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MIDWEST CITY POLICE DEPARTMENT RESTROOM RENOVATION

100 NORTH MIDWEST BLVD
MIDWEST CITY, OKLAHOMA 73110

SHEET NUMBER SHEET NAME

CS COVER SHEET
G001 GENERAL INFORMATION AND CODE ANALYSIS
G002 ACCESSIBILITY REQUIREMENTS

ARCHITECTURAL

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A152 PD TOILET FIRST FLOOR
A153 PD TOILET SECOND FLOOR
A154 EXISTING BASEMENT LEVEL PLUMBING
A601 SCHEDULES AND MILLWORK
A602 MECHANICAL, ELECTRICAL, PLUMBING NOTES AND SCHEDULES



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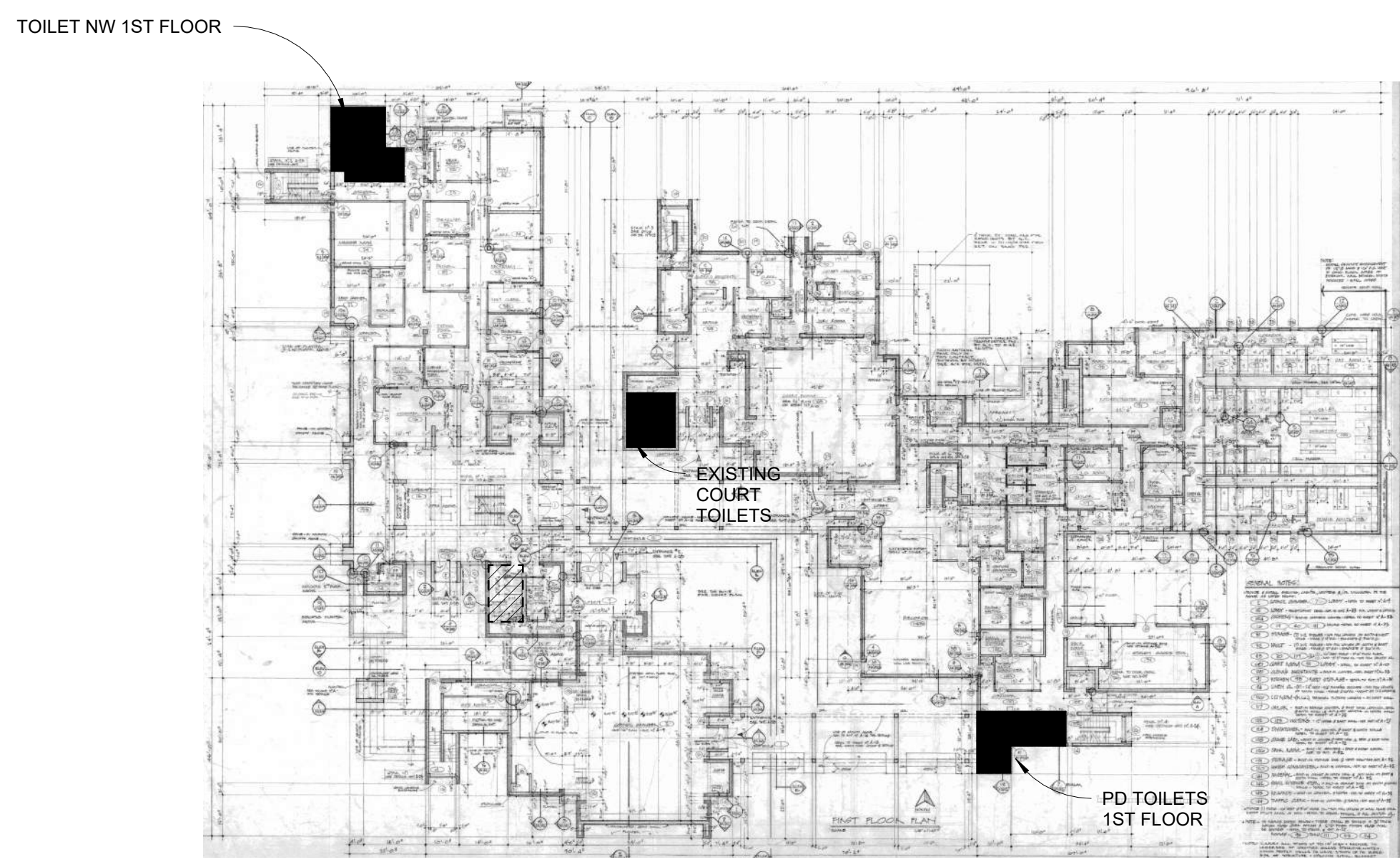
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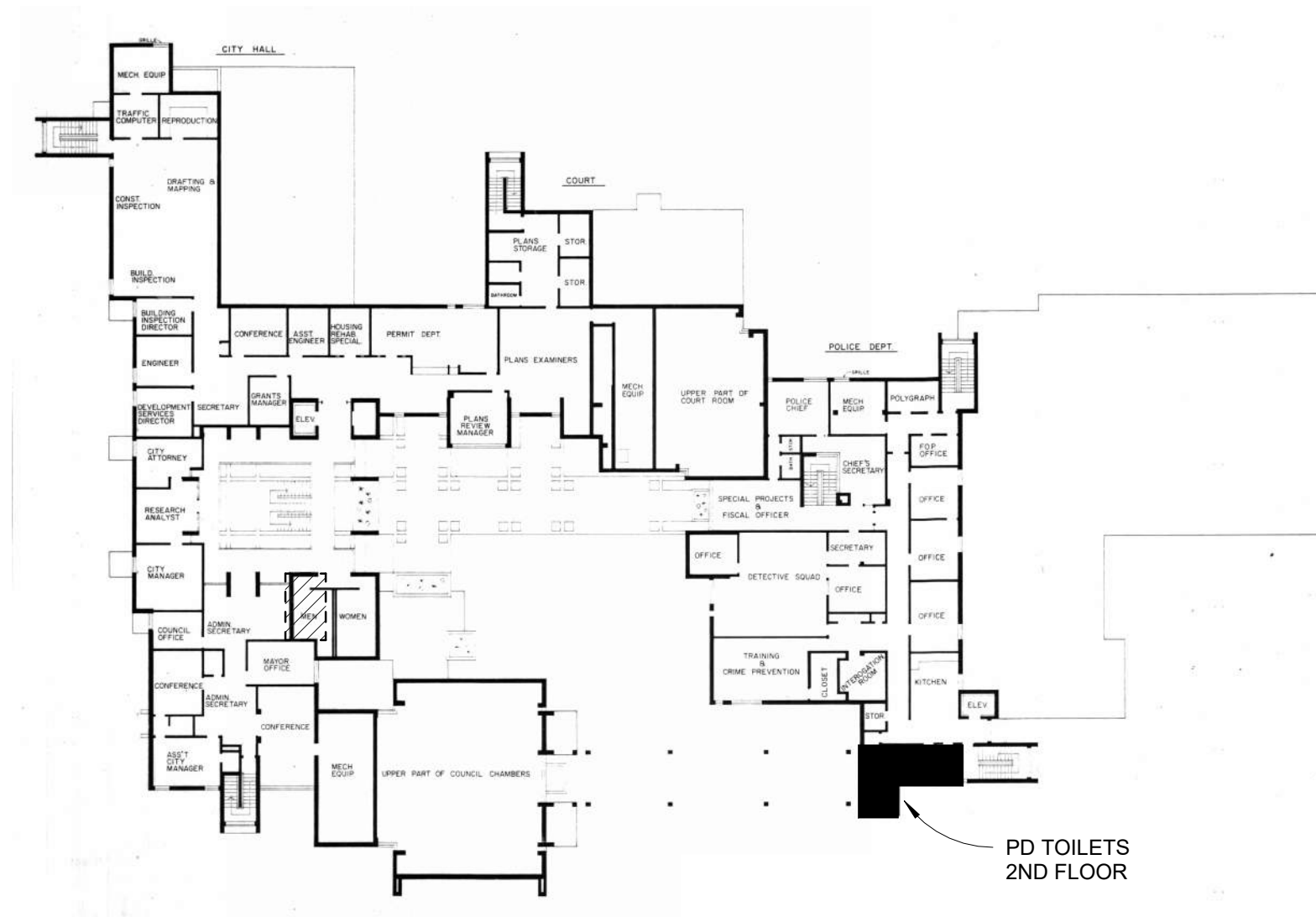
MIDWEST CITY POLICE DEPARTMENT RESTROOM RENOVATION

100 NORTH MIDWEST BLVD
MIDWEST CITY, OKLAHOMA 73110

PROJECT NO. ■ 23016
ISSUE ■ 01
ISSUE DATE ■ 12.29.2023



4 OVERALL FLOOR PLAN - 1ST FLOOR
1" = 40'-0" 



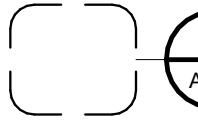

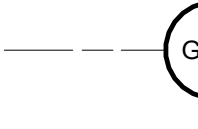



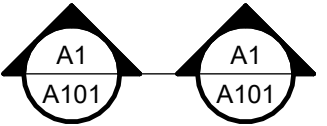
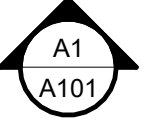
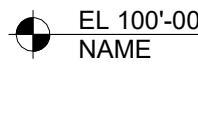

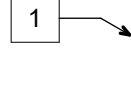
5 OVERALL FLOOR PLAN - 2ND FLOOR
1" = 40'-0" 

