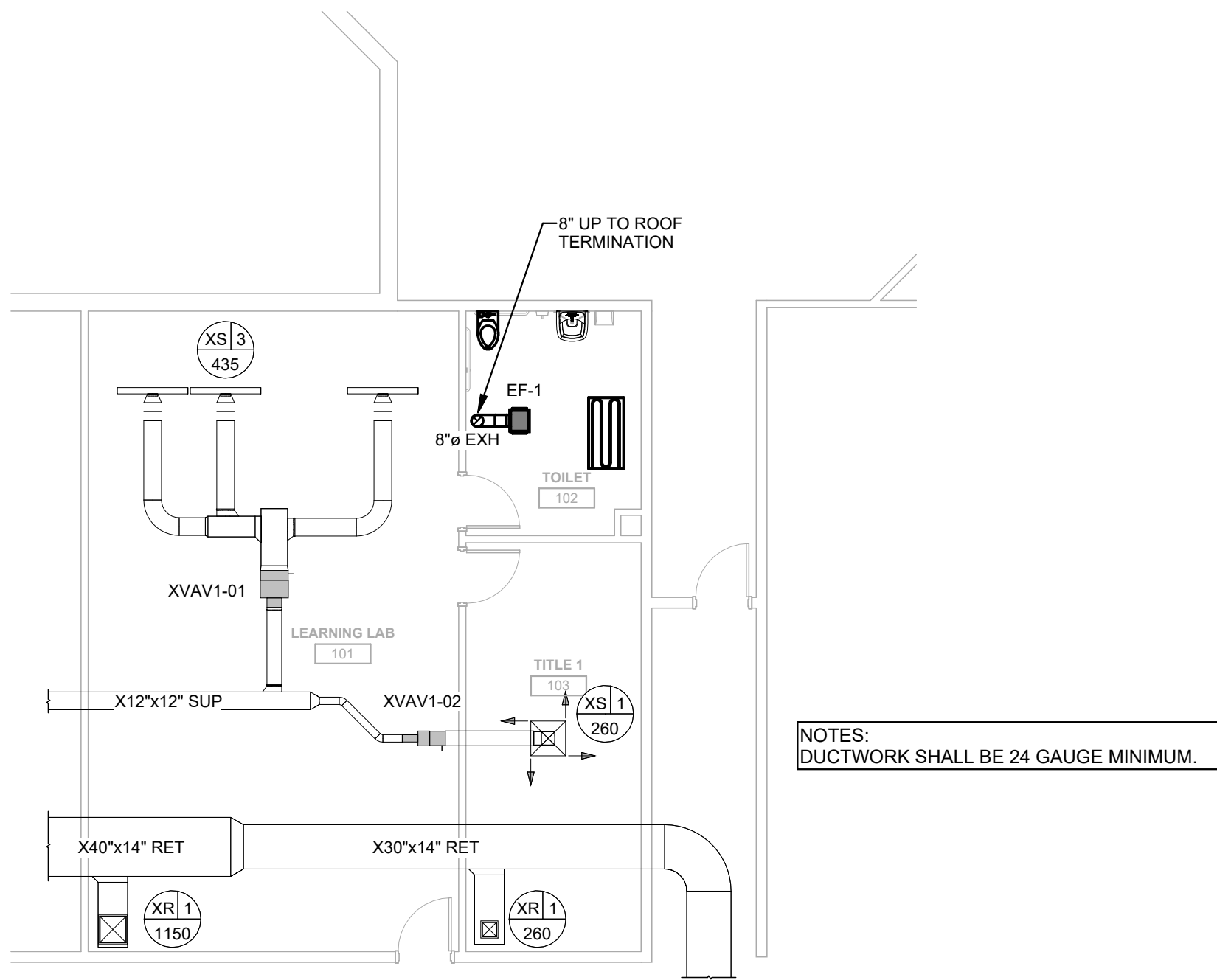
NOTE: USE MITERED ONLY WHERE SPACE IS TOO TIGHT FOR RADIUS, OR WHERE INDICATED ON DRAWINGS.

