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PLUMBING ABBREVIATIONS

AC	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
AP	ACCESS PANEL
+	AND
BFP	BACKFLOW PREVENTOR DEVICE
C, CW	COLD WATER
CO/WCO/FCO	CLEANOUT/WALL/FLOOR
CFH	CUBIC FEET PER HOUR
COND	CONDENSATE
Ø, DIA	DIAMETER
DIW	DOWN IN WALL
DN	DOWN
DWV	DRAIN, WASTE, & VENT
EA	EACH
EXIST., (E)	EXISTING (TO REMAIN)
EWB	ELECTRIC WATER HEATER
FD	FLOOR DRAIN
FL, FLR	FLOOR
FM	FORCE MAIN
GPF	GALLONS PER FLUSH
GPM	GALLONS PER MINUTE
H, HW	HIGH, HOT WATER
HB	HOSE BIBB
HC	HANDICAPPED ACCESSIBLE
HWR	HOT WATER RECIRCULATION
HW OR ID	INDIRECT WASTE
LAV	LAVATORY
L	LENGTH
MISC.	MISCELLANEOUS
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OH	OPPOSITE HAND
PDI	PLUMBING + DRAINAGE INSTITUTE
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE PIPE
RW	RAIN WATER
S	SOIL
SA	SHOCK (WATER HAMMER) ARRESTOR
SAN	SANITARY
SIM	SIMILAR
ST	STORM
T+P	TEMPERATURE + PRESSURE RELIEF VALVE
TMV	THERMOSTATIC MIXING VALVE
TP	TRAP PRIMER
TW	TEMPERED WATER
TYP	TYPICAL
UG	UNDERGROUND
URN	URINAL
V	VENT
VIF	VERIFY IN FIELD
VP	VANDEL PROOF
VTR	VENT THRU ROOF
W/	WITH
W/O	WITHOUT
W	WASTE
WC	WATER CLOSET
WH	WALL HYDRANT
WCO	WALL CLEANOUT

GENERAL NOTES

- ALL PLUMBING FIXTURES SHALL BE BACK VENTED. VENTS SHALL RISE OFF WASTE/SANITARY PIPING AND SHALL NOT RUN HORIZONTAL UNTIL THEY ARE ABOVE THE HIGHEST FLOOD RIM OR ALL FIXTURES CONNECTED TO THAT BRANCH.
- ALL PLUMBING SHALL BE IN ACCORDANCE W/ THE UNIFORM PLUMBING CODE OR THESE PLANS AND SPECIFICATIONS, WHICH EVER IS MORE STRINGENT.
- ALL PIPING IS SHOWN DIAGRAMMATICALLY AND MAY BE RELOCATED TO BEST FIT ACTUAL CONDITIONS W/ APPROVAL OF THE ARCHITECT/ENGINEER.
- CAREFULLY COORDINATE LOCATION OF ALL PIPING W/ OTHER CONTRACTORS WHERE CONCURRENT WORK MAY PRESENT POTENTIAL CONFLICTS. COORDINATE EXACT LOCATION OF NEW EQUIPMENT W/ LOCATION OF EXISTING ITEMS TO REMAIN, AND W/ EXISTING AND NEW ARCHITECTURAL/STRUCTURAL FEATURES.
- ALL HOT AND COLD WATER PIPING NOT BURIED OR SPECIFIED OTHERWISE SHALL BE INSULATED IN ACCORDANCE W/ THE SPECIFICATIONS.
- THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO ALL PLUMBING SERVICED FIXTURES AND EQUIPMENT PROVIDED BY OTHERS.
- PROVIDE SHOCK ABSORBERS TO AVOID WATER HAMMER, AS REQUIRED, AND/OR WHERE SHOWN ON THE DRAWINGS TO CONFORM W/ P.O.I. STANDARDS
- ALL PIPING SHALL RUN CONCEALED ABOVE CEILINGS, IN WALLS AND CHASES OR EXPOSED IN MECHANICAL ROOMS, UNLESS NOTED OTHERWISE.
- ALL SANITARY WASTE PIPING, 4" AND LARGER, SHALL PITCH 1/8"/FT. MIN., AND ALL SANITARY WASTE PIPING 3" AND SMALLER SHALL PITCH 1/4"/FT. MIN., UNLESS OTHERWISE NOTED.
- PROVIDE CLEANOUTS AT THE BASE OF ALL SANITARY STACKS.
- LONG STRAIGHT RUNS OF HOT WATER & RECIRCULATING HOT WATER PIPING SHALL BE PROVIDED W/ A MEANS FOR EXPANSION COMPENSATION FROM TEMPERATURE DIFFERENCES. WHERE ROOM ALLOWS, EXPANSION LOOPS SIZED ACCORDING TO THE COPPER DEVELOPMENT ASSOCIATION, INC. GUIDELINES SHALL BE USED. WHEN SUCH ROOM IS NOT AVAILABLE, EXPANSION JOINTS AS DESCRIBED IN THE SPECIFICATIONS SHALL BE EMPLOYED, PROVIDE NECESSARY ANCHORS & GUIDES AS REQUIRED.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING NEEDED ACCESS PANELS PROVIDED UNDER ANOTHER DIVISION OF THIS CONTRACT.

