



PLUMBING LEGEND

- DOMESTIC COLD WATER PIPING
- DOMESTIC HOT WATER PIPING
- FILTERED WATER
- GAS PIPING
- GAS VALVE
- GAS SOLENOID VALVE
- GATE VALVE
- BALANCING VALVE
- CHECK VALVE
- UNION
- PIPE UP
- ◡ PIPE DOWN
- FLOOR DRAIN
- ⊙ HUB DRAIN
- ⊠ FLOOR SINK
- ⊡ FLOOR CLEAN OUT
- ⊙ GRADE CLEAN OUT
- ⊡ WALL CLEAN OUT
- XXXX KITCHEN EQUIPMENT ITEM NUMBER
- ...:..:.. FIXTURE DESIGNATION
- A.F.F. ABOVE FINISHED FLOOR
- P.C. PLUMBING SUB-CONTRACTOR
- G.C. GENERAL CONTRACTOR
- M.C. MECHANICAL SUB-CONTRACTOR
- E.C. ELECTRICAL SUB-CONTRACTOR
- F.C.O. FLOOR CLEAN OUT
- W.C.O. WALL CLEAN OUT
- G.C.O. GRADE CLEAN OUT
- H.B. HOSE BIBB
- F.D. FLOOR DRAIN
- F.S. FLOOR SINK
- H.D. HUB DRAIN
- C.W. COLD WATER
- H.W. HOT WATER
- T.W. TEMPERED WATER
- F.W. FILTERED WATER
- A.A.V. AIR ADMITTANCE VALVE (STUDDOR VENT)
- ⊕ TIE INTO EXISTING

NOT ALL SYMBOLS AND ABBREVIATIONS IN THIS LEGEND WILL APPEAR IN DRAWING.

1 PLUMBING PLAN – WATER & GAS PLAN

SCALE: 1/4" = 1'-0"

PLAN NOTES

- 1 TRAP PRIMER VALVE EQUAL TO PRECISION PLUMBING PRODUCTS OREGON-1, WITH 2-LINE DISTRIBUTION MANIFOLD. LOCATE IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. ROUTE 1/2" TYPE "L" SOFT COPPER TRAP PRIMER LINES DOWN TO BELOW FLOOR TO CONNECTIONS TO FD-B.
- 2 1-1/2" AUTOMATIC GAS VALVE EXPOSED 6" BELOW CEILING HEIGHT. PROVIDED BY OWNER. INSTALLED BY CONTRACTOR. INTERLOCK WITH HOOD SUPPRESSION SYSTEM. REDUCE FROM 2" AT INLET, AND INCREASE TO 2" AT OUTLET. PROVIDE 2" UNION ON INLET AND OUTLET.
- 3 TEMPERING VALVE SET AT 110° TO REST ROOM LAVATORIOUS. LOCATE IN ACCESSIBLE LOCATION ABOVE LAY-IN CEILING. REFER TO DETAIL 12/P4.
- 4 1-1/2" DOMESTIC WATER SERVICE. REFER TO DETAIL 10/P4. SITE WATER METER AND CONTAINMENT BACKFLOW PREVENTER BY CIVIL.
- 5 3/4" COLD WATER DOWN IN WALL TO BELOW EQUIPMENT @ +1 OFF.
- 6 RUN 3/4" COLD WATER PIPING UNDER EQUIPMENT TO CONNECTIONS.
- 7 INSTALL 1/2" FPT ADAPTERS AND REDUCERS BEFORE THE FILTRATION SYSTEM.
- 8 GAS PIPING EXTENDED TO THE ROOF TO VENT. SEE DETAIL 8/SHP4.
- 9 NATURAL GAS METER, UNDERGROUND GAS SERVICE LINE, AND GAS SERVICE REGULATOR BY LOCAL GAS COMPANY. COORDINATE INSTALLATION AND PAY ALL ASSOCIATED FEES. EXTEND 1/2" LOW PRESSURE GAS UP EXTERIOR WALL TO ABOVE CEILING AND INTO BUILDING. REFER TO GAS LOAD SUMMARY AND GAS RISER DIAGRAM SHEET.
- 10 3/4" WATTS NO. 9 DUAL CHECK BACKFLOW PREVENTER IN FILTER SUPPLY LINE TO BEVERAGE AREA. LOCATE IN ACCESSIBLE LOCATION ABOVE CEILING.
- 11 REFER TO CIVIL DRAWINGS FOR CONTINUATION.
- 12 1/2" CW AND 1-1/2" NATURAL GAS DOWN TO INSTANTANEOUS GAS WATER HEATER MOUNTED ON WALL ABOVE MOP SINK. REFER TO DETAIL 3/P4.
- 13 WATER FILTER MOUNTED ON WALL ABOVE BAG-IN-BOX SYSTEM. STUB-OUT WATER SUPPLY @ 8'-4" A.F.F. SEE DETAIL 12/P4.
- 14 2" GAS DOWN, EXPOSED ON WALL. EXTEND UNDER EQUIPMENT TO FINAL CONNECTIONS. PROVIDE PLUG VALVE, REDUCER, AND AGA RATED FLEX SUPPLY AT CONNECTION.
- 15 1/2" WATTS NO. 9 DUAL CHECK BACKFLOW PREVENTER IN SUPPLY LINE TO ICE MACHINE. LOCATE IN ACCESSIBLE LOCATION ABOVE CEILING.

EQUIPMENT SCHEDULE

QTY	TAG	DESCRIPTION
2	A10U3	Fryer Battery, 3-20", Gas
1	A35L	Sink, 1 Compartment, Left Hand Drain Board, 52"
1	D30	Packing Station w/Cup Dispenser & Dipper Well
1	D40	Sink, 3 Compartment, 94" Long, 18" DB, R & L
2	D70	Dispenser, Hot Water w/Wall Bracket
1	D81	Chubb Warmer, Elec. Rethermalizer
1	E10.1	Walk-In Cooler
1	E10.2	Walk-In Freezer
1	H10.3PD	Production Counter, Dual Line, 52 1/4" x 134" (Prince-Castle)
2	K10	Ice Cuber w/ Remote Condenser
1	K20	Water Filter, Equipment
1	K31	Soda Dispenser, 8 Heads, Drop-In, Fast Flow Valves
1	K32	Soda Dispenser, 8 Heads, Counter w/ Ice Bin, Adapter Plate
1	K40	CO2 Tank, Bulk
1	K42	Bag-N-Box Rack /w 2 Carbonators on Shelves
1	K71	Brewer, Tea & Coffee
3	K72	Tea Dispenser, Urn, Solid Lid
3	N10	Hand Sink, w/ Hand Free Lever
1	N20	Mop Sink
2	N32	Water Heater

GAS LOAD SUMMARY

DESCRIPTION	GAS LOAD (BTUH)
BUILDING HEATING:	
RTU-1	144 MBH
RTU-2	120 MBH
RTU-3	120 MBH
WATER HEATING: WH-1 X 2	199 MBH
KITCHEN EQUIPMENT	630 MBH
TOTAL GAS LOAD	1,412 MBH @ 7.5" W.C. SIZED OFF 402.4(2) OF THE 2018 NCFGC @ 125 EQUIVALENT FEET.

FRYER'S GAS PRESSURE REQ. WATER COLUMN
 7" INPUT SIDE.
 4" OUTPUT SIDE.
 G.C. TO VERIFY READINGS WHEN CHECKING SYSTEM.

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REVISIONS

NO.	DATE	DESCRIPTION
△		

FILE NUMBER

86560010

PROJECT MANAGER

BSC

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WATER AND GAS PLAN

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