C3 DUCT ELBOW
NO SCALE



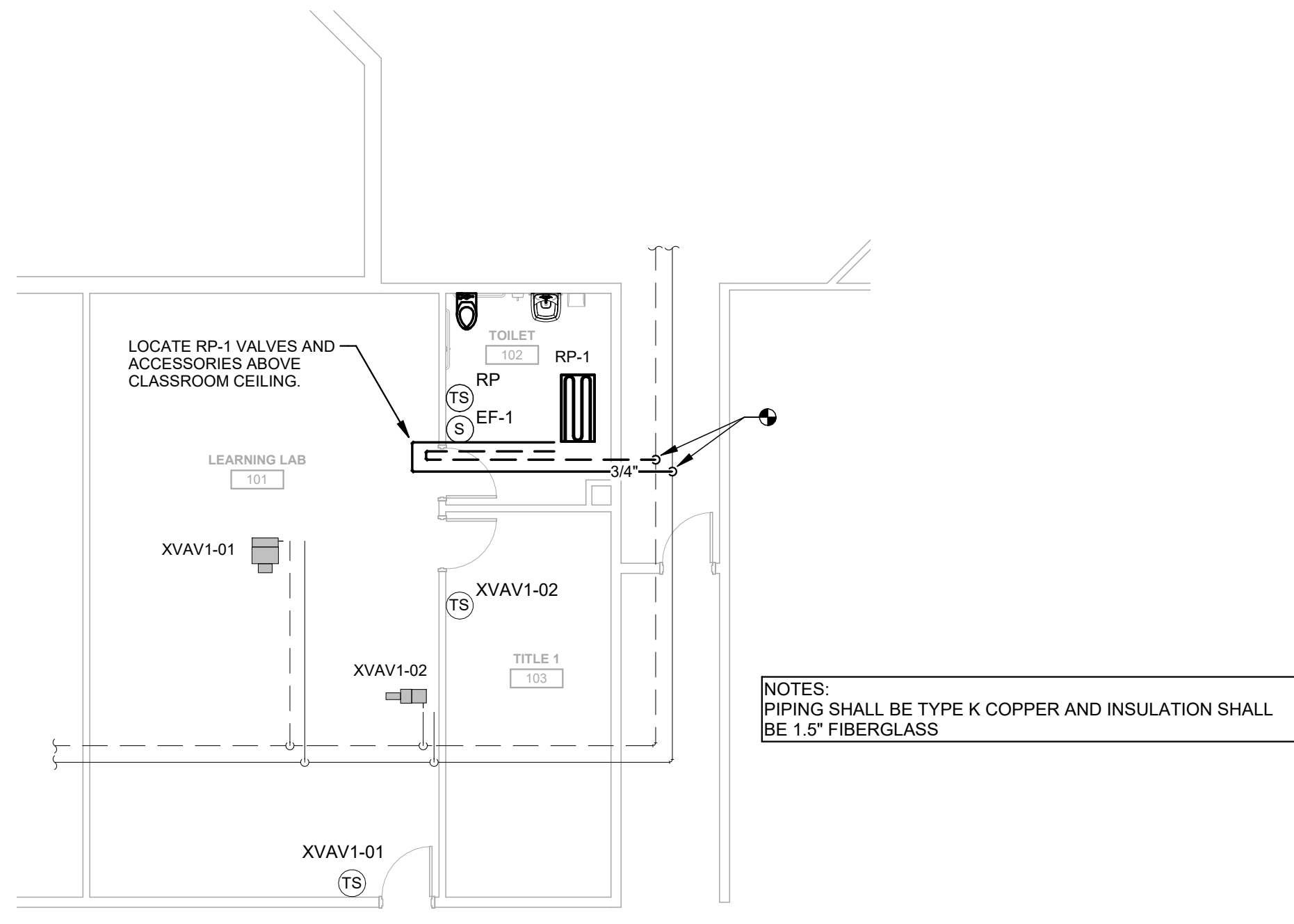
NOTES:
1. REINFORCEMENT MAY BE USED FOR ATTACHMENT IF IT QUALIFIES FOR BOTH DUTIES.
2. ATTACH HANGERS TO TOP CHORD OF JOISTS OR BEAMS.
3. DO NOT EXCEED ALLOWABLE LOAD LIMITS.

