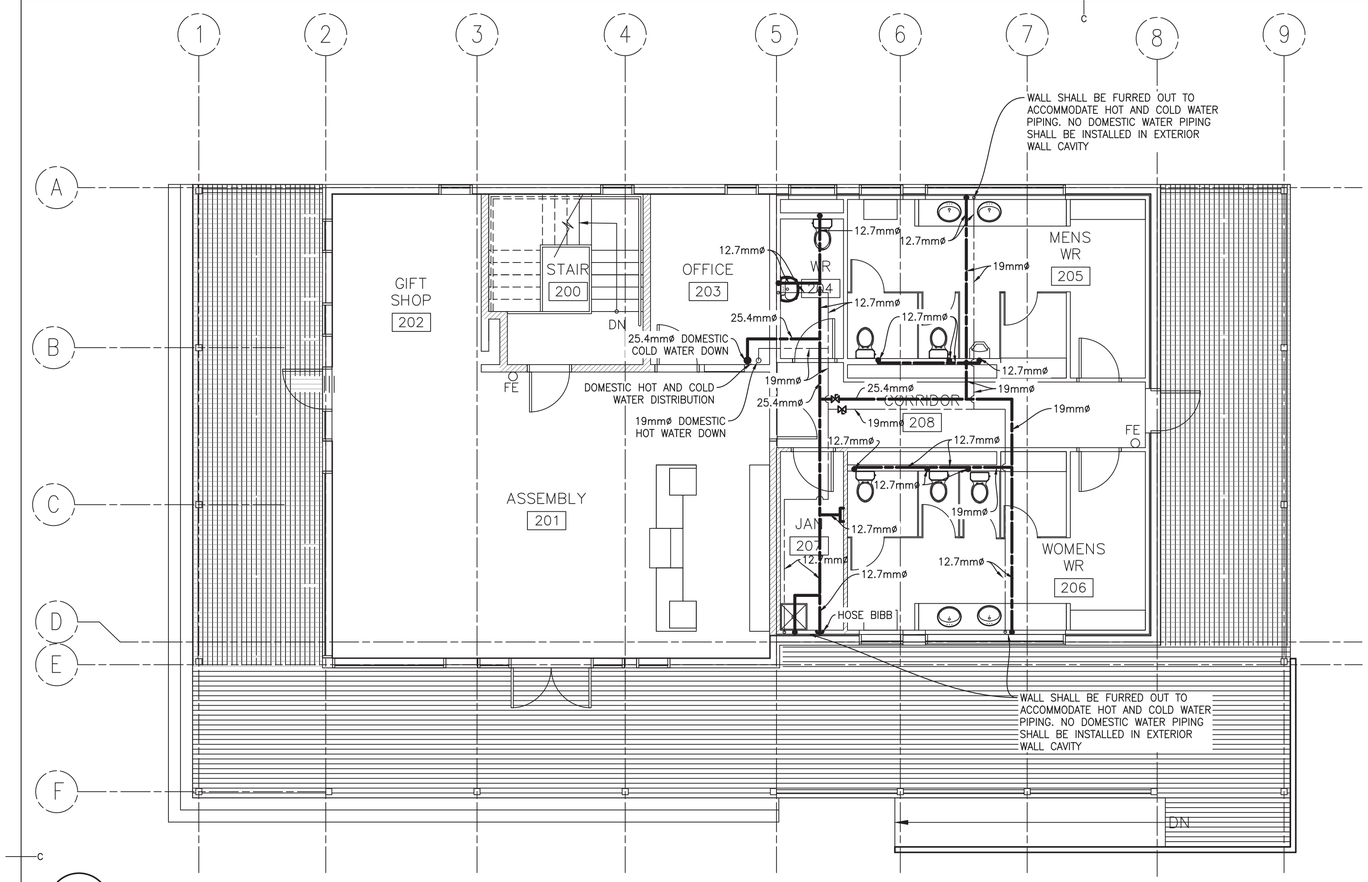
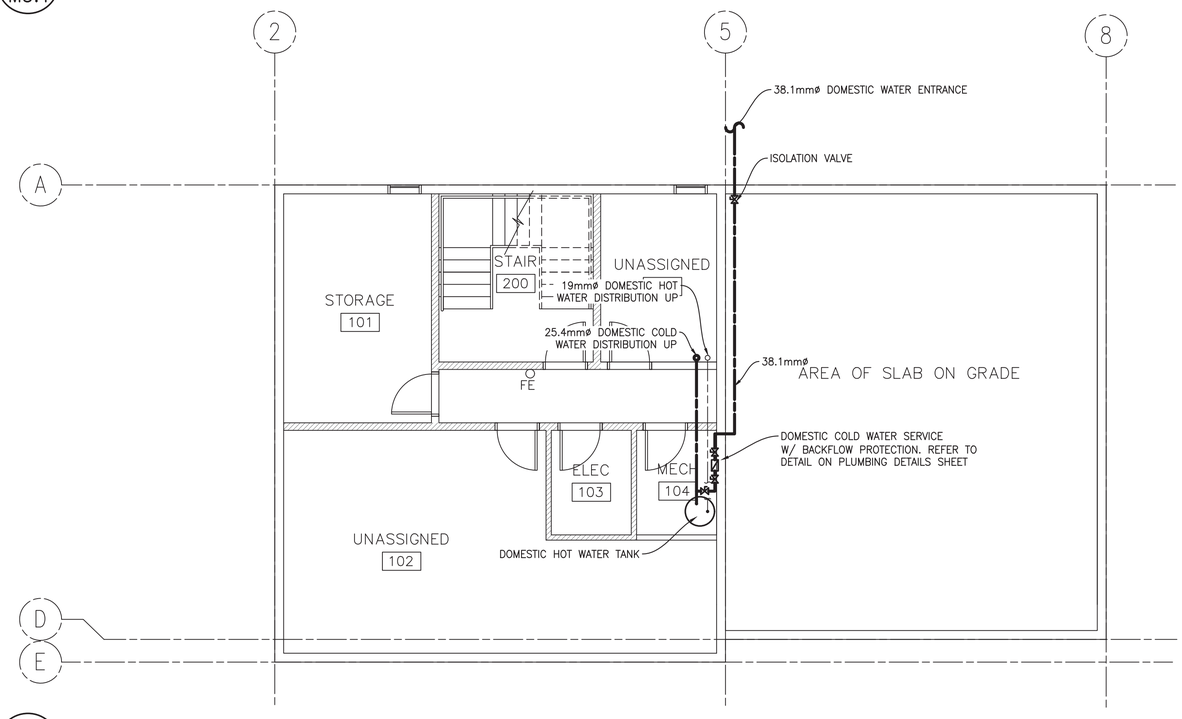


