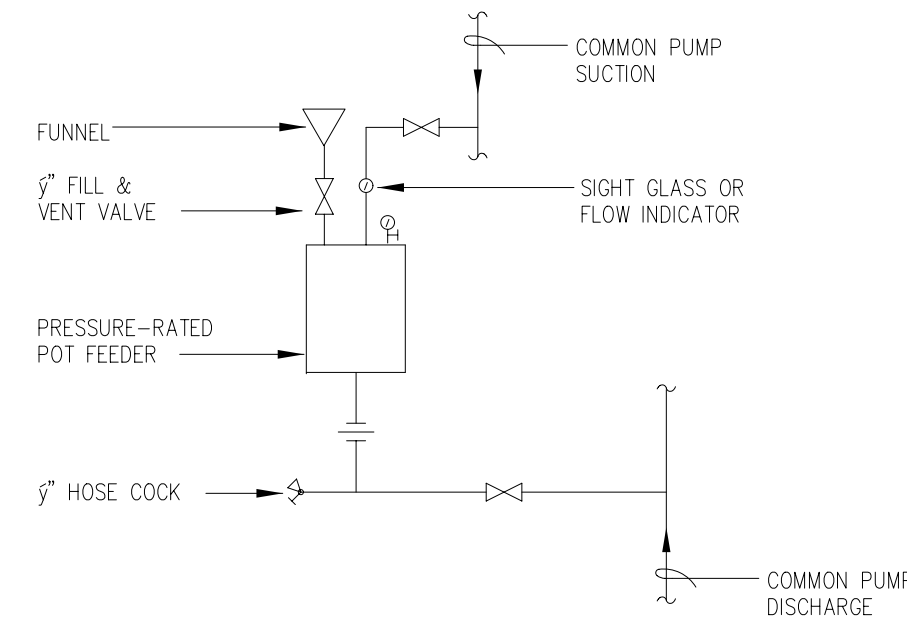
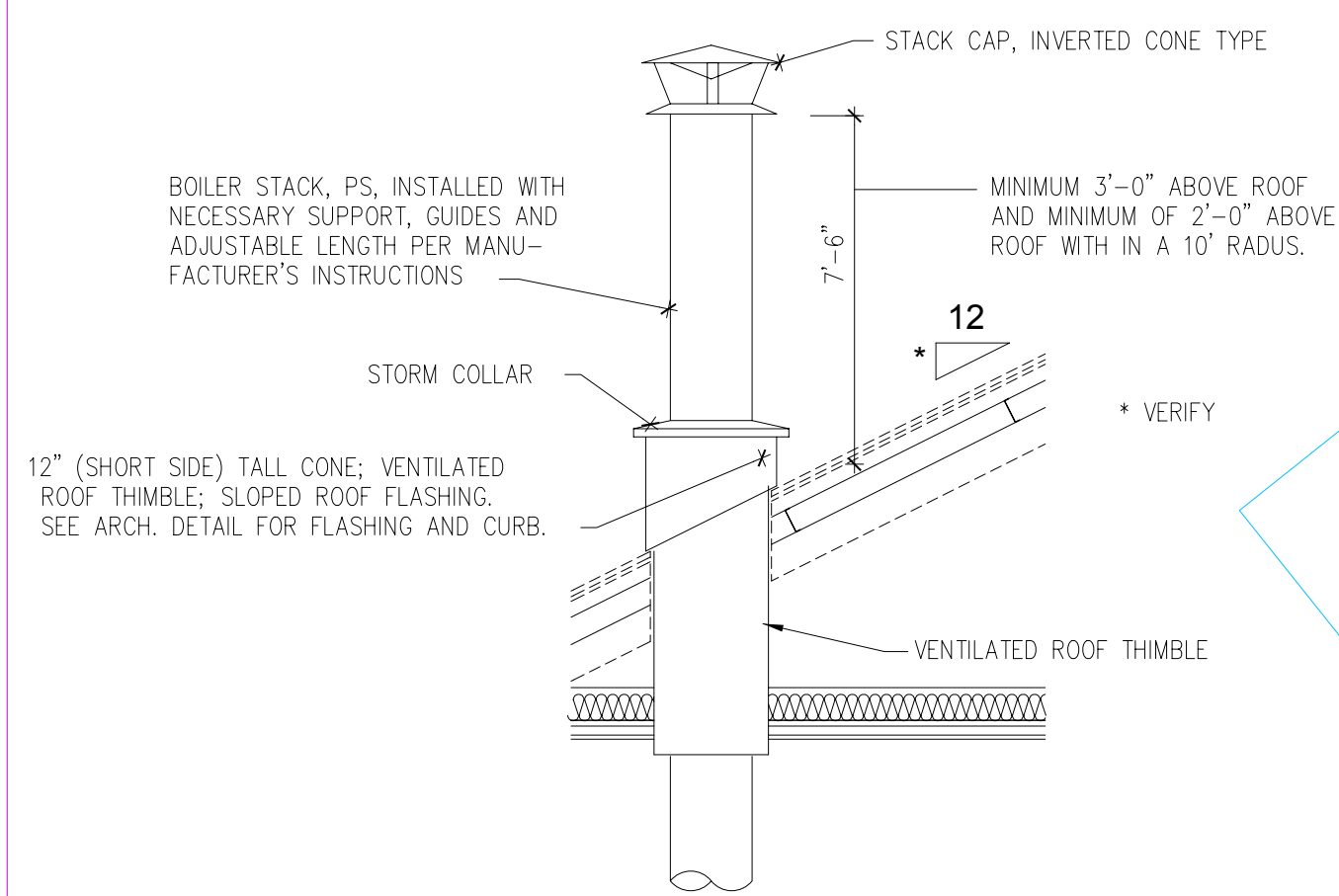


