

GENERAL NOTES:

- PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- REVIEW EQUIPMENT LOCATIONS WITH CONTRACT ADMINISTRATOR PRIOR TO INSTALLATION.
- DUCT ROUTING INDICATED ON DRAWINGS ARE APPROXIMATE ONLY. CONFIRM IN FIELD, REROUTE DUCTING TO ELIMINATE FIELD INTERFERENCES WITH BUILDING STRUCTURES ELECTRICAL ETC. CONFIRM CHANGES WITH CONTRACT ADMINISTRATOR.
- CONFORM TO SMACNA STANDARDS FOR SUPPLY AND INSTALLATION OF DUCTWORK.
- PROVIDE ALL WALL/ROOF PENETRATIONS AND CURBS.
- SEAL ALL WALL/ROOF PENETRATIONS AND DUCTWORK WATER/AIR TIGHT.
- PROVIDE ACCESS DOORS FOR ALL EQUIPMENT AND DAMPERS LOCATED ABOVE DRYWALL CEILINGS.
- REVISE SPRINKLER PIPING WHERE REQUIRED TO FACILITATE INSTALLATION OF NEW HVAC SYSTEM. SPRINKLER MODIFICATIONS TO BE DESIGNED BY A QUALIFIED SPRINKLER ENGINEER TO MEET NEPA 13.

KEY NOTES:

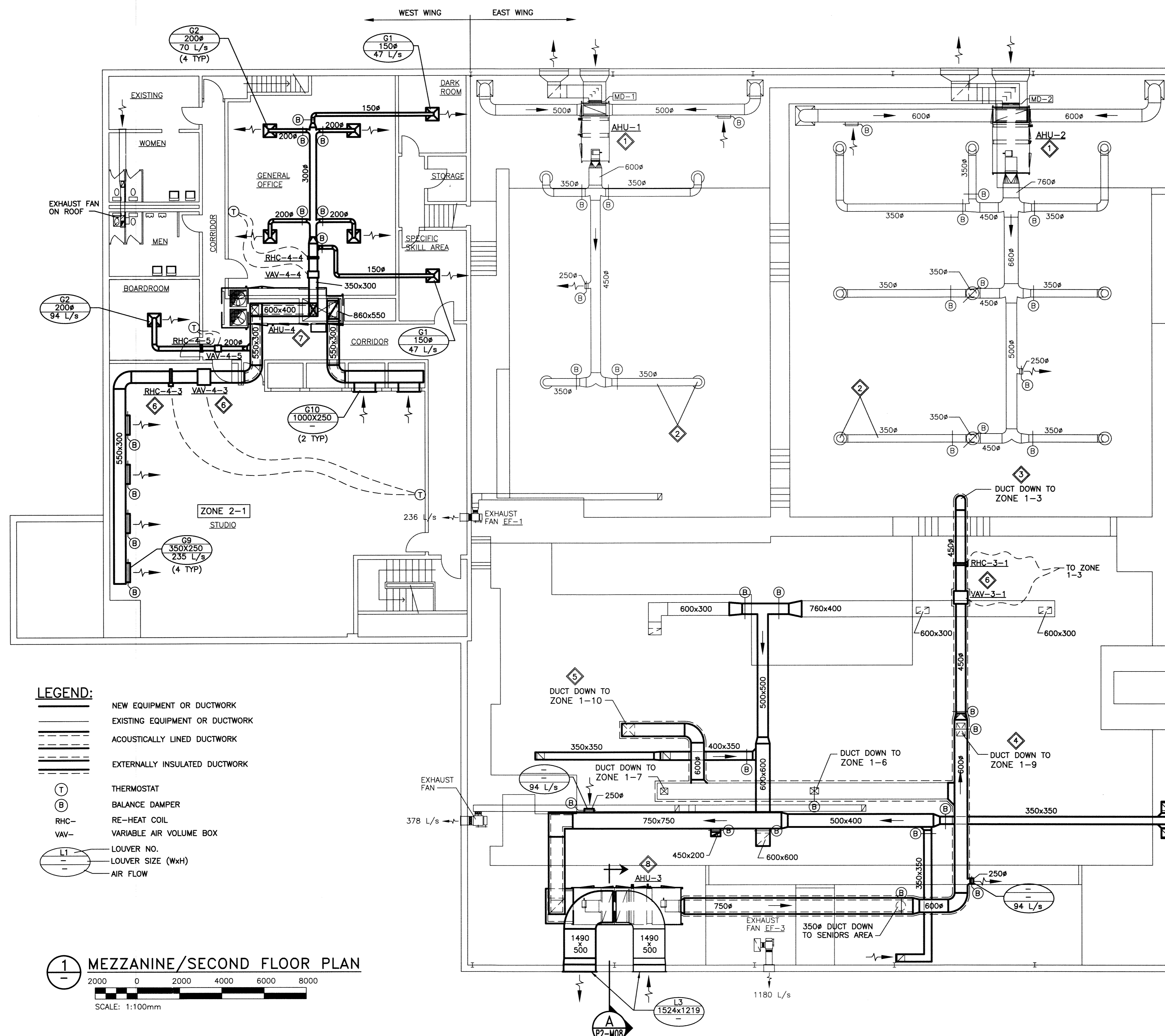
- EXISTING AIR HANDLING UNITS.
- EXISTING DUCTWORK IN MEZZANINE SPACE.
- RUN DOWN AND CONNECT TO EXISTING SUPPLY DUCTWORK SERVING ZONE 1-3 (MULTI-PURPOSE ROOM).
- RUN DOWN AND CONNECT TO EXISTING SUPPLY DUCT SERVING ZONE 1-9.
- RUN DOWN AND CONNECT TO EXISTING SUPPLY DUCT SERVING ZONE 1-10.
- INSTALL NEW VAV BOXES AND RE-HEAT COILS AS INDICATED (TYP).
- NEW AIR HANDLING UNIT AHU-4 LOCATED ON ROOF. PROVIDE ROOF CURBING AND PENETRATIONS. PROVIDE ACOUSTICALLY LINED SUPPLY AND RETURN DUCTWORK AS INDICATED.
- NEW AIR HANDLING UNIT AHU-3. CONNECT DUCTWORK AS SHOWN (TYP). PROVIDE ACOUSTICALLY LINED SUPPLY AND RETURN DUCTWORK AS INDICATED.

