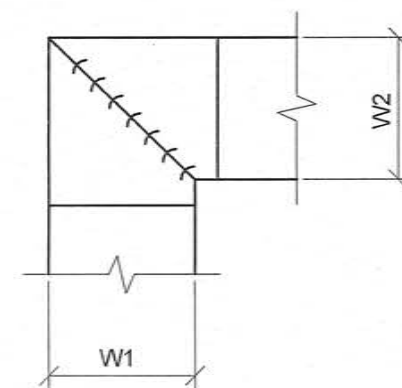


NOTES:

1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

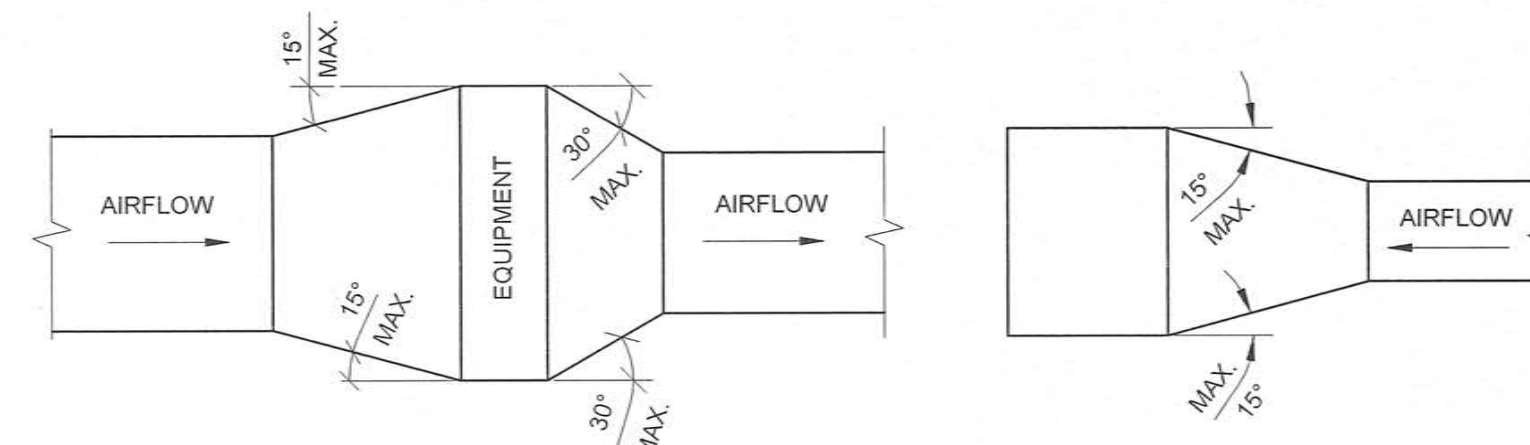
1 DUCTWORK RADIUS ELBOW  
M-501 N.T.S.



NOTES:

1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1-1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
4. WHEN W EQUAL W2 AND W1 IS GREATER THAN 20" VANES SHALL BE DOUBLE VANE TYPE.

