PLUMBING FIXTURE CONNECTION SCHEDULE

TAG	DESCRIPTION	HW	CW	TRAP	WASTE	VENT	MOUNTING HT.	NOTES
WC-1	ADA WALL MOUNTED WATER CLOSET	-	1"	-	4"	1 1/2"	-	
WC-2	WALL MOUNTED WATER CLOSET	-	1"	-	4"	1 1/2"	-	
UR-1	ADA URINAL	-	3/4"	2"	2"	1 1/2"	-	
LAV-1	ADA WALL MOUNTED LAVATORY	1/2"	1/2"	1 1/4"	1 1/2"	1 1/2"	-	
LAV-2	ADA COUNTER LAVATORY	1/2"	1/2"	1 1/4"	1 1/2"	1 1/2"	-	SINK BY DIV. 6
SK-1	ADA CLASSROOM SINK W/ DRINKING FOUNTAIN	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	-	
SK-2	ADA CAFETERIA SINK	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	-	SINK BY DIV. 6
SK-3	ADA ART ROOM SINK W/ SOLID WASTE INTERCEPTOR	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	-	
SK-4	ADA FACULTY SINGLE BOWLSINK	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	-	
SK-5	ADA SERVICE SINK	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	-	
SK-6	ADA SINGLE BOWL SINK	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	-	
SK-7	ADA MUSIC ROOM SINK	1/2"	1/2"	1 1/2"	1 1/2"	1 1/2"	-	
SH-1	ADA SHOWER	1/2"	1/2"	2"	2"	1 1/2"	-	
SH-2	ADA SHOWER	1/2"	1/2"	2"	2"	1 1/2"	-	
SH-3	ADA SHOWER	1/2"	1/2"	2"	2"	1 1/2"	-	
EWC-1	ADA DUAL HEIGHT ELECTRIC WATER COOLER	-	1/2"	1 1/4"	1 1/2"	1 1/2"	-	
MR-1	MOP RECEPTOR	1/2"	1/2"	3"	3"	2"	-	
WB-1	CLOTHES WASHER WALL BOX CONNECTION	1/2"	1/2"	2"	2"	1 1/2"	-	SEE DETAIL
EE-1	ADA EMERGENCY EYEWASH	1/2"	1/2"	-	-	-	-	1/2" TEMPERED WATER
EE-2	EYEWASH W/ DRENCH HOSE	1/2"	1/2"	-	-	-	-	1/2" TEMPERED WATER
FD-1	FLOOR DRAIN	-	-	2"	2"	1-1/2"	-	STANDARD DUTY
FD-2	FLOOR DRAIN	-	-	2"	2"	1-1/2"	-	HEAVY DUTY
FD-3	FLOOR DRAIN W/ FUNNEL	-	-	2"	2"	1-1/2"	-	
FS-1	FLOOR SINK	-	-	3"	3"	2"	-	HALF GRATE
HB-1	HOSE BIB	-	1/2"	-	-	-	-	INTERIOR
WH-1	WALL HYDRANT	-	1/2"	-	-	-	-	FROST PROOF

MIXING VALVE SCHEDULE

TAG	SERVICE	MIN. FLOW (GPM)	DESIGN FLOW (GPM)	OUTLET TEMP. SET POINT (DEG. F)	MAX. PRESS. DROP @ DESIGN FLOW (PSI)	INLETS (IN)	OUTLET (IN)	MODEL #	NOTES
MV-1	DHW SYSTEM	1.0	20	120	5	1	1 1/4	TM-820-RF-0-DT-TC	①②
MV-2	TYPICAL EYE WASH	0.5	2.5	85	5	1/2	1/2	TA-300	①②

MIXING VALVE SCHEDULE NOTES:
① BASED ON LEONARD
② INLET CHECK-STOPS

PUMP SCHEDULE

UNIT	LOCATION	SYSTEM	MODEL	TYPE	GPM	HEAD FT	HP	RPM	POWER	NOTES
SP-1	ELEVATOR PIT	SUMP PUMP	940-0007	SUMP	42	25	1/2	3250	120/1	①
RP-1	MECH. RM 230	HWR	IL0098F	INLINE	5	9	1/8	3250	120/1	②③
RP-2	MECH. RM 230	140° HWR	IL007BF	INLINE	2	9	1/25	3250	120/1	②③

PUMP SCHEDULE NOTES:
① BASED ON ZOELLER OIL SMART PACKAGED SIMPLEX SYSTEM
② BASED ON TACO
③ BRONZE CONSTRUCTION

DOMESTIC WATER HEATER SCHEDULE

UNIT	MODEL #	FIRST HOUR RATING (GAL.)	INPUT MBH	COIL FLOW GPH	WPD FT. HD.	STORAGE GAL.	ELEC.	NOTES
DWH-1	V200SPH-375	450 @ 100F RISE	370	10	<5	200	120/15A	①②③
DWH-2	V500SST-304	N/A	N/A	N/A	N/A	500	N/A	④

