

UPPER FLOOR SLAB

C-CHANNEL
NUT & WASHER (NON-CORROSIVE)

STEEL ROD

RUBBER BUSHING

EXPANSION VALVE

NEOPRENE RUBBER IN SHEAR LOOP TO PREVENT LIQUID ENTERING COMPRESSOR

SOLENOID VALVE

DUCT

SUPPLY AIR

FLEXIBLE CONNECTION

BLOWER

COIL

RETURN AIR

FILTER

DRAIN PAN

SEE DETAIL "A"

TRAP

OIL TRAP

DRAIN PIPE WITH INSULATION

SUCTION LINE WITH INSULATION

LIQUID LINE

DETAIL "A"

SUGGESTED METHOD OF ATTACHING REMOTE BULB TO SUCTION LINE 15.9mm (1/8") CO. AND SMALLER

45°

SUGGESTED METHOD OF ATTACHING REMOTE BULB TO SUCTION LINE 22.2mm (1/8") CO. AND LARGER

CONDENSING UNIT

LIQUID LINE SERVICE SHUT OFF VALVE

SIGHT GLASS

PITCH

PITCH

VIBRATION ISOLATOR

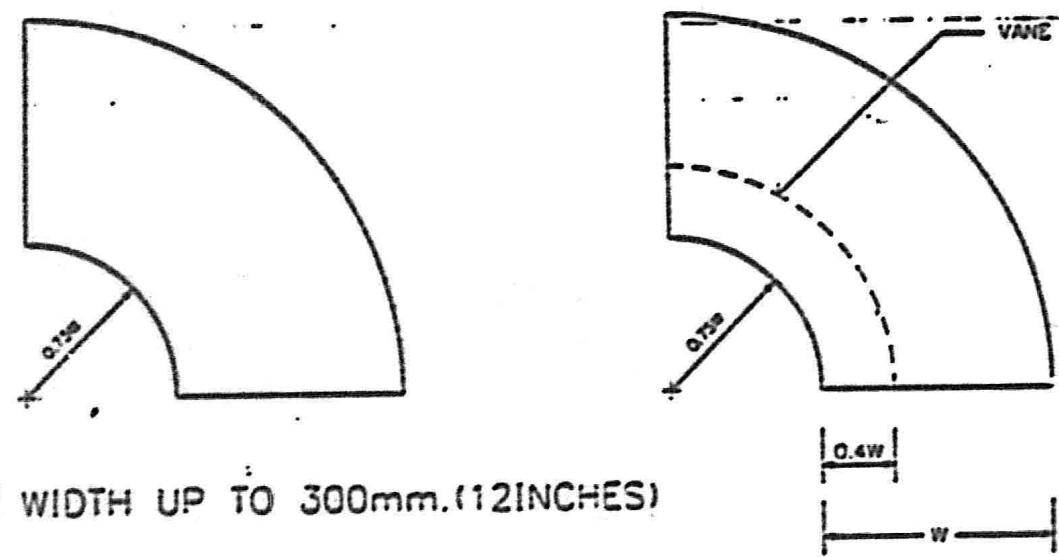
CONCRETE FOUNDATION

100mm.