1 M3.1 DOMESTIC WATER PIPING – MAIN FLOOR
SCALE: 1:70



2 M3.1 DOMESTIC WATER PIPING – BASEMENT
SCALE: 1:70

GENERAL NOTES: PLUMBING

THE DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL LOCATIONS FOR PLUMBING FIXTURES AND EQUIPMENT PIPING CONNECTIONS. THIS CONTRACTOR SHALL VERIFY ALL EQUIPMENT AND FIXTURE LOCATIONS ON SITE PRIOR TO INSTALLATION. USE MANUFACTURE'S SPECS AND TEMPLATES FOR ALL PIPING CONNECTIONS TO PLUMBING FIXTURES AND EQUIPMENT PER SCHEDULE.

THE COMPLETE INSTALLATION OF THE PLUMBING SYSTEMS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL APPLICABLE CODES AND STANDARDS.

ALL VENT PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE CANADIAN PLUMBING CODE. THIS CONTRACTOR SHALL SUBMIT TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW OF THE PROPOSED VENT PIPING AND STACK RISER ARRANGEMENTS. THE LOCAL AUTHORITY HAVING JURISDICTION SHALL APPROVE PRIOR TO INSTALLATION.

VENT SYSTEM MUST TERMINATE MIN. 12" ABOVE ROOF LEVEL, MINIMUM 10 FEET FROM ANY OPENINGS OR AIR INTAKES.

THIS CONTRACTOR SHALL PROVIDE ALL LABOUR, MATERIALS, TOOLS, ETC. REQUIRED FOR THE COMPLETE INSTALLATION OF THE PLUMBING SYSTEMS AS SHOWN.

THIS CONTRACTOR SHALL PROVIDE ALL REQUIRED CLEARANCES AS RECOMMENDED BY MANUFACTURER TO ALLOW FOR PROPER OPERATION AND SERVICING OF ALL MECHANICAL EQUIPMENT.

