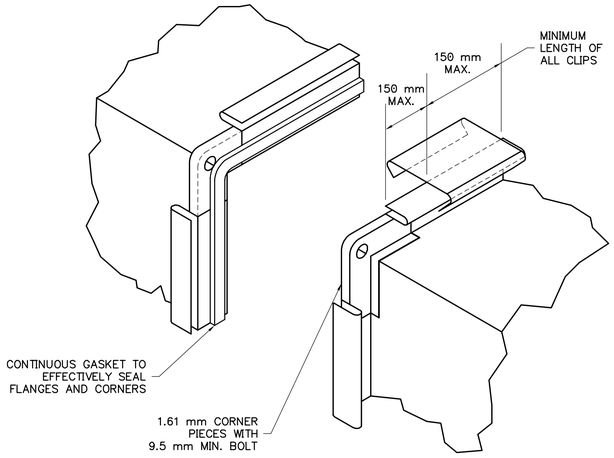
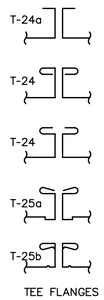
SHEET: CoW-A1-WMO (1/2002)



NOTES:

SECURELY ATTACH ADDITIONAL METAL CLIPS ON FLANGES AT 380 mm MAXIMUM CENTRES FOR 750 Pa STATIC OR LESS AND AT 300 mm MAXIMUM CENTRES FOR HIGHER PRESSURES. 0.85 mm MINIMUM.

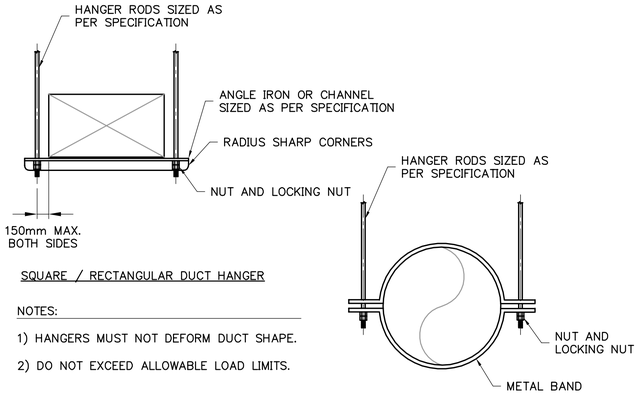
CONTINUOUS CLEATS MAY BE USED.



TEE FLANGES

1 M7.04 SQUARE/RECTANGULAR DUCTWORK CONSTRUCTION DETAIL

SCALE N.T.S.



SQUARE / RECTANGULAR DUCT HANGER

NOTES:

1) HANGERS MUST NOT DEFORM DUCT SHAPE.

2) DO NOT EXCEED ALLOWABLE LOAD LIMITS.

ROUND DUCT HANGER

2 M7.04 DUCTWORK SUPPORT AND HANGER DETAIL

SCALE N.T.S.

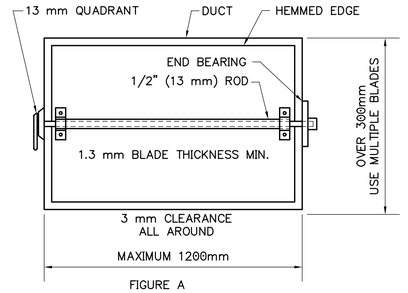


FIGURE A

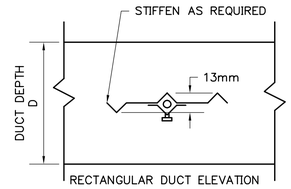


FIGURE A
SIDE ELEVATION

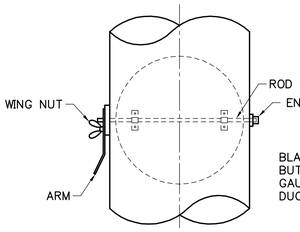


FIGURE B
ROUND DAMPER

BLADE THICKNESS 0.7 mm BUT NOT LESS THAN TWO GAUGES MORE THAN THE DUCT GAUGE

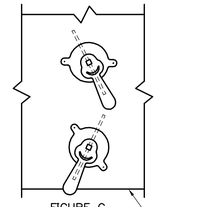
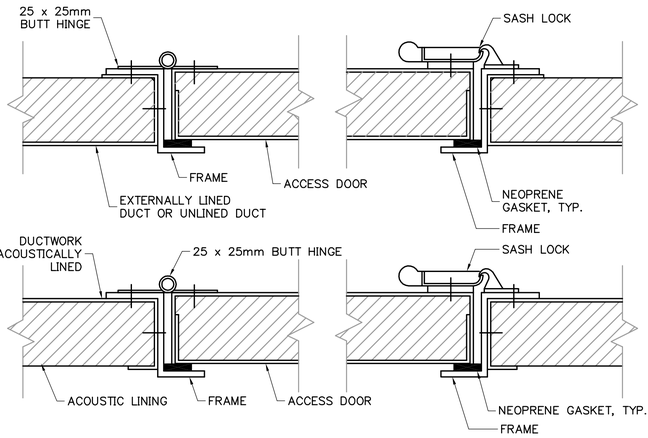


FIGURE C
ELEVATION
TWO BLADE ARRANGEMENT

3 M7.04 BALANCING DAMPER DETAIL

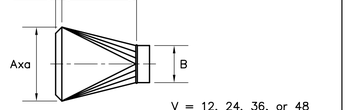
SCALE N.T.S.



