



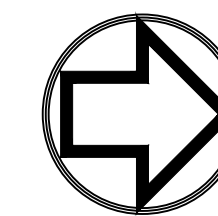
ARCHITECTURAL DRAWINGS

MECHANICAL DRAWINGS

ELECTRICAL DRAWINGS

PLUMBING DRAWINGS

WORK LOCATION PLAN



An aerial map showing a residential area with a grid of streets. A red circle highlights a specific lot on Franklin Avenue. The map includes a north arrow in the bottom left corner and various lot numbers (e.g., 250, 270, 240, 260, 254, 250, 230) and street names (e.g., FRANKLIN AVENUE). The highlighted area is a large, irregularly shaped lot with a building footprint.

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80 FRANKLIN AVE,
PEARL RIVER, NY 10965

RESTROOMS RENOVATION

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50 - 03 - 08 - 03 - 6 - 005 - 005

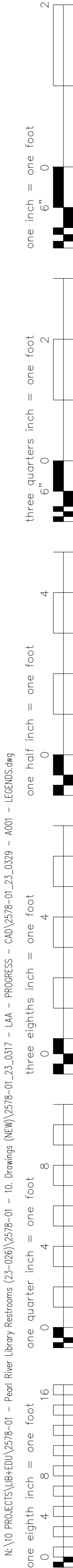
COVER PAGE

PROJECT NO.:	2578-01	SCALE:
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DRAWING NO.:

A000

N:\10 PROJECTS\104\EDU\2578-01 - Pearl River Library Restrooms (21-006)\2578-01 - 10 Drawings (NEW)\2578-01_23_0317 - LAA - PROGRESS - CAD\2578-01_23_0319 - A001 - LEGENDS.dwg



EXISTING AND DEMOLITION TAG LEGEND	
	PHOTO TAG – SEE PHOTO BOO FOR IMAGE. NUMBERS CORRESPOND TO THE END OF THE FILE NAME

	DEMOLISH AREA OF WORK TO BASE BUILDING CONDITION. BASE BUILDING SHALL MEAN THE FOLLOWING: 1. FLOORS SHALL BE EXPOSED DOWN TO THE SLAB AND SCRAPED CLEAN OF GLUES AND OTHER REMAINING MATERIAL; 2. REMOVE CEILINGS AND EXPOSE THE STRUCTURE ABOVE. PRIMARY DISTRIBUTION OF MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS SHALL REMAIN INTACT OR AS DIRECTED BY THE ENGINEERING DRAWINGS. BRANCH OR SECONDARY DISTRIBUTION SHALL BE REMOVED; 3. SECURITY AND FIRE ALARM SYSTEMS SHALL REMAIN INTACT OR AS OTHERWISE DIRECTED BY THE VENDORS. COORDINATION SHALL BE REQUIRED FOR DEMOLITION OF THESE SYSTEMS; 4. UNUSED WIRING SHALL BE REMOVED BACK TO THE ELECTRICAL PANEL;
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PROTECTION PLAN	
	PROTECT AREA OF WORK AND SURROUNDING AREAS POTENTIAL DAMAGE FROM CONSTRUCTION. PROVIDE A PROTECTION PLAN FOR REVIEW AND APPROVAL BY THE BUILDING REPRESENTATIVE.
	1. COVERING OF THE FLOOR AND WALLS IN AREAS WHERE MATERIALS OR WORKERS ACCESS THE SITE.
	2. PROTECTION OF OCCUPIED AREAS FROM DUST AND ODORS.
	3. PROTECTION OF HVAC SYSTEMS FROM DUST AND MATERIAL ENTERING THE SYSTEM.
	4. PROTECTION OF PUBLIC AREAS WITH PHYSICAL AND VISUAL BARRICADES OR TEMPORARY WALLS

FIXTURES & ACCESSORIES TAG LEGEND	
	TOILET PARTITION – GLOBAL PARTITIONS MODEL #102113.13
	INCLUDES: CEILING HUNG PILASTERS, TOILET STALL DOORS AND FOLLOWING ACCESSORIES
	TOILET COVER – BOBRICK MODEL #B-221
	TOILET PAPER HOLDER – ASI MODEL #9013
	COAT HOOK – ASI MODEL #0714
	PARTITION MOUNTED SANITARY NAPKIN DISPOSAL – BOBRICK MODEL B-354
	UNISEX RESTROOMS & ADA STALL ALSO INCLUDES:
	CHANGING TABLE – ASI MODEL #9013
	GRAB BAR 42 – BOBRICK MODEL #B-5806 SERIES
	GRAB BAR 24 – BOBRICK MODEL #B-5806 SERIES
	GRAB BAR 36 – BOBRICK MODEL #B-5806 SERIES
	RECESSED SANITARY NAPKIN DISPOSAL – BOBRICK MODEL B-353 *AT EVERY WATER CLOSET STALL IN WOMEN'S & UNISEX RESTROOMS.*

	MIRROR – BOBRICK MODEL B-293
	TOWEL DISPENSER & DISPOSAL – ASI MODEL #0469
	MOP HOLDER
	FIRE EXTINGUISHER ENCLOSURE

SYMBOL LEGEND			
	NORTH ARROW		SECTION INDICATOR
	ELEVATION INDICATOR		ELEVATION DATUM
	DOOR TAG		CONSTRUCTION KEYNOTE
	WALL TYPE TAG		DEMOLITION KEYNOTE
			FIXTURE & ACCESSORY TAG

EXISTING AND DEMOLITION TAG LEGEND	
	REMOVE DOOR FRAMES AND ASSOCIATED ELEMENTS.
	REMOVE ALL PLUMBING FIXTURES, PIPES AND ASSOCIATED ELEMENTS. CAP . SEE PLUMBING DRAWINGS 1&2 ON SHEET P101
	REMOVE EXISTING RADIATOR AND ENCLOSURE. CAP PIPE INSIDE WALLS OR AS DIRECTED BY MECHANICAL DRAWINGS
	REMOVE HAND DRYER AND ASSOCIATED ELEMENTS. REMOVE CONDUIT AND WIRING BACK TO PANEL.
	REMOVE TOILET STALL PARTITIONS
	REMOVE ELECTRIC HEATER AND ASSOCIATED ELEMENTS. REMOVE CONDUIT AND WIRING BACK TO PANEL.
	REMOVE WALL TILE AND GWB FROM CONCRETE BLOCK WALL. BLOCK WALL TO REMAIN, CLEAN WALLS OF ADHESIVE AND OTHER RESIDUAL MATERIAL.
	REMOVE WALL TILE AND GWB FROM STUD WALL. STUD WALL TO REMAIN, REMOVE INSULATION, PREPARE AND CLEAN FOR FOAM.
	TRENCH SLAB TO REMOVE EXISTING SANITARY WASTE LINE. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.
	TRENCH SLAB TO AS SHOWN FOR NEW SANITARY WASTE LINE. COORDINATE WITH PLUMBER FOR TRENCH SIZE AND LOCATIONS.

PLUMBING FIXTURES TAG LEGEND	
	TOILET AND CONCEALED FLUSH VALVE – SLOAN ST246 REAR SPUD : SLOAN 152-SS
	INCLUDES: BACK-TO-BACK WC CARRIER – ZURN MODEL #ZN1202-ND4
	URINAL WITH CONCEALED FLUSH VALVE – SLOAN MODEL #WEUS-1010.1331
	LAVATORY BASIN – SLOAN MODEL #AD-82000
	INCLUDES FIXTURES & ACCESSORIES BELOW:
	FAUCET – SLOAN MODEL #EFX250.502.0100
	HAND DRYER – SLOAN BASYS STYLE
	SOAP DISPENSER – SLOAN BASYS STYLE ESD 500
	LAVATORY BASIN – SLOAN MODEL #AD-81000
	FAUCET – SLOAN MODEL #EFX250.502.0100
	HAND DRYER – SLOAN BASYS STYLE
	SOAP DISPENSER – SLOAN BASYS STYLE ESD 500
	CUSTODIAL MOP SINK – ACORN TERRAZZO-WARE MODEL #TDF-24
	DRINKING FOUNTAIN – ELKAY MODEL #EDFPBVR117FPRA_T

CONSTRUCTION TAG LEGEND	
	PREPARE CONCRETE SUBSTRATE FOR NEW FLOOR INSTALLATION. SKIM COAT AND FLASH PATCH TO LEVEL THE FLOOR. ACHIEVE THE LEVELING REQUIREMENTS OF THE TILE MANUFACTURERS REQUIREMENTS.
	PREPARE THE EXISTING SLAB PER SPECIFICATIONS FOR SEALANT(S). APPLY SEALANT AS SPECIFIED.
	CEILING-HUNG PARTITIONS – SEE MANUFACTURING SPECIFICATIONS FOR MORE INFORMATION.
	CLOSED CELL SPRAY FOAM INSULATION AT UNDERSIDE OF ROOF DECK AND EXTERIOR WALLS.
	FRAME 16"X24" SOFFIT
	FRAME 24"X24" SOFFIT
	INSTALL ACOUSTICAL CEILING TILE AND TRACK SYSTEM.
	INSTALL GYPSUM WALL BOARD DROPPED CEILING. SEE DETAIL 9/A611
	INSTALL RADIANT HEATING PANEL, SEE MEP FOR MORE INFORMATION.
	NEW SANITARY WASTE LINE, SEE PLUMBING DRAWINGS FOR MORE INFORMATION

DOOR AND HARDWARE TAG LEGEND	
	DOOR NUMBER LETTER DENOTES DOOR TYPE AND NUMBER DENOTES HARDWARE SET
	DOOR TYPE A – 3'-0"x6"-8" HOLLOW METAL DOOR AND 2 INCH HOLLOW METAL FRAME
	DOOR TYPE B – 6'-0"x6"-8" HOLLOW METAL DOUBLE DOOR AND 2 INCH HOLLOW METAL FRAME

DOOR AND HARDWARE TAG LEGEND	
	HARDWARE SET E – EXISTING HARDWARE TO REMAIN
	HARDWARE SET 1 – 1 PRIVACY LOCK SET WITH LEVER HANDLES 1-1/2 PAIR OF HINGES 1 SURFACE MOUNTED CLOSER
	HARDWARE SET 2 – 1 STOREROOM LOCK SET WITH LEVER HANDLES 1-1/2 PAIR OF HINGES 1 SURFACE MOUNTED CLOSER
	HARDWARE SET 3 – 2 ENTRANCE LOCK SET – 2 POINT LOCKING TOP AND BOTTOM WITH LEVER HANDLES 3 PAIR OF HINGES 2 SURFACE MOUNTED CLOSERS
	HARDWARE SET 4 – 1 PASSAGE LOCK SET WITH LEVER HANDLES 1-1/2 PAIR OF HINGES 1 SURFACE MOUNTED CLOSER

FINISH TAG LEGEND	
	PORCELAIN FLOOR TILE (RESTROOM VESTIBULE AND JANITOR'S CLOSET) MANUFACTURER: GARDEN STATE TILE TYPE: PORCELAIN FLOOR TILE STYLE: TBD PRODUCT NUMBER: TBD SIZE: 12" x 24" x 3/8" COLOR: TBD, MATTE FINISH
	PORCELAIN FLOOR TILE (MEN'S, WOMEN'S AND FAMILY RESTROOM) MANUFACTURER: GARDEN STATE TILE TYPE: PORCELAIN FLOOR TILE STYLE: TRIBECA PRODUCT NUMBER: GSP1102643 SIZE: 12" x 24" x 3/8" COLOR: MIST GREY, MATTE FINISH
	PORCELAIN WALL BASE (RESTROOM VESTIBULE AND JANITOR'S CLOSET) MANUFACTURER: GARDEN STATE TILE TYPE: PORCELAIN COVE BASE TILE STYLE: TBD PRODUCT NUMBER: TBD SIZE: TBD COLOR: TBD, MATTE FINISH
	PORCELAIN WALL BASE (MEN'S, WOMEN'S AND FAMILY RESTROOM) MANUFACTURER: GARDEN STATE TILE TYPE: PORCELAIN COVE BASE TILE STYLE: TRIBECA PRODUCT NUMBER: GSP1102643 SIZE: 8" x 12" x 5/16" COLOR: MIST GREY, MATTE FINISH
	MAIN WALL TILE (MEN'S, WOMEN'S AND FAMILY RESTROOM) MANUFACTURER: CREATIVE MATERIALS CORP. TYPE: CERAMIC WALL TILE STYLE: EFFERVESCENT SIZE: 3" x 12" x 5/16" COLOR: WHITE FINISH: GLOSSY
	ACCENT WALL TILE (MEN'S, WOMEN'S AND FAMILY RESTROOM) MANUFACTURER: CREATIVE MATERIALS CORP. TYPE: CERAMIC WALL TILE STYLE: EFFERVESCENT SIZE: 3" x 12" x 5/16" COLOR: BLUE FIZZY FINISH: GLOSSY
	WALL PAINT (JANITOR'S CLOSET) MANUFACTURER: BENJAMIN MOORE TYPE: WALL PAINT COLOR: TBD PRIMER: 380 DRYWALL PRIMER FINISH: V342 EPOXY EGGSHELL
	WALL PAINT (MEN'S, WOMEN'S AND FAMILY RESTROOM) MANUFACTURER: BENJAMIN MOORE TYPE: WALL PAINT COLOR: TBD PRIMER: 380 DRYWALL PRIMER FINISH: V342 EPOXY EGGSHELL
	DOOR AND TRIM PAINT (MEN'S, WOMEN'S, FAMILY RESTROOM AND JANITOR'S CLOSET) MANUFACTURER: BENJAMIN MOORE TYPE: DOOR AND TRIM PAINT COLOR: TBD PRIMER: V110 ACRYLIC METAL PRIMER FINISH: V341 EPOXY SEMI-GLOSS
	FLOOR GROUTS MANUFACTURER: MAPEI TYPE: KERACOLOR U PREMIUM UNSANDED GROUT WITH PRIMER NOTE: SEE ATTACHED SPEC SHEET COLOR: TBD
	FLOOR GROUTS MANUFACTURER: MAPEI TYPE: KERACOLOR U PREMIUM UNSANDED GROUT WITH PRIMER NOTE: SEE ATTACHED SPEC SHEET COLOR: TBD
	WALL GROUTS MANUFACTURER: MAPEI TYPE: KERACOLOR U PREMIUM UNSANDED GROUT WITH PRIMER NOTE: SEE ATTACHED SPEC SHEET COLOR: TBD
	FLOOR MATERIAL TRANSITION MANUFACTURER: SCHLUTER TYPE: TILE TO TILE STYLE: DECO, AE100D COLOR: SATIN ANODIZED ALUMINUM NOTE: SEE ATTACHED SPEC SHEET
	FLOOR MATERIAL TRANSITION MANUFACTURER: SCHLUTER TYPE: TILE TO CARPET STYLE: SCHIENE, AE200 COLOR: SATIN ANODIZED ALUMINUM NOTE: SEE ATTACHED SPEC SHEET
	WALL MATERIAL TRANSITION MANUFACTURER: SCHLUTER TYPE: PROFILE EDGE FOR TILE STYLE: JOLLY, J80AE COLOR: SATIN ANODIZED ALUMINUM NOTE: SEE ATTACHED SPEC SHEET
	WALL MATERIAL TRANSITION MANUFACTURER: SCHLUTER TYPE: OUTSIDE WALL CORNERS FOR TILE STYLE: JOLLY, EVJ80AE COLOR: SATIN ANODIZED ALUMINUM NOTE: SEE ATTACHED SPEC SHEET
	CEILING TILE MANUFACTURER: ARMSTRONG TYPE: CIRRUS #558 – BEVELED TEGULAR SIZE: 24"x24" WITH 9/16" GRID COLOR: WHITE (WH) FINISH: TEXTURED MEDIUM NOTES: SEE ATTACHED SPEC SHEET
	FIBERGLASS REINFORCED PANELS MANUFACTURER: NUDO TYPE: #LP-S9 SIZE: 48"x96" COLOR: TBD FINISH: SMOOTH NOTES: SEE ATTACHED SPEC SHEET
	SOLID SURFACE MATERIAL MANUFACTURER: WILSONART MANUFACTURE BY SLOAN-AERDEC BASIN SYSTEM NOTES: NOT IN CONTRACT – SEE SLOAN AERDEC BASIN SPECIFICATIONS. COLOR: TBD FINISH: SMOOTH/GLOSS

333 Westchester Avenue
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914-741-1115

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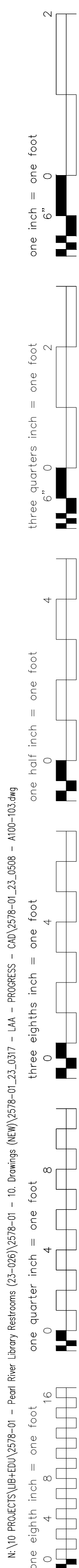
NOTES AND LEGENDS

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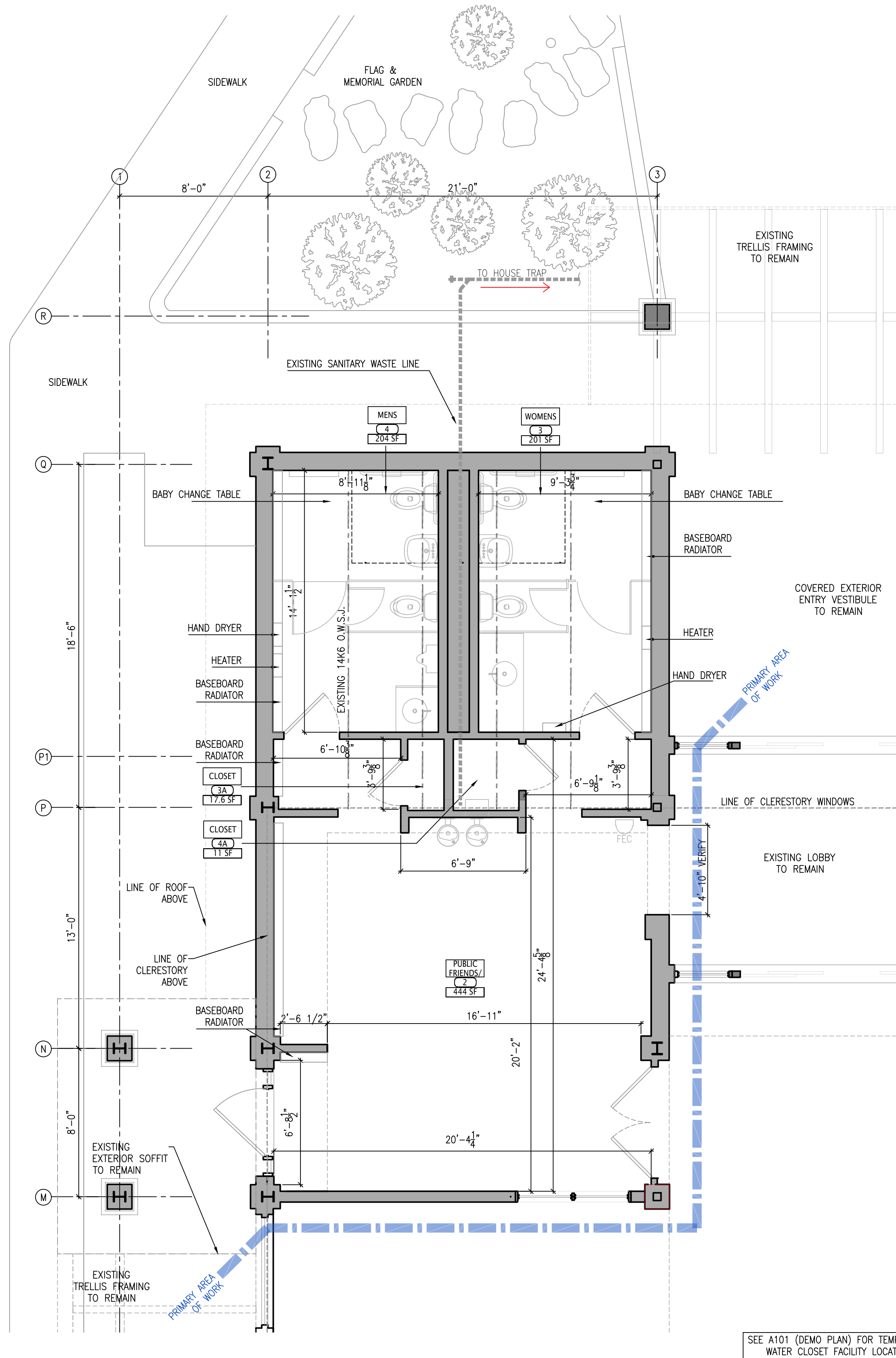
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A001

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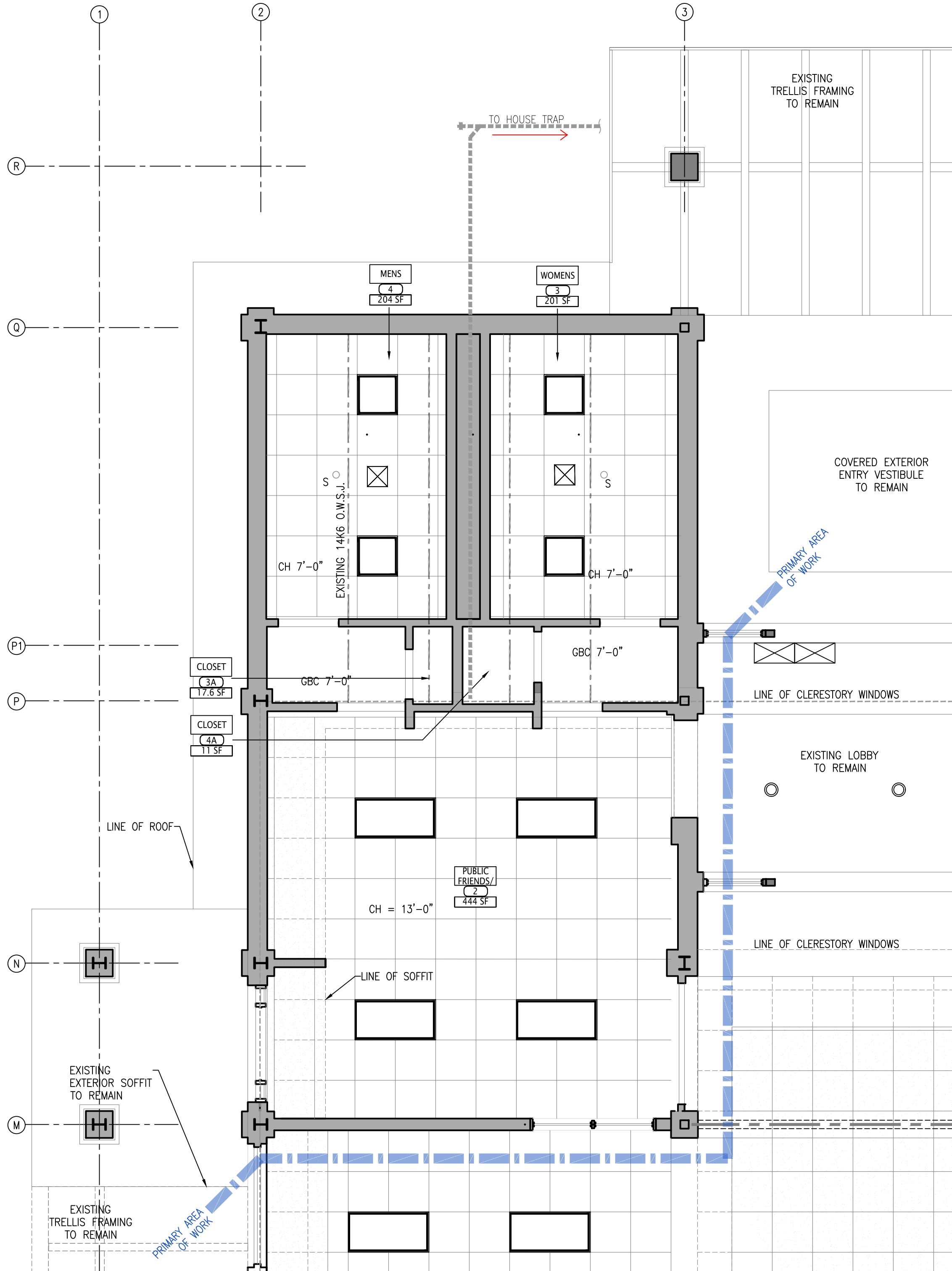


1 FLOOR PLAN
1/4" = 1'-0"



SEE A101 (DEMO PLAN) FOR TEMPORARY WATER CLOSET FACILITY LOCATION.

2 REFLECTED CEILING PLAN
1/4" = 1'-0"



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EXISTING
CONDITIONS

PROJECT NO.: 2578-01 SCALE:

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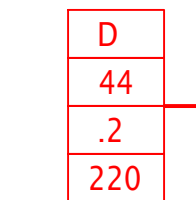
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-  - EGRESS PATH
-  - EXIT CALCULATED
-  - EXIT NOT IN CALCULATIONS



SCALE: 1/16" = 1'-0"



SCALE: 1/16" = 1'-0"



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FLOOR 01 OVERALL REFERENCE PLAN

DRAWING NO.:

A100

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914-741-1115**

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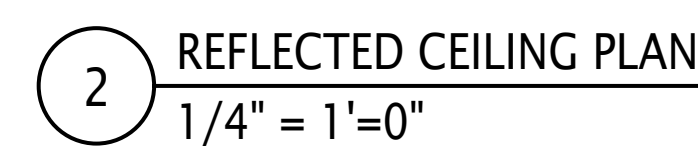
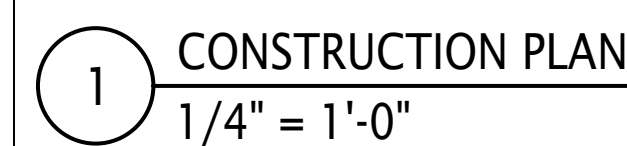
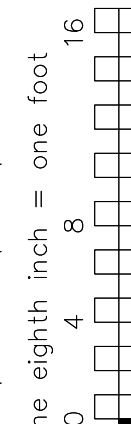
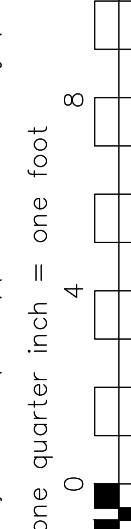
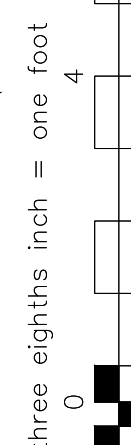
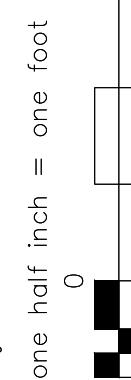
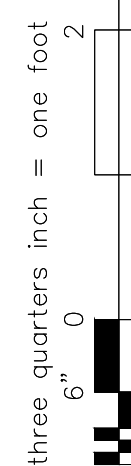
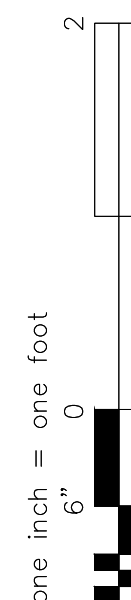
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PROPOSED PLANS

PROJECT NO.:	2578-01	SCALE:
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DRAWING NO.:

A102



N:\0 PROJECTS\LIBRARY\2578-01 - Pearl River Library Restrooms (25-028)\2578-01 - 10 Drawings (NEW)\2578-01_23_0317 - LAA - PROGRESS - CAD\2578-01_23_0308 - A100-103.dwg

one inch = one foot
6"

three quarters inch = one foot
6"

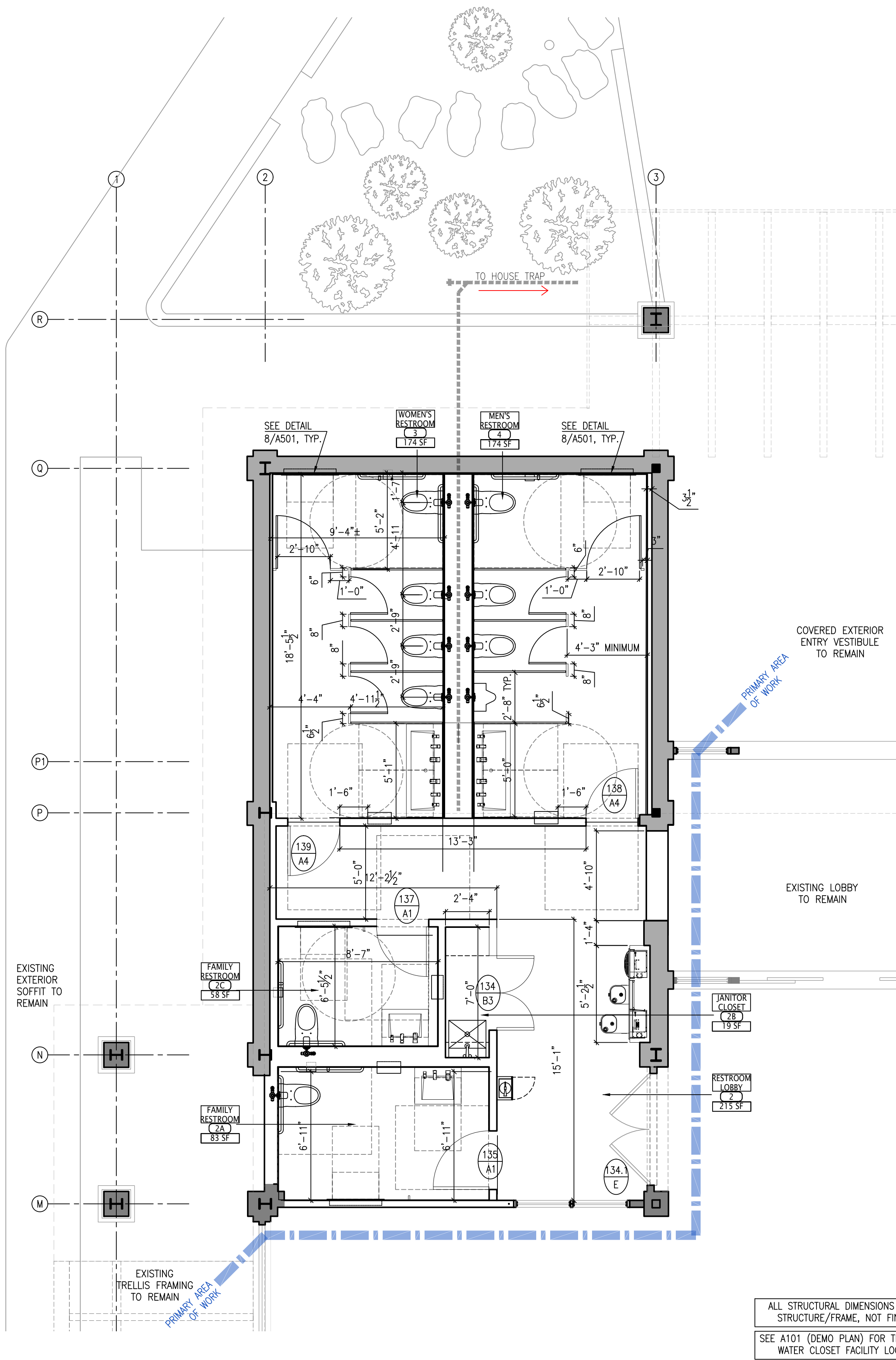
one half inch = one foot
0

three eighths inch = one foot
0

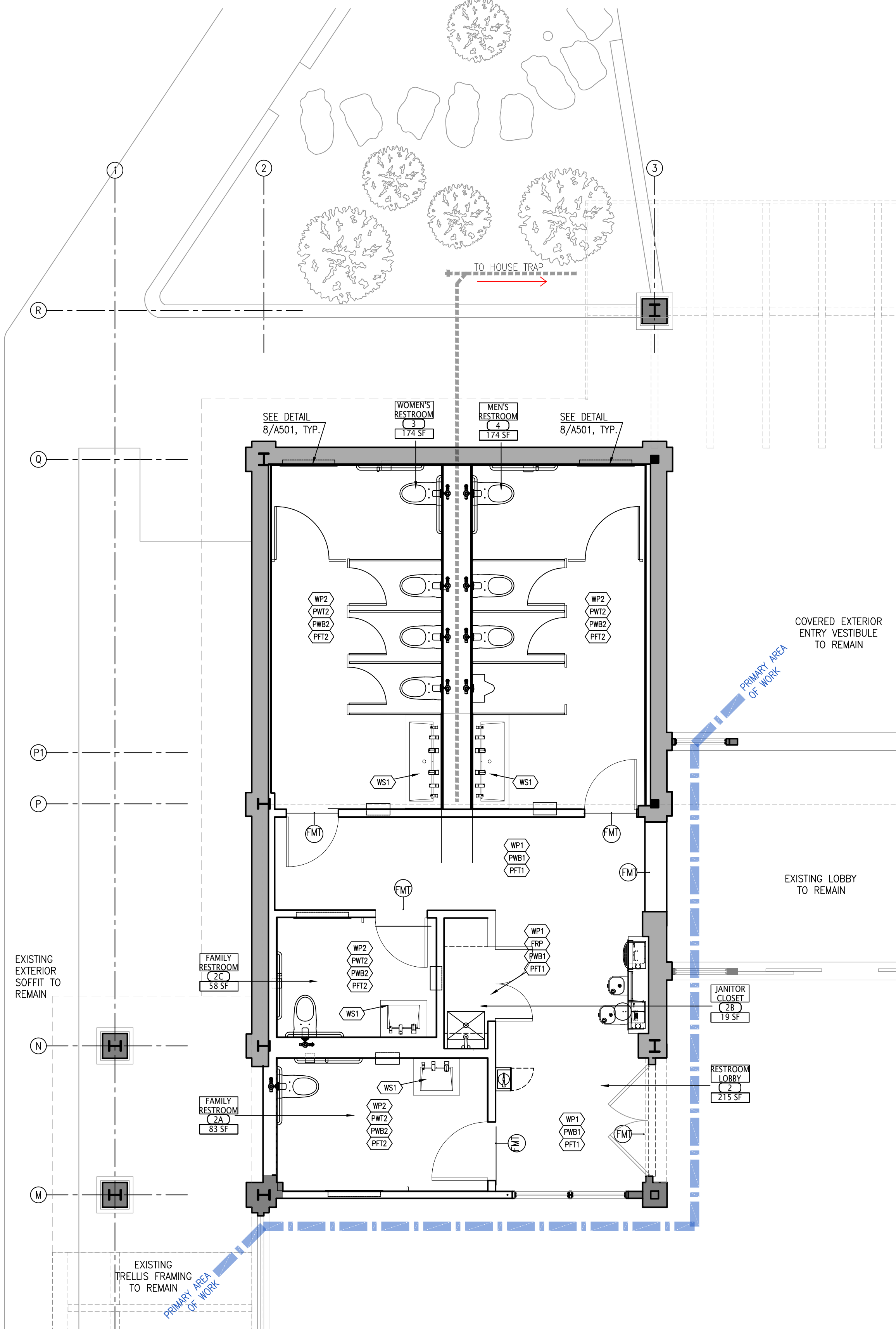
one quarter inch = one foot
0

one eighth inch = one foot
0

1 CONSTRUCTION DIMENSION PLAN
1/4" = 1'-0"



2 FINISH PLAN
1/4" = 1'-0"



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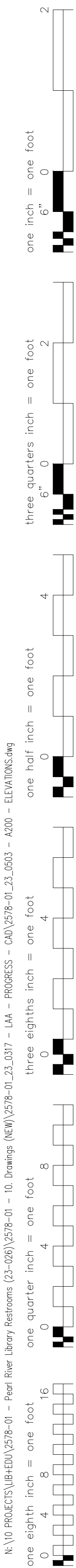
CONSTRUCTION & DIMENSION PLAN

