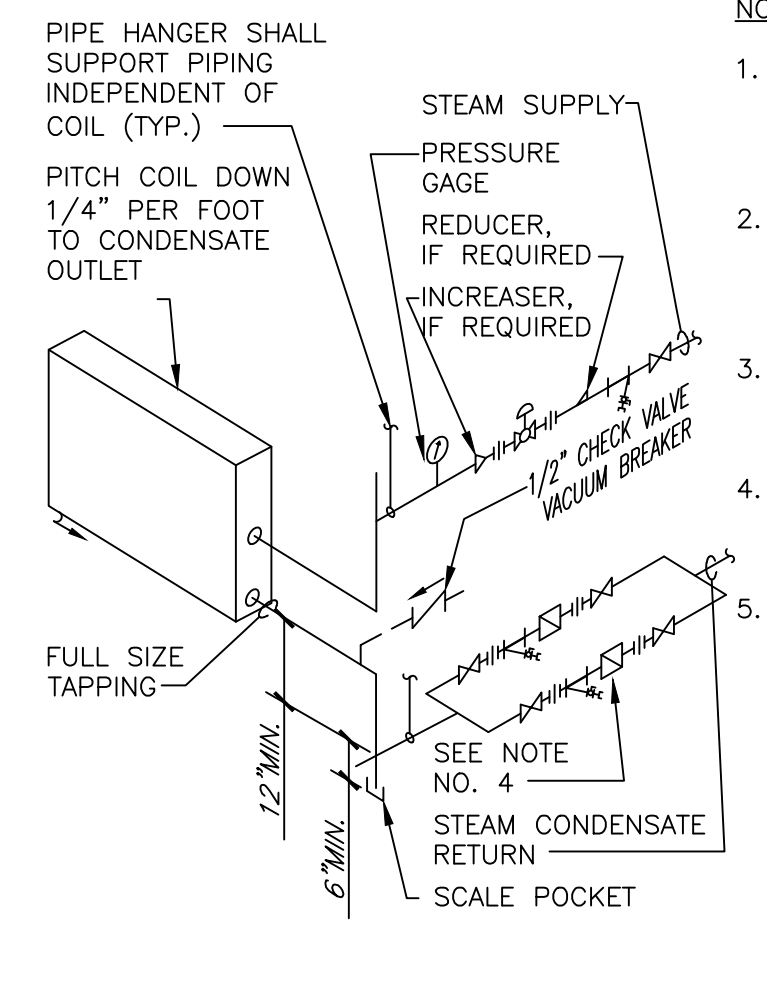
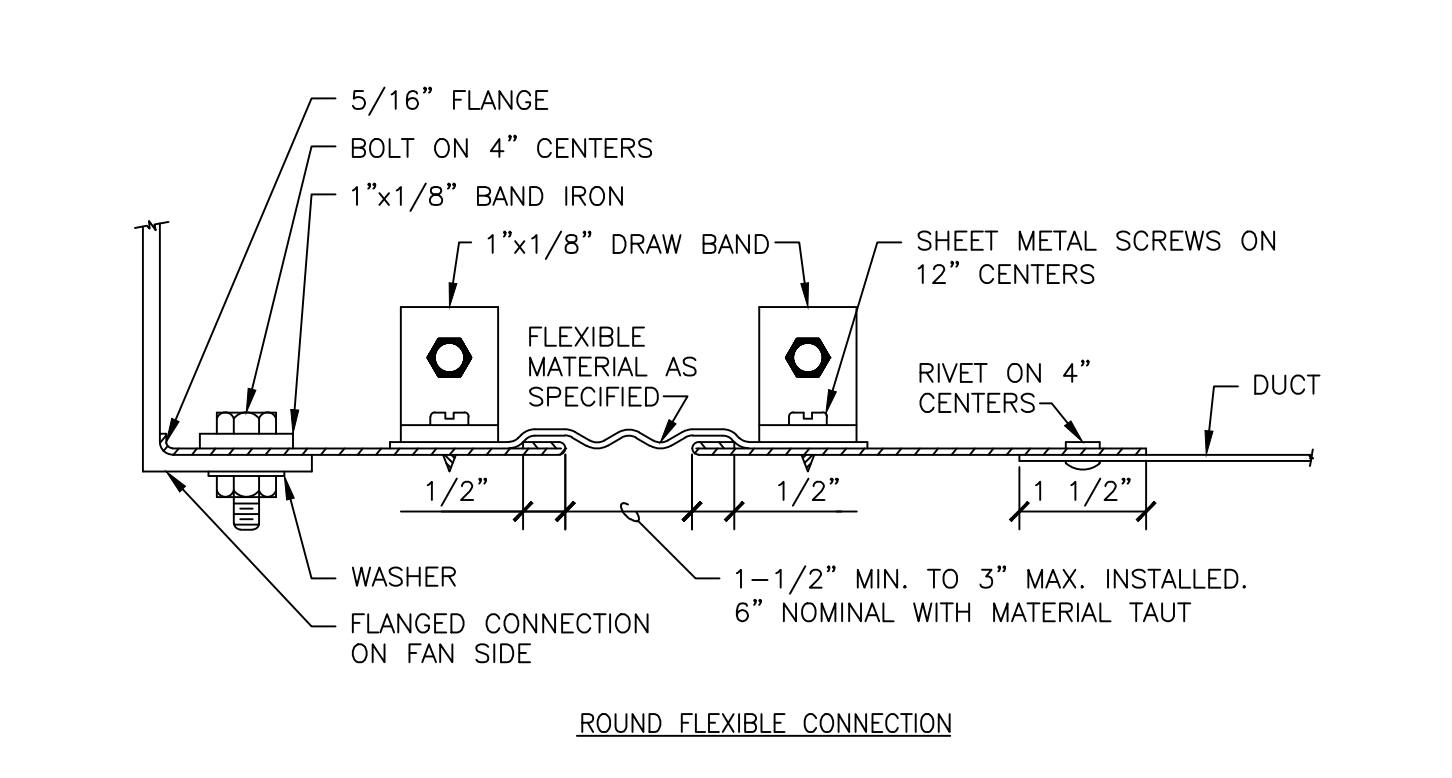
