FIXTURE HW DISCHARGE TEMPERATURES MAXIMUM DISCHARGE PLUMBING FIXTURE REFERENCE STANDARD **TEMPERATURE** PUBLIC HAND-WASHING FACILITIES >85°F & <110°F ASSE 1070

NOTE: PROVIDE LISTED TEMPERING DEVICE FOR EACH FIXTURE PER TABLE.

INTERDISCIPLINARY COORDINATION NOTE:

IF THIS CONTRACTOR SHOULD ELECT TO PROPOSE ANY EQUIPMENT THAT HAS DIFFERENT PHYSICAL OR ELECTRICAL CHARACTERISTICS, ETC. WHEN COMPARED TO THE BASIS OF DESIGN EQUIPMENT, THIS CONTRACTOR IS RESPONSIBLE FOR COORDINATING THESE CHANGES WITH THE OTHER TRADES PRIOR TO ORDERING OF EQUIPMENT. IF THERE SHOULD BE ANY ADDITIONAL WORK INCURRED BY THE OTHER TRADES AS A RESULT OF THIS CONTRACTOR'S EQUIPMENT SELECTION, ALL COSTS ASSOCIATED WITH THE ADDITIONAL WORK SHALL BE BORNE BY THIS CONTRACTOR.

SFU NOTE:

- THE REHAB SHELTER ADDS 27.8 SFU'S TO THE DOMESTIC WATER SYSTEM.
- THE INDOOR RANGE ADDS 30.3 SFU'S TO THE DOMESTIC WATER SYSTEM.

DFU NOTE:

- THE REHAB SHELTER ADDS 13.5 DFU's TO THE SANITARY WASTE SYSTEM.
- THE INDOOR RANGE ADDS 15.0 DFU'S TO THE SANITARY WASTE SYSTEM.

ENERGY CODE COMPLIANCE PATH:

- ASHRAE 90.1
- **▼** 2018 NCECC CHAPTER 4 PRESCRIPTIVE
- 2018 NCECC CHAPTER 4 PERFORMANCE

WATER HAMMER ARRESTOR SCHEDULE REMARKS 12 - 32 SEE NOTES FIXTURE UNITS 1 - 11

1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

GENERAL NOTES

- 1. ALL PLUMBING VENTS IN EXTERIOR WALLS SHALL BE OFFSET A MINIMUM OF 3'-0" AT ROOF BEFORE ROOF PENETRATION.
- 2. ALL PLUMBING VENTS WITHIN A 10'-0" RADIUS OF ANY ROOF TOP UNIT SHALL BE EXTENDED TO A HEIGHT OF 3'-0" ABOVE THE FRESH AIR INTAKE.
- 3. ALL PLUMBING & PLUMBING MATERIALS SHALL MEET THE REQUIREMENTS OF LOCAL PLUMBING CODES AND THE 2018 NORTH CAROLINA STATE PLUMBING CODE.
- 4. SLOPES & INVERT ELEVATIONS OF ALL INTERIOR PIPING SHALL BE ESTABLISHED BEFORE ANY PIPING IS INSTALLED, IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED. ALL PIPING SHALL BE RUN TO AVOID CONFLICTS WITH OTHER TRADES.
- 5. COORDINATE WITH ARCHITECTURAL WORKING DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES.
- 6. MAKE PROPER HOT & COLD WATER, HOT WATER RECIRCULATING, WASTE, & VENT, ETC., PIPING CONNECTIONS TO ALL FIXTURES & EQUIPMENT EVEN THOUGH ALL BRANCHES, FITTINGS & CONNECTIONS ARE NOT SHOWN.
- 7. COORDINATE LOCATION OF ALL EQUIPMENT, FIXTURES & PIPING WITH STRUCTURAL & ALL OTHER TRADES. PIPING RUN AC SHALL BE RUN AS HIGH AS POSSIBLE.
- 8. ALL OPENINGS IN CEILINGS & PLENUM WALLS FOR PLUMBING PIPES SHALL BE SEALED AIR TIGHT.
- 9. SEE SITE PLAN FOR EXTENT OF ALL PIPING LEAVING & ENTERING BUILDING.
- 10. ALL HOT & COLD WATER PIPING INDICATED TO RUN ABOVE FINISHED CEILINGS OR IN EXTERIOR WALLS SHALL BE INSTALLED ON THE CONDITIONED SPACE SIDE OF THE BUILDING INSULATION.
- 11. SLOPES & INVERT ELEVATIONS OF EXTERIOR SEWERS, MANHOLES, ETC., SHALL BE ESTABLISHED & VERIFIED BY PLUMBING CONTRACTOR BEFORE ANY PIPING IS INSTALLED IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED & NECESSARY INVERT ELEVATIONS OBTAINED.
- 12. PROVIDE ASSE 1072 TRAP SEAL FOR ALL FLOOR DRAINS.
- 13. IT IS THE INTENTION OF THESE DRAWINGS TO COVER ALL WORK & MATERIAL FOR A COMPLETE FIRST CLASS INSTALLATION. ANY EQUIPMENT, PLUMBING FIXTURE, TRIM HARDWARE &/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE ARCHITECT) SHALL BE FURNISHED & INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.
- 14. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT, PIPING, FIXTURES, ETC.
- 15. SEAL AROUND ALL WALL PENETRATIONS AIR TIGHT AT MECHANICAL ROOM, & FILL ANY VOIDS WITH MORTAR.
- 16. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS & ALL APPLICABLE LISTING REQUIREMENTS.

LEGENDS & ABBREVIATIONS

	DOMESTIC COLD WATER (CW)	AC	ABOVE CEILING
	DOMESTIC HOT WATER (HW)	ADA	AMERICANS WITH
	SANITARY WASTE PIPE (WP)		DISABILITIES ACT COMPLIANT
	SANITARY VENT PIPE (VP)	AFF	ABOVE FINISHED FLOOR
	PIPE SLEEVE	ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERING
	SMOKE PARTITION	BF	BELOW FLOOR
	1 HOUR FIRE RATED PARTITION	BFF	BELOW FINISH FLOOR
	1 HOUR FIRE & SMOKE RATED PARTITION	BG	BELOW GRADE
	2 HOUR FIRE RATED PARTITION	DFU	DRAINAGE FIXTURE UNIT
	2 HOUR FIRE & SMOKE RATED PARTITION	ET	EXPANSION TANK
0	PIPE TURN UP	F	FAHRENHEIT
G	PIPE TURN DOWN (DN)	FT	FEET
<u> </u>	PIPE CAPPED	GAL	GALLON
	CLEAN OUT (CO)	GPH	GALLONS PER HOUR
H)	WALL CLEAN OUT (WCO)	GPM	GALLONS PER MINUTE
	REDUCED PRESSURE	HP	HORSE POWER
	BACKFLOW PREVENTER (RPBP)	INV	INVERT
	DUAL CHECK BACKFLOW PREVENTER (DCBP)	KW	KILOWATTS
×	BALANCING VALVE (BV)	MAX	MAXIMUM
D	BALL VALVE	MIN	MINIMUM
ā	CHECK VALVE (CV)	<u>P-#</u>	PLUMBING FIXTURE MARK
	OTDAINED	SFU	SUPPLY FIXTURE UNIT
- ₩	STRAINER	TEMP	TEMPERATURE
⊙	FLOOR CLEAN OUT (FCO) GROUND CLEAN OUT (GCO)	TG	TRAP GUARD DEVICE
©	FLOOR DRAIN (FD)	TYP	TYPICAL
	FLOOR SINK (FS)	UC	UNDER COUNTER
	ACCESS PANEL (AP)	UL	UNDERWRITERS LABORATORY
71,	VENT THROUGH ROOF (VTR)	W/	WITH
۱۲		<u>WH-#</u>	WATER HEATER MARK
	NEW WORK NOTE DESIGNATION	WHA-X	WATER HAMMER ARRESTOR - SIZE
		WS	WASTE STACK
	- DETAIL/RISER/ENLARGED PLAN	o	DEGREE
	- SHEET WHERE SHOWN/CUT	Ø	PHASE/DIAMETER