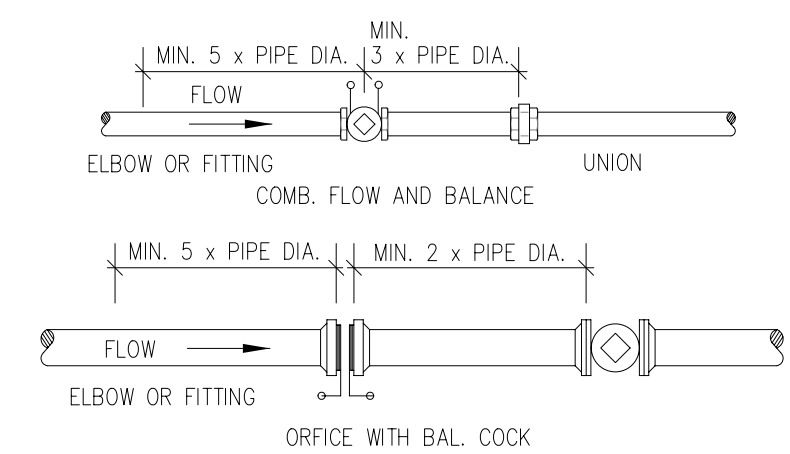
1 EXPANSION TANK & AIR SEPARATOR DETAIL
M1.4 NO SCALE



