



ALABAMA
PORT AUTHORITY
PORT OF MOBILE

First Addendum

Project Name **International Trade Center Renovations
4th Floor Construction, Phase I**

Location **Mobile, AL**

Project # **11091 Task 6** **June 2024**

First Addendum

**International Trade Center Renovations
4th Floor Construction, Phase I
June 12, 2024**



ALABAMA
PORT AUTHORITY
PORT OF MOBILE

First Addendum

Project Name **International Trade Center Renovations**
 4th Floor Construction, Phase I

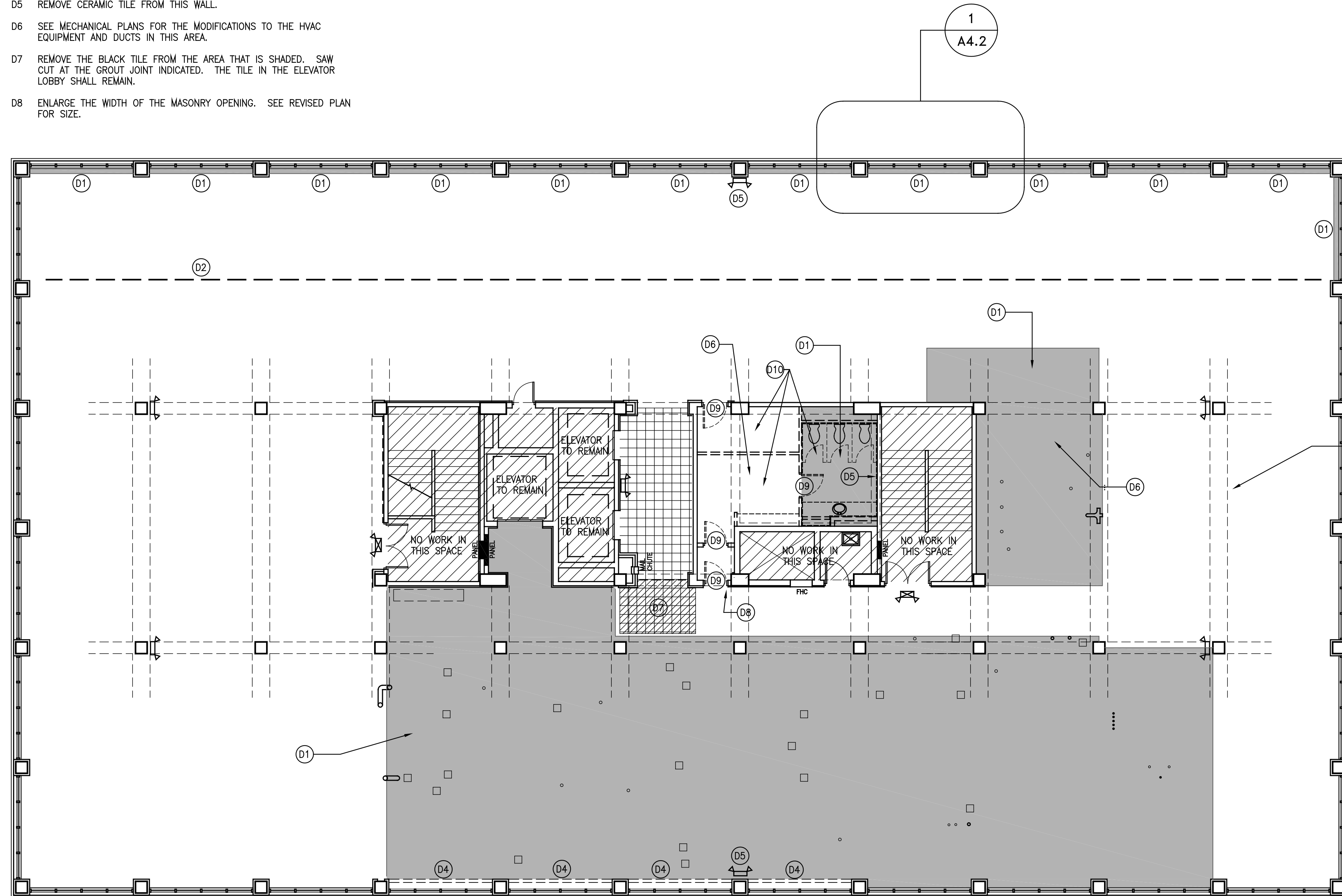
Location **Mobile, AL**

Project # **11091 Task 6** **June 2024**

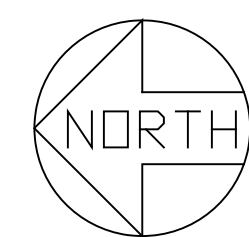
The Bid Specification Book is amended to include the Drawings and Product Information sheets attached herewith.

DEMOLITION NOTES

- D1 WORK TO CONCRETE SLAB IN AREAS THAT ARE SHADED:
 - REMOVE THE MUD BED TO EXPOSE THE CONCRETE SLAB.
 - CLEAN THE CONCRETE SLAB.
 - REMOVE OR RELOCATE OLD PLUMBING SUPPLY AND WASTE LINES AS DIRECTED ON THE PLUMBING PLANS.
 - "BLIND OFF" ALL PENETRATIONS THROUGH THE SLAB.
 - APPLY PRIMER TO SLAB.
 - INSTALL MAPEI, SELF-LEVELER PLUS (OR EQUAL) SELF-LEVELING UNDERLAYMENT. INSTALL PER MANUFACTURERS INSTRUCTIONS. FILL RECESS UP TO LEVEL OF ADJACENT SLAB. (NOTE: IN RESTROOM WHERE HARD TILE IS STILL PRESENT, REMOVE THE TILE.)
- D2 FULLY REMOVE THIS STEEL FRAME.
- D3 (not used)
- D4 REMOVE THE CERAMIC TILE BLOCK FROM BETWEEN THE COLUMNS.
- D5 REMOVE CERAMIC TILE FROM THIS WALL.
- D6 SEE MECHANICAL PLANS FOR THE MODIFICATIONS TO THE HVAC EQUIPMENT AND DUCTS IN THIS AREA.
- D7 REMOVE THE BLACK TILE FROM THE AREA THAT IS SHADED. SAW CUT AT THE GROUT JOINT INDICATED. THE TILE IN THE ELEVATOR LOBBY SHALL REMAIN.
- D8 ENLARGE THE WIDTH OF THE MASONRY OPENING. SEE REVISED PLAN FOR SIZE.
- D9 REMOVE DOOR AND FRAME.
- D10 COMPLETELY GUT THIS RESTROOM:
 - REMOVE TOILETS AND SINK. ALTER SUPPLY AND DRAIN LINES AS SHOWN ON THE PLUMBING PLANS.
 - REMOVE THE TOILET PARTITIONS.
 - REMOVE THE LAVATORY COUNTER AND OTHER COUNTER.
 - REMOVE MIRRORS AND ACCESSORIES.
 - REMOVE THE CARPET AND BASE.
 - REMOVE THE CERAMIC TILE.
 - REMOVE THE SUSPENDED CEILING SYSTEM.
 - REMOVE THE PLASTER CEILING.
 - REMOVE WALLS THAT ARE DASHED.
 - REMOVE LIGHTS AND RECEPTACLES AND SWITCHES AND ASSOCIATED CONDUIT. REMOVE CIRCUITS BACK TO SOURCE.



NOTE: THESE DASHED LINES INDICATE LOCATION OF STRUCTURAL CONCRETE BEAMS AT THE CEILING AND BELOW THE SLAB.



4TH FLOOR PLAN - DEMOLITION
 0 4' 8' 12' 16' 20' 24'
 SCALE: 1/8" = 1'-0"



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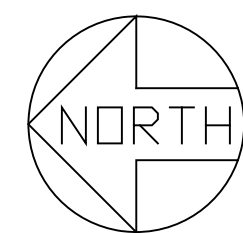
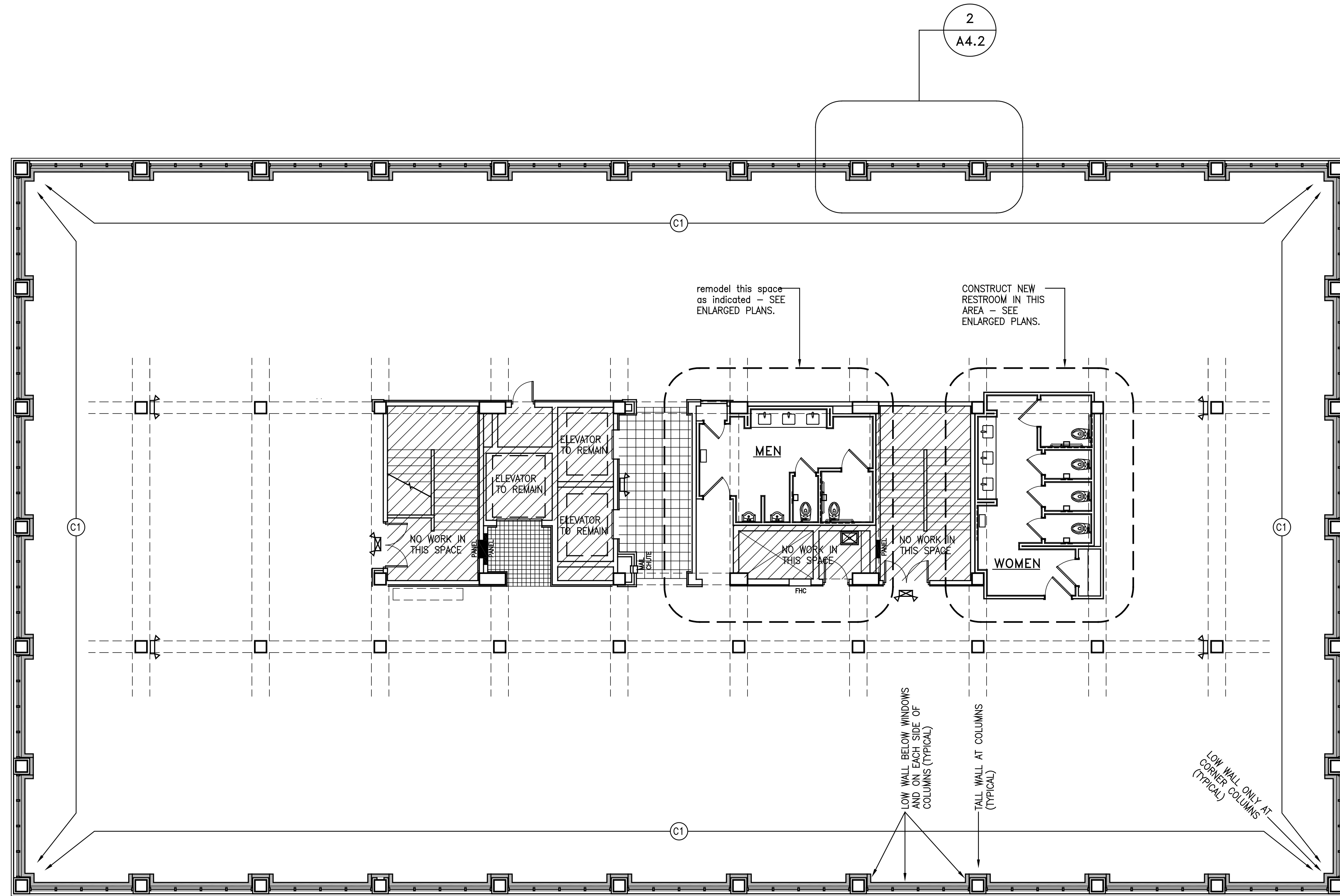
REVISIONS	
MARK	DATE

SHEET NAME
4th FLOOR PLAN - DEMOLITION
 PROJECT NO. 2024-01
 DATE JUNE 6, 2024
 SHEET NO.

A1.1

CONSTRUCTION NOTES

C1 CONSTRUCT STUD WALL AROUND THE ENTIRE PERIMETER. SEE DETAILS.



4TH FLOOR PLAN - NEW WORK

0 4' 8' 12' 16' 20' 24'
SCALE: 1/8" = 1'-0"



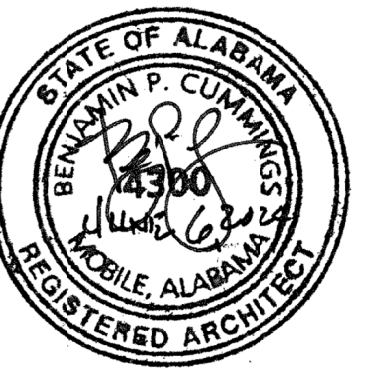
ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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4th FLOOR PLAN - NEW WORK
PROJECT NO. 2024-01
DATE JUNE 6, 2024
SHEET NO.

A1.2



ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

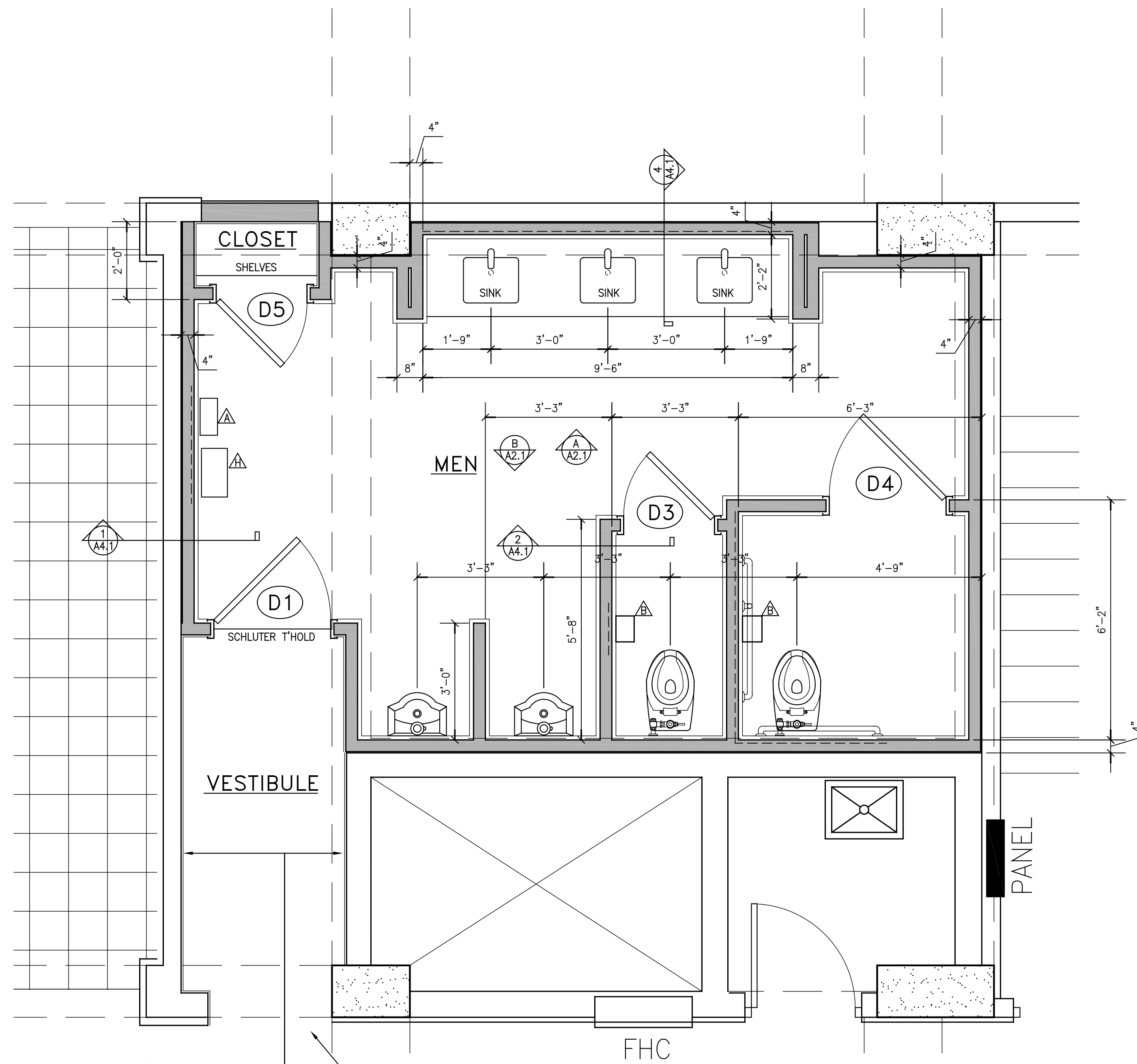
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SHEET NAME
RESTROOM PLANS

PROJECT NO. 2024-01
DATE JUNE 6, 2024
SHEET NO.

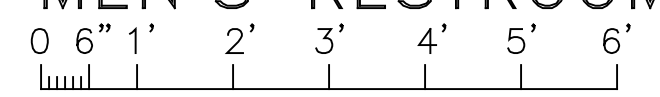
A1.3



THE GYPSUM WALL BOARD IN THE VESTIBULE SHALL BE GLUED TO THE SUBSTRATE. THE REASON FOR GLUEING IS TO MAXIMIZE THE WIDTH OF THE ROOM.

CREATE A NEW SHEETROCK RETURNED OPENING HEAR. MAKE OPENING AS WIDE AS POSSIBLE.

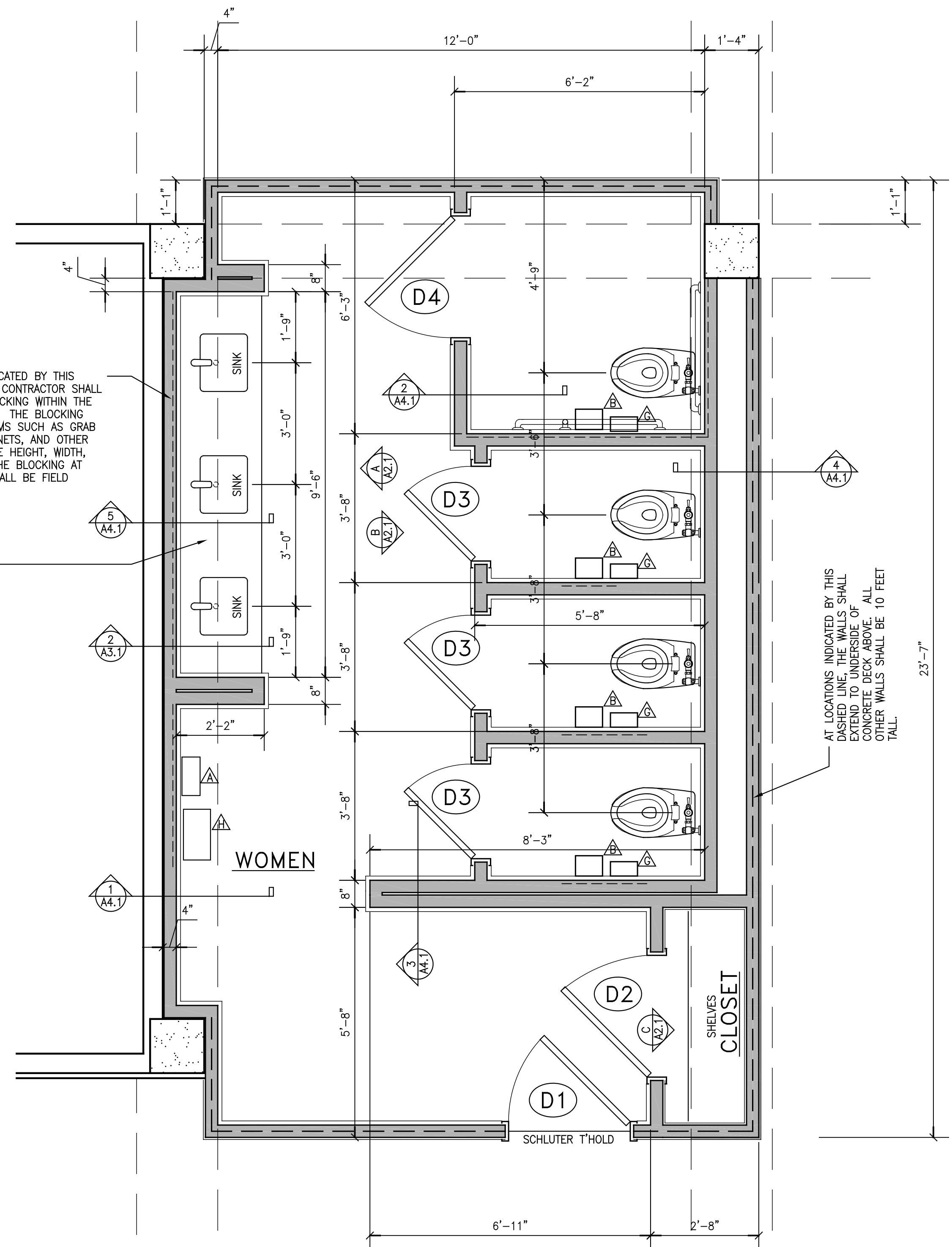
MEN'S RESTROOM PLAN



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

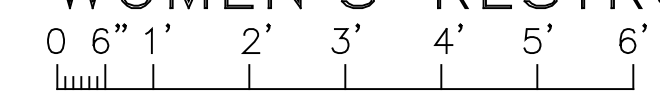
AT LOCATIONS INDICATED BY THIS DASHED LINE, THE CONTRACTOR SHALL INSTALL WOOD BLOCKING WITHIN THE METAL STUD WALL. THE BLOCKING SHALL BE FOR ITEMS SUCH AS GRAB BARS, VANITY CABINETS, AND OTHER ACCESSORIES. THE HEIGHT, WIDTH, AND LENGTH OF THE BLOCKING AT EACH LOCATION SHALL BE FIELD DETERMINED.

VANITY CABINET

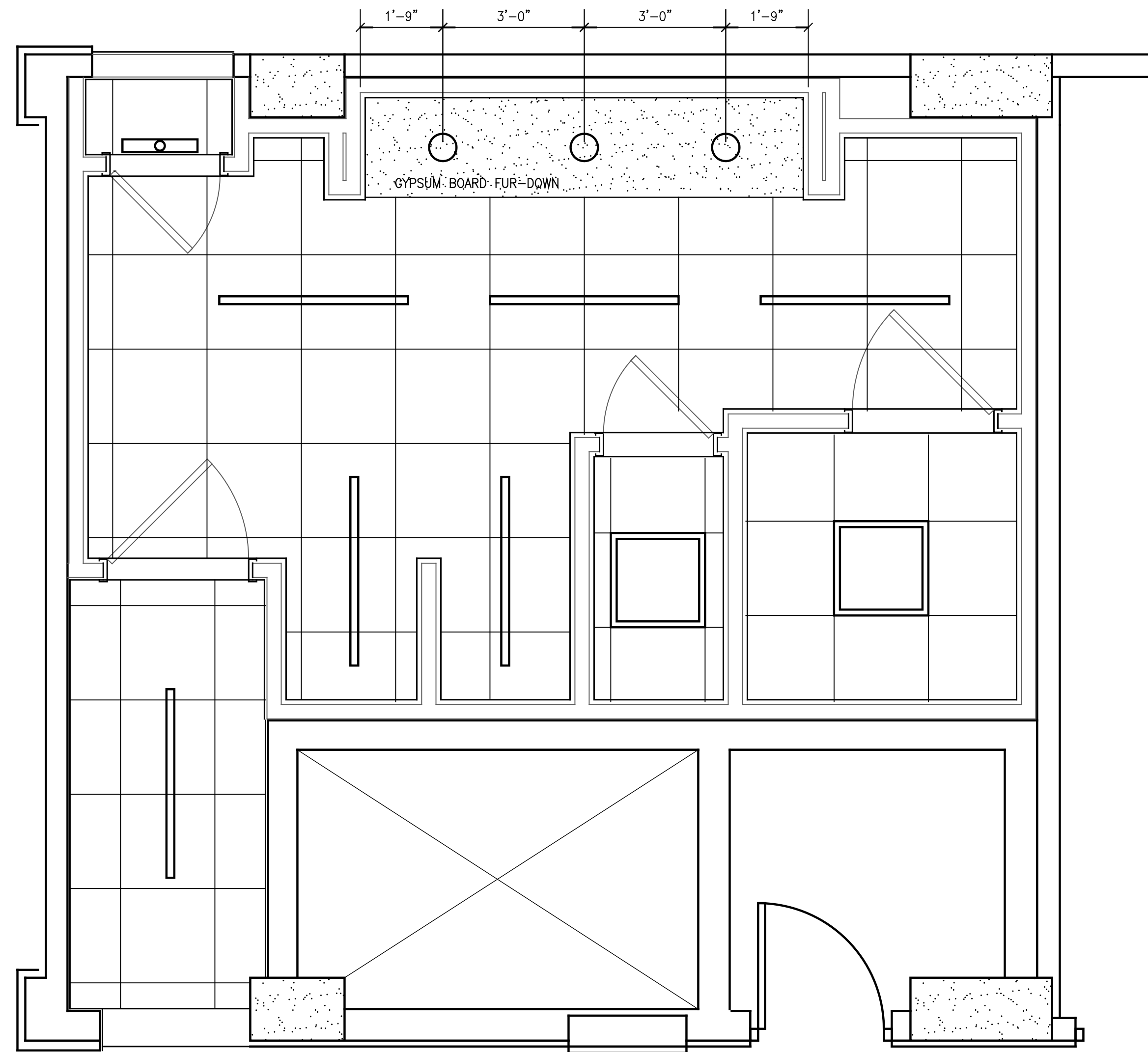


AT LOCATIONS INDICATED BY THIS DASHED LINE, THE WALLS SHALL BE REINFORCED WITH CONCRETE OR DEGRADE. ALL OTHER WALLS SHALL BE 10 FEET TALL.

WOMEN'S RESTROOM PLAN



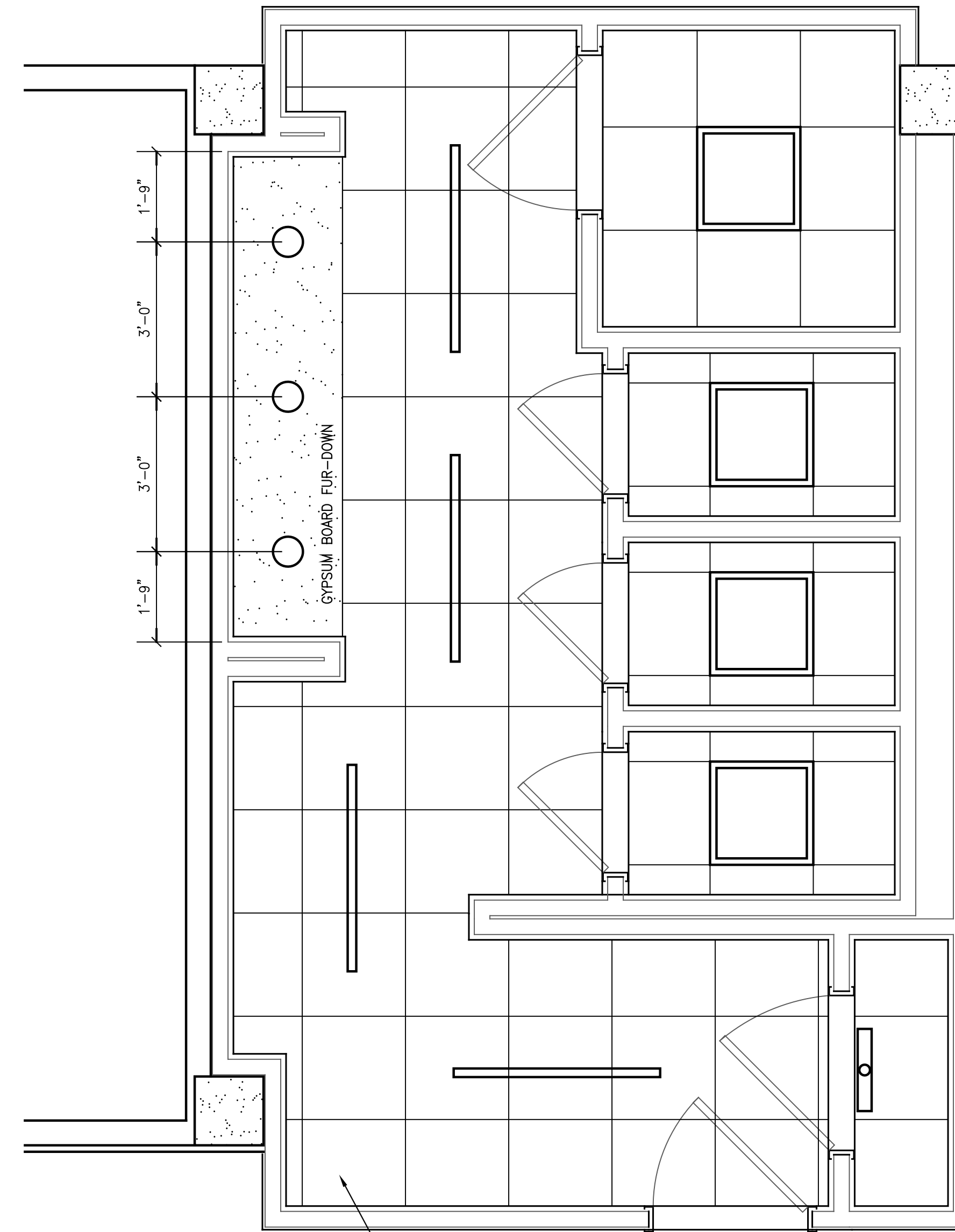
SCALE: 1/2" = 1'-0"



MEN'S REFLECTED CEILING PLAN

0 6" 1' 2' 3' 4' 5' 6'

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

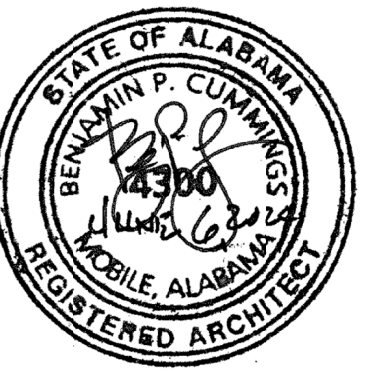


WOMEN'S REFLECTED CEILING PLAN

0 6" 1' 2' 3' 4' 5' 6'

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

2x2 SUSPENDED ACOUSTIC CEILING TILE



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4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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REVISIONS	MARK	DATE

SHEET NAME
REFLECTED CEILING PLAN

PROJECT NO. 2024-01

DATE JUNE 6, 2024

SHEET NO.

A1.4



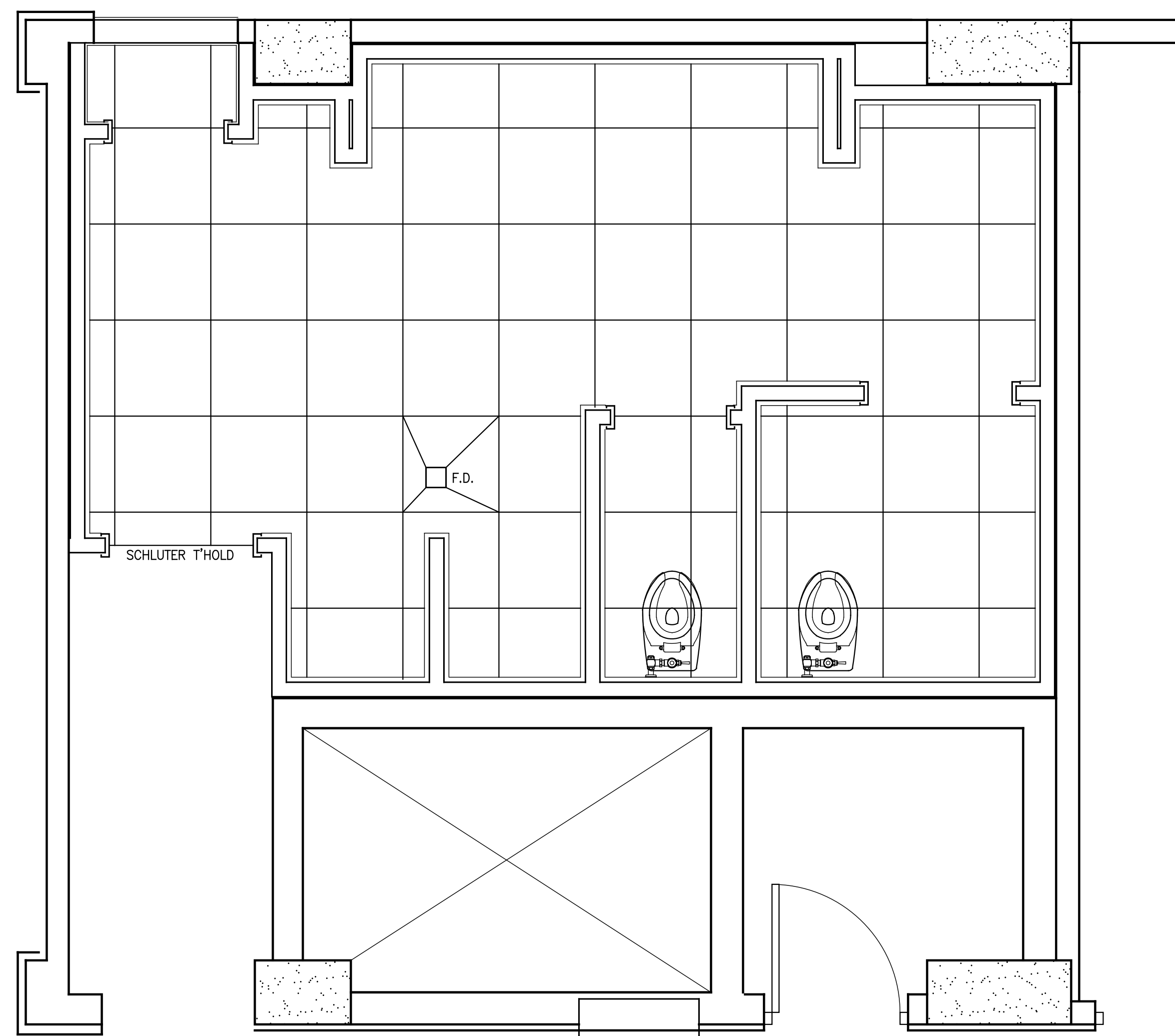
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4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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SHEET NAME
FLOOR PATTERN PLAN
PROJECT NO. 2024-01
DATE JUNE 6, 2024
SHEET NO.

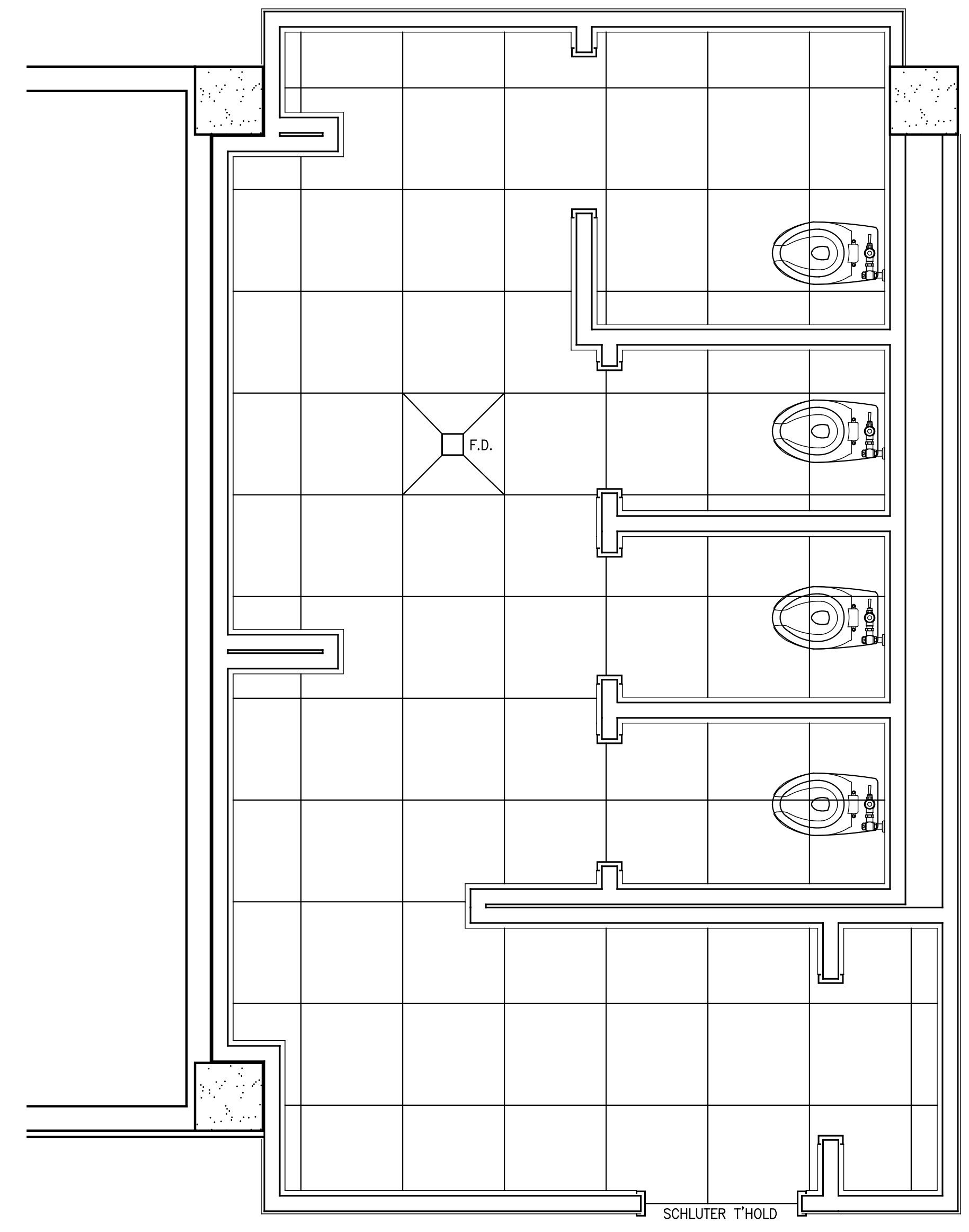
A1.5



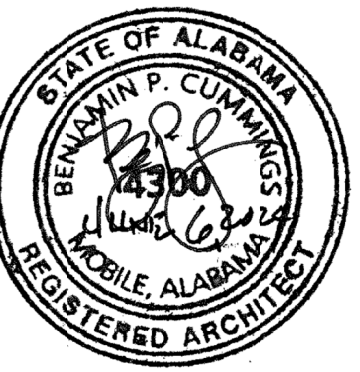
MEN'S FLOOR PATTERN PLAN
0 6" 1' 2' 3' 4' 5' 6'
SCALE: 1/2" = 1'-0"

NOTE: EXCEPT FOR THE TOILET STALLS, THE 2x2 FLOOR TILE GRID PATTERN SHALL MATCH THE GRID PATTERN OF THE CEILING.