LOWER FLOOR SLAB

FLARE CONNECTION TYPE FILTER DRIER

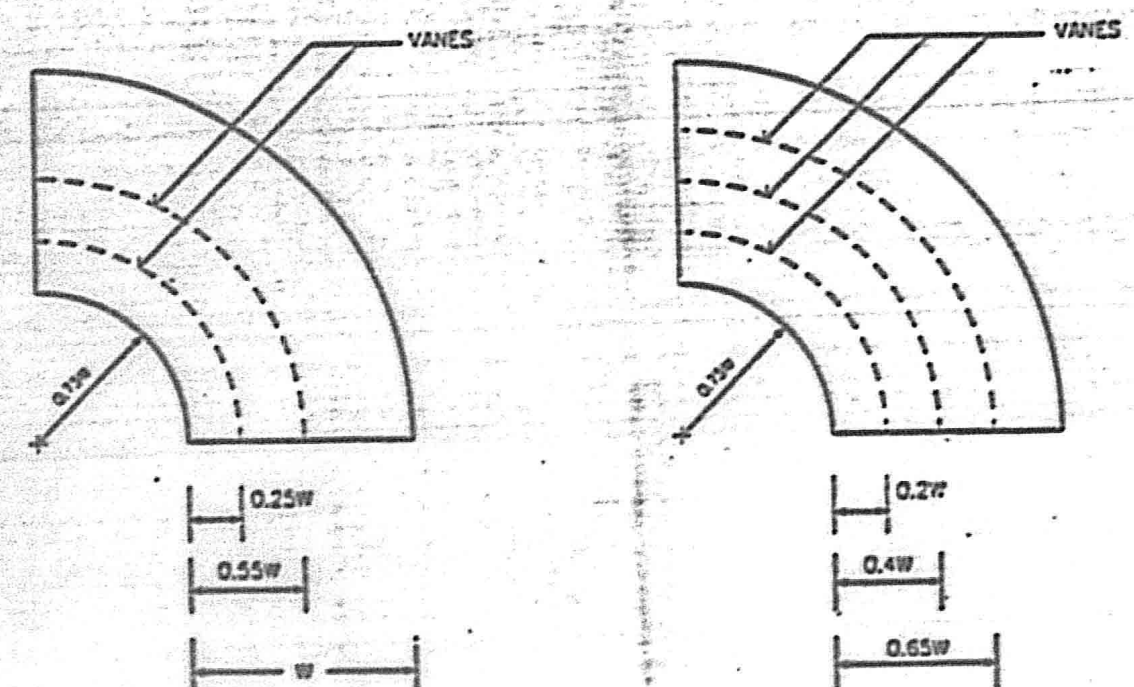
ROUND ELBOW TURNING VANES



DUCT WIDTH UP TO 300mm.(12INCHES)

DUCT WIDTH 325-500mm. (13-20 INCHES)

SINGLE VANE



DUCT WIDTH 525-1000mm. (21-40 INCHES)

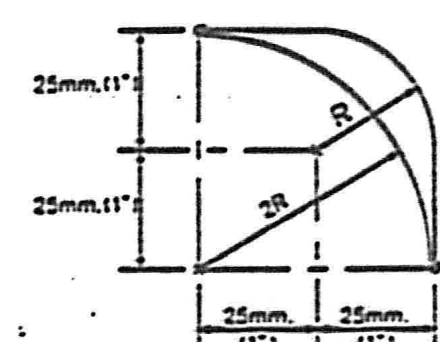
DUCT WIDTH 1025mm.
(41 INCHES AND LARGER).

MULTIPLE VANES

DIMENSION OF LONGEST SIDE OF DUCT	STEEL METAL GAUGES	AT JOINTS							mm. (IN)
		PLAIN'S SLIP(I)	HEMMED'S SLIP(I)	SLIP(I)		COMPAHION ANGLE (II)	REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS AND/OR INTERMEDIATE REINFORCING		
UP TO 300 (12")	(26GA)								
325-450 (13"-18")	(24GA)								
475-750 (19"-30")	(24GA)								25X25X3(11X11)/8 O1.20m.14"1CC.
775-1050 (31"-42")	(22GA)								25X25X3(11X11)/8 O1.20m.14"1CC.
1075-1350 (43"-54")	(22GA)								40X40X3 (11/2"X11/2"X11/2")/8 O1.20m.14"1CC.
1375-1500 (55"-60")	(20GA)								40X40X3 (11/2"X11/2"X11/2")/8 O1.20m.14"1CC.
1525-2100 (61"-84")	(20GA)								40X40X3 (11/2"X11/2"X11/2")/8 O1.20m.14"1CC.
2125-2400 (85"-96")	(18GA)								50X50X3 (2"X2"X1/4")/4 O0.50m.12"2CC.
OVER 2400 (96")	(18GA)								

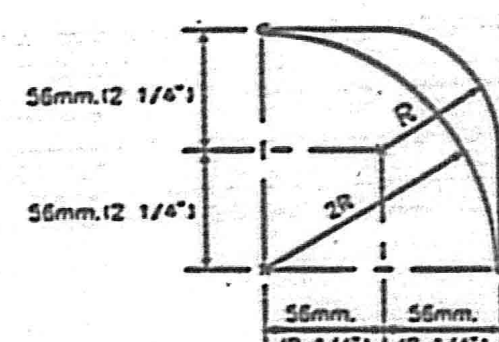
HEIGHT DIMENSION(UP TO 1050(42")=25(1")
HEIGHT DIMENSION(1075 TO 2400(45"-96")=40(1 1/2")
HEIGHT DIMENSION(OVER 2400(96")=50(2")

