



1 PLUMBING, DRAIN, WASTE VENT PIPING PLAN
P1.01 SCALE: 1/4" = 1'-0"

WATER HEATER SCHEDULE							
EQUIP NO	STORAGE CAPACITY (GALLONS)	RECOVERY (GPH)	TEMP RISE (°F)	GAS INPUT (MBH)	MANUFACTURER	MODEL NUMBER	REMARKS
WH-1	60	138	100	120	A.O. SMITH	BTH-120	PROVIDE T&P RELIEF & PIPE TO FLOOR SINK/DRAIN. PROVIDE WITH WARRANTY. PROVIDE WITH CONCENTRIC VENT KIT PER MANUFACTURER INSTRUCTIONS.

KITCHEN EQUIPMENT SCHEDULE (FURNISHED BY OWNER/FSEC, INSTALLED BY CONTRACTOR)											
EQUIP NO	QTY	DESCRIPTION	INDIRECT WASTE	WASTE	VENT	CW	HW	FCW	GAS	MBH	NOTES
8	1	COFFEE AND TEA BREWER	-	-	-	-	-	1/2"	-	-	PROVIDE WATTS SD-3 BACKFLOW PREVENTER OR CODE APPROVED EQUAL WITH ASSE 1022 LISTING
12	2	DRINK MACHINE	3/4"	-	-	-	-	-	-	-	INDIRECT WASTE TO FLOOR SINK/DRAIN
14	1	DRINK TABLE	3/4"	-	-	-	-	-	-	-	INDIRECT WASTE TO FLOOR SINK/DRAIN
20	1	HOP TABLE	3/4"	-	-	-	-	-	-	-	INDIRECT WASTE TO FLOOR SINK/DRAIN
22	1	HAND SINK	-	2"	1-1/2"	1/2"	1/2"	-	-	-	-
34	1	FRYERS	-	-	-	-	-	-	1"	300	-
40	1	GRIDDLE	-	-	-	-	-	-	3/4"	150	-
47	2	STEAMER	-	-	-	-	-	1/2"	-	-	PROVIDE WATTS SD-3 BACKFLOW PREVENTER OR CODE APPROVED EQUAL WITH ASSE 1022 LISTING
65	1	SMALL 3-COMP SINK	1-1/2"	-	-	3/4"	3/4"	-	-	-	INDIRECT WASTE TO FLOOR SINK/DRAIN
67	1	ICE STORAGE BIN	1"	-	-	-	-	-	-	-	INDIRECT WASTE TO FLOOR SINK/DRAIN
68	2	ICE MACHINE	1"	-	-	-	-	1/2"	-	-	PROVIDE WATTS SD-3 BACKFLOW PREVENTER OR CODE APPROVED EQUAL WITH ASSE 1022 LISTING
72	1	3-COMP SINK	2"	-	-	-	-	-	-	-	INDIRECT WASTE TO FLOOR SINK/DRAIN
73	1	3-COMP SINK FAUCET	-	-	-	3/4"	3/4"	-	-	-	-
86	1	CARBONATOR	-	-	-	-	-	(4) 3/4"	-	-	PROVIDE WATTS SD-3 BACKFLOW PREVENTER OR CODE APPROVED EQUAL WITH ASSE 1022 LISTING
89	1	SLUSH RACK	-	-	-	-	-	3/4"	-	-	PROVIDE WATTS SD-3 BACKFLOW PREVENTER OR CODE APPROVED EQUAL WITH ASSE 1022 LISTING
102	1	WATER FILTER	-	-	-	3/4"	-	3/4"	-	-	-

GENERAL NOTES:
A. ROUTE DRAIN PIPE FROM BACKFLOW PREVENTER TO NEAREST FLOOR DRAIN AND TERMINATE WITH 2" AIR GAP. VERIFY NEAREST FLOOR DRAIN IN FIELD
B. REFER TO MECHANICAL SPECIFICATIONS ON THE SPECIFICATION ("SP") SHEETS FOR ADDITIONAL INFORMATION.

