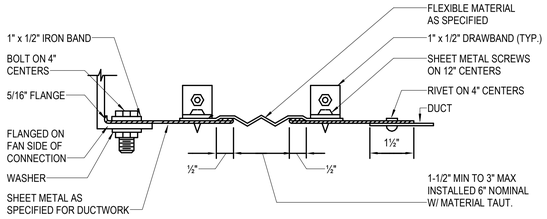
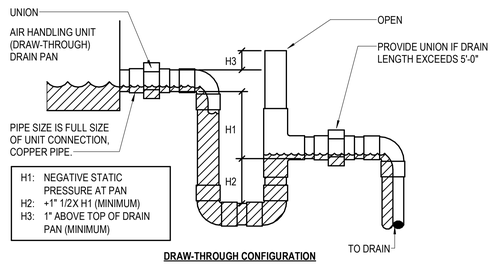
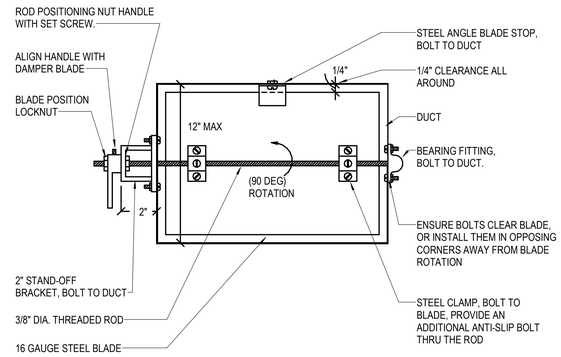


1 FLEXIBLE CONNECTION ROUND
NOT TO SCALE



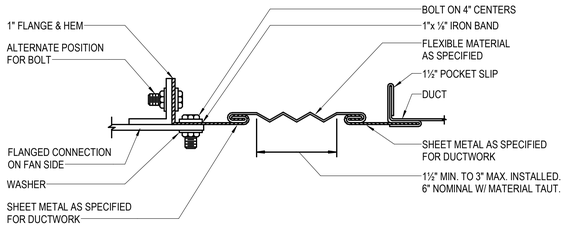
DRAW-THROUGH CONFIGURATION

2 CONDENSATE PIPING - DRAIN TRAP - DRAW THROUGH
NOT TO SCALE

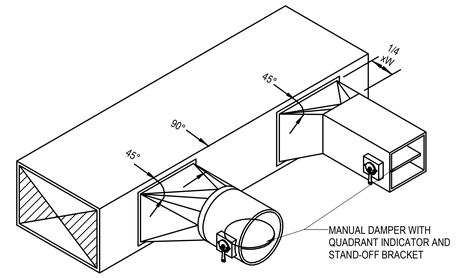


NOTES:
1. DAMPERS FOR ROUND DUCTS SHALL BE SIMILAR TO THE DAMPER SHOWN ABOVE.
2. ENSURE THAT FULL 90° DAMPER BLADE MOVEMENT IS UNOBSTRUCTED.
3. FOR DUCT HEIGHTS MORE THAN 12", PROVIDE FACTORY-FABRICATED OPPOSED BLADE DAMPERS.

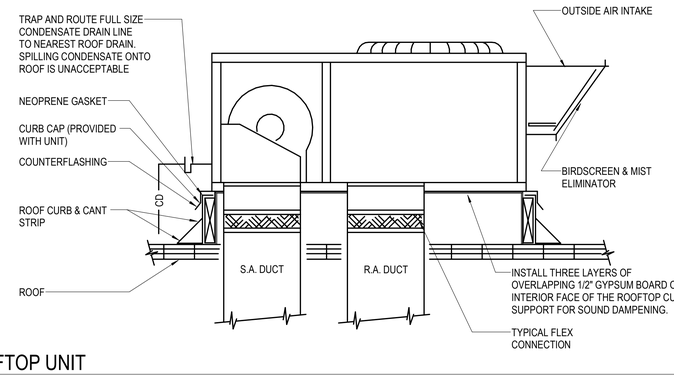
3 DUCT MANUAL SINGLE BLADE BALANCING DAMPER
NOT TO SCALE



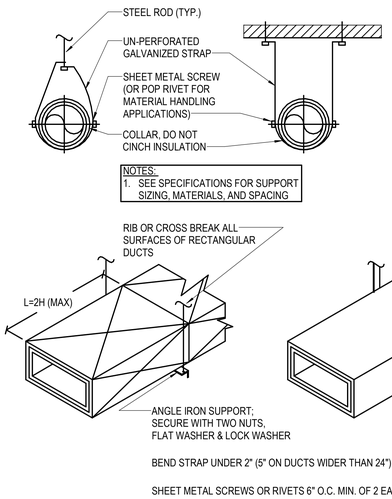
4 FLEXIBLE CONNECTION RECTANGUALR
NOT TO SCALE