PROJECT NO.: 2578-01 SCALE:

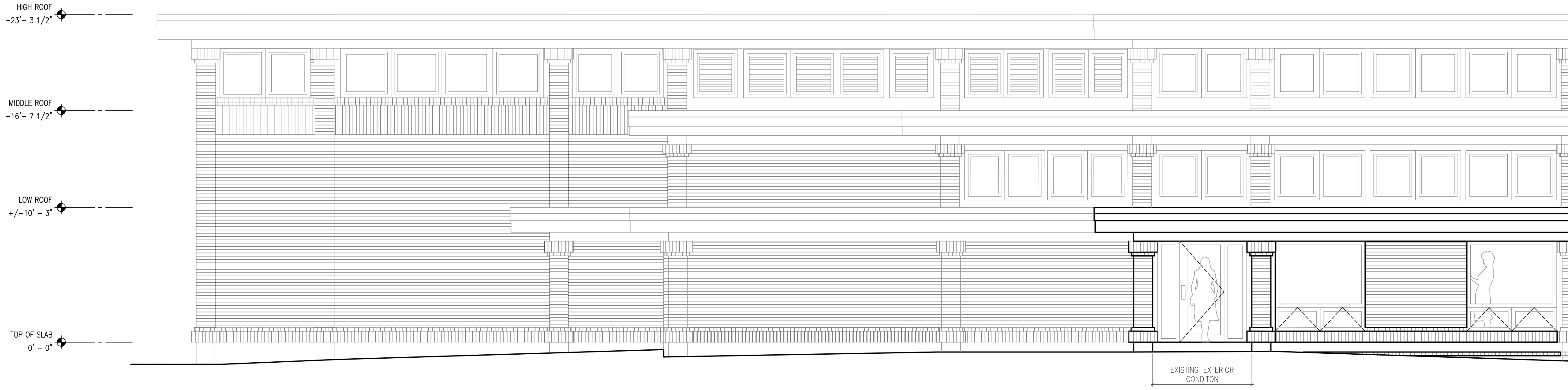
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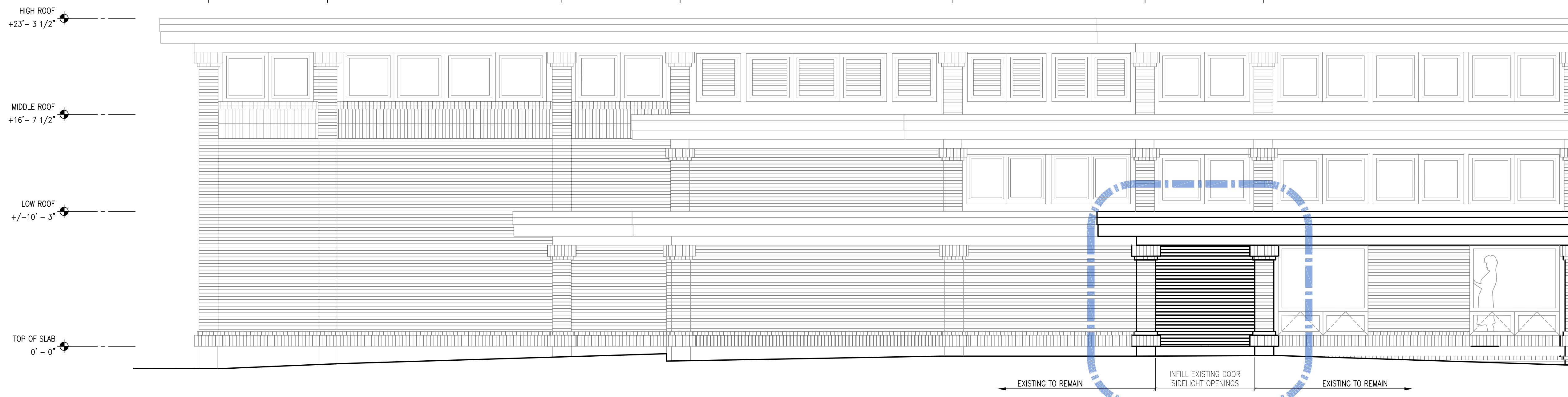


T S R Q P N M



1 BUILDING ELEVATION EXISTING
1/4" = 1'-0"

T S R Q P N M



2 BUILDING ELEVATION PROPOSED
1/4" = 1'-0"

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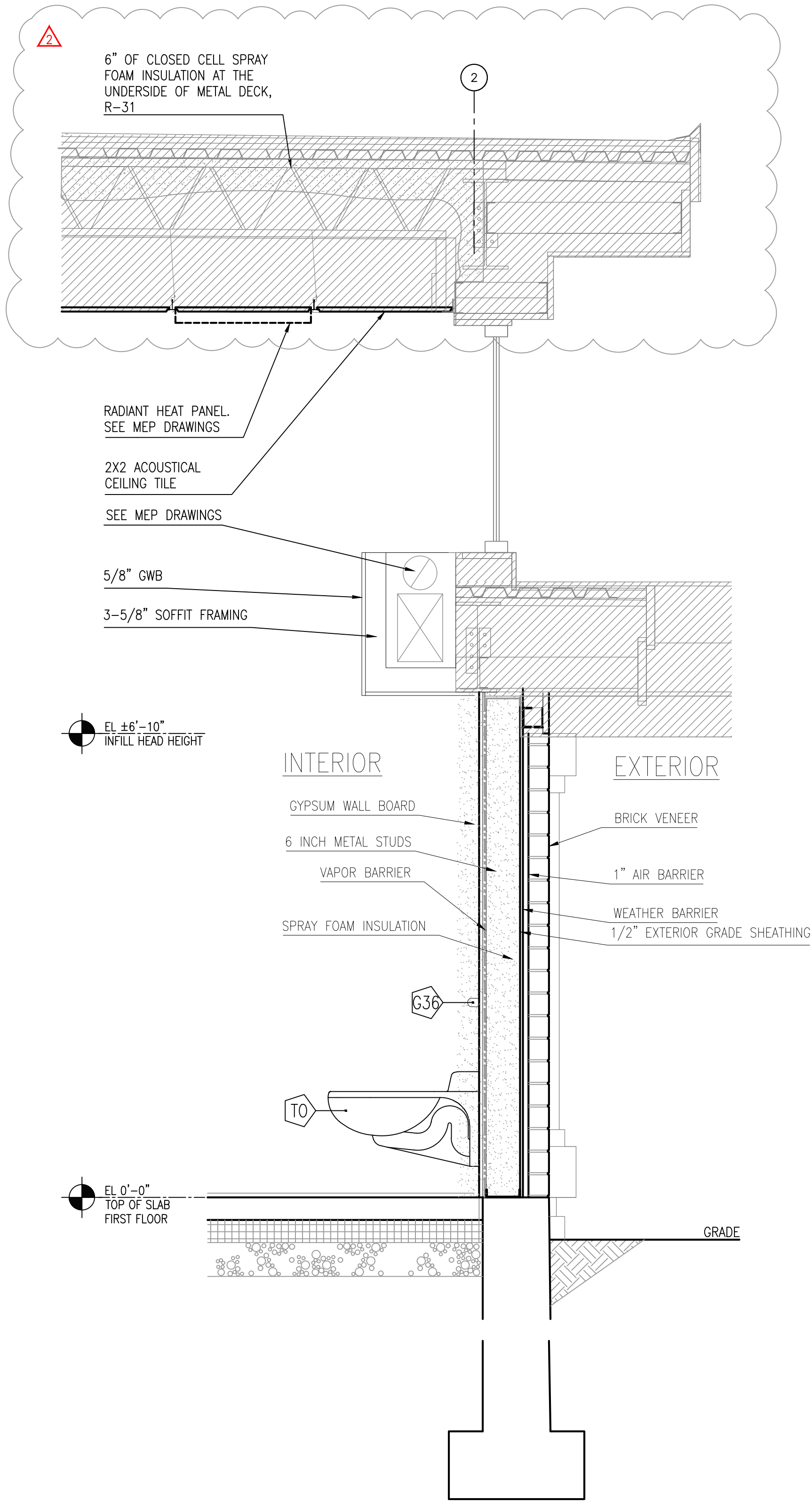
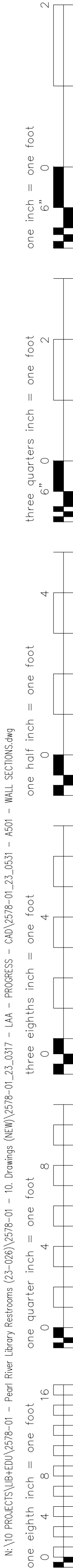
ELEVATIONS AND DETAILS

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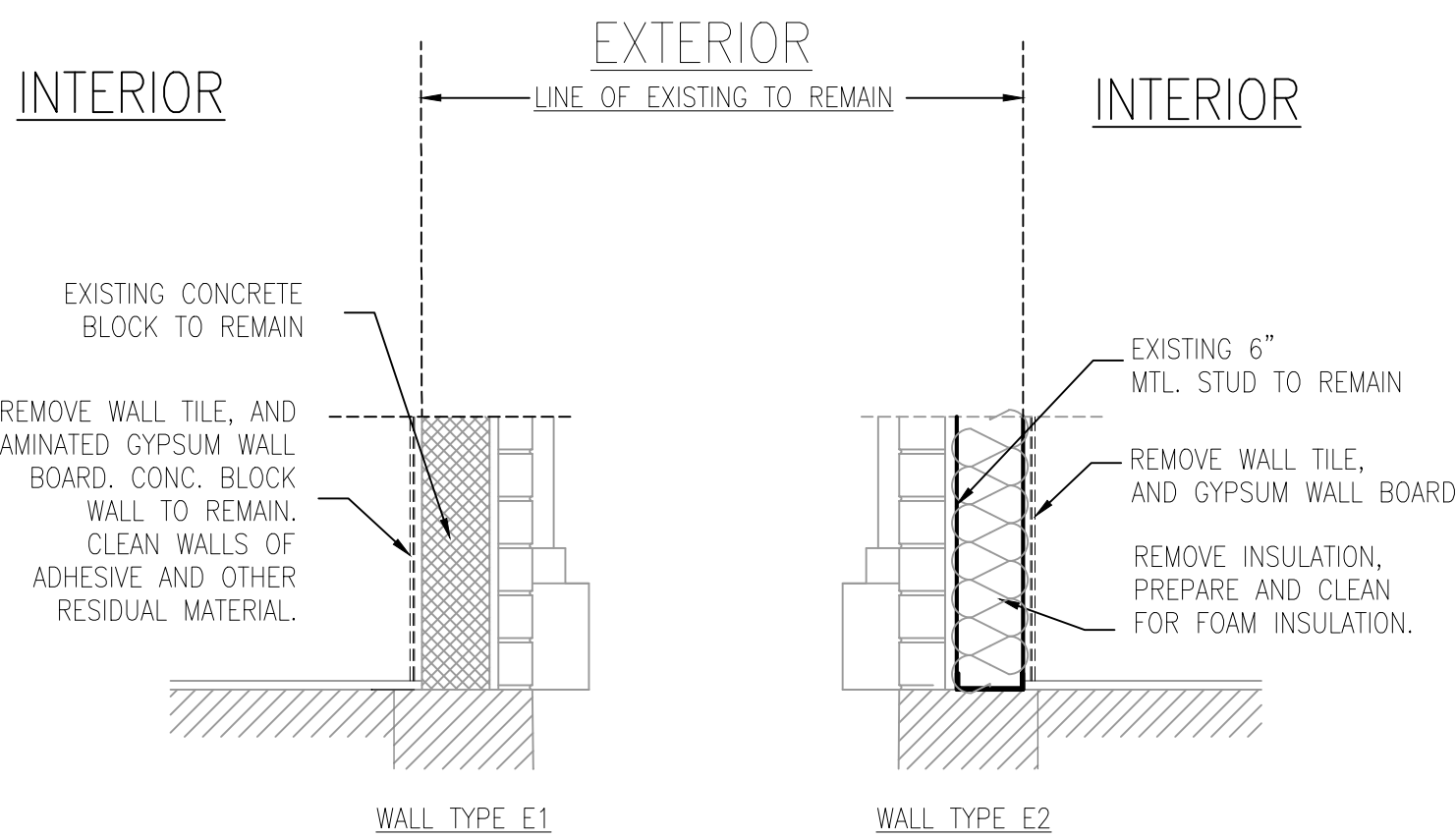
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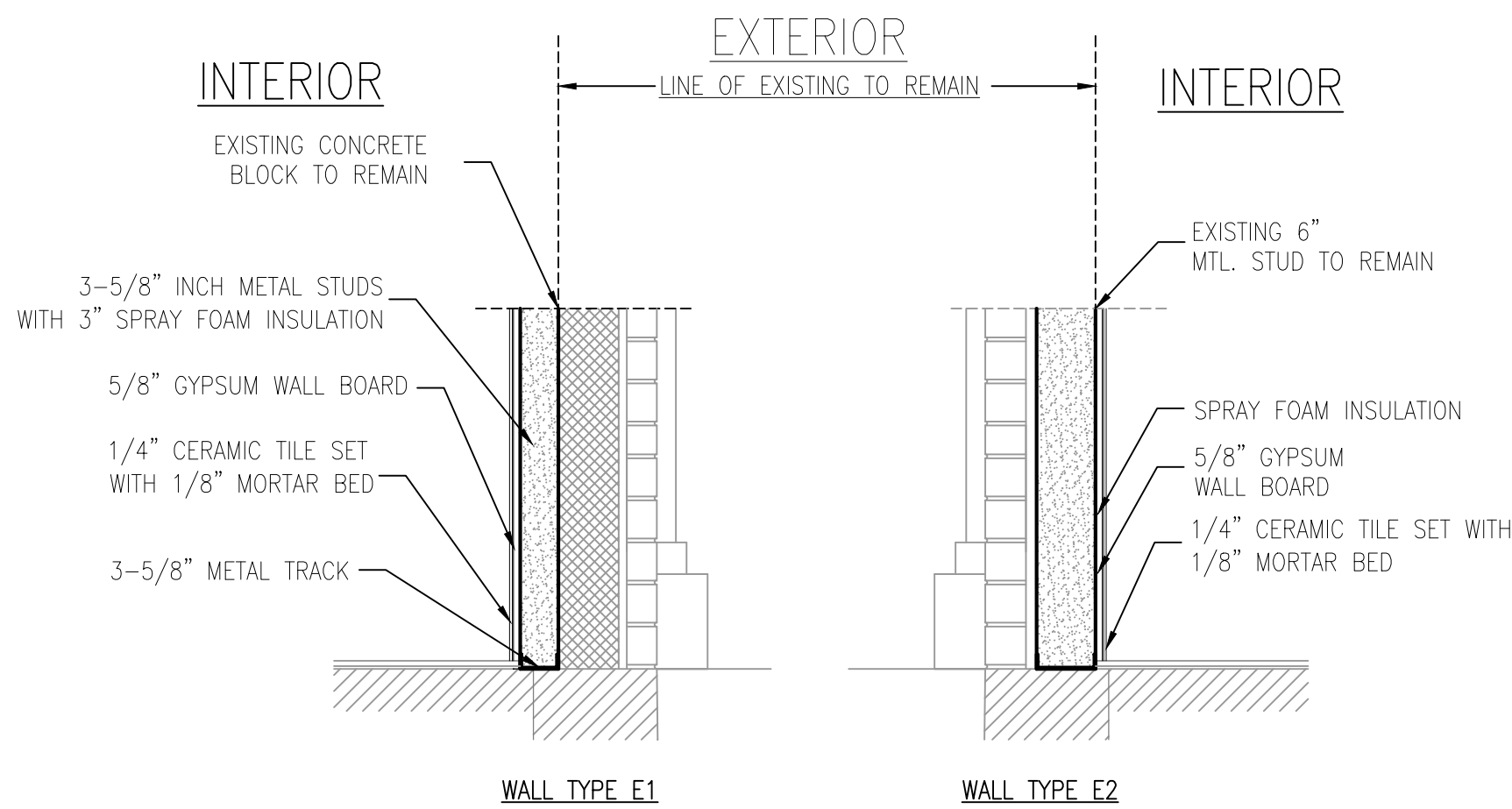
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1 SECTION 1 - INFILL AT EXISTING DOOR OPENING
3/4" = 1'-0"



2 INTERIOR DEMOLITION DETAILS AT EXTERIOR WALLS
3/8" = 1'-0"



3 INTERIOR CONSTRUCTION DETAILS AT EXTERIOR WALLS
3/4" = 1'-0"

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WALL SECTIONS
AND DETAILS

PROJECT NO.: 2578-01 SCALE:

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A502

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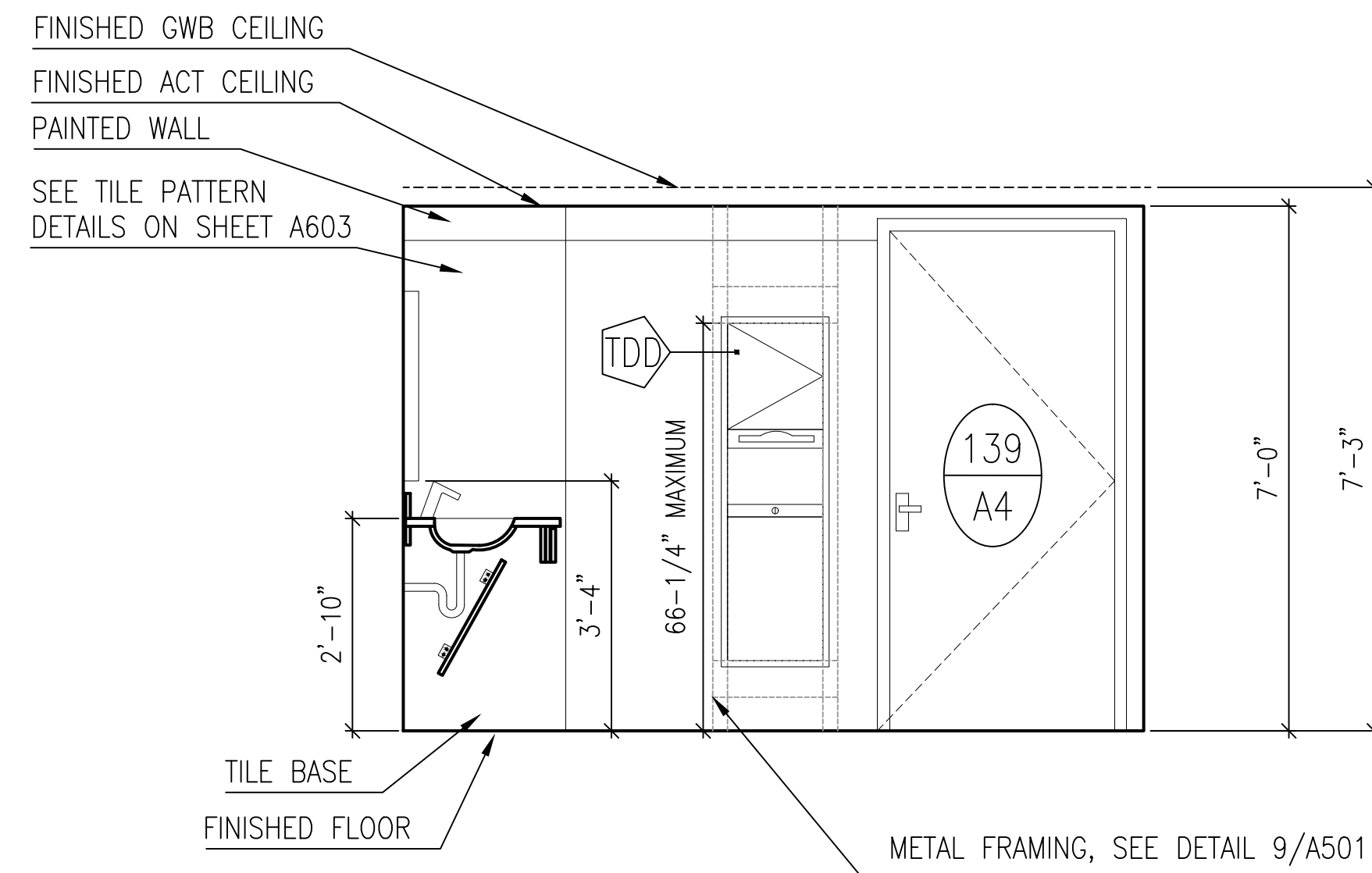
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INTERIOR ELEVATIONS: PUBLIC RESTROOMS

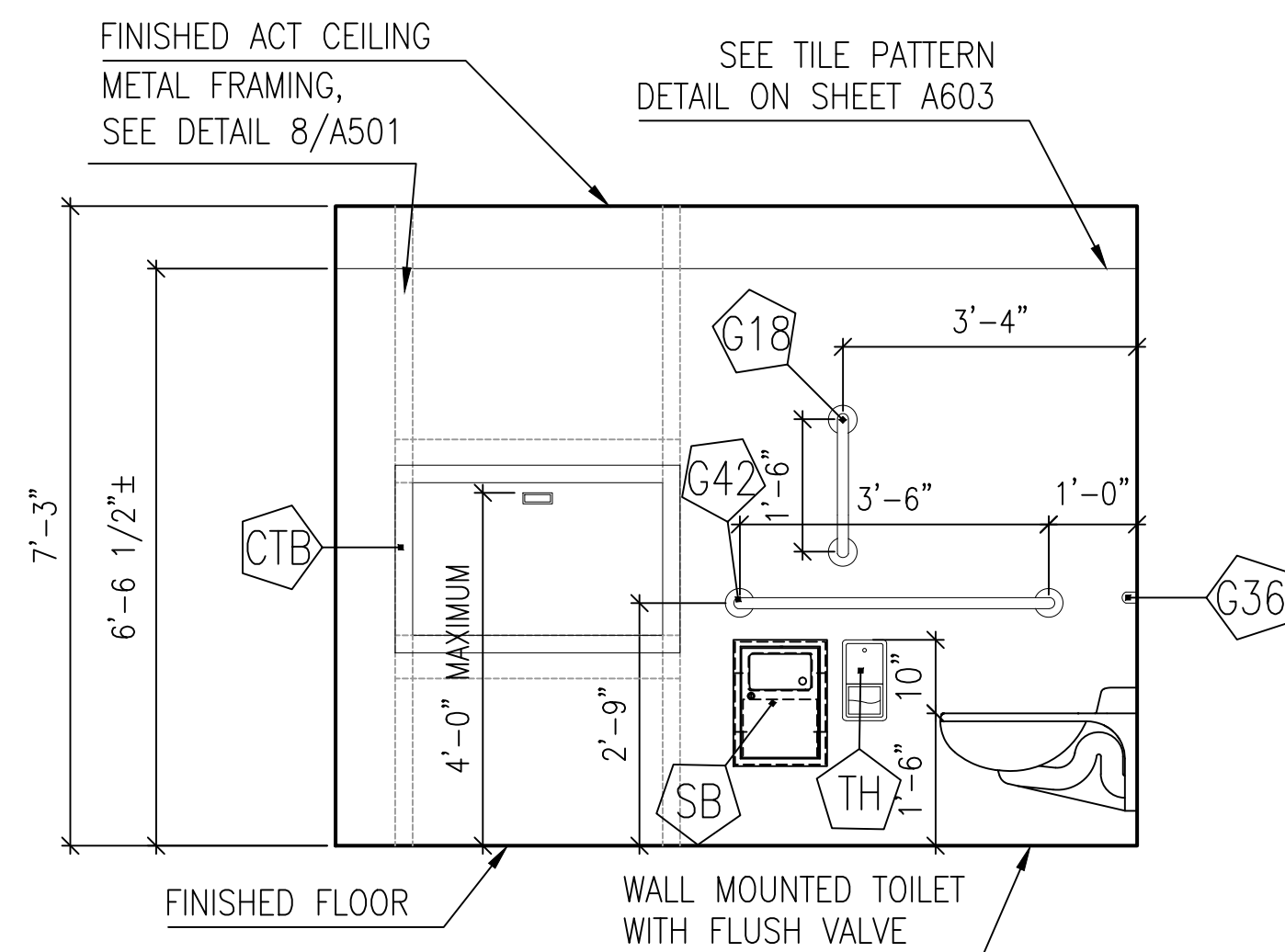
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DRAWING NO.:

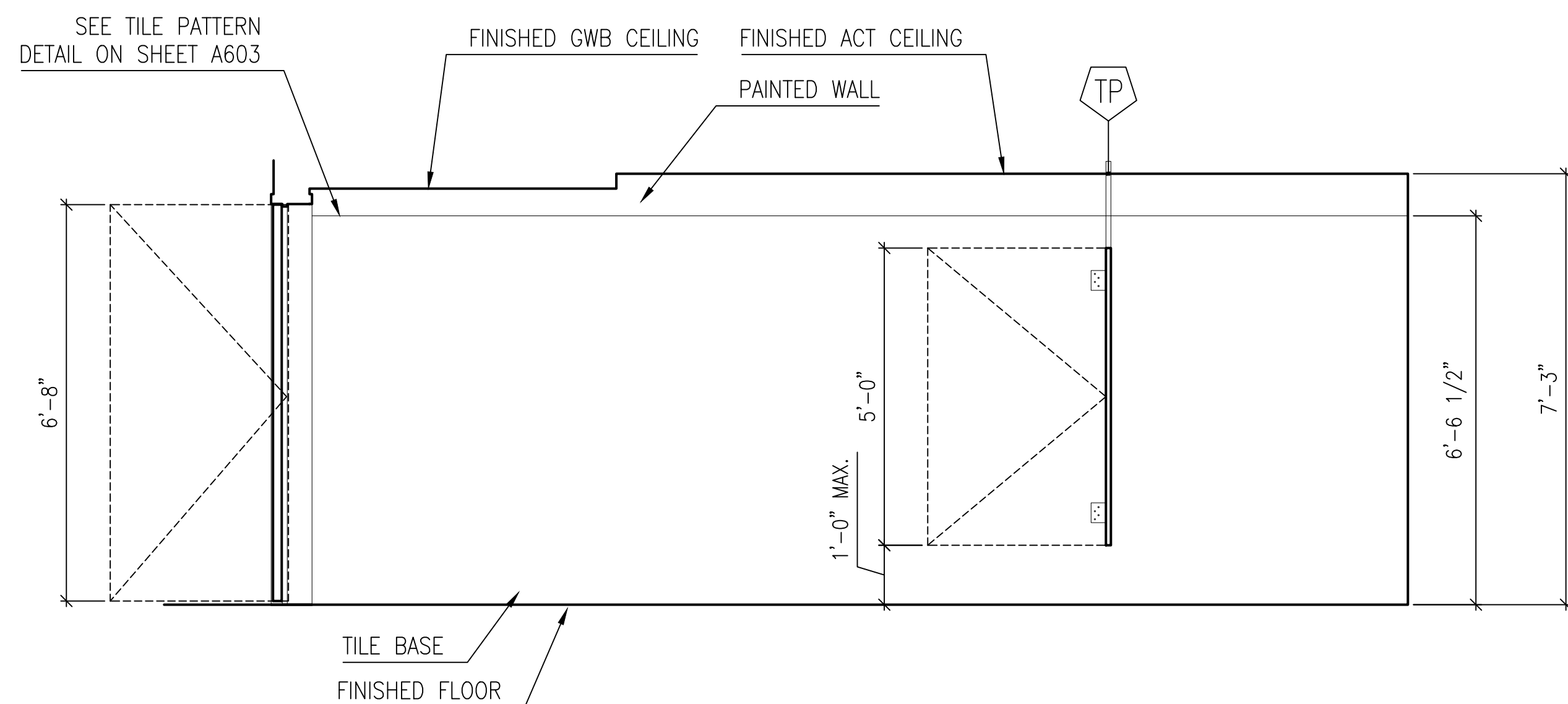
A601



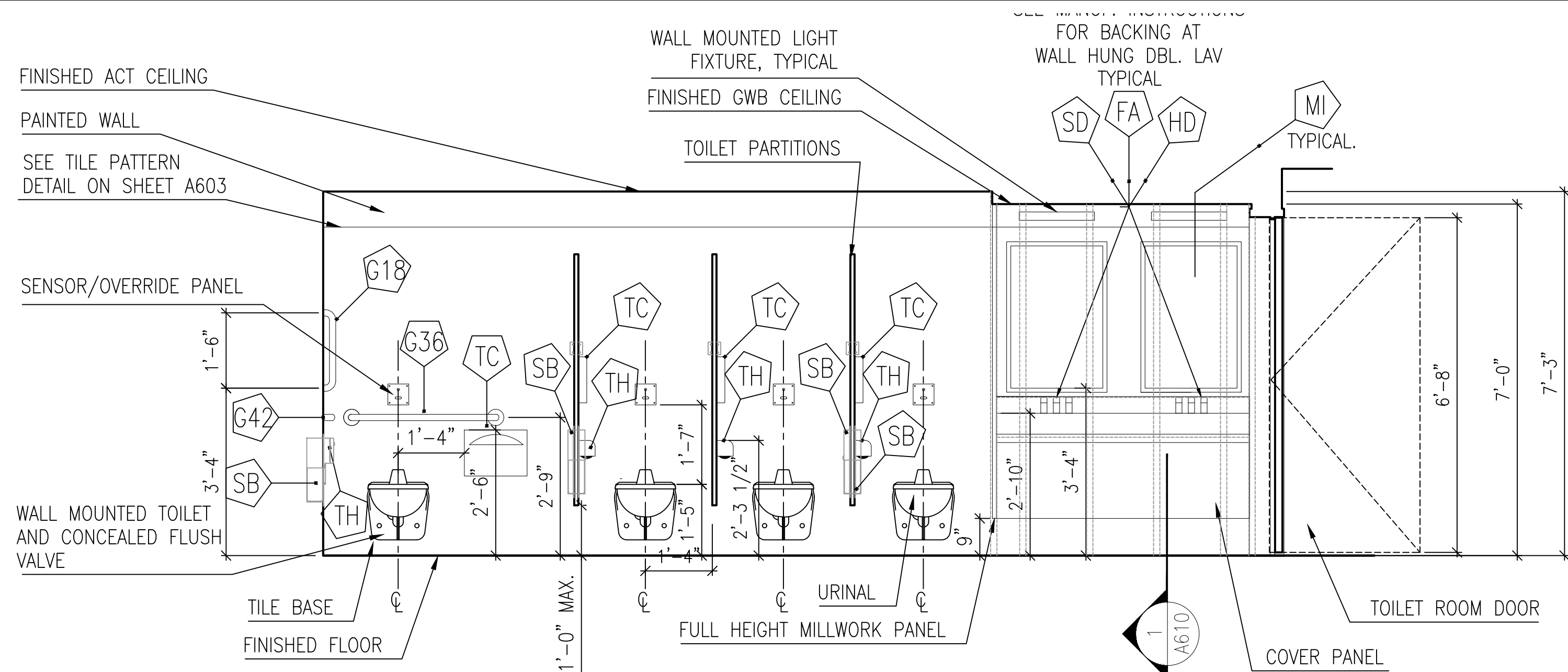
1 WOMEN'S ROOM 4 - SOUTH (MEN'S ROOM - OPPOSITE HAND)
1/2" = 1'-0"



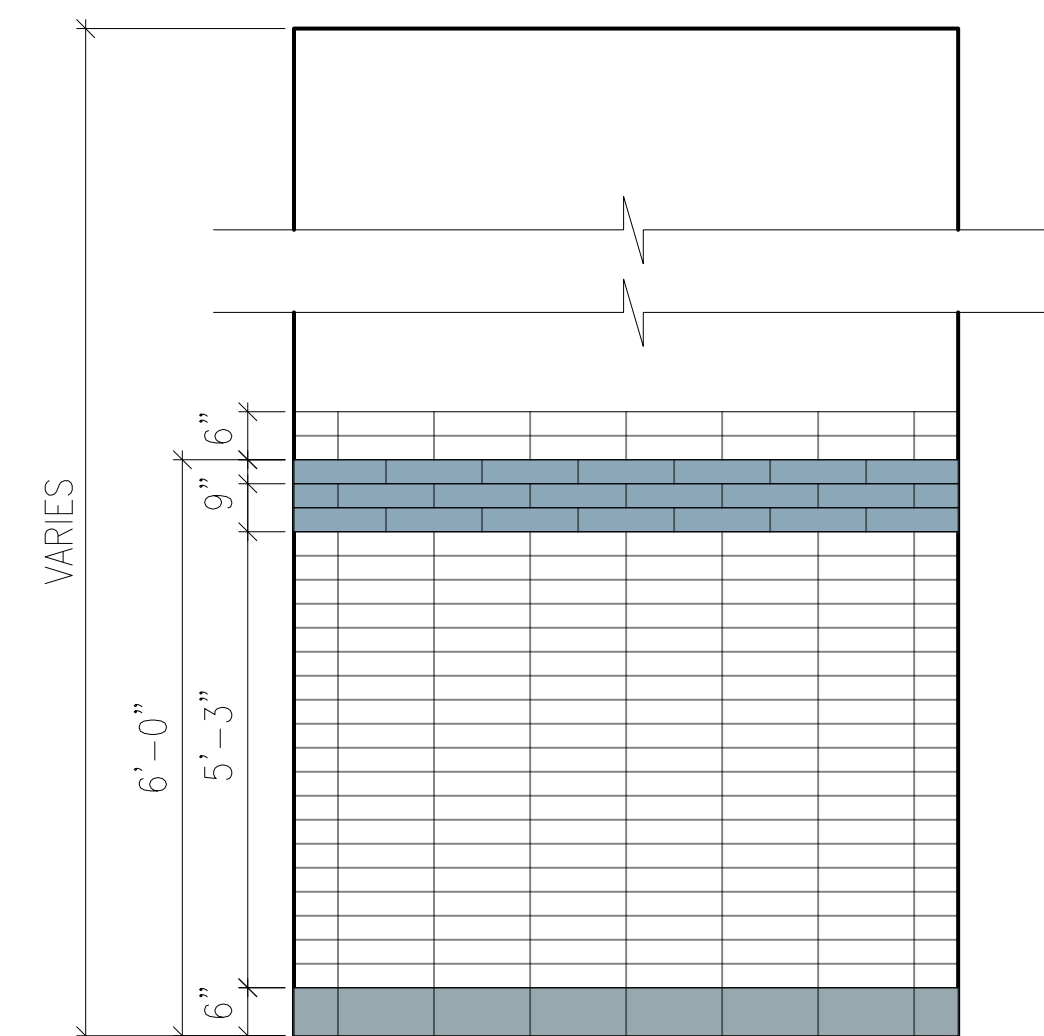
3 WOMEN'S ROOM 4 - NORTH (MENS ROOM - OPPOSITE HAND)
1/2" = 1'-0"