TURNING VANES



NOTE: NUMBER OF VANES REQUIRED EQUAL TO 3/4 TIMES DUCT WIDTH IN mm.(INCH)

VANES FOR DUCT SIZE UP TO 500mm.(20INCHES) WIDTH



NOTE: NUMBER OF VANES REQUIRED EQUAL TO 3/4 TIMES DUCT WIDTH IN mm.(INCH)

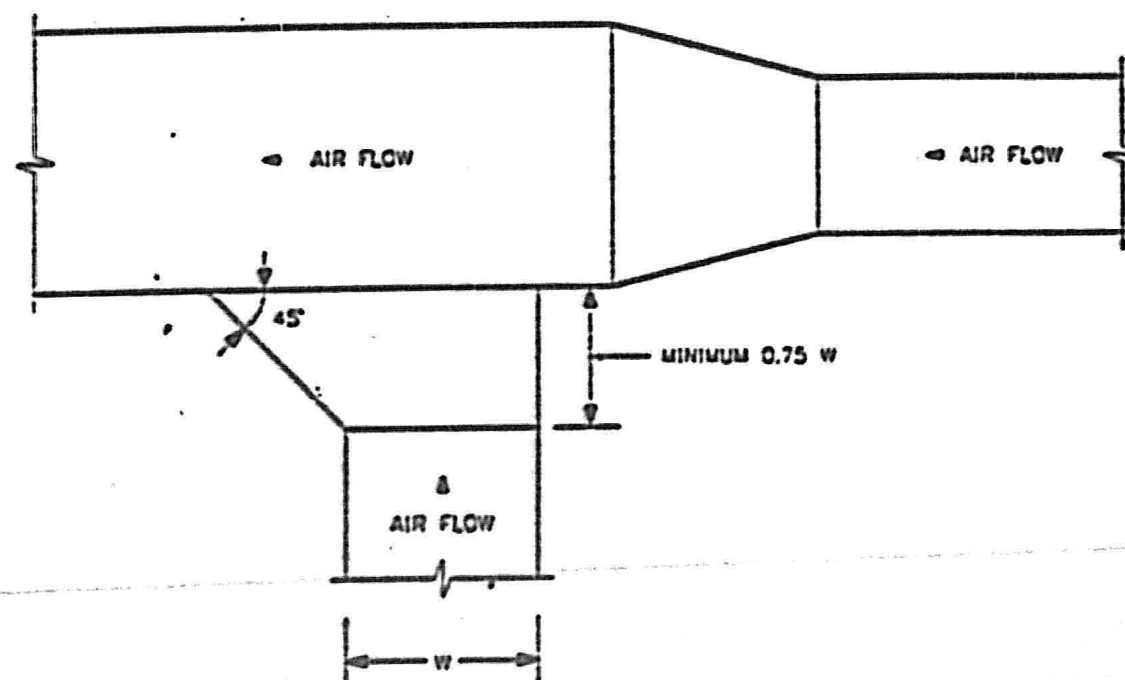
VANES FOR DUCT SIZE 525mm.(21INCHES) WIDTH AND LARGER.

GAUGE NO.	NOMINAL THICKNESS	
	MILLIMETERS	INCH
30	0.3988	0.0157
28	0.4750	0.0187
26	0.5512	0.0217
24	0.7010	0.0276
22	0.8534	0.0336
20	1.006	0.0396
18	1.311	0.0516
16	1.613	0.0635
14	1.994	0.0785

