



Revision/	Description/Description	Date/Date
0	ISSUED FOR TENDER	Sep. 12, 16

Client/client
Public Works and Government Services Canada
100 - 167 Lombard Avenue
Winnipeg, Manitoba

Project title/Titre du projet
Lower Fort Garry (LFG) National Historic Site, Manitoba
HERITAGE BUILDING RECAPITALIZATION

Approved by/Approve par
DH
Designed by/Concept par
PA
Drawn by/Dessine par
IS
PWGSC Project Manager/Administrateur de Projets TPSCG
CK
PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG
Client/client
PARKS CANADA
Drawing title/Titre du dessin

BIG HOUSE - ATTIC NEW VENTILATION AND DETAIL

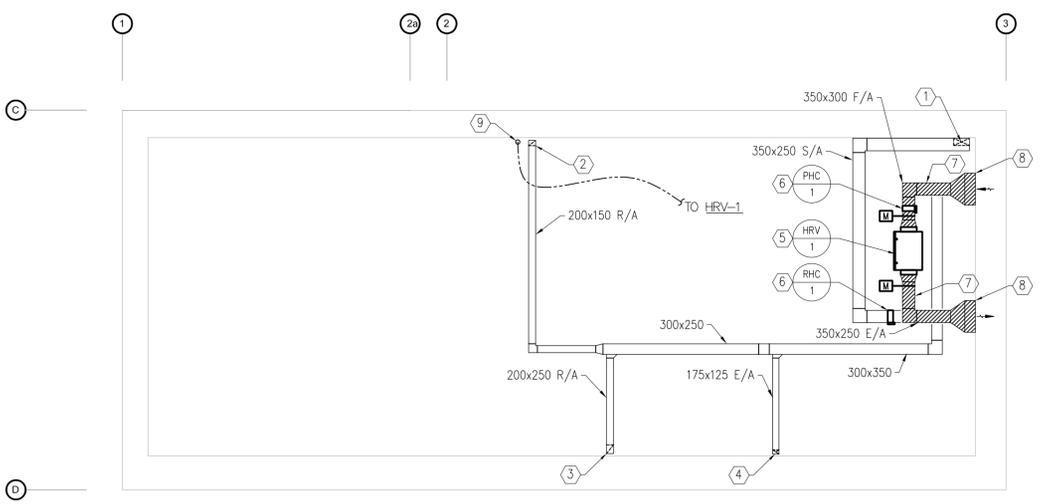
Project No./No. du projet R.075212.001	Sheet/Feuille M4.2 OF 14	Revision no./La Révision no. 0
--	---------------------------------------	--

GENERAL NOTES:

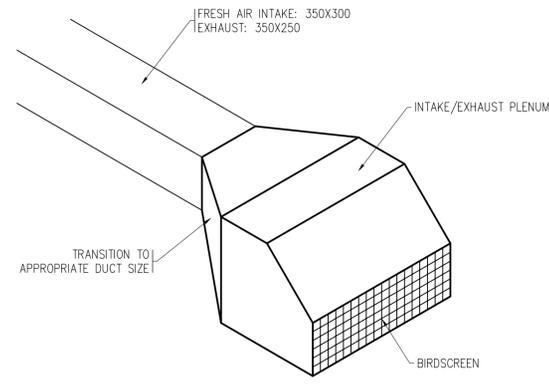
- DO NOT SCALE THIS DRAWING, CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO INSTALLATION AND REPORT ANY DISCREPANCY TO THE DEPARTMENTAL REPRESENTATIVE.
- THE DRAWING ONLY SHOWS A GENERAL SCHEMATIC OF NEW SYSTEMS. ROUTING OF DUCTWORK AND UNITS LOCATIONS SHALL SUIT SITE CONDITIONS AND MAY HAVE TO BE CHANGED TO AVOID CONFLICTS WITH STRUCTURE, DUCTS AND PIPES. WHEN CONFLICT CANNOT BE AVOIDED, THE DUCTWORK SHALL BE MODIFIED AS REQUIRED.
- CONTRACTOR SHALL INCLUDE FOR AND PROVIDE ALL COORDINATION BETWEEN TRADES AND CONSULTANT ON AND OFF SITE AS REQUIRED FOR INSTALLATION OF MECHANICAL AND ELECTRICAL SYSTEMS, WHERE MINOR REROUTING OF DUCTWORK OR SERVICES IS REQUIRED DUE TO ONSITE CONDITIONS, IT SHALL BE PERFORMED AT NO ADDITIONAL COST.
- CONFORM TO SPECIFICATIONS AND MANUFACTURER GUIDES FOR MATERIALS AND UNITS' INSTALLATION DETAILS.
- NEW OPENINGS IN STONE MUST BE DONE W/ HAND TOOLS ONLY. REFER TO SECTION 04 03 43 - HISTORIC STONE REMOVAL. ALTERNATIVE METHODS MUST BE APPROVED BY DEPARTMENTAL REPRESENTATIVE.

