

PLUMBING FLOOR PLAN - PART 1

SCALE: 1/8" = 1'-0"

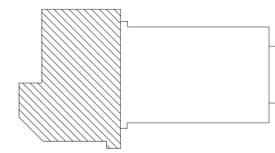


PLAN NOTES:

- RISE 2-1/2" COLD WATER SERVICE LINE UP THRU FLOOR AND CONNECT TO PRESSURE REDUCING VALVE. REFER TO DETAIL EP3.1 FOR TYPICAL PIPING CONNECTIONS.
- PROVIDE AND INSTALL SIMPLEX WATER SOFTENER COMPLETE WITH BRINE TANK AND BY-PASS VALVE AS SPECIFIED. CONNECT TO 2-1/2" COLD WATER SUPPLY LINE. REFER TO DETAIL FP3.2 FOR TYPICAL PIPING CONNECTIONS.
- PROVIDE REDUCED PRESSURE BACK-FLOW PREVENTION DEVICE FOR 1-1/4" REPAIR SHOP WATER LINE. (LINE TO BE HARD WATER). LOCATE DEVICE BELOW CEILING AND PIPE DRAIN LINE TO FLOOR SINK. REFER TO DETAIL AP3.1 FOR TYPICAL INSTALLATION OF DEVICE.
- PROVIDE AND INSTALL TANKLESS WATER HEATER BELOW CABINET AS SPECIFIED. CONNECT TO FIXTURE AS SHOWN. REFER TO DETAIL BP3.1 FOR TYPICAL PIPING CONNECTIONS.
- PROVIDE BALL VALVE FOR HOSE BIBB SHUT-OFF. LOCATE VALVE ABOVE ACCESSIBLE CEILING.
- DROP 4" ROOF DRAIN LINE DOWN FROM HIGH ROOF AND CONNECT TO 6" LINE FROM LOWER ROOF. PIPE CONNECTION TO BE LOCATED BELOW LOWER ROOF AND ABOVE MAIN LEVEL CEILING.
- DROP ROOF DRAIN LINE DOWN IN CORNER THRU FLOOR. EXTEND THRU EXTERIOR WALL AT 9'-0". REFER TO SITE PLAN FOR CONTINUATION.
- EXTEND OVERFLOW PIPING THRU WALL AND CONNECT TO WALL FLANGE. KEEP PIPING AS HIGH AS POSSIBLE.
- GAS METER BY LOCAL GAS COMPANY. METER TO BE SIZED FOR 1,700,000 BTU LOAD WITH 2 psig DISCHARGE PRESSURE TO EQUIPMENT. FIELD VERIFY ACTUAL LOCATION OF METER IN COMPLIANCE WITH ELECTRICAL TRANSFORMERS. MAINTAIN CLEARANCES AS REQUIRED BY CODE.
- UNIT HEATER PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO ROUGH-IN AND CONNECT 3/4" GAS LINE WITH PRESSURE REGULATOR, SHUT-OFF VALVE, AND FLEXIBLE HOSE. REFER TO DETAIL AP2.2 FOR TYPICAL PIPING CONNECTIONS.
- ROOF TOP EQUIPMENT SUPPLIED AND INSTALLED BY MECHANICAL CONTRACTOR. PLUMBING CONTRACTOR TO CONNECT 3/4" GAS LINE (2 psig) TO EQUIPMENT. PROVIDE PRESSURE REGULATOR, SHUT-OFF VALVE AND FLEXIBLE HOSE AT POINT OF CONNECTION. REFER TO DETAIL BP2.2 FOR TYPICAL PIPING CONNECTIONS.
- PROVIDE AND INSTALL ROOF DRAIN AND OVERFLOW DRAIN AS SPECIFIED. CONNECT 4" DRAIN LINE TO EACH AND RUN THRU JOIST SPACE AS SHOWN. GRADE ROOF DRAIN AND OVERFLOW DRAIN LINES AT 1/8" SLOPE PER FOOT IN DIRECTION OF FLOW. KEEP PIPING AS HIGH AS POSSIBLE.
- 6" FIRE LINE UP THRU FLOOR. CONNECT TO FIRE RISE AND ALARM VALVE. REFER TO DETAIL AP3.3 FOR TYPICAL PIPING CONNECTIONS.
- PROVIDE AND INSTALL TRENCH DRAIN AS SPECIFIED. PROVIDE SLOPING SECTIONS AS REQUIRED FOR LENGTH SHOWN ON SHEET P1.0 AND IN FIXTURE SCHEDULE. CONNECT 4" WASTE LINE TO END OF TRENCH. REFER TO SHEET P1.0 FOR WASTE LINE CONNECTIONS AND LENGTH OF EACH TRENCH DRAIN.
- AIR OUTLET FOR AUTOMATIC DISPLAY CHAIR. COORDINATE ACTUAL LOCATION WITH OWNER TO MATCH SEAT LOCATION.
- DROP 1" COLD WATER (HARD) DOWN IN WALL TO 8" BELOW PLANTER BOX GRADE LEVEL. EXTEND OUT THRU EXTERIOR WALL AND CAP FOR FUTURE IRRIGATION SYSTEM.
- RISE 3/4" COLD WATER LINE UP THRU ROOF AND CONNECT TO EVAPORATIVE COOLER. GRADE WATER LINE AT 1/8" SLOPE PER FOOT AWAY FROM EVAPORATIVE COOLERS. DROP 1" DRAIN LINE FROM UNIT DOWN THRU ROOF AND RUN THRU ROOF JOIST SPACE AS SHOWN. GRADE DRAIN LINE AT 1/4" PER FOOT IN DIRECTION OF FLOW. BACK TO FLOOR SINK AS SHOWN.
- DROP 3/4" COLD WATER LINE DOWN TO 4'-0" ABOVE FLOOR AND PROVIDE SHUT-OFF VALVE AND DRAIN VALVE FOR EVAPORATIVE COOLERS LOCATED ON ROOF. REFER TO PIPING DIAGRAM DP3.1 FOR TYPICAL PIPING CONNECTIONS. RUN 3/4" DRAIN LINE TO FLOOR SINK. CONNECT PROTECTED WATER PIPING TO HB-1, HB-2, S-3, EW-1 IN THIS AREA, AS WELL AS EC-5, EC-8, AND EC-7 AT ROOF LEVEL.

