

RESTROOM RENOVATION- ROSETREE COUNTY PARK

1671 N PROVIDENCE RD, MEDIA, PA 19063

ABBREVIATIONS

AB	Anchor Bolt	EA	Each	JAN	Janitor	RJ	Reveal joint
AC	Air Conditioning	E JTC—1	Exp. Jt. Cover & Type	JT	Joint	RM	Room
ACOUS	Acoustics	EL	Elevation	JUNC	Juncture	RO	Rough opening
ACP	Acous Ceiling Panels	ELEV	Elevator	LVT	Luxury Vinyl Tile	RRP	Radius reference point
ACT—1	Acous ceiling tile & type	EMER	Emergency	LAV	Lavatory	RWC	Rainwater conductor
AD	Access door	ENTR	Entrance	LP	Low Point		
ADH	Adhesive	EP	Extruded Polystyrene	LTG	Lighting		
ADJ	Adjustable	EPS	Expanded Polystyrene				
AFF	Above finished floor	EQ	Equal	MSNRY	Masonry	SAB	Sound attenuation blanket
ALT	Alternate	ER	Existing to remain	MATL	Material	SVF	Seamless vinyl flooring
ALUM	Aluminium	ESB	Exterior soffit board	MAX	Maximum	SCW	Solid core wood
ANDZ	Anodize	EWC	Electric water cooler	MB	Mail box	SCHED	Schedule
APPROX	Approximate	EXH	Exhaust	MC	Mineral core	SHLVs	Shelves
A.P.	Access panel	EXP	Exposed	MEMB	Membrane	SHT	Sheet
ARCH	Architect	E JT	Expansion joint	MFR	Manufacturer	SHTHG	Sheathing
ASBLY	Assembly	EXT	Existing	MIN	Minimum	SIM	Similar
ASL	Above slab			MIR	Mirror	SLNT	Sealant
				MISC	Miscellaneous	SPEC	Specification
BAL	Balance	FB	Face Brick	MLWK	Millwork	SF	Square foot
B&B	Balled & bagged	FEC	Fire extinguisher cabinet	MM	Millimeter	SFT	Structural facing tile
BD	Board	FHC	Fire hose & valve cabinet	MO	Masonry Opening	STD	Standard
BEV	Beveled	FD	Floor drain	MR	Membrane Roofing	STL	Steel
BI	Birch	FL	Floor	MTD	Mounted	STOR	Storage
BITUM	Bituminous	FLUOR	Fluorescent	MTL	Metal	STRUC.	Structure
BKSPL	Backsplash	FDN	Foundation	MULL	Mullion	ST STL	Stainless steel
BL	Borrowed light	PFRFG	Fireproofing			SURF	Surface
BLK	Block	FSR	Flexible sheet roof			SUSP	Suspended
BLKG	Blocking	FT	Feet	NAT	Natural (finish)	SYST	System
BM	Beam	FTG	Footing	NO	North		
BOT	Bottom	FUR	Furring	NIC	Not in contract		
BRCG	Bracing			NOM	Nominal	TB	Tackboard
BRG	Bearing	GA	Gauge	NTS	Not to scale	TD	Towel Dispenser
BRK	Brick	GALV	Galvanized			TDR	Towel Dispenser Receptor
BS	Both sides	GB	Grab bar	O	Oak	THOLD	Threshold
		GFB	General contractor	OA	Overall	TEMP	Tempered
CAB	Cabinet	GFB	Glazed Face Brick	OC	On Center	TME	To Match Existing
CASBD	Casing bed	GRB	Glass fiber board	OD	Outside Diameter	T.O.	Top of
CB	Chalkboard	GL	Glass	O.H.	Opposite Hand	TPH	Toilet paper holder
CER	Ceramic	GL CMU	Glazed CMU	OHD	Overhead	TR	Through roof
CH	Ceiling height	GR	Grade	OPG	Opening	TRZ	Terrazzo
CJT	Control joint	GRN	Granite	OPP	Opposite	TSL	Top of slab
CLG	Ceiling	GWB	Gypsum wallboard			TSIL	Top of steel
CLR	Clear or clearance	GYP	Gypsum	PC	Piece	T.O.W.	Top of wall
CMU	Concrete masonry unit			PLAM	Plastic Laminate	TYP	Typical
COL	Column			PLAS	Plaster		
CQMB	Combination	HB	Hose Bib	PNT	Point	UL	UNDERWRITER LABORATORY
CONC	Concrete	HC	Hollow core	POLYC	Polycarbonate	U.O.N.	UNLESS OTHERWISE NOTED
CONSTR	Construction	HDWE	Hardware	PR	Pair		
CONT	Continuous	HCAP	Handicapped	PRTN	Partition	VAR	Varies
CPT	Carpet	HNDRL	Handrail	PT	Point	VB	Vinyl Base
CRS	Course	HORIZ	Horizontal	PTCL BD	Partical Board	VCT	Vinyl composite tile
CS	Cast stone	HP	High Point	PTD	Painted	VERT	Vertical
CSP	Concealed	HT	Height	PLWD	Plywood	VA	Veterans Administration
CT	Ceramic tile	HVAC	Heating, ventilation, & air conditioning	R&S	Rod & Shelf	VST	Vinyl Stair Tread
CTR	Center	HYD	Hydrant	RAD	Radius	WVC	Vinyl wall covering
CW	Curtain wall			RD	Roof drain	W	With
CUT	Conductive vinyl tile			RCF	Raised computer floor	W/O	Without
				REC	Recessed	WD	Wood
DBLE	Double	ID	Inside diameter	RECEP	Receptacle	WO	Window opening
DBL ACT	Double Acting	IFS	Insulation & finish	REF	Reference	WPRFG	Waterproofing
DIA	Diameter	INVS	Insulation	REFL	Reflective		
DIM	Dimension	INVT	Invert	REINF	Reinforcing		
DN	Down	INT	Interior	REQD	Required		
DPFRG	Dampproofing			REV	Revision		
DS	Downspout			RFG	Roofing		
DWGS	Drawings						

DRAWING INDEX

DWG NO.	DWG DATE	REV. #	REV. DATE	DRAWING TITLE
A2	07-07-2024			PROPOSED EXT. &INT. ELEVs
ARCHITECTURAL				
CS	07-07-2024			COVER SHEET
A1	07-07-2024			SITE PLAN &FLOOR PLANS
A3	07-07-2024			HC TOILETS- PLANS, ELEVs &SCHEDULES
A4	07-07-2024			INTERIOR ELEVATIONS
A5	07-07-2024			DETAILS
A6	07-07-2024			DETAILS
PLUMBING				
P000	07-03-2024			PLUMBING SYMBOLS &ABBREVIATIONS
P100	07-03-2024			MALE &FEMALE RESTROOM SANITARY DEMOLITION &NEW SANITARY &DOMESTIC WATER PLANS
P200	07-03-2024			DEMO. &PROPOSED SANITARY &DOMESTIC WATER RISER DIAGRAMS
P300	07-03-2024			PLUMBING FIXTURE CUT SHEETS
ELECTRICAL				
E000	07-03-2024			ELECTRICAL SYMBOLS &ABBREVIATIONS
E100	07-03-2024			ELECTRICAL POWER &LIGHTING PLANS
E200	07-03-2024			ELECTRICAL SINGLE LINE, NOTES, PANEL SCHEDULES

BUILDING CODE/DATA

BUILDING CODE	2018 IBC/ 2018 IEBC
CONSTRUCTION TYPE	5B
APPLICABLE CODES:	
	INTERNATIONAL PLUMBING CODE 2018 (IPC)
	INTERNATIONAL MECHANICAL CODE 2018 (IMC)
	INTERNATIONAL ENERGY CONSERVATION CODE 2018 (IECC)

SYMBOLS LEGEND

	ROUGH WOOD		WINDOW TYPE NOTE		DETAIL TARGET
	WOOD SHIM		DOOR TYPE NOTE		FLOOR ELEVATION
	FINISH WOOD		PARTITION TYPE		GLASS TYPE
	PLYWOOD		INTERIOR ELEVATION		DETAIL REFERENCE
	RIGID INSULATION, EIFS		EXTERIOR ELEVATION		FINISH LABEL
	BATT INSULATION		NORTH ARROW		CEILING TYPE LABEL
	EARTH				
	GRAVEL				
	STRUCTURAL CONCRETE				
	BRICK				
	CONCRETE MASONRY UNIT				
	STEEL				

LOCATION MAP



GENERAL NOTES

- All dimensions are finish dimensions.
- Definitions:
 - Remove: Detach items from existing construction and legally dispose of them off- site, unless noted to be removed and salvaged or removed and reinstalled.
 - Remove and Salvage: Detach items from existing construction and deliver, ready for reuse, as directed by County of Delaware(COD).
 - Remove and Reinstall: Detach item from existing construction, prepare them for reuse, and reinstall them where indicated.
 - Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.
- All work shall be done in accordance with 2018 IBC / IRC applicable and all local/state ordinances.
- All electrical work is to be installed per the latest edition of the national Electrical Code and applicable COD Codes. The completed work is to be certified by an underwriting agency approved by COD.
- The contractor shall secure and pay for the building permit. The contractor, and/or his subcontractors, shall secure and pay for all other permits and governmental fees, licenses, and inspections necessary for proper execution and completion of the work.
- The contractor and his subcontractors to comply with all laws, ordinances, rules, regulations, and orders of any public authority having jurisdiction on the performance of the work.
- The contractor shall comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities bearing on performance of the work.
- The contractor to carefully study and compare the Contract Documents with each other and with information furnished by COD and shall report any errors, inconsistencies, or omissions discovered to the Architect and to COD.
- Contractor is responsible for providing all temporary services and facilities during construction including but not limited to water, electricity, dumpster, job trailer.
- The contractor shall be responsible for compliance with all OSHA regulations.
- The contractor to take field measurements and verify field conditions before proceeding with any work and shall be responsible for same.
- The contractor is responsible for cutting, fitting or patching required to complete the work or to make its parts fit together properly.
- The contractor to keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by construction operations.
- The contractor to provide secure temporary supports as required and maintain same until permanent supports are fully in place.
- Concrete at basement slabs, foundations not exposed to weather conditions shall be 3,000 PSI. Concrete at basement slabs, foundation and exterior walls shall be 3,000 PSI. Concrete at porches, exterior steps and garage slabs shall be 3,5000 PSI. All concrete subject to exterior exposure shall be air entrained at 6% +/-1%.
- Any excavation shall extend a minimum of 12" into undisturbed solid soil and foundations shall extend a minimum of 36" below finished grade.
- Backfilling and rough grading is prohibited until walls have obtained sufficient strength to prevent damage by the backfilling operations per IRC 401.1.

- All guardrails to be 36" A.F.F. and balusters spaced so that 4" diam sphere cannot pass through any point.
- All pipes passing through the foundation are to pass through a sleeve size larger than the pipe it serves. Pack the annular space and seal with a waterproof sealant.
- Provide only 1.6 gallon per flush toilets and 3 GPM fixtures max.
- No lead solder.
- Plumbing, mechanical and all other prefabricated equipment to have approval labels and instructions attached at time of inspection.
- Use moister resistant GWB in all wet areas.

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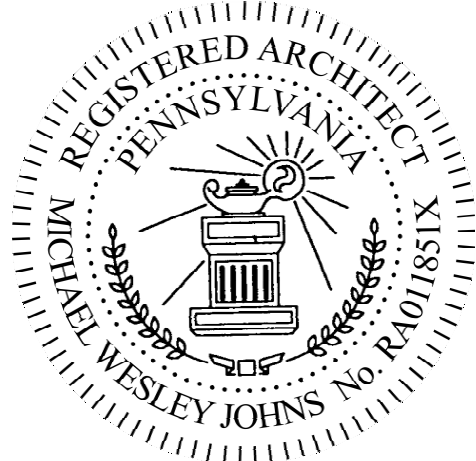
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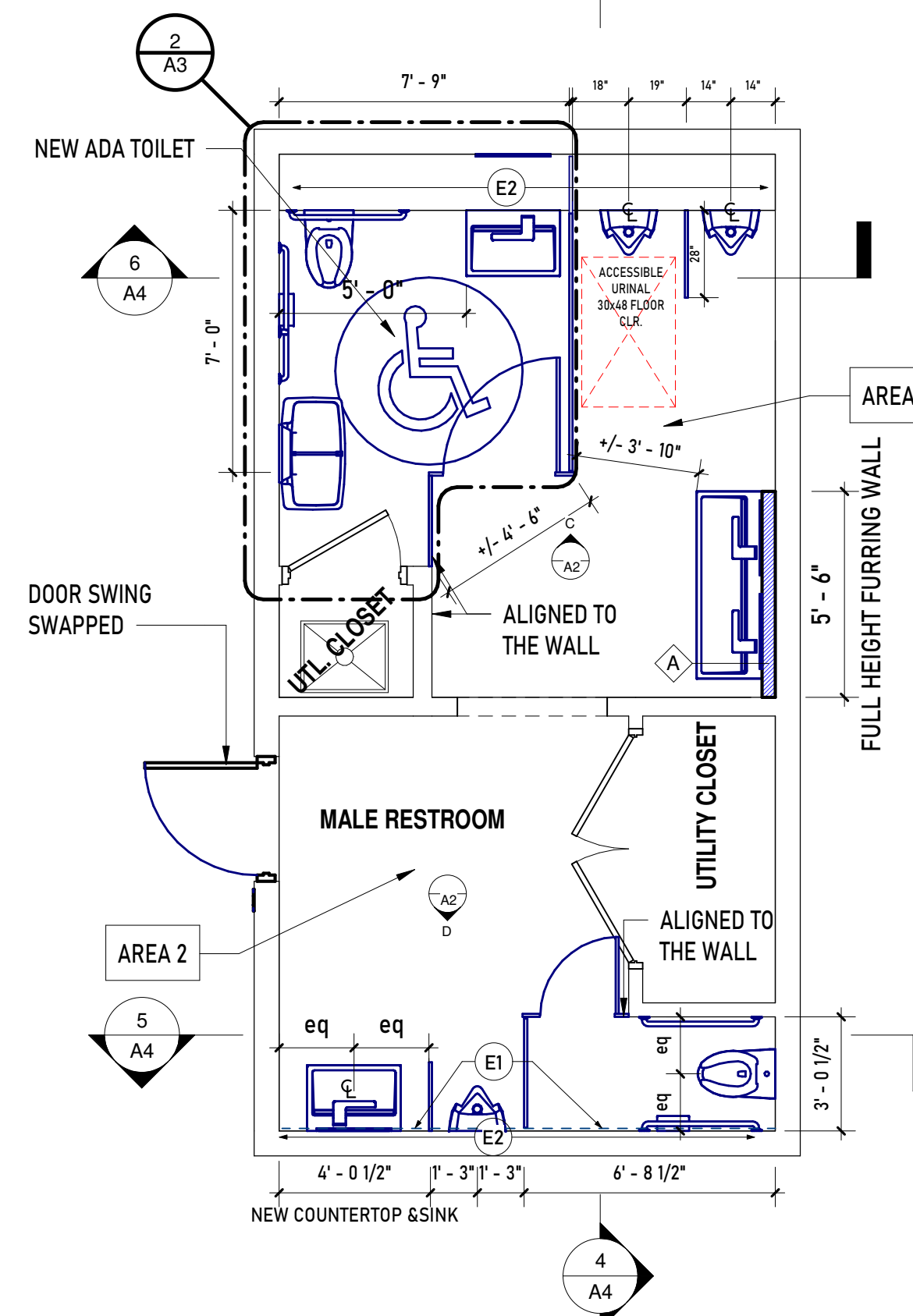
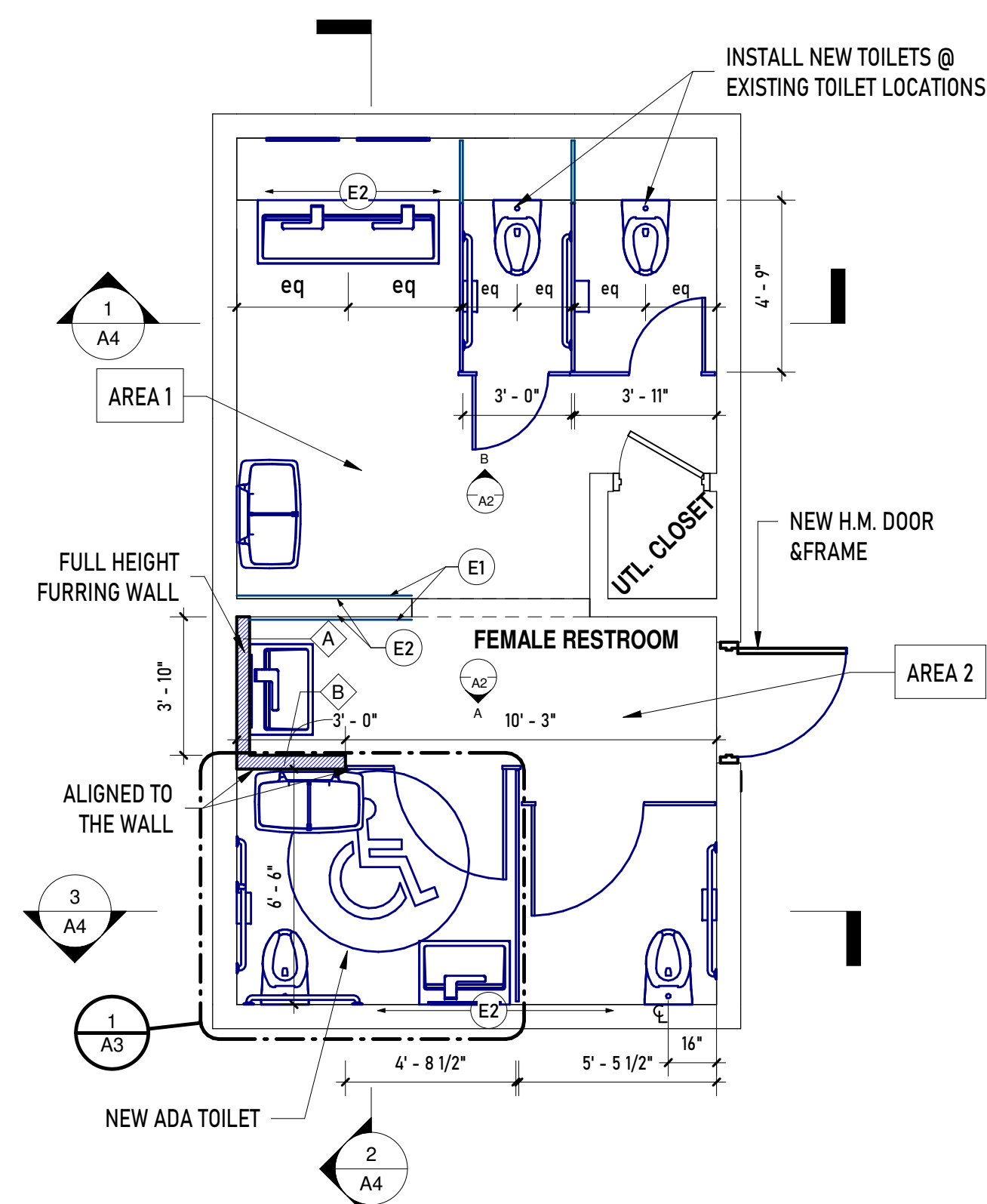
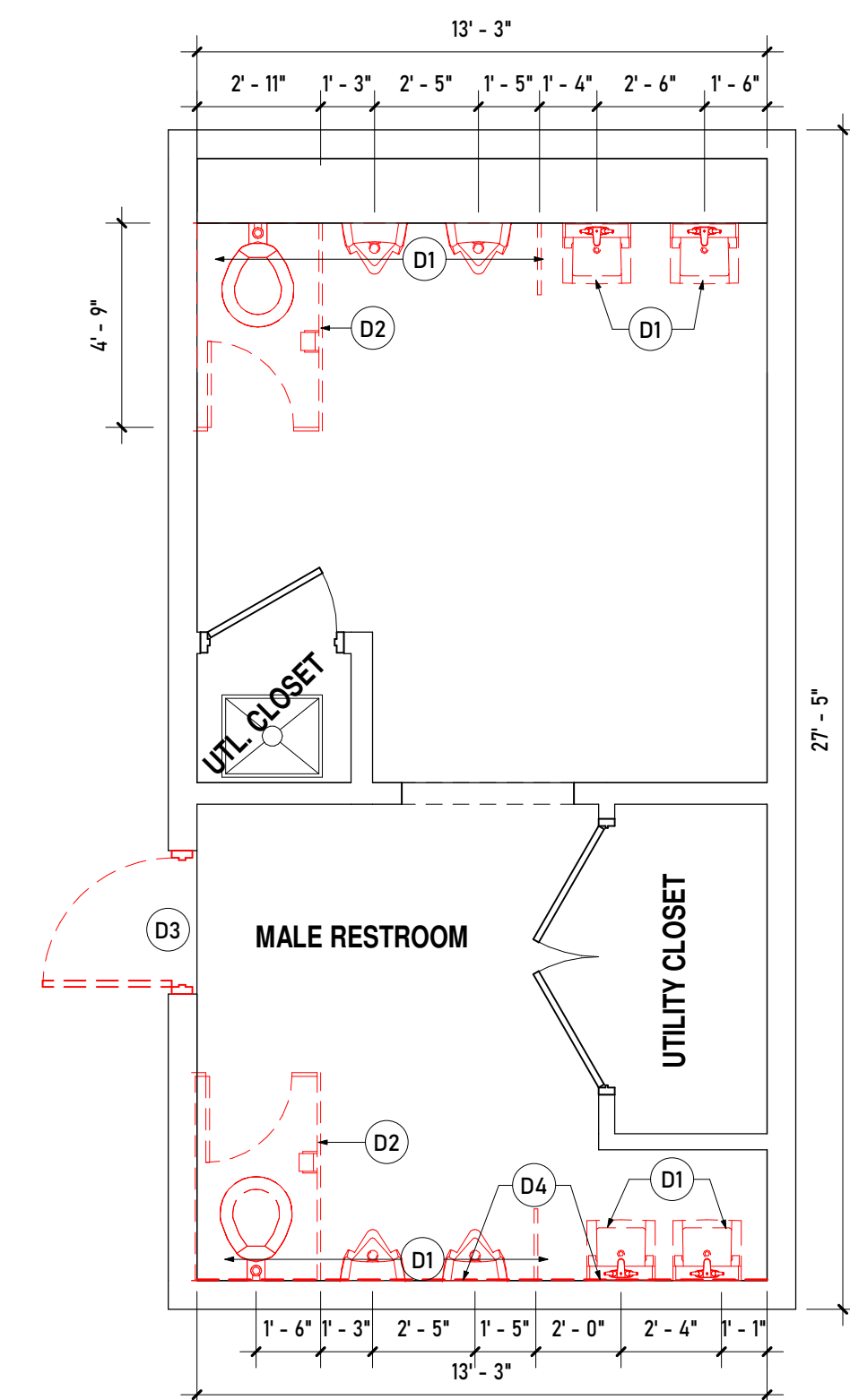
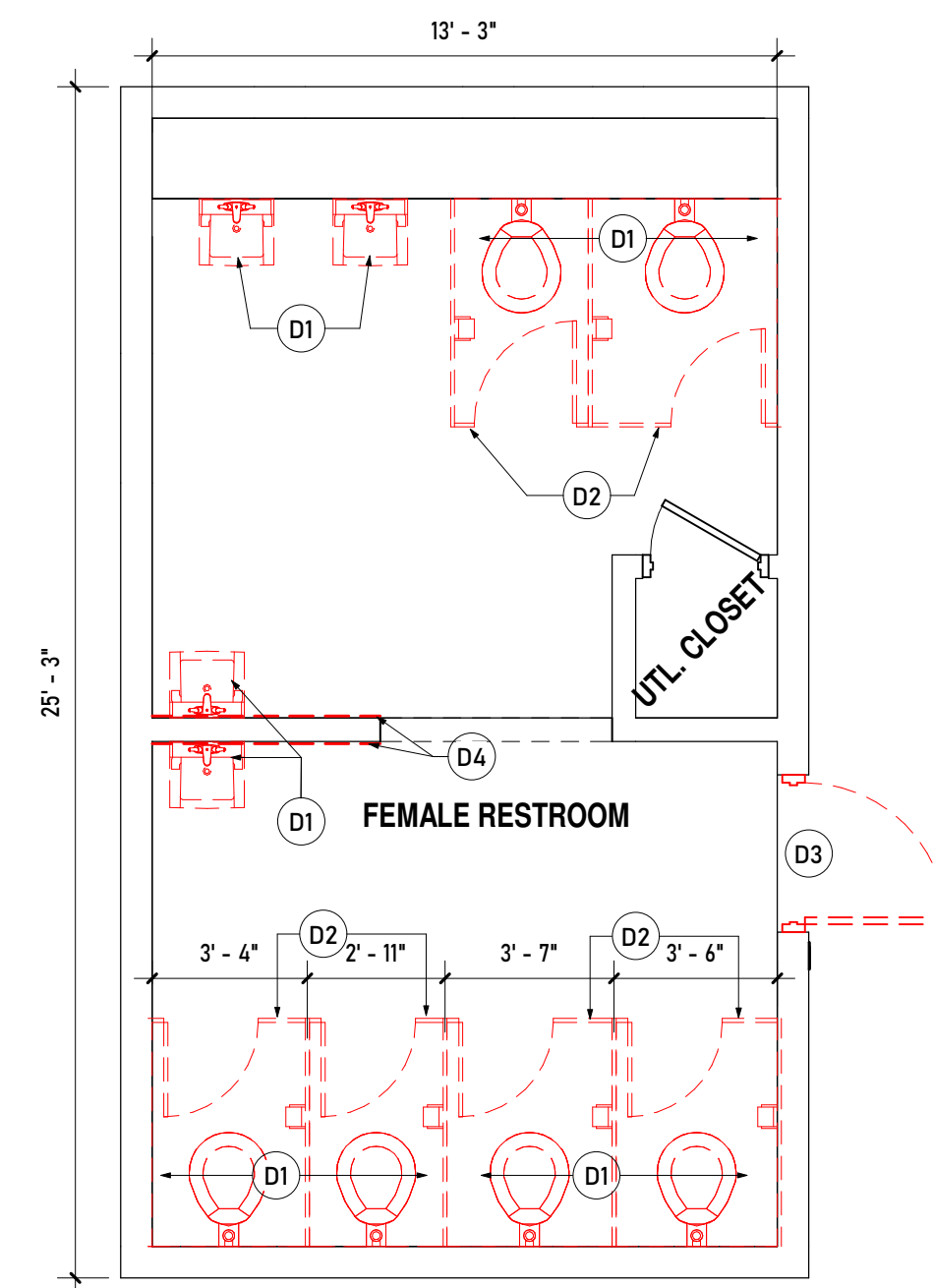
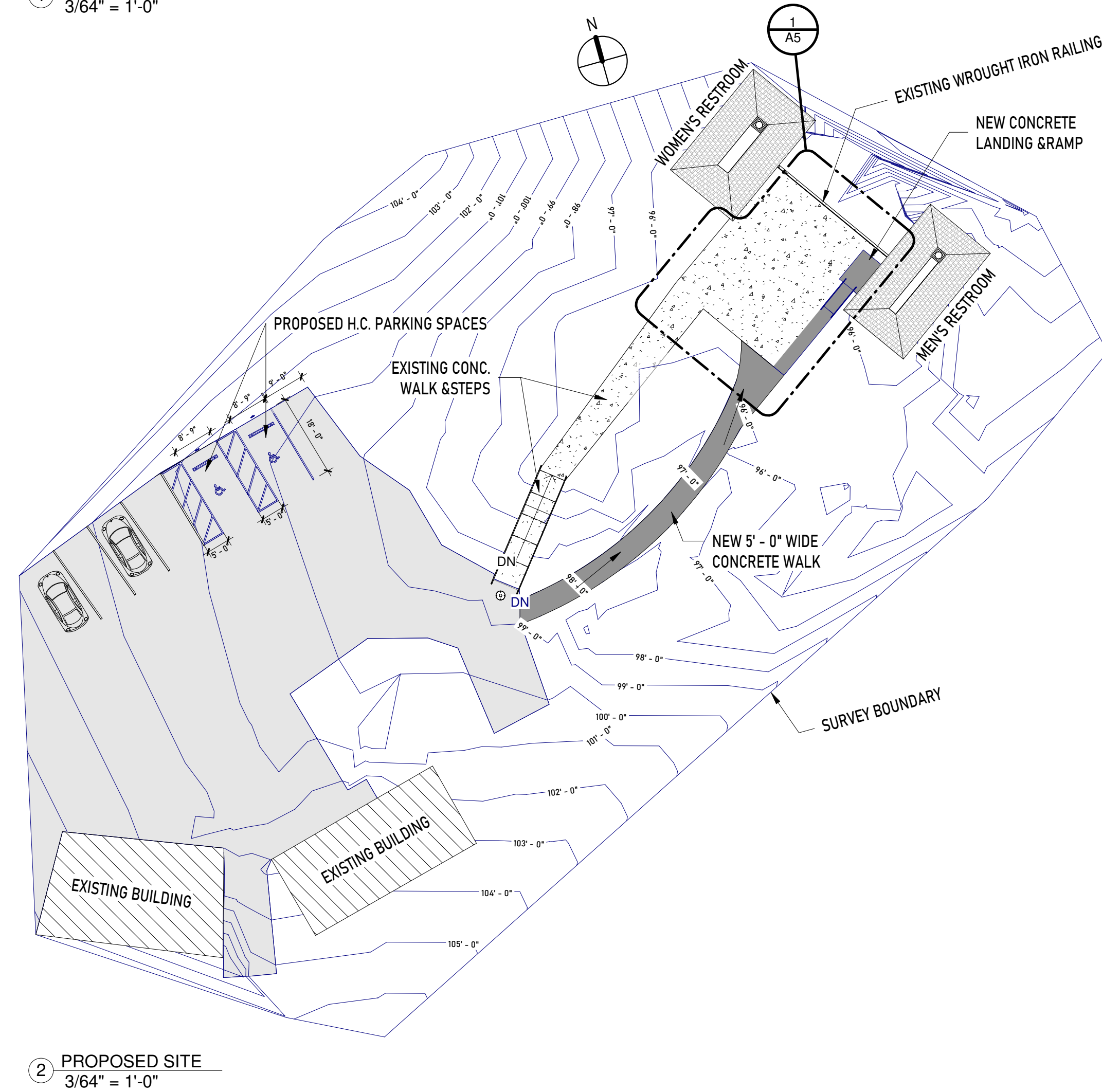
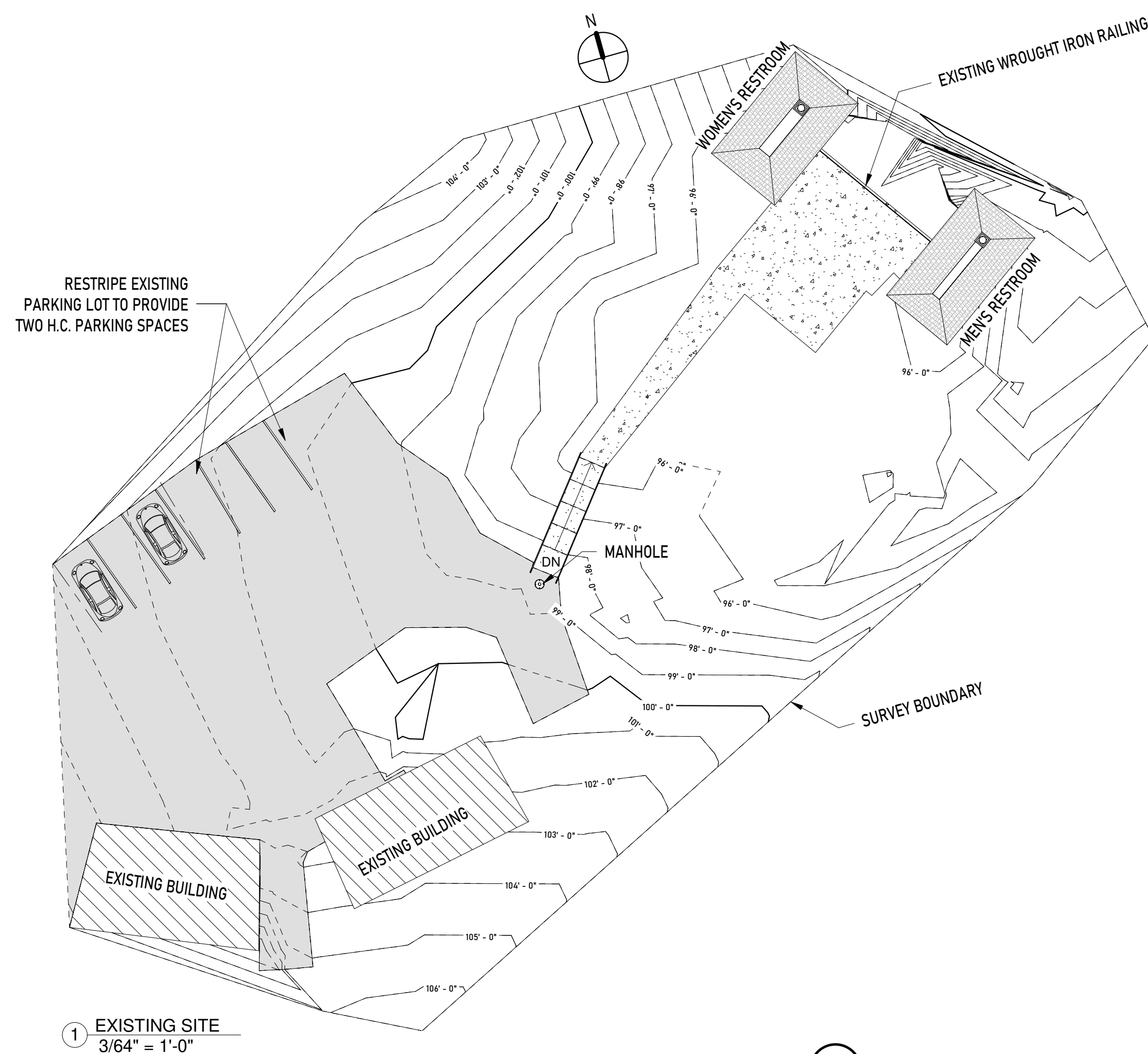
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COVER SHEET

