

ARCHITECTURE  
SCOTT MARTSOLF - ARCHITECT

815 Daggett Avenue  
Fort Worth, Texas 76104  
Phone: (817) 820-0005

ST. JUDE  
CATHOLIC  
CHURCH

PARISH HALL  
REMODEL &  
CONNECTOR

500 E DALLAS ST.  
MANSFIELD, TX 76063

PERMIT SET

Drawing Title:

HVAC DETAILS

Project No.

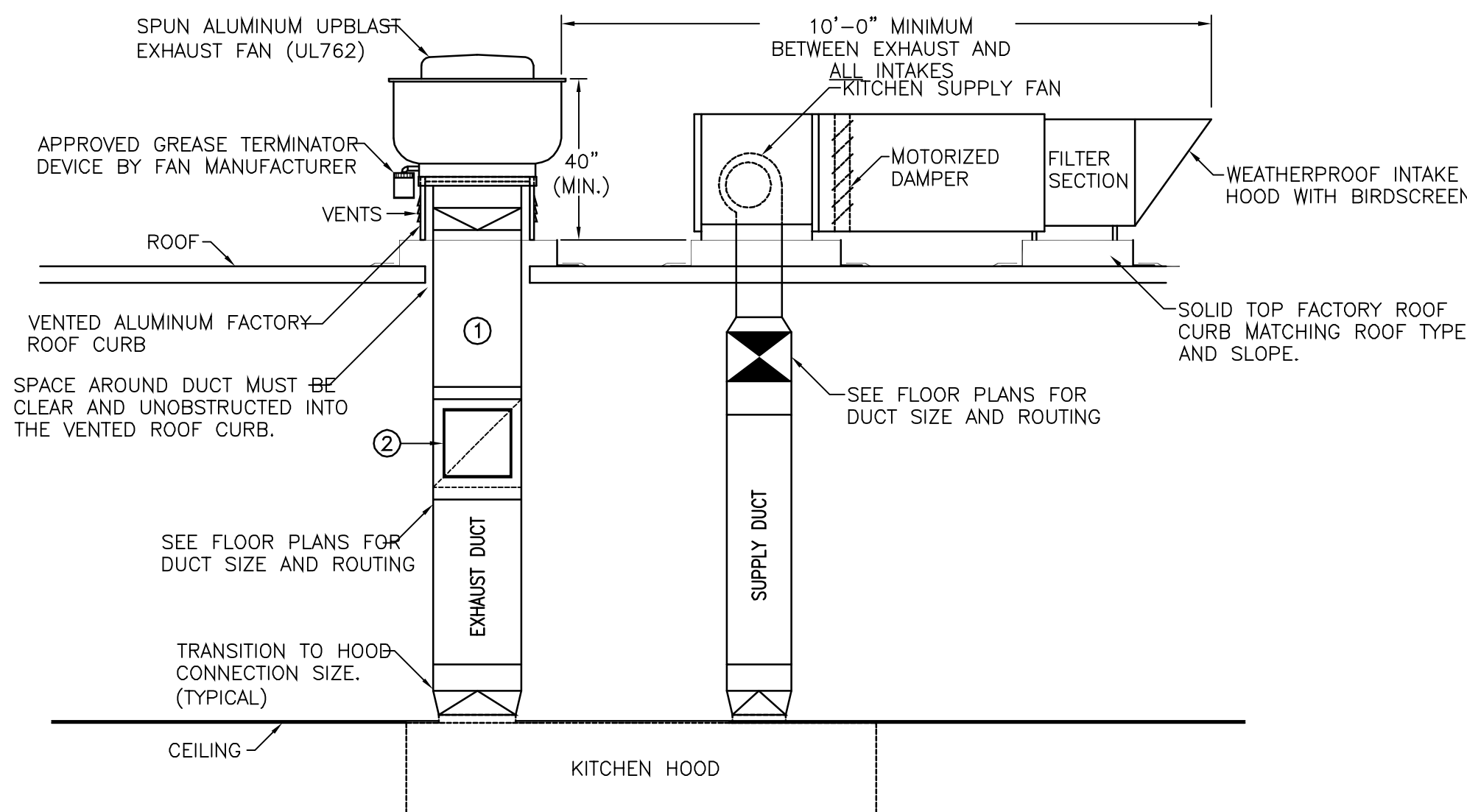
2307

Date:

1/12/2024

Sheet No.