			ELEC	TRIC	WATE	R HEAT	ER S	CHED	ULE			
				RECO	VERY	ELEC	CTRICAL DATA	4	EXPANSI	ON TANK		
			STORAGE	(GPH)					TOTAL	ACCEPTANCE		
TAG	TYPE	LOCATION	(GAL)	80°F	100°F	KILOWATTS	VOLTS	PHASE	VOLUME (GAL)	VOLUME (GAL)	MOUNTING	REMARKS
WH-1	TANK	INDOOR RANGE RM 104	20	15	12	3	208	1	0.47	0.2	WALL	SEE NOTES

WH-2R1 / WH-2R2

1. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

REHAB SHELTER

RM 102

BACKFLOW PREVENTER SCHEDULE												
HAZARD DESCRIPTION	HAZARD	DEVICE REQUIRED	DEVICE LISTING									
DOMESTIC WATER SERVICE HIGH HAZARD	HIGH	REDUCED PRESSURE PRINCIPLE BACFKLOW PREVENTER	ASSE 1013									
BIN STYLE ICE MAKER	LOW	DUAL CHECK VALVE ASSY	ASSE 1024									
MOP SINK FAUCET	HIGH	HOSE CONNECTION VACUUM BREAKER	ASSE 1011									

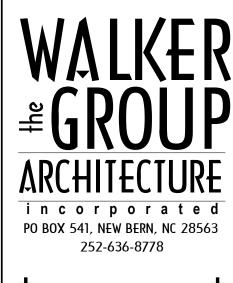
240

0.47

0.2

WALL

SEE NOTES

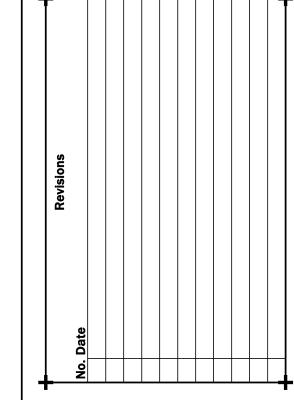


WORTH CAROL! SEAL

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BID DOCUMENTS SCO # 24-27879-01A



Project Number

2407.SAFE **ADB**

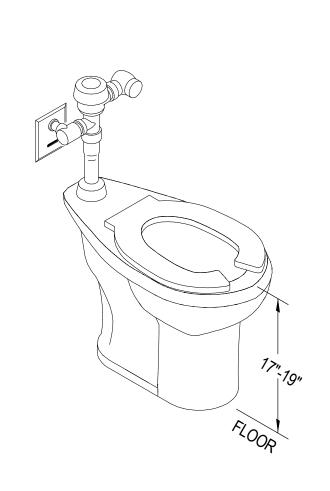
AS NOTED Drawing Title

LEGEND, NOTES **ABBREVIATIONS**

07/28/25

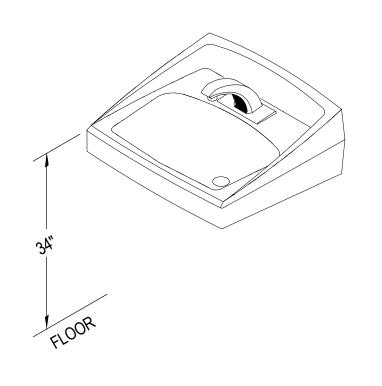
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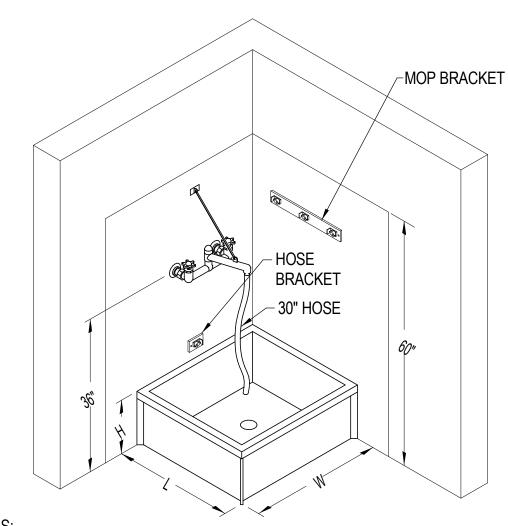
SPECIFICATIONS:

- 1. VITREOUS CHINA ADA COMPLIANT FLOOR MOUNTED FLUSH VALVE WATER CLOSET WITH FULLY GLAZED 2-1/8" TRAPWAY, ELONGATED SIPHON JET BOWL, 1.28 GALLONS PER FLUSH. FLUSH HANDLE LOCATED ON WIDE SIDE OF ROOM.
- 2. CHROME PLATED CAST BRASS EXPOSED ADA COMPLIANT SENSOR OPERATED, HARD WIRED FLUSH VALVE WITH ADJUSTABLE TAILPIECE, TRANSFORMER, SCREWDRIVER ANGLE STOP, & VANDAL RESISTANT STOP CAP. MATERIALS SHALL BE CHLORAMINE RESISTANT.
- B. WHITE SOLID PLASTIC OPEN FRONT ELONGATED SEAT WITH EXTERNAL CHECK HINGES, INTEGRAL BUMPERS, LESS COVER.



SPECIFICATIONS:

- 1. VITREOUS CHINA ADA COMPLIANT WALL MOUNTED LAVATORY WITH FRONT OVERFLOW & FAUCET HOLES ON 4" CENTERS & SELF DRAINING DECK.
- 2. CHROME PLATED SOLID BRASS HARD WIRED ELECTRONIC FAUCET WITH PROXIMITY OPERATION SENSORS, POLISH CHROME PLATED FINISH, CERAMIC VALVE, 0.5 GPM VANDAL RESISTANT AERATOR, INTEGRATED STRAINER TO PROTECT SOLENOID VALVE & AERATOR, LESS POP-UP. BELOW DECK THERMOSTATIC MIXING VALVE SET AT 110°F MAX (ASSE 1070). & TRANSFORMER.
- 3. CHROME FINISH CAST BRASS LOOSE KEY ANGLE STOPS WITH CHROME FINISH RIGID SUPPLY RISERS. OFFSET GRID STRAINER AND ADJUSTABLE 'P'-TRAP WITH ANSI AND ADA APPROVED, VINYL MOLDED INSULATION WITH NYLON FASTENER KITS, PAINTED AS DIRECTED BY THE ARCHITECT.
- 4. CONCEALED FLOOR MOUNT SUPPORT. WALL BRACKETS SHALL NOT BE USED.



SPECIFICATIONS

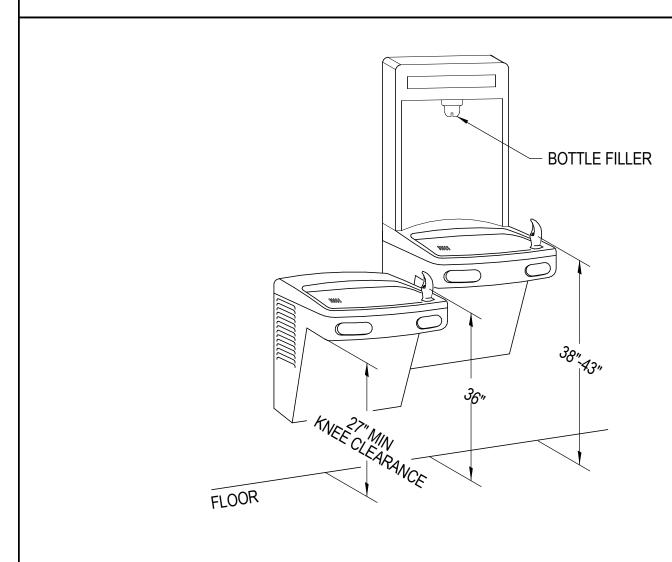
- 1. MOP BASIN SHALL BE 24"Wx24"Lx10"H SINGLE PIECE MOLDED STONE.
- 2. FAUCET SHALL BE EXPOSED YOKE WALL MOUNT UTILITY FAUCET WITH CAST BRASS BODY, 1/4 TURN CERAMIC VALVE CARTRIDGES, INTEGRAL VACUUM BREAKER & WALL BRACE. PROVIDE WITH OFFSET SHANKS WITH INTEGRAL STOPS.
- 3. MOUNT FAUCET 36" AFF.
- 4. PROVIDE WALL MOUNTED MOP BRACKET, STAINLESS STEEL STRAINER, QUICK DRAIN CONNECTIONS, 30" HOSE & HOSE BRACKET.
- 5. FRP SHALL EXTEND 2'-0" PAST EDGE OFF FIXTURE.

