	ABBRI	EVIATIONS		PIPING LEGEND
AC		HVAC	HEATING, VENTILATION, AIR COND.	
	AIR CONDITIONING UNIT AREA DRAIN	HP HRWH	HORSE POWER HEAT RECLAIM WATER HEATER	
AFC	ABOVE FINISH CEILING	HS	HOSE STATION	NEW CONSTRUCTION EXISTING CW DOMESTIC COLD WATER
	ABOVE FINISH FLOOR	HW	HOT WATER	HW HW HOT WATER 120°F
AFG AHJ	ABOVE FINISHED GRADE AUTHORITY HAVING JURISDICTIC	HWG N HWR	HOT WATER GENERATOR HOT WATER RETURN	HWR HWR HOT WATER 120°F RECIRC.
APPROX	APPROXIMATE	HWST	HOT WATER STORAGE TANK	G G NATURAL GAS
ARCH ARD	ARCHITECT/ARCHITECTURAL AUXILIARY ROOF DRAIN	ID KW	INSIDE DIAMETER/DIMENSION KILOWATTS	CD CONDENSATE DRAIN
	BELOW FINISH FLOOR	KW LV	LAVATORY	SPD PUMP DISCHARGE
BLDG	BUILDING	LF	LINEAR FEET	SS SANITARY SEWER
-	BRITISH THERMAL UNITS	LPG	LIQUID PETROLEUM GAS	V SANITARY VENT
-	BRITISH THERMAL UNITS/HOUR CAPACITY	LWT MAX	LEAVING WATER TEMPERATURE MAXIMUM	SD STORM DRAIN
CB	CATCH BASIN	MBH	THOUSAND BTU/PER HOUR	
CD	CONDENSATE DRAIN	MECH	MECHANICAL	PRESSURE PIPE SYMBOLS
	CUBIC FEET/HOUR CUBIC FEET/MINUTE	MDL MFR	MODEL MANUFACTURER	PIPE TEE
-	CAST IRON	MH	MANHOLE	
	CEILING	MIN	MINIMUM	
	CLEAN OUT COLUMN	MISC MTD	MISCELLANEOUS MOUNTED	
CONC	CONCRETE	NA	NOT APPLICABLE	
	CONNECT	NFPA	NATIONAL FIRE PROTECTION ASSO.	GRAVITY PIPE SYMBOLS
		NTS		PIPE RISE
	CONTINUE CLEAN OUT TO GRADE	OA OD	OUTSIDE AIR OUTSIDE DIAMETER/DIMENSION	PIPE CAP PIPE WYE 8TH TEE
СР	CIRCULATING PUMP	PD	PRESSURE DROP	
-	CONDENSATE RETURN	PLBG	PLUMBING	PIPE DROP
CW DCOTG	COLD WATER DOUBLE CLEANOUT TO GRADE	PRESS PRV	PRESSURE PRESSURE REDUCING VALVE	PIPE CROSS
DD	DESICCANT DEHUMIDIFIER	PSI	POUNDS PER SQUARE INCH	
()	DEGREE	RA	RETURN AIR	PLUMBING TAGS
	DEMOLITION DRINKING FOUNTAIN	RD REF	ROOF DRAIN REFERENCE	PIPE TAG
	DOWN SPOUT	REQD	REQUIRED	APPROX. INVERT ELEVATION
DIA	DIAMETER	REV	REVISION, REVISED	INVERT: -3' - 5"
	DETAIL DOMESTIC WATER HEATER (G) G	RM AS RPM	ROOM REVOLUTIONS PER MINUTE	6" SS (10 FU) SIZE, SYSTEM, FU FLOW
	(E) ELECTRIC	RPZ	REDUCED PRESSURE ZONE	SYSTEM ABBREVIATION
ÈFF	ÈFFICIENT	SCH	SCHEDULE	
	ELEVATION ELECTRICAL	SECT SK	SECTION SINK	<u>FIXTURE TAG</u>
-	EQUAL	SP	SINK STATIC PRESSURE	4" FS-9 - OUTLET SZE AND FIXTURE
EQUIP	EQUIPMENT	SPEC	SPECIFICATION(S)	IDENTITY
	ENTERING WATER TEMPERATUR		SANITARY SEWER	FIXTURE IDENTITY
,	EXISTING EXPANSION	ST SUCT	STEAM SUCTION	
	FLOOR CLEANOUT	TEMP	TEMPERATURE	3 CWFU
	FLOOR DRAIN	TDH	TOTAL DYNAMIC HEAD	WSB-1
	FLOW LINE FLEXIBLE CONNECTION	TH TWMV	TOTAL HEAD THREE WAY MODULATING VALVE	3 WFU IDENTITY AND WFU FIXTURE
	FLOOR SINK	TMV	THERMOSTATIC MIXING VALVE	
	FLOOR	TYP	TYPICAL	PIPE ACCESSORIES
	FEET PER MINUTE FREEZE PROOF WALL HYDRANT	UL UR	UNDERWRITERS LABORATORY URINAL	3-WAY MOTORIZED CONTROL VALVE
	FREEZE PROOF ROOF HYDRANT		VENT	3-WAY MIXING VALVE
G	GAS	VLV	VALVE	
GA GAL	GAUGE GALLON	VERT VTR	VERTICAL VENT THROUGH ROOF	BALL VALVE
	GALVANIZED	VOL	VOLUME	BUTTERFLY VALVE
GI	GREASE INTERCEPTOR	WC	WATER CLOSET	CHECK VALVE
	GALLONS PER HOUR GALLONS PER MINUTE	WCO WF	WALL CLEANOUT WATER FILTER	ELBOW VALVE
GT	GREASE TRAP	WH	WATER HEATER	
	HOSE BIBB	WM	WATER METER	
	HEIGHT HEATING	WTR WP	WATER WORKING PRESSURE	
		WT	WEIGHT	
	GENERAL PI	UMBING S	YMBOLS	
	~			STRAINER-WYE
			ER SHOWN ON PLANS	VALVE
			EW CONNECTS TO	
	EXIST	ING		PLUMBING PHASING
	DEMC)LISH TO P(DINT INDICATED	
		3ER OF DFT	AIL ON SHEET	
	$\left(\begin{array}{c}1\\ P_{-001}\end{array}\right)$ NUME	BER OF SHE	ET WHERE DETAIL	EQUIPMENT (TYPICAL TAG FOR ALL NEW CONSTRUCTION)
	APPE	ARS		<u>EWH-1</u>
	(1) KEYN	OTE		
				(TYPICAL FOR ALL EXISTING TAGS)
	\sim pipe	CONTINUAT	ION	(E)EWH-1
		<u>CE TAG:</u>		PLUMBING EQUIPMENT FOR DEMOLITION (TYPICAL FOR ALL
	CD/			DEMOLITION (TYPICAL FOR ALL DEMOLITION TAGS)
	SPA			
			ENAME	(D)EWH-1
		SPACE	E NAME E NUMBER	(D)EWH-1
		SPACE SPACE		(D)EWH-1
	OFFICE	SPACE SPACE SPACE	E NUMBER E AREA	PLUMBING SHEET SET NOTE
	OFFICE	SPACE SPACE	E NUMBER E AREA	
	OFFICE	SPACE SPACE SPACE	E NUMBER E AREA OLISHED	PLUMBING SHEET SET NOTE * NOTE * ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL
	OFFICE	SPACE SPACE SPACE TO BE DEM	E NUMBER E AREA OLISHED	PLUMBING SHEET SET NOTE * NOTE *