ALL COMPRESSED AIR PIPING THROUGHOUT THE BUILDING TO BE BID AS ALTERNATE #1.

KEY PLAN



GENERAL NOTES:

- THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONNECTIONS ON THE JOB SITE. ALL WORK SHALL BE EXECUTED FROM MEASUREMENTS TAKEN AT THE SITE.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO INSURE PROPER CODE CLEARANCES FOR ELECTRICAL AND MECHANICAL ACCESS WHEN INSTALLING ANY EQUIPMENT SUPPLIED BY THE MECHANICAL CONTRACTOR.
- IT IS CRITICAL THAT THIS CONTRACTOR COORDINATE EQUIPMENT LOCATIONS WITH PIPING, DUCTWORK, ELECTRICAL CONDUIT AND BUILDING STRUCTURE TO INSURE CODE COMPLIANCE.
- CEILING DIFFUSERS ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO LIGHTING PLANS AND REFLECTED CEILING PLAN FOR EXACT LOCATIONS.
- DUCT DIMENSIONS CALLED OUT ON DRAWINGS ARE INSIDE FREE AREA DIMENSIONS. ACoustICAL DUCT LINER ARE TO BE ADDED TO OVERALL MEASUREMENTS.
- ALL DUCTWORK AND PIPING WHICH PASSES THRU FIRE RATED WALLS TO BE FIRE STOPPED WITH APPROVED FOAM OR SEALANT. REFER TO SPECIFICATIONS FOR APPROVED MANUFACTURERS.

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P1.1

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A NEW BUILDING FOR:
KENWORTH SALES COMPANY INC.
 1750 SOUTH 1350 WEST
 NEW HAVEN, UTAH
 PLUMBING PLAN - PART 1