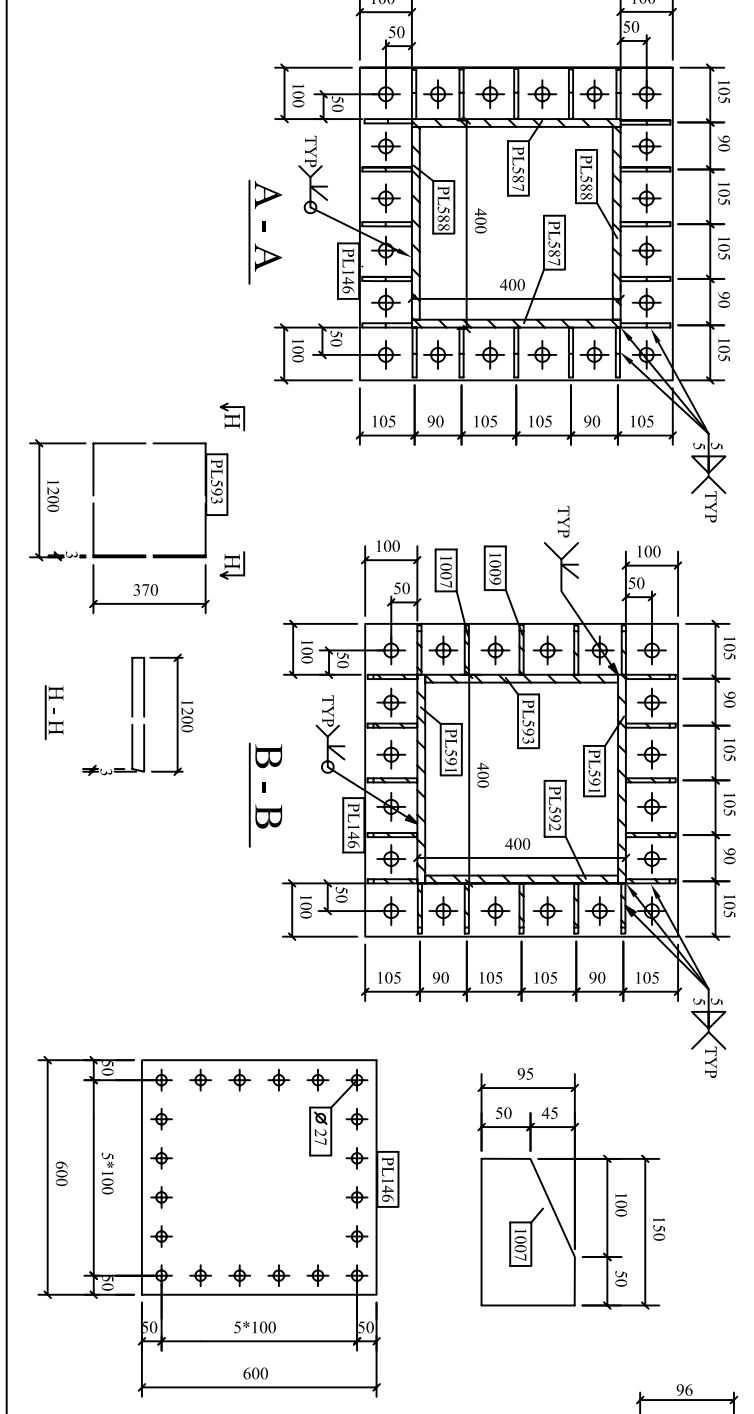
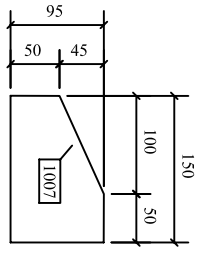
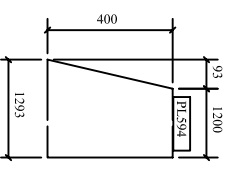
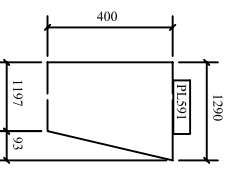
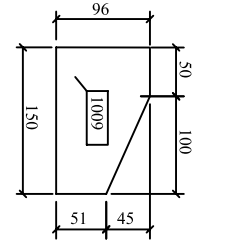
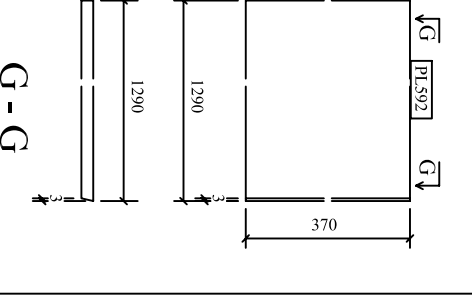
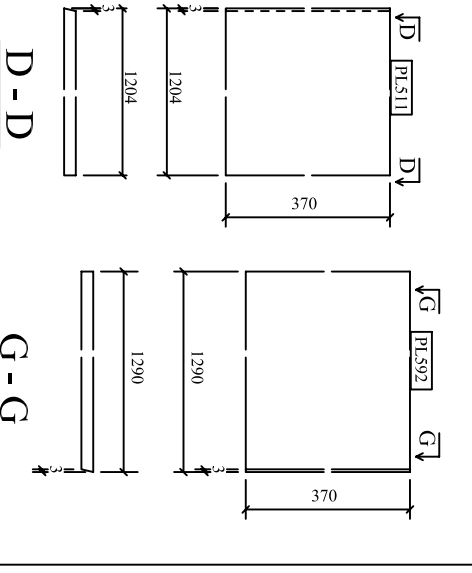