MARK	DESCRIPTION	TRAP		PIPE SIZES			MOUNTING	MARK	DECODIDATION	TRAP	PIPE SIZES			MOLINTING	MVDK	DESCRIPTION	TRAP	PIPE SIZES				MOLINITING	
IVIARK	DESCRIFTION	IRAF	HW	CW	WP	VP	MOUNTING	IVIARK	DESCRIPTION	ITVAF	HW	CW	WP	VP	MOUNTING	WARK	DESCRIPTION	IRAF	HW	CW	WP	VP	MOUNTING
<u>P-1</u>	ADA - FLUSH VALVE WATER CLOSET	INTEGRAL	-	1"	4"	2"	FLOOR	<u>P-2</u>	ADA - WALL MOUNTED LAVATORY	'P'-TRAP	1/2"	1/2"	2"	1-1/2"	WALL MOUNTED	<u>P-3</u>	FLOOR MOUNTED MOP BASIN	'P'-TRAP	1/2"	1/2"	3"	1-1/2"	FLOOR

ADA - WATER CLOSET

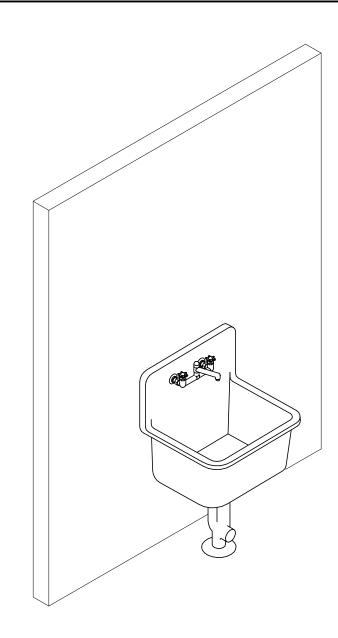
ADA - WALL MOUNTED LAVATORY

MOP BASIN



SPECIFICATIONS

- 1. DUAL BASIN UNIT SHALL DELIVER 8.0 GPH OF 50°F WATER @ 90°F AMBIENT TEMPERATURE. TO INCLUDE AUTOMATIC BOTTLE FILLER SENSOR, FRONT AND SIDE PUSH PADS ACTIVATED BUBBLER. UNIT SHALL BE POWDER COATED GALVANIZED STEEL.
- 2. CHROME FINISH CAST BRASS LOOSE KEY ANGLE STOPS WITH CHROME FINISH RIGID SUPPLY RISERS. GRID STRAINER & ADJUSTABLE 'P'-TRAP.
- 3. MOUNT PER MANUFACTURERS INSTRUCTIONS FOR ADA COMPLIANCE.
- 4. OUTDOOR DUAL BASIN UNIT SHALL BE PROVIDED WITH 8" HOUSING WITHIN BUILDING INTERIOR TO PREVENT FREEZING OF WATER SUPPLY LINE AND CONNECTIONS.



SPECIFICATIONS:

- 1. SERVICE SINK SHALL BE ENAMELED CAST IRON WITH STAINLESS STEEL RIM GUARD & DRILLED BACK FOR FAUCET.
- 2. EXPOSED YOKE, WALL MOUNT UTILITY FAUCET SHALL BE CAST BRASS BODY & SPOUT WITH BUCKET HOOK, METAL LEVER HANDLES WITH VACUUM BREAKER, STOP VALVES IN SHANKS, 1/4 TURN WASHERLESS CERAMIC DISC VALVE CARTRIDGES.
- 3. PROVIDE WHITE ENAMELED STANDARD TYPE CAST IRON TRAP.

MARK	DESCRIPTION	TRAP	PIPE SIZES MOU					UNTING MARK	DESCRIPTION	TRAP		MOUNTING				
VIARN	DESCRIPTION	TIVAF	HW	CW	WP	VP	MOUNTING	IVIARK	DESCRIPTION	IRAF	HW	CW	WP	VP	MOUNTING	
<u>P-4</u>	ADA - DUAL BASIN ELECTRIC WATER COOLER	'P'-TRAP	-	1/2"	1-1/2"	1-1/2"	WALL MOUNTED	<u>P-5</u>	WALL MOUNTED SERVICE SINK	STANDARD	1/2"	1/2"	3"	1-1/2"	WALL	
ADA - DUAL BASIN WATER COOLER									SE	ERVICE	SINI	K				

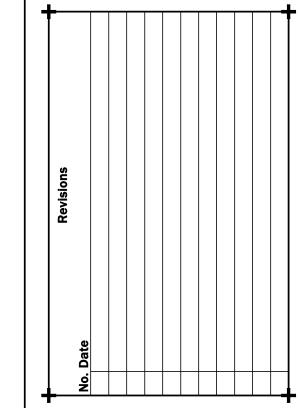


PO BOX 541, NEW BERN, NC 28563 252-636-8778 TH CAROLL SEAL 058819 058819 07/28/25 WGINEER NOTHY N. HAMINING

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BID DOCUMENTS SCO # 24-27879-01A



Project Number 2407.SAFE

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Scale
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Drawing Title

