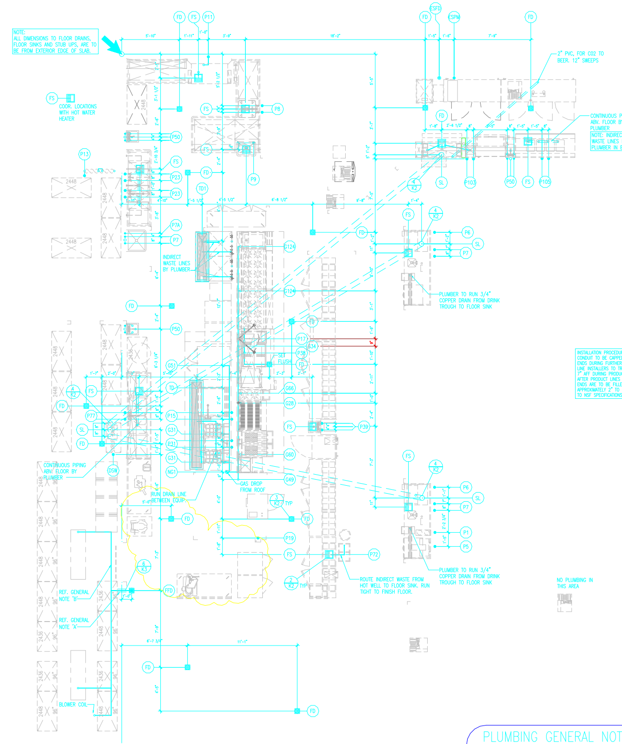
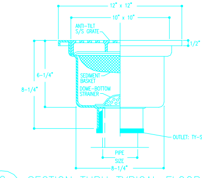
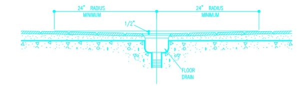


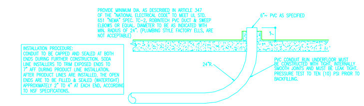
1 / K2 FOODSERVICE PLUMBING PLAN
SCALE: 1/4" = 1'-0"



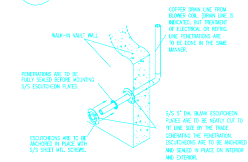
2 / K2 SECTION THRU TYPICAL FLOOR SINK
SCALE: NONE



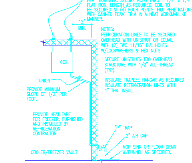
3 / K2 SECTION THRU TYPICAL FLOOR DRAIN
SCALE: NONE



4 / K2 PVC SWEEP DETAIL & NOTES
SCALE: NONE



5 / K2 ESCUTCHEON & PENETRATION DETAIL
SCALE: NONE



6 / K2 EVAPORATION COIL DETAIL
SCALE: NONE

PLUMBING GENERAL NOTES

A. PROVIDE SLEEVES FOR ALL PENATRATIONS THROUGH VAULT WALL AND EXTERIOR BUILDING WALL. ONCE LINES HAVE BEEN ROUTED, SLEEVES ARE TO BE FOAMED CLOSED AND SEALED. (REFER: DETAIL 5/K2.)

B. PLUMBER TO PROVIDE AND INSTALL BRASS CLEAN OUT CONNECTION ON COIL DRAIN. PLUMBER TO RUN HARD COPPER DRAIN LINES HIGH AS POSSIBLE FORM COILS TO VAULT WALL AS INDICATED, THEN DOWN ON SLOP TO A POINT 18" A.F.F. THEN THRU WALLS, FORMING A "P" TRAP, FLAT AGAINST WALL, THEN EXTENDING TO FLOOR DRAIN, ALL LINES TO BE STRAPPED AND SECURED IN A NEAT MANNER. ALL PENETRATIONS TO BE SEALED AND LINES FINISHED WITH CHROMATONE PAINT.

PLUMBING SCHEDULE

P1. 1/2" C.W., EL. 46" A.F.F., FOR COFFEE MAKER.

P5. 1/2" C.W., EL. 46" A.F.F., FOR TEA MAKER.

P6. 1/2" C.W., EL. 12" A.F.F., FOR SODA UNIT.