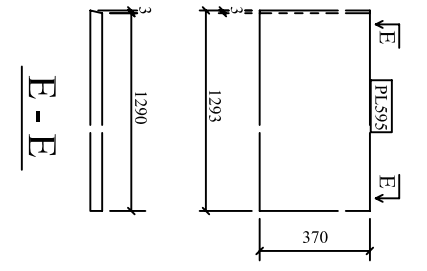
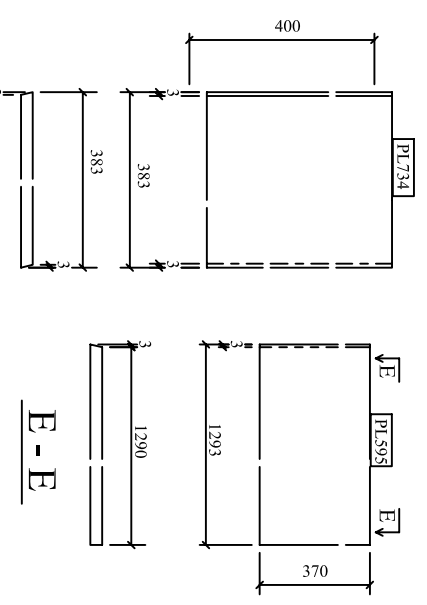
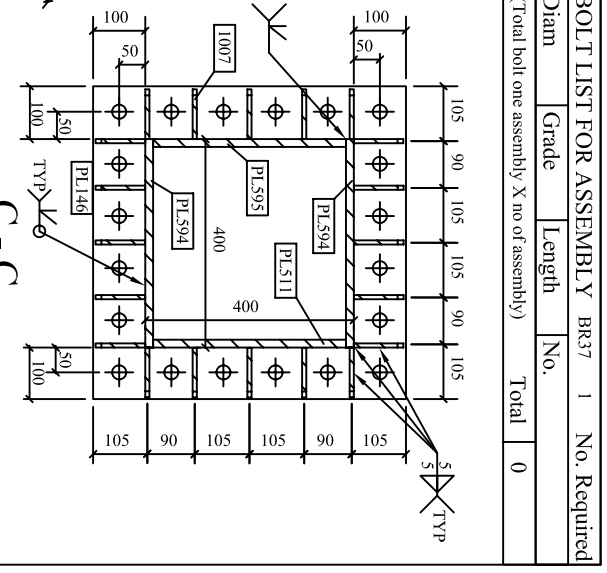
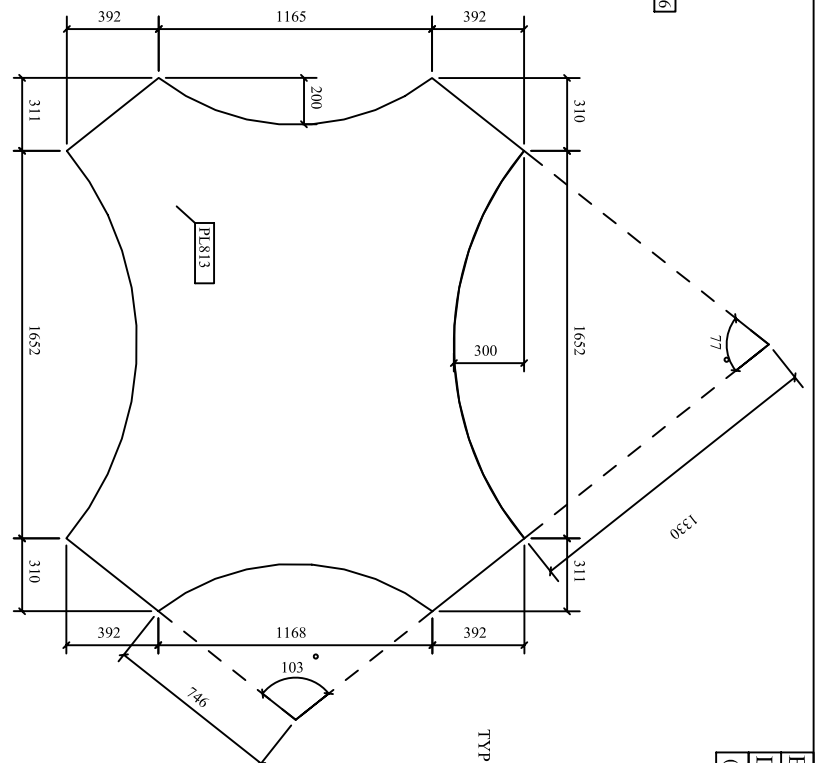
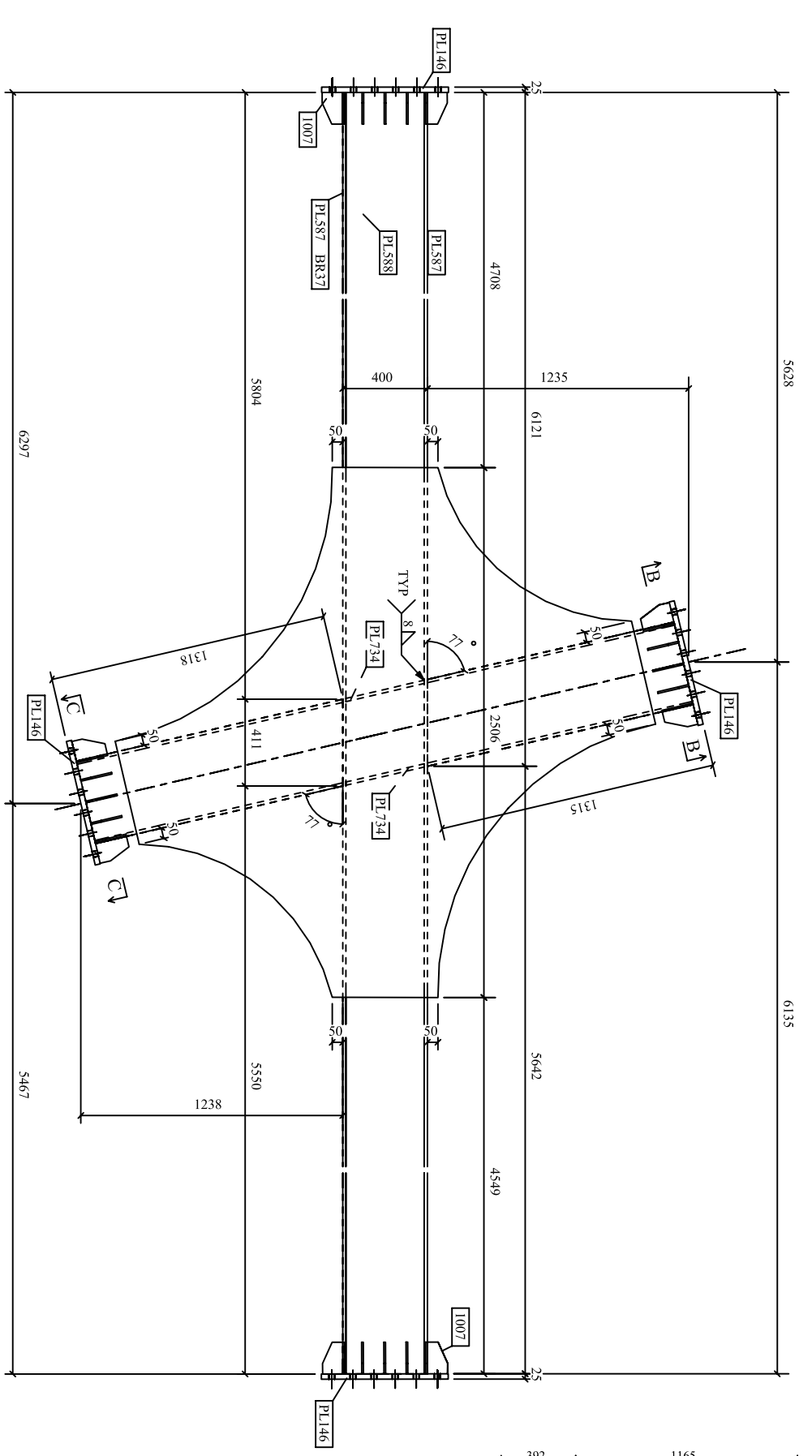
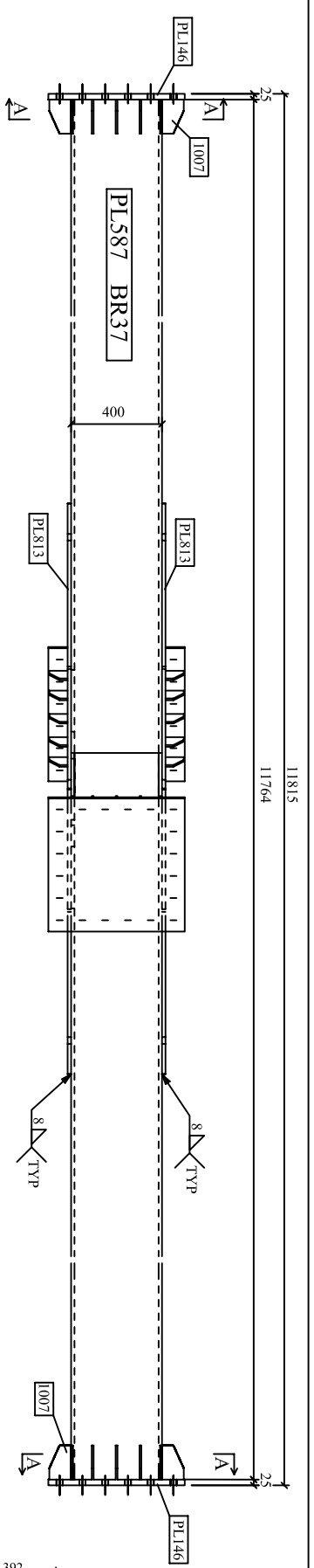