2 DUCTWORK SQUARE VANE ELBOWS  
M-501 N.T.S.

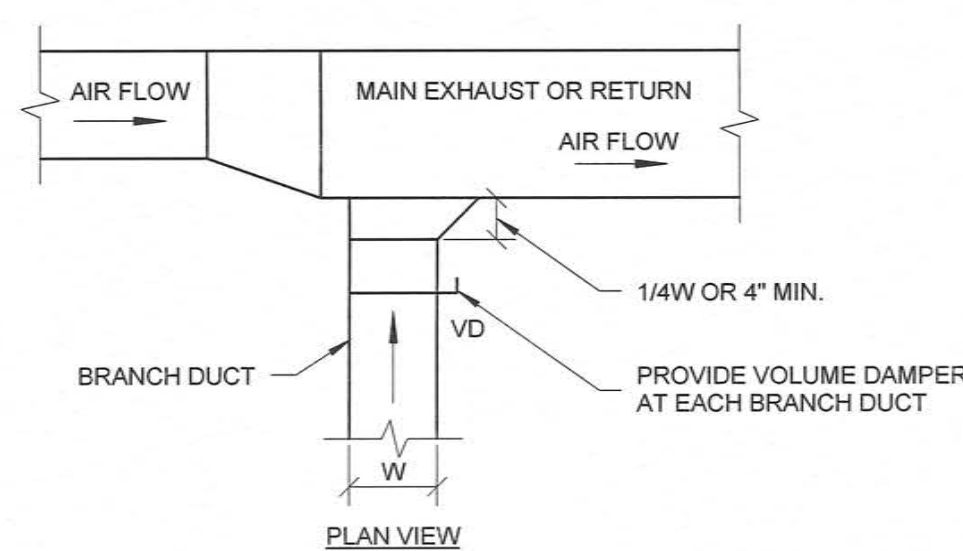


TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT PLAN OR SIDE VIEW

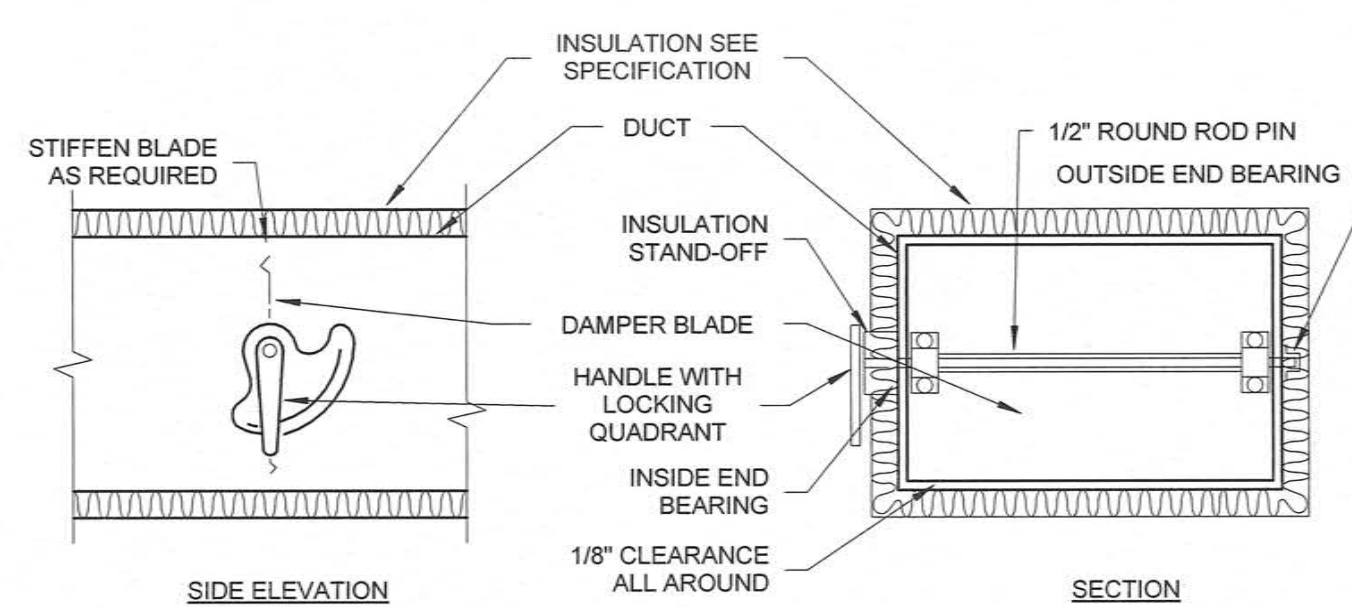
TYPICAL DUCTWORK TRANSITION PLAN OR SIDE VIEW