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CS



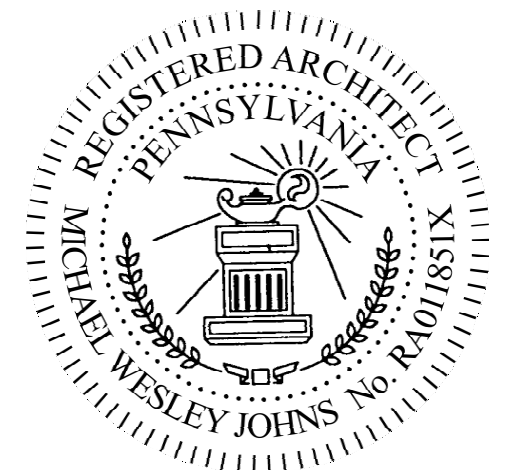
LEGEND	
	EXISTING
	TO BE REMOVED
	NEW CHANGES

DEMOLITION NOTES	
NOTE	DESCRIPTION
D1	REMOVE PLUMBING FIXTURES IN THEIR ENTIRETY.
D2	REMOVE TOILET STALLS AND ACCESSORIES IN THEIR ENTIRETY.
D3	REMOVE EXISTING DOOR, FRAME AND HARDWARE IN THEIR ENTIRETY.
D4	REMOVE THE EXISTING BEADBOARD PANNELLING AS INDICATED.

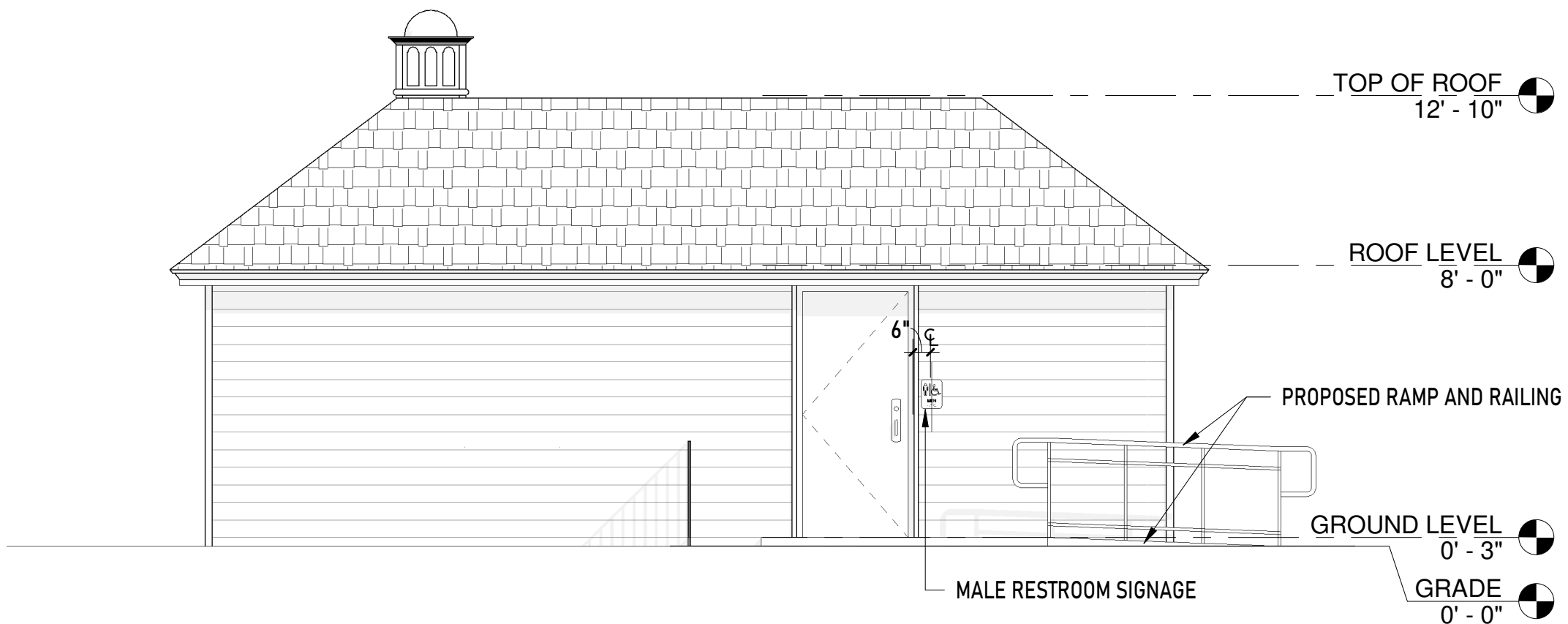
CONSTRUCTION NOTES	
NOTE	DESCRIPTION
E1	NEW BEADBOARD PANELLING TO MATCH THE EXISTING
E2	PATCH THE EXISTING WALL WHERE PLUMBING FIXTURES HAVE BEEN REMOVED.

WALL TYPE LEGEND	
WALL SECTION	WALL TYPE
 <p>BEADBOARD PANEL</p> <p>1/2" M.R. GWB</p> <p>2x4 WD. FURRING</p>	A
 <p>1/2" M.R. GWB</p> <p>2x4 WD. SECTIONS @16" O.C.</p>	B

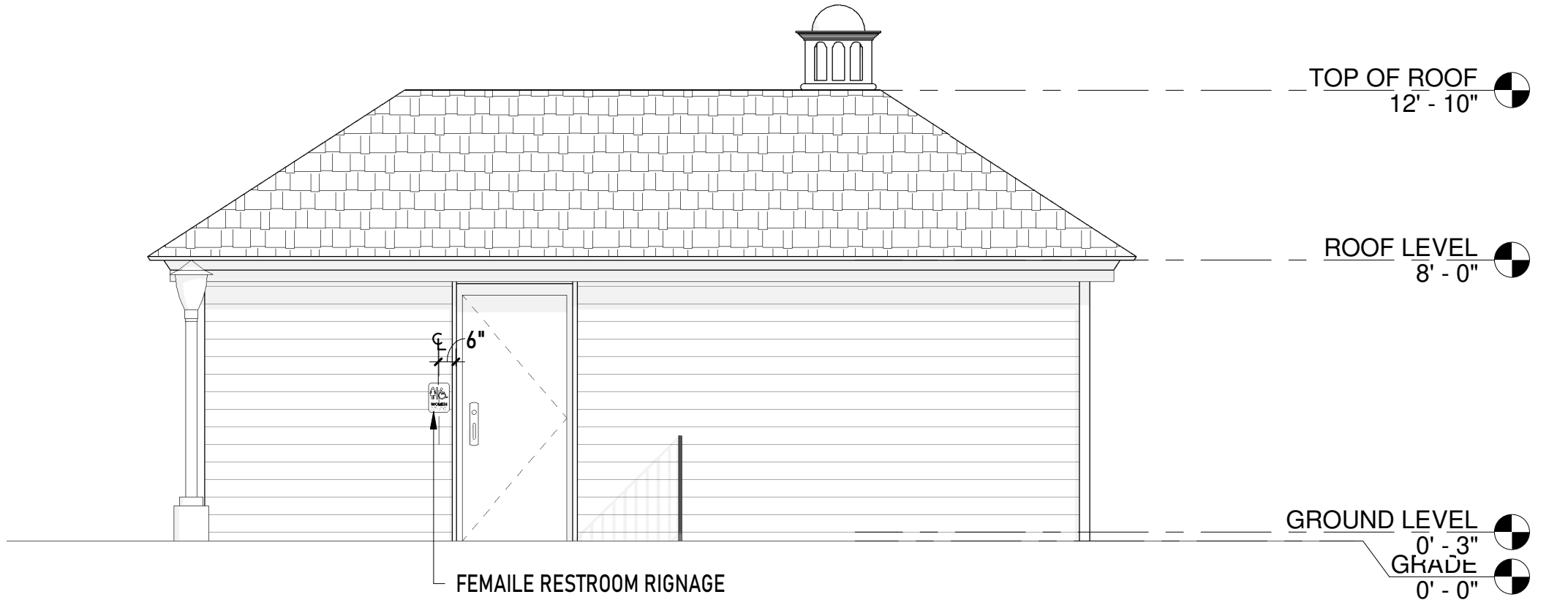
FINISH SCHEDULE													
NAME	FLOOR	BASE		NORTH WALL		WEST WALL		SOUTH WALL		EAST WALL		CEILING	
		MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH
MALE RESTROOM	AREA 1	VINYL COVE	P-1	EXISTING WOOD PANEL	P-1	EXISTING WOOD PANEL &BLOCK	P-1	EXISTING WOOD PANEL	P-1	NEW WOOD PANEL	P-1	WOOD PANEL	P-1
	EXISTING TILE												
	AREA 2												
	EPOXY												
FEMALE RESTROOM	AREA 1	VINYL COVE	P-1	EXISTING WOOD PANEL	P-1	EXISTING WOOD PANEL &BLOCK	P-1	EXISTING WOOD PANEL	P-1	NEW WOOD PANEL	P-1	WOOD PANEL	P-1
	EXISTING TILE												
	AREA 2												
	EPOXY												



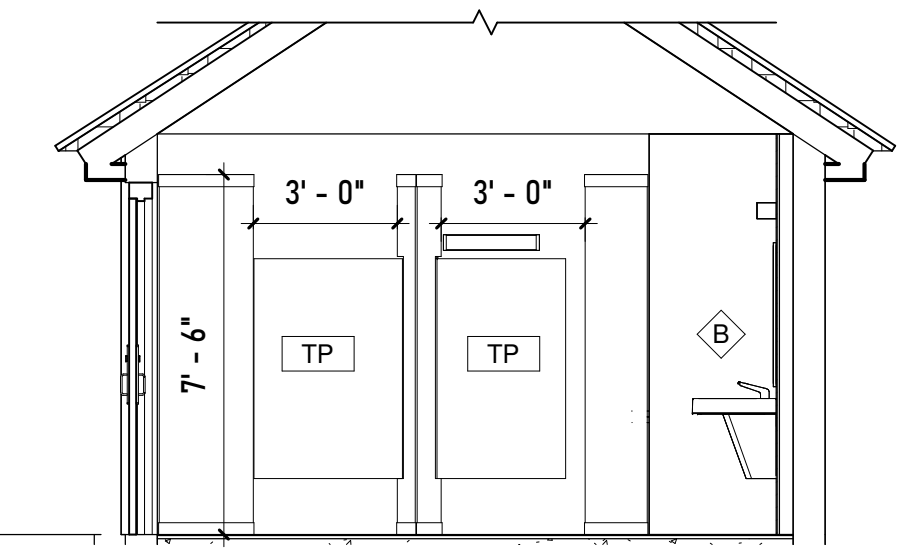
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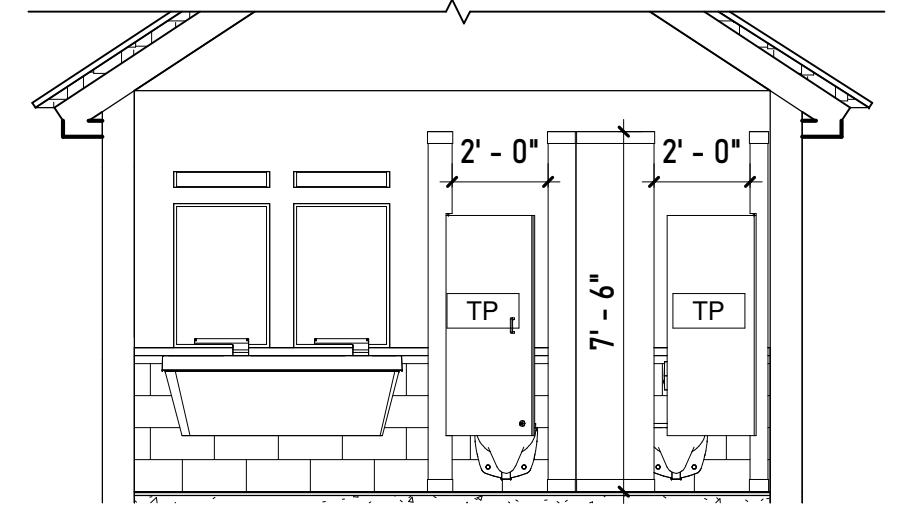
1 PROPOSED- MEN'S RESTROOM ELEVATION
1/4" = 1'-0"



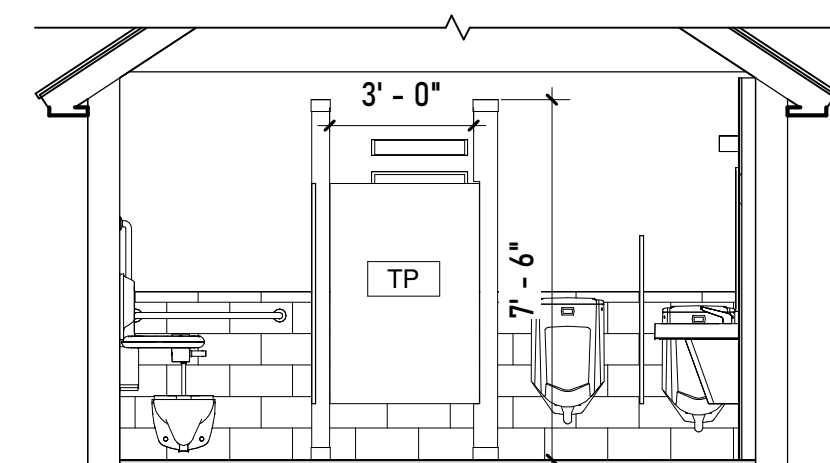
2 WOMEN'S RESTROOM ELEVATION
1/4" = 1'-0"



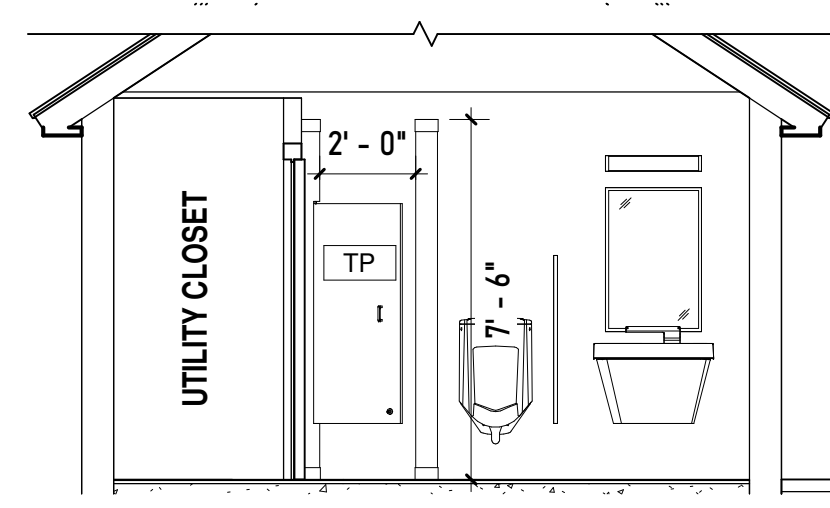
A FEMALE RESTROOM ELEVATION- 1
1/4" = 1'-0"



B FEMALE RESTROOM ELEVATION- 2
1/4" = 1'-0"



C MALE RESTROOM ELEVATION- 1
1/4" = 1'-0"



D MALE RESTROOM ELEVATION- 2
1/4" = 1'-0"