- PERFORM WORK IN COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY, FEDERAL, STATE AND LOCAL CODES AND ORDINANCES. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
- REFER TO SPECIFICATIONS FOR MATERIALS AND STANDARDS OF CONSTRUCTION.
- COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION TO ENSURE PROPER SEQUENCING OF THE WORK.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING, FABRICATION AND CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
- DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT OF ANY DIMENSIONAL DISCREPANCIES FOR CLARIFICATION.
- DIMENSIONS UNLESS NOTED OTHERWISE: TO FACE OF CONCRETE OF MASONRY WORK; TO CENTERLINE OF COLUMNS OR OTHER GRID POINT; TO CENTERLINE OF PARTITIONS AND FRAMED WINDOW AND DOOR OPENINGS; TO FINISH FACES OF CLEAR WIDTHS.
- VERIFY SIZE, CHARACTERISTICS, AND REQUIRED CLEARANCES OF ALL EQUIPMENT TO BE FURNISHED WITH MANUFACTURERS OR SUPPLIERS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
- PROVIDE BLOCKING AND GROUNDS AS SPECIFIED FOR BUILT-IN AND SURFACE MOUNTED ITEMS PRIOR TO APPLYING WALL SURFACING MATERIALS.
- CONCEAL ALL PLUMBING, DUCTWORK, CONDUIT, WIRE, AND SIMILAR ITEMS UNLESS NOTED OTHERWISE.
- INSTALL ALL MATERIALS, SYSTEMS, AND COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS FOR A FULLY WARRANTED INSTALLATION.
- PROVIDE PLUMBING FIXTURES AS INDICATED. CONNECT TO EXISTING SANITARY SEWER AND EXISTING DOMESTIC WATER SUPPLY LINES.
- PLUMBING INSTALLATION SHALL COMPLY WITH CURRENT ADOPTED INTERNATIONAL PLUMBING CODE.
- CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING COMPLETED PROJECT OVER TO OWNER.
- CAULK AROUND ALL FIXTURES TO SEAL BETWEEN FIXTURE AND FLOOR OR WALL.
- PROVIDE ALL ACCESSORIES REQUIRED FOR FUNCTIONAL ELECTRICAL INSTALLATION AND SUPPORT.
- PROVIDE DRYWALL / PLASTER KIT FOR FIXTURES MOUNTED IN GYPSUM BOARD CEILING

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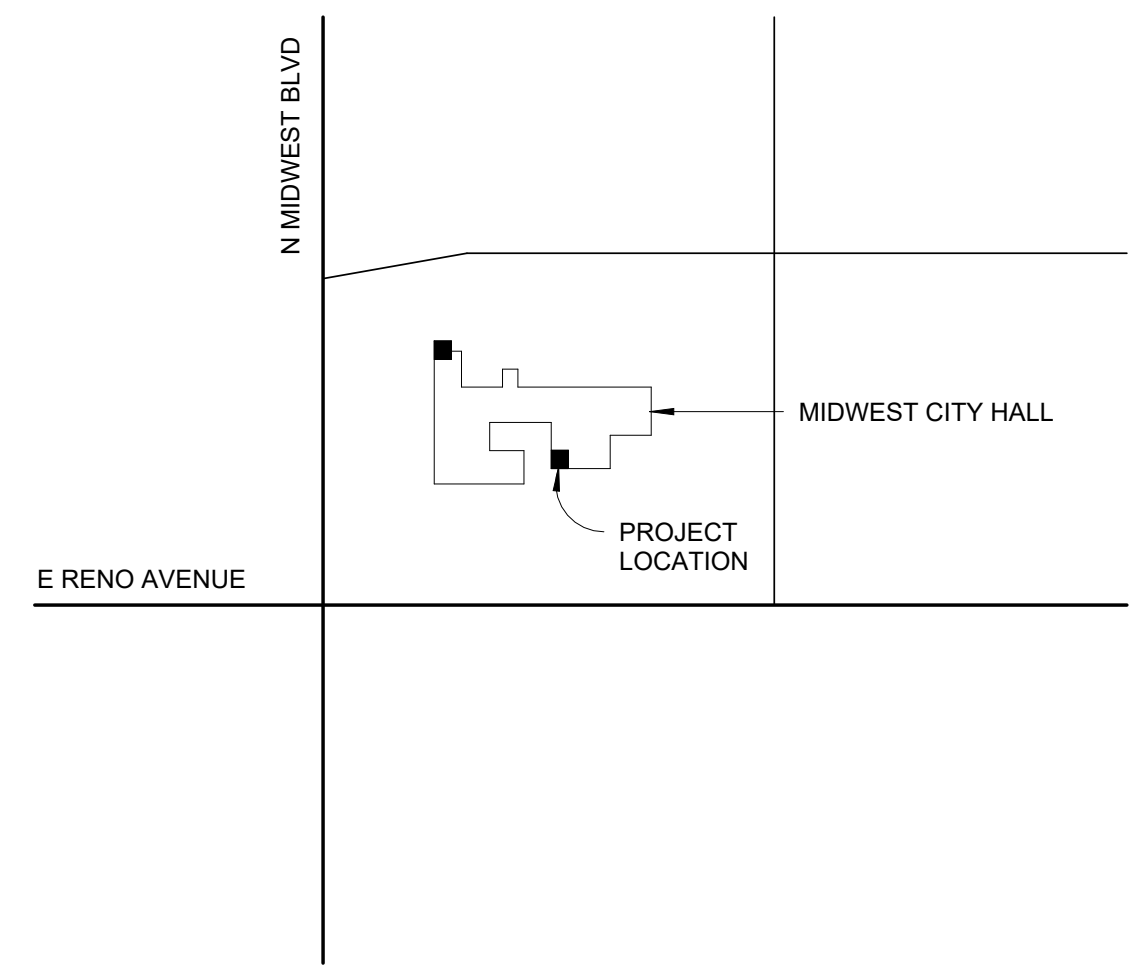


1 OVERALL FLOOR PLAN - BASEMENT
1" = 40'-0" 

ROOM	ROOM NAME AND NUMBER	WB-88	PARTITION TYPE
101	DOOR NUMBER		ENLARGED PLAN / DETAIL
	FRAME TYPE		GRIDLINE
	EQUIPMENT NUMBER		SECTION
	INTERIOR ELEVATION		BUILDING SECTION
	BUILDING ELEVATION		SPOT ELEVATION
	REVISION TAG AND CLOUD		DEMOLITION NOTE

2 SYMBOLS
N.T.S.

6 GENERAL NOTES
N.T.S.



3 LOCATION MAP
N.T.S. 



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RENOVATION**

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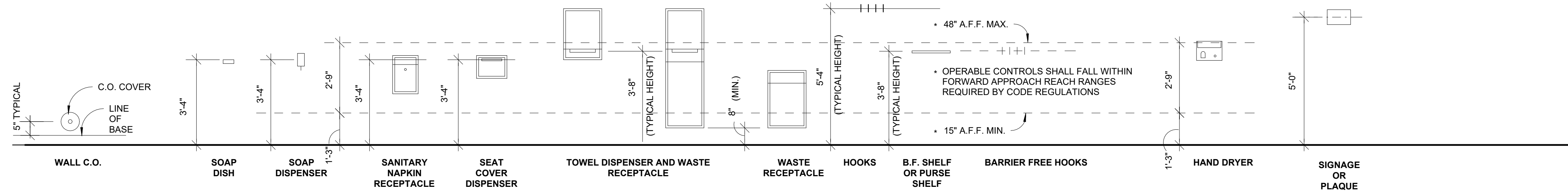
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SHEET TITLE
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CODE ANALYSIS**

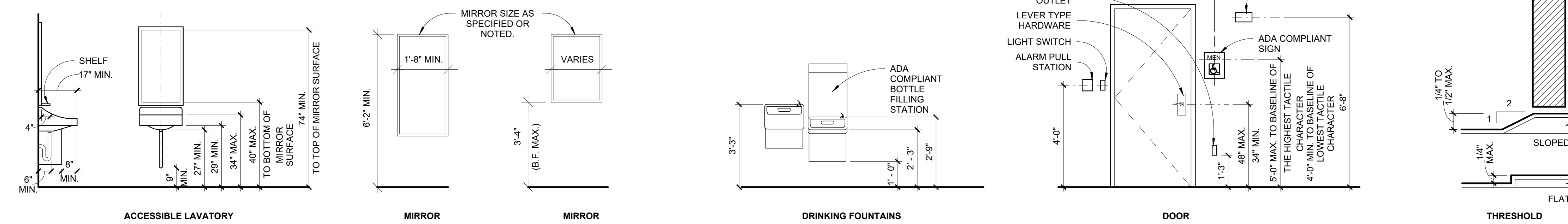
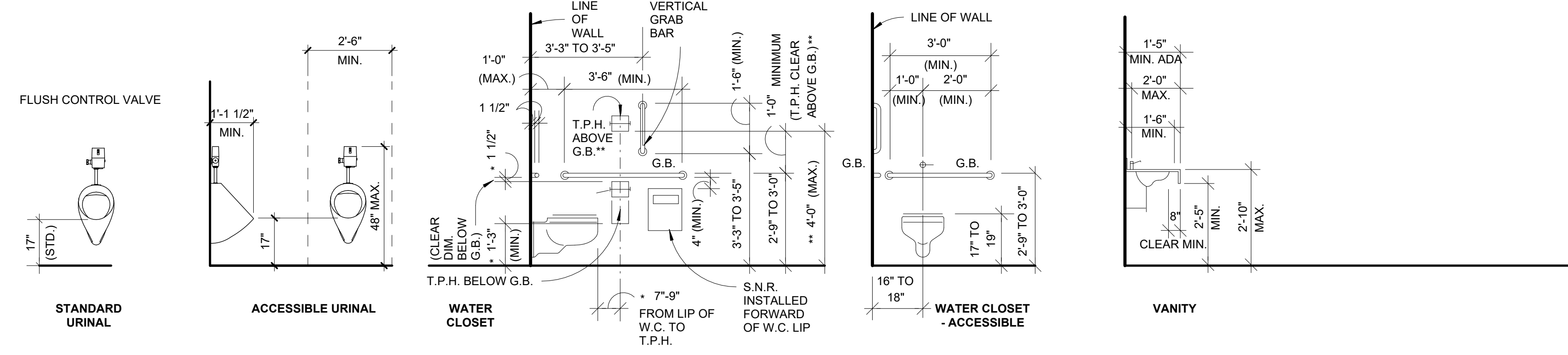


G001

1. ALL MANUALLY OPERATED FIXTURES TO BE LEVER TYPE CONTROL.
2. GRAB BAR AND SEAT SHALL WITHSTAND A LOAD OF NOT LESS THAN 250 POUNDS APPLIED AT ANY POINT.
3. PROVIDE 1 1/2" CLEARANCE BETWEEN GRAB BAR AND WALL.
4. HOT WATER AND DRAIN PIPES UNDER LAVATORY SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT.
5. PROVIDE 30" WIDE FRONT-IN CLEARANCE FOR WHEELCHAIR ACCESS AT SINK AND URINAL.
6. ALL SIGNAGE SHALL COMPLY WITH ADA AND TAS.
7. ADJUST ALL DOOR CLOSERS TO A MAXIMUM OF 5 LBS OF FORCE.
8. ACCESSIBLE TOILET COMPARTMENTS TO HAVE A SELF CLOSING DOOR.



