



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

DRAWING NOTES - PLUMBING

- 1 SUPPLY AND INSTALL LAVATORY. EXTEND 1/2" DCW AND 1/2" DHW PIPING SURFACE MOUNTED, DOWN BUILDING SERVICES WALL FOR CONNECTION TO FIXTURE BRASS ON WALL. C/W ISOLATION VALVES ON SUPPLY PIPING. CONNECT VENT ABOVE FLOOD LEVEL OF FIXTURE. SENSOR WIRED BY ELECTRICAL SUB CONTRACTOR. REFER TO SPECIFICATION.
- 2 SUPPLY AND INSTALL VALVE TYPE WATER CLOSET. EXTEND 1" DCW SUPPLY PIPING SURFACE MOUNTED, DOWN BUILDING SERVICES WALL TO FLUSH VALVE CONNECTION AT BRASS ABOVE FIXTURE. PROVIDE AVB ON SUPPLY TO EACH FIXTURE. INSTALL AUTOMATIC FLUSH SENSOR FLUSH WITH WALL. SENSOR WIRED BY ELECTRICAL SUB CONTRACTOR. VERIFY MOUNTING HEIGHT AND HANDING ON SITE. REFER TO SPECIFICATION.
- 3 SUPPLY AND INSTALL ELECTRIC HOT WATER TANK, SUSPENDED FROM UNDERSIDE OF STRUCTURE. C/W DRIP PAN BELOW TANK AND DRAIN TO STACK IN AREA. EXTEND P&T RELIEF DOWN TO DRIP PAN. PROVIDE ISOLATION VALVES IN TANK INLET/OUTLET CONNECTIONS. REFER TO SPECIFICATION.
- 4 SUPPLY AND INSTALL RECIRCULATION PUMP C/W TIMECLOCK FOR CONTROL. INSTALL PUMP AT HIGH LEVEL. APPROXIMATELY WHERE SHOWN. REFER TO DETAIL FOR INSTALLATION. UNIT TO BE INSTALLED TO ACCOMMODATE MANUFACTURER'S RECOMMENDED SERVICE AND INSTALLATION CLEARANCE REQUIREMENTS. REFER TO MECHANICAL UNIT SCHEDULE.
- 5 SUPPLY AND INSTALL WELL PUMP IN WELL. LOCATION AND SPECIFICATION TO BE DETERMINED AFTER TEST DRILLS HAVE BEEN COMPLETED. ENSURE WELL HEAD IS LOCATED OUT OF DRAINAGE DITCH. UNIT TO BE INSTALLED TO ACCOMMODATE MANUFACTURER'S RECOMMENDED SERVICE AND INSTALLATION CLEARANCE REQUIREMENTS.
- 6 PROVIDE MAIN BUILDING TRAP AND CLEAN OUT AT BUILDING LINE. CONFIRM LEAVING INVERT WITH OUTSIDE SERVICES CONTRACTOR ON SITE.
- 7 VENT TO CONTINUE UP TO ROOF C/W INCREASER AT ROOF LINE. INSULATE VENT PIPING BACK 10'-0" FROM ROOF PENETRATION IN ALL DIRECTIONS.
- 8 SUPPLY AND INSTALL 2" WATER TANK REFILL LINE COMPLETE WITH SHUTOFF VALVE AND THREADED CONNECTION W/ END CAP. SUPPLY AND INSTALL 3" VENT W/ DOWNTURN AT EXTERIOR FOR OVERFLOW.
- 9 SUPPLY AND INSTALL 3" FLOOR DRAIN W/ TRAP SEAL. TIE IN 3" Ø 1/50 SANITARY LINE TO SANITARY MAIN APPROXIMATELY AS SHOWN. COORDINATE LOCATION OF DRAIN WITH ARCHITECT. REFER TO SPECIFICATION.
- 10 SUPPLY AND INSTALL MOP SINK. PROVIDE 1/2" DCW AND 1/2" DHW PIPING DOWN TO FIXTURE BRASS MOUNTED ON WALL ABOVE FIXTURE C/W DUAL CHECK VALVES. PROVIDE VACUUM BREAKER ON ALL HOSE END CONNECTIONS AND REDUCED PRESSURE BACKFLOW PREVENTER. REFER TO SPECIFICATION.
- 11 SUPPLY AND INSTALL WATER STORAGE TANK APPROXIMATELY WHERE SHOWN. UNIT TO BE INSTALLED TO ACCOMMODATE MANUFACTURER'S RECOMMENDED SERVICE AND INSTALLATION CLEARANCE REQUIREMENTS. REFER TO MECHANICAL UNIT SCHEDULE.
- 12 SUPPLY AND INSTALL SANITARY HOLDING TANK APPROXIMATELY WHERE SHOWN. UNIT TO BE INSTALLED TO ACCOMMODATE MANUFACTURER'S RECOMMENDED SERVICE AND INSTALLATION CLEARANCE REQUIREMENTS. REFER TO MECHANICAL UNIT SCHEDULE. REFER TO INSTALLATION DETAIL.
- 13 SUPPLY AND INSTALL PRESSURE TANK APPROXIMATELY WHERE SHOWN. UNIT TO BE INSTALLED TO ACCOMMODATE MANUFACTURER'S RECOMMENDED SERVICE AND INSTALLATION CLEARANCE REQUIREMENTS. REFER TO MECHANICAL UNIT SCHEDULE.
- 14 SUPPLY AND INSTALL WATER SOFTENING DEVICE FOR WELL WATER. UNIT SIZE AND SPECIFICATION BASED ON TEST DRILL FINDINGS. REFER TO SPECIFICATION.
- 15 DOMESTIC WATER PLUMBING TO HANG FROM UNDERSIDE OF STRUCTURAL SLAB.