C4 LOWER HANGER ATTACHMENT
NO SCALE



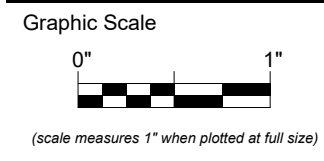
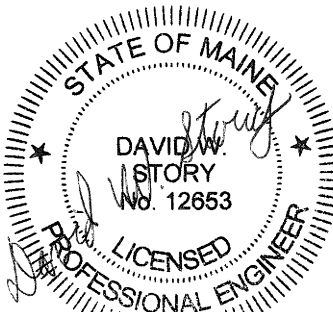
NOTES:
DUCTWORK SHALL BE 24 GAUGE MINIMUM.

A2 FIRST FLOOR DUCTWORK
SCALE: 1/8\"/>



NOTES:
PIPING SHALL BE TYPE K COPPER AND INSULATION SHALL BE 1.5\"/>

A4 FIRST FLOOR PIPING
SCALE: 1/8\"/>



CONSTRUCTION DOCUMENTS

MAY 12, 2025

Revision Date Revision Description

Drawn by: ERD

PLANS, SCHEDULES AND DETAILS

Existing Panel: PP3

Location:

Supply From:

Mounting: Recessed

Enclosure: Type 1

Volts: 208Y/120

Phases: 3

Wires: 4

A.I.C. Rating:

Mains Type:

Mains Rating: 225 A

Notes:

NEW OR MODIFIED LOADS TO EXISTING PANEL INDICATED WITH BOLD FONT.

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT	
1	RCPT ROOM 101	20 A	1	0 VA	0 VA		1	20 A	LTG ROOM 101,102,103	2	
3	EXHAUST FAN ROOM 104	20 A	1		240 VA	0 VA		1	20 A	LTG ROOM 104	4
5	RCPT ROOMS 102,103, & CORR	20 A	1			0 VA	0 VA	1	20 A	LTG ROOM 105	6
7	RCPT ROOM 104	20 A	1	0 VA	0 VA			1	20 A	LTG ROOM 107	8
9	RCPT ROOM 104	20 A	1		0 VA	0 VA		1	20 A	LTG ROOM 109	10
11	RCPT EXTERIOR SMOKE DETCT. MEC	20 A	1		0 VA	0 VA	0 VA	1	20 A	LTG ROOM 109	12
13	RCPT ROOM 107	20 A	1	0 VA	0 VA			1	20 A	LTG ROOM 110	14
15	RCPT ROOM 109	20 A	1		0 VA	0 VA		1	20 A	LTG ROOM 111	16
17	RCPT ROOM 109	20 A	1			0 VA	0 VA	1	20 A	LTG ROOM 112	18
19	RCPT ROOM 110	20 A	1	0 VA	0 VA			1	20 A	RCPT COPPER ROOM 162	20
21	RCPT ROOM 111	20 A	1		0 VA	0 VA		1	20 A	UNKNOWN	22
23	RCPT ROOM 112	20 A	1			0 VA	0 VA	1	20 A	LTG ROOM 114 CORR. 160-162	24
25	EX FAN ART ROOM	20 A	1	0 VA	0 VA			1	20 A	LTG ROOM 184 CORR	26
27	RCPT WC & ROOMS 160,161 & 162	20 A	1		0 VA	0 VA		1	20 A	LTG ROOM 163	28
29	RCPT ROOM 163 & CORR	20 A	1			0 VA	0 VA	1	20 A	LTG ROOM 163	30
31		20 A	1					1	20 A	RCPT RM 104 REFRIGERATOR	32
33	RCPT KLN	40 A	3	0 VA	0 VA	0 VA	0 VA	1	20 A	OUTSIDE LTS WEST SIDE	34
35								1	20 A	DUCT SMOKE AHU-3	36
37	SECURITY DOOR LATCH	20 A	1	0 VA	0 VA			1	20 A	UNKNOWN	38
39	RADIANT FLOOR PUMPS	20 A	1			0 VA	0 VA	1	20 A	UNKNOWN	40
41	EXIT LIGHTS	20 A	1				0 VA	1	20 A	CHU-2	42
Total Load:				0 VA	240 VA	0 VA					
Total Amps:				0 A	2 A	0 A					

