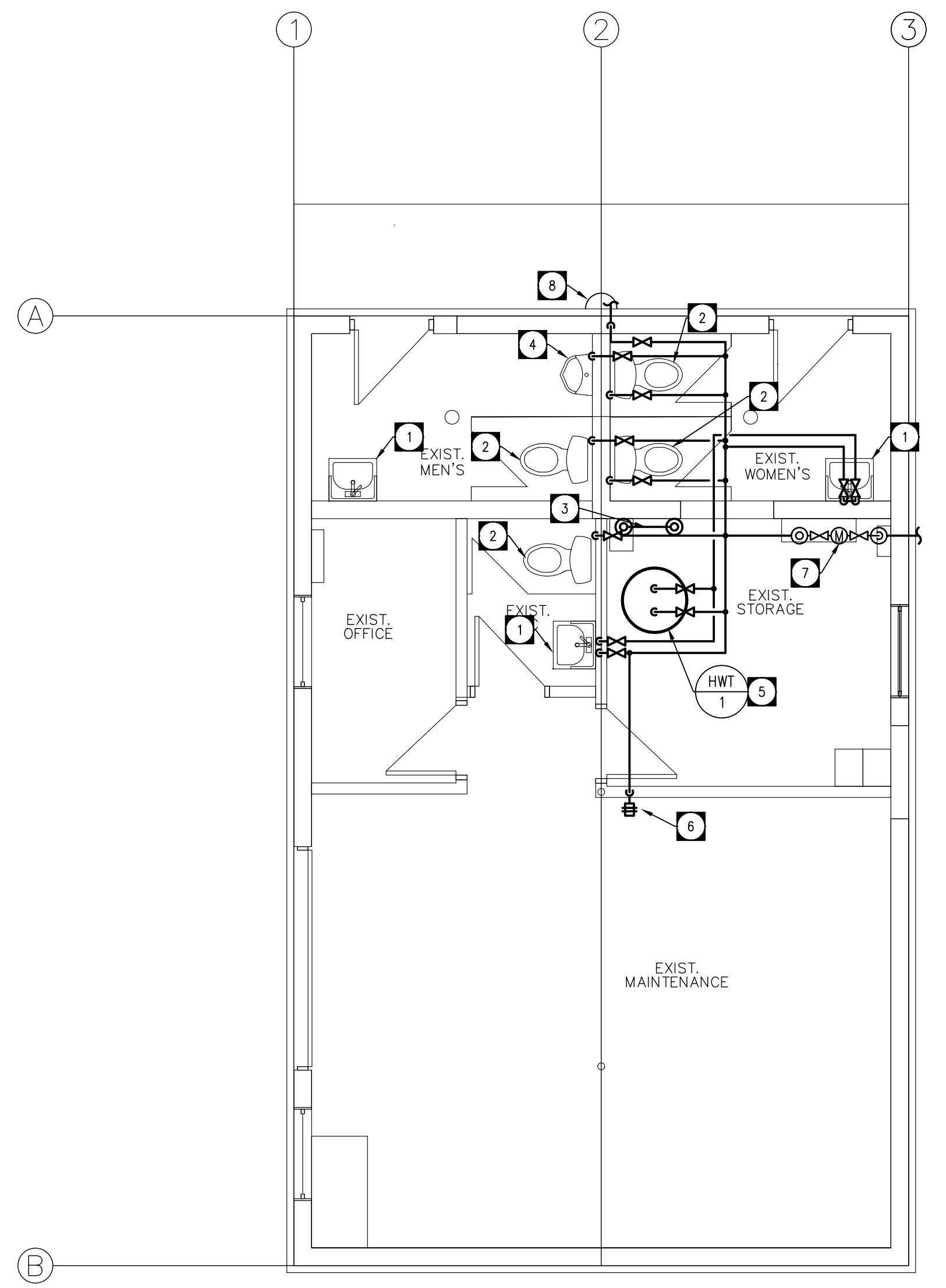


ALL DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF THE CONSULTANT
 NO REPRODUCTIONS MAY BE MADE WITHOUT THE CONSENT OF THE CONSULTANT AND
 ALL REPRODUCTIONS MUST BEAR THE NAME OF THE CONSULTANT.
 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DATUMS AND LEVELS NOTED ON
 THE DRAWINGS WITH THE CONDITIONS ON SITE AND SHALL BE RESPONSIBLE FOR
 REPORTING ANY ERRORS OR OMISSIONS TO THE ENGINEER FOR ADJUSTMENTS.
 THIS DRAWING SHALL NOT BE SCALED.

