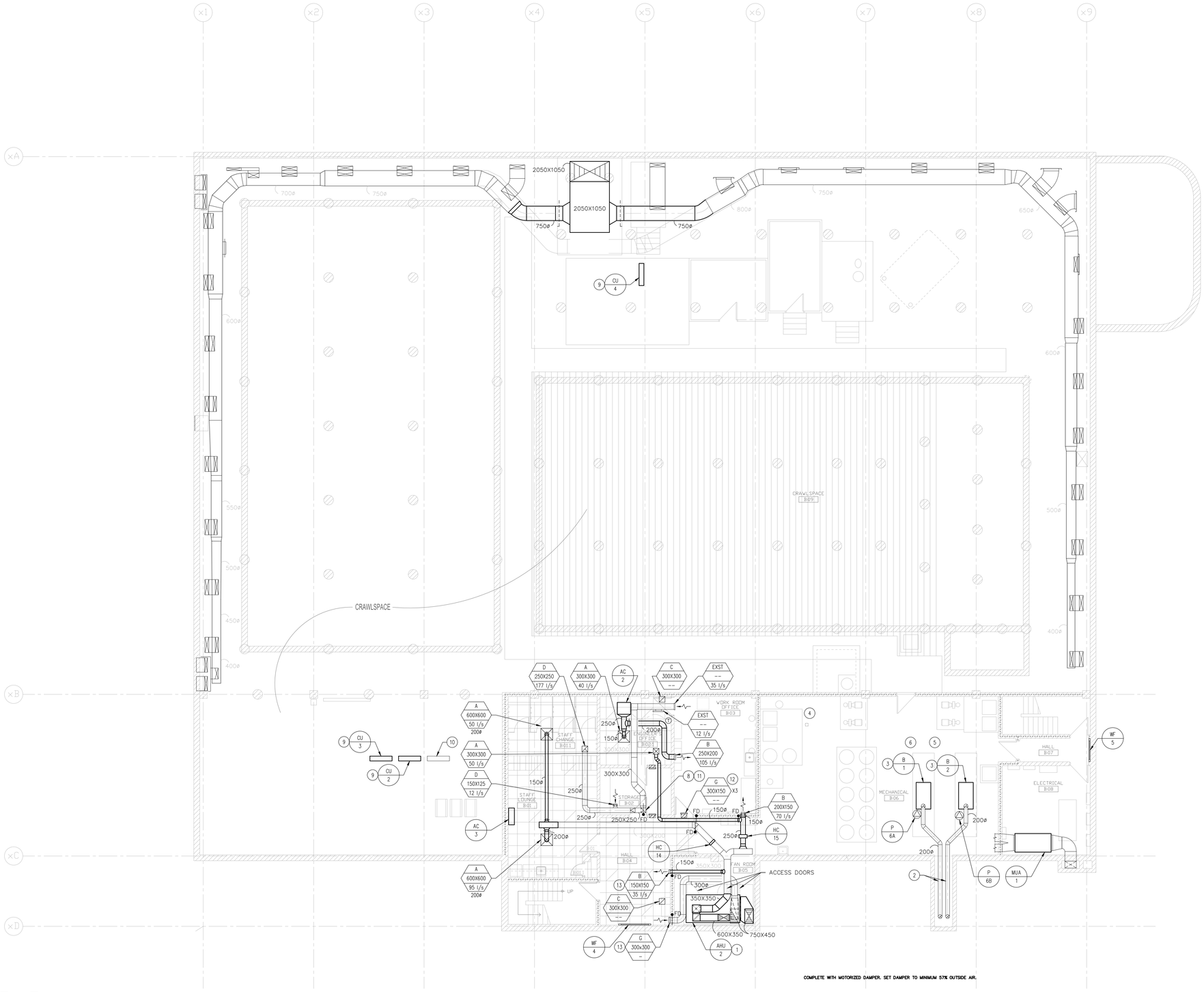

1 M5.0 BASEMENT – HVAC RENOVATION LAYOUT
SCALE: 1:100

GENERAL NOTES:

1. THIS 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. MECHANICAL CONTRACTOR TO ALLOW FOR ADDITIONAL PIPING WITHIN MECHANICAL ROOM AS REQUIRED TO CONNECT TO PIECES OF EQUIPMENT (PROVIDED BY MECHANICAL CONTRACTOR OR OWNER) BASED ON FINAL ROOM LAYOUT AND FINAL CONNECTION POINT LOCATION OF EQUIPMENT.
8. FLARE DUCTWORK AS REQUIRED TO SUIT CONNECTION SIZE OR OPENING TO MECHANICAL EQUIPMENT.
9. PROVIDE FIRE DAMPERS AT EACH LOCATION WHERE A DUCT PENETRATES A FIRE SEPARATION OR FIRE WALL. REFER TO ARCHITECTURAL PLANS FOR LOCATIONS OF FIRE SEPARATIONS AND FIRE WALLS, AND THEIR RATINGS.
10. PROVIDE CEILING DAMPERS FOR ALL DIFFUSERS, GRILLES OR REGISTERS LOCATED IN FIRE RATED CEILINGS. DIFFUSERS TO BE PROTECTED BY CK 2000 THERMAL BLANKET WHERE REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED CEILINGS.
11. FINS TO BE CLEANED AND COMBED PRIOR TO BEING INSTALLED.
12. DUCTS BEING INSTALLED TO BE WIPED CLEAN AND HAVE SEAMS SEALED.
13. MECHANICAL COMPONENTS BEING STORED ON SITE TO BE PROTECTED UNTIL INSTALLATION INTO SYSTEM.
14. REFER TO REQUIREMENTS IN SPECIFICATIONS FOR DEMOLISHING/REMOVAL OF ASBESTOS.

DRAWINGS NOTES:

1. PROVIDE NEW HOUSEKEEPING PAD FOR AHU–2, REFER TO STRUCTURAL DRAWINGS.
2. PROVIDE NEW BOILER VENTING UP TO ROOF THROUGH EXISTING CHIMNEY SHAFT. PROVIDE NEW LINING FOR CHIMNEY.
3. REUSE EXISTING HOUSEKEEPING PAD FOR BOILER, REFER TO STRUCTURAL DRAWINGS.
4. PROVIDE NEW HOUSEKEEPING PAD FOR P–1A & P1–B AND P–11A & P–11B, REFER TO STRUCTURAL DRAWINGS. REFER TO MECHANICAL DRAWING 2/M6.0 FOR PUMP LOCATIONS.
5. PROVIDE NEW HOUSEKEEPING PAD FOR P–2A & P2–B, REFER TO ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL DRAWING 2/M6.0 FOR PUMP LOCATIONS.
6. PROVIDE NEW HOUSEKEEPING PAD FOR P–3A & P3–B, REFER TO ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL DRAWING 2/M6.0 FOR PUMP LOCATIONS.
7. PROVIDE NEW HOUSEKEEPING PAD FOR HX–1, REFER TO ARCHITECTURAL DRAWINGS. REFER TO MECHANICAL DRAWING 2/M6.0 FOR EQUIPMENT LOCATIONS.
8. 250X250 EXHAUST DUCT FROM SPACE ABOVE.
9. NEW CONDENSING UNIT IN CRAWLSPACE COMPLETE WITH HOUSEKEEPING PAD FOR CORRESPONDING WALL MOUNTED AC UNIT.
10. EXISTING CONDENSING UNIT FOR AIR CONDITIONER UNIT IN THE LOBBY.
11. PROVIDE FIRE DAMPER AT FLOOR LEVEL.
12. INSTALL TRANSFER AIR OPENING AND GRILLE WITHIN WALL ABOVE TILE CEILING AT THIS LOCATION.
13. INSTALL GRILLE IN WALL BELOW CEILING.

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Printing Date: 22/12/2023

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

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BASEMENT - HVAC RENOVATION LAYOUT

Comm. No.: 2129 Sheet: **M5.0**
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