Legend:

Panel Totals

Total Conn. Load: 240 VA

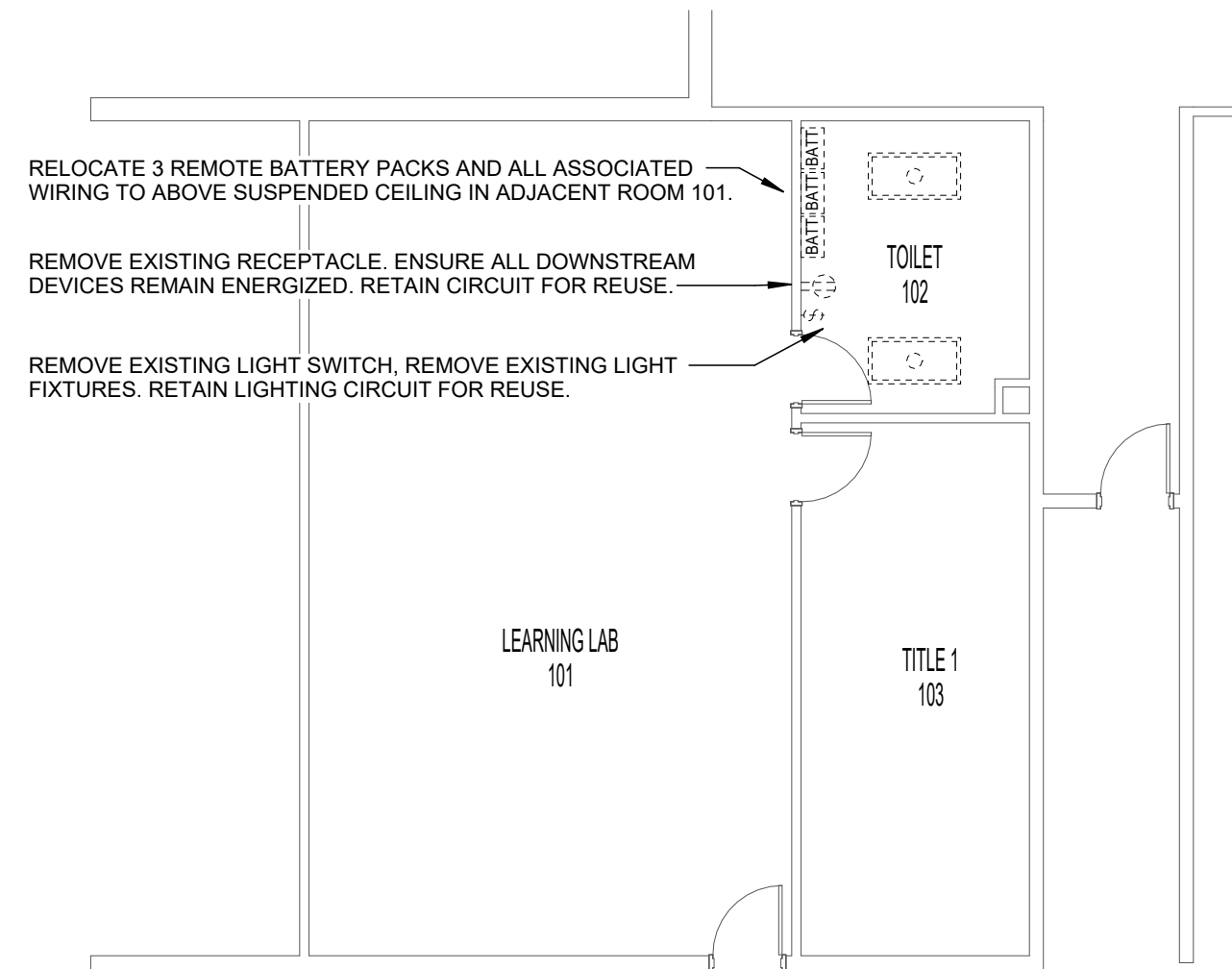
Total Est. Demand: 240 VA