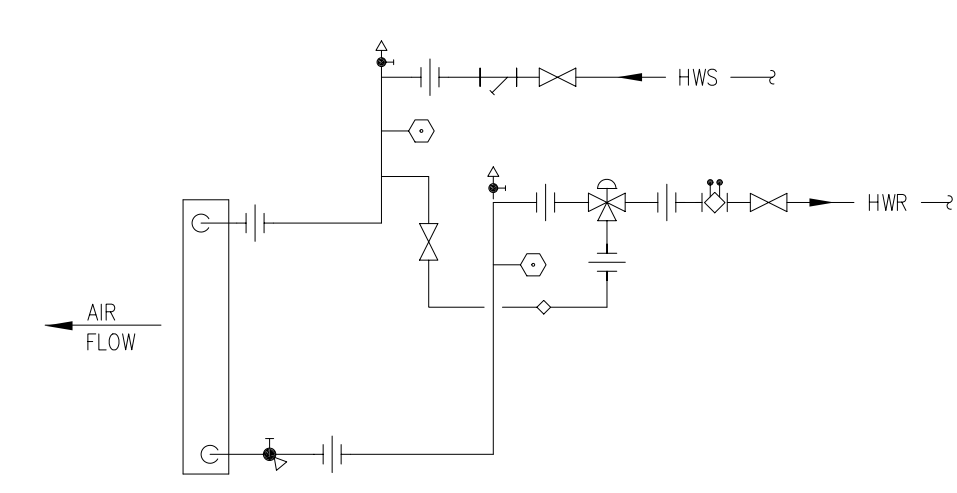
2 POT FEEDER DETAIL
M1.4 NO SCALE



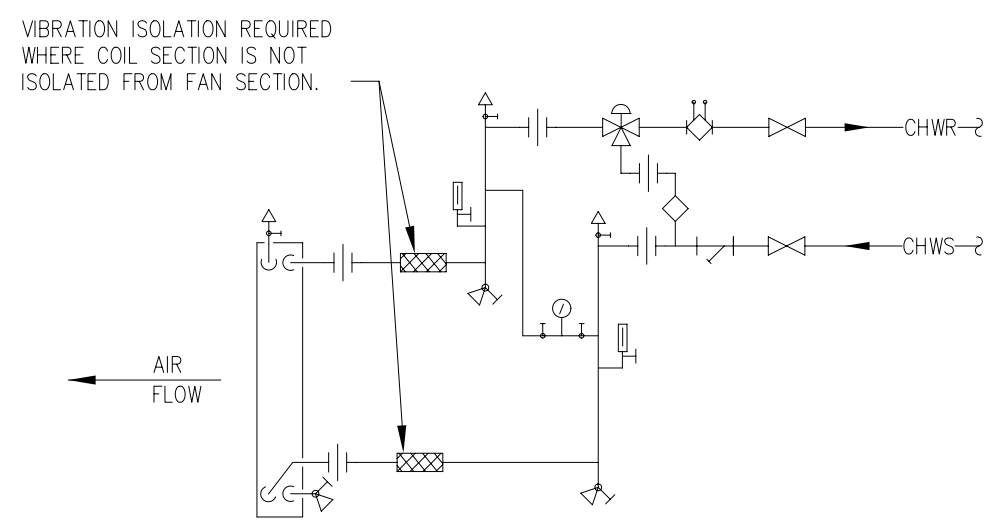
3 BOILER AND HOT WATER HEATER VENT
M1.4 NO SCALE



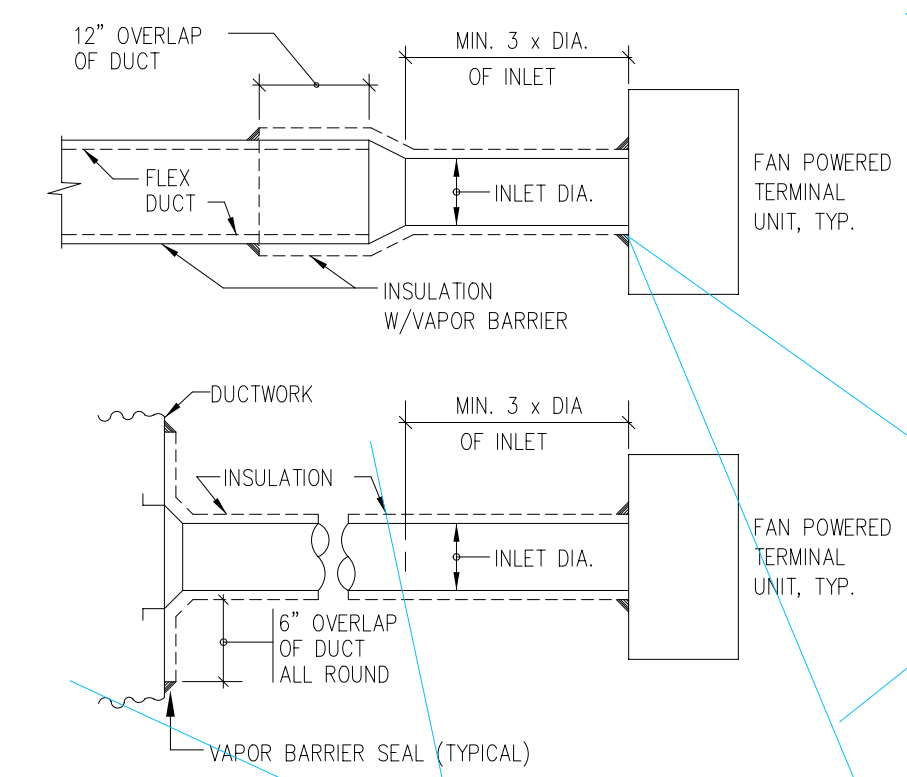
4 WATER BALANCE AND FLOW FITTINGS
M1.4 NO SCALE