4 WOMEN'S ROOM 4 - WEST (MENS ROOM - OPPOSITE HAND)
1/2" = 1'-0"



2 WOMEN'S ROOM 4 - EAST (MEN'S ROOM - OPPOSITE HAND)
1/2" = 1'-0"

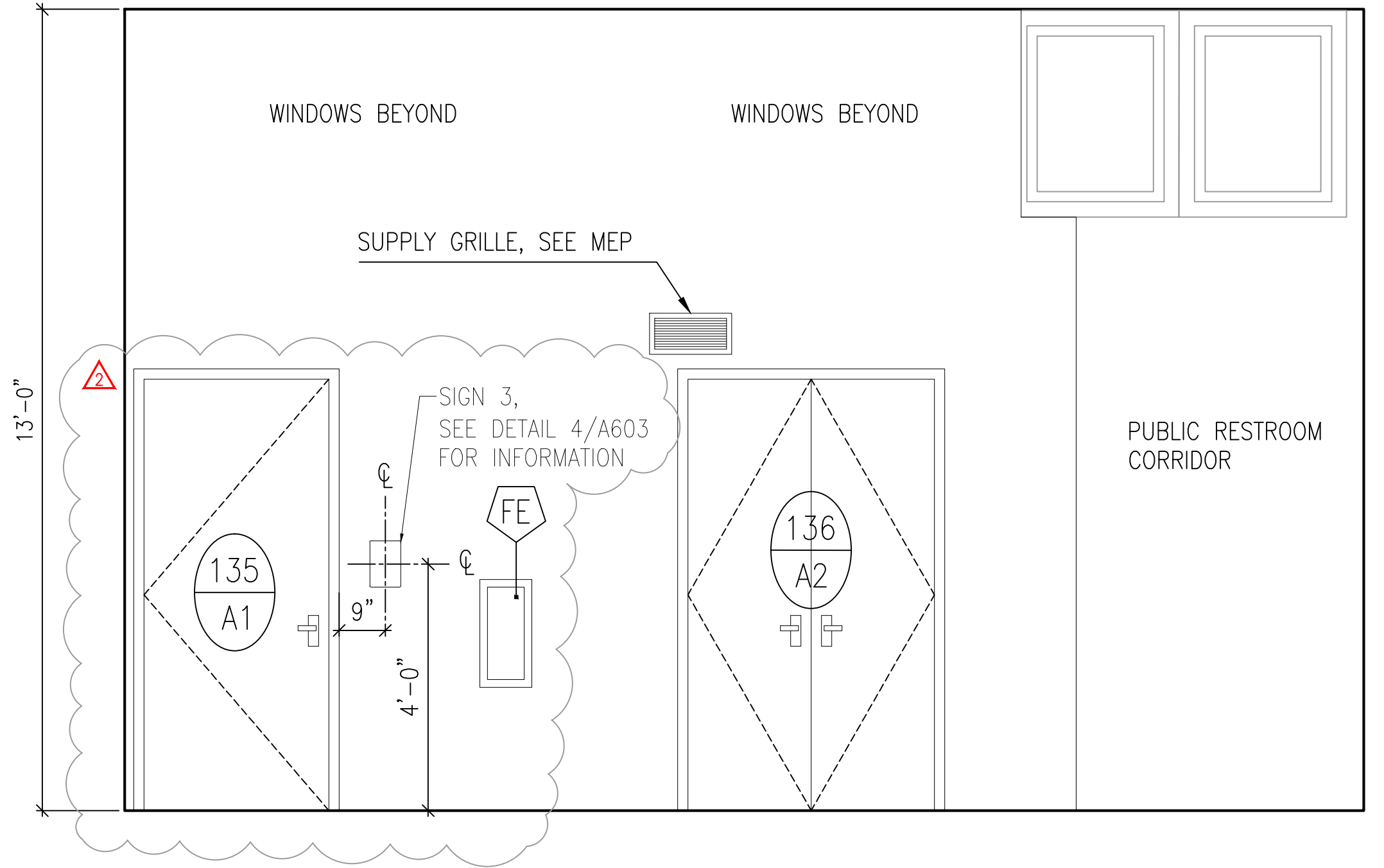


5 TILE PATTERN DIAGRAM
1/2" = 1'-0"

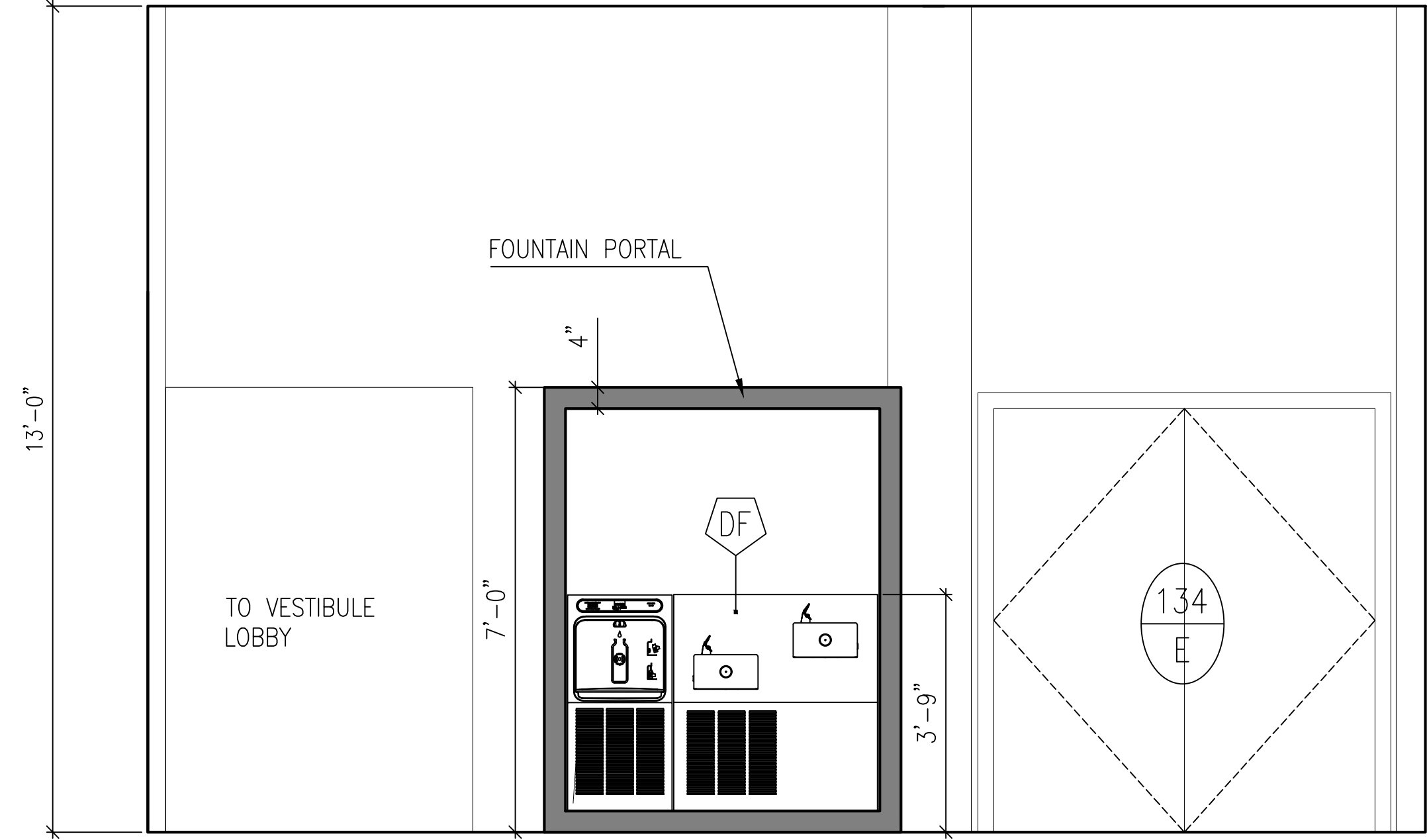
NOTE:
ALIGN TILE FLOOR AND WALL JOINTS
ALL ACCESSORY HEIGHTS ARE MEASURED FROM FINISHED FLOOR

N:\10 PROJECTS\10A-EDU\2578-01 - Pearl River Library Restrooms (23-026)\2578-01 - 10 Drawings (NEW)\2578-01_23_0317 - LAA - PROGRESS - CAD\2578-01_23_0526 - A601-603 - ELEVATIONS INTERIOR.dwg

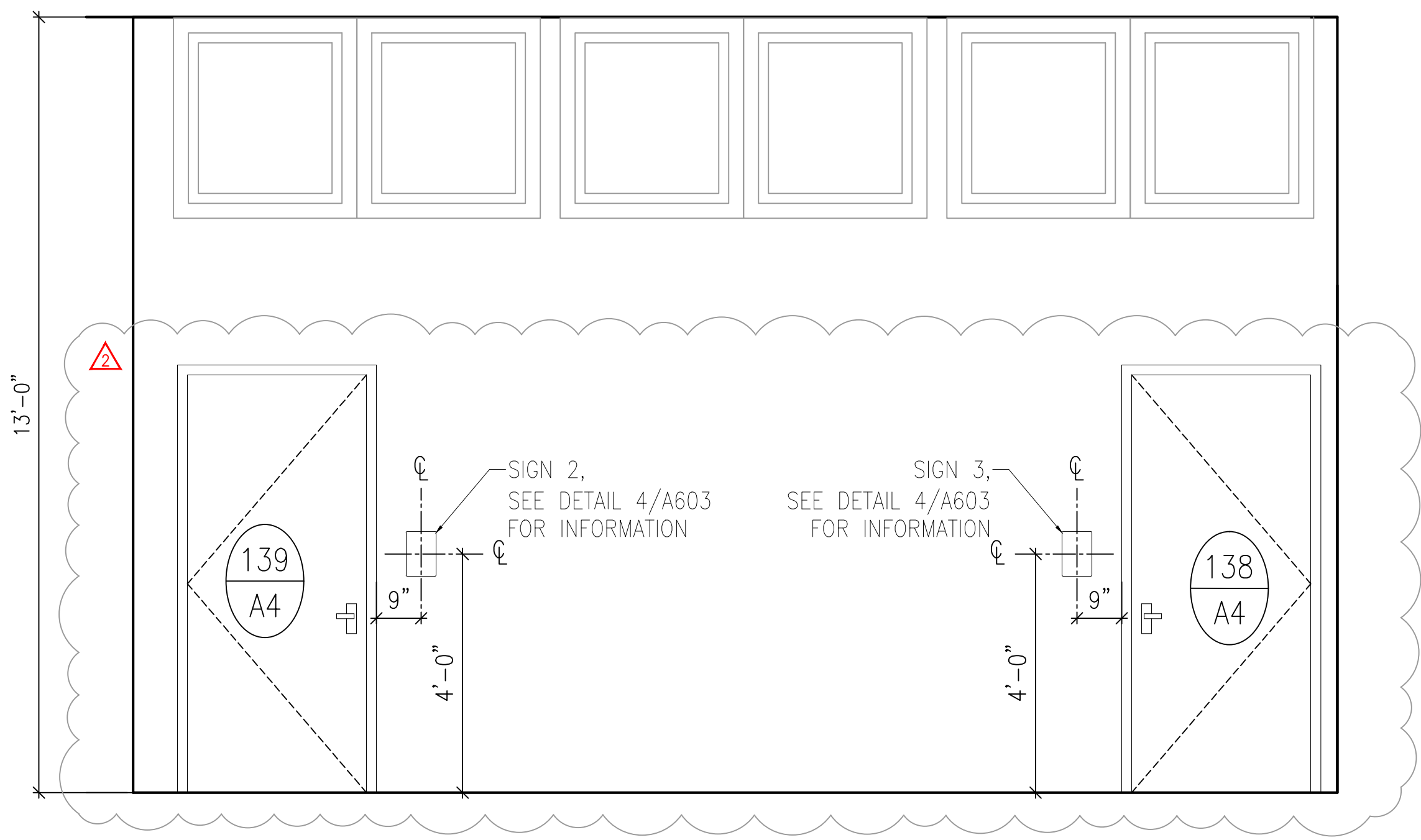
one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot
one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot



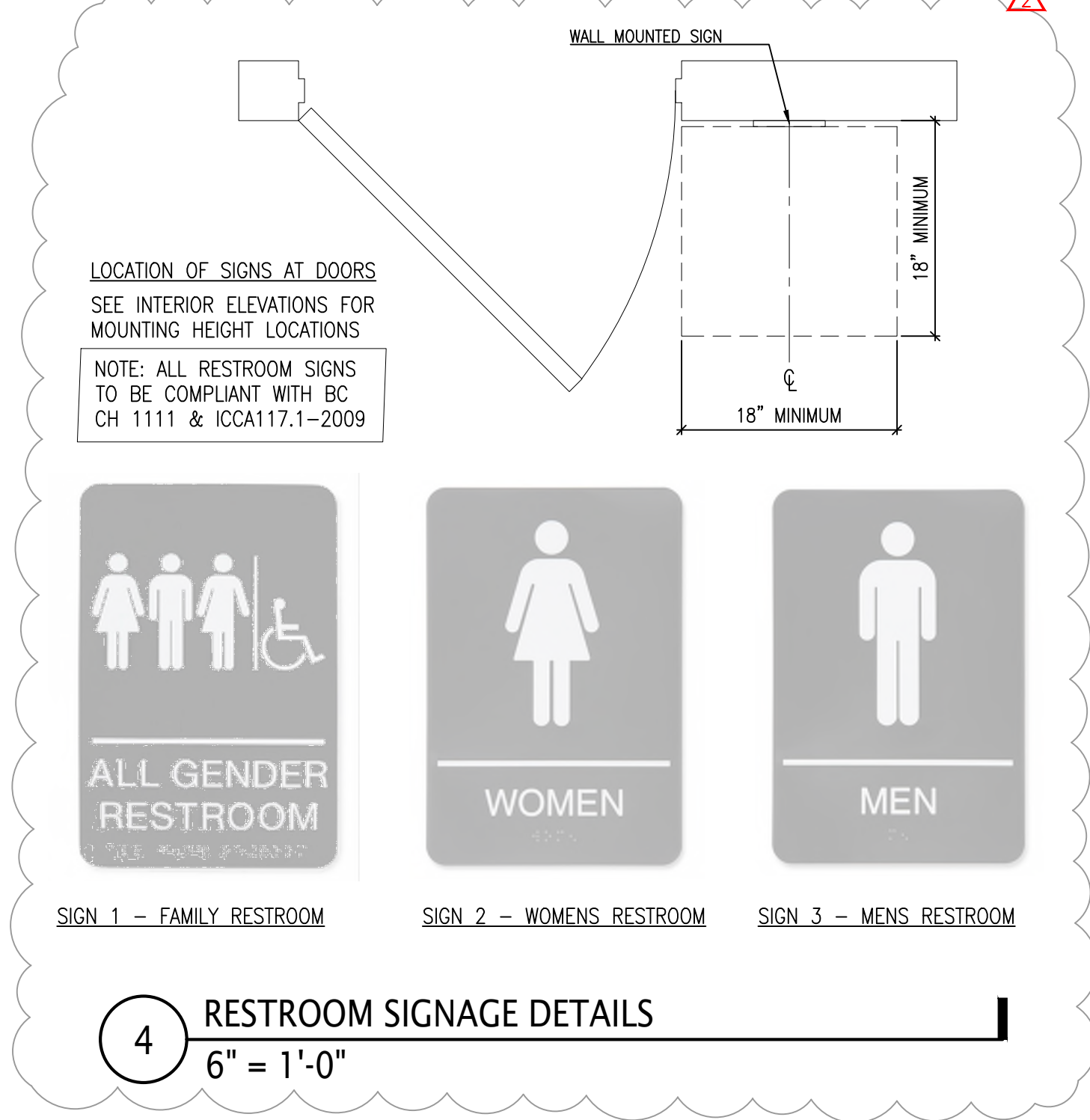
1 PUBLIC RESTROOM LOBBY: WEST
1/2" = 1'-0"



3 PUBLIC RESTROOM LOBBY: EAST
1/2" = 1'-0"



2 PUBLIC RESTROOM LOBBY NORTH
1/2" = 1'-0"



4 RESTROOM SIGNAGE DETAILS
6" = 1'-0"

ISSUE NO.	ISSUE DATE	DESCRIPTION
2	05-25-2023	NYSED REVISIONS
1	05-10-2023	ISSUED FOR NYSED SUBMISSION

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RESTROOMS RENOVATION

NY SED PROJECT CONTROL NO.
50 - 03 - 08 - 03 - 6 - 005 - 005

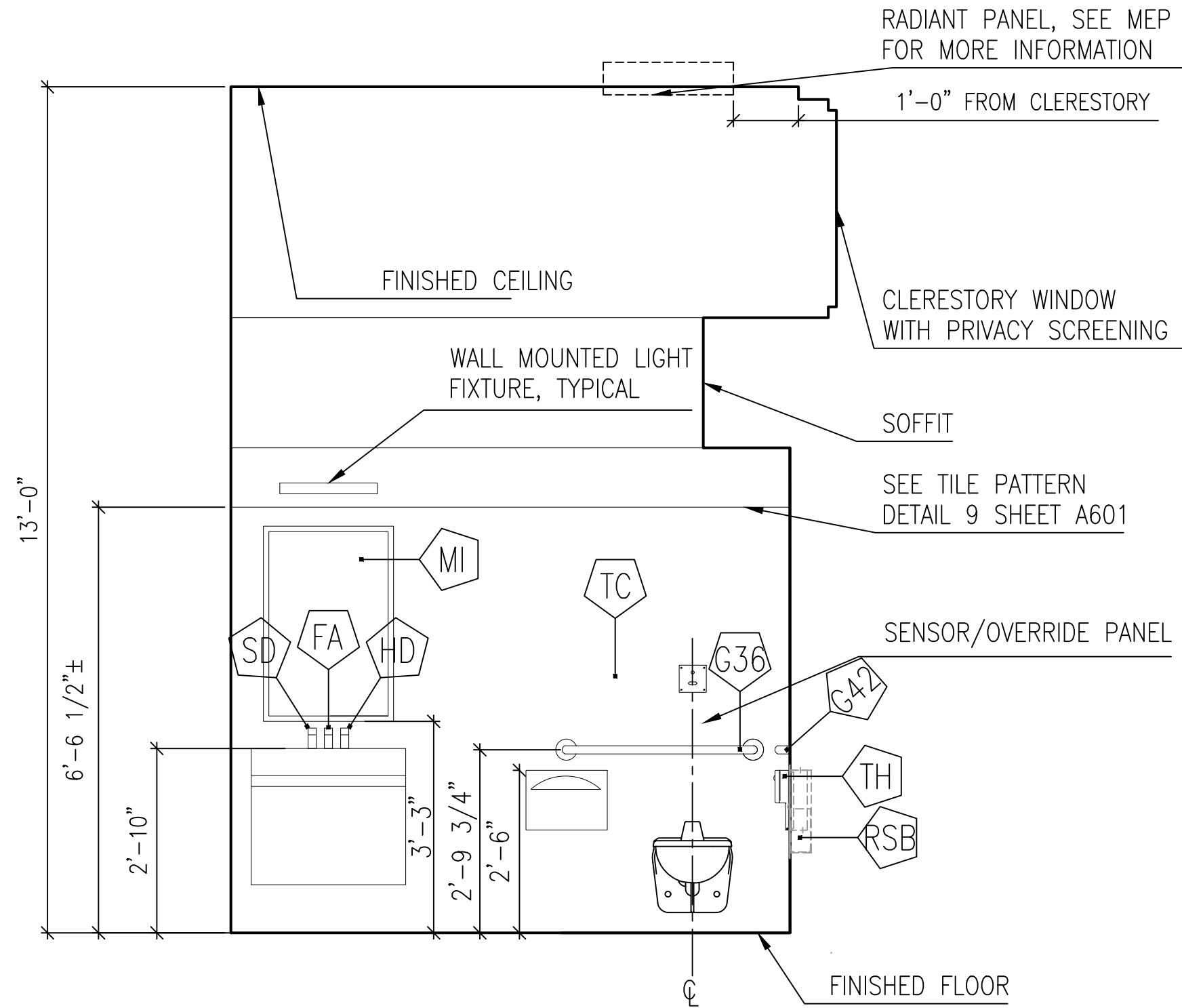
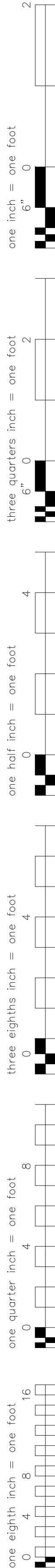
INTERIOR ELEVATIONS OF
PUBLIC RESTROOMS

PROJECT NO.:	2578-01	SCALE:
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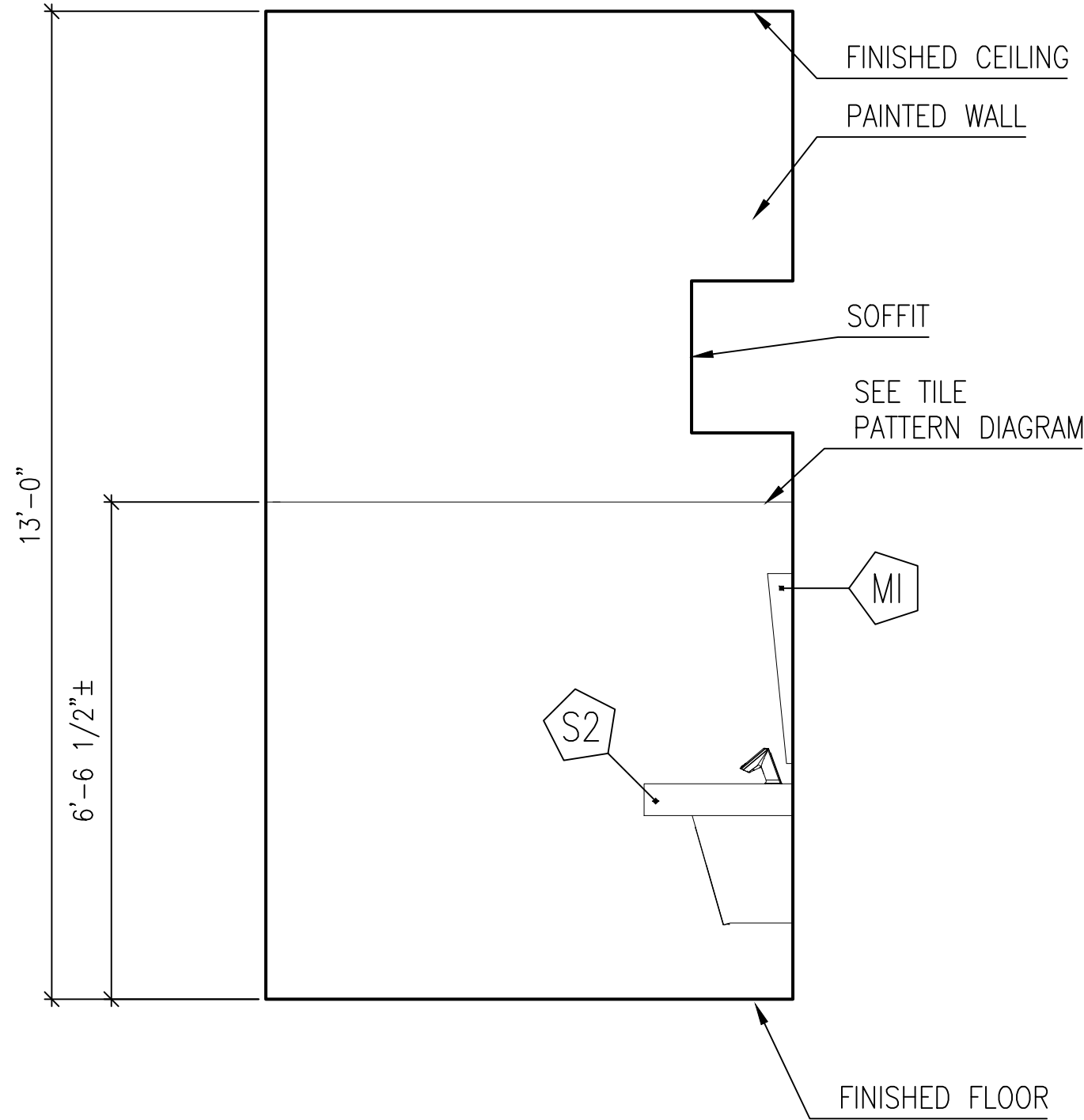
DRAWING NO.:

A603

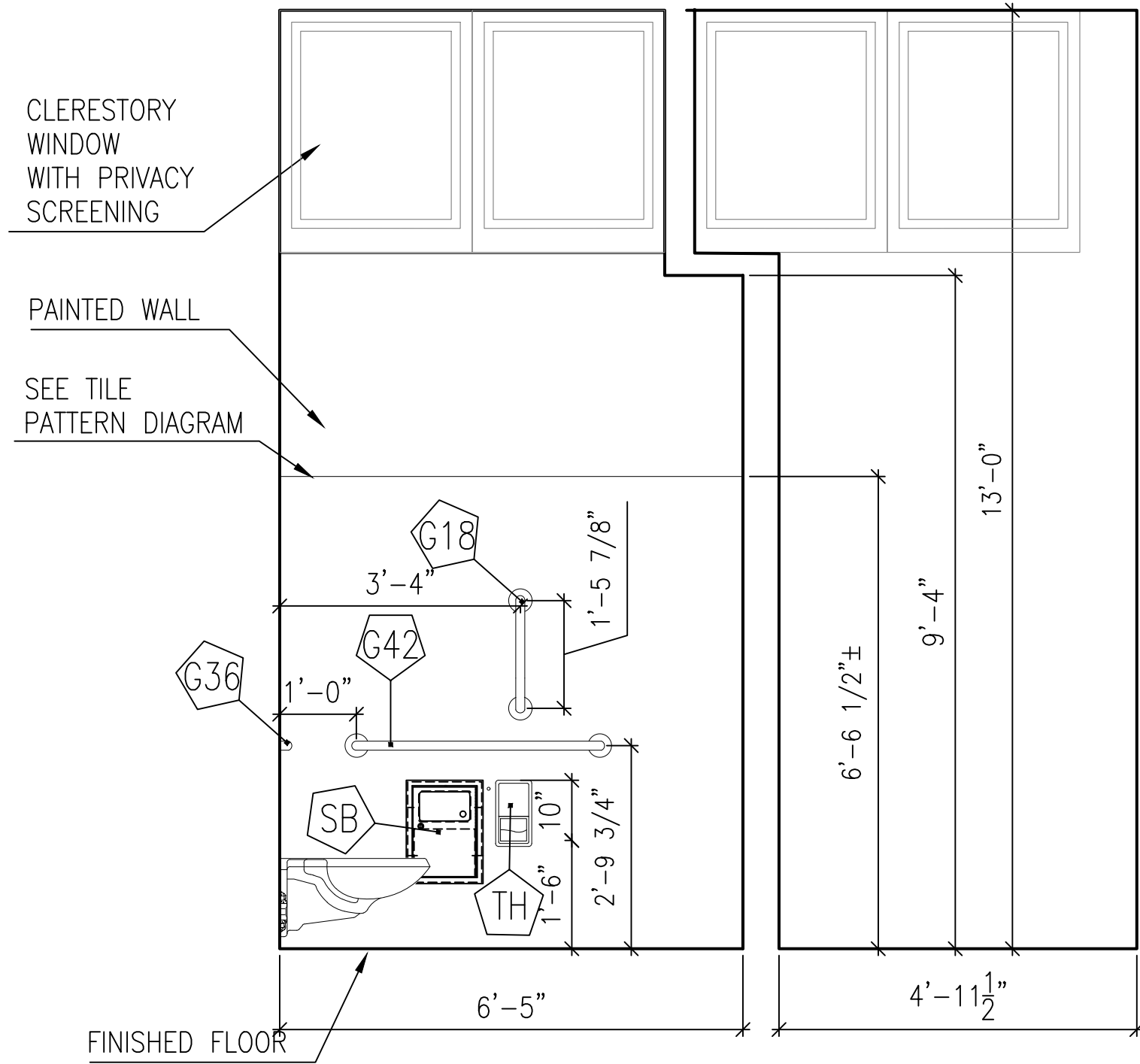
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1 FAMILY/UNISEX TOILET ROOM 2C - SOUTH (2A OPPOSITE HAND)
1/2" = 1'-0"



2 FAMILY/UNISEX TOILET ROOM 2C - EAST (2A OPPOSITE HAND)
1/2" = 1'-0"



4 FAMILY TOILET ROOM 2A - WEST (2B OPPOSITE HAND)
1/2" = 1'-0"

3 FAMILY/UNISEX TOILET ROOM 2C - NORTH (2A OPPOSITE HAND)
1/2" = 1'-0"

1	05-10-2023	ISSUED FOR NYSED SUBMISSION
ISSUE NO.	ISSUE DATE	DESCRIPTION

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INTERIOR ELEVATIONS:
PUBLIC RESTROOMS

PROJECT NO.: 2578-01 SCALE:

DRAWING NO.:

A602



SYMBOL & ABBREVIATIONS												GENERAL NOTES
SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION	1. CONTRACT DRAWINGS, AS FAR AS THEY RELATE TO THE GENERAL ARRANGEMENT AND LOCATION OF EQUIPMENT, AND PIPING, SHALL BE UNDERSTOOD AS DIAGRAMMATIC. ANY CHANGES TO EQUIPMENT, AND PIPING LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST, AND MUST BE APPROVED BY THE ENGINEER. 2. THE MECHANICAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE BEGINNING OF WORK, AND SHALL COORDINATE ALL WORK WITH OTHER TRADES. 3. LOCATE THERMOSTATS AND TEMPERATURE SENSORS 5'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. COORDINATE LOCATION WITH FURNITURE, CABINETS, ETC. & WITH ARCHITECTURAL DRAWINGS. 4. THE MECHANICAL CONTRACTOR SHALL NOTE THAT, IN ADDITION TO THE SPECIFICATIONS AND DETAILS GIVEN IN THESE PLANS FOR PIPE HANGERS AND SUPPORTS, ALL HANGERS AND SUPPORTS SHALL BE DESIGNED AND INSTALLED IN COMPLIANCE WITH APPLICABLE SEISMIC CODES. 5. THE MECHANICAL CONTRACTOR SHALL SUBMIT FOR REVIEW A COMPOSITE SHOP DRAWING, FULLY COORDINATED WITH ALL OTHER TRADES, PLUMBING AND SPRINKLER PIPING, SMOKE DETECTORS, LIGHTS, CONDUITS, ETC. 6. ALL WORK SHALL COMPLY WITH STATE BUILDING CODE, LOCAL BUILDING CODE, AND ENERGY CODE REQUIREMENTS. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY. 7. WHEN GENERAL CONSTRUCTION IS COMPLETE, VACUUM CLEAN ALL HVAC EQUIPMENT. REMOVE ANY CONSTRUCTION DEBRIS. REPLACE ALL AIR FILTERS WITH NEW. 8. THE OWNER'S PERMANENT HVAC EQUIPMENT (EXISTING / NEW) SHALL NOT BE USED BY ANY CONTRACTOR DURING CONSTRUCTION FOR TEMPORARY HEATING, COOLING, VENTILATION, OR ANY OTHER PURPOSE. IF TEMPORARY HEATING, COOLING, VENTILATION, OR AIRFLOW IS REQUIRED AT ANY POINT DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY HEATING, COOLING, OR VENTILATION EQUIPMENT, DUCTWORK, CONTROLS, AND POWER AT THEIR OWN EXPENSE. 9. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF MECHANICAL WORK, INCLUDING THE INSTALLATION OF HANGERS FOR PIPING, DUCTWORK, OR EQUIPMENT, SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING. 10. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES. 11. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, ACCESS PANELS, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION CONTROL CONDUITS, AND PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE MECHANICAL WORK. 12. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING OF ALL EXISTING SUPPLY AIR DUCTWORK ON THE FIRST, SECOND, & THIRD FLOORS WITHIN THE PROJECT AREA. 13. THE MECHANICAL CONTRACTOR SHALL OBTAIN PRICING FROM "WESTROCK MECHANICAL CORP." PERFORMING THE AUTOMATIC TEMPERATURE CONTROLS AND BUILDING AUTOMATION SYSTEM INTEGRATION WORK AND INCLUDE THIS COST IN THEIR BID 19. ALL EQUIPMENT, MATERIALS, PRODUCTS, ETC., USED/INSTALLED ABOVE THE CEILING SHALL BE PLENUM RATED.			
-	AC-	AIR CONDITIONING UNIT		-	FILTER DRYER		SD/AD	SMOKE DAMPER W/ ACCESS DOOR				
-	ACC-	AIR COOLED CONDENSING UNIT		-	FILTER		CFSD	COMBINATION FIRE/SMOKE DAMPER W/ ACCESS DOOR				
-	AD	ACCESS DOOR		-	BALL VALVE		VD	VOLUME DAMPER				
-	AHU-	AIR HANDLING UNIT		-	PRESSURE GAGE		AL	ACOUSTIC LINING				
-	AP	ACCESS PANEL		-	TERMOMETER		-	DUCT SIZE - 1ST FIGURE IS SIDE SHOWN				
-	BDD	BACKDRAFT DAMPER		-	CHECK VALVE		FC	FLEXIBLE CONNECTION				
-	CP-	CONDENSATE PUMP		-	UNION		-	ALUMINUM DUCT				
-	DIA. OR Ø	DIAMETER		EX.	EXISTING TO REMAIN		-	EQUIPMENT TAG				
-	DX	DIRECT EXPANSION		REL.	REMOVE AND RELOCATE		-	AIR OUTLET CFM TAG				
-	EA	EXHAUST AIR		NEW	NEW WORK		-	AIR CONDITIONING UNIT				
-	EAT	ENTERING AIR TEMPERATURE		DEM.	EXISTING TO BE REMOVED		-	AIR HANDLING UNIT				
-	EF-	EXHAUST FAN		-	PIPE DEMOLITION		-	CEILING DIFFUSER				
-	EL	ELEVATION		-	PIPE DEMOLITION		-	CHILLER				
-	ER	EXHAUST REGISTER		-	PIPE DEMOLITION		-	CONDENSATE PUMP				
-	ESP	EXTERNAL STATIC PRESSURE		-	CHILLED WATER SUPPLY		-	EXHAUST FAN				
-	EWI	ENTERING WATER TEMPERATURE		-	CHILLED WATER RETURN		-	GENERAL EXHAUST FAN				
-	GPM	GALLONS PER MINUTE		-	DRAIN		-	HEAT EXCHANGER				
-	HP	HORSE POWER		-	DUAL TEMPERATURE SUPPLY		-	LOUVER				
-	HV-	HEATING AND VENTILATING UNIT		-	DUAL TEMPERATURE RETURN		-	PUMP				
-	LAT	LEAVING AIR TEMPERATURE		-	HOT WATER SUPPLY		-	RETURN FAN				
-	LWT	LEAVING WATER TEMPERATURE		-	HOT WATER RETURN		-	REHEAT COIL				
-	MER	MECHANICAL EQUIPMENT ROOM		-	PUMP DISCHARGE, CONDENSATE		-	RADIANT HEAT PANEL				
-	OAI	OUTSIDE AIR INTAKE		-	REFRIGERANT LIQUID		-	RADIANT HEAT PANEL				
-	RA	RETURN AIR		-	REFRIGERANT SUCTION		-	RETURN REGISTER				
-	RF-	RETURN FAN		-	REFRIGERANT HOT GAS		-	SUPPLY REGISTER				
-	SA	SUPPLY AIR		-	THERMOSTAT		-	SUPPLY REGISTER				
-	SP	STATIC PRESSURE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
-	TD	TRANSFER DUCT		-	THERMOSTAT		-	TOILET EXHAUST FAN				
-	TDH	TOTAL DYNAMIC HEAD		-	THERMOSTAT		-	TOILET EXHAUST FAN				
-	TF-	TRANSFER FAN		-	THERMOSTAT		-	TOILET EXHAUST FAN				
-	TSP	TOTAL STATIC PRESSURE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
-	TYP.	TYPICAL		-	THERMOSTAT		-	TOILET EXHAUST FAN				
-	U.O.N.	UNLESS OTHERWISE NOTED		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	3-WAY VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	FLEXIBLE CONNECTION		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	2-WAY VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	PLUG VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	LOCK SHIELD VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	GATE VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	GLOBE VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	TEE DOWN		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	ELBOW DOWN		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	TEE UP		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	ELBOW UP		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	STRAINER		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	BASKET STRAINER		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	PRESSURE REDUCING VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	FLOW ARROW		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	BUTTERFLY VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	BALANCING VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	MANUAL AIR VENT		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	SOLENOID VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				
	-	MOTORIZED VALVE		-	THERMOSTAT		-	TOILET EXHAUST FAN				