SEISMIC DESIGN CRITERIA

- SEISMIC DESIGN DATA: 1
 - A. SEISMIC DESIGN CATEGORY: C a. SEE SHEET S-001 FOR MORE INFO.
- THE FOLLOWING COMPONENT IMPORTANCE FACTORS ARE USED:
- WATER HEATERS (STORAGE WATER 140°F): 1.0 Α. WATER PIPING (GREATER THAN 120°F): 1.0
- SEWER PIPING: 1.0 С
- SEISMIC BRACING IS NOT REQUIRED FOR THE PLUMBING
- COMPONENTS.
- REFER TO THE SPECIFICATIONS.

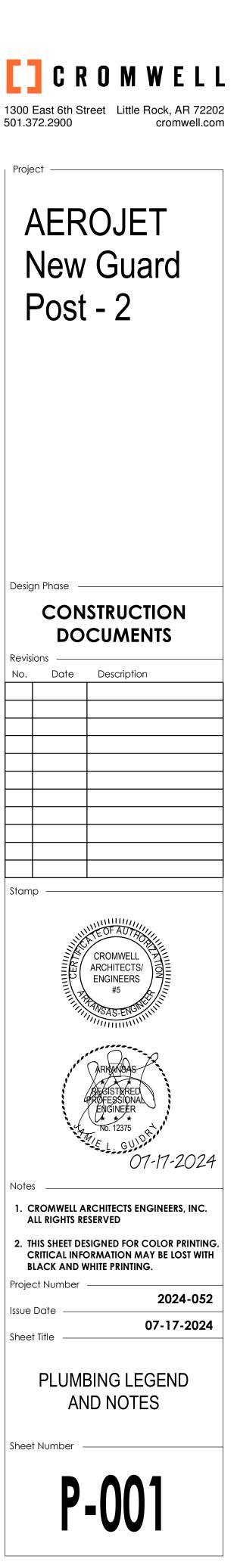
PLUMBING GENERAL NOTES

- 1 ALL PLUMBING SYSTEMS SHALL BE INSTALLED AS PER SPECIFICATIONS AND GOVERNING CODES.
- 2 ALL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENTS OR GEOMETRIC RELATIONSHIPS OF EQUIPMENT AND SERVICES. THEY ARE NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT. CONTRACTOR SHALL NOT SCALE DRAWINGS. INFORMATION AND COMPONENTS SHOWN ON RISER DIAGRAMS OR DETAILS, BUT NOT SHOWN ON PLANS, AND VICE-VERSA, SHALL BE PROVIDED AS IF EXPRESSLY REQUIRED BY BOTH. THE CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION (RFI) IF INFORMATION CONFLICTS. DRAWINGS SPECIFIC TO THIS DISCIPLINE DO NOT LIMIT THE RESPONSIBILITY OF WORK REQUIRED BY CONTRACT DOCUMENTS. REFER TO ARCHITECTURAL, STRUCTURAL, ELECTRICAL AND OTHER DRAWINGS FOR COMPLETE INFORMATION.
- 3 BY NECESSITY, THESE DRAWINGS REFLECT A SYSTEM DESIGNED AROUND SPECIFIC REFERENCE PRODUCTS, THE SELECTION OF WHICH HAS IMPACTED THE DESIGNS OF OTHER TRADES (HVAC, ELECTRICAL, STRUCTURAL, ETC.). IF ALTERNATE MANUFACTURERS, FUEL SOURCES, SIZES, OR MODEL NUMBERS ARE SUBMITTED OR BID. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS TO COORDINATE ALL DIFFERENCES PRIOR TO BID NO EXTRAS WILL BE ALLOWED FOR CHANGES REQUIRED TO OTHER TRADES IF ALTERNATE EQUIPMENT IS BID OR INSTALLED AT THE CONTRACTORS OPTION.
- 4 EXCEPT WHERE MODIFIED BY SPECIFIC NOTATION TO THE CONTRARY, IT SHALL BE UNDERSTOOD THAT THE INDICATION AND/OR DESCRIPTION OF ANY ITEM, IN THE DRAWINGS OR SPECIFICATIONS OR BOTH, CARRIES WITH IT THE INSTRUCTION TO FURNISH AND INSTALL THE ITEM, REGARDLESS OF WHETHER OR NOT THIS INSTRUCTION IS EXPLICITLY STATED AS PART OF THE INDICATION OR DESCRIPTION.
- 5 CONTRACTOR SHALL PAY ALL UTILITY FEES & CHARGES AS PART OF BASE BID IN THE CONTRACT 6 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THAT OF OTHER TRADES; i.e., ARCHITECTURAL, HVAC, ELECTRICAL, STRUCTURAL, FIRE PROTECTION AND CIVIL PRIOR TO CONSTRUCTION.
- 7 THE CONTRACTOR SHALL COORDINATE UTILITY LOCATIONS, SIZES AND INVERT ELEVATIONS PRIOR TO CONSTRUCTION; i.e., SANITARY SEWER, FIRE PROTECTION. DOMESTIC WATER. ALL SERVICES SHALL TERMINATE 5 FEET OUTSIDE THE BUILDING. EXCEPT WHERE SHOWN OTHERWISE. SEE SITE UTILITY DRAWINGS FOR CONTINUATION OF ALL SERVICE LINES.
- 8 PROVIDE ISOLATION VALVES AT EACH FIXTURE GROUP OR BATTERY OF FIXTURES IN THE DOMESTIC CW, HW, HWR AND GAS PIPING. VALVES SHALL BE EASILY ACCESSIBLE. WHERE HARD CEILINGS ARE LOCATED, VALVES SHALL BE ACCESSED THROUGH ACCESS PANELS. ACCESS PANELS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO CONSTRUCTION.
- 9 PROVIDE STOP VALVES AT ALL PLUMBING FIXTURES ON BOTH HOT AND COLD WATER SUPPLY LINES. VALVES, ESCUTCHEONS, FITTINGS, ETC., SHALL BE CHROME PLATED AND INSTALLED TIGHT TO WALL. WHERE PIPING IS EXPOSED, CHROME PLATED PIPE SHALL BE USED
- 10 ALL EXPOSED OR ACCESSIBLE P-TRAPS SHALL BE CHROME PLATED AND PROVIDED WITH BOTTOM CLEANOUT PLUGS. 11 SLOPE 2-1/2" AND SMALLER DRAIN WASTE AND VENT (DWV) LINES AT MIN, (2%) 1/4" FALL PER FT., 3" TO 6" DWV LINES AT MIN. (1%) 1/8" FALL PER FT. SANITARY SEWER AND WATER SHALL BE A MINIMUM OF 10' APART OR THE DOMESTIC WATER SERVICE SHALL BE 12" ABOVE THE TOP OF THE SEWER LINE, AT ITS HIGHEST POINT, IF PLACED IN SAME TRENCH.
- 12 PROVIDE ALL FITTINGS, TRANSITIONS, COUPLINGS, ADAPTERS, UNIONS, AND OTHER ACCESSORIES NEEDED TO COMPLETE CONNECTIONS AND PROPER OPERATIONS OF PLUMBING FIXTURES AND PLUMBING EQUIPMENT.
- 13 REFER TO SPECIFICATIONS FOR ACCEPTABLE MANUFACTURERS OF PLUMBING FIXTURES AND EQUIPMENT, AND PROPER APPLICATIONS OF SAME. 14 PROVIDE CLEANOUTS IN ALL SEWERS, WHETHER SHOWN OR NOT, AT INTERVALS NOT TO EXCEED 50 FEET, AT EACH CHANGE OF DIRECTION GREATER THAN
