



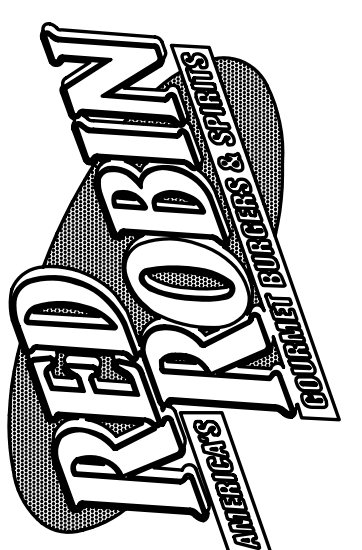
- A. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
- B. COORDINATE WITH THE WORK OF OTHER SECTIONS, EQUIPMENT FURNISHED BY OTHERS, REQUIREMENTS OF THE OWNER, AND WITH THE CONSTRAINTS OF THE EXISTING CONDITIONS OF THE PROJECT SITE. PROVIDE DUCT RISERS AND DROPS AS REQUIRED FOR FIELD INSTALLATION AND TRADE COORDINATION. NOTIFY OWNER OF ANY DISCREPANCIES BEFORE STARTING WORK.
- C. DRAWINGS FOR HVAC WORK ARE DIAGRAMMATIC, SHOWING THE GENERAL LOCATION, TYPE, LAYOUT, AND EQUIPMENT REQUIRED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENT. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS. REFER TO MANUFACTURER'S STANDARD INSTALLATION DRAWINGS FOR EQUIPMENT CONNECTIONS AND INSTALLATION REQUIREMENTS. PROVIDE DUCTWORK, CONNECTIONS, ACCESSORIES, OFFSETS, AND MATERIALS NECESSARY FOR A COMPLETE SYSTEM.
- D. ALL WORK SHALL COMPLY WITH STATE AND LOCAL CODE REQUIREMENTS AS APPROVED AND AMENDED BY THE GOVERNING CITY, INCLUDING APPLICABLE SECTIONS OF NFPA, OSHA, IBC, OR ANY INTERIM AMENDMENTS AT THE TIME OF THE PROPOSAL. PURCHASE ALL PERMITS ASSOCIATED WITH THE WORK. OBTAIN ALL INSPECTIONS REQUIRED BY CODE.
- E. MOUNT PROGRAMMABLE THERMOSTATS AT 48" AFF TO CENTERLINE UNLESS INDICATED OTHERWISE ON PLAN.
- F. ALL ELBOWS TO BE RADIUS UNLESS SPECIFICALLY SHOWN OTHERWISE. ALL SQUARE ELBOWS SHALL HAVE SINGLE - THICKNESS TURNING VANES.
- G. INSTALL DUCTWORK TIGHT TO BOTTOM OF STRUCTURE.
- H. MOUNT MAIN SUPPLY AIR DUCTS IN THE DINING AREA UP BETWEEN JOISTS. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL DRAWINGS.
- I. INSTALL BRANCH SUPPLY AIR DUCTS IN THE DINING AREAS THROUGH THE JOIST WEBBING. CONTRACTOR SHALL COORDINATE WITH STRUCTURAL DRAWINGS.
- J. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE, OFF-LOAD, STORE, INSURE, CARRY UP, DISPOSE OF DEBRIS AND SET IN PLACE ALL OWNER FURNISHED ITEMS AND EQUIPMENT.
- K. UNLESS NOTED OTHERWISE NOTE (B.O.) MEANS ITEM FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR. (N.C.) MEANS ITEM FURNISHED AND INSTALLED BY OWNER.
- L. CONTRACTOR AND SUBCONTRACTORS SHALL NOT PENETRATE THROUGH KITCHEN EXHAUST HOODS WITH CONDUIT, DUCTWORK, WIRING OR ANY OTHER INSTALLATION THAN FOR THE APPROVED INSTALLATION OF THE HOODS THEMSELVES.
- M. ALL DUCTWORK DIMENSIONS ARE INNER AIRSTREAM DIMENSIONS.

