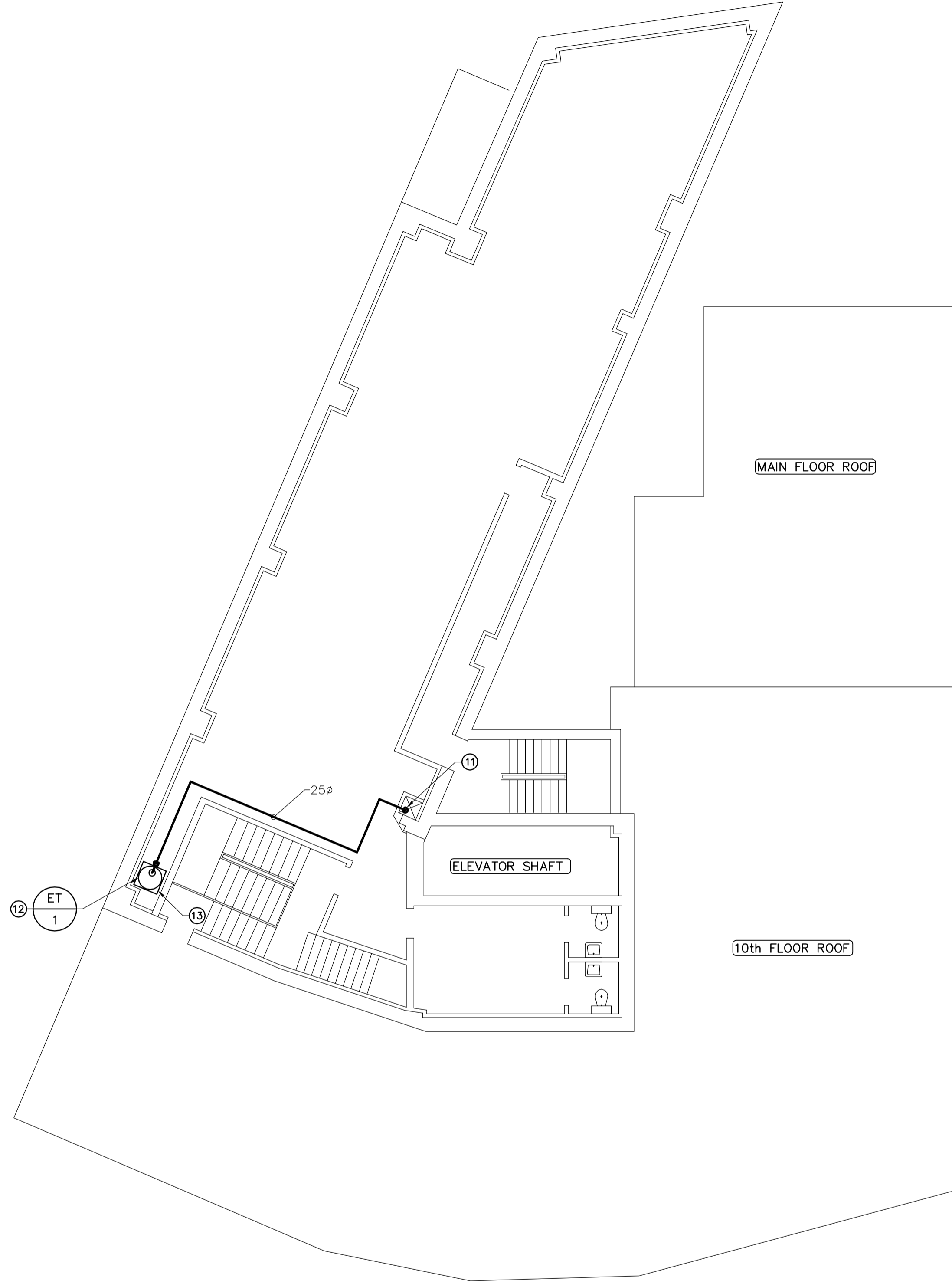


**BASEMENT - MECHANICAL PLAN**  
 SCALE: 1:100



**11th FLOOR - MECHANICAL PLAN**  
 SCALE: 1:100

- NOTES :
- CONSTRUCTION NOTES**
- ① RUN NEW HWS AND HWR PIPING IN BASEMENT CEILING SPACE. SIZE AS SHOWN.
  - ② EXISTING HYDRONIC SUPPLY AND RETURN LINES TO REMAIN IN CEILING SPACE.
  - ③ CAP EXISTING HYDRONIC SUPPLY AND RETURN BRANCHES PREVIOUSLY SERVING EXISTING HEAT PUMPS. CONNECT NEW HWS AND HWR BRANCHES TO EXISTING HEAT PUMP c/w NEW FLEXIBLE PIPE CONNECTIONS AND BALANCING VALVES.
  - ④ NEW HWS AND HWR BRANCHES RISING TO EXISTING HEAT PUMP LOCATED IN MAIN FLOOR CEILING SPACE. SIZE AS SHOWN.
  - ⑤ NEW HWS AND HWR BRANCHES RISING TO EXISTING HEAT PUMP (HP1-2) LOCATED IN CLOSET ON MAIN FLOOR. SIZE AS SHOWN.
  - ⑥ SEE DRAWING M05 FOR CONTINUATION.
  - ⑦ SEE DRAWING M05 FOR MECHANICAL ROOM LAYOUTS.
  - ⑧ FUTURE 40φ CONNECTION.
  - ⑨ PROVIDE NEW MAKE-UP AIR SUPPLY AIR TEMPERATURE TRANSMITTER WIRED BACK TO THE BMS.
  - ⑩ EXISTING 700φ SUPPLY AIR DUCT DOWN FROM MAKE-UP AIR UNIT.
  - ⑪ TIE INTO EXISTING HWS LINES.
  - ⑫ NEW FLOOR-MOUNTED EXPANSION TANK ET-1 c/w SHUT-OFF VALVE, PRESSURE GAUGE AND AUTOMATIC AIR VENT SET TO 345 kPa (50 PSI).
