

PLUMBING SYMBOL LIST

(NOTE: ALL OF THE SYMBOLS INDICATED BELOW MAY NOT APPEAR ON THIS PROJECT)

	S or W	SOIL OR WASTE PIPING (BELOW GRADE / FLOOR)		C.O.	CLEANOUT PLUG
	S or W	SOIL OR WASTE PIPING (ABOVE GRADE / FLOOR)		F.C.O.	FLOOR CLEANOUT
	V	SOIL OR WASTE VENT PIPING		G.C.O.	GRADE CLEANOUT
	RDL,SDL	STORM OR ROOF DRAIN PIPING (BELOW GRADE / FLOOR)		W.C.O.	WALL CLEANOUT
	RDL,SDL	STORM OR ROOF DRAIN PIPING (ABOVE GRADE / FLOOR)		P.D.	PIPING TEE DOWN
	ODL	OVERFLOW ROOF DRAIN PIPING (BELOW GRADE / FLOOR)		P.U.	PIPING TEE UP
	ODL	OVERFLOW ROOF DRAIN PIPING (ABOVE GRADE / FLOOR)		P.U.	PIPING ELBOW UP
	C	CONDENSATE DRAIN PIPING		P.D.	PIPING ELBOW DOWN
	CW	COLD WATER PIPING			BRANCH - TOP CONNECTION
	HW	HOT WATER PIPING (105' - 120' F)			BRANCH - BOTTOM CONNECTION
	HWR	HOT WATER RECIRCULATION PIPING (105' - 120' F)			BRANCH - SIDE CONNECTION
	T	TEMPERED WATER (90' F)		P.T.	PLUGGED TEE
	G	GAS - LOW PRESSURE (7" W.C.)		C.O.P.	CAP ON END OF PIPE
	LPG	LIQUID PETROLEUM GASOLINE PIPING (11" W.C.)		P.O.C.	POINT OF CONNECTION - NEW ITEMS TO EXISTING ITEMS
	LPGH	LIQUID PETROLEUM GASOLINE PIPING (10PSIG)		F.L.S.	FLOOR SINK
	FOS	FUEL OIL SUPPLY PIPING		F.D.	FLOOR DRAIN
	FOR	FUEL OIL RETURN PIPING			PLUMBING FIXTURE SCHEDULE - (SEE SCHEDULE)
	FOV	FUEL OIL VENT PIPING		V.T.R.	PLUMBING VENT THRU ROOF
	G.V.	GLOBE VALVE		A.P.	ACCESS PANEL
	BLV	BALL VALVE		R.M.	PIPING / FIXTURE / EQUIPMENT TO BE REMOVED
	C.H.V.	CHECK VALVE		AFF	ABOVE FINISHED FLOOR
	G.C.	GAS COCK, GAS STOP		AFG	ABOVE FINISHED GRADE
	B.V.	BALANCING VALVE		BTUH	BRITISH THERMAL UNITS PER HOUR
	H.B.	HOSE BIBB		CD	CONDENSATE DRAIN
	H.V.	3/4" HOSE END DRAIN VALVE		CFH	CUBIC FEET PER HOUR
	S.O.V.	SHUT-OFF VALVE IN RISER		DN	DOWN
	B.P.	BACKFLOW PREVENTOR		(E)	EXISTING
	R.P.B.P.	REDUCED PRESSURE BACKFLOW PREVENTOR		FA	FROM ABOVE
	S.V.	SOLENOID VALVE		GPM	GALLONS PER MINUTE
	P.R.V.	PRESSURE REDUCING VALVE		HD	HEAD
	G.P.R.	GAS PRESSURE REDUCING VALVE		HR	HOUR
	S.T.R.	STRAINER		MAX	MAXIMUM
	S.T.R.V.	STRAINER WITH 3/4" HOSE END DRAIN VALVE		MBH	BRITISH THERMAL UNITS PER HOUR (THOUSANDS)
	P.T.R.	PRESSURE - TEMPERATURE RELIEF VALVE		MIN	MINIMUM
	U	UNION		(N)	NEW
	FL	FLEXIBLE PIPING CONNECTOR (U.L. LABELED FOR GAS PIPING)		NOM	NOMINAL
	W.H.A.	WATER HAMMER ARRESTOR		OC	ON CENTER
	P.R.G.	PRESSURE GAUGE WITH GAUGE COCK		PD	PRESSURE DROP
	TH	THERMOMETER		TYP	TYPICAL
	V.B.	VACUUM BREAKER		U.F.	UNDER FLOOR
				USC FCCC & HR	UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH
				WC	WATER COLUMN