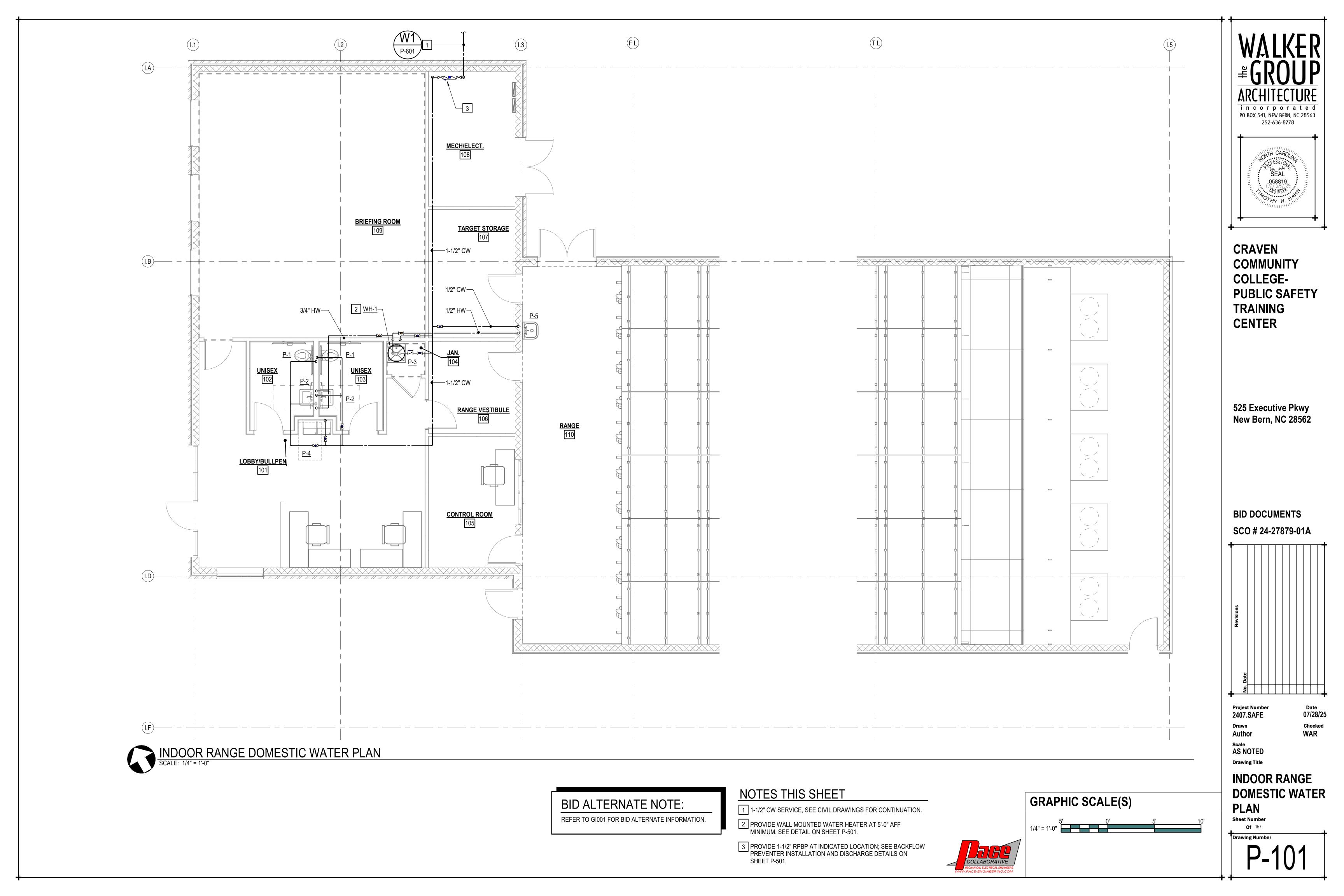
FIXTURE PLATES

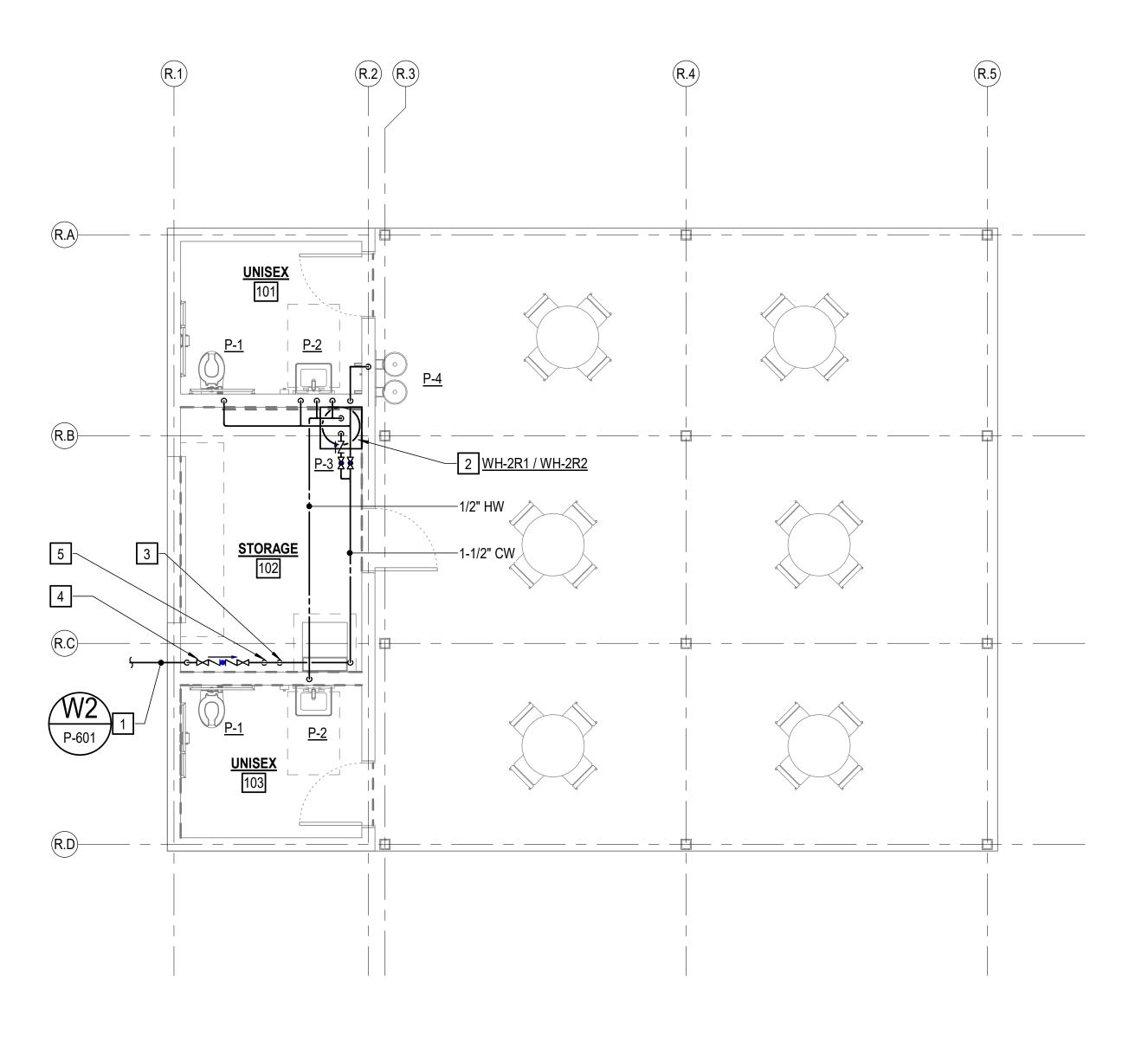
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Page 1



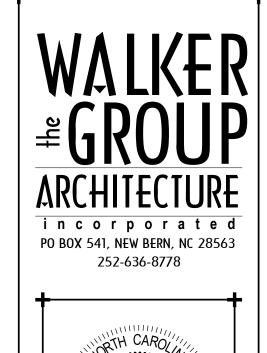






NOTES THIS SHEET

- 1 1-1/2" CW SERVICE, SEE CIVIL DRAWINGS FOR CONTINUATION.
- 2 PROVIDE WALL MOUNTED WATER HEATER AT 5'-0" AFF MINIMUM. SEE DETAIL ON SHEET P-501.
- ROUTE 1/2" CW DOWN TO ICE MAKER, SEE DETAIL ON SHEET P-501.
- 4 PROVIDE 1-1/2" RPBP AT INDICATED LOCATION; SEE BACKFLOW PREVENTER INSTALLATION AND DISCHARGE DETAILS ON SHEET P-501.
- 5 PROVIDE 1-1/2" CW SUPPLY WITH ISOLATION VALVE TO SERVE ADJACENT BATHROOM GROUP. SEE RISER DIAGRAM



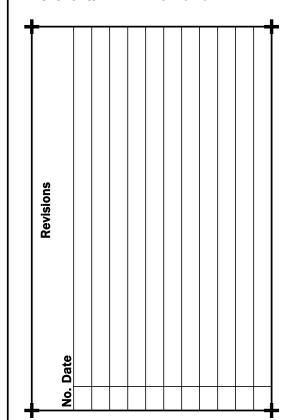
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Drawing Title