P7. 1/2" C & H WATER, EL. 30" A.F.F., FOR SINK FAUCET, AND 1 1/2" INDIRECT DRAIN, EL. 9" A.F.F, B.T.C ON SINK WASTE. (BEVERAGE STATIONS TO HAVE 1 1/2" INDIRECT DRAIN TO FLOOR SINK.)

P7A. 1/2" C.W., EL. 60" A.F.F., FOR SOAP DISPENSER.

P8. 1/2" C & H WATER, EL. 12" A.F.F., FOR DISHTABLE FAUCETS, AND 1 1/2" DRAIN, TO FLOOR SINK, TRAP B.F.F., B.T.C. ON SINK WASTE.

P9. 1/2" H.W., EL. 12" A.F.F., B.T.C. ON DISHTABLE DUMP SINK FAUCET.

P11. 3/4" IPS HOT WATER EL. 24" A.F.F., TO HOT WATER BOOSTER/DISHMACHINE.

P13. 3/4" C.W., EL. 96" A.F.F., B.T.C. ON THRU WATER FILTERS THEN TO ICE MACHINE HEADS. THREE(3) 1" DRAIN LINES, BRANCH TO FLOOR TROUGH.

P15. 1/2" H & C WATER, EL. 12" A.F.F., B.T.C. ON FRY PAN FILLER FAUCET.

P17. 1/2" H.W., EL. 48" A.F.F., B.T.C. ON HOT WELL FILLER/POT FAUCET.

P19. 1/2" H.W., EL. 12" A.F.F., B.T.C. ON DIPPER WELL FAUCET. (B.T.C. WITH FLEX HOSE).

P23. 1/2" C & H WATER, EL. 12" A.F.F., B.T.C. ON POT SINK FAUCETS. 1 1/2" DRAIN LINE TO EXTENDED TO FLOOR SINK.

P31. 1/2" C & H WATER, EL. 12" A.F.F., B.T.C. ON PASTA COOKER FAUCET. 1 1/4" DRAIN LINE TO EXTENDED TO FLOOR TROUGH FOR PASTA COOKER.

P38. 3/4" DRAIN TO FD WITH DRAIN VALVE. HOT WELLS AND COLD WELL, AT PASTA STATION.

P39. 1/2" C & H WATER, EL. 16" A.F.F., B.T.C. ON HAND SINK, AND 1 1/2" DRAIN, EL. 18" A.F.F., B.T.C. ON HAND SINK WASTE. ONE(1) REQ'D.

P50. 1/2" C & H WATER, EL. 16" A.F.F., B.T.C. ON HAND SINK, AND 1 1/2" DRAIN, EL. 18" A.F.F., B.T.C. ON HAND SINK WASTE. THREE(3) REQ'D.

P72. 1/2" DRAIN, ON SOUP WELLS, EXTEND TO FLOOR SINK.

P77. 1/2" C & H WATER, EL. 12" A.F.F., B.T.C. ON SINK FAUCET, AND 1 1/2" DRAIN LINE TO EXTEND TO FLOOR SINK.

P103. 1/2" C & H WATER, EL. 12" A.F.F., B.T.C. ON SINK FAUCET, AND 1 1/2" DRAIN LINE TO EXTEND TO FLOOR SINK.

P105. 1/2" C & H WATER, EL. 12" A.F.F., B.T.C. ON SINK FAUCET.

ESPM. 1/2" C.W., EL. 48" A.F.F., B.T.C. ON ESPRESSO MACHINE.

ESFD. 2" DRAIN, PVC RISE TO EL. 36" A.F.F., FOR INDIRECT DRAIN ON ESPRESSO MACHINE.

DSW. 1/2" C.W., EL. 96" A.F.F., B.T.C. ON SODA SYSTEM.

SL. 6" P.V.C. CONDUIT, FOR SODA LINES, RUN STRAIGHT AS POSSIBLE, TURN-UP USING 24" DIA. LONG SWEEP ELLS. AFTER SODA LINES HAVE BEEN RUN, SEAL ENDS OF CONDUIT WATER AND VERMIN PROOF.

FS. 12"x12" FLOOR SINK, 8" DEEP, 3" DRAIN, SET FLUSH WITH FINISHED FLOOR.