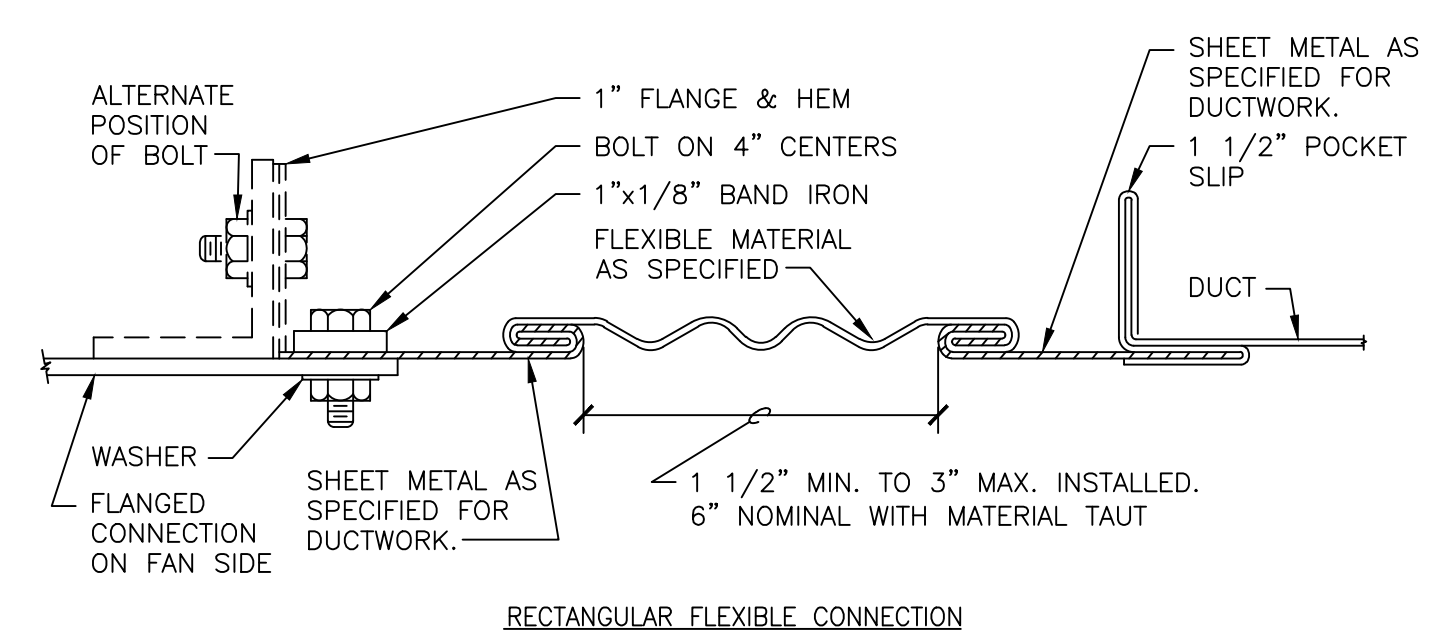