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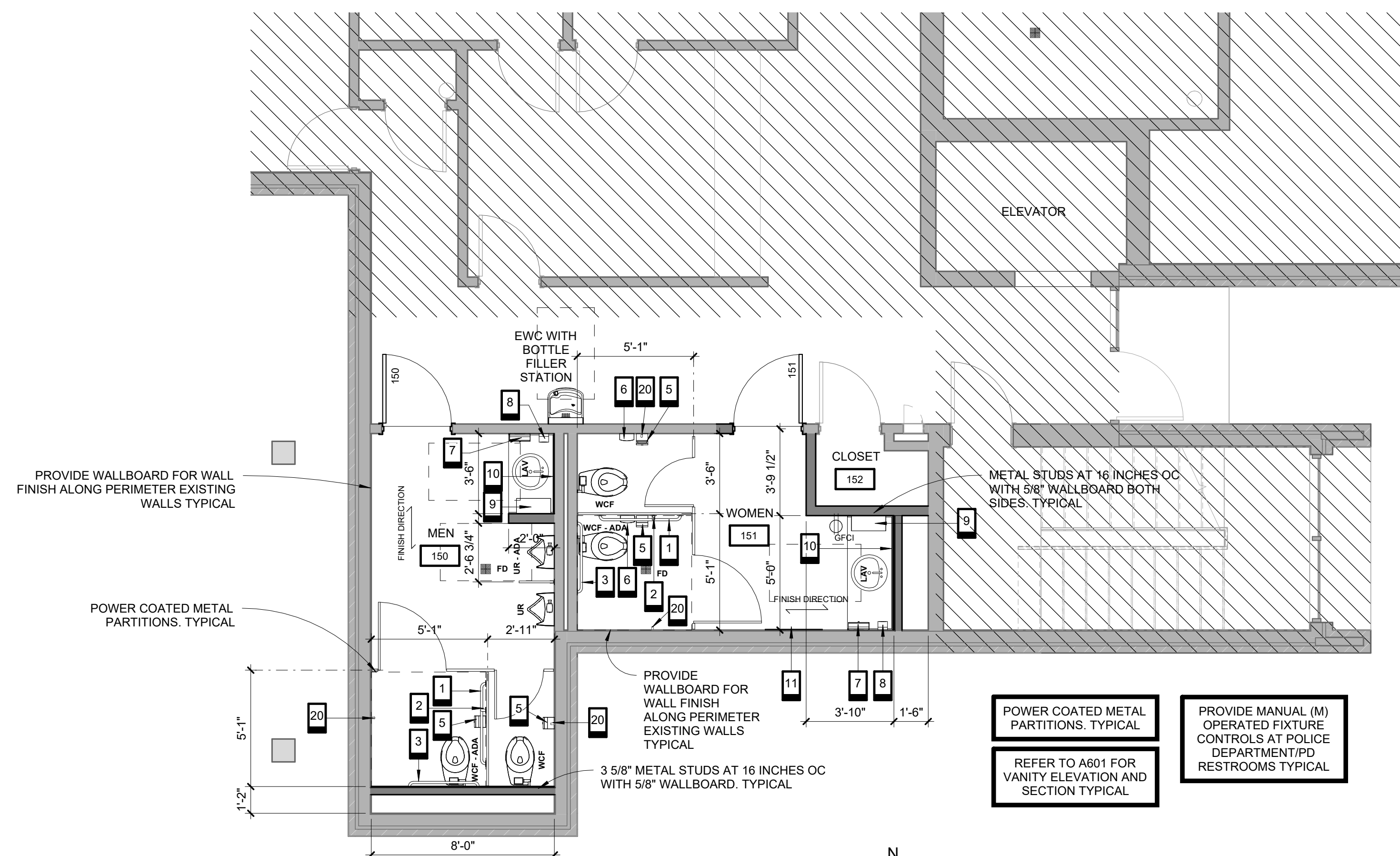


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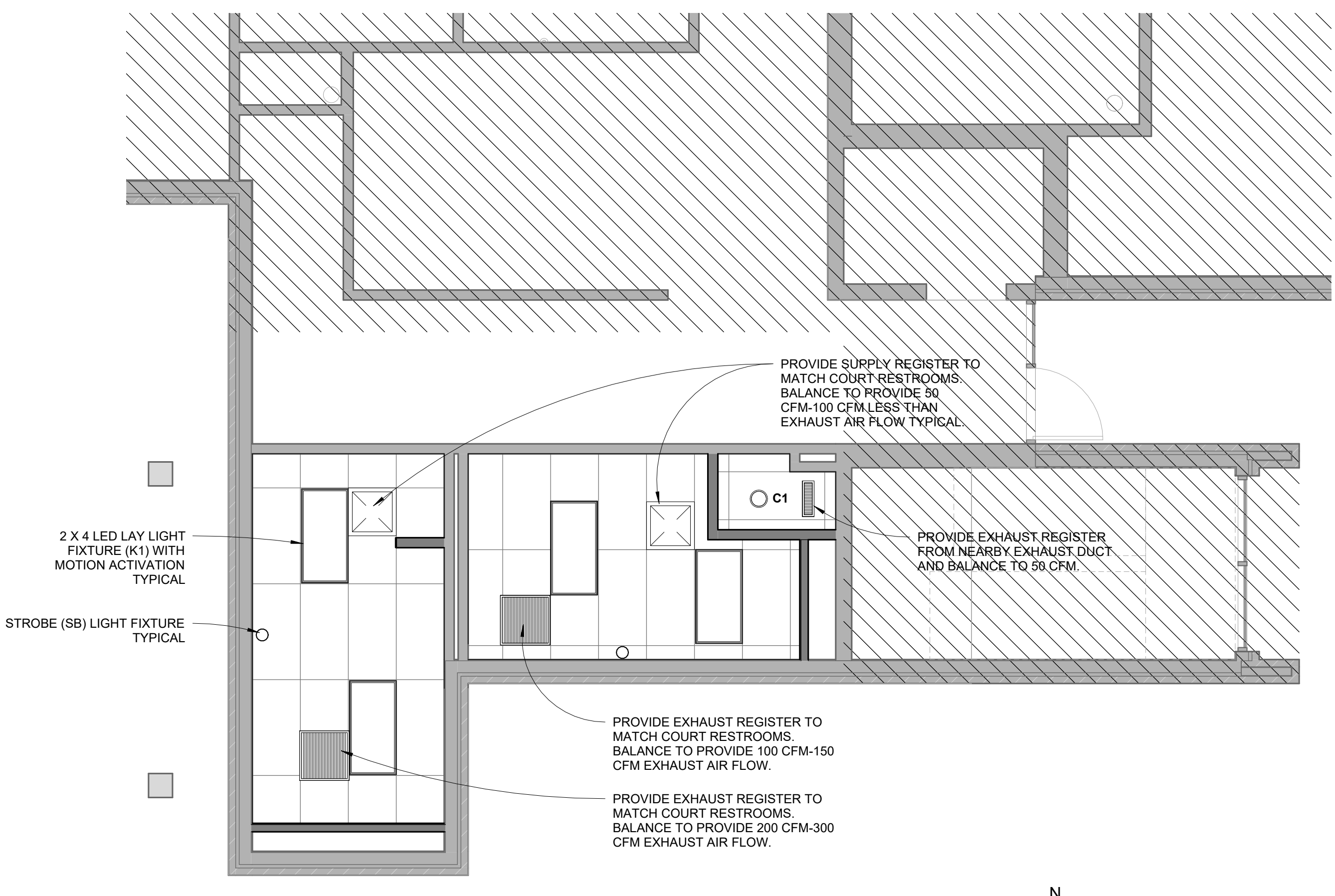
1 ACCESSIBILITY REQUIREMENTS
N.T.S.

G002

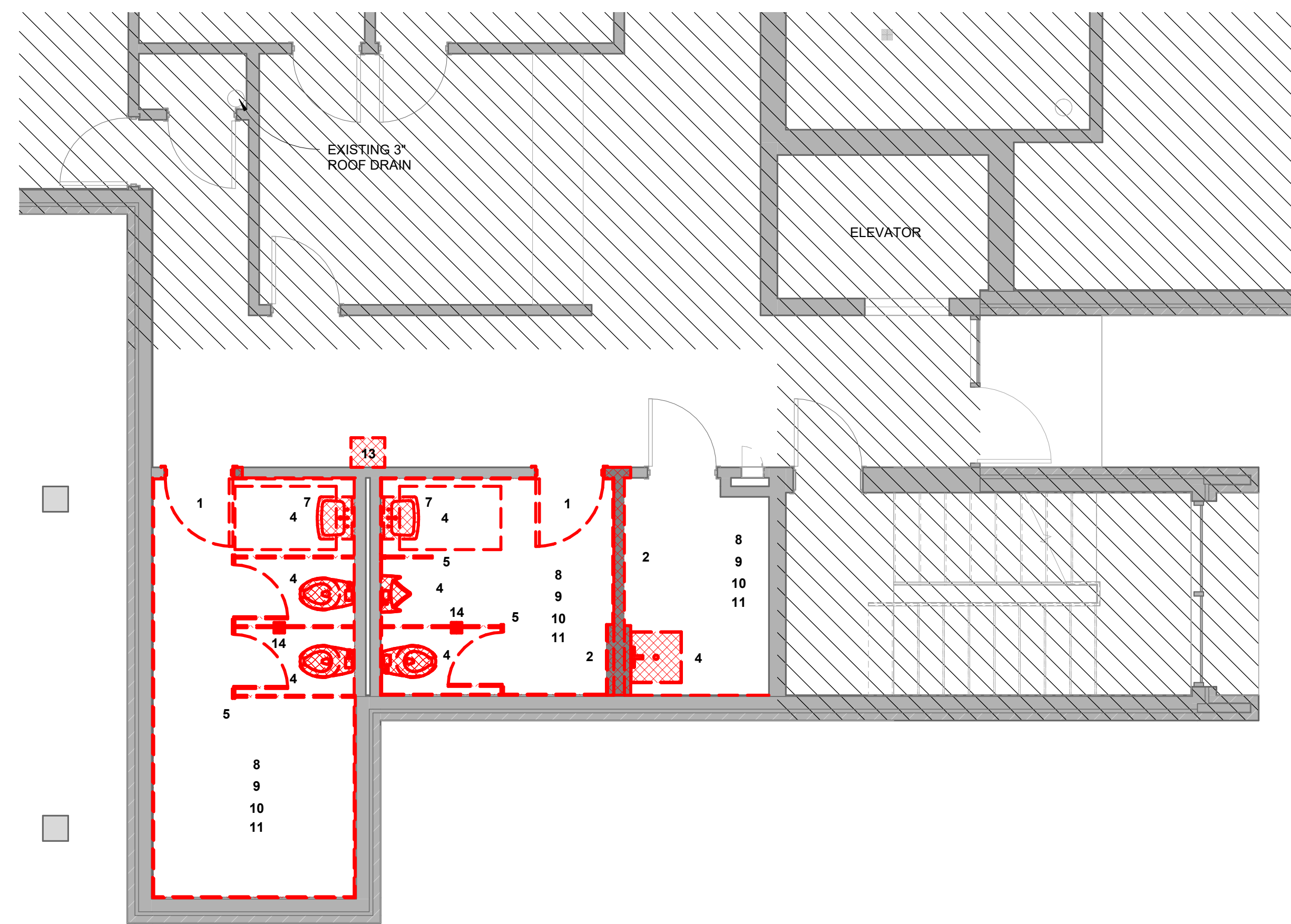
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2 FLOOR PLAN - PD TOILET FIRST FLOOR
1/4" = 1'-0"