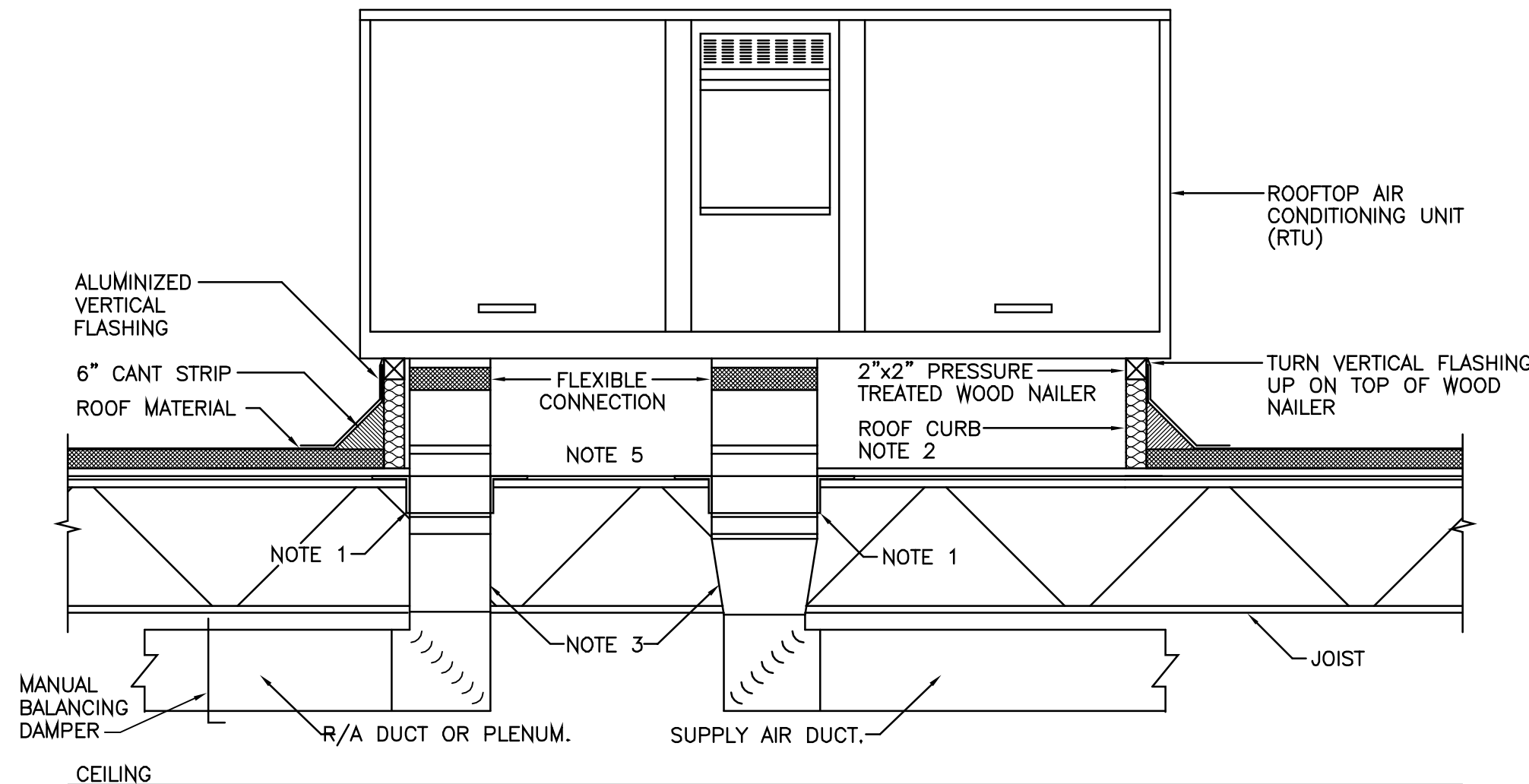
M4.1



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).

