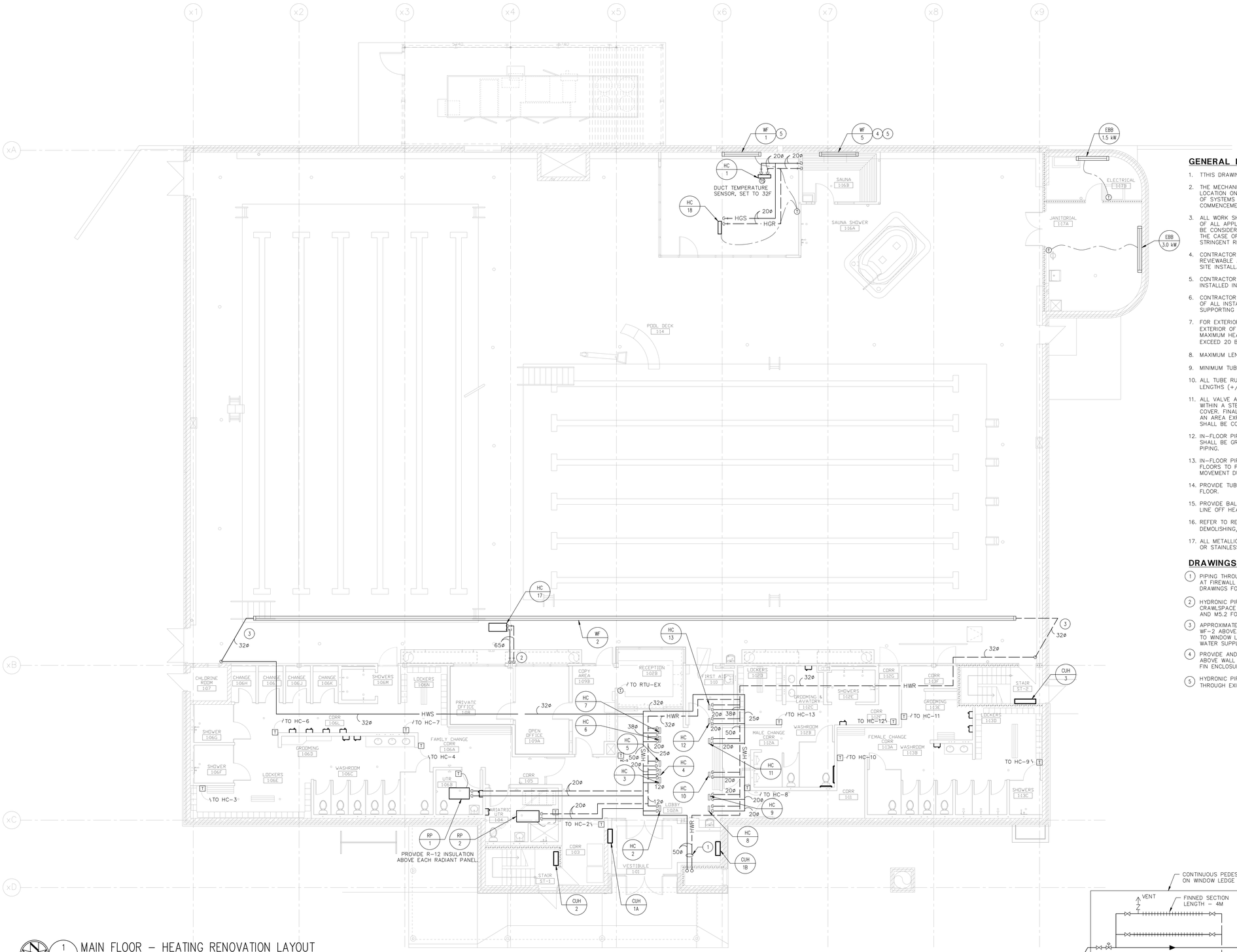


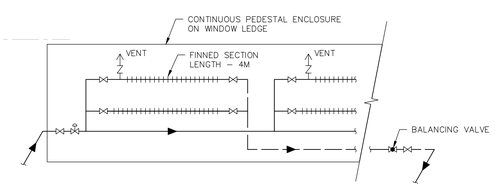
1 M6.1 MAIN FLOOR – HEATING RENOVATION LAYOUT
SCALE: 1:100

GENERAL NOTES:

1. TTHIS DRAWING IS DIAGRAMMATIC ONLY. DO NOT SCALE.
2. THE MECHANICAL SYSTEMS SHOWN ARE APPROXIMATE IN LOCATION ONLY. CONTRACTOR TO VERIFY EXACT LOCATION OF SYSTEMS BEING MODIFIED ON SITE PRIOR TO COMMENCEMENT OF WORK.
3. ALL WORK SHALL COMPLY WITH THE MOST CURRENT VERSION OF ALL APPLICABLE CODES AND STANDARDS, WHICH SHALL BE CONSIDERED PART OF THESE CONTRACT DOCUMENTS. IN THE CASE OF CONFLICTING REQUIREMENTS, THE MOST STRINGENT REGULATION SHALL PREVAIL.
4. CONTRACTOR TO MAINTAIN CURRENT AND READILY REVIEWABLE AS-BUILT DRAWINGS ACCURATELY REFLECTING SITE INSTALLATIONS.
5. CONTRACTOR TO ENSURE ALL MATERIALS MODIFIED OR INSTALLED IN AN AIR PLENUM ARE RATED FOR SUCH USE.
6. CONTRACTOR TO MAINTAIN DIGITAL PHOTOGRAPHIC RECORDS OF ALL INSTALLATIONS PRIOR TO CONCEALMENT BY SUPPORTING TRADES.
7. FOR EXTERIOR ZONES CONCENTRATE TUBING RUNS AT EXTERIOR OF ZONE AT 6" (150MM) ON CENTRE INTERVALS. MAXIMUM HEAT OUTPUT OF ZONE AS INDICATED; NOT TO EXCEED 20 BTUH/SQ. FT. (98 W/SQ. M.)
8. MAXIMUM LENGTH OF LOOP TO BE 300 FT. (91 M)
9. MINIMUM TUBING DIAMETER TO BE 5/8" (16MM)
10. ALL TUBE RUNS ON A SINGLE MANIFOLD TO BE SIMILAR LENGTHS (+/- 10%)
11. ALL VALVE AND MANIFOLD ASSEMBLIES SHALL BE LOCATED WITHIN A STEEL CABINET COMPLETE WITH HINGED METAL COVER. FINAL FINISH BY ARCHITECTURAL. WHERE LOCATED IN AN AREA EXPOSED TO DIRECT MOISTURE, CABINET MATERIAL SHALL BE CONSTRUCTED OF STAINLESS STEEL.
12. IN-FLOOR PIPING NOT TO OVERLAP WITHIN SLAB. NO EXTRAS SHALL BE GRANTED FOR RE-WORKING OF OVERLAPPING PIPING.
13. IN-FLOOR PIPING TO BE CORRECTLY TIED INTO CONCRETE FLOORS TO PREVENT UNDUE HORIZONTAL OR VERTICAL MOVEMENT DURING POURING OF CONCRETE.
14. PROVIDE TUBE BEND PROTECTORS WHERE PIPING ENTERS FLOOR.
15. PROVIDE BALANCING VALVES ON EACH SUPPLY AND RETURN LINE OFF HEADER.
16. REFER TO REQUIREMENTS IN SPECIFICATIONS FOR DEMOLISHING/REMOVAL OF ASBESTOS.
17. ALL METALLIC PIPING IN NATATORIUM TO BE EITHER COPPER OR STAINLESS STEEL.

DRAWINGS NOTES:

1. PIPING THROUGH VESTIBULE COMPLETE WITH FIRE STOPPING AT FIREWALL INTO SHAFT. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER DETAIL.
2. HYDRONIC PIPING TO RISE UP THROUGH BENCH FROM CRAWLSPACE BELOW. REFER TO MECHANICAL DRAWINGS M6.0 AND M5.2 FOR ADDITIONAL DETAILS.
3. APPROXIMATE LOCATION FOR HYDRONIC PIPING SERVING WF-2 ABOVE. LOCATE EXISTING HEATING PIPING CHASE UP TO WINDOW LEDGE ABOVE AND REUSE FOR NEW HEATED WATER SUPPLY AND RETURN PIPING FOR NEW WALL FIN.
4. PROVIDE AND INSTALL WALL MOUNTED ALUMINUM DRIP COVER ABOVE WALL FIN WF-5 TO PREVENT WATER FROM ENTERING FIN ENCLOSURE FROM SAUNA SEATS ABOVE.
5. HYDRONIC PIPING TO RISE UP THROUGH EXISTING BENCH THROUGH EXISTING/CAPPED DUCT SUPPLY OPENINGS.



2 M6.1 WF-2 DETAIL
SCALE: NTS

ENGINEERS GEOSCIENTISTS MANITOBA
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MCW Consultants Ltd.
215-1821 Wellington Avenue
Winnipeg, Manitoba, R3H 0G4
Phone – (204) 779-7900
mcw_wpg@mcw.com
www.mcw.com

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No.	Date	Issue / Revision	By
0	22/12/2023	ISSUED FOR CONSTRUCTION	JVL

Drawn By: EJ
Printing Date: 22/12/2023

PROVINCE OF MANITOBA
J.E. VAN LEEUWEN
Member 38282
REGISTERED PROFESSIONAL ENGINEER
2023-12-21

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LM Architectural Group
500-136 Market Ave
Winnipeg Manitoba Canada R3B 0P4
t: (204) 942.0681 f: (204) 943.8676
www.lm-architects.com

CITY OF WINNIPEG
BONIVITAL POOL RENEWAL

1215 Archibald St, Winnipeg, MB.

MAIN FLOOR - HEATING RENOVATION LAYOUT

Comm. No.: 2129 Sheet: **M6.1**
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