333 Westchester Avenue
White Plains, New York 10604
914-741-1115

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2	04/25/2023	ISSUED FOR NYSED SUBMISSION
1	03/22/2023	ISSUED FOR PROGRESS
ISSUE NO.	ISSUE DATE	DESCRIPTION

PROJECT
NORTH
KEY PLAN

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RESTROOM
RENOVATION

MECHANICAL SYMBOLS,
ABBREVIATIONS AND
GENERAL NOTES

PROJECT NO.: 2578-01

SCALE: AS NOTED

DRAWING NO.: M-001

333 Westchester Avenue
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914-741-1115



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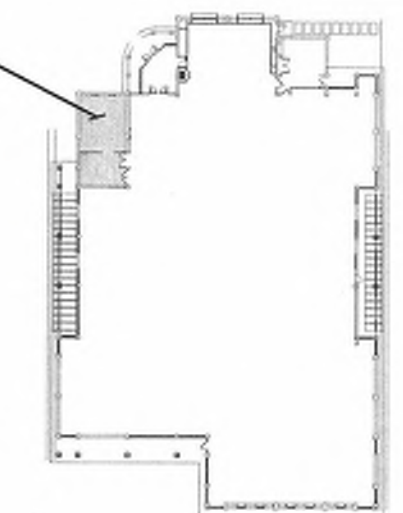
8 West 38th Street,
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1	03/22/2023	ISSUED FOR PROGRESS
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AREA OF WORK -



PROJECT
NORTH
KEY PLAN



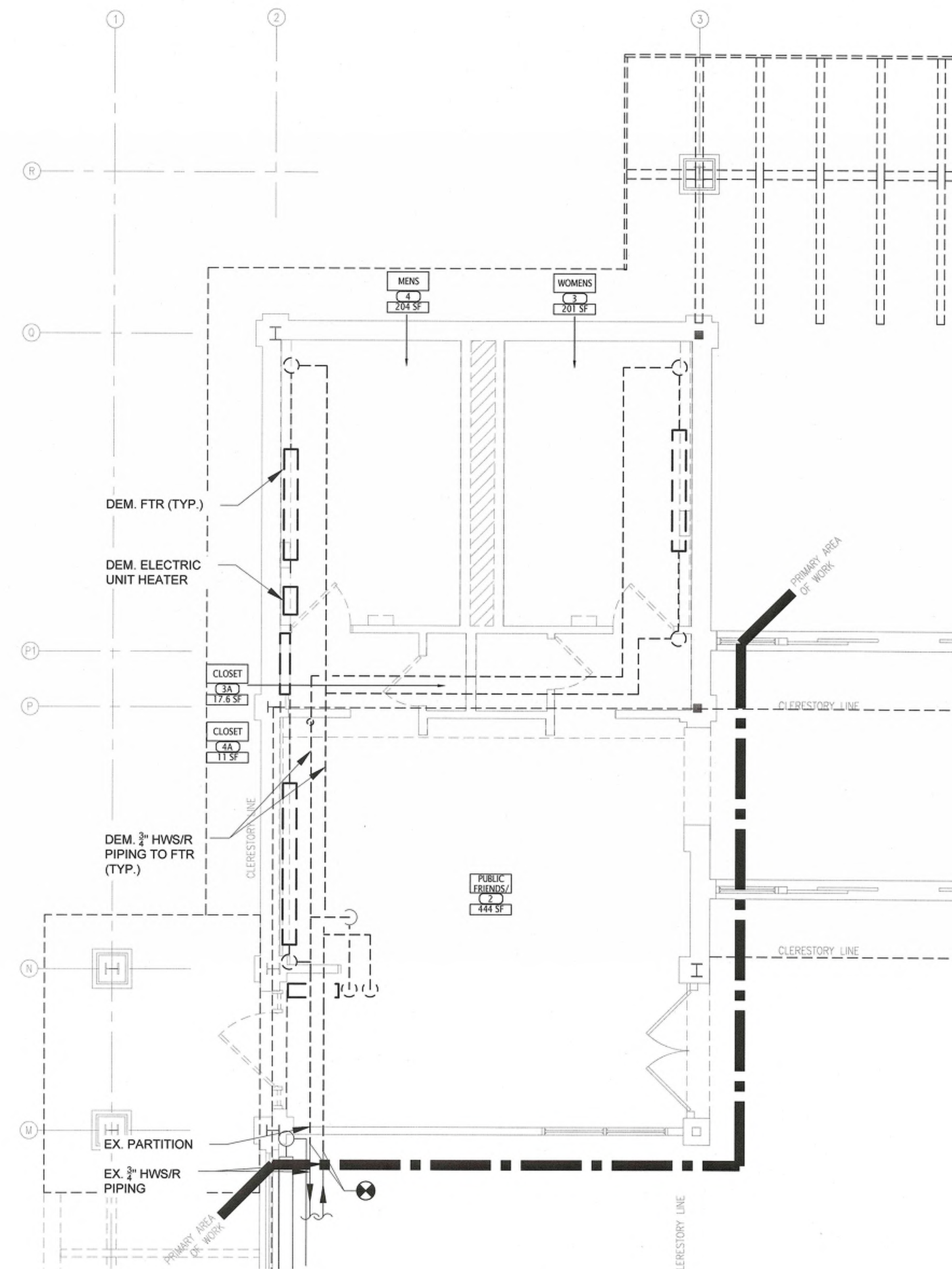
PEARL RIVER
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RESTROOM
RENOVATION

RESTROOM PARTIAL MECHANICAL DEMO PLAN

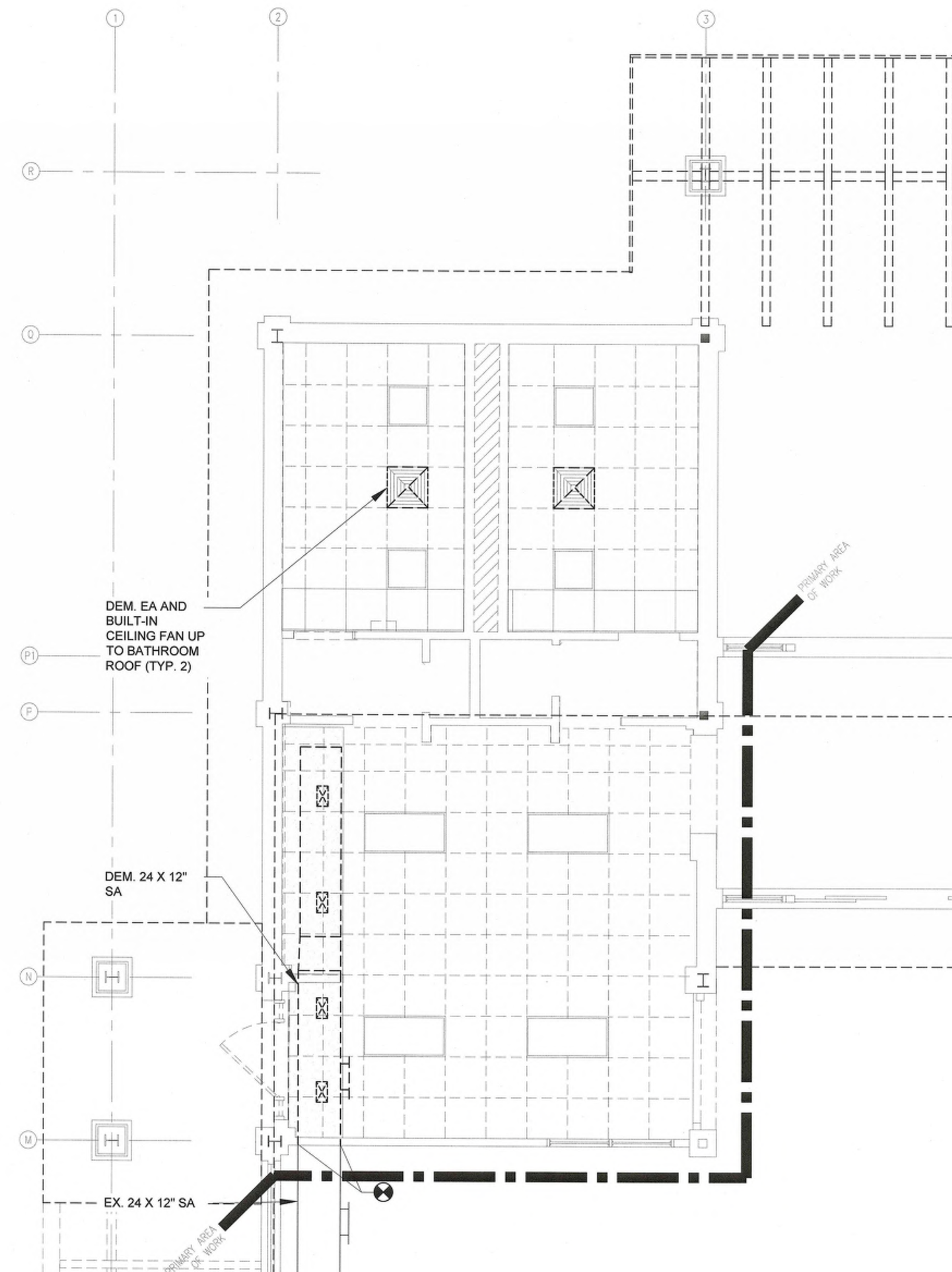
PROJECT NO.:	2578-01	SCALE:	AS NOTED
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DRAWING NO.:

M-101/

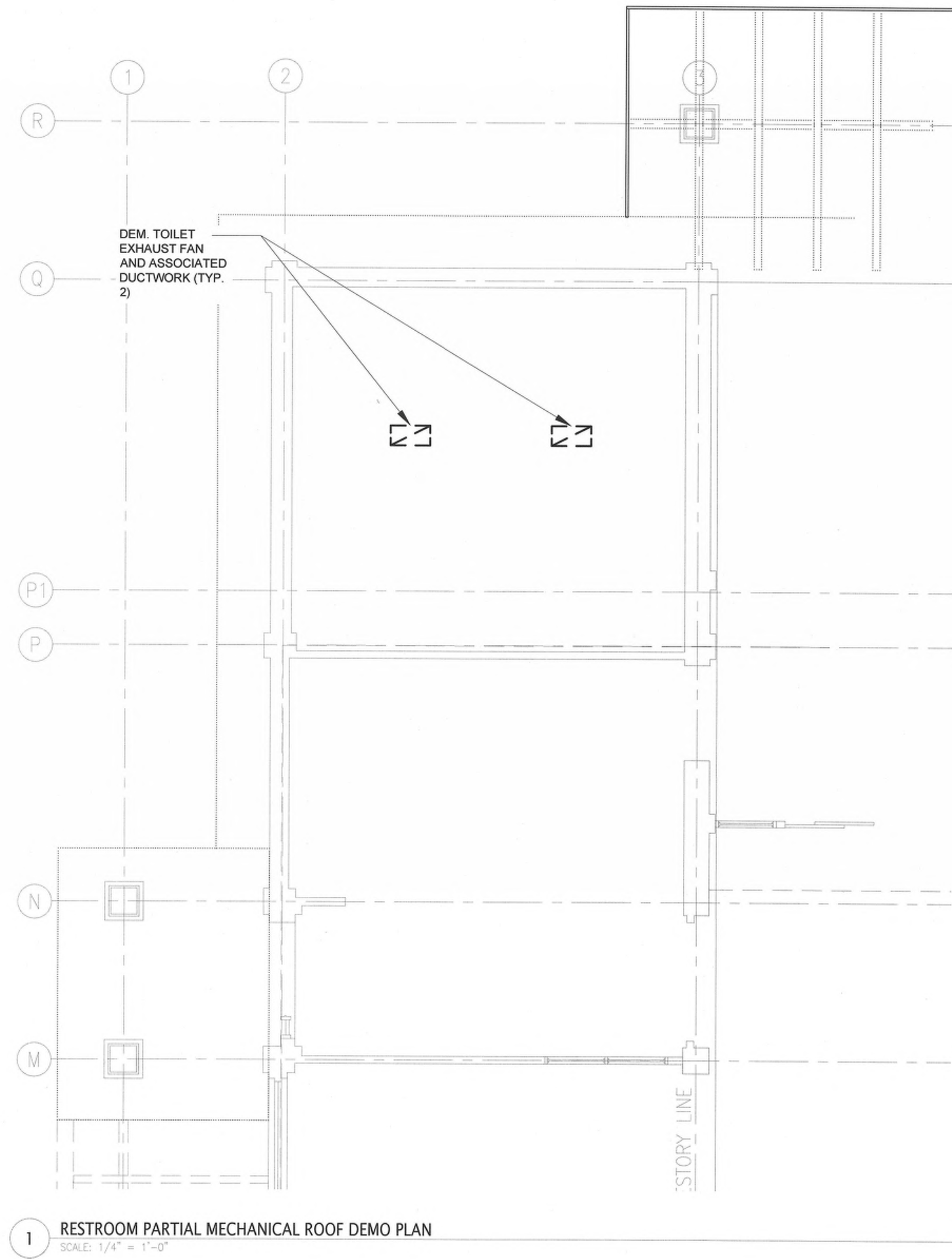


1 RESTROOM PARTIAL MECHANICAL DEMO WORK PIPING FLOOR PLAN
SCALE: 1/4" = 1'-0"



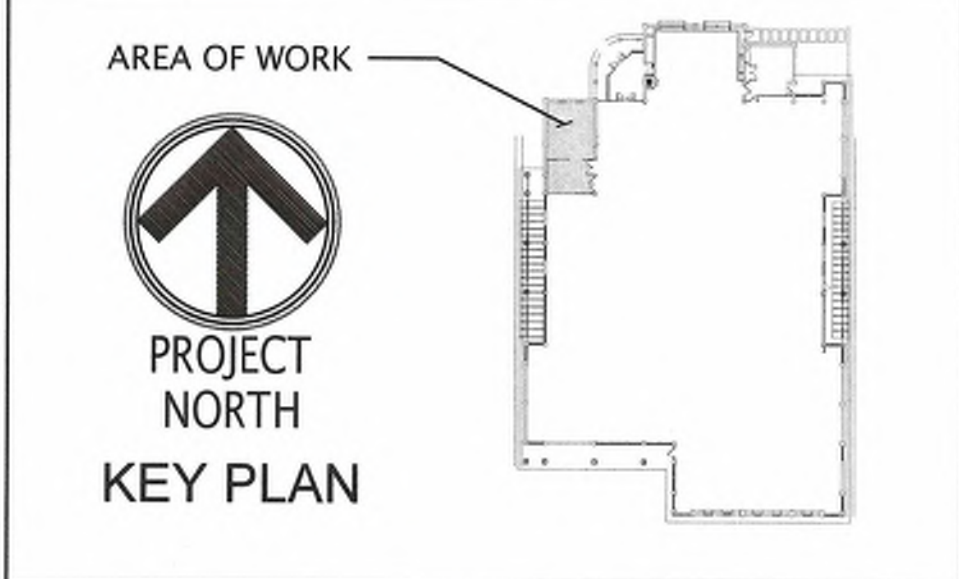
2 RESTROOM PARTIAL MECHANICAL DEMO WORK DUCTWORK FLOOR PLAN
SCALE: 1/4" = 1'-0"

one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4 8
three eighths inch = one foot
0 4
one half inch = one foot
0 4
three quarters inch = one foot
0 6
one inch = one foot
0 6 12



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RESTROOM PARTIAL
MECHANICAL ROOF DEMO
PLAN

PROJECT NO.:	2578-01	SCALE:	AS NOTED
DRAWING NO.:	M-102		





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AREA OF WORK



PROJECT
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KEY PLAN

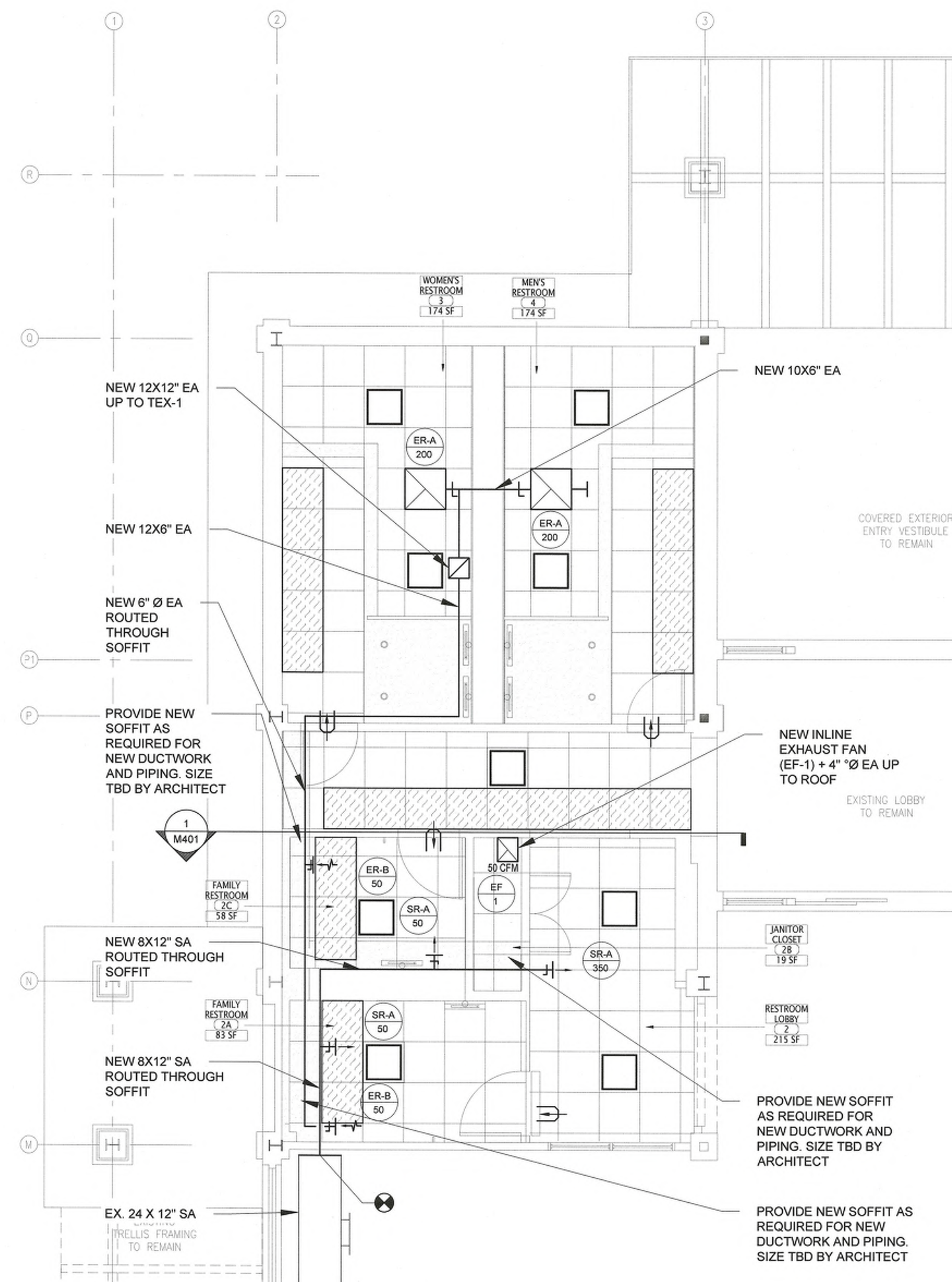
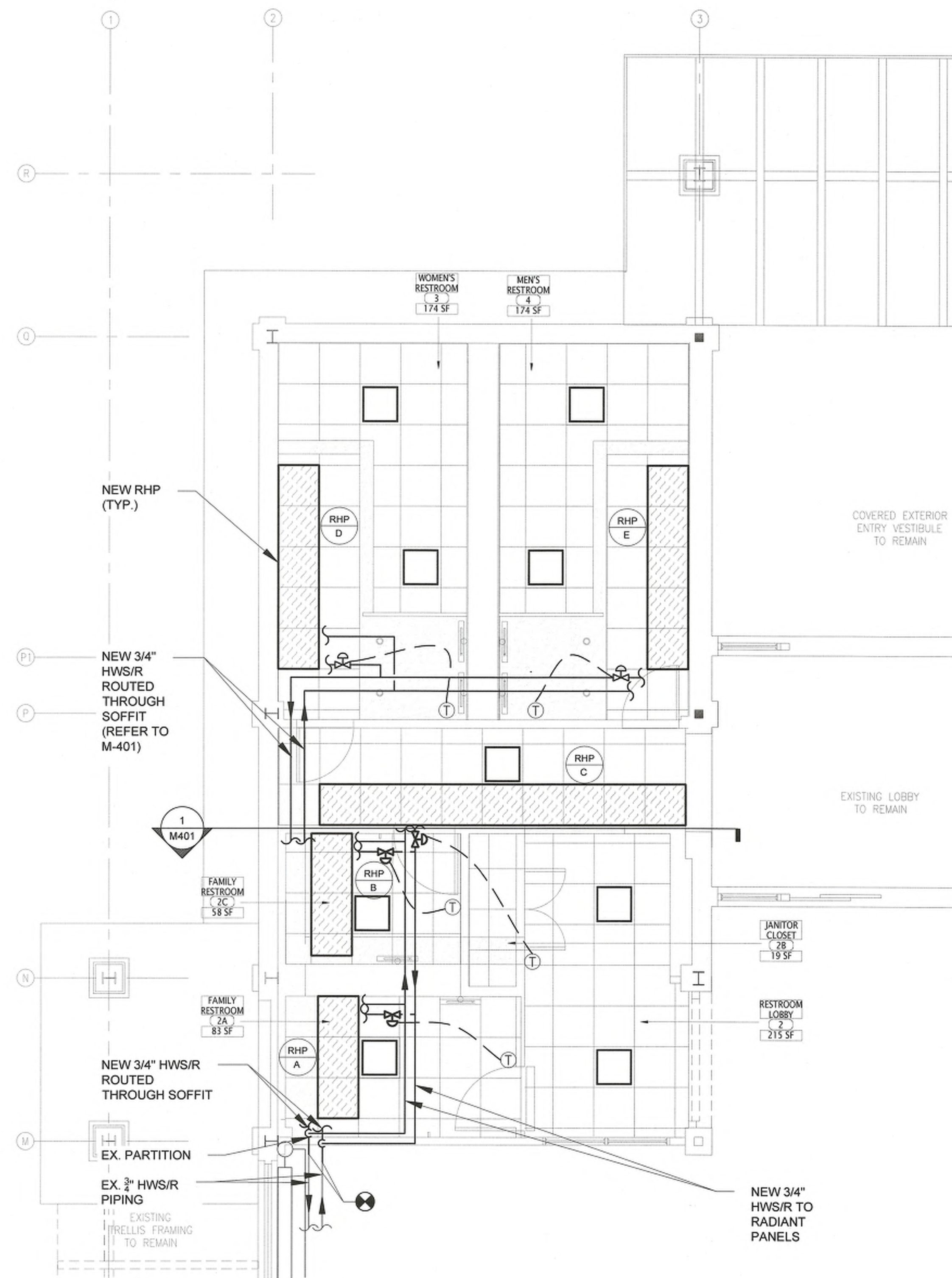
PEARL RIVER PUBLIC LIBRARY RESTROOM RENOVATION

RESTROOM PARTIAL MECHANICAL NEW WORK PLAN

PROJECT NO.: 2578-01 SCALE: AS NOTED

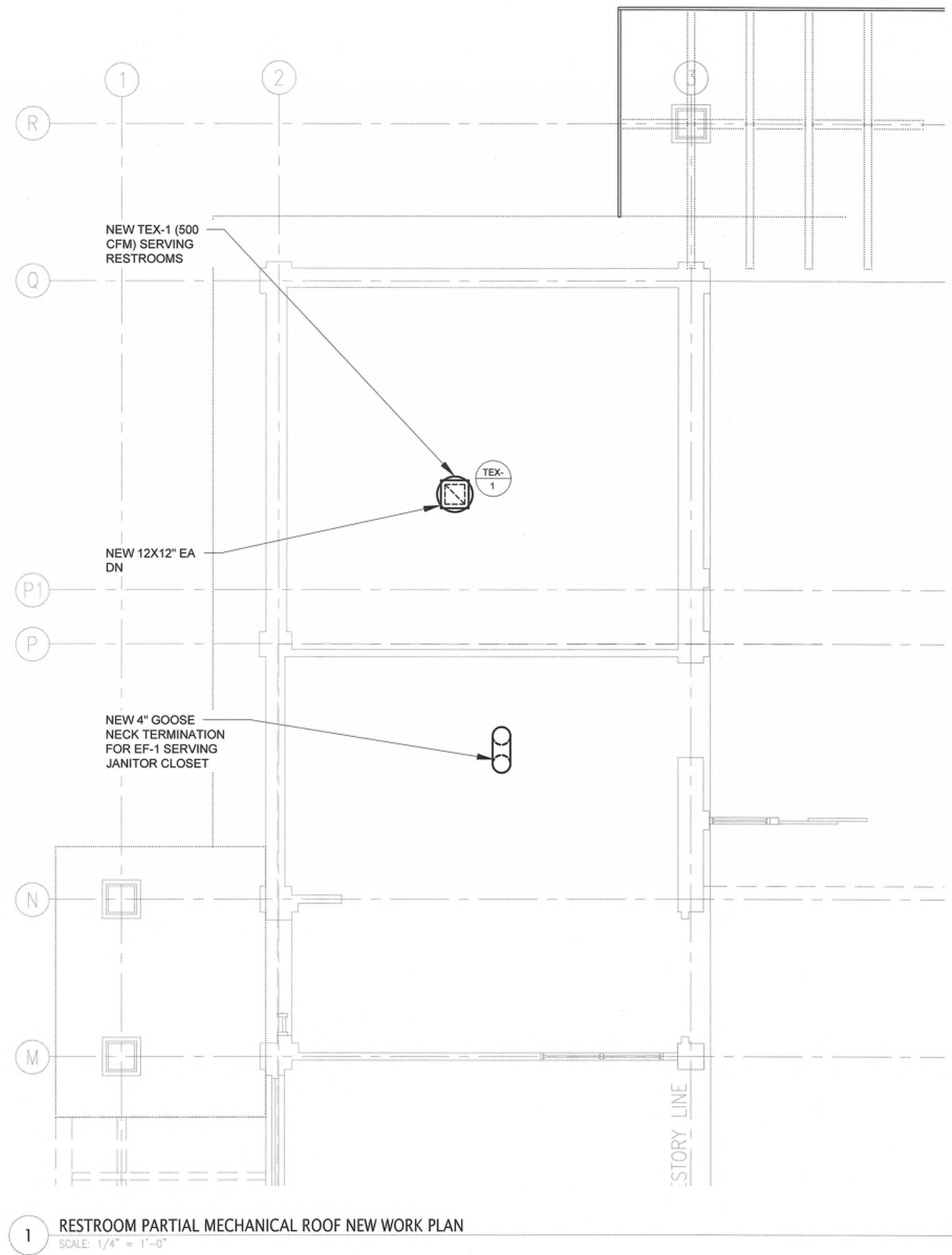
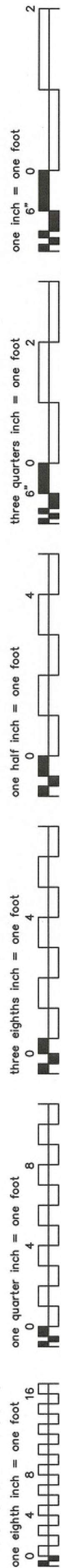
DRAWING NO.:

M-201



TAB SCOPE OF WORK NOTES:
1.) PROVIDE PRE-TAB READINGS FOR EX. AC-2. AC-2
OA DAMPER MINIMUM POSITION SHALL BE
RECALIBRATED FOR ADDITIONAL 365 CFM OF
MAKEUP AIR
2.) REFER TO SPEC SECTION 230593 FOR FULL TAB
REQUIREMENTS.

\\Projects\LA\N\A\A2031_01\Drawings.dwg

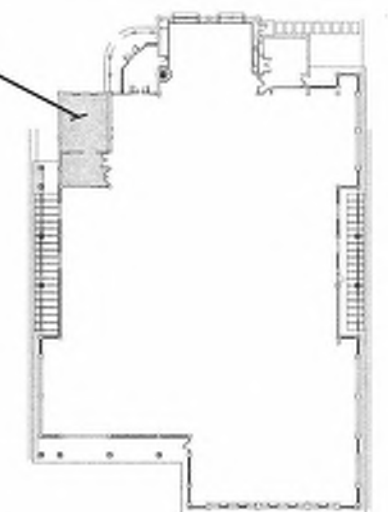


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ISSUE NO.	ISSUE DATE	DESCRIPTION

AREA OF WORK

PROJECT
NORTH
KEY PLAN



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RESTROOM
RENOVATION

RESTROOM PARTIAL
MECHANICAL ROOF NEW
WORK PLAN

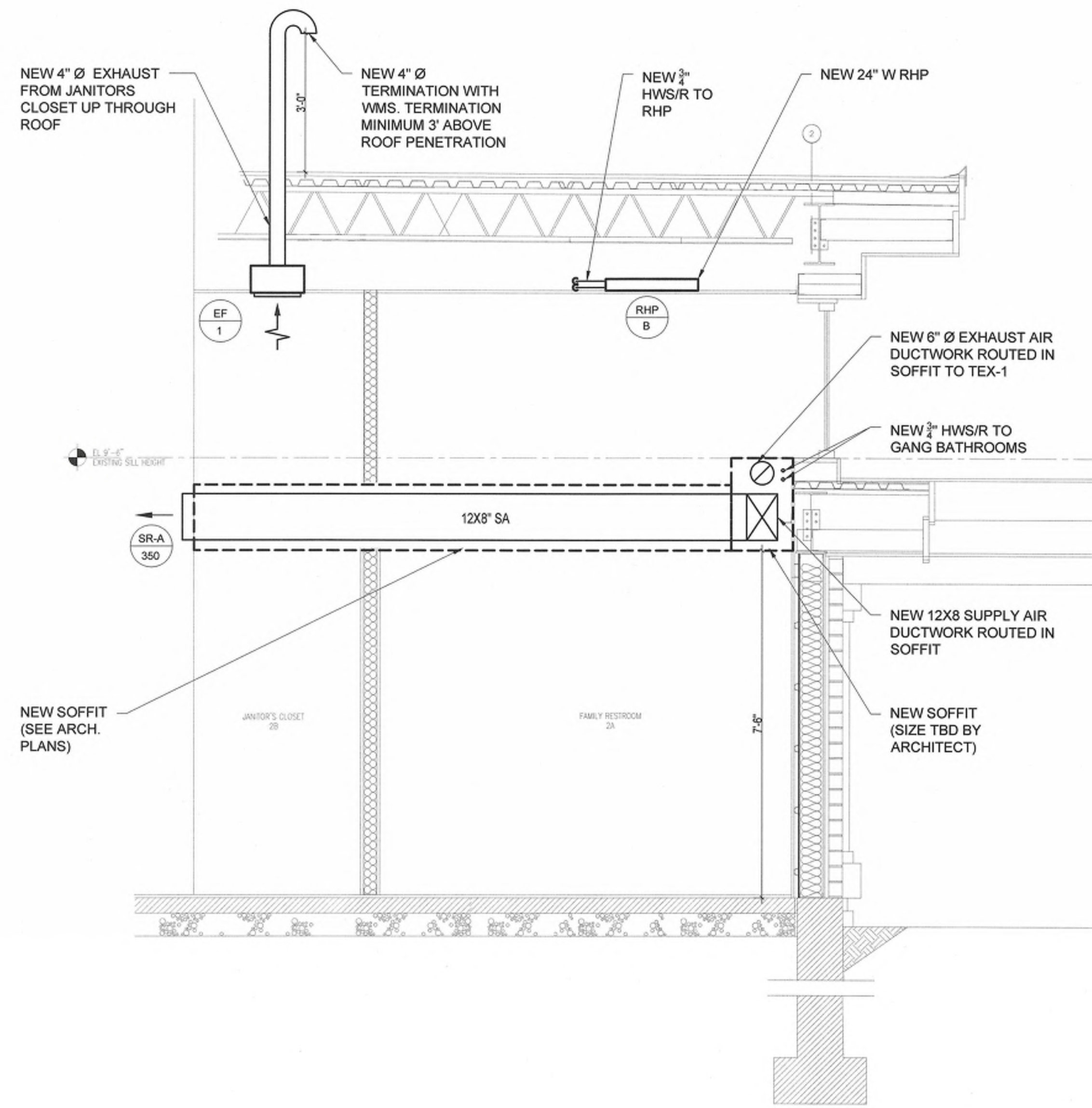
PROJECT NO.: 2578-01 SCALE: AS NOTED

DRAWING NO.:

M-202



one eighth inch = one foot
0 4 8 16
one quarter inch = one foot
0 4 8
three eighths inch = one foot
0 4 8
one half inch = one foot
0 4
three quarters inch = one foot
0 4 8
one inch = one foot
0 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108 114 120 126 132 138 144 150 156 162 168 174 180 186 192 198 204 210 216 222 228 234 240 246 252 258 264 270 276 282 288 294 300 306 312 318 324 330 336 342 348 354 360

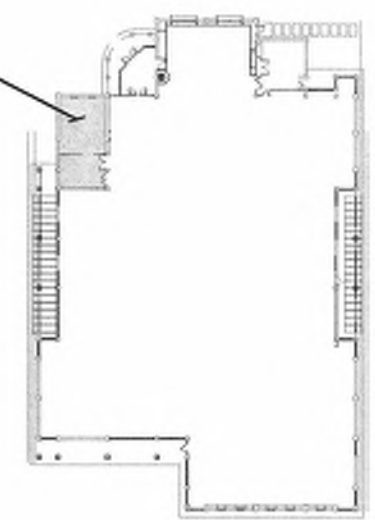


1 RESTROOM PARTIAL MECHANICAL SECTION VIEW
SCALE: 1/2" = 1'-0"



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RENOVATION

RESTROOM PARTIAL
MECHANICAL SECTION VIEW

PROJECT NO.: 2578-01 SCALE: AS NOTED

DRAWING NO.:

M-401



E:\Projects\AA\W\AA40031\01\Draw\ME.dwg

one eighth inch = one foot

one quarter inch = one foot

three eighths inch = one foot

one half inch = one foot

three quarters inch = one foot

one inch = one foot

FAN SCHEDULE		
DESIGNATION	TEX-1	EF-1
LOCATION	ROOF	IN-LINE
AREA SERVED	FIRST FLOOR RESTROOMS	JANITORS CLOSET
MODEL	GB-095-D	SP-B50-QD
REGISTER SIZE	-	12"X14"
CFM	500	50
BHP	.12	.5
HP	.125	38 W (~0.5 HP)
RPM	1,550	625
SP (IN H ₂ O)	0.5"	0.4"
VOLTS/Ø/Hz	115/1/60	115/1/60
INTERLOCK	-	-
NOTES:		
1. FANS BASED ON GREENHECK.		
2. ALL MOTORS SHALL BE PREMIUM EFFICIENCY		
3. FURNISH MOTOR STARTERS AND DISCONNECT SWITCHES FOR EACH FAN		
4. FURNISH MOTOR AND BELT GUARD FOR ALL EXTERNAL MOTOR DRIVES		
5. FURNISH RUBBER IN SHEAR OR SPRING VIBRATION ISOLATORS AS PER THE SPECIFICATION		
6. JFURNISH 12" HIGH ROOF CURB WITH BACK DRAFT DAMPER FOR ALL ROOF MOUNTED FANS		
7. ALL OUTDOOR FANS SHALL BE FURNISHED WITH UNIT MOUNTED WEATHER PROOF DISCONNECT SWITCH		
8. PROVIDE MOTOR RATED TOGGLE SWITCH FOR EF-1.		

