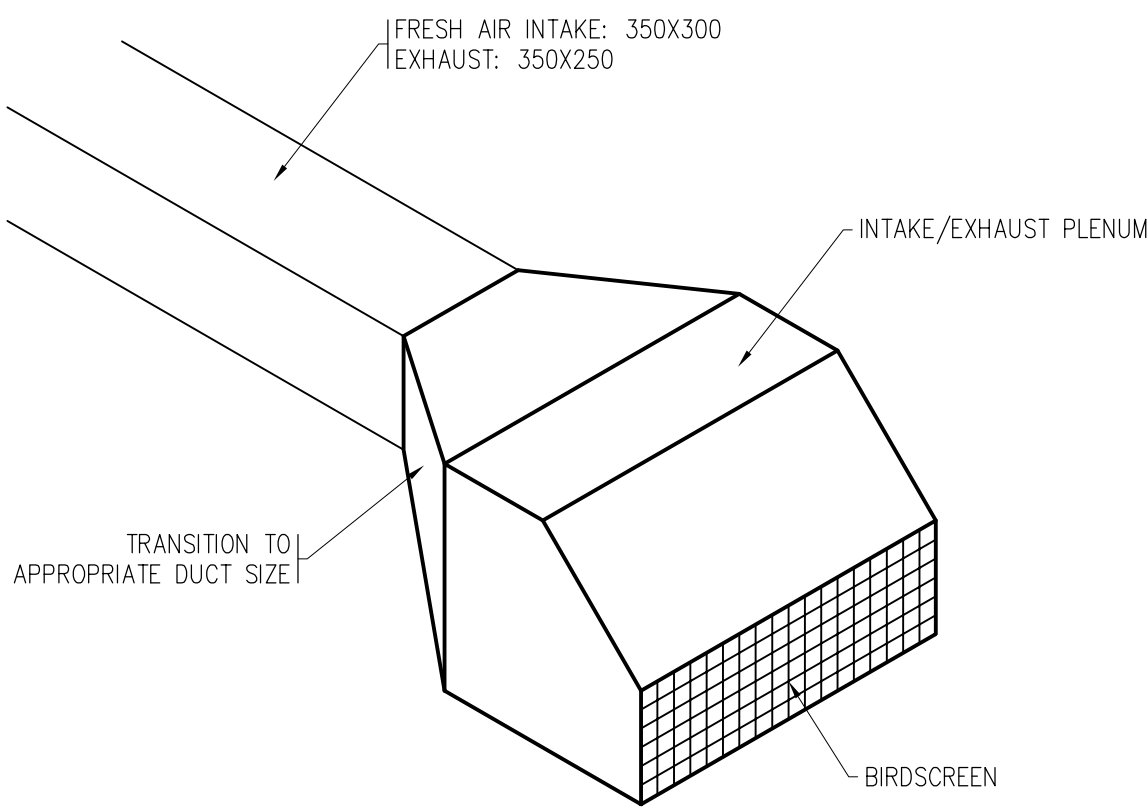
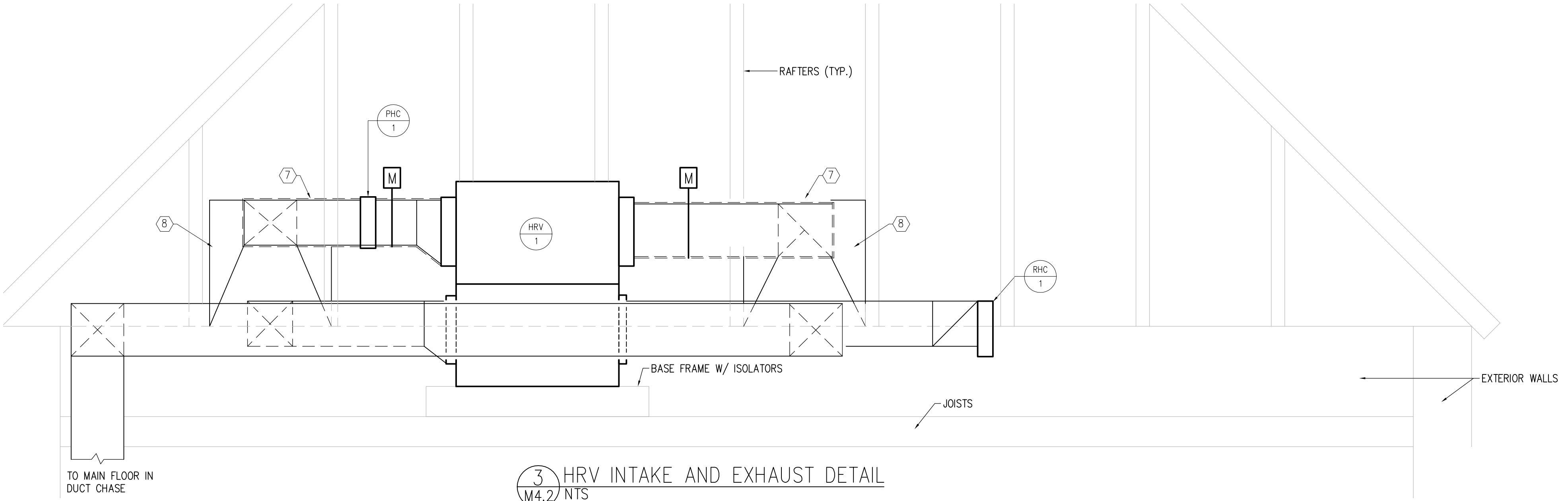


1 BIG HOUSE – ATTIC NEW VENTILATION LAYOUT  
M4.2 1:100



2 PLENUM DETAIL  
M4.2 NTS



3 HRV INTAKE AND EXHAUST DETAIL  
M4.2 NTS



4 LOCATION OF OPENINGS IN ATTIC  
M4.2 NTS

- 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.

Public Works and Government Services Canada

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HDK Consulting Incorporated  
No. 5539 Date: 04/30/2017

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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/Approuvé par DH		
Designed by/Concept par PA		
Drawn by/Dessiné par IS		
PWGSC Project Manager/Administrateur de Projets TFSGC CK		
PWGSC, Architectural and Engineering Resources Manager/ Ressources Architectural et de Directeur d'ingénierie, TFSGC		
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