ALL PENETRATIONS THROUGH ROOF AND/OR FLOOR SLAB SHALL BE WEATHER-TIGHT AND SEALED WITH WATERPROOF GROUTING COMPOUND.

ALL PIPING SHALL BE RUN CONCEALED IN WALLS, CEILING, BULKHEADS, WITHIN JOIST SPACE, AND FURRED OUT PIPE CHASES UNLESS OTHERWISE INDICATED.

ALL PIPING SHALL BE PROPERLY SUPPORTED WITH PROPER PIPE HANGERS SECURELY ATTACHED TO THE BUILDING STRUCTURE. PIPING SHALL NOT BE SUPPORTED FROM THE ROOF DECK.

VALVES AND UNIONS SHALL BE INSTALLED AS NECESSARY TO ALLOW FOR ISOLATION AND SERVING OF MECHANICAL EQUIPMENT. PROVIDE ACCESSIBLE ISOLATION VALVES FOR DOMESTIC SUPPLY PIPING TO ALL PLUMBING FIXTURES.

THIS CONTRACTOR SHALL CONDUCT A SITE SURVEY TO VERIFY ALL LOCATIONS ON SITE PRIOR TO INSTALLATION AND MODIFICATIONS AND TO DETERMINE THE EXTENT OF SYSTEM ALTERATIONS.

ALL PENETRATIONS THROUGH FIRE RATED SEPARATIONS SHALL BE SEALED WITH AN APPROVED FIRE STOPPING TO MAINTAIN THE INTEGRITY AND RATING OF THE ASSEMBLY AND INSTALLED IN ACCORDANCE WITH NFPA.

PROVIDE TRAP SEAL PRIMERS TO PRIME ALL TRAPS AND FLOOR DRAINS.

GROUP 1/2"ø TRAP SEAL PRIMER LINES AT CENTRAL LOCATIONS FOR CONNECTION TO TRAP SEAL PRIMER MANIFOLD OR DISTRIBUTION UNIT. CONNECT PRIMER LINES TO ALL UNDERSLAB TRAPS. ENSURE THAT TRAP PRIMER LINES ARE STUBBED UP ABOVE FLOOR AND NOT INSIDE FUTURE FIRE RATED WALLS.

PLUMBING CONTRACTOR SHALL FIELD COORDINATE EXACT PIPE ROUTING WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.

ALL PLUMBING FIXTURES WATER SUPPLY PIPING SHALL BE VALVED AT SUPPLY BRANCH. BRANCH SHUT-OFF VALVES SHALL BE INSTALLED NO HIGHER THAN 12 INCH ABOVE CEILING TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. PROVIDE ACCESS PANELS AS NEEDED.

COORDINATE WATER LINES WITH ELECTRICAL CONTRACTOR, PIPING SHALL NOT BE ROUTED OVER ELECTRICAL PANELS, EQUIPMENT OR CLEAR WORKING SPACE.

CONTRACTOR SHALL INSTALL ALL NECESSARY WALL AND/OR FLOOR CLEANOUTS TO BE ACCESSIBLE FOR MAINTENANCE PURPOSES. CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH LATEST FIXTURE PLANS PRIOR TO STARTING ANY WORK. PROVIDE ACCESS DOORS WHERE REQUIRED.

ALL PIPING AND SHUT-OFF VALVES SHALL BE COPPER.

UNDERSLAB HORIZONTAL CONNECTIONS OF VENT PIPING TO WASTE SEWER SYSTEM SHALL NOT BE ALLOWED, CONTRACTOR SHALL INSTALL WASTE AND VENT PIPING AS REQUIRED PER APPLICABLE CODES. REFER TO DETAIL ON PLUMBING DETAILS SHEET FOR MORE INFORMATION.

CONTRACTOR SHALL COORDINATE EXACT LOCATION OF VENTS THROUGH ROOF WITH ALL CONSTRUCTION TRADES PRIOR TO INSTALLATION.

