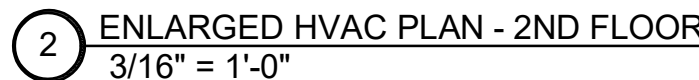
PARTS  
107

ALL DUCTWORK EXPOSED ABOVE OPEN "SLATTED" CEILING ABOVE 115 SERVICE WRITERS, 119 WAITING, AND 116 CORRIDOR, SHALL BE COMPLETELY WRAPPED ON OUTSIDE WITH 2.2" MIN. R-6 FIBERGLASS INSULATION WITH BLACK PSK VAPOR BARRIER (JOHNS MANVILLE MICROLITE BLACK PSK OR APPROVED EQUAL). INSULATION SHALL BE TAPED AT ALL JOINTS AND INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS.



NOTE:

ROOFTOP EQUIPMENT INSTALLATION SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE LATEST WIND LOADING CRITERIA OF ASCE 7-16. ANCHOR ROOF CURBS TO STRUCTURE BELOW. SECURE HVAC UNITS, EXHAUST HOODS, FANS AND COWLINGS WITH WIRE ROPE TO THEIR RESPECTIVE ROOF CURB AND ROOF DECK. PROVIDE STAINLESS STEEL FASTENERS NOT EXCEEDING 6" ON CENTER BETWEEN THE EQUIPMENT, TRANSITION PIECES AND THE ROOF CURB.



NOTE

PROPERLY FIRE CAULK ALL PENETRATIONS THROUGH RATED WALLS. COORDINATE FIRE CAULKING WITH ASSEMBLY REQUIREMENTS. COORDINATE WITH ARCHITECTS PLANS, NOTES, SPECIFICATIONS, ETC.

