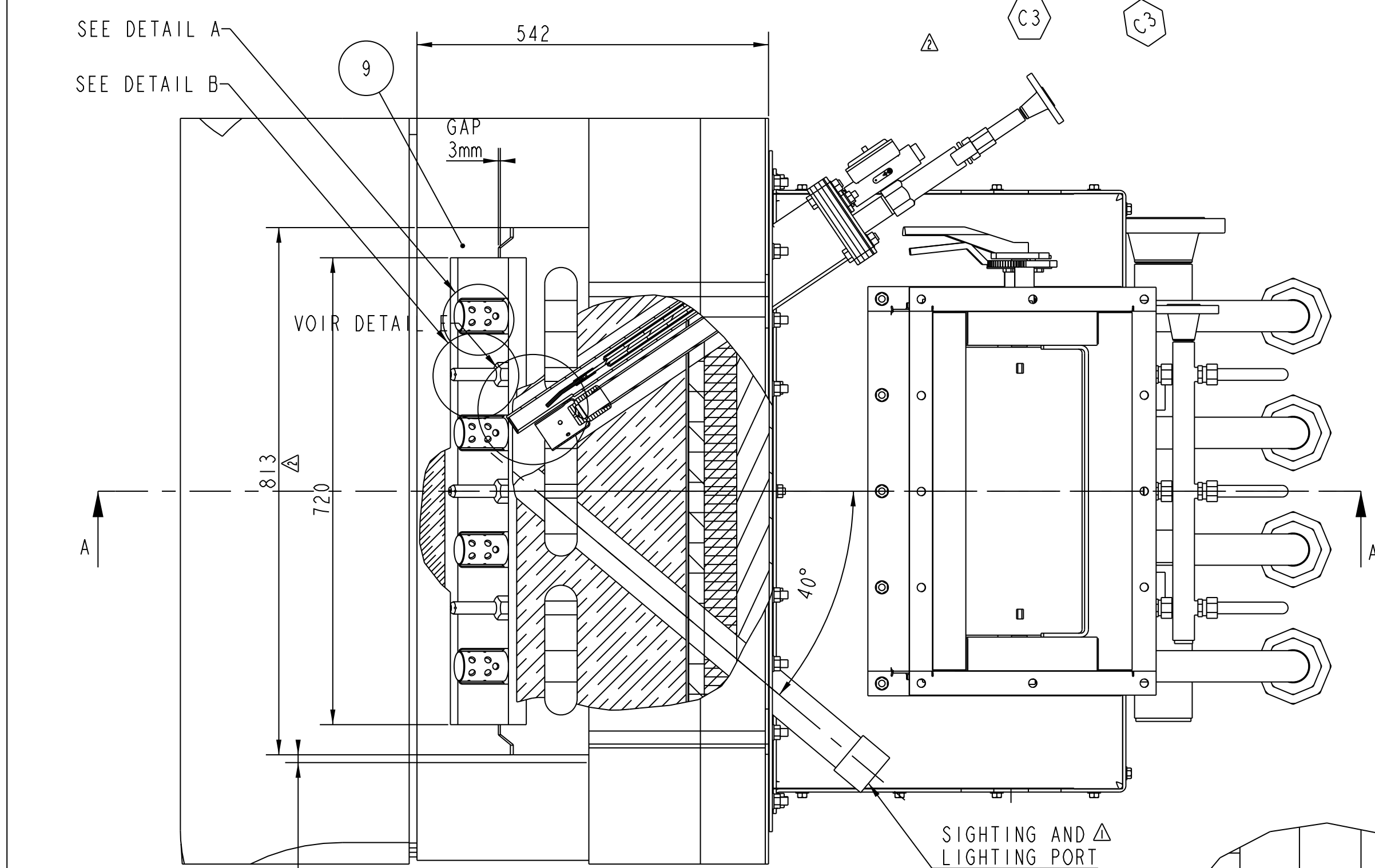
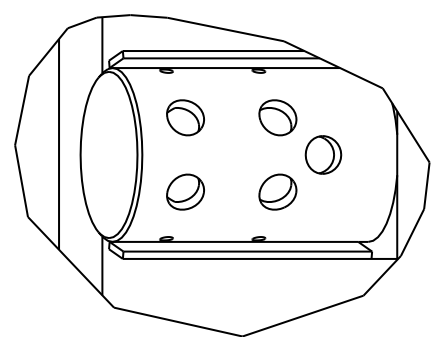
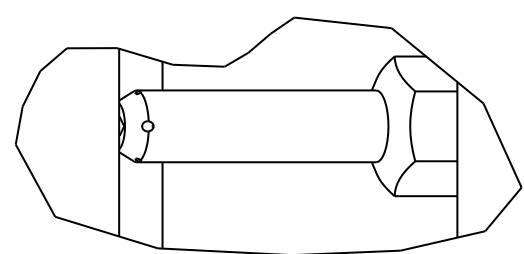