- 45°, AND ALL VERTICAL STACKS AT A HEIGHT OF 30" ABOVE FINISH FLOOR AT THE BASE OF EACH STACK. 15 WHERE WATER PRESSURES EXCEED 80 PSI, PROVIDE WATER PRESSURE REDUCING VALVES (PRV) CONFORMING TO ASSE 1003 WITH STRAINER IN WATER SUPPLY LINES, SETTING AT 80 PSI. SEE CODE AND MANUFACTURER INFORMATION FOR ACCEPTABLE PRESSURE REQUIREMENTS
- 16 ALL PIPING PENETRATIONS OF THE RATED CEILING AND WALL MUST BE MADE WITH METAL PIPE OR UL LISTED APPROVED DEVICES. FIRE STOP ALL PIPE PENETRATIONS THRU RATED WALLS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS, RATINGS AND FIRE STOPPING DETAILS.
- 17 DO NOT ROUTE ANY PIPING OVER ELEC. ROOMS, COMPUTER ROOMS, OR ELEC. PANELS.
- 18 INSTALL AN AGA LISTED NATURAL GAS COCK, DIRT LEG AND UNION IMMEDIATELY UPSTREAM OF EQUIPMENT CONNECTIONS. AS NOTED ON DRAWINGS PROVIDE AN AGA LISTED VENT LIMITING GAS REGULATOR. GAS REGULATORS SHALL NOT BE INSTALLED IN AIR PLENUMS (SEE HVAC PLANS FOR AIR PLENUM LOCATIONS). PAINT ALL NATURAL GAS PIPING WITH TWO COATS OF OIL BASED YELLOW PAINT IN ALL LOCATIONS NOT SPECIFIED BY ARCHITECT.
- 19 ALL DOMESTIC WATER PIPING ROUTED IN AREAS SUBJECT TO FREEZING TEMPERATURES SHALL BE ROUTED BELOW INSULATION AND WITHIN THE HEATED ENVELOPE OF THE BUILDING. WHERE PIPING CAN NOT BE ROUTED BELOW INSULATION, PIPING SHALL HAVE 5 WATT/FT HEAT TRACING ATTACHED. SEE ARCHITECTURAL DRAWINGS FOR INSULATION PLACEMENT AND DETAILS. COORDINATE ELECTRICAL REQUIREMENTS WITH ELECTRICAL CONTRACTOR AND ENGINEER.
- 20 UNLESS OTHERWISE INDICATED, DO NOT ROUTE WATER PIPING IN EXTERIOR WALLS. WHEN ROUTED IN EXTERIOR WALLS, CAREFULLY POSITION WATER PIPING ON THE HEATED SIDE (INTERIOR SIDE) OF THE WALL INSULATION.
- 21 MAINTAIN 10'-0" MINIMUM CLEARANCE BETWEEN FRESH AIR INTAKES, OPERABLE WINDOWS AND FLUES, PLUMBING VENTS AND GAS REGULATORS. 22 ALL SEWER & VENT PIPING SHALL BE RODDED AND CLEANED AT END OF CONSTRUCTION. ALL TRAPS SHALL BE CLEANED AND PRIMED AT END OF
- CONSTRUCTION. 23 ALL PIPE DROPS FROM CEILING PLENUM TO FLOOR SHALL BE MADE IN FURROUTS AT COLUMNS, IN WEB OF BEAMS AT COLUMNS OR IN WALLS. PIPING SHALL BE CONCEALED UNLESS APPROVED BY ARCHITECT.
- 24 PROVIDE WATER HAMMER ARRESTORS IN FIXTURE BRANCHES WHERE QUICK CLOSING VALVES ARE INSTALLED; i.e., FLUSH VALVES, ICE MAKERS, DISHWASHERS. ETC.
- 25 BELOW SLAB WATER PIPE TO BE TYPE K SOFT DRAWN COPPER WITHOUT FITTINGS OR JOINTS. SLEEVE IN ENTIRETY WITH ARMAFLEX OR APPROPRIATE POLYETHYLENE SLEEVE MATERIAL.
- 26 PROVIDE APPROVED BACKFLOW PREVENTION OR ANTI-SIPHON DEVICES AT ALL FIXTURES THAT COULD CONTAMINATE THE POTABLE WATER SYSTEM.
- 27 INSULATE ALL WATER PIPING ABOVE FINISH FLOOR. SEE SPECIFICATIONS FOR THICKNESS SCHEDULE.
- 28 INSULATE ALL EXPOSED HOT WATER & DRAIN PIPING FOR ACCESSIBLE FIXTURES PER ANSI A117.1 AND ADA REQUIREMENTS.
- 29 FLOOR DRAINS IN MECHANICAL ROOMS ARE SHOWN FOR GENERAL LOCATION ONLY. FLOOR DRAINS SHALL BE ACCESSIBLE AND SHALL BE VERIFIED WITH EQUIPMENT LAYOUT FOR INTERFERENCES.
- 30 AN APPROVED TRAP SEAL DEVICE CONFORMING TO ASSE 1072 SHALL BE INSTALLED AT ALL FLOOR AND HUB DRAINS. ALL DRAINS SHALL HAVE DEEP SEAL TRAPS, 4" DEEP SEAL MINIMUM. INSTALL TRAP GUARD DEVICES PER MANUFACTURER'S INSTRUCTIONS.
- 31 DOMESTIC WATER SERVICE PIPING AND FITTINGS; E.G., CHECK VALVES, RPZA, SHUT-OFF VALVES, STRAINERS, PRESSURE REGULATORS, ETC. SHALL COMPLY WITH NSF 61 CRITERIA. ALL CAST IRON EQUIPMENT IS TO BE INTERNALLY EPOXY COATED

ADA REQUIREMENTS

WATER CLOSETS: THE HEIGHT OF WATER CLOSETS SHALL BE 17"-19" MEASURED FROM THE TOP OF THE TOILET SEAT. SEATS SHALL NOT BE SPRUNG OR RETURN TO A LIFTED POSITION. THE WATER CLOSET SHALL BE LOCATED 18" FROM THE SIDE WALL TO THE CENTER OF THE BOWL. HAND OPERATED FLUSH CONTROLS SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS NO MORE THAN 29" ABOVE FINISHED FLOOR. SEE ARCHITECTURAL SHEETS FOR GRAB BAR LOCATIONS.