GENERAL NOTES - PLUMBING

1. MECHANICAL SUB CONTRACTOR SHALL VERIFY EXACT LOCATIONS, SIZES, INVERTS, ETC. PRIOR TO COMMENCEMENT OF WORK. VERIFY ALL CONNECTION POINTS ON SITE.
2. MECHANICAL SUB CONTRACTOR SHALL ALLOW IN HIS BID QUOTATION FOR ALL REQUIRED MODIFICATIONS TO EXISTING SYSTEMS (I.E.) RE-ROUTING OF EXISTING PIPING AS DEEMED NECESSARY DUE TO RENOVATION WORK.
3. REFER TO ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWINGS FOR COORDINATION PURPOSES.
4. ALL CUTTING & PATCHING OF FLOOR SLABS, WALLS ETC. TO BE PERFORMED BY GENERAL CONTRACTOR.
5. ALL VENT PIPING TO BE INSTALLED AS PER CODE.
6. PROVIDE ISOLATION VALVES ON ALL FIXTURES OR FIXTURE GROUP.
7. PROVIDE TRAP SEAL TO ALL FLOOR AND HUB DRAINS. WADE OR EQUAL.
8. PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS OF SYSTEM.
9. ALL DOMESTIC WATER LINES TO BE INSULATED TO MANITOBA HYDRO POWER SMART REQUIREMENTS AND MANITOBA ENERGY CODE FOR BUILDINGS REQUIREMENTS.
10. ALL WORK SHALL COMPLY IN EVERY RESPECT WITH ALL NATIONAL, PROVINCIAL AND LOCAL CODES AND BY-LAWS, WHICH SHALL BE CONSIDERED PART OF THE SPECIFICATION. IN THE CASE OF CONFLICTING REQUIREMENTS, BE GOVERNED BY THE MOST STRINGENT REGULATIONS.
11. THE MECHANICAL SUB CONTRACTOR SHALL INSTALL PLUMBING SYSTEMS IN COMPLETE ACCORDANCE WITH THE RECOMMENDATIONS OF THE NATIONAL/PROVINCIAL BUILDING CODE, LOCAL PLUMBING CODES, AND MANITOBA OFFICE OF THE FIRE COMMISSIONER REQUIREMENTS.
12. ALL INSULATING MATERIALS, METHODS, SIZES AND TYPES OF INSULATION FOR ALL PIPING SHALL BE INSTALLED TO THE REQUIREMENTS OF THE ASHRAE STANDARDS 90.1-2010 "ENERGY STANDARD FOR BUILDING EXCEPT LOW-RISE RESIDENTIAL BUILDING", STANDARD 90.2 "ENERGY EFFICIENT DESIGN OF LOW-RISE RESIDENTIAL BUILDINGS", THERMAL INSULATION ASSOCIATION OF CANADA (TIAC) STANDARDS, AND MANITOBA ENERGY CODE FOR BUILDINGS REQUIREMENTS.
13. PROVIDE DI-ELECTRIC COUPLINGS ON ALL PIPING CONNECTIONS TO HOT WATER TANKS.
14. PROVIDE APPROPRIATE FIRE-STOPPING MEASURES ON ALL PIPING PENETRATING FIRE SEPARATIONS SUBMIT SHOP DRAWINGS FOR REVIEW. ACCEPTABLE PRODUCT: HILTI, OR EQUAL.
15. INSULATE VENT PIPING BACK 10'-0" (3.0 M) FROM ROOF PENETRATIONS IN ALL DIRECTIONS.
16. COORDINATE MOUNTING HEIGHT OF ALL FIXTURES. REFER TO ARCHITECTURAL FOR ELEVATIONS.
17. ALL SANITARY WASTE, VENT PIPING, RAIN WATER PIPING, AND DOMESTIC WATER PIPING SHALL BE CAPABLE OF MEETING OR EXCEEDING THE FLAME SPREAD RATING OF 25 AND DEVELOPED SMOKE RATING OF 50, AND BE SUITABLE FOR INSTALLATION IN AIR PLENUMS.
18. ALL CONTROL / ELECTRICAL WIRING TO MEET FLAME SPREAD RATING OF 25, DEVELOPED SMOKE RATING OF 50 AND BE RATED FOR USE IN PLENUMS.
19. PLUMBING SIZING SHOWN IS BASED ON COPPER PIPING FOR DOMESTIC WATER, AND CAST IRON PIPING FOR SANITARY AND STORM. MECHANICAL SUB CONTRACTOR IS RESPONSIBLE FOR RESIZING PLUMBING AS REQUIRED WHEN USING ALTERNATE MATERIALS.

LEGEND - PLUMBING

	SANITARY LINE ABOVE FLOOR/GRADE
	SANITARY LINE BELOW FLOOR/GRADE
	VENT LINE
	VENT LINE INSULATION
	PUMPED DISCHARGE LINE
	GAS LINE
	WELL WATER
	DOMESTIC COLD WATER (DCW)
	DOMESTIC HOT WATER (DHW)
	HOT WATER RECIRCULATION (DHW)
	CLEANOUT
	FLOOR / HUB DRAIN
	PUMP
	SHUT-OFF VALVE
	BALL VALVE
	CHECK VALVE
	MANUAL BALANCING VALVE
	UNION
	PRESSURE REDUCING VALVE
	STRAINER
	PIPE ANCHOR
	WALL HYDRANT
	PRESSURE GAUGE
	THERMOMETER
	DIRECTION OF FLOW

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Revisions

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Project
La Barriere Park Washroom Replacement
La Barriere Park, Manitoba

ISSUED FOR CONSTRUCTION

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