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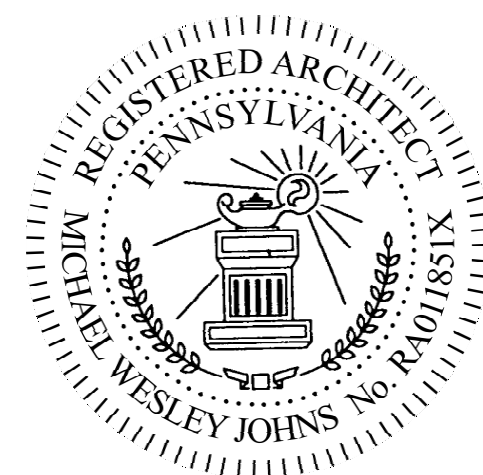
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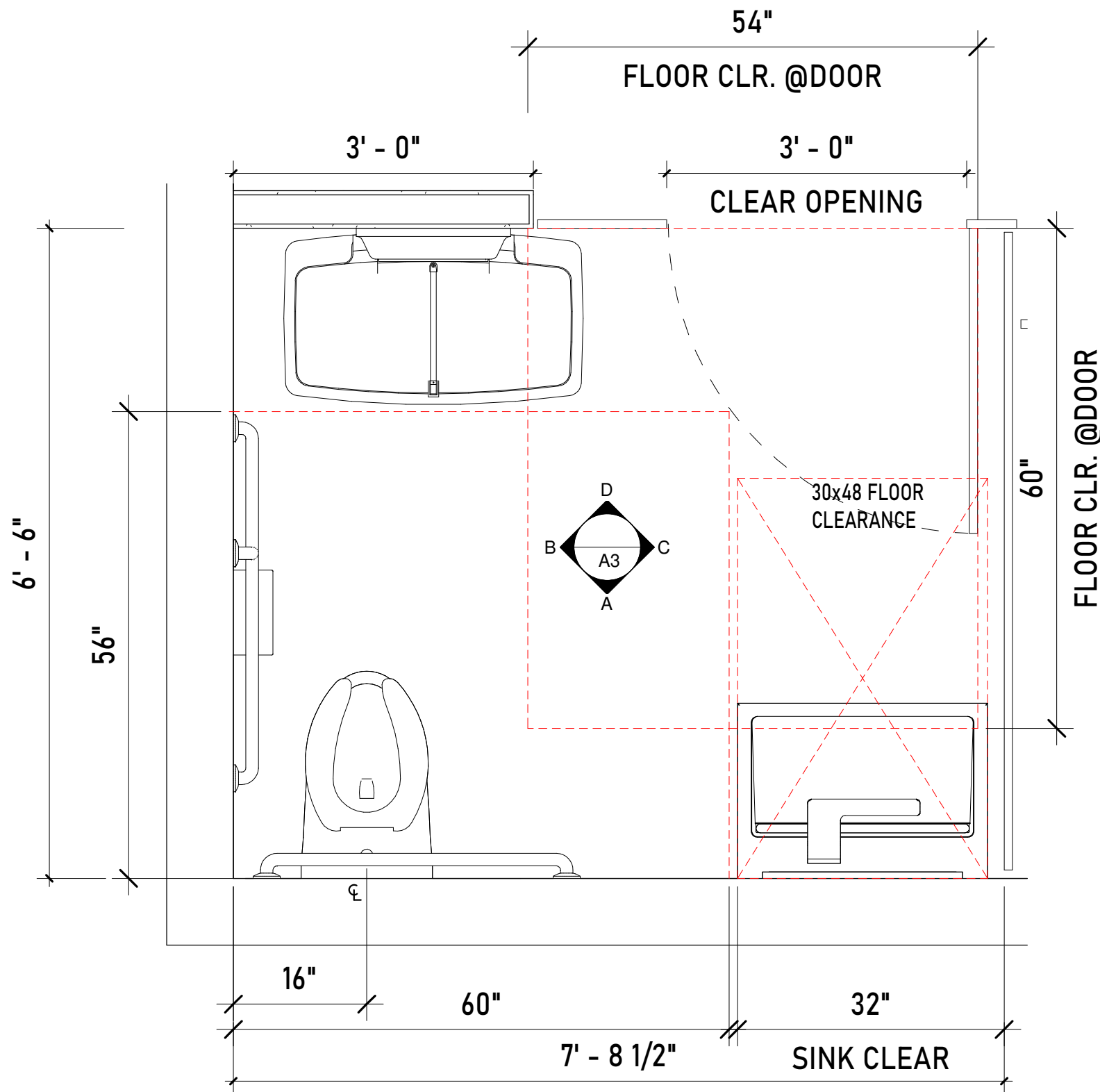
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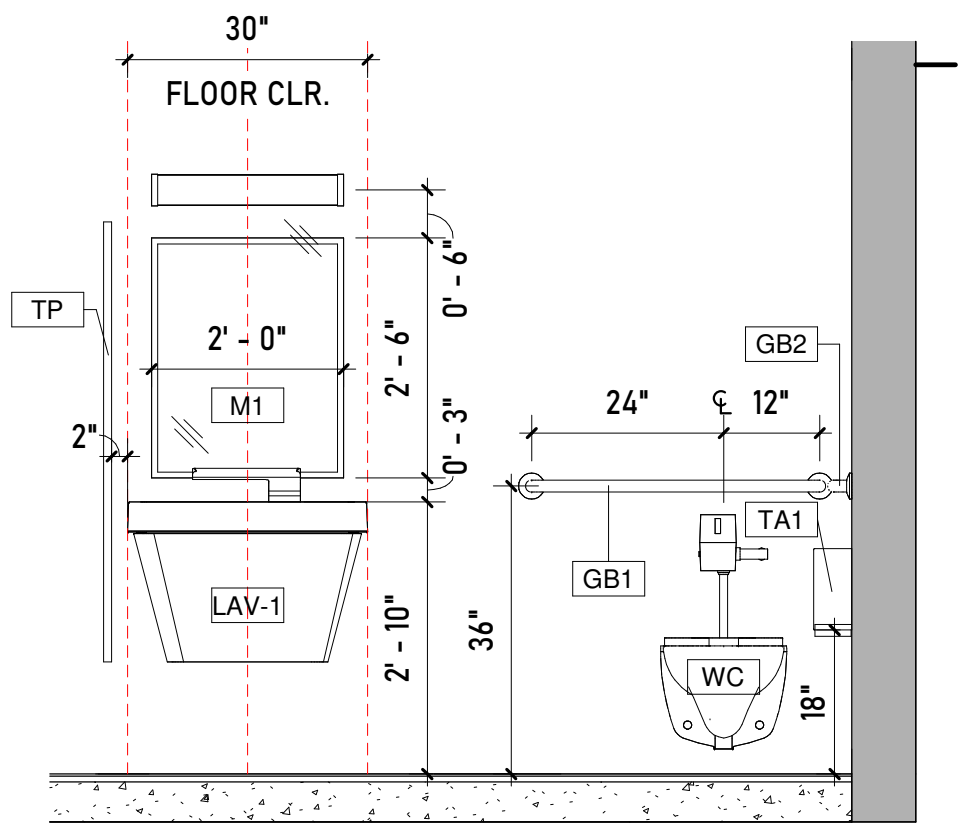
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A2

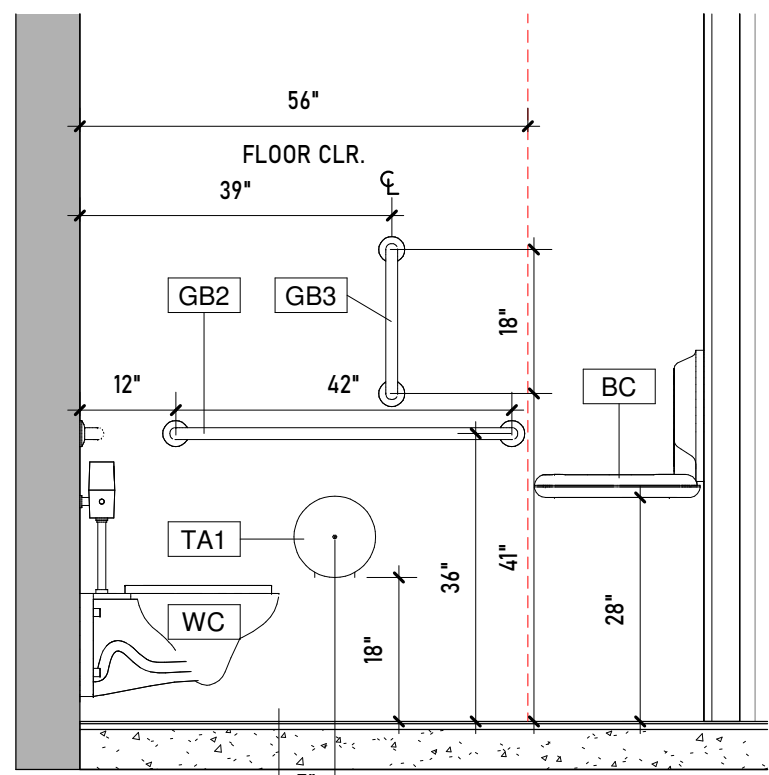
FEMALE- ADA RESTROOM



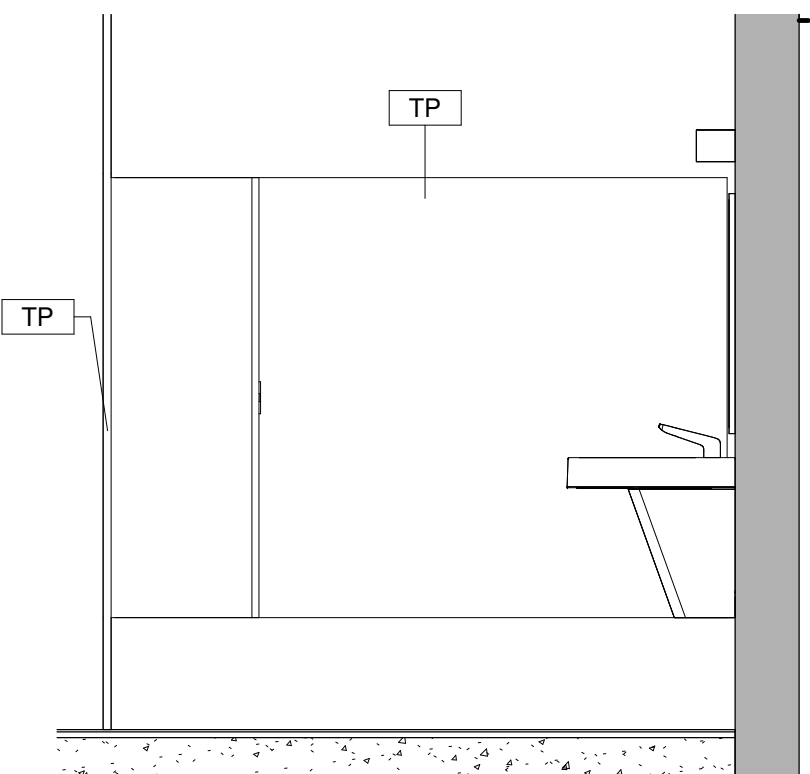
1 HANDICAP TOILET- FEMALE
3/4" = 1'-0"



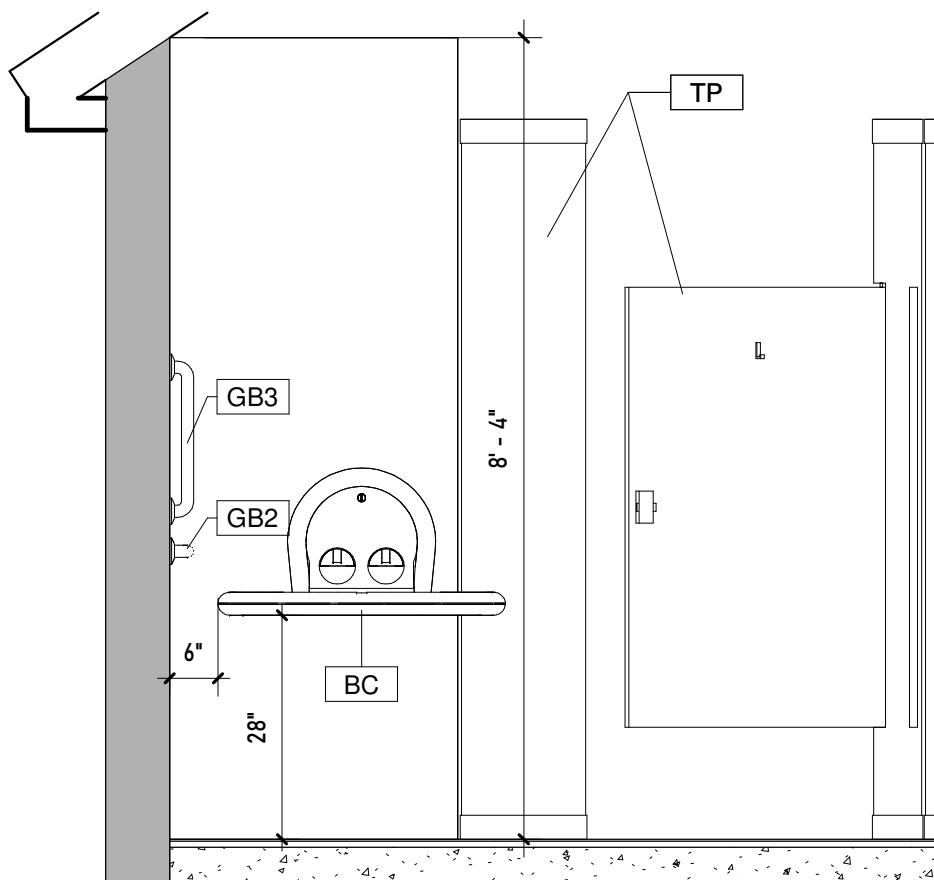
A WOMEN'S TOILET- ELEV A
1/2" = 1'-0"



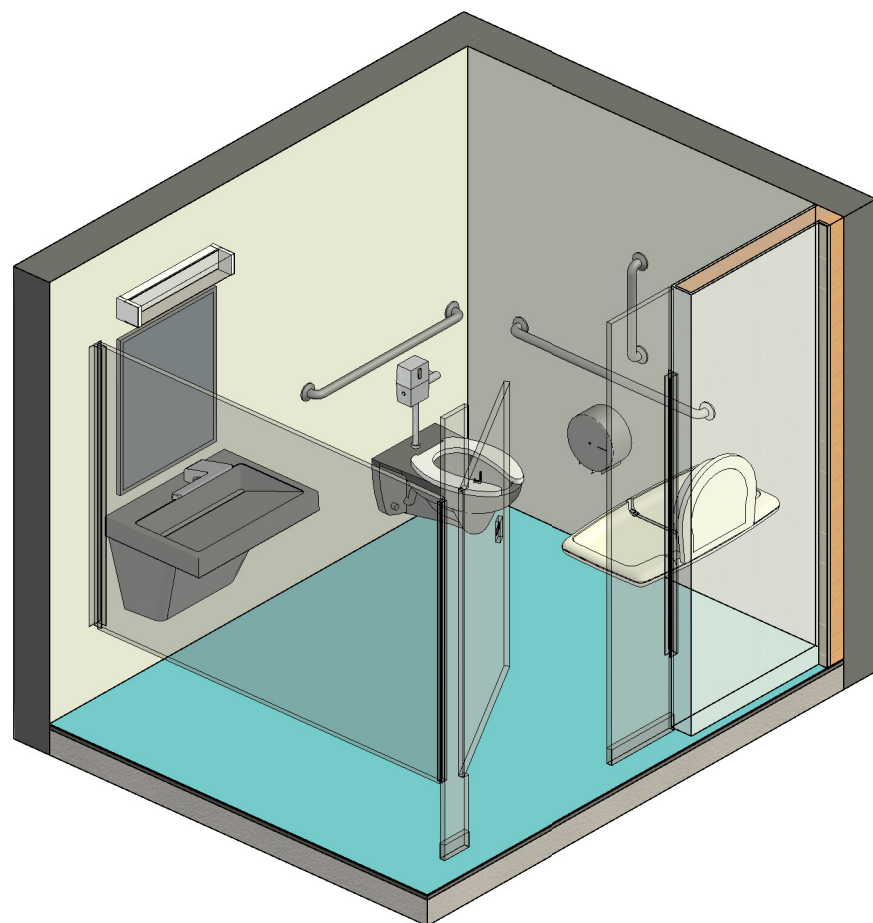
B WOMEN'S TOILET- ELEV B
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C WOMEN'S TOILET- ELEV C
1/2" = 1'-0"

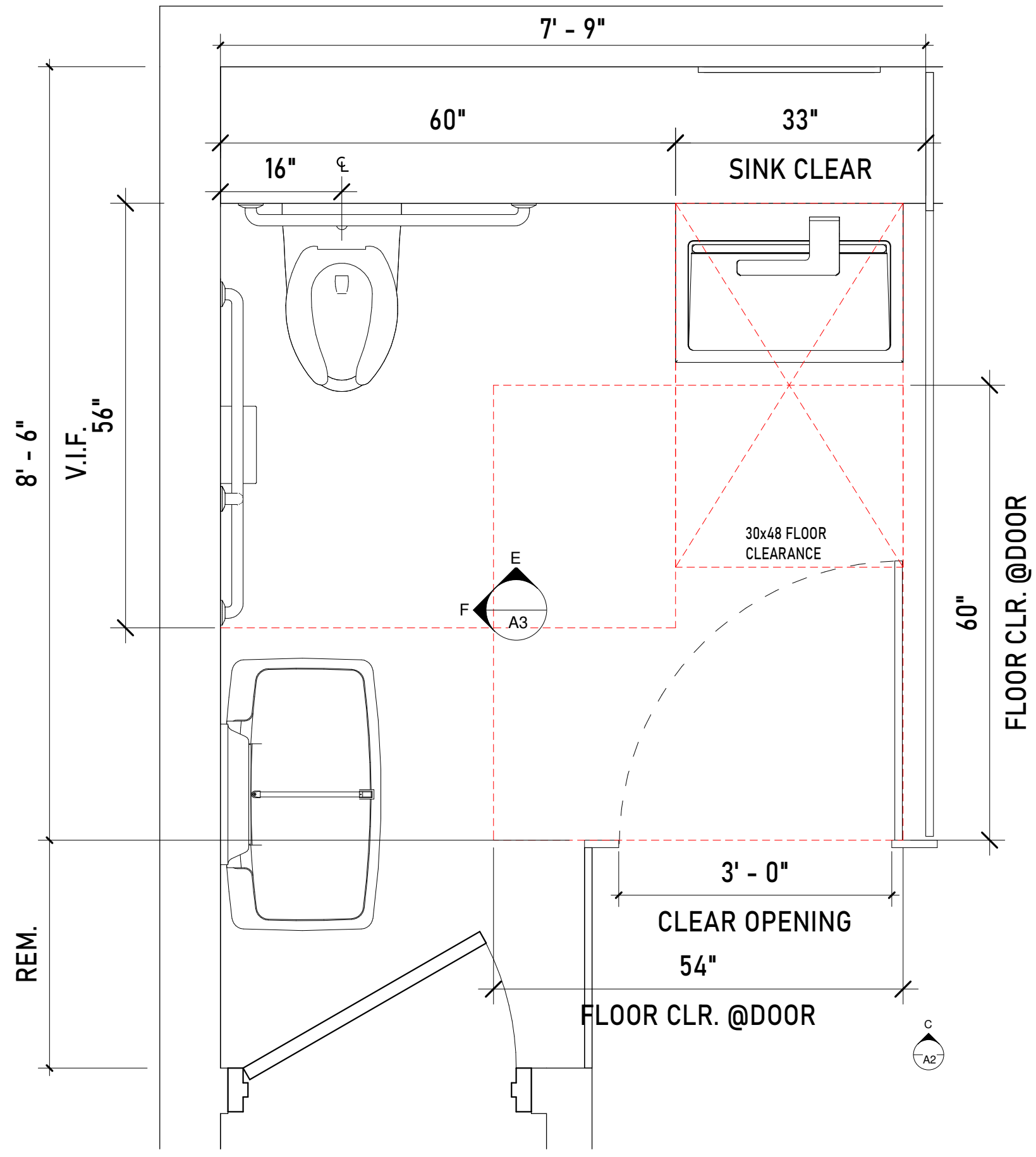


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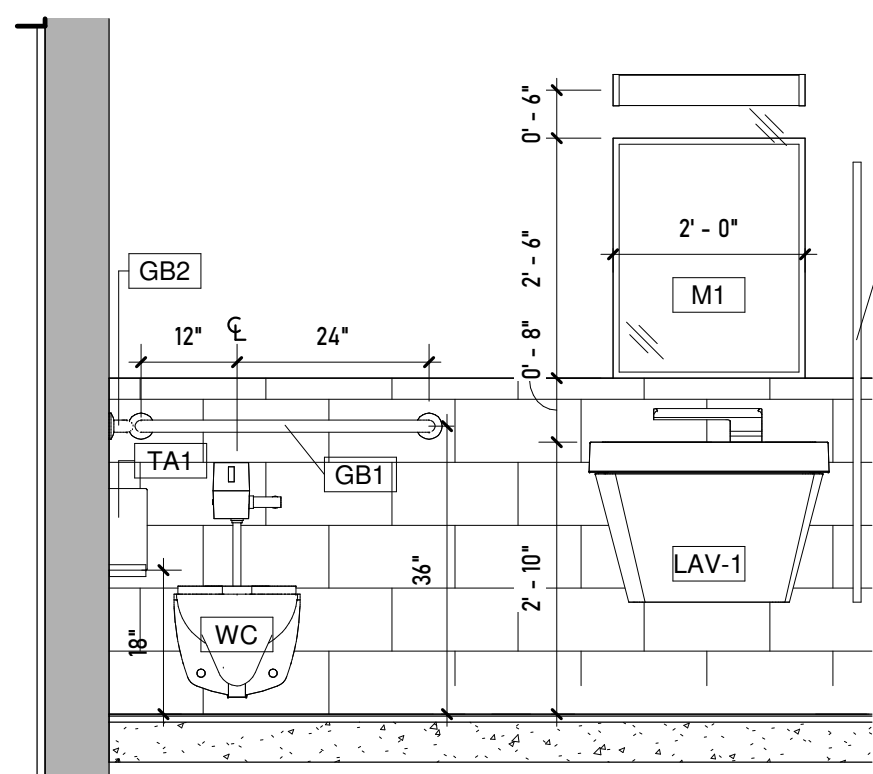


i FEMALE ADA

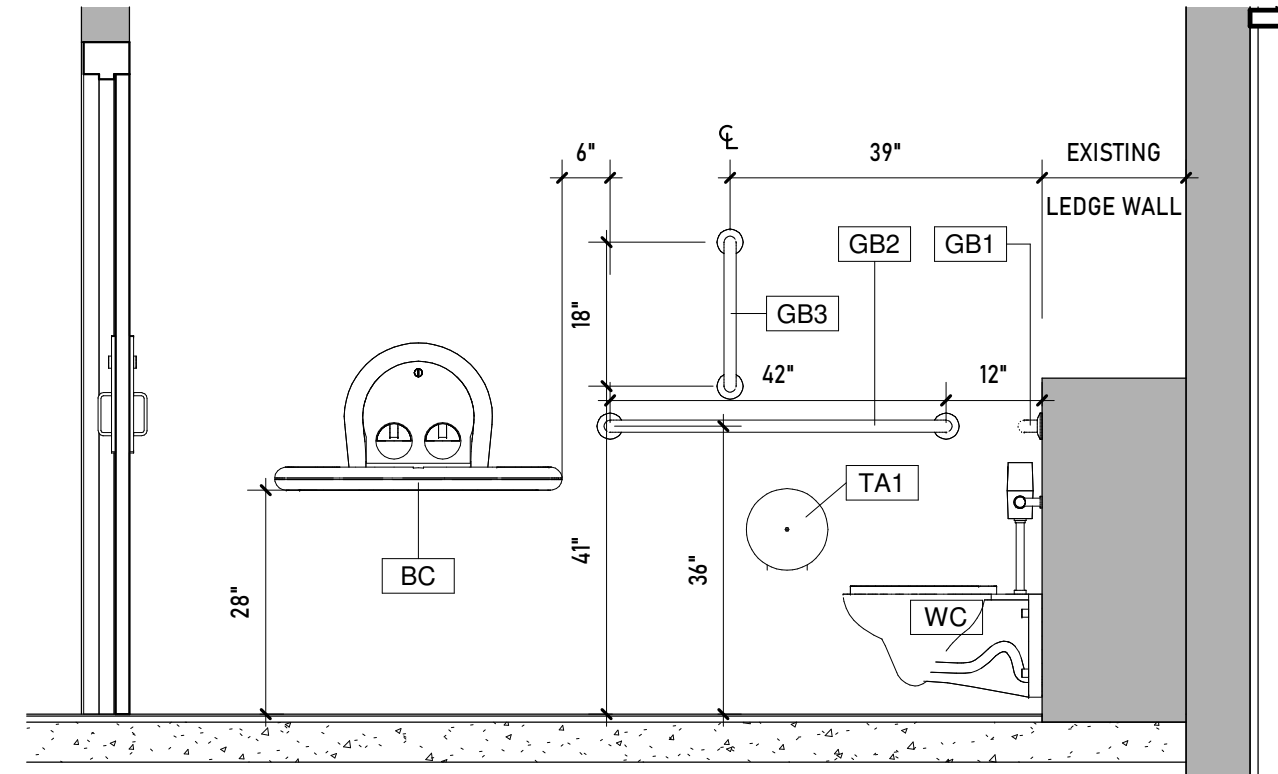
MALE- ADA RESTROOM



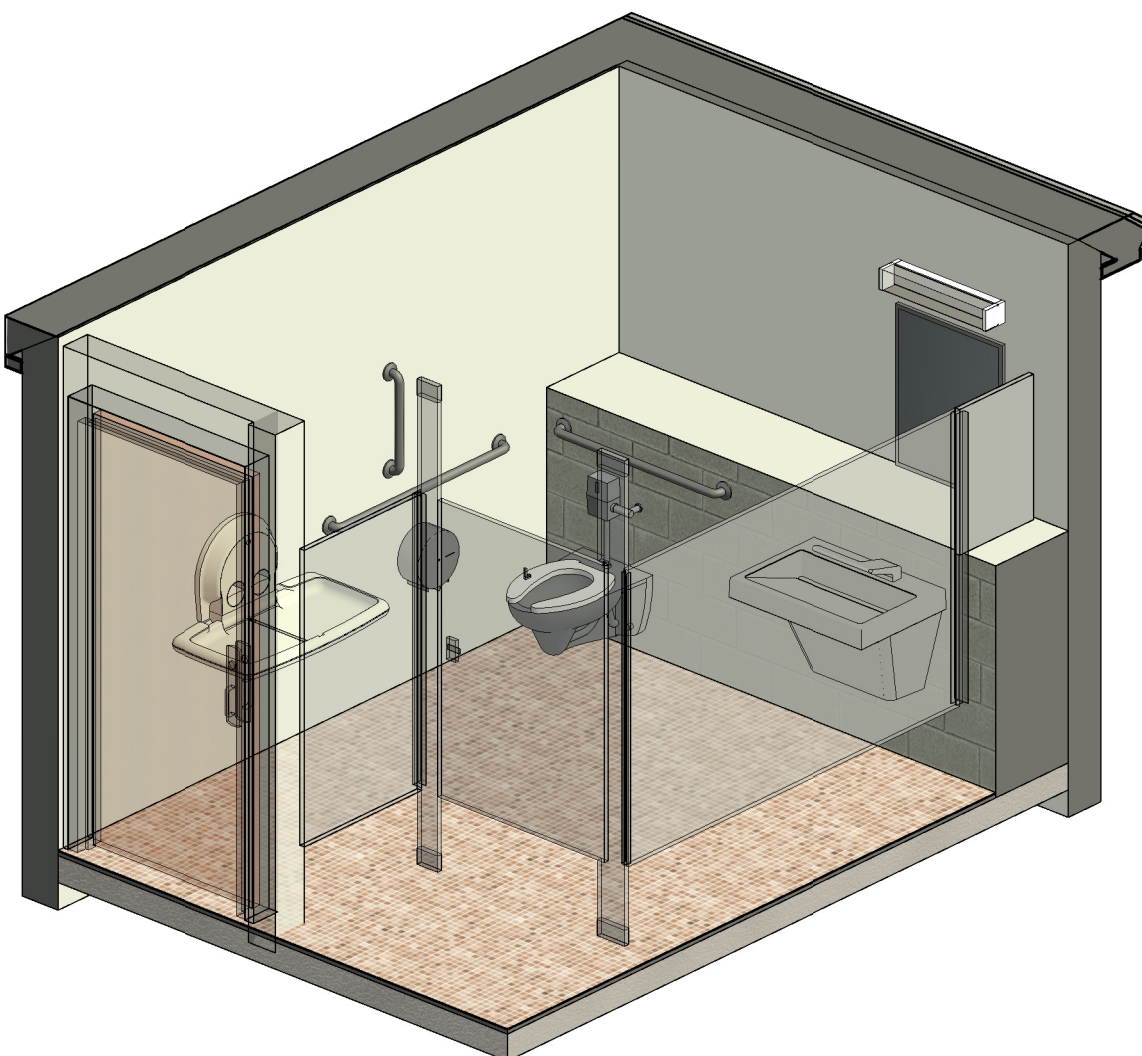
2 HANDICAP TOILET- MALE
3/4" = 1'-0"