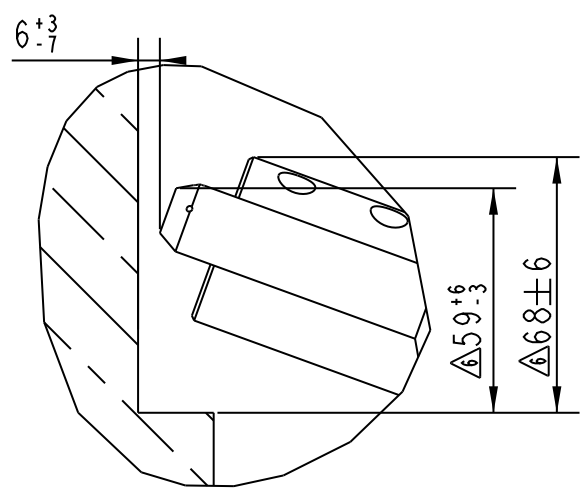
SECTION B-B



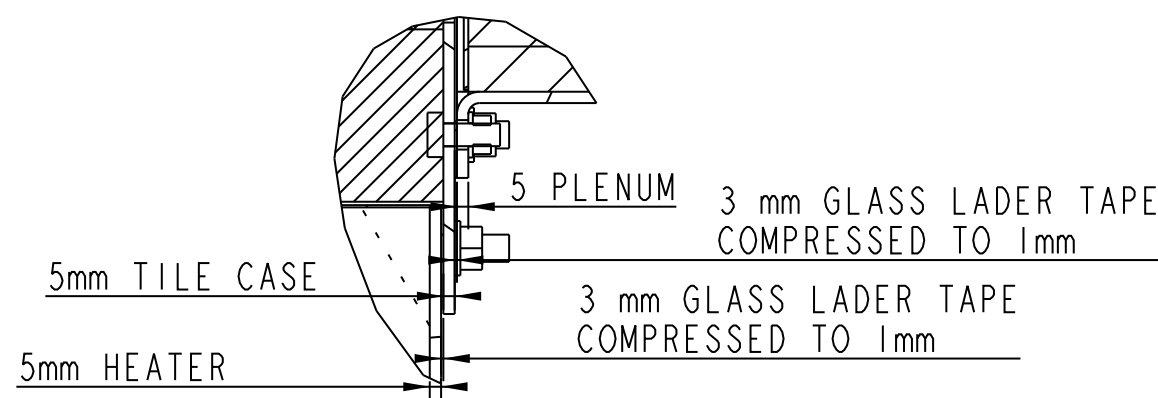
PSA GAS TIP
DETAIL A



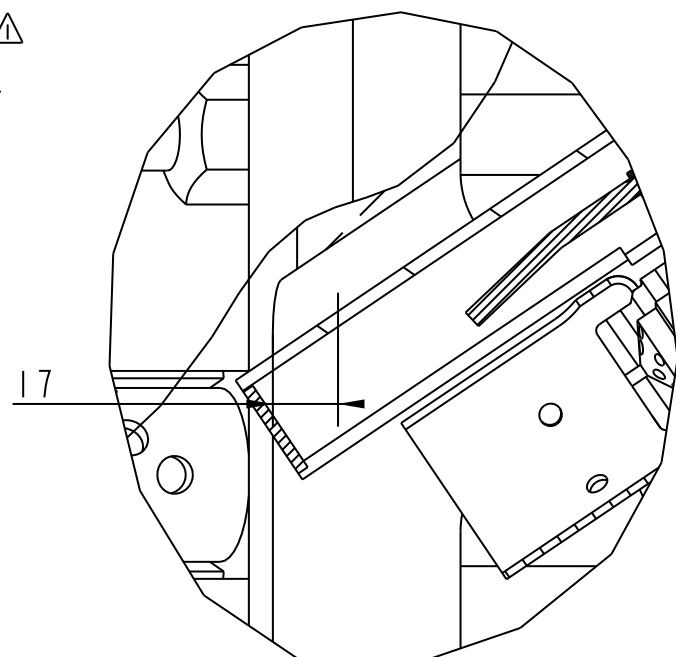
REFINERY GAS TIP
DETAIL B



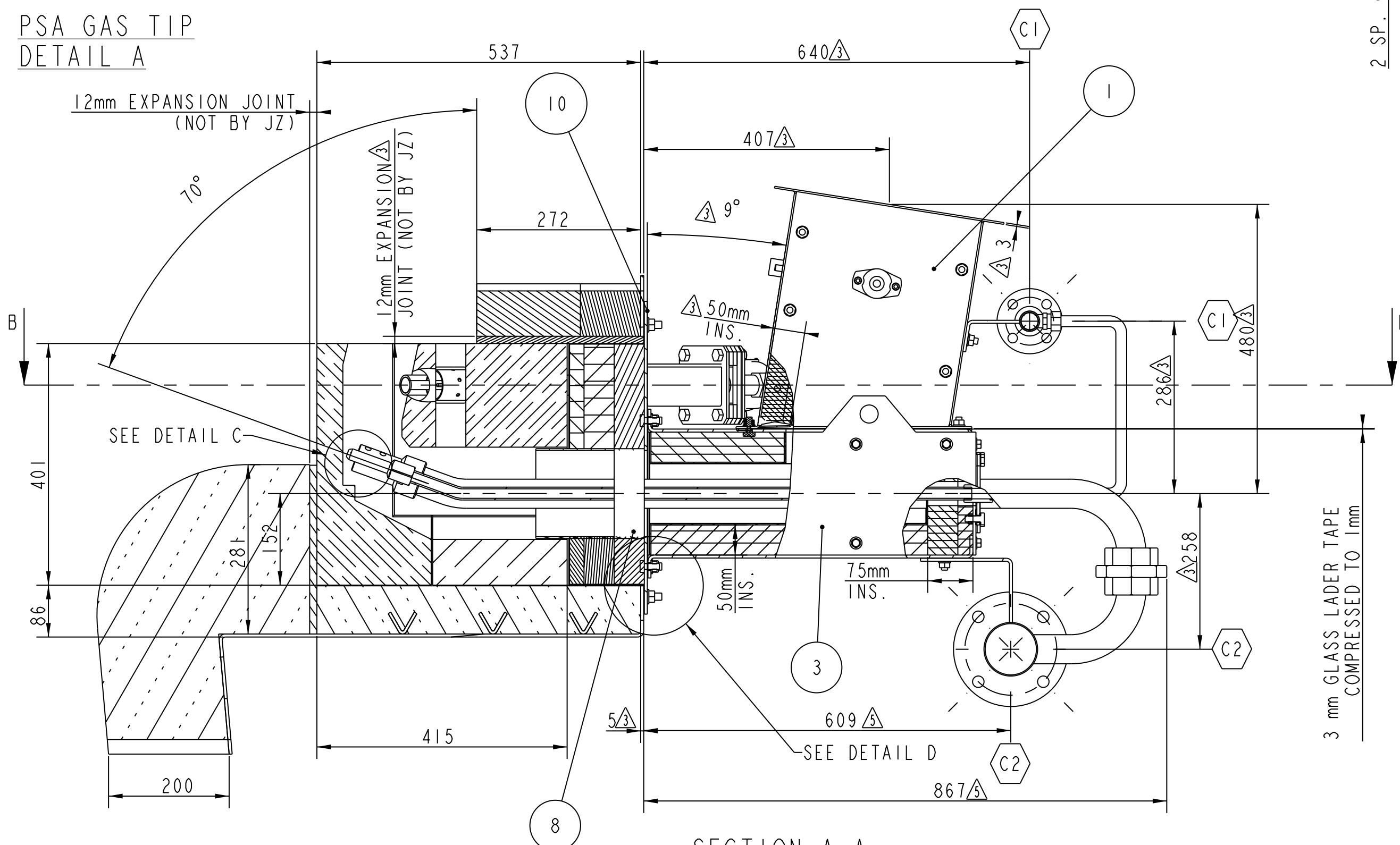
DETAIL C



