PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TRAP PIMER	1% SLOPE	DIRECTION OF SLOPE
	BALL VALVE		DIRECTION OF FLOW
	BUTTERFLY VALVE		PIPE UP OR UP & DN
	GATE VALVE		PIPE DOWN
	BALANCING VALVE		PIPE DROP
			TOP CONNECTION – BRANCH LINE
			BOTTOM CONNECTION – BRANCH LINE
		F	FIRE MAIN
	CHECK VALVE	AS	AUTOMATIC WET SPRINKLER
	PRESSURE REDUCING VALVE		COLD WATER
			HOT WATER (120°F)
	AUTOMATIC AIR VENT		HOT WATER CIRC (110°F)
	CIRCUIT SETTER	140	HOT WATER (140°F)
	BACKWATER VALVE	122	HOT WATER CIRC (122°F)
		SAN	SANITARY SEWER, WASTE OR SOIL BELOW GRADE OR FLOOR
	UNION	SD	STORM DRAIN
	STRAINER		PIPING BELOW GRADE
	STRAINER WITH BLOW OFF		WASTE, OR SOIL ABOVE GRADE OR FLOOR
			VENT
	FLEXIBLE CONNECTOR	D	DRAIN LINE
	CAP OR PLUG	(E)	EXISTING PIPE
	BLIND FLANGE		
	CONCENTRIC REDUCER	W	WASTE STACK
	ECCENTRIC REDUCER		
A1, A2, A3	WATER HAMMER ARRESTOR	V	VENT STACKS
PG	PRESSURE GAUGE WITH COCK	CW	COLD WATER RISER
T	THERMOMETER		
CO/WCO	CLEANOUT/WALL CLEANOUT	PD	PLANTER DRAIN
FCO	FLOOR CLEANOUT		PLUMBING EQUIPMENT
YCO	YARD CLEANOUT		
HB	HOSE BIBB	#	SHEET NOTE
FD	FLOOR DRAIN	1	DETAIL NO.
MS-1	METER TAG	P2	SHEET NO.
		M	WATER FLOW METER
		#	POINT OF CONNECTION POUNDS OR NUMBER

ABBREVIATIONS

ABV	ABOVE
AD	ACCESS DOOR
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AP	ACCESS PANEL
ARCH	ARCHITECT
ASR	AUTO FIRE SPRINKLER RISER
BEL	BELOW
BFV	BUTTERFLY VALVE
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BWV	BACKWATER VALVE
CA	COMPRESSED AIR
CD	CONDENSATE DRAIN
CFF	CAP FOR FUTURE
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
CI	CAST IRON
CLG	CEILING
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECTION
CONTR	CONTRACTOR
CONT	CONTINUATION
CS	CIRCUIT SETTER
CV	CHECK VALVE
CW	COLD WATER
CW(FU)	COLD WATER FIXTURE UNIT
DN	DOWN
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DDCVA	DOUBLE DETECTOR CHECK VALVE ASSEMBLY
DFU	DRAINAGE FIXTURE UNIT
HWR	HOT WATER RECIRC
DIA	DIAMETER
D	DRAIN
DWG	DRAWING
DWV	DRAINAGE WASTE AND VENT
EXIST	EXISTING
ELEC	ELECTRICAL
FIN	FINISHED
FLR	FLOOR
FLSW	FLOW SWITCH
FO	FUEL OIL
FPS	FEET PER SECOND
FRM	FROM
FT	FEET
FT	FLUSH TANK
(FU)	FIXTURE UNIT
FUT	FUTURE
FV	FLUSH VALVE
GAL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HD	HUB DRAIN
HP	HORSEPOWER
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
I.E.	INVERT ELEVATION
I.R.R.	IRRIGATION
LAV	LAVATORY
LBS	POUNDS (UNIT OF FORCE)
LP	LUBRICATED PLUG VALVE
MAX	MAXIMUM
MBH	THOUSANDS BTU/HR
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MH	MANHOLE
N.C.	NORMALLY CLOSED
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NO.	NUMBER
N.O.	NORMALLY OPEN
NIC	NOT IN CONTRACT
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OW	OIL WASTE
POC	POINT OF CONNECTION
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TEMPERATURE TRAP (PETE'S PLUG)
PV	PROCESS VENT
PV	PLUG VALVE
RI&C	ROUGH IN AND CONNECT
RPBFP	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RV	RELIEF VALVE
SF	SQUARE FEET
SHT	SHEET
SN	SHEET NOTE
SOV	SHUT–OFF VALVE
SPR	SPRINKLER
S.S.	STAINLESS STEEL
SV	SOLENOID VALVE
TP	TRAP PRIMER
TT	TEST TEE
TYP	TYPICAL
U	URINAL
UN	UNION
VB	VACUUM BREAKER
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WCO	WALL CLEANOUT
W/	WITH
WGT	WEIGHT
Y.B.	YARD BOX