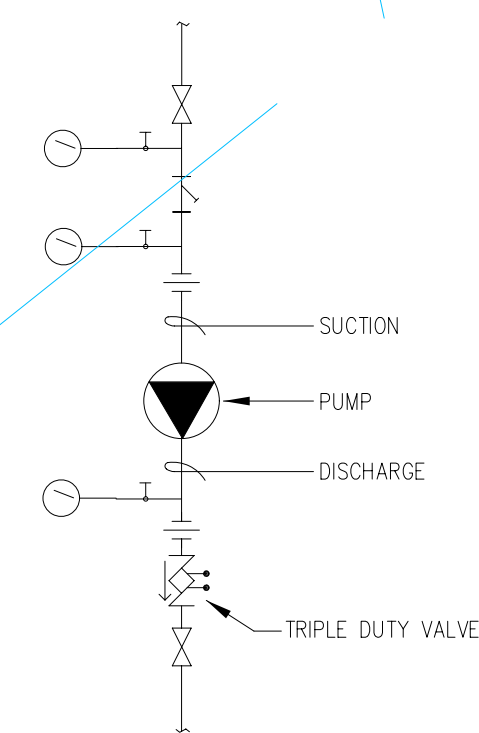
5 REHEAT COIL PIPING DETAIL
M1.4 NO SCALE



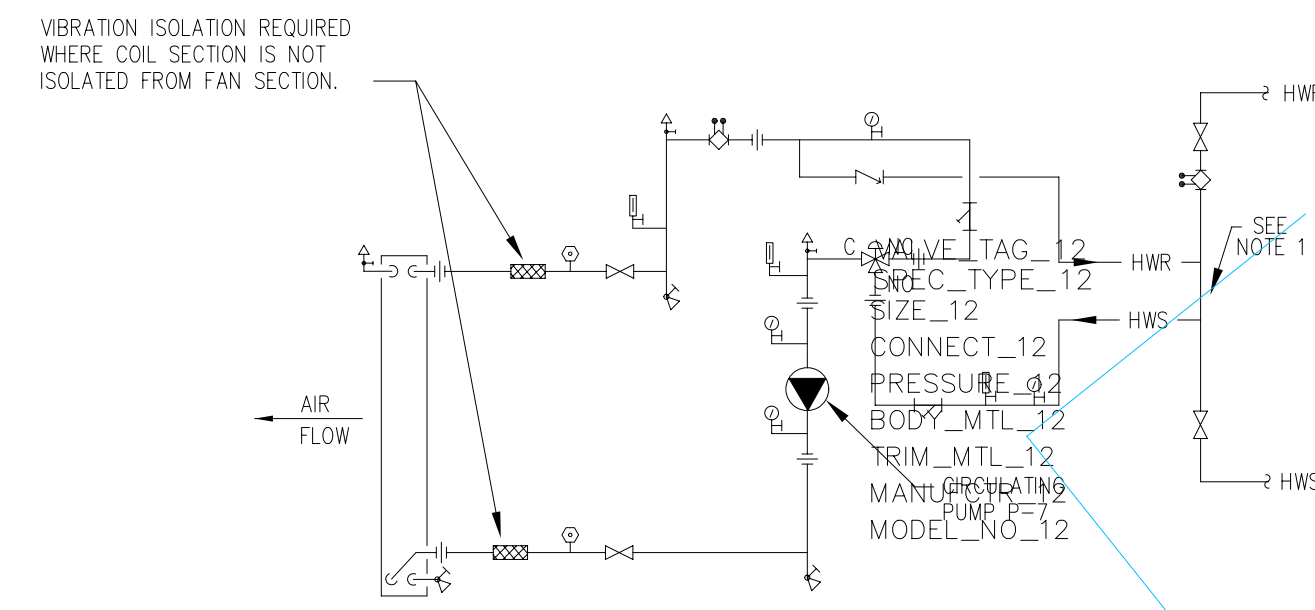
6 AHU COOLING COIL PIPING DETAIL
M1.4 NO SCALE