NOTE: THE JOINTS OF THE WALL TILES SHALL ALIGN WITH THE JOINTS IN THE FLOOR TILE AND THE CEILING GRID.



WOMEN'S FLOOR PATTERN PLAN
0 6" 1' 2' 3' 4' 5' 6'
SCALE: 1/2" = 1'-0"



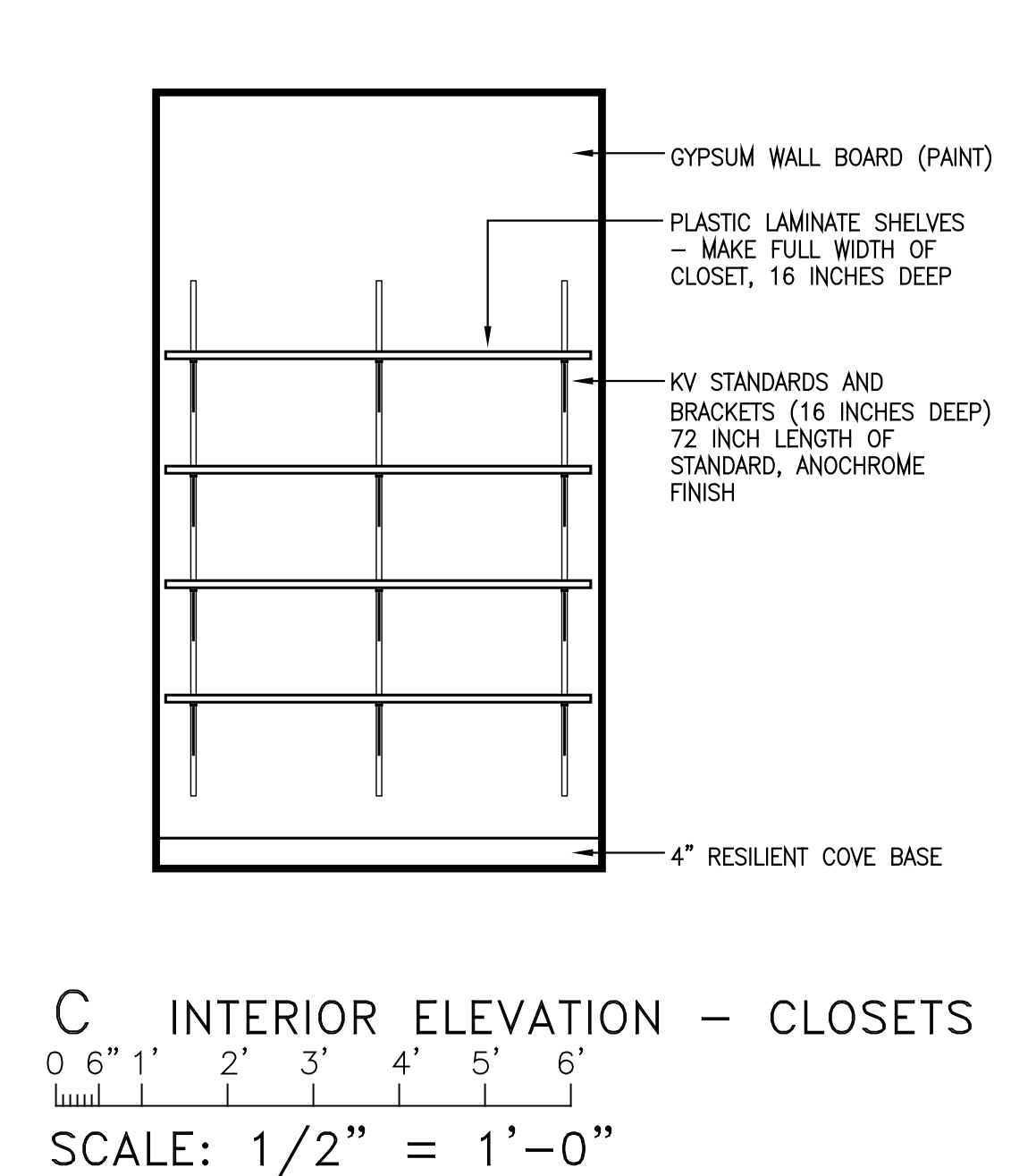
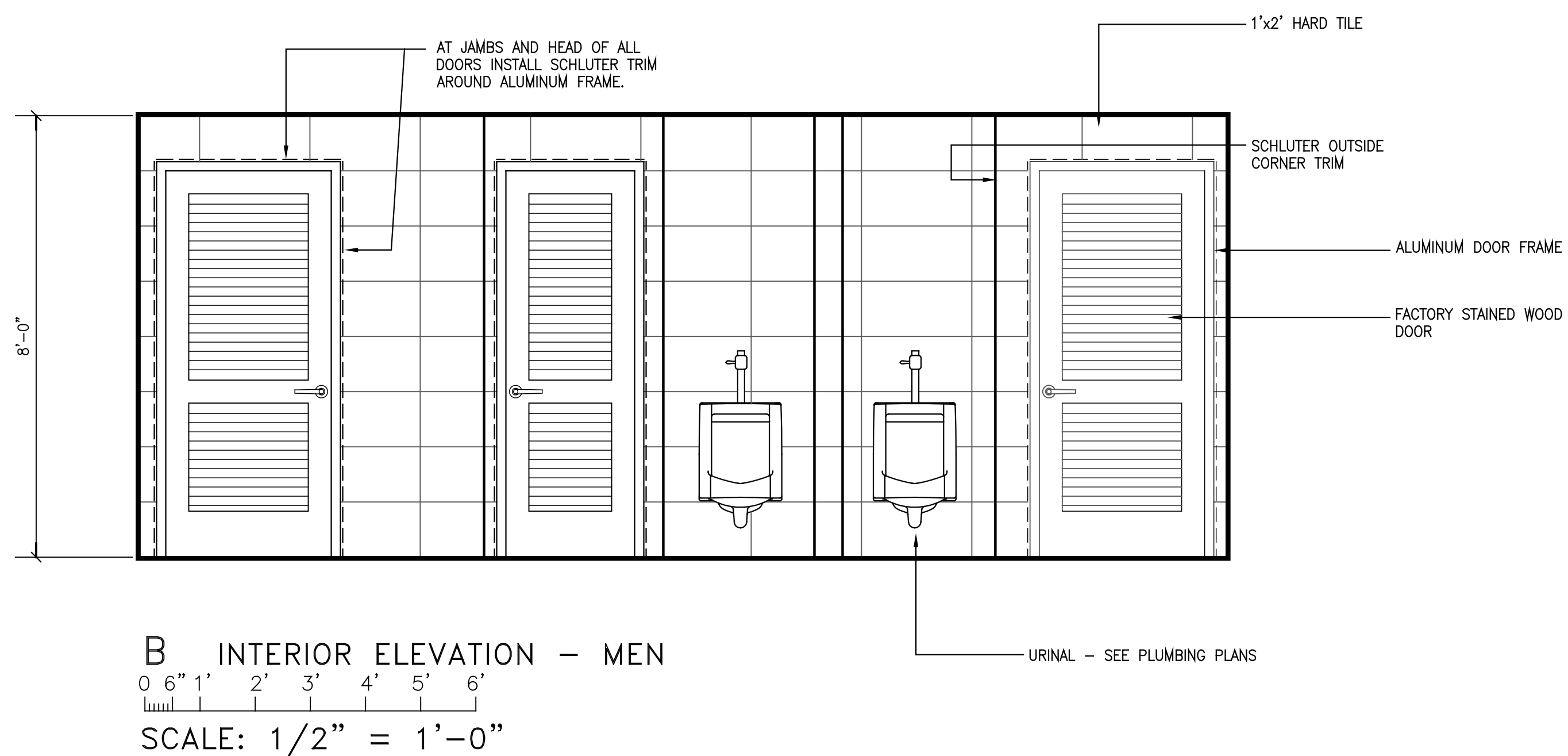
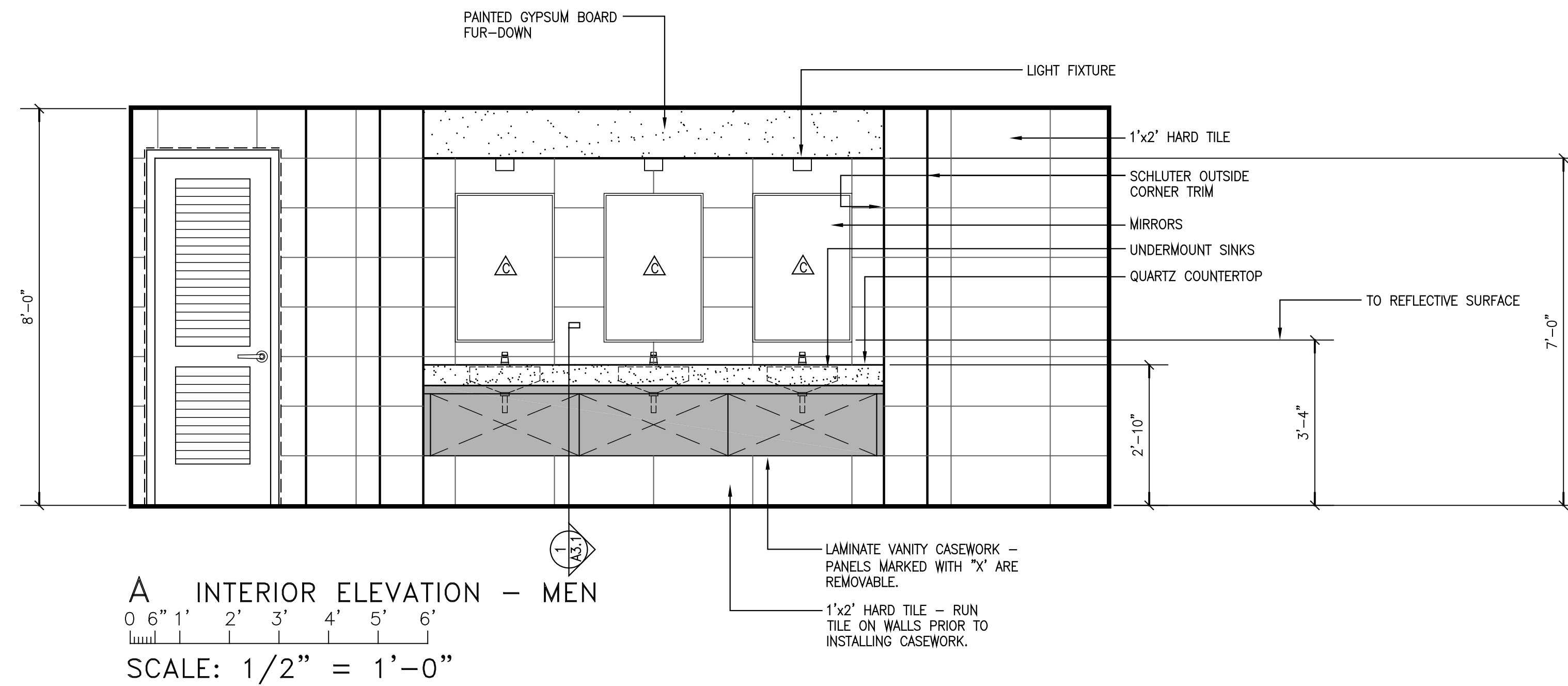
ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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SHEET NAME
RESTROOM INTERIOR ELEVATIONS
PROJECT NO. 2024-01
DATE JUNE 6, 2024
SHEET NO.

A2.1





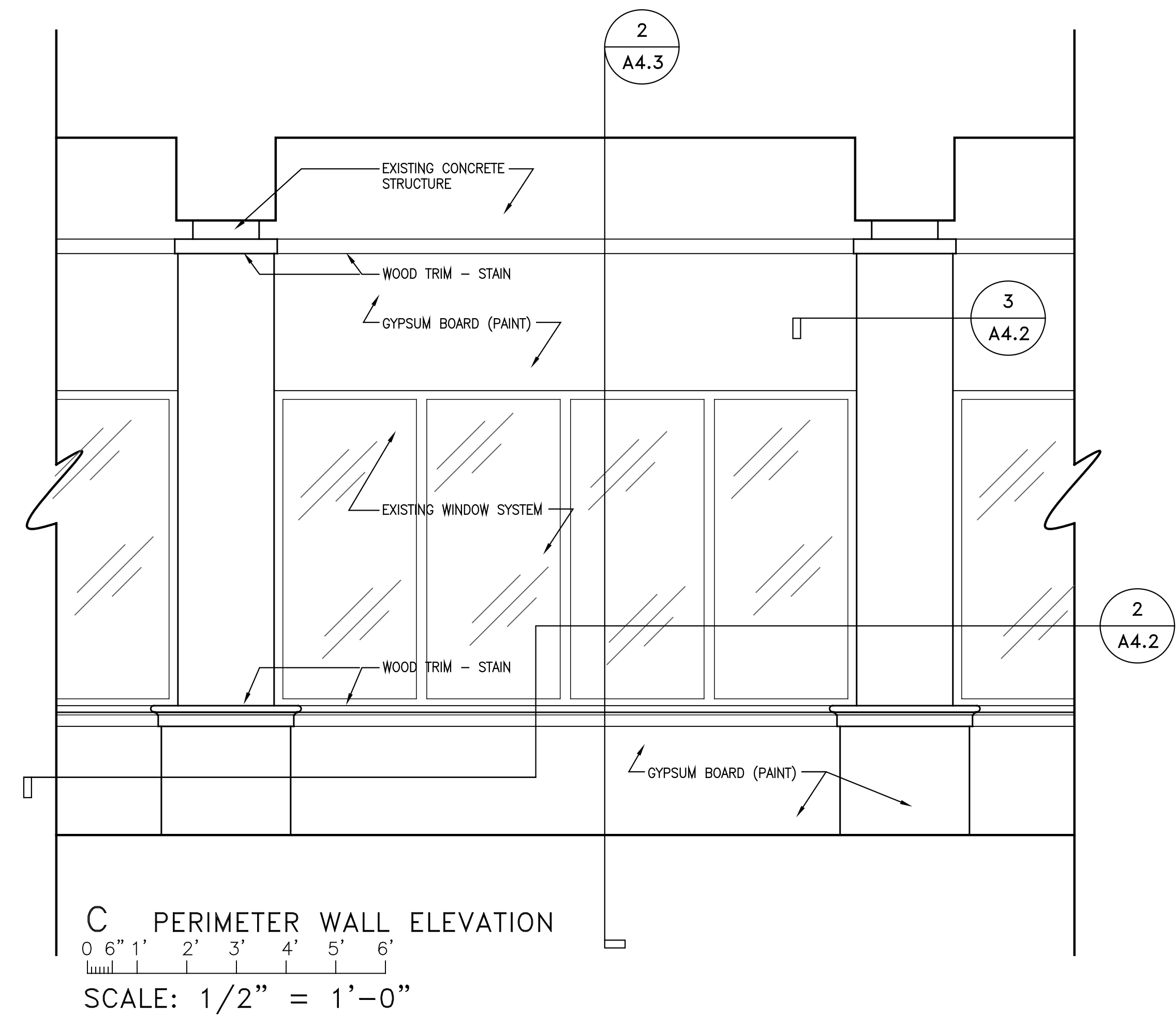
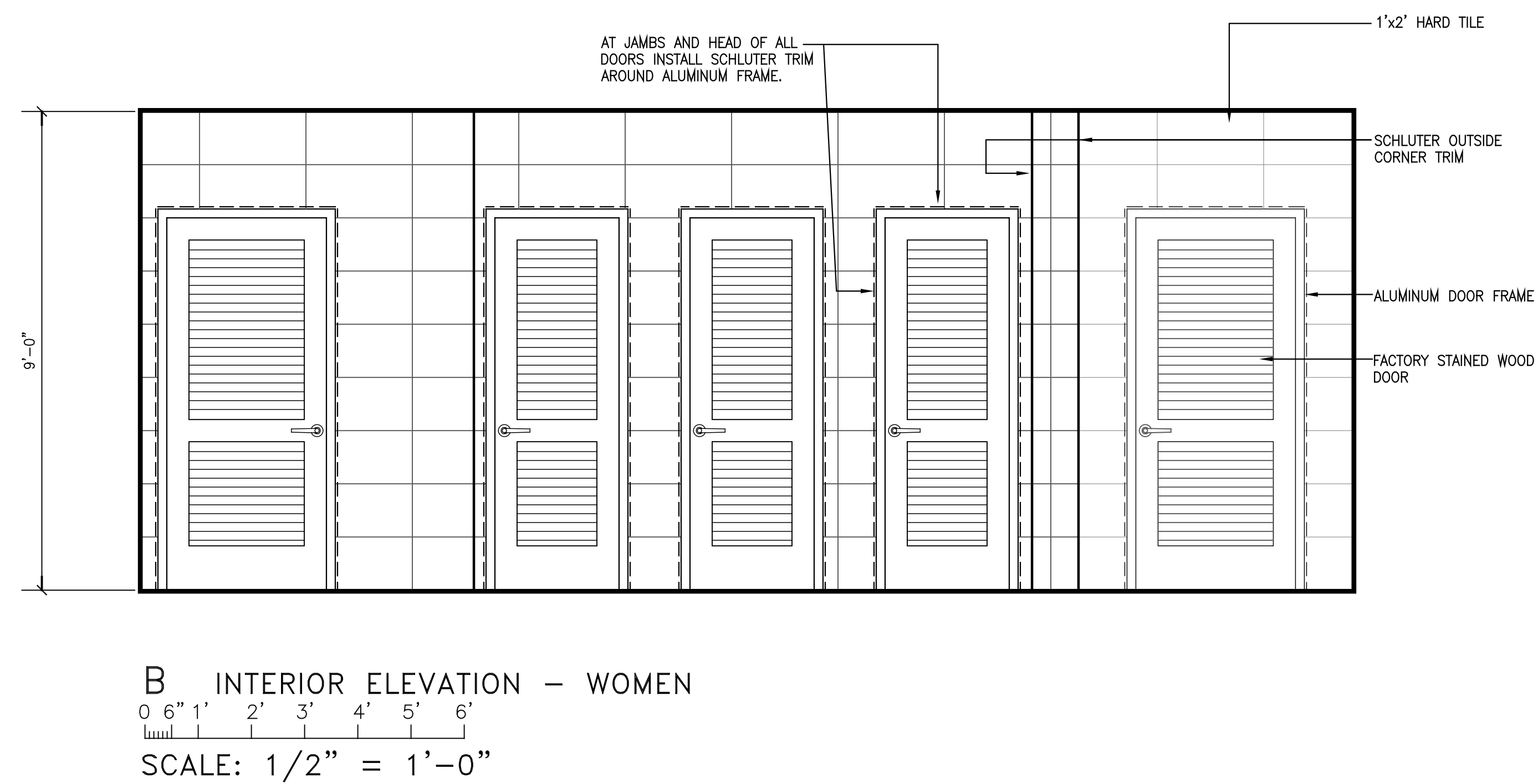
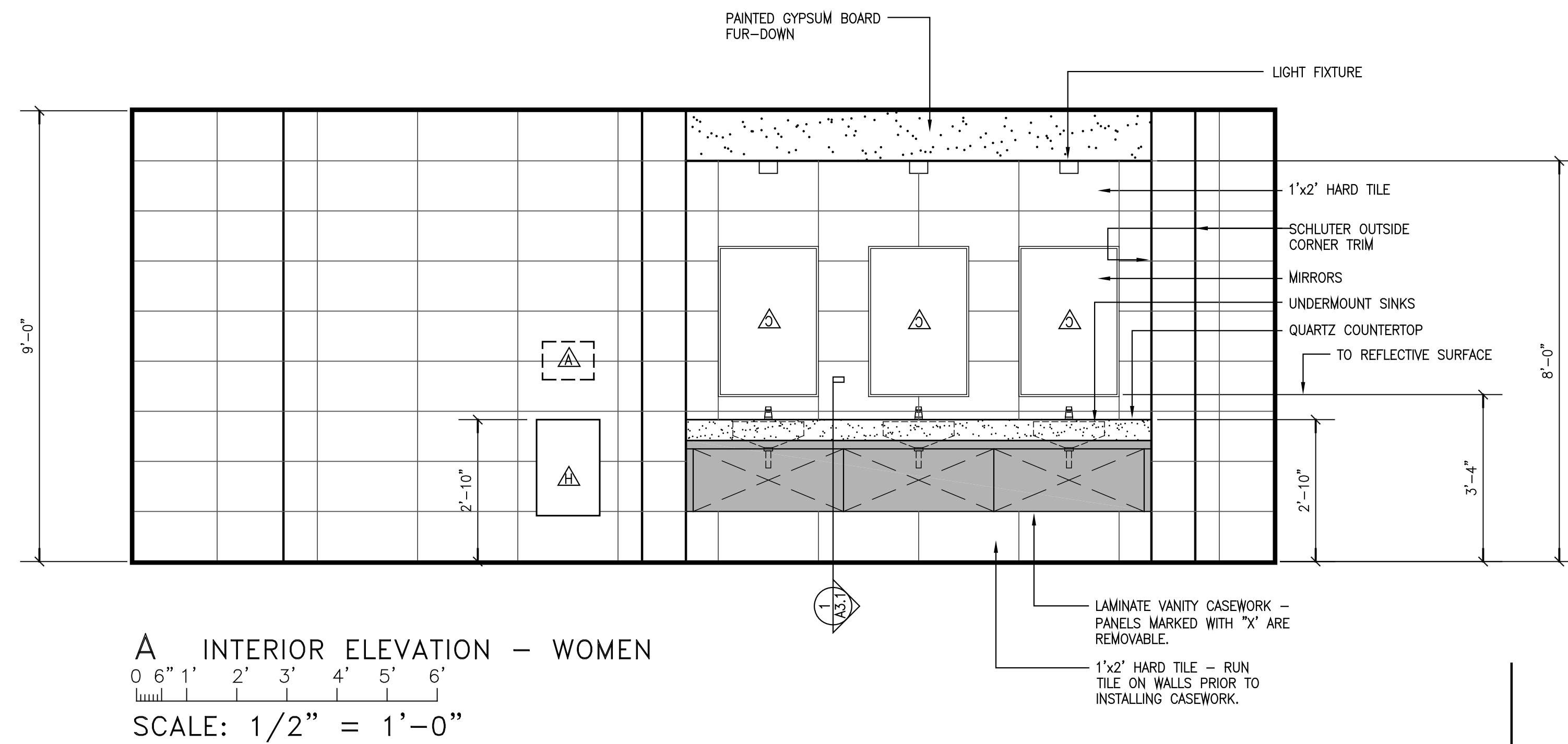
ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

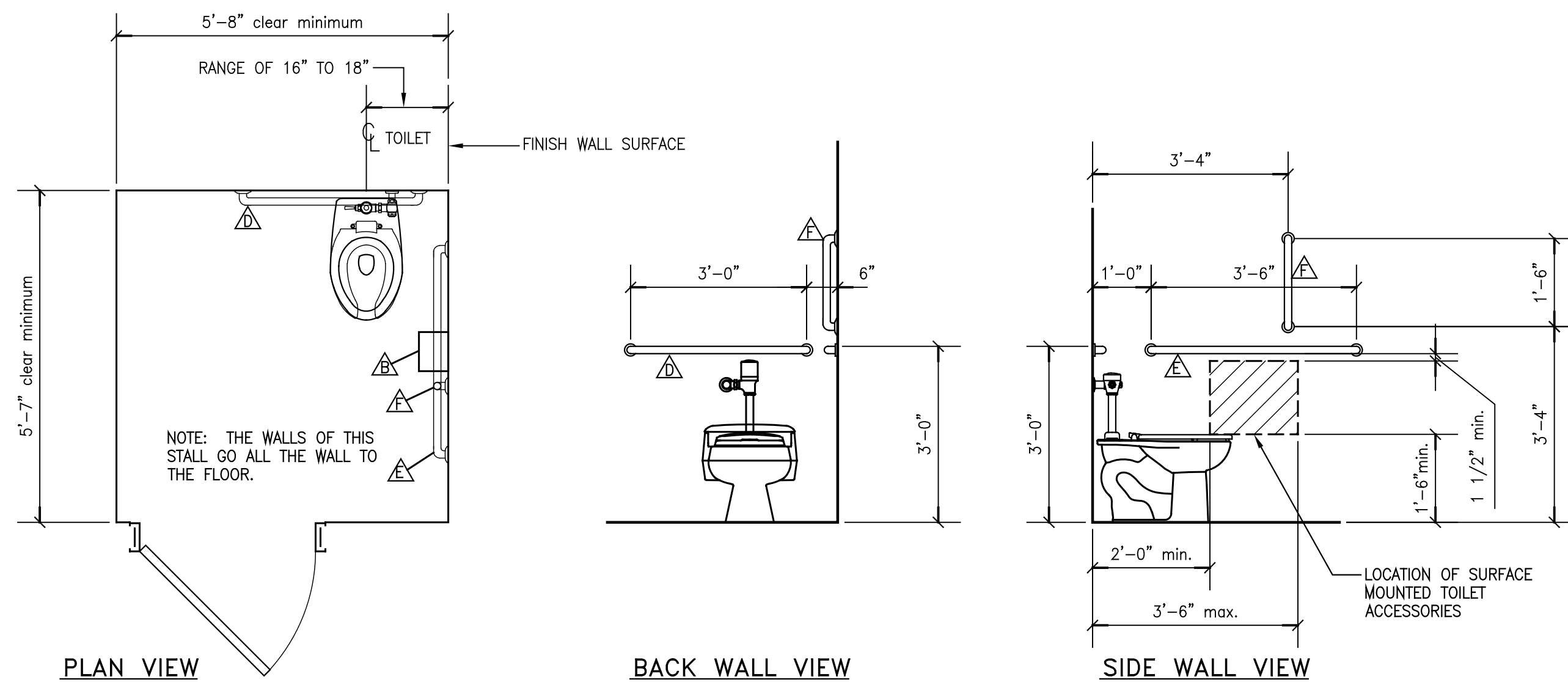
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SHEET NAME
RESTROOM INTERIOR ELEVATIONS
PROJECT NO. 2024-01
DATE JUNE 6, 2024
SHEET NO.

A2.2

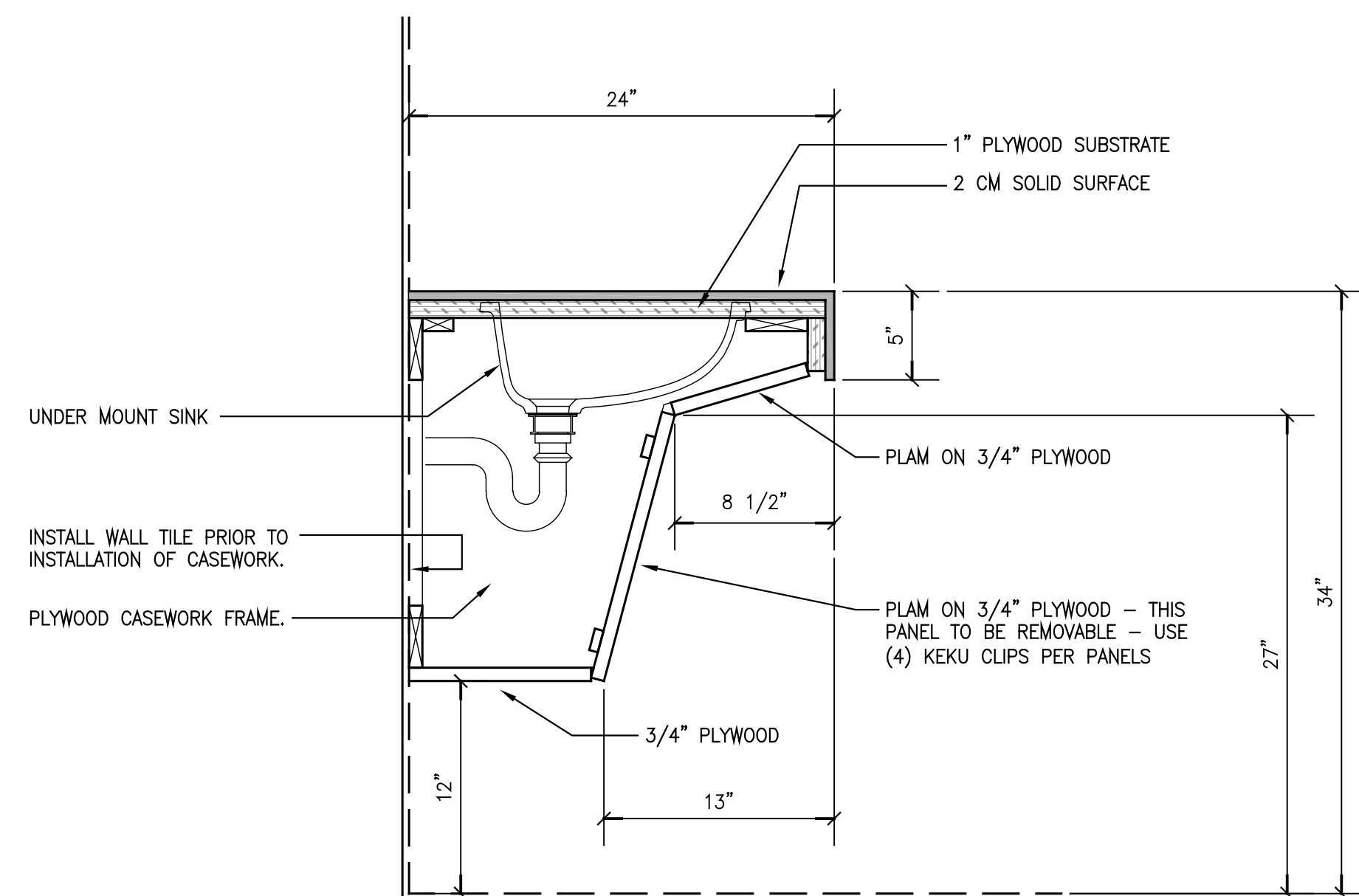




1 WHEELCHAIR TOILET COMPARTMENT

0 6" 1' 2' 3' 4' 5' 6'
SCALE: 1/2" = 1'-0"

ACCESSORY SCHEDULE			
KEY	DESCRIPTION	MANUFACTURER	MODEL NUMBER
△	PAPER TOWEL DISPENSER	FURNISHED AND INSTALLED BY OWNER	
△	TOILET TISSUE DISPENSER	FURNISHED AND INSTALLED BY OWNER	
△	MIRROR	BOBRICK	B-165 2436
△	36" GRAB BAR - STAINLESS STEEL	BOBRICK	B-5806-36
△	42" GRAB BAR - STAINLESS STEEL	BOBRICK	B-5806-42
△	18" GRAB BAR - STAINLESS STEEL	BOBRICK	B-5806-18
△	SANITARY NAPKIN DISPOSAL	BOBRICK	B - 270
△	SURFACE MOUNTED WASTE RECETACLE	BOBRICK	B - 277



2 VANITY DETAIL
SCALE: 1 1/2" = 1'-0"

FINISH SCHEDULE

- FLOOR**
HARD TILE (IN RESTROOMS, TOILET STALLS, AND CLOSETS)
- 24" x 24" HARD TILE: BPI - MILESTONE STONE, FARMHOUSE LIVING, ALABASTER MATTE
 - INSTALL NEW TILE USING SCHLUTER WATERPROOFING SYSTEM. INSTALL SCHLUTER DITRA ONTO SLAB. FLASH TO WALL USING KERDI BAND STRIPS. INSTALL PER MANUFACTURERS INSTRUCTIONS. USE BOSTIK BIG TILE & STONE POLYMER-MODIFIED LARGE & HEAVY TILE MORTAR. APPLY PER MANUFACTURERS INSTRUCTIONS.
 - FLOOR TILE AND WALL TILE GROUT LINES SHALL ALIGN. FLOOR PATTERN SHALL MATCH THE CEILING TILE PATTERN, MEANING THAT THE SQUARE PATTERN AT THE CEILING AND THE SQUARE PATTERN AT THE FLOOR SHALL BE THE SAME.
 - GROUT JOINT LINES TO BE 1/8".
 - GROUT SHALL BE BOSTIK 1900 EPOXY MODIFIED GROUT, COLOR: STORM H198
- WALLS**
HARD TILE (IN MEN AND WOMEN RESTROOMS AND STALLS)
- 12" x 24" HARD TILE: BPI - MILESTONE STONE, FARMHOUSE LIVING, ALABASTER MATTE
 - INSTALL NEW TILE USING SCHLUTER WATERPROOFING SYSTEM. INSTALL SCHLUTER KERDI PRODUCT OVER MOISTURE RESISTANT GYPSUM WALL BOARD. FLASH KERDI TO FLOOR USING KERDI BAND STRIPS. INSTALL PER MANUFACTURERS INSTRUCTIONS. USE BOSTIK BIG TILE & STONE POLYMER-MODIFIED LARGE & HEAVY TILE MORTAR.
 - FLOOR TILE AND WALL TILE GROUT LINES SHALL ALIGN.
 - GROUT JOINT LINES TO BE 1/8".
 - GROUT SHALL BE BOSTIK 1900 EPOXY MODIFIED GROUT, COLOR: STORM H198
- GYPSUM WALL BOARD (IN CLOSETS, FUR-DOWN ABOVE SINKS AND VESTIBULE)
- 5/8" MOISTURE RESISTANT GYPSUM WALL BOARD.
 - PRIME AND PAINT
 - SHEEN: EGGSHELL
 - COLOR: SHERWIN WILLIAMS, 6105 DIVINE WHITE
- SCHLUTER TRIM**
PROVIDE AND INSTALL SCHLUTER STAINLESS STEEL TRIM AT THE FOLLOWING LOCATIONS:
- FLOOR TO WALL (BASE): SCHLUTER DILEX AHK 1S 100
 - INSIDE CORNERS OF WALLS: SCHLUTER DILEX AHK 1S 100
 - OUTSIDE CORNERS OF WALLS AND END CAPS: SCHLUTER SCHIENE
 - AROUND DOOR FRAMES: SCHLUTER SCHIENE
 - PROVIDE INSIDE AND OUTSIDE CORNER TRIM PIECES.
- CEILINGS (IN RESTROOMS AND CLOSETS)**
2 x 2 ACOUSTIC SUSPENDED CEILING SYSTEM
- GRID: ARMSTRONG, PRELUDE XL 15/16", WHITE, 2x2
 - TILE CEILINGS: ARMSTRONG, 2x2, DUNE, 15/16" ANGLED TEGULAR EDGE
 - COORDINATE GRID LAYOUT WITH FLOOR TILE LAYOUT. THE CEILING GRID AND THE FLOOR TILE SHALL ALIGN.
- RESILIENT BASE (IN CLOSETS ONLY)**
4 INCH COVE BASE, JOHNSONITE, GREY HAZE WG
- LAVATORY COUNTER (IN RESTROOMS)**
COUNTERTOP AND BACKSPLASH: CORIAN QUARTZ, 2 CM THICK, VALENTE PEARL
SKIRT BELOW SINK: PLASTIC LAMINATE: FORMICA, NEUTRAL WHITE, 918-58 MATTE FINISH
- LAMINATE SHELVES (IN CLOSETS)**
PLASTIC LAMINATE: FORMICA, NEUTRAL WHITE, 918-58 MATTE FINISH



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SHEET NAME
FINISH SCHEDULE and DETAILS
PROJECT NO. 2024-01
DATE JUNE 6, 2024
SHEET NO.



ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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SHEET NAME

WALL SECTIONS

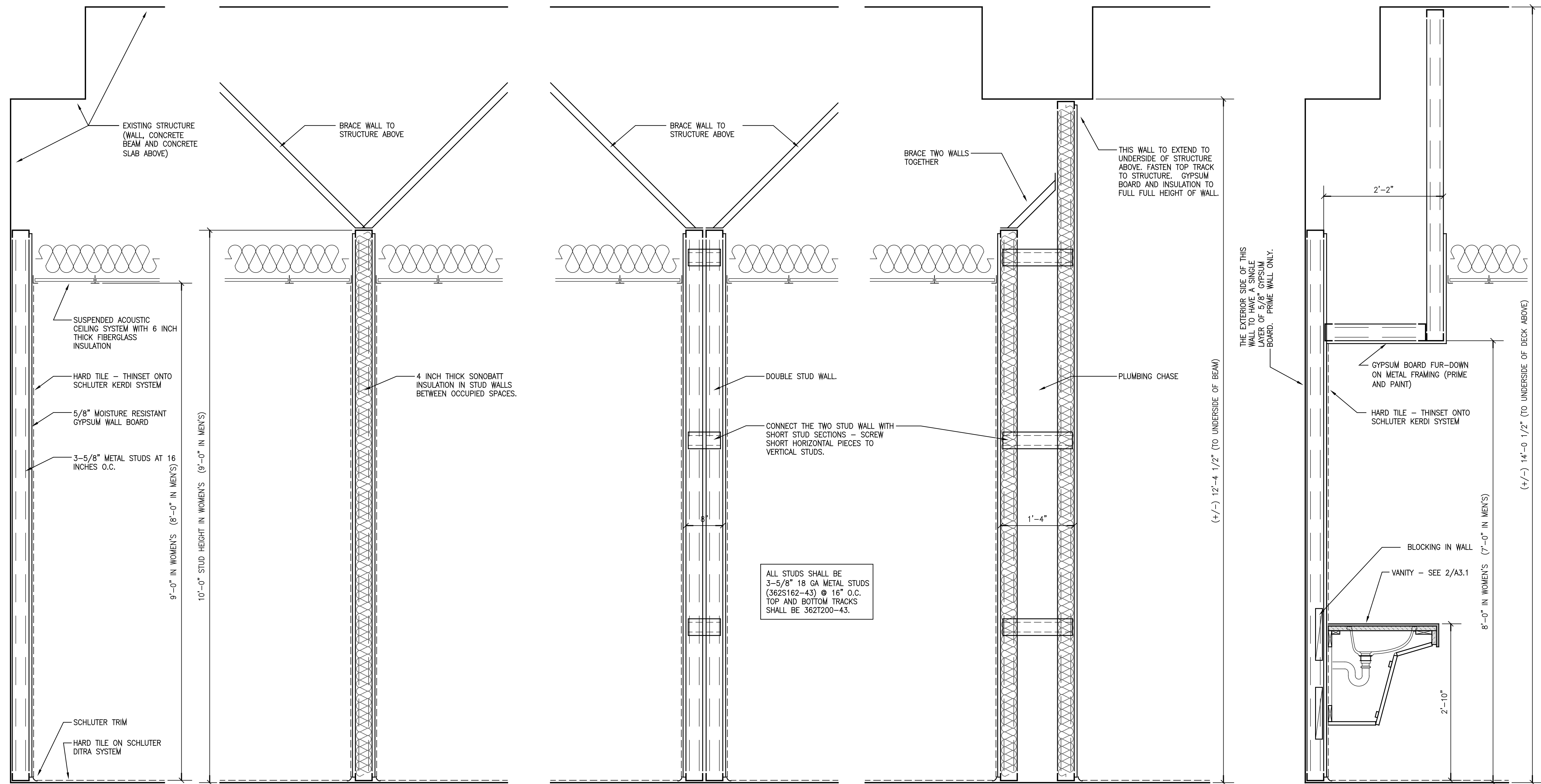
PROJECT NO. 2024-01

DATE JUNE 6, 2024

SHEET NO.

A4.1

ACTUAL SHEET SIZE IS 22" x 34"



1 WALL SECTION
SCALE: 1" = 1'-0"

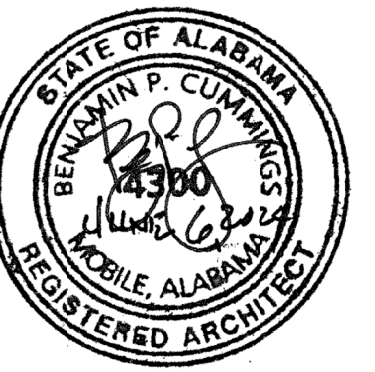
2 WALL SECTION
SCALE: 1" = 1'-0"

3 WALL SECTION
SCALE: 1" = 1'-0"

4 WALL SECTION
SCALE: 1" = 1'-0"

5 WALL SECTION
SCALE: 1" = 1'-0"

ALL STUDS SHALL BE 3-5/8" 18 GA METAL STUDS (362S162-43) @ 16" O.C. TOP AND BOTTOM TRACKS SHALL BE 362T200-43.



ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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SHEET NAME

WALL SECTIONS

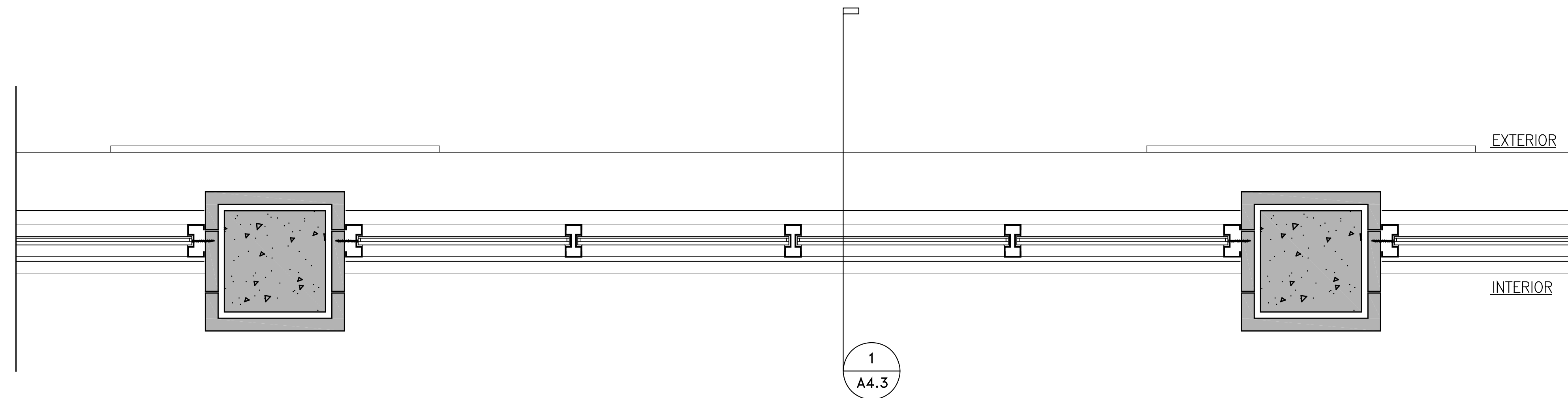
PROJECT NO. 2024-01

DATE JUNE 6, 2024

SHEET NO.

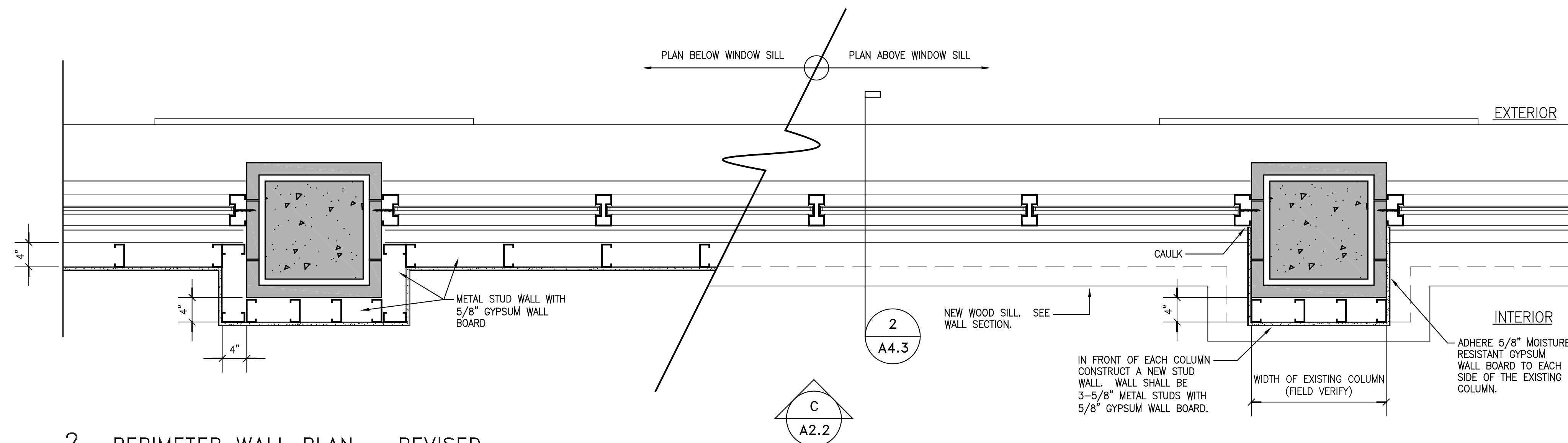
A4.2

ACTUAL SHEET SIZE IS 22" x 34"



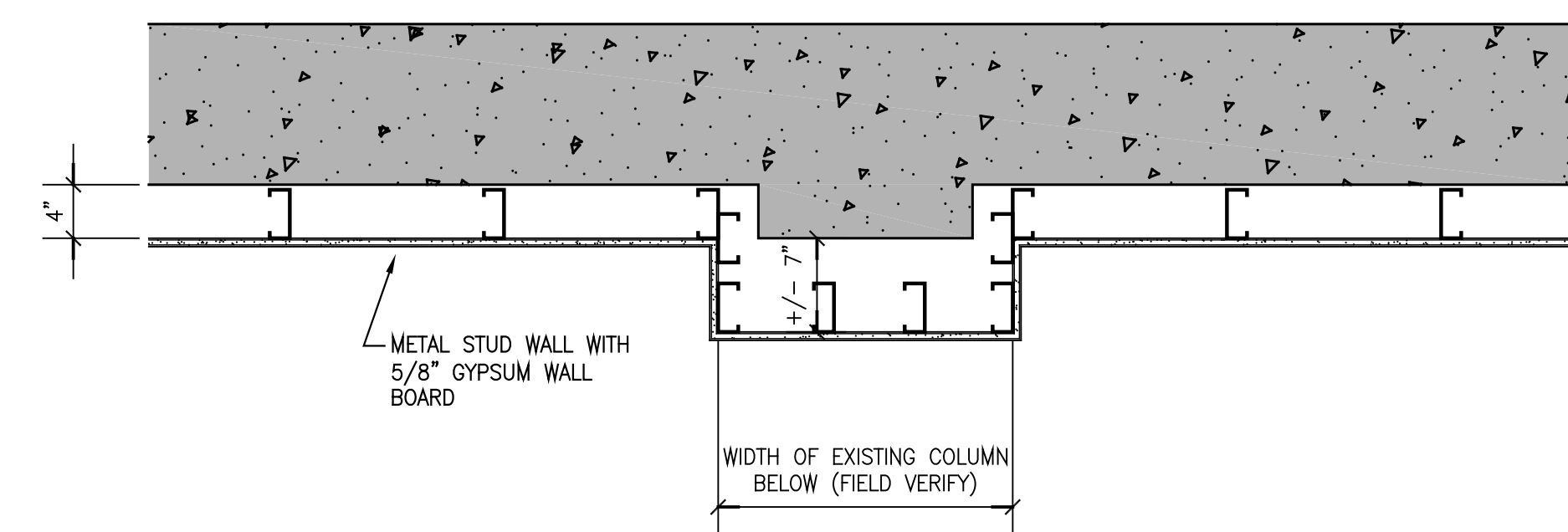
1 PERIMETER WALL PLAN - EXISTING

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



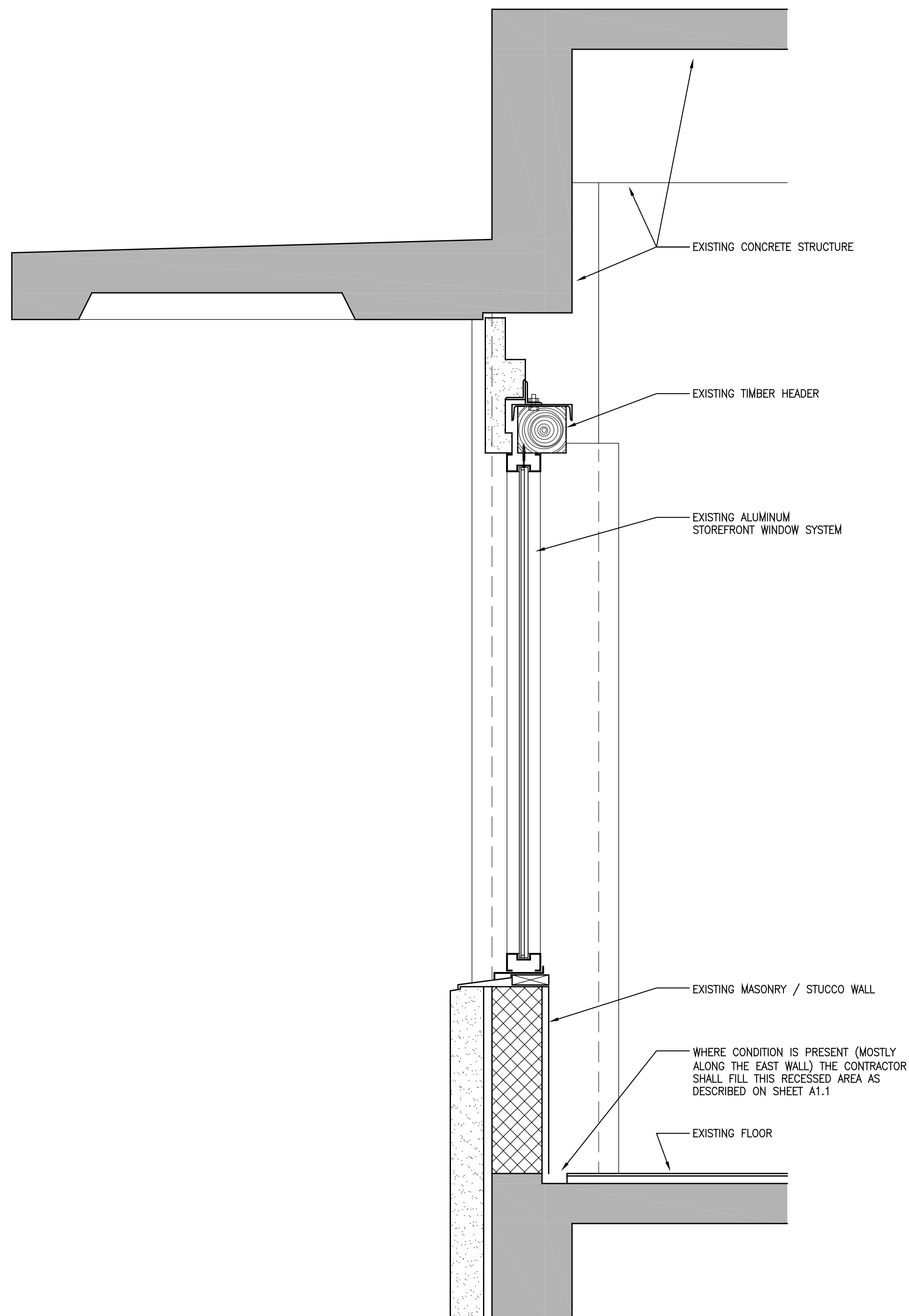
2 PERIMETER WALL PLAN - REVISED

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

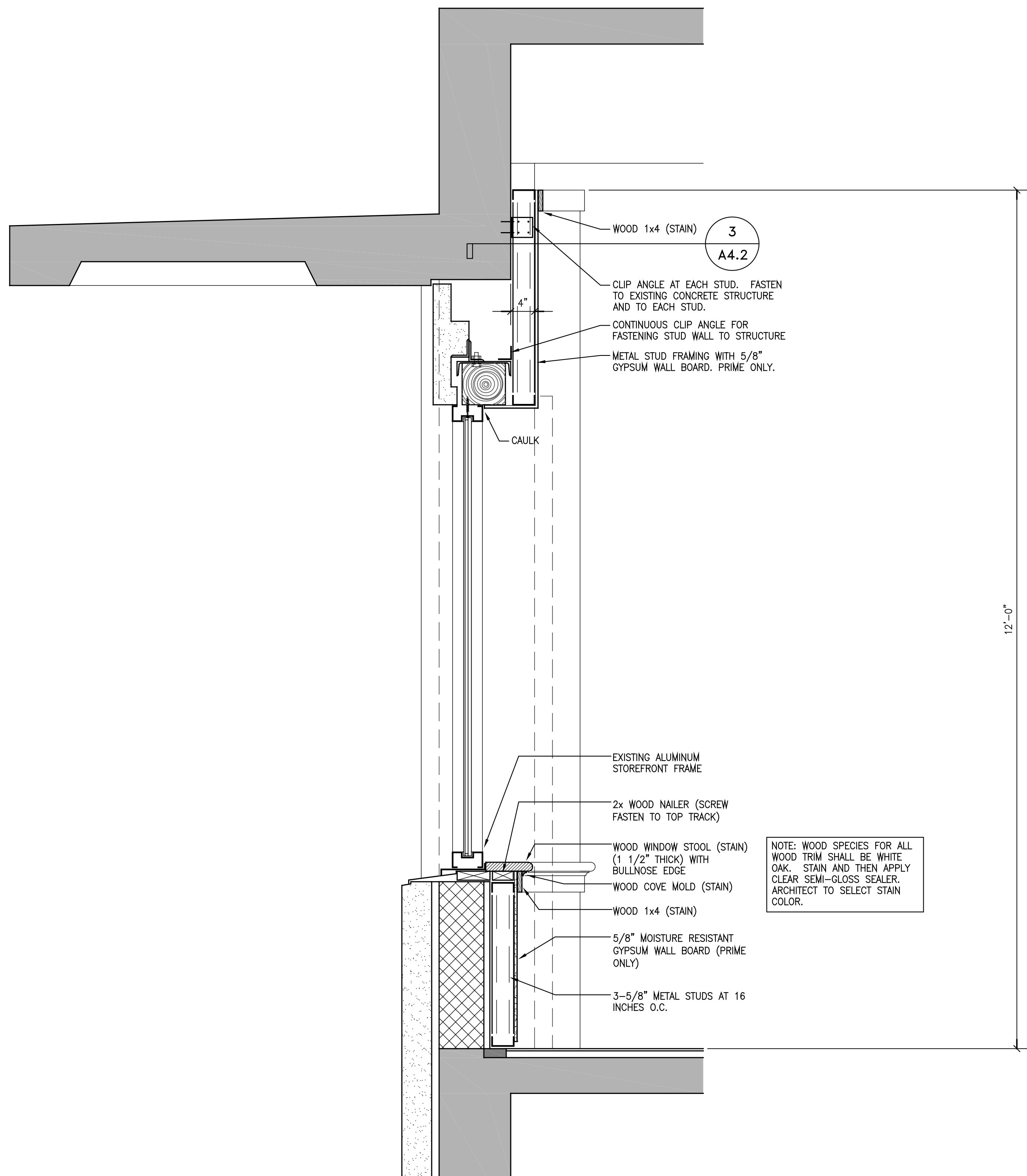


3 PERIMETER WALL PLAN - REVISED

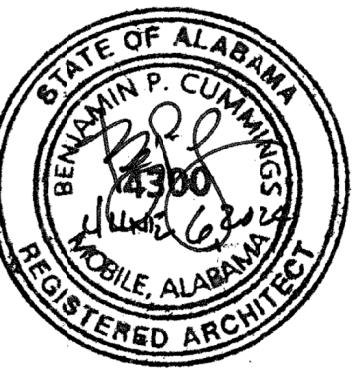
0 6" 1' 2' 3'
SCALE: 1" = 1'-0"



1 EXTERIOR WALL - EXISTING
 0 6" 1' 2' 3'
 SCALE: 1" = 1'-0"



2 EXTERIOR WALL - REVISED
 0 6" 1' 2' 3'
 SCALE: 1" = 1'-0"



ALABAMA STATE PORT AUTHORITY
 4th FLOOR INTERIOR - PHASE 1
 250 N. WATER STREET
 MOBILE, AL

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REVISIONS
MARK DATE

SHEET NAME
WALL SECTIONS

PROJECT NO. 2024-01
 DATE JUNE 6, 2024
 SHEET NO.

A4.3



ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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REVISIONS	
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SHEET NAME

DOOR SCHEDULE

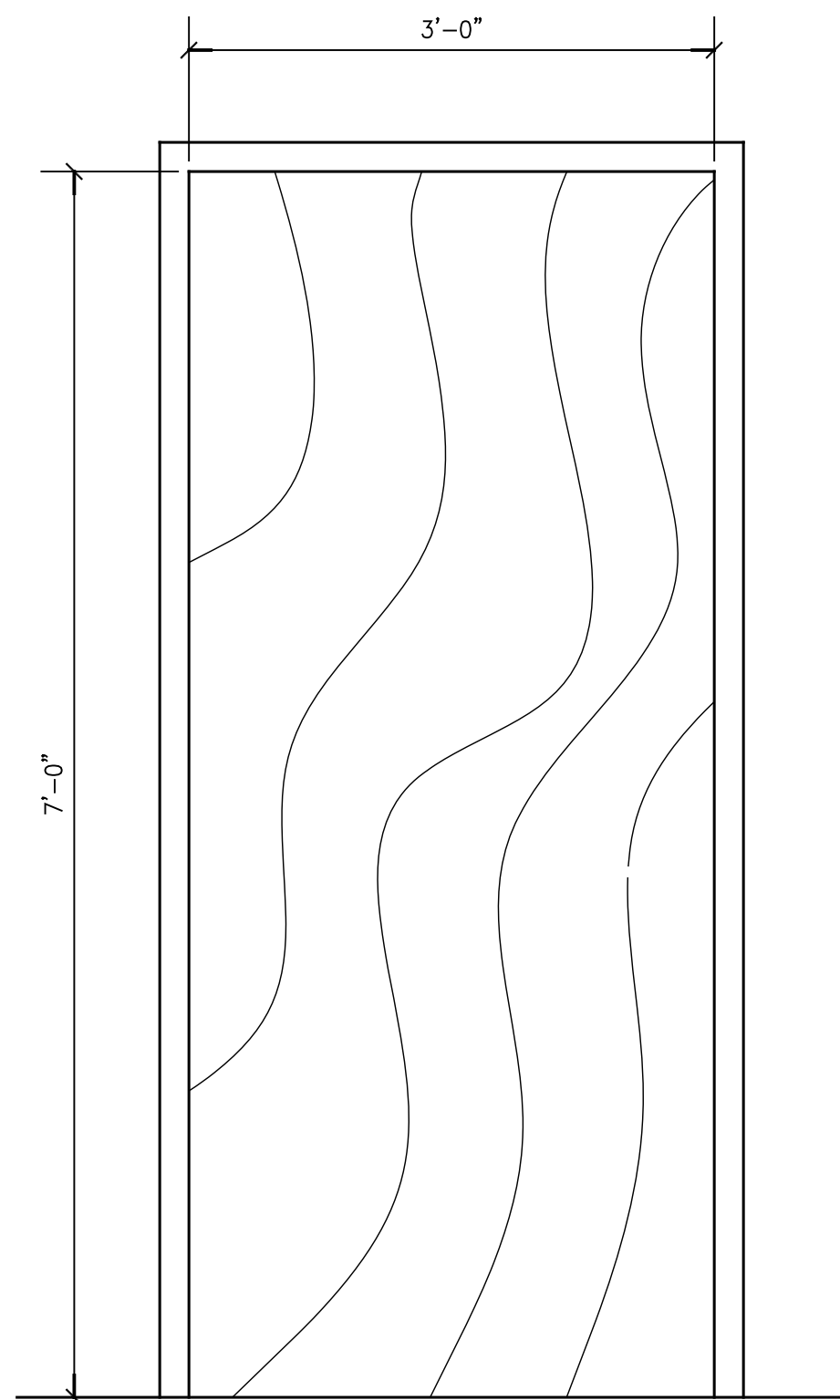
PROJECT NO. 2024-01

DATE JUNE 6, 2024

SHEET NO.

A5.1

ACTUAL SHEET SIZE IS 22" x 34"



DOOR TYPE D1

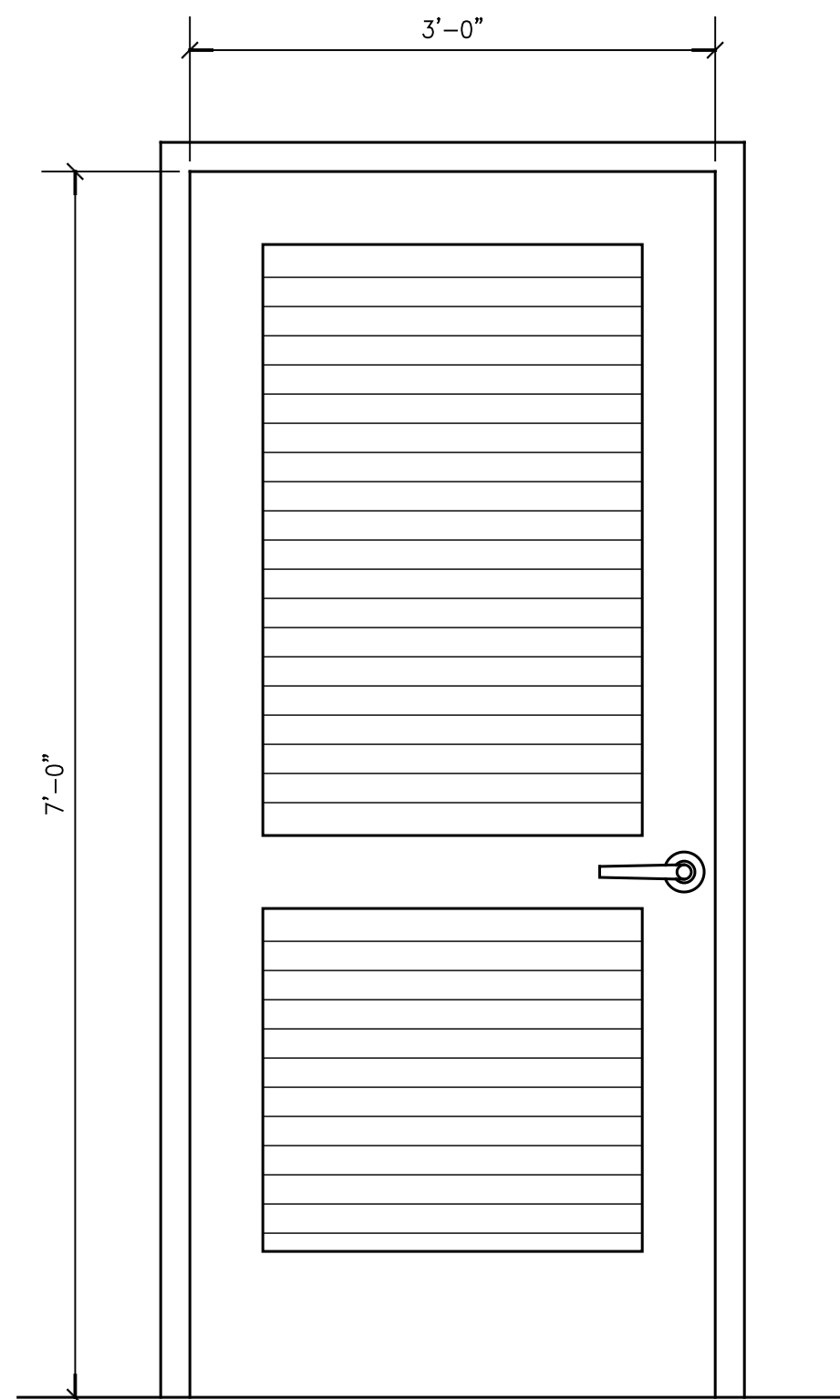
0 6" 1' 2' 3'
SCALE: 1" = 1'-0"

DOOR: 1.75" SOLID CORE WOOD, STAIN GRADE. SPECIES: WHITE OAK. STAIN AND SEAL. ARCHITECT TO SELECT COLOR.

FRAME: RACO INTERIORS, CLASSIC, FREESTANDING SINGLE EXTRUDED ALUMINUM FRAME FOR DRYWALL CONSTRUCTION (WALL THICKNESS IS 4-7/8"), WHITE PAINT FINISH. INSTALL PER MANUFACTURERS INSTRUCTIONS.

DOOR SWING: SEE FLOOR PLAN.

- HARDWARE:
- HINGES
 - VERTICAL PULL HANDLE
 - VERTICAL PUSH PLATE
 - CLOSER
 - (BRUSHED CHROME FINISH)



DOOR TYPE D2

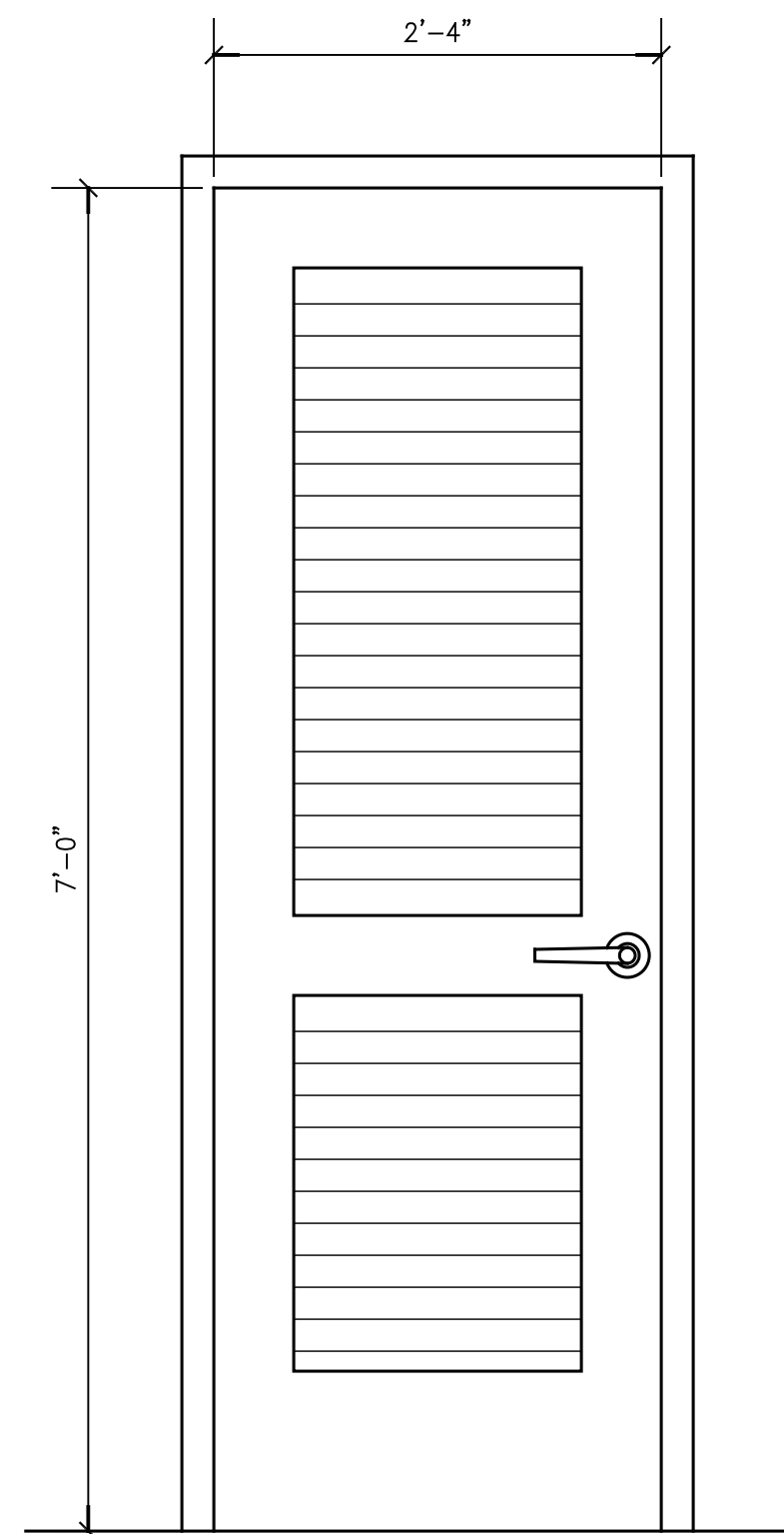
0 6" 1' 2' 3'
SCALE: 1" = 1'-0"

DOOR: 1.75" THICK WOOD STILE AND RAIL LOUVERED DOOR. SPECIES: WHITE OAK. STAIN AND SEAL. ARCHITECT TO SELECT COLOR.

FRAME: RACO INTERIORS, CLASSIC, FREESTANDING SINGLE EXTRUDED ALUMINUM FRAME FOR DRYWALL CONSTRUCTION (WALL THICKNESS IS 4-7/8"), WHITE PAINT FINISH. INSTALL PER MANUFACTURERS INSTRUCTIONS.

DOOR SWING: SEE FLOOR PLAN.

- HARDWARE:
- HINGES
 - LEVER HANDLE PASSAGE SET
 - (BRUSHED CHROME FINISH)



DOOR TYPE D3

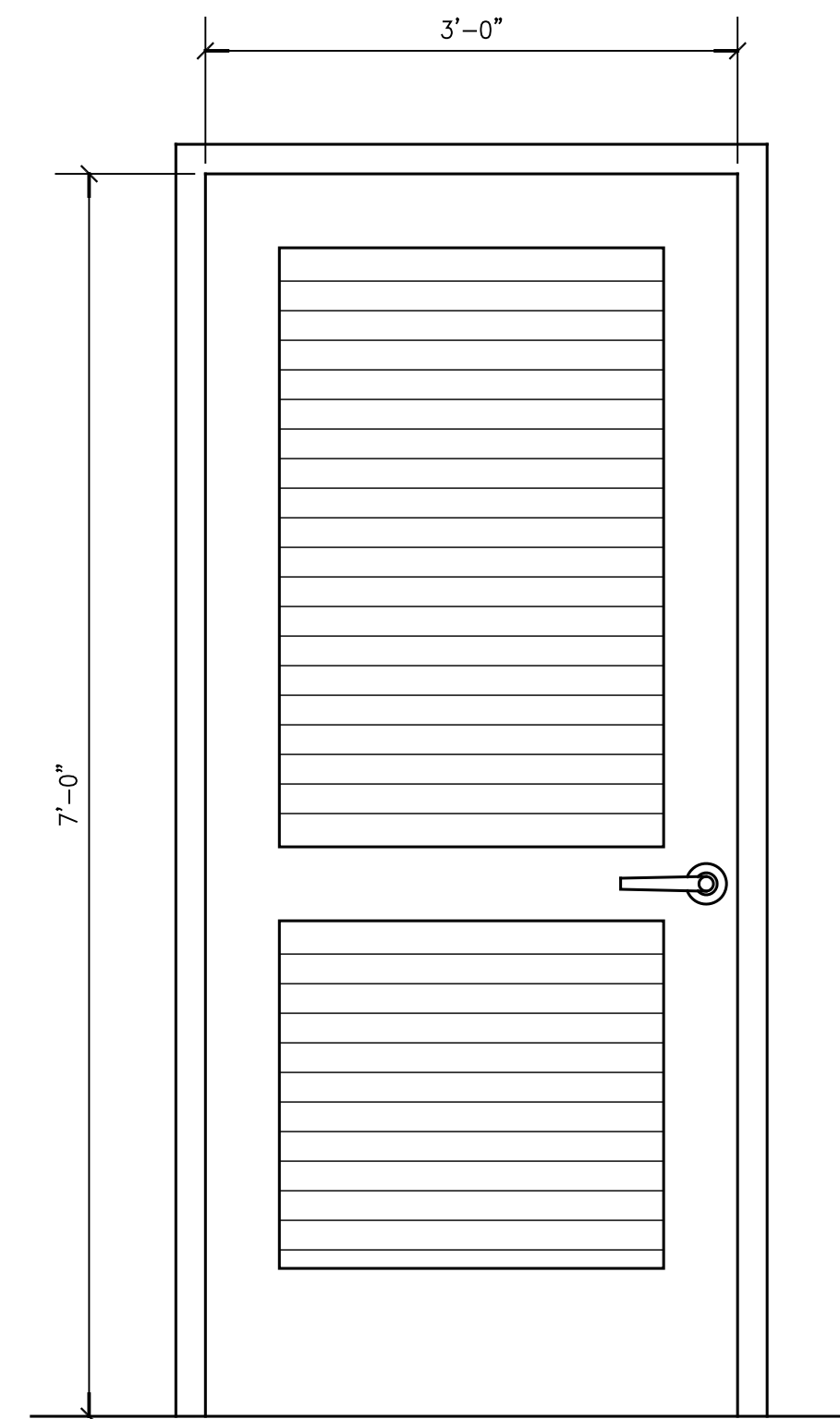
0 6" 1' 2' 3'
SCALE: 1" = 1'-0"

DOOR: 1.75" THICK WOOD STILE AND RAIL LOUVERED DOOR. SPECIES: WHITE OAK. STAIN AND SEAL. ARCHITECT TO SELECT COLOR.

FRAME: RACO INTERIORS, CLASSIC, FREESTANDING SINGLE EXTRUDED ALUMINUM FRAME FOR DRYWALL CONSTRUCTION (WALL THICKNESS IS 4-7/8"), WHITE PAINT FINISH. INSTALL PER MANUFACTURERS INSTRUCTIONS.

DOOR SWING: SEE FLOOR PLAN.