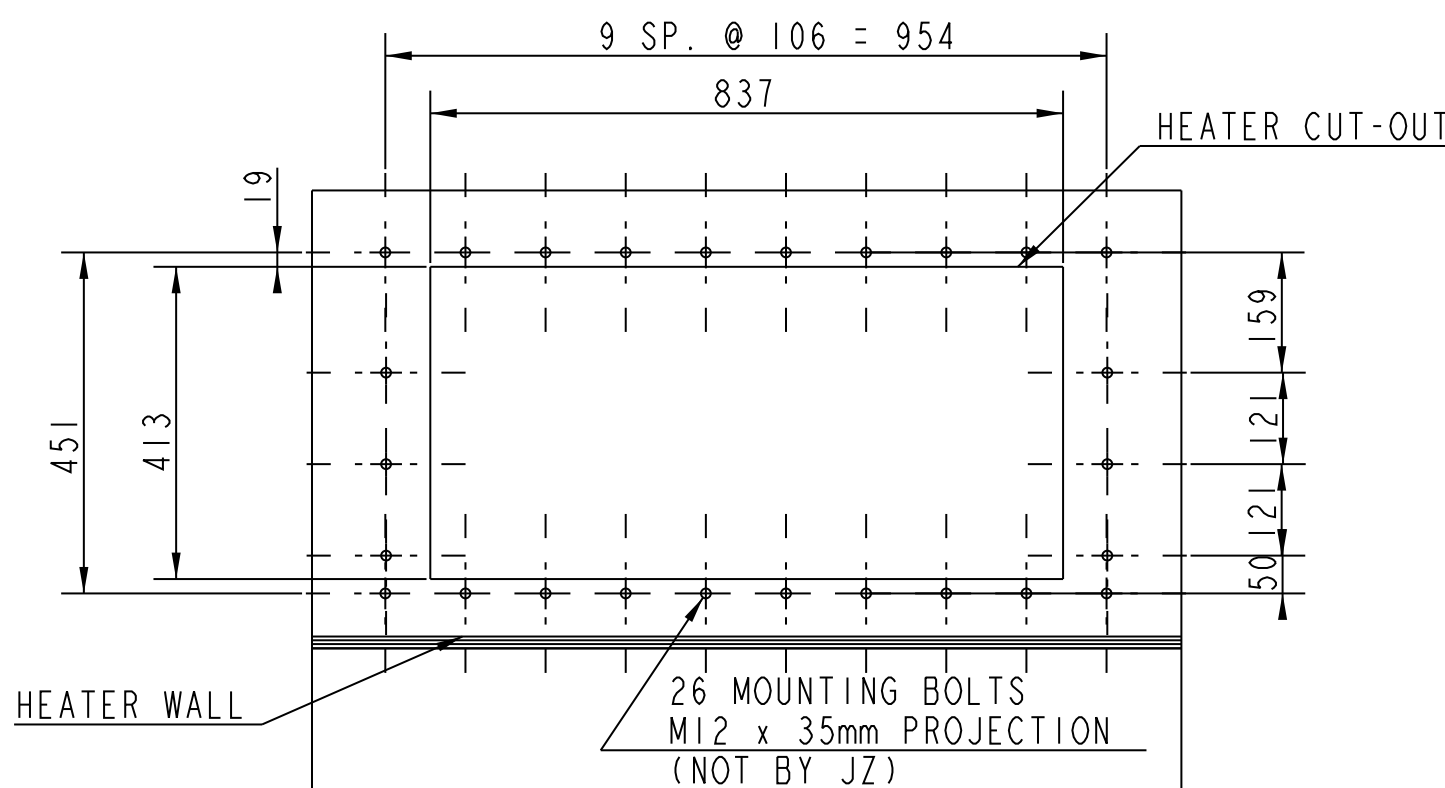
DETAIL D



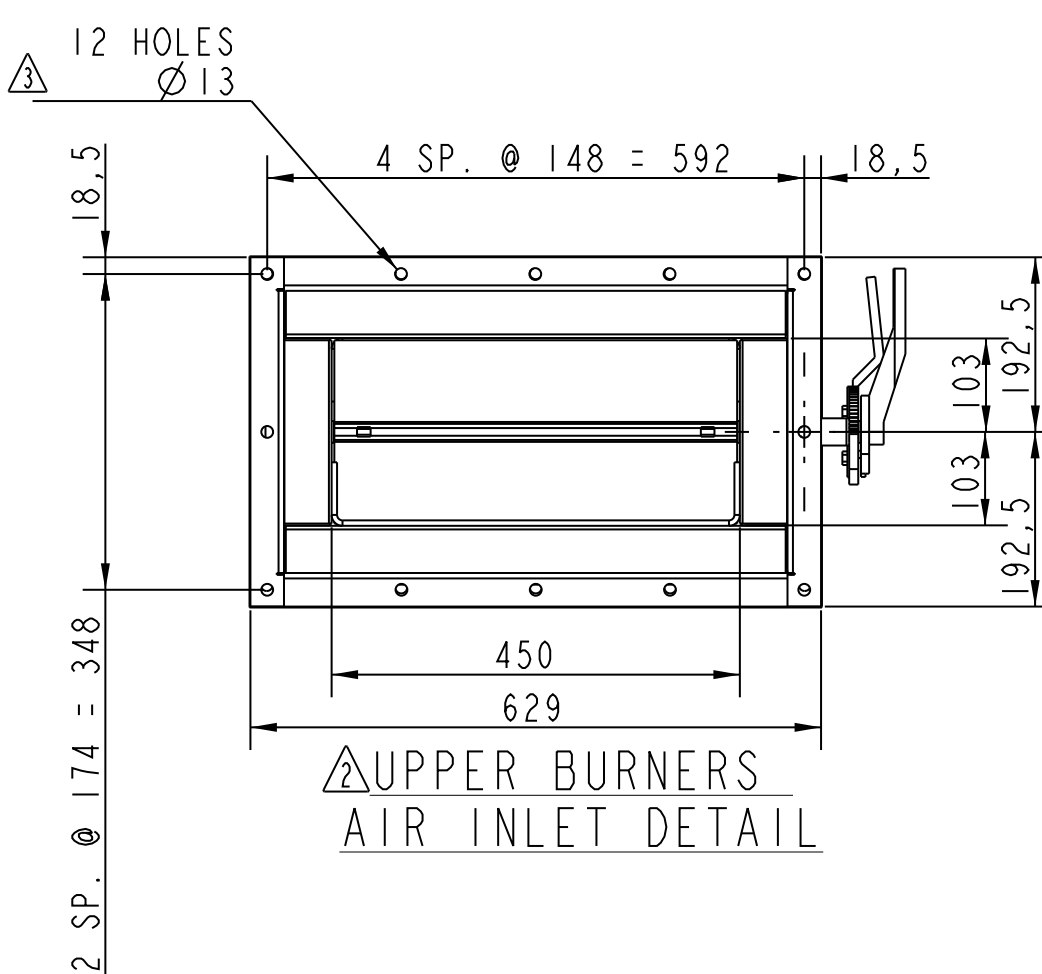
DETAIL E



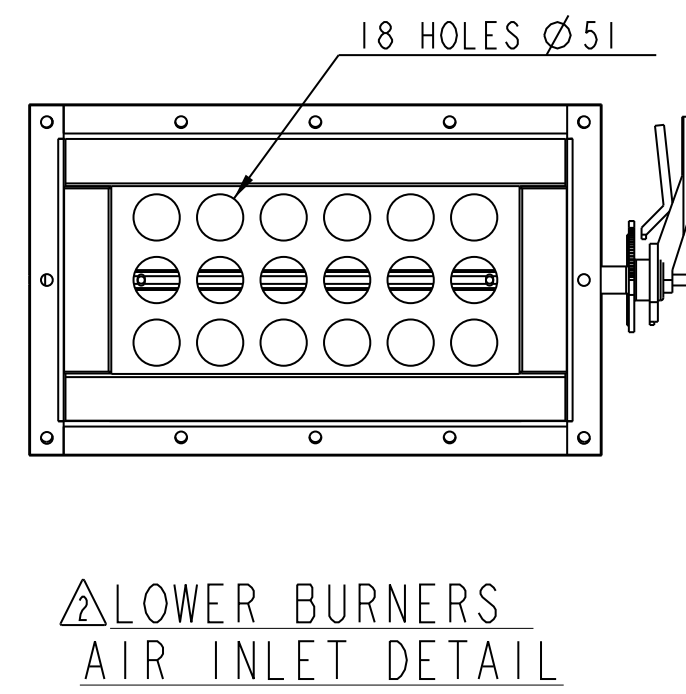
SECTION A-A



MOUNTING DETAIL



UPPER BURNERS
AIR INLET DETAIL



