

LEGEND - PLUMBING		
SYMBOL	ABBREV.	DESCRIPTION
---	S OR W	SANTARY OR WASTE PIPING BELOW FLOOR OR GRADE
---	S OR W	SANTARY OR WASTE ABOVE GROUND
-----	V	VENT PIPING
---	CW	DOMESTIC COLD WATER
---	HU	DOMESTIC HOT WATER
---	HUR	HOT WATER RECIRCULATE
---	G	NATURAL GAS PIPING
○	VTR	SANTARY VENT THROUGH ROOF
○	FD	FLOOR DRAIN
○	HD	HUB DRAIN
---	CO	CLEANOUT
---	FCO	FLOOR CLEANOUT
---	WCO	WALL CLEANOUT
---	NFWS	NON FREEZE WALL HYDRANT
---	BV	BALL VALVE
---	CV	CHECK VALVE
---	BC	BALANCING COCK OR VALVE
---	WHA	WATER HAMMER ARRESTOR (P.D.) SIZE
---	BFP	BACKFLOW PREVENTER ASSEMBLY
---	RPZ	REDUCED PRESSURE ZONE (BFP)
---	FRV	PRESSURE REDUCING VALVE
---	T & P	TEMPERATURE AND PRESSURE RELIEF VALVE
---	TP	TRAP PRIMER
---		PRESSURE GAUGE WITH GAUGE COCK
---		THERMOMETER
---		UNION
---		STRAINER
---	IE	INVERT ELEVATION
---		DIRECTION OF FLOW IN PIPE
---		DIRECTION OF FITCH OF PIPE
---		CONNECT TO EXISTING
---		REFER TO PLUMBING KEYNOTES
---		CONTINUE TO DESIGNATED LOCATION
	ARG	ABOVE FINISHED GRADE
	BFF	BELOW FINISHED FLOOR
	BRG	BELOW FINISHED GRADE
	AIC	ABOVE CEILING
	AIF	ABOVE FLOOR
	BIF	BELOW FLOOR
	BIG	BELOW GRADE
	AFG	ABOVE FINISHED FLOOR
	O/H	OVER-HEAD
		HUB DRAIN
		P-TRAP
		PIPING UP
		PIPING DOWN
		PIPING TEE
		PLUMBING FIXTURE DESIGNATION
	F	DEGREE FAHRENHEIT
	FT	FOOT
	GPM	GALLONS PER MINUTE
	RPM	REVOLUTIONS PER MINUTE
	ENT.	ENTERING
	LVG.	LEAVING
	PSI	POUNDS PER SQUARE INCH
	PH	PHASE
	GPH	GALLONS PER HOUR
	EFF	EFFICIENCY
	HP	HORSE POWER
	GAL	GALLON
	CFH	CUBIC FEET PER HOUR
	IN	INCH
	CD	CONDENSATE