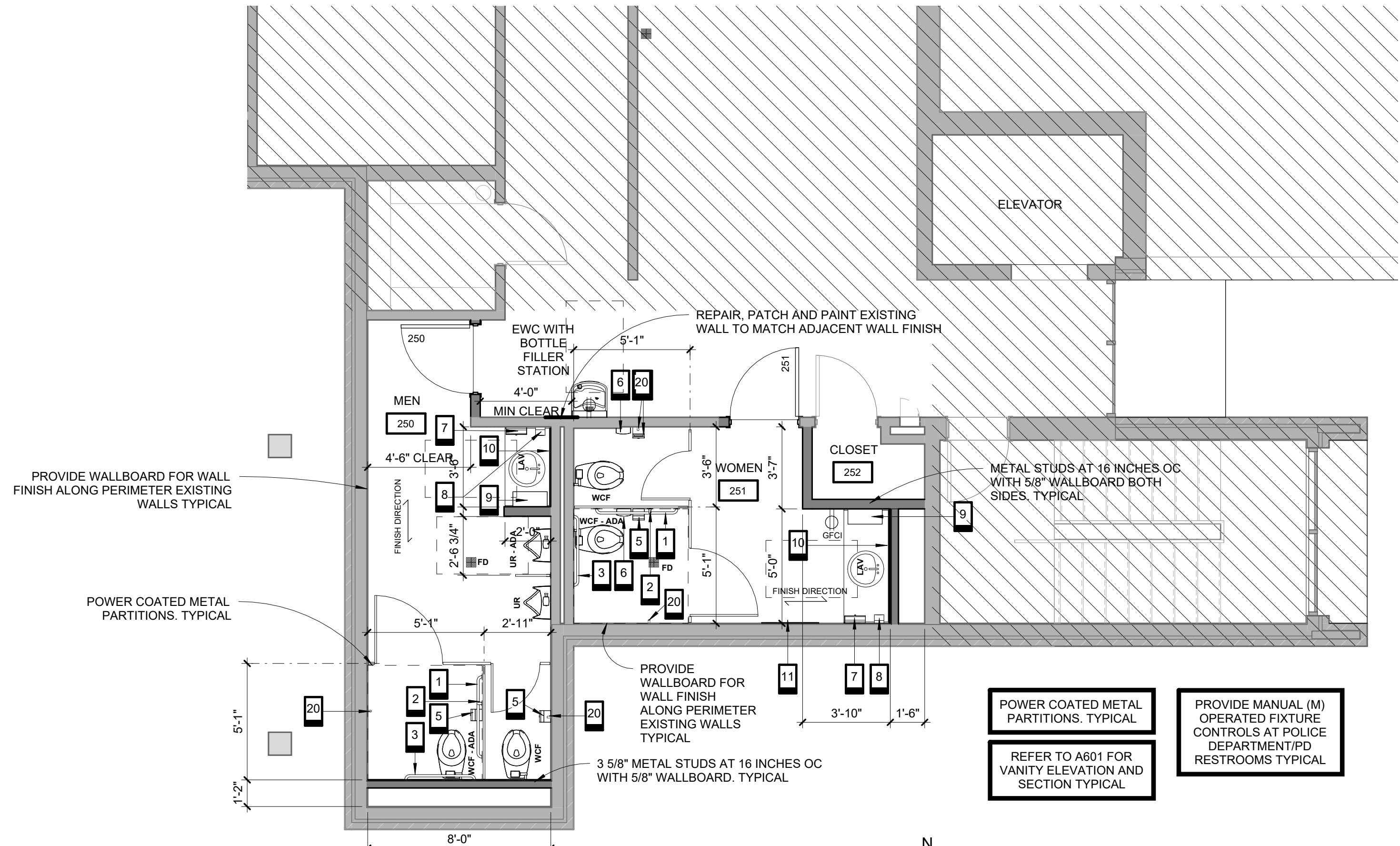
3 REFLECTED CEILING PLAN - PD TOILET FIRST FLOOR
1/4" = 1'-0"



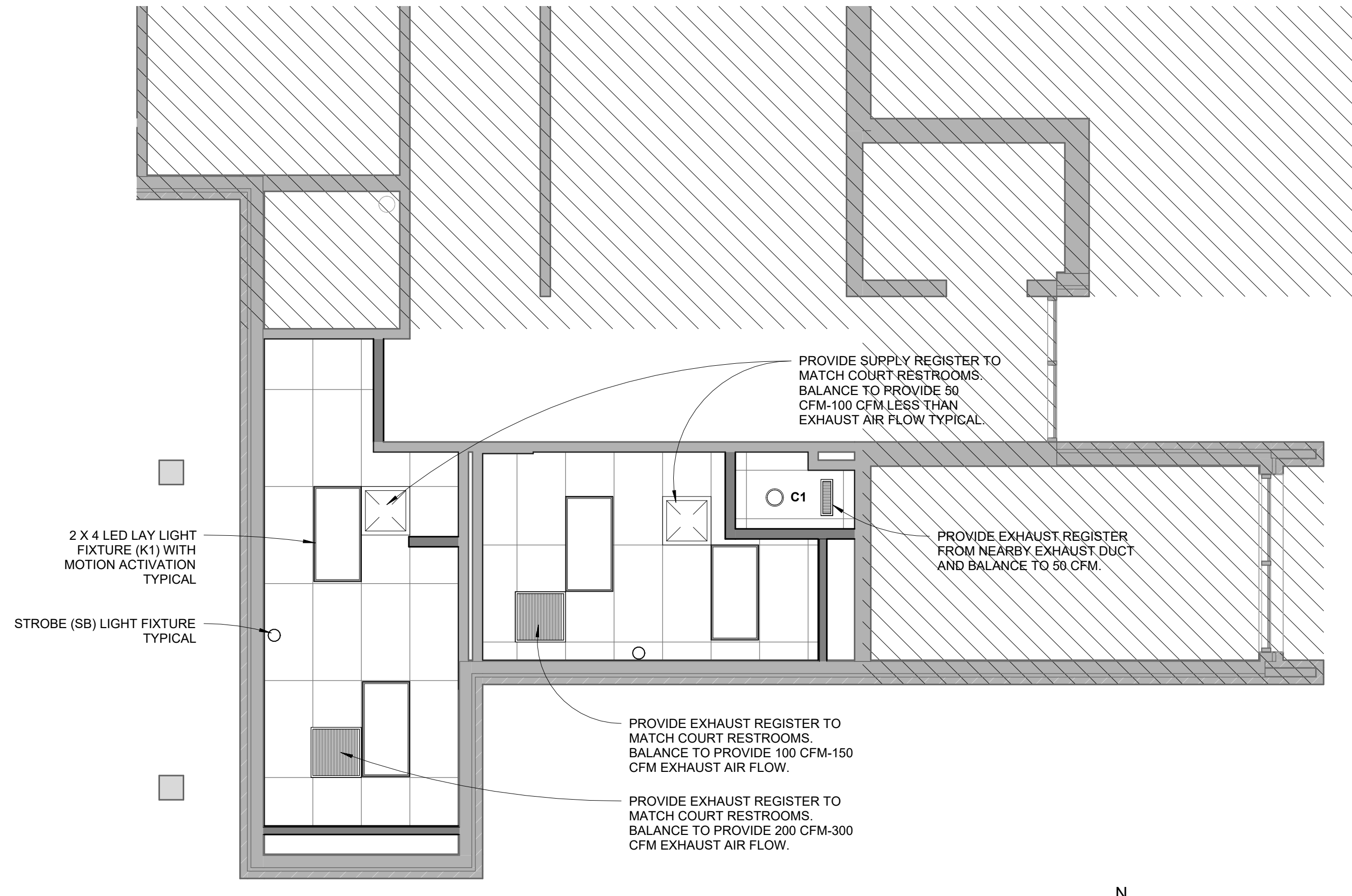
1 DEMOLITION PLAN - PD TOILET FIRST FLOOR
1/4" = 1'-0"