GRILLE SCHEDULE

| TAG | PRICE DESIGNATION | COMMENTS |
|-----|----------------------------|-----------------------|
| G1 | 150#/600x600/SCD/31/3C/B12 | 4-WAY SUPPLY DIFFUSER |
| G2 | 200#/600x600/SCD/31/3C/B12 | 4-WAY SUPPLY DIFFUSER |
| G3 | 250#/600x600/SCD/31/3C/B12 | 4-WAY SUPPLY DIFFUSER |
| G4 | 300#/600x600/SCD/31/3C/B12 | 4-WAY SUPPLY DIFFUSER |
| G5 | 150#/300x300/SCD/31/3C/B12 | 4-WAY SUPPLY DIFFUSER |
| G6 | 200#/300x300/SCD/31/3C/B12 | 4-WAY SUPPLY DIFFUSER |
| G7 | 250#/300x300/SCD/31/3C/B12 | 4-WAY SUPPLY DIFFUSER |
| G8 | 350#/RCDA/B12 | ROUND CONE DIFFUSER |
| G9 | 350x250/520D/F/L/A/B12 | LOUVERED SUPPLY |
| G10 | 1000x250/530/F/L/A/B12 | LOUVERED RETURN |
| G11 | 600x300/530/F/L/A/B12 | LOUVERED RETURN |
| G12 | 350x350/80/F/A/B12 | LOUVERED RETURN |
| G13 | 600x600/80/F/A/B12 | EGG CRATE RETURN |
| G14 | 200x200/520D/F/L/A/B12 | LOUVERED SUPPLY |
| G15 | 750x750/80/F/A/B12 | EGG CRATE RETURN |

LOUVER SCHEDULE

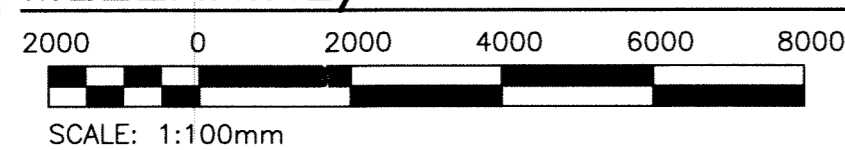
| TAG | SIZE | ACCEPTABLE PRODUCT |
|-----|-------------|--------------------|
| L1 | 1371 x 762 | PRICE/DE439 |
| L2 | 1778 x 914 | PRICE/DE439 |
| L3 | 1524 x 1219 | PRICE/DE439 |
| L4 | 400 x 500 | PRICE/DE439 |



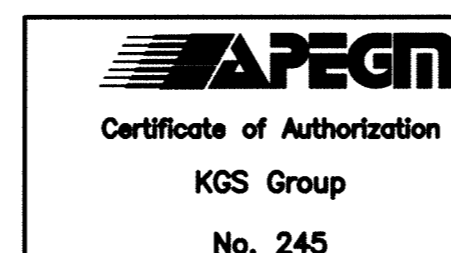
LEGEND:

- NEW EQUIPMENT OR DUCTWORK
- EXISTING EQUIPMENT OR DUCTWORK
- ACOUSTICALLY LINED DUCTWORK
- EXTERNALLY INSULATED DUCTWORK
- THERMOSTAT
- BALANCE DAMPER
- RE-HEAT COIL
- VARIABLE AIR VOLUME BOX
- LOUVER NO.
- LOUVER SIZE (WxH)
- AIR FLOW

MEZZANINE/SECOND FLOOR PLAN

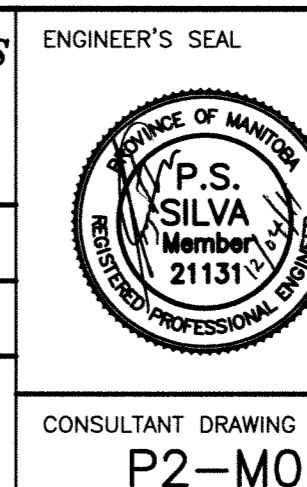


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| | |
|-------------------|--------------------|
| B.M. ELEV. | |
| DESIGNED BY | PSS |
| CHECKED BY | <i>[Signature]</i> |
| DRAWN BY | VJH |
| APPROVED BY | |
| HOR. SCALE: | AS SHOWN |
| VERTICAL: | |
| ISSUED FOR TENDER | 12/04/11 |
| NO. REVISIONS | DATE BY |

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THE CITY OF WINNIPEG
 PUBLIC WORKS DEPARTMENT

PROJECT TITLE: FORT ROUGE LEISURE CENTRE HVAC UPGRADE - PHASE 2

SHEET OF: 001 OF 001

COMPUTER FILE NAME: 11-0107-02-P2-M06

CITY DRAWING NUMBER

CONSULTANT DRAWING NO. P2-M06

SECOND/MEZZANINE FLOOR PLAN
 NEW HVAC