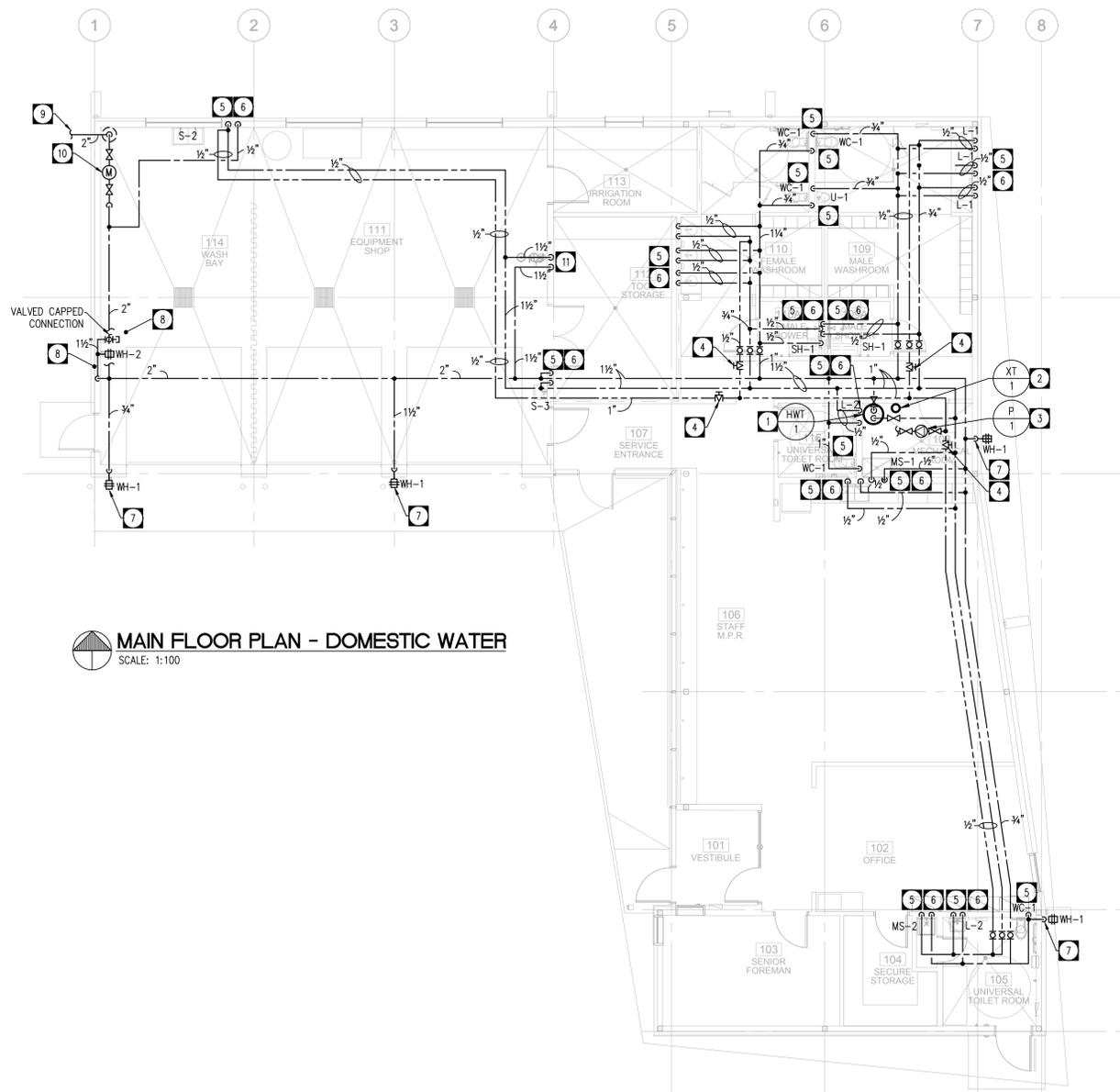


DRAWING NOTES

- 1 PROVIDE AND INSTALL NEW GAS-FIRED DOMESTIC HOT WATER WITHIN MECHANICAL ROOM AS SHOWN ON HOUSEKEEPING PAD. EXACT POSITION TO BE SITE COORDINATED. REFER TO DETAIL.
- 2 PROVIDE AND INSTALL NEW THERMAL EXPANSION TANK AS SHOWN. REFER TO DETAIL.
- 3 PROVIDE AND INSTALL NEW DOMESTIC WATER CIRCULATION PUMP AS SHOWN. REFER TO DETAIL.
- 4 PROVIDE CIRCUIT BALANCING VALVE ON DOMESTIC HOT WATER RETURN LINE AS SHOWN.
- 5 DOMESTIC COLD WATER LINE TO DROP DOWN WITHIN WALL FOR CONNECTION TO FIXTURE. PROVIDE APPROPRIATE CONNECTION C/W NECESSARY TRANSITIONS.
- 6 DOMESTIC HOT WATER LINE TO DROP DOWN WITHIN EXTERIOR WALL TO HOSE BIBB AS SHOWN. PROVIDE ISOLATION VALVE AT HIGH LEVEL. REFER TO SPECIFICATIONS. LINE TO RUN ON WARM SIDE OF INSULATION.
- 7 DOMESTIC COLD WATER LINE TO DROP DOWN WITHIN EXTERIOR WALL TO HOSE BIBB AS SHOWN. PROVIDE ISOLATION VALVE AT HIGH LEVEL. REFER TO SPECIFICATIONS. LINE TO RUN ON WARM SIDE OF INSULATION.
- 8 DOMESTIC WATER LINE TO DROP DOWN WHERE SHOWN TO INTERIOR HOSE BIBB AND VALVED AND CAPPED CONNECTION FOR FUTURE OWNER USE. EXACT LOCATIONS AND CONFIGURATION TO BE CONFIRMED WITH TENANT ON SITE.
- 9 DOMESTIC WATER SERVICE BY OTHERS. REFER TO CIVIL DRAWINGS FOR CONTINUATION. CONFIRM FINAL PLACEMENT ON SITE.
- 10 WATER METER ASSEMBLY C/W BACK FLOW PREVENTION TO CITY OF WINNIPEG STANDARDS. REFER TO DETAIL.
- 11 DOMESTIC HOT AND COLD WATER LINE TO DROP DOWN WITHIN WALL TO EMERGENCY SHOWER MIXING VALVE. COORDINATE EXACT PLACEMENT OF MIXING VALVE ON SITE.

GENERAL NOTES - PLUMBING

1. MECHANICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS, SIZES, INVERTS, ETC. PRIOR TO COMMENCEMENT OF WORK. VERIFY ALL CONNECTION POINTS ON SITE.
2. MECHANICAL CONTRACTOR SHALL ALLOW IN HIS TENDER 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. MECHANICAL CONTRACTOR SHALL CAREFULLY REMOVE & RELOCATE EXISTING EQUIPMENT AS PER OWNERS REQUIREMENTS.