① BASED ON CEMLINE SPH SERIES INDIRECT FIRED PLATE TYPE HEAT EXCHANGER
② BASED ON 180°F ENTERING BOILER WATER, INPUT AND 50°F DELTA T
③ SINGLE POINT POWER CONNECTION, FACTORY INSTALLED INTERGRAL TANK SIDE CIRCULATOR AND CONTROLS.
④ SOLAR THERMAL PREHEAT STORAGE TANK, VERTICAL 48"Ø x 72".

PLUMBING EXPANSION TANK SCHEDULE

TAG	SERVICE	MODEL #	TANK			NOTES
			VOLUME	DIA.	HEIGHT	
PET-1	DHW SYSTEM	ST 60V-C	11.3	16	34	①②③

PLUMBING EXPANSION TANK SCHEDULE NOTES:
① BASED ON AMTROL THERM-X-TROL
② STANDARD 40 PSIG FACTORY PRECHARGE
③ SCHEDULED VOLUME IS ACCEPTANCE VOLUME

TRAP PRIMER SCHEDULE

TAG	MODEL #	INLET	MANIFOLD		ELEC.	MOUNTING	NOTES
			OUTLETS	CONNECTION			
TP-1	Z1020	1/2"	5	1/2" PEX	120V	SURFACE	①②
TP-2	Z1020-10	1/2"	10	1/2" PEX	120V	SURFACE	①②
TP-3	Z1022	1/2"	1 - 4	1/2" UNION	-	INLINE	①

TRAP PRIMER SCHEDULE NOTES:
① BASED ON ZURN.
② PROVIDE W/ TRANSFORMER (120V/24VAC, 1 AMP FUSE), BALL VALVE, & VACUUM BREAKER.

PLUMBING SYMBOLS & ABBREVIATIONS

SYMBOL	ABV.	DESCRIPTION
	HW	HOT WATER PIPING
HT	HT	TEMPERATURE MAINTENANCE HEAT TRACE
THW	THW	TEPID HOT WATER PIPING (TEMP IN □F)
140° HT	140°	140° HOT WATER PIPING (TEMP IN □F) W/ TEMPERATURE MAINTENANCE HEAT TRACE
	HWR	HOT WATER RETURN PIPING
	CW	COLD WATER PIPING
	W	SANITARY WASTE PIPING
	W	SANITARY WASTE PIPING BELOW SLAB
GW	GW	GREASE WASTE PIPING BELOW SLAB
	V	VENT PIPING
CD	CD	CONDENSATE DRAIN PIPING
PC	PC	PUMPED CONDENSATE
PW	PW	PUMPED WASTE
RW	RW	RAINWATER PIPING
RW	RW	RAINWATER PIPING BELOW SLAB
RWO	RWO	RAINWATER OVERFLOW PIPING
GRW	GRW	GREEN ROOF RAINWATER PIPING
GRW	GRW	GREEN ROOF RAINWATER BELOW SLAB
G	G	GAS PIPING
		PIPE TURNING UP
		PIPE TURNING DOWN
FCO		FLOOR CLEANOUT
CO		WALL OR END OF LINE CLEANOUT
FD		FLOOR DRAIN
RD		ROOF DRAIN
		SHUT-OFF VALVE
		BALANCING VALVE
		CHECK VALVE
	B.I.P.	BLACK IRON PIPE
		PLUMBING FIXTURE CONNECTION
	VTR	VENT THRU ROOF
	V.I.F.	VERIFY IN FIELD
		BACKFLOW PREVENTER
DWH		DOMESTIC WATER HEATER
(2)		TECHNICAL NOTE, PERTAINS ONLY TO THE SHEET ON WHICH IT APPEARS.
TP	TP	NON - ELECTRONIC TRAP PRIMER
DU	DU	TRAP PRIMER DISTRIBUTION UNIT
WHA	WHA	WATER HAMMER ARRESTOR
		NEW TO EXISTING CONNECTION

REV.	DESCRIPTION	DATE
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PERMIT APPLICATION SUBMISSION 3-18-09

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OCEAN AVENUE ELEMENTARY SCHOOL
PORTLAND, ME
PROJECT:

PLUMBING LEGEND & SCHEDULES
SHEET TITLE:

WBRC CAD FILE:	331610-PL601
PROJECT No.	331610
SCALE:	N.T.S.
PROJECT MANAGER:	MEJ
DRAWN BY:	LAC
CHECKED BY:	DMON

GRAPHIC SCALE: 0" 1"

SHEET No. PL601

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