## HVAC KEYNOTES:

- 1 REFER TO DETAIL #1 THIS SHEET FOR CONTINUATION.
  - 2 REFER TO DETAIL #2 THIS SHEET FOR CONTINUATION.
  - 3 REFER TO DETAIL #1 SHEET M-103 FOR CONTINUATION.
  - 4 REFER TO DETAIL #2 SHEET M-103 FOR CONTINUATION.
  - 5 INSTALL HORIZONTAL AIR CONDITIONING UNIT IN MECHANICAL ROOM. PROVIDE MIN. 4" GALVANIZED SUPPORTS AND RUBBER ISOLATION PADS BELOW AIR CONDITIONING UNIT IN DRAIN PAN WITH FLOAT SWITCH PER DETAIL #1 SHEET M-202. EXTEND INDIVIDUAL INSULATED CONDENSATE DRAIN LINE WITH INDIRECT CONNECTION TO FLOOR DRAIN PROVIDED BY PLUMBING CONTRACTOR. EXTEND INDIVIDUAL DRAIN PAN DRAIN LINE WITH BALL VALVE TO FLOOR DRAIN. COORDINATE LOCATIONS WITH PLUMBING CONTRACTOR IN FIELD PRIOR TO ROUGH-IN. DO NOT MANIFOLD MULTIPLE A/C UNITS CONDENSATE OR DRAIN PAN DRAIN LINES. COORDINATE MANUFACTURE RECOMMEND MAINTENANCE CLEARANCE IN THE FIELD PRIOR TO ROUGH-IN.
  - 6 INSTALL A/C UNIT ON GALVANIZED STEEL ANGLE IRON STAIN IN DRAIN PAN WITH FLOAT SWITCH. TERMINATE INDIVIDUAL INSULATED CONDENSATE DRAIN LINE IN FLOOR DRAIN SHOWN ON PLUMBING PLANS. PROVIDE INDIVIDUAL DRAIN PAN DRAIN LINE WITH CUTOFF VALVE AND TERMINATE IN FLOOR DRAIN. DO NOT MANIFOLD MULTIPLE A/C UNITS CONDENSATE OR DRAIN PAN DRAIN LINES.
  - 7 PROVIDE MOTORIZED DAMPER (120-1.60 ELEC. SERVICE) AND MANUAL BALANCING DAMPER IN OUTSIDE AIR DUCT CONNECTED TO RETURN AIR DUCT. MOTORIZED DAMPER SHALL BE INTERLOCKED TO SHUT WHEN NEITHER CONDENSING UNIT COMPRESSOR OR HEATING ELEMENT ARE ACTIVATED. PROVIDE MANUAL BALANCING DAMPER IN R/A DUCT. BALANCE R/A & OUTSIDE AIR AS SCHEDULED.
  - 8 INSTALL CONDENSING UNIT ON ROOF PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH VIBRATION ISOLATION AND EQUIPMENT SUPPORTS PER ARCHITECT'S DRAWINGS. SECURE CONDENSING UNIT TO SUPPORTS. EXTEND INSULATED REFRIGERANT LINES WITH LONG RADIUS ELBOWS TO PITCH POCKET WITH SUPPORTS (MIRO BLOCK SUPPORTS OR APPROVED EQUIV.) MIN. EVERY 6'. DROP DOWN TO ABOVE CEILING. AND CONTINUE WITH SUPPORTS TO CORRESPONDING INDOOR UNIT. SEAL AROUND REFRIGERANT LINES TO MAINTAIN BUILDING ENVELOPE AND PREVENT MOISTURE INFILTRATION THROUGH OPENINGS. VERIFY EXACT PENETRATION LOCATION IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN. PROVIDE UV AND WEATHER RESISTANT MASTIC ON EXPOSED EXTERIOR INSULATION. COORDINATE INSTALLATION OF ROOF EQUIPMENT WITH ROOFING CONTRACTOR TO MAINTAIN ROOFING WARRANTY.
  - 9 INSTALL WALL MOUNTED DUCTLESS SPLIT SYSTEM SECURED TO WALL. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT IN THE FIELD PRIOR TO ROUGH-IN. INSTALL PER MANUFACTURER'S INSTRUCTIONS, PROVIDING ALL ACCESSORIES AND ITEMS REQUIRED. EXTEND INSULATED, GRAVITY FED CONDENSATE DRAIN LINE TO HUB DRAIN BELOW SHOWN ON PLUMBING PLANS AND TERMINATE WITH AIR GAP. COORDINATE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
  - 10 INSTALL CEILING CASSETTE UNIT IN CEILING HUNG FROM STRUCTURE ABOVE. INSTALL PER MANUFACTURER'S INSTRUCTIONS, PROVIDING ALL ACCESSORIES AND ITEMS REQUIRED. EXTEND INSULATED CONDENSATE DRAIN LINE FULL SIZE FROM CONDENSATE PUMP TO HUB DRAIN ABOVE CEILING SHOWN ON PLUMBING PLANS AND TERMINATE WITH AIR GAP. COORDINATE WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
  - 11 PROVIDE MANUAL BALANCING DAMPER AND BALANCE TO CFM SHOWN. DUCT TAPS SHALL BE A MINIMUM OF 24" FROM END OF SUPPLY AIR DUCT. (TYPICAL)
  - 12 COORDINATE EXACT THERMOSTAT LOCATION AND HEIGHT IN FIELD WITH ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN.
  - 13 PROVIDE GRAVITY INTAKE VENT ON ROOF WITH INSULATED ROOF CURB. COORDINATE CURB DIMENSIONS, MATERIAL, AND INSTALLATION WITH ARCHITECT AND ROOFING CONTRACTOR PRIOR TO ROUGH-IN. INSTALLATION SHALL MAINTAIN ROOF WARRANTY. COORDINATE EXACT ROOF INSTALLATION AND DUCTWORK LOCATION WITH STRUCTURE, PIPING, ETC. PRIOR TO ROUGH-IN.
  - 14 EXTEND EXHAUST DUCTS TO EXTERIOR WALL AND CONNECT TO WALL LOUVER PLENUM BOX FULL SIZE. COORDINATE EXACT LOUVER LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. GENERAL CONTRACTOR SHALL COORDINATE FRAMED OPENING THROUGH WALL WITH STRUCTURAL SHOP DRAWINGS.
  - 15 PROVIDE SPIRAL DUCTWORK WITH PERFORATED LINER, PAINT GRIP FINISH, AND CONCENTRIC FITTINGS AT APPROX. 21" A.F.F. TO B.O.D. SUPPLY GRILLE AND LOUVERS SHALL BE AS DETAIL ON SHEET M-202. SPIRAL DUCT AND SUPPORTS SHALL BE PAINTED BY PAINTING CONTRACTOR. PAINT COLOR AS DIRECTED BY ARCHITECT. PROVIDE STRAPS WITH THREADED RODS EVERY 5' CAPABLE OF SUPPORTING WEIGHT OF DOUBLE WALLED ROUND DUCTWORK. DOUBLE WALLED DUCT TO BE COORDINATED WITH LIGHTING STRUCTURE, ETC. PRIOR TO CONSTRUCTION OF DUCTWORK. SIZES SHOWN ARE INSIDE. FREE AREA DIAMETER.
  - 16 PROVIDE 1" THICK, 3# DENSITY DUCT INSULATION (MANVILLE UNACOUSTIC OR EQUAL) OVER ENTIRE WALL AREA OF MECHANICAL ROOM.
  - 17 PROVIDE FINISHING FLANGE AROUND DUCT AT EXPOSED WALL PENETRATION. PROVIDE PAINT GRIP FINISH AND COORDINATE PAINT COLOR WITH ARCHITECT PRIOR TO ROUGH-IN. FOR PAINTING BY PAINTING CONTRACTOR.
  - 18 BOTTOM OF SIDEWALL GRILLE SHALL BE AT APPROXIMATELY 10'-8" ABOVE FINISHED FLOOR. COORDINATE EXACT HEIGHT OF BOTTOM OF GRILLE AND LOCATION IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN.
  - 19 BOTTOM OF SIDEWALL GRILLE SHALL BE AT APPROXIMATELY 14'-6" ABOVE FINISHED FLOOR. COORDINATE EXACT HEIGHT OF BOTTOM OF GRILLE AND LOCATION IN FIELD WITH ARCHITECT PRIOR TO ROUGH-IN.
  - 20 COORDINATE MECHANICAL EQUIPMENT LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN. DO NOT INSTALL EQUIPMENT INTERFERING WITH WATER HEATER OR OVER FLOOR DRAINS LOCATED IN THIS VICINITY.