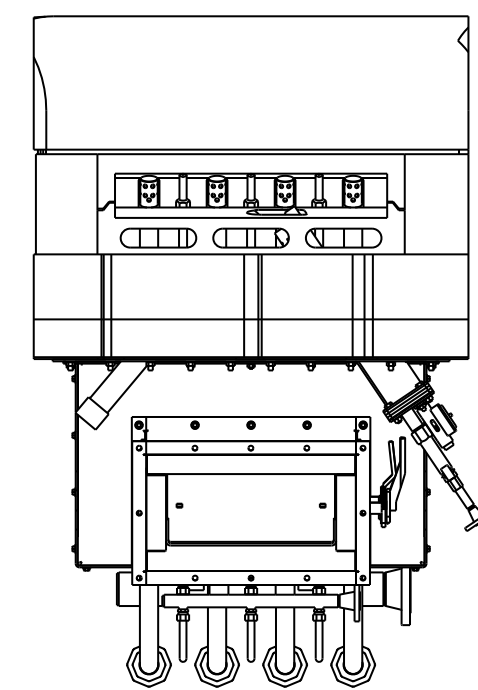
LOWER BURNERS
AIR INLET DETAIL

PART LIST				
ITEM	QTY	DESCRIPTION	MATERIAL	PART NO.
1	1	DAMPER ASSY c/w BEARINGS	SST 304	707.01
2	1	PILOT STI SHH	DIV.	711.01
3	1	PLENUM ASSY	SST 304	703.01
4	1	PSA GAS MANIFOLD	SST 304	A708.01
