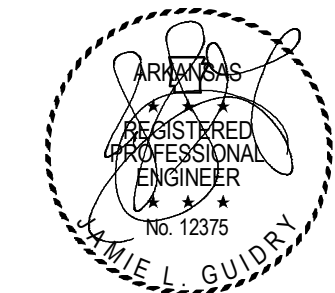
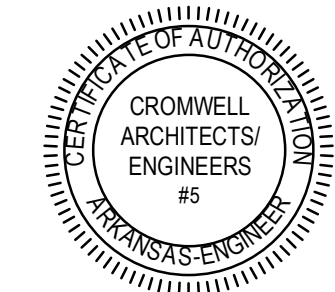


CONSTRUCTION
DOCUMENTS

Revisions		
No.	Date	Description

Stamp



11-13-2024

Notes

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Project Number

2024-116

Issue Date

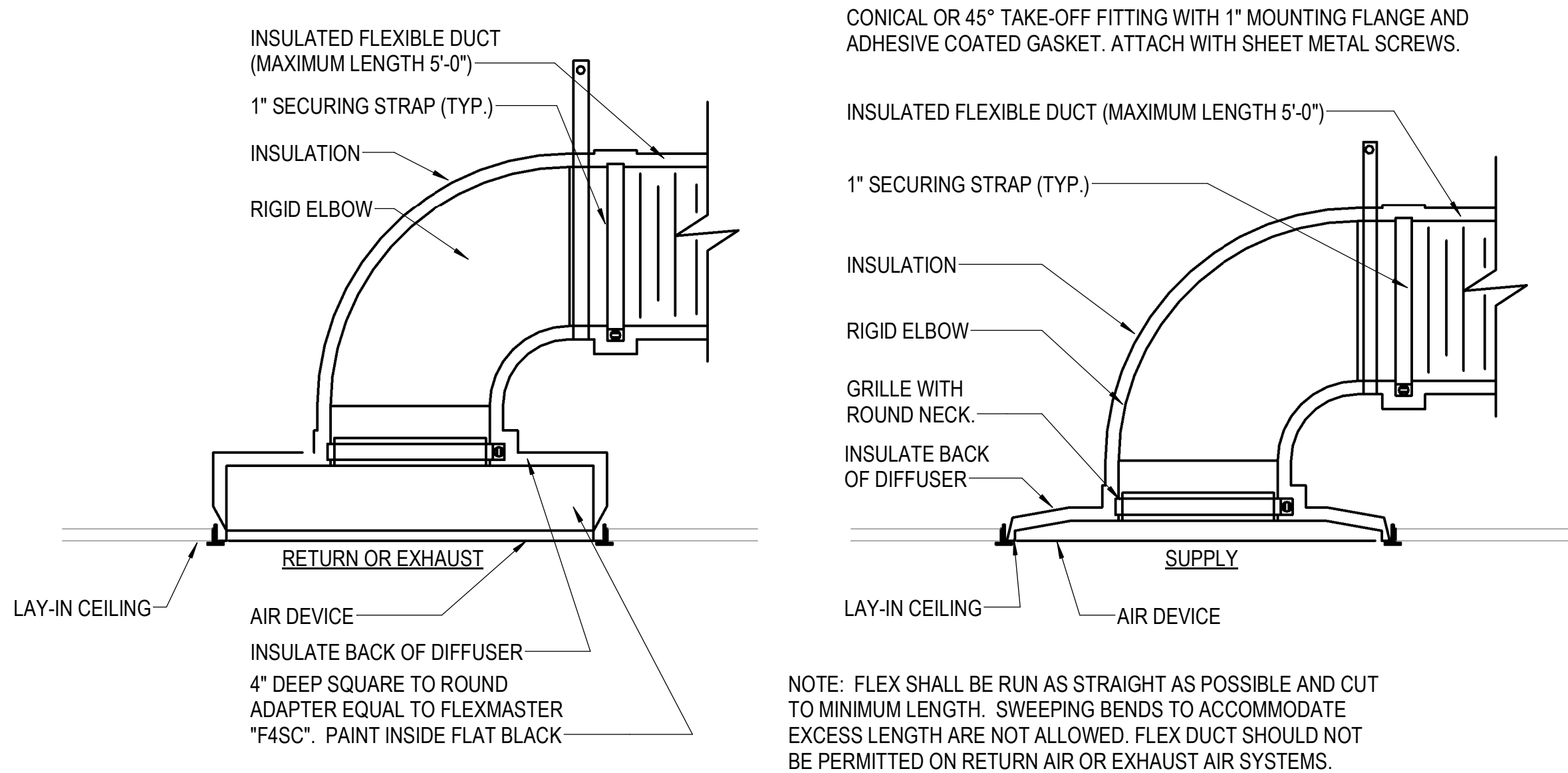
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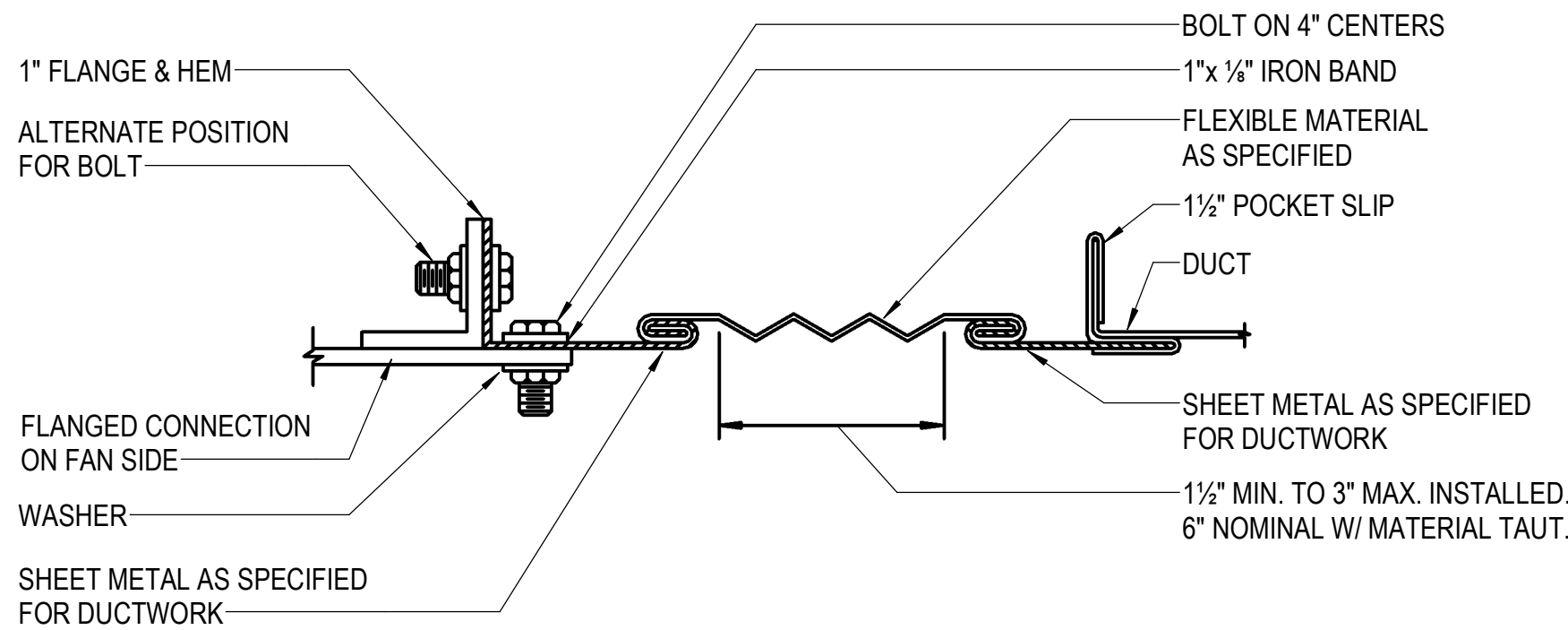
MECHANICAL DETAILS