- TOILET ROOM DEMOLITION PLAN DEMOLITION NOTES**
- REFER TO ELECTRICAL AND MECHANICAL DRAWINGS FOR ELECTRICAL AND MECHANICAL DEMOLITION.
1. REMOVE DOOR AND FRAME
 2. REMOVE WALL
 3. REMOVE DRINKING FOUNTAIN
 4. REMOVE PLUMBING FIXTURE, SANITARY SEWER PIPING AND VENT PIPING BACK TO SANITARY SEWER AND VENT MAINS.
 5. REMOVE TOILET PARTITION AND ACCESSORIES
 6. REMOVE MILLWORK
 7. REMOVE MIRROR
 8. REMOVE FLOORING FINISH
 9. REMOVE WALL FINISH
 10. REMOVE CEILING TILE AND GRID
 11. REMOVE CEILING DIFFUSERS AND REGISTERS. CAP DUCT IN PREPARATION FOR NEW REGISTER IN NEW LOCATION.
 12. REMOVE AND SALVAGE SPACE HEATER (PROVIDE TO OWNER). RETAIN CIRCUIT AND WIRE ABOVE CEILING FOR RELOCATED POWER.
 13. REMOVE AND SALVAGE DRINKING FOUNTAIN (PROVIDE TO OWNER)
 14. REMOVE FLOOR DRAINS AND SANITARY SEWER PIPING BACK TO SANITARY MAIN.
 15. REMOVE RECEPTACLE AND WIRING BACK TO CEILING SPACE. RETAIN CIRCUIT FOR JUNCTION BOX TO NEW GFI RECEPTACLE

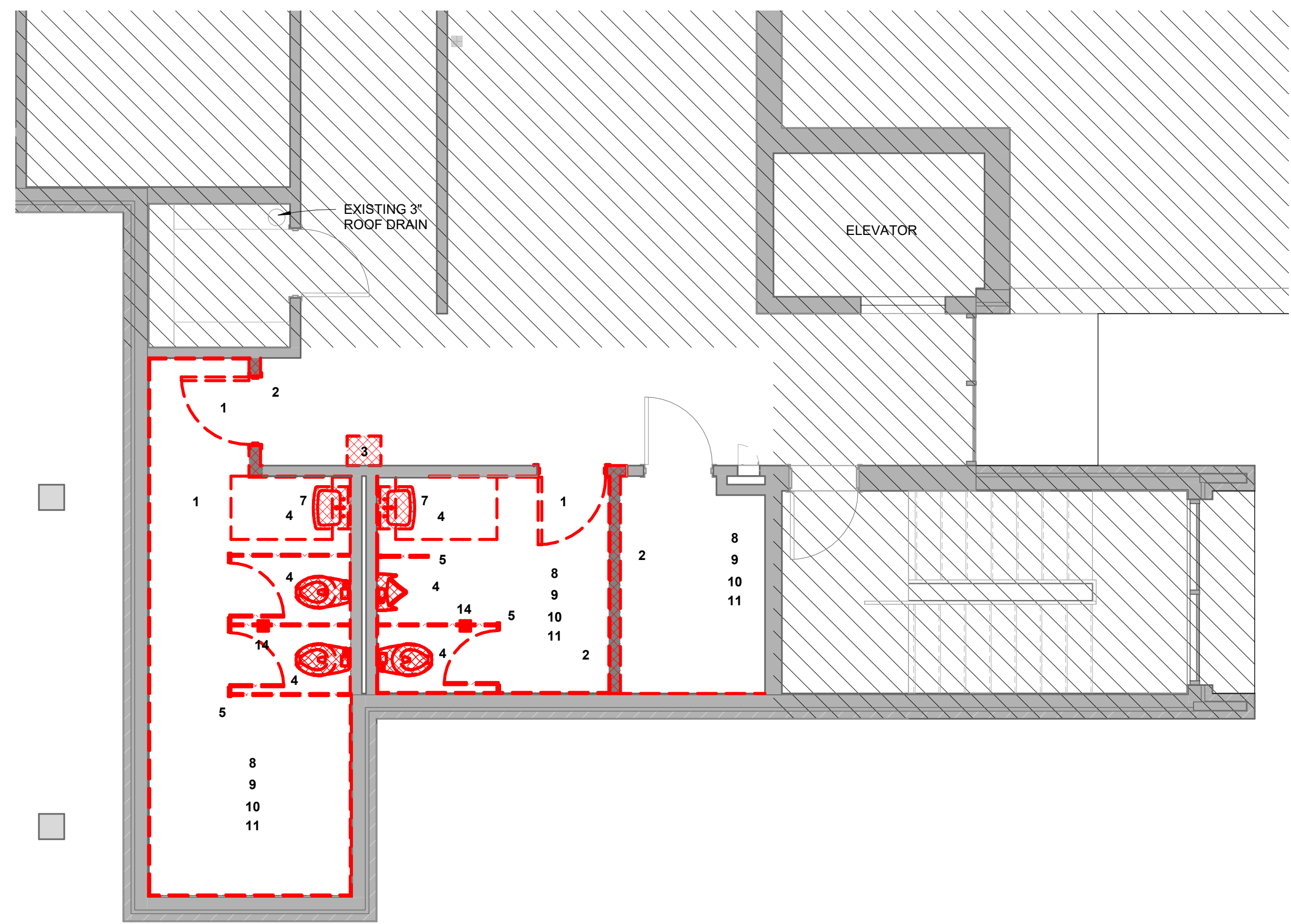
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2 FLOOR PLAN - PD TOILET SECOND FLOOR
1/4" = 1'-0" |



3 REFLECTED CEILING PLAN - PD TOILET SECOND FLOOR
1/4" = 1'-0" |



1 DEMOLITION PLAN - PD TOILET SECOND FLOOR
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EQUIPMENT SCHEDULE					
#	DESCRIPTION	FURNISHED BY	INSTALLED BY	FINAL HOOK-UP BY	NOTES
1	1 1/2" GRAB BAR - 42" HORIZONTAL	CONTRACTOR	CONTRACTOR	CONTRACTOR	
2	1 1/2" GRAB BAR - 18" VERTICAL	CONTRACTOR	CONTRACTOR	CONTRACTOR	
3	1 1/2" GRAB BAR - 36" HORIZONTAL	CONTRACTOR	CONTRACTOR	CONTRACTOR	
5	TOILET TISSUE DISPENSER - SURFACE MOUNTED	OWNER	CONTRACTOR	CONTRACTOR	
6	SANITARY NAPKIN BIN - SURFACED MOUNTED	CONTRACTOR	CONTRACTOR	CONTRACTOR	
7	PAPER TOWEL DISPENSER	OWNER	CONTRACTOR	CONTRACTOR	
8	SOAP DISPENSER - SURFACE MOUNTED	OWNER	CONTRACTOR	CONTRACTOR	
9	STAINLESS STEEL SHELF 5" X 18"	CONTRACTOR	CONTRACTOR	CONTRACTOR	
10	MIRROR, VARIES" W x 46"H	CONTRACTOR	CONTRACTOR	CONTRACTOR	
11	MIRROR FULL LENGTH, 30" W x 72"H	CONTRACTOR	CONTRACTOR	CONTRACTOR	
20	WALL HOOK - GUN BELT (25 LB CAPACITY)	CONTRACTOR	CONTRACTOR	CONTRACTOR	1

EQUIPMENT SCHEDULE NOTES

- PROVIDE BLOCKING IN WALL AS REQUIRED TO SUPPORT 25 LB CAPACITY

ROOM SCHEDULE											
MARK	ROOM NAME	FLOOR	BASE	WALLS				CEILING		NOTES	
				NORTH	EAST	SOUTH	WEST	TYPE	HEIGHT		
101	HALLWAY		MATCH EXIST	MATCH EXIST	PT (MATCH EXIST)	EXIST	EXIST	EXIST	ACT (MATCH EXIST)	8'-0"	1
111	MEN		PORC	CT	CT	CT	CT	CT	ACT	8'-6"	
112	WOMEN		PORC	CT	CT	CT	CT	CT	ACT	8'-0"	
150	MEN		PORC	CT	CT	CT	CT	CT	ACT	8'-0"	
151	WOMEN		PORC	CT	CT	CT	CT	CT	ACT	8'-0"	
152	CLOSET		CONC	RUB	EXIST	EXIST	FRP	FRP	ACT	8'-0"	
250	MEN		PORC	CT	CT	CT	CT	CT	ACT	8'-0"	
251	WOMEN		PORC	CT	CT	CT	CT	CT	ACT	8'-0"	
252	CLOSET		CONC	RUB	PT (E)	PT (E)	PT	PT	ACT	8'-0"	

ROOM SCHEDULE NOTES:

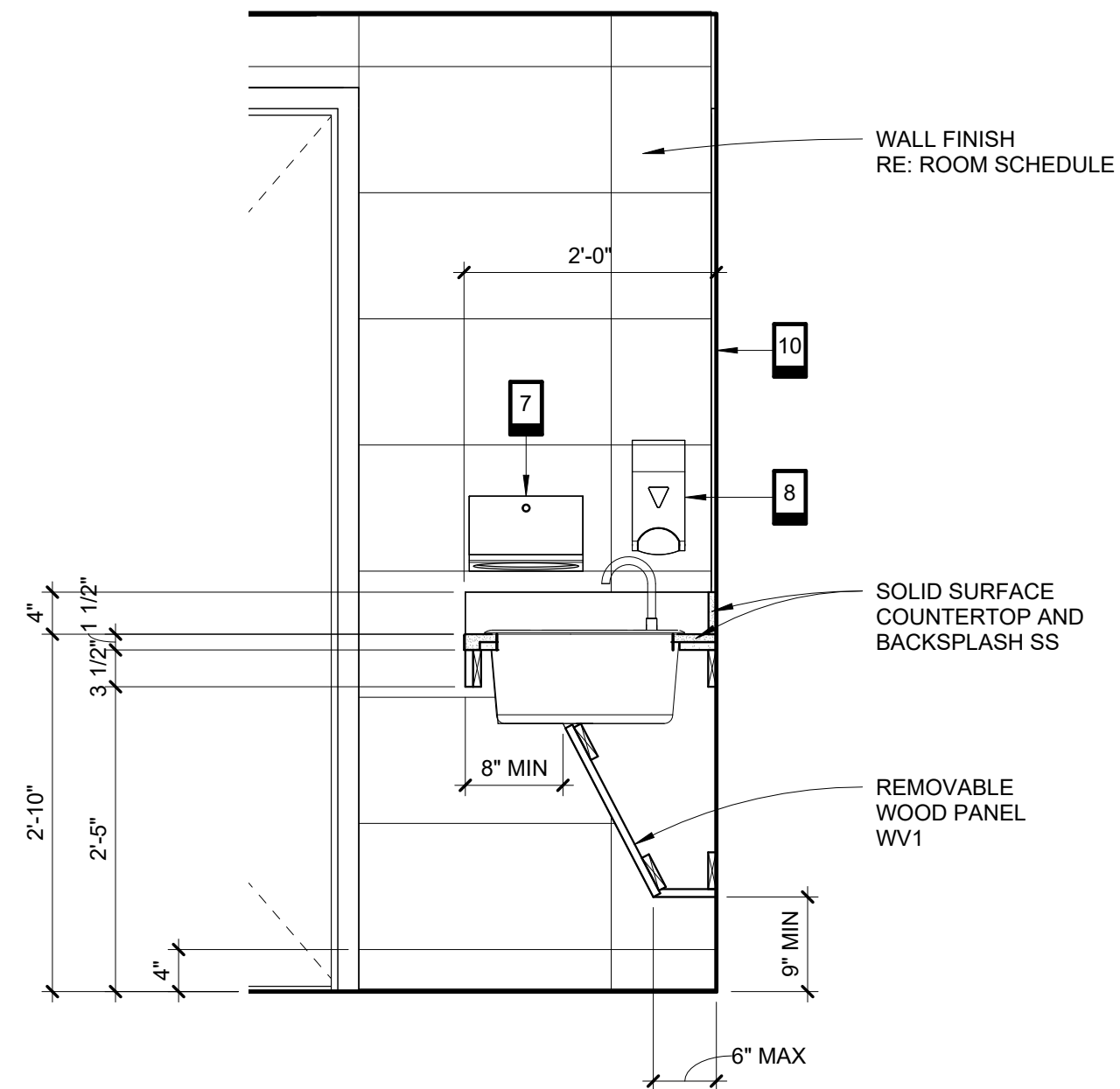
- CLEAN EXISTING CEILING GRID AND TOUCHUP PAINT MINOR RUST BLEMISHES (E) EXISTING