SUPPLY AND EXHAUST REGISTERS SCHEDULE						
DESIGNATION	SR-A		ER-A		ER-B	
MODEL	272FS		PAR		3 FL	
MAX CORE VEL (FT/MIN)	550		500		500	
MAX NC	25		25		25	
CONSTRUCTION	ALUMINUM		STEEL		ALUMINUM	
FRAME	SURFACE MOUNTED		MATCH CEILING		SURFACE MOUNTED	
DEFLECTION	DOUBLE		4 WAY		45° FIXED	
SPACING	$\frac{3}{4}$ "		-		$\frac{3}{4}$ "	
	CFM RANGE	NOMINAL NECK SIZE	CFM RANGE	NOMINAL NECK SIZE	CFM RANGE	NOMINAL NECK SIZE
	0-200	8x8	0-200	8x8	0-150	8x8
	201-300	10x10			151-250	10x10
	301-500	12x12			251-350	12x12
NOTES:						
1. CEILING SUPPLY DIFFUSERS ARE BASED ON TITUS.						
2. COORDINATE COLOR SELECTION AND BORDER TYPE WITH ARCHITECT.						
3. SUPPLY DIFFUSERS SHALL HAVE FRAMES AND BORDERS SUITABLE FOR THE CONSTRUCTION IN WHICH THEY WILL BE INSTALLED, CONTRACTOR TO COORDINATE.						
4. ALL LAY-IN DIFFUSERS SHALL HAVE A MODULE SIZE OF 24x24. FACE SIZES SHOWN IN SCHEDULE ARE FOR SURFACE MOUNT DIFFUSERS. NECK SIZES VARY ACCORDING TO THE SCHEDULE.						
5. DIFFUSER BLOW PATTERN IS AS SHOWN ON DRAWINGS.						

RADIANT HEATING PANEL SCHEDULE					
DESIGNATION	RHP-A	RHP-B	RHP-C	RHP-D	RHP-E
PERFORMANCE DATA:					
ROOM AIR ("F) DB	70	70	70	70	70
OUTPUT (BTU/HR/LF)	413	413	413	413	413
LENGTH (LF)	6	6	18	10	10
MEAN TEMP ("F)	170	170	170	170	170
WATER GPM	0.2	0.2	0.7	0.4	0.4
WP.D. (FT H ₂ O) / 100 F.T.	0.5	0.5	2	2	2
CONSTRUCTION DATA:					
TUBE MATERIAL	COPPER	COPPER	COPPER	COPPER	COPPER
TUBE DIAM (IN.)	$\frac{5}{8}$ " O.D.	$\frac{5}{8}$ " O.D.	$\frac{5}{8}$ " O.D.	$\frac{5}{8}$ " O.D.	$\frac{5}{8}$ " O.D.
PANEL MATERIAL	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM	ALUMINUM
PANEL WIDTH (IN.)	24	24	24	24	24
NUMBER OF PASSES	4	4	5	4	4
PANEL MOUNT TYPE	FLUSH MOUNT	FLUSH MOUNT	FLUSH MOUNT	FLUSH MOUNT	FLUSH MOUNT
NOTES:					
1. RADIANT HEAT PANEL BASED ON STERLING.					
2. FURNISH ALL REQUIRED PANEL JOINT CLIPS, SUSPENSION CLIPS, SUPPORT CHANNELS.					
3. FINISH SHALL BE APPROVED BY ARCHITECT.					
4. COORDINATE ALL MOUNTING HEIGHTS WITH FIELD CONDITIONS.					
5. CONTRACTOR TO PROVIDE 1" FOIL BACKED BATT INSULATION OVER RADIANT PANEL.					
6. LOCATION AND LAYOUT AS SHOWN ON PIPING DRAWINGS.					

RESTROOM VENTILATION SCHEDULE														
ROOM NAME/ ROOM NUMBER	AREA (ft ²)	NYC BC TABLE 1004.1.1		# OF OCCU. PER P.O.R.	NYS MCC TABLE 403.3				OA CALC PER NYS MC 403.3	EXH. CALC. PER NYC MC 403.5	DESIGN VALUES			
	(Az)	SPACE FUNCTION	SQ. FT. PER OCCUPANCY	(Pz)	OCCUPANCY CLASS	# OFF OCCU.	BREATHING ZONE OA/PERSON (Rp)	BREATHING ZONE OA/FT ² (Ra)	EXHAUST RATE CFM/FT ²	BREATHING ZONE OA FLOW CFM (Vbz = RpPz + RaAz)	ZONE EXHAUST CFM	SUPPLY AIR CFM	OUTSIDE AIR CFM	EXHAUST AIR CFM
2 RESTROOM LOBBY	238	Corridors	-	0	Corridors	0	0	0.06		14.28		350	15	
2A FAMILY RESTROOM	91	Toilet	1 Fixture	0	Toilet	0	0			0	50	50		50
2B JANITOR CLOSET	23	Storage	-	0	Storage	0	0		1.00	0	23			25
2C FAMILY RESTROOM	73	Toilet	1 Fixture	0	Toilet	0	0			0	50	50		50
3 WOMEN'S RESTROOM	226	Toilet	4 Fixtures	0	Toilet	0	0			0	200			200
4 MEN'S RESTROOM	228	Toilet	4 Fixtures	0	Toilet	0	0			0	200			200



2	04/25/2023	ISSUED FOR NYSED SUBMISSION
1	03/22/2023	ISSUED FOR PROGRESS
ISSUE NO.	ISSUE DATE	DESCRIPTION

AREA OF WORK



PROJECT
NORTH
KEY PLAN



PEARL RIVER PUBLIC LIBRARY RESTROOM RENOVATION

MECHANICAL EQUIPMENT SCHEDULES

PROJECT NO.: 2578-01 SCALE: AS NOTED

DRAWING NO.:

M-601





OLA Consulting Engineers
50 Broadway,
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AREA OF WORK
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NORTH
KEY PLAN

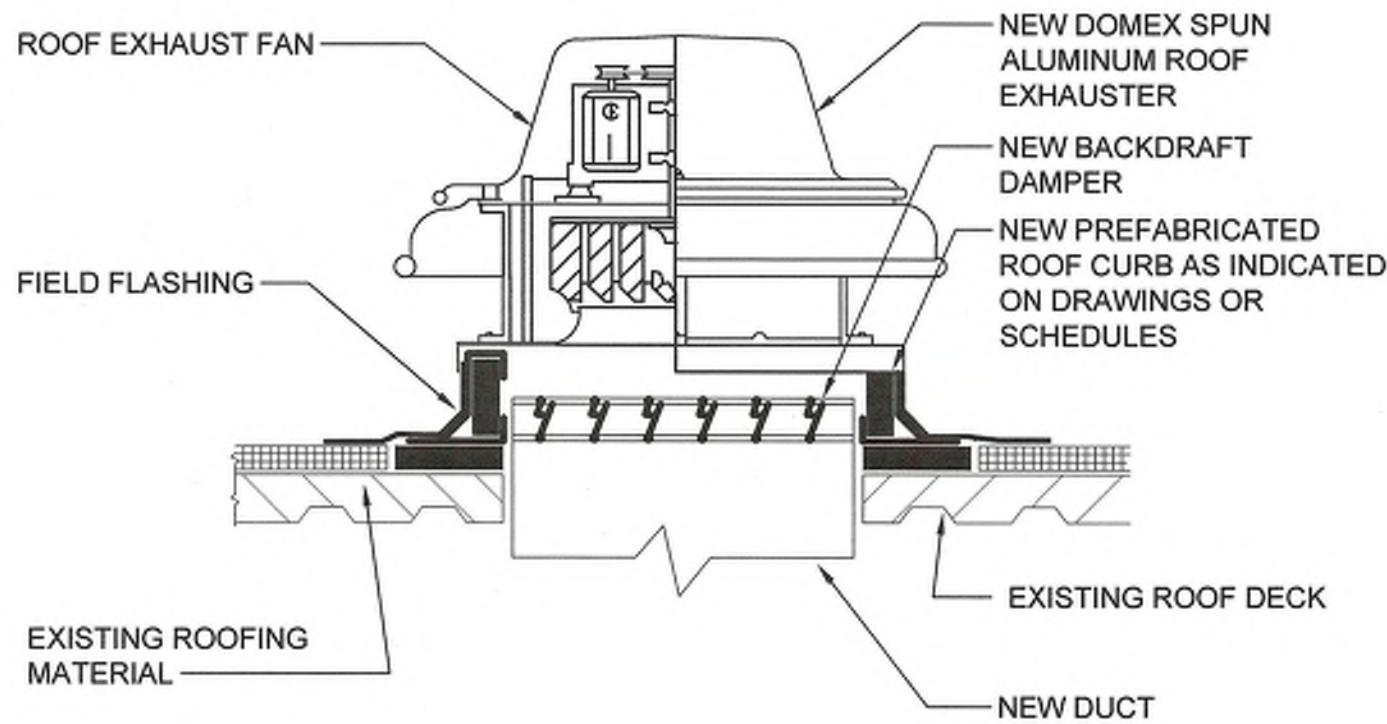
PEARL RIVER PUBLIC LIBRARY RESTROOM RENOVATION

MECHANICAL DETAILS

PROJECT NO.: 2578-01 SCALE: AS NOTED

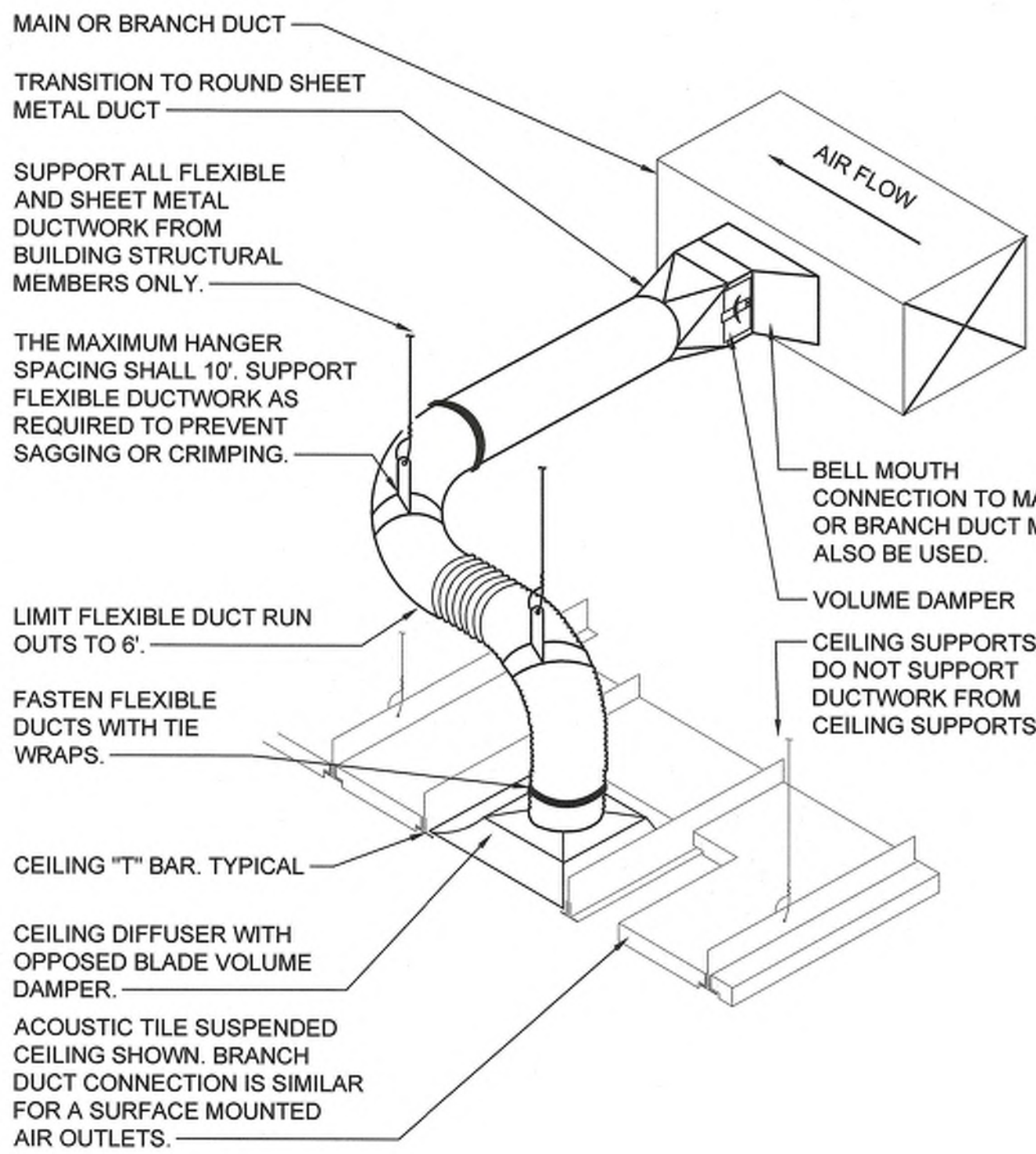
DRAWING NO.:

M-701



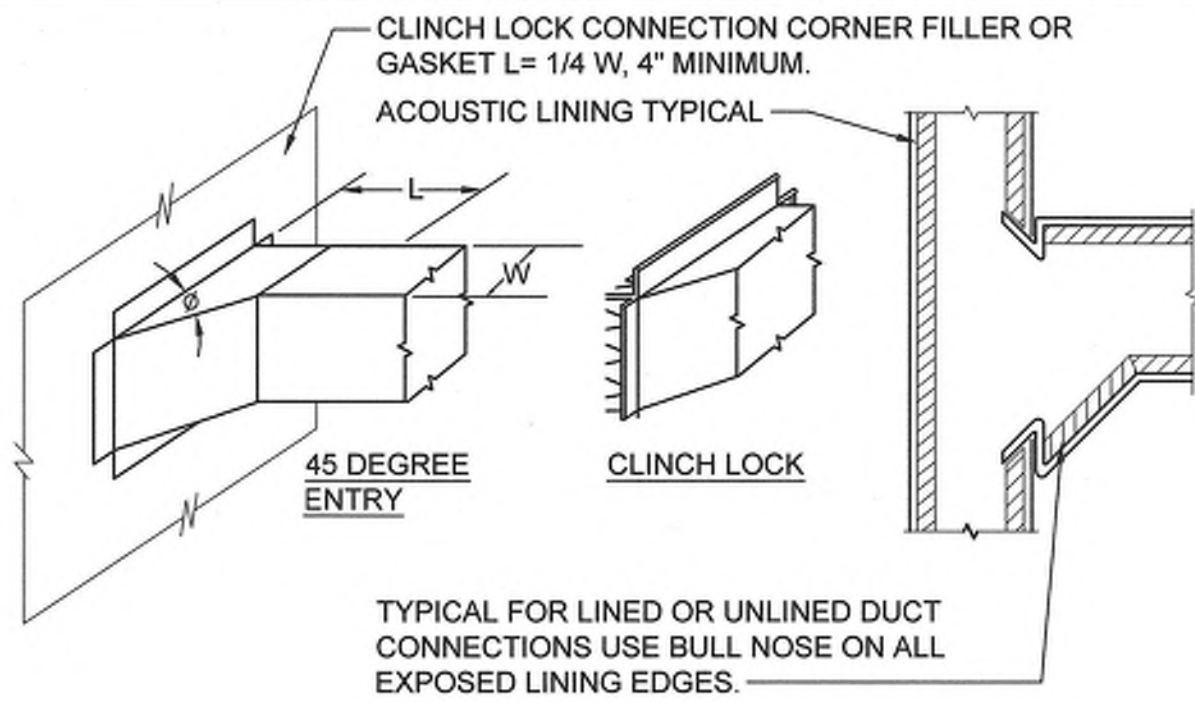
- NOTES:
1. ARRANGEMENT IS SIMILAR FOR UP BLAST TYPE FAN AND LINEAR FANS.
 2. SEE ARCH. DRAWINGS FOR FLASHING AND COUNTER FLASHING DETAILS

1 ROOF TOP EXHAUST FAN DETAIL
SCALE: NONE

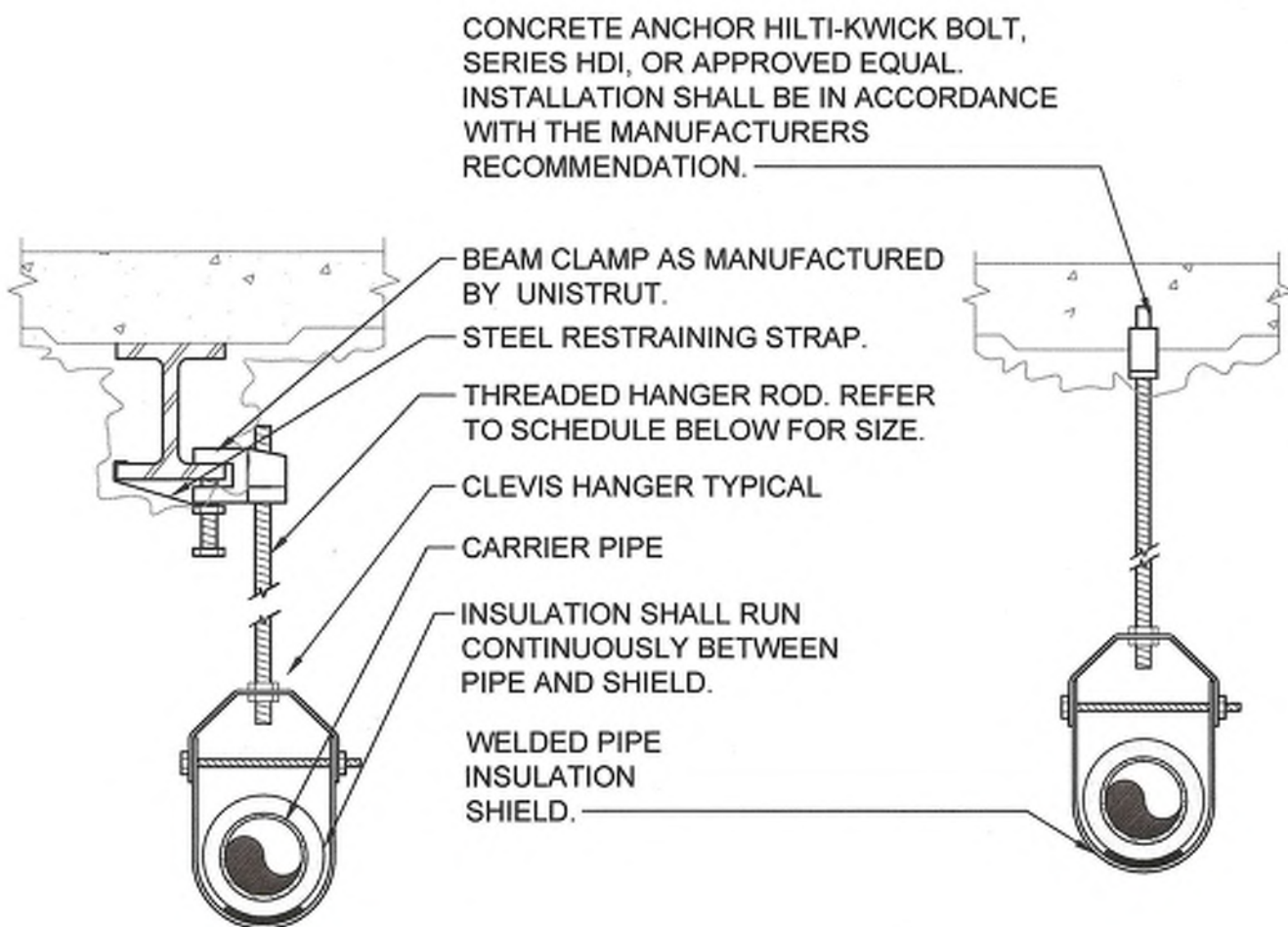


- NOTES:
1. THIS BRANCH DUCT ARRANGEMENT IS SIMILAR FOR PLENUM SLOT DIFFUSERS.

2 FLEXIBLE DUCT CONNECTION DETAIL
SCALE: NONE



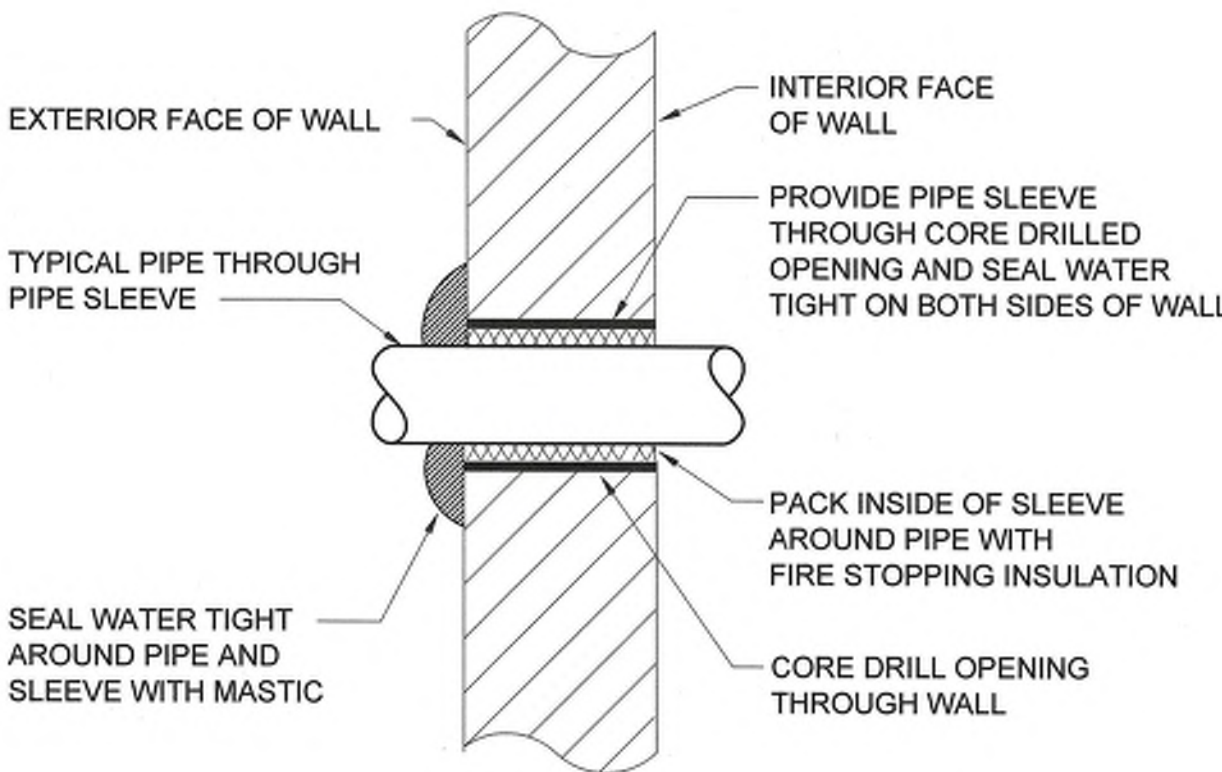
3 DUCT BRANCH CONNECTION DETAIL
SCALE: NONE



PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

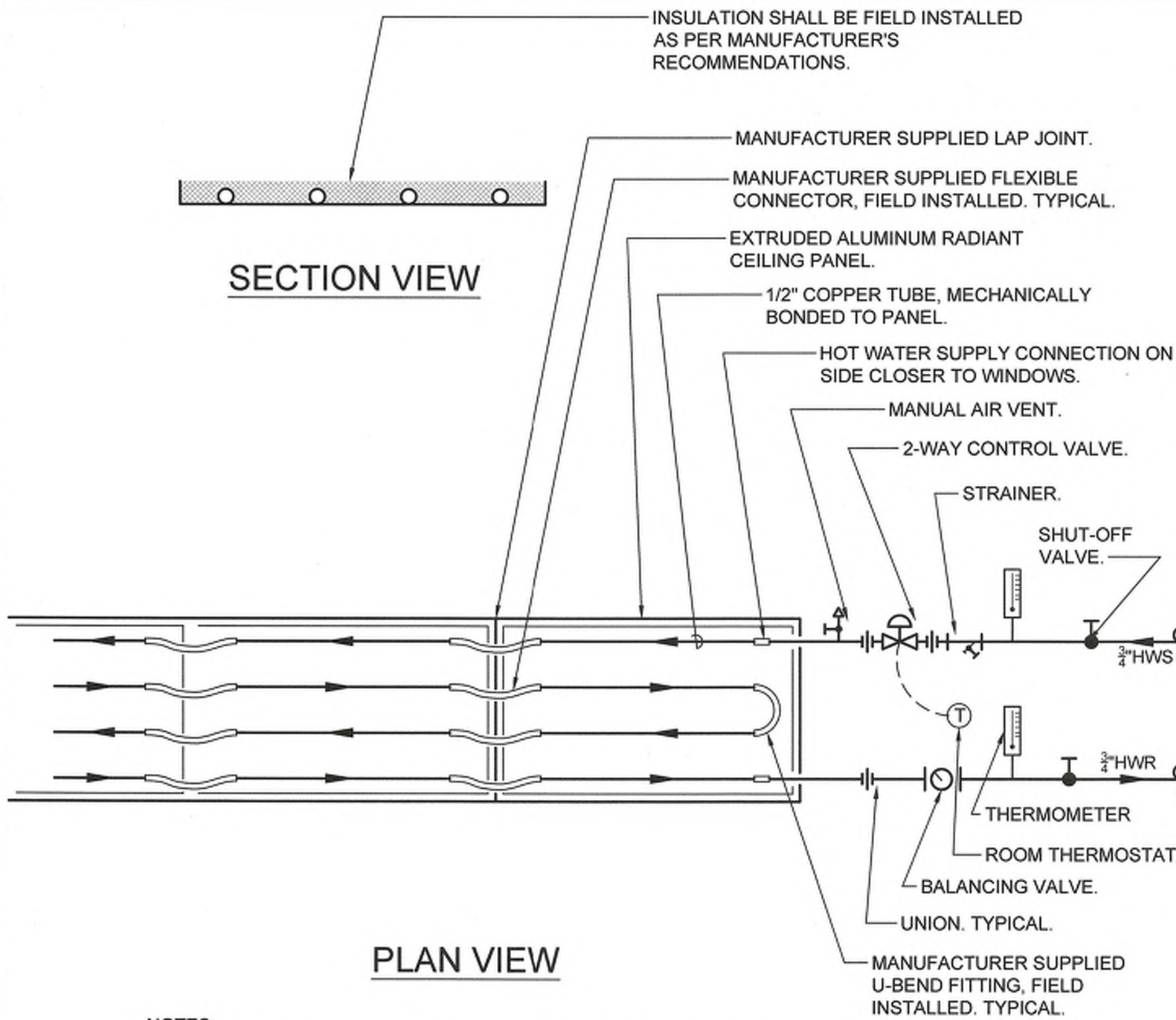
- NOTES:
1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
 2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
 3. FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
 4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
 5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
 6. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.
 7. ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD AND APPEALS, (BSA) APPROVAL.

4 PIPE HANGER DETAIL
SCALE: NONE



- NOTES:
- 1.) FOR PIPE SIZES THROUGH 1 1/2", PROVIDE SEPARATE SLEEVE FOR EACH PIPE. FOR PIPE SIZES UNDER 1 1/2", MULTIPLE PIPES MAY PENETRATE WALL THROUGH A COMMON SLEEVE - SEAL SPACE BETWEEN MULTIPLE PIPES WATER TIGHT WITH MASTIC AND PACK SPACE BETWEEN PIPES WITH FIRE STOPPING INSULATION.
 - 2.) PIPE INSULATION AND VAPOR BARRIER TO BE CONTINUOUS THROUGH ENTIRE PENETRATION.
 - 3.) SLEEVE AROUND PIPE INSULATION MUST BE SEALED WATER TIGHT TO EXTERIOR WALL SURFACE

5 PIPE PENETRATION DETAIL
SCALE: NONE



- NOTES:
- 1.) LENGTHS OF INDIVIDUAL PANEL MODULES SHALL NOT EXCEED 15'-0". WHERE LONGER PANELS ARE INDICATED ON THE PLANS, USE MULTIPLE MODULES CONNECTED TOGETHER IN SERIES WITH MANUFACTURER SUPPLIED INTERCONNECT FITTINGS, U-BENDS, AND LAP JOINTS AT THE SEAMS.
 - 2.) BALANCE EACH ASSEMBLY FOR PER DESIGN SCHEDULE.
 - 3.) HANG FROM BUILDING STRUCTURE.

6 RADIANT CEILING PANEL SCHEMATIC
SCALE: NONE



SYMBOLS AND ABBREVIATIONS										
SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION	SYMBOL	ABBREVIATION	DESCRIPTION		
	-	CONDUIT AND WIRING		MM	FIRE ALARM MONITORING MODULE		IMC	INTERMEDIATE METAL CONDUIT		
	-	CONDUIT & WIRING TO BE REMOVED UON		-	PUSHBUTTON		KVA	KILO-VOLT-AMPERE		
	-	BURIED CONDUIT		-	ELECTRIC HAND DRYER		KW	KILO-WATT		
	-	OVERHEAD CONDUCTORS		CB	CIRCUIT BREAKER		MAX	MAXIMUM		
	-	HOMERUN TO PANEL, ARROWS INDICATE # 1P		-	ENCLOSED CIRCUIT BREAKER		MCB	MAIN CIRCUIT BREAKER		
	-	MULTI-POLE HOMERUN		-	FUSED SWITCH		MIN	MINIMUM		
	-	ELECTRICAL EQUIPMENT AS INDICATED		GND	GROUND AS PER LOCAL CODE		MLO	MAIN LUG ONLY		
	-	ELECTRICAL EQUIPMENT TO BE REMOVED UON		-	GROUND BAR		NIC	NOT IN CONTRACT		
	-	ELECTRIC METER		-	GROUND ROD		NL	NIGHT LIGHT		
	-	JUNCTION BOX		-	TRANSFER SWITCH		NTS	NOT TO SCALE		
	-	FUSED DISCONNECT SWITCH		XFMR	TRANSFORMER		P	POLE		
	-	UNFUSED DISCONNECT SWITCH		CT	CURRENT TRANSFORMER		TYP	TYPICAL		
	-	COMBINATION MOTOR STARTER/FUSED DISC.		-	UTILITY POLE		UON	UNLESS OTHERWISE NOTED		
	-	MOTOR STARTER		-	SURFACE MOUNTED RACEWAY, DEVICES AS INDICATED		V	VOLT(S)		
	-	MOTOR					VIF	VERIFY IN FIELD		
	-	EXIT LIGHT, FACES-SHADED, CHEVRON-ARROW		NC	NORMALLY CLOSED CONTACTS		WP	WEATHERPROOF		
	-	MOTOR RATED TOGGLE SWITCH		NO	NORMALLY OPEN CONTACTS		DEFINITION OF TERMS			
	-	WALL MOUNTED LOW VOLTAGE SWITCH - ACUITY BRANDS, NPDDMA-WH.		CV	CONTROL VALVE					1. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "CLIENT" IS USED, IT MUST BE UNDERSTOOD THAT "PEARL RIVER PUBLIC LIBRARY" IS INTENDED.
	-	WALL MOUNTED OCCUPANCY SENSOR SWITCH BY ACUITY BRANDS, WSX PDT		-	LEAK DETECTOR					2. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ARCHITECT" IS USED, IT MUST BE UNDERSTOOD THAT "LOTHROP ASSOCIATES ARCHITECT D.P.C." IS INTENDED.
	-	CEILING MOUNTED OCCUPANCY SENSOR, nLIGHT BY ACUITY BRANDS, nCM PDT		MD	MOTORIZED DAMPER					3. WHEREVER IN THE CONTRACT DOCUMENTS THE WORD "ENGINEER" IS USED, IT MUST BE UNDERSTOOD THAT "OLA CONSULTING ENGINEERS" IS INTENDED.
	-	DATA OUTLET (x - INDICATES # OF JACKS, 1 JACK UON)		UH	UNIT HEATER					4. WHEREVER IN THE CONTRACT DOCUMENTS THE WORDS "FIRE ALARM SYSTEM" OR "FIRE ALARM VENDOR" ARE USED, IT MUST BE UNDERSTOOD THAT "SAFENET SECURITY" IS INTENDED.
	-	DUPLEX RECEPTACLE		VAV	VARIABLE AIR VOLUME BOX					5. "WORK" MUST BE DEEMED TO CONSIST OF ALL LABOR AND OPERATIONS, TRANSPORTATION, HOISTING, MATERIALS, TOOLS, EQUIPMENT, SERVICES, INSPECTIONS, INVESTIGATIONS, COORDINATION AND SUPERVISION REQUIRED AND / OR REASONABLY NECESSARY TO PRODUCE THE CONSTRUCTION REQUIRED BY THE CONTRACT DOCUMENTS.
	-	DOUBLE DUPLEX RECEPTACLE		A	AMPERE(S)					6. "FURNISH" MEANS THE DESIGN, FABRICATION, PURCHASE AND DELIVERY TO THE JOB SITE.
	-	SPECIAL RECEPTACLE		ACC	AIR CONDITIONER CONDENSER					7. "INSTALL OR INSTALLATION" MEANS THE ACT OF PHYSICALLY PLACING, APPLYING, SETTING, ERECTING, ANCHORING, SECURING, ETC., CONSTRUCTION MATERIALS, EQUIPMENT, FURNISHINGS, APPLIANCES, AND SIMILAR ITEMS SPECIFIED AND FURNISHED AT THE JOB SITE. INSTALLATION OF SPECIFIED ITEMS MUST BE COMPLETE IN ALL RESPECTS.
	-	FIRE ALARM MANUAL PULL STATION		AFF	ABOVE FINISHED FLOOR					8. "PROVIDE" MEANS TO FURNISH AND INSTALL CONSTRUCTION MATERIAL, EQUIPMENT, ETC. AS DEFINED ABOVE.
	-	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (15/75 CD - STROBE)		AF	AMPERAGE OF FUSE					9. THE FOLLOWING ARE DEFINITIONS OF SHOP DRAWING STAMP ACTIONS:
	-	FIRE ALARM COMBINATION AUDIO/VISUAL DEVICE (110 CD - STROBE)		AGL	ABOVE GRADE LEVEL		A. "NO EXCEPTIONS TAKEN" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY COMMENCE.			
	-	FIRE ALARM STROBE 15/75 CD		AHU	AIR HANDLING UNIT		B. "MAKE CORRECTIONS NOTED" MEANS THAT THE SHOP DRAWING IS CORRECT AS TO PERFORMANCE, CAPACITY, ETC. AND SUBSTANTIAL CONFORMANCE TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS, SUBJECT TO AND IN COMPLIANCE WITH THE ANNOTATIONS AND/OR CORRECTIONS INDICATED ON THE SHOP DRAWING. FABRICATION AND/OR PURCHASE MAY COMMENCE.			
	-	FIRE ALARM STROBE 110 CD		AL	ALUMINIUM		C. "AMEND AND RESUBMIT" MEANS THAT THE COMMENTS AND/OR CORRECTION ARE SO EXTENSIVE AND IMPORTANT THAT THE REVIEWER WANTS TO SEE HOW THE COMMENTS AND/OR CORRECTIONS ARE RESOLVED PRIOR TO RELEASE FOR FABRICATION AND/OR PURCHASE. FABRICATIONS AND/OR PURCHASE MAY NOT COMMENCE.			
	-	CARBON MONOXIDE DETECTOR WITH SOUNDER BASE		ARC	ARC FAULT INTERRUPTER		D. "REJECTED" MEANS THAT THE SHOP DRAWING DOES NOT COMPLY OR CONFORM TO THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS. FABRICATION AND/OR PURCHASE MAY NOT COMMENCE.			
	-	SMOKE DETECTOR. EL - ELEVATOR LOBBY; SH - SMOKE HATCH; SC - PLENUM RATED ABOVE CEILING		AS	AMPERAGE OF SWITCH					
	SB	FIRE ALARM DEVICE. SB - SOUNDER BASE FOR SMOKE OR CARBON MONOXIDE DETECTOR		AWG	AMERICAN WIRE GAUGE					
	-	FIRE ALARM TAMPER SWITCH		BCW	BARE COPPER WIRE					
	-	FIRE ALARM WATER FLOW SWITCH		BLDG	BUILDING					
	-	FIRE WATER TANK LOW TEMP SENSOR		C	CONDUIT					
	-	FIRE WATER TANK LOW WATER		CD	CANDELA					
	-	FIRE WATER TANK HIGH WATER		CKT	CIRCUIT					
	-	DRY VALVE LOW AIR		CLG	CEILING					
	-	DRY VALVE HIGH AIR		CU	COPPER					
	-	FIRE ALARM WARDEN STATION		DEM.	DEMOLISH AND REMOVE					
	-	FIRE ALARM ANNUNCIATOR PANEL		DISC	DISCONNECT					
	CM	FIRE ALARM CONTROL MODULE		DIM	DIMMER					
	FACP	FIRE ALARM CONTROL PANEL		DWG	DRAWING					
	EOL	END OF LINE RESISTOR		EMT	ELECTRICAL METALLIC TUBING					
				EM	EMERGENCY					
				EX.	EXISTING TO REMAIN					
				F	FLOOR					
				FBO	FURNISHED BY OTHERS					
				GFI	GROUND FAULT INTERRUPTER					
				HP	HORSEPOWER					
				HVAC	HEATING VENTILATION AIR CONDITIONING					
				IG	ISOLATED GROUND					

2

E3.2

PART PLAN NO.