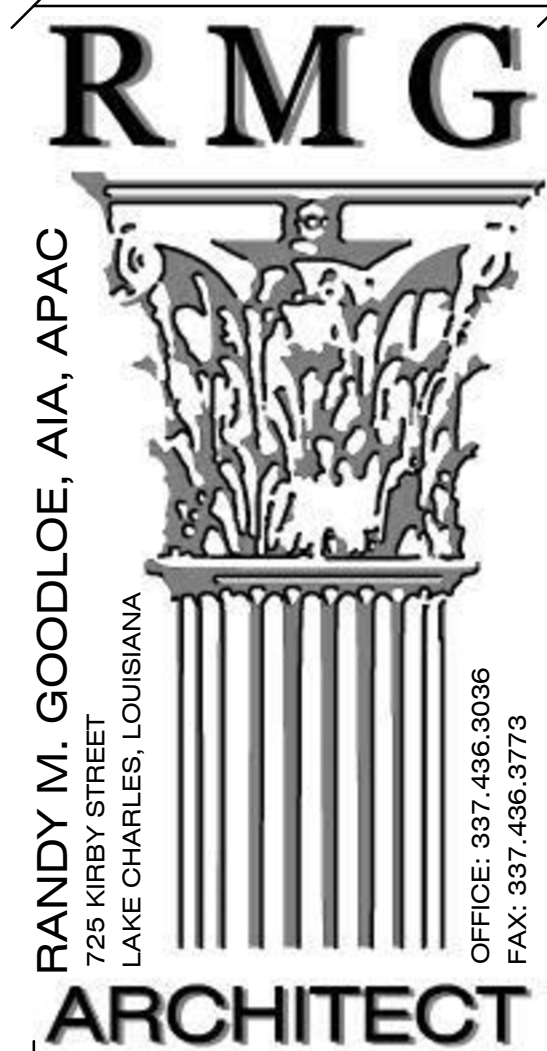
## DUCTWORK LEGEND

	RECTANGULAR LOW PRESSURE DUCTWORK
	2" DOUBLE WALL INSULATED SPIRAL DUCT WITH PERFORATED LINER AND PAINT GRIP FINISH. (I.D. SHOWN)



ASSOCIATED DESIGN GROUP, INC.  
3909 W Congress Street, Suite 201  
Lafayette, Louisiana 70506  
Phone: (337) 234-5710  
Email: [adginc@adginc.org](mailto:adginc@adginc.org)

Project No. 25326



NEW CONSTRUCTION  
**FORD PRO**  
FOR  
**MIKE WILLIS**  
2010 PATTON ST.

© COPYRIGHT 2019,  
RANDY M. GOODLOE, A.I.A. APAC  
ALL INFORMATION, EITHER DRAWN, WRITTEN,  
OR IMPLIED APPEARING IN THIS DOCUMENT  
SHALL NOT BE DUPLICATED, DISCLOSED, OR  
OTHERWISE USED WITHOUT THE WRITTEN  
PERMISSION OF THE AUTHOR, RANDY M.  
GOODLOE, A.I.A. APAC. THIS DOCUMENT IS AN  
INSTRUMENT OF SERVICE AND NOT THE  
PROPERTY OF THE AUTHOR. FURTHERMORE,  
THE USE OF THIS DOCUMENT FOR ANY  
PURPOSE SHALL BE REVOKED, IF THE INTENT  
OF THE DESIGN OR THE CONSTRUCTION  
TECHNIQUES OR DETAILS SHOWN HEREIN  
ARE NOT ADHERED TO OR THE  
CONTRACTUAL AGREEMENT GOVERNING  
THEIR USE ARE NOT STRICTLY ADHERED TO.

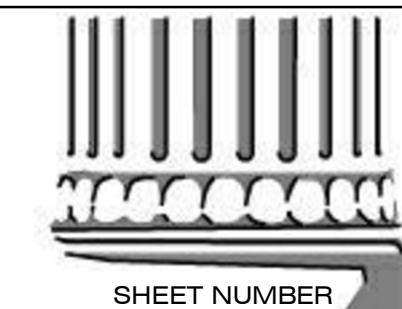
PROJECT NO.  
05010

25012  
PROJECT MANAGEPROJECT MANAGE  
.IM

DATE ISSUED

2026.05.22

REVISÉ



# M-102

ENLARGED  
HVAC PLANS