5	4	PSA GAS TIP	SS	715B.01/02
6	1	REFINERY GAS MANIFOLD	SST 316	A709.01
7	3	REFINERY GAS TIP	310SS	715A.01
8	1	ROCKWOOL HERALAN 50mm (4)	INSUL	137017
9	1	TILE	60% AI2O3	701.01
10	1	TILE CASE ASSY	304L	712.01
11	1	SEALING MORTAR	//	//

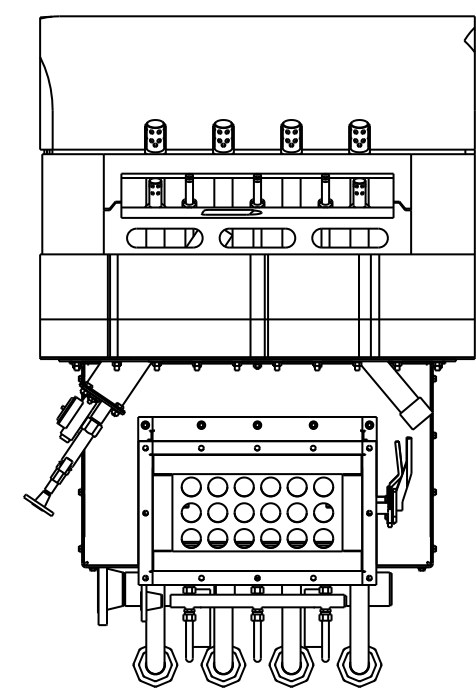
NOZZLE LEGEND		
ITEM	QTY	DESCRIPTION
C1	1	REFINERY GAS CONNECTION 1" RFWN 150# AINSI B16.5
C2	1	PSA GAS CONNECTION 3" RFWN 150# AINSI B16.5
C3	1	PILOT GAS CONNECTION 1/2" RFWN 150# AINSI B16.5