E MEN'S TOILET- ELEV E
1/2" = 1'-0"



F MEN'S TOILET- ELEV F
1/2" = 1'-0"



ii MALE ADA

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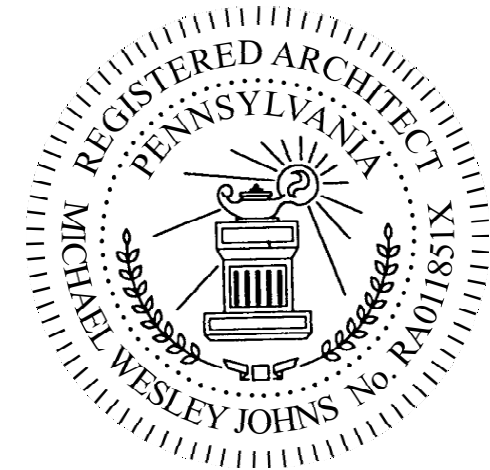
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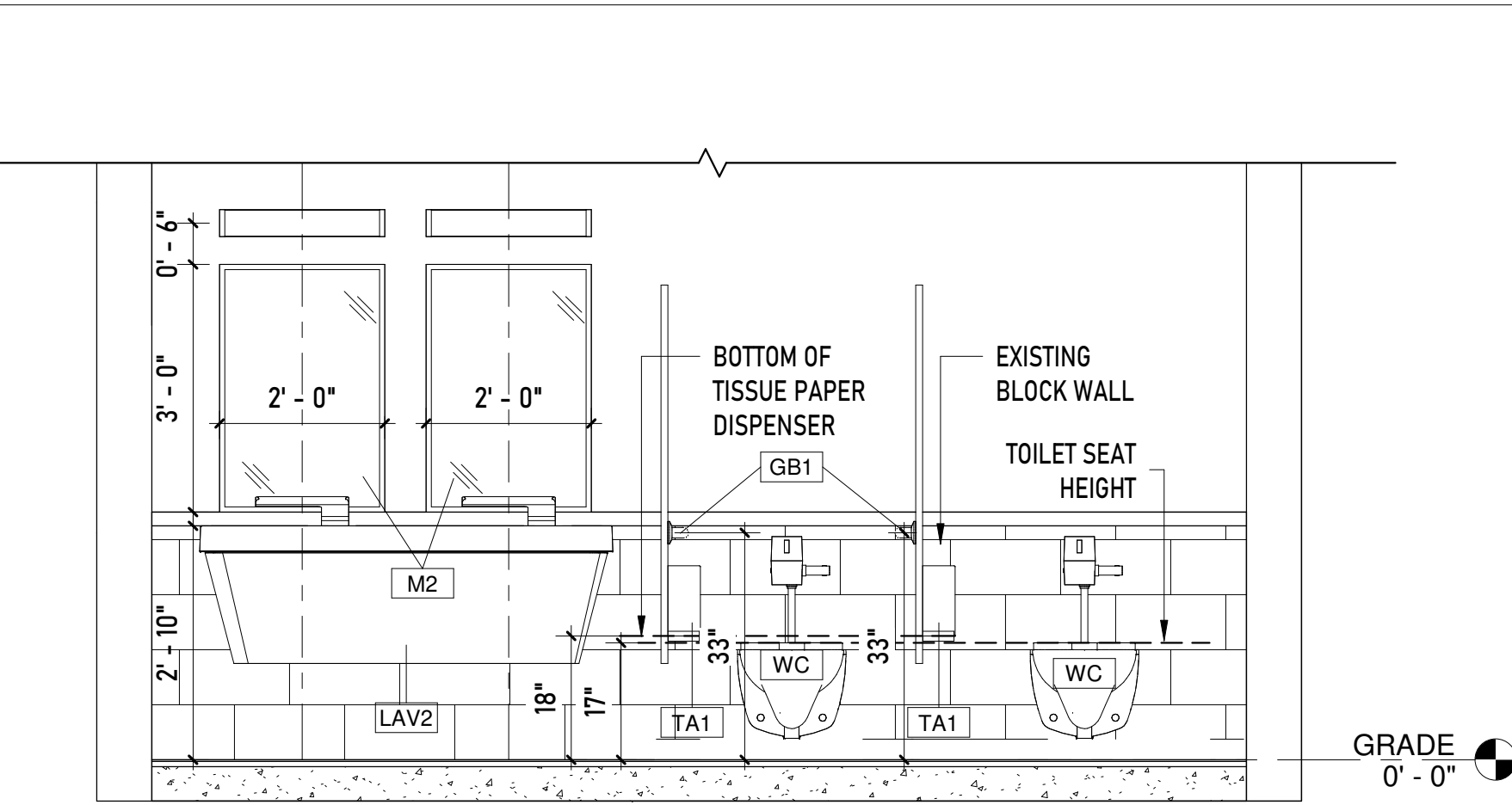
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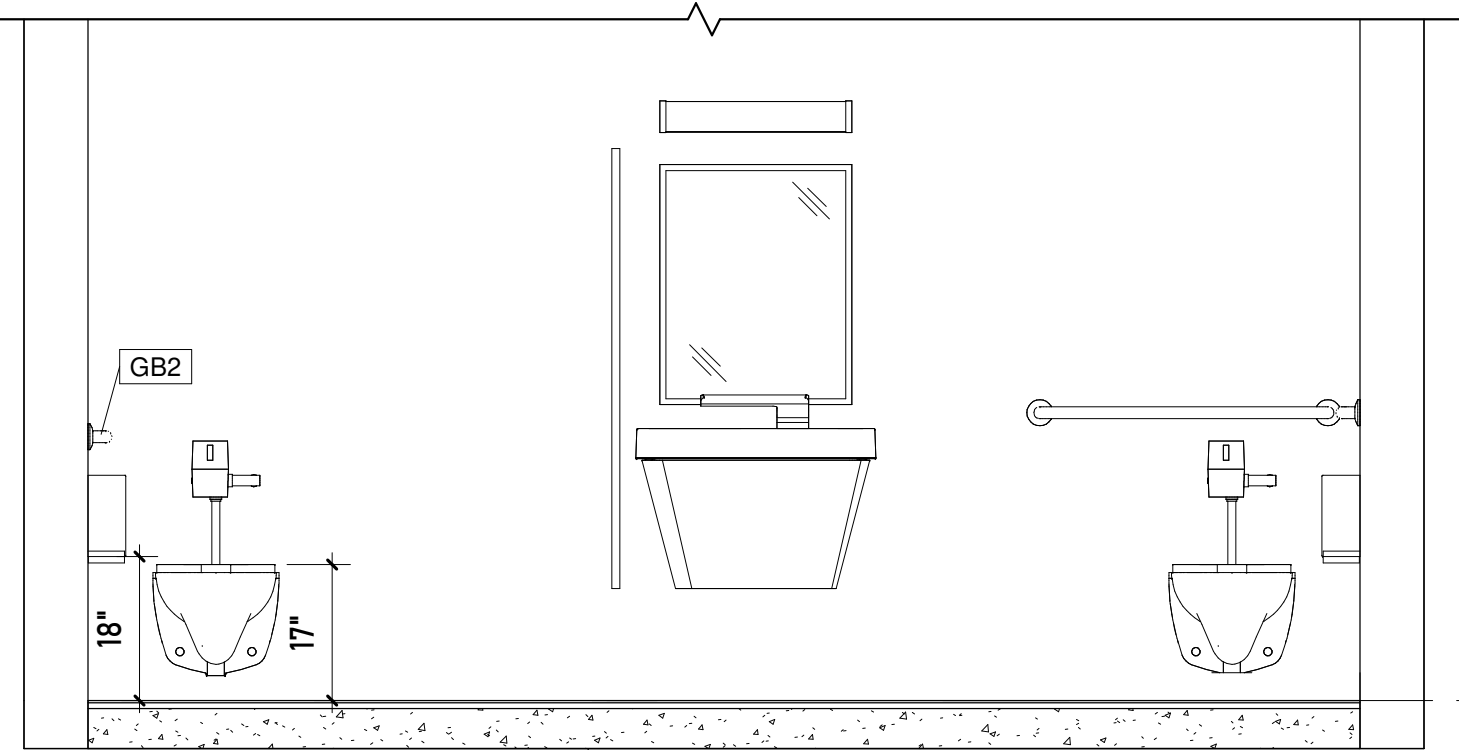
HC TOILETS-
PLANS, ELEVs
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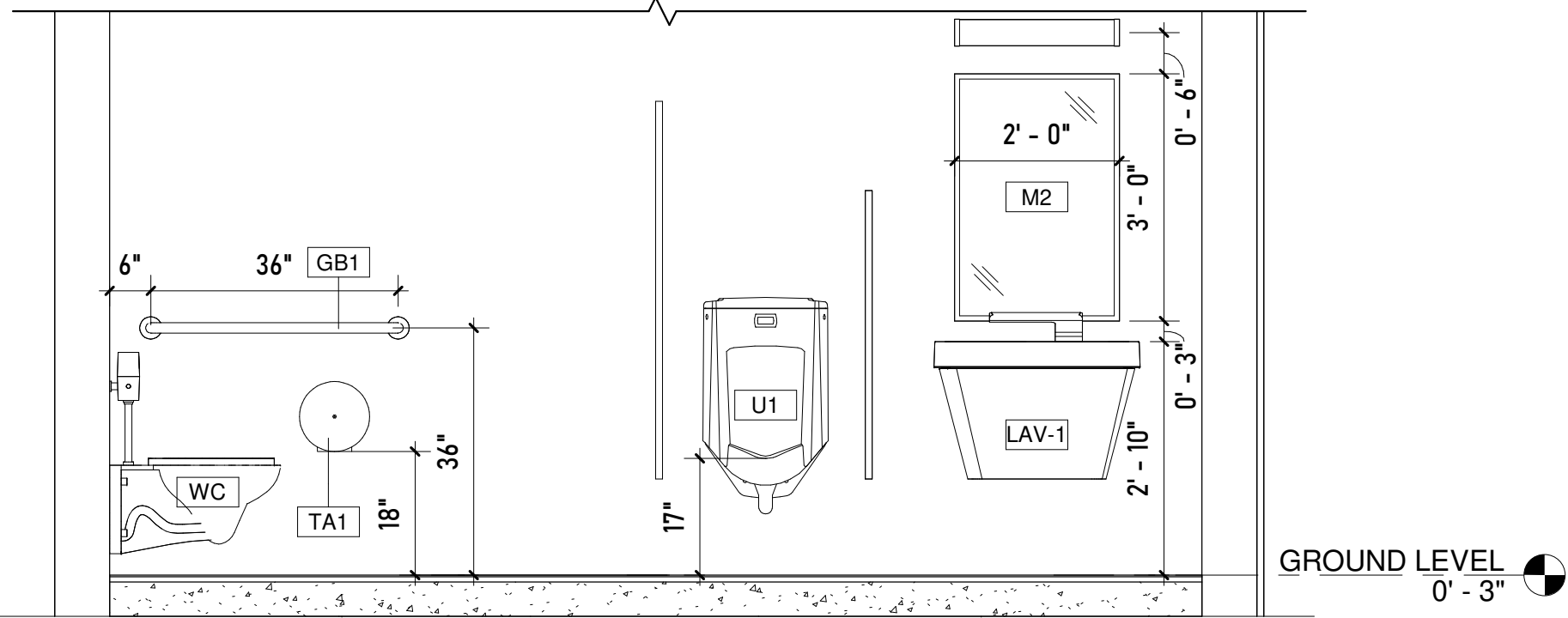
A3



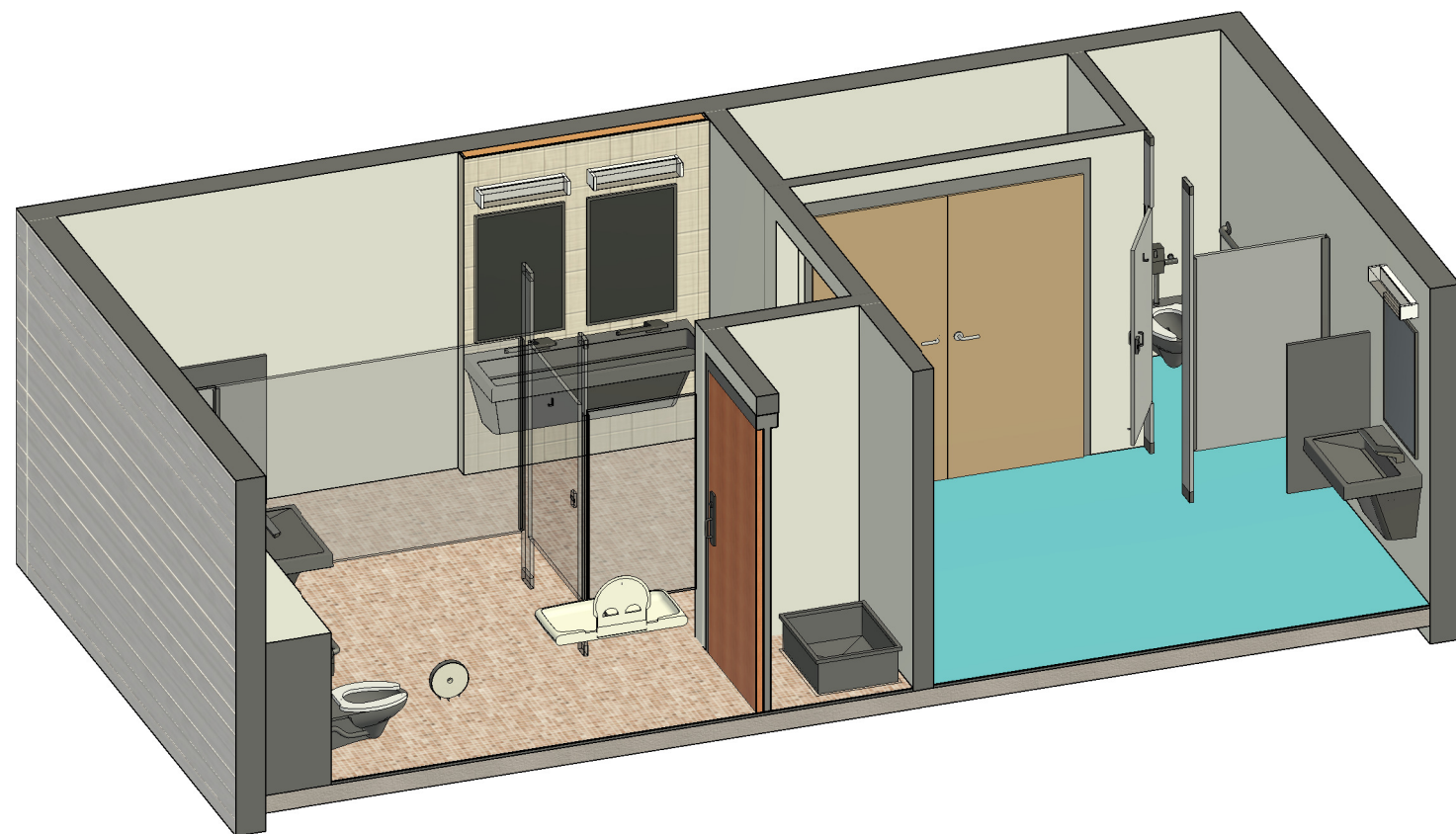
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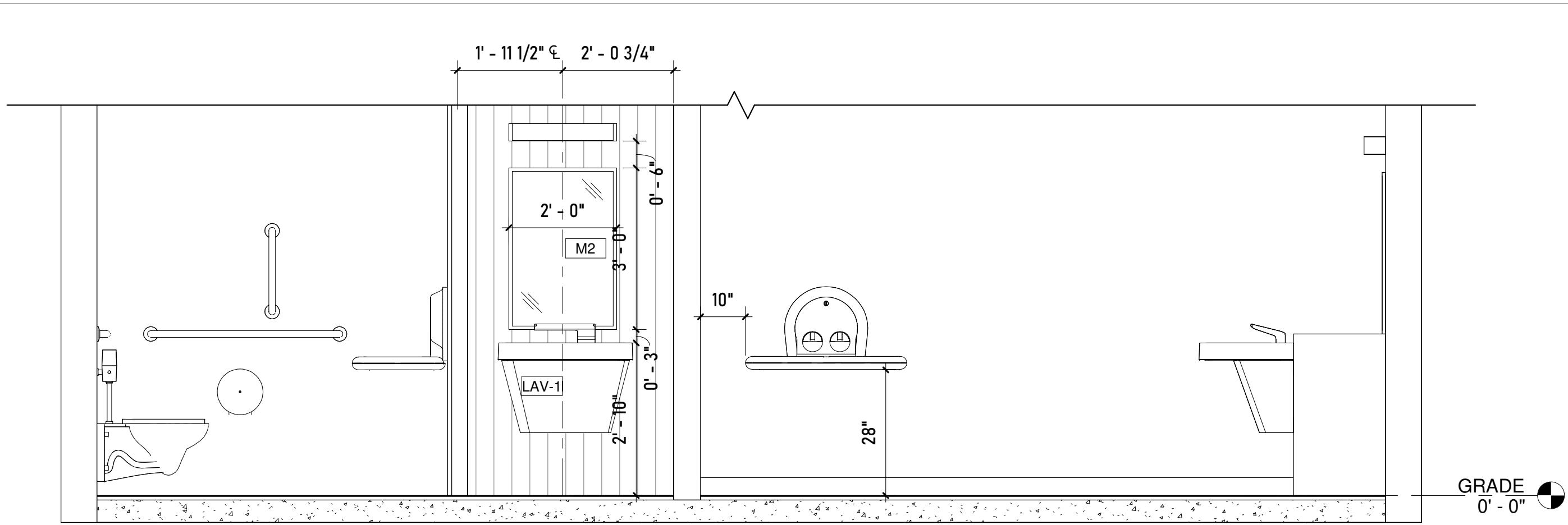
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1/2" = 1'-0"



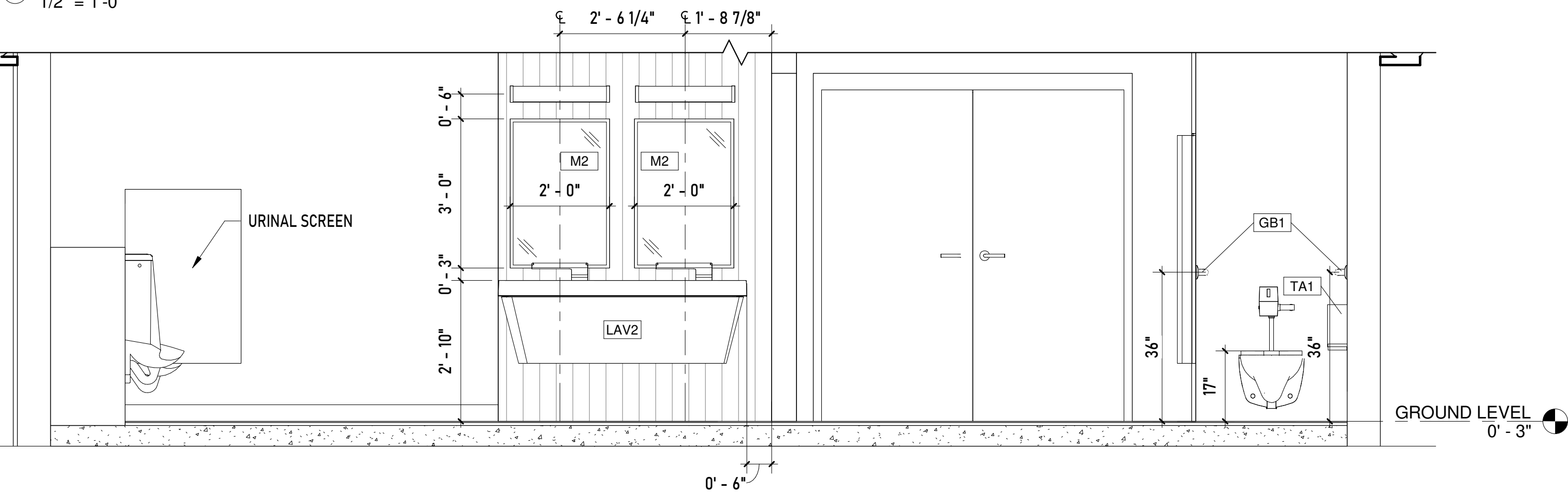
5 MALE RESTROOM- INTERIOR ELEVATION 2
1/2" = 1'-0"



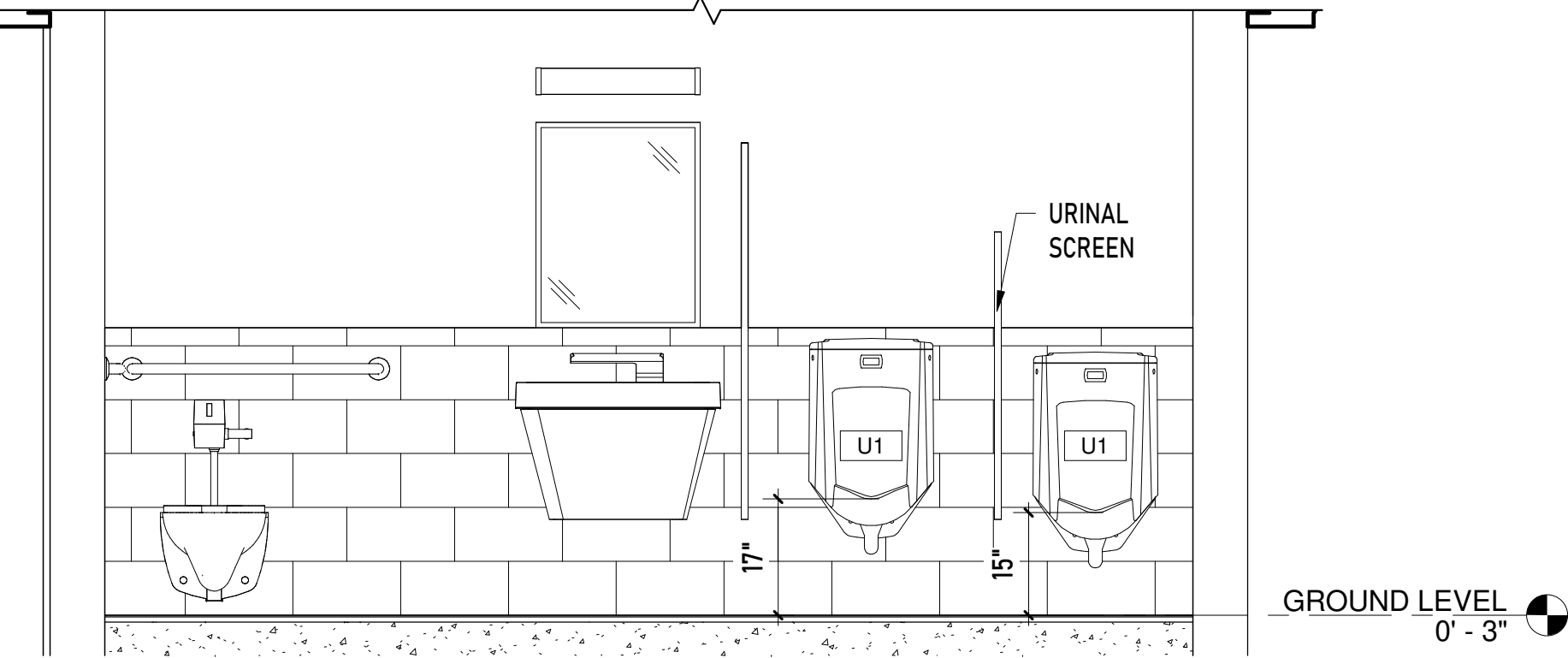
7 ISOMETRIC VIEW- MALE RESTROOM



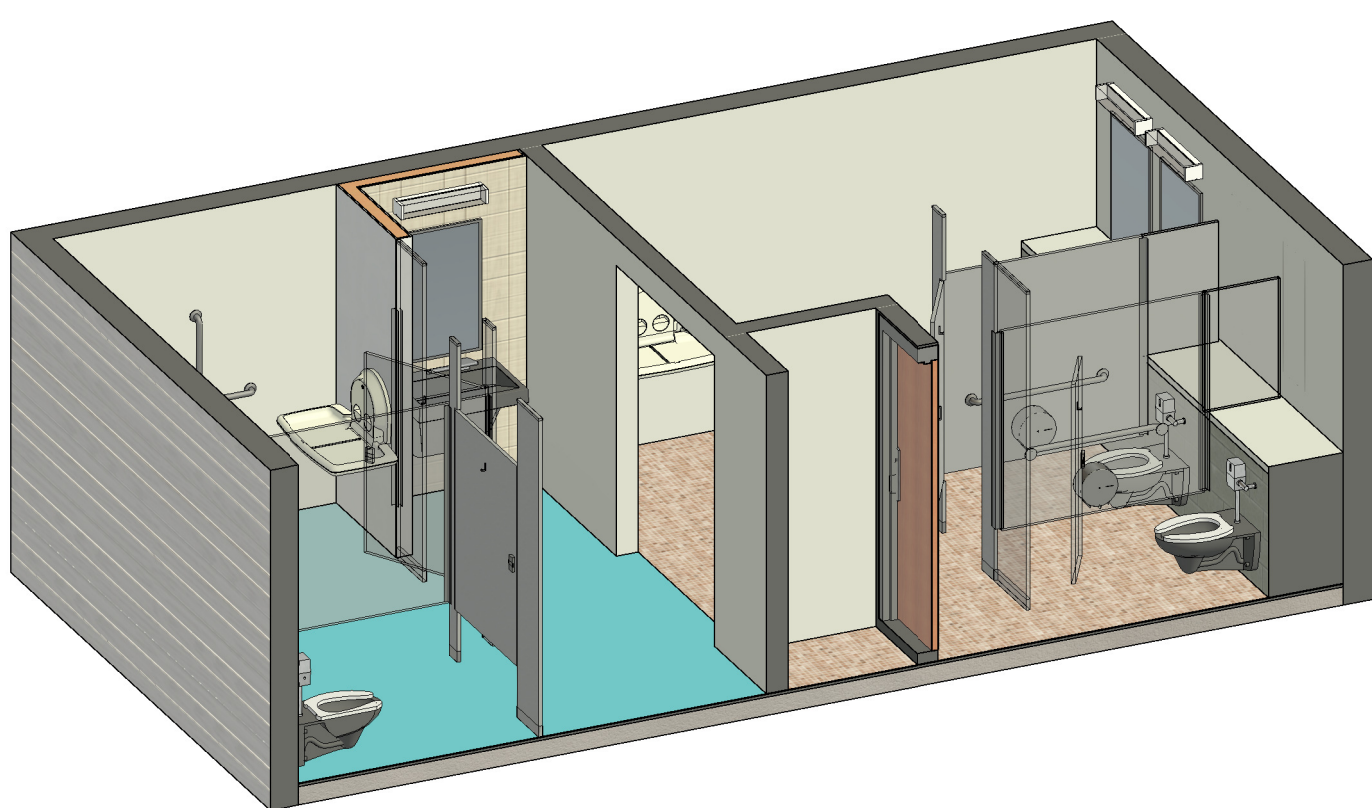
2 FEMALE RESTROOM- INTERIOR ELEVATION 2
1/2" = 1'-0"