KEYED NOTE

- ① MANUFACTURER'S MAKE AND MODEL NUMBERS ARE USED FOR DESCRIPTIVE PURPOSES ONLY AND ARE INTENDED TO INDICATE THE STANDARD OF MATERIAL OR ARTICLES REQUIRED. DESIGN IS BASED ON THE LISTED MANUFACTURER AND MODEL AS NOTED ON THE SCHEDULES, AND IS NOT INTENDED TO LIMIT THE CONTRACTOR TO ONE MANUFACTURER, IF SUBSTITUTIONS ARE MADE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE SUBSTITUTED EQUIPMENT MEETS OR EXCEEDS THE PERFORMANCE DATA AND QUALITY OF THE SCHEDULED EQUIPMENT. SUBSTITUTIONS SHALL BE CONSIDERED AS "OR APPROVED EQUAL."

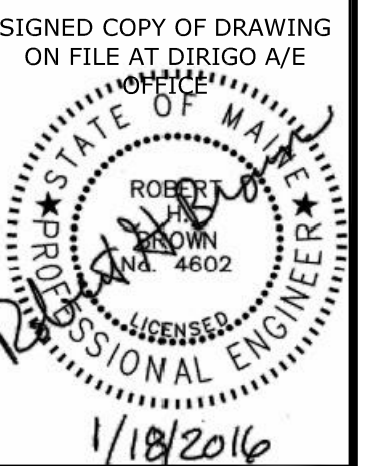
LEGEND: LINETYPES

— S —	SANITARY PIPING BELOW FLOOR
- - S - -	SANITARY PIPING ABOVE FLOOR
— W —	WASTE PIPING BELOW FLOOR
- - - W - - -	WASTE PIPING ABOVE FLOOR
- (E) W -	EXISTING WASTE PIPING ABOVE FLOOR
— V —	VENT PIPING BELOW FLOOR
- - V - -	VENT PIPING ABOVE FLOOR
-----	DOMESTIC COLD WATER
-----	DOMESTIC HOT WATER
-----	EXISTING DOMESTIC COLD WATER
-----	EXISTING DOMESTIC HOT WATER
- - - - -	DOMESTIC HOT WATER RECIRCULATION
— — — — —	ALL OTHER PIPING + ITEMS
— F —	FORCE MAIN PIPING BELOW FLOOR
- - F - -	FORCE MAIN PIPING ABOVE FLOOR
— TP —	TRAP PRIMER PIPING
.....	OVERFLOW PIPING

LEGEND: PLUMBING SYMBOLS

	AUTOMATIC AIR VENT
	BALL VALVE
	LOCKABLE BALL VALVE
	CAP
	CHECK VALVE
	CLEANOUT (CEILING OR END OF LINE)
	COMBINATION BALANCING/SHUT OFF VALVE
	ELBOW DOWN
	ELBOW UP OR UP AND DOWN
	FLOOR CLEANOUT
	FLOOR DRAIN
	GATE VALVE
	IN-LINE PUMP
	PRESSURE GAUGE
	PRESSURE RELIEF VALVE
	PRESSURE REDUCING VALVE
	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
	REDUCER
	SHOCK ARRESTOR
	STRAINER
	T+P RELIEF VALVE
	THERMOMETER
	THERMOMETER MIXING VALVE
	TRAP
	UNION
	WALL CLEANOUT
	WALL HYDRANT OR HOSE BIBB
	KEYNOTE
	PLUMBING FIXTURE DESIGNATION
	THREE-WAY AUTOMATIC CONTROL VALVE (ELECTRIC OR DDC)
	SWITCH
	TWO-WAY AUTOMATIC CONTROL VALVE (ELECTRIC OR DDC)

ecomaine
LOCKER ROOM RENOVATION
 PORTLAND
 MAINE



NOTES, ABBREVIATIONS, + LEGEND

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