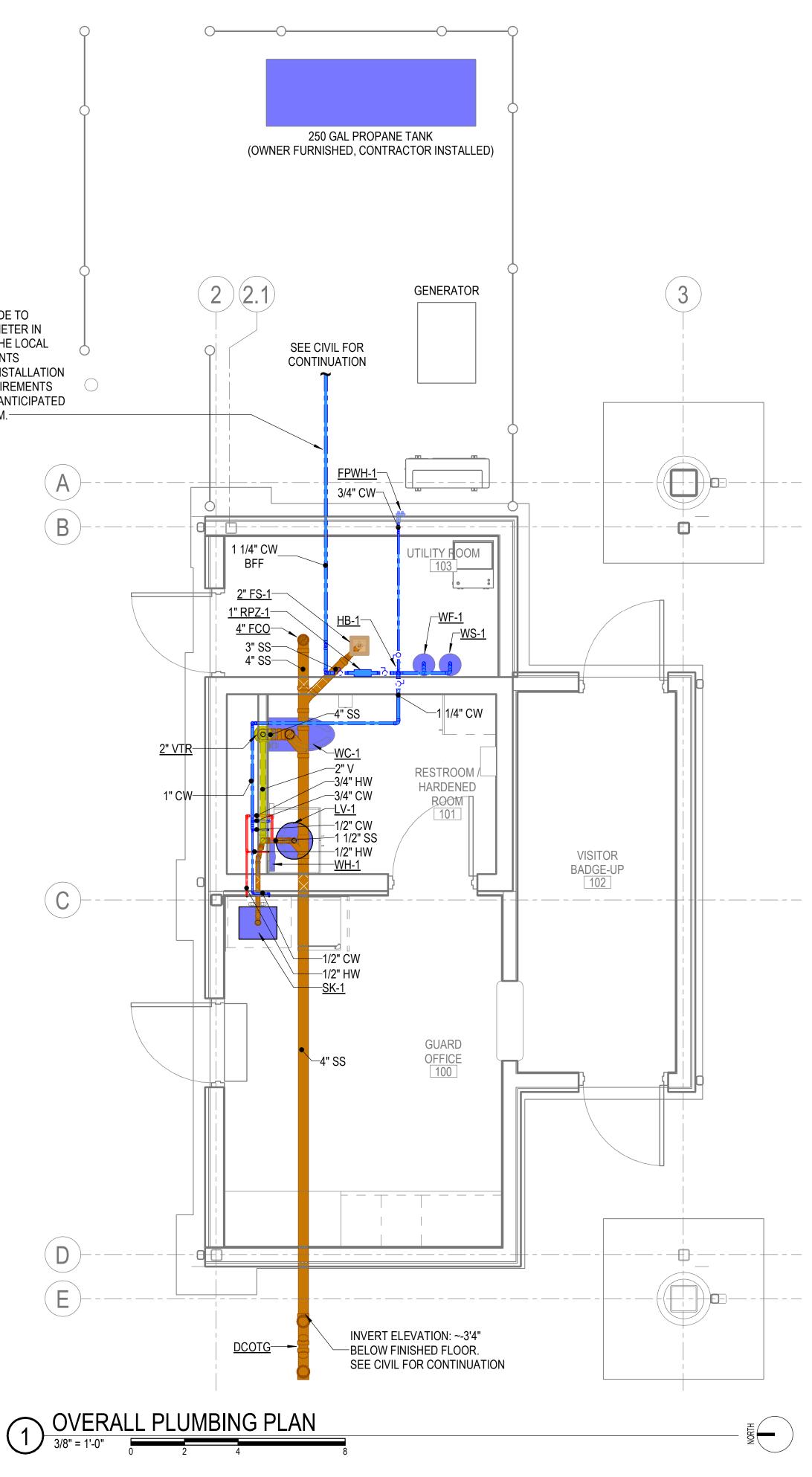
LAVATORIES: LAVATORIES SHALL BE MOUNTED WITH THE RIM OR COUNTER SURFACE NO MORE THAN 34" ABOVE FINISHED FLOOR. PROVIDE A CLEARANCE OF AT LEAST 29" ABOVE FINISHED FLOOR TO THE BOTTOM OF THE APRON. KNEE SPACE SHALL BE 8" FROM THE BOTTOM EDGE OF APRON TO THE LEADING EDGE OF THE BOTTOM OF BOWL. THE BOTTOM OF THE BOWL SHALL BE A MINIMUM OF 27" ABOVE FINISHED FLOOR. ALL WATER AND DRAIN PIPING UNDER LAVATORIES SHALL BE INSULATED WITH FOAM INSERT. COVERED WITH A 1/8" VINYL OUTER SHELL. ANGLE STOPS SHALL HAVE A FLIP TOP ACCESS.



DOMESTIC WATER SUPPLY: ROUTE 1-1/4" CW BELOW GRADE TO

BUILDING. PROVIDE WATER METER IN STRICT ACCORDANCE WITH THE LOCAL WATER UTILITY'S REQUIREMENTS INCLUDING SIZE, TYPE, AND INSTALLATION DETAILS. CONFIRM ALL REQUIREMENTS PROIR TO BID OR ROUGH-IN. ANTICIPATED PEAK WATER DEMAND=15 GPM.