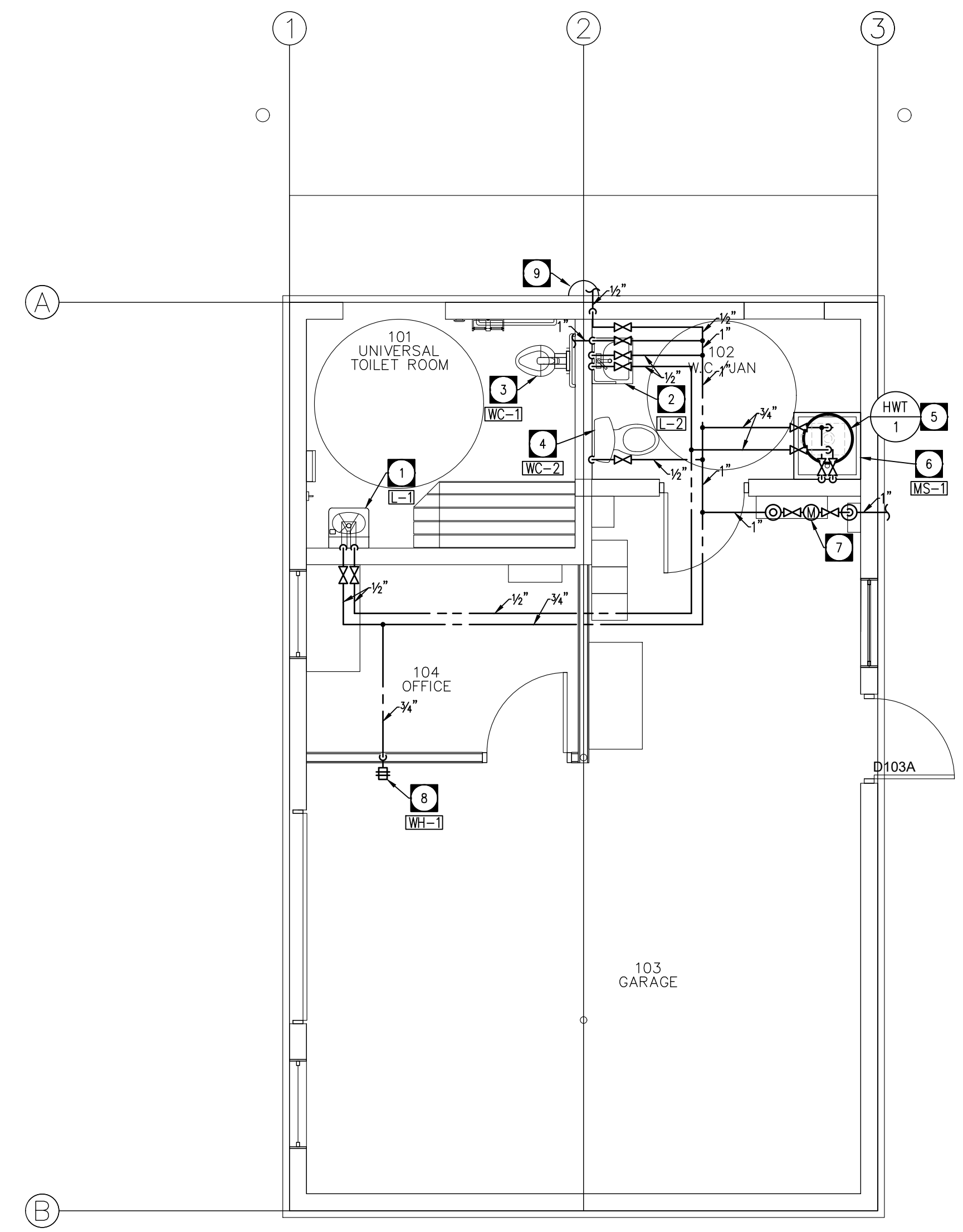
**REFER TO
 DRAWING M0.0
 FOR LEGEND**

GENERAL NOTES - PLUMBING

- MECHANICAL CONTRACTOR SHALL VERIFY EXACT LOCATIONS, SIZES, INVERTS, ETC. PRIOR TO COMMENCEMENT OF WORK. VERIFY ALL CONNECTION POINTS ON SITE.
- 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.
- REFER TO ARCHITECTURAL, ELECTRICAL & STRUCTURAL DRAWINGS FOR COORDINATION PURPOSES.
- MECHANICAL CONTRACTOR SHALL CAREFULLY REMOVE & RELOCATE EXISTING EQUIPMENT AS PER OWNERS REQUIREMENTS.
- ALL CUTTING & PATCHING OF FLOOR SLABS, WALLS ETC. TO BE PERFORMED BY GENERAL CONTRACTOR.
- ALL VENT PIPING TO BE INSTALLED AS PER CODE.
- PROVIDE ISOLATION VALVES ON ALL FIXTURES OR FIXTURE GROUP.
- PROVIDE TRAP SEAL TO ALL FLOOR AND HUB DRAINS. WADE OR EQUAL.
- PROVIDE AUTOMATIC AIR VENTS AT ALL HIGH POINTS OF SYSTEM.
- ALL DOMESTIC WATER LINES TO BE INSULATED TO MANITOBA HYDRO POWER SMART REQUIREMENTS.
- 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.
- 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.
- 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.
- PROVIDE DI-ELECTRIC COUPLINGS ON ALL PIPING CONNECTIONS TO HOT WATER TANKS.
- PROVIDE APPROPRIATE FIRE-STOPPING MEASURES ON ALL PIPING PENETRATING FIRE SEPARATIONS SUBMIT SHOP DRAWINGS FOR REVIEW. ACCEPTABLE PRODUCT: HILTI, OR EQUAL.
- INSULATE VENT PIPING BACK 10'-0" (3.0 M) FROM ROOF PENETRATIONS IN ALL DIRECTIONS.
- COORDINATE MOUNTING HEIGHT OF ALL FIXTURES ARCHITECTURAL ELEVATIONS.
- 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.
- ALL CONTROL / ELECTRICAL WIRING TO MEET FLAME SPREAD RATING OF 25, DEVELOPED SMOKE RATING OF 50 AND BE RATED FOR USE IN PLENUMS.