4 MALE RESTROOM- INTERIOR ELEVATION 1
1/2" = 1'-0"



6 MALE RESTROOM- INTERIOR ELEVATION 3
1/2" = 1'-0"



8 ISOMETRIC VIEW- FEMALE RESTROOM

ACCESSORIES & FIXTURE SCHEDULE						
ITEM NO.	IMAGE	DESCRIPTION	MANUFACTURER	MODEL NO.	TAG	QUANTITY
01		1 1/2" Diameter Stainless Steel Grab Bars with Concealed Flange. ADA compliant.	BOBRICK	9806x36	GB1	6 NOs
					GB2	2 NOs
					GB3	2 NOs
02		Single Jumbo Roll Toilet Paper Dispenser	BRADLEY	5424	TA1	6 NOs
03		KB300-SS Baby Changing Station	BOBRICK	KB300-SS	BC	3 NOs
04		Verge with WashBar WB2 2-Station	BRADLEY	LVQD2	LAV-2	2 NOs
05		Verge with WashBar WB2 1-Station	BRADLEY	LVQD1	LAV-1	4 NOs
06		Welded-Frame Mirror	BOBRICK	B-290 2430	M1	2 NOs
				B-290 2436	M2	6 NOs
07		Washbrook FloWise Universal Urinal	AMERICAN STANDARD	6515.001	U1	3 NOs
08		Afwall Millenium FloWise Elongated Flushometer Toilet	AMERICAN STANDARD	2633.101	WC	6 NOs
09		Floor-to-Ceiling Restroom Partitions	BRADLEY	700	TP	-

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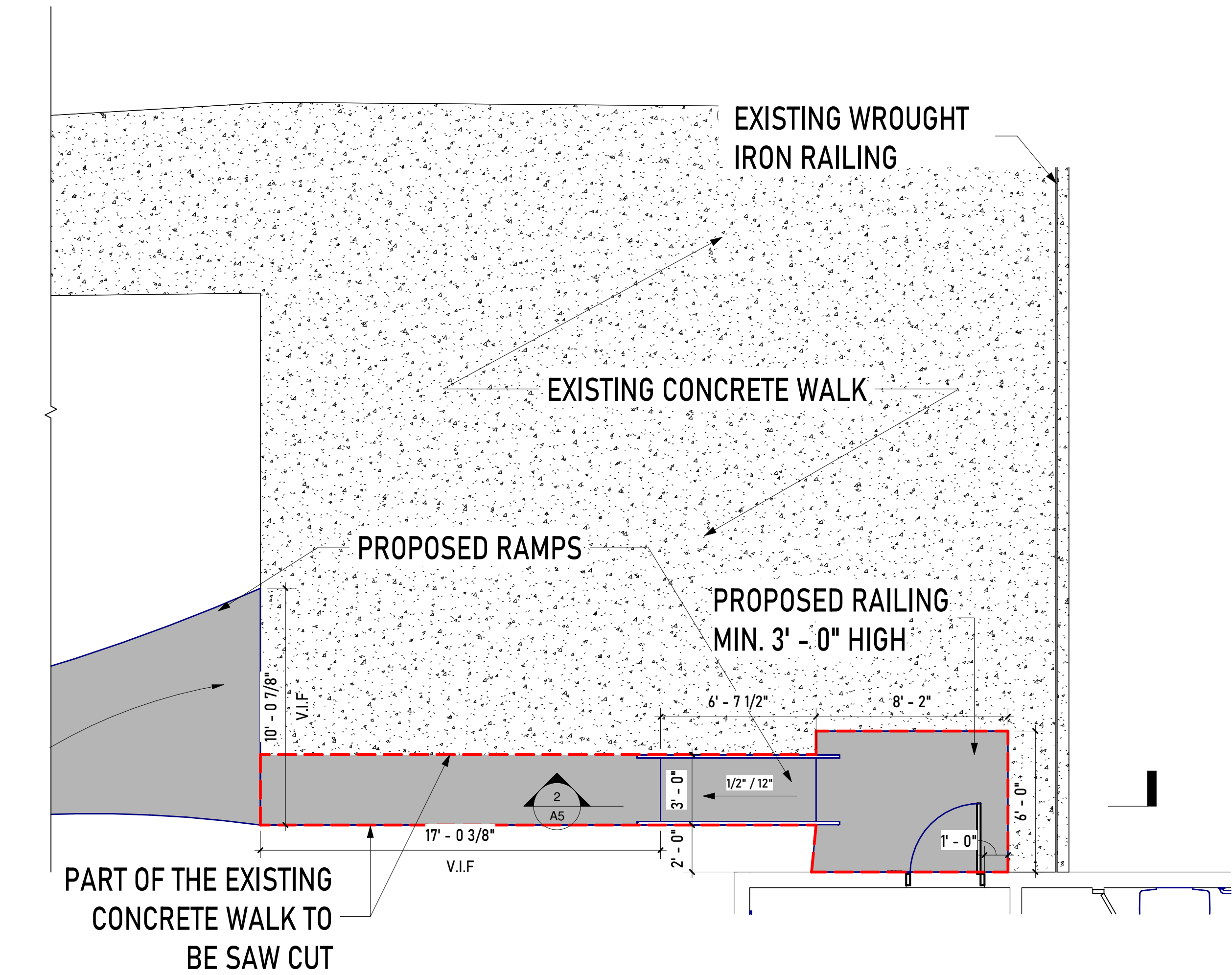
Mark	Revisions	Date
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PROJECT #	Project Number	
DRAWN BY	Author	
CHECKED BY	Checker	
DATE	07-07-2024	

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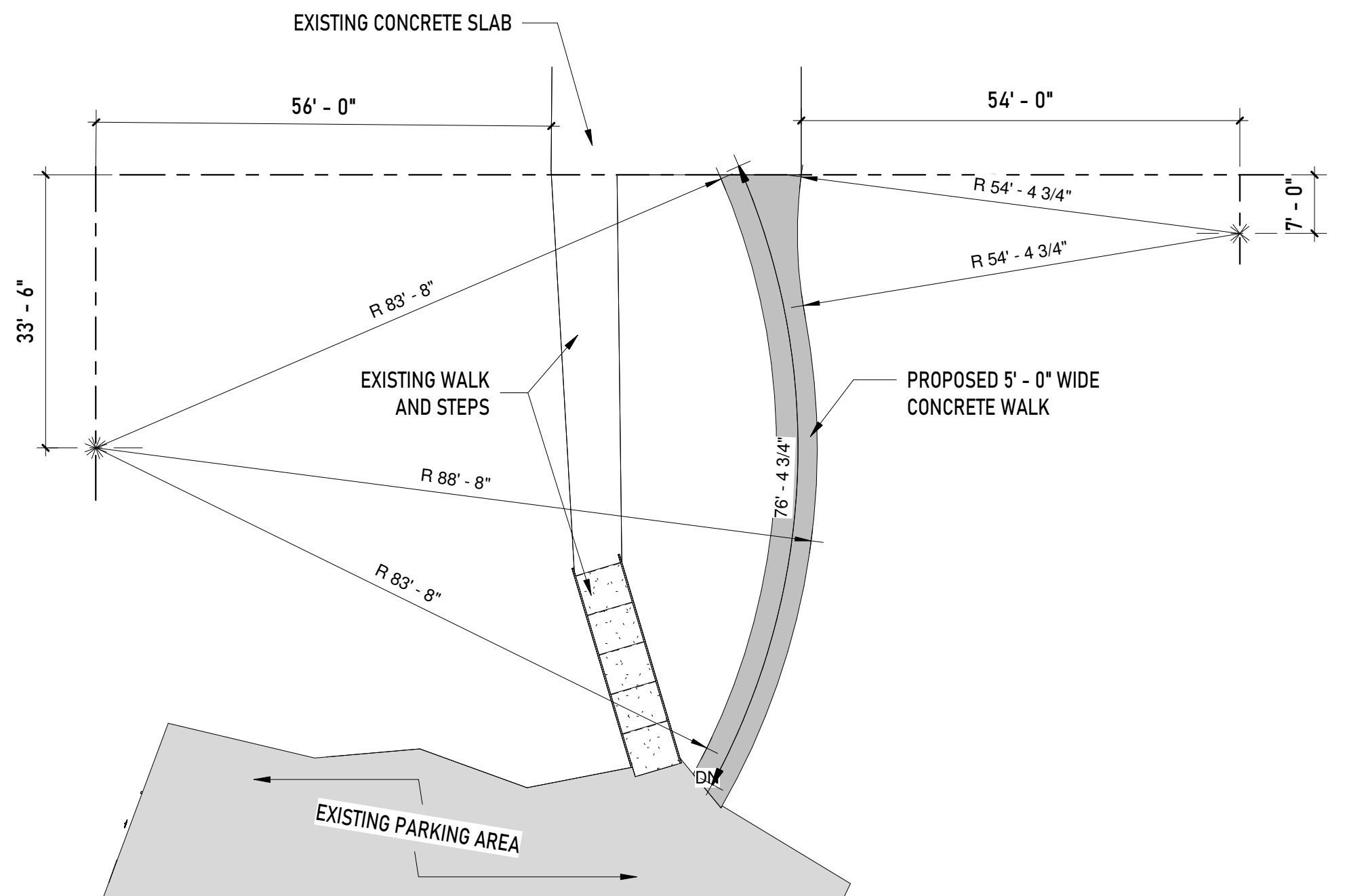
INTERIOR ELEVATIONS

DRAWING TITLE

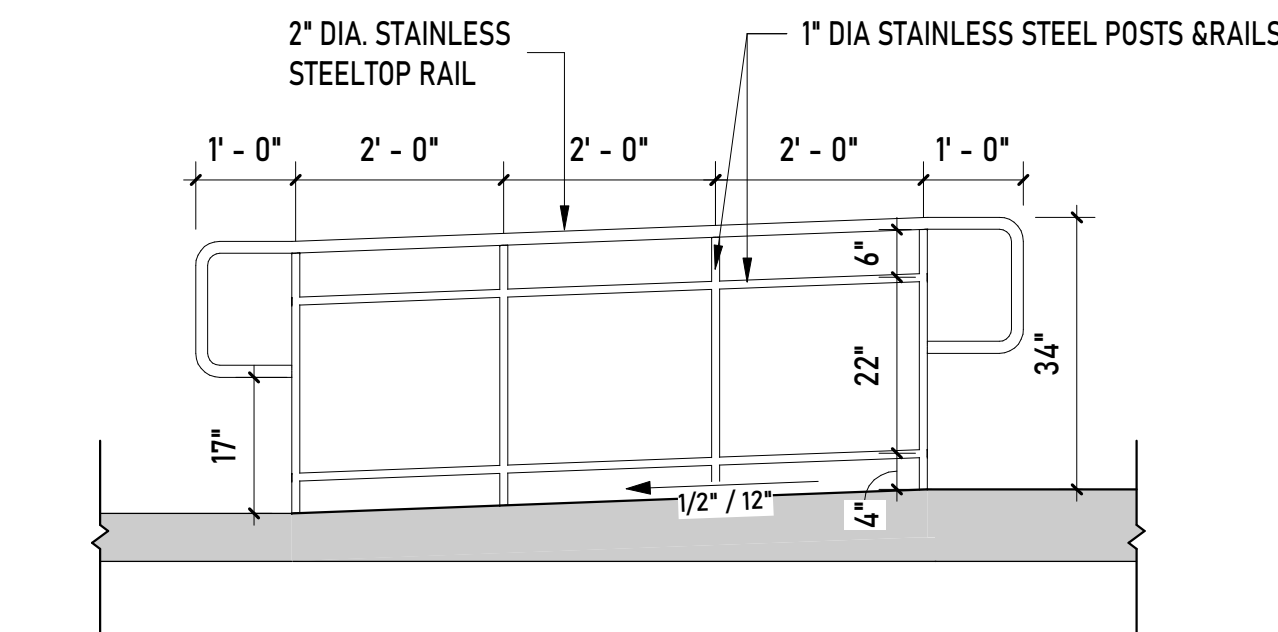
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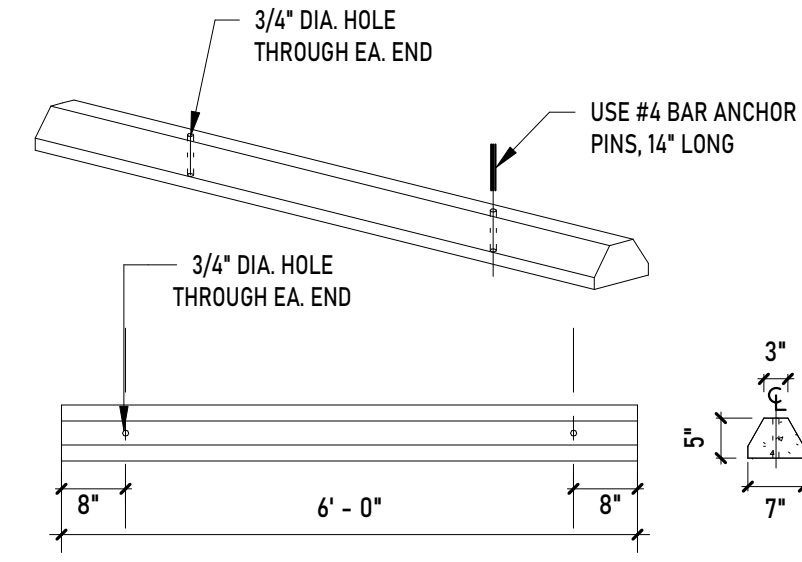
1 PROPOSED RAMP AND LANDING
1/4" = 1'-0"



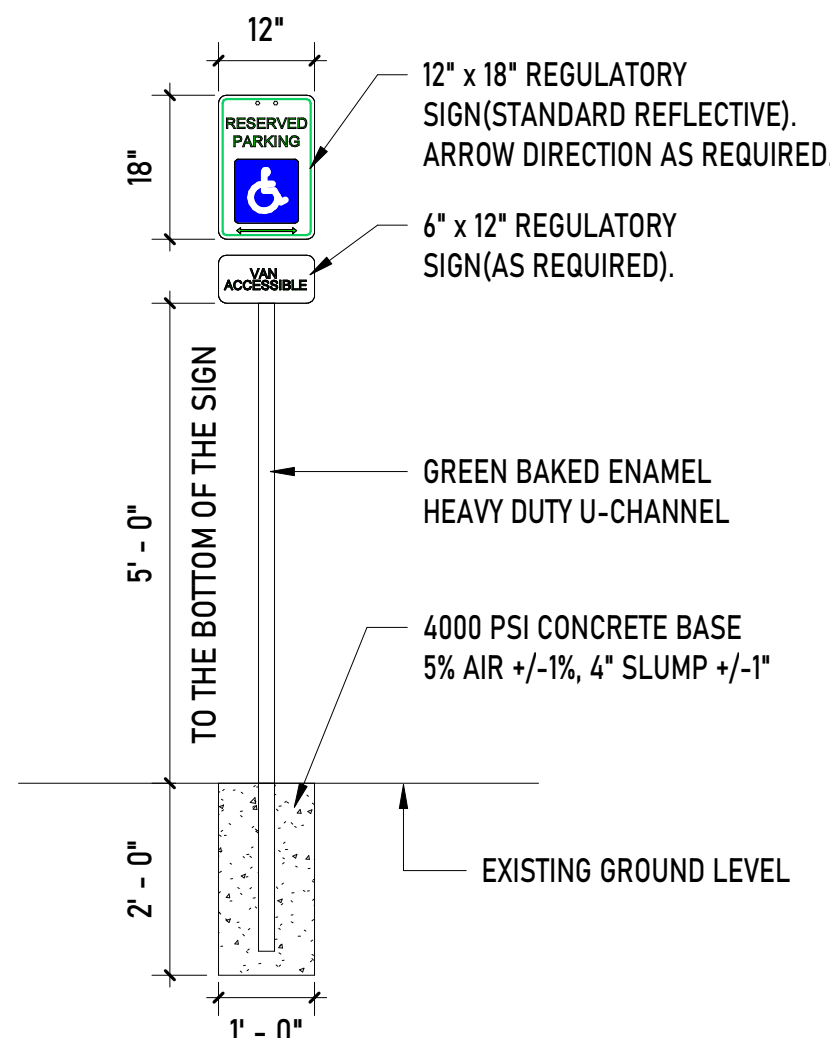
7 CONCRETE WALK DETAIL
1/16" = 1'-0"



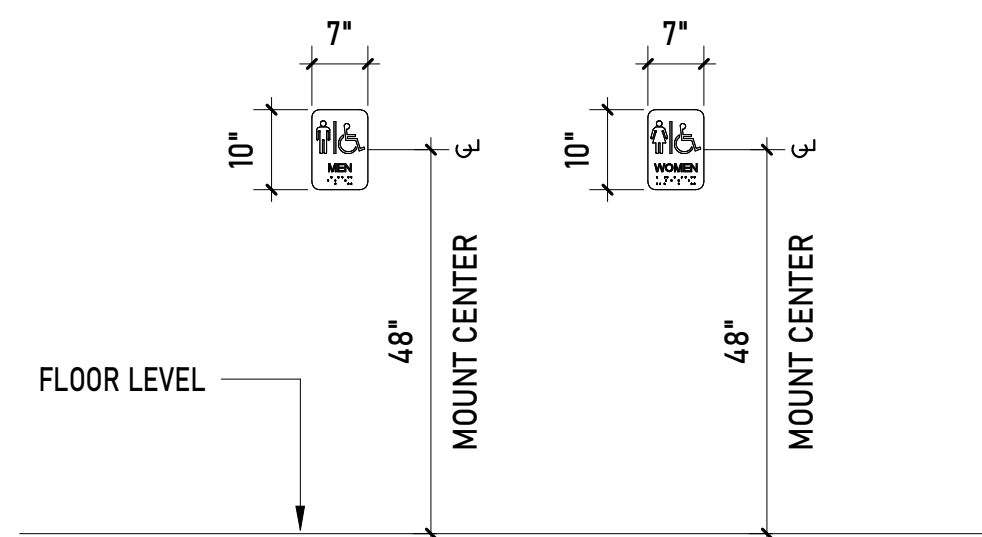
2 RAMP &RAILING DETAIL
1/2" = 1'-0"



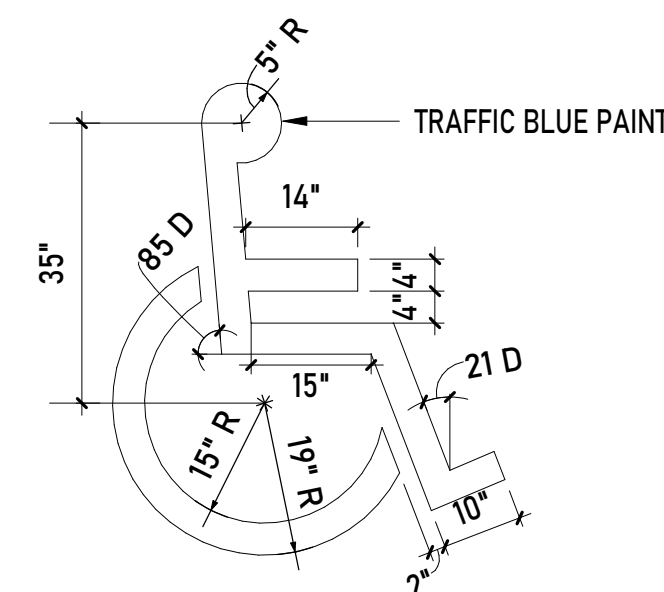
3 PARKING CURB DETAIL
1/2" = 1'-0"



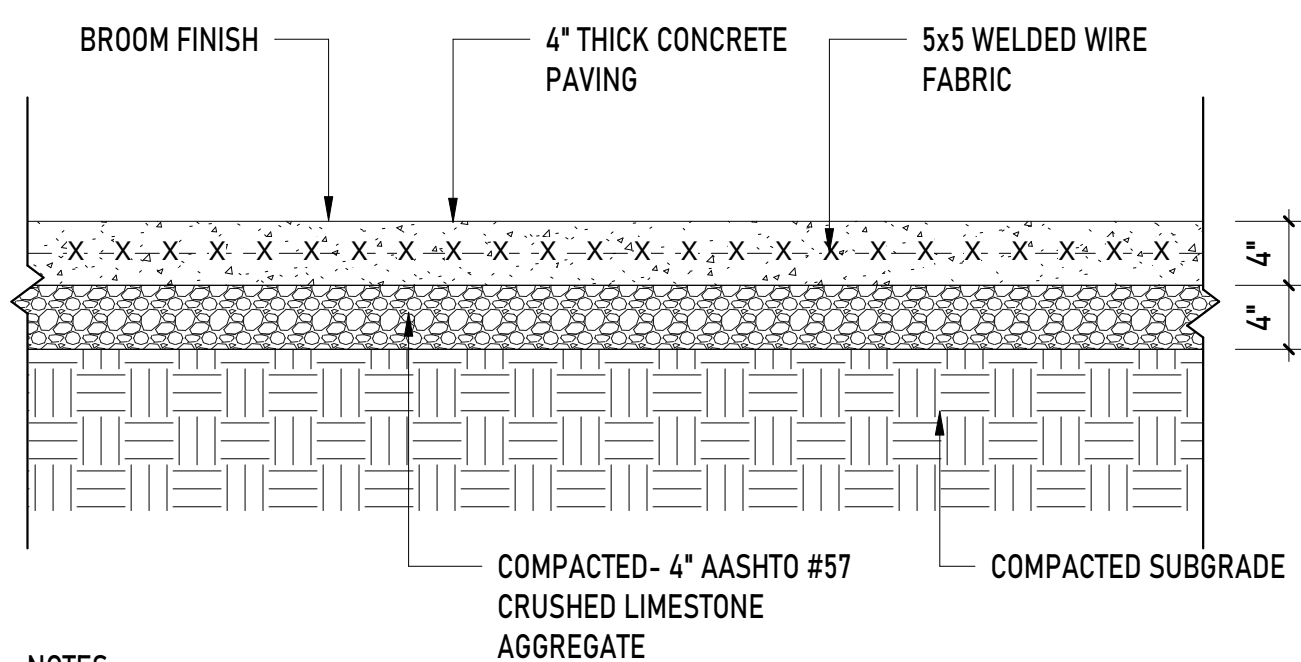
4 PARKING SIGN DETAIL
1/2" = 1'-0"



5 HC RESTROOM SIGN DETAILS
1/2" = 1'-0"



6 PARKING SYMBOL DETAIL
1/2" = 1'-0"



NOTES

1. CONTRACTOR SHALL PLACE CONTROL JOINTS AT INTERVALS EQUAL TO THE PAVEMENT WIDTH NOT TO EXCEED 12'.
2. EXPANSION JOINTS SHALL BE INSTALLED AT 50' MAXIMUM INTERVALS.
3. CURING SHALL BE BY ABSORPTIVE COVER; MOISTURE-RETAINING COVER; OR APPROVED CURING COMPOUND. CONTRACTOR SHALL SUBMIT PROPOSED CURING METHOD TO OWNER FOR APPROVAL PRIOR TO CONCRETE INSTALLATION.
4. APPLY WATER BASED 40% SILANE PENETRATING SEALER AFTER A MINIMUM OF 28 DAYS PER MANUFACTURERS RECOMMENDATIONS.
5. PROVIDE MINIMUM CROSS-SLOPE OF 1.5% TO MAXIMUM CROSS SLOPE OF 2%.
6. FIBERMESH DOSAGE RATE SHALL BE SPECIFIED IN CONCRETE MIX DESIGN SUBMITTED BY CONTRACTOR.