- HARDWARE:
- HINGES
 - LEVER HANDLE PRIVACY SET
 - CLOSER
 - COAT HOOK
 - (BRUSHED CHROME FINISH)



DOOR TYPE D4

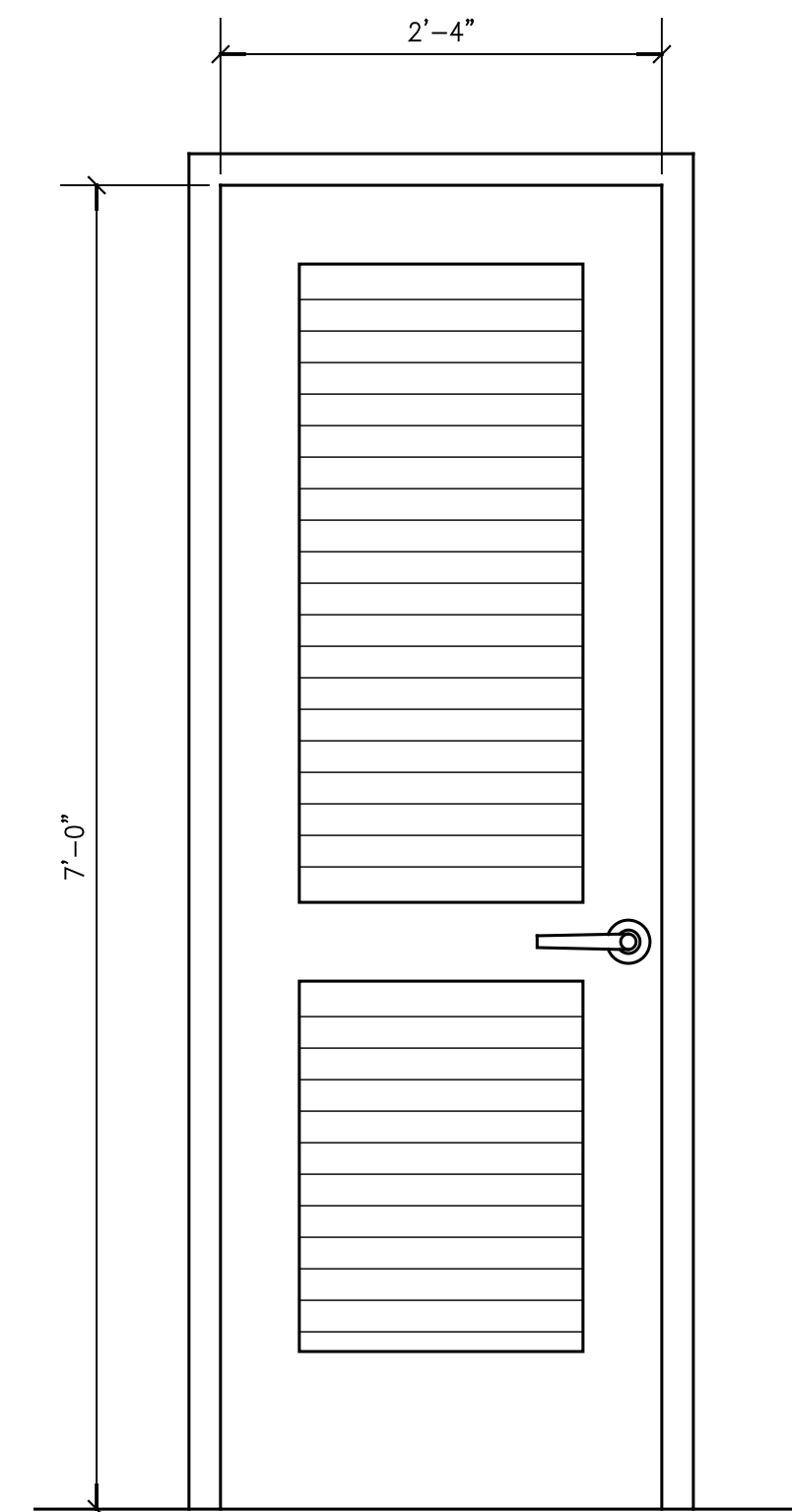
0 6" 1' 2' 3'
SCALE: 1" = 1'-0"

DOOR: 1.75" THICK WOOD STILE AND RAIL LOUVERED DOOR. SPECIES: WHITE OAK. STAIN AND SEAL. ARCHITECT TO SELECT COLOR.

FRAME: RACO INTERIORS, CLASSIC, FREESTANDING SINGLE EXTRUDED ALUMINUM FRAME FOR DRYWALL CONSTRUCTION (WALL THICKNESS IS 4-7/8"), WHITE PAINT FINISH. INSTALL PER MANUFACTURERS INSTRUCTIONS.

DOOR SWING: SEE FLOOR PLAN.

- HARDWARE:
- HINGES
 - LEVER HANDLE PRIVACY SET
 - CLOSER
 - COAT HOOK
 - (BRUSHED CHROME FINISH)



DOOR TYPE D5

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

DOOR: 1.75" THICK WOOD STILE AND RAIL LOUVERED DOOR. SPECIES: WHITE OAK. STAIN AND SEAL. ARCHITECT TO SELECT COLOR.

FRAME: RACO INTERIORS, CLASSIC, FREESTANDING SINGLE EXTRUDED ALUMINUM FRAME FOR DRYWALL CONSTRUCTION (WALL THICKNESS IS 4-7/8"), WHITE PAINT FINISH. INSTALL PER MANUFACTURERS INSTRUCTIONS.

DOOR SWING: SEE FLOOR PLAN.

- HARDWARE:
- HINGES
 - LEVER HANDLE PASSAGE SET
 - (BRUSHED CHROME FINISH)

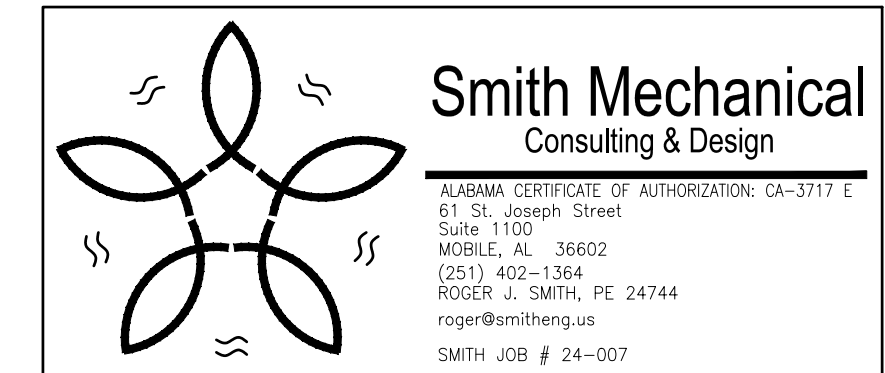
PLUMBING FIXTURE CONNECTION SCHEDULE

MARK #	FIXTURE TYPE	MANUFACTURER AND MODEL	CONNECTIONS				REMARKS	NOTES
			WASTE	VENT	CW	HW		
P-1	FLUSH VALVE WATER CLOSET	KOHLER K-96053 SLOAN ROYAL 111 SMOOTH	3"	2"	1"	-	VITREOUS CHINA, WHITE, 15" HIGH ELONGATED BOWL, FLOOR MOUNTED, TOP SPUD PROVIDE WITH WHITE OPEN FRONT SEAT WITHOUT COVER, AND SLOAN ROYAL BATTERY SENSOR FLUSH VALVE, 1.28 GALLONS PER FLUSH. PROVIDE FLUSH VALVE WITH CHROME PLATED TAIL PIECE EXTENDING FROM VALVE DOWN TO WATER CLOSET AND WALL BRACE. INSTALL PER SPECIFIC MANUFACTURER'S RECOMMENDATIONS.	③
P-1A	FLUSH VALVE WATER CLOSET (HC)	KOHLER K-25076-SS SLOAN ROYAL 111 SMOOTH	3"	2"	1"	-	VITREOUS CHINA, WHITE, 17" HIGH ELONGATED BOWL, FLOOR MOUNTED, TOP SPUD PROVIDE WITH WHITE OPEN FRONT SEAT WITHOUT COVER, AND SLOAN ROYAL BATTERY SENSOR FLUSH VALVE, 1.28 GALLONS PER FLUSH. PROVIDE FLUSH VALVE WITH CHROME PLATED TAIL PIECE EXTENDING FROM VALVE DOWN TO WATER CLOSET AND WALL BRACE. INSTALL PER SPECIFIC MANUFACTURER'S RECOMMENDATIONS. INSTALL PER ADA REQUIREMENTS.	① ③
P-2	URINAL	KOHLER K-4991-ET SLOAN ROYAL 186 SMOOTH	3"	2"	3/4"	-	VIT. CHINA, WHITE, WALL HUNG, BATTERY POWERED SENSOR FLUSH VALVE TYPE. FLUSH VALVE, 0.5 GALLONS PER FLUSH. PROVIDE SLOAN ROYAL BATTERY SENSOR FLUSH VALVE WITH CHROME PLATED TAIL PIECE EXTENDING DOWN FROM FLUSH VALVE TO TOP OF URINAL. PROVIDE WITH FLOOR MOUNTED CARRIER. INSTALL PER SPECIFIC MANUFACTURER'S RECOMMENDATIONS.	③
P-2A	URINAL (HC)	KOHLER K-4991-ET SLOAN ROYAL 186 SMOOTH	3"	2"	3/4"	-	VIT. CHINA, WHITE, WALL HUNG, BATTERY POWERED SENSOR FLUSH VALVE TYPE. FLUSH VALVE, 0.5 GALLONS PER FLUSH. PROVIDE SLOAN ROYAL BATTERY SENSOR FLUSH VALVE WITH CHROME PLATED TAIL PIECE EXTENDING DOWN FROM FLUSH VALVE TO TOP OF URINAL. PROVIDE WITH FLOOR MOUNTED CARRIER. INSTALL PER SPECIFIC MANUFACTURER'S RECOMMENDATIONS. INSTALL PER ADA REQUIREMENTS.	① ③
P-3	LAVATORY (HC)	CORIAN ELEMENTS 8254 SLOAN SF-2150 - 0.5 GPM	2"	2"	1/2"	1/2"	SEE ARCHITECTURAL PLANS FOR COUNTER TYPE. PROVIDE UNDERMOUNT, ADA APPROVED LAVATORY EQUAL TO CORIAN ELEMENTS 8254. 19-1/2"x14-3/8" UNDERMOUNT LAVATORY WITH DRAIN LOCATED TOWARD THE BACK OF THE FIXTURE TO ALLOW FOR ADA INSTALLATION. SEE ARCHITECTURAL PLANS FOR ADDITIONAL LAVATORY INSTALLATION REQUIREMENTS. PROVIDE WITH SLOAN BATTERY SENSOR FAUCET WITH ASSE 1070 MIXING VALVE. PROVIDE WITH NEW OFFSET P-TRAP, FLEXIBLE SUPPLIES, AND STOPS. COORDINATE TRAP COVER INSTALLATION WITH GENERAL CONTRACTOR. INSTALL PER ADA REQUIREMENTS.	① ② ③
3" FD	FLOOR DRAIN	ZURN Z415B	3"	2"	-	-	CAST IRON FLOOR DRAIN WITH SQUARE POLISHED NICKEL BRONZE GRATE. PROVIDE FLOOR DRAIN WITH "GREEN DRAIN" TRAP SEAL.	

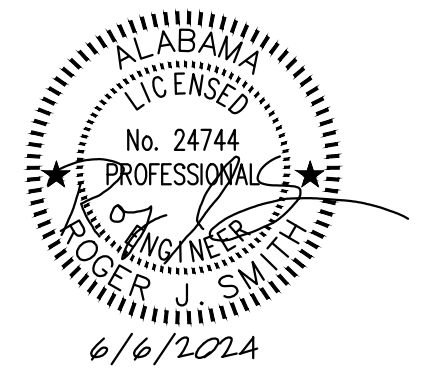
① HANDICAPPED FIXTURES SHALL BE INSTALLED PER THE LATEST REQUIREMENTS OF ADA.

② PROVIDE ALL LAVATORIES WITH ASSE 1070 TEMPERATURE LIMITING VALVE. SEE DETAIL FOR INSTALLATION REQUIREMENTS.

③ KOHLER, SLOAN, AND CORIAN ELEMENTS ARE THE FIXTURES BASIS OF DESIGN. SUBMIT ALL OTHER ALTERNATES FOR REVIEW AND PRIOR APPROVAL A MINIMUM OF 14 DAYS BEFORE BID DATE.



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TEL 251.433.9600



ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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REVISIONS

MARK	DATE

SHEET NAME

PLUMBING SCHEDULES & NOTES

PROJECT NO. 2024-01

DATE JUNE 6, 2024

SHEET NO.

P1.0

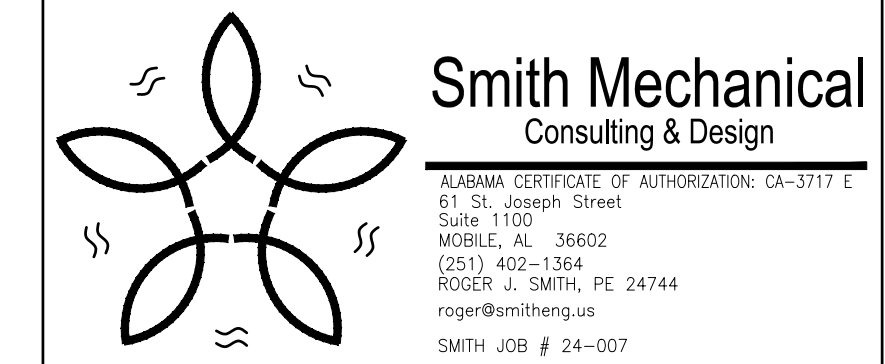
ACTUAL SHEET SIZE IS 22" x 34"

GENERAL PLUMBING NOTES

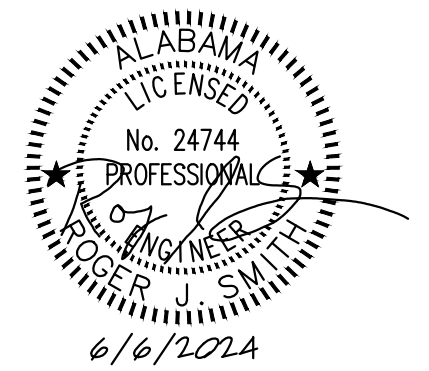
- THE CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH A MINIMUM INTERFERENCE WITH OTHER TRADES.
- VERIFY EXACT PLUMBING FIXTURE ROUGH-IN AND FINAL HVAC EQUIPMENT REQUIREMENTS IN THE FIELD.
- DRAIN, WASTE, AND VENT PIPING AND FITTINGS SHALL BE STANDARD WEIGHT CAST IRON. CEILING IS A RETURN AIR PLENUM. NO PVC PRODUCTS ARE ALLOWED.
- DOMESTIC WATER PIPING SHALL BE ASTM B 88, TYPE K, WITH ANSI B16.18 OR ANSI B16.22 SOLDER JOINT FITTINGS USING SILVER SOLDER AND FLUX CONTAINING NOT MORE THAN 0.2 PERCENT LEAD, OR WITH ANSI B16.26 FLARED JOINT FITTINGS. ASTM B 88, TYPE L MAY BE PROVIDED FOR ABOVEGROUND PIPING. SLEEVE SERVICE ENTRANCE AT SLAB. SEAL AROUND PIPING WATER PROOF.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS TO PLUMBING FIXTURES. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING ALL TRAPS, DRAINS, AND SUPPLIES WITH STOPS. FURNISH AND INSTALL PLUMBING FIXTURES INDICATED OR SPECIFIED, COMPLETE WITH ALL EQUIPMENT, FITTINGS, TRIM AND ACCESSORIES INDICATED OR SPECIFIED. EXPOSED WATER PIPING TO FIXTURES SHALL BE CHROME-PLATED BRASS, IPS. ADJUST WATER FLOW THROUGH ALL FIXTURES TO PROVIDE PROPER FLUSHING ACTION WITH THE LEAST AMOUNT OF WATER.
- COORDINATE ROUTING OF WATER SUPPLY, WASTE, AND VENT PIPING WITH OTHER TRADES.
- THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES ALL REQUIRED OPENINGS AND EXCAVATIONS.
- FLOOR CLEANOUTS SHALL BE ADJUSTABLE HEIGHT POLISHED BRONZE, NICKEL BRONZE WITH "CO" CAST IN THE FLOOR PLATE.
- PROVIDE STOPS AND WATER HAMMER ARRESTORS IN ACCORDANCE WITH PDI AND ASSE 1010. AN ACCESS PANEL MUST BE INSTALLED IF WATER HAMMER ARRESTER IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. COORDINATE OPENINGS WITH ARCHITECT.
- PROVIDE DIELECTRIC UNIONS AT ALL DISSIMILAR METAL CONNECTIONS.
- INSULATE ALL WATER PIPING. DOMESTIC WATER PIPE NOT EXPOSED TO VIEW SHALL BE INSULATED WITH 1" THICK GLASS FIBER WITH FACTORY APPLIED UNIVERSAL JACKET. DENSITY SHALL BE 4 POUNDS PER CUBIC FOOT. FITTINGS SHALL BE INSULATED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. INSULATION VAPOR BARRIER SHALL BE LAPPED AND CEMENTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DOMESTIC WATER PIPE EXPOSED TO VIEW SHALL BE INSULATED SAME AS WHERE NOT EXPOSED TO VIEW, EXCEPT IT SHALL BE FINISHED WITH A SIZED UNIVERSAL JACKET SUITABLE FOR PAINTING. FITTING SHALL BE MADE OF "QUICKSET" CEMENT MOLDED TO FIT AND COVERED WITH 8 OZ. CANVAS AND FINISHED WITH WHITE VAPOR BARRIER CEMENT, AND HAVE PLASTIC MOLDED FITTING COVERS. INSULATE DOMESTIC WATER AND WASTE PIPING UNDER HANDICAP LAVATORIES AND SINKS USING "LAVGUARD2 E-Z SERIES" MOLDED VINYL PIPING COVERS. COVER ALL PIPING, FITTING, VALVES, AND TRAPS EXPOSED TO VIEW.
- ROUTE ALL PIPING AS TO CAUSE MINIMAL INTERFERENCE FOR MAINTENANCE OF ALL EQUIPMENT. UNLESS OTHERWISE NOTED, ALL DOMESTIC WATER PIPING SHALL BE ROUTED WITHIN CHASE SPACE. PIPING BELOW SLAB SHALL BE WITHOUT JOINTS AND TEES. PIPING PASSING THRU WALLS EXTENDING TO BOTTOM OF STRUCTURE SHALL BE SLEEVED AND SEALED. ALL DOMESTIC WATER PIPING ROUTED EXPOSED BELOW 6'-8" ABOVE FINISH FLOOR SHALL BE PROVIDED WITH A PVC JACKET TO PREVENT DAMAGE TO THE PIPE.
- PROVIDE SHUTOFF VALVE TO EACH SILLCOCK WITH VALVE IDENTIFICATION AS REQUIRED BY CODE.
- BEFORE FINAL ACCEPTANCE OF THE WORK, TEST EACH SYSTEM AS IN SERVICE TO DEMONSTRATE COMPLIANCE WITH 2021 INTERNATIONAL PLUMBING CODE AND LOCAL CODE REQUIREMENTS. ONCE TEST ARE IN COMPLIANCE WITH CONTRACT REQUIREMENTS DISINFECT WATER SYSTEM IN ACCORDANCE WITH AWWA C651.
- CONTRACTOR TO VERIFY ALL LOCATIONS OF ROOF PENETRATIONS WITH ARCHITECTURAL DRAWINGS.
- PIPE HANGERS AND SUPPORTS SHALL BE MSS SP-58 AND MSS SP-69, TYPE 1 OR 6, OF THE ADJUSTABLE TYPE, EXCEPT AS INDICATED OTHERWISE. ATTACHMENTS TO STEEL W OR S BEAMS SHALL BE WITH TYPE 21, 28, 29, OR 30 CLAMPS. ATTACHMENTS TO STEEL ANGLES AND CHANNELS (WITH WEB VERTICAL) SHALL BE WITH TYPE 20 CLAMP WITH A BEAM CLAMP CHANNEL ADAPTER. ATTACHMENTS TO STEEL CHANNEL (WITH WEB HORIZONTAL) SHALL BE WITH DRILLED HOLE ON CENTERLINE AND DOUBLE NUT AND WASHER. ATTACHMENTS TO CONCRETE SHALL BE WITH TYPE 18 INSERT OR A DRILLED HOLE WITH EXPANSION ANCHOR. HANGER RODS AND ATTACHMENTS SHALL BE FULL SIZE OF THE HANGER-THREADED DIAMETER. PROVIDE TYPE 40 INSULATION PROTECTION SHIELDS FOR INSULATED PIPING. PROVIDE STEEL SUPPORT RODS. PROVIDE NONMETALLIC, HAIR FELT, OR PLASTIC PIPING ISOLATORS BETWEEN COPPER TUBING AND THE HANGERS.
- LABEL ALL WATER SERVICE VALVES IN ACCORDANCE WITH APPLICABLE CODES
- COORDINATE EXACT FLOOR DRAIN LOCATIONS ARCHITECTURAL DRAWINGS. SLOPE ENTIRE ROOM TO DRAINS.
- ALL TRAP PRIMER VALVES NOT LOCATED IN NORMALLY UNOCCUPIED SPACES SHALL BE MOUNTED ABOVE THE CEILING AND PROVIDED WITH A LABEL ON THE CEILING GRID TO INDICATE THE TRAP PRIMER LOCATION. NO TRAP PRIMERS SHALL BE INSTALLED EXPOSED IN NORMALLY OCCUPIED SPACES.
- ALL WORK INSTALLED SHALL MEET THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION, THE 2021 INTERNATIONAL PLUMBING CODE, AND THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE.

SHEET NOTES

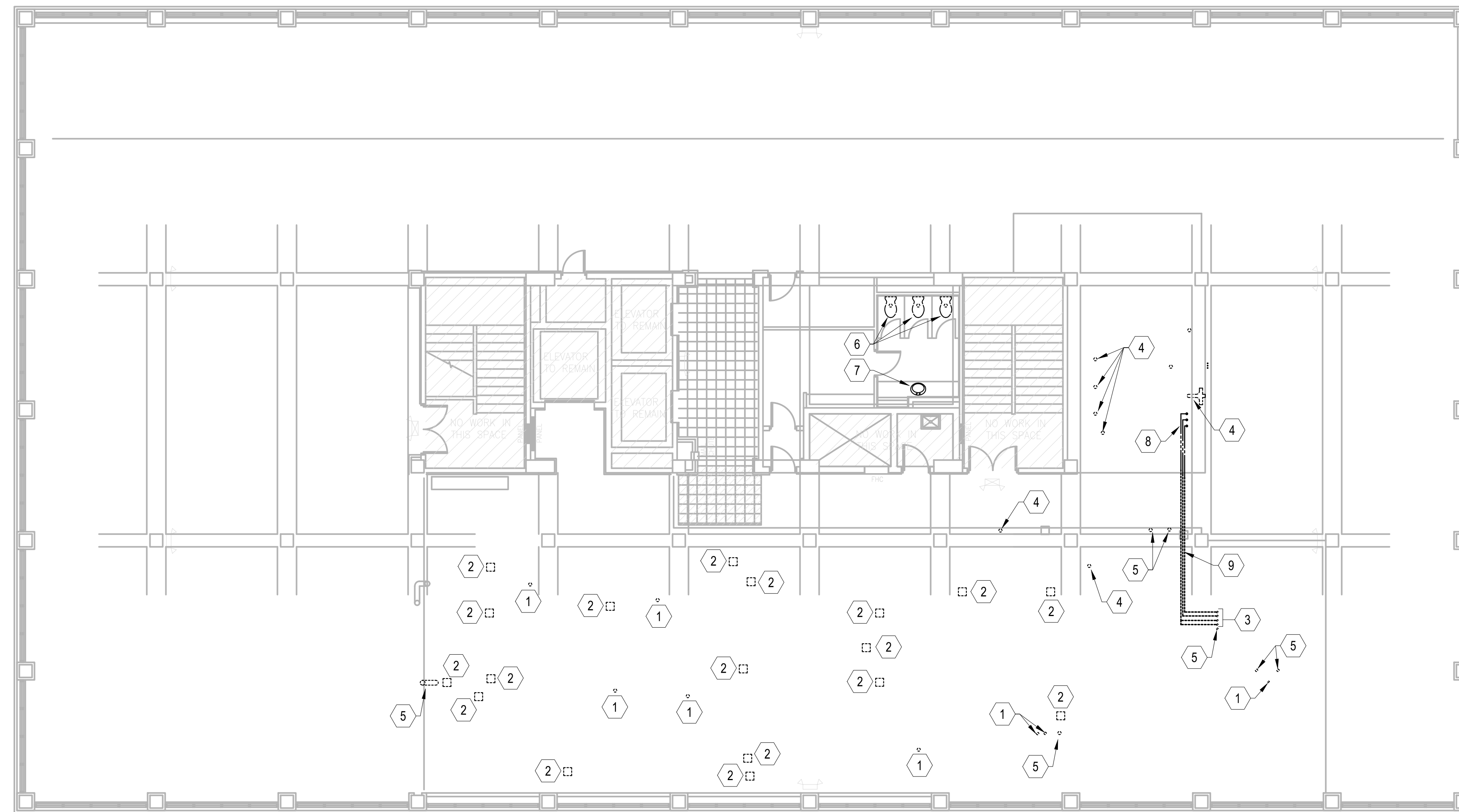
- 1 EXISTING PLUMBING STUB UP THAT HAS BEEN ABANDONED. REMOVE PIPING TO A POINT BELOW THE SLAB INTO THE THIRD FLOOR CEILING SPACE BELOW AND CAP WATER TIGHT.
- 2 EXISTING FLOOR PENETRATION COVERED WITH A STEEL PLATE. COORDINATE REMOVAL OF ANY EXISTING ABANDONED UTILITIES WITH THE GENERAL CONTRACTOR TO ALLOW FOR PATCHING OF THE FLOOR. REFERENCE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION ON FLOOR PATCHING.
- 3 EXISTING HOT WATER, COLD WATER, OR HOT WATER RETURN PIPING PASSING FROM 4TH FLOOR CEILING SPACE, DOWN THROUGH SLAB INTO THIRD FLOOR CEILING. CONTRACTOR SHALL REMOVE PIPING FROM ITS PRESENT LOCATION AND RELOCATE IT INTO THE NEW RESTROOM WALL AND RECONNECT TO THE EXISTING PIPING IN THE THIRD FLOOR CEILING SPACE BELOW. FIELD VERIFY A SUITABLE LOCATION FOR CONNECTION OF NEW TO EXISTING PIPING IN THIRD FLOOR CEILING SPACE BELOW.
- 4 EXISTING SANITARY WASTE STUB UP TO BE REMOVED ENTIRELY. REMOVE TO A POINT IN THE THIRD FLOOR CEILING SPACE BELOW. PREPARE REMAINING SANITARY WASTE PIPING IN THIRD FLOOR CEILING FOR REUSE, OR CAP AIR TIGHT.
- 5 EXISTING SANITARY WASTE/VENT PIPING TO BE REMOVED TO A POINT INSIDE THE THIRD FLOOR CEILING BELOW AND ABANDONED IN PLACE. CAP AIR TIGHT. PATCH UNUSED ROOF PENETRATION WATER TIGHT TO MATCH SURROUNDING. IF SANITARY VENT PIPING IN THIRD FLOOR CEILING IS SERVING FIXTURES BELOW, REWORK VENT PIPING TO REMAIN SUCH THAT IT IS EXTENDED AS NECESSARY FOR CONNECTION TO A SANITARY VENT THAT REMAINS EXTENDING UP THROUGH THE ROOF.
- 6 EXISTING WATER CLOSET TO BE REMOVED. REMOVE ASSOCIATED WASTE, WATER, AND VENT PIPING TO A POINT BELOW THE SLAB OR ABOVE THE CEILING AND CAP AIR TIGHT OR PREPARE FOR REUSE.
- 7 EXISTING LAVATORY TO BE REMOVED. REMOVE ASSOCIATED WASTE, WATER, AND VENT PIPING TO A POINT BELOW THE SLAB OR ABOVE THE CEILING AND CAP AIR TIGHT OR PREPARE FOR REUSE.
- 8 EXISTING CW/HW/HWR PIPING DOWN FROM PENTHOUSE BOILER ROOM. PREPARE PIPING IN FORTH FLOOR CEILING SPACE FOR RELOCATION AND RECONNECTION TURNING DOWN INSIDE NEW RESTROOM WALL. SEE NEW WORK PLAN.
- 9 EXISTING FORTH FLOOR CW/HW/HWR PIPING IN FORTH FLOOR CEILING TO BE REMOVED. SEE NEW WORK PLAN FOR REWORKING/RECONNECTION TO PIPING IN THE THIRD FLOOR CEILING.



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CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID FOR THE WORK. THE CONTRACTOR SHALL BECOME AWARE OF ALL EXISTING CONDITIONS AND HAVE AN UNDERSTANDING OF THE PLUMBING WORK REQUIRED IN THE THIRD FLOOR CEILING SPACE BELOW. SOME WATER, SANITARY WASTE, AND SANITARY VENT PIPING WILL REQUIRE MODIFICATION AND RELOCATION SO THAT IT CAN BE RECONNECTED FOR CONTINUED USE. THE PIPING REQUIRING THIS MODIFICATION TO REMAIN IN USE IS IDENTIFIED TO THE GREATEST EXTENT POSSIBLE. THE CONTRACTOR WILL BE REQUIRED TO OFFSET AND ROUTE THE REWORKED PIPING AS NECESSARY TO ACCOMMODATE EXISTING CONDITIONS. NO PVC OR PEX PIPING SHALL BE INSTALLED ON THIS PROJECT.



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

ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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REVISIONS	
MARK	DATE

SHEET NAME
4th FLOOR PLUMBING DEMO PLAN

PROJECT NO. 2024-01

DATE JUNE 6, 2024

SHEET NO.

P2.0

ACTUAL SHEET SIZE IS 22" x 34"

SHEET NOTES

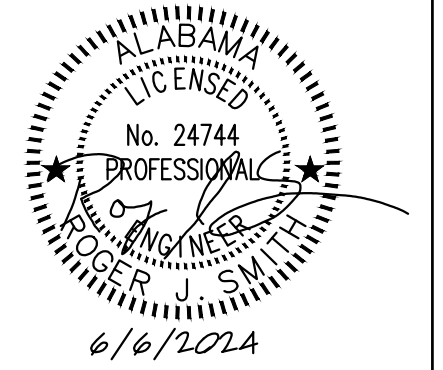
- 1 1/2" HW/CW DOWN INSIDE WALL FOR CONNECTION TO LAVATORY.
- 2 1" CW DOWN INSIDE WALL FOR CONNECTION TO WATER CLOSET.
- 3 3/4" CW DOWN INSIDE WALL FOR CONNECTION TO URINAL.
- 4 EXISTING HW/CW/HWR PIPING DOWN FROM PENTHOUSE BOILER ROOM TO BE RELOCATED INTO NEW RESTROOM WALL AND EXTENDED AS NECESSARY FOR RECONNECTION TO THE PIPING IN THE 3RD FLOOR CEILING. FIELD VERIFY A SUITABLE ROUTE FOR THE PIPING TO BE RECONNECTED TO THE EXISTING SERVICES TO REMAIN. CORE DRILL 4TH FLOOR AT NEW RESTROOM WALL AS NECESSARY TO ACCOMMODATE INSTALLATION. FIELD VERIFY EXISTING PIPING SIZE AND NEW PIPING TO DUPLICATE THE EXISTING SIZE.

Smith Mechanical
Consulting & Design

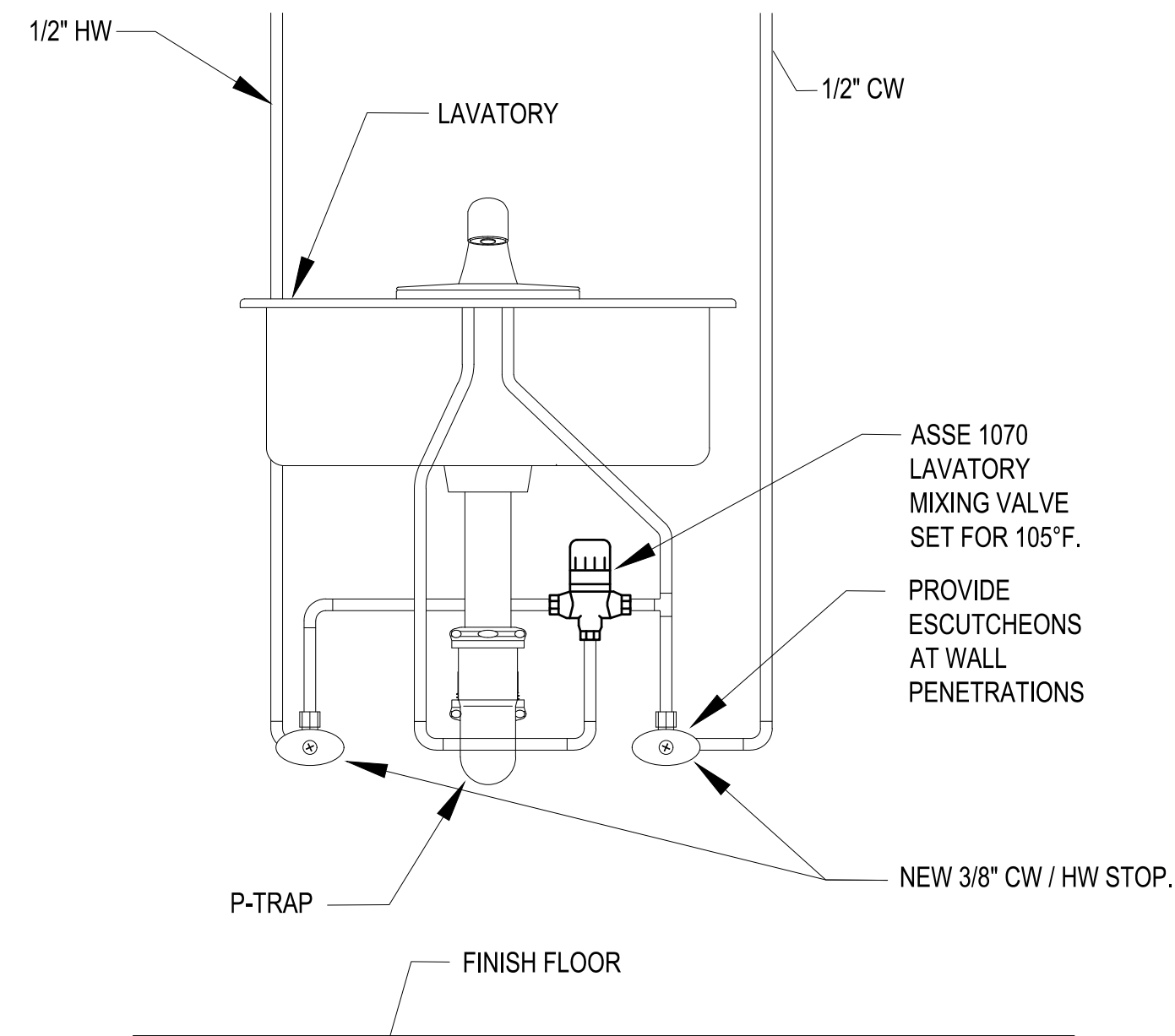
ALABAMA CERTIFICATE OF AUTHORIZATION: CA-3717 E
61 St. Joseph Street
Suite 1100
MOBILE, AL 36602
(251) 402-1364
ROGER J. SMITH, PE 24744
roger@smitheng.us
SMITH JOB # 24-007

CUMMINGS
ARCHITECTURE
CORP

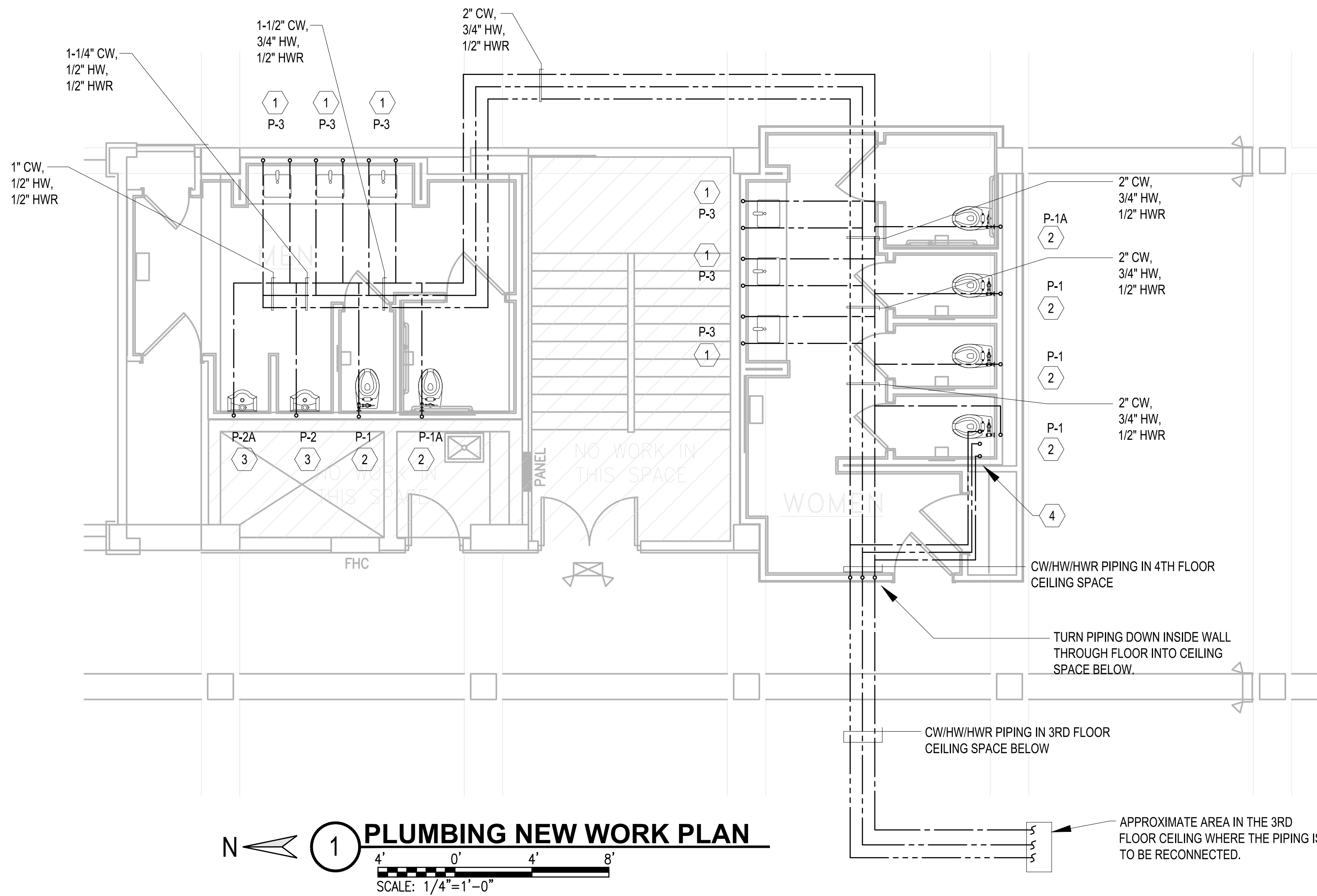
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Mobile, Alabama 36606
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**CONTRACTOR SHALL COORDINATE
ALL WORK IN THE 3RD FLOOR CEILING
WITH THE OWNER FOR ACCESS.**



2 **LAVATORY MIXING VALVE DETAIL**
NOT TO SCALE



1 **PLUMBING NEW WORK PLAN**
SCALE: 1/4"=1'-0"

ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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REVISIONS

MARK	DATE

SHEET NAME
**4th FLOOR PLUMBING
NEW WORK PLAN**

PROJECT NO. 2024-01

DATE JUNE 6, 2024

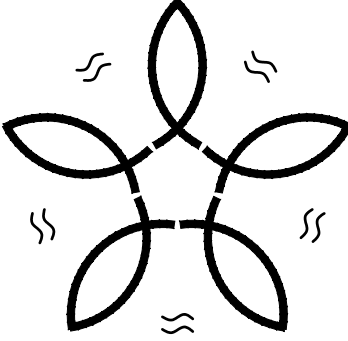
SHEET NO.

