

**ARCHITECTURE**  
SCOTT MARTSOLF - ARCHITECT

815 Daggett Avenue  
Fort Worth, Texas 76104  
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**ST. JUDE  
CATHOLIC  
CHURCH**  
  
**PARISH HALL  
REMODEL &  
CONNECTOR**

500 E DALLAS ST.  
MANSFIELD, TX 76063

**PERMIT SET**

Drawing Title:

HVAC DETAILS

Project No.  
2307

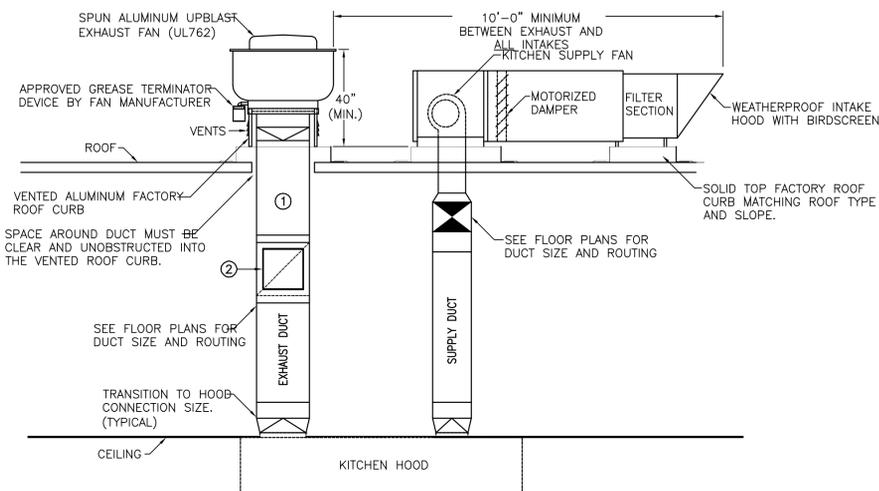
Date:  
1/12/2024

Sheet No.

**M4.1**



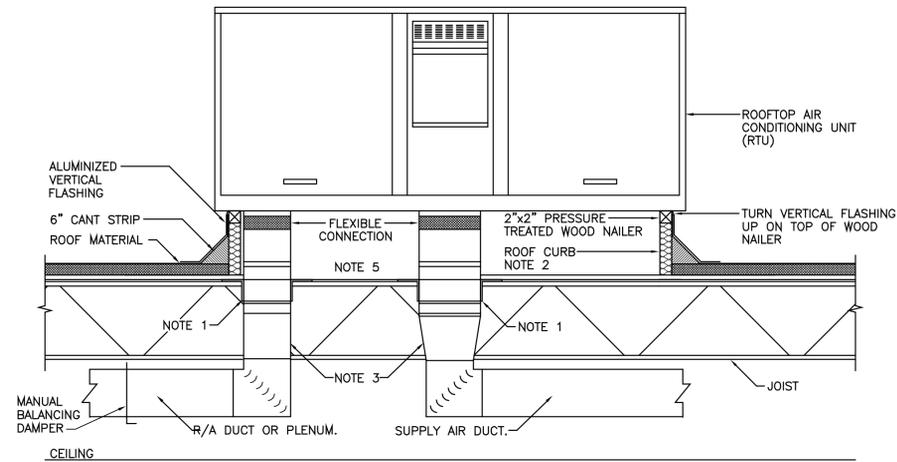
MEP Consultant  
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1820 Hunting Green Drive  
Fort Worth, TX 76134  
817-798-6642  
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F-12230



NOTES BY SYMBOL: " THIS DETAIL ONLY:

1. WELDED BLACK STEEL RECTANGULAR OR SQUARE DUCT. ALL SECTIONS OF THE DUCT SYSTEM SHALL BE CONSTRUCTED AND INSTALLED WITHOUT FORMING DIPS AND TRAPS AND SHALL SLOPE NOT LESS THAN 1/4 INCH PER FOOT TOWARD THE HOOD. WRAP WITH FIRE PROOFING INSULATION (3M OR EQUAL), THICKNESS/LAYER AS REQUIRED TO MEET 2-HOUR FIRE PROTECTION RATING.
2. ACCESS FOR CLEAN-OUT AND INSPECTION SHALL BE PROVIDED AT EACH CHANGE IN DIRECTION OF THE SYSTEM AND AS OTHERWISE REQUIRED. NOTE: THE PLAN MAY REQUIRE MORE THAN IS SHOWN HERE (VERTICAL SHOWN FOR REFERENCE ONLY).