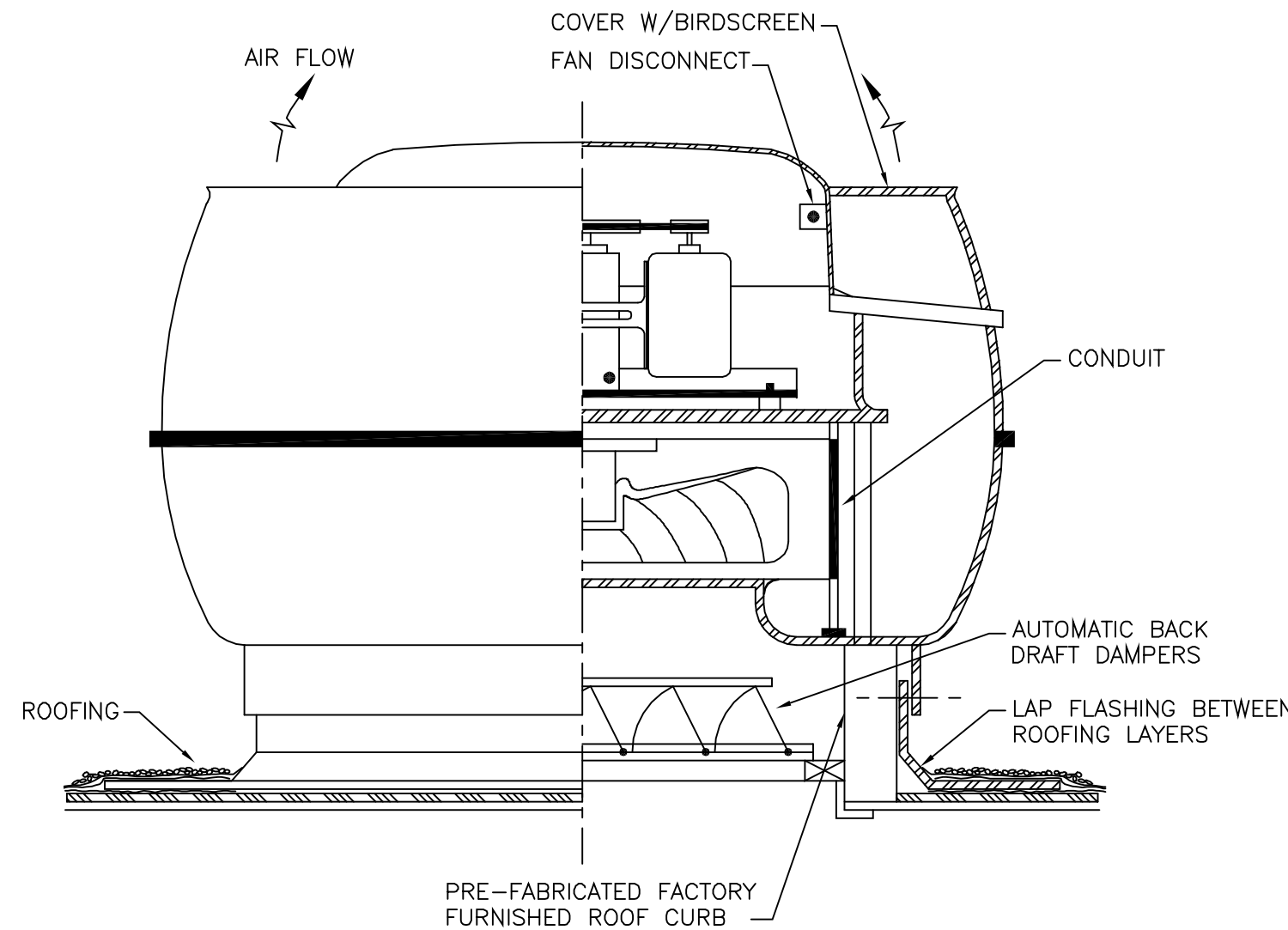
2 TYPICAL KITCHEN HOOD DUCT SYSTEM  
SCALE: NO SCALE