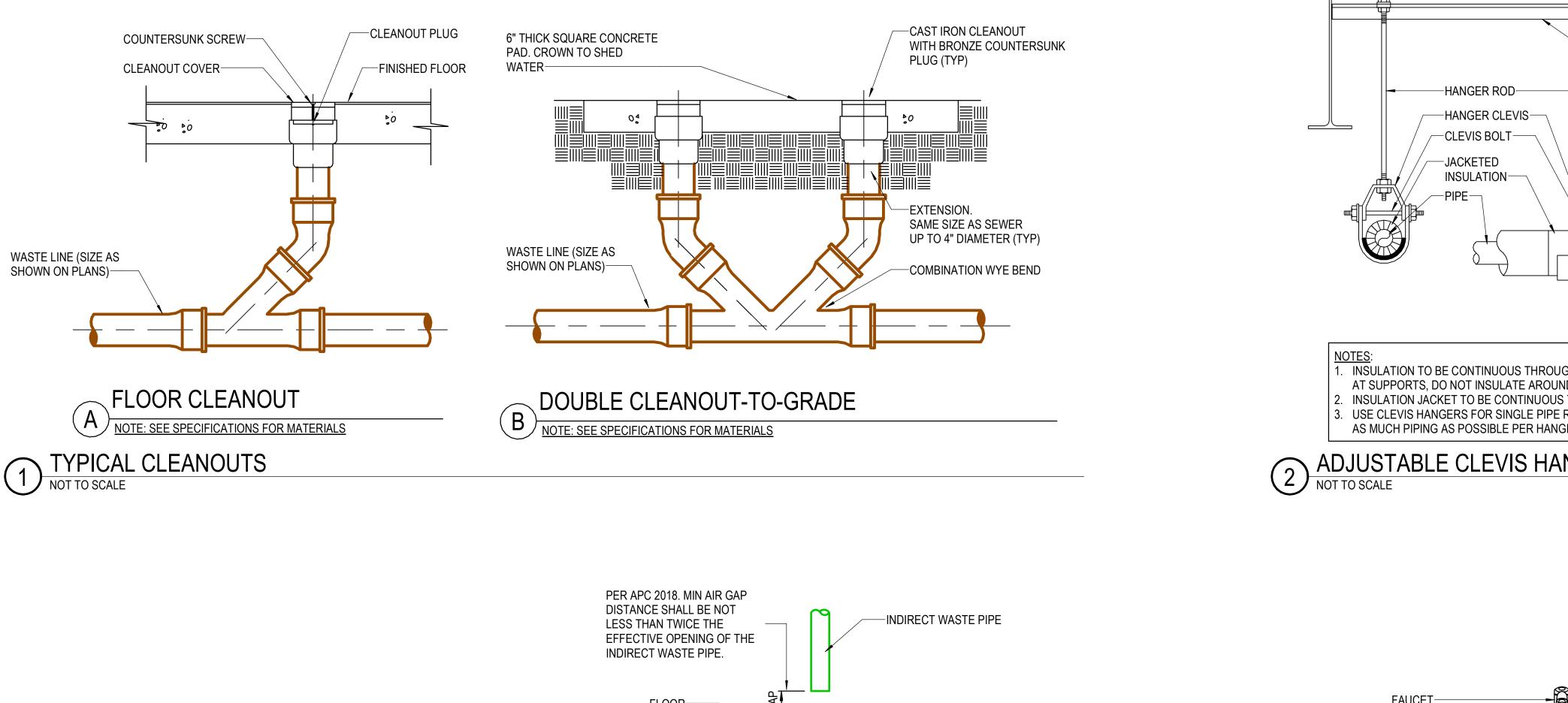


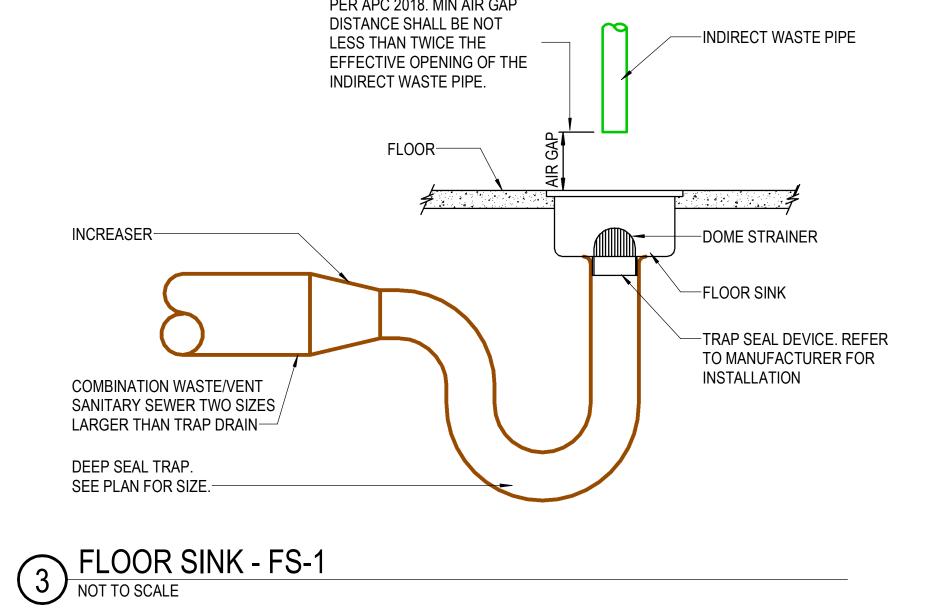
GENERAL NOTES

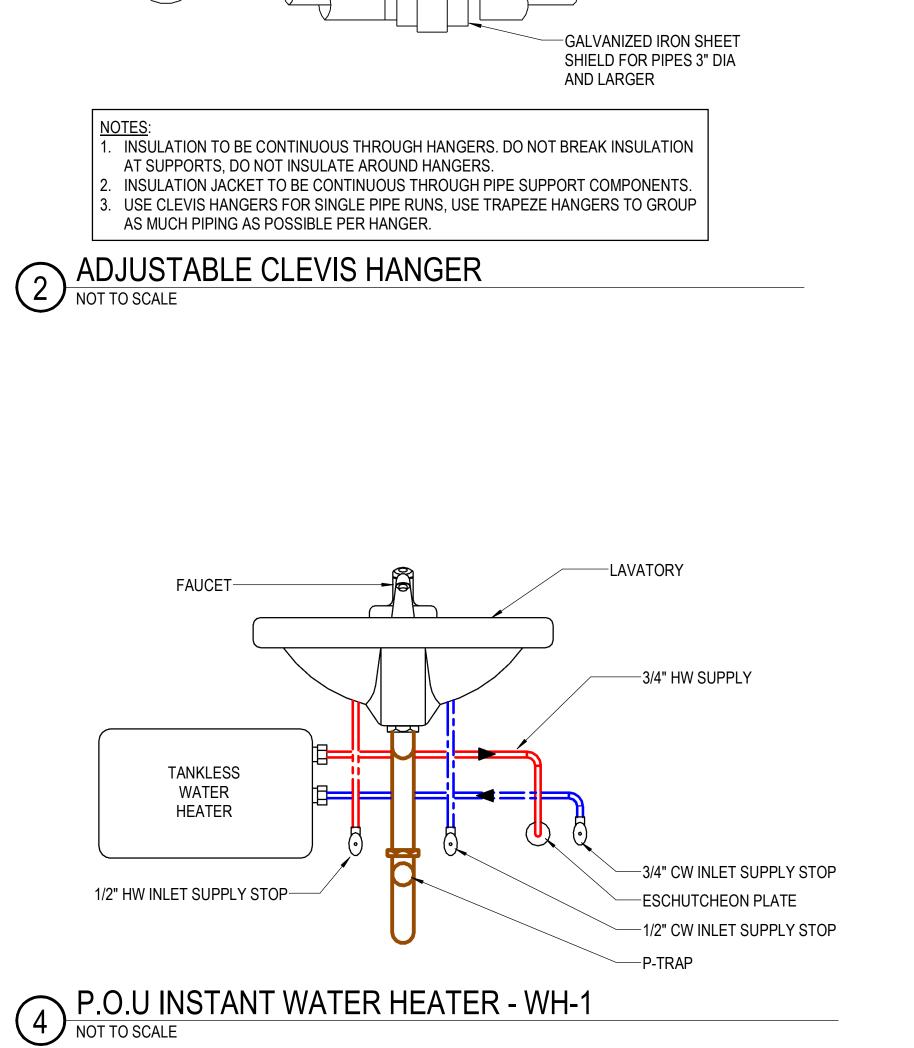
1 REFER TO SHEET P-001 FOR LEGEND AND NOTES.