SYM	DESCRIPTION	MANUFACTURER & MODEL NO.	TRIM	CONNECTIONS				REMARKS
				S/W	V	HW	CW	
RD-1	ROOF DRAIN ASSEMBLY	SUBMITTED BY CONTRACTOR FOR APPROVAL	ROOF DRAIN, NO-HUB, CLAMPING COLLAR, CAST IRON DOME STRAINER, CAST IRON BODY	-	-	-	-	SIZE AS SHOWN ON PLANS
OD-1	COMBINATION ROOF AND OVERFLOW DRAIN ASSEMBLY	SUBMITTED BY CONTRACTOR FOR APPROVAL	ROOF AND OVERFLOW DRAIN, NO-HUB, CLAMPING COLLAR, CAST IRON DOME STRAINER, CAST IRON BODY	-	-	-	-	SIZE AS SHOWN ON PLANS
DSN-1	DOWNSPOUT SCUPPER ASSEMBLY NICKEL BRONZE	SUBMITTED BY CONTRACTOR FOR APPROVAL	SPLASH BLOCK	-	-	-	-	SIZE AS SHOWN ON PLANS

PROVIDE RIGHT OR LEFT HANDED FLUSH VALVE OR FLUSH TANK HANDLE LOCATIONS PER THE LATEST A.D.A. STANDARDS FOR ALL HANDICAPPED WATER CLOSETS.

LAYOUT ITEM#	QTY.	DESCRIPTION	MANUFACTURER	MODEL	REMARKS	PLUMBING REQUIREMENTS			REMARKS	
						WATER	WASTE	GAS		
						COLD HOT	DIR. INDR.	SIZE	BTU	
K 07	2EA	HAND SINK	ADVANCE TABCO	7-PS-85	W/SOAP&TOWEL	1/2"	1/2"	1.5"		
K 08	1EA	EYEWASH FAUCET	FISHER	12645	FOR(1)K07	1/2"	1/2"			
K 10	1EA	S/S PREP TABLE	S/S FABRICATOR	CUSTOM	(2)SINKS				FS	
K 11	2EA	FAUCET	FISHER	8313		1/2"	1/2"			
K 17	1EA	PRESSURE FRYER	HENNY PENNY	PF6600				3/4"	80K	
K 19	1EA	D/D COMBI OVEN	ALTO-SHAAM	714ESG/CT	714ESG/CT	(2EA)	3/4"		FS	3/4" 91K <2EA>
K 48	1EA	REFRIGERATED TOP	S/S FABRICATOR	CUSTOM	REMOTE				FS	
K 49	1EA	REFRIGERATED BASE	S/S FABRICATOR	CUSTOM	REMOTE				FS	
K 53	1EA	REFRIGERATED TOP	S/S FABRICATOR	CUSTOM	REMOTE				FS	
K 54	1EA	REFRIGERATED BASE	S/S FABRICATOR	CUSTOM	REMOTE				FS	
K 56	1EA	HOT FOOD WELLS	WELLS	MOD50TDMF		1/2"			FS	
K 66	2EA	SOUP WELLS	WELLS	SS10D-ULT					FS	
K 67	1EA	REF. DROP-IN PAN	ATLAS	WCMDL-2					FS	
K 71	1EA	EVAPORATOR COIL	IMPERIAL	CUSTOM	COOLER				FS	
K 73	1EA	EVAPORATOR COIL	IMPERIAL	CUSTOM	FREEZER				FS	
K 80	1EA	ICE MACHINE	MANITOWOC	IY-0694N	FROM K84>	1/2"			FS	
K 83	1EA	ICE BIN	MANITOWOC	IB-570					FS	
K 84	1EA	WATER FILTER	MANITOWOC	AR-20000	TO K80>	1/2"			FS	
K 86	1EA	SOILED DISHTABLE	S/S FABRICATOR	CUSTOM					FS	
K 88	1EA	PRE-RINSE	FISHER	97578		1/2"	1/2"		FS	
K 89	1EA	DISHWASHER	BY VENDOR	ECOLAB			1/2"		FS	
K 90	1EA	DISHWASHER HOOD	CAPTIVE AIR	VH1	500 CFM				FS	
K 94	1EA	3-COMPT. SINK	S/S FABRICATOR	CUSTOM					FS	
K 98	1EA	PRE-RINSE	FISHER	97578	WALL BACKING	1/2"	1/2"		FS	
K 99	1EA	FAUCET	FISHER	98930		1/2"	1/2"		FS	
K 102	1EA	BEVERAGE COUNTER	S/S FABRICATOR	CUSTOM					FS	
K 105	1EA	COFFEE BREWER	BY VENDOR		W/HW	1/2"				
K 106	1EA	TEA DISPENSER	BY VENDOR			1/2"				
K 108	1EA	SODA DISPENSER	BY VENDOR	CARBONATOR	BIB RACK	1/2"				
K 109	1EA	ICE MACHINE	MANITOWOC	IB-0894YC	FROM K122>	1/2"				
K 112	1EA	WATER FILTER	MANITOWOC	AR-20000	TO K119>	1/2"				