NOTES			
1. ALL MATERIALS MAY BE REPLACED BY AN EQUIVALENT			
2. ALL DIMENSIONS ARE IN mm			
3. NO GASKETS ON FLANGED CONNECTIONS EXCEPT WHERE INDICATED			

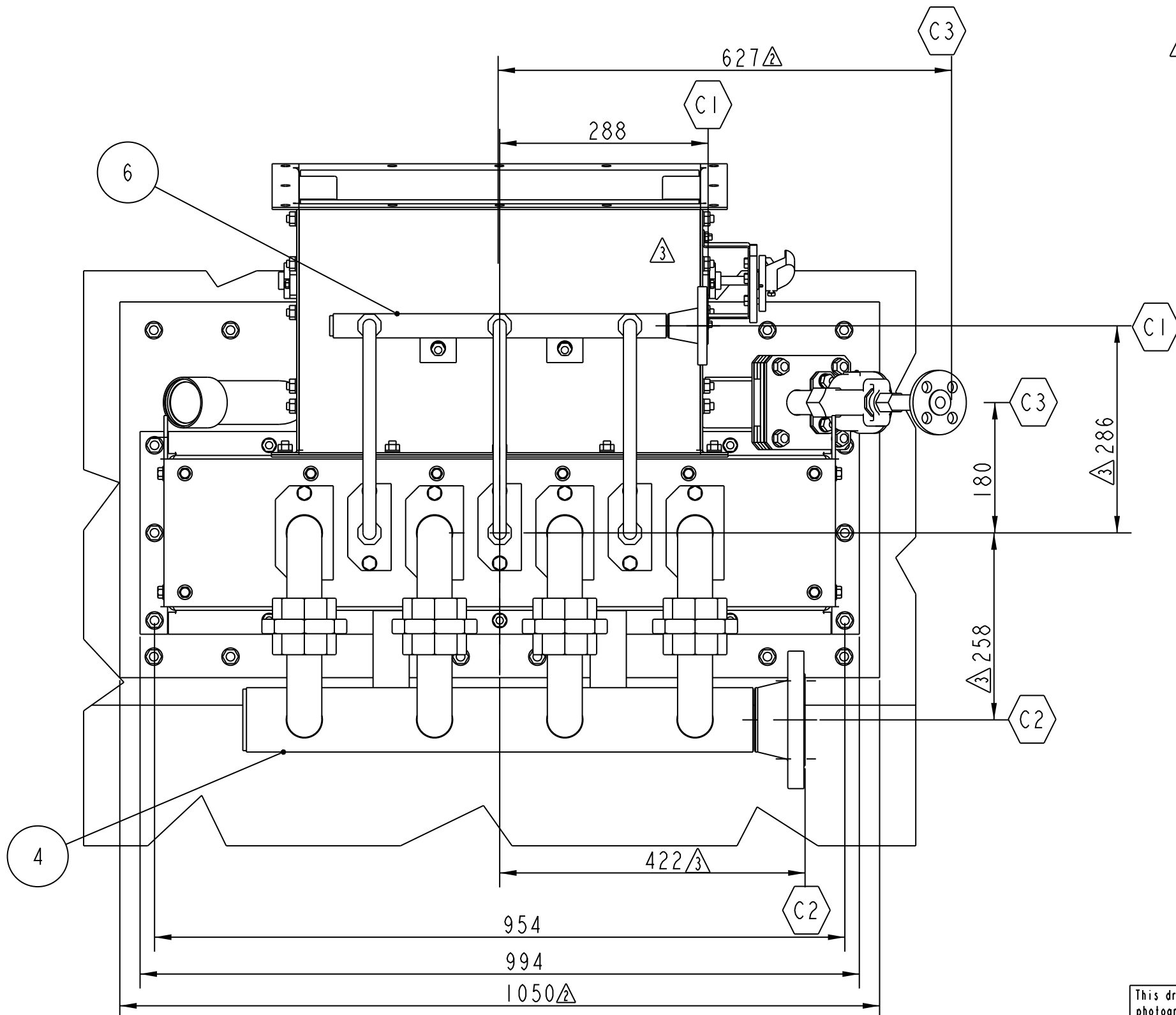
HEAT RELEASE PER UPPER TERRACE (600.01) BURNER (NET) MW			
FUEL	MAXIMUM	NORMAL	MINIMUM
PSA Gas	1.93	1.61	0.483
FEED Gas	0.837	0.598	0.140
TOTAL HEAT RELEASE	2.407	2.21	0.623
HEAT RELEASE PER LOWER TERRACE (600.02) BURNER (NET) MW			
FUEL	MAXIMUM	NORMAL	MINIMUM
PSA Gas	1.04	0.868	0.260
FEED Gas	0.577	0.322	0.096
TOTAL HEAT RELEASE	1.62	1.19	0.357