- PLUMBING SIZING SHOWN IS BASED ON COPPER PIPING FOR DOMESTIC WATER, AND CAST IRON PIPING FOR SANITARY AND STORM. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING REVISED PLUMBING SIZING WITH MANUFACTURER'S RECOMMENDATIONS AS REQUIRED WHEN USING ALTERNATE MATERIALS. SUBMIT TO CONSULTANT FOR REVIEW PRIOR TO ORDERING MATERIALS.
- ALL INSULATION AND COVERINGS SHALL MEET THE REQUIREMENTS OF CAN/ULC-S102 OR S102.2 AND HAVE A FLAME SPREAD RATING NOT EXCEEDING 25 AND A SMOKE DEVELOPED CLASSIFICATION NOT EXCEEDING 50. THIS SHALL INCLUDE ALL TAPES, SEALANTS, AND MISCELLANEOUS PRODUCTS ASSOCIATED WITH THE INSTALLATION.
- CONTRACTOR TO CONFIRM FINAL LOCATIONS OF ALL FIXTURES WITH ARCHITECTURAL PLANS AND ON SITE, PRIOR TO ROUGH-IN.



MAIN FLOOR PLAN - PLUMBING (DEMO)
 SCALE: 1/4"=1'-0"



MAIN FLOOR PLAN - PLUMBING
 SCALE: 1/4"=1'-0"

DRAWING NOTES - DEMO

- EXISTING LAVATORY AND ASSOCIATED DOMESTIC WATER LINES TO BE DEMOLISHED.
- EXISTING TOILET AND ASSOCIATED DOMESTIC WATER LINE TO BE DEMOLISHED.
- EXISTING ABANDONED WATER SERVICE TO BE DEMOLISHED. COORDINATE PATCHING OF FLOOR WITH GENERAL CONTRACTOR.
- EXISTING URINAL AND ASSOCIATED SANITARY LINE TO BE DEMOLISHED.
- EXISTING ELECTRIC HOT WATER TANK TO BE RELOCATED AND REUSED. RELOCATE AS SHOWN ON RENOVATION DRAWINGS. EXISTING DOMESTIC WATER LINES TO BE DEMOLISHED.
- EXISTING WALL HYDRANT AND ASSOCIATED DOMESTIC WATER LINE TO BE DEMOLISHED.
- EXISTING WATER METER ASSEMBLY TO BE DEMOLISHED AND REPLACED TO MEET CITY OF WINNIPEG STANDARDS. REFER TO RENOVATION PLANS.
- EXISTING DRINKING FOUNTAIN TO REMAIN AND BE REUSED. EXISTING DOMESTIC WATER LINE TO BE REUSED. CONFIRM EXACT LOCATION ON SITE.