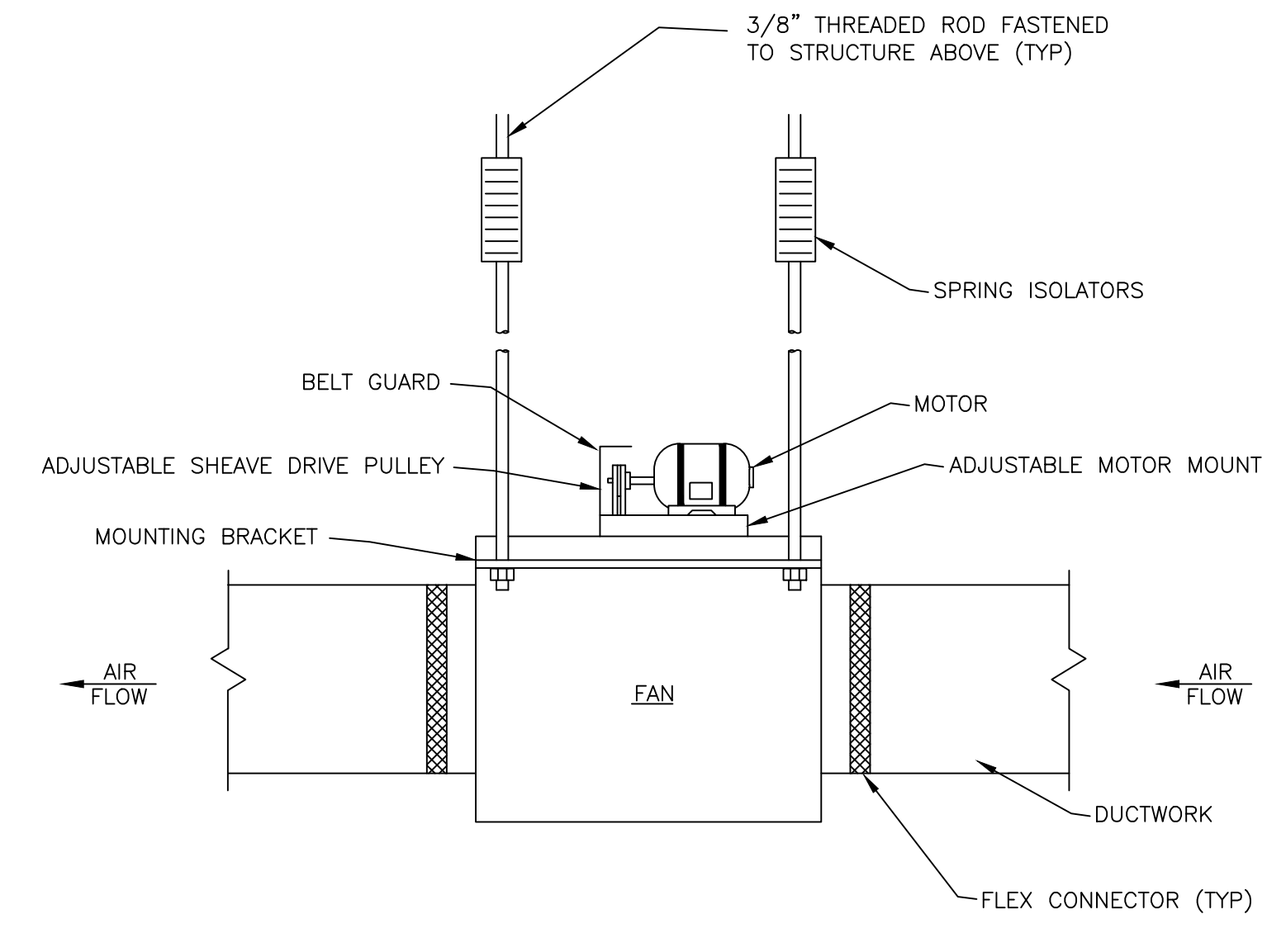
10 REFRIGERANT PIPING DETAIL
NTS



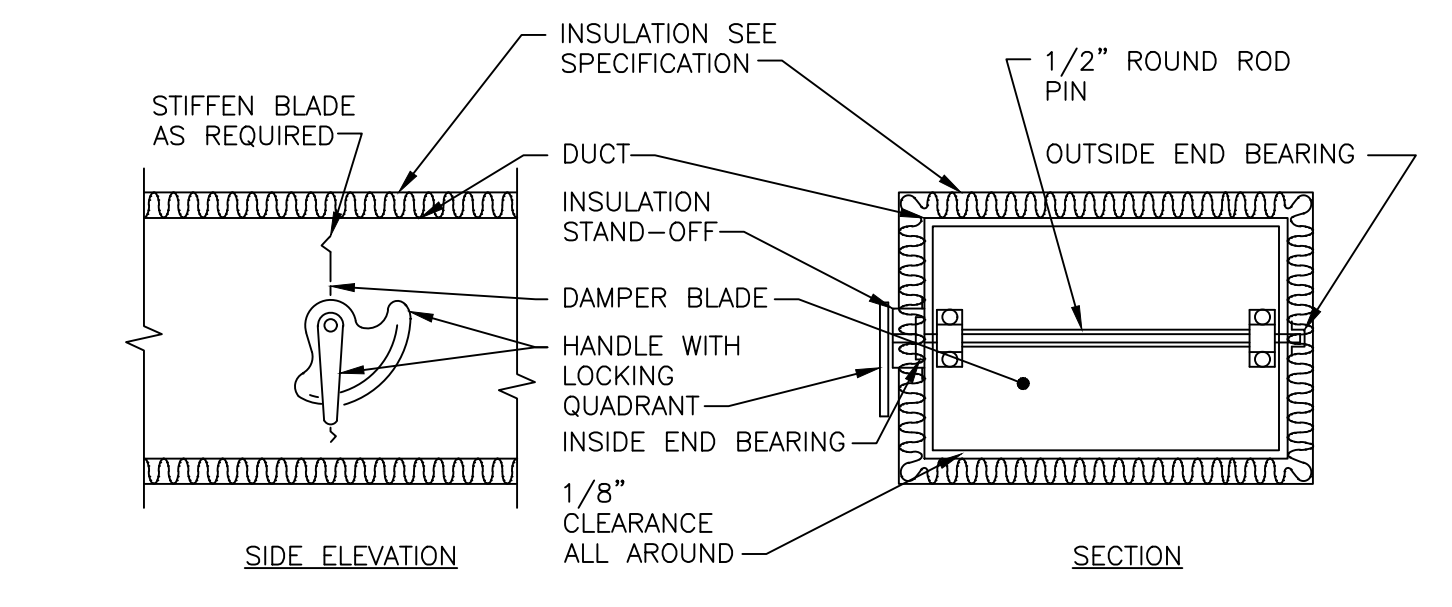
11 STEAM COIL - PIPING CONNECTIONS
NTS



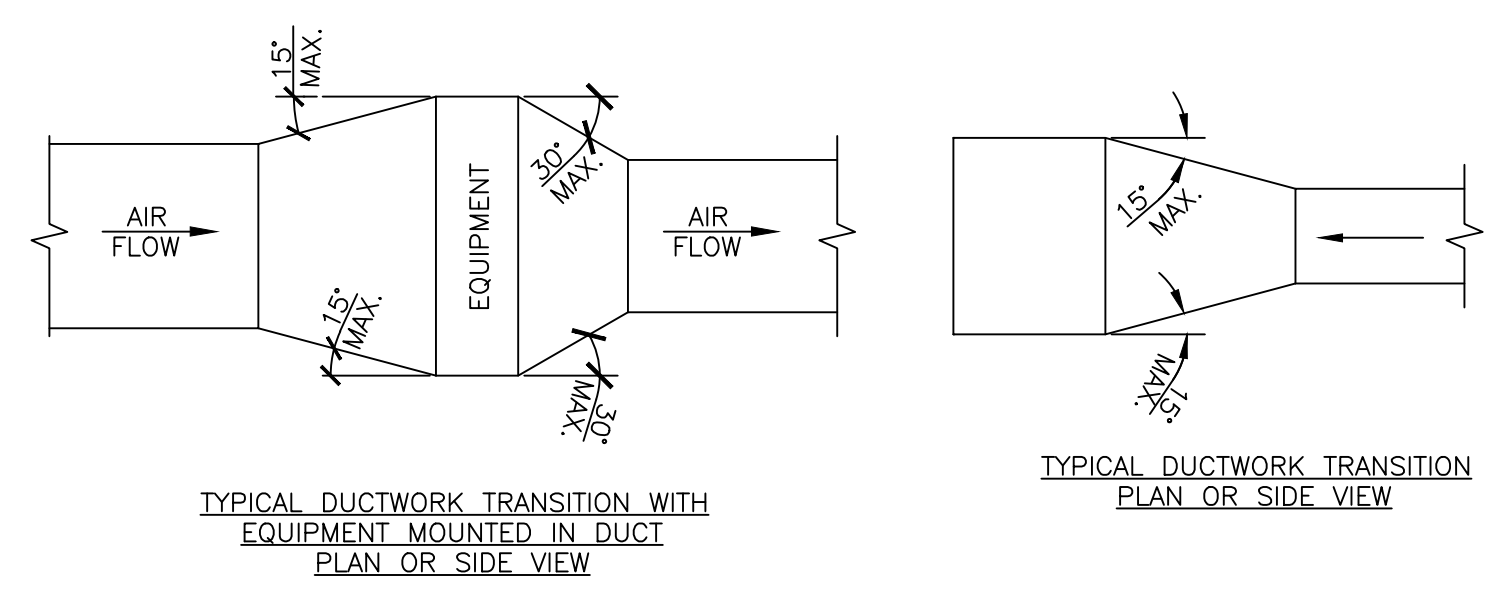
12 FLEXIBLE DUCT CONNECTIONS