ON COMPLETION OF PROJECT, SUBMIT THREE (3) HARD COVER "OPERATING AND MAINTENANCE MANUALS" FOR APPROVAL. THE MANUALS SHALL CONTAIN AN INDEX PAGE AND TABBED DIVIDER PAGES, A LIST OF THE SUPPLIER'S NAMES, ADDRESSES AND TELEPHONE NUMBERS, OPERATING AND MAINTENANCE INSTRUCTIONS FOR ALL EQUIPMENT, COPIES OF TEST CERTIFICATES, ETC. AND INCLUDING A COMPLETE SET OF "APPROVED SHOP DRAWINGS".

ALL DOMESTIC COLD AND HOT PIPING SHALL BE THERMALLY INSULATED. EXPOSED PIPING INSULATION SHALL BE COVERED WITH WHITE PVC JACKETING.

ALL DOMESTIC COLD AND HOT WATER PIPING LOCATED ALONG EXTERIOR WALL SHALL BE INSTALLED IN FURRED OUT WALL.

PLUMBING FIXTURE SCHEDULE

Tag	Description	Manufacturer	Model	DCW Connection	DHW Connection	San Connection	Comments
LAV-1	Publlic washroom Lavatory	American Standard	Cadet 0419-444	1/2"Ø	1/2"Ø	1-1/4"Ø	Vitreous china, self-rimming countertop, front overflow, Delta 591T electronic faucet.
WC-1	Water Closet	American Standard	Glenwall 2093.100	1/2"Ø		3"Ø	Vitreous china, elongated bowl, wall carrier kit, open front seat less cover.
UR-1	Urinal	American Standard	Washbrook 6590.525	3/4"Ø		2"Ø	C/w wall hanger kit, 0.5 lpf selectronic flush valve.
MS-1	Mop Sink	Fiat	SB2424	1/2"Ø	1/2"Ø	3"Ø	C/w Delta 28T9 faucet, 8" centers, double check backflow preventor, stainless steel wall guards.
P-1	Sump Pump	Liberty	247			1-1/2"Ø	1/4 HP, 10' head, c/w SP1822 sump pit.
LAV-2	Staff washroom Lavatory	American Standard	Lucerne	1/2"Ø	1/2"Ø	1-1/4"Ø	Wall hung, 4" centers, Delta faucet 21C134
ET-1	Hot Water Expansion Tank	Watts	PLT-12	3/4"Ø			Installed on DCW line to hot water tank
ET-2	Cold Water Expansion Tank	Watts	PLT-5	1/2"Ø			Installed on DCW entrance
FD-1	Floor Drain	Zurn	Z415B	1/2"Ø		3"Ø	C/w trap primer connection
FFD-1	Funnel Floor Drain	Zurn	ZN-211-BF			3"Ø	
BFP-1	Back Flow Preventor	Zurn	350XL	1-1/2"Ø			DCW entrance backflow preventor
HWT-1	Hot Water Tank	Rheem	ProE30	1/2"Ø	1/2"Ø	3/4"Ø	C/w drain pan piped to funnel floor drain
TP-1	Trap Primer	PPP	MPB-500-24V	1/2"Ø			Wiring by mechanical, manifold surface mounted in Janitors Room

PLUMBING LEGEND

- NEW SANITARY
- DOMESTIC COLD WATER
- DOMESTIC HOT WATER
- FLOOR CLEANOUT
- WALL CLEANOUT
- FLOOR DRAIN
- CHECK VALVE
- BACKFLOW PREVENTER
- ISOLATION VALVE

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revisions		date
4	ISSUED FOR TENDER	05/08 2017
3	99% DESIGN REVIEW	04/10 2017
2	99% DESIGN REVIEW	01/18 2017
1	DESIGN DEVELOPMENT	11/01 2016
0	ISSUED FOR REVIEW	09/09 2016

project / projet

WEST GATE ENTRANCE
VISITOR RECEPTION CENTER
WOLFE LAKE
FUNDY, NB
ALBERT COUNTY

drawing / dessin

DOMESTIC WATER LAYOUT

designed RSG / conçu
date JAN. 18/17
drawn KDL / dessiné
date JAN. 18/17
approved / approuvé
date
Tender / Soumission
PWGSC Project Manager / Administrateur de projets TPSGC
2017/05/10

project number / no. du projet
R.075853.001

drawing no. / no. du dessin
M3.1

PWGSC A1 (2004)

1:1

0 10 20mm 40 60 80 100 120 140 160 180 200mm

E-DRM/GDD-E: 547463 Version 1