FINISH LEGEND:

PAINT/COLOR	FLOORING	CEILING
PT1 FIELD COLOR MANUF SHERWIN WILLIAMS COLOR SW 0000 TBD	BRK PORC MANUF PORCELAIN FLOOR TILE COLOR CAMBRIDGE OAK NATURAL AL6U	ACT STYLE 2 X 4 X 5/8 ACOUSTICAL TILE USG RADAR ACOUSTICAL PANELS CLIMAPLUS PERFORMANCE
PT2 ACCENT PAINT MANUF SHERWIN WILLIAMS COLOR SW 0000 TBD	NATURAL MATCH EXISTING COURT MEN TOILET LATI CHESTNUT BROWN 6" X 36"	COLOR FLAT WHITE 050 MATCH EXISTING COURT MEN TOILET
PT3 STOREFRONT COLOR MATCH EXISTING COLOR AND FINISH	GROUT SIZE	EXST MATCH EXISTING SYSTEM
PT4 DOOR FRAME COLOR MANUF SHERWIN WILLIAMS COLOR TO MATCH EXISTING	WALLS CT MANUF GLAZED PORCELAIN TILE COLOR MARAZZI "MELODIC" CV08 MATCH EXISTING COURT MEN TOILET GROUT #88 SILVER SHADOW SIZE 12" X 24" x 5/16" TRIM STACKED PATTERN 12"H X 24"W SCHLUTER - RONDEC SATIN ANODIZED ALUMINIUM	WOOD VENEER WV1 MATCH EXISTING WOOD VENEER SPECIES, STAIN, AND FINISH OF COURT MEN TOILET
		COUNTERTOPS SS MANUF SOLID SURFACE COUNTERTOP COLOR CORIAN COCOA PRIMA MATCH EXISTING COURT MEN TOILET COUNTERTOP

TOILET RENOVATIONS GENERAL SCOPE OF WORK

- PROVIDE ADA COMPLIANT BATHROOM ROOM SIGNAGE AT EACH TOILET ROOM DOOR
- PROVIDE SEALANT AT ALL COUNTERTOPS / BACKSPLASHES AND PLUMBING FIXTURES TYPICAL

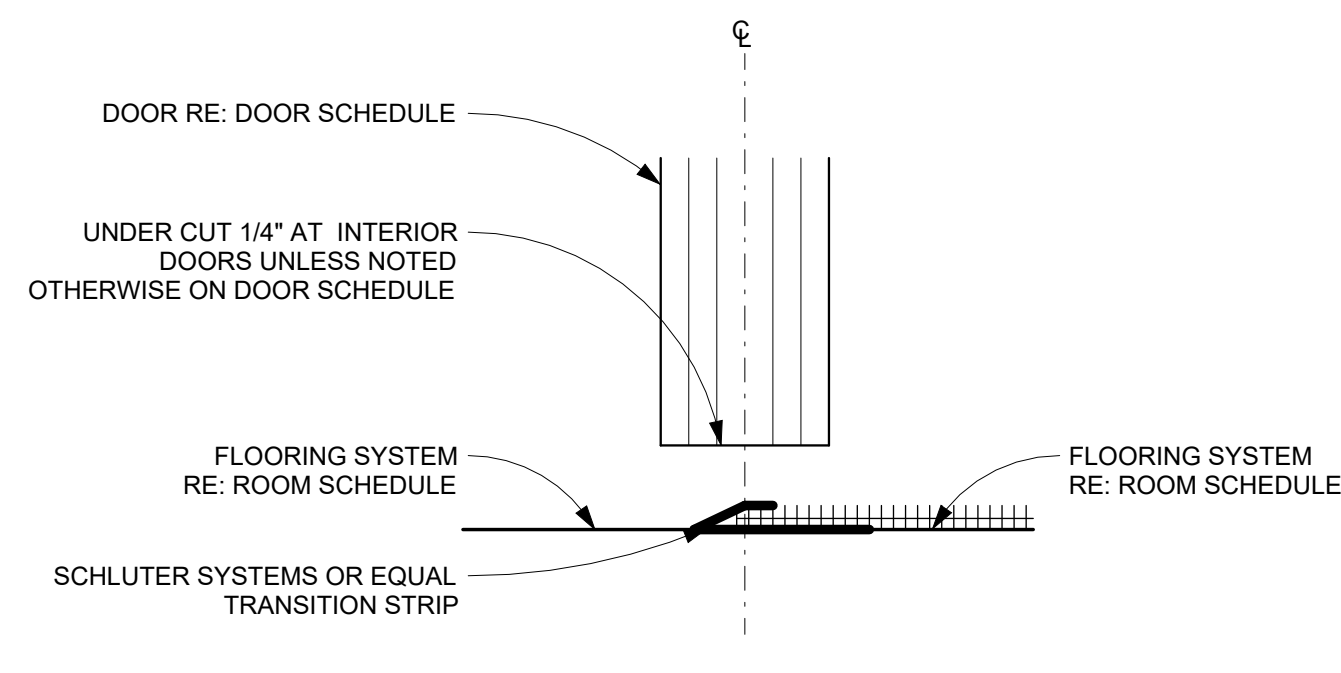


4 TOILET VANITY SECTION (TYPICAL)
3/4" = 1'-0" | 2 - A601

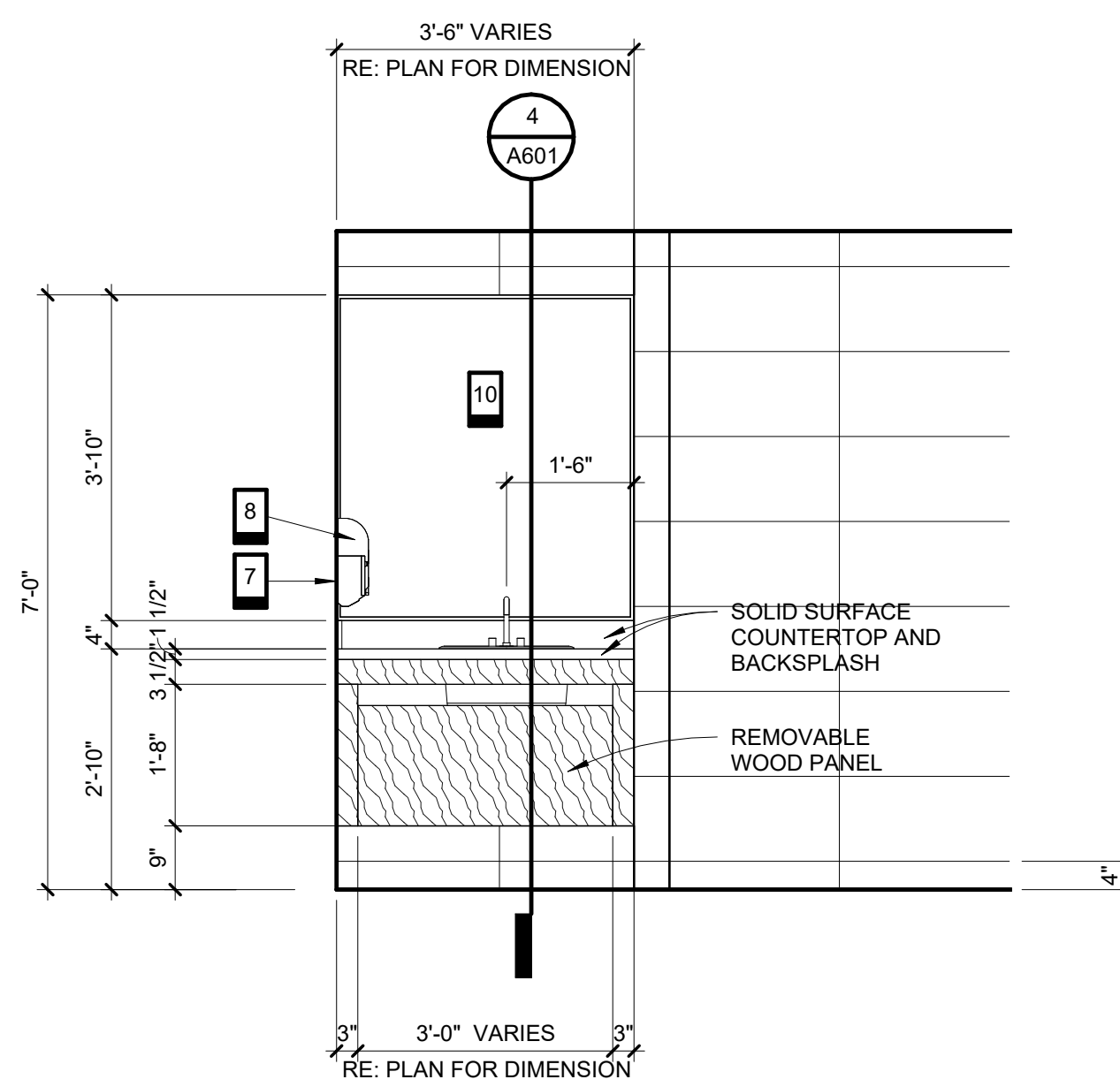
DOOR SCHEDULE															
DOOR NO.	ROOM NAME	DOOR						FRAME		HDW SET NO.	DETAIL			NOTES	
		TYPE	QTY	WIDTH	HEIGHT	FINISH	GLAZING	TYPE	FINISH		HEAD	JAMB	THRESHOLD		
101	HALLWAY	F	SINGLE	3'-0"	7'-0"	WOOD		A	PT4	06				1/A601	1
111	MEN	F	SINGLE	3'-0"	7'-0"	WOOD		A	PT4	05				1/A601	1
112	WOMEN	F	SINGLE	3'-0"	7'-0"	WOOD		A	PT4	05				1/A601	1
150	MEN	F	SINGLE	3'-0"	7'-0"	WOOD		A	PT4	05				1/A601	1
151	WOMEN	F	SINGLE	3'-0"	7'-0"	WOOD		A	PT4	05				1/A601	1
250	MEN	F	SINGLE	3'-0"	7'-0"	WOOD		A	PT4	05				1/A601	1
251	WOMEN	F	SINGLE	3'-0"	7'-0"	WOOD		A	PT4	05				1/A601	1