REHAB SHELTER DOMESTIC WATER

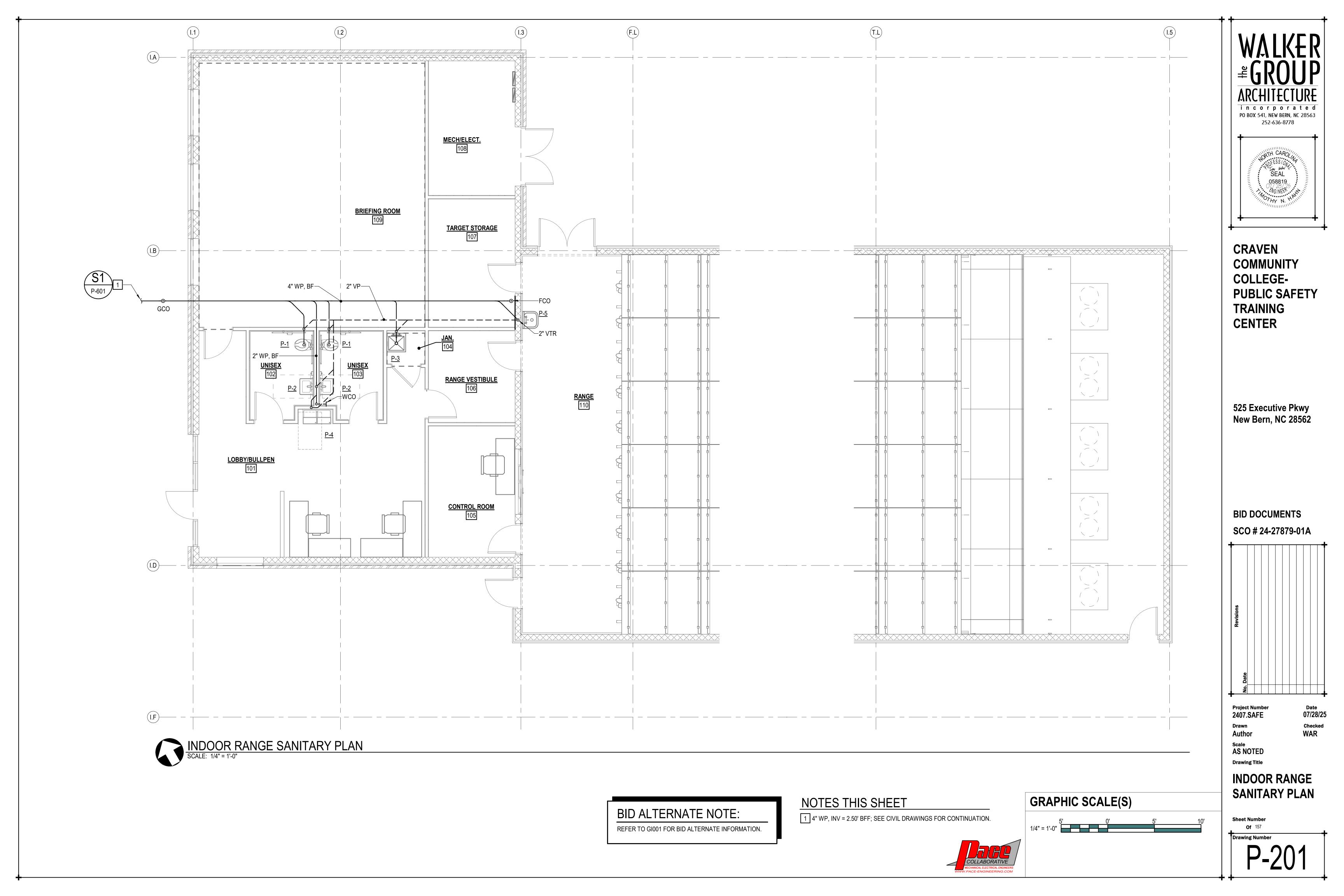
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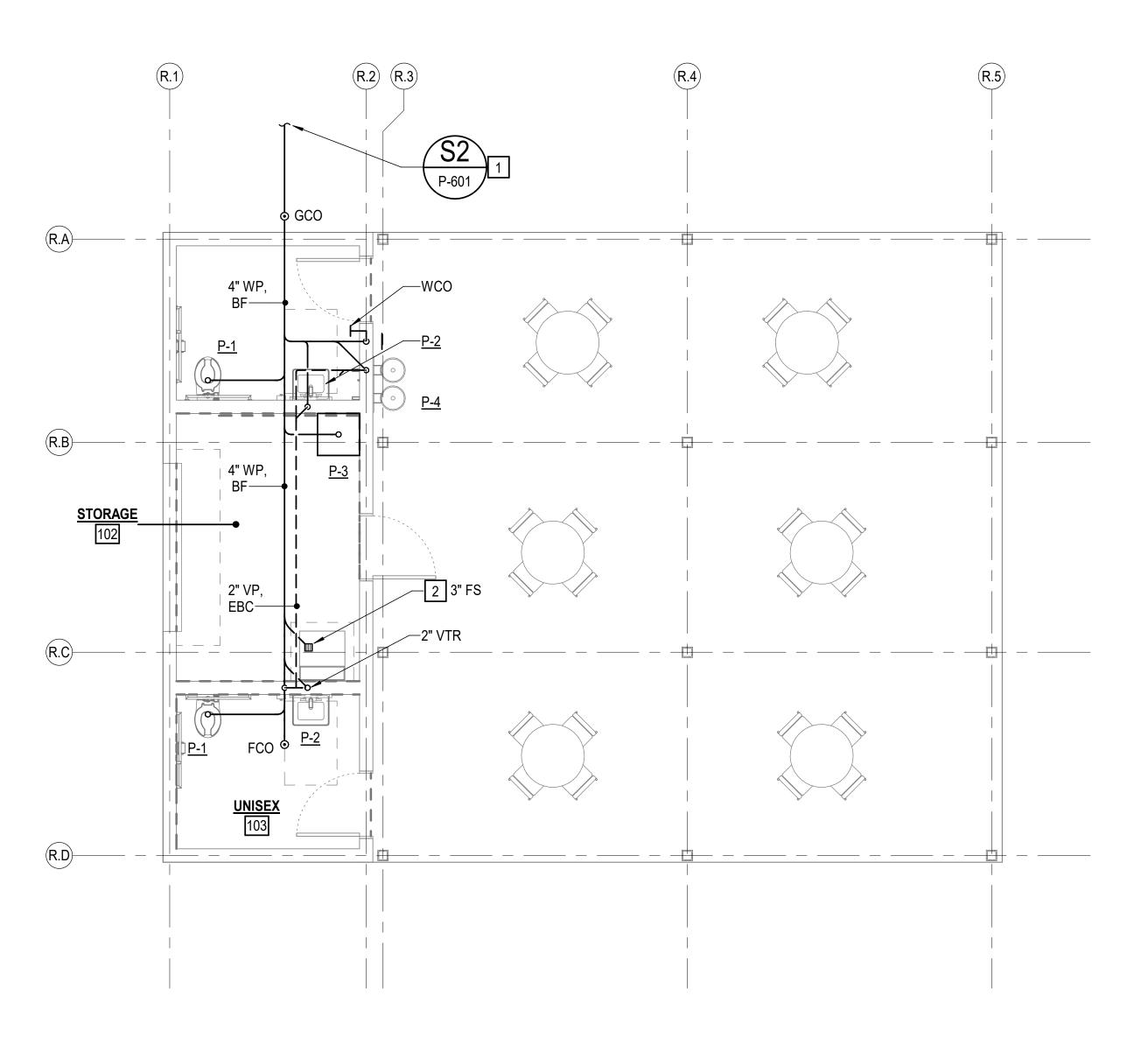
PLAN
Sheet Number



BID ALTERNATE NOTE: REFER TO GI001 FOR BID ALTERNATE INFORMATION.

GRAPHIC SCALE(S) 1/4" = 1'-0"







NOTES THIS SHEET

1 4" WP, INV ELEV = 2.00 BFF; SEE CIVIL DRAWINGS FOR CONTINUATION.

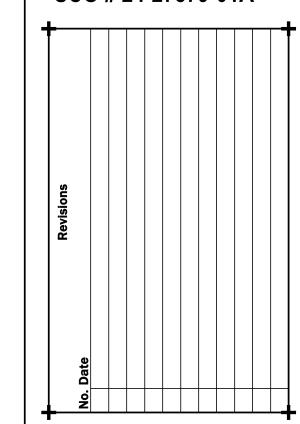
2 ROUTE DRAIN FROM ICE MAKER TO ADJACENT FLOOR SINK.