8 CONCRETE WALKWAY DETAIL
1" = 1'-0"

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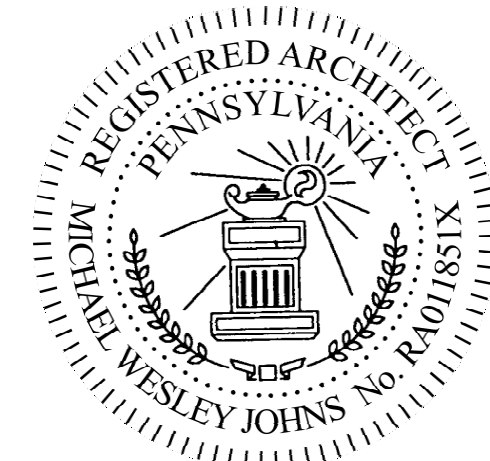
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Mark	Revisions	Date
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DETAILS

DRAWING TITLE

A5

PLUMBING / FIRE PROTECTION

	SANITARY RISER DESIGNATION		MEDICAL GAS ZONE ALARM
	WASTE RISER DESIGNATION		MEDICAL GAS ZONE VALVE
	VENT RISER DESIGNATION		IN-LINE PUMP
	VENT THROUGH ROOF RISER DESIGNATION		IN-LINE PUMP
	WATER HEATER DESIGNATION		ACCESS PANEL
	STORAGE TANK DESIGNATION		ACCESS DOOR
	HEAT EXCHANGER DESIGNATION		AIR SEPARATOR
	CIRCULATING PUMP DESIGNATION		FLOW METER
	FIRE PUMP DESIGNATION		EXPANSION JOINT
	RAIN WATER CONDUCTOR RISER DESIGNATION		BACK PRESSURE REGULATING VALVE
	WATER RISER DESIGNATION		VERTICAL LIFT CHECK VALVE
	GAS RISER DESIGNATION		TEMPERATURE CONTROL TERMINAL
	FIRE PROTECTION RISER DESIGNATION		WATER PIPING DROP
	COLD WATER PIPING		SANITARY, WASTE, VENT & RAIN WATER PIPE DROP
	HOT WATER PIPING		WATER PIPE RISER
	HOT WATER RETURN PIPING		SANITARY, WASTE, VENT & RAIN WATER PIPE RISER
	SANITARY PIPING ABOVE FLOOR		FLOOR DRAIN
	SANITARY PIPING BELOW FLOOR		FLOOR SINK
	VENT PIPING		FUNNEL FLOOR DRAIN
	RAIN WATER PIPING IN CEILING ABOVE		HUB DRAIN
	RAIN WATER PIPING BELOW FLOOR		FLOOR CLEANOUT
	OXYGEN PIPING		SIDE CLEANOUT
	MEDICAL AIR PIPING		PIPING END CAP
	VACUUM PIPING		PIPE PITCH DESIGNATION SLOPE AT 1/8" / FT
	VACUUM SCAVENGING PIPING		PRESSURE GAUGE WITH PET COCK
	NITROGEN PIPING		MANUAL AIR VENT
	NITROUS OXIDE PIPING		THERMOMETER IN SEPARABLE WELL
	COMPRESSED AIR PIPING		FLEXIBLE HOSE CONNECTION
	NATURAL GAS PIPING		DOMESTIC WATER METER
	BALL VALVE		NATURAL GAS METER
	GATE VALVE		WATER HAMMER ARRESTER
	2-WAY CONTROL VALVE		HOSE BIBB
	3-WAY CONTROL VALVE		NON-FREEZE HOSE BIBB
	COMBINATION BALANCING AND SHUT-OFF VALVE		FIRE PROTECTION PIPING
	BUTTERFLY VALVE		OS & Y VALVE WITH TAMPER SWITCH
	OS & Y VALVE		BUTTERFLY VALVE WITH TAMPER SWITCH
	CHECK VALVE/BACK WATER VALVE		FIRE PROTECTION VALVE WITH TAMPER SWITCH
	PRESSURE RELIEF VALVE		FLOW SWITCH
	STRAINER		PRESSURE SWITCH
	STRAINER WITH BLEED VALVE		2-1/2" FIRE DEPARTMENT VALVE
	GLOBE VALVE		FIRE DEPARTMENT CONNECTION
	PLUG VALVE		TEST HOSE HEADERS
	PRESSURE REDUCING VALVE		FIRE HYDRANT
	SOLENOID VALVE		PENDANT SPRINKLER HEAD
	REDUCED PRESSURE TYPE BACK FLOW PREVENTER		UPRIGHT SPRINKLER HEAD
	PIPE GUIDE		SIDE WALL SPRINKLER HEAD
	PIPE ANCHOR		
	PIPE EXPANSION LOOP		
	UNION		
	GAS COCK		
	AUTO GAS SHUT-OFF VALVE		
	GAS PIPING DIRT LEG		

GENERAL GRAPHIC SYMBOLS

	PLAN NUMBER
	DRAWING NUMBER
	SECTION NUMBER
	DRAWING NUMBER
	DRAWING NOTE DESIGNATION
	DEMOLITION NOTE DESIGNATION
	POINT OF CONNECTION BETWEEN NEW WORK & EXISTING WORK
	POINT OF DEMOLITION
	REVISION CLOUD AND NUMBER
	SQUARE FOOT
	CENTER LINE
	ANGLE
	PLATE
	3HR. WALL
	2HR. WALL
	1HR. WALL
	SMOKE WALL
	WIRING UNDER FLOOR OR UNDER GROUND
	EXISTING WORK
	NEW WORK
	DEMOLITION WORK (MECH, PLUMB & FIRE PROT.)
	DEMOLITION WORK (ELECTRICAL)

PLUMBING PIPE & FITTING SCHEDULE							
SYSTEM	PIPE SIZE	LOCATION	MATERIAL	SCHEDULE OR TYPE	FITTING	JOINT	REMARKS
SANITARY	ALL	BELOW GRADE	CAST IRON	SERVICE WEIGHT C.I.	CAST IRON	BELL & SPIGOT WITH LEAD AND OAKUM	PROVIDE INSPECTION REPORTS PRIOR TO BACKFILL
	3" AND LARGER	ABOVE GRADE	CAST IRON	HUBLESS CAST IRON	CAST IRON	HEAVY DUTY STAINLESS STEEL COUPLINGS	
SANITARY VENT	2-1/2" AND SMALLER	ABOVE GRADE	CAST IRON COPPER	SERVICE WEIGHT COPPER DWV/TUBE	CAST IRON COPPER	HEAVY DUTY STAINLESS STEEL COUPLINGS COPPER SOLDERED	ALL EXPOSED SANITARY PIPING BELOW PLUMBING FIXTURES SHALL BE CHROME PLATED BRASS
	3" AND LARGER	ABOVE GRADE	CAST IRON	HUBLESS CAST IRON	CAST IRON	HEAVY DUTY STAINLESS STEEL COUPLINGS	
DOMESTIC COLD WATER	ALL	ABOVE GRADE	COPPER	SERVICE WEIGHT COPPER DWV/TUBE	CAST IRON COPPER	HEAVY DUTY STAINLESS STEEL COUPLINGS COPPER SOLDERED	95% TIN & 5% ANTIMONY
DOMESTIC HOT WATER	ALL	ABOVE GRADE	COPPER	TYPE 'L'	WROUGHT COPPER	COPPER SOLDERED	95% TIN & 5% ANTIMONY
CONDENSATE	ALL	ABOVE GRADE	COPPER	TYPE 'L'	WROUGHT COPPER	COPPER SOLDERED	95% TIN & 5% ANTIMONY

NOTES:

- SUPPLY FIXTURE WITH 1/4" TURN SHUT OFF VALVES ON DOMESTIC WATER LINES AT AN EXCESSIBLE LOCATION TO THE FIXTURE
- FIXTURE PROVIDED WITH CANNISTRY AND INSTALLED BY THE GENERAL CONTRACTOR - SEE ARCHITECTURAL DRAWINGS AND SPECIFICATION FOR FIXTURE TYPE. THIS CONTRACTOR TO PROVIDE ALL MATERIAL NECESSARY TO FULLY PLUMB FIXTURE AND ALL ACCESSORIES SHOWN PER MANUFACTURER'S RECOMMENDATIONS
- PROVIDE WITH CLOSET FLANGE AND EXTRA WAX RING.

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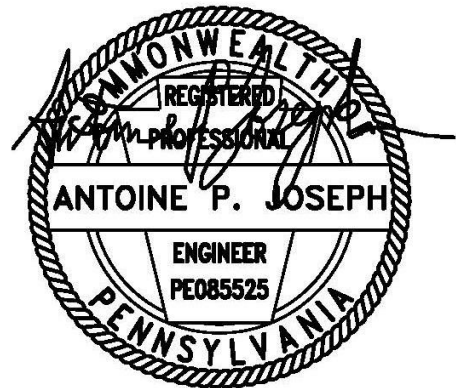
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07-11-2024

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CHECKED BY	JW
DATE	05/13/24

BID SET

PLUMBING SYMBOLS AND ABBREVIATIONS

DRAWING TITLE

P000

ROSETREE
PARK

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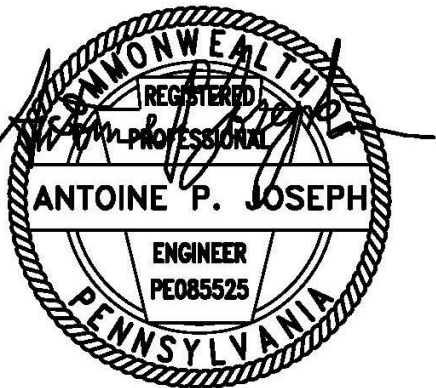
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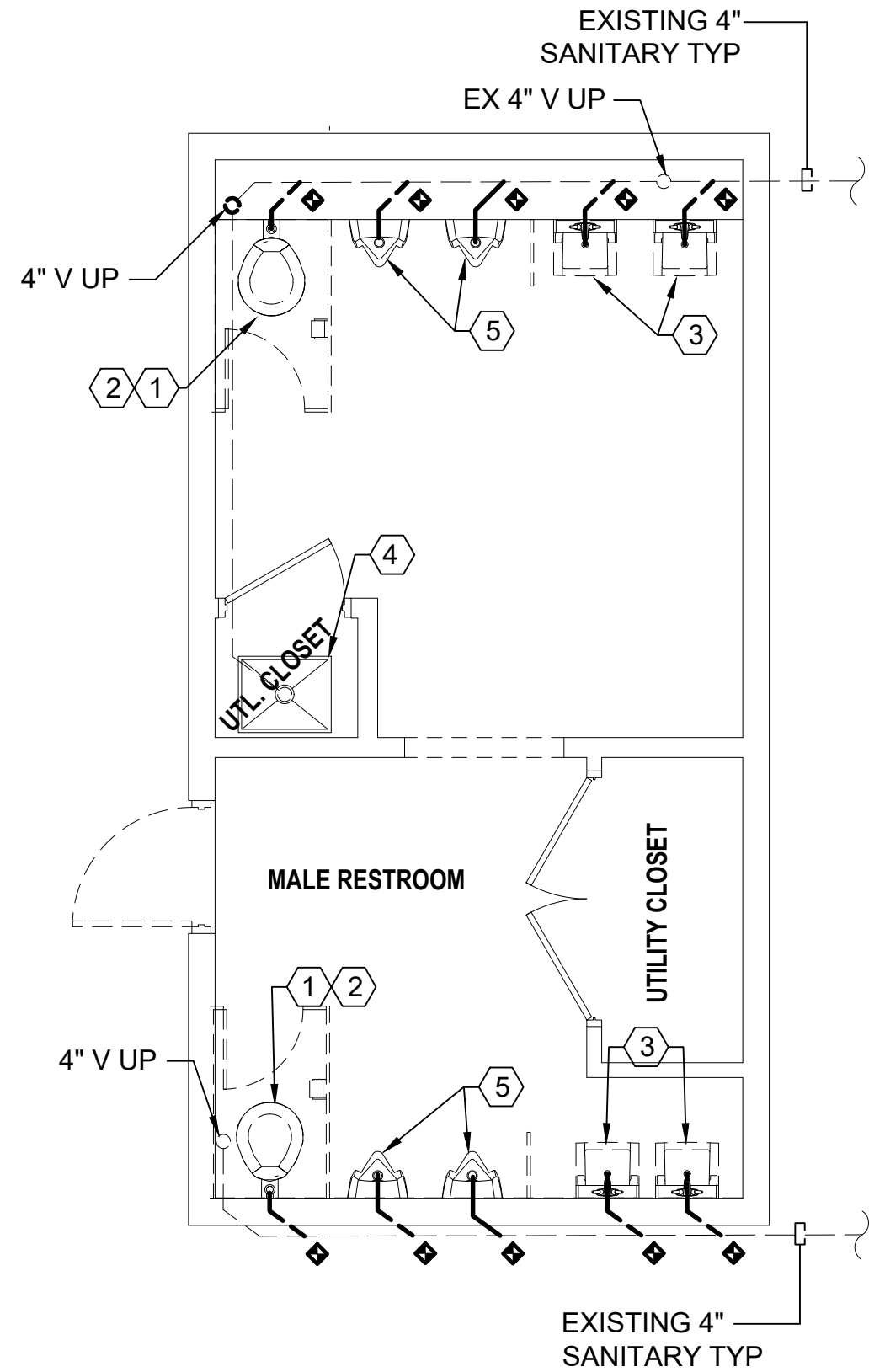
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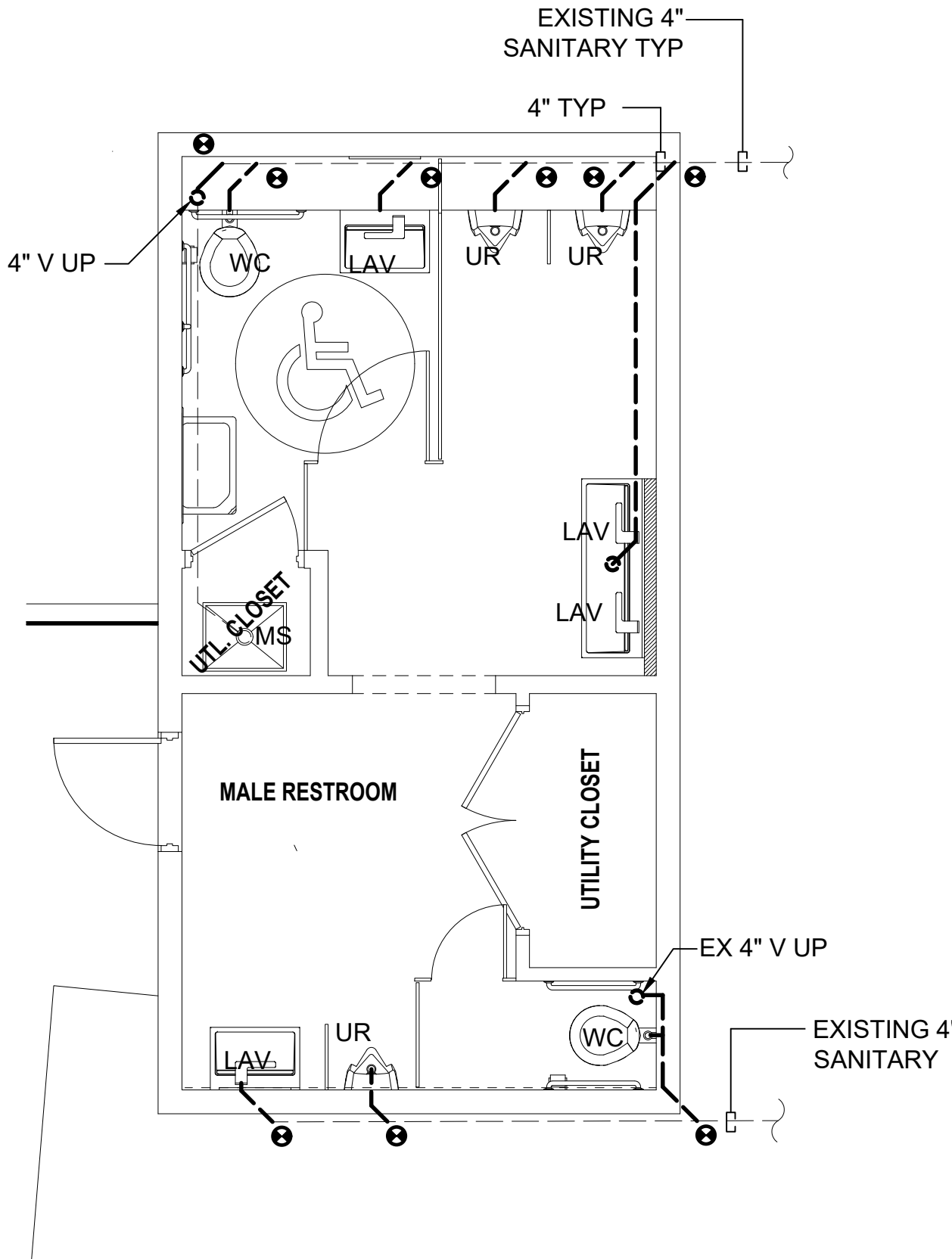
07-11-2024

PLUMBING DEMOLITION NOTES

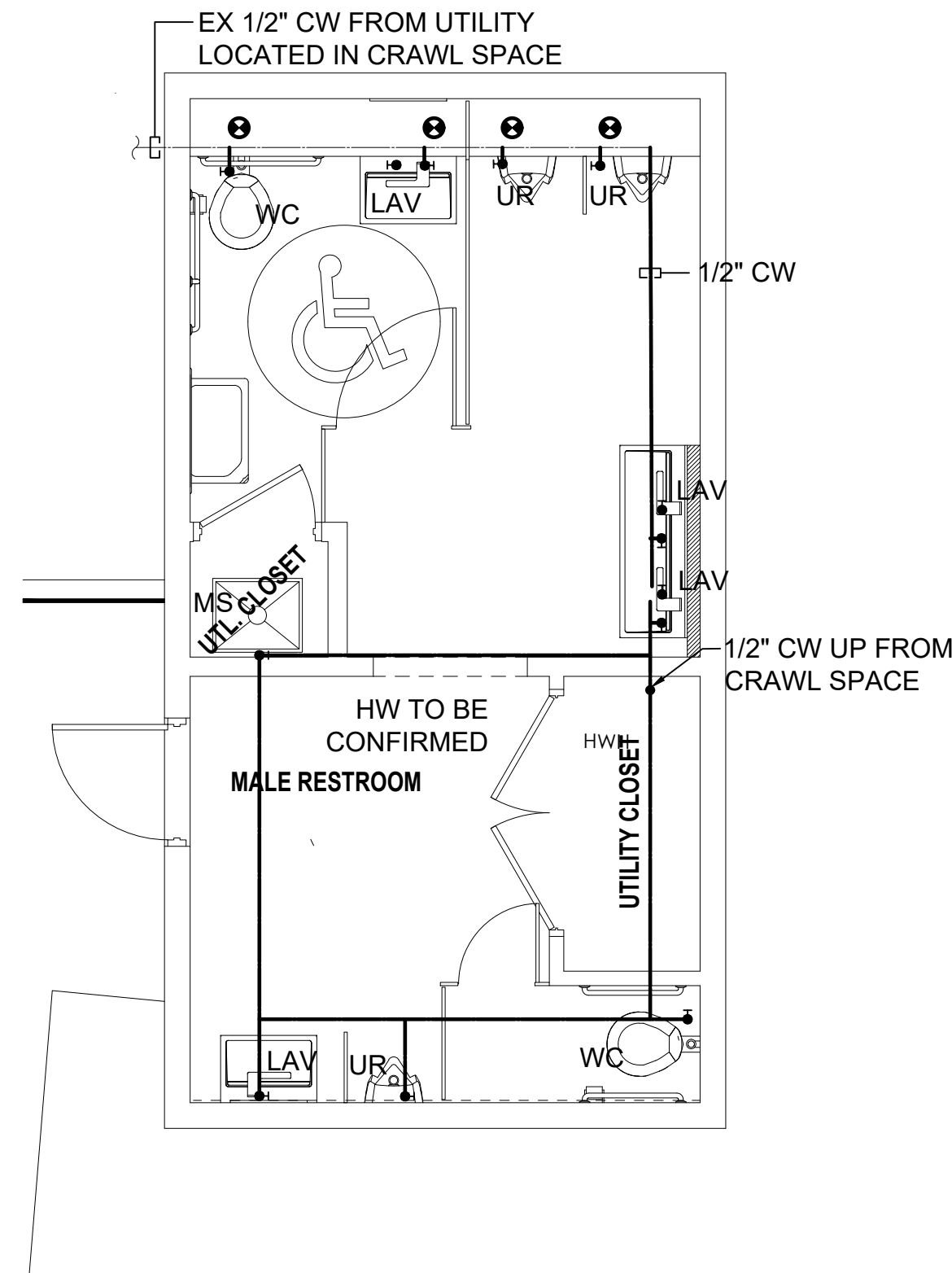
- 1 DEMOLISH AND PROPERLY DISPOSE OF WATER CLOSET COPPER WATER SUPPLY LINES, SHUT OFF VALVES AND ASSOCIATED DRAINAGE PIPING BACK TO WATER MAIN OR SANITARY MAIN.
- 2 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING WATER CLOSET, CHAIR CARRIER AND ASSOCIATED SANITARY PIPING UP TO SANITARY MAIN.
- 3 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING LAVATORY, ASSOCIATED WALL BRACKETS WATER SUPPLY LINES AND VALVES AND SANITARY PIPING BACK TO WATER SUPPLY & SANITARY MAIN.
- 4 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING MOP SINK WALL BRACKETS WATER SUPPLY LINES, VALVES AND SANITARY PIPING BACK TO WATER SUPPLY & SANITARY MAIN.
- 5 CAREFULLY DEMOLISH AND PROPERLY DISPOSE OF EXISTING URINALS, ASSOCIATED WALL BRACKETS WATER SUPPLY LINES, VALVES AND SANITARY PIPING BACK TO WATER SUPPLY & SANITARY MAIN.



1 MALE RESTROOM SANITARY DEMO PLAN
Scale: 1/4" = 1'-0"



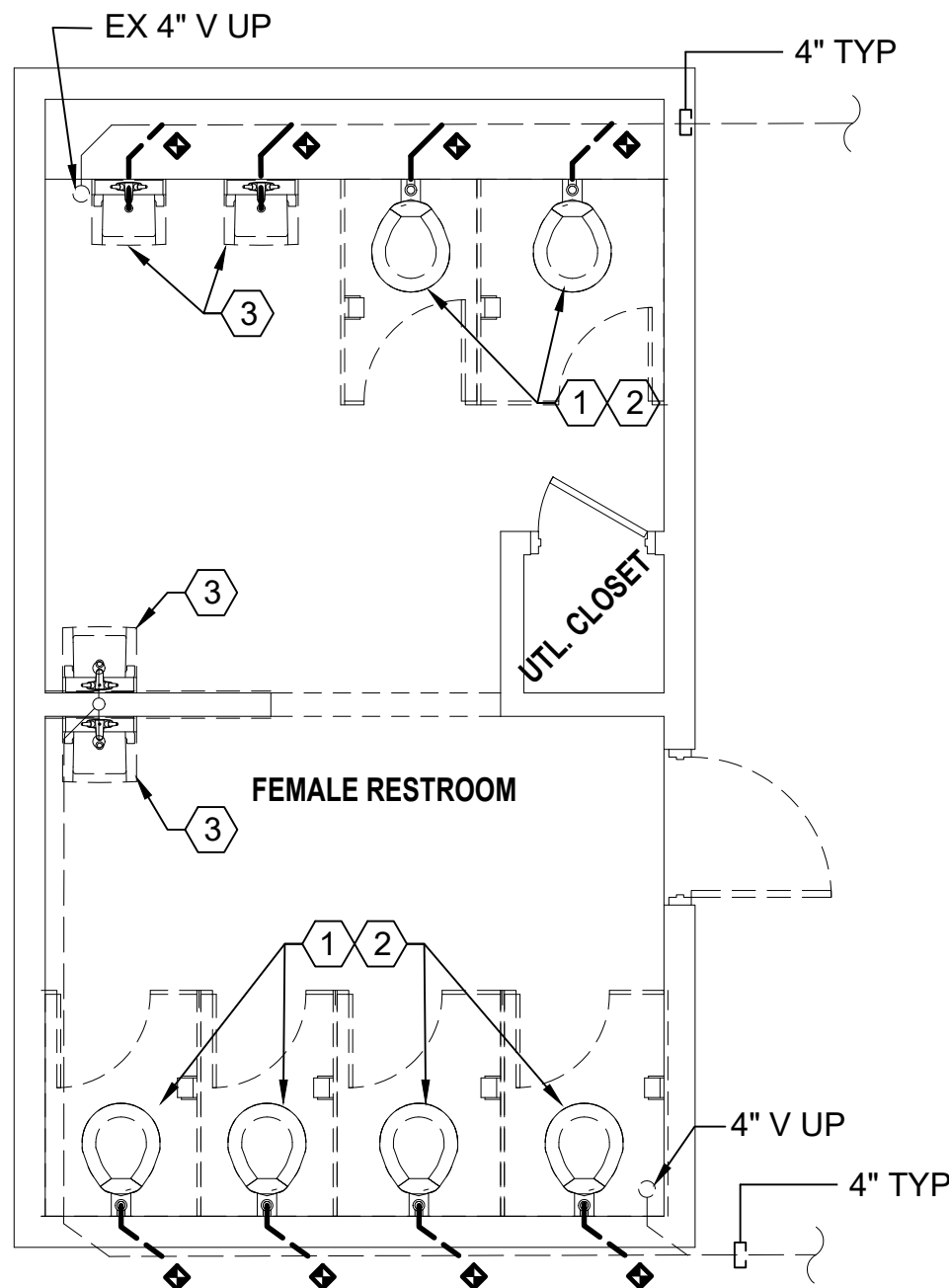
2 MALE REST ROOM NEW SANITARY PLAN
Scale: 1/4" = 1'-0"