Total Conn.: 1 A

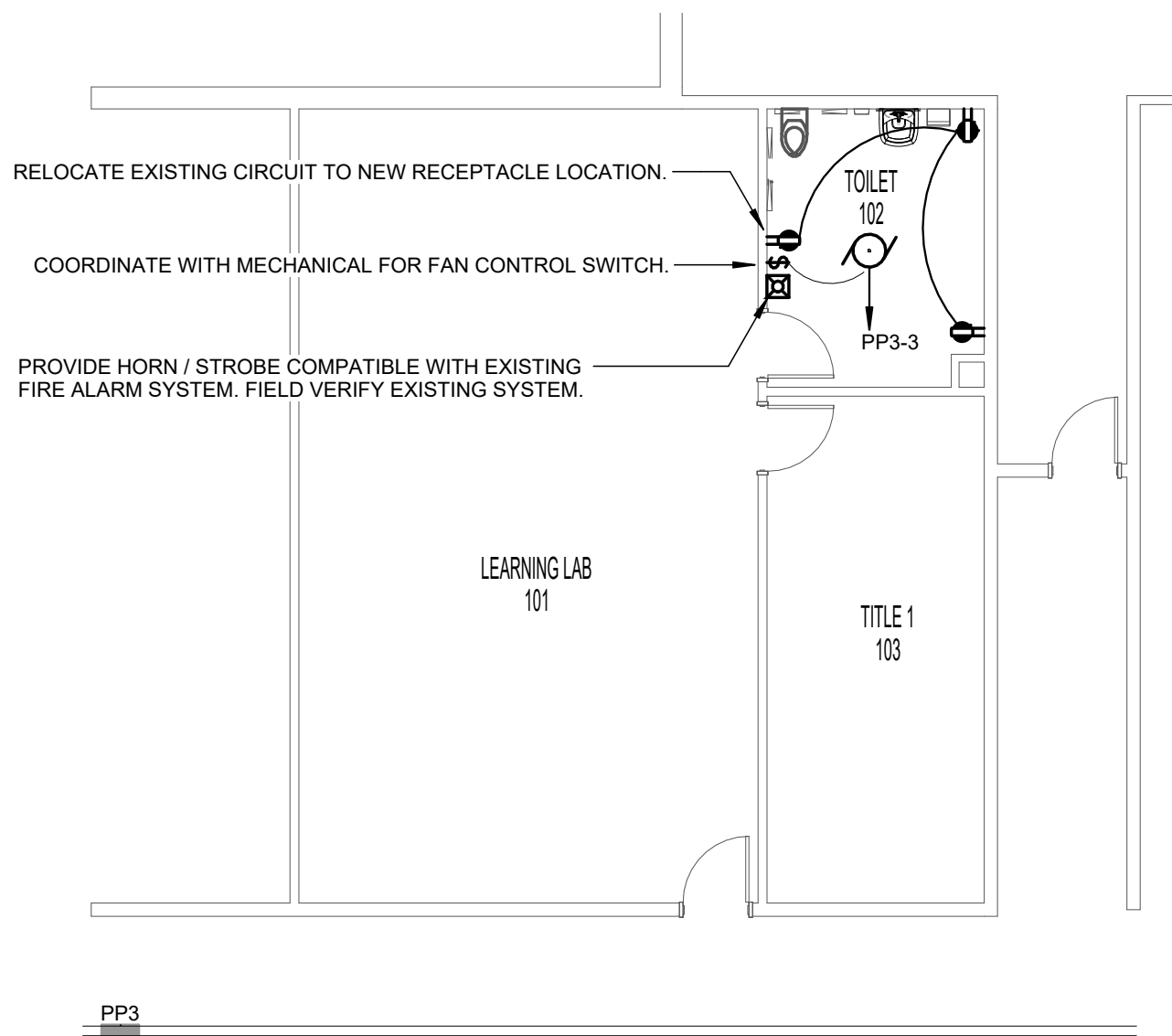
Total Est. Demand: 1 A

Notes:

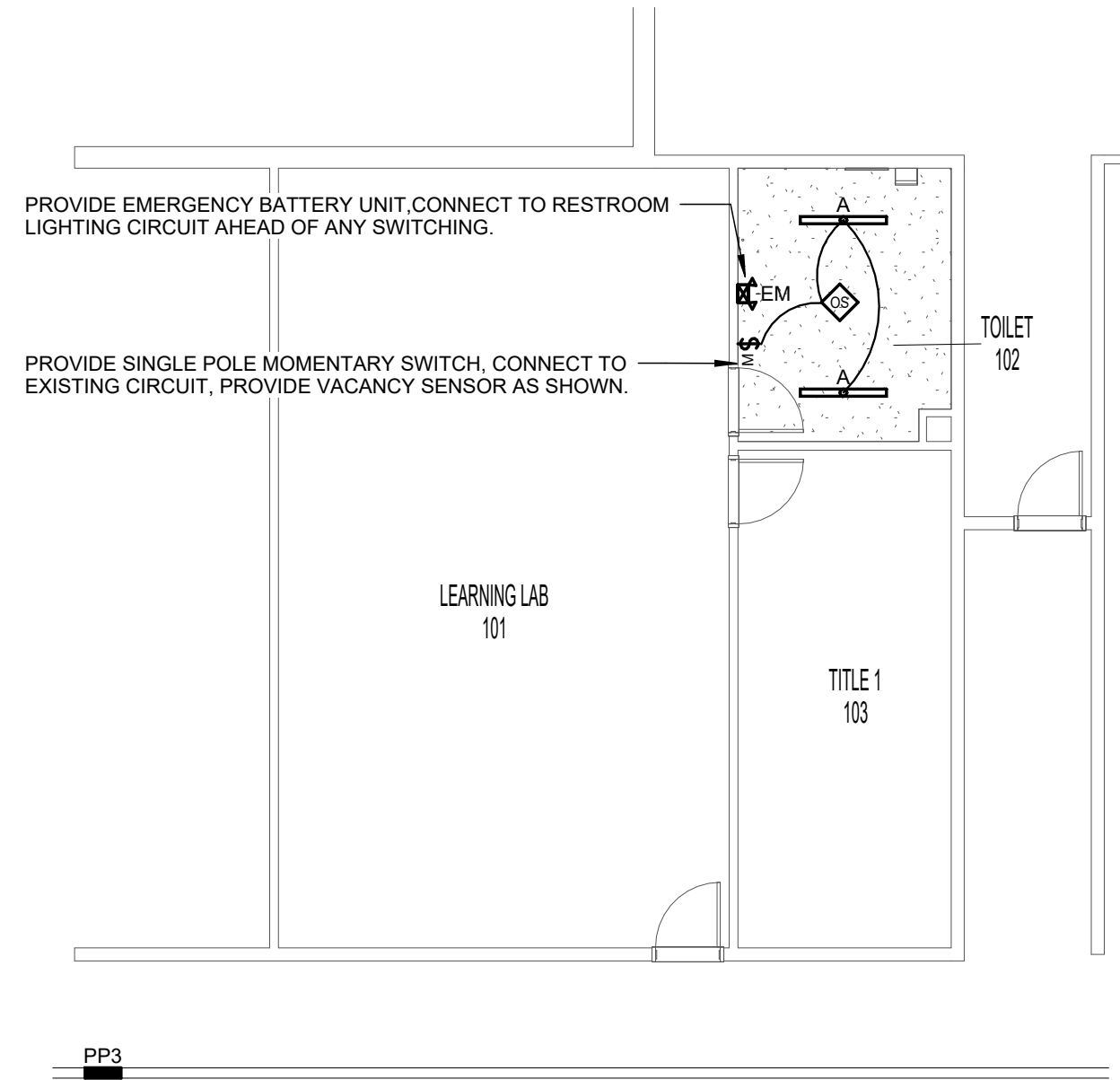
C4 PANEL SCHEDULE
NO SCALE