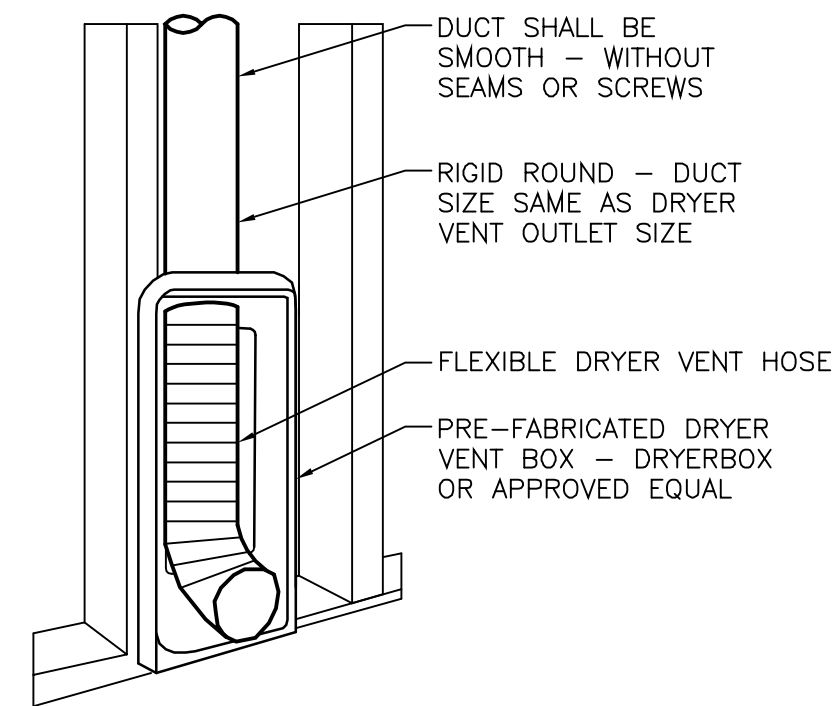
NOTES

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



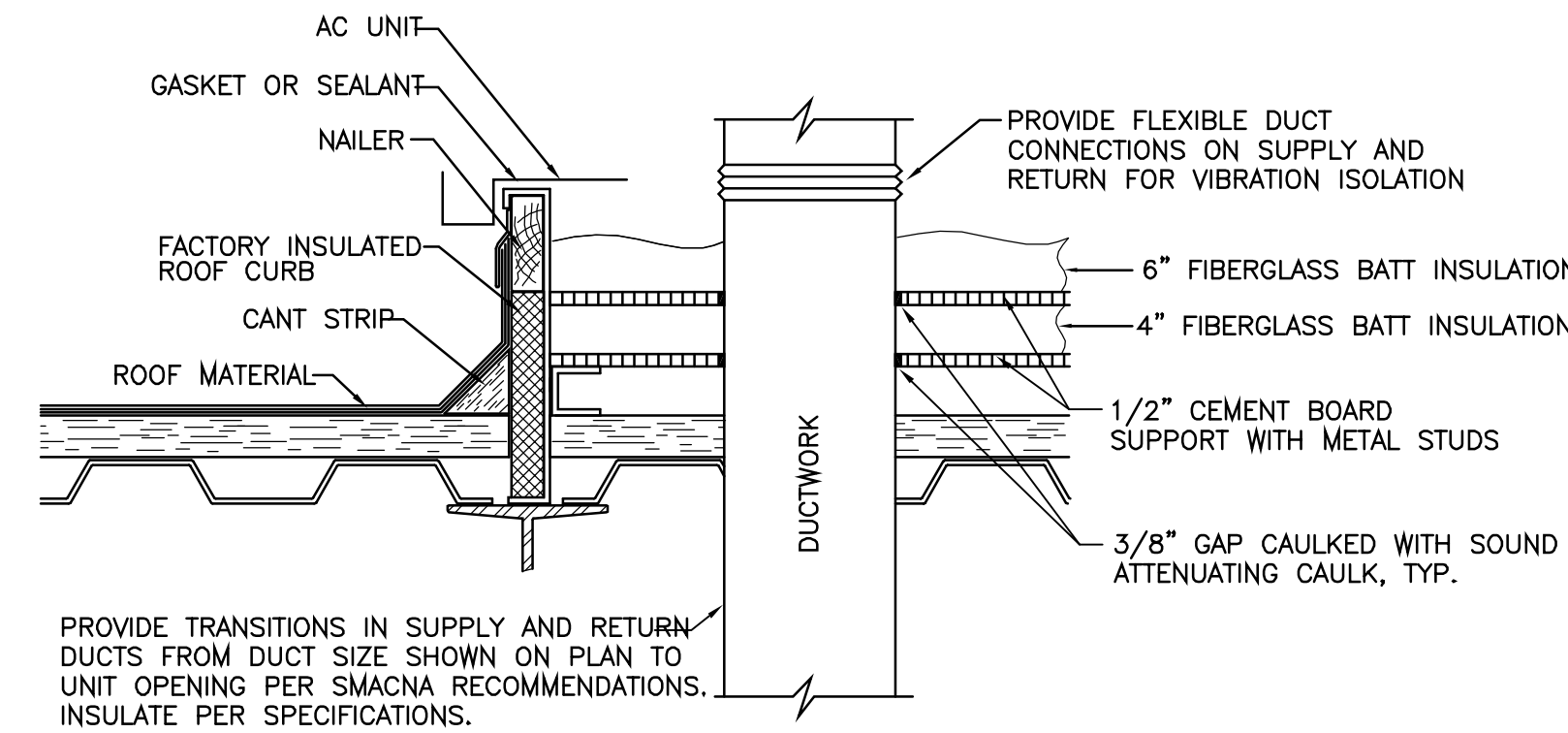