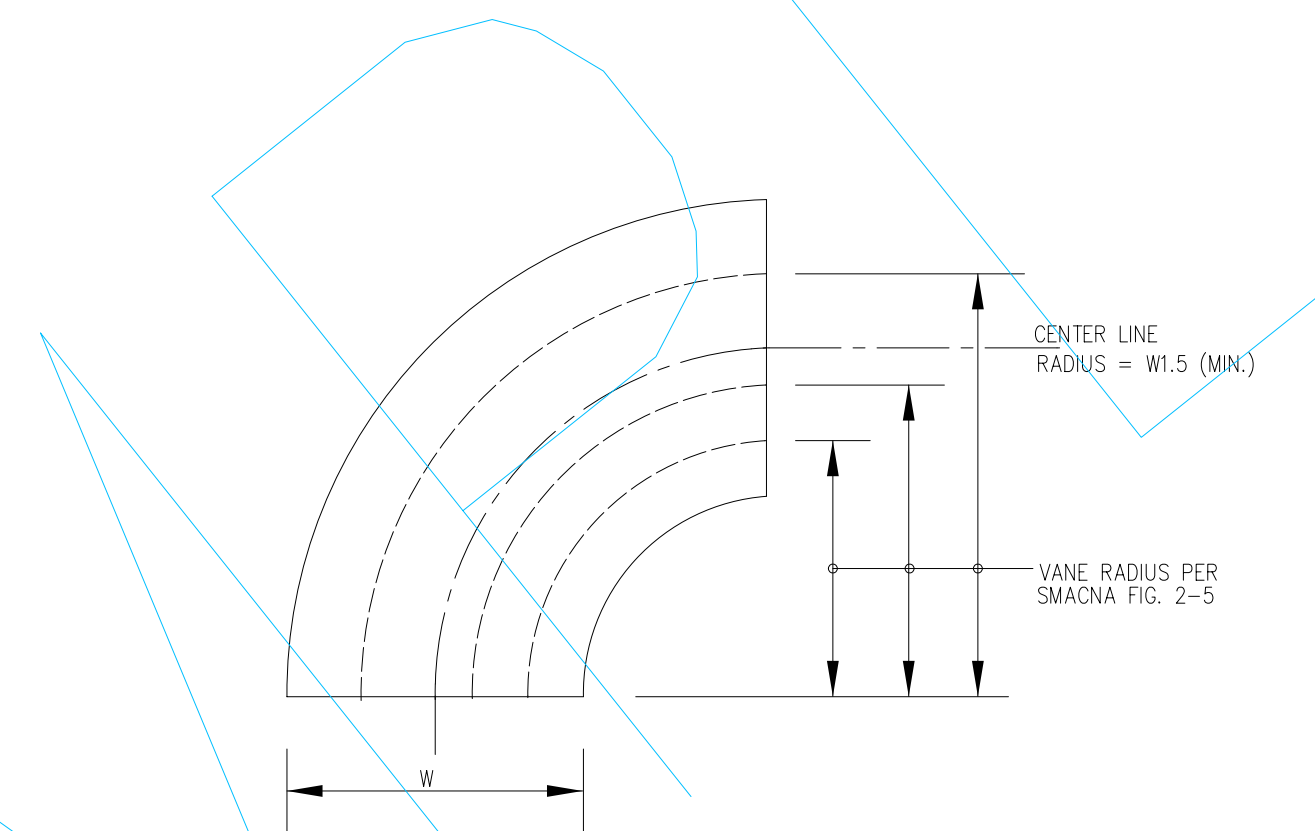
7 VAV TERMINAL UNIT DUCT CONNECTION & INSULATION DETAIL
M1.4 NO SCALE



8 IN-LINE PUMP DETAIL
M1.4 NO SCALE

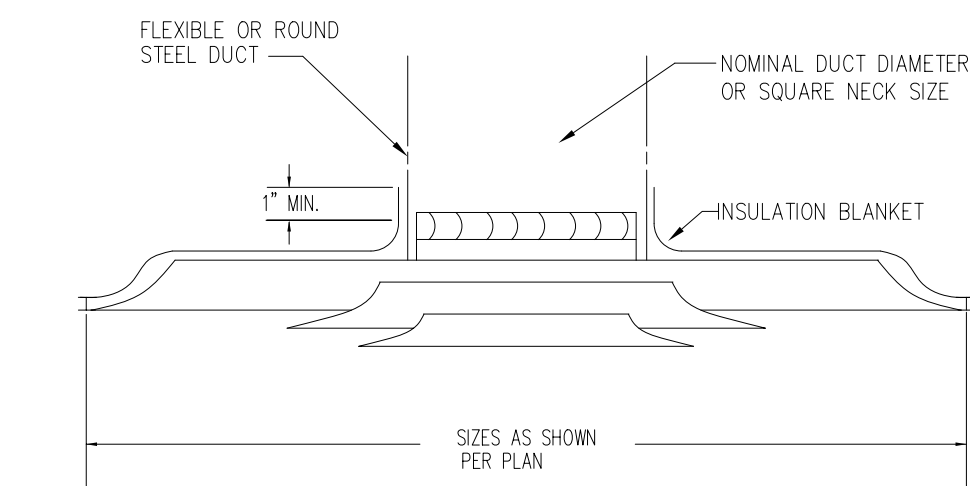


9 AHU HEATING COIL W/ CIRC PUMP (SINGLE COIL)
M1.4 NO SCALE