FD. 3" FLOOR DRAIN, SET 1/2" B.F.F. (BY GC).

FFD. 3" FLOOR DRAIN - SET FLUSH WITH FINISH FLOOR PROVIDE WITH 4" HIGH FUNNEL (BY GC).

TD. 3" HUB DRAIN, SET 9" B.F.F., B.T.C. ON FLOOR TROUGH.

NG1. NATURAL GAS LINE D.F.A. SUPPLYING THE FOLLOWING EQUIPMENT:

G28. 3/4" GAS, 105,000BTU/HR EL. 30" A.F.F., B.T.C. ON CHAR-BROILER.

G31. 3/4" GAS, 80,000BTU/HR EL. 6" A.F.F., B.T.C. ON PASTA COOKER (2) REQ'D.

G34. 3/4" GAS, 50,000BTU/HR EL. 72" A.F.F., B.T.C. ON CHEESE MELTER.

G49. 1" GAS, 80,000BTU/HR EL. 30" A.F.F., B.T.C. ON PIZZA OVEN.

G51. 3/4" GAS, 54,000BTU/HR EL. 36" A.F.F., B.T.C. ON CONVECTION OVEN.

G60. 3/4" GAS, 240,000BTU/HR EL 12" A.F.F., B.T.C. ON FRYER (2) REQ'D.

G66. 3/4" GAS, 52,000BTU/HR. EL. 30" A.F.F., B.T.C. ON TWO BURNER HOT PLATE.

G124. 3/4' GAS, 208,000BTU/HR EL. 30" A.F.F., B.T.C. ON OPEN BURNER RANGE (2) REQ'D.

4 28-JAN 2004 OWNER COMMENTS

PLUMBING ROUGH-IN NOTES:

A. ALL PLUMBING OUTLETS AND REQUIREMENTS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT SPECIFIED AS FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR, UNLESS OTHERWISE NOTED. FOR ANY ADDITIONAL BUILDING PLUMBING REQUIREMENTS, SEE OTHER MECHANICAL PLANS. ALL DIMENSIONS GIVEN ARE FROM COLUMN CENTERLINES AND/OR WALL FRAMING. ELEVATIONS GIVEN ARE FROM FINSHED FLOORS.

B. PLUMBER TO CONNECT ALL WATER LINES, GAS LINES, WASTE LINES, ETC. CONNECT INDIRECT WASTES FROM EQUIPMENT (DRAINBOARDS, QUICK DRAINS, ICE BINS, DIPPERWELLS, ETC.) TO THE NEAREST AND MOST ACCESSIBLE FLOOR OR HUB DRAIN. DO NOT RUN WASTES SO AS TO INTERFERE WITH OPERATION OF BUSINESS OR FUNCTION OF EQUIPMENT. SECURE TO EQUIPMENT, WALLS OR FLOOR AS REQUIRED BY ARCHITECT OR CODE. ALL ROUGH-INS SHOWN ARE TO BE RUN INSIDE WALLS, (EXCEPT STUB-UPS). LOCATIONS INDICATE POINT OF EXIT FROM WALLS, CEILING OR FLOOR.

C. PLUMBER TO BRANCH TO CONNECTION WHERE REQUIRED AND TO FULLY CONNECT ALL EQUIPMENT AND RUN CONDENSATE LINES FROM UNITS TO DRAINS AND THESE LINES TO BE NO SMALLER THAN THE STUB OUT OF THE FIXTURE. FOR SPECIFIC TYPE OF CONNECTION AND LOCATIONS REFER TO THE EQUIPMENT BROCHURES AND DRAWINGS.

D. PLUMBER TO PROVIDE SHUT-OFF VALVES ON ALL WATER AND GAS LINES, ALL VALVES, CUT-OFFS, TRAPS, HYDROSTATIC SHOCK ELIMINATORS, PRESSURE REQULATORS AND MATERIAL NECCESSARY TO CONNECT ALL LINES, UNLESS OTHERWISE SPECIFIED ON THE ITEM SPECIFICATIONS.

E. ALL FLOOR DRAINS ARE TO BE SET 1/2" BELOW FINISHED FLOOR UNLESS OTHERWISE NOTED. DO NOT SLOPE FLOORS SO CLOSE TO DRAINS AS TO CREATE "PITS" OR "DIPS" IN FLOOR. MINIMUM RADIUS OF SLOPE TO BE 24" FROM CENTERLINE OF DRAIN.