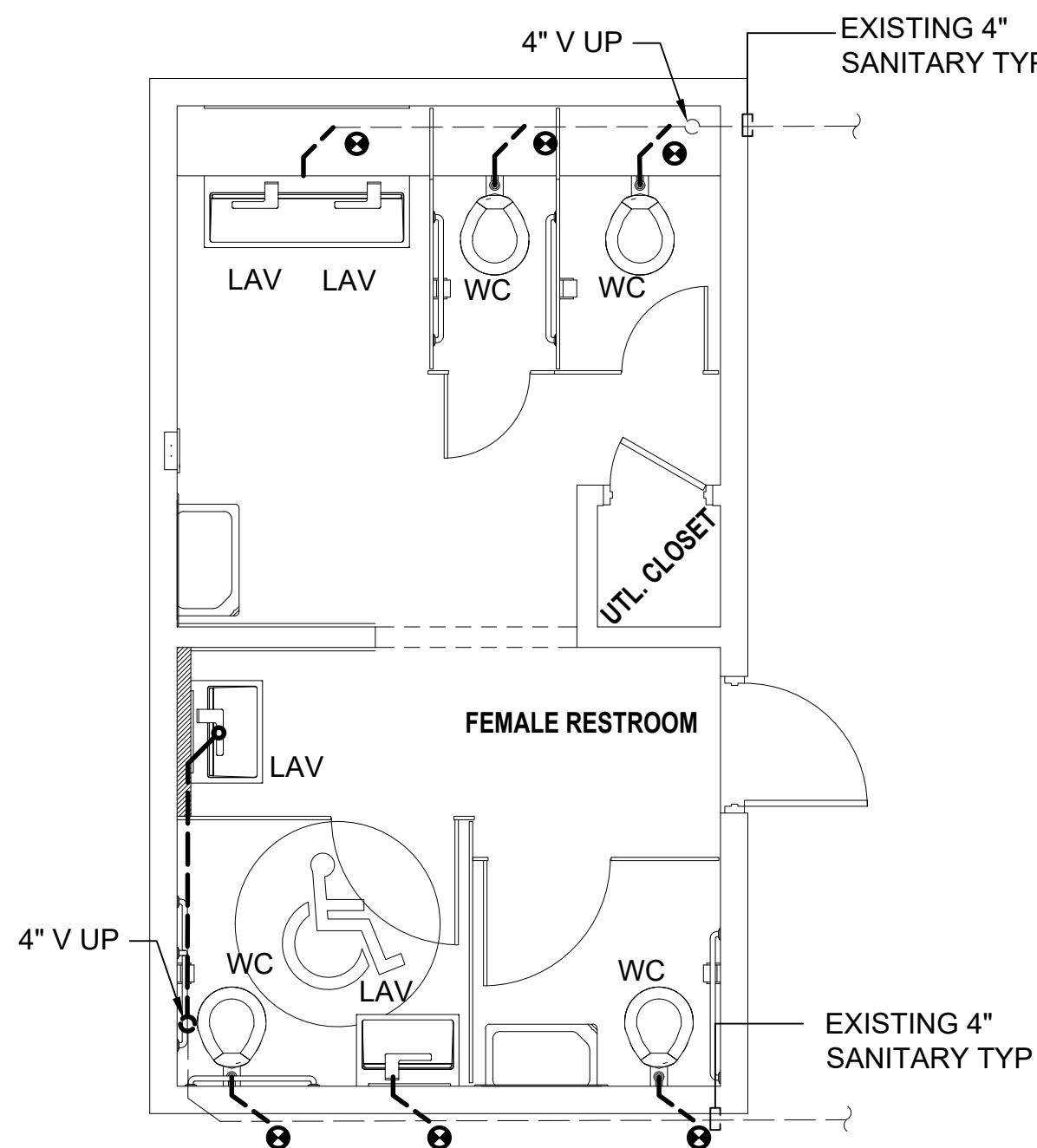
5 MALE REST ROOM NEW DOMESTIC PLAN
Scale: 1/4" = 1'-0"

PLUMBING INSTALLATION NOTES

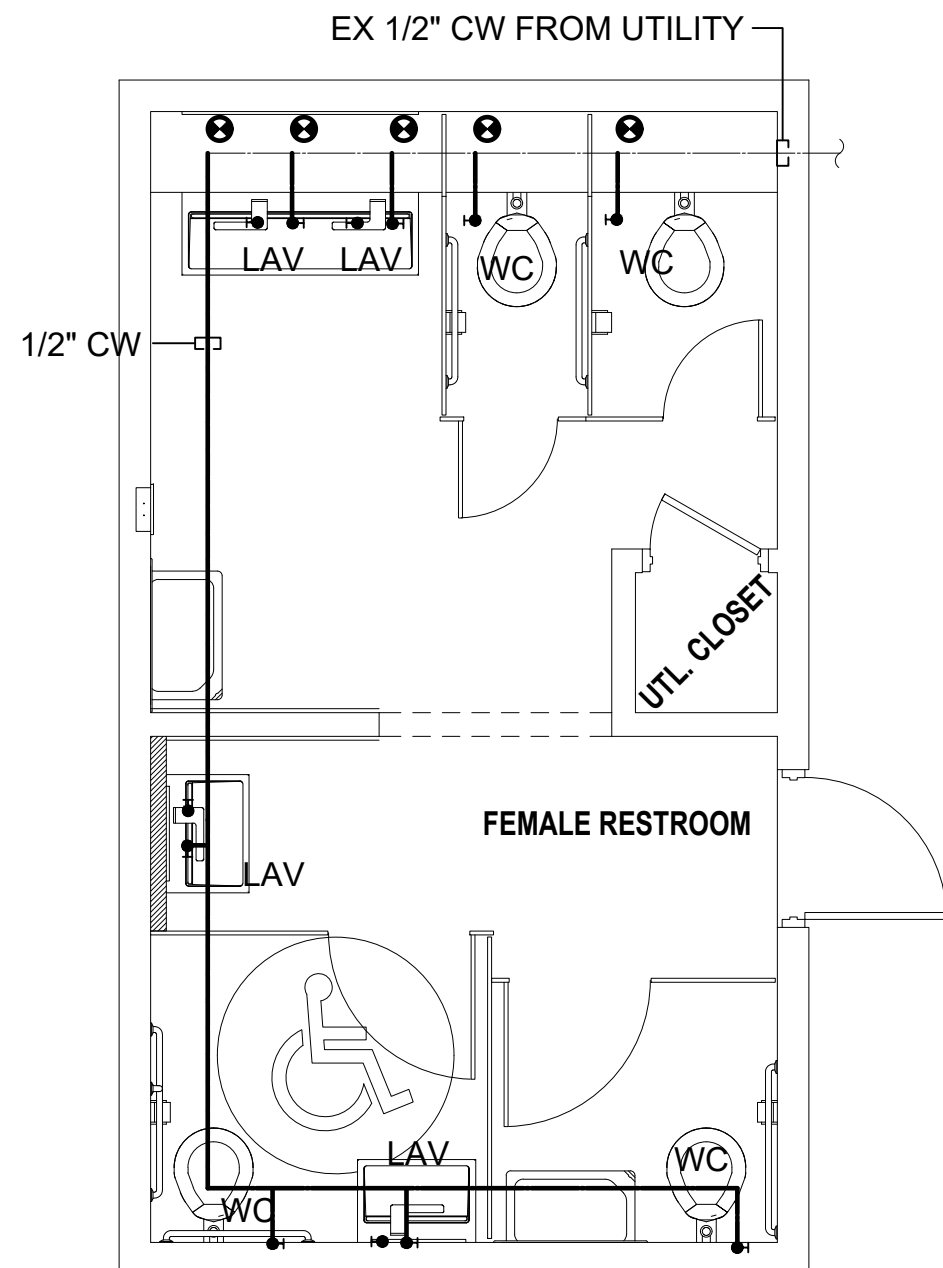
1. ALL NEW PLUMBING FIXTURES SHALL BE FED WITH NEW COPPER PIPING SIZED AS SHOWN ON PLUMBING RISER DIAGRAMS AND SHALL BE TIED TO EXISTING HOT OR COLD WATER SUPPLY LINES.
2. ALL COPPER PIPING INSTALLED IN AREAS THAT ARE PRONE TO FREEZING SHALL BE PROPERLY INSULATED TO PROTECT FROM FREEZING.
3. ALL FIXTURES SHALL BE SUPPLIED WITH NEW SHUT OFF VALVES AND ALL NECESSARY APPURTENANCES FOR A COMPLETE AND OPERATIONAL SYSTEM.



3 FEMALE RESTROOM SANITARY DEMO PLAN
Scale: 1/4" = 1'-0"



4 FEMALE REST ROOM NEW SANITARY PLAN
Scale: 1/4" = 1'-0"



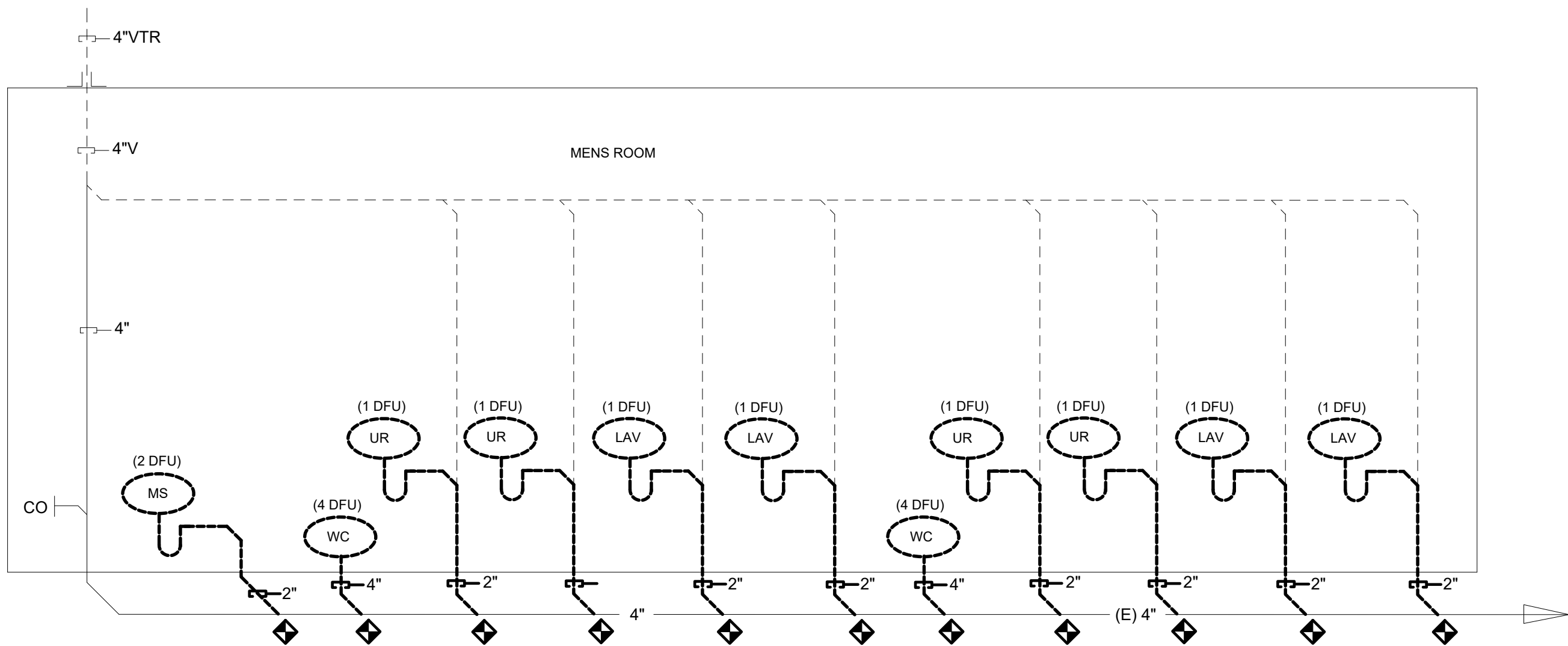
6 FEMALE REST ROOM NEW DOMESTIC PLAN
Scale: 1/4" = 1'-0"

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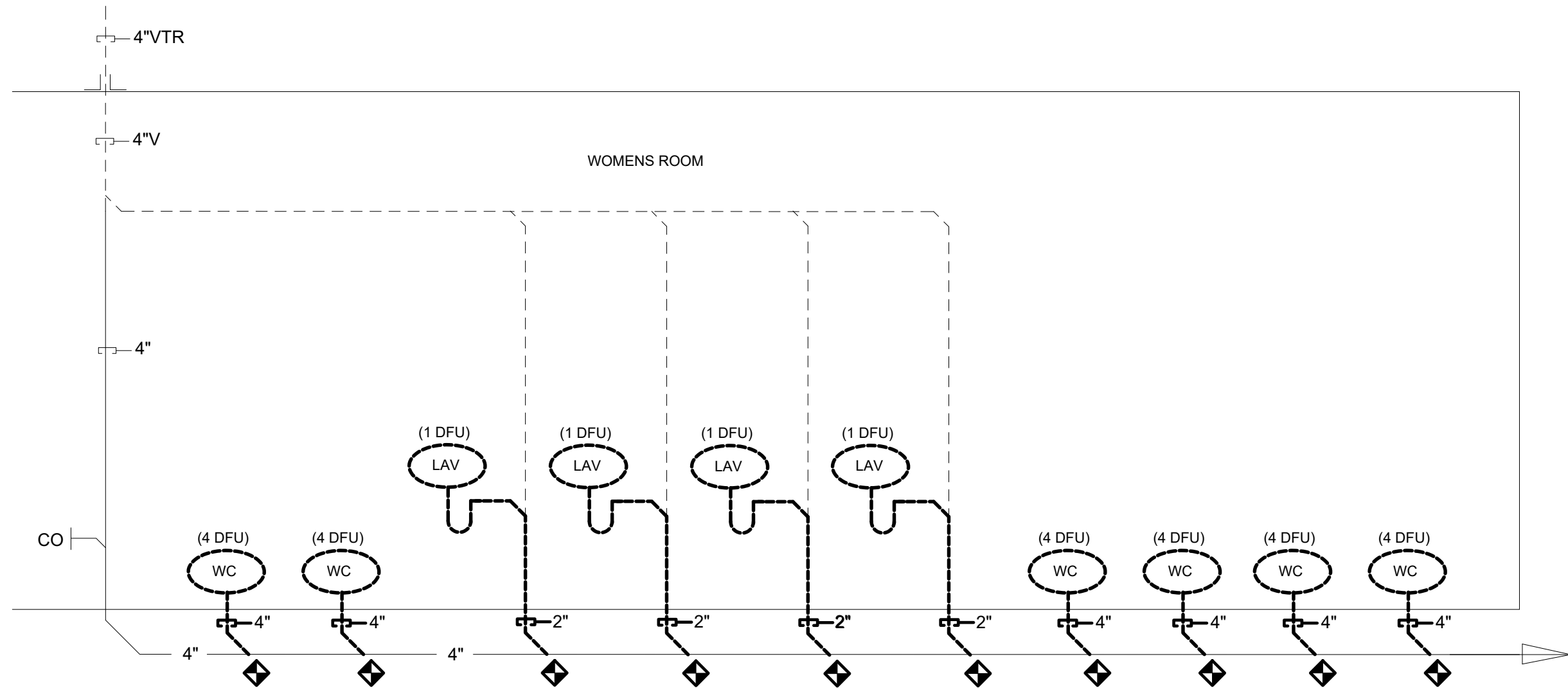
MALE AND FEMALE REST
ROOM SANITARY DEMOLITION
AND NEW SANITARY AND
DOMESTIC WATER PLANS

DRAWING TITLE

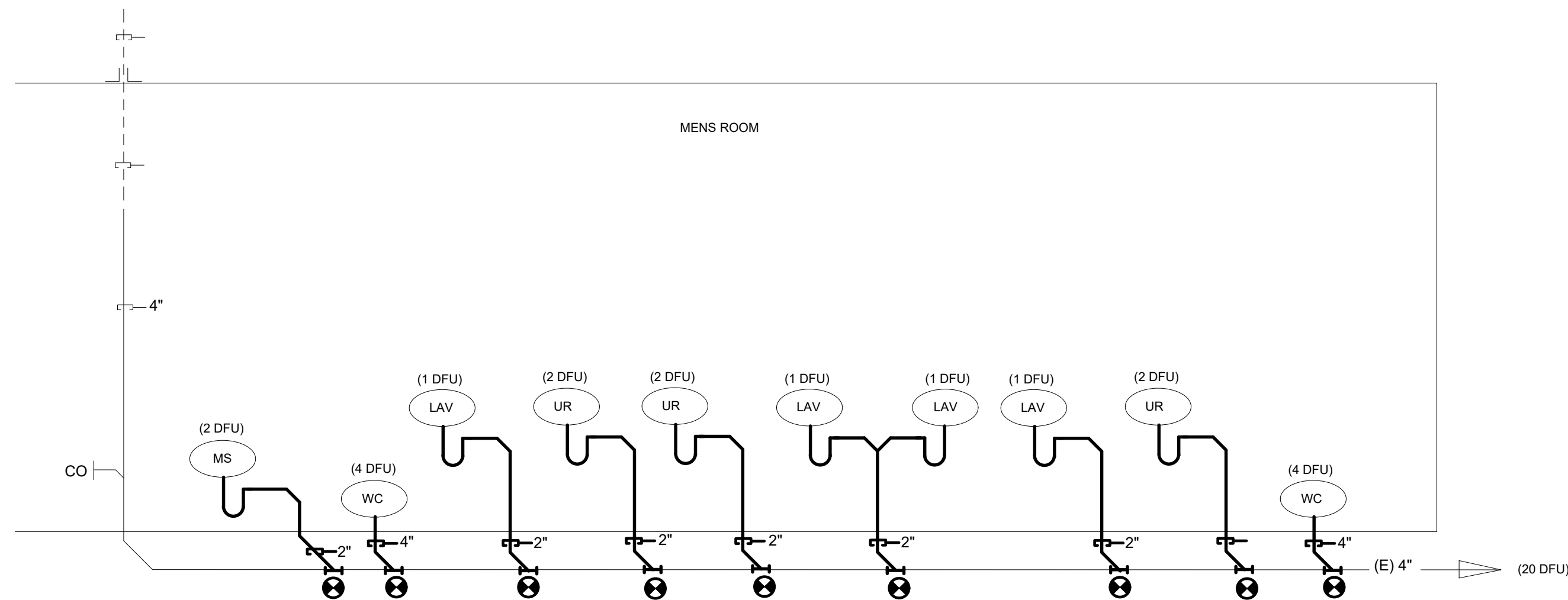
P100



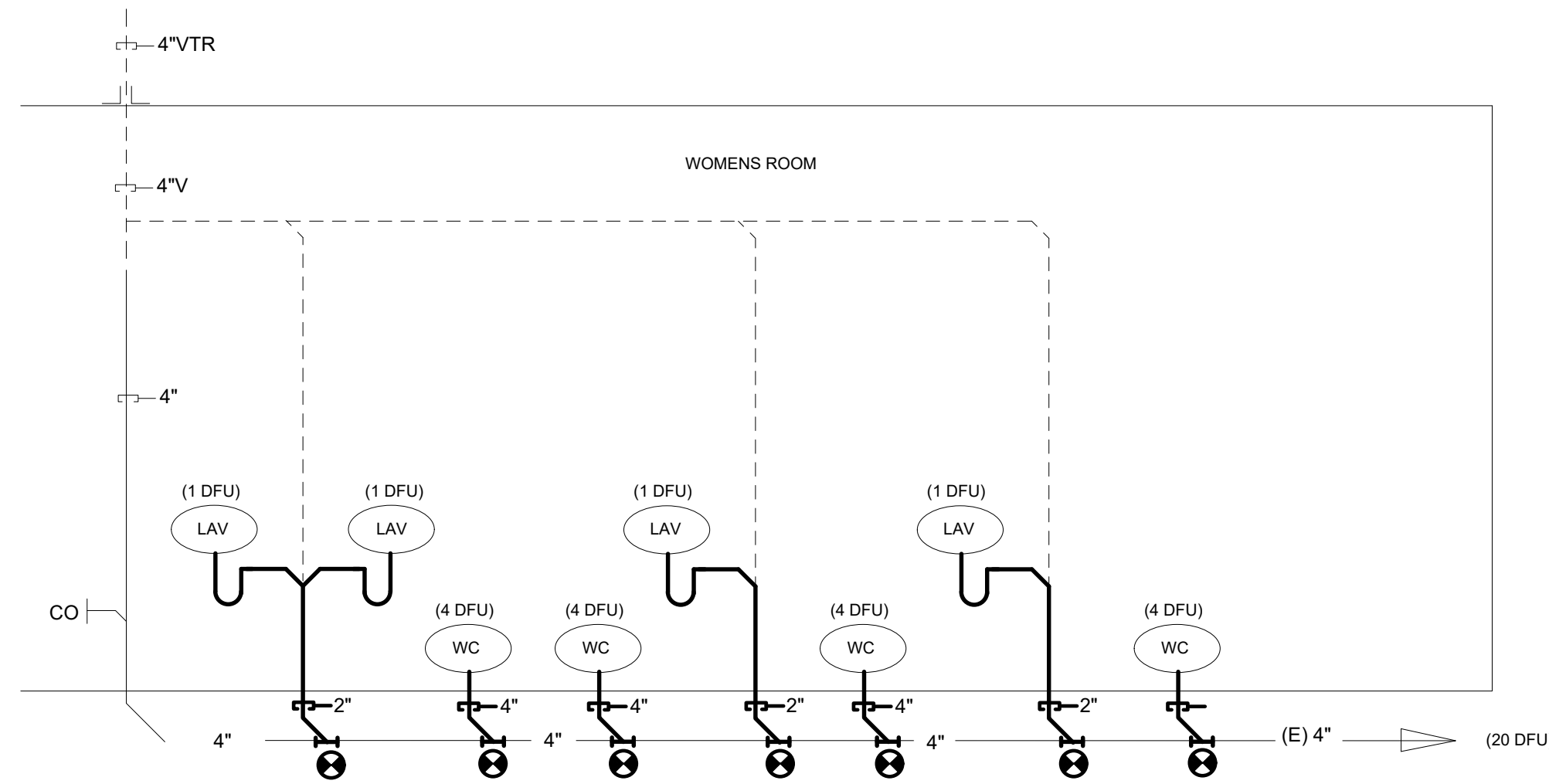
1 MALE RESTROOM SANITARY DEMOLITION PLAN
P200 Scale: N.T.S.



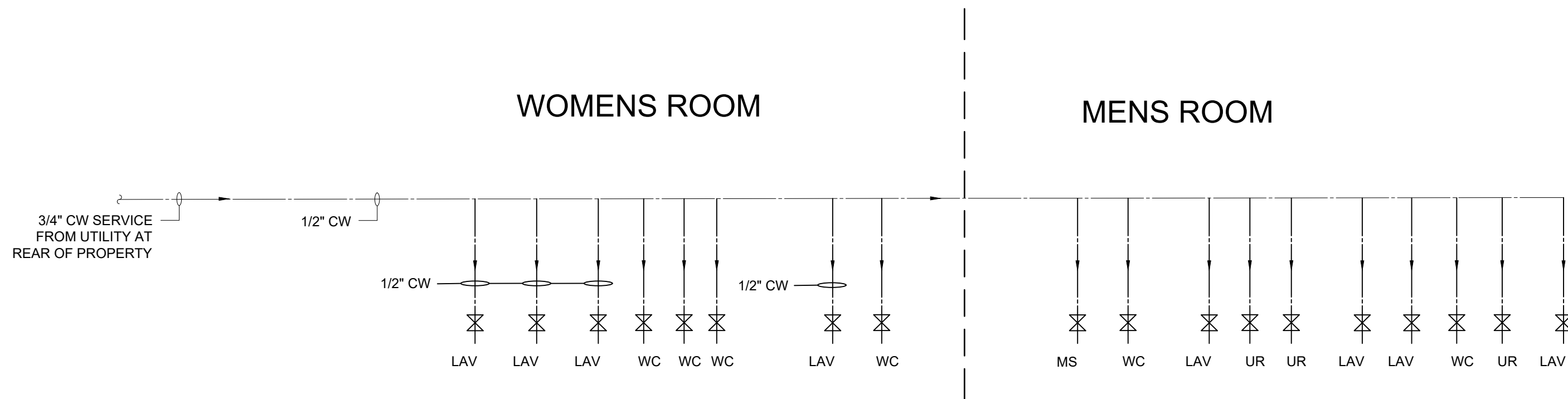
2 WOMENS RESTROOM SANITARY DEMOLITION PLAN
P200 Scale: N.T.S.



