

A

B

C

D

E

F

PLUMBING SYMBOL LEGEND				PLUMBING ABBREVIATIONS				PLUMBING GENERAL NOTES	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
	NEW PIPING		CLEANOUTS		PLUMBING RISER DESIGNATION: A = RISER IDENTIFYING SYSTEM TYPE 1 = RISER IDENTIFYING SYSTEM NUMBER	AS	ABOVE SLAB	MA	MED AIR
	EXISTING PIPING		PIPE END CAP		SECTION SYMBOL: A = IDENTIFYING LETTER B = SHEET WHERE SECTION IS SHOWN SIM = SIMILAR (ONLY NOTED IF IT APPLIES)	AFF	ABOVE FINISHED FLOOR	MIN	MINIMUM
	DEMOLISHED PIPING		PIPE TURNING DOWN		TITLE SYMBOL ON SHEET WHERE SHOWN A = IDENTIFYING NUMBER/LETTER	AFG	ABOVE FINISHED GRADE	MINTG	MOUNTING
	NATURAL GAS PIPING		PIPE TURNING UP		REVISION CLOUD AND REVISION NUMBER	ANS	AMERICAN NATIONAL STANDARDS INSTITUTE	MS	MOP SINK
	MED AIR PIPING		PIPE TURNING DOWN (TEE)		P-TRAP	AP	ACCESS PANEL	MV	MED VACUUM
	MED VACUUM PIPING		ROLL DOWN		FLOW ARROW	ASTM	AMERICAN STANDARDS TESTING MATERIALS	N	NEW
	OXYGEN PIPING		PIPING TEE		SHEET NOTE CALLOUT	AWWA	AMERICAN WATER WORKS ASSOCIATION	NA	NOT APPLICABLE
	COLD WATER PIPING		PIPING TEE		POINT OF CONNECTION	BFP	BACKFLOW PREVENTER	NC	NORMALLY CLOSED
	110° HOT WATER PIPING		ROLL DOWN			BS	BELOW SLAB	NIC	NOT IN CONTRACT
	HOT WATER RETURN PIPING		P-TRAP			BF	BELOW FLOOR	NO	NORMALLY OPEN
	SANITARY DRAINAGE PIPING (UNDERGROUND)		ROLL DOWN			BG	BELOW GRADE	NSF	NATIONAL SANITATION FOUNDATION
	SANITARY DRAINAGE PIPING (ABOVE SLAB)		ROLL DOWN			CA	COMPRESSED AIR	NTS	NOT TO SCALE
	STORM OVERFLOW (SECONDARY)		ROLL DOWN			CD	CONDENSATE	OZ	OXYGEN
	STORM (PRIMARY)		ROLL DOWN			CO	CLEANOUT	OD	OUTSIDE DIAMETER
	STORM PIPING (UNDERGROUND)		ROLL DOWN			CONN	CONNECTION	ORWL	OVERFLOW RAIN WATER LEADER
	VENT PIPING		ROLL DOWN			CONT	CONTINUOUS	PDI	PLUMBING DRAINAGE INSTITUTE
	CONDENSATE PIPING		ROLL DOWN			CP	CONDENSATE PUMP	PH	PHASE
	GATE VALVE		ROLL DOWN			CW	COLD WATER	PPP	PRECISION PLUMBING PRODUCTS
