PLUMBING FIXTURE SCHEDULE (1)(2)

MARK	FIXTURE	PIPE SIZE					REMARKS
		TRAP	WASTE	VENT	C.W.	H.W.	
BFP	DOUBLE CHECK VALVE BACK-FLOW PREVENTER	-	-	-	2"	-	BACK-FLOW PREVENTER FOR MAIN WATER ENTRANCE
DF-1	DRINKING FOUNTAIN	1-1/2"	1-1/2"	1-1/2"	1/2"	-	ELECTRIC BI-LEVEL WITH SINGLE BOTTLE FILL STATION (ADA APPROVED)
DS-1	DOWN SPOUT NOZZLE	-	-	-	-	-	SIZE PER LINE SIZE SHOWN ON SHEET P102
FD-1	FLOOR DRAIN	2"	2"	2"	-	-	WITH DEEP SEAL P-TRAP WITH TRAP PRIMER CONNECTION.
FD-2	FLOOR DRAIN	3"	3"	2"	-	-	WITH DEEP SEAL P-TRAP AND TRAP PRIMER CONNECTION.
FS-1	FLOOR SINK	3"	3"	2"	-	-	WITH DEEP SEAL P-TRAP AND TRAP PRIMER CONNECTION.
FSE-1	WASH SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNTED, PROVIDE FINAL CONNECITONS.
H-1	WALL HYDRANT	-	-	-	3/4"	-	NON-FREEZE TYPE (3)
HB-1	INTERIOR HOSE BIBB	-	-	-	1/2"	1/2"	INTERIOR HOT AND COLD TYPE WITH REMOVABLE HANDLES
L-1	LAVATORY	1-1/4"	1-1/4"	1-1/2"	1/2"	1/2"	SELF SUPPORTING 20"X18", ADA MOUNTED
MV-1	MIXING VALVE	-	-	-	1/2"	1/2"	SEE DISCHARGE TEMPERATURE AT 110°F. SEE DETAIL D/P501. (4)
MV-2	MIXING VALVE	-	-	-	3/4"	3/4"	MOUNTED ADJACENT TO WATER HEATER. SET DISCHARGE TEMPERATURE AT 100°F. MEETS ASSE 1017. SEE DETAIL G/P502.
OD-1	OVERFLOW DRAIN	-	-	-	-	-	(PRIMARY DRAIN) SIZE PER LINE SIZE SHOWN ON SHEET P102
RD-1	ROOF DRAIN	-	-	-	-	-	(SECONDARY DRAIN) SIZE PER LINE SIZE SHOWN ON SHEET P102
S-1	SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	DOUBLE COMPARTMENT SINK WITH DISPOSAL.
S-2	SINK	1-1/2"	1-1/2"	1-1/2"	1/2"	1/2"	SINGLE COMPARTMENT SINK
SS-1	SERVICE SINK	3"	3"	2"	1/2"	1/2"	FLOOR TYPE
SS-2	SERVICE SINK	2"	2"	2"	1/2"	1/2"	LAUNDRY TYPE WITH STAINLESS STEEL CONSTRUCTION COMPLETE WITH LEGS AND DECK MOUNTED GOOSENECK FAUCET.
W-1	WASHER BOX	2"	2"	2"	3/4"	3/4"	MOUNT RECESSED IN WALL. SEE DETAIL E/P502
WC-1	WATER CLOSET	INT.	4"	2"	1/2"	-	FLUSH VALVE, 18" RIM HEIGHT (ADA APPROVED, FLOOR MOUNTED)
WH-1	WATER HEATER	-	-	-	1-1/4"	1-1/4"	GAS FIRED, TANKLESS TYPE WITH 199,000 BTU/HR. INPUT, 84% THERMAL EFF. CONDENSING TYPE. DIRECT VENT WITH SINGLE OR DOUBLE FLUE TERMINATION.
WH-2	WATER HEATER	-	-	-	3/4"	3/4"	20 GALLON ELECTRIC WATER HEATER WITH 4.5 ELEMENT, T&P RELIEF VALVE AND DRAIN VALVE. SEE DETAIL A/P502
WH-3	WATER HEATER	-	-	-	1/2"	1/2"	ELECTRIC, TANKLESS TYPE WITH 2.6 KW (208V/1Ø). SET TO 80°F THERMOSTATIC CONTROL. SEE DETAIL J/P502.

