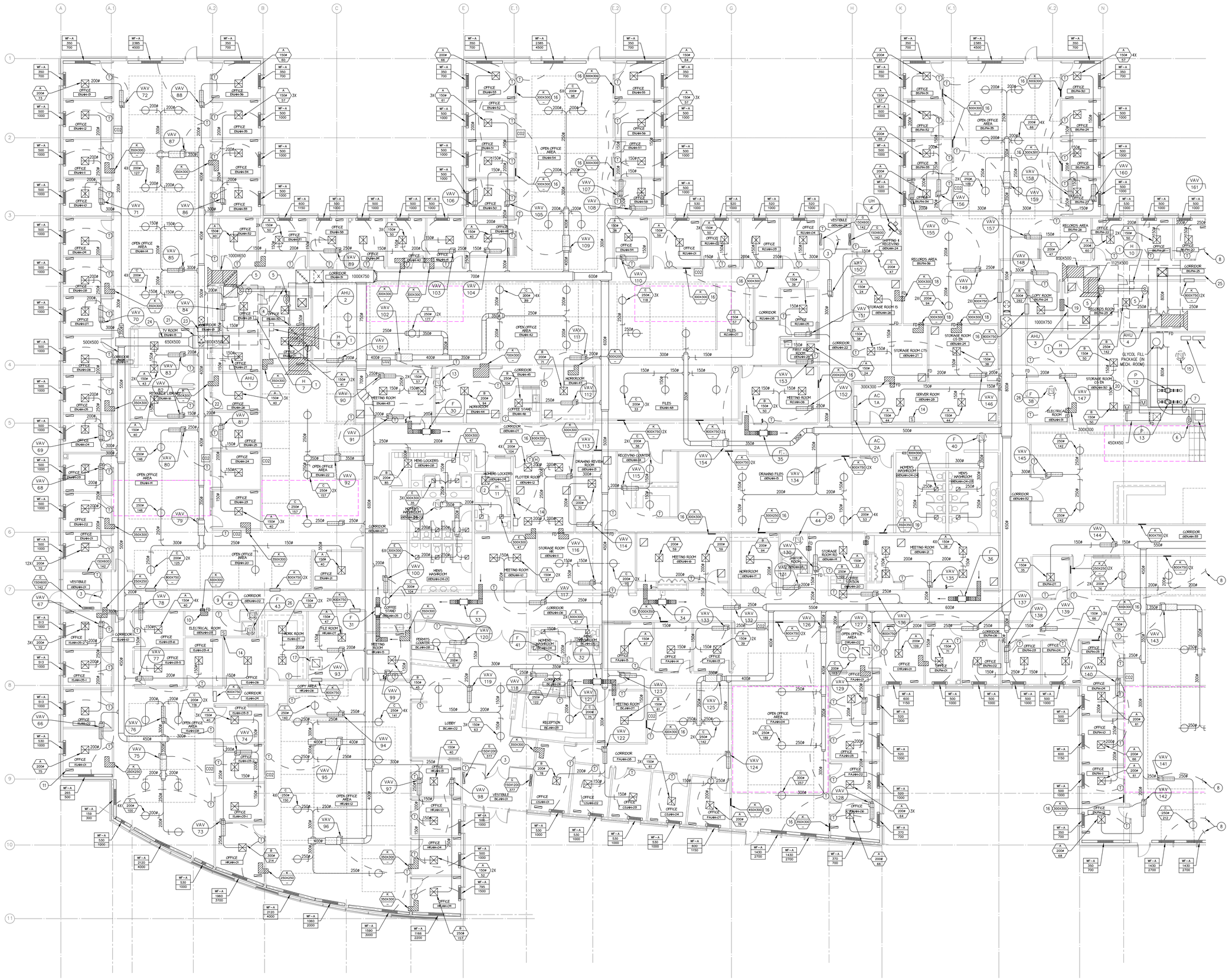
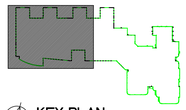


MAIN FLOOR PLAN - PART A
SCALE 1100



KEY PLAN
N.T.S.

GENERAL NOTES:

A. RETURN GRILLES IN ACOUSTIC TILE CEILINGS ARE TO BE 600X150 OR 600X600 AS SHOWN ON PLANS.

B. ALL CONTROL VALVES FOR WALL-FIN TO BE LOCATED IN THE CRAWLSPACE.

C. VESTIBULE FAN COIL UNITS TO HAVE FAN CYCLE TO MAINTAIN SET POINT.

D. AHU-2, AHU-3 AND AHU-4 TO HAVE 2-WAY CONTROL VALVES ON HEATING COILS. AHU-1 TO HAVE A 3-WAY VALVE.

E. DIV 15900 TO PROVIDE CONTROL TRANSFORMERS AND WIRING TO DEVICES, DIV 16 TO PROVIDE 120V POWER TO TRANSFORMERS. ALLOW 20 ON MAIN FLOOR AND 30 IN CRAWLSPACE. FINAL NUMBERS TO BE CONFIRMED AND COORDINATED WITH DIV 16.