5 TYPICAL UP BLAST ROOF EXHAUST FAN  
SCALE: NO SCALE



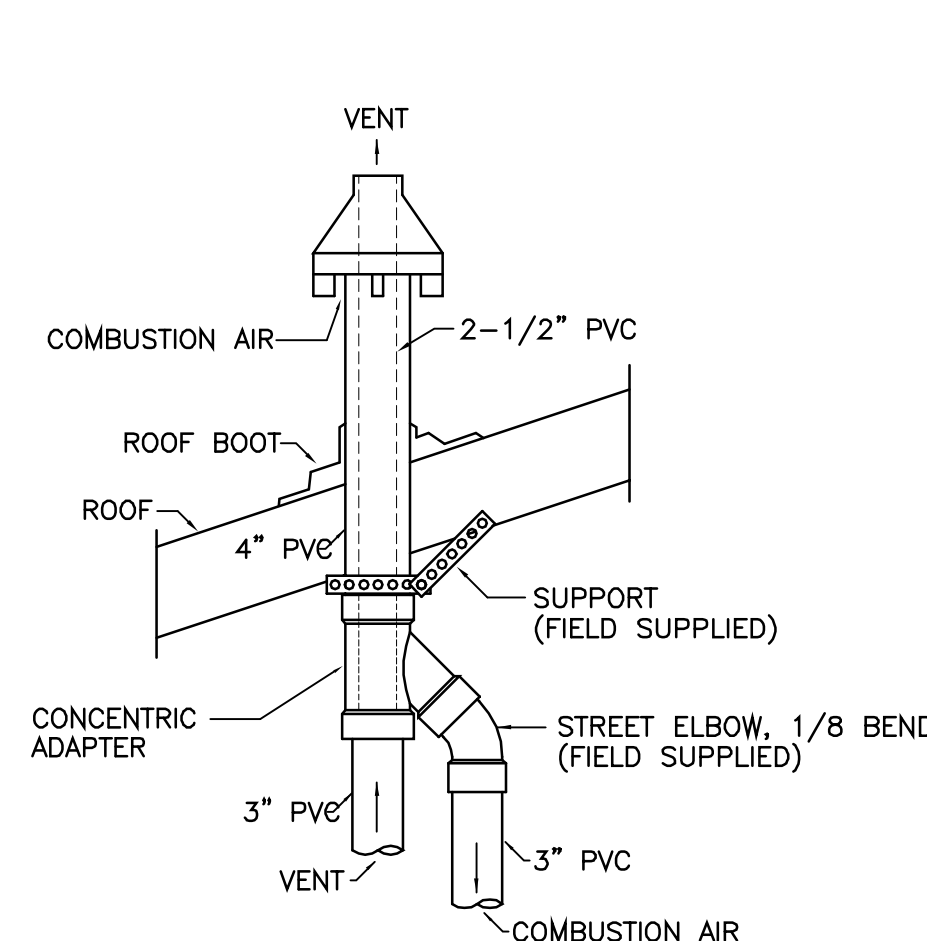
NOTES:

1. MOUNT DUCT CONNECTION HEIGHT AT DRYER OUTLET HEIGHT.

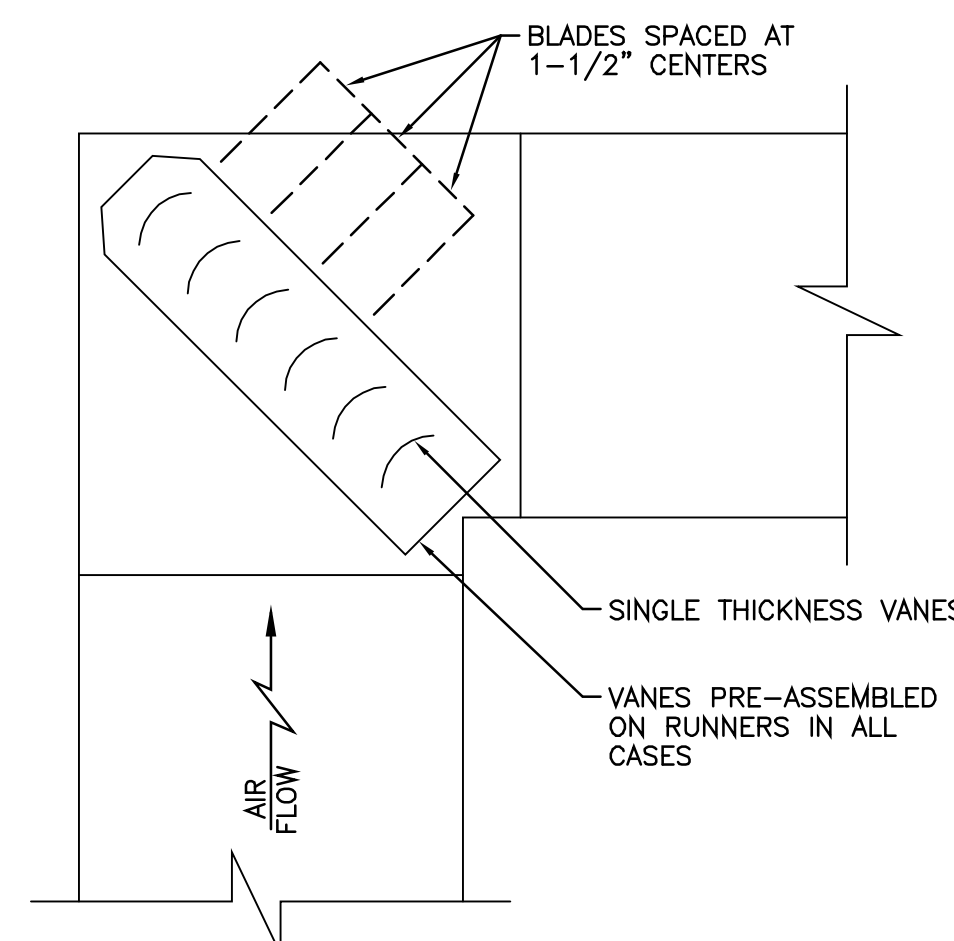
4 TYPICAL DRYER VENT INSTALLATION  
SCALE: NO SCALE



