

CONSTRUCTION NOTES (CONT.)

26 FUTURE WATER SOURCE HEAT PUMP LOCATION.

27 100 ϕ HWS & HWR MAINS SERVING BUILDING HEAT PUMP ON BASEMENT AND MAIN FLOOR LEVELS. RUN AT HIGH LEVEL.

28 75 ϕ CHWS & CHWR MAINS RISING THROUGH EXISTING MAIN FLOOR MECHANICAL ROOM ABOVE TO SERVE EXISTING FLUID COOLER.

29 50 ϕ GWS & GWR MAINS RISING THROUGH EXISTING MAIN FLOOR MECHANICAL ROOM ABOVE TO SERVE HEATING/COOLING COIL IN EXISTING MAKE-UP AIR UNIT.

30 40 ϕ HWS & HWR LINES RUNNING AT HIGH LEVEL. SEE HYDRONIC SCHEMATIC ON DWG. M06.

31 LINES BROKEN FOR CLARITY. SEE HYDRONIC SCHEMATIC ON DWG. M06.

32 400x250 TRANSFER AIR DUCT AT HIGH LEVEL c/w 25mm METAL MESH ON OPENINGS AND FIRE DAMPER IN WALL. TYPICAL OF 2.

33 LOCATE EMERGENCY BOILER DISCONNECT SWITCH AT MECHANICAL ROOM ENTRANCE.

34 PROVIDE 15 ϕ DCW DOWN FROM MECHANICAL ROOM ABOVE. RUN THREE-15 ϕ COPPER COLD WATER PIPING BELOW GRADE THROUGH 75 ϕ SLEEVE. RUN PIPING IN SAME TRENCH AS SANITARY LINES. SEE DETAIL 6/M08.

35 NEW 2400mm TO 2740mm HIGH CEILING TRANSITION. PIPING LOCATED IN 2740 HIGH AREAS SHALL BE INSTALLED BELOW NEW CEILING WHEREVER POSSIBLE.

36 50 ϕ NG DOWN FROM MECHANICAL ROOM.

37 RELOCATE EXISTING DIFFUSER AND EXTEND DUCTWORK c/w NEW FIRE DAMPER. COORDINATE WITH LIGHTING AND HYDRONIC LAYOUTS.

GENERAL NOTES

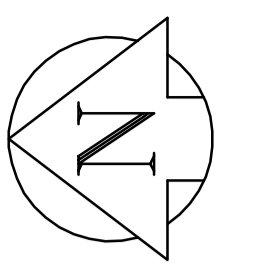
- COORDINATE WITH OTHER TRADES SO AS TO PREVENT CONFLICTS.
- REFER TO ARCHITECTURAL FOR HOUSEKEEPING PAD LOCATIONS.
- COORDINATE FINAL FLOOR DRAIN LOCATIONS WITH HOUSEKEEPING PAD LOCATIONS.
- GENERAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR ON FINAL HOUSEKEEPING PAD DIMENSIONS. PADS TO EXTEND 150mm BEYOND FINAL EQUIPMENT DIMENSIONS.

AECOM

PROVINCE OF MANITOBA
 P.V. LAITINEN
 Member
 25577
 REGISTERED PROFESSIONAL ENGINEER

APEGM
 Certificate of Authorization
 Earth Tech Canada Inc.
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- CONSTRUCTION NOTES**
- 200mm HIGH WOOD PODIUM TO BE REMOVED.
 - 600mm DEEP CABINET TO BE REMOVED.
 - NEW FULL HEIGHT WALL (1 HR FIRE RATING).
 - NEW 800mm WIDE FIRE-RATED DOOR.
 - SEE DETAIL FOR SEWAGE PUMP PACKAGE.
 - 50 ϕ SANITARY DISCHARGE RISING TO HIGH LEVEL. CONNECT INTO NEAREST ADEQUATELY SIZED SANITARY BRANCH.
 - DOWN FROM EXISTING FLOOR DRAIN SERVING MECHANICAL ROOM ABOVE.
 - 75 ϕ SANITARY SLOPING TO SEWAGE PUMP INLET.
 - 50 ϕ VENT RISING TO MECHANICAL ROOM ABOVE. SEE DRAWING M-2 FOR CONTINUATION.
 - EXISTING SANITARY BRANCH RUNNING AT HIGH LEVEL.
 - BMS PANEL.
 - EXISTING T-BAR CEILING TO BE REMOVED.
 - EXISTING PENDANT SPRINKLER HEADS MOUNTED IN NEW CEILING. MODIFY PIPE CONNECTIONS TO SUIT.
 - EXISTING SPRINKLER BRANCH RUNNING AT HIGH LEVEL.
 - EXISTING PENDANT SPRINKLER HEAD TO BE REMOVED AND CAPPED.
 - INSTALL NEW PENDENT SPRINKLER HEADS. MODIFY PIPE CONNECTION TO SUIT.
 - NEW 5lb FIRE EXTINGUISHER c/w WALL BRACKET.
 - EXISTING SUPPLY AIR DUCTWORK RUNNING AT HIGH LEVEL. SIZES AS SHOWN.
 - EXISTING EXHAUST AIR DUCTWORK RUNNING AT HIGH LEVEL. SIZE AS SHOWN. MODIFY ROUTING TO SUIT LOCATION OF NEW WALL.
 - EXISTING HEAT PUMP AT HIGH LEVEL. LOCATE HATCH IN CEILING FOR SERVICING UNIT.
 - INSTALL RADIATION DAMPERS c/w CERAMIC BLANKET ABOVE CEILING SUPPLY AND RETURN GRILLES.
 - 100 ϕ FRESH AIR INLET DOWN FROM MAIN FLOOR MECHANICAL ROOM.
 - 100 ϕ EXHAUST AIR DISCHARGE UP TO MAIN FLOOR MECHANICAL ROOM.
 - FUTURE BOILER LOCATION.
 - FUTURE WATER-TO-AIR HEAT PUMP LOCATION.

NO.	REVISION/DESCRIPTION	BY	DATE
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2	ISSUED FOR ADDENDUM NO. 2		2008/12/12
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DRAWN BY: DL
 CHECKED BY: PVL
 APPROVED: PVL
 DATE: 2008.08.31
 USER APPROVAL

Winnipeg CITY OF WINNIPEG
 PLANNING, PROPERTY AND
 DEVELOPMENT DEPARTMENT
 CIVIC ACCOMMODATIONS DIVISION
 300 - 65 GARRY ST. R3C 4K4

PROJECT
 CONFEDERATION BUILDING
 SUPPLEMENTARY HEATING UPGRADES
 PHASE 1 - CITY BID OPP. NO. 757-2008
 457 MAIN STREET, WINNIPEG, MANITOBA

SHEET TITLE
 BASEMENT
 MECHANICAL/ELECTRICAL ROOM LAYOUTS

SCALE: AS SHOWN
 PROJECT NO.: 105111
 SHEET NO.: M05