GENERAL NOTES - PLUMBING

1. ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH DIVISION 22 SPECIFICATIONS.
2. AS–BUILT RECORD DOCUMENTS: AT PROJECT CLOSEOUT, CONTRACTOR SHALL SUBMIT DETAILED INSTALLATION DRAWINGS, CHANGE ORDERS AND SPECIFICATION CHANGES TO ARCHITECT FOR APPROVAL. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
3. DETAILED INVESTIGATION OF EXISTING CONDITIONS ARE PART OF THE CONTRACT WORK. VISIT THE JOB SITE PRIOR TO BID. REVIEW AVAILABLE EQUIPMENT LAYOUTS, ASSEMBLY DRAWINGS AND INSTALLATION SCHEDULES.
4. DOMESTIC WATER HAS BEEN ENGINEERED. CONTRACTOR SHALL NOT USE APPENDIX "A" OF UPC TO RESIZE ANY LINES. RESIZING OF ANY LINES SHALL BE SUBMITTED FOR WRITTEN APPROVAL BY ENGINEER ONLY PRIOR TO COMMENCING OF ANY CONSTRUCTION.
5. BARRIER FREE REQUIREMENTS: PROVISIONS HAVE BEEN DESIGNED TO PROVIDE FIXTURES IN ACCORDANCE WITH A.D.A., ANSI AND LOCAL JURISDICTION REGULATIONS. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AND REPORT TO ARCHITECT OR OWNER'S REPRESENTATIVE WHEN FIELD CONDITIONS PREVENT CORRECT INSTALLATION.
6. ALL PIPES, AND RELATED EQUIPMENT SHALL BE SUPPORTED AND BRACED PER THE 1991 SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEM" OR R–003 THE "SUPERSTRUT SEISMIC RESTRAINT SYSTEM" OR R–0114 THE "B–LINE SEISMIC RESTRAINT SYSTEM" FOR PIPES AND CONDUITS ONLY. SUPPORT SPACING SHALL CONFORM WITH UNIFORM PLUMBING CODE.
7. PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE–STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL AS PRESCRIBED BY FIRE MARSHAL STANDARDS.
8. ROUTING OF PLUMBING PIPING SYSTEMS AND MECHANICAL PIPING SYSTEMS SHALL BE COORDINATED. PROVIDE COMMON SUPPORTS WHERE POSSIBLE.
9. MAKE ALL ROUGH–INS AND FINAL CONNECTIONS IN CONFORMANCE WITH LOCAL CODES, PROVIDE SHUT–OFF VALVES WITH PERMANENT NAME TAGS IDENTIFYING SUPPLY LINES TO EACH INDIVIDUAL PIECE OF EQUIPMENT. INCLUDE TRAPS, TAIL PIECES, AND LINE STRAINERS AS REQUIRED.
10. PROVIDE AND INSTALL ALL SINK WASTE LINES, USE COPPER TUBING UNEXPOSED & PAINT WHERE LINES ARE VISIBLE.
11. UNDER PLUMBING WORK OF DIVISION 22, INSTALL & CONNECT FAUCETS.
12. PROVIDE AND INSTALL STAINLESS STEEL OR CHROME PLATED ESCUTCHEON PLATES FOR ALL WATER LINES PENETRATING WALLS BELOW COUNTERS.

PLUMBING DRAWING LIST

P–001	INFORMATION AND DRAWING LIST – PLUMBING
P–002	SCHEDULES – PLUMBING
P–110	OVERALL FIRST FLOOR PLUMBING PLAN
P–111	PARTIAL FIRST FLOOR PLUMBING PLAN
P–112	PARTIAL FIRST FLOOR PLUMBING PLAN
P–120	OVERALL BASEMENT PLUMBING PLAN
P–121	PARTIAL BASEMENT PLUMBING PLAN
P–122	PARTIAL BASEMENT PLUMBING PLAN
P–201	PLUMBING DETAILS
P–202	PLUMBING RISER DIAGRAMS

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Firm Registration No. N/A
EEA Project No. 20166538

DRAWN BY: ARC
CHECKED BY: BKK

Reviewed for Code Compliance
Authorized Signature
Date: 04/26/17

Digitally Signed
STATE OF MAINE
Michael N. Hart
No. 10507
LICENSED PROF. ENGINEER
Michael N Hart, PE (ME)
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west elm
Dowtown Portland
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PROJECT #006-160335.00

ISSUED / REVISED	DATE
PRELIMINARY SET	09/08/16
LL COORDINATION SET	11/08/16
LL/PERMIT SET	11/21/16

INFORMATION AND DRAWING LIST - PLUMBING

P-001