- KEY NOTES:**
- PROVIDE FLOOR DRAIN INDICATED WITH TRAP PRIMER.
 - WASTE PIPING FROM 3-COMP SINK TO FLOOR SINK TO BE HARD COPPER WITH SWEATED JOINTS. PLUMBER TO ANCHOR DRAIN PIPE FOR 3-COMP SINK TO WALL (WHERE POSSIBLE) W/ ALL THREAD.
 - EXISTING CONDENSATE DRAIN(S) FROM WALK-IN COOLER AND FREEZER TO REMAIN. REPAIR/REPLACE PIPING AND HEAT TAPE AS REQUIRED TO BRING TO MINIMUM CONDITION. VERIFY REQUIREMENTS IN FIELD.
 - EXISTING GREASE TRAP TO REMAIN. VERIFY CONDITION IN FIELD AND NOTIFY OWNER AND ARCHITECT IMMEDIATELY WITH ANY DEFICIENCIES. AT A MINIMUM, TRAP SHALL BE PUMPED AND CLEANED.
 - EXISTING FIXTURE FLOOR SINK/DRAIN, HOP SINK DRAIN, HAND SINK, OR HUB (DRAIN) INDICATED TO REMAIN. VERIFY LOCATION AND CONDITION IN FIELD.
 - CONNECT TO EXISTING GREASE WASTE PIPING. VERIFY ROUTING, INVERT, AND FLOW DIRECTION IN FIELD.
 - CONNECT TO EXISTING SANITARY WASTE PIPING. VERIFY ROUTING, INVERT, AND FLOW DIRECTION IN FIELD.
 - EXISTING GREASE/SANITARY WASTE PIPING LOCATIONS SHOWN FOR REFERENCE ONLY AND ARE ASSUMED LOCATIONS. CONTRACTOR TO VERIFY EXISTING ROUTING, INVERT, AND FLOW DIRECTION PRIOR TO START OF WORK.
 - ROUTE THE KITCHEN EQUIPMENT INDIRECT WASTE PIPE TO THE NEAREST FLOOR SINK/TRENCH DRAIN INDICATED. VERIFY EQUIPMENT INDIRECT WASTE SIZE WITH THE EQUIPMENT PROVIDER. TERMINATE INDIRECT WASTE PIPING WITH CODE APPROVED AIR GAP.
 - CONNECT NEW VENT PIPING TO EXISTING VENT THRU ROOF. VERIFY SIZE AND LOCATION OF EXISTING VTR IN FIELD PRIOR TO START OF WORK.
 - REMOVE UNUSED FIXTURES AND ALL ASSOCIATED WASTE AND VENT PIPING TO POINT BELOW FLOOR OR IN WALL AND CAP. VERIFY REQUIREMENTS IN FIELD.

PLUMBING LINETYPE LEGEND

---	NEW GREASE WASTE
---	NEW SANITARY WASTE
---	NEW STORM
---	NEW VENT
---	NEW HVAC CONDENSATE
---	COLD WATER PIPING (CW)
---	HOT WATER PIPING (HW)
---	GAS

ABBREVIATIONS

FD	FLOOR DRAIN
FS	FLOOR SINK
FCO	FLOOR CLEAN-OUT
CO	CLEAN-OUT
VTR	VENT THROUGH ROOF
BFP	BACK FLOW PREVENTER
WH	WALL HYDRANT
HB	HOSE BIBB
SS	SANITARY SEWER
GW	GREASE WASTE

DRAWINGS AND SPECIFICATIONS ARE TO BE CONSIDERED AS SUPPLEMENTING EACH OTHER. WORK SPECIFIED BUT NOT SHOWN ON DRAWINGS, OR SHOWN ON DRAWINGS BUT NOT SPECIFIED, SHALL BE PERFORMED OR FURNISHED AS THOUGH MENTIONED IN BOTH SPECIFICATIONS AND DRAWINGS. IF NOT OTHERWISE DIRECTED, INSTALLATION OF ALL SYSTEMS AND EQUIPMENT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE WORK DESCRIBED IN THE SPECIFICATIONS IS IN CONFLICT WITH THE WORK SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL SUPPLY THE GREATER QUANTITY, QUALITY AND COST VIA THE BID AND CONTACT THE ENGINEER FOR CLARIFICATION ON DIRECTION PRIOR TO INSTALLATION.

PRIOR TO BID, THE CONTRACTOR SHALL REVIEW THE MECHANICAL ELECTRICAL AND KITCHEN EQUIPMENT DRAWINGS. THE CONTRACTOR SHALL INCLUDE IN THEIR BID ALL RELEVANT WORK IN THE ENTIRE SET OF DOCUMENTS AND REPORT ALL DISCREPANCIES BETWEEN THESE DRAWINGS TO THE ENGINEER PRIOR TO BIDDING FOR CLARIFICATION. IF DISCREPANCIES REMAIN UNRESOLVED DUE TO A SHORT TIME FRAME, THE CONTRACTOR SHALL INCLUDE THE MOST WORK AND THE HIGHER COSTS IN THE BID. SOLUTIONS TO UNREPORTED DISCREPANCIES WILL BE DETERMINED BY THE ARCHITECT/ENGINEER, WITH NO ADDITIONAL COMPENSATION DUE TO THE CONTRACTOR.

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WASTE AND VENT PLAN