P3.0

ACTUAL SHEET SIZE IS 22" x 34"

SHEET NOTES

- 1 EXTEND SANITARY VENT PIPING AS NECESSARY FOR CONNECTION TO EXISTING SANITARY VENT THROUGH THE ROOF. FIELD VERIFY A SUITABLE LOCATION FOR CONNECTION TO EXISTING VENT PIPING OR LOCATION OF EXISTING VENT THROUGH THE ROOF.
- 2 EXTEND SANITARY WASTE PIPING IN THIRD FLOOR CEILING AS NECESSARY FOR CONNECTION TO EXISTING SANITARY WASTE PIPING. FIELD VERIFY A SUITABLE LOCATION FOR CONNECTION OF NEW TO EXISTING.



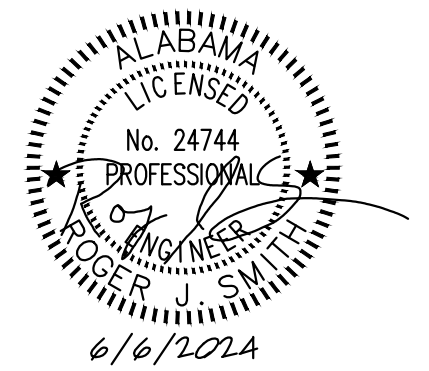
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Consulting & Design

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REVISIONS

MARK	DATE

SHEET NAME
**4th FLOOR
SANITARY
NEW WORK PLAN**

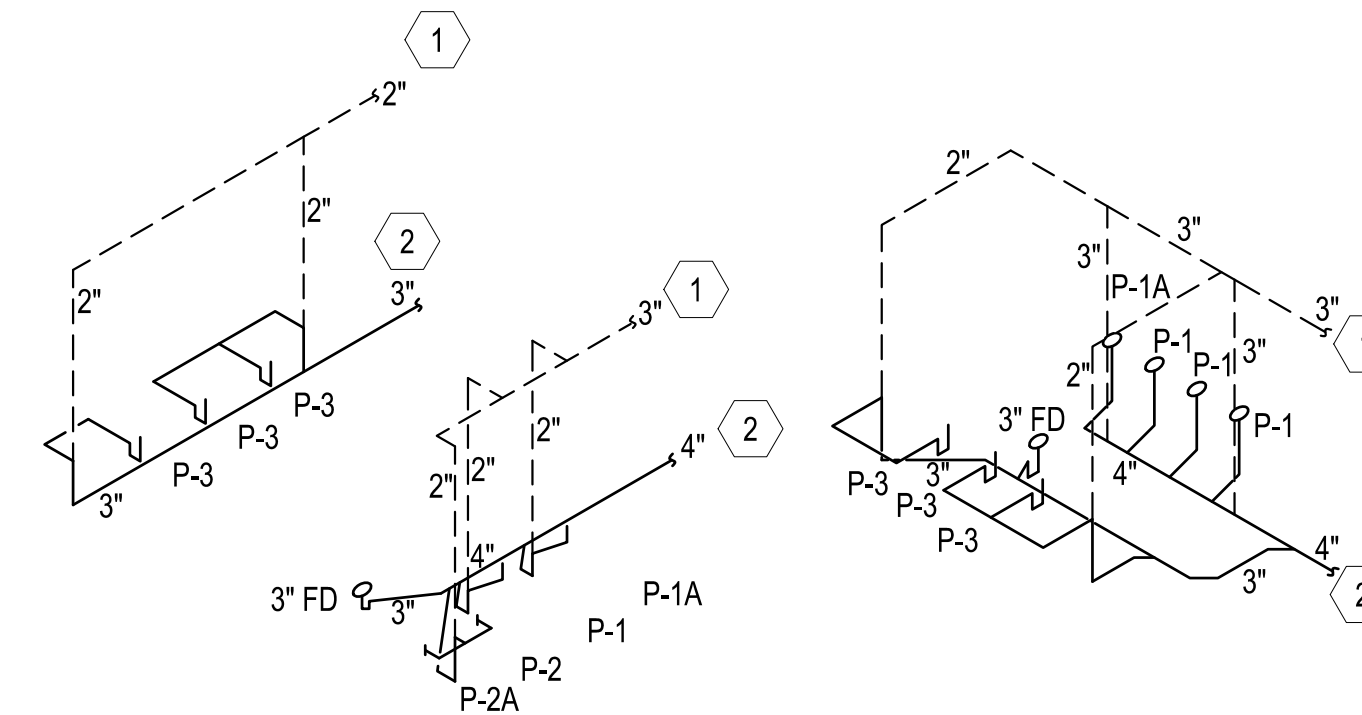
PROJECT NO. 2024-01

DATE JUNE 6, 2024

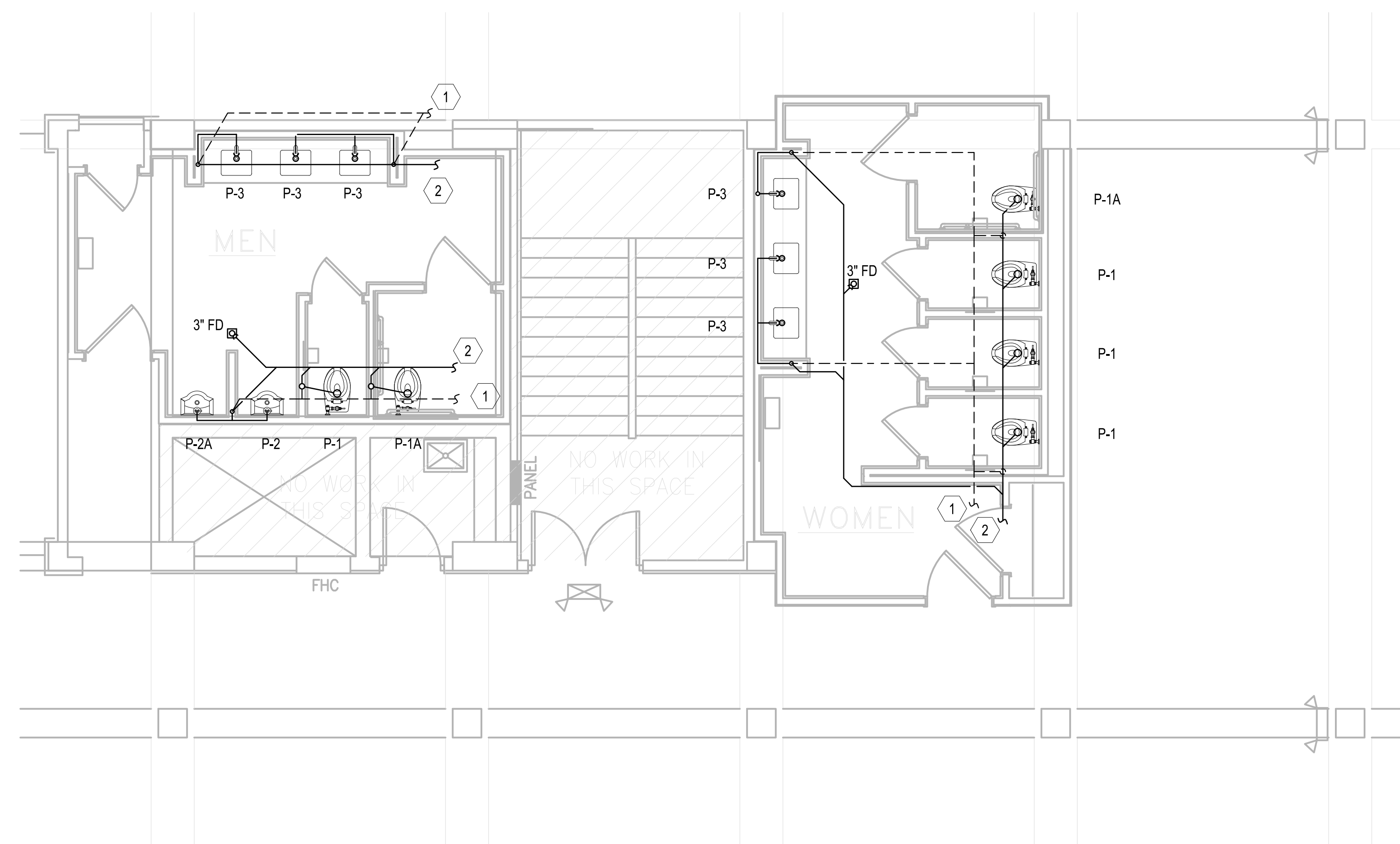
SHEET NO.

P4.0

ACTUAL SHEET SIZE IS 22" x 34"



2 SANITARY WASTE RISERS
NOT TO SCALE

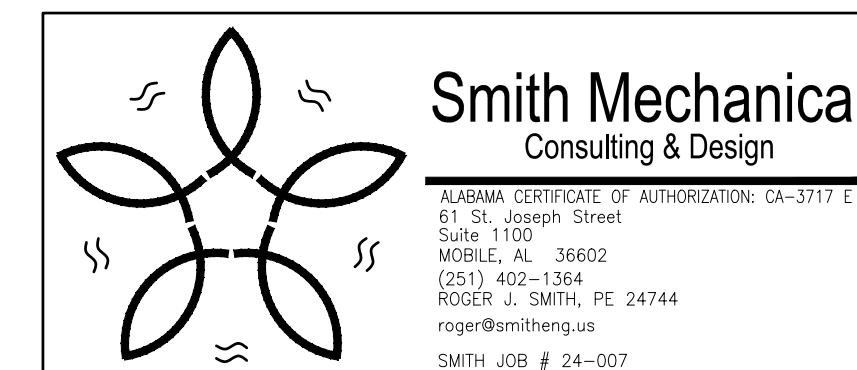


CONTRACTOR SHALL COORDINATE ALL WORK IN THE 3RD FLOOR CEILING WITH THE OWNER FOR ACCESS.

1 SANITARY WASTE NEW WORK PLAN

N

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



GENERAL PIPING NOTES

- A. ALL BALL VALVES, INCLUDING THOSE USED FOR DRAIN/BLOWDOWN VALVES, GAGE, AIR VENT, COLD WATER MAKE-UP, CHEMICAL TREATMENT AND EXPANSION TANK SERVICE SHALL BE BRONZE BODY, THREADED ENDS, ALL STAINLESS STEEL TRIM AND STAINLESS STEEL LATCH-LOCK HANDLE, MILWAUKEE 20BSOR-02-LL, OR EQUAL BY KITZ OR HAMMOND.
- B. ALL TAPS FOR P/T PORTS, GAGES, DIFFERENTIAL PRESSURE SWITCHES, DRAIN VALVES ETC. SHALL BE MAKE WITH FORGED STEEL THREDOLETS OR WELDED REDUCING TEE IN PIPING SIZE 2 1/2" AND LARGER, GALVANIZED MALLEABLE IRON SCREWED REDUCING TEE IN STEEL PIPING SIZE 2" AND SMALLER, AND SOLDERED TEES IN COPPER PIPING. MOUNT P/T PORTS IN VERTICAL POSITION.
- C. ALL GAGE (INTERIOR), AIR VENT, DRAIN VALVE, STRAINER BLOWDOWN AND DIFFERENTIAL PRESSURE CONNECTION PIPING SHALL BE SCREWED BRASS PIPE. AIR VENT DISCHARGE PIPING MAY BE HEAVY WALL SOFT COPPER TUBING IF RUN STRAIGHT AND PERPENDICULAR TO BUILDING LINES AND PROPERLY SUPPORTED AT REGULAR INTERVALS.
- D. PRESSURE/TEMPERATURE TEST PORTS SHALL BE BRASS BODY 1/4" MPT WITH DUAL NORDEL SEALS AND BRASS CAP W/RETAINER STRAP, FLOW DESIGN INC. SUPERSEAL. PROVIDE 2-3/4" LENGTH FOR INSULATED PIPING AND 1-1/4" LENGTH FOR NON-INSULATED PIPING. MOUNT P/T PORTS IN VERTICAL POSITION ACCESSIBLE FOR EASY INSERTION OF TEMPERATURE AND PRESSURE MEASURING DEVICES.
- E. THE USE OF BUSHINGS AND CLOSE NIPPLES FOR THREADED CONNECTIONS OF ANY KIND IS NOT ALLOWABLE.
- F. PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS IN PIPING AND ELSEWHERE AS INDICATED, SEE TYPICAL DETAILS.
- G. SUPPORT PIPING FROM GROUND WITH GALVANIZED STEEL SCHEDULE 40 PIPE STANDS PRIOR TO FINAL CONNECTION TO PUMPS SUCH THAT NO PIPING WEIGHT IS CARRIED BY PUMP CONNECTIONS.
- H. MECHANICAL CONTRACTOR SHALL INSTALL THRED-O-LETS FOR DDC TEMPERATURE WELLS WHERE REQUIRED BY ENGINEER AND/OR DDC CONTRACTOR.
- I. ALL NEW HOT WATER PIPING SHALL BE INSULATED WITH 1-1/2" THICK SECTIONAL FIBERGLASS WITH AN ASJ JACKET. ALL FITTINGS AND VALVES TO BE PROVIDED WITH PREMOLDED INSULATION SECTIONS.
- J. ALL NEW HYDRONIC PIPING SHALL MATCH EXISTING PIPING MATERIALS.
- K. CONTRACTOR SHALL DRAIN AND REFILL EXISTING HOT WATER SYSTEM AS NECESSARY TO PERFORM THE NEW BRANCH CONNECTION WORK AND PROVIDE NEW CHEMICAL TREATMENT FOR REFILL.
- L. THE MECHANICAL CONTRACTOR PERFORMING WORK ON THIS PROJECT WILL BE RESPONSIBLE FOR ALL ASSOCIATED ELECTRICAL AND CONTROLS WORK REQUIRED TO SUPPORT THE INSTALLATION OF THE TWO NEW VAV BOXES AND THE INDEPENDENT ELECTRIC THERMOSTATS TO CONTROL THE NEW VAV BOXES. IN A FUTURE CONTROLS UPGRADE, THE BUILDINGS THERMOSTATS WILL BE MODIFIED OR REPLACED WITH A SINGLE SYSTEM. THE TWO NEW BOXES ON THE FOURTH FLOOR WILL OPERATE INDEPENDENT OF THE EXISTING BUILDING HVAC CONTROLS SYSTEM FOR NOW.

GENERAL NOTES

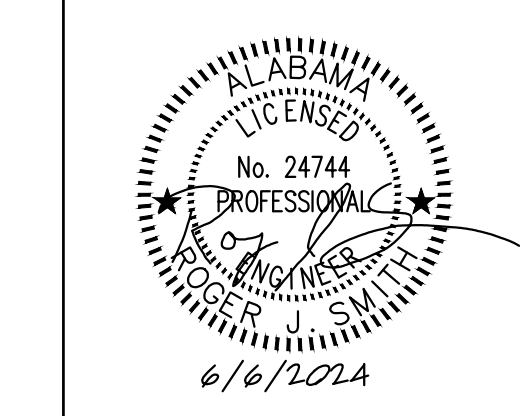
- 1. THE MECHANICAL CONTRACTOR IS REQUIRED TO HAVE A GENERAL CONTRACTORS LICENSE AND SHALL COORDINATE WITH ASPA PROJECT MANAGER AND OTHER TRADES AS NECESSARY FOR REQUIRED OPENINGS IN WALLS, FOUNDATIONS, FLOORS, AND ROOFS.
- 2. THE MECHANICAL CONTRACTOR TO VERIFY MECHANICAL EQUIPMENT LOCATIONS AND BE RESPONSIBLE FOR ALL RELATED CLEARANCES IN THE FIELD. PROVIDE ADEQUATE MAINTENANCE CLEARANCE AROUND EACH PIECE OF EQUIPMENT PER THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE CLEARANCE IN FRONT OF ELECTRICAL PANELS AND OTHER ELECTRICAL EQUIPMENT PER THE NATIONAL ELECTRICAL CODE REQUIREMENTS. COORDINATE WITH THE CONTROLS CONTRACTOR AND ELECTRICAL CONTRACTORS IN THE FIELD.
- 3. PIPING SHOWN IN THESE DRAWINGS ARE DIAGRAMMATIC. ARRANGE IN A NEAT AND ORDERLY MANNER.
- 4. PENETRATIONS THROUGH FIRE RATED FLOORS AND WALLS ARE TO BE FIRE SEALED SO AS TO MAINTAIN FLOOR OR WALL INTEGRITY IN THE EVENT OF A FIRE.
- 5. VERIFY COLLAR SIZES ON ALL EQUIPMENT INLETS AND OUTLETS. TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE ALL TRANSITIONS AT EQUIPMENT CONNECTIONS.
- 6. INSTALL EQUIPMENT AND DUCTWORK TO MANUFACTURERS RECOMMENDED CLEARANCES.
- 7. PENETRATIONS OF FIREWALLS, CEILINGS, FLOORS, ETC. FOR PIPING TO BE UL LISTED FIRESTOPS AND SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION. CONTRACTOR TO OBTAIN MANUFACTURER SHOP DRAWINGS AT JOBSITE FOR PENETRATIONS.
- 8. PROVIDE FLEXIBLE DUCT, PIPE CONNECTIONS, AND VIBRATION ISOLATORS FOR INTERNALLY ISOLATED UNITS.
- 9. DO NOT MOUNT DISCONNECT SWITCHES ON HVAC EQUIPMENT.
- 10. ALL ROUND FLEXIBLE DUCT TO BE FACTORY PRE-INSULATED. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT RUNOUT TO BE 6 FT. WHERE LENGTH REQUIRED EXCEEDS 6 FT, INSTALL EXTERNALLY INSULATED ROUND SNAPLOCK DUCT FOR BALANCE OF DISTANCE TO SPIN-IN TAP AT MAIN DUCT TRUNK.
- 11. SUPPLY AIR DUCTWORK TO BE SINGLE WALL LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 250 Pa (1" W.G.), SEAL CLASS A, EXTERNALLY INSULATED WITH 2" THICK R-8 FIBERGLASS DUCT WRAP. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
- 12. RETURN AIR DUCTWORK TO BE SINGLE WALL LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 250 Pa (1" W.G.), SEAL CLASS A. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS. PROVIDE 2" THICK R-8 EXTERNAL FIBERGLASS DUCT WRAP.
- 13. EXHAUST AIR DUCTWORK TO BE LOW PRESSURE SINGLE WALL RECTANGULAR, SMACNA STATIC PRESSURE CLASS 250 Pa (1" W.G.), SEAL CLASS A. EXHAUST DUCT IS NOT REQUIRED TO BE INSULATED.
- 14. AVOID ROUTING DUCTWORK OVER LIGHTS WHEREVER POSSIBLE. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN DUCT INSULATION TO TOP OF LIGHTS.
- 15. WORK SHALL COMPLY WITH THE FOLLOWING AGENCIES
 - 2021 INTERNATIONAL BUILDING CODE
 - 2021 INTERNATIONAL MECHANICAL CODE
 - 2015 INTERNATIONAL ENERGY CONSERVATION CODE
 - NATIONAL FIRE PROTECTION AGENCY (NFPA)
 - AMERICAN SOCIETY OF HEATING AND REFRIGERATION ENGINEERS (ASHRAE)
 - NATIONAL ELECTRIC CODE NFPA 70
- 16. ALL WORK AND EQUIPMENT SHALL BE PROVIDED WITH A TWO YEAR WARRANTY STARTING FROM THE TIME OF SUBSTANTIAL COMPLETION OF THE PROJECT AS DETERMINED BY THE ASPA PROJECT MANAGER.

VAV BOX SCHEDULE																			
MARK	MARK USE WITH	TOTAL CFM	COOL CFM MIN.	HEATING CFM MIN.	MIN. INLET STATIC PRESS. (IN.)	HEATING COIL										INLET SIZE (IN.)	MANUFACTURER	MODEL NUMBER	REMARKS
						EAT (°F)	LAT (°F)	MBH (MIN.)	EWT (°F)	LWT (°F)	GPM	MAX. UNIT APD (IN.)	MAX.WPD (FT.)	CONTROL VALVE TYPE AND SIZE					
VAV 4-19	AHU-2	230	130	130	0.5"	55.0	95.0	5,600	180.0	140.0	0.56	0.35	2.0	2-WAY / 1/2"	5"Ø	TITUS	DESV	1, 2, 3	
VAV 4-20	AHU-2	200	130	130	0.5"	55.0	95.0	5,600	180.0	140.0	0.56	0.35	2.0	2-WAY / 1/2"	5"Ø	TITUS	DESV	1, 2, 3	

- NOTES:
- 1. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR. CONTROL VALVES SHALL BE PROVIDED WITH A TRANSFORMER. ON THE 4TH FLOOR, PROVIDE A 120V/1Ø TRANSFORMER.
 - 2. BASIS OF DESIGN TITUS SDEV WITH HOT WATER COIL REHEAT.
 - 3. VAV BOX TO BE CONTROLLED WITH A TWO WAY WAY CONTROL VALVE CONNECTED TO A LOCAL THERMOSTAT.



One Houston Street
Mobile, Alabama 36606
TEL 251.433.9600



ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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REVISIONS	
MARK	DATE

SHEET NAME
HVAC SCHEDULES AND NOTES

PROJECT NO. 2024-01

DATE JUNE 6, 2024

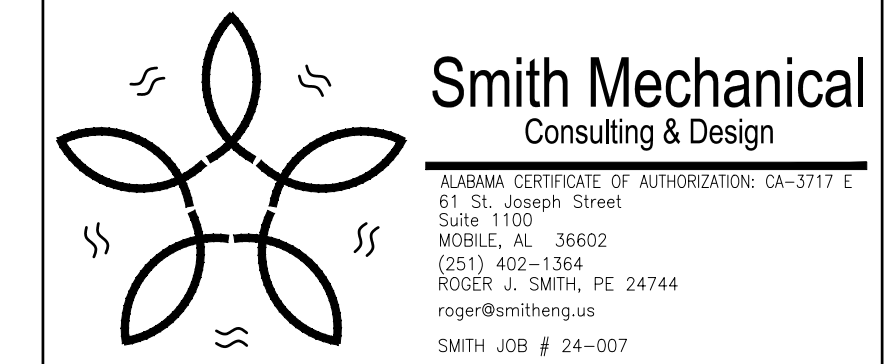
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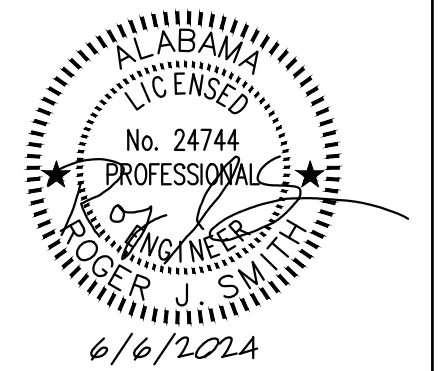
ACTUAL SHEET SIZE IS 22" x 34"

SHEET NOTES

- 1 EXISTING EXHAUST GRILLE TO BE REMOVED. REMOVE EXHAUST BRANCH DUCT TO A POINT ABOVE THE CEILING AND CAP AIR TIGHT. PREPARE REMAINING EXHAUST TRUNK DUCT FOR REUSE. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
- 2 EXISTING OPEN EXHAUST TRUNK DUCT TO BE REUSED. SEE NEW WORK PLAN FOR ADDITIONAL REQUIREMENTS.
- 3 EXISTING EXHAUST TRUNK DUCT UP INSIDE CHASE TO EXISTING ROOF MOUNTED EXHAUST FAN ABOVE PENTHOUSE MECHANICAL ROOM. CONTRACTOR SHALL PROVIDE A FULL MAINTENANCE SERVICE ON THE ROOF MOUNTED EXHAUST FAN INCLUDING BUT NOT LIMITED TO CLEANING THE FAN BLADES, OILING THE MOTOR AND BEARINGS, AND REPLACING THE BELTS.
- 4 EXISTING MEDIUM PRESSURE HVAC SYSTEM AS WELL AS EXISTING VAV BOXES, HOT WATER PIPING, LOW PRESSURE DISTRIBUTION DUCT TO REMAIN. SEE NEW WORK PLAN FOR THE TWO ADDITIONAL VAV BOXES REQUIRED FOR THIS PROJECT.



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ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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REVISIONS	
MARK	DATE

SHEET NAME
**4th FLOOR
HVAC
DEMO PLAN**

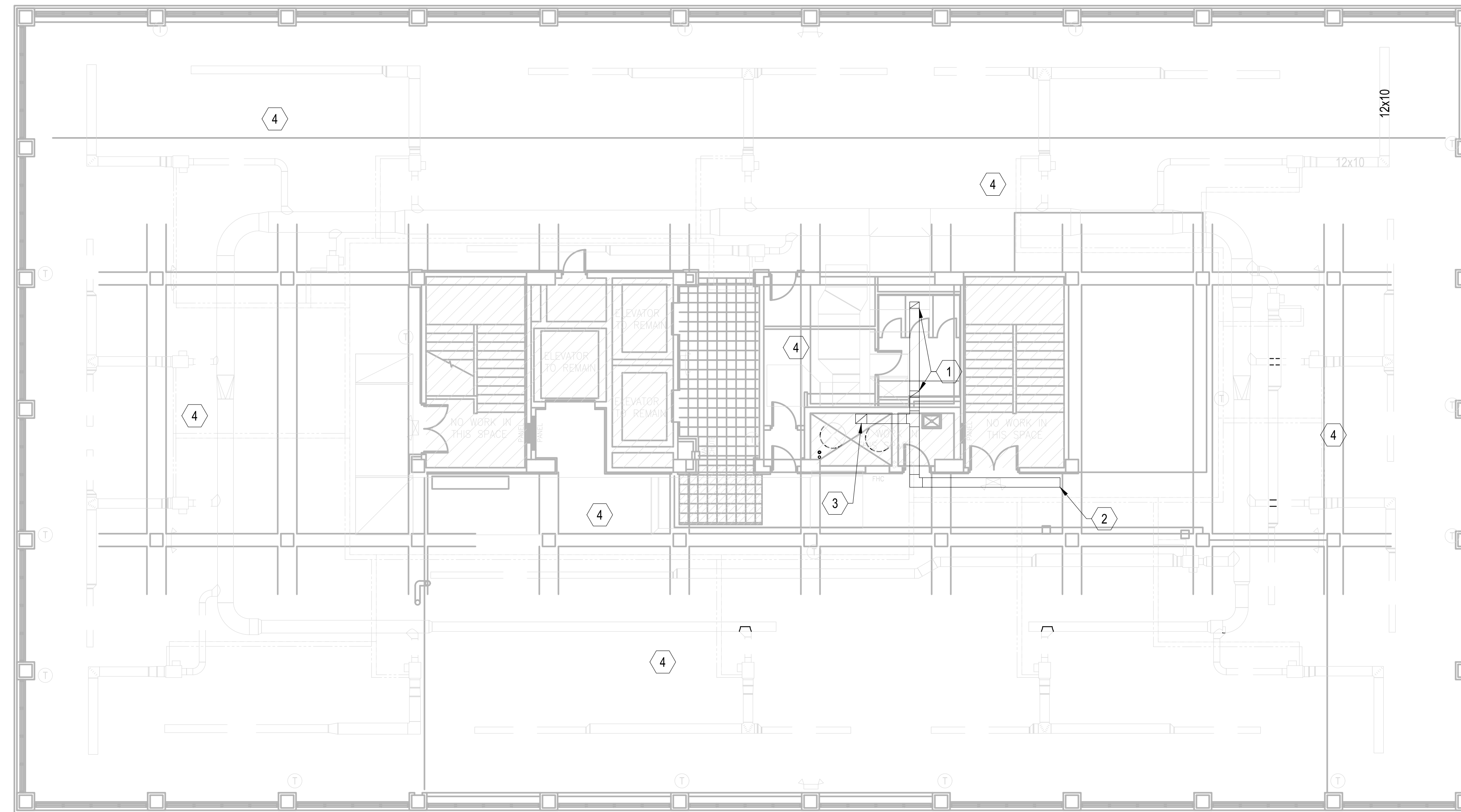
PROJECT NO. 2024-01

DATE JUNE 6, 2024

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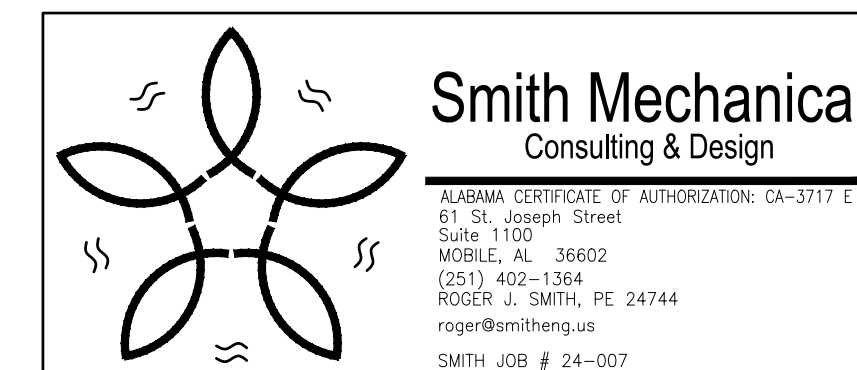
ACTUAL SHEET SIZE IS 22" x 34"



1 **HVAC DEMOLITION PLAN**

8' 0' 8' 16'

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



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Mobile, Alabama 36606
TEL 251.433.9600



ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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MARK	DATE

SHEET NAME
**4th FLOOR
HVAC NEW
WORK PLAN**

PROJECT NO. 2024-01

DATE JUNE 6, 2024

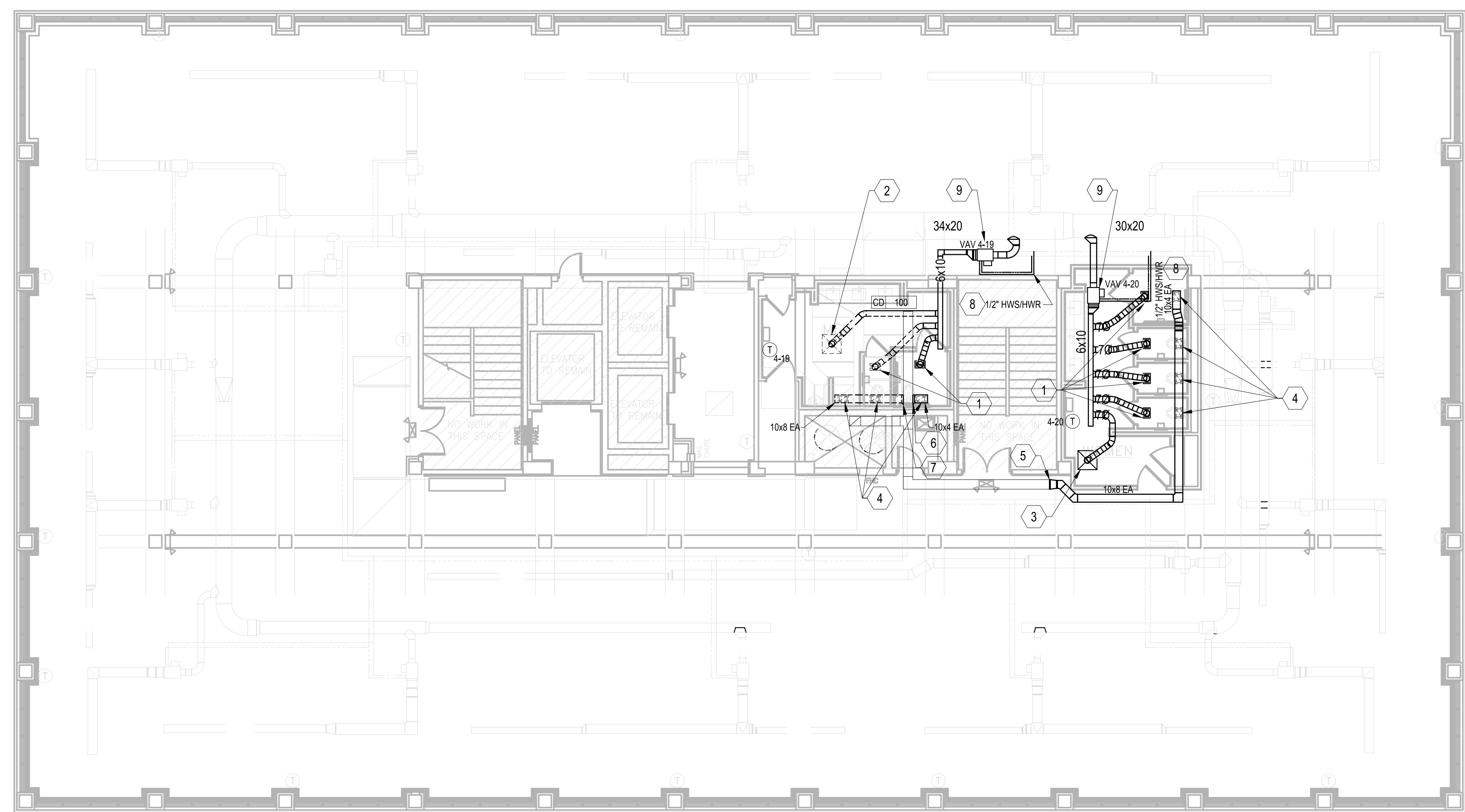
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SHEET NOTES

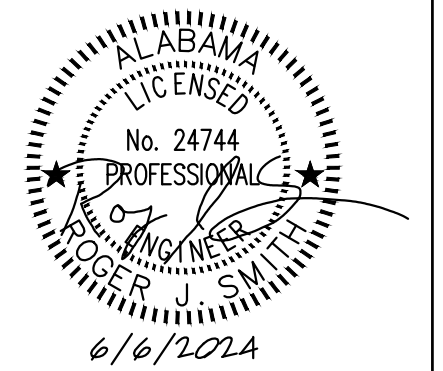
- 1 9"x9" TITUS TDC-AA CEILING GRILLE WITH 7"Ø CONNECTION TO BE CUT INTO PARTIAL 24"x24" CEILING TILE. GRILLE SHALL NOT BE PROVIDED WITH LAY-IN PANEL. PROVIDE SUPPLEMENTAL ANGLE BRACING BEHIND GRILLE TO PREVENT SAGGING OF CEILING TILE. BALANCE AIR DEVICE FOR 40 CFM.
- 2 9"x9" TITUS TDC-AA CEILING GRILLE WITH 7"Ø CONNECTION WITH 24"x24" LAY-IN PANEL. BALANCE AIR DEVICE FOR 150 CFM.
- 3 9"x9" TITUS TDC-AA CEILING GRILLE WITH 7"Ø CONNECTION WITH 24"x24" LAY-IN PANEL. BALANCE AIR DEVICE FOR 40 CFM.
- 4 6"x6" TITUS 350 FL EXHAUST GRILLE WITH BALANCING DAMPER TO BE CUT INTO PARTIAL 24"x24" CEILING TILE. GRILLE SHALL NOT BE PROVIDED WITH LAY-IN PANEL. PROVIDE SUPPLEMENTAL ANGLE BRACING BEHIND GRILLE TO PREVENT SAGGING OF CEILING TILE. BALANCE AIR DEVICE FOR 50 CFM.
- 5 CONNECT NEW 10x8 EXHAUST DUCT TO EXISTING EXHAUST TRUNK DUCT. TRANSITION NEW DUCT AS NECESSARY FOR CONNECTION TO EXISTING DUCT.
- 6 PROVIDE NEW 10x4 BRANCH EXHAUST DUCT TO NEW EXHAUST GRILLE.
- 7 PROVIDE NEW 10x8 BRANCH EXHAUST DUCT TO NEW EXHAUST GRILLES.
- 8 NEW 1/2" HOT WATER SUPPLY AND RETURN PIPING TO NEW VAV BOX. CONNECT TO EXISTING MAINS. FIELD VERIFY A SUITABLE LOCATION FOR CONNECTION OF NEW TO EXISTING.
- 9 NEW VAV BOX. INSTALL IN A LOCATION WHERE ACCESS THROUGH CEILING TILE IS AVAILABLE. COORDINATE FINAL INSTALLATION LOCATION WITH ARCHITECTURAL PLANS AND FINAL LIGHTING LAYOUT. EXTEND NEW MEDIUM PRESSURE BRANCH DUCT WITH NEW TAP FROM EXISTING MEDIUM PRESSURE DUCT GENERALLY WHERE SHOWN. FIELD VERIFY A SUITABLE LOCATION FOR CONNECTION OF THE NEW BRANCH TAP.