**2 GENERAL NOTES**  
SCALE: NONE

- 1 EXHAUST HOOD FURNISHED BY OWNER, INSTALLED BY CONTRACTOR. SUPPORT HOOD PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. TRANSITION FROM HOOD CONNECTIONS TO DUCT SIZES SHOWN.
- 2 BALANCE HOOD SUPPLY AIR TO 1120 CFM. CONTRACTOR SHALL FURNISH AND INSTALL V.D.
- 3 SUPPLY AIR DUCT UP TO MUA-1. REFER TO ROOF PLAN SHEET ME1.1 FOR CONTINUATION. COORDINATE WITH STRUCTURAL.
- 4 10"x11" BLACK STEEL EXHAUST DUCTWORK UP TO EF-3. SEAMS AND JOINTS SHALL BE WELDED OR SILICONE CAULKED, AT THE CONTRACTOR'S OPTION. COORDINATE WITH STRUCTURE ON LOCATION OF ROOF PENETRATION. HORIZONTAL DUCTWORK SHALL BE SLOPED TO DRAIN TOWARD HOOD.
- 5 12"x12" ALUMINUM EXHAUST DUCTWORK UP TO EF-4. SEAMS AND JOINTS SHALL BE WELDED OR SILICONE CAULKED, AT THE CONTRACTOR'S OPTION. COORDINATE WITH STRUCTURE ON LOCATION OF ROOF PENETRATION.
- 6 12"x10" EXHAUST DUCT UP TO EF-5. COORDINATE WITH STRUCTURE ON LOCATION OF ROOF PENETRATION.
- 7 TRANSITION FROM HOOD COLLAR AND EXTEND 13"x10" KITCHEN HOOD GREASE EXHAUST DUCTWORK TO A 28"x10" EXHAUST DUCT FITTING. TRANSITIONING UP TO EF-2. OFFSET DUCT TO AVOID STRUCTURE. GREASE DUCT SHALL BE WRAPPED WITH ONE (1) LAYER OF 3M FIRE BARRIER DUCT WRAP 15A, 1 1/2" THICK WITH 3" PERIMETER AND LONGITUDINAL OVERLAPS, OR EQUIVALENT U.L. LISTED GREASE DUCT WRAP FOR ZERO CLEARANCE TO COMBUSTIBLES. REFER TO DETAIL 5 & 6 ON SHEET 'H3.1' FOR ADDITIONAL INFORMATION.
- 8 TRANSITION FROM HOOD COLLAR AND EXTEND 14"x10" KITCHEN HOOD GREASE EXHAUST DUCTWORK UP TO EF-1. OFFSET DUCT TO AVOID STRUCTURE. GREASE DUCT SHALL BE WRAPPED WITH ONE (1) LAYER OF 3M FIRE BARRIER DUCT WRAP 15A, 1 1/2" THICK WITH 3" PERIMETER AND LONGITUDINAL OVERLAPS, OR EQUIVALENT U.L. LISTED GREASE DUCT WRAP FOR ZERO CLEARANCE TO COMBUSTIBLES. REFER TO DETAIL 5 & 6 ON SHEET 'H3.1' FOR ADDITIONAL INFORMATION.
- 9 SUPPLY AIR AND RETURN AIR DUCT UP TO ROOF TOP UNIT. REFER TO ROOF PLAN SHEET ME1.1 FOR CONTINUATION. COORDINATE WITH STRUCTURAL.
- 10 INSTALL PROGRAMMABLE THERMOSTAT. THERMOSTAT SHALL BE HONEYWELL T7320 WITH (2) STAGE COOLING AND (2) STAGE HEATING. ALSO PROVIDE REMOTE SENSOR, HONEYWELL T7047CF. (3) THERMOSTATS MOUNTED IN MANAGER'S OFFICE. STACK VERTICALLY ON WALL. ALSO MOUNT DUCT SMOKE DETECTOR RESET BUTTONS IN OFFICE. REMOTE SENSORS MOUNTED AS INDICATED ON PLANS.
- 11 MOUNT REMOTE SENSOR AT 54" A.F.F. TO CENTERLINE.
- 12 UNDERCUT DOOR 1" FOR TRANSFER AIR.
- 13 REMOTE TEMPERATURE SENSOR. 8"-0" ABOVE FLOOR.
- 14 BALANCE HOOD SUPPLY AIR TO 720 CFM. CONTRACTOR SHALL FURNISH AND INSTALL V.D.
- 15 BALANCE HOOD SUPPLY AIR TO 843 CFM. CONTRACTOR SHALL FURNISH AND INSTALL V.D.
- 16 BALANCE HOOD SUPPLY AIR TO 842 CFM. CONTRACTOR SHALL FURNISH AND INSTALL V.D.
- 17 INFRARED HEATER IN THIS LOCATION. MOUNT UNIT AT 9'-0" AFF AS SPECIFIED BY MANUFACTURER.
- 18 ALUMINUM EXHAUST DUCT SHALL SLOPE TOWARDS HOOD.

**1 H.V.A.C. FLOOR PLAN**  
SCALE: 1/4"=1'-0"

**3 MECHANICAL PLAN NOTES**  
SCALE: NONE



**RED ROBIN RESTAURANT GROUP**  
6802A HAMILTON BLVD  
ALLENTOWN, PENNSYLVANIA 18106  
(610) 481-0438  
FAX (610) 481-0437

Owner

Construction Manager

Structural Consultant

MEP Consultant

Architect

McHUGH ENGINEERING ASSOCIATES, Inc.  
560 PINETOWN ROAD  
FT. WASHINGTON, PA 19004  
TEL (215) 641-1158  
FAX (215) 641-0194

JOSEPH CATELLI ARCHITECT  
1840 Keith Road • Allentown, PA 18001

**RED ROBIN GOURMET BURGERS**  
65 Rte 611, Batonsville, PA 18321  
Stroud Twp., Monroe County, PA

**H.V.A.C. FLOOR PLAN**

Drawn By: LS.SO  
Scale: AS NOTED  
Issued: FOR CONSTRUCTION  
Sheet No.: H1.1

Checked By: MW.RJ  
Date: 8/11/06