PLUMBING FIXTURE SCHEDULE						
TAG	FIXTURE	CW	HU	WASTE	VENT	SPECIFICATION
WC-1	WATER CLOSET - FLR MTD.	1"	N/A	4"	2"	TOTO CT128CUP W/ TOTO SC534 SEAT, TETILAZ2PFC (1.28 GPF) SENSOR (BATTERY) FLUSH VALVE AND FLOOR MOUNTED UPRIGHTS.
LV-1	LAVATORY - UNDERMOUNT	1/2"	1/2"	2"	1-1/2"	CORIAN 8392 UNDERMOUNT LAVATORY W/ SLOAN EBF-719 (2.9 GPM) FAUCET, ASSE 1610 THY, GRID STRAINER 1-1/4" X 1-1/2" P-TRAP, INSULATION KIT, SUPPLY STOPS
SK-1	SINGLE COMP. SINK - BREAK ROOM	1/2"	1/2"	2"	1-1/2"	CORIAN 8410 ACRYLIC POLYESTER SINK, SLOAN EBF-790 DECK MTD FAUCET, W/ 4" CENTERS AND 8" PRAYER, PROVIDE P-TRAP, TAILPIECE, LOCAL FIXING VALVE, AND WATER STOPS.
DF-1	DRINKING FOUNTAIN - ADA	1/2"	N/A	2"	1-1/2"	ELKAY VRCORNSINK WALL MOUNTED SINGLE FOUNTAIN PROVIDE 1-1/4" P-TRAP AND SUPPLY STOPS W/ ELECTRIC WATER COOLER, PROVIDE ADA COMPLIANT INSTALLATION.
MS-1	MOP SINK	1/2"	1/2"	3"	1-1/2"	STERN-WILLIAMS HL-1600 RECEPTOR, W/ HSEN 8124 VACUUM BREAK FAUCET, TRING FLANGE, 1 SPLASH CATCHER PANEL.
WB-1	WATER CONNECTION BOX	1/2"	N/A	N/A	N/A	GATEY 334-0 ICE MAKER BOX, 1/2 TURN BRASS HAMMER BALL VALVE, WATER HAMMER ARRESTOR, LOU LEAD, COPPER SWEAT, PROVIDE BACK FLOW PREVENTION.
FD	FLOOR DRAIN	N/A	N/A	3"	N/A	JR SMTH 200-00 WITH 4" TYPE B SQUARE ADJUSTABLE STRAINER WITH SATIN NICKEL BRONZE FINISH, PROVIDE WITH VANDAL PROOF, SECURED TOP AND TRAP PRIMER.
FCO	FLOOR CLEAN OUT	N/A	N/A	N/A	N/A	JR SMTH 4031 WITH TAPER THREAD BRONZE PLUG AND ROUND ADJUSTABLE SCORATED SECURED NICKEL BRONZE TOP.
WCO	WALL CLEAN OUT	N/A	N/A	N/A	N/A	JR SMTH 410 OR 415 STAINLESS STEEL SHALLOW COVER OR CHROME PLATED BRONZE DEEP COVER WITH CENTER SCREW.
NFWS	NON-FREEZE WALL HYDRANT	3/4"	N/A	N/A	N/A	WOODFORD 866 SERIES, FLUSH MOUNT, RECESSED BOX, SELF-DRAINING, VACUUM BREAKER, LOCKABLE.

ELECTRIC WATER HEATER SCHEDULE									
TAG	TANK (GAL)	NO. OF HEATERS	TOTAL KW	V/Ø	RECOVERY (GPH)	TEMP. RISE (F)	SUPPLY (F)	BASIS OF DESIGN	NOTES
WH-1	20	1	6	208/3	3	80	140	AO SMTH: DSE	1

NOTES:
1 DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR

MIXING VALVE SCHEDULE							
TAG	MIN. FLOW (GPM)	MAX. FLOW (GPM)	PRES. DROP (PSI)	ENT. WATER TEMP. (F)	LVG. WATER TEMP. (F)	BASIS OF DESIGN	NOTES
MV-1	Ø.5	2.0	10	140	110	LEONARD 310-LF	1, 2

NOTES:
1 TRANSITION TO PIPE SIZES SHOWN ON DRAWING AT VALVE INLET/OUTLET
2 ASSE STANDARD 1617 COMPLIANT.

HOT WATER CIRCULATING PUMP SCHEDULE									
TAG	TYPE	SERVICE	HEAD (FT)	GPM	WATTS	RPM	VOLT/PH	BASIS OF DESIGN	NOTES
RP-1	CLOSED-COUPLE IN-LINE	DOMESTIC HOT WATER	10	4	50	3,000	120/1	BELL & GOSSETT NDF	1, 2, 3

NOTES:
1 DISCONNECT SWITCH FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
2 MOTOR SHALL BE PREMIUM EFFICIENCY.
3 BODY SHALL BE LEAD FREE BRONZE OR STAINLESS STEEL CONSTRUCTION.

SHEET LIST PLUMBING	
SHEET NUMBER	SHEET NAME
P100	SCHEDULES, LEGENDS & NOTES - PLUMBING
P110	DETAILS - PLUMBING
P120	DEMOLITION PLAN - PLUMBING
P220	FLOOR PLAN - DOMESTIC WATER
P21	FLOOR PLAN - SANTARY & VENT

NO.	DATE	ISSUANCE / REVISIONS
		ISSUANCE FOR PERMIT AND BID