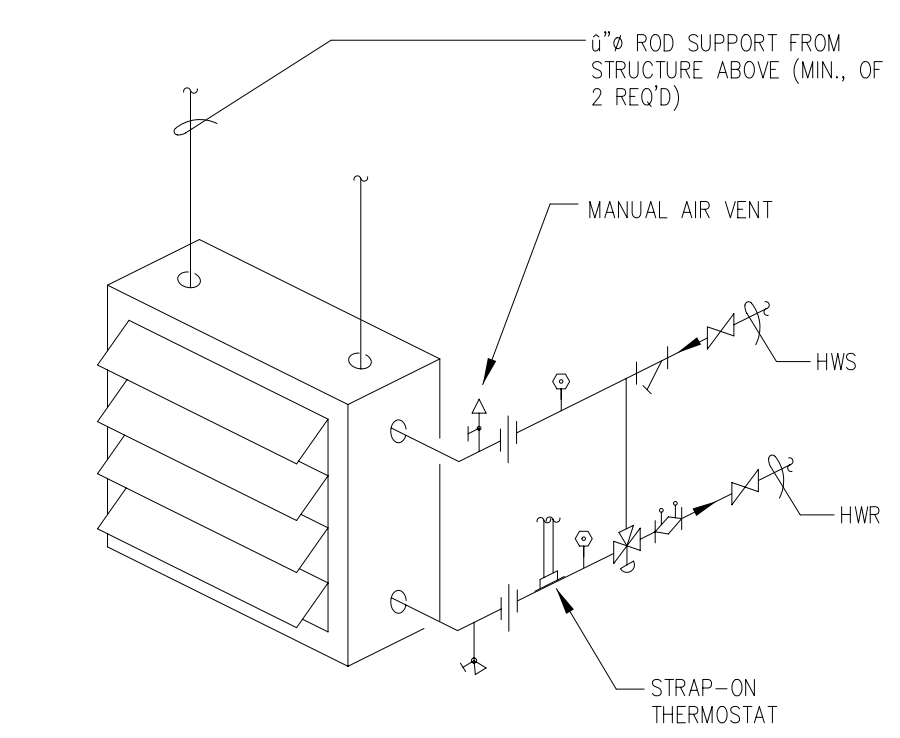


NOTES:
1. CONSTRUCT VANES PER SMACNA FIG. 2-6.
2. DETAILS SHOWN OR REFERENCED APPLY TO SQUARE DUCTWORK, RECTANGULAR DUCTWORK, AND FLAT OVAL DUCTWORK.
* FLAT OVAL DUCTWORK: OMIT THE FIRST (INSIDE) RADIUS VANE.