DOOR SCHEDULE NOTES

- PROVIDE DOOR LOUVER TO MATCH EXISTING SIZE AND FINISH.
- EXISTING DOOR, FRAME, AND HARDWARE.



1 TYPICAL TRANSITION
6" = 1'-0"



2 TOILET VANITY ELEVATION (TYPICAL)
1/2" = 1'-0" |



3 DOOR PANEL AND FRAME TYPES
N.T.S.



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**SCHEDULES AND
MILLWORK**



A601

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GENERAL ELECTRICAL NOTES

- ALL WORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE (NEC) (INCLUDING LOCAL AMENDMENTS), AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES. WHERE CONFLICTS ARISE, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE PROJECT SITE PRIOR TO SUBMITTING BID IN ORDER TO VERIFY THE EXTENT OF THE CONSTRUCTION WORK AND THE ACTUAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. SUBMITTAL OF BID SHALL BE CONSIDERED PROOF THAT THE CONTRACTOR HAS VISITED THE JOB SITE AND IS FAMILIAR WITH THE SITE SPECIFIC CONSTRUCTION REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR PROCURING ALL NECESSARY PERMITS AND LICENSES REQUIRED FOR WORK. PAY ALL LAWFUL FEES, INCLUDING, BUT NOT LIMITED TO UTILITY DEPOSITS, INSPECTION FEES, AND TEMPORARY AND PERMANENT CONSTRUCTION FEES.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF ELECTRICAL SYSTEMS WITH OTHER TRADES. REFER TO DRAWINGS FOR EXACT LOCATIONS OF MECHANICAL AND PLUMBING EQUIPMENT. FAILURE TO COORDINATE WITH OTHER TRADES SHALL NOT RESULT IN A CHANGE ORDER.
- USE OF METALCLAD CABLE IS ACCEPTABLE FOR LIGHTING WHIPS. OTHER USES ARE SUBJECT TO APPROVAL BY ENGINEER OF RECORD PRIOR TO INSTALLATION.
- UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING THE CIRCUIT:
 - INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE.
 - PERFORM CONTINUITY TEST.
 - VERIFY PROPER PHASING CONNECTION TO ALL THREE PHASE MOTOR LOADS.
- ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ACCEPTABLE MANUFACTURERS SHALL BE AS INDICATED FOR EQUIPMENT SCHEDULED UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PROVIDE ALL NECESSARY WIRING AND EQUIPMENT AND MAKE ALL FINAL CONNECTIONS FOR A COMPLETE AND OPERATIONAL SYSTEM.
- RETAIN ALL EXISTING CIRCUITING, SWITCHING ZONES AND LOCATIONS.
- PROVIDE GFCI RECEPTACLE IN NEW JUNCTION BOX AT LOCATIONS INDICATED ON DRAWINGS
- PROVIDE POWER FOR AUTOMATIC FLUSH VALVES AT PLUMBING FIXTURES AS REQUIRED.

GENERAL LIGHTING NOTES

- THE LOCATION OF DUCTS, PIPE AND EQUIPMENT AS SHOWN ON THE DRAWINGS IS DIAGRAMMATIC AND SCHEMATIC AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL OTHER TRADES BEFORE INSTALLATION. LIGHT FIXTURE LOCATIONS SUPERSEDE HVAC DUCTWORK, GRILLES AND DIFFUSERS. OFFSET TO AVOID STRUCTURE AND/OR ANY OTHER PIPING.
- COORDINATE EXACT FIXTURE LOCATIONS WITH STRUCTURE, DIFFUSERS, ETC.
- WHERE FIELD CONDITIONS WILL INTERFERE WITH THE INTENDED LIGHTING LAYOUT, CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ARCHITECT.
- PROVIDE ALL ACCESSORIES, CABLES AND CONNECTIONS REQUIRED FOR FUNCTIONAL ELECTRICAL AND LIGHTING INSTALLATION AND SUPPORT.
- PROVIDE TWO COPIES OF OPERATION AND MAINTENANCE MANUALS FOR ALL LIGHT FIXTURES.

LIGHT FIXTURE SCHEDULE

PROVIDE LED LIGHT FIXTURES AND MOTION SENSOR LIGHTING CONTROLS TO MATCH COURT MEN TOILET ROOM AS FOLLOWS:

K1	2X4 LAY-IN FLAT PANEL LED METALUX 24FP4740C
C1	6" RECESSED LED DOWNLIGHT WITH LENS PORTFOLIO LD6C 15 90 40 D010 M 0 H
SB	STROBE LIGHT TO MATCH EXISTING

LIGHTING CONTROLS MOTION SENSING
DUAL TECH ACTIVATED LIGHT SWITCH
(PROVIDE ONE PER RESTROOM TYPICAL)

TOILET RENOVATION PLUMBING SCOPE OF WORK:

- REMOVE EXISTING PLUMBING FIXTURES AND FLOOR DRAINS AS SHOWN.
- SURVEY BUILDING TO DETERMINE LOCATION AND CONDITION OF NEAREST ACTIVE DOMESTIC WATER LINES AND SANITARY SEWER LINES SERVING THE NW 1ST FLOOR AND POLICE DEPARTMENT TOILET ROOMS.
- PROVIDE NEW COLD WATER AND HOT WATER ISOLATION VALVES TO ISOLATE EACH BATHROOM GROUP (TYP 3). INSTALL VALVES IN ACCESSIBLE LOCATION OR PROVIDE ACCESS PANEL TO ACCESS VALVES. COORDINATE ACCESS PANEL LOCATION, SIZE, AND COLOR WITH ARCHITECT.
- MODIFY EXISTING SEWER, VENT, HOT WATER, AND COLD WATER LINES TO ACCOMMODATE NEW FIXTURES.
- PROVIDE ANGLE STOPS AND ESCUSION PLATES AT LAVATORY AND DRINKING FOUNTAIN DOMESTIC WATER STUB-INS THROUGH WALL.
- PROVIDE NEW TYPE 'A' WATER HAMMER ARRESTORS AT THE END OF EACH COLD WATER LINE SERVING TOILETS.
- SURVEY EXISTING PLUMBING SYSTEMS TO DETERMINE EXISTING PLUMBING MATERIAL TYPES. ALL NEW PIPING MATERIALS SHALL COMPLY WITH CURRENT PLUMBING CODE.
- PROVIDE NEW SANITARY SEWER WALL CLEANOUTS. CLEANOUTS SHALL BE LOCATED PER APPLICABLE PLUMBING CODES AND SHALL BE COORDINATED WITH THE ARCHITECT.
- PROVIDE NEW PLUMBING FIXTURES AND AUTOMATIC FLUSH CONTROLS TO MATCH FIXTURES IN COUNCIL CHAMBERS RESTROOM GROUP. CONTRACTOR TO VERIFY EXISTING PLUMBING FIXTURES DURING PRE-BID WALK THRU. ALL FIXTURES TO BE ADA.
- PROVIDE DRINKING FOUNTAIN TO MATCH COUNCIL CHAMBER SINGLE DRINKING FOUNTAIN WITH BOTTLE FILLER.
- PROVIDE ASSE 1070 MIXING VALVES AT ALL LAVATORIES.
- PROVIDE TRUBRO LAV GUARD II (OR SIMILAR) PROTECTION FOR PLUMBING LINES UNDER LAVATORIES.
- FIELD VERIFY IF TRAP PRIMERS FOR FLOOR DRAINS ARE PRESENT AND OPERABLE. IF NO OPERABLE TRAP PRIMERS ARE PRESENT, PROVIDE TRAP GUARDS FOR FLOOR DRAINS AND INSTALL IN EXISTING FLOOR DRAIN BODIES AND REINSTALL EXISTING WHERE APPLICABLE.
- PROVIDE NEW WALL CARRIERS AND MOUNTING ACCESSORIES FOR ALL NEW FIXTURES.
- CAULK NEW FIXTURES TO FLOOR/WALL/COUNTER TO ENSURE TIGHT SEAL TO MOUNTING SURFACE.
- WHERE POSSIBLE, CONNECT TO NEW VENT PIPING TO EXISTING VENT PIPING AND REUSE EXISTING VENT TERMINATIONS THROUGH ROOF TO AVOID ANY NEW ROOF WORK.
- REROUTE EXISTING IN-WALL PLUMBING AS REQUIRED FOR NEW WORK.
- PROVIDE TWO COPIES OF OPERATION AND MAINTENANCE MANUALS FOR ALL PLUMBING FIXTURES.
- PROVIDE ADEQUATE WALL CLEANOUTS TO CLEAN PLUMBING LINES PER IPC REQUIREMENTS.

