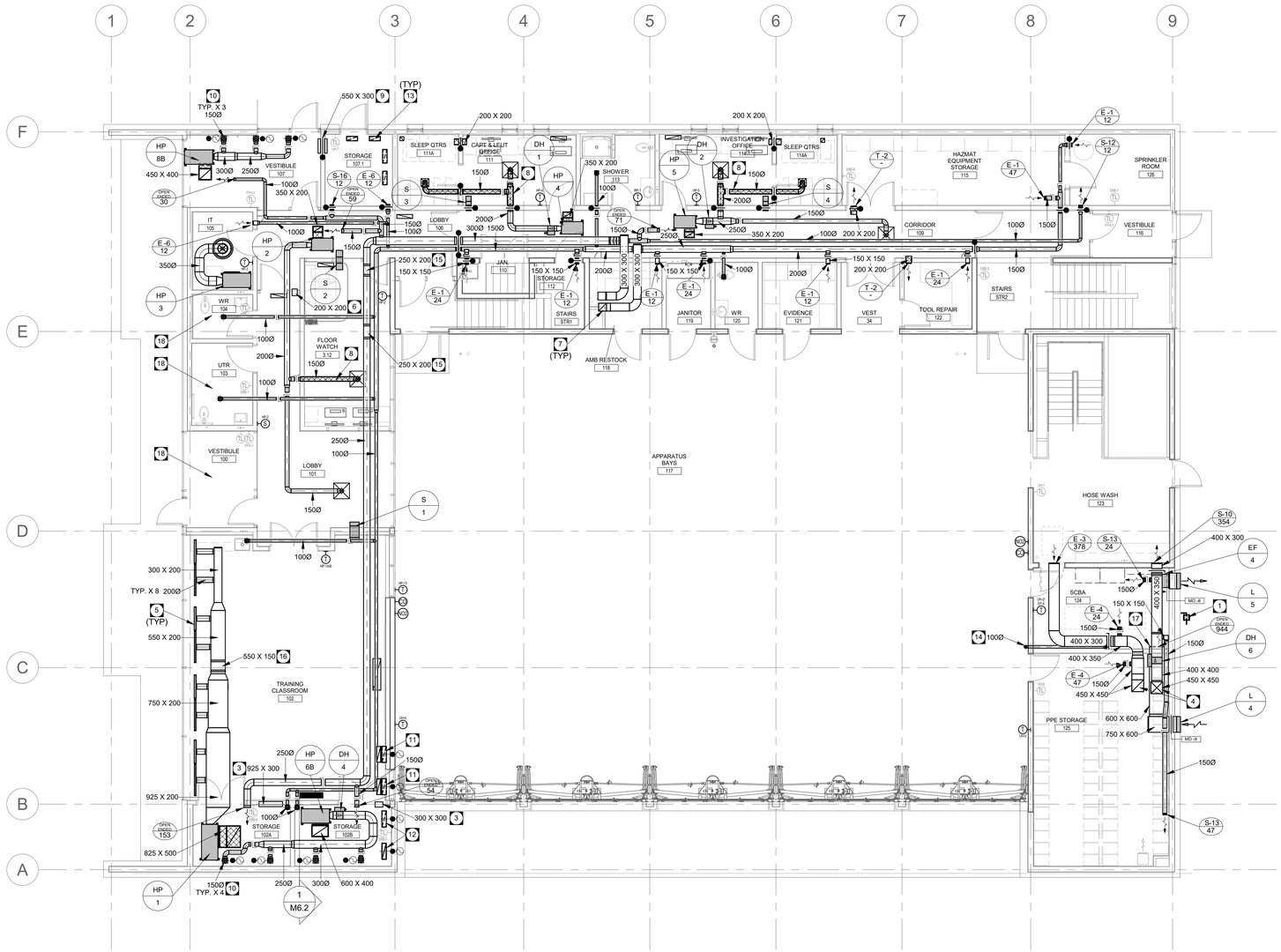

KEY NOTES

1. PROVIDE NEW NATURAL GAS METER. COORDINATE WITH MANITOBA HYDRO.
2. DUCT CONTINUES ON MECHANICAL ROOM LARGE SCALE PLANS.
3. PROVIDE TRANSFER AIR OPENING THROUGH WALL ABOVE CEILING.
4. PROVIDE FIRE DAMPERS WHERE DUCTS PASS THROUGH CEILING TO MECH ROOM ABOVE.
5. PROVIDE TWO SLOT DIFFUSER PLENUMS WITH INTEGRATED BALANCING DAMPERS TO ACCEPT ONE CONTINUOUS LINEAR SLOT DIFFUSER GRILLE. PROVIDE ONE 914 MM PLENUM WITH 152 MM DUCT CONNECTION AND ONE 1219 MM PLENUM WITH 203 MM DUCT CONNECTION. REFER TO SCHEDULE AND SPEC.
6. PROVIDE TRANSFER AIR OPENING THROUGH WALL ABOVE CEILING LEVEL.
7. PROVIDE HORIZONTAL FIRE DAMPERS ON DUCTS PASSING UP INTO THE MECH SHAFT.
8. ACOUSTICALLY INSULATE DUCT(S) ABOVE ROOM WHERE SHOWN.
9. PROVIDE OPEN ENDED DUCT WITH FIRE DAMPER HIGH ON WALL TO TRANSFER RETURN AIR FROM FIRE RATED PLENUM ABOVE STORAGE 107.1 INTO CEILING PLENUM ABOVE VESTIBULE 107.
10. PROVIDE FIRE/SMOKE DAMPER WHERE DUCT PENETRATES CONCRETE TO SERVE FLOOR GRILLE ABOVE.
11. PROVIDE FIRE/SMOKE DAMPER WHERE 150 X 610 DUCT PENETRATES CONCRETE TO SERVE FLOOR GRILLE ABOVE. PROVIDE ACOUSTICALLY LINED "U-SHAPED" DUCT WITH OPEN END POINTED UPWARD IN CEILING SPACE.
12. PROVIDE FIRE/SMOKE DAMPER WHERE 150 X 610 DUCT PENETRATES CONCRETE TO SERVE FLOOR GRILLE ABOVE.
13. PROVIDE OPENING THROUGH HOLLOWCORE FOR RETURN AIR FLOOR GRILLE ABOVE.
14. PROVIDE 100MM PVC OUTDOOR AIR INTAKE PIPE FOR COMPRESSOR ACCORDING TO MANUFACTURER'S INSTRUCTIONS. TERMINATE PIPE WITHIN 5 FEET OF COMPRESSOR INLET.
15. TRANSITION TO FLATTENED RECTANGULAR DUCT TO PASS BELOW STRUCTURAL BEAM.
16. REDUCE DUCT DEPTH TO PASS BELOW STRUCTURAL BEAM.
17. PROTECT DUCT OPENING WITH WIRE METAL MESH.
18. ELECTRICAL TO PROVIDE HEATER AND LINE VOLTAGE THERMOSTAT IN CEILING PLENUM ABOVE ROOM SET TO MAINTAIN 18C. CEILING PLENUM IS OPEN TO MAIN FLOOR EXTERIOR SOFFIT. REFER TO ELECTRICAL AND ARCHITECTURAL.

1 / MH2.1 MAIN FLOOR PLAN - HVAC
SCALE: 1 : 96

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PROVINCE OF MANITOBA
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Member
23527
23-02-03
REGISTERED PROFESSIONAL ENGINEER

Project
WFPS STATION 9
1083 AUTUMNWOOD DRIVE

Sheet Title
MAIN FLOOR - HVAC PLAN

Project No. 22028
Sheet MH2.1

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