



PLUMBING MEZZANINE LEVEL PLAN - NEW
SCALE 1:100

GENERAL NOTES:

1. CONFORM TO MANITOBA PLUMBING CODE. ALL LOCAL CODES AND AUTHORITY HAVING JURISDICTION FOR DESIGN, SUPPLY AND INSTALLATION OF PLUMBING AND VENT SYSTEM.
2. EQUIPMENT LOCATIONS AND PIPE ROUTING INDICATED ON THE DRAWINGS IS APPROXIMATE ONLY. CONFIRM IN THE FIELD. REROUTE PIPING AS REQUIRED TO ELIMINATE FIELD INTERFERENCES WITH BUILDING STRUCTURE, ELECTRICAL, ETC.. CONFIRM CHANGES WITH CONTRACT ADMINISTRATOR. **COORDINATE WORK WITH ALL SUBTRADES**.
3. WHERE DIMENSIONS ARE INDICATED FOR PIPING EQUIPMENT SIZES, ETC. THESE ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING EQUIPMENT AND COMMENCING INSTALLATION WITHOUT EXTRA CHARGES TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL EQUIPMENT, DUCTWORK AND PIPING FITS IN THE SPACE AVAILABLE AND TO MAINTAIN THE GENERAL DESIGN INTENT FOR THE SYSTEMS.
4. FIRE SEAL ALL PENETRATIONS THROUGH FIRE SEPARATIONS.
5. PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR NEW PIPING (WATER AND DRAINAGE). FINISH ALL PENETRATIONS AND MAKE GOOD.
6. ROOF DRAIN PIPING SHALL BE INSTALLED AS HIGH AS POSSIBLE WITHIN CEILING SPACES UNLESS NOTED OTHERWISE.
7. COORDINATE ROOF DRAIN AND ASSOCIATED PIPING WORK WITH ROOF PHASING PLAN.
8. REFER TO DRAWING 1-0650M-M0005-001 FOR EQUIPMENT REMOVAL PHASING PLAN.
9. THE ROOF DRAIN LAYOUT SUPERCEDES DRAWING WH5622-15.
10. MODIFICATIONS TO THE TONNER ROOM DRAINS ARE SHOWN WITH THE EXPECTATION OF THE FUTURE INSTALLATION OF A CHLORINE SCRUBBER SYSTEM AND SPILL CONTAINMENT AS PART OF ANOTHER PROJECT.

KEYNOTES:

1. EQUIP THE NEW STORM DRAINAGE PIPING WITH TRAPS INSTALLED AS SHOWN. SUPPORT THE NEW STORM DRAINAGE PIPING WITH HANGER SUPPORT ALONG ITS LENGTH. REFER TO DRAWING 1-0650M-M0006-002 (DETAIL-7) FOR HANGER DETAIL.
2. SUPPORT DRAIN PIPE UNDER BEAM AND COLUMN INTERSECTION CLEAR OF GANTRY CRANE GIRDER. RELOCATE GANTRY END STOPS 8" NORTH. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
3. INSTALL ROOF DRAINS NORTH OF TONNER ROOM GANTRY RAIL, CLEAR OF CRANE TRAVEL. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
4. CONNECT 100mm BRANCH DRAIN PIPE TO EXISTING 150mm RISER. RUN DRAINPIPE THROUGH EXISTING CONCRETE BLOCK PARTITION.
5. REMOVE GRILLES AND DEBRIS FROM EXISTING CORRODED FLOOR DRAIN BOXES. PERMANENTLY FILL WITH GROUT FLUSH WITH TONNER ROOM FLOOR.
6. COVER EXISTING FLOOR DRAINS WITH METAL BLANK AND GASKET COMPATIBLE WITH CHLORINE DIOXIDE. SECURE WITH BOLTS FLUSH WITH TONNER ROOM FLOOR. SEAL EXISTING FLOOR PENETRATIONS NEAR N WALL.

LEGEND:

- — EXISTING EQUIPMENT AND PIPING
- — NEW EQUIPMENT AND PIPING
- ==== NEW INSULATED PIPING
- RD — ROOF DRAIN

10	-	-
9	-	-
8	-	-
7	-	-
6	-	-
5	-	-
4	1-0650M-M0006-002	MECHANICAL - PUMP STATION - DETAILS (2 OF 2)
3	1-0650M-M0005-001	MECHANICAL - PUMP STATION ROOF - HVAC PLAN - NEW
2	1-0650M-S0003-001	STRUCTURAL - ROOFING - PLAN & DETAILS
1	1-0650A-D0001-001	COVER SHEET
NO.	DRAWING NUMBER	REFERENCE DRAWING TITLE

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
KGS Group
No. 245

B.M.	-
ELEV.	-
0	ISSUED FOR CONSTRUCTION
NO.	REVISIONS
DATE	DESIGN CHECK

KGS GROUP

DESIGNED BY: C. HOLBROOK
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SCALE: AS NOTED
DATE: 2020-06-18

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ENGINEER'S SEAL

PROVINCE OF MANITOBA
C.P. HOLBROOK
REGISTERED PROFESSIONAL ENGINEER
Member 43303
2020-06-19

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

HURST PUMPING STATION
STRUCTURAL REPAIRS AND DRAINAGE BUILDING UPGRADES
MECHANICAL
PUMP STATION MEZZANINE
PLUMBING PLAN

CITY DRAWING NUMBER: 1-0650M-M0002
SHEET: 001
REV: 0
SIZE: A1