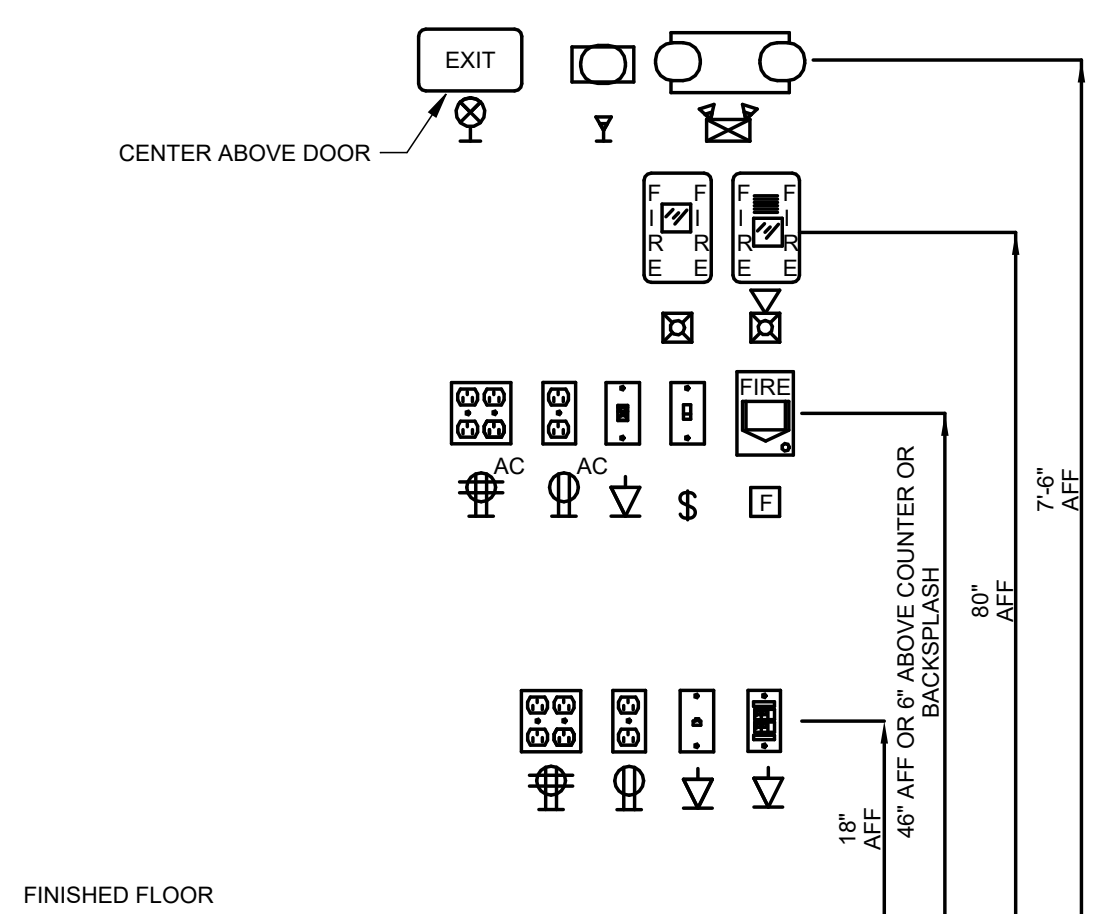
B2 1 - FIRST FLOOR PLAN - DEMO
SCALE: 1/8" = 1'-0"