3 MALE RESTROOM PROPOSED SANITARY PLAN
P200 Scale: N.T.S.



4 WOMENS RESTROOM PROPOSED SANITARY PLAN
P200 Scale: N.T.S.



5 MENS -WOMENS DOMESTIC WATER RISER
P200 Scale: N.T.S.

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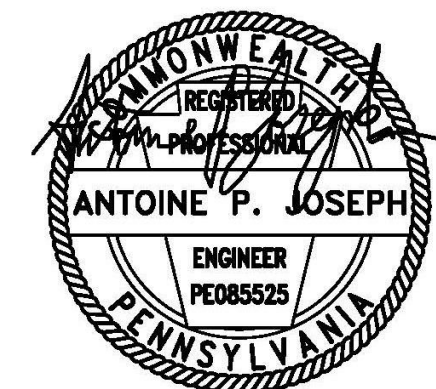
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07-11-2024

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DEMO AND PROPOSED SANITARY &
DOMESTIC WATER RISER DIAGRAMS

DRAWING TITLE

P200

ABBREVIATIONS

(E)	EXISTING TO REMAIN	MCC	MOTOR CONTROL CENTER
(R)	EXISTING TO BE RELOCATED	MCP	MOTOR CIRCUIT PROTECTOR
(X)	EXISTING TO BE REMOVED	MDP	MAIN DISTRIBUTION PANEL
A	AMPERE(S)	MECH	MECHANICAL
A/V	AUDIO/VISUAL	MH	MANHOLE
AC	ALTERNATING CURRENT	MIC	MICROPHONE
AF	AMP FRAME	MLO	MAIN LUGS ONLY
AFF	ABOVE FINISHED FLOOR	MTD	MOUNTED
AFG	ABOVE FINISHED GRADE	MTG	MOUNTING
AIC	AMPERES INTERRUPTING CAPACITY	MTR	MOTOR
AT	AMPERE TRIP	NC	NORMALLY CLOSED
ATC	AUTOMATIC TEMPERATURE CONTROL	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
ATS	AUTOMATIC TRANSFER SWITCH	NFSS	NON-FUSED SAFETY SWITCH
AWG	AMERICAN WIRE GAUGE	N.I.C	NOT IN CONTRACT
BFC	BELOW FINISHED CEILING	NL	NIGHT LIGHT
BMS	BUILDING MANAGEMENT SYSTEM	NO	NORMALLY OPEN
BUS	BUSWAY	NTS	NOT TO SCALE
C	CONDUIT	OC	ON CENTER
CATV	CABLE ANTENNA TELEVISION	OL	OVERLOAD ELEMENT
CC	CONTROL CABINET	P	POWER OR POLE
CCTV	CLOSED CIRCUIT TELEVISION	PB	PUSH BUTTON
CKT	CIRCUIT	PC	PLUMBING CONTRACTOR
CL	COLUMN LINE	PE	PHOTOELECTRIC CONTROLLER
CLG	CEILING	PF	POWER FACTOR
CMH	COMMUNICATIONS MANHOLE	PH	PHASE
CP	CONTROL PANEL	PL	PILOT LIGHT
CT	CURRENT TRANSFORMER	PNL	PANEL
CU	COPPER	PP	POWER PANEL
D	DATA	PR	PRIMARY
DC	DIRECT CURRENT	PS	PULL STATION
DP	DOUBLE POLE	PTZ	PAN, TILT, ZOOM CAMERA
DS	DISCONNECT SWITCH	PVC	POLYVINYL CHLORIDE
DT	DOUBLE THROW	R	RELAY
EC	ELECTRICAL CONTRACTOR	RAC	RIGID ALUMINUM CONDUIT
EF	EXHAUST FAN	RAF	RETURN AIR FAN
ELEV	ELEVATOR	RC	REMOTE CONTROL
ELU	EMERGENCY LIGHTING UNIT	RCP	REFLECTED CEILING PLAN
EMH	ELECTRIC MANHOLE	RECPT	RECEPTACLE
EMT	ELECTRICAL METALLIC TUBING	RM	ROOM
EPO	EMERGENCY POWER OPERATOR	RTU	ROOF TOP UNIT
ETR	EXISTING TO REMAIN	SAF	SUPPLY AIR FAN
EUH	ELECTRICAL UNIT HEATER	SC	SPRINKLER CONTRACTOR
EWC	ELECTRIC WATER COOLER	SD	SMOKE DETECTOR
FA	FIRE ALARM	SEC	SECONDARY
FAAP	FIRE ALARM ANNUNCIATOR PANEL	SP	SINGLE POLE
FACP	FIRE ALARM CONTROL PANEL	SPKR	SPEAKER
FB	FLOOR BOX	ST	SINGLE THROW
FBO	FURNISHED BY OTHERS - INSTALLED AND WIRED BY EC	SM	SURFACE MOUNTED
FCC	FIRE CONTROL CENTER	SW	SWITCH
FDR	FEEDER	SWBD	SWITCHBOARD
FLA	FULL LOAD AMPS	T	TELEPHONE
FLR	FLOOR	TC	TIMECLOCK
FO	FULL OUTPUT	TD	TIME DELAY
FS	FLOW SWITCH	TEMP	TEMPORARY
FSS	FUSED SAFETY SWITCH	TS	TAMPER SWITCH
FU	FUSED	TV	TELEVISION
G	GROUND	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UFD	UNDERFLOOR DUCT
GFCI	GROUND FAULT CIRCUIT INTERRUPTING	UG	UNDER GROUND
GND	GROUND	UH	UNIT HEATER
GRS	GALVANIZED RIGID STEEL CONDUIT	UON	UNLESS OTHERWISE NOTED
HD	HEAT DETECTOR	V	VOLTS
HID	HIGH INTENSITY DISCHARGE	VA	VOLT-AMPERES
HP	HORSE POWER	VP	VAPOR PROOF
HPS	HIGH PRESSURE SODIUM	W	WATTS
HT	ELECTRIC HEAT TRACE	WP	WEATHERPROOF
HZ	HERTZ	XFMR	TRANSFORMER
IG	ISOLATED GROUND	XP	EXPLOSION PROOF
IMC	INTERMEDIATE METALLIC CONDUIT		
INC	INCANDESCENT		
JB	JUNCTION BOX		
KVA	KILOVOLT AMPERE(S)		
KVAR	KILOVOLT AMPERE-REACTIVE(S)		
KW	KILOWATT(S)		
LBS	LOAD BREAK SWITCH		
LP	LIGHTING PANEL		
LPS	LOW PRESSURE SODIUM		
MATV	MASTER ANTENNA TELEVISION		
MC	MECHANICAL CONTRACTOR		
MCB	MAIN CIRCUIT BREAKER		

ELECTRICAL DEVICE SYMBOLS

	WALL-MOUNTED DUPLEX RECEPTACLE
	WALL-MOUNTED DUPLEX GROUND FAULT INTERRUPTER
	WALL-MOUNTED WATER PROOF DUPLEX RECEPTACLE
	WALL MOUNTED SWITCH WITH OCCUPANCY SENSOR

LIGHTING FIXTURES SYMBOLS

	1X 4 LED FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED EXIT SIGN
	WALL MOUNTED EXIT SIGN W/ DIRECTIONAL ARROW
	EMERGENCY BATTERY LIGHT FIXTURE
	REMOTE EMERGENCY BATTERY HEADS

POWER DISTRIBUTION SYMBOLS

	SURFACE MOUNTED PANEL BOARD
	FLUSH MOUNTED PANEL BOARD
	CEILING MOUNTED JUNCTION BOX
	4 X 4 WALL MOUNTED JUNCTION BOX

FIRE ALARM SYMBOLS

	FIRE ALARM PULL STATION
	HORN-STROBE
	HEAT DETECTOR
	SYSTEM SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	REMOTE ANNUNCIATOR
	CEILING-MOUNTED STROBE
	NON SYSTEM APARTMENT SMOKE DETECTOR
	120V TAMPER SWITCH
	120V FLOW SWITCH

GENERAL ELECTRICAL NOTES:

- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, LOCAL CODES, THE LOCAL AUTHORITY HAVING JURISDICTION, AND INDUSTRY STANDARDS AND PRACTICES
- ALL DEVICES AND EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE NEW AND FREE OF ANY DEFECTS
- ALL CONDUIT SHALL BE 3/4" DIAMETER MINIMUM, UNLESS OTHERWISE NOTED
- MINIMUM CONDUCTOR SIZE SHALL BE #12AWG THHN OR THWN, COPPER CONDUCTORS, UNLESS OTHERWISE NOTED
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED APPROVALS, PERMITS, AND ACCEPTABLE INSPECTIONS FROM ALL AGENCIES
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONDUIT AND CABLE TRAY PENETRATIONS THROUGH CHAISES, WALLS, FLOORS, AND CEILINGS WHICH ARE FIRE RATED. THE ELECTRICAL CONTRACTOR SHALL PROPERLY SEAL ALL PENETRATIONS TO MAINTAIN FIRE PROTECTION RATING
- THE GROUND ELECTRODE CONDUCTORS SHALL BE SIZED AND GROUNDED PER NEC 250.66
- THE EQUIPMENT GROUND SHALL BE SIZED PER NEC ARTICLE 250.122 AND BE CONTINUOUS THROUGH THE ELECTRICAL SYSTEM WITH A SEPARATE GREEN GROUND INSTALLED IN ALL CONDUITS, WITHOUT EXCEPTION
- PROVIDE BONDING FOR ALL ELECTRICAL AND SYSTEM CONDUITS, STUB-UPS, SURFACE RACEWAY, CABLE TRAYS, AND THE LIKE TO GROUNDING SYSTEM PER NEC REQUIREMENTS
- CONDUIT SHALL BE GROUNDED AND BONDED TO ASSURE ELECTRICAL CONTINUITY AND THE CAPACITY TO SAFELY CONDUCT ANY FAULT CURRENT LIKELY TO BE IMPOSED

MOUNTING HEIGHTS - ELECTRICAL EQUIPMENT

9" BELOW FINISHED CEILING	-WALL MOUNTED BELLS AND FIRE ALARM SOUNDING DEVICE (OR AS SHOWN ON ARCHITECTURAL DETAILS) -TV MONITOR OUTLETS AND SERVICE RECEPTACLES FOR SHELF MOUNTED TV OR AS SHOWN ON A/V PLANS)
CENTERED ABOVE DOOR OR WINDOW OPENING	-WARNING OR SIGNALING FIXTURES/SIGNS
6'-8"	-FIRE ALARM STROBES MOUNTED AT 6'-8" OR 6" BELOW FINISHED CEILING (WHICH EVER IS LOWER)
6'-6"	-TOP OF FLUSH AND SURFACE MOUNTED ELECTRICAL LIGHTING OR POWER PANELBOARDS AND TELEPHONE CABINETS
6'-3"	-TOP OF BACK MOUNTED WALL EXIT FIXTURES (NOT MOUNTED ABOVE DOORS)
6'-0"	-TOP OF HIGHEST ELECTRICAL SAFETY DISCONNECT SWITCHES, MAGNETIC STARTERS AND CONTACTORS.
4'-6"	-WALL MOUNTED TELEPHONE AND PAY STATIONS (3'-6" AT HANDICAP LOCATIONS)
4'-0"	-WALL MOUNTED ELECTRICAL DEVICE LIGHTING SWITCHES, MANUALS MOTOR STARTERS, THERMOSTATS AND FIRE ALARM PULL STATIONS. -INCLUDES ALL FLOOR EQUIPMENT IN LABS AND EQUIPMENT ROOMS. - GFI OUTLETS IN TOILET ROOMS
1'-6"	-ELECTRICAL RECEPTACLES WITHIN MECHANICAL SPACES, ELECTRICAL ELEVATOR ROOMS. -ELECTRICAL RECEPTACLES -TELEPHONE, DATA AND COMMUNICATIONS OUTLETS -CATV AND A/V JUNCTION BOXES

NOTES:

- MOUNTING HEIGHTS TO CENTER OF OUTLETS UNLESS OTHERWISE NOTED. IN MASONRY CONSTRUCTION, THE ABOVE HEIGHTS SHALL BE USED FOR REFERENCE TO NEAREST BLOCK OR BRICK COURSING.
- THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWINGS OR SPECIFICATIONS.
- IF THERE IS AN ASTERISK BESIDE A DEVISE IT INDICATES THAT THE DEVISE IS MOUNTED ABOVE COUNTER OR CASEWORK. COORDINATE WITH ARCHITECTURAL DETAILS AND CASEWORK CONTRACTOR.

ROSETREE PARK

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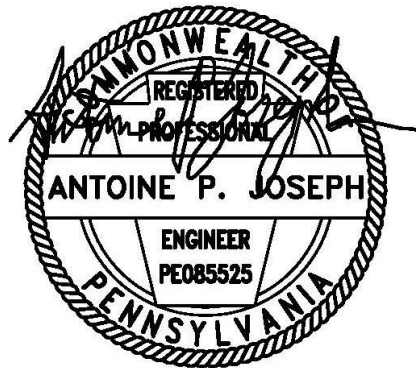
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SEAL:



07-11-2024

Mark	Revisions	Date
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ALL DIMENSIONS AND RELATIONSHIPS MUST BE VERIFIED BY CONTRACTOR. THE ARCHITECT IS TO BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE FROM DRAWINGS.

PROJECT #	Project Number
DRAWN BY	JW
CHECKED BY	JW
DATE	05/13/24

BID SET

ELECTRICAL SYMBOLS AND ABBREVIATIONS

DRAWING TITLE

E000

ROSETREE
PARK

MEDIA PENNSYLVANIA



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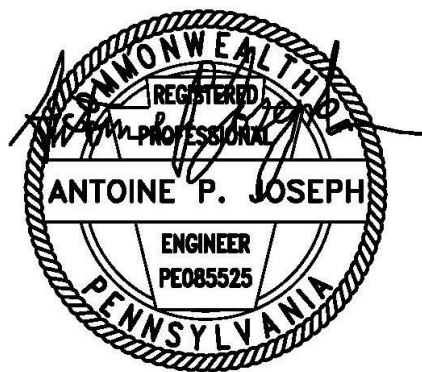
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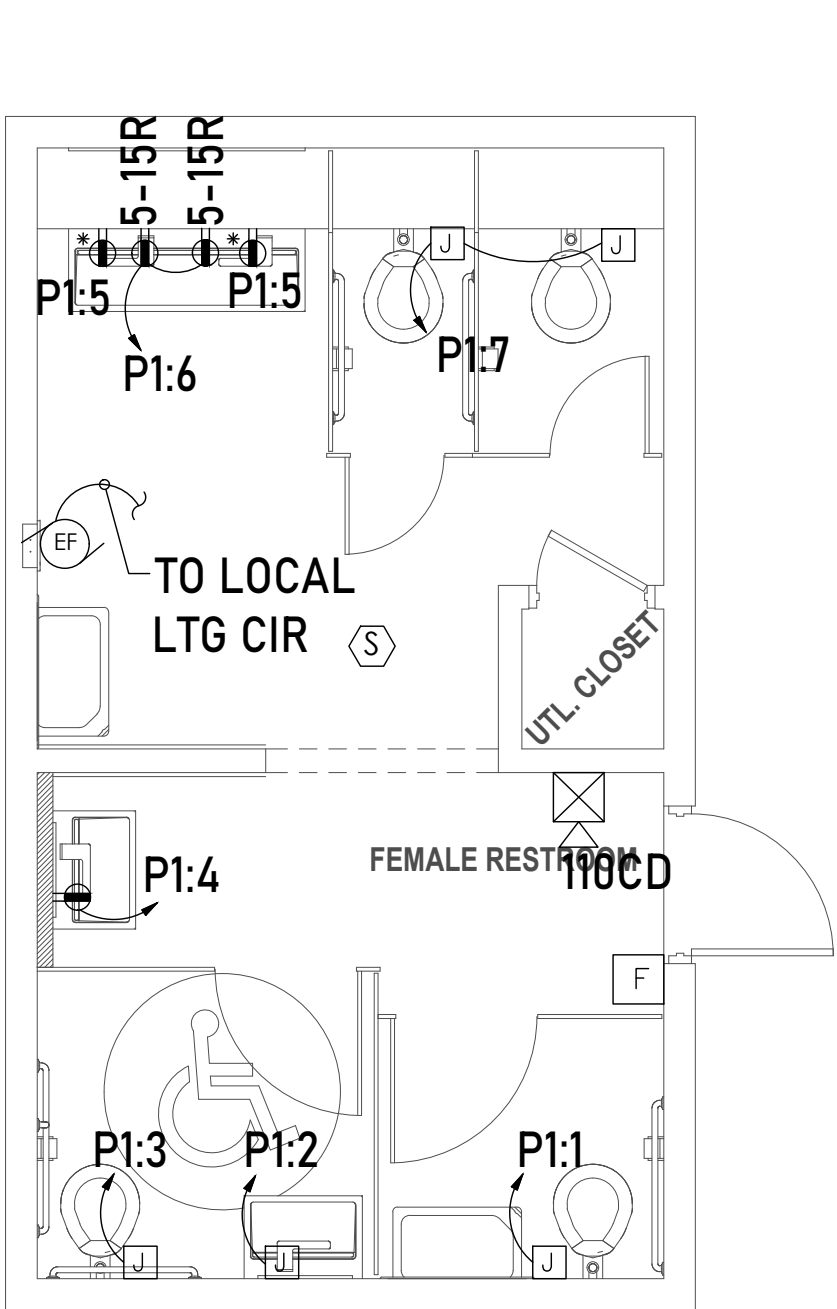
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ELECTRICAL POWER &
LIGHTING PLANS

DRAWING TITLE

E100

LIGHTING FIXTURE SCHEDULE							DESCRIPTION
FIXTURE TYPE	MANUFACTURER	CATALOG #	WATTS	LAMPS	LAMP TYPE	VOLTS	
A	LITHONIA	TBD	128	1	LED	120	1X4 LAY-IN FIXTURE B.O.D
B	LITHONIA	TBD	64	1	LED	120	INDUSTRIAL STRIP



▲

P1
MCB
200A

E200

Scale: N.T.S.

NOTE: NUMBERS IN PARENTHESIS REFLECT TOTAL SETS OF CONDUITS AND WIRE. FOR EXAMPLE, A 500A, 4 WIRE FEEDER WOULD BE (2)SETS OF (4)250KCMIL AND (1)#2G IN 3" CONDUIT.

- CONTRACTOR SHALL PROVIDE LABOR, MATERIAL, EQUIPMENT AND SERVICES FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL WORK AS INDICATED ON THE DRAWINGS AS SPECIFIED
- LABOR, MATERIAL, EQUIPMENT AND SERVICE OBVIOUSLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS ALTHOUGH NOT SPECIFICALLY MENTIONED OR SHOWN, SHALL BE PROVIDED
- ELECTRICAL WORK SHALL CONFORM WITH THE LATEST ACCEPTED EDITION OF THE INTERNATIONAL ELECTRICAL CODE AND APPLICABLE LAWS, CODES AND REGULATIONS OF MUNICIPAL, COUNTY, STATE, FEDERAL AUTHORITIES, UTILITY COMPANIES, INSURANCE AGENCIES AND OTHER AUTHORITIES HAVING JURISDICTION OF THE WORK
- ELECTRICAL CONTRACTOR SHALL OBTAIN, PAY FOR AND DELIVER PERMITS AND CERTIFICATIONS OF INSPECTIONS AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION DELIVER CERTIFICATES TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE WORK. AN ELECTRICAL INSPECTION CERTIFICATE FOR EACH CLASS OF WORK REQUIRING INSPECTION MUST BE SUBMITTED PRIOR TO OR WITH THE FINAL PAYMENT INVOICE
- CONTRACTOR MUST MAKE APPOINTMENT FOR INSPECTION, COORDINATE SAME, AND PAY THE REQUIRED INSPECTION FEE
- DRAWINGS ARE DIAGRAMMATIC, SMALL SCALE AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. HOWEVER CERTAIN RACEWAYS, BENDS, FITTINGS, BOXES, SYSTEM COMPONENTS, APPURTENANCES AND RELATED SPECIALTIES ARE NOT SHOWN, BUT SHALL BE PROVIDED TO INSURE A COMPLETE INSTALLATION
- REFER TO DRAWINGS FOR EXACT LOCATIONS OF FIXTURES AND EQUIPMENT. WHERE EQUIPMENT IS NOT DEFINITELY LOCATED, OBTAIN THIS INFORMATION FROM ENGINEER
- NO CONSIDERATION OR ALLOWANCE SHALL BE GRANTED FOR ALLEGED MISUNDERSTANDING OF MATERIALS AND EQUIPMENT TO BE FURNISHED FOR WORK TO BE ACCOMPLISHED
- WORK FURNISHED UNDER THIS CONTRACT SHALL BE WARRANTED AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR OR AS OTHERWISE SPECIFIED, FROM THE DATE OF FINAL
- WHERE CABLE PASSES THROUGH FIRE RATED STRUCTURES PROVIDE FIRE PROOF FITTINGS
- RACEWAYS SHALL BE CONCEALED IN THE CONSTRUCTION EXCEPT AS OTHERWISE SPECIFIED
- WHERE CONDUIT TERMINATES IN A CABINET, BOX OR AUXILIARY GUTTER, THE CONDUCTORS SHALL BE PROTECTED BY AN INSULATING BUSHING. LOCKNUTS SHALL BE PROVIDED BOTH INSIDE AND OUTSIDE THE ENCLOSURE
- A PULL WIRE SHALL BE INSTALLED IN EMPTY RACEWAYS. PULL WIRE SHALL BE 200 POUND TEST NYLON, BOTH ENDS SHALL BE IDENTIFIED BY MEANS OF LABELS OR TAGS, READING "PULL WIRE" AND GIVING THE ORIGINATION AND TERMINATION POINTS
- WHERE TELE/DATA OUTLETS ARE SHOWN, PROVIDE A SINGLE GANG BOX WITH BLANK PLATE AND ELECTRICAL/METALLIC TUBING UP TO CEILING SPACE
- RACEWAYS SHALL BE SUPPORTED TO COMPLY WITH NEC
- NO "THROUGH-WALL" BOXES SHALL BE PERMITTED. WHERE DRAWINGS INDICATE BOXES BACK-TO-BACK, OR SIMILAR LOCATIONS, SUCH BOXES SHALL BE INSTALLED SEPARATELY, SPACED MINIMUM SIZE INCHES APART HORIZONTALLY AND CONNECTED
- ALL CONDUITS AND FLEXIBLE METAL CONDUIT SHALL CONTAIN A GROUNDING CONDUCTOR CONDUITS ARE NOT TO BE USED AS A GROUNDING CONDUCTOR
- ALL RECEPTACLES, WALL SWITCHES AND OTHER WIRED DEVICES SHALL BE SPECIFICATION GRADE, COLOR AS SELECTED BY OWNER
- ALL FACE PLATES SHALL BE TYPE AND COLOR AS SELECTED BY OWNER
- ALL ELECTRICAL SHALL BE LABELED TO COMPLY WITH OSHA AND ANSI/ASME A13.1-2007 STANDARDS FOR THE IDENTIFICATION OF SYSTEMS, THE MARKINGS SHALL IDENTIFY THE PANEL DESIGNATION, VOLTAGE OF CONTENTS, AND SOURCE. ALL EQUIPMENT SHALL BE IDENTIFIED USING PHENOLIC NAMEPLATES AND LABELED IN ACCORDANCE WITH THE NOMENCLATURE USED ON THE DRAWINGS AND MUST BE COMPATIBLE WITH THE MMS SYSTEM

☐ Main Lugs Only ☒ Main Breaker: **200**
Panel A.I.C. Rating: 10k

- CONTRACTOR SHALL PROVIDE AND INSTALL COMPONENTS AS CALLED OUT ON PLANS AND POWER DIAGRAMS. THE SYSTEM SHALL INCLUDE NAC POWER EXTENDER PANELS, FIRE ALARM PULL STATIONS, STROBES, COMBINATION HORN AND STROBE UNITS, REMOTE ANNUNCIATOR PANELS, CONDUIT, WIRING AND ALL OTHER EQUIPMENT NECESSARY FOR A COMPLETE AND OPERABLE FIRE ALARM SYSTEM
2. INSTALL ALL WIRING IN METAL CONDUIT. RACEWAY SYSTEM SHALL BE INSTALLED CONCEALED. IF NOT PRACTICABLE TO INSTALL CONCEALED CONDUIT, THEN INSTALL EXPOSED. ALL FIRE ALARM SYSTEM POWER LIMITED SIGNAL WIRING SHALL BE INSTALLED IN METAL CONDUIT(EMT,IMC, OR RIGID). ALL FIRE ALARM SYSTEM POWER LIMITED SIGNAL WIRING SHALL BE INSTALLED IN SEPARATE CONDUIT FROM AC POWER WIRING(INCLUDING AC POWER FEEDS TO FIRE ALARM SYSTEM AND BAS DEVICES
3. THE STROBE LOCATION SHALL BE AS REQUIRED PER NFPA 72, SECTION 6-4.4.2. THE STROBES IN CORRIDORS SHALL BE LOCATED NO MORE THAN 15 FEET FROM THE END OF THE CORRIDORS WITH A SEPARATION BETWEEN STROBES AS INDICATED ON DRAWINGS. VERIFY EXACT LOCATIONS OF STROBES AT SITE
4. FOR NEW FIRE ALARM SYSTEM COMPONENTS ALL WIRE SIZES, TYPES AND QUANTITIES SHALL BE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
5. SYMBOLS SHOWN ON THE SYMBOLS LIST MAY OR MAY NOT BE USED
6. THE FIRE ALARM SYSTEM RISER DIAGRAM SHOWN ON DRAWINGS IS GENERIC AND TYPICAL ONLY TO SHOW DESIGN INTENT AND MAY NOT INDICATE ALL FIRE ALARM DEVICES. THE CONTRACTOR SHALL REFER TO THE FLOOR PLANS FOR THE ACTUAL QUANTITIES AND LOCATIONS FOR ALL FIRE ALARM DEVICES REQUIRED FOR THIS PROJECT. THE MAXIMUM NUMBER OF STROBES AND HORN/ STROBES UNITS PER CIRCUIT SHALL BE AS RECOMMENDED BY MANUFACTURER. THE WIRE SIZES AND QUANTITIES SHALL ALSO BE AS RECOMMENDED BY THE MANUFACTURER
7. MOUNTING HEIGHTS OF FIRE ALARM DEVICES SHALL COMPLY WITH ADA REQUIREMENTS. THE FIRE ALARM PULL STATIONS SHALL BE MOUNTED MAXIMUM AT 48" AND MINIMUM AT 42" ABOVE FINISHED FLOOR. THE STROBE UNITS AND HORN/ STROBE COMBINATION UNITS SHALL BE MOUNTED AT 80" ABOVE FINISHED FLOOR OR 6" BELOW THE CEILING WHICH EVER IS LOWER
8. THE FLOOR PLANS DO NOT INDICATE THE EXACT LOCATION OF ANY DUCT SMOKE DETECTORS (IF REQUIRED), THE CONTRACTOR SHALL VERIFY AT SITE ALL DUCT LOCATIONS AND INSTALL THE DUCT SMOKE DETECTORS AS PER APPLICABLE CODES
9. FURNISH AND INSTALL DEVICES TO THE FIRE ALARM SYSTEM AS COVERED BY THESE SPECIFICATIONS AND DRAWINGS. WIRE AND CONNECT AND LEAVE IN A FIRST-CLASS OPERATING CONDITION. ALL EQUIPMENT SHALL BE APPROVED AND INSTALLED IN ACCORDANCE WITH THE UNDERWRITERS LABORATORIES, THE DEPARTMENT OF LABOR AND INDUSTRY, COMPLY WITH BUILDING AND ELECTRICAL CODES NFPA 72
10. FINAL CONNECTION BETWEEN EQUIPMENT AND WIRING DEVICES SHALL BE MADE UNDER DIRECT SUPERVISION OF A REPRESENTATIVE OF THE MANUFACTURER
11. CONTRACTOR SHALL GUARANTEE ALL EQUIPMENT AND WIRING FREE FROM INHERENT MECHANICAL AND ELECTRICAL DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE
12. IN ADDITION CONTRACTOR SHALL PROVIDE OWNER WITH ALL DOCUMENTATION, INSTRUCTIONS, HARDWARE AND SOFTWARE KEYS, AND ALL ITEMS REQUIRED TO PERMIT OWNER PROGRAMMING OF THE ADDITIONAL SYSTEM COMPONENTS. IF REQUIRED BY OWNER, CONTRACTOR SHALL PROVIDE TRAINING AS REQUIRED TO OWNER SELECTED PERSONNEL ON THE OPERATION AND PROGRAMMING ASPECTS OF THE SYSTEM
13. CONTRACTOR SHALL COORDINATE A SYSTEM TEST AS REQUIRED BY LOCAL FIRE MARSHALL CODES AND REQUIREMENTS. TEST SHALL INCLUDE A CONFIRMATION OF SIGNAL RECEIPT AT ALL REQUIRED MONITORING LOCATIONS. PROVIDE OWNER WITH ALL REQUIRED PROOFS OF TESTING.

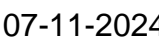
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DRAWING TITLE

E200