1 HVAC NEW WORK PLAN

8' 0' 8' 16'

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



ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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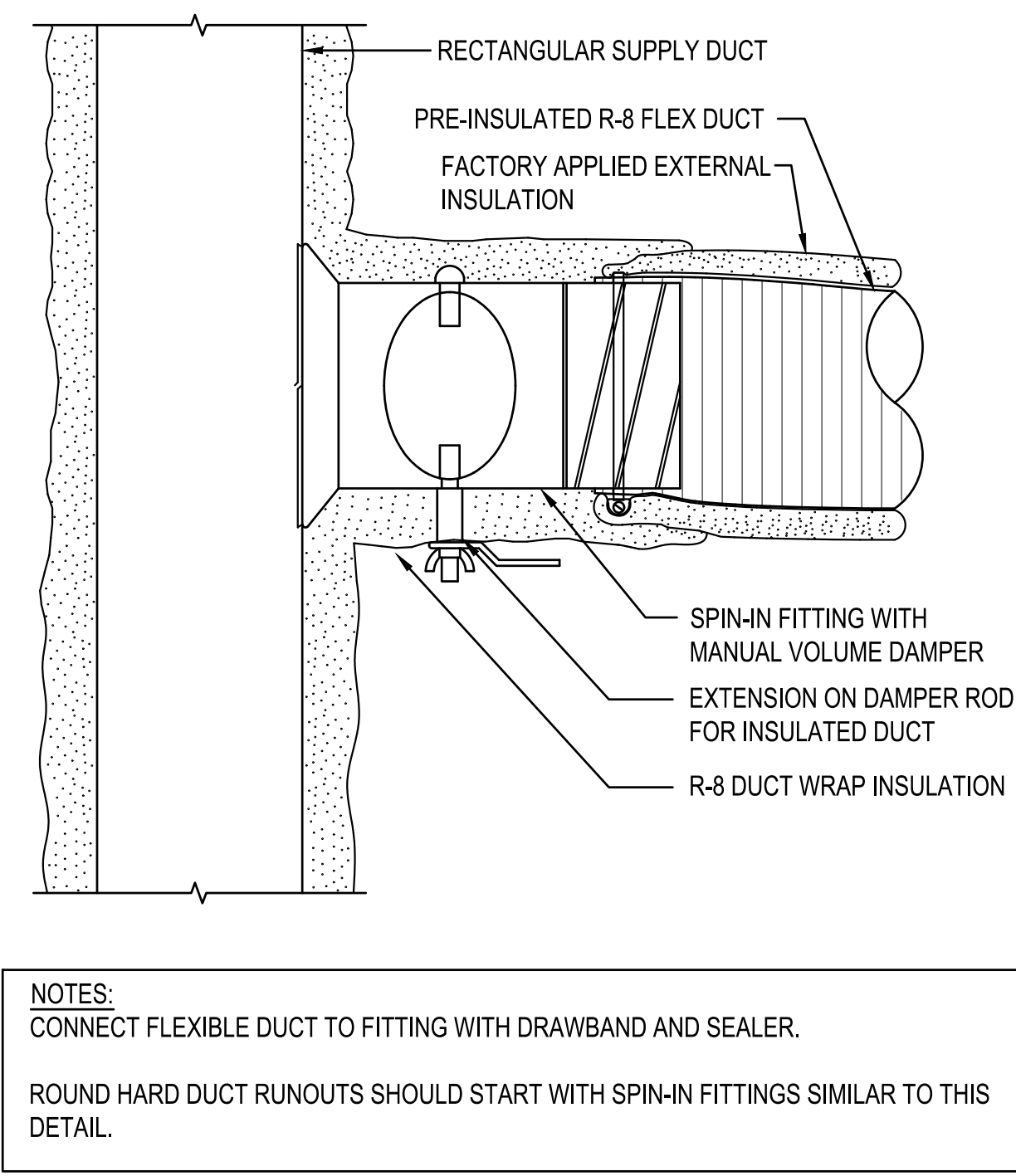
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SHEET NAME
HVAC
DETAILS

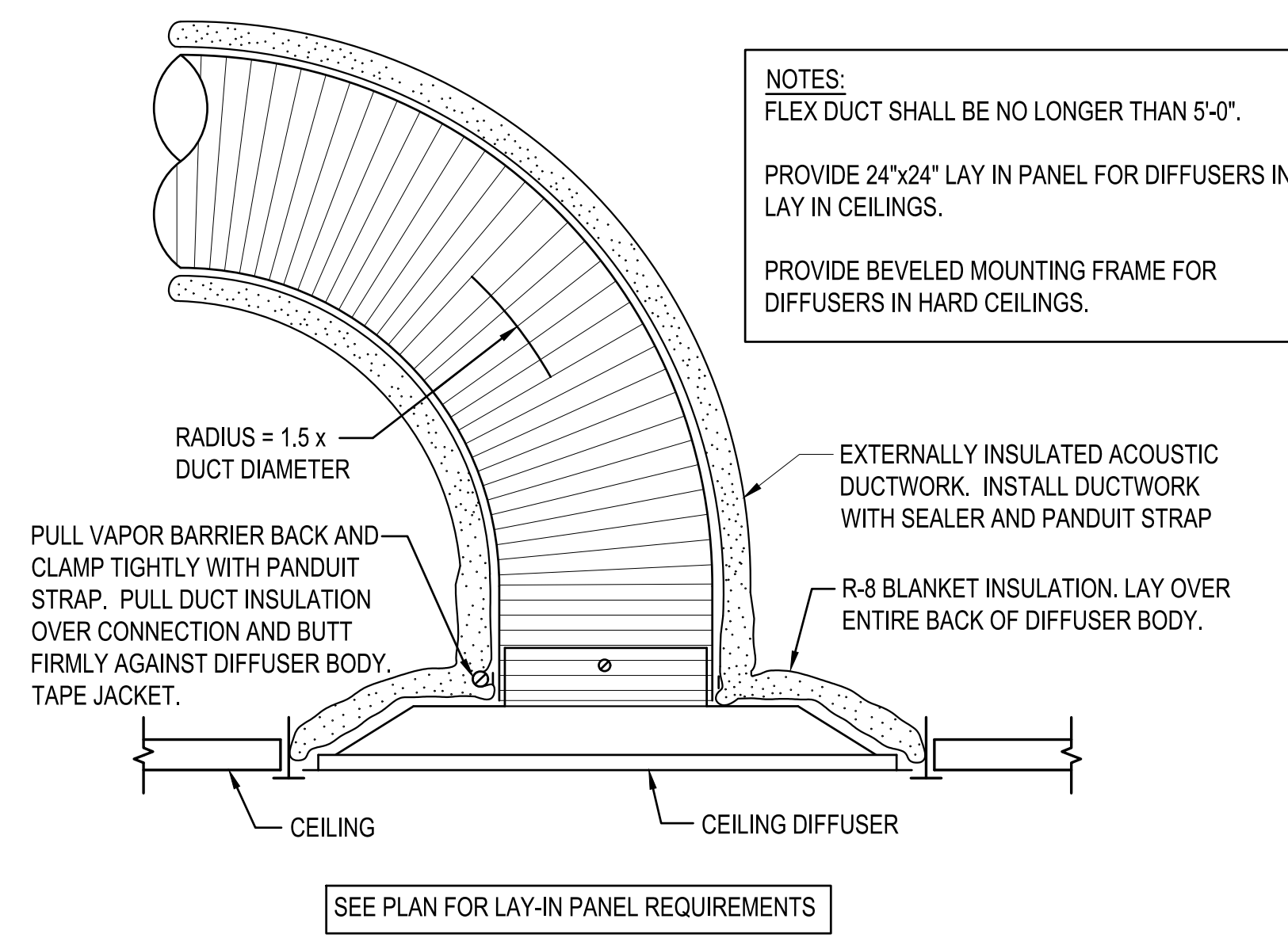
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DATE JUNE 6, 2024
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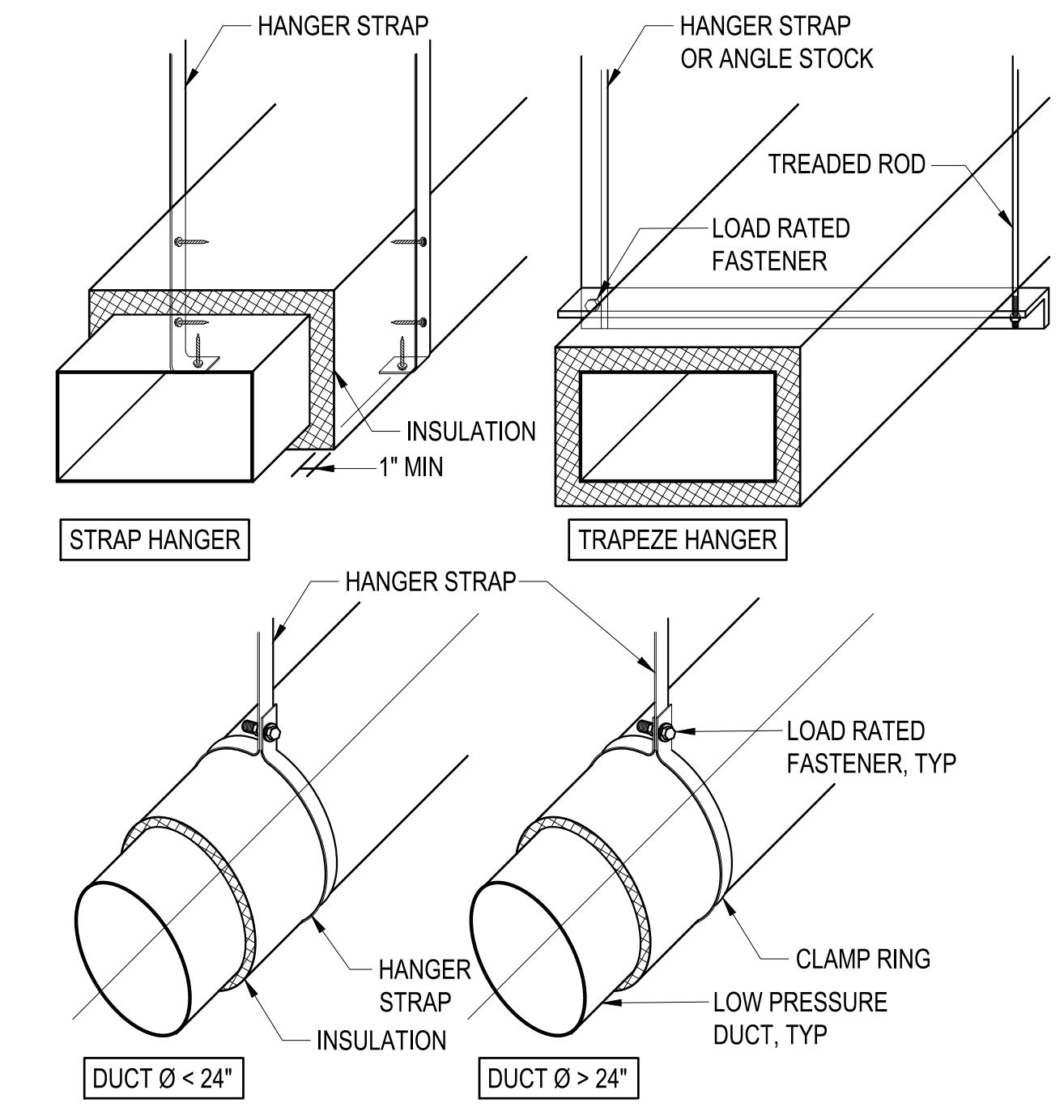
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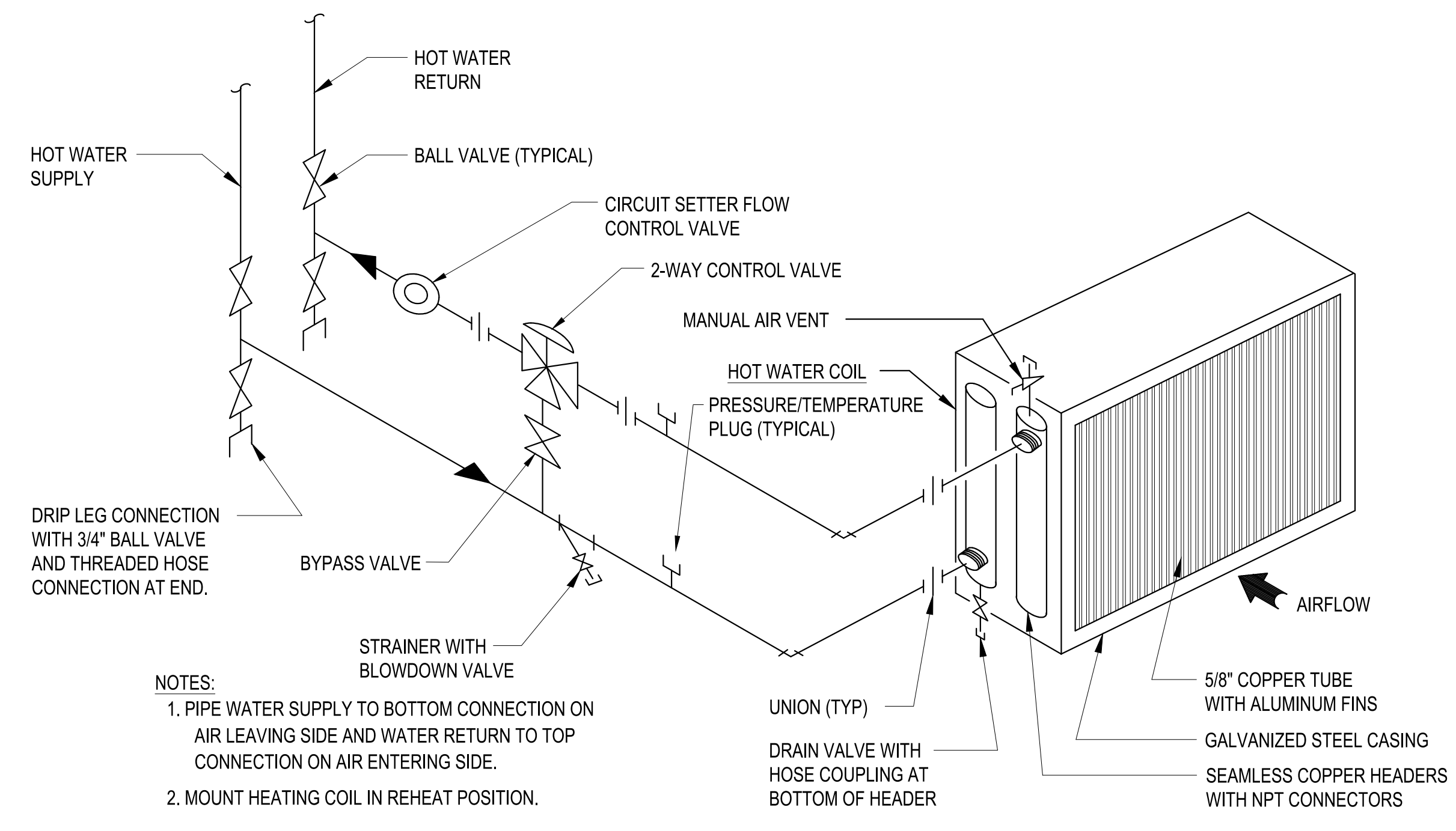
1 TYPICAL FLEX DUCT TAKEOFF DETAIL
NOT TO SCALE



2 TYPICAL CEILING DIFFUSER DETAIL
NOT TO SCALE



3 DUCT HANGER DETAIL
NOT TO SCALE



4 HOT WATER COIL PIPING DETAIL (4TH FLOOR)
NOT TO SCALE

ELECTRICAL SPECIFICATIONS

1. GENERAL ELECTRICAL:
 - 1.1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR THE INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM AS INDICATED WITHIN THESE DRAWINGS. ALL WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES AND WITH MANUFACTURER'S RECOMMENDATIONS.
 - 1.2. THE CONTRACTOR SHALL CAREFULLY EXAMINE THE ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND MECHANICAL DRAWINGS PRIOR TO SUBMITTING HIS BID. THE CONTRACTOR WILL BE REQUIRED TO FURNISH, INSTALL AND CONNECT ALL ITEMS AS INDICATED ON THE DRAWINGS.
 - 1.3. THE ARCHITECT SHALL BE NOTIFIED OF ANY CONFLICTS, OR INTERFERENCES THAT OCCUR BETWEEN INDIVIDUAL DRAWINGS.
 - 1.4. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED IN A NEAT, FIRST CLASS, WORKMANLIKE MANNER, TO THE APPROVAL OF THE ARCHITECT/ENGINEER AND GOVERNING AUTHORITIES.
 - 1.5. IN ADDITION TO THE MANUFACTURERS STANDARD GUARANTEES, THE CONTRACTOR SHALL GUARANTEE ALL MATERIALS, EQUIPMENT AND WORKMANSHIP AGAINST DEFECTS FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE, AND SHALL CORRECT ANY DEFECTS AT NO ADDITIONAL COST TO THE OWNER. ALL LAMPS SHALL BE GUARANTEED FOR 30 DAYS AFTER ACCEPTANCE.
 - 1.6. THE LOADS SHOWN FOR APPLIANCES AND EQUIPMENT ARE BASED ON DESIGN INFORMATION. THE CONTRACTOR SHALL VERIFY ALL APPLIANCE LOADS PRIOR TO RUNNING THE CIRCUIT. THE MINIMUM CIRCUIT REQUIREMENTS SHALL BE BASED ON THE APPLIANCE NAMEPLATE VALUE OR CODE REQUIREMENTS, WHICHEVER IS MORE STRINGENT. ADDITIONAL COMPENSATION SHALL NOT BE ALLOWED FOR APPLIANCE MODIFICATIONS BY THE CONTRACTOR.
 - 1.7. PRIOR APPROVAL: PRIOR APPROVAL SHALL BE REQUIRED FOR ANY MANUFACTURER OTHER THAN THOSE LISTED FOR ALL SPECIFIED ITEMS IN THESE DRAWINGS. SUBMIT ALL REQUESTS FOR PRIOR APPROVAL 2 WEEKS PRIOR TO BID OPENING. ENGINEER'S APPROVAL WILL BE IN THE FORM OF AN ADDENDUM.
2. CODES & STANDARDS:
 - 2.1. INSTALLATION AND MATERIALS SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE FOLLOWING CODES & STANDARDS:
 - 2.1.1. NATIONAL ELECTRICAL CODE.
 - 2.1.2. NFPA 72. NATIONAL FIRE PROTECTION CODE.
 - 2.1.3. INTERNATIONAL BUILDING CODE.
 - 2.1.4. INTERNATIONAL ENERGY CONSERVATION CODE.
 - 2.1.5. NFPA 101.
 - 2.1.6. ADA .
 - 2.1.7. ANSI.
 - 2.1.8. NEMA.
 - 2.1.9. OSHA.
 - 2.1.10. UL.
3. ALTERATIONS & ADDITIONS TO EXISTING WORK:
 - 3.1. PROVIDE ALL NECESSARY ADDITIONS AND ALTERATIONS TO EXISTING WORK AS REQUIRED TO PROVIDE AND MAINTAIN A COMPLETE AND PROPER ELECTRICAL INSTALLATION.
 - 3.2. AS NECESSARY, RELOCATE EXISTING ELECTRICAL WORK SO OTHER TRADES CAN PURSUE THEIR WORK.
 - 3.3. MAINTAIN POWER TO EXISTING PORTIONS OF BUILDINGS FED FROM OR THROUGH AREA IN SCOPE OF THIS CONTRACT.
 - 3.4. COORDINATE ALL REQUIRED OUTAGES WITH OWNER.
4. BASIC MATERIALS & METHODS:
 - 4.1. ALL POWER AND DISTRIBUTION CABLING SHALL BE COPPER TYPE THWN/THHN (NM NOT ALLOWED).
 - 4.2. ELECTRICAL CONTRACTOR SHALL PROVIDE ADEQUATE AND PROPER SUPPORT FOR ALL ELECTRICAL OUTLETS, DEVICES, LIGHT FIXTURES, ETC. BUILT IN OR MOUNTED ON CEILINGS. NO OUTLET BOX, DEVICE, LIGHT FIXTURE, ETC. SHALL BE SUPPORTED FROM ANY ACOUSTICAL CEILING TILE OR DRYWALL CEILINGS. PROVIDE METAL SUPPORTS THAT ARE MADE FOR USE WITH CEILING GRID SYSTEMS OR PROVIDE HANGERS FROM STRUCTURE ABOVE.
 - 4.3. CONDUIT ROUTINGS AND DEVICE / EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY, CONTRACTOR SHALL FIELD ROUTE AND LOCATE AS REQUIRED. CONDUIT ROUTINGS SHALL BE PARALLEL OR PERPENDICULAR TO BUILDING LINES.
 - 4.4. JUNCTION BOXES LOCATED ABOVE CEILING SHALL BE INSTALLED FACING DOWN AND SHALL BE ACCESSIBLE AFTER INSTALLATION.
 - 4.5. COORDINATE ALL ELECTRICAL WORK WITH OTHER TRADES AND STRUCTURAL COMPONENTS.
 - 4.6. THE CONDUIT MATERIAL SHALL BE AS FOLLOWS:
 - 4.6.1. ABOVE GRADE SUBJECT TO PHYSICAL ABUSE - RGS.
 - 4.6.2. ABOVE GRADE NOT SUBJECT TO PHYSICAL ABUSE OR WEATHER - EMT.
 - 4.6.3. INDOORS NOT SUBJECT TO PHYSICAL ABUSE - EMT. OR METAL CLAD CABLE (AS ALLOWED BY LOCAL AUTHORITY HAVING JURISDICTION AND NO MC CABLE IS TO BE INSTALLED WHERE IT WILL BE EXPOSED).
- 4.6.4. FINAL CONDUIT CONNECTIONS TO HEAT PUMPS, AIR HANDLERS, EXHAUST FANS, AND WATER HEATERS SHALL BE LFMC WHETHER INTERIOR OR EXTERIOR.
- 4.7. CONDUIT FITTINGS SHALL BE AS FOLLOWS:
 - 4.7.1. EMT - <2" USE STEEL SET SCREW WITH INSULATED THROATS FOR INTERIOR/ USE COMPRESSION FITTINGS WITH INSULATED THROATS FOR EXTERIOR, >2" USE SET-SCREW STEEL WITH INSULATED THROATS.
 - 4.7.2. RGS - THREADED GALVANIZED STEEL.
 - 4.7.3. PVC - PVC APPROVED FOR THE USE.
 - 4.7.4. FMC - ZINC-PLATED STEEL OR CADMIUM-PLATED MALLEABLE IRON SCREW TYPE WITH INSULATED THROAT.
 - 4.7.5. LFMC - CADMIUM-PLATED MALLEABLE IRON OR STEEL COMPRESSION TYPE WITH INSULATED THROAT.
- 4.8. ALL OUTLET BOXES SHALL BE 4"x4"x1-1/2" DEEP MINIMUM.
- 4.9. ELECTRICAL CONTRACTOR SHALL WORK CLOSELY WITH THE MASONRY CONTRACTOR ON THE INSTALLATION OF ALL ELECTRICAL BOXES, CABINETS, RINGS, ETC. IN MASONRY WALLS. THE BOXES SHALL BE INSTALLED AT THE UNIFORM HEIGHTS CALLED FOR ON THE DRAWINGS AND SPECIFICATIONS. PROVIDE APPROPRIATE DEPTH MASONRY RINGS FOR ALL OUTLETS IN MASONRY WALLS TO INSURE PROPER CUTTING AND FITTING. THE FACE OF THE CABINETS, BOXES, RINGS, ETC. SHALL BE PLUMB AND FLUSH WITH THE FACE OF THE FINISH MATERIAL. ANY CABINET, OUTLET BOX, ETC. NOT MEETING THE ABOVE REQUIREMENT SHALL BE REMOVED AND REINSTALLED AT NO ADDITIONAL COST TO THE OWNER.
- 4.10. ALL DIMENSIONS TO DEVICES AFF SHALL BE TO CENTERLINE UNLESS NOTED OTHERWISE.
- 4.11. WALL OUTLETS SHALL NOT BE INSTALLED BACK TO BACK.
- 4.12. COORDINATE LOCATIONS OF ELECTRICAL EQUIPMENT, DEVICES, OUTLETS, FIXTURES, ETC., WITH ARCHITECTURAL PLANS, ELEVATIONS AND REFLECTED CEILING PLANS PRIOR TO ROUGH-IN WORK.
5. GROUNDING & BONDING:
 - 5.1. PROVIDE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL CONDUITS.
 - 5.2. ALL CABLES SHALL BE COPPER, ALL BOLTED CONNECTIONS SHALL BE BRONZE.
 - 5.3. WHERE AVAILABLE, BOND TO BUILDING STRUCTURAL STEEL, BUILDING FOUNDATION STEEL, METAL WATER SERVICE PIPING.
6. IDENTIFICATION:
 - 6.1. PROVIDE ENGRAVED 1"x3" PHENOLIC LABELS FOR ALL PANELBOARDS, SAFETY SWITCHES, TRANSFORMERS, CABINETS, ETC.
 - 6.2. PAINT THE RACEWAY SYSTEM COUPLINGS AND BOX COVERS ABOVE CEILINGS FOR THE FOLLOWING SYSTEMS AS FOLLOWS:
 - 6.2.1. FIRE ALARM - RED.
 - 6.2.2. 208 VOLT SYSTEMS - BLACK.
 - 6.2.3. 480 VOLT SYSTEMS - BROWN.
 - 6.2.4. AFTER PAINTING, WRITE THE CIRCUIT NUMBER (I.E. "LPA-34") ON ALL BRANCH CIRCUIT JUNCTION BOX COVERS ABOVE CEILING WITH WHITE MARKER.
7. GENERAL WIRING DEVICES:
 - 7.1. SWITCHES - SPECIFICATION GRADE, 20 AMP, COLOR BY ARCHITECT.
 - 7.2. RECEPTACLES - SPECIFICATION GRADE, 20 AMP, NEMA 5-20R, COLOR BY ARCHITECT.
 - 7.3. COVER PLATES - NYLON, COLOR BY ARCHITECT.
 - 7.4. APPROVED MANUFACTURERS - HUBBELL, LEVITON, EAGLE, PASS & SEYMOUR.
8. SAFETY SWITCHES:
 - 8.1. GENERAL DUTY, VISIBLE BLADE, LOCKABLE, QUICK-MAKE/QUICK-BREAK, HORSEPOWER RATED, FUSED WHERE INDICATED.
 - 8.2. PROVIDE WITH GROUND LUG KIT.
 - 8.3. INTERIOR - NEMA 1.
 - 8.4. APPROVED MANUFACTURERS - SQUARE D, GENERAL ELECTRIC, SIEMENS.
9. PANELBOARDS:
 - 9.1. FRONT ACCESSIBLE, BOLT-ON MOLDED CASE C/Bs, COPPER PHASE & NEUTRAL BUSSING, COPPER GROUND BAR, FULLY RATED (SERIES RATING NOT ALLOWED).
 - 9.2. INTERIOR - NEMA 1.
 - 9.3. PROVIDE UPDATED TYPE-WRITTEN DIRECTORY IN CLEAR SLEEVE ON INSIDE OF DOOR.
 - 9.4. APPROVED MANUFACTURERS - SQUARE D, GENERAL ELECTRIC, SIEMENS.
10. LIGHTING:
 - 10.1. PROVIDE A 6'-0" MAXIMUM FLEXIBLE CONNECTION FROM EACH RECESSED LIGHTING FIXTURE TO JUNCTION BOX ABOVE CEILING.
 - 10.2. FOR FIXTURES IN LAY-IN CEILINGS, PROVIDE WIRE SUPPORTS AT ALL FOUR CORNERS OF FIXTURE SEPARATE FROM LAY-IN CEILING WIRE SUPPORTS.

ABBREVIATIONS

A	AMPS	MCM	THOUSAND CIRCULAR MILS
AC	ABOVE COUNTER	MH	MANHOLE
AF	AMP FRAME	MIN	MINIMUM
AFF	ABOVE FINISHED FLOOR	MISC	MISCELLANEOUS
AFG	ABOVE FINISHED GRADE	MLO	MAIN LUGS ONLY
AHU	AIR HANDLING UNIT	MMT	MOUNTING HEIGHT
AL	ALUMINUM	MTG	MOUNTING
ARCH	ARCHITECT OR ARCHITECTURAL	MTS	MANUAL TRANSFER SWITCH
AT	AMP TRIP	MV	MEDIUM VOLTAGE
ATS	AUTOMATIC TRANSFER SWITCH	N1	NEMA 1
ATU	AIR TERMINAL UNIT	N3R	NEMA 3R
AWG	AMERICAN WIRE GAUGE	N/A	NOT APPLICABLE
BAS	BUILDING AUTOMATION SYSTEM	NA	NOT APPLICABLE
BFG	BELOW FINISHED GRADE	NEC	NATIONAL ELECTRICAL CODE
BJ	BONDING JUMPER	NESC	NATIONAL ELECTRICAL SAFETY CODE
BKR	CIRCUIT BREAKER	NEU	NEUTRAL
BLDG	BUILDING	OCPD	OVERCURRENT PROTECTION DEVICE
BOD	BASIS OF DESIGN	OFOI	OWNER FURNISHED OWNER INSTALLED
C	CONDUIT	OFCl	OWNER FURNISHED CONTRACTOR INSTALLED
C/B	CIRCUIT BREAKER	OH	OVERHEAD
CL	CURRENT LIMITING	OHE	OVERHEAD ELECTRIC
C/L	CENTERLINE	OHP	OVERHEAD PRIMARY
CLG	CEILING	OHS	OVERHEAD SECONDARY
CKT	CIRCUIT	PBD	PANELBOARD
CT	CURRENT TRANSFORMER	PF	POWER FACTOR
CU	COPPER	PNL	PANELBOARD
DDC	DIRECT DIGITAL CONTROL	PT	POTENTIAL TRANSFORMER
DEMO	DEMOLISH	PWR	POWER
EC	ELECTRICAL CONTRACTOR	REC	RECEPTACLE
EGC	EQUIPMENT GROUNDING CONDUCTOR	REQD	REQUIRED
ELEC	ELECTRICAL	RM	ROOM
EMGB	ELECTRICAL MAIN GROUNDING BUSBAR	RGS	RIGID GALVANIZED STEEL CONDUIT
EF	EXHAUST FAN	RNC	RIGID NON-METALLIC CONDUIT
EX	EXISTING TO REMAIN	RVSS	REDUCED VOLTAGE SOLID STATE
EXT	EXTERIOR	SA	SURGE ARRESTER
EWC	ELECTRIC WATER COOLER	SCA	SHORT CIRCUIT AMPS
EMT	ELECTRICAL METALLIC TUBING	SF	SUPPLY FAN
EQUIP	EQUIPMENT	SPEC	SPECIFICATION
FMC	FLEXIBLE METAL CONDUIT	SWBD	SWITCHBOARD
FACP	FIRE ALARM SYSTEM CONTROL PANEL	SWGR	SWITCHGEAR
FU	FUSE	TBB	TELECOMMUNICATIONS BONDING BACKBONE
F/A	FIRE ALARM	TR	TELECOMMUNICATIONS ROOM
FLA	FULL LOAD AMPS	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
FLR	FLOOR	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
FVNR	FULL VOLTAGE NON-REVERSING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
GFI	GROUND FAULT INTERRUPTER	TYP	TYPICAL
G	GROUND (OR GFI FOR RECEPTACLE SUBSCRIPT)	UFR	UNDERFLOOR RACEWAY
GC	GENERAL CONTRACTOR	UG	UNDERGROUND
GND	GROUND	UGE	UNDERGROUND ELECTRIC
GEC	GROUNDING ELECTRODE CONDUCTOR	UGP	UNDERGROUND PRIMARY
HH	HANDHOLE	UGS	UNDERGROUND SECONDARY
HOA	HAND-OFF-AUTOMATIC	UL	UNDERWRITERS' LABORATORIES
HP	HEAT PUMP OR HORSEPOWER	UNO	UNLESS NOTED OTHERWISE
HVAC	HEATING, VENTILATION & AIR-CONDITIONING	UPS	UNINTERRUPTIBLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLT
IMC	INTERMEDIATE METAL CONDUIT	VA	VOLT-AMPERES
JB	JUNCTION BOX	VAR	VOLT-AMPERES REACTIVE
k	KILO	VAV	VARIABLE AIR VOLUME UNIT
KAIC	KILO-AMPERE INTERRUPTING CAPABILITY	W	WATTS
KCMIL	THOUSAND CIRCULAR MILS	WAO	WORK AREA OUTLET
LCP	LIGHTING CONTROL PANEL	WP	WEATHERPROOF
LTG	LIGHTING	WSR	WITHSTAND RATING
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT	XFMR	TRANSFORMER
LV	LOW VOLTAGE	XP	EXPLOSION PROOF
MAX	MAXIMUM	φ	PHASE
MCA	MINIMUM CIRCUIT AMPACITY	72°	DEGREES
MCC	MOTOR CONTROL CENTER	Δ	DELTA
MCE	MAIN COMMUNICATIONS EQUIPMENT ROOM	Ω	OHMS



One Houston Street
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ALABAMA STATE PORT AUTHORITY
4th FLOOR INTERIOR - PHASE 1
250 N. WATER STREET
MOBILE, AL

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REVISIONS

MARK	DATE

SHEET NAME

ELECTRICAL LEGEND AND SPECIFICATIONS

PROJECT NO. 2024-1

DATE JUNE 06, 2024

SHEET NO.

E1.0

ACTUAL SHEET SIZE IS 22" x 34"

ELECTRICAL LEGEND

MISCELLANEOUS EQUIPMENT:

- EXHAUST FAN.
- JUNCTION BOX.
- ELECTRICAL CONNECTION TO EQUIPMENT. VERIFY LOCATION WITH EQUIPMENT PROVIDER.

FIRE ALARM SYSTEM:

- FIRE ALARM SYSTEM ADDRESSABLE SINGLE ACTION MANUAL PULL STATION. MOUNT 48" TO TOP OF DEVICE.
- FIRE ALARM SYSTEM AUDIO-VISUAL ALARM. MOUNT 80" AFF TO BOTTOM OF LENS OR 6" FROM THE CEILING, WHICHEVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED.
- FIRE ALARM SYSTEM VISUAL ONLY APPLIANCE. MOUNT 80" AFF TO BOTTOM OF LENS OR 6" FROM THE CEILING, WHICHEVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED.
- FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNT.

LIGHTING FIXTURES:

SEE LIGHTING FIXTURE SCHEDULE FOR SYMBOLS AND DESCRIPTIONS. THE FIXTURE MARK IN AN ENCLOSED SPACE WITH SIMILAR FIXTURES WILL APPLY TO ALL FIXTURES IN THE SPACE.

OTHER:

- CIRCUIT RUN CONCEALED ABOVE CEILING OR IN WALL.
- CIRCUIT RUN CONCEALED IN OR BELOW FLOOR SLAB OR UNDERGROUND.
- HOMERUN TO PANELBOARD. ANY CIRCUIT WITHOUT FURTHER DESIGNATION SHALL BE 2#12, #12G, 3/4" C. TICK MARKS INDICATE # OF CONDUCTORS (EGC NOT SHOWN). MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 50 FEET SHALL BE #10 AWG. MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 100 FEET SHALL BE #8 AWG. MINIMUM SIZE ON 277V HOMERUNS GREATER THAN 100 FEET SHALL BE #10 AWG. INCREASE CONDUIT SIZE AS REQUIRED PER NEC. UNDERLINED TEXT INDICATES CIRCUIT DESIGNATION.
- LOW VOLTAGE CABLE AS SPECIFIED BY THE MANUFACTURER.
- OCCUPANCY SENSORS:**
 - WALL MOUNTED LINE VOLTAGE DUAL TECHNOLOGY SWITCH WITH SINGLE RELAY. MOUNT 48" AFF UNLESS NOTED OTHERWISE. SWITCH SHALL BE PROGRAMMED TO BE MANUAL ON.
 - CEILING MOUNTED LOW VOLTAGE 360° DUAL TECHNOLOGY (PASSIVE INFRARED & ULTRASONIC) OCCUPANCY SENSOR.
 - DIMMING POWER PACK. PROVIDE WITH NEMA 1 ENCLOSURE.