NTS



13 IN-LINE FAN
NTS



6 VOLUME DAMPER DETAIL
NTS



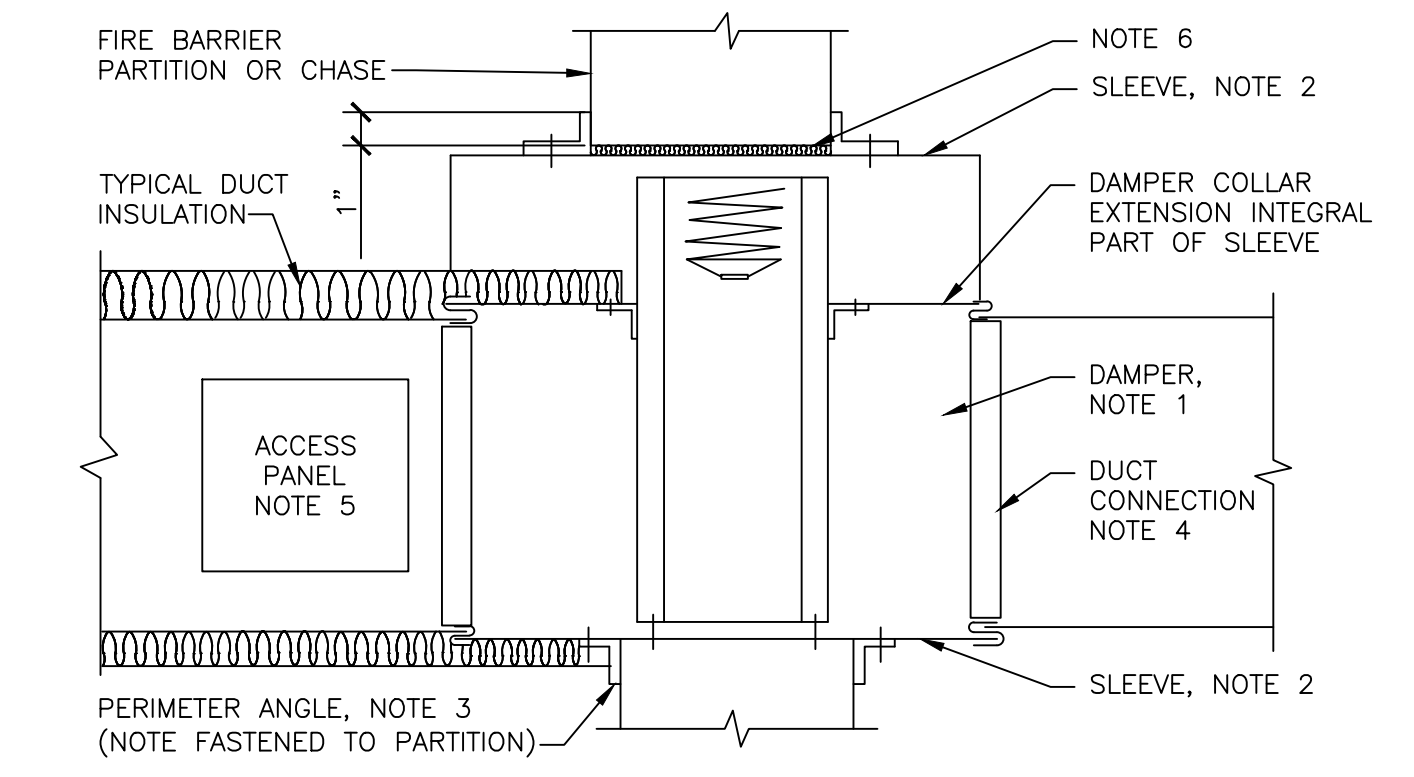
7 DUCTWORK TRANSITIONS (WITH EQUIPMENT MOUNTED IN DUCT)
NTS

HANGER STRAPS OR RODS

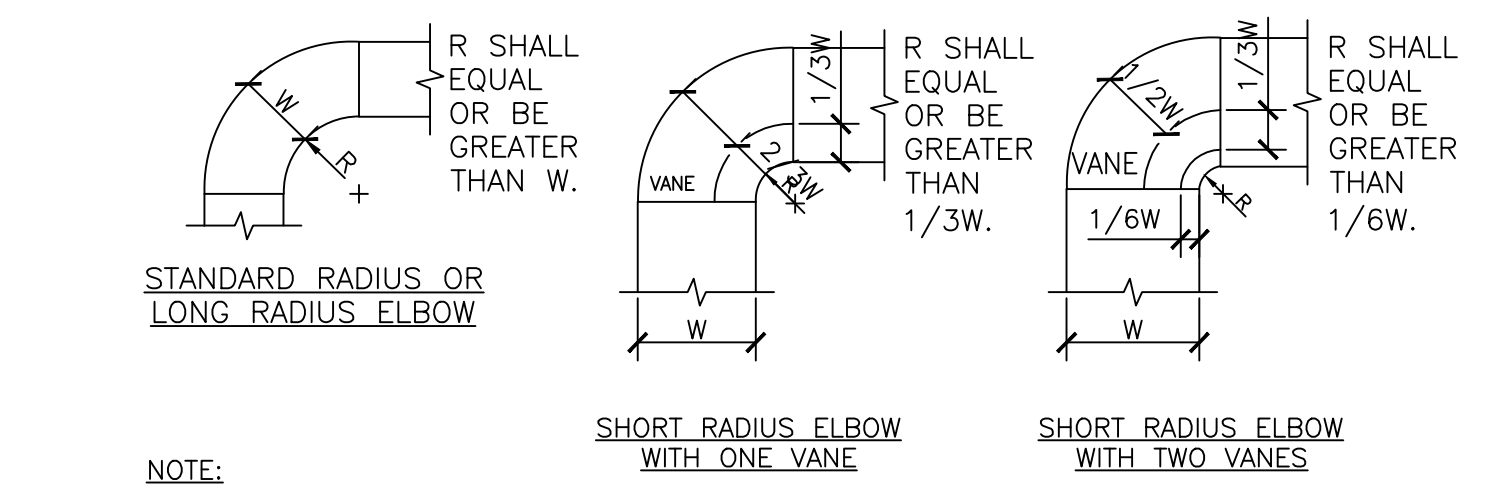
MAX. DUCT Ø IN.	QUANTITY/SIZE	MAX. LOAD LBS.	MAX. SPACING IN.
26	ONE 1 x 22 GA STRAP	260	144
36	ONE 1 x 18 GA STRAP	420	144
50	ONE 1 x 16 GA STRAP	700	144
60	TWO 3/8\"	1320	144
84	TWO 1/2\"	2500	144