NOTE: UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

3 DUCTWORK TRANSITIONS (WITH EQUIPMENT MOUNTED IN DUCT)  
M-501 N.T.S.



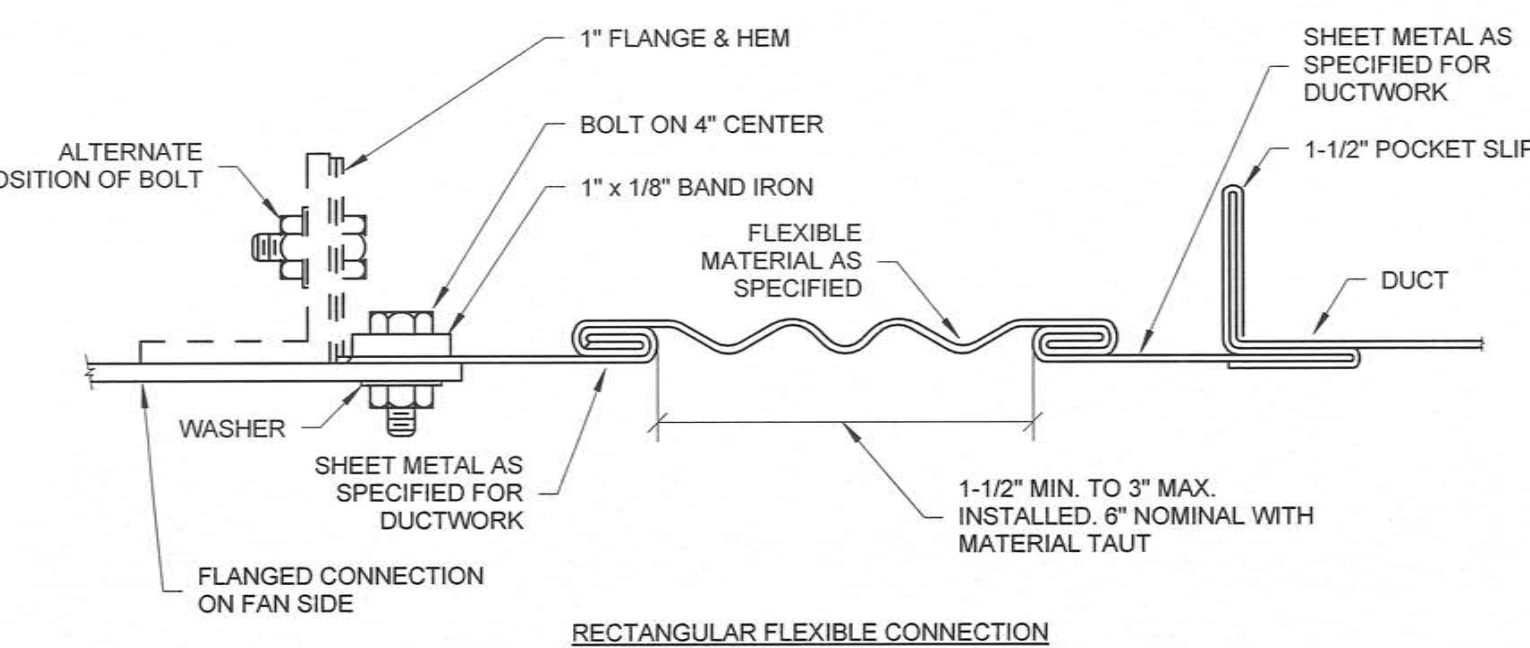
4 EXHAUST OR RETURN BRANCH DUCTWORK  
M-501 N.T.S.