SHEET NO.

GENERAL NOTES		
1.	ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).	
2.	THE DRAWINGS ARE TO BE CONSIDERED SCHEMATIC ONLY AND DO NOT NECESSARILY SHOW THE EXACT LOCATIONS AND DETAILS OF THE WORK TO BE INSTALLED.	
3.	THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND PAYING ALL FEES ASSOCIATED WITH THIS WORK INCLUDING FILING WITH THE UTILITY COMPANY (AS REQUIRED), AND WITH LOCAL AUTHORITY HAVING JURISDICTION.	
4.	ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO HIRE A THIRD PARTY ELECTRICAL INSPECTION AGENCY TO PROVIDE UL INSPECTIONS AND SUBMIT A CERTIFICATE OF INSPECTION PRIOR TO FINAL REQUEST FOR PAYMENT.	
5.	ALL CONDUCTORS SHALL BE COPPER UON.	
6.	ELECTRONIC FILES OF THE MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DRAWINGS ARE AVAILABLE TO THE CONTRACTOR. THE ENGINEER MAY GRANT THE CONTRACTOR A LIMITED LICENSE TO MAKE A DERIVATIVE WORK OF THE DATABASE FOR THE PURPOSE OF SHOP DRAWINGS, SUBMITTALS AND AS-BUILT DRAWINGS. UPON REQUEST, THE ENGINEER SHALL PROVIDE A RELEASE FORM THAT MUST BE SIGNED AND RETURNED BY THE CONTRACTOR PRIOR TO RELEASE OF THE ELECTRONIC FILES.	
7.	CIRCUIT NUMBERS ARE FOR INFORMATION PURPOSES ONLY.	
8.	CORE DRILLING OR TRENCHING THROUGH AN EXISTING FLOOR SLAB, WHEN REQUIRED, SHALL BE COORDINATED WITH THE OWNER. FLOOR SLABS SHALL BE RADAR SCANNED PRIOR TO CORE DRILLING OR TRENCHING. ALL WORK, INCLUDING CORE DRILLING, RADAR SCAN, INSTALLATION OF FIRE STOPPING, & CONDUIT/CABLE INSTALLATION SHALL BE PERFORMED DURING NON-BUSINESS HOURS AND INCLUDED IN BASE BID. USE EXTREME CAUTION DURING ANY CUTTING OPERATION TO AVOID DAMAGE TO EXISTING EQUIPMENT/SYSTEMS. ANY ITEMS DAMAGED AS A RESULT OF CORE DRILLING SHALL BE REPAIRED AT NO COST TO THE CLIENT. ALL CORES SHALL BE FIRE SEALED.	
9.	FOR EACH WALL MOUNTED COMMUNICATIONS OUTLET, PROVIDE A 1900 JUNCTION BOX WITH AN EXTENDER COLLAR AND 1 INCH CONDUIT WITH DRAGLINE 6 INCHES ABOVE ACCESSIBLE CEILING FOR INSTALLATION OF CABLE BY OTHERS.	
10.	COMMUNICATION WIRING BY OTHERS. COORDINATE COMMUNICATION JACKS WITH REPRESENTATIVE, TYPICAL.	
11.	WHERE GFI RECEPTACLES ARE CIRCUITED WITH GENERAL CONVENIENCE RECEPTACLES, THE GFI RECEPTACLE SHALL BE THE LAST DEVICE ON THE CIRCUIT.	
12.	INSTALL CONDUIT EXPANSION FITTINGS AT ALL LOCATIONS WHERE CONDUITS CROSS BUILDING OR STRUCTURE EXPANSION JOINTS.	
13.	UNLESS OTHERWISE NOTED, DISCONNECT SWITCHES, STARTERS, HOAS AND MOTOR RATED TOGGLE SWITCHES FOR MECHANICAL PUMPS, CABINET AND UNIT HEATERS, RETURN FANS, ROOF FANS, VAV BOXES, COMPRESSORS, FAN COIL UNITS, AIR HANDLERS AND CONDENSERS SHALL BE FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. COORDINATE ALL WORK WITH THE MECHANICAL CONTRACTOR.	
14.	DISCONNECT SWITCHES FOR MOTORIZED DAMPERS, CFSD/SD AND VAV BOXES SUPPLIED BY MECHANICAL CONTRACTOR AND INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR. SWITCHES NOT SHOWN ON PLANS.	
15.	THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, PAINTING, AND FINAL RESTORATION REQUIRED TO FACILITATE THE DEMOLITION AND INSTALLATION OF ALL ELECTRICAL EQUIPMENT, INCLUDING BUT NOT LIMITED TO PANELBOARDS, CONDUITS, WIRING, DEVICES, FIXTURES, ETC. INCLUDING ABOVE CEILINGS. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH WALLS, AS REQUIRED TO EXECUTE THE ELECTRICAL WORK.	
DEMOLITION NOTES:		
1.	ALL EQUIPMENT SHALL BE DISCONNECTED, AND WIRING SHALL BE REMOVED BACK TO POWER SOURCE ORIGINATION UNLESS OTHERWISE NOTED (UON) EXISTING TO REMAIN (EX.).	
2.	CONTRACTOR SHALL VERIFY EXTENT OF DEMOLITION WORK IN THE FIELD PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS IN BASE BID INCLUDING ALL TEMPORARY CONNECTIONS, CONDUIT AND WIRE IN ORDER TO ACCOMMODATE CONSTRUCTION AND PROVIDE CONTINUOUS SERVICE TO DEVICES AND SYSTEMS TO REMAIN, TEMPORARY AND PERMANENTLY. WORK REQUIRING THE SHUT-DOWN OF THE BUILDING POWER SHALL BE PERFORMED DURING OVERTIME AND SHALL BE INCLUDED IN BASE BID.	
3.	CIRCUIT BREAKER, CONDUIT AND CONDUCTOR SIZES INDICATED SHALL BE FIELD VERIFIED PRIOR TO BID.	
4.	ALL EXISTING ELECTRICAL EQUIPMENT NO LONGER IN USE, SUCH AS DISCONNECT SWITCHES, MOTOR CONTROLLERS, MOTOR STARTER PANELS, ETC. SHALL BE REMOVED UON.	
5.	ALL DISCONNECTED & REMOVED EXISTING ELECTRICAL ITEMS THAT ARE NOT BEING REUSED SHALL BE RETURNED TO THE OWNER OR DISPOSED OF AS DIRECTED.	
6.	THE CONTRACTOR SHALL INCLUDE IN THE BASE BID FOR ALL MATERIAL & LABOR REQUIRED FOR THE EXTENSIONS, REROUTING & RELOCATION OF EXISTING SYSTEM COMPONENTS, EQUIPMENT, WIRING, CONDUITS & CABLING SO AS TO MAINTAIN OPERATION OF ALL SYSTEMS THROUGHOUT THE BUILDING DURING DEMOLITION & CONSTRUCTION PHASES.	

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2	04/25/2023	ISSUED FOR NYSED SUBMISSION
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ISSUE NO.	ISSUE DATE	DESCRIPTION

AREA OF WORK

PROJECT NORTH
KEY PLAN

PEARL RIVER
PUBLIC LIBRARY
RESTROOM
RENOVATION

ELECTRICAL SYMBOLS,
ABBREVIATIONS AND NOTES

PROJECT NO.:	2578-01	SCALE:	AS NOTED
DRAWING NO.:	E-001		



2

SCALE: 1/32" = 1'-0"

1. DEMOLISH ALL EXISTING LIGHT FIXTURES AND ASSOCIATED WIRING AND CONTROLS THROUGHOUT THE AREA OF WORK.
2. DEMOLISH ALL EXISTING RECEPTACLES AND ASSOCIATED WIRING THROUGHOUT THE SPACE.
3. DEMOLISH ALL CONDUIT, WIRING AND ELECTRICAL DEVICES SERVING MECHANICAL AND PLUMBING EQUIPMENT UNLESS OTHERWISE NOTED.
4. DEMOLISH ALL FIRE ALARM DEVICES THROUGHOUT THE AREA OF WORK.
5. REFER TO DEMOLITION NOTES ON DWG E-001 FOR ADDITIONAL INFORMATION.



人

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

**333 Westchester Avenue
White Plains, New York 10604
914-741-1115**



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ISSUE NO	ISSUE DATE	DESCRIPTION
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PROJECT
NORTH

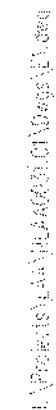
KEY PLAN

RESTROOM ELECTRICAL DEMO PLAN

DRAWING NO.:

E-101/





1. CONTROLS SHALL BE LOCAL AND CONSIST OF LOW VOLTAGE SWITCHES, CEILING MOUNTED OCCUPANCY SENSORS, POWER PACKS, AND WALL MOUNTED SENSOR SWITCHES, AS INDICATED. REFER TO E-001 AND TYPICAL WIRING DIAGRAM ON E-701 FOR ADDITIONAL INFORMATION. RESTROOMS, CORRIDOR AND LOBBY SHALL OPERATE IN OCCUPANCY MODE (AUTOMATIC ON/AUTOMATIC OFF, WITH MANUAL-OFF OVERRIDE) AND SHALL TIME-OUT AFTER 20 MINUTES OF VACANCY. JANITORS CLOSET SHALL OPERATE IN VACANCY MODE (MANUAL ON/AUTOMATIC OFF, WITH MANUAL-OFF OVERRIDE).
2. PROVIDE INTEGRAL EMERGENCY BATTERY PACKS FOR SELECT LIGHT FIXTURES THROUGHOUT THE SPACE FOR EMERGENCY LIGHTING. PROVIDE LED EXIT SIGNS WITH BATTERY BACKUP TO PROVIDE 90 MINUTES OF OPERATION.
3. CIRCUIT NUMBERS INDICATED ARE ARBITRARY AND ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS MAY VARY AND SHALL BE VERIFIED IN THE FIELD. USE CIRCUIT POSITIONS MADE AVAILABLE DURING DEMOLITION TO SERVE NEW LOADS AS INDICATED. PROVIDE UPDATED TYPE-WRITTEN PANEL DIRECTORIES PRIOR TO PROJECT COMPLETION.
4. CONNECT NEW FIRE ALARM DEVICES TO EXISTING SYSTEM. PROVIDE WIRING AND PROGRAMMING AS NEEDED.
5. PRIOR TO STARTING ANY WORK, A WORKING POINT-TO-POINT WIRING DIAGRAM SHALL BE OBTAINED FROM FIRE ALARM SYSTEM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
6. CARBON MONOXIDE DETECTORS SHALL BE SUPERVISED BY FIRE ALARM SYSTEM AND SHALL NOT SEND AN ALARM SIGNAL TO THE SYSTEM. THESE DETECTORS SHALL BE MOUNTED ON SOUNDER BASES WHICH PROVIDE LOCAL ALARM ONLY IN A TEMPORAL 4 PATTERN OR CONSTANT TONE.
7. ALL VISUAL ALARMS SHALL BE ADA COMPLIANT.
8. ELECTRICAL PANEL 'LPC SECTION 1' IS ABBREVIATED AS 'LPC1' FOR CLARITY.

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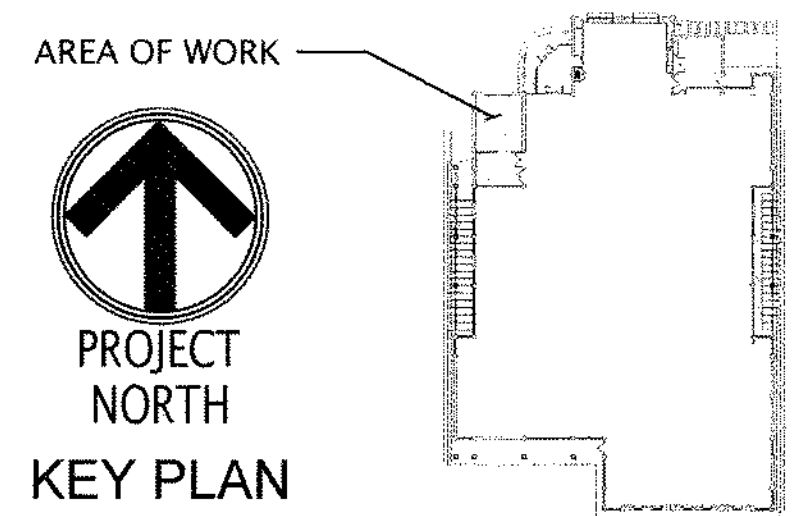
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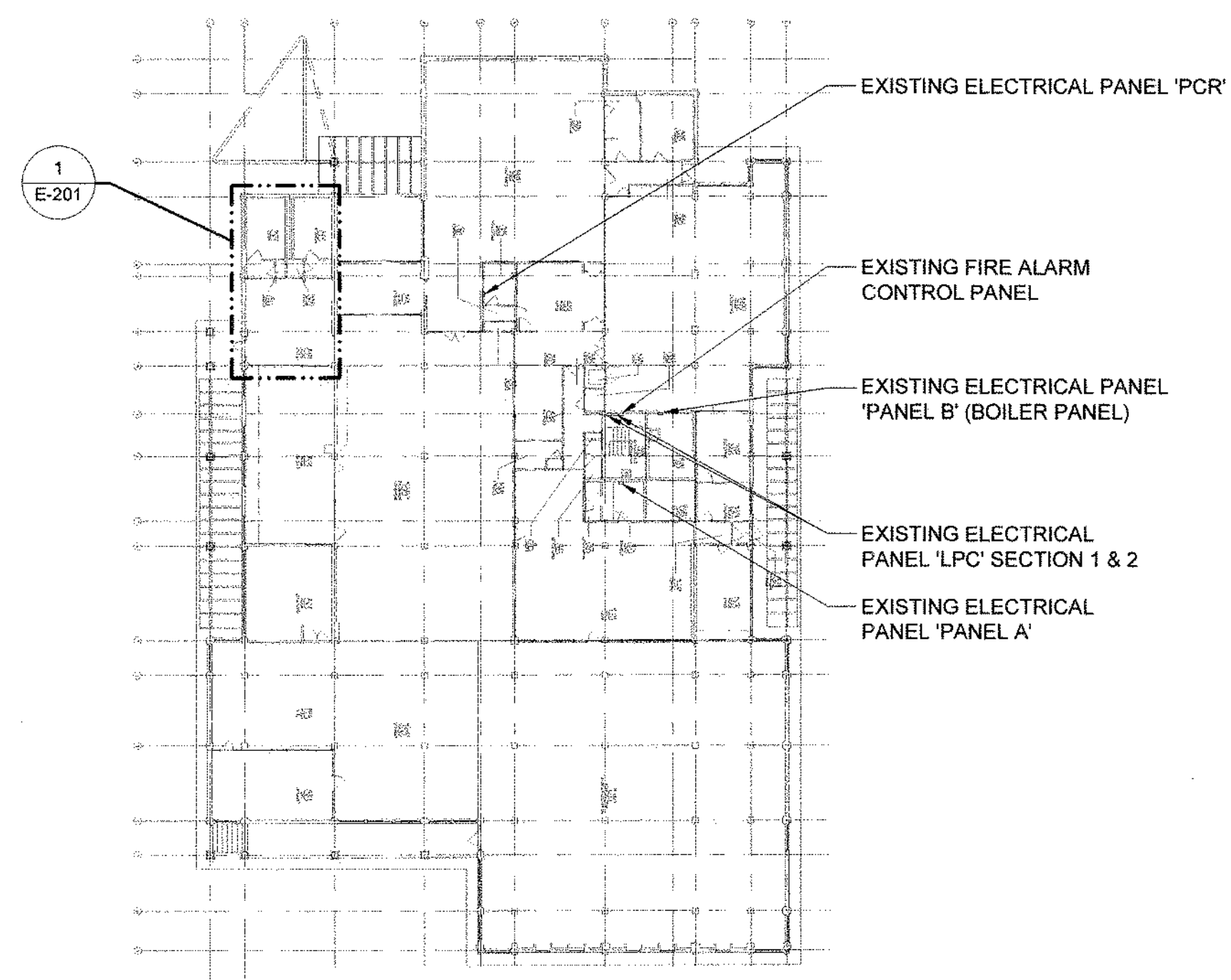
PEARL RIVER
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RESTROOM
RENOVATION

RESTROOM ELECTRICAL LIGHTING AND FIRE ALARM PLAN

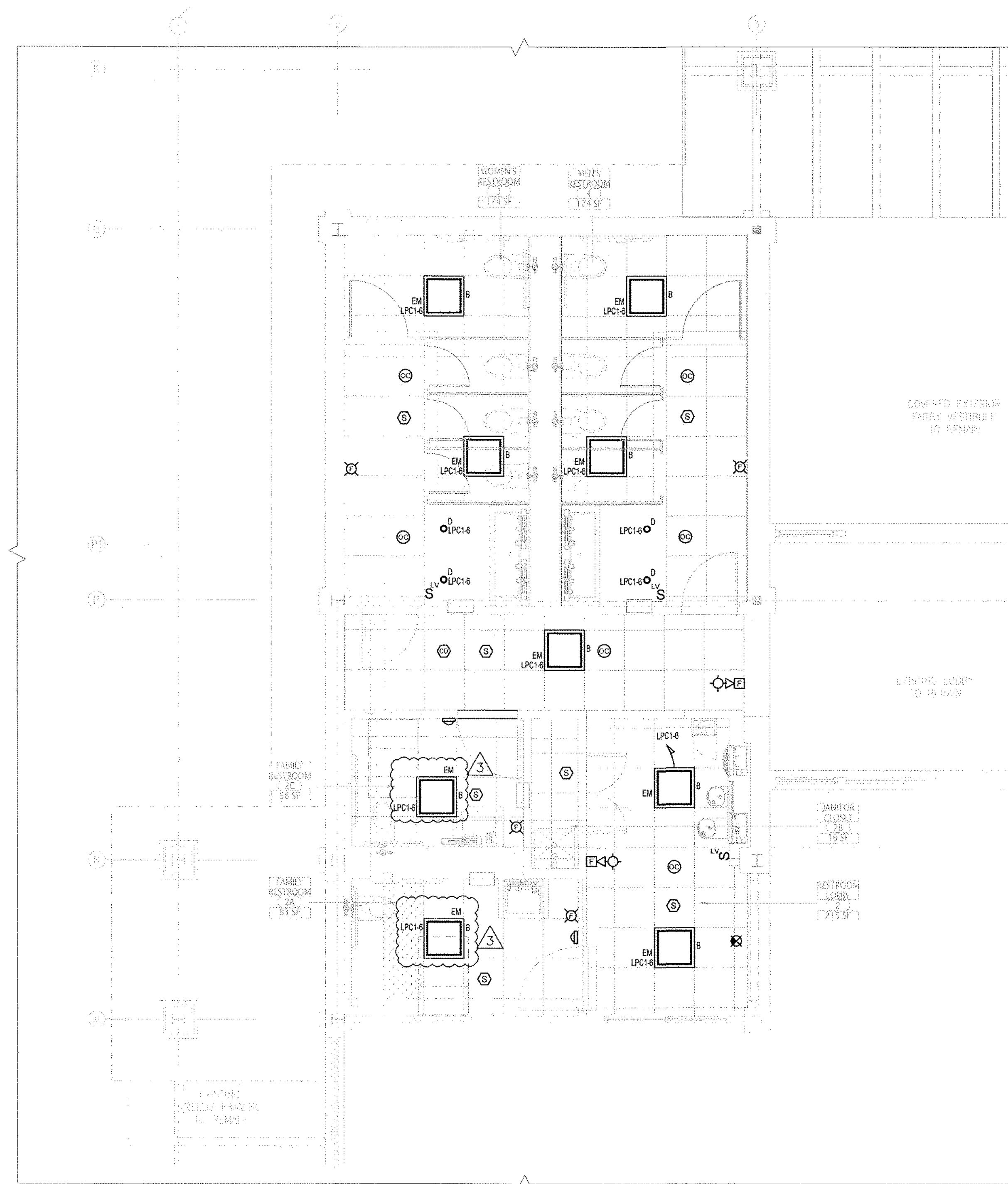
PROJECT NO.:	2578-01	SCALE:	AS NOTED
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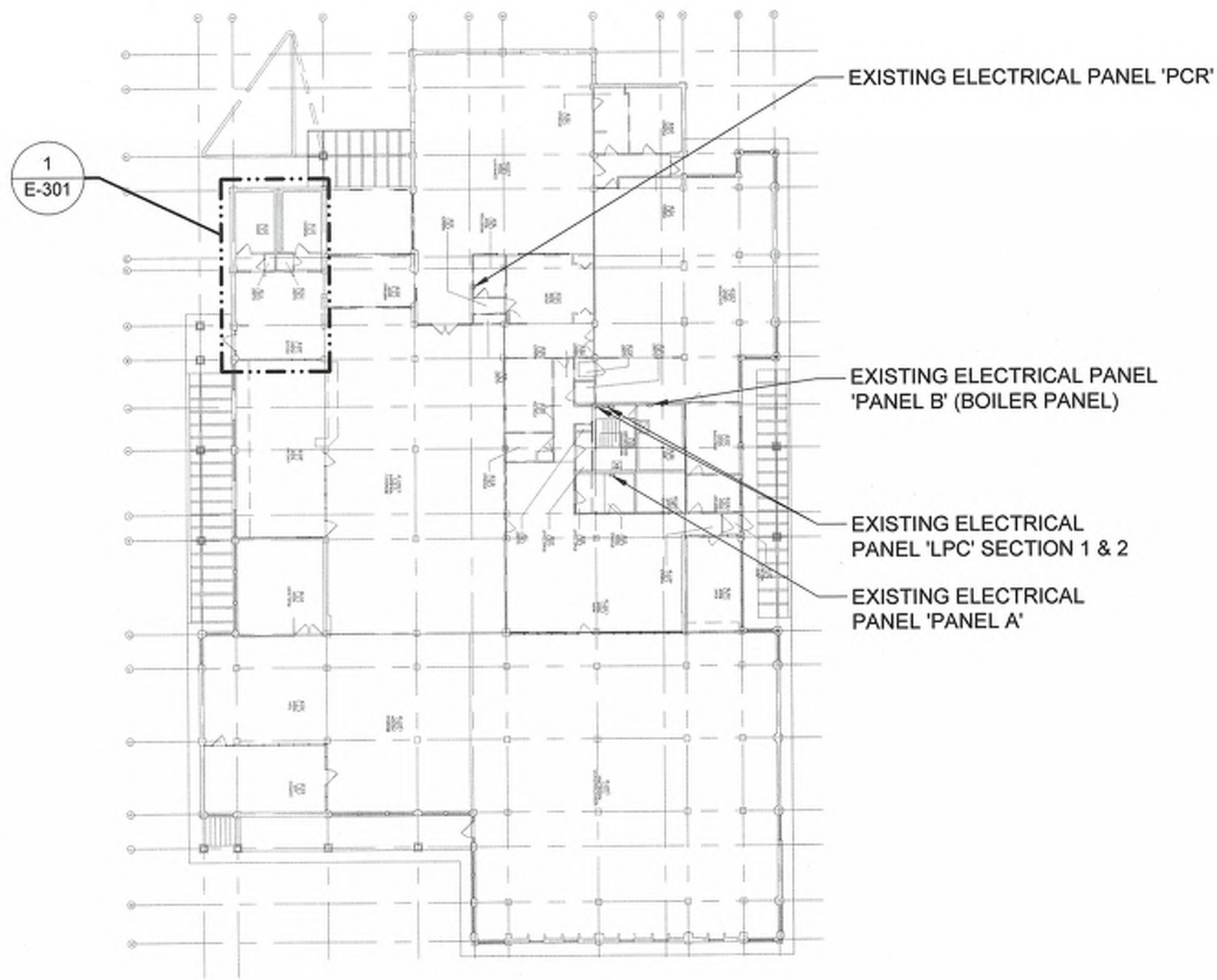
2 ELECTRICAL OVERALL FLOOR PLAN
SCALE: 1/32" = 1'-0"



1 RESTROOM ELECTRICAL LIGHTING AND FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"

one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot

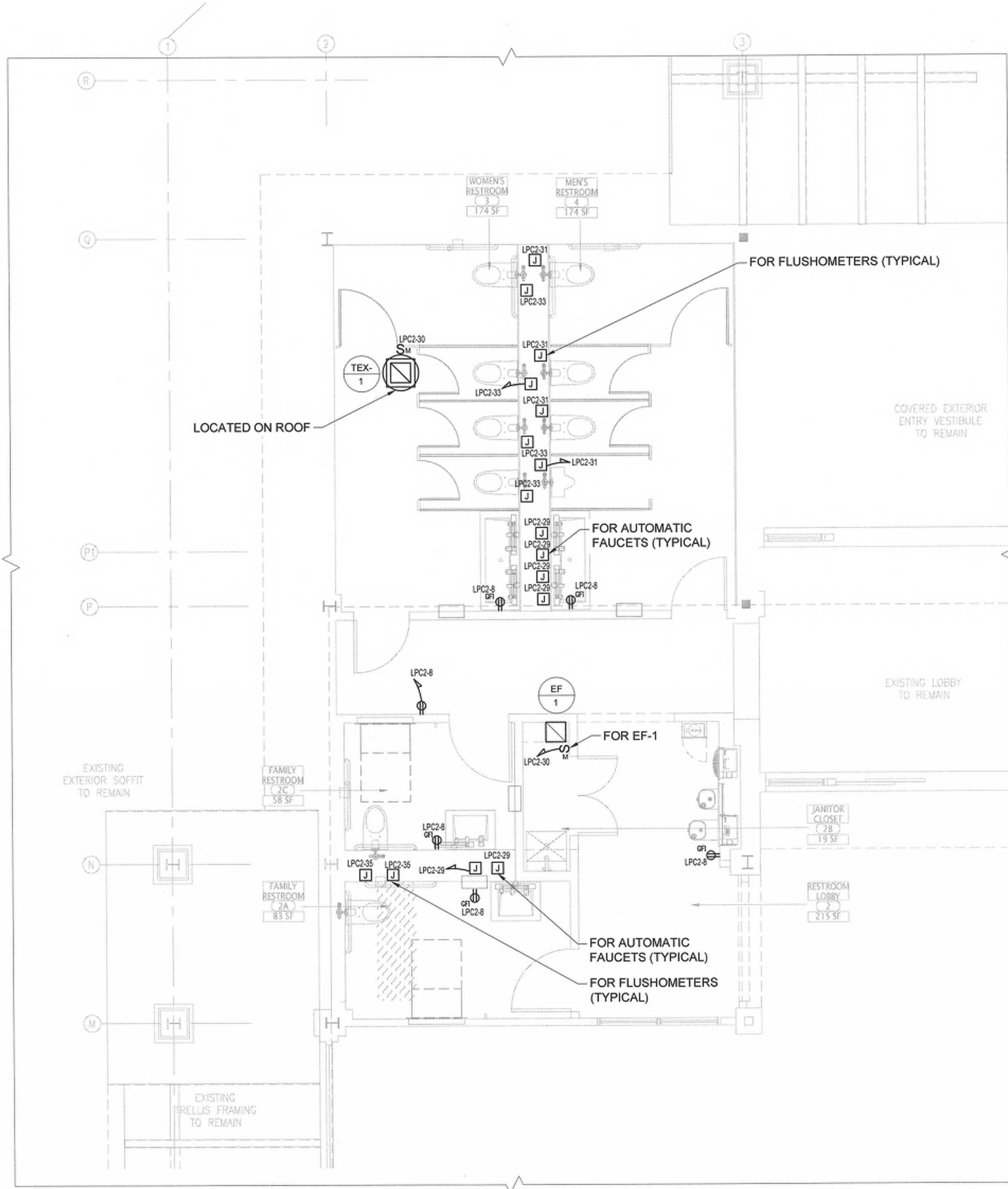
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2

ELECTRICAL OVERALL FLOOR PLAN

SCALE: 1/32" = 1'-0"



1

RESTROOM ELECTRICAL POWER PLAN

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

NOTES:

1. CIRCUIT NUMBERS INDICATED ARE ARBITRARY AND ARE FOR INFORMATION PURPOSES ONLY. ACTUAL CIRCUIT NUMBERS MAY VARY AND SHALL BE VERIFIED IN THE FIELD. USE CIRCUIT POSITIONS MADE AVAILABLE DURING DEMOLITION TO SERVE NEW LOADS AS INDICATED. PROVIDE UPDATED TYPE-WRITTEN PANEL DIRECTORIES PRIOR TO PROJECT COMPLETION.
2. ELECTRICAL PANEL 'LPC' SECTION 2' IS ABBREVIATED AS 'LPC2' FOR CLARITY.

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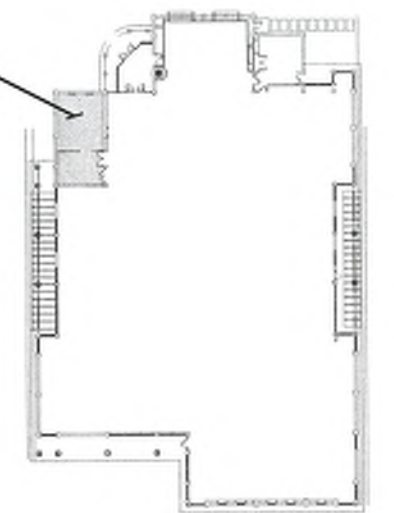
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2	04/25/2023	ISSUED FOR NYS ED SUBMISSION
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AREA OF WORK



PROJECT
NORTH

KEY PLAN



PEARL RIVER PUBLIC LIBRARY RESTROOM RENOVATION

RESTROOM ELECTRICAL POWER PLAN

PROJECT NO.: 2578-01 SCALE: AS NOTED

DRAWING NO.:

E-301



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EX. LPC (SEC. 1) PANEL SCHEDULE (NEW WORK)						
MAIN RATING: 225A						
VOLTAGE: 208Y/120V PHASE: 3 WIRE: 4						
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION
1	EXISTING LOAD	20	1	1	20	EXISTING LOAD
3	EXISTING LOAD	20	1	1	20	EXISTING LOAD
5	EXISTING LOAD	20	1	1	20	EXISTING LOAD
7	EXISTING LOAD	20	1	1	20	EXISTING LOAD
9	EXISTING LOAD	20	1	1	20	EXISTING LOAD
11	EXISTING LOAD	20	1	1	20	EXISTING LOAD
13	EXISTING LOAD	20	1	1	30	EXISTING LOAD
15	EXISTING LOAD	20	1	1	20	EXISTING LOAD
17	EXISTING LOAD	20	1	1	20	EXISTING LOAD
19	EXISTING LOAD	20	1	1	20	EXISTING LOAD
21	EXISTING LOAD	20	1	1	20	EXISTING LOAD
23	EXISTING LOAD	20	1	1	20	EXISTING LOAD
25	EXISTING LOAD	20	1	1	20	EXISTING LOAD
27	EXISTING LOAD	20	1	1	20	EXISTING LOAD
29	EXISTING LOAD	20	1	1	20	EXISTING LOAD
31	EXISTING LOAD	20	1	1	20	EXISTING LOAD
33	EXISTING LOAD	20	1	1	20	EXISTING LOAD
35	EXISTING LOAD	20	1	1	20	EXISTING LOAD
37	EXISTING LOAD	20	1	1	20	EXISTING LOAD
39	EXISTING LOAD	20	1	1	20	EXISTING LOAD
41	EXISTING LOAD	20	1	1	20	EXISTING LOAD
LOCATION: PROJECTION ROOM 34						
NOTES:						
1. ALL LOADS ARE NEW UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN. PROVIDE CIRCUIT BREAKERS AS INDICATED.						

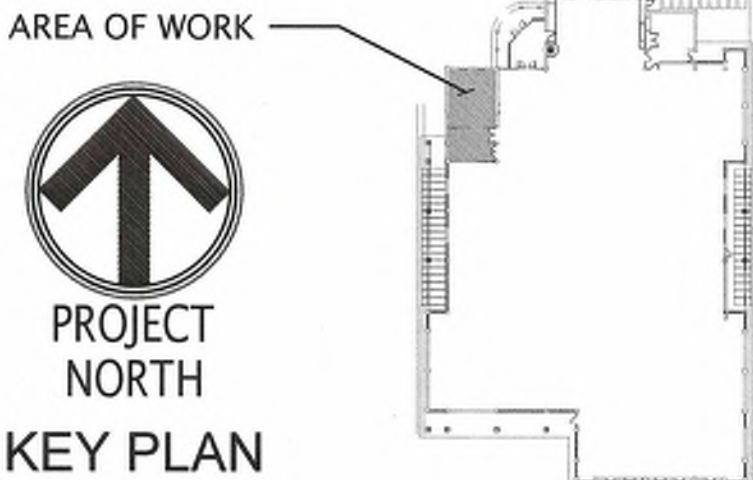
EX. LPC (SEC. 2) PANEL SCHEDULE (NEW WORK)						
MAIN RATING: 225A						
VOLTAGE: 208Y/120V PHASE: 3 WIRE: 4						
CIRC. NO.	LOAD DESCRIPTION	BKR. AMPS	NO. OF POLES	NO. OF POLES	BKR. AMPS	LOAD DESCRIPTION
1	EXISTING LOAD	20	1	1	20	EXISTING LOAD
3	EXISTING LOAD	20	1	1	20	EXISTING LOAD
5	EXISTING LOAD	20	1	1	20	EXISTING LOAD
7	EXISTING LOAD	20	1	1	20	EXISTING LOAD
9	EXISTING LOAD	20	1	1	20	EXISTING LOAD
11	EXISTING LOAD	20	1	1	20	EXISTING LOAD
13	EXISTING LOAD	20	1	1	30	EXISTING LOAD
15	EXISTING LOAD	20	1	1	20	EXISTING LOAD
17	EXISTING LOAD	20	1	1	20	EXISTING LOAD
19	EXISTING LOAD	20	1	1	20	EXISTING LOAD
21	EXISTING LOAD	20	1	1	20	EXISTING LOAD
23	EXISTING LOAD	20	1	1	20	EXISTING LOAD
25	EXISTING LOAD	20	1	1	20	EXISTING LOAD
27	EXISTING LOAD	20	1	1	20	EXISTING LOAD
29	AUTOMATIC FAUCETS	20	1	1	20	EF-1 AND TEX-1
31	FLUSHOMETERS	20	1	-	-	BLANK
33	FLUSHOMETERS	20	1	-	-	BLANK
35	FLUSHOMETERS	20	1	-	-	BLANK
37	BLANK	-	-	-	-	BLANK
39	BLANK	-	-	-	-	BLANK
41	BLANK	-	-	-	-	BLANK
LOCATION: PROJECTION ROOM 34						
NOTES:						
1. ALL LOADS ARE NEW UNLESS OTHERWISE NOTED AS EXISTING TO REMAIN. PROVIDE CIRCUIT BREAKERS AS INDICATED.						