\* SEE KITCHEN DESIGN DRAWINGS FOR EQUIPMENT DESIGNATIONS

SYM	DESCRIPTION	MANUFACTURER & MODEL NO.	TRIM	CONNECTIONS			REMARKS	
				S/W	V	HW		CW
WC-1	WATER CLOSET, FLOOR MTD, FLUSH VALVE, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET ACTION, 1 1/2" TOP SPUD	SUBMITTED BY CONTRACTOR FOR APPROVAL	FLUSH VALVE: HARD WIRED SENSOR OPERATED SEAT: HEAVY DUTY SOLID PLASTIC, WHITE, OPEN FRONT LESS COVER, STAINLESS STEEL CHECK HINGE STOP W/ FLEXIBLE SUPPLY HOSE AND BOLT CAP COVERS, MFAB SERIES MC-10 CARRIER AT HEIGHT FOR ADA COMPLIANCE.	4"	2"	-	1 1/4"	1.6 GALLONS PER FLUSH, ADA COMPLIANT WHEN INSTALLED AT REQUIRED HEIGHT
WC-2	WATER CLOSET, FLOOR MTD, FLUSH VALVE, VITREOUS CHINA, ELONGATED BOWL, SIPHON JET ACTION, 1 1/2" TOP SPUD	SUBMITTED BY CONTRACTOR FOR APPROVAL	FLUSH VALVE: HARD WIRED SENSOR OPERATED SEAT: HEAVY DUTY SOLID PLASTIC, WHITE, OPEN FRONT LESS COVER, STAINLESS STEEL CHECK HINGE STOP W/ FLEXIBLE SUPPLY HOSE AND BOLT CAP COVERS, MFAB SERIES MC-10 CARRIER AT HEIGHT FOR ADA COMPLIANCE.	4"	2"	-	1 1/4"	
U-1	URINAL, WALL HUNG, FLUSH VALVE, TOP SPUD, FLUSHING RIM, BLOWOUT FLUSHING ACTION, VITREOUS CHINA, COLOR WHITE	SUBMITTED BY CONTRACTOR FOR APPROVAL	FLUSH VALVE: HARD WIRED SENSOR OPERATED	2"	2"	-	1"	ADA COMPLIANT WHEN MOUNTED PER REQS. 1.0 GALLONS PER FLUSH
L-1	LAVATORY, WALL HUNG, WHITE VITREOUS CHINA, 4" CENTER FAUCET HOLES, FRONT OVERFLOW FAUCET LEDGE, SELF DRAINING DECK WITH CONTOURED BACK AND SIDE SPLASH SHIELDS.	SUBMITTED BY CONTRACTOR FOR APPROVAL	1 1/2" CAST BRASS TAILPIECE AND P-TRAP WITH CLEANOUT FITTING, CHROME PLATED SUPPLIES WITH LOOSE KEY STOPS. FAUCET SHALL BE HARD WIRED SENSOR OPERATED WITH TEMPERATURE MIXING VALVE, 0.5 GPM FLOW RESTRICTOR. PROVIDE WITH GRID DRAIN AND PREFORMED INSULATION KIT FOR HOT WATER SUPPLY PIPING AND DRAIN/P-TRAP FOR ADA COMPLIANCE	1 1/2"	1 1/2"	1/2"	1/2"	ADA COMPLIANT WHEN INSTALLED WITH OFFSET DRAIN AND AT REQUIRED HEIGHT