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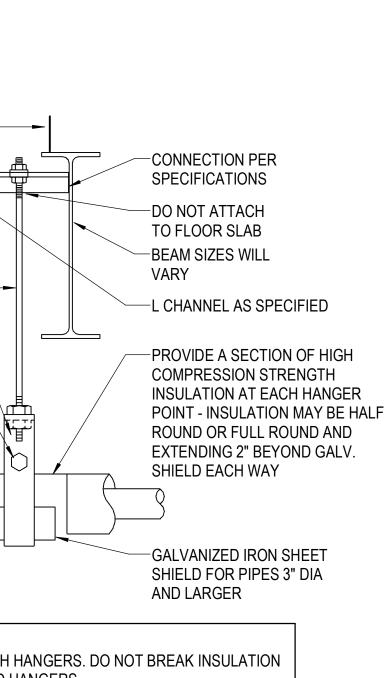
	OJET Guard - 2			
Design Phase —				
CON				
Revisions	CUMENTS			
No. Date	Description			
	CROMWELL ARCHITECTS/ ENGINEERS #5 MSAS-ENGINITION ARKANSAS REGISTERED ROFESSIONAL ENGINEER No. 12375 CT-17-2024			
	CHITECTS ENGINEERS, INC.			
2. THIS SHEET DES CRITICAL INFO	IGNED FOR COLOR PRINTING. RMATION MAY BE LOST WITH HITE PRINTING.			
Project Number -	2024-052			
Sheet Title	07-17-2024			
OVERALL PLUMBING PLAN				
Sheet Number				
P	·101			



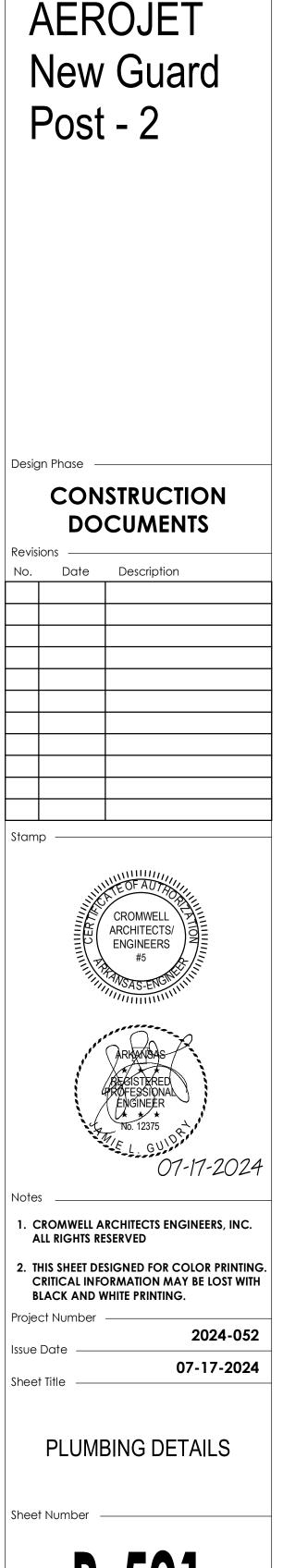








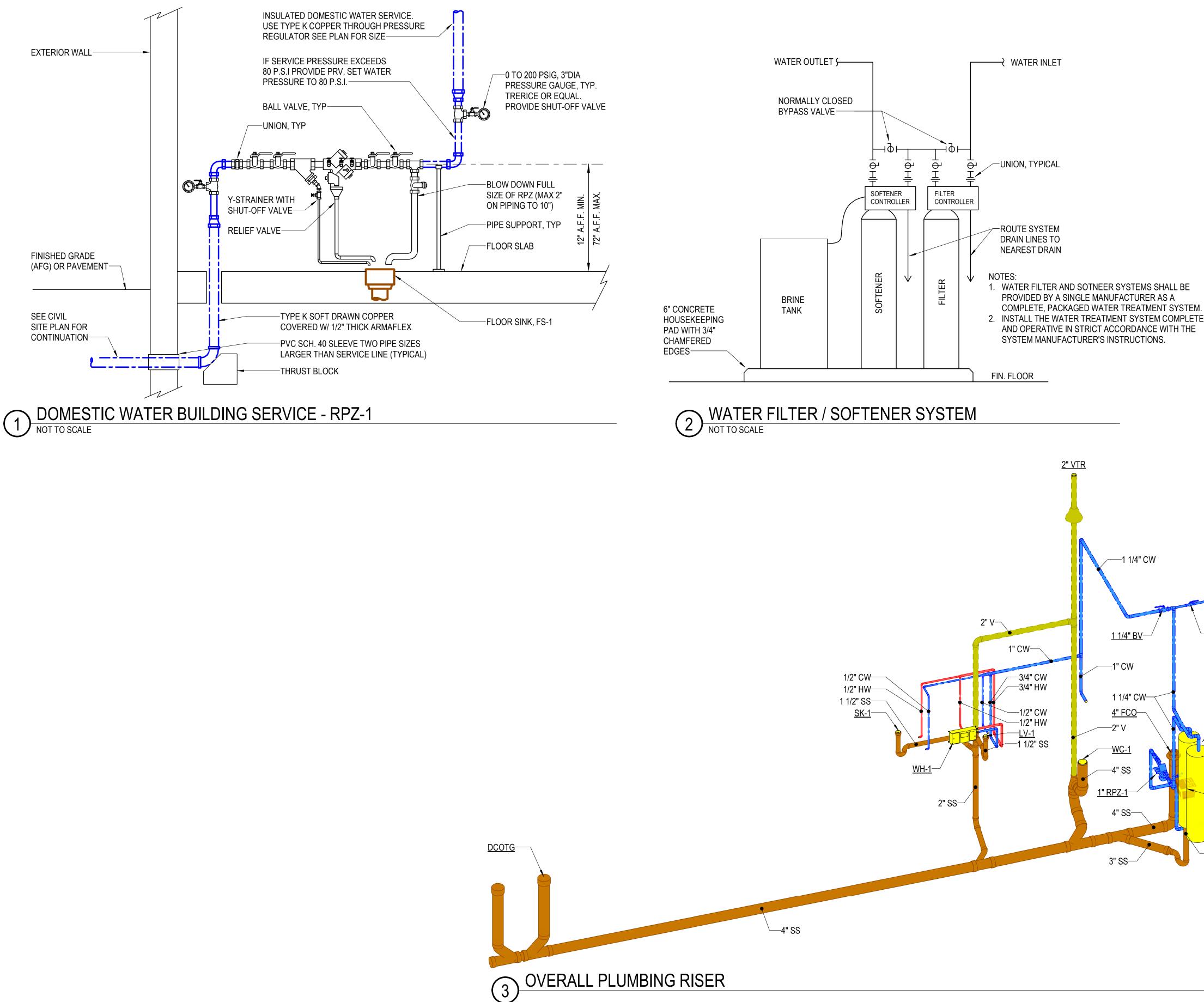
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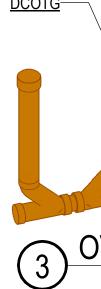