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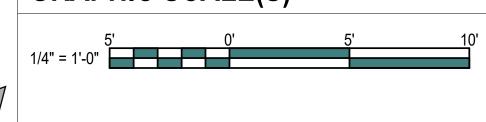
REHAB SHELTER SANITARY PLAN

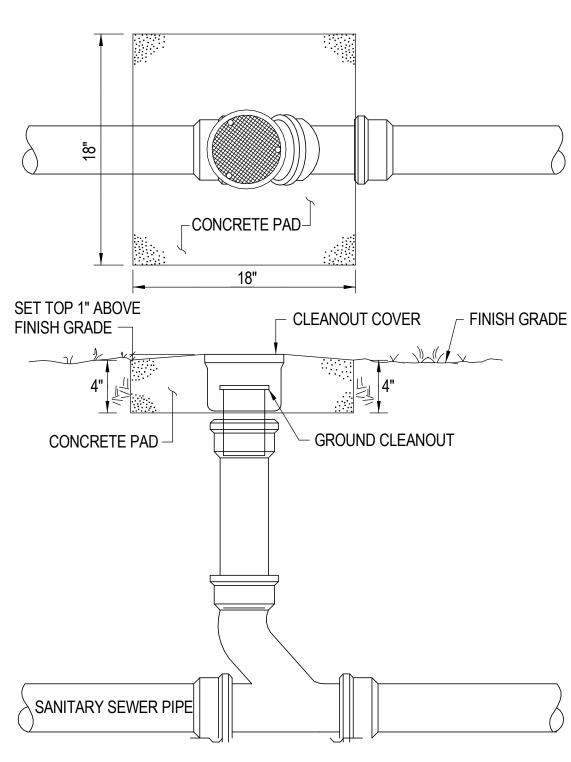
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BID ALTERNATE NOTE:

REFER TO GI001 FOR BID ALTERNATE INFORMATION.