RIGHT BURNERS



LEFT BURNERS



3D VIEW

INSTALLATION TOLERANCE LEGEND (UNLESS NOTED)	
ANGLE: ±3°	
BOLTING DIM: ±3mm	
PIPING CONN. DIM: ±6mm	
TILE DIM.: ±3mm	
GENERAL FABRICATION DIM.: ±3mm	

	REFINERY GAS TIP		PSA GAS TIP		
	IGNITION PORTS	FIRING PORTS	FIRING PORTS	CROSSOVER PORTS	FIRING PORTS
600.01 UPPER TERRACE	2.1 mm	2.6 mm	4.7 mm	10 mm	13.6 mm
600.02 LOWER TERRACE	1.7 mm	2.2 mm	3.5 mm	7.2 mm	10.4 mm

9	MODIF. PILOT	MK	JA	YC	03/11/08
8	MODIF. Ø HOLES PSA GAS TIP FOR 600.02	EW	JA	YC	03.11.06
7	CROSSOVER PORT ADDED	EW	JA	YC	24.10.06
6	CHANGED AFTER TEST - TIPS POSITION	NP	JA	ZC	20/09/06
5	MODIF PSA MANIFOLD EXTERNAL LENGHT	NP	JA	YC	19/07/06
4	MODIF PSA MANIFOLD PIPING AFTER FABRICATION FILE	NP	JA	YC	03/07/06
3	GENERAL UPDATE DUE TO DIFFERENT BURNERS (RIGHT&LEFT)	NP	JA	YC	31/05/06
2	GENERAL UPDATE DUE TO SIZE INCREASE + SPEC. CHANGE	NP	JA	YC	12/04/06
1	CHANGE LIGHT PORT IN SIGHT AND LIGHT PORT+ANGLE	NP	JA	YC	28/03/06
0	ISSUE FOR APPROVAL	NP	JA	YC	23/03/06
N°	REVISION DESCRIPTION	BY	CHK	APPR.	DATE

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FOR:	FOSTER WHEELER			JOHN ZINK® KOCH CHEMICAL TECHNOLOGY GROUP John Zink International Luxembourg S.a.r.l. B.P.83 L-3401 Dudelange Tel.: (00 352) 51.89.91 Fax.: (00 352) 51.86.11		
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USER:	KOCH GLITSCH					
JOBSITE:	PAVLODAR		LN-PFFG			
	KAZAKHSTAN		GENERAL ARRANGEMENT			
P.O.N°:	2BE022APIT010		24 BURNERS (B-201/2)			
DRAWN:	NP	DATE: 23/03/06	SCALE:		DRAWING NUMBER:	REV.
CHKD.:	JA	DATE: 23/03/06			B68187-600.01/02	9
APPR.:	YC	DATE: 23/03/06	DATE:			