DRAWING NOTES - PLUMBING

- SUPPLY AND INSTALL LAVATORY. EXTEND 1/2" DCW AND 1/2" DHW PIPING DOWN WALL CAVITY FOR CONNECTION TO FIXTURE BRASS ON WALL C/W ISOLATION VALVES ON SUPPLY PIPING. EXTEND DHWR PIPING DOWN TO MIXING VALVE CONNECTION. REFER TO SCHEDULE.
- SUPPLY AND INSTALL LAVATORY. EXTEND 1/2" DCW AND 1/2" DHW PIPING DOWN 102 WASHROOM WALL, FOR CONNECTION TO FIXTURE BRASS ON WALL C/W ISOLATION VALVES ON SUPPLY PIPING. EXTEND DHWR PIPING DOWN TO MIXING VALVE CONNECTION. REFER TO SCHEDULE.
- SUPPLY AND INSTALL VALVE TYPE WATER CLOSET. EXTEND 1" DCW SUPPLY FLUSH TO 102 WASHROOM WALL, THEN THROUGH WALL TO FLUSH VALVE CONNECTION AT BRASS ABOVE FIXTURE, APPROXIMATELY AS SHOWN. PROVIDE WITH ISOLATION VALVE ON SUPPLY PIPING. VERIFY MOUNTING HEIGHT AND HANDING ON SITE. REFER TO SCHEDULE.
- SUPPLY AND INSTALL TANK TYPE WATER CLOSET. EXTEND 1/2" DCW SUPPLY FLUSH TO 102 WASHROOM WALL TO TANK CONNECTION AT BRASS ABOVE FIXTURE, APPROXIMATELY AS SHOWN. PROVIDE WITH ISOLATION VALVE ON SUPPLY PIPING. VERIFY MOUNTING HEIGHT AND HANDING ON SITE. REFER TO SCHEDULE.
- EXISTING HOT WATER TANK TO BE RELOCATED AT HIGH LEVEL ABOVE MOP SINK, APPROXIMATELY WHERE SHOWN. BRACING FOR HOT WATER TANK BY STRUCTURAL.
- 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 AND ISOLATION VALVES. PROVIDE VACUUM BREAKER ON ALL HOSE END CONNECTIONS. REFER TO SCHEDULE.
- PROVIDE CONNECTION TO EXISTING 1" DOMESTIC WATER MAIN SERVICE. PROVIDE WATER METER ASSEMBLY C/W BACKFLOW PREVENTION AS REQUIRED AND ISOLATION VALVES. INSTALLATION TO CONFORM TO CITY OF WINNIPEG STANDARDS. COORDINATE EXACT LOCATION ON SITE WITH OUTSIDE SERVICES CONTRACTOR.
- SUPPLY AND INSTALL WALL HYDRANT, TO BE SURFACE MOUNTED FLUSH IN BUILDING PANEL C/W ISOLATION VALVE. CONFIRM EXACT LOCATION WITH OWNER. REFER TO SPECIFICATION. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR. REFER TO SPECIFICATION.
- EXISTING DRINKING FOUNTAIN TO REMAIN AND BE REUSED. EXISTING DOMESTIC WATER LINE TO BE REUSED. EXTEND DOMESTIC WATER PIPING AS REQUIRED TO SUIT NEW CLADDING. CONFIRM EXACT REQUIREMENTS AND LOCATION ON SITE.

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Revisions

Date	Revision
2021-10-20	Issued for Tender, Permit, and Construction

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 Nova 3 Engineering Ltd.
 No.962 Date: 2021-10-25

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 H.S. CORTENS
 Member 31511
 2021-10-25
 REGISTERED PROFESSIONAL ENGINEER

Project: City of Winnipeg
 Churchill Park Maintenance
 Building Renovation
 430 Churchill Dr
 Winnipeg, Manitoba

drawing title	scale	date	project no.	reference no.
MECHANICAL - MAIN FLOOR PLAN - PLUMBING	as noted	2021-10-20	21.190	
	designed by HC	drawn by HC	reviewed by JHG	sheet M1.1
				REV.