GENERAL ELECTRICAL DEVICES:

- SINGLE POLE LIGHTING SWITCH. MOUNT 48" TO TOP OF BOX AFF UNLESS NOTED OTHERWISE. SUBSCRIPT INDICATES AS FOLLOWS:
 - M - 30 AMP TWO POLE MOTOR RATED SWITCH MOUNTED AT THE EQUIPMENT. PROVIDE PHENOLIC LABEL.
- DUPLEX RECEPTACLE NEMA 5-20R. MOUNT 18" AFF UNLESS NOTED OTHERWISE. VERIFY DUPLEX MOUNTING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. SUBSCRIPT INDICATES AS FOLLOWS:
 - G - GROUND FAULT CIRCUIT INTERRUPTER TYPE.
 - 84" - MOUNTING HEIGHT OF DEVICE AFF.
 - 21 - # INDICATES PANELBOARD CKT NUMBER
- ROUGH-IN FOR COMMUNICATIONS OUTLET (CO). MOUNT ON WALL AT 18" AFF UNLESS SUBSCRIPTED OTHERWISE. INCLUDE 1" EMT FROM ROUGH-IN BOX STUBBED ABOVE CEILING. TERMINATE WITH BUSHING (ON BOTH ENDS) AND PROVIDE PULL STRING.

DISTRIBUTION & POWER EQUIPMENT:

- PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.



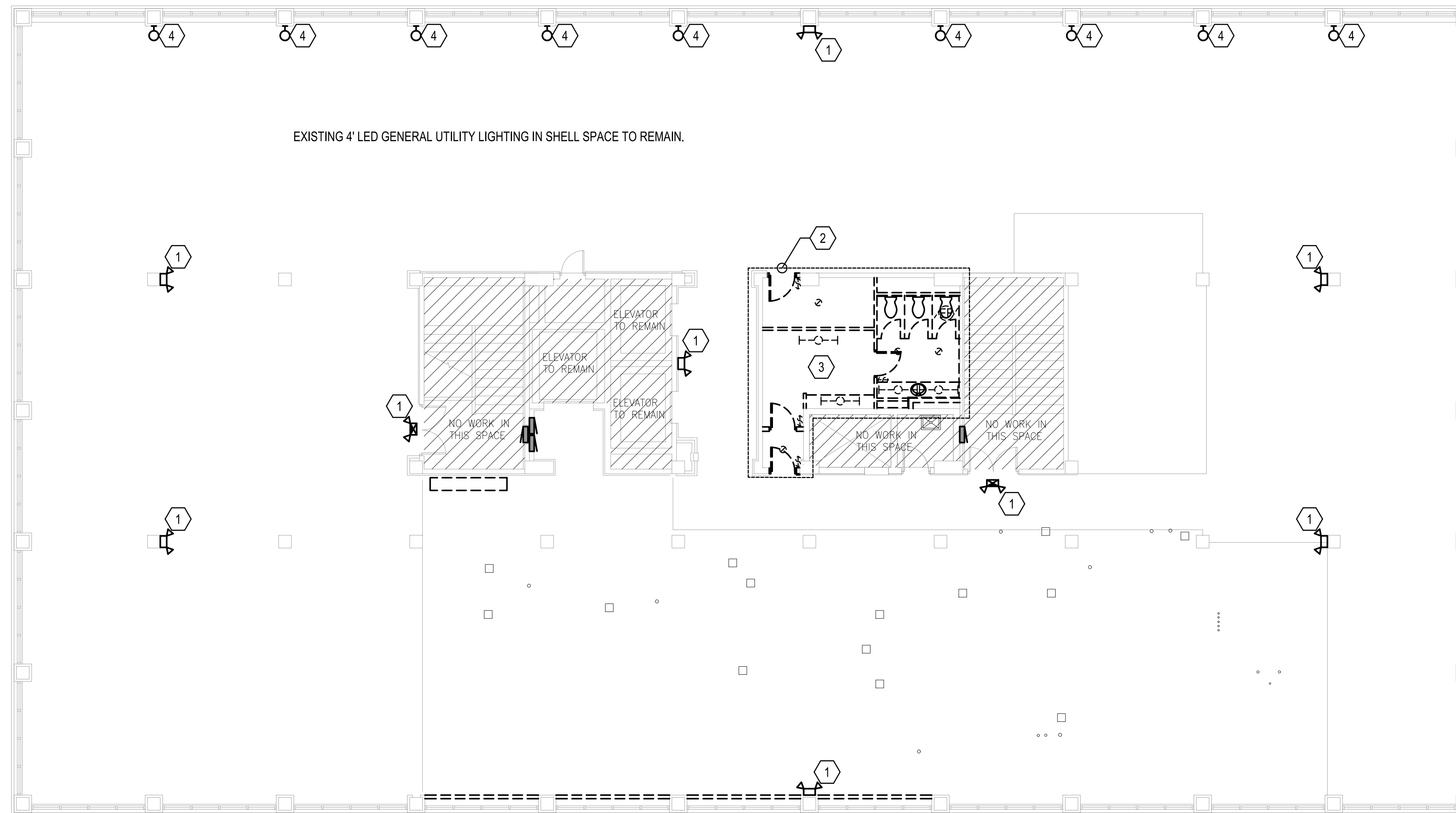
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 4th FLOOR INTERIOR - PHASE 1
 250 N. WATER STREET
 MOBILE, AL

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REVISIONS	
MARK	DATE

SHEET NAME
**4th FLOOR
 LTG PLAN
 - DEMOLITION**
 PROJECT NO. 2024-1
 DATE JUNE 06, 2024
 SHEET NO.

E2.0

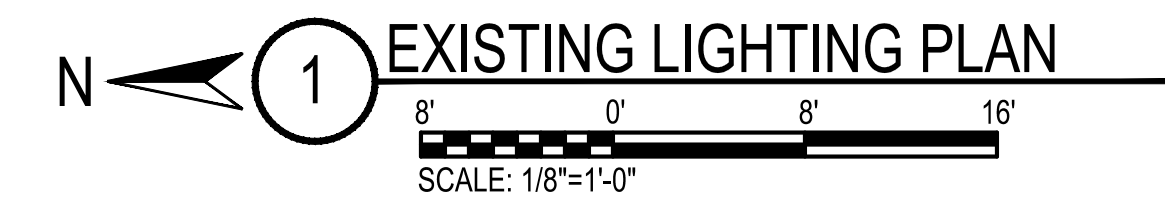


EXISTING WORK GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK PRIOR TO SUBMITTING A BID. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UNDERSTAND AND PROVIDE AND INSTALL ALL NECESSARY COMPONENTS TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS (INCLUDING BUT NOT LIMITED TO SUPPORTS, BRACING, PATCHING, ETC.).
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL WALLS TO BE DEMOLISHED AND TO REMAIN WITH ARCHITECTURAL PLANS PRIOR TO BEGINNING ANY WORK.

EXISTING WORK SHEET NOTES

1. EXISTING EMERGENCY EGRESS FIXTURE TO REMAIN. THE CONTRACTOR SHALL ENSURE THE OPERABILITY OF THE FIXTURE AND REPLACE TO MATCH EXISTING IF NOT OPERABLE. FIXTURES LOCATED ON WALLS BEING REFINISHED SHALL BE REMOVED AND PROTECTED DURING THE DEMOLITION PHASE AND REINSTALLED DURING THE NEW WORK PHASE.
2. THIS RESTROOM AND ADJACENT STORAGE SPACE IS TO BE COMPLETELY RENOVATED AS A PART OF THIS PROJECT. THE ELECTRICAL CONTRACTOR SHALL COMPLETELY REMOVE ALL LIGHTING FIXTURES AND WIRING DEVICES. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX TO REMAIN. PROVIDE NEW FIXTURES AND WIRING DEVICES PER NEW WORK PLANS.
3. SECURE AND PREPARE EXISTING LIGHTING CIRCUIT FOR CONNECTION TO NEW FIXTURES AND CONTROLS DURING THE NEW WORK PHASE.
4. EXISTING WALL MOUNTED FIXTURE TO BE COMPLETELY REMOVED. REMOVE EXISTING CONDUCTORS BACK TO NEAREST JUNCTION BOX TO REMAIN. PATCH WALL OR PROVIDE BLANK PLATE FOR EXISTING BOX AS DIRECTED BY THE ARCHITECT.





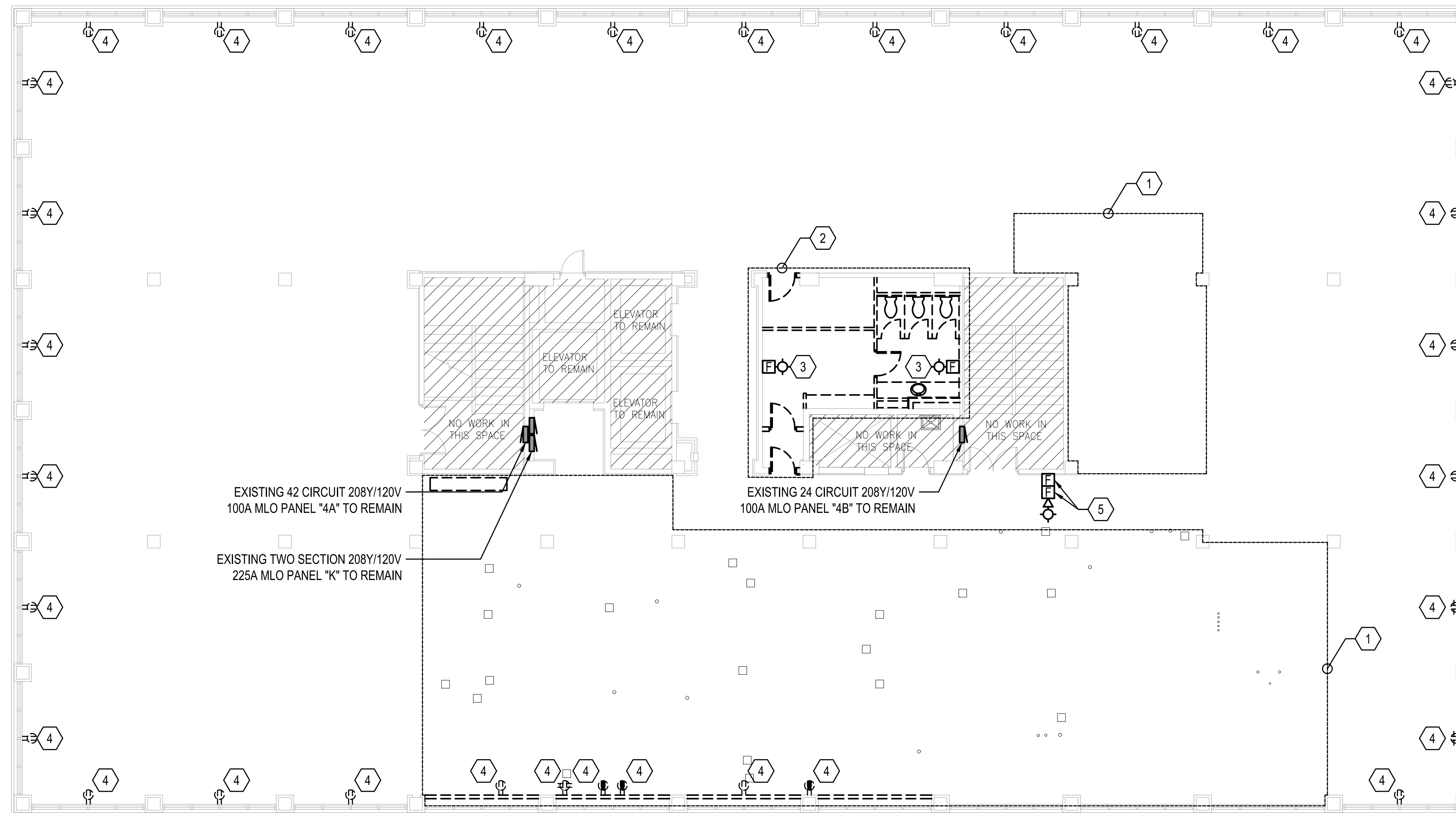
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 250 N. WATER STREET
 MOBILE, AL

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REVISIONS	
MARK	DATE

SHEET NAME
4th FLOOR POWER PLAN - DEMOLITION
 PROJECT NO. 2024-1
 DATE JUNE 06, 2024
 SHEET NO.

E3.0

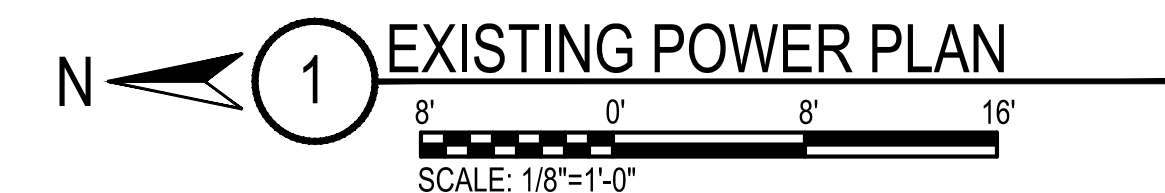


EXISTING WORK GENERAL NOTES

1. THE CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK PRIOR TO SUBMITTING A BID. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UNDERSTAND AND PROVIDE AND INSTALL ALL NECESSARY COMPONENTS TO FULFILL THE INTENT OF THE CONTRACT DOCUMENTS (INCLUDING BUT NOT LIMITED TO SUPPORTS, BRACING, PATCHING, ETC.).
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL WALLS TO BE DEMOLISHED AND TO REMAIN WITH ARCHITECTURAL PLANS PRIOR TO BEGINNING ANY WORK.

EXISTING WORK SHEET NOTES

- 1 THE SLAB IN THIS AREA IS TO BE PREPPED AND RE-POURED AS A PART OF THIS PROJECT BY OTHERS. THERE ARE MULTIPLE LOCATION WHERE EXISTING CONDUIT IS STUBBED UP THROUGH THE EXISTING SLAB. THE ELECTRICAL CONTRACTOR SHALL INVESTIGATE ALL STUB UP CONDUIT LOCATIONS AND PREPARE THEM FOR THE NEW SLAB:
 1. THE ELECTRICAL CONTRACTOR SHALL REMOVE ANY EXISTING CONDUCTORS FROM THE EXISTING CONDUITS.
 2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ENSURE EXISTING STUB UPS ARE CUT AND CAPPED AS REQUIRED FOR THE NEW SLAB.
- 2 THIS RESTROOM IS TO BE COMPLETELY RENOVATED AS A PART OF THIS PROJECT. THE ELECTRICAL CONTRACTOR SHALL COMPLETELY REMOVE ALL LIGHTING FIXTURES AND WIRING DEVICES. THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO NEAREST JUNCTION BOX TO REMAIN. PROVIDE NEW FIXTURES AND WIRING DEVICES PER NEW WORK PLANS.
- 3 EXISTING FIRE ALARM NOTIFICATION DEVICE TO BE REMOVED DURING THE DEMOLITION PHASE AND REINSTALLED PER NEW WORK PHASE.
- 4 EXISTING RECEPTACLE ON PERIMETER WALL TO BE REMOVED AND REPLACED NEW PER NEW WORK PLANS.
- 5 EXISTING FIRE ALARM DEVICE TO BE REMAIN.





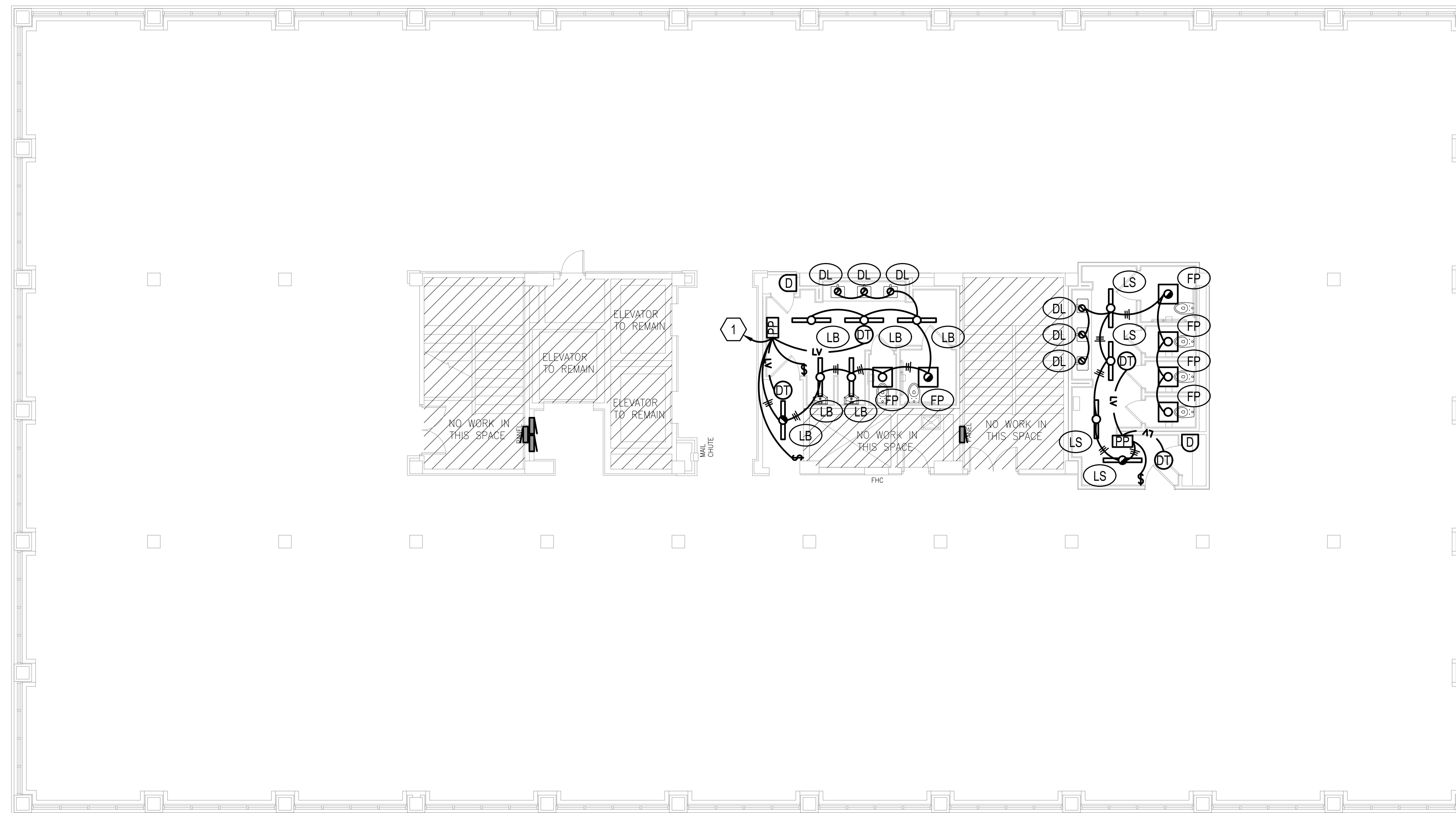
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 4th FLOOR INTERIOR - PHASE 1
 250 N. WATER STREET
 MOBILE, AL

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REVISIONS	
MARK	DATE

SHEET NAME
**4th FLOOR
 LTG PLAN
 - NEW WORK**
 PROJECT NO. 2024-1
 DATE JUNE 06, 2024
 SHEET NO.

E4.0

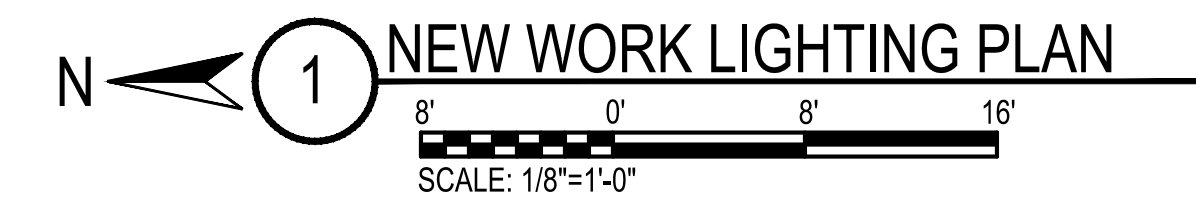


NEW WORK GENERAL NOTES

1. THE FOURTH FLOOR (OUTSIDE THE CORE STAIR / RESTROOM AREA) HAS BEEN GUTTED INTO A SHELL SPACE. EXISTING BREAKERS MADE AVAILABLE DURING THE DEMOLITION OF THE FOURTH ARE TO BE UTILIZED FOR NEW WORK. ALL NEW WORK IS TO BE PROVIDED WITH NEW CONDUIT AND CONDUCTORS. THE CEILING IN THE SHELL SPACE WILL BE EXPOSED AND OPEN TO STRUCTURE. ALL NEW CONDUIT TO EMT AND ROUTED PERPENDICULAR WITH THE BUILDING STRUCTURE IN A NEAT AND WORKMANSHIP MANNER.

NEW WORK SHEET NOTES

1. CONNECT TO EXISTING LIGHTING CIRCUIT MADE AVAILABLE DURING THE DEMOLITION PHASE.





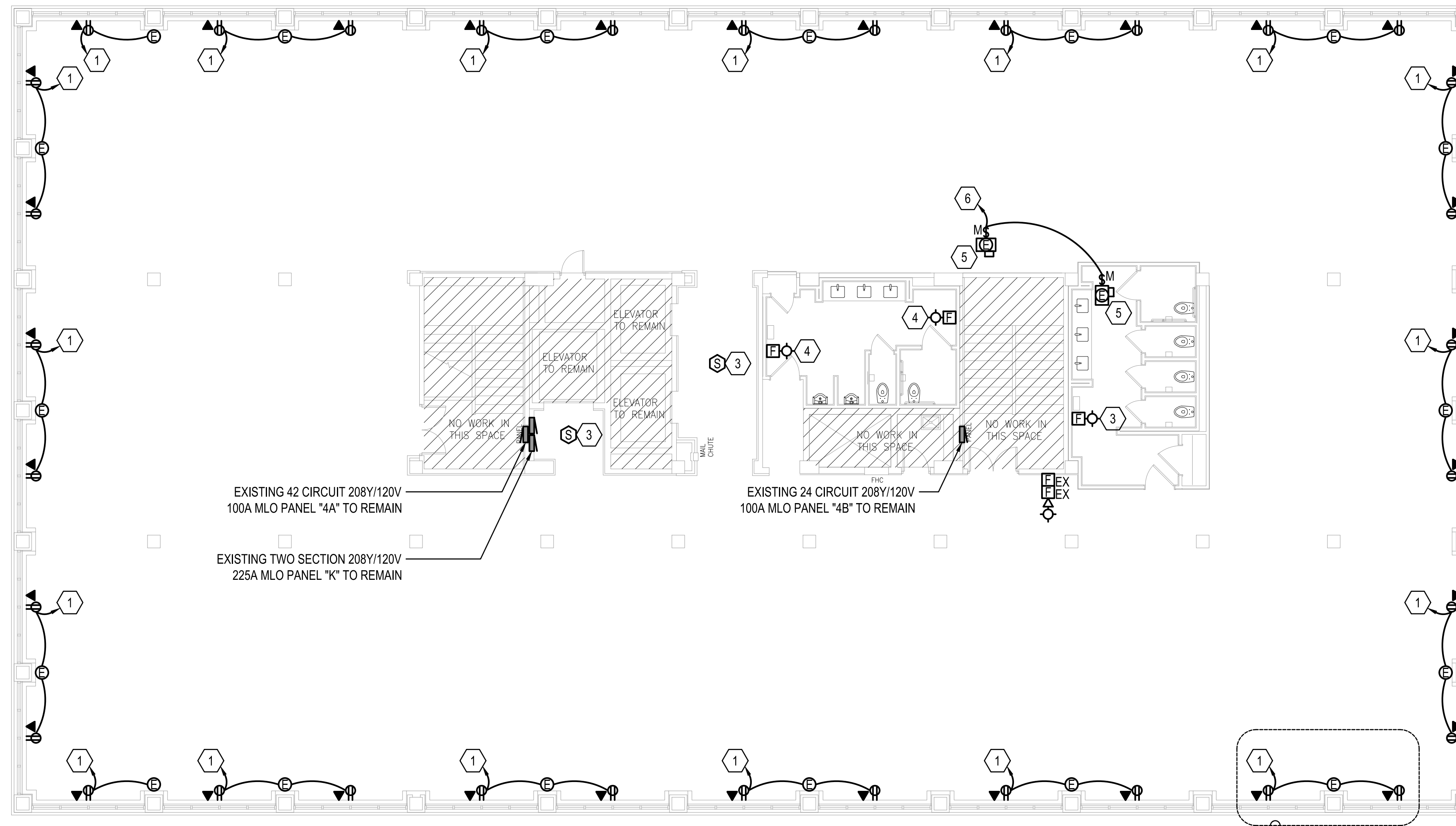
ALABAMA STATE PORT AUTHORITY
 4th FLOOR INTERIOR - PHASE 1
 250 N. WATER STREET
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REVISIONS	
MARK	DATE

SHEET NAME
4th FLOOR POWER PLAN - NEW WORK
 PROJECT NO.
 2024-1
 DATE
 JUNE 06, 2024
 SHEET NO.

E5.0



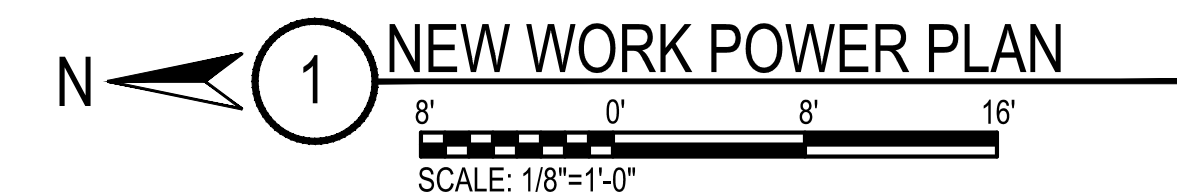
2 TYPICAL - SEE DETAIL #1 "COLUMN CONDUIT ROUTING DETAIL" ON SHEET E6.0 FOR MORE INFORMATION.

NEW WORK GENERAL NOTES

- 1. THE FOURTH FLOOR (OUTSIDE THE CORE STAIR / RESTROOM AREA) HAS BEEN GUTTED INTO A SHELL SPACE. EXISTING BREAKERS MADE AVAILABLE DURING THE DEMOLITION OF THE FOURTH ARE TO BE UTILIZED FOR NEW WORK. ALL NEW WORK IS TO BE PROVIDED WITH NEW CONDUIT AND CONDUCTORS. THE CEILING IN THE SHELL SPACE WILL BE EXPOSED AND OPEN TO STRUCTURE. ALL NEW CONDUIT TO EMT AND ROUTED PERPENDICULAR WITH THE BUILDING STRUCTURE IN A NEAT AND WORKMANSHIP MANNER.

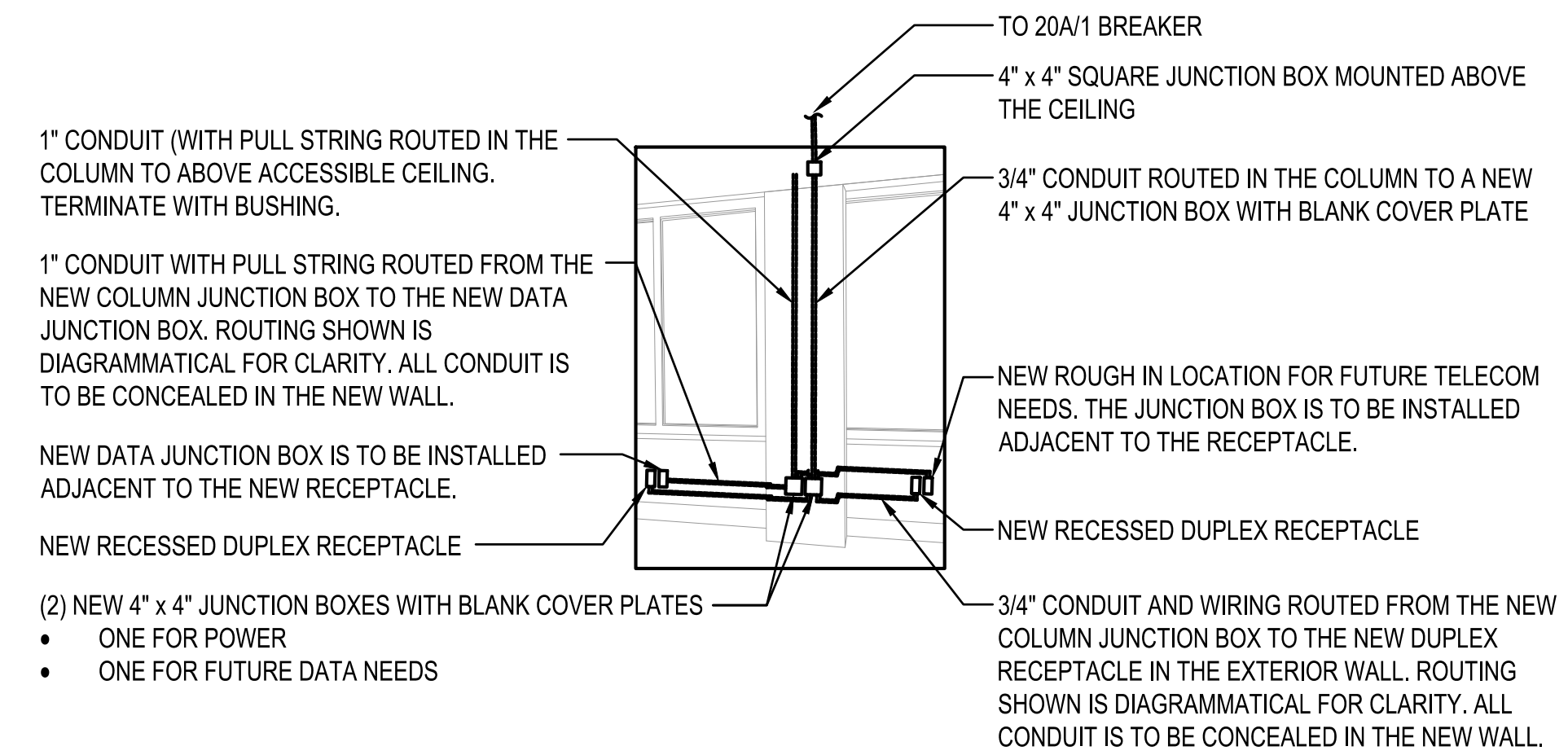
NEW WORK SHEET NOTES

- 1 CONNECT TO EXISTING RECEPTACLE CIRCUIT MADE AVAILABLE DURING THE DEMOLITION PHASE.
- 2 THE PERIMETER WALLS ARE GOING TO BE REFINISHED AS A PART OF THIS PROJECT BY OTHERS. THE NEW RECEPTACLES CENTERED UNDER THE WINDOWS ARE TO BE FED BY A NEW CIRCUIT THAT IS ROUTED DOWN THE FACE OF THE COLUMN (CONCEALED BY THE NEW WALL FINISH MATERIAL) TO A JUNCTIONS BOX WITH A BLANK PLATE AND THEN FROM THE NEW JUNCTION BOX, AROUND THE COLUMN, TO THE RECEPTACLE LOCATION.
- 3 NEW FIRE ALARM DEVICE PROVIDED AND INSTALLED BY OWNER. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A JUNCTION BOX AT THIS LOCATION WITH A 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING (WITH PULL STRING) IN PREPARATION FOR THE NEW DEVICE. SEE LEGEND FOR MOUNTING HEIGHT.
- 4 NEW LOCATION FOR EXISTING FIRE ALARM DEVICE. EXISTING SYSTEM TO BE TESTED AND RECERTIFIED PER NFPA 72 UPON COMPLETION OF DEVICE INSTALLATION. SEE LEGEND FOR MOUNTING HEIGHT. COORDINATE WITH OWNER FOR COMPANIES APPROVED FOR RECERTIFYING SYSTEM IN BUILDING.
- 5 APPROXIMATE LOCATION OF NEW VAV BY OTHERS. THE ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE FINAL LOCATION AND POWER CONNECTION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH IN.
- 6 THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL A NEW 20/1 BREAKER IN EXISTING PANEL "4A" TO SERVE THE NEW VAV CIRCUIT. THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NE W2#12, #12G IN 3/4" CONDUIT FROM THE NEW 20/1 (10K AIC) BREAKER TO THE NEW VAV LOCATION.

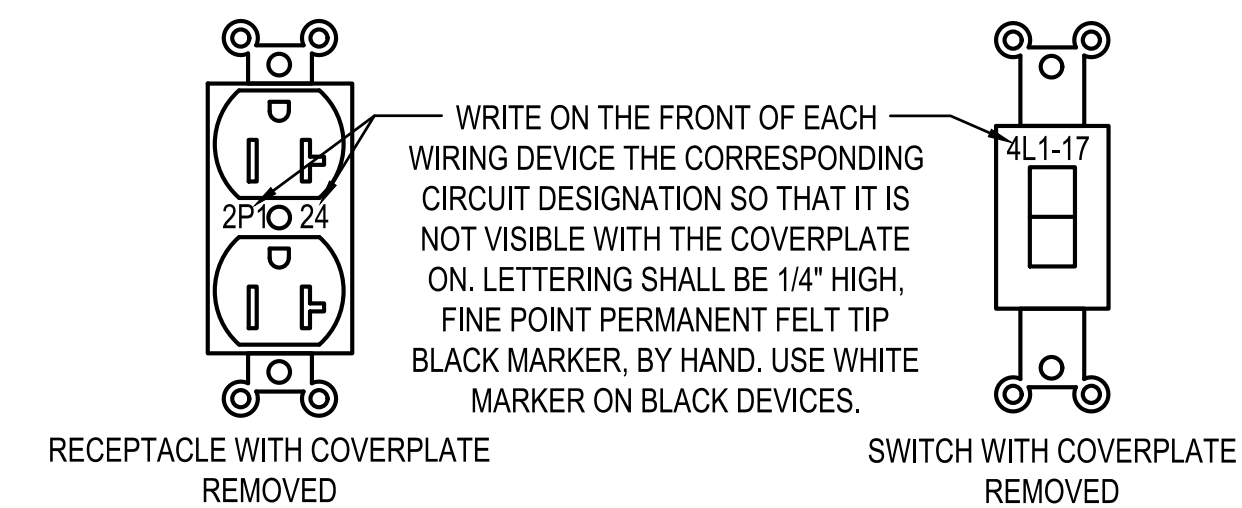


LIGHTING FIXTURE SCHEDULE						
MARK	MANUFACTURER AND CATALOG NUMBER	LAMPS	TOTAL WATTS	VOLTAGE	MOUNTING	NOTES
		TYPE				
DL	SHAPER LIGHTING 340-4C-20-D010	LED	22.6	MVOLT	SEMI RECESSED	4" SEMI RECESSED DIMMABLE LED DECORATIVE FIXTURE GLASS TRIM OPTION TO BE SELECTED BY ARCHITECT PRIOR TO ORDER PROVIDE INTEGRAL BATTERY BACK UP AS INDICATED
LS	STARTEK LIGHTING AMERICA SLIMD-4-750-WD-35K-80-PX-XX-U-1C	LED	25	MVOLT	SUSPENDED	2" WIDE 4' LONG SLIM BEAM DIMMABLE LED FIXTURE COLOR & MOUNTING TO BE COORDINATED WITH ARCHITECT PRIOR TO ORDER PROVIDE INTEGRAL BATTERY BACK UP AS INDICATED
LB	STARTEK LIGHTING AMERICA SBEAMD-4-750-WD-35K-80-PX-SM-U-1C	LED	25	MVOLT	SURFACE	2" WIDE 4' LONG SLIM BEAM DIMMABLE SURFACE MOUNTED LED FIXTURE PROVIDE ALL MOUNTING HARDWARE FOR A SECURE INSTALLATION ON A GRID CEILING PROVIDE INTEGRAL BATTERY BACK UP AS INDICATED
FP	LITHONIA LIGHTING CPX-2X2-AL07-80CRI-SWW7-SWL-MVOLT-	LED	19.3	MVOLT	RECESSED	2X2 DIMMABLE LED FLAT PANEL PROVIDE INTEGRAL BATTERY BACK UP AS INDICATED
WL	LITHONIA LIGHTING WL2-08L-GZ1-LP835-PAF	LED	7.5	MVOLT	SURFACE	2' LED DIMMABLE UTILITY FIXTURE TO BE MOUNTED ON WALL ABOVE DOOR IN CLOSET SPACE
NOTES	FIXTURES WITH HALF FILLED IN CENTER AND DENOTED WITH AN "E" SHALL BE PROVIDED WITH AN EMERGENCY BALLAST, 1100 LUMENS OR THE MAXIMUM AVAILABLE FOR THE FIXTURE. ALL FIXTURES ARE TO BE DIMMABLE. ALL FIXTURES TO BE APPROVED BY ARCHITECT PRIOR TO ORDER. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED FOR A FULL AND NEAT INSTALLATION.					

