



1 DOMESTIC WATER PIPING SCHEMATIC
SCALE: NTS

GENERAL NOTES:

- CONFORM TO NATIONAL PLUMBING CODE OF CANADA AND ALL LOCAL CODES AND AUTHORITY HAVING JURISDICTION FOR DESIGN, SUPPLY AND INSTALLATION OF PLUMBING AND VENT SYSTEM.
- EQUIPMENT LOCATIONS AND PIPE ROUTING INDICATED ON THE DRAWINGS IS APPROXIMATE ONLY. CONFIRM IN THE FIELD. REROUTE PIPING AS REQUIRED TO ELIMINATE FIELD INTERFERENCES, WITH BUILDING STRUCTURES, ELECTRICAL, ETC. CONFIRM CHANGES WITH DEPARTMENTAL REPRESENTATIVE. CO-ORDINATE WORK WITH ALL SUBTRADES. WHERE DIMENSIONS ARE INDICATED FOR PIPING EQUIPMENT SIZES, ETC. THESE ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING EQUIPMENT AND COMMENCING INSTALLATION WITHOUT EXTRA CHARGES TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL EQUIPMENT, DUCTWORK AND PIPING FITS IN THE SPACE AVAILABLE AND TO MAINTAIN THE GENERAL DESIGN INTENT FOR THE SYSTEMS.
- PROVIDE NEW DRAINS AS SHOWN. SLOPE NEW DRAINAGE PIPING AT 1%.
- INSULATE DOMESTIC HOT WATER (DHW), DOMESTIC HOT WATER RETURN AND DOMESTIC COLD WATER (DCW) PIPING.
- PROVIDE ALL WALL PENETRATIONS. PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE FIRE SEALED.
- PROVIDE SHUT-OFF VALVES AT ALL FIXTURES, WATER TANKS, AND WATER HAMMER ARRESTERS AT ENDS OF ALL PIPE RUNS.
- PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS.

KEY NOTES:

- 1 TIE IN NEW DOMESTIC COLD WATER LINE TO EXISTING FIXTURES.

LEGEND:

- NEW EQUIPMENT OR PIPING
- EXISTING EQUIPMENT/PIPING
- DCW DOMESTIC COLD WATER
- DHW DOMESTIC HOT WATER
- DHW-R DOMESTIC HOT WATER RECIRCULATION
- P 1 SHOWER
- P 2 BARRIER FREE SHOWER
- P 3 BARRIER FREE WALL MOUNT LAVATORY C/W MANUAL FAUCET
- P 4 BARRIER FREE WATER CLOSET
- P 5 SINGLE COMPARTMENT UTILITY SINK
- P 6 SINGLE COMPARTMENT COUNTER TOP SINK
- P 7 S.S. UTILITY SINK C/W MANUAL FAUCET
- P 8 DOUBLE COMPARTMENT COUNTER TOP SINK
- P 9 SINGLE COMPARTMENT COUNTER TOP SINK
- Ball Valve
- Strainer
- Check Valve
- Union
- Solenoid Valve
- Reducer/Incraser
- Flow Arrow
- Pressure Relief Valve
- Rated Thermostatic Mixing Valve
- W/M WATER METER
- F.D. FLOOR DRAIN
- S.D. SHOWER FLOOR DRAIN
- D.F. DRINKING FOUNTAIN
- DCW DOMESTIC COLD WATER
- DHW DOMESTIC HOT WATER
- DHW-R DOMESTIC HOT WATER RETURN
- BFP BACKFLOW PREVENTER
- ES- EMERGENCY SHOWER / EYEWASH
- EXP- EXPANSION TANK
- RO- REVERSE OSMOSIS SYSTEM
- WS- WATER SOFTENING SYSTEM
- CF- CARBON FILTRATION
- TK- PRESSURIZED HOLDING TANK
- HWT- HOT WATER TANK
- PU- PUMP
- FC FLUID COOLER

Design Team Consultant

KGS GROUP CONSULTING ENGINEERS

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