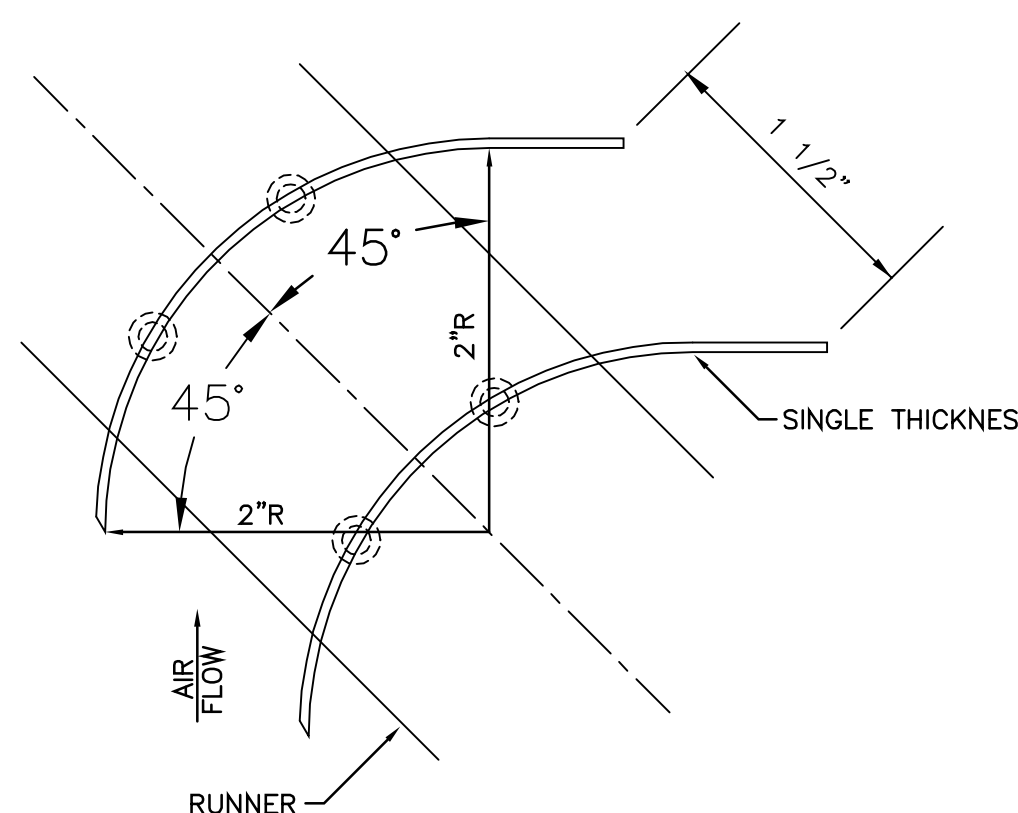
3 ROOFTOP UNIT SOUND ATTENUATION AND CURB INSTALLATION  
SCALE: NO SCALE



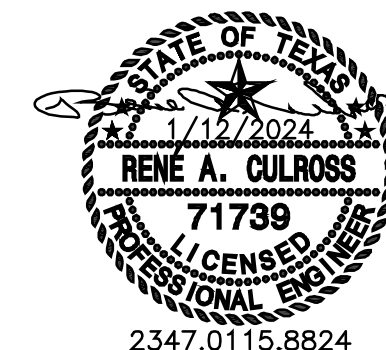
8 TYPICAL CONCENTRIC VENT FOR SEPARATED COMBUSTION GAS APPLIANCES  
SCALE: NO SCALE



7 TYPICAL RECTANGULAR ELBOW  
SCALE: NO SCALE



6 TYPICAL TURNING VANE  
SCALE: NO SCALE



MEP Consultant  
Rene A. Culross  
Rene A. Culross, P.E., PLLC  
1820 Hunting Green Drive  
Fort Worth, TX 76134  
817-798-6642  
raculross@gmail.com  
F-12230

2347.0115.8824