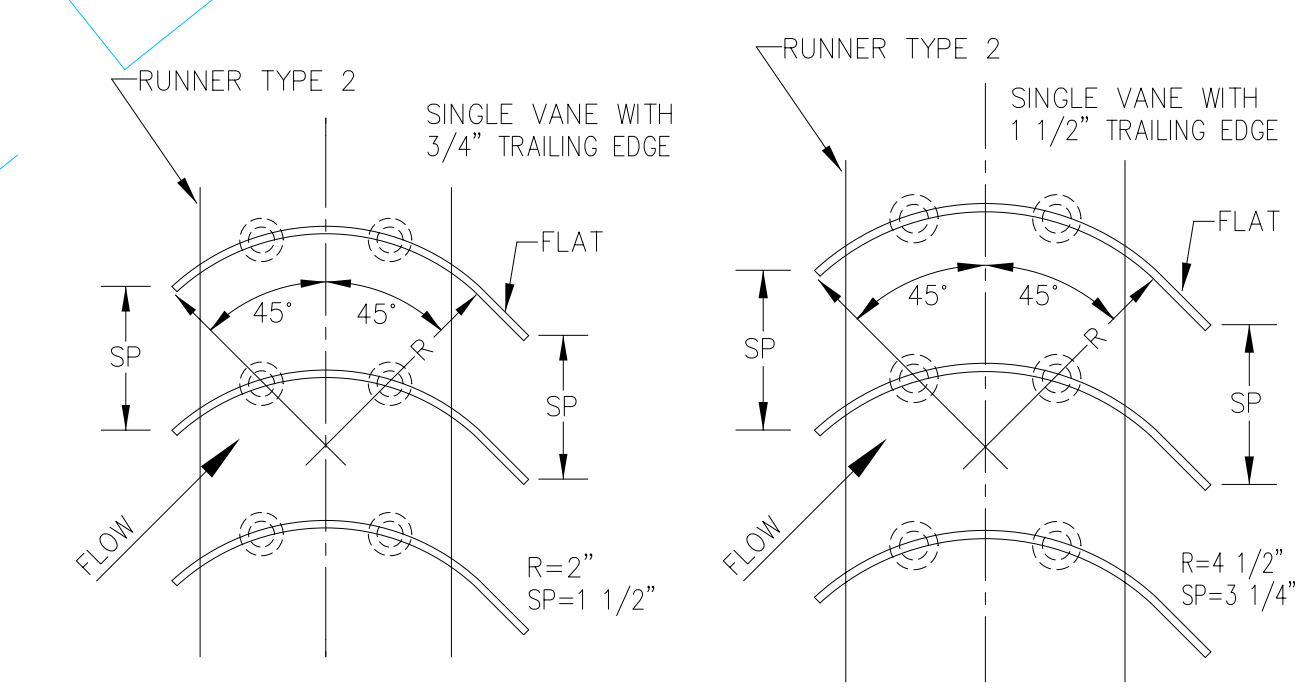
10 ROUND ELBOW TURNING VANES DETAIL
M1.4 NO SCALE



11 NEW INSULATED CEILING DIFFUSER
M1.4 NO SCALE



12 VERTICAL HOT WATER UNIT HEATER CONNECTION
M1.4 NO SCALE



TYPE 'A' TYPE 'B'

IF 'W' IS LESS THAN 12" USE TURNING VANE TYPE 'A'
IF 'W' EQUALS 12" OR GREATER USE TURNING VANE TYPE 'B'.

- NOTES:
- VANES SHALL BE 18 GA. UP TO AND INCLUDING 30" LENGTH. VANES GREATER THAN 30" LENGTH. SHALL HAVE INTERMEDIATE TIE RODS SPACED NOT GREATER THAN 24".
 - SECURELY ATTACH TURNING VANE ASSEMBLY TO DUCTWORK USING STEEL FASTENERS FOR GALV. DUCTWORK AND STAINLESS STEEL FASTENERS FOR ALL OTHER TYPES OF DUCTWORK.
 - RUNNERS SHALL BE 18 GA. MINIMUM FLAT STEEL MOUNTED FLUSH TO SIDE OF DUCT. THE MAX. ALLOWED SPACE BETWEEN RUNNER AND DUCT SHALL NOT EXCEED 1/16" NOR SHALL THE DUCTWORK DEFORMATION EXCEED 1/16".
 - ROUND AND FLAT OVAL ELBOWS OF THE SQUARE THROAT OR MITERED TYPES SHALL HAVE TYPE 'B' TURNING VANES. OMIT THE RUNNER AND WELD TURNING VANES TO THE SIDES OF ELBOWS.

13 SQUARE THROAT AND MITERED ELBOW TURNING VANE DETAIL
M1.4 NO SCALE

CONSULTANTS				
OWNER				
WWW.RDCADD.COM PHONE: 1-800-987-1876 FAX: 703-740-9160				
			MARK	
			DATE	
			DESCRIPTION	
			PROJECT NO.	
CAD DWG FILE:				
DRAWN BY:				
CHK'D BY:				
COPYRIGHT:				
SHEET TITLE				
SHEET				
OF				