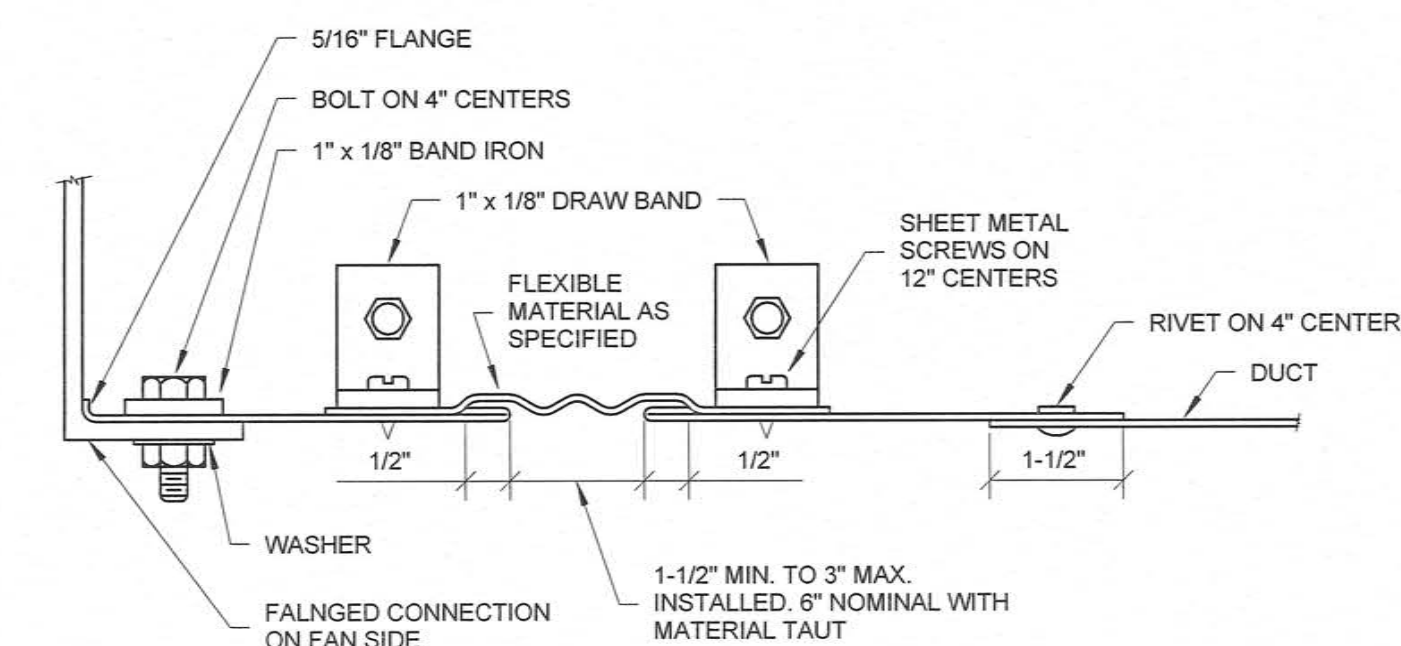
NOTES:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