Sheet Number

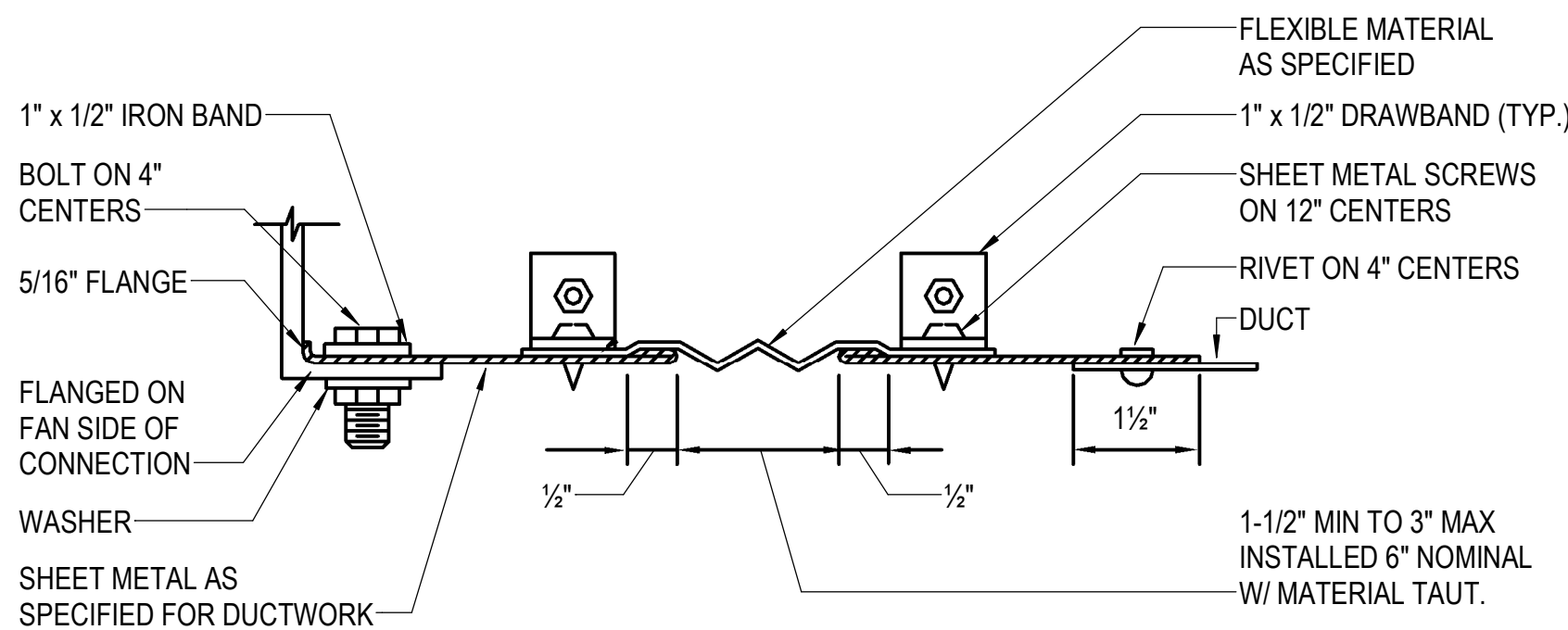
M-501



1 AIR DEVICE CONNECTION
NOT TO SCALE

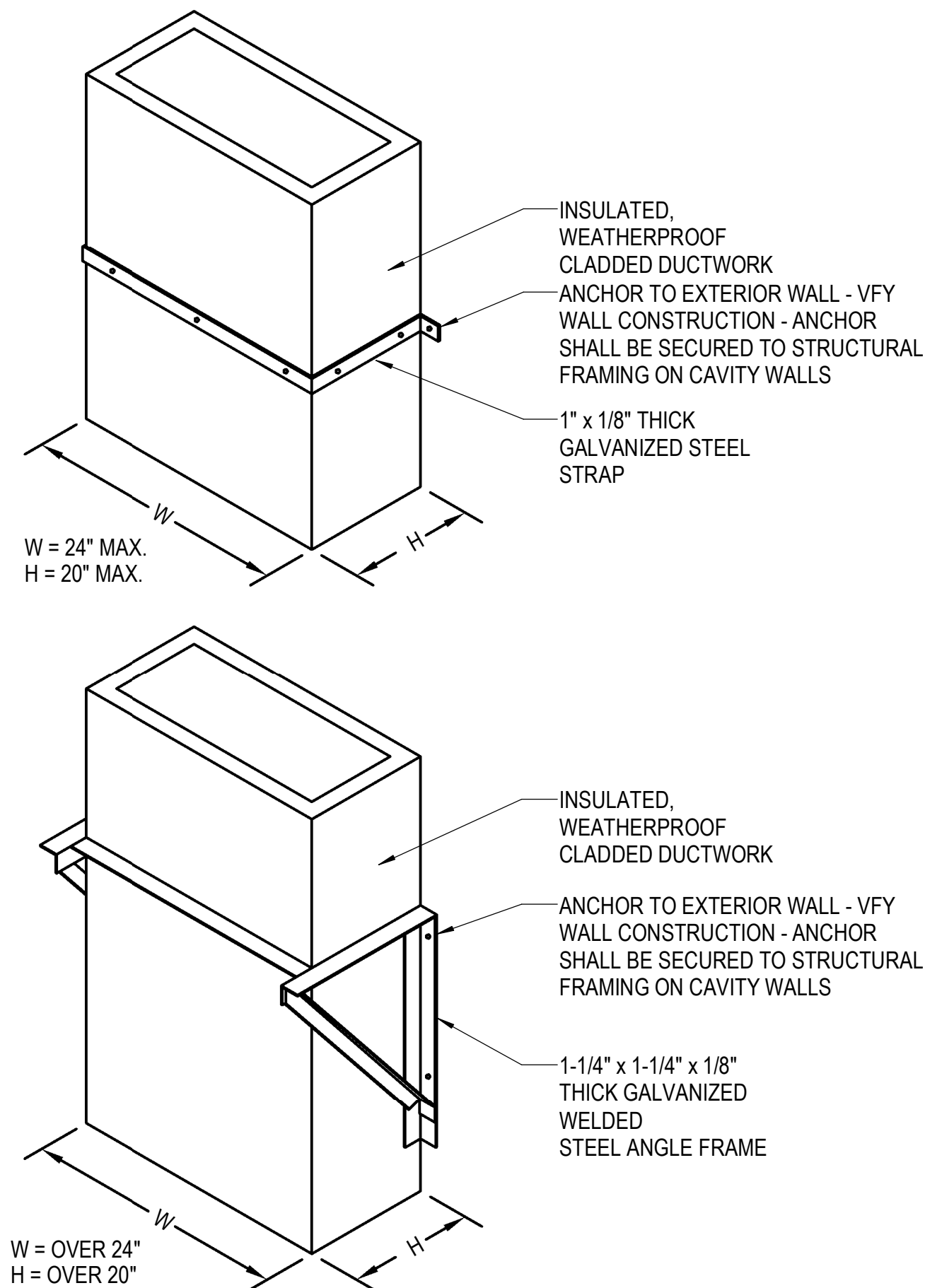


2 FLEXIBLE CONNECTION RECTANGULAR
NOT TO SCALE

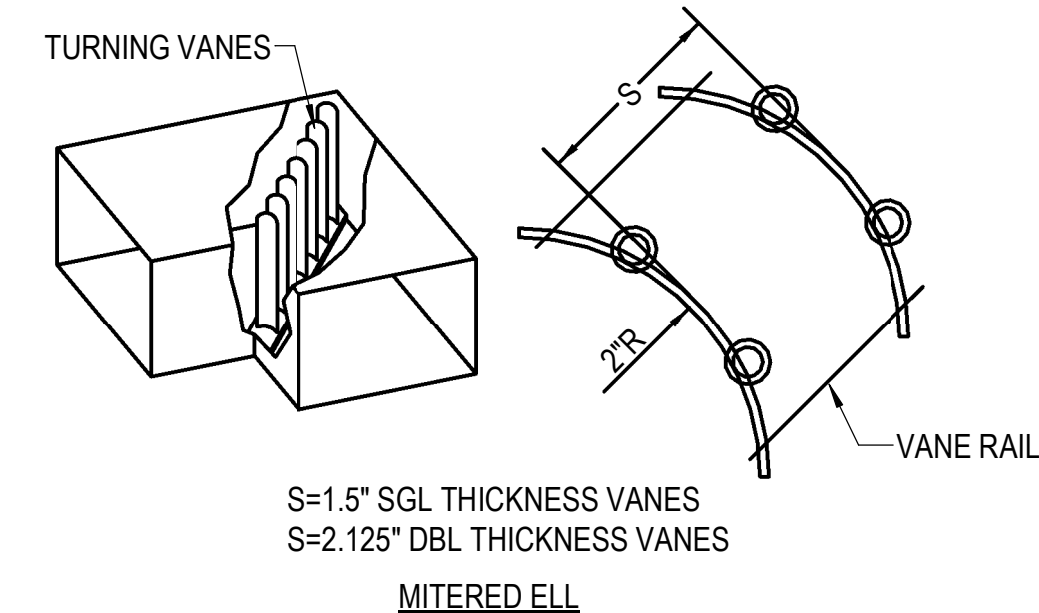
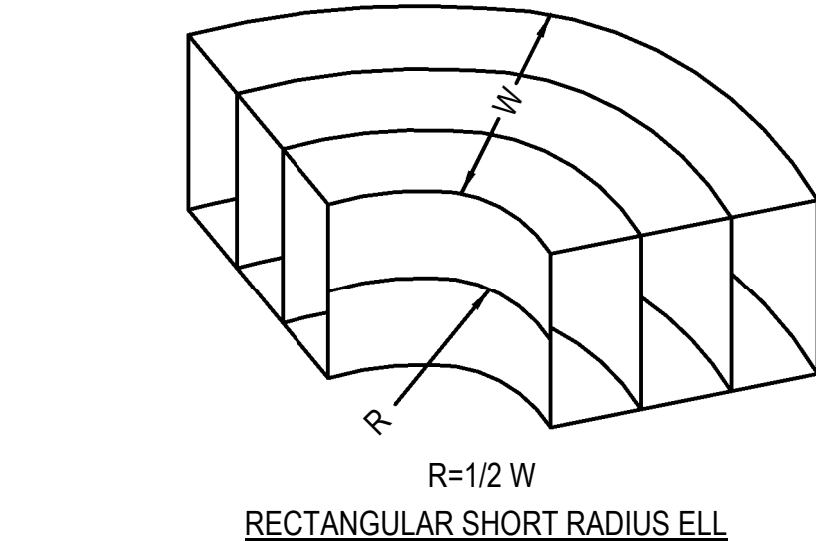
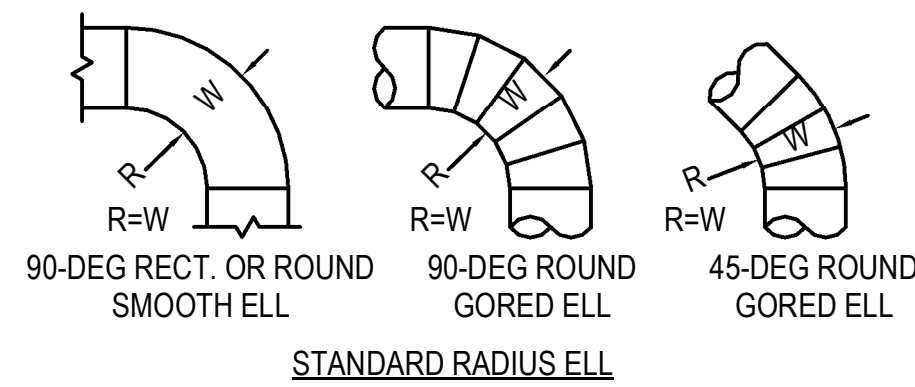


3 FLEXIBLE CONNECTION ROUND
NOT TO SCALE

- NOTES:
- PROVIDE SUPPORT AT 12" O.C. MAX.
 - ANCHOR ANGLE IRON SUPPORTS TO WALL AT 12" O.C. SPACING MAX.
