



REV.	DESCRIPTION	DATE	DRAWN	APP'D
0	APPROVED FOR CONSTRUCTION	4/30/97	JAL	
1	GASKET WAS FIBERGLASS; DES TEMP WAS 750°F	1/16/98	JAL	
2	ADDED 38" Ø DATA TO TABLE	5/22/98	CAM	

"A" NOM. PIPE SIZE	"B" DIA.	"C"	"D"
12	21	16	10 3/4
14	22 1/2	20	11 1/2
16	24 1/2	20	12 1/2
18	26 1/2	24	13 1/2
20	28 1/2	24	14 1/2
22	30 1/2	28	15 1/2
24	32 1/2	32	16 1/2
30	38 1/2	36	19 1/2
34	42 1/2	40	21 1/2
36	44 1/2	40	22 1/2
38	46 1/2	44	23 1/2
42	50 1/2	44	25 1/2

OPERATING TEMP (FLUE GAS)	1800 °F
DESIGN TEMP (FLUE GAS)	2100 °F
OPERATING TEMP (EXP JOINT)	350°F
DESIGN TEMP (EXP JOINT)	500 °F
OPERATING PRESSURE	< 14 INCHES H2O
DESIGN PRESSURE	56 INCHES H2O
TEST PRESSURE	N/A

ITEM	QTY.	DESCRIPTION
1	1	FLEXSPAN ULTRACHEM DP/S COMPOSITE BELT, 11" WIDE X "B" DIA. (SEE TABLE), WITH TEFLON TAPE GASKET. "PATHWAY DOVER CO.", OR EQUAL
2	4	2" WIDE X 3/8" THK. GALVANIZED BACKING BARS, ASTM A-36
3	2	4" X 3" ROLLED ANGLE OR PLATE, MATERIAL TO MATCH CROSS OVER DUCT.
4	"C"	3/8"-16 UNC X 1 1/4" LG. ASTM A-193 B7 HEX HEAD BOLTS W/ 3/8"-16 A-194 2H HEX NUTS, AND 3/8" F436 NOM DIA. PLAIN WASHER ELECTROPLATED ZINC

- NOTES:**
1. COMPLETED EXPANSION JOINT TO BE CLEAN AND FREE OF ALL LOOSE & FOREIGN MATTER.
 2. BACKING BAR SET TO BE HOT DIP GALVANIZED.
 3. FABRIC BELT TO SHIP PREPARED FOR FIELD SPLICE. BELT BOLT HOLES TO BE FIELD DRILLED.

ISSUED FOR USE ON :		UNLESS OTHERWISE SPECIFIED	SIGNATURES	DATE
PROJECT #		DIMENSIONS ARE IN INCHES	DRAWN	5/22/98
CUSTOMER:		TOLERANCES ARE	CHECKED	5/22/98
LOCATION:		2 PL. DECIMALS ± .005	ENGINEERING	5/22/98
APPROVALS	APP'D DATE	3 PL. DECIMALS ± .002		
INITIATED BY:		ANGLES ± 0.2°		
ENGINEERING:		FRACTIONS ± 1/32		
PROJECT:				
APP'D PART# OR SIZE :				

Thermatrix

CLIENT: EXHAUST GAS HANDLING ENGINEERING STANDARD

PROJECT: FLUE GAS DUCT EXPANSION JOINT DETAIL

SCALE: N/A

SIZE: D

PROJECT NO: 500-M99-31

SHEET 1 OF 1

CAD FILE: PL/FRAME TIME DATE DWG