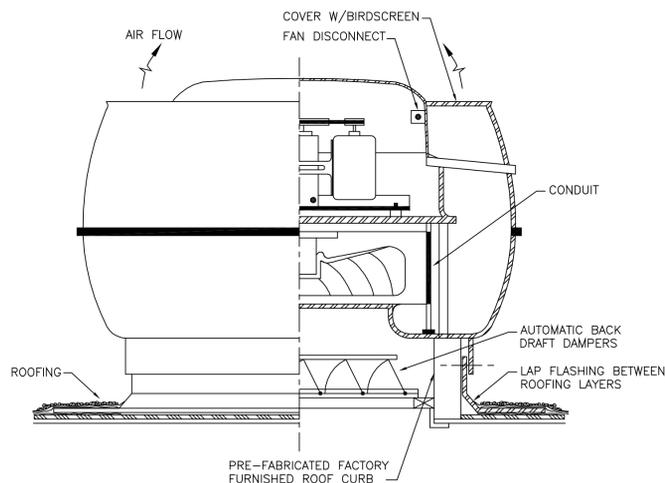
**2 TYPICAL KITCHEN HOOD DUCT SYSTEM**  
SCALE: NO SCALE



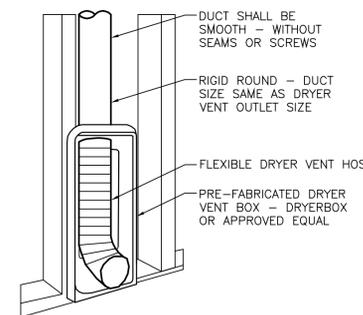
NOTES

1. REFER TO STRUCTURAL DRAWINGS FOR SUPPORT REQUIREMENTS.
2. ALL RTU'S SHALL BE "PLUMB" AND SET LEVEL ON ROOF IN BOTH DIRECTIONS. THE VERTICAL DIMENSION OF THE CURB WALLS SHALL BE TAPERED AS REQUIRED TO COMPENSATE FOR THE ROOF SLOPE AND ALLOW THE RTU TO SET LEVEL. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ROOF SLOPE INFORMATION. CURB TO BE FACTORY INSULATED WITH MIN R-8 RIGID INSULATION, MIN 14" HIGH.
3. PROVIDE TRANSITION AND/OR OFFSET AS INDICATED OR REQUIRED.
4. THIS DETAIL IS TYPICAL FOR ALL RTU INSTALLATIONS.
5. REFER TO DETAIL THIS SHEET FOR SOUND ATTENUATION INSTALLATION.

**1 TYPICAL ROOFTOP UNIT MOUNTING**  
SCALE: NO SCALE



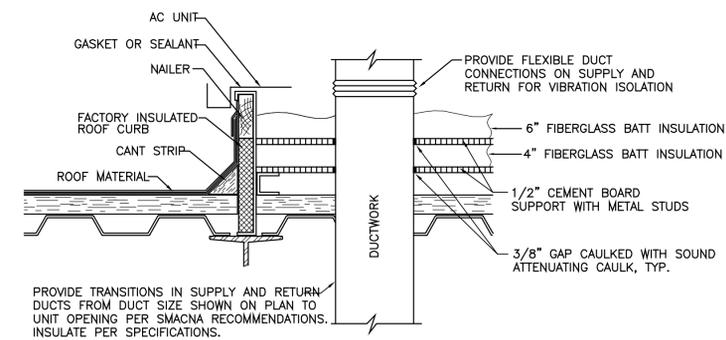
**5 TYPICAL UP BLAST ROOF EXHAUST FAN**  
SCALE: NO SCALE



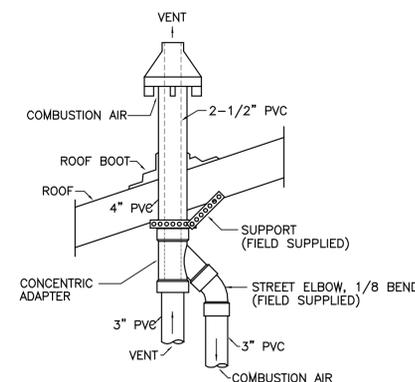
NOTES:

1. MOUNT DUCT CONNECTION HEIGHT AT DRYER OUTLET HEIGHT.

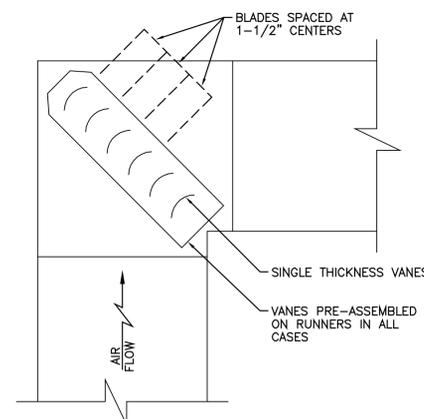
**4 TYPICAL DRYER VENT INSTALLATION**  
SCALE: NO SCALE



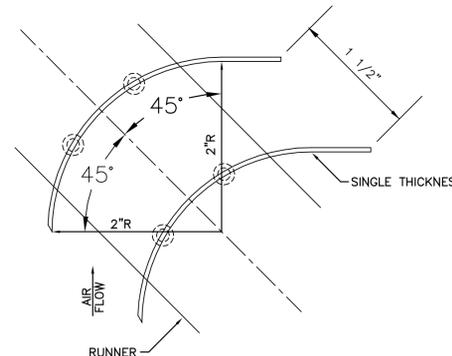
**3 ROOFTOP UNIT  
SOUND ATTENUATION AND CURB INSTALLATION**  
SCALE: NO SCALE



**8 TYPICAL CONCENTRIC VENT FOR  
SEPARATED COMBUSTION GAS APPLIANCES**  
SCALE: NO SCALE



**7 TYPICAL RECTANGULAR ELBOW**  
SCALE: NO SCALE



**6 TYPICAL TURNING VANE**  
SCALE: NO SCALE