5 VOLUME DAMPER DETAIL  
M-501 N.T.S.

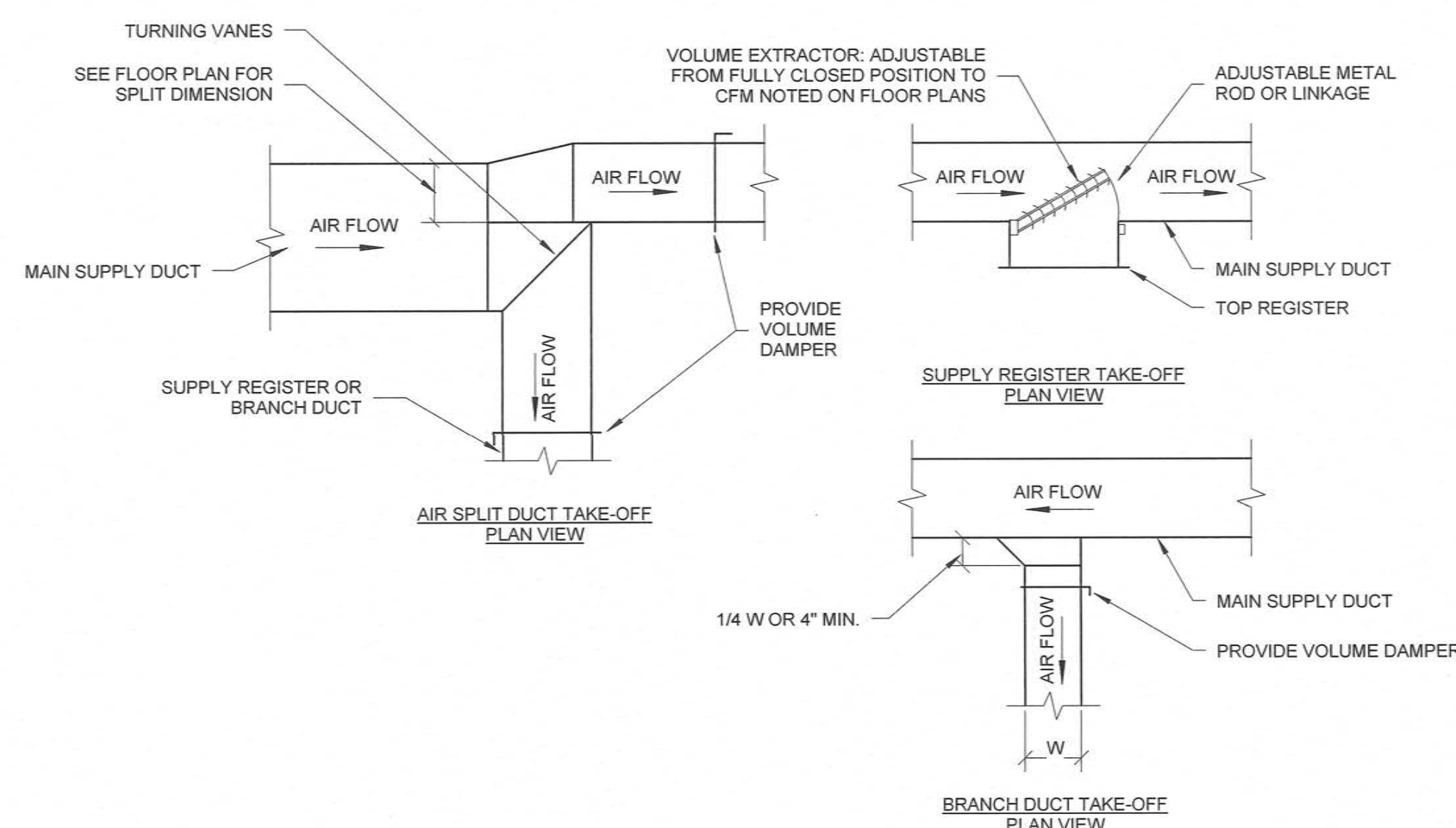


RECTANGULAR FLEXIBLE CONNECTION

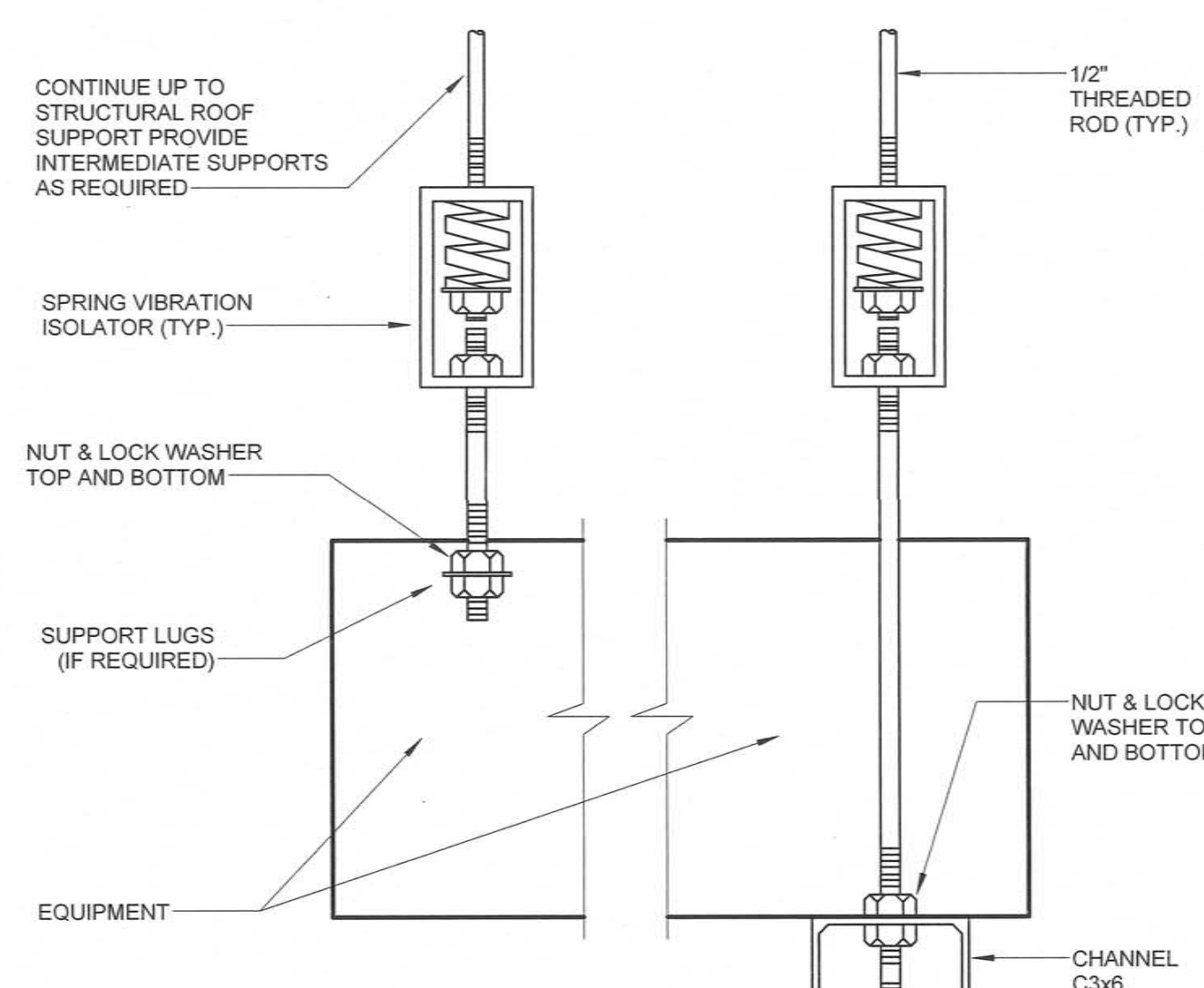


ROUND FLEXIBLE CONNECTION

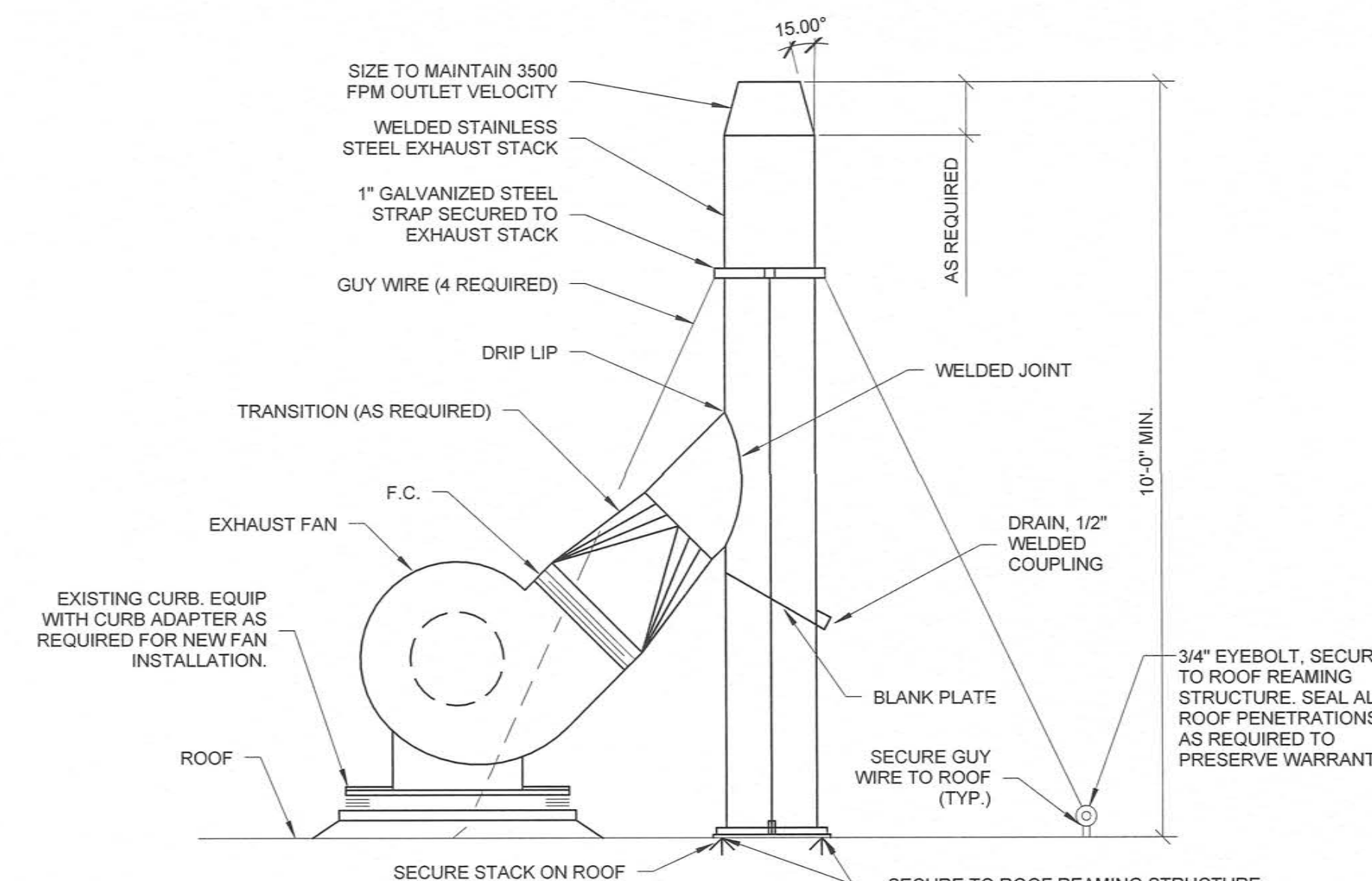
6 FLEXIBLE DUCT CONNECTIONS  
M-501 N.T.S.



7 SUPPLY DUCT TAKE-OFFS  
M-501 N.T.S.



8 SUSPENDED EQUIPMENT SUPPORT DETAIL  
M-501 N.T.S.



9 EXHAUST STACK DETAIL  
M-501 N.T.S.

<p>Amended Per Owner's Comments No Rev Clouds 10/17/2014</p> <p>Revisions Date</p>		<p>CONSULTANTS:</p>		<p>PROJECT MANAGER:</p> <p>               Raleigh, NC              Indianapolis, IN              Philadelphia, PA              Fort Collins, CO              Virginia Beach, VA              (919) 858-7420              www.acg-pa.com              NC License # C-1848           </p>		<p>Project Number 2013121</p> <p>Scale N.T.S.</p>		<p>Drawing Title</p> <p>MECHANICAL DETAILS - DUCTWORK</p> <p>Approved: Project Director</p>		<p>Project Title</p> <p>REPLACE AIR HANDLING UNITS 3, 14, &amp; 34</p> <p>Location 2300 RAMSEY STREET, FAYETTEVILLE, NC 28301</p> <p>Date 08/28/2014</p> <p>Checked DJR</p> <p>Drawn SPG</p>		<p>VA Project Number 246-13-C-0106</p> <p>Building Number 1 AND 3</p> <p>Drawing Number M-501</p> <p>Dwg. 10 of 18</p>		<p>Office of Facilities Management</p> <p>Department of Veterans Affairs</p>	
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