  - ⑬ PROVIDE STAINLESS STEEL SQUARE OR ROUND DRIP PAN UNDERNEATH EXPANSION TANK ET-1. PAN SHALL HAVE A MINIMUM 50mm HIGH SIDES ALL AROUND. PAN TO BE LARGER THAN DIAMETER OF TANK.
  - ⑭ EXISTING EXHAUST FAN LOCATED IN CEILING SPACE.
  - ⑮ NEW SPEED CONTROLLER MOUNTED ON WALL SERVING EXISTING EXHAUST FAN. REDUCE AIR VOLUME OF EXHAUST FAN TO 300 L/S. COORDINATE FINAL LOCATION OF SPEED CONTROLLER WITH CONTRACT ADMINISTRATOR.
  - ⑯ REMOVE EXISTING HEAT PUMP THERMOSTAT PRIOR TO WALL UPGRADES. RE-INSTALL AND RE-CONNECT THERMOSTAT UPON WALL UPGRADE COMPLETION.

- GENERAL NOTES**
1. COORDINATE WITH OTHER TRADES SO AS TO PREVENT CONFLICTS.
  2. GENERAL CONTRACTOR SHALL COORDINATE WITH MECHANICAL CONTRACTOR ON FINAL HOUSEKEEPING PAD DIMENSIONS. PADS TO EXTEND 150mm BEYOND FINAL EQUIPMENT DIMENSIONS.

NO.	REVISION/DESCRIPTION	BY	DATE
2	ISSUED FOR ADDENDUM NO. 2	DL	2008.12.10
1	ISSUED FOR ADDENDUM NO. 1	DL	2008.12.05
0	ISSUED FOR TENDER	DL	2008.11.28

SEALS



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  
 11th FLOOR  
 MECHANICAL LAYOUTS

SCALE	PROJECT NO.	SHEET NO.
AS SHOWN	105111	M02



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