



MAIN FLOOR HVAC PLAN
SCALE: 1:100

GENERAL NOTES

1. SUBCONTRACTOR SHALL COORDINATE LOCATION OF THE DIFFUSERS/GRILLES AND REGISTERS WITH REFLECTED CEILING PLAN, THE ELECTRICAL LIGHTING PLAN, THE STRUCTURAL PLANS, AND THE CONTRACT ADMINISTRATOR TO AVOID CONFLICT ON SITE. SUPPLY AND INSTALL BALANCE DAMPERS TO SERVE EACH DIFFUSER/GRILLE OR REGISTER. WHERE THE DIFFUSER/GRILLE OR REGISTER IS INSTALLED IN AN "ACCESSIBLE" CEILING SPACE, INSTALL THE BALANCE DAMPER IN THE BRANCH DUCT SERVING THE DIFFUSER/GRILLE OR REGISTER AS CLOSE TO THE MAIN DUCT AS PRACTICAL. WHERE THE DIFFUSER/GRILLE OR REGISTER IS INSTALLED IN AN "INACCESSIBLE" CEILING SPACE, THE DIFFUSER/GRILLE OR REGISTER SHALL HAVE AN OPPOSED BLADE BALANCING DAMPER MOUNTED WITH IT, WHICH CAN BE ADJUSTED FROM THE FRONT OF THE DIFFUSER/GRILLE OR REGISTER.
2. NATURAL GAS LINES TO BE SIZED BY QUALIFIED GAS FITTER AS PER CSA B.149.1.

DRAWING NOTES:

1. CEILING PROP FANS TO BE SUPPLIED BY DIV. 23 AND INSTALLED & WIRED BY DIV. 26. MECHANICAL TO PROVIDE PROTECTION GUARD. COORDINATE WITH DIVISION 26. INSTALL ABOVE U/S OF JOISTS.
2. ELECTRIC HEATING UNITS TO BE SUPPLIED AND INSTALLED BY DIVISION 26. COORDINATE WITH DIVISION 26.
3. HRV UNIT TO BE SUSPENDED FROM STRUCTURE. PROVIDE TRAPPED CONDENSATE DRAIN AND TERMINATE TO NEAREST SUITABLE SERVICE.
4. HRV 300X200 EXH. AIR DUCT COMMON TO GOOSENECK.
5. HRV 300X200 OUTSIDE AIR DUCT TO COMMON GOOSENECK.
6. RETURN AIR GRILLE CENTERED ABOVE THE WINDOW.
7. THERMOSTAT C/W LOCKABLE PLASTIC COVER, TYPICAL.
8. 1200X1050 HEAVY DUTY RETURN AIR GRILLE. INSTALL AT 150 A.F.F. GRILLE CONNECTED TO SPLIT RETURN AIR PLENUM BEHIND C/W 90 MINUTE FIRE DAMPER.
9. 800X800 COMMON RELIEF AIR UP TO GOOSENECK ON ROOF.
10. 800X800 COMMON INTAKE FOR GOOSENECK ON ROOF.
11. CONDENSING UNITS CU-1A, CU-1B, CU-2A, CU-2B, CU-3 & CU-4 INSTALLED ON CONCRETE PAD ON GRADE.
12. NEW LOCATION OF BUILDING GAS SERVICE.
13. 50# COMBUSTION INTAKE & 50# EXHAUST PIPES. TERMINATE ABOVE ROOF AND ABOVE SNOW ACCUMULATION (MINIMUM 600mm). INSTALL INTAKE & EXHAUST PIPE TERMINATIONS AT 400mm APART MINIMUM. TYPICAL.
14. COMBUSTION AIR TO BE MODIFIED THROUGH ROOF TO GOOSENECK.
15. RETURN AIR GRILLE TYPICAL UNLESS OTHERWISE SHOWN.
16. 90 MINUTE FIRE DAMPER REQUIRED AT ALL PENETRATIONS OF RATED WALL. CONFIRM EXTENT OF RATING WITH ARCHITECTURAL DRAWINGS.

NO.	REVISION	DATE	BY
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Tower Engineering Group
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PROJECT TITLE
NORBERRY-GLENLEE COMMUNITY CENTRE EXPANSION
26 MOLGAT AVENUE
WINNIPEG, MB

SHEET TITLE
MECHANICAL FLOOR PLANS

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