5. ALL CUTTING & PATCHING OF FLOOR SLABS, WALLS ETC. TO BE PERFORMED BY CONTRACTOR.
6. ALL VENT PIPING TO BE INSTALLED AS PER CODE.
7. PROVIDE ISOLATION VALVES ON ALL FIXTURES OR FIXTURE GROUP.
8. PROVIDE SURESEAL TRAP SEAL TO ALL FLOOR/HUB DRAINS.
9. PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS OF SYSTEM.
10. ALL DOMESTIC WATER LINES TO BE INSULATED TO MANITOBA HYDRO POWER SMART REQUIREMENTS AND (MANITOBA) NATIONAL ENERGY CODE FOR BUILDINGS REQUIREMENTS.
11. 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.
12. THE MECHANICAL 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.
13. 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.
14. GAS PIPING SHALL BE BLACK STEEL PIPE, EQUAL TO ASTM A-53 SCH. 40 WITH 150 LBS. STANDARD BLACK MALLEABLE IRON SCREWED FITTINGS. ALL WORK SHALL COMPLY WITH C.G.A. B149.1-10 "NATURAL GAS AND PROPANE INSTALLATION CODE", COMPLETE WITH DEPARTMENT OF LABOUR GAS NOTICES, AND SHALL BE PERFORMED BY FULLY QUALIFIED GAS FITTERS AND/OR WELDERS LICENSED TO PRACTICE IN THE PROVINCE OF MANITOBA.
15. PROVIDE DI-ELECTRIC COUPLINGS ON ALL PIPING CONNECTIONS TO HOT WATER TANKS.
16. PROVIDE APPROPRIATE FIRE-STOPPING MEASURES ON ALL PIPING PENETRATING FIRE SEPARATIONS SUBMIT SHOP DRAWINGS FOR REVIEW. ACCEPTABLE PRODUCT: HILTI, OR EQUAL IN ACCORDANCE WITH B7.
17. INSULATE VENT PIPING BACK 10'-0" (3.0 M) FROM ROOF PENETRATIONS IN ALL DIRECTIONS.
18. COORDINATE MOUNTING HEIGHT OF ALL FIXTURES ARCHITECTURAL ELEVATIONS.
19. ALL SANITARY WASTE & VENT 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.
20. ALL CONTROL / ELECTRICAL WIRING TO MEET FLAME SPREAD RATING OF 25, DEVELOPED SMOKE RATING OF 50 AND BE RATED FOR USE IN PLENUMS.



MAIN FLOOR PLAN - DOMESTIC WATER
SCALE: 1:100

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Project
BID OPPORTUNITY 450-2017
KILDONAN PARK
MAINTENANCE BUILDING

Sheet Title
DOMESTIC WATER

Project No. 1559
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Sheet **M2.0**