FS-1	FLOOR SINK, 12"x12"x10" DEEP, CAST IRON BODY, WHITE ACID RESISTING PORCELAIN ENAMEL INTERIOR	SUBMITTED BY CONTRACTOR FOR APPROVAL	NICKLE BRONZE RIM AND GRATE, SEDIMENT BUCKET	2"	2"	-	-	GRATE CONFIGURATION PER PLANS
SS-1	SERVICE SINK, 24"x24", FLOOR MOUNTED, PRECAST TERRAZZO	SUBMITTED BY CONTRACTOR FOR APPROVAL	SINK TRIM: STAINLESS STEEL CAPS ON ALL TOP EDGES, STAINLESS STEEL INTEGRAL DRAIN BODY, GRID STRAINER - FAUCET TRIM: 8" CENTERS, RED BRASS ALLOY CASTING - ROUGH FINISH, PAIL HOOK w/ WALL SUPPORT, WITH 3/4" HOSE OUTLET, VACUUM BREAKER, INTEGRAL CHECK STOPS, HOSE AND CLAMP, MOP HANGER, WALL BRACE ROD	3"	2"	3/4"	3/4"	MOUNTED IN HVAC RM.
WHA-1	WATER HAMMER ASSEMBLY	SUBMITTED BY CONTRACTOR FOR APPROVAL	w/ ACCESS PANEL AND BLV	-	-	-	-	SIZE AS INDICATED ON FLOOR PLANS

FULLY SPRINKLERED

<b>CONSULTANTS:</b>  ENGINEERING CONFIDENCE Airfield Electrical Mechanical 385 Gentry Way Reno, NV 89502 Ph: 775.826.4044 Fax: 775.826.4190 www.dinter.com J-4217.6	 <b>ARCHITECT/ENGINEERS:</b>  vern martin design associates (a Nevada Corporation) Food Facilities Design 760 Robin St., Reno, Nevada 89509 P:(775) 240-2637 F:(775) 201-0066 E:vern@martinreno.com	<b>VanWoert Bigotti architects</b> 1400 s. virginia st suite c reno, nevada 89502 p: 775.328.1010 f: 775.328.1020 info@vwarchitects.com	Drawing Title <b>PLUMBING SYMBOL LIST,                  PLUMBING CONNECTION SCHEDULE                  PLUMBING FIXTURE SCHEDULE</b>	Project Title <b>VA SIERRA NEVADA HEALTH CARE                  SYSTEM - CANTEEN RELOCATION                  DESIGN - RENO, NEVADA</b>	Project Number <b>654-11-227</b>	Office of Construction and Facilities Management 
			Approved Project Director	Location <b>975 KIRMAN AVE. RENO, NEVADA 89502</b>	Building Number <b>1</b>	
Revisions:	Date	Date <b>06 JAN, 2012</b>	Checked <b>TPF</b>	Drawn <b>EBW</b>	Dwg - of -	