5 DUCT TAKEOFF
NOT TO SCALE

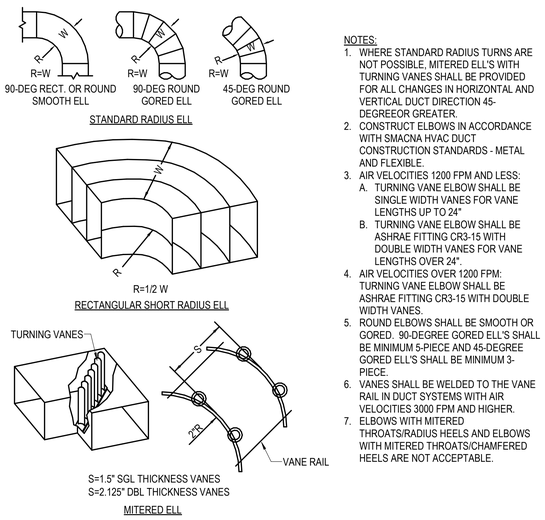


6 ROOFTOP UNIT
NOT TO SCALE



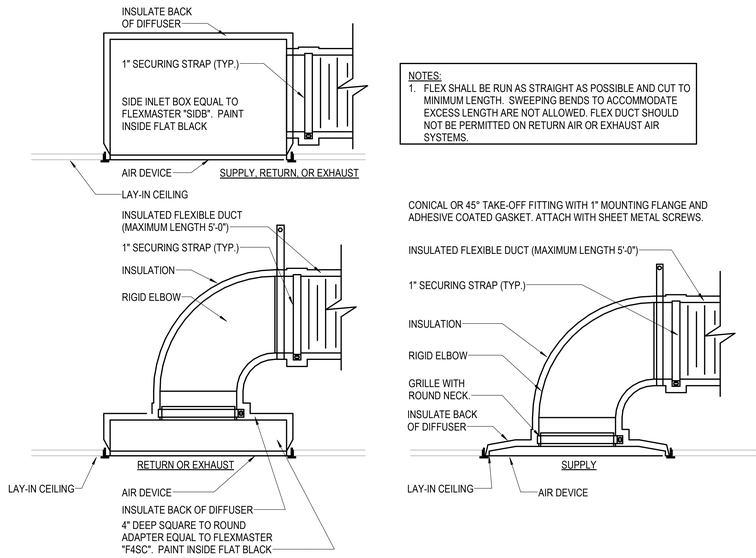
NOTES:
1. SEE SPECIFICATIONS FOR SUPPORT SIZING, MATERIALS, AND SPACING

7 DUCT HANGERS
NOT TO SCALE



NOTES:
1. WHERE STANDARD RADIUS TURNS ARE NOT POSSIBLE, MITERED ELL'S WITH TURNING VANES SHALL BE PROVIDED FOR ALL CHANGES IN HORIZONTAL AND VERTICAL DUCT DIRECTION 45-DEGREEOR GREATER.
2. CONSTRUCT ELBOWS IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
3. AIR VELOCITIES 1200 FPM AND LESS:
   A. TURNING VANE ELBOW SHALL BE SINGLE WIDTH VANES FOR VANE LENGTHS UP TO 24"
   B. TURNING VANE ELBOW SHALL BE ASHRAE FITTING CR3-15 WITH DOUBLE WIDTH VANES FOR VANE LENGTHS OVER 24".
4. AIR VELOCITIES OVER 1200 FPM: TURNING VANE ELBOW SHALL BE ASHRAE FITTING CR3-15 WITH DOUBLE WIDTH VANES.
5. ROUND ELBOWS SHALL BE SMOOTH OR GORED. 90-DEGREE GORED ELL'S SHALL BE MINIMUM 5-PIECE AND 45-DEGREE GORED ELL'S SHALL BE MINIMUM 3-PIECE.
6. VANES SHALL BE WELDED TO THE VANE RAIL IN DUCT SYSTEMS WITH AIR VELOCITIES 3000 FPM AND HIGHER.
7. ELBOWS WITH MITERED THROATS/RADIUS HEELS AND ELBOWS WITH MITERED THROATS/CHAMFERED HEELS ARE NOT ACCEPTABLE.

8 DUCT ELBOW SPEC
NOT TO SCALE



NOTES:
1. FLEX SHALL BE RUN AS STRAIGHT AS POSSIBLE AND CUT TO MINIMUM LENGTH. SWEEPING BENDS TO ACCOMMODATE EXCESS LENGTH ARE NOT ALLOWED. FLEX DUCT SHOULD NOT BE PERMITTED ON RETURN AIR OR EXHAUST AIR SYSTEMS.

CONICAL OR 45° TAKE-OFF FITTING WITH 1" MOUNTING FLANGE AND ADHESIVE COATED GASKET. ATTACH WITH SHEET METAL SCREWS.

9 AIR DEVICE CONNECTION
NOT TO SCALE

CROMWELL
1300 East 6th Street Little Rock, AR 72202
501.372.2900 cromwell.com
100 W. Emma Ave. Springdale, AR 72764
479.320.2741

Project

MERCY HOSPITAL BERRYVILLE
RTU - 11 REPLACEMENT
214 CARTER STREET, BERRYVILLE, AR 72616

Design Phase
CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description

Stamp

CERTIFICATE OF AUTHORIZATION — CROMWELL ARCHITECTS/ ENGINEERS #5 — ARKANSAS ENGINEER

STATE OF ARKANSAS — REGISTERED PROFESSIONAL ENGINEER — No. 22271 — SHAUN B. SORNICK — 01-14-2025

Notes
1. **CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED**
2. **THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.**

Project Number **2025-020**

Issue Date **07-14-2025**

Sheet Title **DETAILS**

Sheet Number **M-501**