INTERIOR LIGHTING FIXTURE SCHEDULE							
FIXTURE DESIGNATION	MANUFACTURER	CATALOG NUMBER	LAMPS	VOLTS	MOUNTING	INPUT POWER	REMARKS
ⓑ	AXIS LIGHTING	AULED-22-4500-90-35-BTW3527-W-UNV-XX-XX-B(#)	LED 4500 LUMEN 3500K, 90 CRI	UNV	RECESSED	48W	AURA 2X2 LIGHT FIXTURE, WHITE FINISH, PROVIDE INTEGRAL BATTERY PACK FOR FIXTURES TAGGED EM ON LIGHTING PLAN.
ⓓ	ZUMTOBEL LIGHTING	PANOS-D-N-100-R-H-19W-935-MS-W PANOS-TG/FE-100DL-R-19W-DA-XX	LED 3500K, 90 CRI	UNV	RECESSED	19W	3.5" ROUND DOWNLIGHT, 90 CRI, 3500K, STANDARD FLANGE, FOR BOTH GRID ACCESSIBLE AND INACCESSIBLE CEILING.
Ⓧ	LITHONIA LIGHTING	EDGR-1-R-EL	LED	120V	RECESSED CEILING MOUNTED	3W	8" RED LETTERS ON CLEAR BACKGROUND. TRIM SHALL BE RECESSED AND FLAT.
NOTES:							
1.) VERIFY ALL FIXTURE CATALOG NUMBERS FOR INTENDED APPLICATIONS WITH REQUIRED ACCESSORIES.							
2.) ALL BALLASTS AND DRIVERS IN FIXTURES LOCATED OUTDOORS SHALL BE ZERO DEGREE RATED STARTING TEMPERATURE. REFER TO DRAWINGS FOR LOCATION OF FIXTURES.							
3.) LIGHT FIXTURES INDICATED AS EMERGENCY (EM) ON DRAWINGS SHALL CONTAIN AN EMERGENCY BACK-UP BATTERY WHERE POSSIBLE THE SHALL BE INTERNAL TO FIXTURE WITH A VISUAL INDICATING CHARGE LAMP AND TEST SWITCH. IF IT IS NOT POSSIBLE TO INSTALL THE EMERGENCY BATTERY IN THE FIXTURE, THE CONTRACTOR SHALL FURNISH & INSTALL A REMOTE EMERGENCY BATTERY. EACH BATTERY PACK SHALL BE CONNECTED SO THAT THE FIXTURE CAN BE SWITCHED UNDER NORMAL CONDITIONS AND IN THE EVENT OF A POWER OUTAGE, THE FIXTURE SHALL AUTOMATICALLY ILLUMINATE FOR 90 MINUTES WITH A 1200 LUMEN OUTPUT (TOTAL FROM FIXTURE), MINIMUM.							
4.) ALL EXIT AND EMERGENCY FIXTURES SHALL BE FED FROM UNSWITCHED LEG OF ASSOCIATED LOCAL LIGHTING CIRCUITS.							
5.) IN THE EVENT THE CONTRACTOR CHOOSES TO SUBSTITUTE LIGHT FIXTURES FOR THOSE THAT ARE SPECIFIED ON THE LIGHT FIXTURE SCHEDULE, THE CONTRACTOR SHALL SUBMIT POINT-TO-POINT PHOTOMETRIC CALCULATIONS FOR ALL AREAS WHERE THE SUBSTITUTED FIXTURES ARE INDICATED TO BE INSTALLED ON THE DRAWINGS. THESE CALCULATIONS SHALL BE SUBMITTED ALONG WITH THE LIGHT FIXTURE SHOP DRAWINGS.							



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ELECTRICAL PANEL
SCHEDULES AND LIGHTING
FIXTURE SCHEDULE

PROJECT NO.: 2578-01 SCALE: AS NOTED

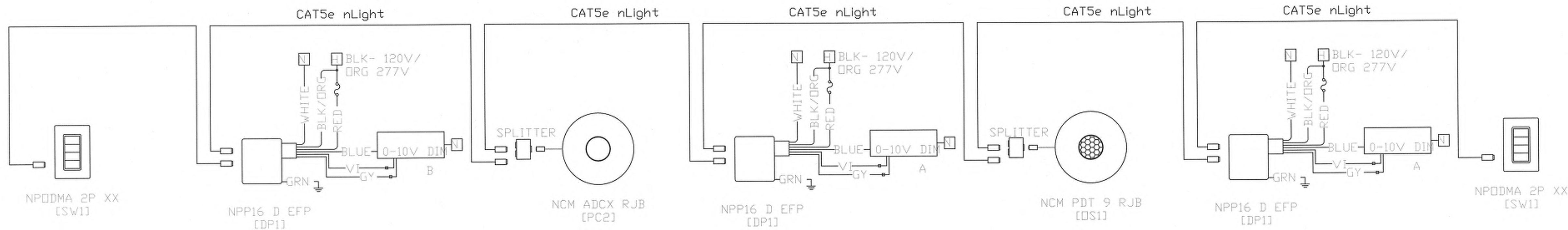
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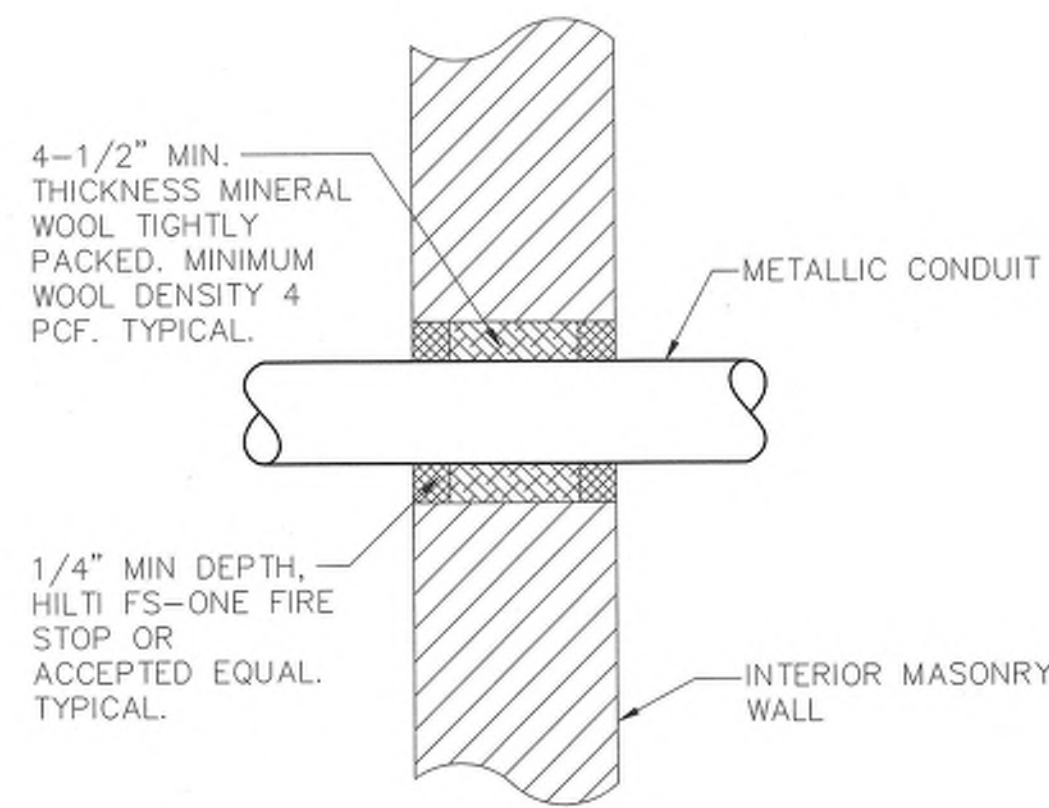


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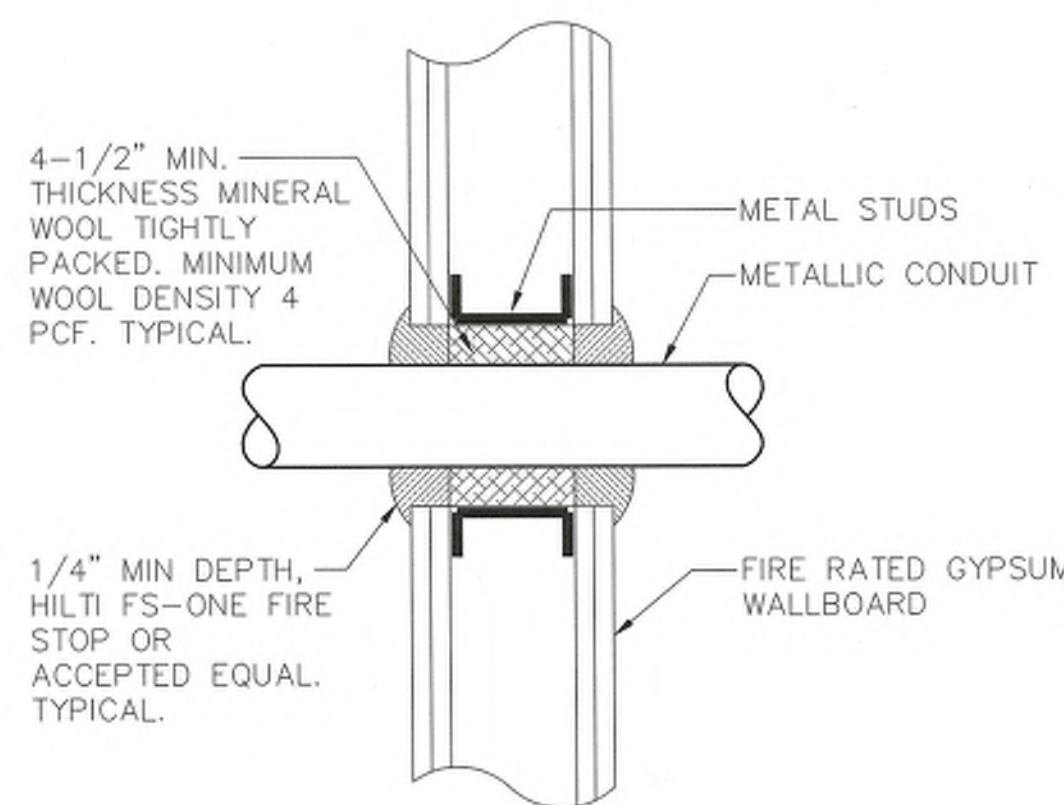
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
three quarters inch = one foot
one inch = one foot



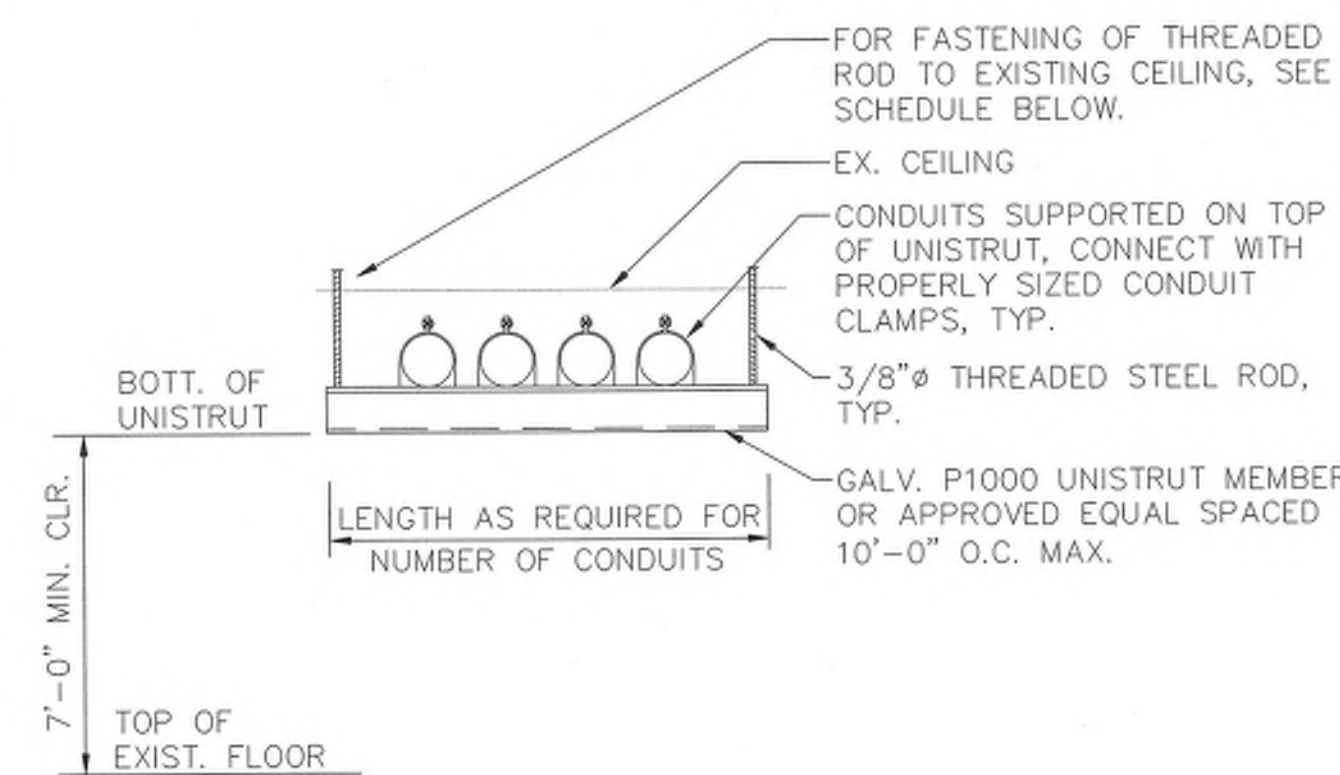
7 TYPICAL LIGHTING CONTROL WIRING DIAGRAM
SCALE: NONE



6 TYPICAL INTERIOR MASONRY WALL
CONDUIT PENETRATION DETAIL
SCALE: NONE

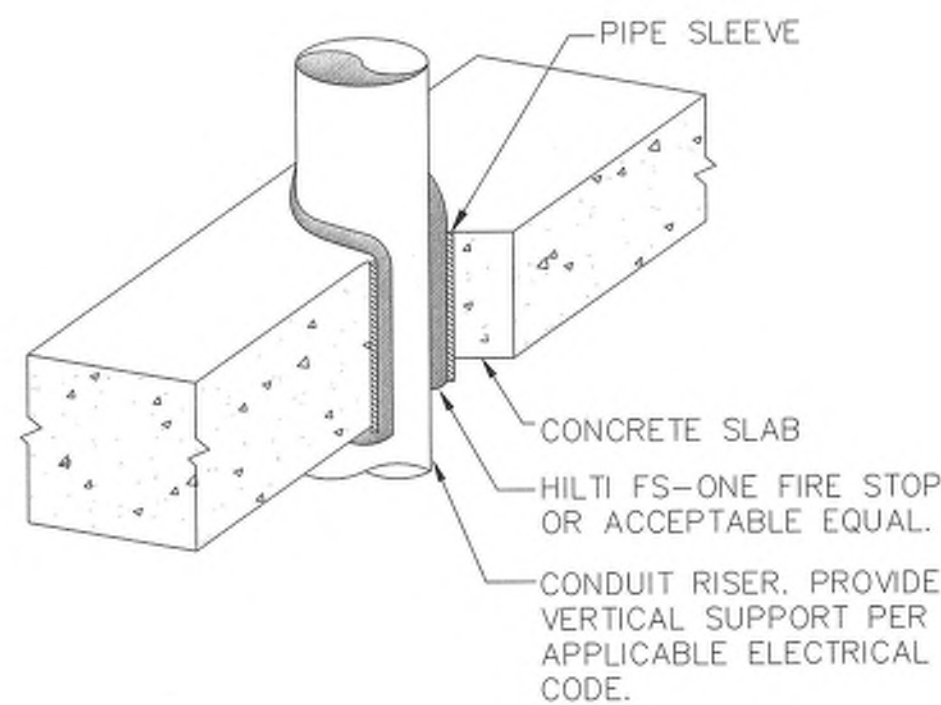


5 TYPICAL FIRE RATED GYPSUM WALL
CONDUIT PENETRATION DETAIL
SCALE: NONE

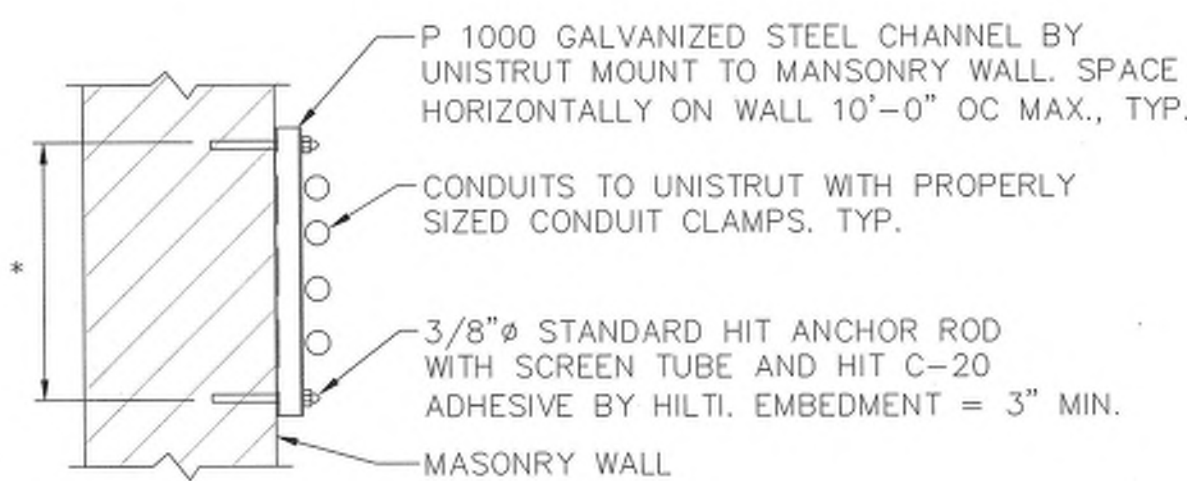


CEILING CONSTRUCTION	ANCHOR TYPE	EMBEDMENT
NORMAL WT. CONC	HILTI HDI DROP-IN ANCHOR	1" MIN.
CINDER CONCRETE	HILTI KWIK BOLT II	3" MIN.
HOLLOW CONSTRUCTION	TOGGLE BOLTS	NA

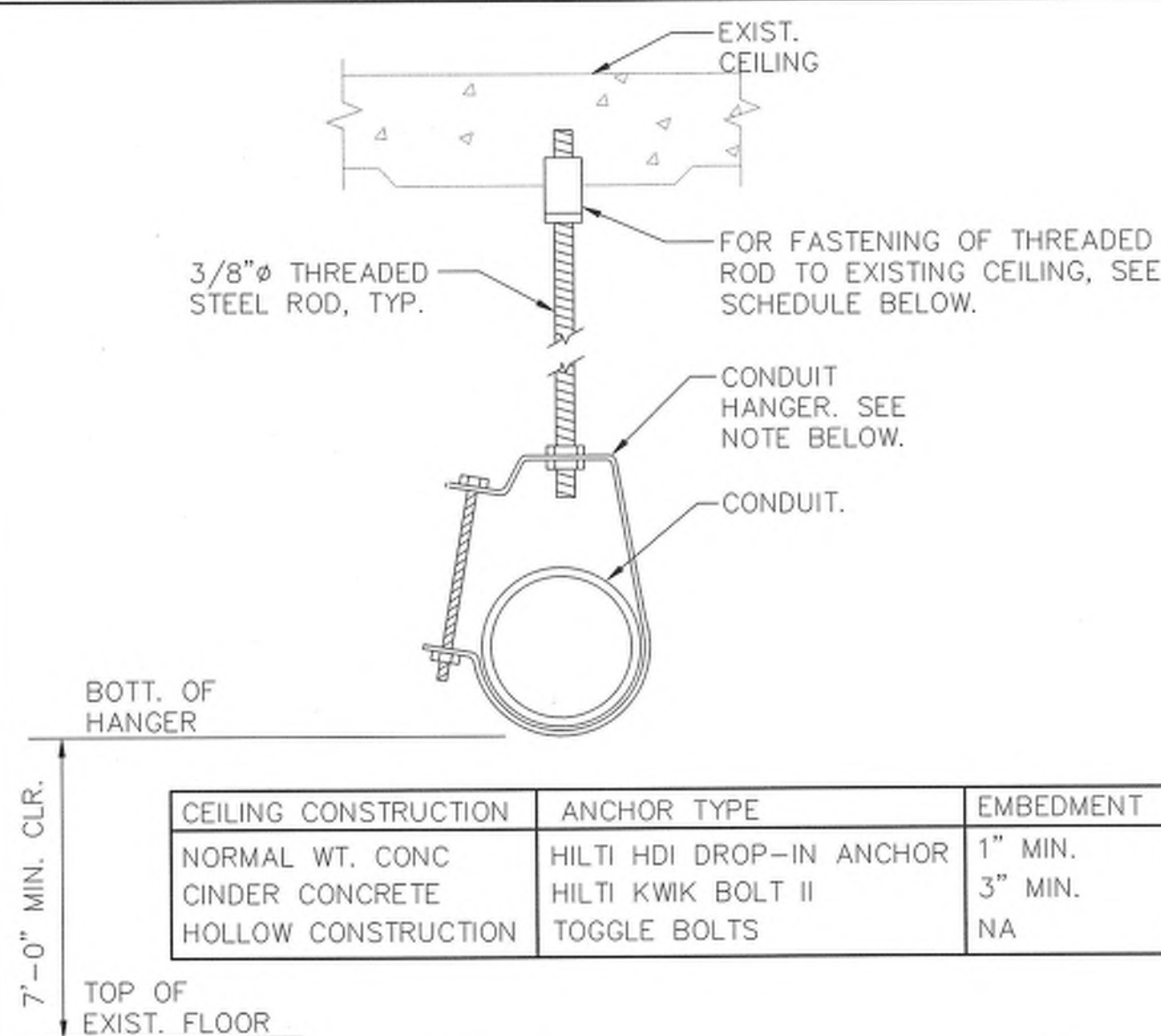
4 TRAPEZE SUPPORT DETAIL
SCALE: NONE



3 TYPICAL VERTICAL CONDUIT PENETRATION DETAIL
SCALE: NONE



2 TYPICAL CONDUIT SUPPORT
ON MASONRY
SCALE: 1" = 1'-0"



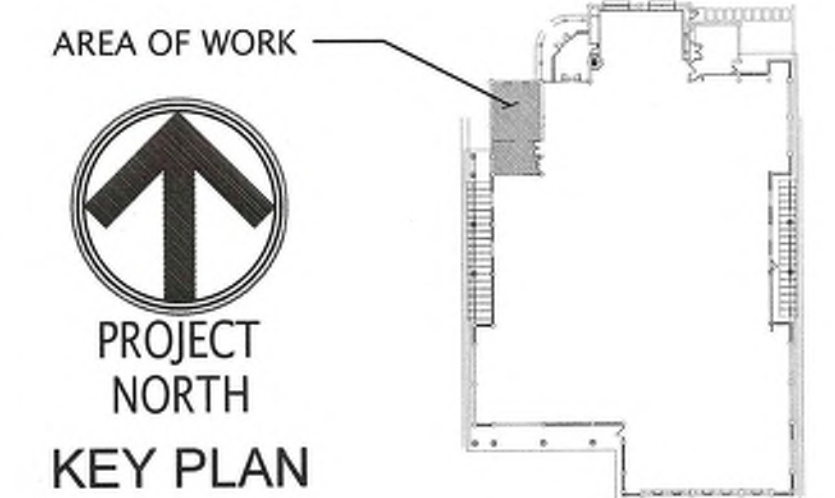
CEILING CONSTRUCTION	ANCHOR TYPE	EMBEDMENT
NORMAL WT. CONC	HILTI HDI DROP-IN ANCHOR	1" MIN.
CINDER CONCRETE	HILTI KWIK BOLT II	3" MIN.
HOLLOW CONSTRUCTION	TOGGLE BOLTS	NA

1 SINGLE CONDUIT HANGER DETAIL
SCALE: NONE
NOTE: CLEVIS HANGERS REQUIRED ON PIPING LARGER THAN 1".
GENERAL PURPOSE HANGERS MAY BE USED ON PIPING 1" OR SMALLER.



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PEARL RIVER PUBLIC LIBRARY RESTROOM RENOVATION

ELECTRICAL DETAILS

PROJECT NO.: 2578-01 SCALE: AS NOTED

DRAWING NO.:

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one eighth inch = one foot
0 4 8 16

one quarter inch = one foot
0 4 8

three eighths inch = one foot
0 4

one half inch = one foot
0 4

three quarters inch = one foot
0 2

one inch = one foot
0 2

PLUMBING PIPE MATERIAL SCHEDULE

PLUMBING PIPE MATERIAL SCHEDULE							
PIPE SYSTEM	SIZE	PIPE			FITTINGS		
		MATERIAL	TYPE / WEIGHT	STANDARD	MATERIALS	TYPE / WEIGHT	STANDARD
DOMESTIC WATER PIPING (CW, HW, HWC)	ALL	COPPER	HARD / TYPE L	ASTM B88	COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
SANITARY, WASTE, VENT (ABOVE GROUND)	< 4"	COPPER	DWV HARD / TYPE L	ASTM B88	DWV COPPER	95 / 5 SOLDER LEAD FREE	ASTM B828 ASME B16.22
			CAST IRON	HUBLESS / HUB AND SPIGOT	ASTM A74 ASTM A888 CISPI 301 / 310	CAST IRON	LEAD / OAKUM
	SCHEDULE 40 / SERVICE	CAST IRON		COUPLING		ASTM C564	
NOTES: 1. INSTALL DUCTILE IRON PIPING UNDER BUILDING SLAB WITH RESTRAINED JOINSTS ACCORDING TO AWWA C600 AND AWWA M41. 2. INSTALL UNDERGROUND COPPER AND DUCTILE IRON PIPE IN PE ENCASEMENT ACCORDING TO ASTM A 674 OR AWWA C105/A21.5 3. DUCTILE IRON WATER SERVICE PIPING SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104. 4. WATER SERVICE PIPE SHALL CONFORM TO NSF 61 AND SHALL HAVE A WORKING PRESSURE RATING OF NOT LESS THAN 160 PSI AT 73.4 °F 5. ALL MEDICAL GAS PIPE SHALL BE MANUFACTURER CLEANED, PURGED, AND SEALED FOR MEDICAL GAS SERVICE, OR ACCORDING TO CGA G-4.1 FOR OXYGEN SERVICE. INCLUDE STANDARD COLOR MARKING "OXY", "MED", "OXY/MED", OR "ACR/MED" IN BLUE FOR TYPE L TUBE.							

PLUMBING FIXTURE SCHEDULE

TAG	SYMBOLS		FIXTURES	PLUMBING CONNECTIONS			
	PLAN	ELEVATION		WASTE	VENT	COLD WATER	HOT WATER
P-1			WATER CLOSET WALL-MOUNT	4"	2"	1¼"	-
P-2			LAVATORY WALL HUNG	2"	2"	¾"	¾"
P-3			URINAL	2"	2"	¾"	-
P-4			JANITOR SINK	2"	2"	¾"	¾"
P-5			BASIN SINK	3"	2"	¾"	¾"
DF			DRINKING FOUNTAIN	2"	2"	¾"	-
BF			BOTTLE FILLER	2"	2"	¾"	-
FD			FLOOR DRAIN	3"	2"	-	-
NOTES: 1.) ARCHITECT TO COORDINATE FINAL FIXTURE SELECTIONS, COLOR, FINISHES, QUANTITY, LOCATIONS, & MOUNTING HEIGHTS. 2.) PROVIDE MIXING VALVE FOR ALL LAVATORY FIXTURES.							

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
—	AFF	ABOVE FINISHED FLOOR
—	AHC	ABOVE HUNG CEILING
—	BFP	BACK FLOW PREVENTOR
	—	BALL VALVE
	—	BASKET STRAINER
	—	BUTTERFLY VALVE
	—	CHECK VALVE
	—	CIRCUIT SETTER
	CODP	CLEAN OUT DECK PLATE
—	CW	COLD WATER
	—	CONCENTRIC REDUCER
—	DCV	DOUBLE CHECK VALVE - BFP
	—	ECCENTRIC REDUCER
	—	ELBOW DOWN
	—	ELBOW UP
	—	FLEXIBLE CONNECTION
—	FCO	FLOOR CLEAN OUT
—	FS	FLOOR SINK
	—	FLOW ARROW
—	FAI	FRESH AIR INTAKE
	—	GATE VALVE
	—	GLOBE VALVE
—	LDR	LEADER
	—	MANUAL AIR VENT
	—	OS&Y GATE VALVE
	—	PLUG VALVE
	—	PIPE CAP
	—	POINT OF CONNECTION / DISCONNECTION
	—	PRESSURE GAGE
	—	PRESSURE REDUCING VALVE
	—	PUMP
—	PD	PUMP DISCHARGE
—	RPZ	REDUCED PRESSURE ZONE - BFP
—	REL.	REMOVE AND RELOCATE
—	S	SANITARY
	—	SOLENOID VALVE
	—	STRAINER
—	SD	STORM DRAINAGE
	—	TEE DOWN
	—	TEE UP
	—	THERMOMETER
—	TYP.	TYPICAL
	—	T&P RELIEF VALVE
	—	UNION
—	V	VENT
—	VTR	VENT THROUGH ROOF
—	WCO	WALL CLEAN OUT
—	W	WASTE LINE
	—	2-WAY VALVE
	—	3-WAY VALVE
—	EX.	EXISTING TO REMAIN
—	NEW	NEW WORK
---	DEM.	EXISTING TO BE REMOVED

SYMBOLS AND ABBREVIATIONS

SYMBOL	ABBREVIATION	DESCRIPTION
— — — —	CW	COLD WATER
— — — —	HW	HOT WATER
— — — —	HWC	HOT WATER RECIRCULATION

NOTE: FOR REFERENCE ONLY. NOT ALL SYMBOLS OR ABBREVIATIONS ARE USED IN THIS PROJECT.

GENERAL NOTES

- THE CONTRACT DRAWINGS INDICATE THE EXTENT AND GENERAL ARRANGEMENTS OF THE PLUMBING SYSTEMS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY BY THE PLUMBING CONTRACTOR, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE OWNER AND ENGINEER FOR APPROVAL. NO SUCH DEPARTURES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER. EQUIPMENT AND PIPING ARRANGEMENTS SHALL PROVIDE ADEQUATE AND ACCEPTABLE CLEARANCES FOR ENTRY, SERVICING, AND MAINTENANCE. ANY CHANGES TO PIPING AND EQUIPMENT LOCATIONS NECESSARY TO AVOID INTERFERENCE WITH OTHER TRADES SHALL BE MADE AT NO EXTRA COST.
- THE PLUMBING WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE PREVAILING NEW YORK STATE PLUMBING AND BUILDING CODES. IN CASE OF CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND A GOVERNING CODE OR ORDINANCE, THE MORE STRINGENT STANDARD SHALL APPLY.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PAYING RELATED FEES.
- CONNECTIONS TO EXISTING UTILITIES AND SERVICES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS, INVERT ELEVATIONS, AND SIZES OF EXISTING PLUMBING SERVICES IN FIELD, AND SHALL CONNECT NEW PLUMBING SERVICES AS INDICATED ON DRAWINGS.
- PRIOR TO FABRICATION, THIS CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND CONDITIONS ON JOB SITE, AND COORDINATE THIS WORK WITH THE WORK OF ALL OTHER TRADES.
- ALL ACCESS PANELS SHALL BE BY GENERAL CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR LOCATION. COORDINATE LOCATIONS WITH ARCHITECT FOR APPROVAL.
- PROVIDE ALL PLUMBING FIXTURES, PIPING, VALVES AND ACCESSORY ITEMS AS SPECIFIED AND AS REQUIRED FOR A COMPLETE INSTALLATION. ROUGHING DIMENSIONS OF FIXTURES MUST BE COORDINATED WITH THE GENERAL CONTRACTOR.
- PITCH ALL WASTE, SANITARY, AND STORM DRAIN PIPING AT MAXIMUM SLOPE POSSIBLE, BUT NOT LESS THAN 1/8" PER FOOT FOR PIPING ≥ 3" AND 1/4" PER FOOT FOR PIPING ≤ 2½".
- NO PIPING SHALL RUN EXPOSED IN FINISHED AREAS.
- PROVIDE DIELECTRIC FITTINGS OR COUPLINGS WHEREVER DISSIMILAR METALS ARE JOINED.
- PROVIDE SHUTOFF VALVES AT ALL FIXTURES AND EQUIPMENT ON COLD WATER, AND HOT WATER PIPES.
- ALL WORK SHALL BE PROPERLY TESTED, BALANCED, AND CLEANED AND DISINFECTED. PROVIDE A ONE YEAR WARRANTY FROM DATE OF FINAL INSPECTION ON ALL PARTS AND LABOR.
- PROVIDE ALL PIPE OPENINGS THROUGH PARTITIONS WITH PIPE SLEEVES. FOR PIPES PENETRATING FIRE RATED PARTITIONS, THE SPACE BETWEEN THE PIPE AND THE SLEEVE SHALL BE SEALED WITH FIRE STOPPING MATERIAL. PENETRATIONS FOR PIPING SHALL BE MADE BY CORE DRILLING WHENEVER POSSIBLE.
- ALL FLOOR DRAINS SHALL BE PROVIDED WITH TRAP SEALS/GUARDS.
- THE PLUMBING CONTRACTOR SHALL PROVIDE ALL CUTTING, PATCHING, CORE DRILLING, PAINTING, ACCESS PANELS, AND FINAL RESTORATION REQUIRED TO FACILITATE THE INSTALLATION OF PLUMBING PIPING, INCLUDING ABOVE CEILINGS AND IN SHAFTS THAT WILL NOT BE REPLACED OR OPENED UNDER ANY OTHER SCOPE OF WORK RELATED TO THIS PROJECT. CONTRACTOR TO REMOVE AND REPLACE CEILINGS, AND OPEN AND PATCH SHAFTS AND WALLS, AS REQUIRED TO EXECUTE THE PLUMBING WORK.
- NEW PIPING LAYOUT IS PREDICATED ON RECORD DRAWING DATA OF EXISTING RISERS AND DRAWINGS. MODIFICATIONS TO THE LAYOUT MAY BE REQUIRED DUE TO DIFFERENT ACTUAL CONDITIONS, OBSTRUCTIONS, INTERFERENCES, ETC.
- ALL MOTOR STARTERS AND DISCONNECT SWITCHES FOR PLUMBING EQUIPMENT SHALL BE FURNISHED BY THE PLUMBING CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR, UNLESS OTHERWISE NOTED. DISCONNECT SWITCHES FURNISHED BY THE PLUMBING CONTRACTOR FOR PLUMBING EQUIPMENT SHALL BE HEAVY DUTY TYPE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY VENTILATION AND EXHAUST AIR WHEN WELDING OR SOLDERING OPERATIONS ARE PERFORMED, AS REQUIRED BY OSHA.