(1) COLD WATER FIXTURE UNITS ARE 116.
WASTE WATER FIXTURE UNITS ARE 146.

(2) WHEN MOUNTED PER ARCHITECTURAL ELEVATIONS, ADA ACCESSIBILITY REQUIREMENTS ARE SATISFIED.

(3) PROVIDE MIXING VALVE FOR HOT WATER.

GENERAL NOTES:

1. ALL FLOOR DRAINS AND FLOOR SINKS SHALL BE PROVIDED WITH ½" TRAP PRIMER VALVE, PIPING, AND FITTINGS AS REQUIRED BY LOCAL AUTHORITIES.
2. FIELD VERIFY ALL MEASUREMENTS PRIOR TO LAYING AND CONNECTING ANY PIPING, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
3. PROVIDE SHOCK ARRESTORS FOR PREVENTING WATER HAMMER AT EACH BATTERY OF FIXTURES ON THE COLD AND HOT WATER SUPPLIES. PROVIDE SHOCK ARRESTORS AT ISOLATED PLUMBING FIXTURES. SHOCK ARRESTORS SHALL BE FACTORY FABRICATED AND LOCATED FULLY ACCESSIBLE. SHOCK ARRESTORS SHALL BE SIZED PER PLUMBING AND DRAINAGE INSTITUTE STANDARD WH-201. AIR CHAMBERS ARE NOT ACCEPTABLE.
4. MAINTAIN FIRE RATING AND WEATHER PROOFING INTEGRITY OF ALL PIPING PENETRATIONS.
5. ROUTE ALL PIPING ABOVE CEILINGS, WITHIN WALLS, OR IN CHASES EXCEPT AS SPECIFICALLY NOTED.
6. PROVIDE ACCESS PANELS TO ALL VALVES WITHIN CHASES OR ABOVE NON-ACCESSIBLE CEILINGS. SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
7. ALL SERVICES SHOWN ON THESE DRAWINGS SHALL TERMINATE 5'-0" OUTSIDE THE BUILDING, UNLESS OTHERWISE NOTED ON THE DRAWINGS. MAKE FINAL CONNECTIONS TO ALL SITE UTILITIES, AND INCLUDE INCREASER AND REDUCER FITTINGS WHERE NECESSARY.
8. PROVIDE HOSE BIBBS AND WALL HYDRANTS 24" ABOVE FINISH FLOOR/GRADE AND INCLUDE BACK FLOW PREVENTION DEVICES.
9. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF PLUMBING FIXTURE MOUNTING HEIGHTS AND DIMENSIONS. DO NOT SCALE DRAWINGS. DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO SHOW GENERAL ROUTING.
10. SEE ARCHITECTURAL DRAWINGS FOR ROOF DRAIN LOCATIONS.
11. ALL COPPER PIPE PENETRATIONS THROUGH CONCRETE WALLS AND FLOORS SHALL BE SLEEVED. SLEEVES SHALL BE SCHEDULE 40 PVC. ALL COPPER PIPE WITHIN CONCRETE BLOCK WALL SHALL BE WRAPPED WITH UPC PLASTIC COVERING.
12. VERIFY ELEVATIONS OF SEWER PIPING TO WHICH NEW SEWERS ARE TO BE CONNECTED PRIOR TO INSTALLATION OF ANY PIPING.
13. ALL VENTS THROUGH THE ROOF SHALL BE A MINIMUM OF 10'-0" FROM ANY AIR INTAKE.
14. PROVIDE DIELECTRIC UNIONS AT CONNECTIONS OF DISSIMILAR METALS.
15. DO NOT PENETRATE WALL FOOTINGS WITH PIPE, COORDINATE WITH GENERAL CONTRACTOR TO DROP FOOTINGS AS REQUIRED TO CLEAR PLUMBING SERVICES WHERE ABSOLUTELY NECESSARY. ALL PIPES PENETRATING A BEARING WALL OR FOOTING MUST BE SLEEVED AND LOCATION APPROVED BY THE STRUCTURAL ENGINEER.
16. THE CONTRACTOR IS EXPECTED TO ORDER MATERIALS IN SUFFICIENT TIME TO AVOID DELAYING THE COMPLETION OF THE PROJECT. DELAY IN DELIVERIES WILL NOT BE CONSIDERED A JUSTIFIABLE REASON FOR SUBSTITUTION OF MATERIALS.