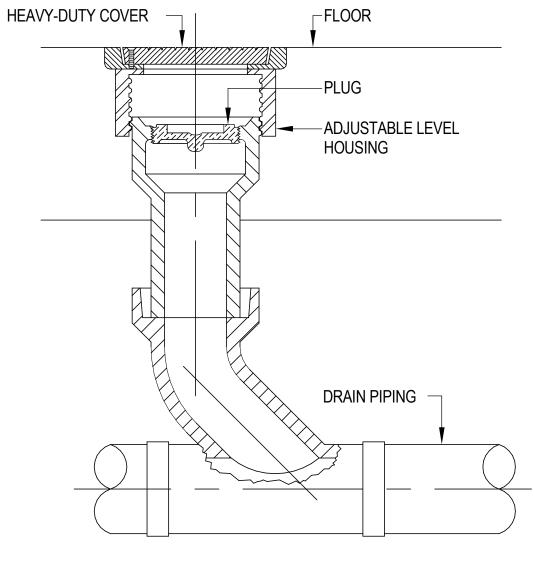




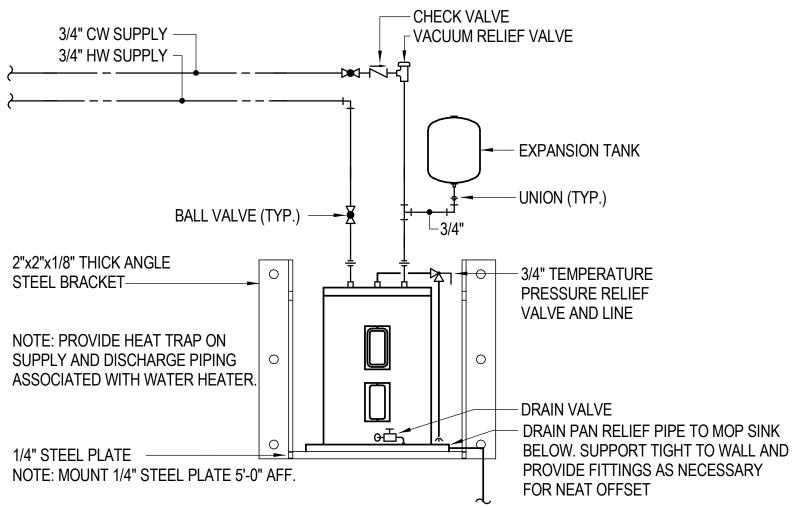


GRADE CLEANOUT DETAIL

NO SCA



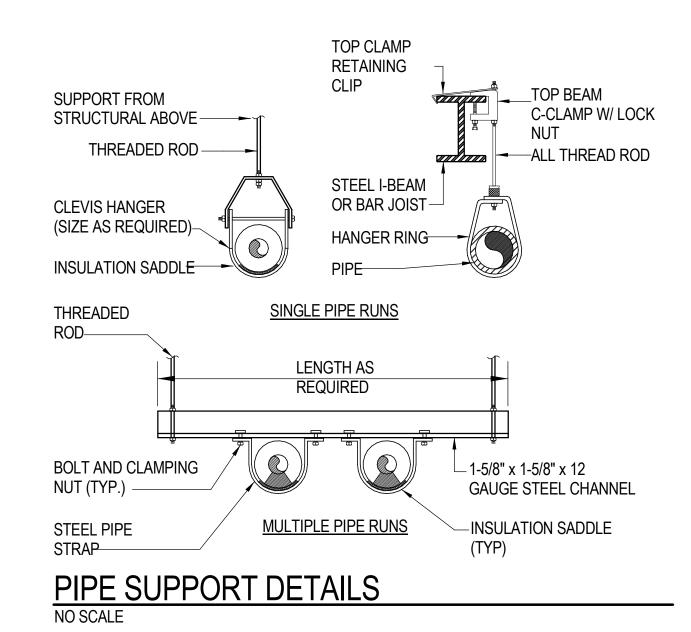


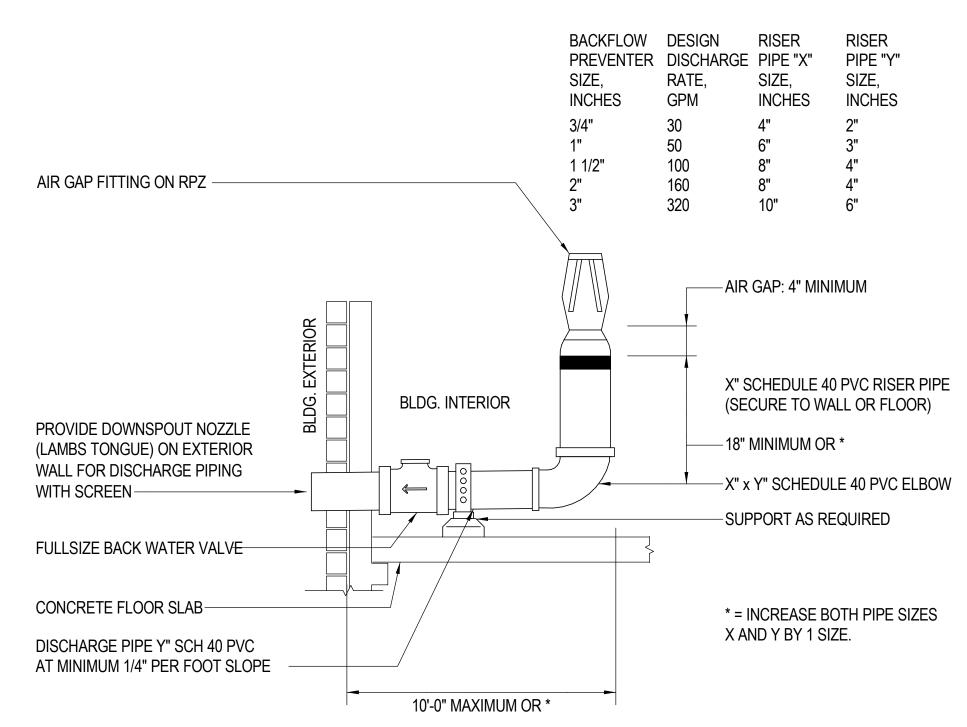


WALL MOUNTED WATER HEATER DETAIL

ICE MAKER FILTER STRAINER
STAINLESS STEEL
BACKFLOW PREVENTER

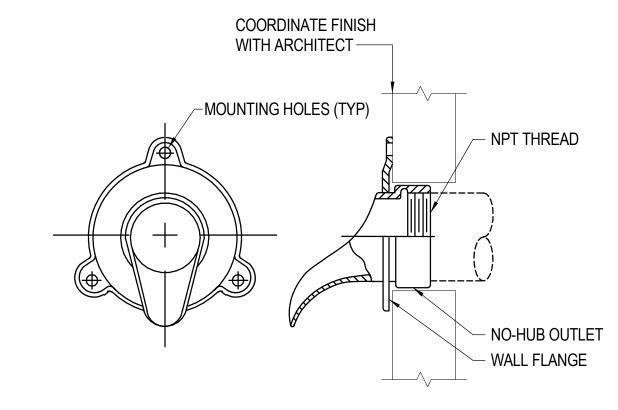
ICE MAKER PIPING DETAIL NO SCALE





BACKFLOW PREVENTER DISCHARGE DETAIL

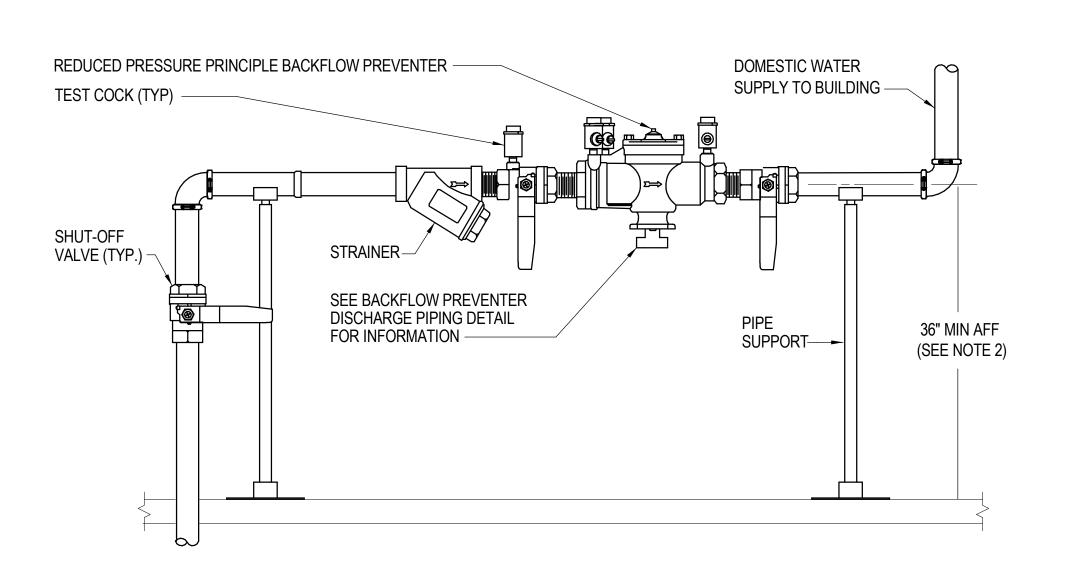
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DETAIL BASED ON "JAY R. SMITH", MODEL 1771 INSTALL PER MANUFACTURER'S INSTRUCTIONS

DOWNSPOUT NOZZLE DETAIL

NO SCALE



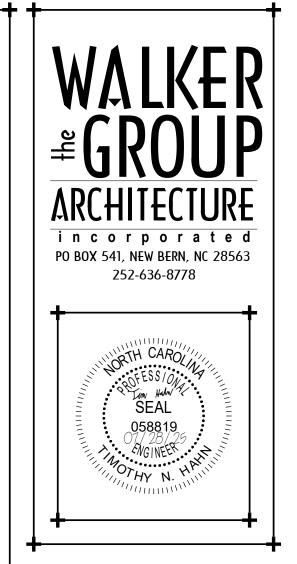
NOTES:

- 1. NO DEVICES OR BRANCH LINES, ETC. SHALL BE INSTALLED BETWEEN BACKFLOW PREVENTER ASSEMBLY AND THE MAIN WATER LINE PROVIDE ISOLATION VALVE AND STRAINER.
- 2. VERIFY DISCHARGE PIPE LENGTH AND SLOPE BEFORE COORDINATING FINAL BACKFLOW PREVENTER HEIGHT TO ENSURE PROPER FIT OF ALL COMPONENTS. PER SECTION 608.15 OF THE 2021 VPC, MOUNTING HEIGHT SHALL BE BETWEEN 12" AND 60" ABOVE GRADE, IF MANUFACTURER'S LISTED INSTALLATION HEIGHT CONFLICTS WITH THIS REQUIREMENT, THE MANUFACTURER'S LISTED HEIGHT SHALL APPLY.

BACKFLOW PREVENTER INSTALLATION DETAIL

NO SCALE

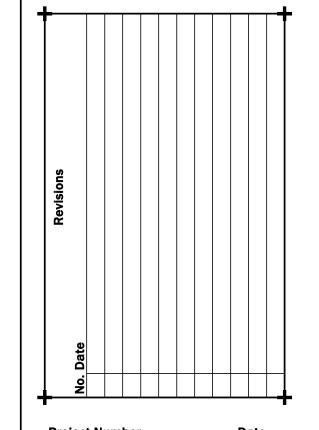




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WAR

Project Number 2407.SAFE Drawn ADB

ADB
Scale
AS NOTED

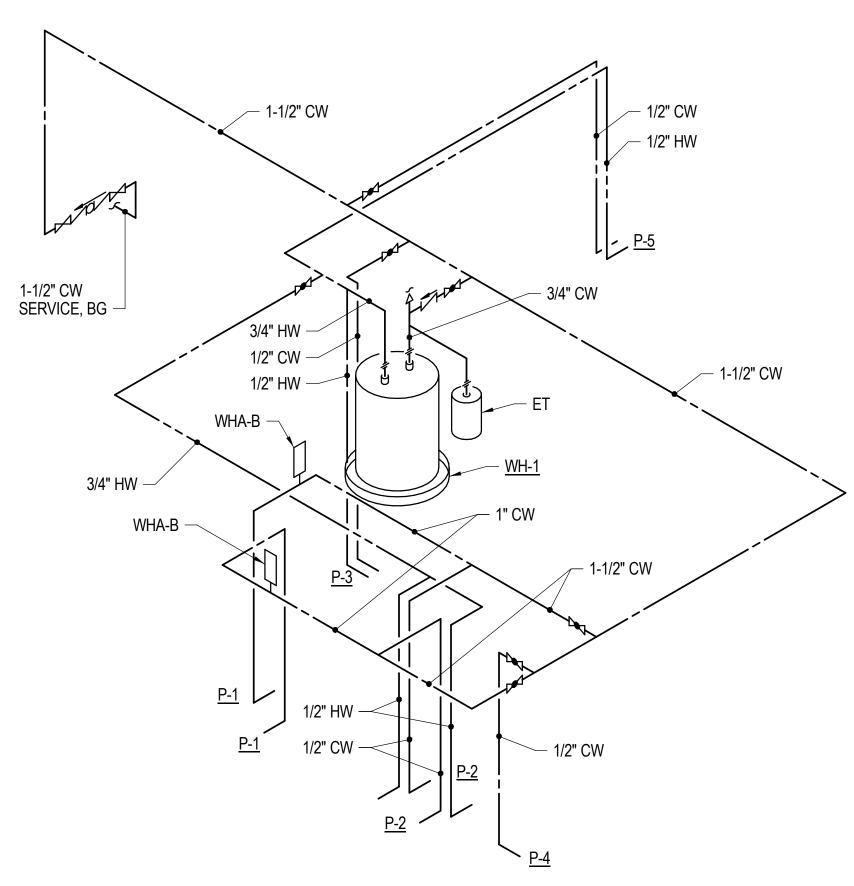
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DETAILS