NOTE: TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

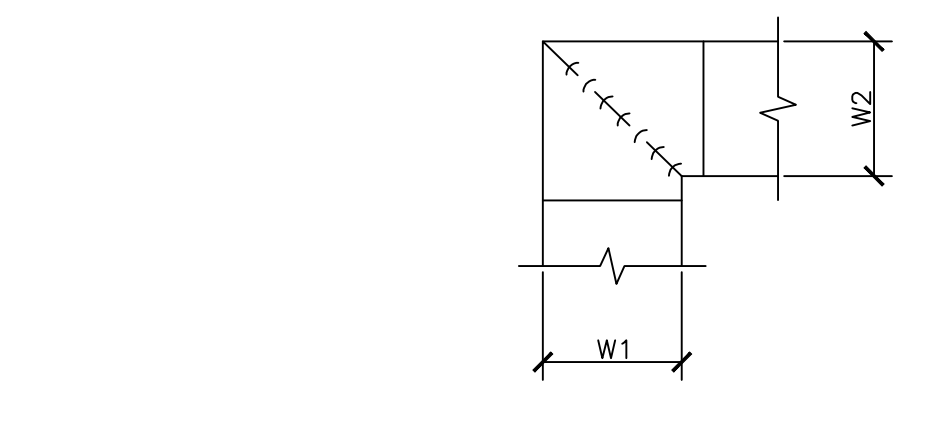
8 ROUND DUCT HANGERS
NTS



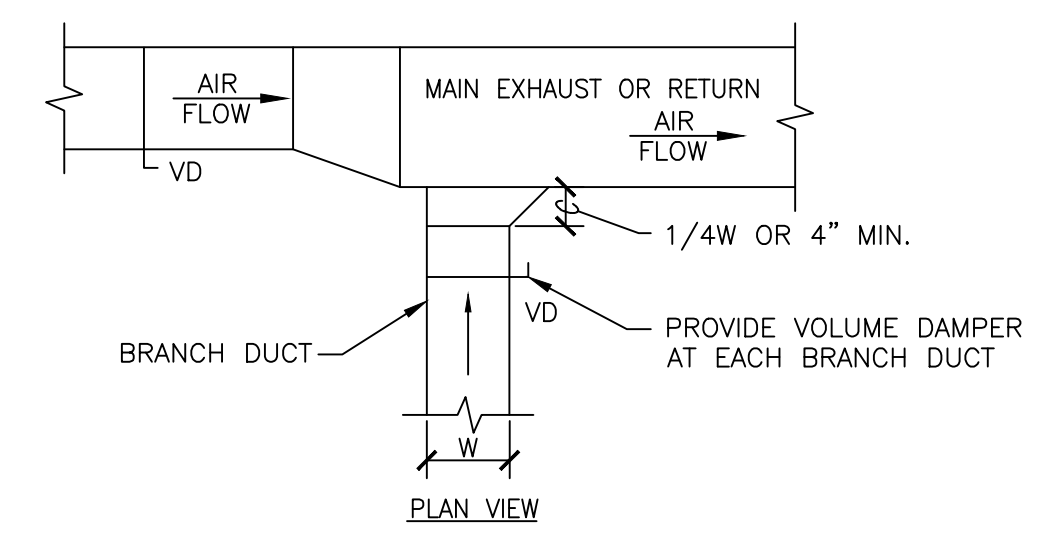
9 SECTION THRU FIRE DAMPER INSTALLATION
NTS