DRAWING KEYNOTES:

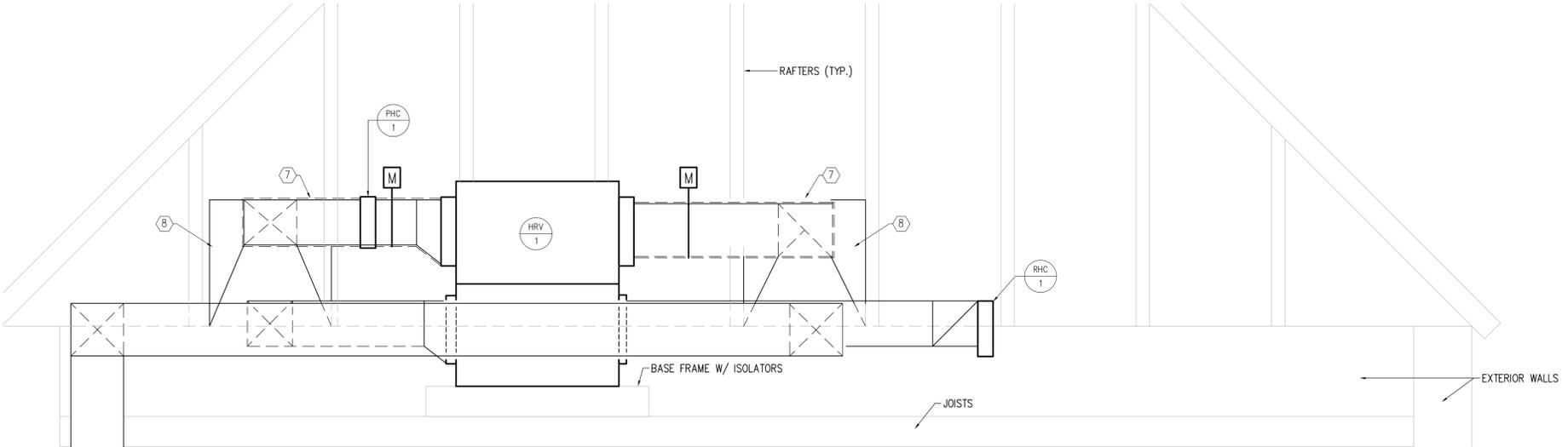
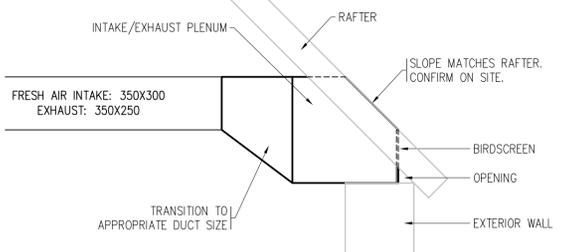
- 450x200 S/A DUCT DOWN TO MAIN FLOOR.
- 200x150 R/A DUCT DOWN TO MAIN FLOOR.
- 200x250 R/A DUCT DOWN TO MAIN FLOOR.
- 125x225 R/A DUCT DOWN TO MAIN FLOOR.
- PROVIDE NEW HRV-1 IN ATTIC SPACE. MOUNT ON STRUCTURAL SUPPORT C/W VIBRATION ISOLATORS. REINFORCE STRUCTURE AS REQUIRED TO SUPPORT EQUIPMENT. REFER TO DETAIL 2/M4.2.
- PROVIDE NEW FLANGE TYPE ELECTRIC COIL HEATER C/W DUCT THERMOSTAT.
- THERMALLY INSULATE FRESH AIR DUCT AND EXHAUST AIR TO EXISTING ATTIC OPENING APPROXIMATELY THIS LOCATION. PROVIDE TRANSITION DUCT AS NECESSARY. CONFIRM EXACT ATTIC OPENING ON SITE.
- INSTALL PLENUM BETWEEN RAFTERS. CONFIRM RAFTER SPACING ON SITE. PROVIDE BIRDSCREEN PRIOR TO PLENUM INSTALLATION. REFER TO PLENUM DETAIL ON THIS DRAWING.
- HRV-1 CONTROL WIRING UP FROM MAIN FLOOR.



1 BIG HOUSE - ATTIC NEW VENTILATION LAYOUT
M4.2 1:100



2 PLENUM DETAIL
M4.2 NTS



3 HRV INTAKE AND EXHAUST DETAIL
M4.2 NTS



4 LOCATION OF OPENINGS IN ATTIC
M4.2 NTS

