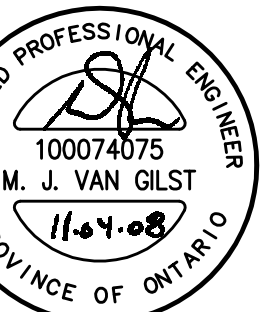


ALL DIMENSIONS TO BE CHECKED AND VERIFIED ON THE JOB.
ANY AND ALL DISCREPANCIES TO BE REPORTED TO THE ARCHITECT.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ARCHITECT.
DO NOT SCALE DRAWINGS.

No.	Issue	Date
00	ISSUED FOR PERMIT	10.01.28
01	ISSUED FOR TENDER	10.06.01
02	RE-ISSUED FOR TENDER	11.04.08

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ADDITION & ALTERATIONS -
EGAN FUNERAL HOME

203 Queen St. S., Bolton, ON

Upper Floor Mechanical
New Construction Layout

PROJECT NUMBER	CE-1157
SCALE	1/4" = 1'-0"
DATE	FEB 09, 2009
DRAWN	DJR
CHECKED	MJV
SET NO.	DRAWING NO.

M104

CONSTRUCTION NOTES:

1. ROUTE 6" DUCT FROM EXHAUST FAN UP THROUGH CEILING SPACE AND TERMINATE ON ROOF IN GOOSENECK C/W BACKDRAFT DAMPER. TERMINATE AT MIN. 18" ABOVE ROOF SURFACE.
2. PROVIDE RETURN AIR GRILLES AS INDICATED AT FLOOR AND CEILING LEVELS.
3. RISE DUCTWORK UP INTO JOIST SPACE AND ROUTE DUCT BETWEEN CEILING JOISTS.
4. CONTROL EF-204 THROUGH TIMECLOCK LOCATED IN GROUND FLOOR ELECTRICAL ROOM.
5. PROVIDE 4" RIGID STEEL DRYER VENT AS INDICATED. ROUTE VENT UP THROUGH WALL AND INTO BULKHEAD ABOVE. TERMINATE VENT ON EXTERIOR WALL IN LOUVERED WALLBOX C/W BACKDRAFT DAMPER. PROVIDE CONNECTION TO DRYER (DRYER PROVIDED BY OWNER).
6. NOT USED.
7. RELOCATE EXISTING T-STAT CONTROLLING CHAPEL SYSTEM FROM ORGAN ROOM ON SECOND FLOOR TO CHAPEL ON FIRST FLOOR. REFER TO FIRST FLOOR DRAWINGS FOR NEW T-STAT LOCATION.
8. 18x6 ELEVATOR ROOM EXHAUST DUCT UP TO EF-101 ON ROOF. PROVIDE FIRE DAMPER AT ROOF PENETRATION.
9. CONNECT TO 6x6 DUCT FROM WASHROOM BELOW AND TRANSITION TO 10x6. ROUTE 10x6 UP TO EF-102 ON ROOF. PROVIDE FIRE DAMPER AT ROOF PENETRATION.
10. IN VISITATION ROOMS 203 AND 204 INTERNALLY INSULATE RETURN AIR DUCTWORK FULL LENGTH. INSULATE SUPPLY AIR DUCTWORK RISER FULL LENGTH AND HORIZONTAL SUPPLY DUCTWORK TO MIN. 10'-0" IN ALL DIRECTIONS FROM THE RISER.

CONTROL NOTES:

EX. 15 TON UNIT:

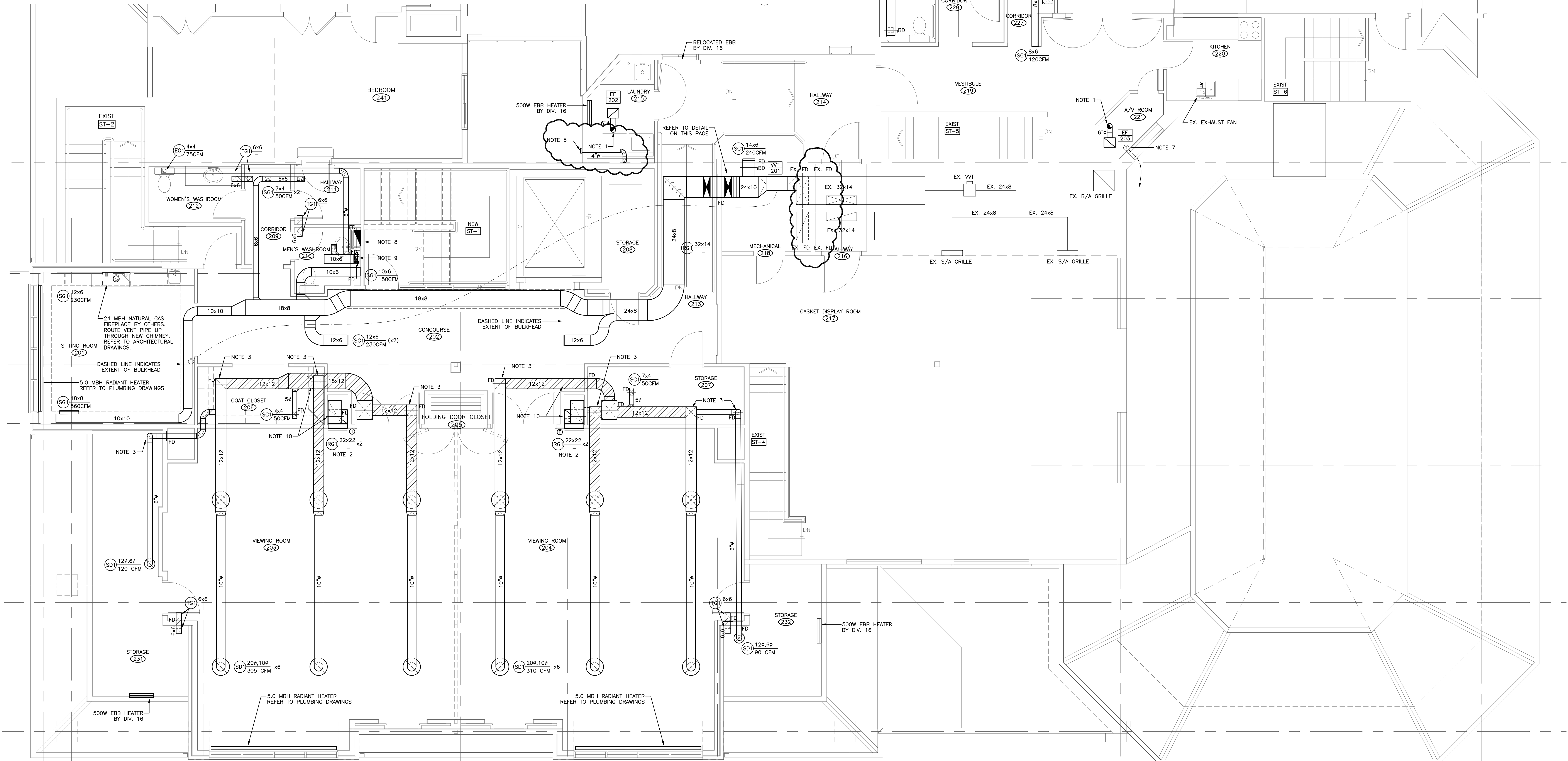
1. MODULATE ZONE DAMPER POSITIONS TO MAINTAIN TEMPERATURE SETPOINTS (ADJUSTABLE). RTU-201, 202, AND 203:
 - PROVIDE CO2 SENSOR AND LOCATE IN RETURN AIR DUCT WHERE INDICATED ON DRAWINGS. PROVIDE ECONOMIZER C/W FULLY MODULATING OUTDOOR AIR DAMPER.
- OCCUPIED MODE:
1. CYCLE STAGES ON/OFF HEATING/COOLING MAINTAIN SETPOINT TEMPERATURE...
 2. MODULATE OUTDOOR AIR DAMPER TO MAINTAIN 700 PPM CO2.

UNOCCUPIED MODE:

1. CYCLE STAGES ON/OFF HEATING/COOLING MAINTAIN
2. CLOSE OUTDOOR AIR DAMPER.

MECHANICAL ROOM DETAIL

SCALE: 1/2" = 1'-0"



SECOND FLOOR LAYOUT

SCALE: 1/4" = 1'-0"