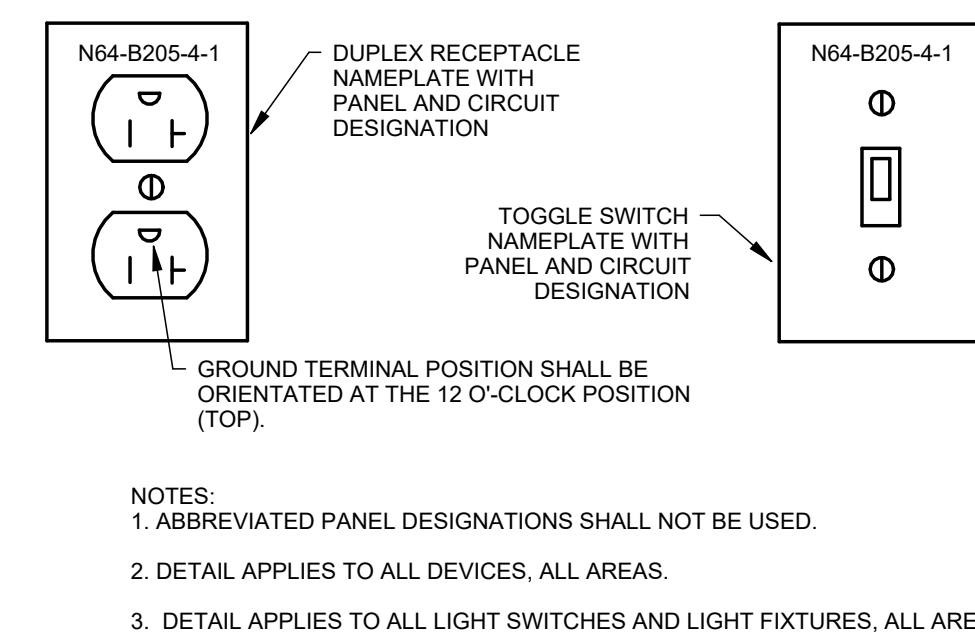
B3 1 - FIRST FLOOR PLAN - POWER AND SYSTEMS
SCALE: 1/8" = 1'-0"



B4 1 - FIRST FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

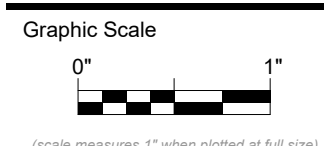


A3 TYPICAL INTERIOR MOUNTING HEIGHTS
NO SCALE



NOTES:
1. ABBREVIATED PANEL DESIGNATIONS SHALL NOT BE USED.
2. DETAIL APPLIES TO ALL DEVICES, ALL AREAS.
3. DETAIL APPLIES TO ALL LIGHT SWITCHES AND LIGHT FIXTURES, ALL AREAS.

A4 TYP ELEC DEVICE LABELING DETAIL
NO SCALE



CONSTRUCTION DOCUMENTS

MAY 12, 2025
Revision Date Revision Description

Drawn by: PCN

FIRST FLOOR PLAN
POWER AND LIGHTING