STATIC PRESSURE RATING	DOOR SIZE	HINGE QTY.	LOCK QTY.	METAL GAUGE		
				FRAME	DOOR	BACK
500 Pa & LESS	300 x 300 400 x 500 600 x 600	2 2 3	1-S 2-S 2-S	24 22 22	26 24 22	26 26 26
UP TO 750 Pa	300 x 300 400 x 500 600 x 600	2 2 3	1-S 1-S,1-T,1-B 2-S,1-T,1-B	22 20 20	22 20 20	26 26 24
1000 Pa to 2500 Pa	300 x 300 400 x 500 600 x 600	2 3 3	1-S,1-T,1-B 2-S,1-T,1-B 2-S,2-T,2-B	20 20 18	20 18 18	26 24 24
S: SIDE OPPOSITE HINGE, T: TOP, B: BOTTOM						

4 M7.04 DUCT ACCESS DOOR DETAILS

SCALE N.T.S.

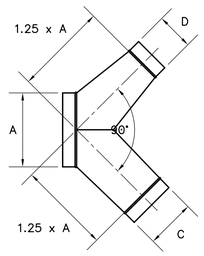


V = 12, 24, 36, or 48

A = MAJOR AXIS OF RECTANGULAR SIDE

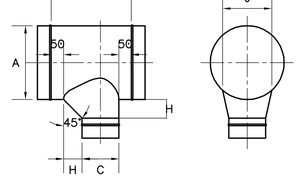
a = MINOR AXIS OF RECTANGULAR SIDE

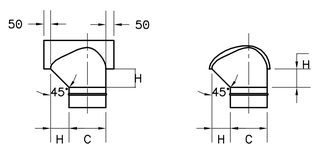
SQUARE-TO-ROUND OR FLAT OVAL



MAXIMUM C or D = A

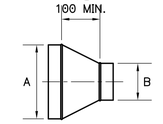
TAPERED Y-BRANCH



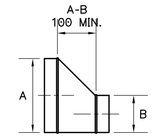


C (mm)	H (mm)
75-200	75
225-410	150
435-610	225
635 UP	300
J = C + 50 (for C <= A-2) J = C (FOR C > A-50 to C = 50)	

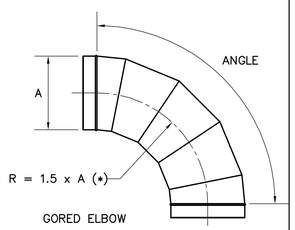
TAKE-OFFS



CONCENTRIC REDUCER



ECCENTRIC REDUCER



GORED ELBOW

ANGLE	# OF GORES
0-45°	3
46-75°	4
76-90°	5

* FOR DIFFUSER DROPS
R = 0.6 x A

5 M7.04 ROUND AND FLAT OVAL DUCT FITTINGS

SCALE N.T.S.

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2005

NO.	REVISIONS	DATE	BY
	B.M. ELEV.		
0	ISSUED FOR TENDER	05/02/18	JEH

EARTH TECH
Earth Tech (Canada) Inc. Winnipeg, Manitoba 204.477.5381

DESIGNED BY PL	CHECKED BY AMA
DRAWN BY DL	APPROVED BY DT
HOR. SCALE: AS NOTED VERTICAL SCALE: AS NOTED	RELEASED FOR CONSTRUCTION BY: T. KJARTANSON
DATE 2005/01/04	DATE 2005-02-18

ENGINEER'S SEAL

ORIGINAL SIGNED BY

P.V. LAITINEN

FEB. 18/05

CONSULTANT DRAWING NO.
66303D-CM7.04

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NEWPCC - SECONDARY EFFLUENT UV DISINFECTION FACILITY

MECHANICAL
VENTILATION DETAILS
SHEET 1 OF 2

CITY FILE NUMBER

SHEET 13 OF 18

CITY DRAWING NUMBER

Feb 21, 2005 - 12:41pm PLOTTED BY: jorge.ducharme LAYOUT:Layout1 FILE:L:\work\66000\66303D\ls\02a-CAD\ALL\SUBMISSION\TENDER-PDF\CM7-04.dwg