TOILET RENOVATIONS PLUMBING NOTES:

- PLUMBING INSTALLATION SHALL COMPLY WITH ALL LOCALLY ADOPTED CODES AND REGULATIONS.
- VALVES SHALL BE LINE SIZE.
- PIPING IN FINISHED AREAS SHALL BE ROUTED CONCEALED; EXPOSED PIPING, WHERE NECESSARY, SHALL BE ROUTED AS HIGH AS POSSIBLE AND TIGHT TO WALLS. NOTIFY ARCHITECT PRIOR TO INSTALLATION IF EXPOSED PIPING IS REQUIRED.
- INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WITH MINIMUM 2" BLACK CLOSED CELL INSULATION TO PREVENT FREEZING. ALL COLD WATER LINES SHALL BE INSULATED WITH MINIMUM OF 3/4" CLOSED CELL INSULATION WITH VAPOR BARRIER. ALL HOT WATER AND HOT WATER RECIRCULATING LINES SHALL BE INSULATED WITH MINIMUM OF 1" BLACK CLOSED CELL INSULATION.
- COORDINATE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO TURNING BUILDING OVER TO OWNER.
- COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANELS. DO NOT ROUTE PIPING OVER ELECTRICAL PANELS.
- COORDINATE ALL ROOF AND WALL PENETRATIONS WITH OTHER TRADES. ENSURE VENT TERMINATIONS ARE NOT WITHIN 10' OF AIR INTAKES AND ARE NOT WITHIN 2' OF ANY OTHER EQUIPMENT.
- DRAINAGE AND VENT SYSTEMS SHALL BE PRESSURE TESTED WITH WATER OR AIR.
- ALL PENETRATIONS OF FLOOR/CEILING/WALL ASSEMBLIES SHALL BE FIRE STOPPED IN ACCORDANCE WITH LOCALLY ADOPTED BUILDING CODES.
- ALL DRY VENTS SHALL RISE VERTICALLY TO A MINIMUM OF 6 INCHES ABOVE THE FLOOD RIM OF THE HIGHEST TRAP OR TRAPPED FIXTURE BEING VENTED.
- CUTOFF VALVES AND STOPS SHALL BE PROVIDED AT FIXTURE CONNECTIONS.
- PROVIDE SEWER CLEANOUTS AT LOCATIONS AND WITH CLEARANCES REQUIRED BY CODE, NOT EXCEEDING 50' IN HORIZONTAL RUNS AND AT EACH CHANGE OF DIRECTION GREATER THAN 45 DEGREES.
- CAULK AROUND ALL FIXTURES TO SEAL BETWEEN FIXTURE AND FLOOR OR WALL.
- SLOPE 3" AND 4" SANITARY SEWER AT 1/8" PER FOOT.
- SLOPE VENT PIPING AT 1/4" PER FOOT GRADED TO DRIP BACK TO SOIL OR WASTE PIPE BY GRAVITY.
- DOMESTIC HOT WATER CIRCULATION LOOP SHALL DROP INTO WALL/PLUMBING CHASE TO WITHIN 6 INCHES OF THE TAKE-OFF FOR THE FIXTURE SERVED.

BID ALTERNATE NO. 1: POLICE DEPARTMENT SANITARY SEWER IMPROVEMENTS

REMOVE ALL EXISTING SANITARY SEWER LINES SERVING 1ST FLOOR AND 2ND FLOOR TOILET RENOVATIONS WITHIN THE POLICE DEPARTMENT SCOPE OF WORK AND REPLACE WITH NEW PIPING TO MEET CURRENT ADOPTED PLUMBING CODES. REFER TO SHEET A154.

PLUMBING FIXTURE SCHEDULE

PROVIDE WATER LINE ISOLATION VALVES AT HOT AND COLD DOMESTIC WATERLINES FOR EACH RESTROOM GROUP TYPICAL.

PROVIDE MANUAL (M) OPERATED AT POLICE DEPARTMENT/ PD AND AUTOMATIC (A) OPERATED CONTROLS AT NW 1ST FLOOR CITY HALL RESTROOMS TYPICAL.

LAV (M)	AMERICAN STANDARD OVALYN UNDERCOUNTER SINK (WHITE) 0495.221.020 WHT UNDERCNTR LAV17-1/8 X 14-1/8 SINK DELTA LAVATORY FAUCETS; 252929LF-LGHDF CHROME LAV FAUCET DEARBORN BRASS; 760-1 1-1/4X6 CAST GRID DRAIN3700-6PC B-0899 MECHANICAL MIXING VALVE; 25903 MIX VLV 3/8" COMPRESSION LFOLD MIX-60-A MANUAL MIX
WCF - ADA (M)	AMERICAN STANDARD FLOOR MOUNT MADERA FLOWISE 16 1/2" HEIGHT ELONGATED FLUSHOMETER TOILET (WHITE) WATER CLOSET; 3043.001 ELONGATED BOWLY ONLY, TOP SPUD SLOAN MANUAL FLUSHOMETER; 3080053 111-XL REGAL FV ADA1.6 CLOS FLUSH VALVE COMMERCIAL HEAVY-DUTY TOILET SEAT FRONT (NO COVER)
WCF (M)	AMERICAN STANDARD FLOOR MOUNT MADERA FLOWISE 15" HEIGHT ELONGATED FLUSHOMETER TOILET (WHITE) WATER CLOSET; 2234.001 ELONGATED BOWLY ONLY, TOP SPUD SLOAN MANUAL FLUSHOMETER; 3080053 111-XL REGAL FV ADA1.6 CLOS FLUSH VALVE COMMERCIAL HEAVY-DUTY TOILET SEAT FRONT (NO COVER)
UR (M)	AMERICAN STANDARD WASHBROOK FLOWISE UNIVERSAL URINAL (WHITE) 6590.001.020 WHT WSHBRK RUINALWASHBROOK SLOAN MANUAL FLUSHOMETER; 3082653 186-XL REGAL FLV VLV1.5 URINAL FLUSH VALVE SMITH MFG. CO.; 0637.M32 URINAL CARRIER W/ BOTTOM BEARING PLATE AND 50" UPRT
LAV (A)	AMERICAN STANDARD OVALYN UNDERCOUNTER SINK (WHITE) 0495.221.020 WHT UNDERCNTR LAV17-1/8 X 14-1/8 SINK AMERICAN STANDARD; SELECTRONIC PROXIMITY FAUCET 605X.10X WITH POWER KIT; CHROME DEARBORN BRASS; 760-1 1-1/4X6 CAST GRID DRAIN 3700-6PC B-0899 MECHANICAL MIXING VALVE; 25903 MIX VLV 3/8" COMPRESSION LFOLD MIX-60-A MANUAL MIX
WCF - ADA (A)	AMERICAN STANDARD FLOOR MOUNT MADERA FLOWISE 16 1/2" HEIGHT ELONGATED FLUSHOMETER TOILET (WHITE) WATER CLOSET; 3043.001 ELONGATED BOWLY ONLY, TOP SPUD SLOAN MANUAL FLUSHOMETER; 3080053 111-XL REGAL FV ADA1.6 CLOS FLUSH VALVE WITH REGAL 111 SMO BATTERY-POWERED SIDE-MOUNT OPERATOR SENSOR FLUSHOMETER COMMERCIAL HEAVY-DUTY TOILET SEAT FRONT (NO COVER)
WCF (A)	AMERICAN STANDARD FLOOR MOUNT MADERA FLOWISE 15" HEIGHT ELONGATED FLUSHOMETER TOILET (WHITE) WATER CLOSET; 2234.001 ELONGATED BOWLY ONLY, TOP SPUD SLOAN MANUAL FLUSHOMETER; 3080053 111-XL REGAL FV ADA1.6 CLOS FLUSH VALVE WITH REGAL 111 SMO BATTERY-POWERED SIDE-MOUNT OPERATOR SENSOR FLUSHOMETER COMMERCIAL HEAVY-DUTY TOILET SEAT FRONT (NO COVER)
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EWC	ELKAY EZH20 BOTTLE FILLING STATION WITH SINGLE ADA COOLER FILTERED 8 GPH STAINLESS LZS8WSVRSK EZH20 BOTTLE KIT (1) LZS8WSVRS AND (1) LZWSR
FD	FLOOR DRAIN WITH ADJUSTABLE STRAINER HEAD SMITH MFG. CO.; 2005LXH04-A05-NB 4" FLOOR DRAIN W/5" ROUND NB TOP AND GASKET
WCO	WALL CLEANOUTS SMITH MFG. CO.; 4" WALL CLEANOUT

TOILET RENOVATIONS MECHANICAL SCOPE OF WORK

- REPLACE EXISTING CEILING SUPPLY AND EXHAUST REGISTERS WITH NEW ALL ALUMINUM CONSTRUCTION SUPPLY AND EXHAUST REGISTERS TO MATCH COURT MEN TOILET ROOM REGISTERS.
- EXHAUST REGISTERS TO BE TITUS 350FL OR EQUAL WITH OPPOSED BLADE DAMPER.
- SUPPLY REGISTERS TO BE TITUS 300FL OR EQUAL WITH OPPOSED BLADE DAMPER.
- AT PERIMETER WALL CHASES PROVIDE (2) 12" X 12" AIR REGISTERS IN WALL 12" BELOW CEILING TO ALLOW ROOM AIR TO CIRCULATE IN PLUMBING TO MINIMIZE FREEZING PIPES.
- INSULATE ALL PIPING LOCATED ADJACENT TO EXTERIOR WALLS TYPICAL.
- ENSURE EXHAUST FAN RUNS CONSTANTLY WHILE BUILDING IS OCCUPIED.

TOILET RENOVATIONS TEST AND BALANCE SCOPE OF WORK:

- PROVIDE TEST AND BALANCE ON SUPPLY AND EXHAUST SYSTEMS AT THE TOILET RENOVATIONS AREAS WITHIN THE SCOPE OF THIS PROJECT.
- TESTING, ADJUSTING, AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). TESTING, ADJUSTING AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH AABC STANDARDS.



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NUMBER ISSUE DATE REVISION



**MIDWEST CITY
POLICE DEPARTMENT
RESTROOM
RENOVATION**

100 NORTH MIDWEST BLVD
MIDWEST CITY, OKLAHOMA
73110

ISSUE
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ISSUE DATE
12.29.2023

PROJECT NO.
23016

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SHEET TITLE
**MECHANICAL,
ELECTRICAL,
PLUMBING NOTES
AND SCHEDULES**



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