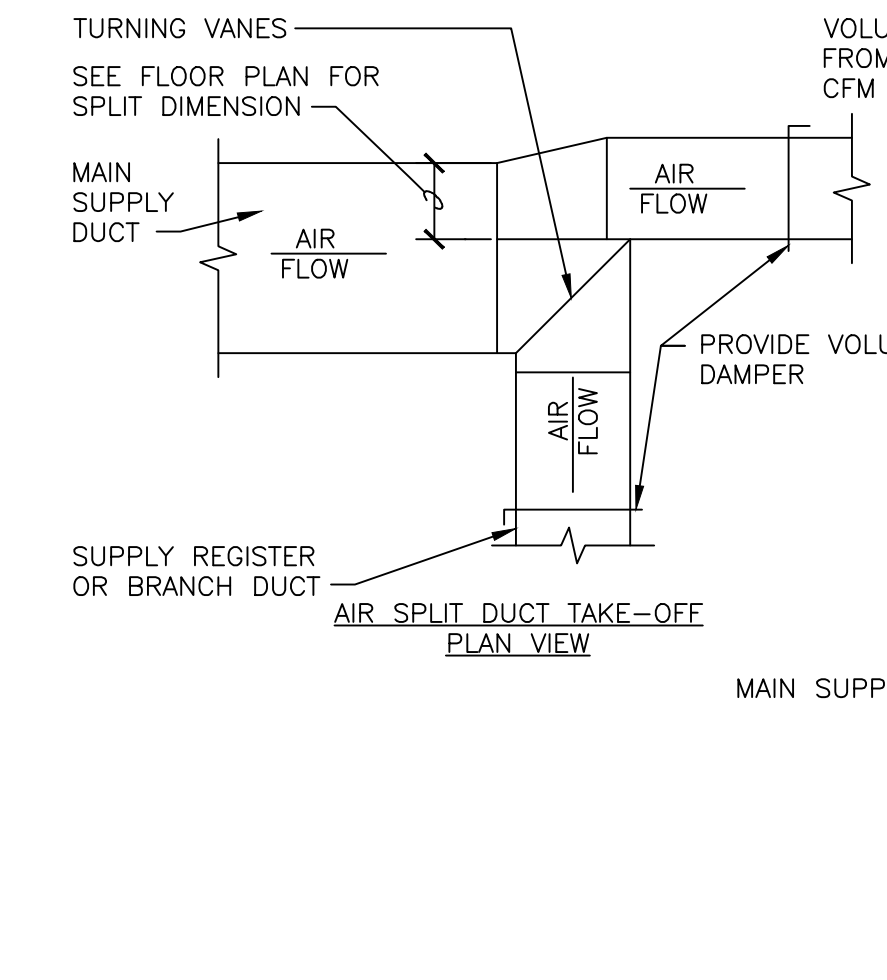
1 DUCTWORK RADIUS ELBOWS
NTS



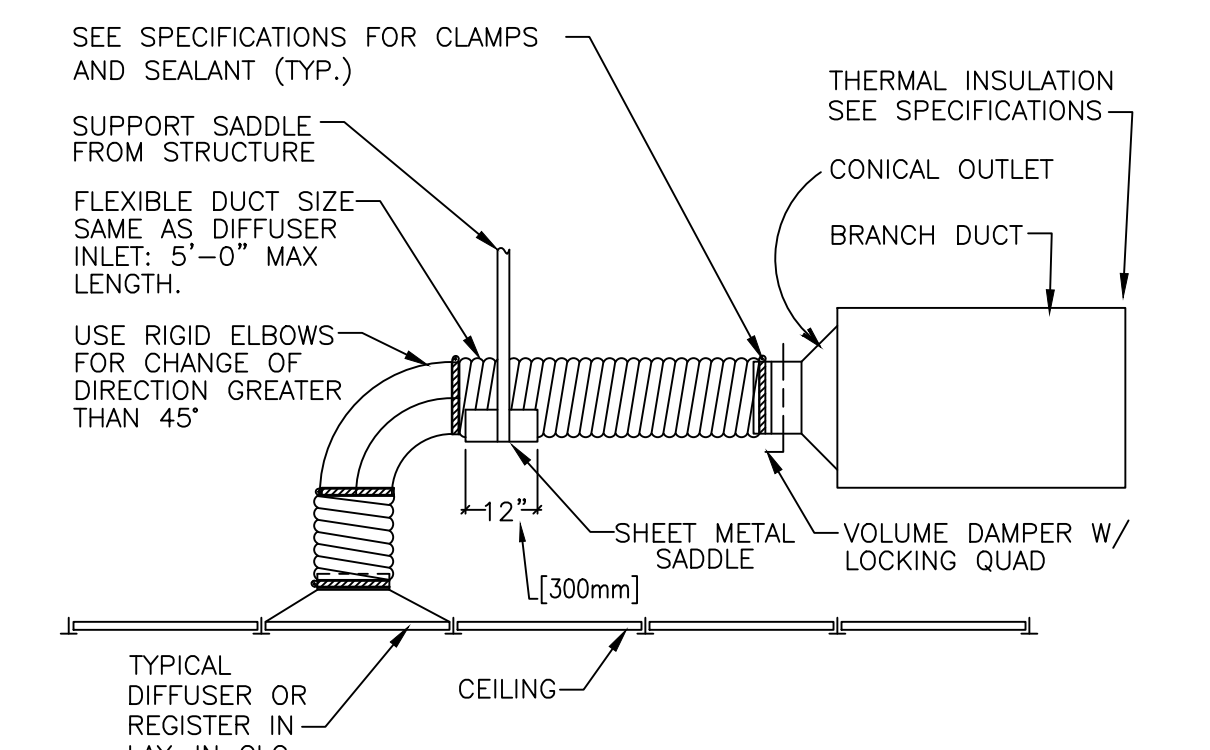
2 DUCTWORK SQUARE VANE ELBOWS
NTS



3 EXHAUST OR RETURN BRANCH DUCTWORK
NTS



4 SUPPLY DUCTWORK TAKE-OFFS
NTS



5 FLEXIBLE AIR DUCT CONNECTOR
NTS

<p>Dept. of Veterans Affairs Health Care System 2101 Elm Street North Fargo, ND 58102</p>	<p>JPK ENGINEERING, LLC 112 N. Univ. Dr. Suite 140 Fargo, ND 58102 (701) 866-8816</p>	<p>MBN ENGINEERING MECHANICAL • ELECTRICAL • CIVIL 503 7th St N, Suite 200 Fargo, ND 58102 PHONE: 701.478.6200 FAX: 701.478.6240</p>	<p>IMAGE GROUP INC. 403 CENTER AVENUE, SUITE 300 MOORHEAD, MN 56560</p>	<p>I hereby certify that this plan specification, or report was prepared by me or under my direct supervision, and that I am duly Registered Engineer under the laws of the State of North Dakota.</p> <p><i>Signature</i> Date: 09-15-17 Reg. No. PE-5629</p>	<p>KEY PLAN</p>	<p>Drawing Title HVAC DETAILS</p>	<p>Project Title UPGRADE BASEMENT DRY GOODS AIR CONDITIONING</p>	<p>Date SEPTEMBER 15, 2017</p>
						<p>VA Project No. 437-16-210</p>	<p>Contract No. 437-R75521</p>	<p>Scale SEE PLAN</p>
						<p>Building No. 1</p>	<p>AutoCAD File Name H5 - DETAILS.dwg</p>	<p>Location FARGO VA HEALTH CARE SYSTEM FARGO, ND</p>
						<p>Designed By JPK</p>	<p>Checked By RJS</p>	<p>Drawn By KAR</p>
<p>Revisions</p>	<p>Date</p>	<p>Drawing No. H5</p>	<p>Dwg. 7 of 9</p>					