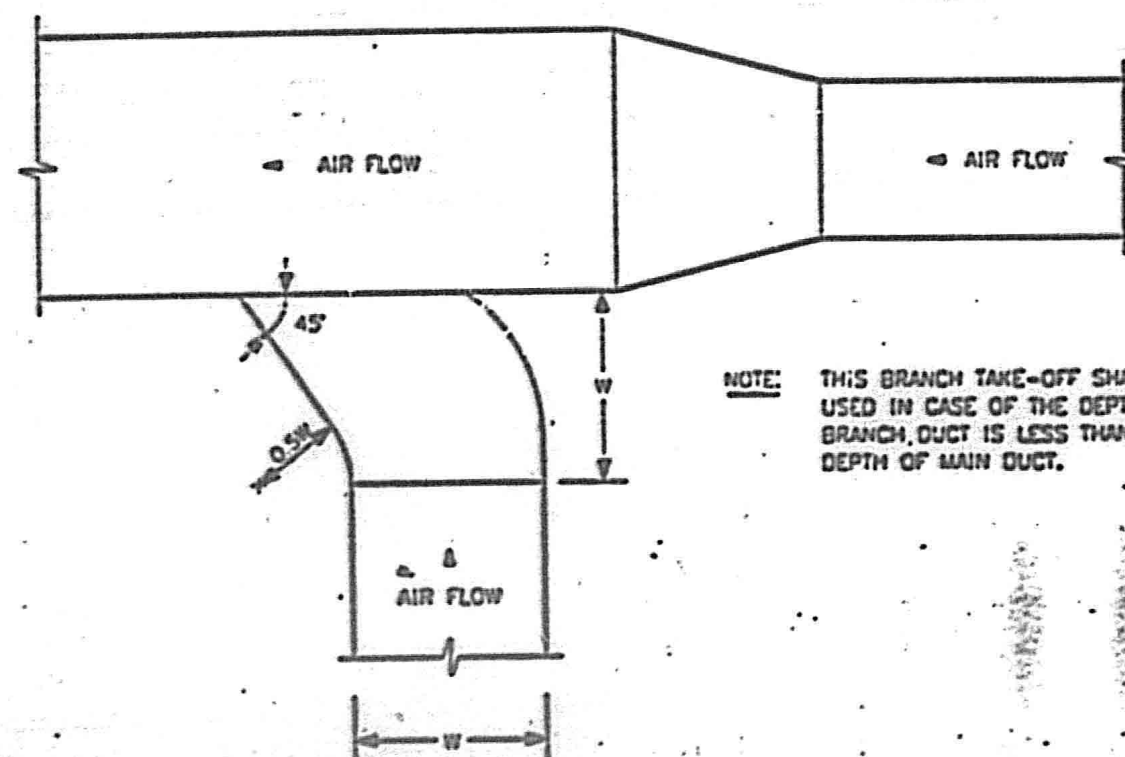
LONGEST DIMENSION OF JOIST mm.(IN)	HANGER RODS DIAMETER mm.(IN)	TRAPEZIE SHELF ANGLE mm.(IN)	MAXIMUM SPACING m.(FT)
UP THRU 450(18")	68(1 3/4")	25x25x31(1"x1"x1 1/8")	2.40(8')
475-750(19"-30")	90(3/8")	30X30X3 111/4"x11/4"x1 1/8")	2.40(8')
775-1050(31"-42")	90(3/8")	40X40X5 111/2"x11/2"x1 1/8")	1.80(6')
1075-1350(43"-54")	120(1 1/2")	50X50x61/2"x2"x1 1/4")	1.80(6')
1375-2100(55"-84")	120(1 1/2")	50X50x61/2"x2"x1 1/4")	1.20(4')
2125-2400(85"-96")	120(1 1/2")	75X75x61/2"x3"x1 1/4")	1.20(4')
OVER 2425(97")	120(1 1/2")	75X75x61/2"x3"x1 1/4")	1.20(4')

NOTE :
ALL SUPPORTS SHALL BE PAINTED WITH 2 COATS OF ANTI-RUST PAINT
AND 1 COAT OF FINISHED COAT OR AS SPECIFIED.

RETURN AND EXHAUST AIR DUCT BRANCH TAKE-OFF



BRANCH UP TO 500mm.(20") INCHES WIDTH



NOTE: THIS BRANCH TAKE-OFF SHALL BE USED IN CASE OF THE DEPTH OF BRANCH DUCT IS LESS THAN THE DEPTH OF MAIN DUCT.

BRANCH 525mm.(21") INCHES WIDTH AND LARGER

[illegible]