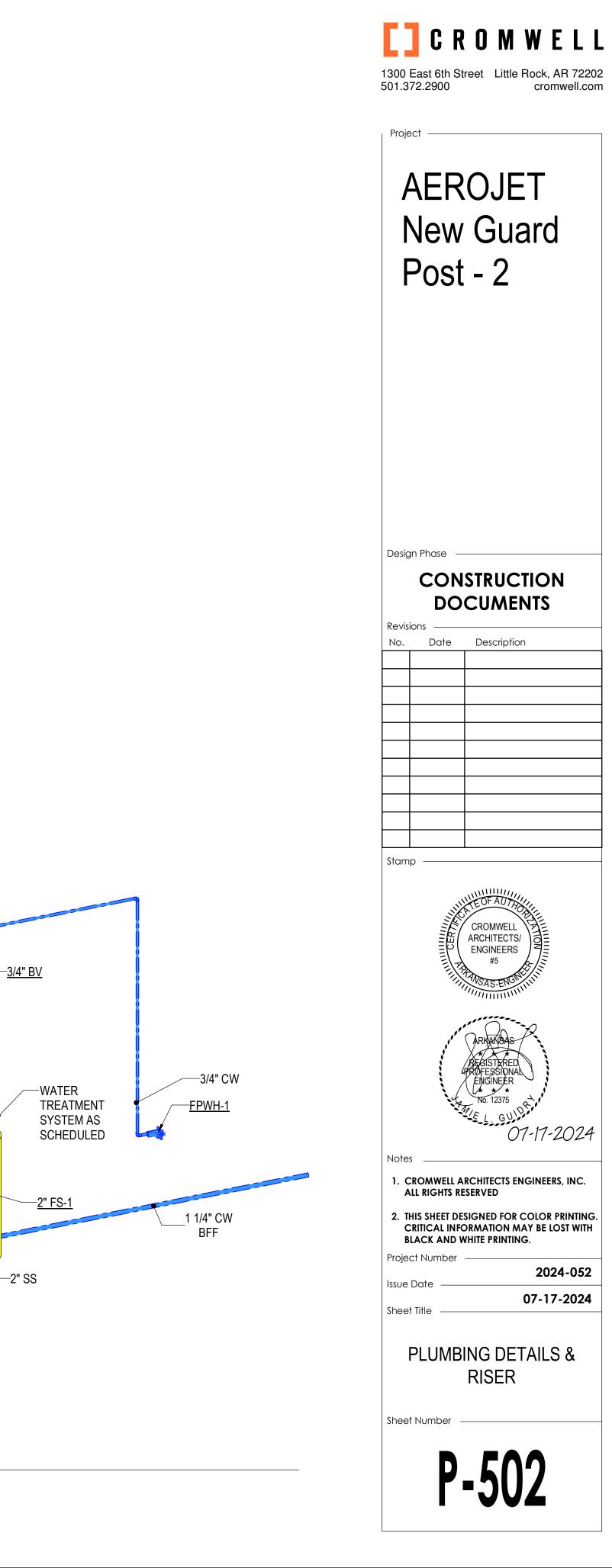
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Project







-2" SS

ID	BASIS OF DESIGN		
	MANUFACTURER & MODEL	UTILITY CONNECTION	
RPZ-1	FEBCO #825YA,		REDUCED PRESSURE ZONE ASSEMBLY - 13-1/3"x8-1/2"x8", 1"
			ALL SEAT DISCS SHALL BE REVERSIBLE, INCLUDES TWO IND
			TEMPERATURE RANGE 32F-140F, 11 PSI HEAD LOSS @23 GP
FCO	WATTS #CO-1200-RX-4-NH,	SAME SIZE AS LINE, MAX 4"	FLOOR CLEANOUT - SAME SIZE AS LINE, MAX. 4", EPOXY CO/
DCOTG	WADE, 6000-12 SERIES	SAME SIZE AS LINE, MAX 4"	CLEANOUT-TO-GRADE/DOUBLE-CLEANOUT-TO-GRADE - SAM

ID	BASIS OF DESIGN		ELECT	RICAL			
	MANUFACTURER & MODEL	UTILITY CONNECTIONS	CONNECTION TYPE	VOLTAGE	PHASE	POWER	AMPS
WH-1	CHRONOMITE #CMI-15L/240,	1/2"CW, 1/2"HW	HARDWIRED WITH GFCI PROTECTION	240 V	1	3.6 kW	15

	BASIS OF DESIGN						
ID	MANUFACTURER & MODEL	ACCESSORIES	COLD	HOT	WASTE	INDIRECT	VEN
WC-1	WATER CLOSET - AMERICAN STANDARD "MADERA" #3043.001, FLUSH VALVE - SLOAN #111-1.6,	AMERICAN STANDARD SEAT #5901.100SS,	1"		4"		2'
LV-1	SINK - AMERICAN STANDARD "AQUALYN" #0476.028 FAUCET - DELTA #22C451,	OPEN GRID STRAINER - DELTA #33T260, P-TRAP - ZURN #Z8701-PC, SUPPLY STOP VALVES - ZURN #Z8807-XL-LR-PC,	1/2"	1/2"	1-1/2"		2"
SK-1	SINK - JUST MANUFACTURING #SLADA17519A55-J, FAUCET - DELTA #100LF-HDF,	DRAIN - JUST MANUFACTURING #J-35, P-TRAP - ZURN #8702-PC, SUPPLY STOP VALVES - ZURN #Z8807-XL-LR-PC,	1/2"	1/2"	2"		2"
HB-1	WOODFORD, 26	PROVIDE FULL PORT ISOLATION BALL VALVE FOR FIXTURE,	3/4"				
FPWH-1	WOODFORD #B67,	PROVIDE FULL PORT ISOLATION BALL VALVE FOR FIXTURE,	3/4"				
FS-1	ZURN #Z1910,	TRAP SEAL DEVICE,			SEE PLAN		2"
WS-1	CULLIGAN, HE-60, 12"		1-1/4"				
WF-1	CULLIGAN, HE 10" FILTER CLEER		1-1/4"				

PLUMBING ACCESSORY

SPECIFICATION

" ASSEMBLY, VERTICAL UP FLOW IN/HORIZONTAL FLOW OUT, MAINLINE VALVE & RELIEF VALVE BODY SHALL BE BRONZE, CHECK VALVE MOVING MEMBERS SHALL BE CENTER ST IDEPENDENTLY OPERATING, SPRING LOADED, "Y' PATTERN CHECK VALVES, AND ONE HYDRAULICALLY DEPENDENT DIFFERENTIAL RELIEF VALVE, INCLUDE WYE-STRAINER ON VE IPM, ASSE 1013 CERTIFIED, ANSI/AWWA C511 APPROVED

