

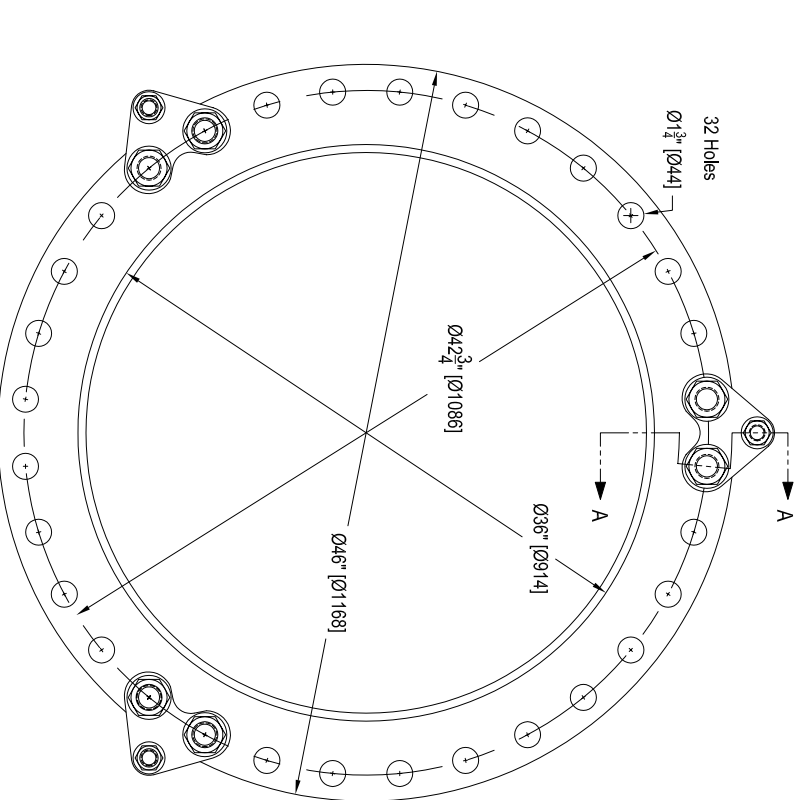
Not to Scale

SECTION A-A

EXPANSION JOINT QUANTITY - 8

TAG NUMBERS	
10PAB01AS110	
10PAB01AS111	
10PAB02AS110	
10PAB02AS111	
20PAB01AS110	
20PAB01AS111	
20PAB02AS110	
20PAB02AS111	

MATERIALS OF CONSTRUCTION	
TUBE	EPDM
FABRIC REINFORCEMENT	POLYESTER TIRE CORD
METAL REINFORCEMENT	C1035 HIGH TENSILE STEEL
COVER	EPDM
ISOLATION GROMMETS	PTFE
RETAINING RINGS (8 Segments/flange)	ASTM A536 DUCTILE IRON ASTM A123 HOT DIPPED GALVANIZED
TIE PLATES	ASTM A536 DUCTILE IRON ASTM A123 HOT DIPPED GALVANIZED
TIE ROD	ASTM A193 B7 ALLOY ASTM A123 HOT DIPPED GALVANIZED
TIE ROD NUTS	ASTM A194 2H ASTM A123 HOT DIPPED GALVANIZED
SPHERICAL WASHERS	ANSI 316 STAINLESS STEEL
TIE PLATE STUDS	ASTM A193 B7 ALLOY ASTM A123 HOT DIPPED GALVANIZED
TIE PLATE STUD NUTS	ASTM A194 2H ASTM A123 HOT DIPPED GALVANIZED



EXPANSION JOINT SUBMITTAL DATA

DESIGN PRESSURE	500 kPa(g) (80 psig)
TEST PRESSURE	750 kPa(g) (109 psig)/FV
TEMPERATURE RATING	121°C (250°F)
VACUUM RATING	-90 kPa(g) (26.5 in. Hg)
ASSEMBLY WEIGHT	138 kg (303 lbs)
COMPRESSION SPRING RATE	2660 lb./in
ELONGATION SPRING RATE	3250 lb/in
LATERAL SPRING RATE	2680 lb/in
FLANGE DRILLING	AWMA C207 Class D
FLANGE OUTER DIA.	1168 mm (46")
BOLT CIRCLE DIA.	1086 mm (42 3/4")
BOLT HOLES	32 - Ø44 mm (1 3/4")
ACTUAL INSIDE DIA.	914 mm (36")
FACE TO FACE LENGTH	305 mm (12")
RETAINING RING THK.	9.5mm (3/8")
CONTROL UNIT SUBMITTAL DATA	
TIE RODS DIA.	25 mm (1")
TIE ROD LENGTH	686 mm (27")
NO. TIE RODS	3
RUBBER FLANGE WIDTH	19 mm (3/4")
TIE PLATE THICKNESS	16 mm (5/8")
GUSSET HARDWARE SUBMITTAL DATA	
TIE PLATES STUD DIA. QUANTITY	38 mm (1 1/2"-8 UN) 12 (PER EU)
TIE PLATE NUTS QUANTITY	38 mm (1 1/2"-8 UN) 24 (PER EU)
TIE PLATE WASHERS QUANTITY	38 mm (1 1/2") 24 (PER EU)

ALL TOLERANCES AS PER FLUID SEALING ASSOCIATION STANDARDS

DRAWING TITLE:	DN9000 EXPANSION JOINTS		
PROJECT NAME:	Tai-1 Tam Power Station - Taiwan Power		
SUPPLIER:	CTCI CORPORATION		
MANUFACTURER:	Tough Group International Co., Ltd.		
DRAWN BY:	RICC, DOROVANNI	APPROVED BY:	
DATE:	1-17-2005	SHEET:	1 of 1
SIZE:	P2 NO. C	SUBMITTAL DWG NO.:	GS-407
	1BD		



general rubber
The Expansion Joint Company