

1 MAIN FLOOR PLAN - NEW HVAC
Scale 3/161'-0"

GENERAL NOTES:

- PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- REVIEW EQUIPMENT LOCATIONS WITH CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR DESIGN LOCATIONS OF GRILLES AND DIFFUSERS. COORDINATE WITH CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
- EQUIPMENT LOCATIONS, DUCT, AND PIPE ROUTING INDICATED ON THE DRAWINGS IS APPROXIMATE ONLY. CONFIRM IN THE FIELD. REROUTE DUCTWORK AND PIPING AS REQUIRED TO ELIMINATE FIELD INTERFERENCES. WITH BUILDING STRUCTURES, ELECTRICAL, ETC. CONFIRM CHANGES WITH CONTRACT ADMINISTRATOR. COORDINATE WORK WITH ALL SUBTRADES. WHERE DIMENSIONS ARE INDICATED FOR PIPING, DUCTWORK, DUCT SIZES, EQUIPMENT SIZES, ETC. THESE ARE FOR BIDDING PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO ORDERING EQUIPMENT AND COMMENCING INSTALLATION WITHOUT EXTRA CHARGES TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE TO ENSURE ALL EQUIPMENT, DUCTWORK, AND PIPING FITS IN THE SPACE AVAILABLE AND TO MAINTAIN THE GENERAL DESIGN INTENT FOR THE SYSTEMS.
- CONFORM TO SMACNA STANDARDS FOR SUPPLY AND INSTALLATION OF DUCTWORK. SEAL ALL DUCT JOINTS.
- SEAL ALL FLOOR, ROOF AND WALL PENETRATIONS WATER AND AIR TIGHT.
- BALANCING DAMPERS OR EQUIPMENT LOCATED IN DRYWALL CEILING SHALL BE PROVIDED WITH ACCESS DOOR.
- ALL SUPPLY DUCTWORK SHALL BE EXTERNALLY INSULATED.

KEYNOTES:

- INSTALL NEW SUPPLY DUCTWORK AS SHOWN. (TYP.)
- CONNECT NEW DUCTWORK TO EXISTING SUPPLY DUCTWORK.
- INSTALL NEW COOLING COIL AS SHOWN. PROVIDE DRAIN PAN AND DRAIN. PROVIDE REFRIGERANT PIPING BETWEEN COOLING COIL AND CONDENSING UNIT (CU-1) LOCATED ON ROOF.
- EXISTING VESTIBULE HEATER TO REMAIN.
- INSTALL NEW VAV BOXES AS SHOWN. PROVIDE PIPING CONNECTIONS TO THOSE THAT HAVE THE OPTIONAL HEATING COIL. PROVIDE CONTROL WIRING. (TYP.)

LEGEND:

- EXISTING EQUIPMENT/DUCTWORK TO BE REMOVED
- EXISTING EQUIPMENT/DUCTWORK TO REMAIN
- CONTROL WIRING
- ACOUSTICALLY LINED DUCTWORK
- EXTERNALLY INSULATED DUCTWORK
- (F) FIRE DAMPER
- (B) BALANCE DAMPER
- (T) THERMOSTAT

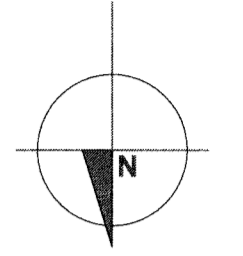
| TAG | DESIGN AIRFLOW RATES | | VAV CAPACITY | | MAKE | MODEL | ACCESSORIES |
|--------|----------------------|------------|--------------|------------|------------|-------|-------------------------------|
| | MIN. (CFM) | MAX. (CFM) | MIN. (CFM) | MAX. (CFM) | | | |
| VAV-1 | 208 | 520 | 0 | 700 | E.H. PRICE | LGB 8 | 36" ATTENUATOR AND 1 ROW COIL |
| VAV-2 | 128 | 320 | 0 | 400 | E.H. PRICE | LGB 6 | 36" ATTENUATOR |
| VAV-3 | 80 | 200 | 0 | 400 | E.H. PRICE | LGB 6 | 36" ATTENUATOR AND 1 ROW COIL |
| VAV-4 | 64 | 160 | 0 | 400 | E.H. PRICE | LGB 6 | 36" ATTENUATOR AND 1 ROW COIL |
| VAV-5 | 144 | 360 | 0 | 400 | E.H. PRICE | LGB 6 | 36" ATTENUATOR AND 1 ROW COIL |
| VAV-6 | 48 | 120 | 0 | 400 | E.H. PRICE | LGB 6 | 36" ATTENUATOR |
| VAV-7 | 48 | 120 | 0 | 400 | E.H. PRICE | LGB 6 | 36" ATTENUATOR |
| VAV-8 | 184 | 460 | 0 | 400 | E.H. PRICE | LGB 8 | 36" ATTENUATOR AND 2 ROW COIL |
| VAV-9 | 48 | 120 | 0 | 400 | E.H. PRICE | LGB 6 | 36" ATTENUATOR |
| VAV-10 | 160 | 400 | 0 | 700 | E.H. PRICE | LGB 8 | 36" ATTENUATOR AND 1 ROW COIL |
| VAV-11 | 80 | 200 | 0 | 400 | E.H. PRICE | LGB 6 | 36" ATTENUATOR AND 1 ROW COIL |

| GRILLE No. | PRICE DESIGNATION | COMMENTS |
|------------|-------------------------|----------------------------|
| G1 | 6"24"x24"/SCD/31/3C/B12 | 4-WAY SUPPLY GRILLE |
| G2 | 8"24"x24"/SCD/31/3C/B12 | 4-WAY SUPPLY GRILLE |
| G3 | 6"x6"/80/F/A/B12 | EGG CRATE EXHAUST - DUCTED |
| G4 | 8"x8"/80/F/A/B12 | EGG CRATE EXHAUST - DUCTED |
| G5 | 10"x10"/80/F/A/B12 | EGG CRATE EXHAUST - DUCTED |
| G6 | 24"x24"/80/TB/B12 | EGG CRATE RETURN |

| TAG | CAPACITY (W) | VOLTAGE | CONTROL | MAKE/MODEL |
|------|--------------|---------|---------------|-----------------|
| BH-1 | 500 | 120/1 | BUILT IN STAT | OUELLET/OFM302 |
| BH-2 | 1000 | 120/1 | BUILT IN STAT | OUELLET/OFM1002 |
| BH-3 | 750 | 120/1 | BUILT IN STAT | OUELLET/OFM0752 |

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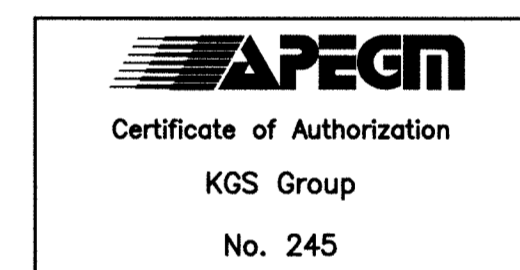
This drawing shall not be scaled. Follow given dimensions only.



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PROJECT TITLE

**MARGARET GRANT POOL
INTERIOR RENOVATIONS
BID OPPORTUNITY NO.
12-2013**

685 DALHOUSIE DRIVE, Winnipeg, MB

DRAWING TITLE

**MECHANICAL
MAIN FLOOR PLAN
NEW HVAC**

DESIGNED BY PSS DRAWN BY TJC

ISSUE DATE 13/02/06 REVISION No. 0

PROJECT No. 12-1894-001 DRAWING No. **M04**