MECHANICAL LEGEND

ABRBREVIATION	DESCRIPTION	SYMBOL	DESCRIPTION
AFF	ABOVE FINISHED FLOOR		SOIL OR WASTE PIPING
BFF	BELOW FINISHED FLOOR		VENT LINE PIPING
CD	CONDENSATE DRAIN LINE		DOMESTIC COLD WATER PIPING
CO	CLEAN OUT		DOMESTIC HOT WATER PIPING
CONT.	CONTINUED		HOT WATER RECIRC. PIPING
COTG	CLEAN OUT TO GRADE	T	TEMPERED WATER PIPING
CW	COLD WATER (POTABLE)	G	GAS PIPING
DWG.	DRAWING	RDL	ROOF DRAIN LEADER PIPING
EWC	ELECTRIC WATER COOLER	RDO	ROOF DRAIN OVERFLOW PIPING
FCO	FLOOR CLEAN OUT	CD	CONDENSATE DRAIN LINE
VFD	VARIABLE FREQUENCY DRIVE		DIRECTION OF FLOW INDICATOR
HW	HOT WATER (POTABLE)		GATE VALVE
HWRC	HOT WATER RECIRC.		BALL VALVE
INT.	INTERNAL TRAP		CHECK VALVE
REFR	REFRIGERANT		CIRCUIT SETTER
V	VENT		PIPE DROP
VTR	VENT THRU ROOF		PIPE RISE
WCO	WALL CLEANOUT	1	PLAN NOTE
FAV	FIRE SPRINKLER RISER VALVE	EQ 1	EQUIPMENT SYMBOL
	FIRE DEPARTMENT SIAMESE CONNECTION		PRESSURE REDUCING VALVE
	ELECTRIC ALARM GONG		REDUCED PRESSURE BACKFLOW PREVENTER
	MOTORIZED 3 WAY MIXING OR DIVERTING VALVE		

ORIGINAL DRAWING SIGNED BY: DWAYNE C. SUDWEEKS
DATE ORIGINAL SIGNED: April 15, 2018
ORIGINAL ON FILE AT ENGINEERED SYSTEMS ASSOCIATES
1355 EAST CENTER, POCATELLO, IDAHO 83201

MECHANICAL REGISTERED PROFESSIONAL ENGINEER 91171PE OREGON MAY 11, 2016 DWAYNE C SUDWEEKS
EXPIRES: 06/30/2018

Engineered Systems Associates
1355 EAST CENTER
POCATELLO, IDAHO 83201
PHONE: (208) 233-0501
FAX: (208) 233-0529
EMAIL: esa@engsystems.com
ESA JOB NUMBER: 16038

Architect / Engineer:
JRW ARCHITECTS
1152 BOND AVENUE - Suite A V 208.359.2309
REXBURG, IDAHO 83440 Fax 208.359.2271

Stamp:

SPRINGFIELD OREGON
BISHOP'S STOREHOUSE
SPRINGFIELD OREGON

Project for:
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS

Project Number: WEC 15504
Plan Series: - JRWA Proj. 662
Property Number: 541-8550

Sheet Title: PLUMBING SCHEDULES

Sheet: P601