

1 LOWER LEVEL - PLUMBING

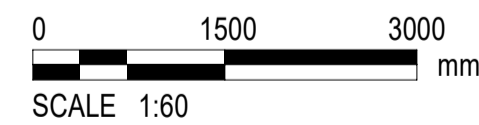
P3-M301 SCALE: 1 : 60

GENERAL DRAWING NOTES

- 1 75 HYDRONIC HOT WATER SUPPLY FROM MAIN PLANT. REFER TO DWG P1-M101 CONTROL CHAMBER BLDG.
- 2 75 HYDRONIC HOT WATER RETURN TO MAIN PLANT. REFER TO DWG P1-M101 CONTROL CHAMBER BLDG.
- 3 50 DOMESTIC POTABLE WATER. REFER TO DWG P1-M101 CONTROL CHAMBER BLDG.
- 4 75 FLUSHING WATER FROM PLANT. REFER TO DWG P1-M101 CONTROL CHAMBER BLDG.
- 5 75 GHS UP TO SECOND LEVEL MECHANICAL RM.
- 6 75 GHR UP TO SECOND LEVEL MECHANICAL RM.
- 7 50 DOMESTIC COLD WATER UP TO MAIN LEVEL.
- 8 75 FLUSHING WATER UP TO MAIN LEVEL FOR DISTRIBUTION.
- 9 GLYCOL POT FEEDER.
- 10 50 FLUSHING WATER (W3) FOR SCUM PIPING CONNECT TO PROCESS T FITTING C/W SHUT OF VALVE.
- 11 50 FLUSHING WATER (W3) FOR LIFTSTATION PIPING CONNECT TO PROCESS T FITTING C/W SHUT OF VALVE. PLACE PIPE BELOW SANITARY LINE.
- 12 75 SANITARY LINE UP TO MAIN LEVEL POLYMER ROOM M-103.
- 13 CONNECT 50 W3 FSW TO MAIN 75 PROCESS FLUSHING WATER W3.
- 14 RUNNING TRAP C/W CLEAN OUT.
- 15 75 SANITARY LINE UP TO D-1.
- 16 50 W3 FSW FOR PIT CLEANING SYSTEM SEE DWG. P3-M102 FOR CONTINUATION.
- 17 75 SANITARY LINE UP TO SK-1 AND EYE WASH.
- 18 100 SANITARY CONDENSATE DRAIN LINE FROM ODOUR CONTROL TO BE INSULATED WITH 50MM THERMAL INSULATION C/W HEAT TRACED FROM T FITTING TO INSIDE OF BASEMENT AND C/W P-TRAP LOCATED IN SANITARY PIT. THERMAL INSULATION AND HEAT TRACE TO STOP 1200mm INSIDE BUILDING.
- 19 HEAT TRACE AND INSULATE.
- 20 CONNECT P-TRAP VENT IN SANITARY PIT TO ODOUR CONTROL VENT PIPING USED IN FAN RM. B-003. SEE PROCESS DWG.
- 21 GRINDER PUMP PIPING COMPLETE WITH UNION FOR EASY REMOVAL AND INSTALLATION OF PUMP.

GENERAL NOTES

1. PROVIDE AN APPROVED FIRE STOPPING SYSTEM FOR ALL MECHANICAL PENETRATIONS THROUGH FIRE RATED WALLS AND FLOORS. COORDINATE WITH ARCHITECTURAL FOR FIRE RATED AREAS AND FIRE RATED WALLS.
2. ALL SANITARY FLOOR DRAINS C/W P - TRAP AND TO BE TRAPPED PRIMERED.
3. PROVIDE ISOLATION VALVES FOR HYDRONIC SUPPLY RETURN, DOMESTIC POTABLE WATER, AND FLUSH WATER (W3) ENTERING THE BLDG. FROM THE CONTROL CHAMBER BLDG.



TENDER NO. 463-2022

DWG NO.	CITY DWG NO.	REFERENCE DRAWING TITLE
A0-M701	1-0101-MDTL-A001 001	DETAILS AND SCHEMATICS
A0-M702	1-0101-MDTL-A001 002	DETAILS AND SCHEMATICS
A0-M703	1-0101-MDTL-A001 003	DETAILS AND SCHEMATICS
A0-M704	1-0101-MDTL-A001 003	DETAILS AND SCHEMATICS
P3-M101	1-0101-MGAD-P602 001	LOWER LEVEL PLUMBING & HVAC FLOOR PLAN
P3-M102	1-0101-MGAD-P603 001	MAIN LEVEL PLUMBING & HVAC FLOOR PLAN
P3-M103	1-0101-MGAD-P604 001	SECOND LEVEL PLUMBING & HVAC FLOOR PLAN
P3-M104	1-0101-MGAD-P605 001	LOWER LEVEL VENTILATION PLAN
P3-M105	1-0101-MGAD-P606 001	MAIN LEVEL VENTILATION PLAN
P3-M106	1-0101-MGAD-P607 001	SECOND LEVEL VENTILATION PLAN
P3-M107	1-0101-MGAD-P608 001	ROOF HVAC PLAN
P3-M301	1-0101-MGAD-P609 001	SECTIONS
P3-M302	1-0101-MGAD-P609 002	SECTIONS
P3-M401	1-0101-MSCH-P601 001	PLUMBING SCHEDULES
P3-M402	1-0101-MSCH-P601 001	HVAC SCHEDULES

		ENGINEER'S SEAL	
		DESIGNED BY: BW / DJP CHECKED BY: BP DRAWN BY: DJP APPROVED BY: NW SCALE: 1 : 60 RELEASED FOR CONSTRUCTION BY: DATE: 2020-12-09 DATE: CONSULTANT NO.: P3-M101	
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00 ISSUED FOR TENDER	2023-08-17	BW	BP
NO. REVISIONS	DATE	DESIGN	CHECK

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 NORTH END SEWAGE TREATMENT PLANT
 PRIMARY CLARIFICATION PROJECT
 MECHANICAL
 LOWER LEVEL
 PLUMBING & HVAC FLOOR PLAN
 CITY DRAWING NUMBER: 1-0101-MGAD-P602
 SHEET: 001
 REV: 01
 SIZE: A1