	BALL VALVE		ROLL DOWN			DF	DRINKING FOUNTAIN	PSI	POUNDS PER SQUARE INCH
	CIRCUIT SETTER VALVE		ROLL DOWN			DFU	DRAINAGE FIXTURE UNITS	RP	RECIRCULATION PUMP
	CHECK VALVE		ROLL DOWN			DN	DOWN	RPM	REVOLUTIONS PER MINUTE
	THERMOSTATIC MIXING VALVE		ROLL DOWN			DWG	DRAWING	RWL	RAIN WATER LEADER
	PRESSURE REGULATING VALVE		ROLL DOWN			DW	DOMESTIC WATER	S	SANITARY
	BUTTERFLY VALVE		ROLL DOWN			E	EXISTING	SAN	SANITARY
			ROLL DOWN			EDC	EXTERIOR CLEANOUT	SH	SHOWER
			ROLL DOWN			ELEV	ELEVATION	SK	SINK
			ROLL DOWN			EQUIP	EQUIPMENT	SL	SODA LINE
			ROLL DOWN			EWIC	ELECTRIC WATER COOLER	SPEC	SPECIFICATION
			ROLL DOWN			EWI	ELECTRIC WATER HEATER	SO	SQUARE
			ROLL DOWN			EXIST	EXISTING	SS	STAINLESS STEEL
			ROLL DOWN			°F	DEGREES FAHRENHEIT	STD	STANDARD
			ROLL DOWN			FOO	FLOOR CLEANOUT	STORM	STORM
			ROLL DOWN			FD	FLOOR DRAIN	TDH	TOTAL DYNAMIC HEAD
			ROLL DOWN			FIN	FINISH	TEMP	TEMPERATURE
			ROLL DOWN			FL	FLOOR	TET	THERMAL EXPANSION TANK
			ROLL DOWN			FPS	FEET PER SECOND	TMV	THERMOSTATIC MIXING VALVE
			ROLL DOWN			FT	FEET	TP	TRAP PRIMER
			ROLL DOWN			FU	FIXTURE UNITS	TYP	TYPICAL
			ROLL DOWN			G	NATURAL GAS	UL	UNDERWRITERS LABORATORY
			ROLL DOWN			GAL	GALLON(S)	UG	UNDERGROUND
			ROLL DOWN			GPM	GALLONS PER MINUTE	UNO	UNLESS NOTED OTHERWISE
			ROLL DOWN			GR	GREASE WASTE	UR	URINAL
			ROLL DOWN			HB	HOSE BIBB	V	VENT
			ROLL DOWN			HP	HORSEPOWER	VTR	VENT THROUGH ROOF
			ROLL DOWN			HR	HOUR	VV	VALVE IN VERTICAL
			ROLL DOWN			HWR	HOT WATER RETURN	VLV	VALVE
			ROLL DOWN			HZ	HERTZ	VOL	VOLUME
			ROLL DOWN			IE	INVERT ELEVATION	W	WATTS
			ROLL DOWN			ID	INTERNAL DIAMETER	WI	WITH
			ROLL DOWN			IN	INCHES	WC	WATER CLOSET
			ROLL DOWN			IPS	INTERNATIONAL PIPE STANDARD	WCO	WALL CLEANOUT
			ROLL DOWN			IR	IRRIGATION WATER	WHA	WATER HAMMER ARRESTOR
			ROLL DOWN			KW	KILOWATT	WHY	WALL HYDRANT
			ROLL DOWN			LAV	LAVATORY	WFU	WATER SUPPLY FIXTURE UNITS
			ROLL DOWN			LF	LINEAR FEET		

- ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND PLUMBING CODE AND VA FACILITY STANDARDS.
- LOCATE VALVES IN ACCESSIBLE AREAS WHERE NECESSARY (12"x12" MIN.)
- COORDINATE ACTUAL LOCATIONS OF MECHANICAL FLOOR DRAINS WITH FINAL EQUIPMENT LOCATIONS ON SHOP DRAWINGS.
- VENT PIPING SHOWN IS ONLY FOR DIAGRAMMATIC PURPOSES. COORDINATE FINAL VTR LOCATIONS AND MAINTAIN A MINIMUM CLEARANCE OF 2'-0" WITH ALL HVAC AIR INTAKES AND WINDOW OPENINGS. TERMINATE VTR A MINIMUM OF 18" AND A MAXIMUM OF 24" ABOVE THE ROOF.
- PROVIDE PIPE MARKER FOR ALL PIPING ABOVE THE CEILING SPACES IN ACCORDANCE WITH SPECIFICATIONS.
- PROVIDE AND INSTALL WATER WATER HAMMER ARRESTORS IN ACCORDANCE WITH PDI-WH201 IN ALL HW AND CW SUPPLY PIPING WITH QUICK CLOSING VALVES AS REQUIRED. AIR CHAMBERS ARE NOT ACCEPTABLE SUBSTITUTIONS.
- PROVIDE THERMAL INSULATION FOR HOT WATER AND HOT WATER RETURN PIPING IN ACCORDANCE WITH THE VA PLUMBING DESIGN MANUAL AND PER SPECIFICATIONS.
- THE MANUFACTURERS OF EQUIPMENT SHOWN ARE THE BASIS OF DESIGN AND ARE THE OWNER'S PREFERRED MANUFACTURER OF CHOICE. SEE SPECIFICATION FOR OTHER ACCEPTABLE MANUFACTURERS.
- FIRE CAULK AND SLEEVE PENETRATIONS THROUGH FIRE RATED ASSEMBLIES. REFER TO LIFE SAFETY PLANS FOR RATED ASSEMBLY LOCATIONS. REFER TO ARCHITECTURAL SHEETS FOR DETAILS AND UL ASSEMBLY NUMBERS.
- REFER TO ARCHITECTURAL SHEETS FOR FIXTURE MOUNTING.
- COORDINATE UNDERGROUND PIPING INVERT ELEVATIONS WITH STRUCTURAL FOOTING ELEVATIONS AND CIVIL INVERT CONNECTIONS PRIOR TO ANY UNDERGROUND PIPING INSTALLATIONS. IF FOOTINGS ARE IN CONFLICT AND WHERE A PIPING ROLL DOWN IS NOT POSSIBLE, COORDINATE WITH GENERAL CONTRACTOR FOR DROPS IN FOOTINGS AS REQUIRED.
- COORDINATE CEILING PIPING AND ELEVATIONS IN SHOP DRAWINGS WITH ALL OTHER TRADES (I.E. HVAC, FIRE PROTECTION, ELECTRICAL, TELECOMM, STRUCTURAL, ETC.) PRIOR TO ANY INSTALLATION TO ENSURE PROPER CLEARANCES AND PENETRATIONS.
- SLOPE SANITARY PIPING 2-1/2" OR LESS AT 1/4" PER FOOT. SLOPE SANITARY PIPING 3" AND LARGER AT 1/8" PER FOOT.
- VALVES AND FITTINGS SHALL BE THE SAME SIZE AS THE PIPING WHERE THEY ARE LOCATED UNLESS NOTED OTHERWISE.
- PROVIDE ALL NECESSARY SUPPORTING DEVICES FOR FIXTURES PER MANUFACTURER INSTALLATION INSTRUCTIONS.
- ROUGH-IN WASTE AND WATER SUPPLIES FOR FIXTURES AND PERFORM FINAL CONNECTIONS PER MANUFACTURER RECOMMENDATIONS.
- ROUGH IN FLUSH VALVE WATER CLOSETS SO THAT THE FLUSH VALVE HANDLE IS TO THE WIDE SIDE OF THE ROOM.
- COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES.
- ALL AUTOMATIC CONTROL, PROTECTIVE OR SIGNAL DEVICES REQUIRED FOR THE OPERATION SPECIFIED, SHALL BE PROVIDED WITH ANY CONTROL, WIRING AND INSTALLED PER MANUFACTURERS REQUIREMENTS.
- THE PRIMARY ROOF DRAIN SYSTEM HAVE BEEN DESIGNED TO HANDLE 3 INCHES OF HEAD OVER THE PRIMARY ROOF DRAIN. THE ROOF DRAIN BASIS OF DESIGN IS JAY R SMITH, MODEL NUMBER 1010-C-U-CID.
- PROVIDE AN AIR GAP, WHEN REQUIRED BY CODE, SERVING INDIVIDUAL FIXTURES, DEVICES, APPLIANCES AND APPARATUS.
- SHOP DRAWING SUBMITTALS SHALL BE FULLY COORDINATED PRIOR TO SUBMITTAL.
- USE OF PRESS-CONNECT TYPE FITTINGS IS PROHIBITED.

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NOTE: SOME SYMBOLS SHOWN ON THIS LEGEND MAY NOT PERTAIN TO THIS PROJECT

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Drawing Title  
**PLUMBING LEGENDS, SYMBOLS, & GENERAL NOTES**

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**CONSTRUCTION DOCUMENTS**

**FULLY SPRINKLERED**

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