BOLT LIST FOR ASSEMBLY BR37 1 No. Required			
Diam	Grade	Length	No.
(Total both one assembly X no of assembly)			
			0



MATERIAL LIST FOR ONE ASSEMBLY MARKED BR37							No. Required	
Mark	Size	No.	Length	Area	Weight	Total Area	Total Weight	
1007	PL8*95	79	150	0.028	0.735	2.187	59.640	
1009	PL8*96	1	150	0.028	0.761	0.028	0.761	
PL146	PL2.5*600	4	600	0.780	70.650	3.120	282.60	
PL511	PL1.5*370	1	1204	0.937	52.339	0.937	52.339	
PL587	PL1.5*400	2	11764	9.776	554.08	19.552	1108.1	
PL588	PL1.5*370	2	11764	9.069	512.52	18.139	1025.0	
PL591	PL1.5*400	2	1290	1.044	58.565	2.088	117.13	
PL592	PL1.5*370	1	1290	1.003	56.125	1.003	56.125	
PL593	PL1.5*370	1	1200	0.934	52.220	0.934	52.220	
PL594	PL1.5*400	2	1293	1.047	58.716	2.094	117.43	
PL595	PL1.5*370	1	1293	1.006	56.265	1.006	56.265	
PL734	PL1.5*400	2	383	0.328	17.893	0.655	35.786	
PL813	PL1.5*2397	2	2335	6.528	377.17	13.056	754.34	
(Total in one assembly)						Sub Total	3717.8	
(Total one assembly X no of assembly)						Total	3717.8	