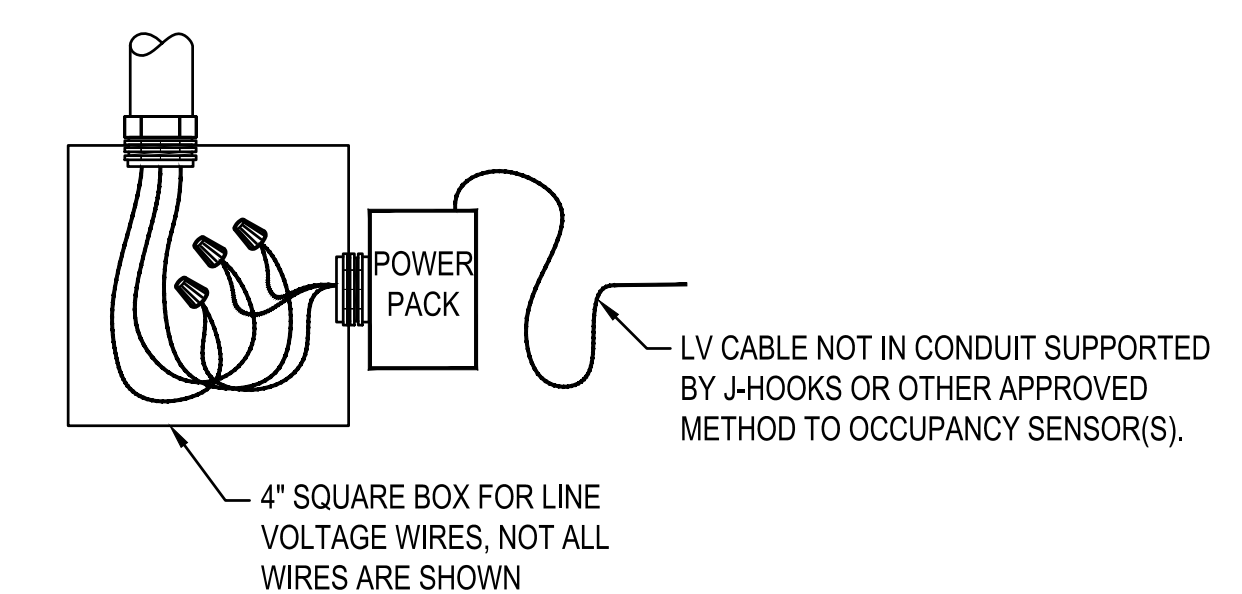
IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO ENSURE ADEQUATE SPACE IS AVAILABLE FOR THE INSTALLATION OF ALL FIXTURES AND THAT ALL FIXTURES AND ASSOCIATED HOUSING CAN BE INSTALLED IN THE EXISTING SPACE PRIOR TO ORDER.
 ALL CONFLICTS ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT / ENGINEER PRIOR TO FIXTURE ORDER.
 ENSURE ALL FIXTURES ARE SUPPORTED FROM THE STRUCTURE AND NOT FROM THE CEILING GRID SYSTEM.



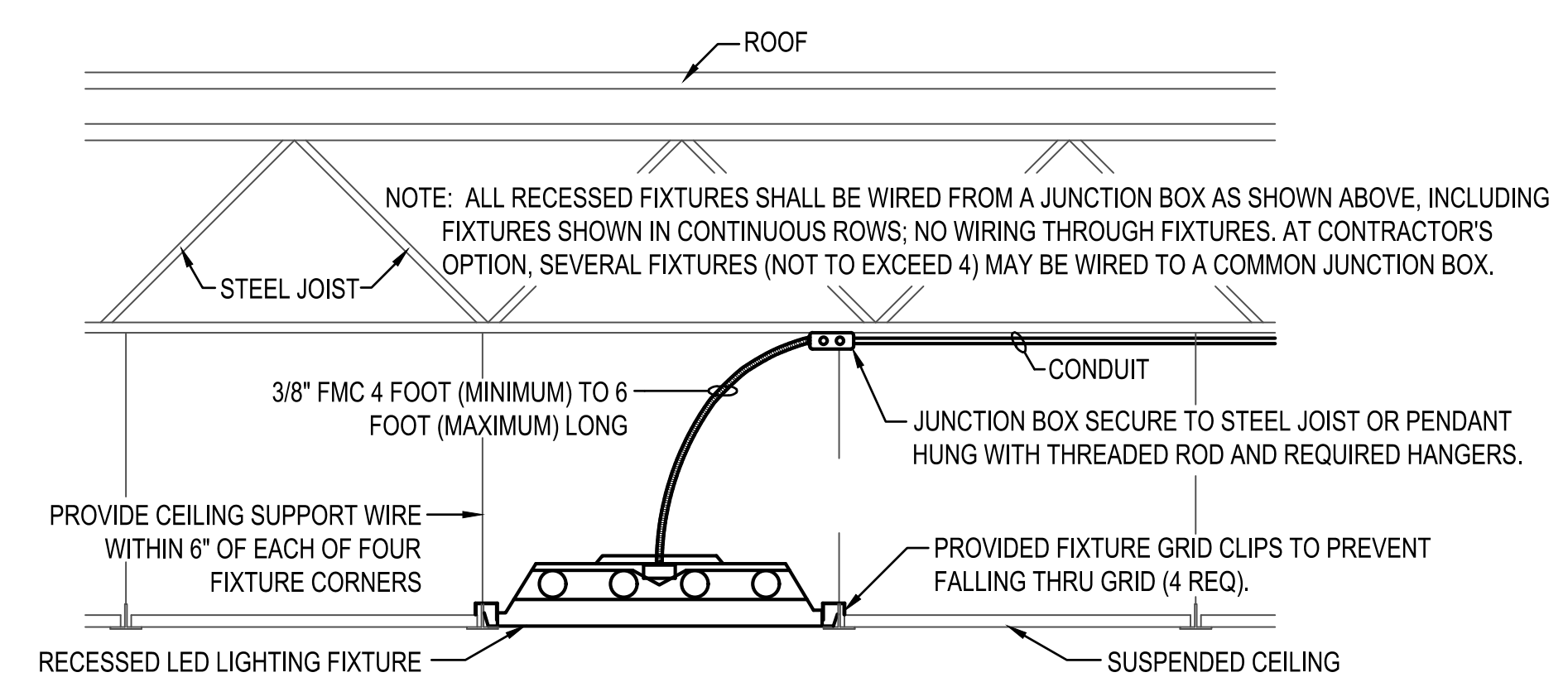
1 COLUMN CONDUIT ROUTING DETAIL (TYPICAL - SEE NEW WORK POWER PLAN FOR MORE INFORMATION)
NOT TO SCALE



2 WIRING DEVICE LABEL DETAIL
NOT TO SCALE



3 OCCUPANCY SENSOR POWER PACK DETAIL
NOT TO SCALE



4 TYPICAL FIXTURE INSTALLATION DETAIL
NOT TO SCALE

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information
 Energy Code: 2015 IECC
 Project Title: ASPA 4th Floor Shell Renovation - Phase I
 Project Type: Alteration

Construction Site: 250 N. Water Street, Mobile, Alabama 36602
 Owner/Agent: _____ Designer/Contractor: _____

A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Common Space Types: Restrooms	530	0.98	519
Total Allowed Watts =			519

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E
Common Space Types: Restrooms (530 sq.ft.)				
LED: DL: Other:	1	6	23	136
LED: LS: Other:	1	4	25	100
LED: FP: Other:	1	6	19	116
LED: WL: Other:	1	2	8	15
LED: LB: Other:	1	6	25	150
Total Proposed Watts =			516	

Interior Lighting PASSES

Interior Lighting Compliance Statement
 Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

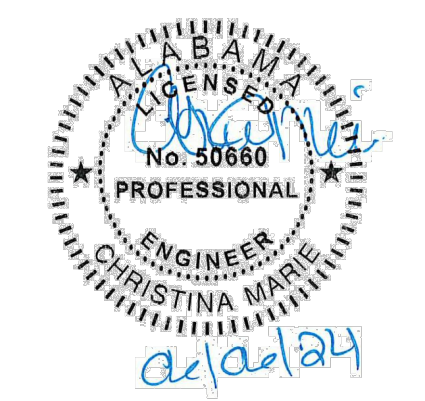
Name - Title _____ Signature _____ Date _____

Project Title: ASPA 4th Floor Shell Renovation - Phase I Report date: 06/05/24
 Data filename: _____ Page 1 of 4

JAGUAR CONSULTING
 CHRISTINA MARIE P.E.
 PE 50660 - ECA 50377
 C: (251) 455-9189
 JaguarEngineers@Yahoo.Com

CUMMINGS ARCHITECTURE
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ALABAMA STATE PORT AUTHORITY
 4th FLOOR INTERIOR - PHASE 1
 250 N. WATER STREET
 MOBILE, AL

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REVISIONS

MARK	DATE

SHEET NAME
ELECTRICAL DETAILS AND SCHEDULES
 PROJECT NO. 2024-1
 DATE JUNE 06, 2024
 SHEET NO.

E6.0

ACTUAL SHEET SIZE IS 22" x 34"

Features

- Washout urinal.
- 3/4" top spud.
- 0.125 gpf (0.47 lpf) to 1.0 gpf (3.8 lpf).
- 14" (356 mm) extended rim.
- Will replace K-4904-ET.

Material

- Vitreous china.

Water Conservation & Rebates

- WaterSense-compliant when used with a 0.125 gpf or 0.5 gpf WaterSense flushometer.

Recommended Accessories

- K-10668 WaterSense® 0.125 gpf Exposed Flushometer
- K-10949 Tripoint™ DC 1/8 GPF Urinal Flushometer
- K-13520 WaterSense® 0.125 gpf Exposed Flushometer
- K-7528 WAVE HES 1/8 GPF Urinal Flushometer
- K-7546 Tripoint™ HES 1/8 GPF Urinal Flushometer
- K-10675 WAVE DC 0.5 GPF Urinal Flushometer
- K-10958 Tripoint™ DC 0.5 GPF Urinal Flushometer
- K-7537 0.5 gpf Exposed Flushometer
- K-7526 WAVE HES 0.5 GPF Urinal Flushometer
- K-13519 0.5 gpf Exposed Flushometer
- K-10676 WAVE DC 1.0 GPF Wshdwn Flushometer
- K-10960 1.0 gpf Exposed Flushometer
- K-13518 1.0 gpf Exposed Flushometer
- K-7539 Tripoint™ HES 1.0 GPF Blwout Flushometer
- K-7542 1.0 gpf Exposed Flushometer
- K-7527 1.0 gpf Exposed flushometer

Components

Additional included component/s: 3/4" inlet spud, 2" outlet spud, Strainer, and Hangers (2).



ADA

Codes/Standards

ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
EPA WaterSense®
ADA
ICC/ANSI A117.1

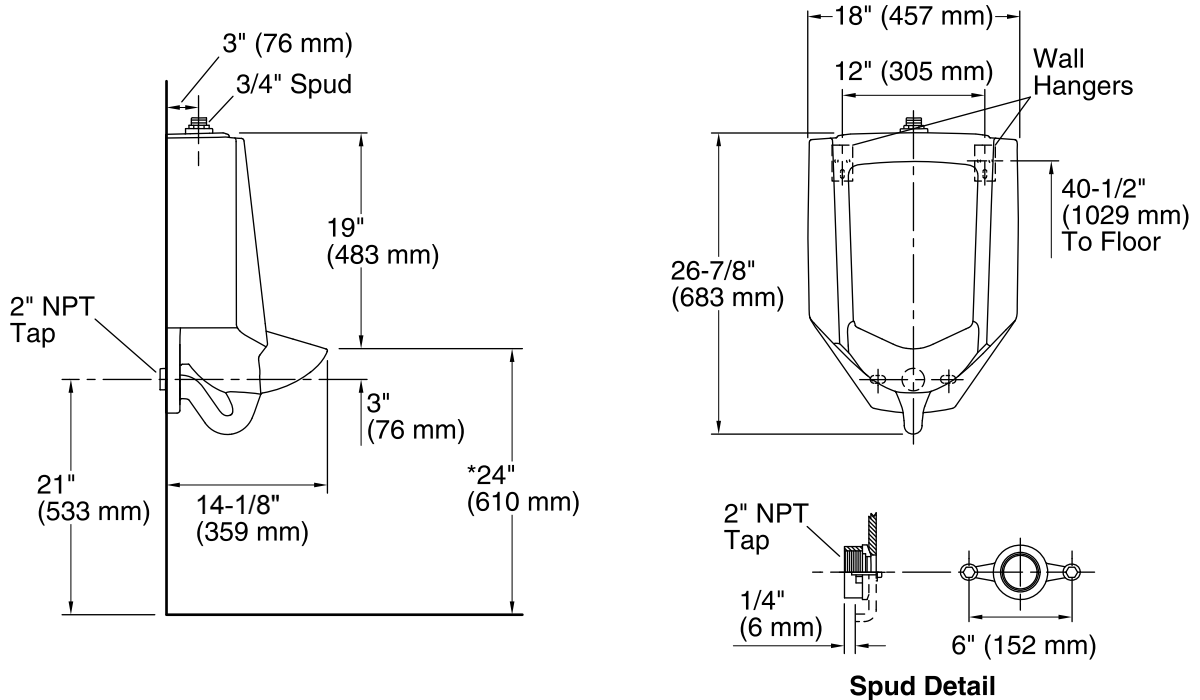
KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	47	Almond
	7	Black Black™
	96	Biscuit



Technical Information

All product dimensions are nominal.

Flush outlet technology: Washout

Spud size: 3/4", Inlet, Top

Min. Water per Flush: 0.125 gal (0.5 L)

Max. Water per Flush: 1 gal (3.8 L)

Designed for the above water use when installed with a water-saving flushometer.

Notes

Install this product according to the installation guide.

Refer to manufacturer's instructions and local codes for flushometer requirements.

ADA compliant when installed to the specific requirements of these regulations.



Wellcomme™ Ultra

Elongated Floor Mount, Flushometer Bowl
K-96053

Features

- Elongated, Standard height bowl.
- 1-1/2" top spud.
- 10" x 7" water surface size.
- 2-1/8" glazed trapway.
- Also available with antimicrobial finish K-96053-SS.

Material

- Vitreous china.

Technology

- Designed to outperform competitors in bowl cleanliness and plug resistance.
- Maximum waste removal.
- Engineered for toilet seat cover removal.
- Excellent bowl rinse.
- Engineered to flush effectively in buildings with low supply pressure and flow*.
- Maximum drain line carry at all flush volumes per ASME Standard.

Installation

- 26-3/8" L x 14-7/8" W x 15-1/4" H
- 10" or 12" rough-in
- Replaces Wellcomme K-4350 and Wellworth K-4406. Height and footprint may vary.

Water Conservation & Rebates

- 1.1 to 1.6 gpf flush range (1.1, 1.28 and 1.6 gpf).
- WaterSense compliant when used with a 1.1 or 1.28 gpf WaterSense flushometer.

Optional Accessories

- K-4731-C Commercial Heavy-Duty Toilet Seat
- K-4731-CA Commercial Heavy-Duty Toilet Seat
- K-7531 Tripoint™ HES 1.28 GPF WC Flushometer
- K-7535 Tripoint™ HES 1.6 GPF WC Flushometer
- K-7521 WAVE HES 1.28 GPF WC Flushometer
- K-7523 WAVE HES 1.6 GPF WC Flushometer
- K-10673 WAVE Touchless Toilet 1.28 gpf Flushometer
- K-10674 Wave DC 1.6 GPF WC Flushometer
- K-76320 Manual 1.1 GPF WC Flushometer
- K-76321 Manual 1.28 GPF WC Flushometer
- K-76322 Manual 1.6 GPF WC Flushometer

Components

Additional included component/s: Spud, and Bolt Cap Accessory Pack.



Codes/Standards





ASME A112.19.2/CSA B45.1
DOE - Energy Policy Act 1992
EPA WaterSense®
California Energy Commission (CEC)

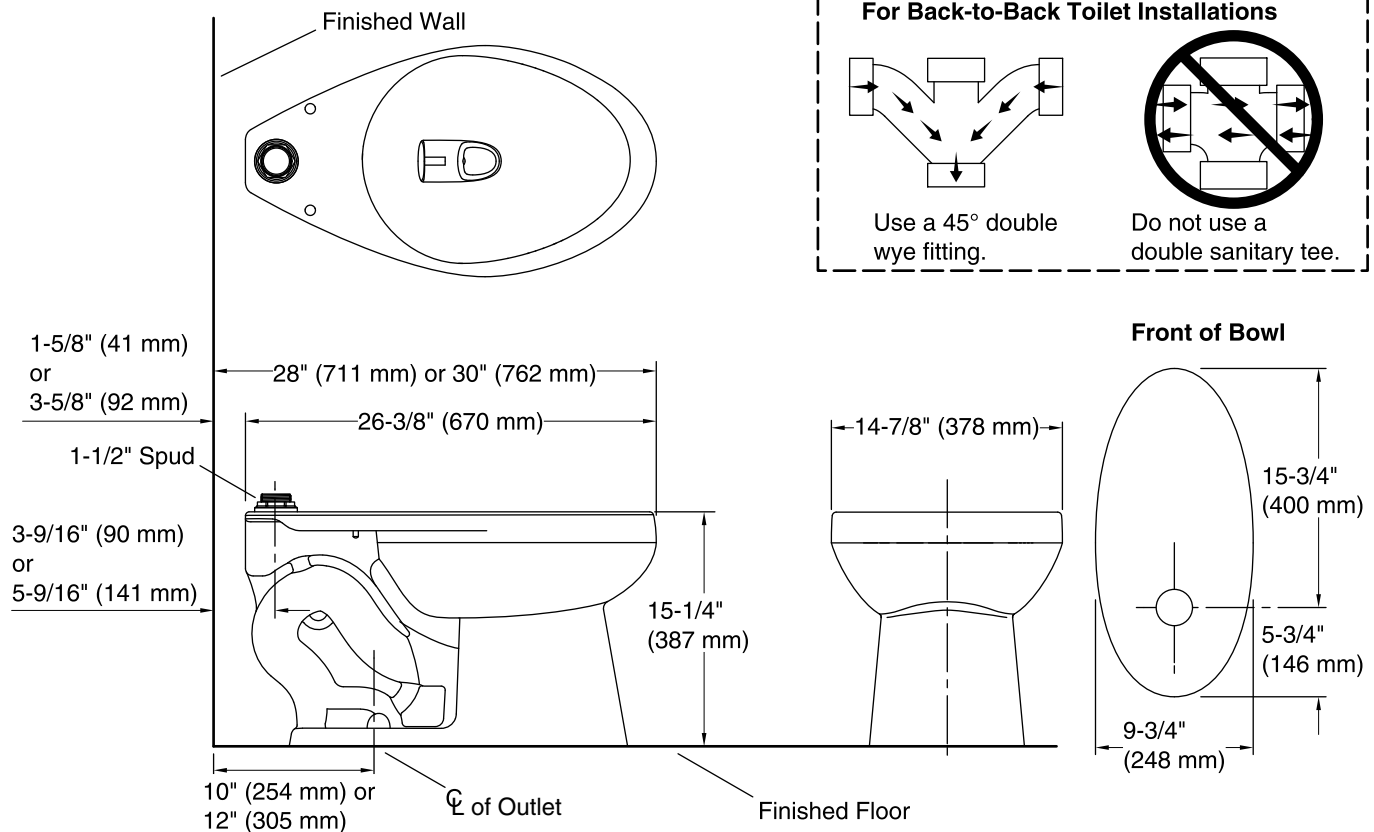
KOHLER® One-Year Limited Warranty

See website for detailed warranty information.

Available Color/Finishes

Color tiles intended for reference only.

Color	Code	Description
	0	White
	96	Biscuit
	47	Almond
	7	Black Black™



Technical Information

All product dimensions are nominal.

Toilet type:	Flushometer, Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated front
Flush type:	Flushometer valve siphon
Spud size:	1-1/2", Inlet, Top
Trap passageway:	2-1/8" (54 mm)
Water Consumption	
Full:	1.1 gpf (4.3 lpf) or 1.28 gpf (4.8 lpf) or 1.6 gpf (6 lpf)
Water surface size:	10" x 7" (254 mm x 178 mm)
Rim to water surface:	6" (152 mm)
Rough-in:	10" or 12" (254 or 305 mm)
Seat-mounting holes:	5-1/2" (140 mm)

Fixture Supply Requirements

Min static pressure:	35 psi (241.3 kPa)
Max static pressure:	80 psi (551.6 kPa)
Min flowing pressure:	25 psi (172.4 kPa)
Min flow rate:	25 gpm (94.6 lpm)

Notes

Install this product according to the installation instructions.

For back-to-back toilet installations: Use only a 45° double wye fitting.

If Fixture Supply Pressure is below 35 psi static, then fixture must be paired with a valve rated at 1.28 gpf or greater.

Requires flushometer valve to match desired water consumption 1.1 gpf (4.3 lpf) or 1.28 gpf (4.8 lpf) or 1.6 gpf (6 lpf).

Features

- Ideal for commercial installations
- Antimicrobial finish inhibits the growth of mold-, mildew-, stain-, and odor-causing bacteria on the fixture surface. This product does not protect users against bacteria, viruses, or other disease organisms. Always clean and wash this product thoroughly before and after each use
- Elongated bowl offers added room and comfort
- 2-1/8" (54 mm) fully glazed trapway
- Combines with a K-25100, K-25100-RA, K-25100-T or K-25100-TR tank to create a complete K-25077-SS, K-25077-SSRA, K-25077-SST or K-25077-SSTR Kingston two-piece toilet

Installation

- Three-bolt quick-connect installation
- Standard 12" (305 mm) rough-in
- Seat sold separately

Recommended Products/Accessories

K-23726 Drain treatment



ADA

CSA B651

OBC

Codes/Standards

ASME A112.19.2/CSA B45.1

EPA WaterSense®

ADA

ICC/ANSI A117.1

CSA B651

OBC


KOHLER® Toilets and Seats Limited Warranty

See website for detailed warranty information.

Available Colors/Finishes

Color tiles intended for reference only.

Color	Code	Description
-------	------	-------------

	0	White
---	---	-------

No image available.

This product is a component and not intended to be a standalone installation.

Technical Information

All product dimensions are nominal.

Toilet type:	Floor-mount
Waste Outlet:	Floor
Bowl shape:	Elongated
Flush type:	Gravity siphon jet
Trap passageway:	2-1/8" (54 mm)
Water surface size:	10-5/8" x 6-15/16" (269 mm x 176 mm)
Rim to water surface:	5-5/8" (143 mm)
Rough-in:	12" (305 mm)

Notes

Install this product according to the installation instructions.

ADA, OBC, CSA B651 compliant when installed to the specific requirements of these regulations.

Plumbing codes may require elongated toilets and elongated, open-front seats in public bathrooms.

Accessibility standards may require controls to be located on the open side of the toilet.

OPTIONS**Flush Volume**

1.28 gpf (4.8 Lpf) (1.28)

1.6 gpf (6.0 Lpf) (1.6)

Power Type

Battery

Hardwired

Water Efficiency

High Efficiency

Low Consumption

Override

True Mechanical (TMO)

Outlet Tube

Trap Primer (TP)

Bumper

Angle Stop (YO)

Compliances & Certifications

ADA Compliant

BAA Compliant

UPC Certified

cUPC Certified

BREEAM Water Credit

Green Globes Water Credit

LEED V4 Water Efficiency Credit

Satisfies LEED Credits

WaterSense Listed

cUPC Green Certified

NOTESFor product line drawings, [view model-specific spec sheets](#).

All information contained within this document subject to change without notice.

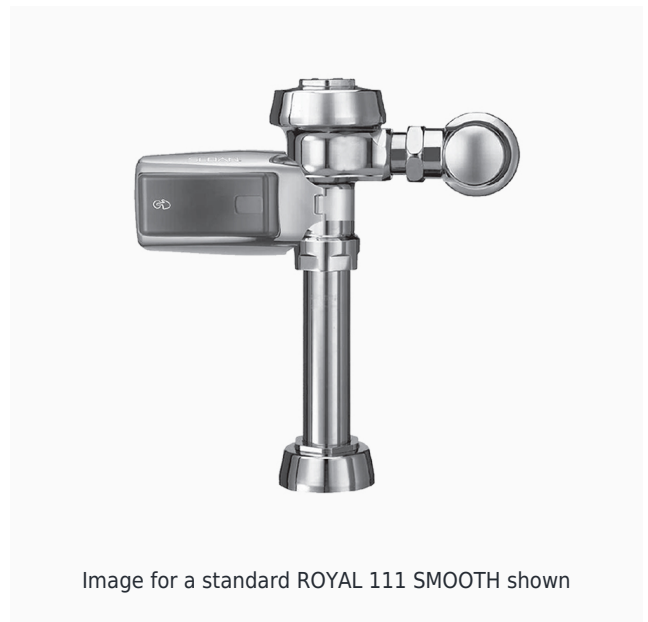


Image for a standard ROYAL 111 SMOOTH shown

DESCRIPTION

Royal® Exposed Sensor Water Closet Flushometer

FEATURES

- All organic rubber has been replaced with synthetic compounds
- Critical components, including cover, valve body, control stop and sweat solder kit, are made of semi-red brass
- PERMEX synthetic rubber diaphragm with Dual Filtered Fixed Bypass
- Valve body, Cover, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass
- Valve shall be in compliance to the applicable sections of ASSE 1037.

DOWNLOADS

- [EBV 200 Smooth Installation Instructions](#)
- [EL 600-A Installation Instructions](#)
- [Royal Exposed Installation Instructions](#)
- [Royal Exposed Spanish Installation Instructions](#)
- [Control Stop Repair and Maintenance Guide](#)
- [Flush Connections Flanges Repair and Maintenance Guide](#)
- [Tail Piece Repair and Maintenance Guide](#)
- [Royal Manual Diaphragm Flushometer Repair and Maintenance Guide](#)
- [EBV-200-A Repair and Maintenance Guide](#)
- [EL600A Smooth Side Mount Repair and Maintenance Guide](#)
- [Additional Downloads](#)

Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

OPTIONS

Flush Volume

- 0.125 gpf (0.5 Lpf) (0.125)
- 0.25 gpf (0.9 Lpf) (0.25)
- 0.5 gpf (1.9 Lpf) (0.5)
- 1.0 gpf (3.8 Lpf) (1.0)
- 1.5 gpf (5.7 Lpf) (1.5)

Power Type

- Battery
- Hardwired

Water Efficiency

- High Efficiency
- Low Consumption
- Water Saver

Bypass

- Dual-Filtered Bypass

Override

- True Mechanical (TMO)

Compliances & Certifications

- ADA Compliant
- BAA Compliant
- cUPC Certified
- UPC Certified
- BREEAM Water Credit
- Green Globes Water Credit
- LEED V4 Water Efficiency Credit
- Satisfies LEED Credits
- WaterSense Listed
- cUPC Green Certified

NOTES

For product line drawings, [view model-specific spec sheets](#).

All information contained within this document subject to change without notice.

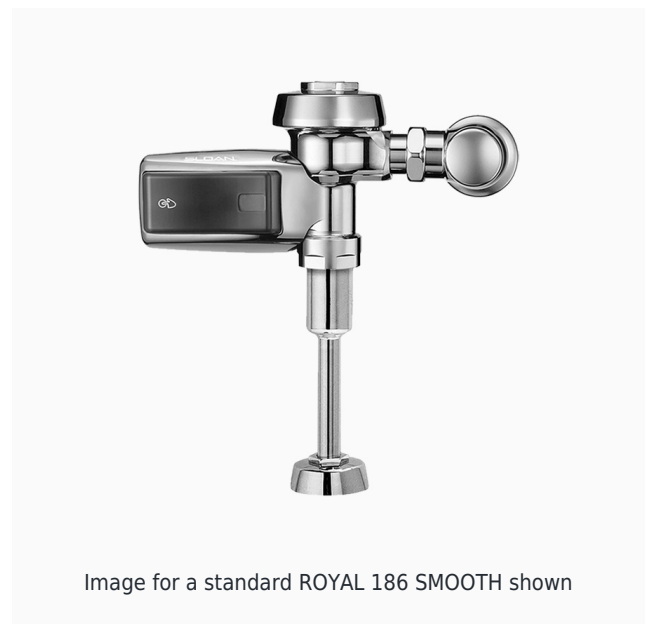


Image for a standard ROYAL 186 SMOOTH shown

DESCRIPTION

Royal® Exposed Sensor Urinal Flushometer

FEATURES

- Includes the required wall plate and a purple wall flange to let users know reclaimed water is in use
- All organic rubber has been replaced with synthetic compounds
- Optional purple handle provides additional indication of reclaimed water use
- Critical components, including cover, valve body, control stop and sweat solder kit, are made of semi-red brass
- PERMEX synthetic rubber diaphragm with Dual Filtered Fixed Bypass
- Valve body, Cover, Tailpiece and Control Stop shall be in compliance with ASTM Alloy Classification for Semi-Red Brass
- Valve shall be in compliance to the applicable sections of ASSE 1037.

DOWNLOADS

- [EL 600-A Installation Instructions](#)
- [EBV 200 Smooth Installation Instructions](#)
- [Royal Exposed Installation Instructions](#)
- [Royal Exposed Spanish Installation Instructions](#)
- [Control Stop Repair and Maintenance Guide](#)
- [Flush Connections Flanges Repair and Maintenance Guide](#)
- [Tail Piece Repair and Maintenance Guide](#)
- [EBV-200-A Repair and Maintenance Guide](#)
- [EL600A Smooth Side Mount Repair and Maintenance Guide](#)
- [Royal Manual Diaphragm Flushometer Repair and Maintenance Guide](#)

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- [Additional Downloads](#)

OPTIONS**Power Type**

Battery

Body Type

Low

Mounting

Deck

Power Supply

Battery (BAT)

Sensor Type

Infrared

Flow Rate

0.35 gpm (1.3 Lpm) (0.35GPM)

0.5 gpm (1.9 Lpm) (0.5GPM)

Spray Type

Multi-Laminar (MLM)

Spout Type

Pedestal

Trim Plate

4" (102mm) (4)

Finish

Polished Chrome (CP)

Control Access

Below Deck

Mixer

Back-Check Tee (TEE)

Below Deck Manual Mixing Valve (BDM)

Compliances & Certifications

ADA Compliant

ASME A112.18.1 Compliant

CEC Compliant

CalGreen Compliant

IAPMO

NSF-61

NYC604.4

Proposition 65

TAS

UPC Certified

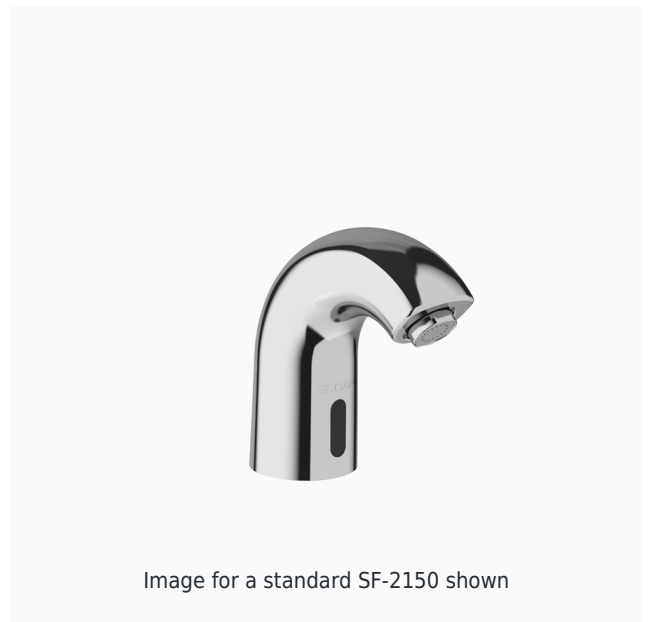
NOTESFor product line drawings, [view model-specific spec sheets](#).

Image for a standard SF-2150 shown

DESCRIPTION

Sloan® Battery-Powered Deck-Mounted Low Body

FEATURES

Commercial Grade, ADA Compliant, Electronic, Sensor-Activated, Brass Pedestal Hand Washing Faucet with the following features:

- Adjustable Infrared Sensor Range
- 36" (914 mm) Long Sensor Cable
- 24" (610 mm) Long Flex Hose
- Filtered Solenoid Valve with serviceable Strainer Filter
- Includes Four (4) AA-size Batteries
- Includes appropriate Mounting Hardware
- 1 Year limited warranty

DOWNLOADS

- [SF Series Installation Instructions](#)
- [SF Series \(FR\) Installation Instructions](#)
- [SF Series \(SP\) Installation Instructions](#)
- [SFP 35-A Installation Instructions](#)
- [SF 2100/2150 Faucet Extension Installation Instructions](#)
- [Trim Plate Guide](#)
- [Sloan 2100/2150 Repair and Maintenance Guide](#)
- [Additional Downloads](#)

VIDEOS

- ▶ [SF-2100/2150/SF-2200/2250/SF-2300/2350/SF-2400/2450 Parts Breakdown](#)
- ▶ [SF-2100/2150/SF-2200/2250/SF-2300/2350/SF-2400/2450 Module Replacement](#)

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Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com

All information contained within this document subject to change without notice.

[Find a matching soap dispenser](#) for this faucet.

[Find a compatible sink](#) for this faucet.



SF-2100/2150/SF-2200/2250/SF-2300/2350/SF-2400/2450
Battery Replacement- Sensor Range Adjustment

Sloan 10500 Seymour Ave, Franklin Park, IL 60131

Phone: 800.982.5839 • Fax: 800.447.8329 • sloan.com



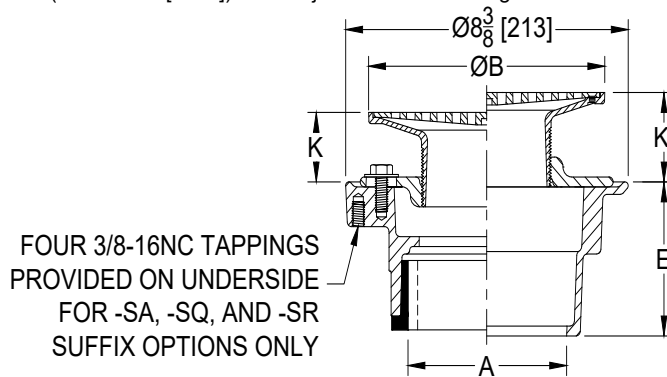
Z415B

BODY ASSEMBLY W/ "TYPE B" STRAINER

SPECIFICATION SHEET

TAG _____

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice



Dimensions in Inches [mm]						Approx. Wt. Lbs. [kg]	Strainer Open Area Sq. In. [cm ²]
A - Pipe Size	B Strainer Dia.	K		K'			
		Min.	Max.	Min.	Max.		
2,3 [51,76]	5 [127]	1 [25]	1-1/2 [38]	1-3/32 [28]	2-1/4 [57]	11 [5]	6-1/4 [40]
2,3,4 [51,76,102]	6 [152]	1 [25]	1-25/32 [45]	1-13/32 [36]	2-17/32 [64]	13 [6]	9 [58]
2,3,4 [51,76,102]	7 [178]	1 [25]	2-1/8 [54]	1-23/32 [44]	2-7/8 [73]	14 [6]	12 [77]
3,4 [76,102]	8 [203]	1-5/32 [30]	2-1/8 [54]	1-3/4 [44]	2-7/8 [73]	16 [7]	19 [123]
6 [152]	8 [203]	1-5/32 [30]	2-1/8 [54]	1-3/4 [44]	2-7/8 [73]	18 [8]	19 [123]
6 [152]	10 [254]	1-7/16 [37]	2-1/2 [64]	2 [51]	3-1/4 [83]	22 [10]	23 [148]

ENGINEERING SPECIFICATION: ZURN ZN415B

Floor and shower drain, Dura-Coated cast iron body with bottom outlet, combination invertible membrane clamp and adjustable collar with seepage slots and "TYPE B" polished nickel bronze, light-duty heel-proof strainer.

OPTIONS (Check/specify appropriate options)

PIPE SIZE	(Specify size/type)	OUTLET	'E' BODY HT. DIM.
2,3,4 [51,76,102]	___ IC	Inside Caulk	4-3/16 [106]
2 [51]	___ IP	Threaded	2-7/16 [62]
3 [76]	___ IP	Threaded	2-3/4 [70]
4 [102]	___ IP	Threaded	2-13/16 [71]
6 [152]	___ IP	Threaded	2-7/8 [73]
2,3,4 [51,76,102]	___ NH	No-Hub	3-13/16 [97]
2,3,4 [51,76,102]	___ NL	Neo-Loc	3-7/8 [98]

PREFIXES

- ___ ZB D.C.C.I. Body Assembly w/ Polished Bronze Top
- ___ ZN D.C.C.I. Body Assembly w/ Polished Nickel Bronze Top*

SUFFIXES

- ___ -AR Acid Resisting Epoxy Coated Cast Iron
- ___ -CP Chrome-Plated Bronze Top
- ___ -G Galvanized Cast Iron
- ___ -HD Heavy-Duty Slotted Grate (ZN 5,6[127,152]Sizes Only)
- ___ -OF Oval Funnel (See Z329-7) (7,8,10[178,203,254] Strainers only)
- ___ -P Trap Primer Connection (Specify 1/2 [13] or 3/4 [19])
- ___ -PC Protective Cover
- ___ -SA Stabilizer Assembly (See Z1035)
- ___ -SR Stabilizer Ring
- ___ -SQ Stabilizer Q-Deck (See Z1035-Q)
- ___ -TC Neo-loc Test Cap Gasket (2,3,4 [51,76,102] NL Outlet Only)
- ___ -U 1-3 [25-76] High Extension Adapter
- ___ -V Backwater Valve
- ___ -VP Vandal-Proof Secured Top
- ___ -Y Sediment Bucket
- ___ -4 4[102] Diameter Funnel (Z328)
- ___ -90 90° Threaded Side Outlet Body Assembly (2,3 [51,76] Only)

* Regularly furnished unless otherwise specified.

- ⚠ **WARNING:** Cancer and Reproductive Harm - www.P65Warnings.ca.gov
- ⚠ **ADVERTENCIA:** Cáncer y daño reproductivo - www.P65Warnings.ca.gov
- ⚠ **AVERTISSEMENT:** Cancer et effets néfastes sur la reproduction - www.P65Warnings.ca.gov

Zurn Industries, LLC | Specification Drainage Operation
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7900 Goreway Drive, Unit 10, Brampton, Ontario L6T 5W6, Ph. 877.892.5216

www.zurn.com

Rev. X
Date: 01/05/23
C.N. No. 144898
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