EQUIPMENT NOTES

- WATER HAMMER ARRESTOR, (WHA): SHALL BE TYPE 650 SERIES: SIOUX CHIEF "HYDRARESTER" PISTON-TYPE, WITH TYPE L COPPER TUBE CONSTRUCTION, PRESSURIZED AIR CUSHION. REFER TO MANUFACTURER'S RECOMMENDED SIZING.
- HEAT TRACING: SHALL BE BASED ON DANFOSS SELF-REGULATING HEAT TRACE, SERIES PX, 3 WATTS PER LINEAR FOOT, 120V/1PH/60HZ, 15 AMPS. FIELD LOCATE WITH PIPING. COORDINATE WITH ELECTRICAL CONTRACTOR FOR CIRCUITING TO PANEL.

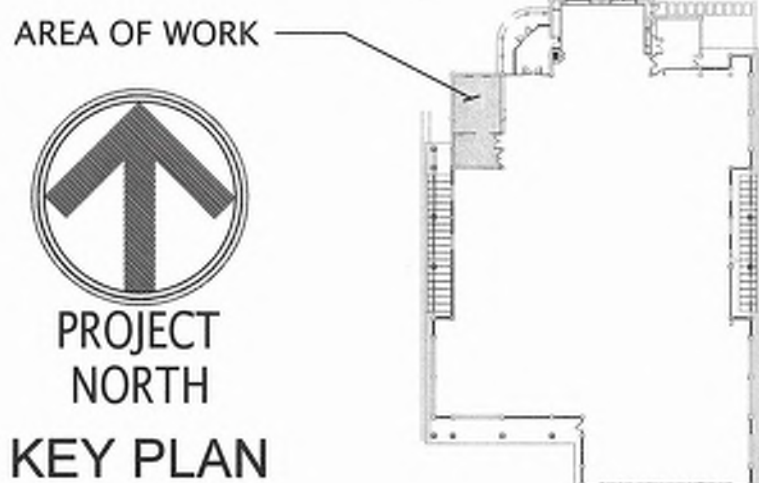
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ISSUE NO.	ISSUE DATE	DESCRIPTION



PEARL RIVER PUBLIC LIBRARY RESTROOM RENOVATION

PLUMBING SYMBOLS, ABBREVIATIONS, NOTES & SCHEDULES

PROJECT NO.: 2578-01 SCALE: AS NOTED

DRAWING NO.:

P-001





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one eighth inch = one foot

0 4 8 16



1	DEM. TOILET COMPLETE. DEM ASSOCIATED CW, SANITARY & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL	4	DEM. JANITOR SINK COMPLETE. DEM ASSOCIATED CW, HW, WASTE & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL
2	DEM. LAV COMPLETE. DEM ASSOCIATED CW, HW, WASTE & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL	5	DEM. DRINKING FOUNTAIN COMPLETE. DEM ASSOCIATED CW, WASTE & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL
3	DEM. URINAL COMPLETE. DEM ASSOCIATED CW, WASTE & VENT PIPING BACK TO ACTIVE MAINS & CAP FOR NEW WORK. TYPICAL		



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AREA OF WORK



PROJECT
NORTH
KEY PLAN

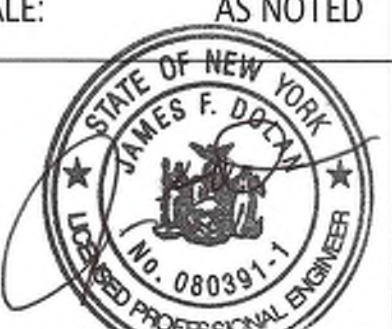
PEARL RIVER PUBLIC LIBRARY RESTROOM RENOVATION

RESTROOM PLUMBING NEW WORK PLAN

PROJECT NO.: 2578-01 SCALE: AS NOTED

DRAWING NO.:

P-201



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one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
one half inch = one foot
three quarters inch = one foot
one inch = one foot



2 PLUMBING FIRST FLOOR BATHROOM SUB-SLAB NEW WORK PART PLAN
SCALE: 1/4" = 1'-0"

EX. 4" S BELOW GRADE
TO EX. HOUSE-TRAP

4"S UP

3"W UP TO FD ABOVE

3"W UP TO FD ABOVE

4"S FROM NEW FAMILY RESTROOMS
ROUTED BELOW SLAB

3"W UP TO FD ABOVE

2"W UP TO JANITOR'S
SINK P-4

2"W UP

4"S UP

3"W UP TO FD ABOVE

3"W UP TO DF & BF

3"W UP TO CODP

EX. 4"S

4"S

3"W

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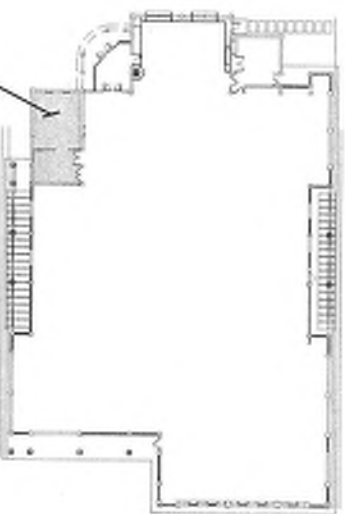
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AREA OF WORK



PROJECT
NORTH
KEY PLAN



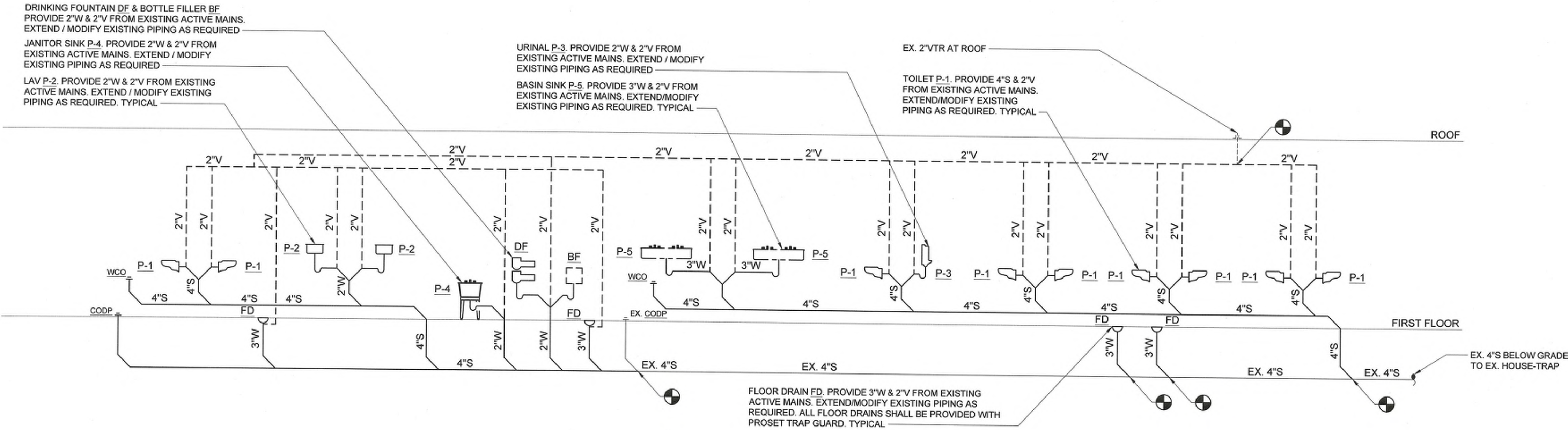
PEARL RIVER
PUBLIC LIBRARY
RESTROOM
RENOVATION

PLUMBING RISER DIAGRAMS

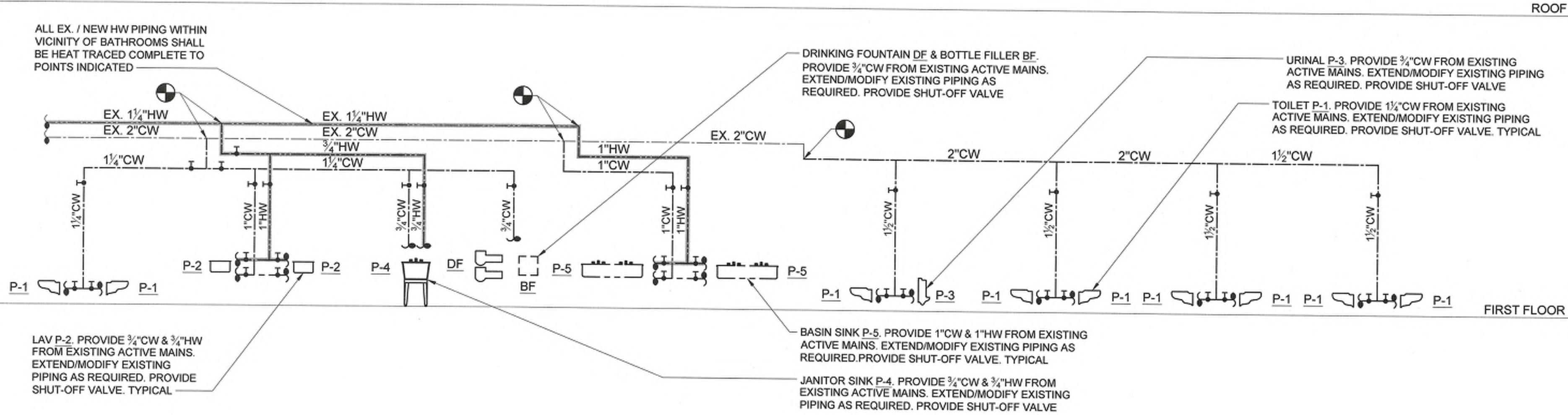
PROJECT NO.: 2578-01 SCALE: AS NOTED

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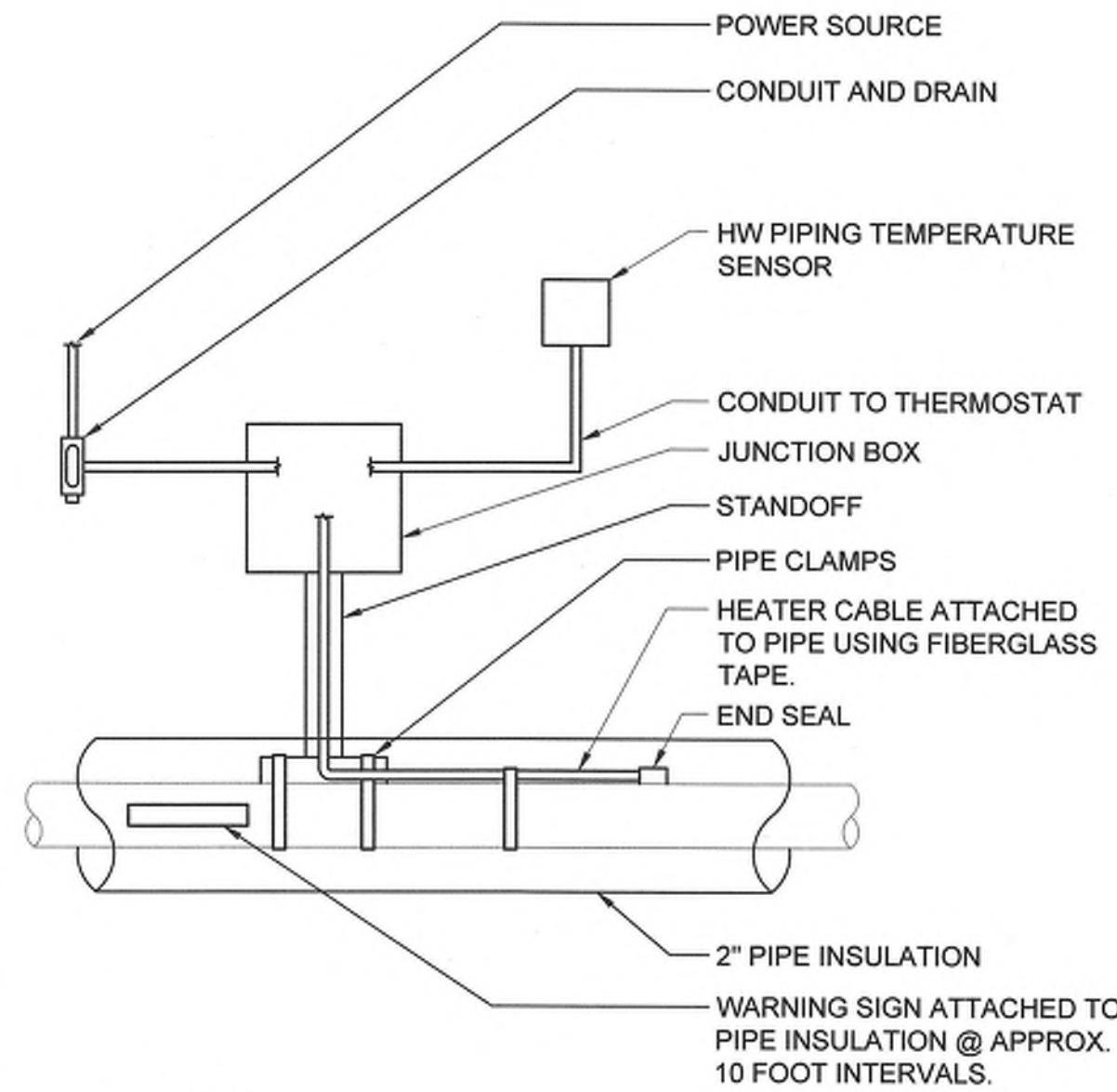
2 PLUMBING SANITARY RISER
SCALE: N.T.S.



1 PLUMBING DOMESTIC RISER
SCALE: N.T.S.

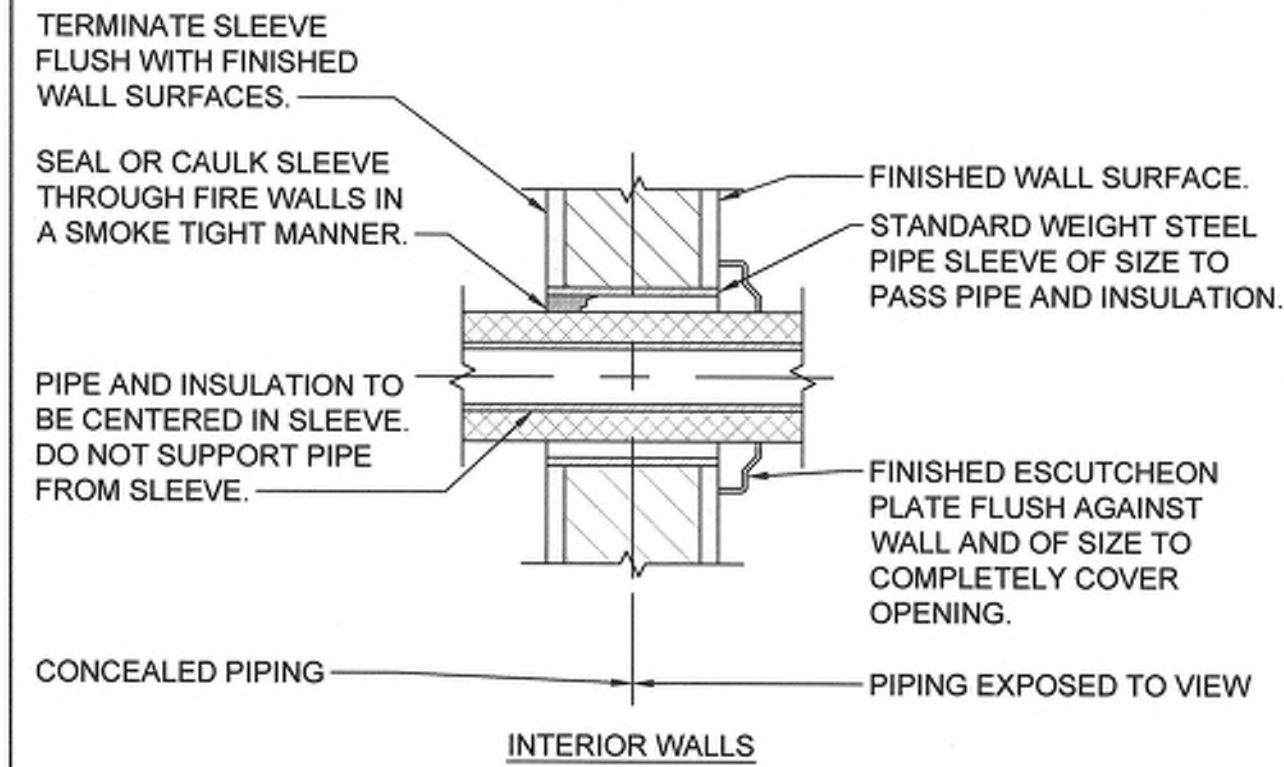
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one inch = one foot

one inch = one foot
one half inch = one foot
three quarters inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

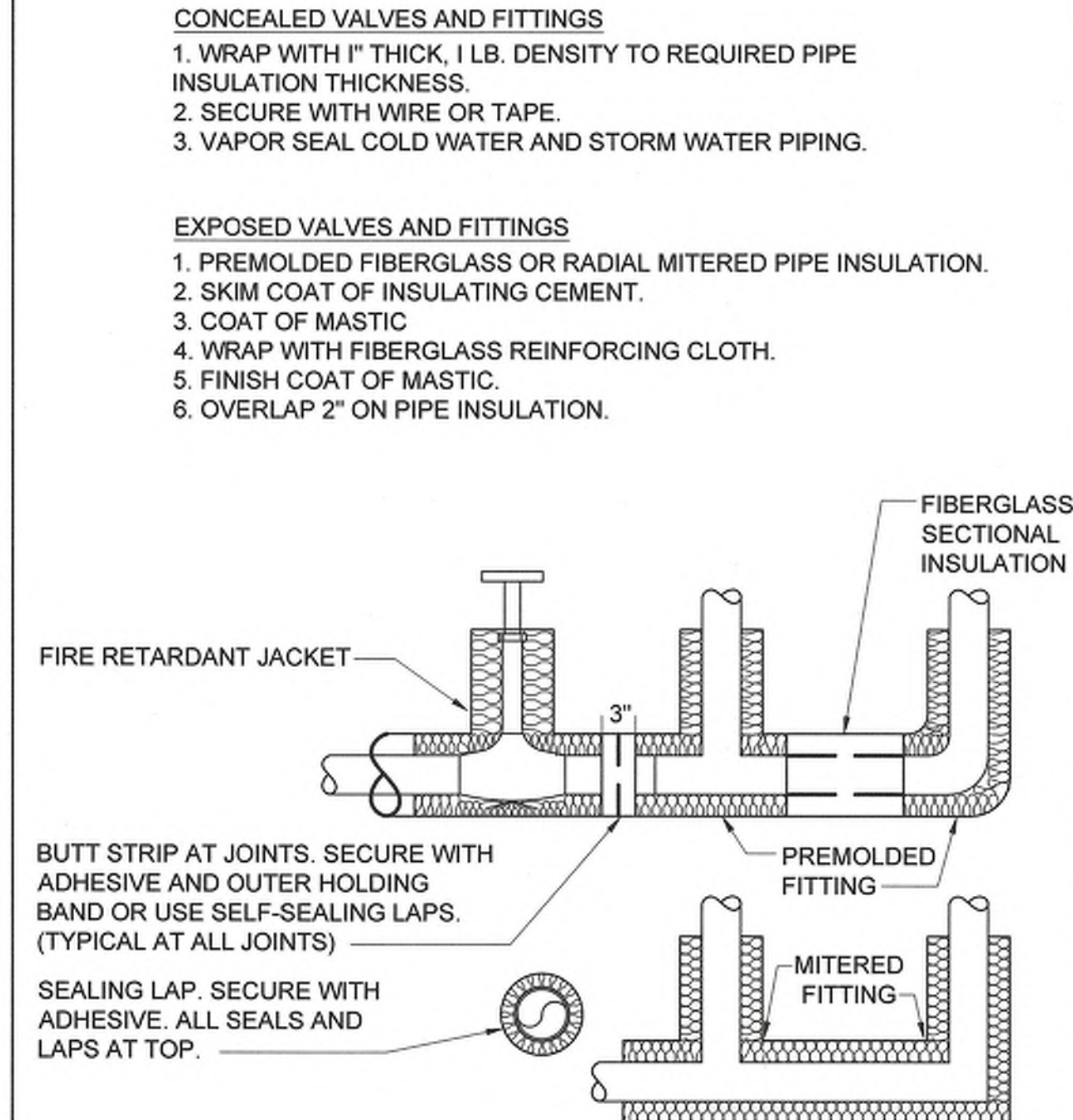


NOTES:
1. SYSTEM SHALL BE UL LISTED AND APPROVED.

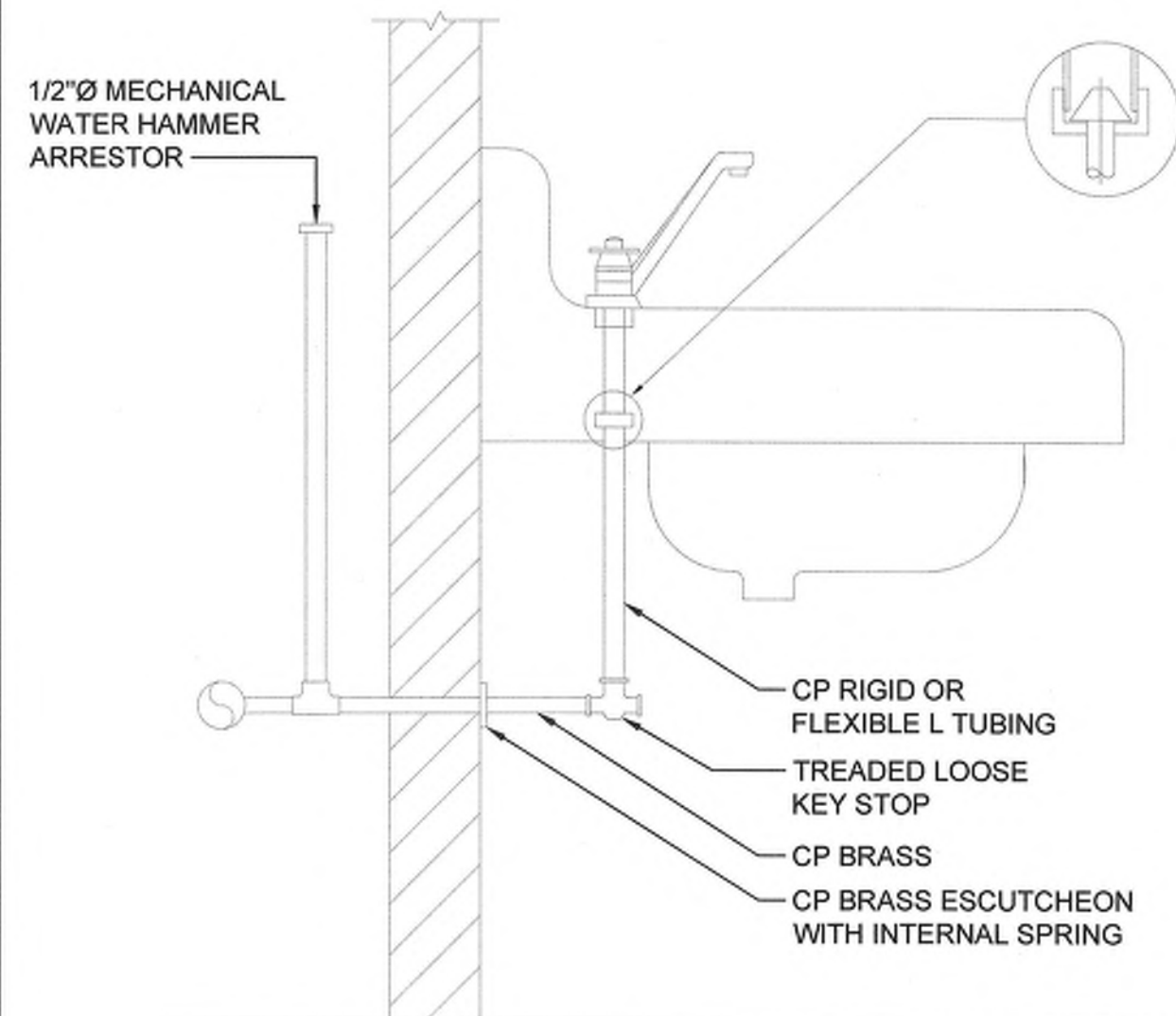
6 HEAT TRACING DETAIL
SCALE: NONE



4 PIPE WALL SLEEVE DETAIL
FOR INTERIOR WALLS
SCALE: NONE

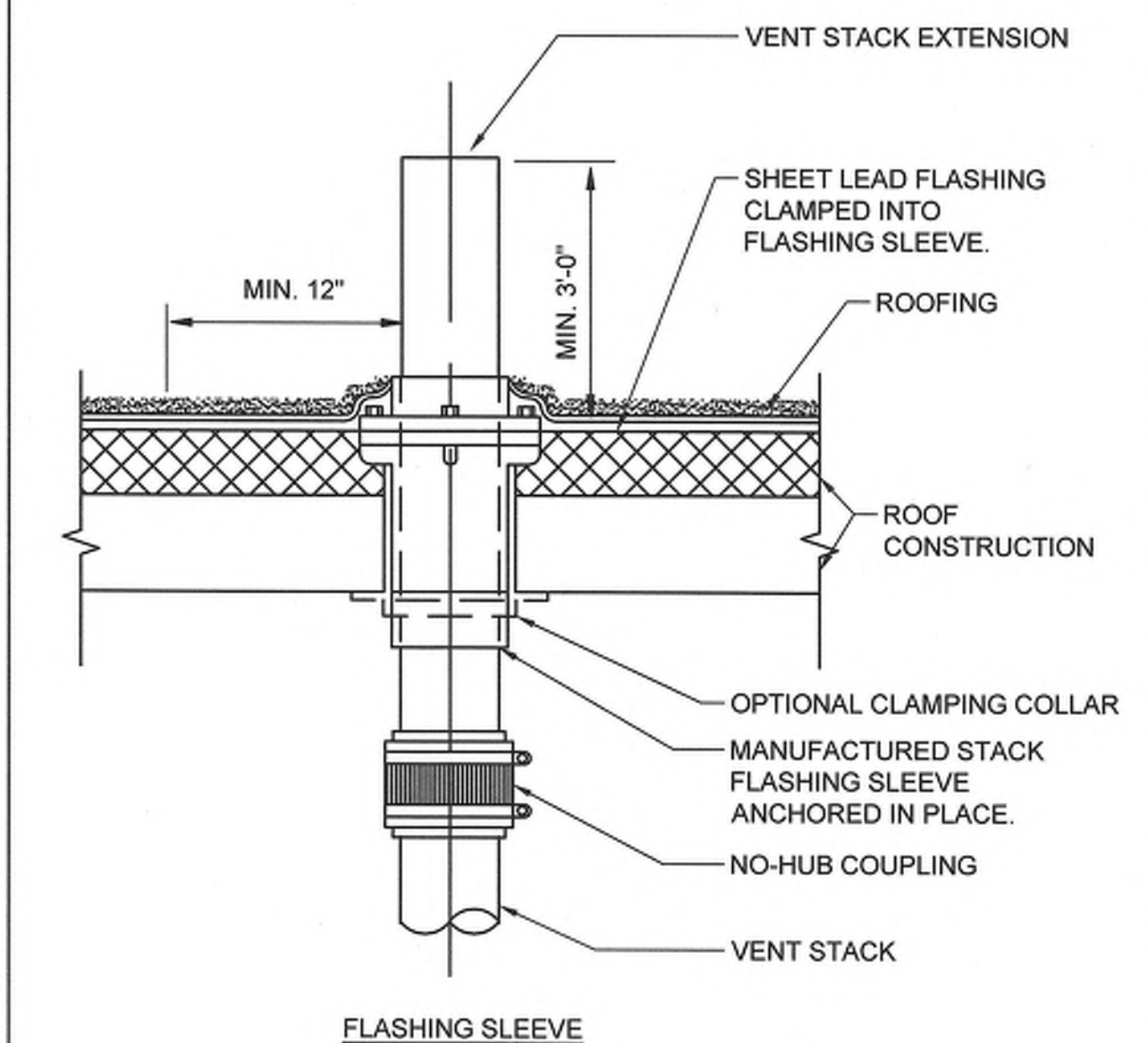


2 PIPE INSULATION DETAIL
SCALE: NONE



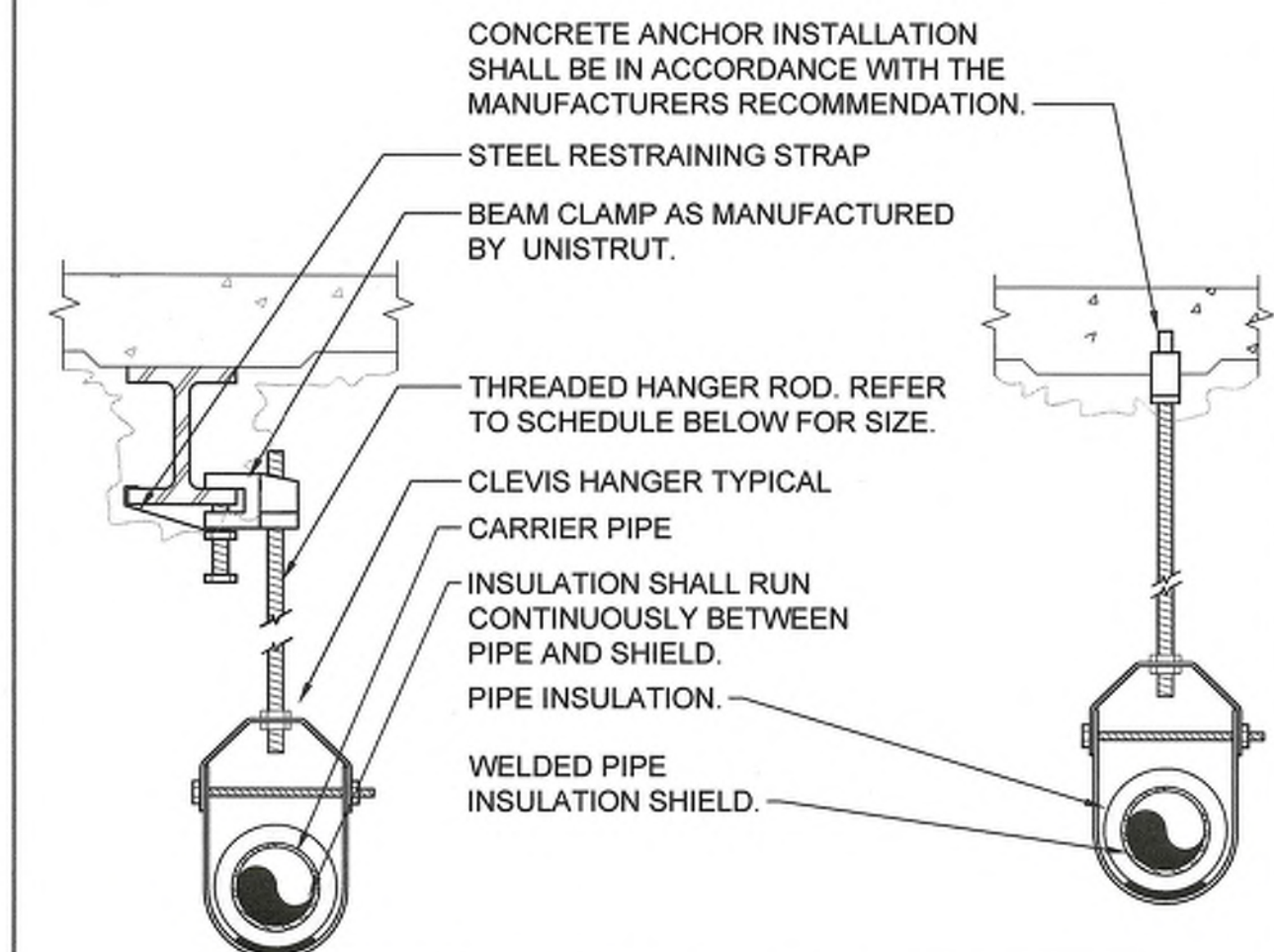
NOTE:
1. SIMILAR SUPPLY ARRANGEMENT TO OTHER FIXTURES.

5 SUPPLY LAVATORY
SUPPLY CONNECTION
SCALE: NONE



NOTE:
1. VENT STACK OUTLET TO BE 10 FT. (MIN.) FROM ANY WALL OR STRUCTURE OR 3 FT. ABOVE STRUCTURE

3 VENT THRU ROOF
SCALE: NONE



PIPE HANGER SCHEDULE					
PIPE DIA.	3/4"-2"	2 1/2"-3"	4"-5"	6"	8"-12"
HANGER DIA.	3/8"	1/2"	5/8"	3/4"	7/8"

NOTES:
1. CLEVIS HANGERS WITH WELDED INSULATION SHIELDS SIMILAR TO RAUCH FIG. 100SH ON ALL PIPES LARGER THAN 1".
2. FOR PIPES 1" OR SMALLER, A BAND HANGER WITH INSULATION SHIELD MAY BE USED SIMILAR TO RAUCH FIG. NO. 1ASH.
3. FOR NON-INSULATED PIPE, INSULATION SHIELDS MAY BE OMITTED.
4. ALL PIPE HANGERS SHALL BE GALVANIZED STEEL OR FACTORY PAINTED BLACK WITH ENAMEL.
5. FOR NON FERROUS PIPING WITHOUT INSULATION, ALL HANGERS SHALL BE COPPER PLATED OR FURNISHED WITH A DI-ELECTRIC BETWEEN PIPE AND HANGERS.
6. WHERE EXISTING BUILDING STRUCTURAL COMPONENTS HAVE FIREPROOF MATERIAL, ANY AREA THAT IS DISTURBED OR DAMAGED AS A RESULT OF HANGER INSTALLATION SHALL BE PATCHED WITH UL AND FM APPROVED FIREPROOFING TO MATCH EXISTING.
7. ALL ANCHORS AND INSERTS SHALL HAVE NEW YORK CITY BOARD OF STANDARD AND APPEALS, (BSA) APPROVAL.

1 PIPE HANGER DETAIL
SCALE: NONE

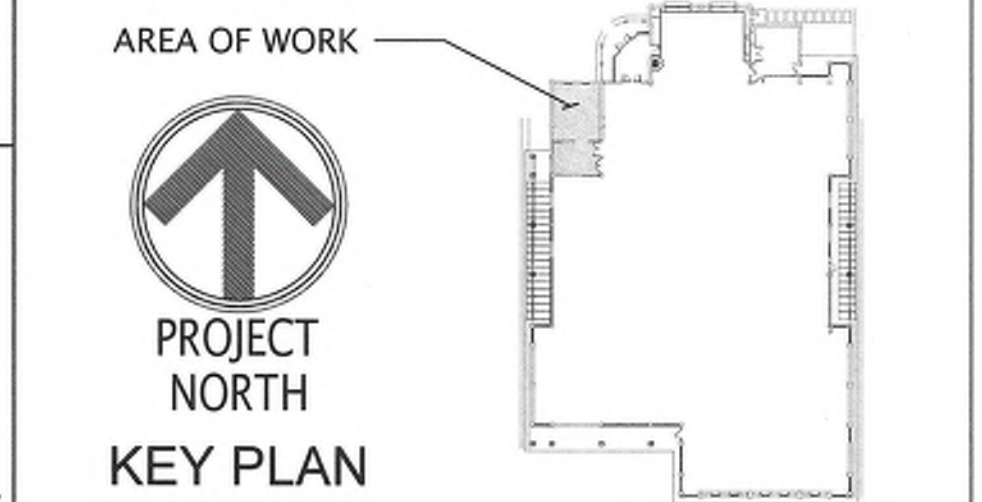
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PEARL RIVER
PUBLIC LIBRARY
RESTROOM
RENOVATION

PLUMBING DETAILS

PROJECT NO.: 2578-01 SCALE: AS NOTED
DRAWING NO.: P-701