F. PLUMBING CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ALL PLUMBING COMPONENTS NECCESSARY TO PROVIDE SERVICE TO LOCATIONS & EQUIPMENT AS SHOWN ON THIS SHEET UNLESS NOTED OTHERWISE. PLUMBING CONTRACTOR IS ALSO RESPONSIBLE FOR MAKING FINAL CONNECTIONS TO EQUIPMENT AND FITTINGS SUPPLIED AND INSTALLED BY FSEC.

G. IF ELECTROLYSIS CONDITIONS EXIST, A DIELECTRIC COUPLING SHOULD BE USED IN FINAL PLUMBING CONNECTION TO ALL WATER COOLED EQUIPMENT.

H. IF HIGH MINERAL CONTENT IN THE WATER SUPPLY EXISTS, IT IS RECOMMENDED THAT A WATER SOFT-NER, FILTER AND/OR DEIONIZER SEPARATOR BE USED IN THE FINAL PLUMBING CONNECTIONS TO CONDENSING UNITS, STEAMERS, COFFEE MAKERS, WATER HEATERS AND SIMILAR ITEMS OF KITCHEN EQUIPMENT.

J. THE KITCHEN CONTRACTOR IS TO PROVIDE ALL FAUCETS, DRAIN OUTLET FITTINGS IN FIXTURES AND SPECIALITY ITEMS AS OUTLINED IN THE ITEM AND GENERAL PRODUCT SPECIFICATIONS. PLUMBING CONTRACTOR IS TO INSTALL.

K. OMISSIONS OR ERRORS IN SCHEDULE DO NOT RELIEVE PLUMBING CONTRACTOR FROM COMPLETE AND CORRECT FINAL CONNECTION RESPONSIBILITY. HIS REVIEW OF EQUIPMENT BROCHURE BOOK AND DRAWINGS, WILL ASSURE CORRECTNESS OF HIS WORK.

L. FAILURE TO COMPLY WITH THESE NOTES COULD VOID OR CANCEL MANUFACUTRERS WARRANTIES. DO NOT FAIL TO COMPLY WITH THESE NOTES IN THE AREAS THAT THEY APPLY TO. IF THEIR IS DOUBT AS TO THE PROPER INTERPRETATION OR ACTION THAT IS INTENDED, CONTACT THE ARCHITECT OR OWNER'S REPRESENTITIVE IMMEDIATELY. VERIFY WITH ARCHITECT OR OWNER'S REPRESENTITIVE, FINAL EQUIPMENT REQUIREMENTS BEFORE ORDERING MATERIAL REVISIONS IN EQUIPMENT OR PERFORMANCE REQUIREMENTS MAY AFFECT THE PLUMBERS WORK.

M. ALL WORK RELATING TO THE INSTALLATION & HOOKUP OF THE SPECIFIED EQUIPMENT IS TO BE PERFORMED IN FULL ACCORDANCE WITH APPLICABLE CITY, COUNTY, LOCAL, STATE & FEDERAL CODES & ALL OTHER GOVERNMENTAL REGULATORY REQUIREMENTS.

PLUMBING SYMBOLS

SYMBOLS AND ABBREVIATIONS

Symbol	Abbr.	Description	Symbol	Abbr.	Description
●	C.W.	COLD WATER		FS	FLOOR SINK
●	H.W.	HOT WATER		EVC	EXHAUST VENT CONNECTION
	G	GAS SUPPLY		SVC	SUPPLY VENT CONNECTION
■	SS	STEAM SUPPLY		FR	DIRECT CONN. FLUE RISER
□	CR	CONDENSATE RETURN		AFF	ABOVE FINISHED FLOOR
●	DD	DIRECT DRAIN		SU	STUB UP
◎	HD	HUB DRAIN		BTC	BRANCH TO CONNECTION
	FD	FLOOR DRAIN		DFA	DOWN FROM ABOVE
	FFD	FLOOR DRAIN W/ FUNNEL			H & C WATER ONLY
		H & C WATER W/ 1 1/2" DRAIN			

FOR REFERENCE ONLY

K2