OATED CAST IRON FLOOR CLEANOUT WITH 5" ROUND ADJUSTABLE GASKETED EXTRA HEAVY DUTY STAINLESS STEEL TOP, REMOVABLE GAS TIGHT GASKETED BRASS CLEANOUT ME SIZE AS LINE, MAX. 4 INCH, HEAVY DUTY CAST IRON, FERRULE, THREADED ADJUSTABLE HOUSING, INTEGRAL CLAMPING COLLAR, ABS PLUG, 7-1/8 INCH SQUARE HEAVY DUTY

PLUMBING EQUIPMENT

SPECIFICATION

15 ELECTRIC TANKLESS WATER HEATER - 49°F RISE @ 0.5 GPM, 13-7/16"x6-1/4"x2-3/4"D, POINT-OF-USE, MULTIPLE LAVATORY, 0.2 GPM ACTIVATION FLOW, FACTORY SET THERMOSTATIC TEMPERATURE CONTROL, ASSE 1070 COMPLIANT, LESS DISCONNECT SWITCH

PLUMBING FIXTURE SPECIFICATION 'ENT TRAP WATER CLOSET - ADA ACCESSIBLE, 16-1/2" RIM HEIGHT, FLOOR MTD, VITREOUS CHINA LESS EVERCLEAN SURFACE, ELONGATED BOWL, INTEGRAL STOPS AN GPF, POLISHED CHROME FINISH, TOP SPUD, MANUAL SINGLE FLUSH, PERMEX SYNTHETIC RUBBER DIAPHRAGM WITH LINEAR FILTERED BYPASS AND VORTE INTEGRAL 2" VANDAL RESISTANT STOP CAP ON ANGLE CHECK STOP, SEAT - OPEN FRONT ELONGATED SEAT, SELF SUSTAINING, LESS COVER LAVATORY - ADA COMPLIANT, 20-3/8"x17-3/8"x5-5/8"D (16"x10"x5-5/8" INSIDE), DROP IN-COUNTERTOP, WHITE VITREOUS CHINA, FRONT OVERFLOW, THREE FAU LEVER, POLISHED CHROME-PLATED FINISH, LEAD FREE, 2.8" SPOUT HEIGHT, 5.9" SPOUT REACH, VANDAL RESISTANT SPRAY OUTLET, OPEN GRID STRAINER 1-1/4" 2" SINK - ADA COMPLIANT, 19"x18"x5-1/2"D, 1 COMPARTMENT (16"x11-1/2"x5-3/8"D INSIDE), COUNTER-TOP DROP IN, SELF RIMMING, 18 GAUGE TYPE 304 STAINLES FAUCET HOLES ON 8" CENTERS, FAUCET - 1.5 GPM, CHROME PLATED LEAD FREE, MANUAL SINGLE HANDLE, 4-3/4" SPOUT HEIGHT, 8-11/16" SPOUT REACH, SW 1-1/2" HOSE BIBB - 3-3/4"x4-3/4", BRASS CONSTRUCTION, EPDM PACKING, POLYCARBONATE WHEEL HANDLE AND LOOSE TEE KEY, 1/2" INLET, 125 PSI MAX PRESSUR ---INDEPENDENT CHECKS, DRAINS AUTOMATICALLY, ASSE 1052 APPROVED T FREEZEPROOF WALL HYDRANT - SIZE FOR WALL THICKNESS+4", RED BRASS VALVE BODY, 3/8" SOLID BRASS OPERATING ROD, HARDENED STAINLESS STEEL ---DRAIN PORT UNDER NOZZLE, 3/4" HOSE CONNECTION W/ HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER, ADJUSTABLE WALL CLAMP, ASSE 1052 CERTI FLOOR SINK - 8"x8"x6-1/2"D, ACID RESISTANT PORCELAIN ENAMEL COATING ON DRAIN AND GRATE, LOOSE SET 1/2 GRATE, ANTI-SPLASH ALUMINUM DOME S SEE PLAN 2" MI-GUARD. WATER SOFTENER SYSTEM, 2.0 CU. FT. RESIN, 12.6 GPM @ 15 PSIG AUXILIARY FLOW, 3.0 GPM MAX. DRAIN FLOW, 59267 @ 24 DOWNFLOW REGEN. MAX. CAPAC ---WATER FILTER SYSTEM, 12.0 GPM @ 15 PSIG RATED SERVICE FLOW, 7.0 GPM MAX. DRAIN FLOW. ------

	WATER H	IAN		
P.D.I. UNITS	А	В		
FIXTURE UNITS	1-11	12-32		
PISTON, (2) EPDM HAMMER ARRES	DP" #4481 SERIES / ORINGS, MNPT (STORS AND LOCA ASHER, ICE MAKEF	CONNECTION, MAX	x. pri /iedia	

	1300 East 6th StreetLittle Rock, AR 72202501.372.2900cromwell.com
	Project AEROJET
EM GUIDED, RELIEF VALVE SHALL HAVE REMOVABLE SEAT RING, ERTICAL INLET, MAX WORKING PRESSURE 175 PSI, MAX	New Guard
T PLUG, AND NO HUB OUTLET T DUCTILE IRON TOP	Post - 2
TO 110°F, 99% ENERGY EFFECIENT, MICROPROCESSOR	
	Design Phase
ND TRAP, SIPHON JET, 1-1/2" EXPOSED TOP SPUD, FLUSH VALVE - 1.6 EX CLEANSING ACTION, VACUUM BREAKER WITH FLUSH CONNECTION,	CONSTRUCTION DOCUMENTS Revisions No. Date Description
ICET HOLES ON 4" CENTERS, FAUCET - 0.5 GPM, MANUAL, SINGLE INCLUDED, CARRIER - CONCEALED ARM WALL CARRIER	
SS STEEL, LUSTROUS SATIN FINISH, CENTER DRAIN OUTLET, THREE NIVEL SPOUT, DECK MTD, 10-1/2" DECK PLATE	
RE, 120F MAX TEMP, INCLUDES BACKFLOW PREVENTER WITH TWO	
L STEM, ONE PIECE VALVE PLUNGER, COPPER CASTING TUBES, FIED	
RAINER, DEEP SEAL TRAP. PROVIDE TRAP SEAL EQUAL TO MIFAB	Stamp
	CROMWELL
MMER ARRESTOR	ARCHITECTS/ ENGINEERS #5
C D E F	THIN SASENCINE
33-6061-113114-154155-330EESSTOR, SEAMLESS COPPER CONSTRUCTION, POLYPROPYLENE RESS. 350 PSI, MAX. TEMP. 250°F, PROVIDE PROPERLY SIZED WATER IATELY UPSTREAM OF ALL QUICK CLOSING VLAVES (E.G. FLUSH S, ETC.)	ARKANSAS REGISTERED PROFESSIONAL ENGINEER
	Notes
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