 - ALL BRACE-TO-DUCT FASTENERS SHALL BE EQUALLY SPACED AT 8" O.C.



4 EXTERIOR VERTICAL RECTANGULAR DUCT SUPPORT
NOT TO SCALE



5 DUCT ELBOW
NOT TO SCALE

- NOTES:
- 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-DEGREE OR GREATER.
 - CONSTRUCT ELBOWS IN ACCORDANCE WITH SMACNA HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE.
 - AIR VELOCITIES 1200 FPM AND LESS:
 - TURNING VANE ELBOW SHALL BE TURNING VANE ELBOW SHALL BE SINGLE WIDTH VANES FOR VANE LENGTHS UP TO 24"
 - TURNING VANE ELBOW SHALL BE ASHRAE FITTING CR3-15 WITH DOUBLE WIDTH VANES FOR VANE LENGTHS OVER 24"
 - AIR VELOCITIES OVER 1200 FPM: TURNING VANE ELBOW SHALL BE ASHRAE FITTING CR3-15 WITH DOUBLE WIDTH VANES.
 - 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.
 - VANES SHALL BE WELDED TO THE VANE RAIL IN DUCT SYSTEMS WITH AIR VELOCITIES 3000 FPM AND HIGHER.
 - ELBOWS WITH MITERED THROATS/RADIUS HEELS AND ELBOWS WITH MITERED THROATS/CHAMFERED HEELS ARE NOT ACCEPTABLE.