



- NOTE:**
- SEE SHEET M-001 FOR LEGEND AND ABBREVIATIONS.
- KEYED NOTES:**
- ALL SUPPLY DUCTWORK, DIFFUSERS AND ASSOCIATED DAMPERS SERVING MRI ROOM 1 SHALL BE ALUMINUM SINGLE WALL SEAL CLASS C COMPLETE FROM DISCHARGE OF VAV BOX TO CEILING DIFFUSERS.
  - ALL RETURN/EXHAUST DUCTWORK AND ASSOCIATED REGISTERS AND/OR GRILLES SERVING MRI ROOM 1 SHALL BE ALUMINUM SINGLE WALL SEAL CLASS C.
  - CONNECT 8" CRYOGENIC VENT TO 8" VENT ON MAGNET USING VENT GLAS CONNECTOR PROVIDED BY G.E. TRANSITION TO 10" ABOVE SHIELDING AND CONNECT TO EXISTING 10" CRYOGENIC EXHAUST VENT. ALL NEW CRYOGENIC VENT DUCTWORK SHALL BE OF 12 GAUGE 304 STAINLESS STEEL CONSTRUCTION.
  - EXTENT OF RF SHIELDING. PROVIDE HVAC WAVE GUIDE AIR VENT AT EVERY DUCT PENETRATION OF THE RF SHIELDING. SEE ARCHITECTURAL.
  - 44x20 RA UP TO (E) RF-E-1 IN MECH ROOM ABOVE, PROVIDE FIRE DAMPER AT FLOOR PENETRATION. 42x26 SA UP TO (E) AHU-M-1 IN MECH ROOM ABOVE, PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE DRAWING M-401 FOR CONTINUATION.
  - REBALANCE AIR TO SUPPLY DIFFUSER AND/OR RETURN GRILLE TO MATCH PRE-CONSTRUCTION READINGS.
  - RESET VAV BOX AIR FLOW AS REQUIRED FOR ADDITIONAL 50 CFM AIR FLOW.
  - RF SHIELD WAVEGUIDE AT DUCT PENETRATION THRU WALL.
  - 18x12 EA UP TO NEW EXHAUST FAN EX-M-3 IN MECHANICAL ROOM ABOVE, PROVIDE FIRE DAMPER AT FLOOR PENETRATION. SEE DRAWING M-401 FOR CONTINUATION.
  - EXISTING EXHAUST RISER TO REMAIN.
  - MANUAL OVER-RIDE SWITCH FOR MRI EXAM ROOM EXHAUST FAN (EX-M-3). COORDINATE LOCATION WITH ARCHITECT.
  - CONNECT NEW 14" RA DUCT TO SIDE OF EXISTING EMERGENCY EXHAUST DUCT. BALANCE RETURN FOR 840 CFM.

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**SMRI**

PROJECT NORTH

STATE OF MAINE  
KATHERINE W. EVERETT  
EXHAUST FAN  
LICENSED PROFESSIONAL ENGINEER  
92213

**MAINE MEDICAL CENTER  
MRI #1 AND READING ROOM RENOVATION**  
PORTLAND, MAINE

**ISSUED FOR CONSTRUCTION  
9-20-13**

CURRENT ISSUE STATUS:

REV	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	9-20-13

GRAPHIC SCALE:  
0" 1"

SCALE: 1/4" = 1'-0"  
PROJECT MANAGER: DJM  
JC/DRAWN BY: MDR/BGC  
A/E OF RECORD: KME  
CAD FILE: MH100-12118  
PROJECT NO: 12118  
DATE: 9-20-13

SHEET TITLE:  
**HVAC DUCTWORK  
PLAN**

SHEET No.  
**MH100**  
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**A1 FLOOR PLAN**

1/4" = 1'-0"