Engineering Group  
A.S.PARS  
سازگاری و توسعه پروژه

CLIENT: CEMENT ENGINEERING SERVICES CO.  
PROJECT TITLE: KHUZESTAN EXTENSION PROJECT  
UNITS: CYCLONE PREHEATER

SCALE: SHEET 1 OF 1  
PHASE: FABRICATION DRAWING FOR BRACE BR 37

ISSUED FOR FABRICATION: 01/07/2006  
DATE: 01/07/2006

REVISIONS:  
REV 0: 01/07/2006  
REV 1: 01/07/2006  
REV 2: 01/07/2006  
REV 3: 01/07/2006  
REV 4: 01/07/2006  
REV 5: 01/07/2006  
REV 6: 01/07/2006  
REV 7: 01/07/2006  
REV 8: 01/07/2006  
REV 9: 01/07/2006  
REV 10: 01/07/2006  
REV 11: 01/07/2006  
REV 12: 01/07/2006  
REV 13: 01/07/2006  
REV 14: 01/07/2006  
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REV 95: 01/07/2006  
REV 96: 01/07/2006  
REV 97: 01/07/2006  
REV 98: 01/07/2006  
REV 99: 01/07/2006  
REV 100: 01/07/2006

PROVIDED BY: SEC Engineering Company  
SEC Engineering Company  
سازگاری و توسعه پروژه

SEC.DOC.NO: SEC-PI095-DWG-ST-110