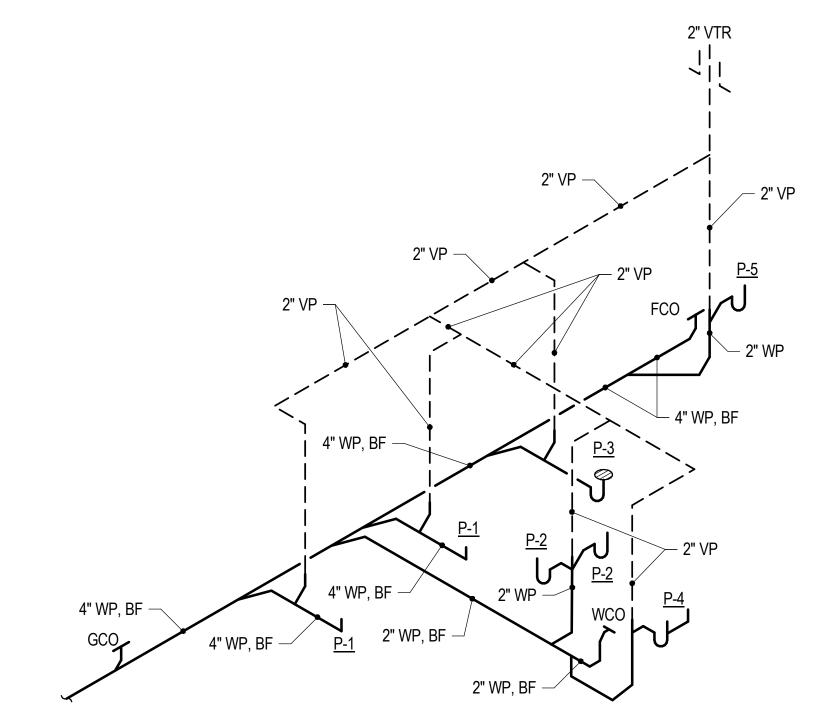
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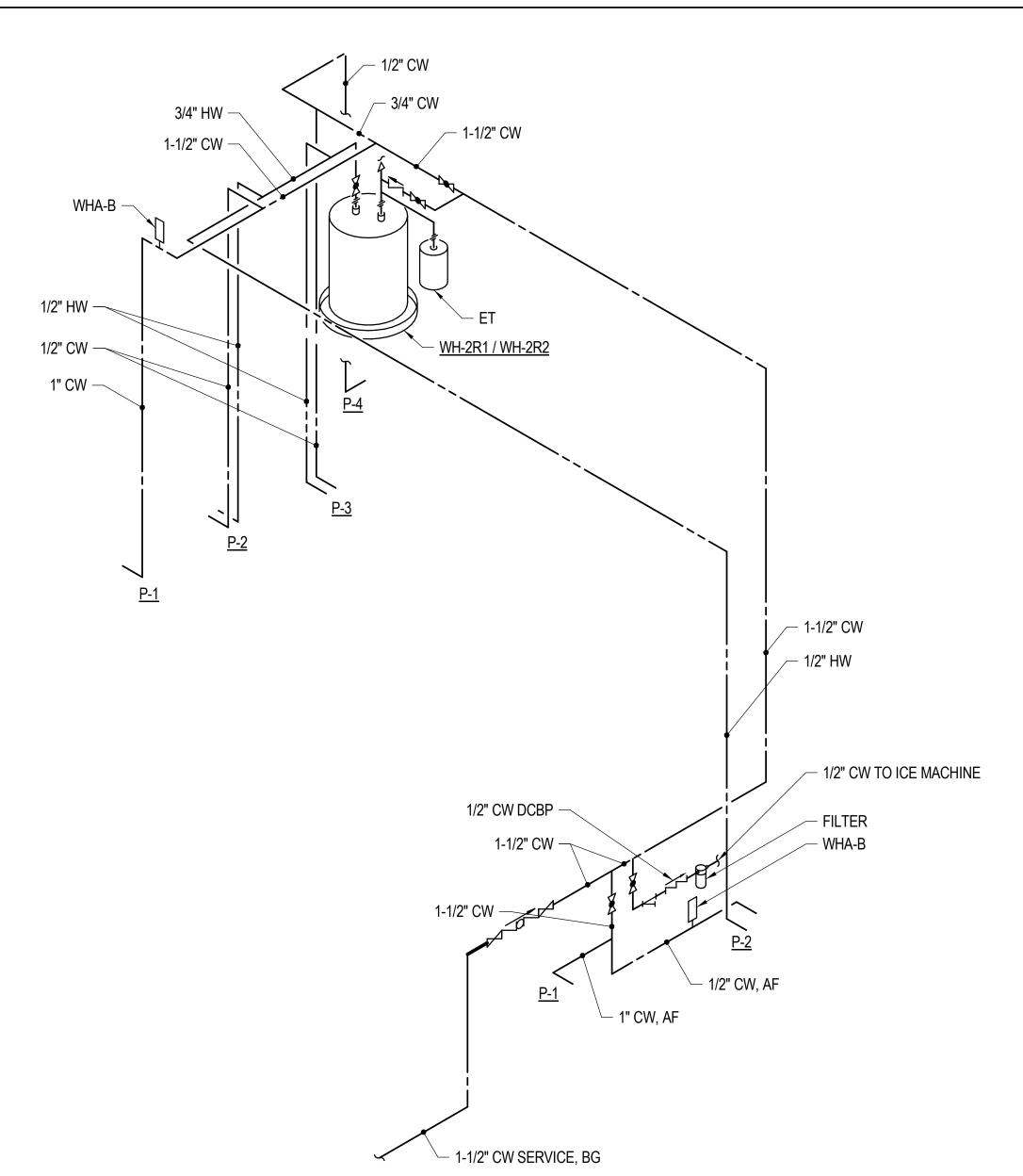
P-50



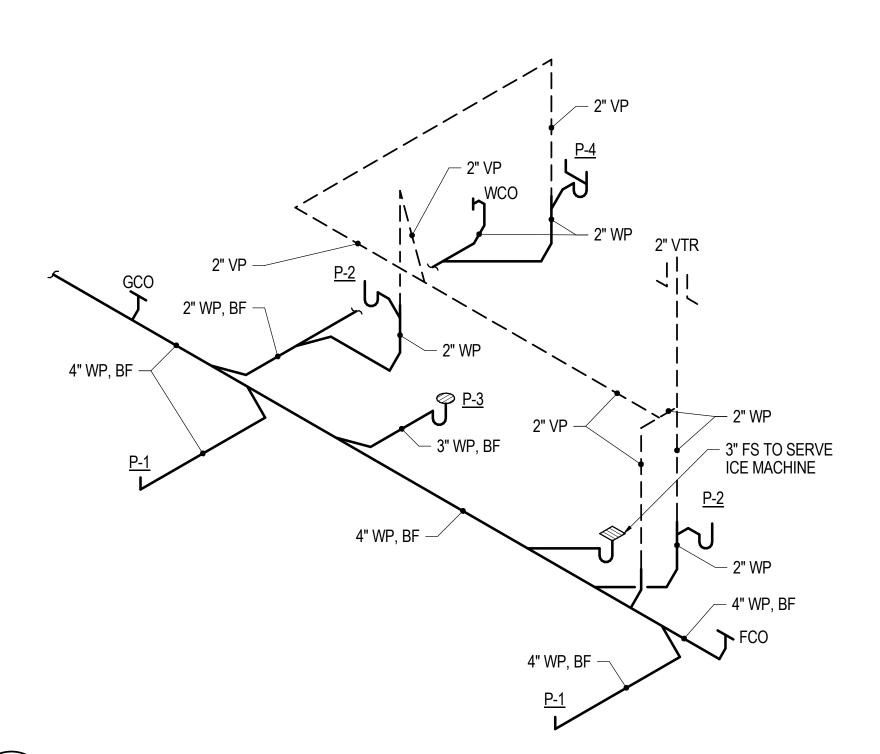
W1 INDOOR RANGE DOMESTIC WATER RISER DIAGRAM
P-101 NO SCALE



S1 INDOOR RANGE SANITARY RISER DIAGRAM
P-201 NO SCALE



W2 REHAB SHELTER DOMESTIC WATER RISER DIAGRAM
P-102 NO SCALE



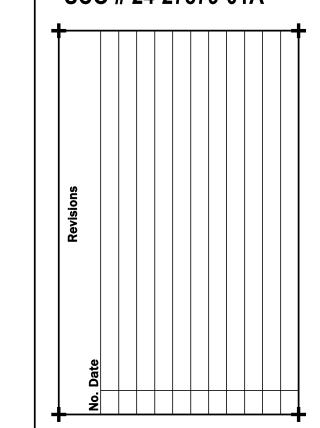
S2 REHAB SHELTER SANITARY RISER DIAGRAM
P-202 NO SCALE



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Project Number 2407.SAFE

Drawn Author

Scale
AS NOTED
Drawing Title

RISER DIAGRAM

Date 07/28/25

Sheet Number Of 157

P-601