F. DDC SENSORS ARE TO BE MOUNTED IN EACH OF THE 5 AHU SERVICE CORRIDORS TO MONITOR SPACE CONDITIONS.

G. ALL EXPOSED ROUND DUCTWORK TO BE SPIRAL DUCTWORK.

H. TRANSFER ELBOWS WITHOUT ATTACHED GRILLE TO BE 300X300 UNLESS NOTED OTHERWISE. TRANSFER ELBOWS WITH GRILLE ARE TO BE THE SIZE OF THE GRILLE UNLESS NOTED OTHERWISE.

I. ALL EXPOSED TRANSITIONS ON ROUND DUCTWORK TO BE ECCENTRIC SUCH THAT DUCT REMAINS AS HIGH AS POSSIBLE.

J. SPACE CO2 SENSORS TO DETERMINE REQUIRED OUTDOOR AIR RATE FOR ASSOCIATE AIR HANDLER.

DRAWING NOTES: (#)

1. HUMIDIFIER MOUNTED IN AIR HANDLING UNIT SERVICE CORRIDOR. DISPERSION TUBE PIPED TO HUMIDIFICATION SECTION IN AIR HANDLING UNIT.
2. WALL MOUNTED HUMIDIFIER C/W BLOWER PACK.
3. THERMOSTAT DOWN TO FAN COIL UNIT IN CRAWLSPACE.
4. GLYCOL HEATING SUPPLY AND RETURN UP FROM CRAWLSPACE.
5. GLYCOL HEATING SUPPLY AND RETURN PIPING UP TO ROOFTOP AIR HANDLING UNIT.
6. GLYCOL HEATING SUPPLY AND RETURN PIPING DOWN TO CRAWLSPACE FROM HEAT EXCHANGER.
7. GLYCOL HEATING SUPPLY AND RETURN PIPING UP TO CEILING SPACE TO CONNECT TO ROOFTOP AIR HANDLING UNITS.
8. TO THERMOSTAT. SEE M2.4 FOR CONTINUATION.
9. 450X450 DUCT UP FROM CRAWLSPACE TO ROOFTOP EXHAUST FAN, C/W RODENT SCREEN AND FIRE DAMPER.
10. 300X300 TRANSFER DUCT C/W FIRE DAMPER.
11. SMALL RETURN GRILLE TYPE D, 600X150 TYPICAL.
12. LARGE RETURN GRILLE TYPE D, 600X600 TYPICAL.
13. NEW ROOFTOP EXHAUST FAN F-47, CONNECT TO OWNER'S EXHAUST HOOD.
14. DDC SENSOR TO MONITOR SPACE CONDITION.
15. 125X125 BOILER ROOM RELIEF VENT.
16. PROVIDE A SOUND BAFFLE PER SPECIFICATION DETAIL, PROVIDE FOR SIDEWALL APPLICATION.
17. 600X600 RELIEF OPENING UP TO HOOD.
18. TRANSFER GRILLE C/W FIRE DAMPER
19. 900X300 TRANSFER OPENING.
20. 450X450 DUCT UP TO ROOFTOP INTAKE HOOD.
21. 1000X550 DUCT IN JOIST SPACE.
22. 400# DUCT THROUGH WEB.
23. 500X500.
24. 650X500 TIGHT TO U/S STRUCTURE.
25. RUN IN JOIST SPACE DROP UNDER BEAMS.
26. COMPLETE WITH 350X350 DUCT TO TYPE E, EGG CRATE GRILLE.

FOR CONTINUATION, REFER TO DRAWING M2.4

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02-018-01

SEAL:
ORIGINAL CONTRACT DRAWING SIGNED AND SEALED BY V.S. WALKES, P. ENG MAY 14, 2004

PEGM
Certificate of Authorization
SMS Engineering Ltd.
No. 166 Expiry: April 30, 2005

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PROJECT TITLE:
OFFICE ADDITION AND RENOVATION
1155 PACIFIC AVENUE
WINNIPEG, MANITOBA

FRIESEN TOKAR ARCHITECTS

CONTENTS:
MAIN FLOOR PLAN - PART A
H.V.A.C.

DRAWING:
M2.3