



TO FIRING
CONTROL HS-1533
— 69-P-1-15-004

1. SEE LEGEND AND SYMBOLS DRAWINGS.
2. THERMOWELLS INSTALLED IN SINGLE PLANE IN EACH CATALYST PACKAGE/BED. SUPPLIED BY REACTOR VENDOR.
3. LOCATE PDT AT HIGHEST POINT
4. MIXING TRAY
5. LOCATE SODA ASH CONNECTIONS CLOSE TO SPECTACLE BLIND.
6. BAND TYPE SKIN POINT TE'S. 11 PER BAND. LOCATE CLOCKWISE 32.7° APART.
7. BAND TYPE SKIN POINT TE'S. 11 PER BAND. LOCATE CLOCKWISE TOP TO BOTTOM AT 32.7° APART. OFF SET ABOVE TC BAND BY 15'.
8. ISOLATE REACTOR WITH A SLIP ON FLANGE DURING SODA ASH WASH.
9. BAND TYPE SKIN POINT TE'S. 7 PER BAND. LOCATE CLOCKWISE 51.4° APART.
10. DELETED.
11. DURING SODA ASH WASH, DISCONNECT REMOVABLE ELBOW AND INSTALL A 2" TEMPORARY REACTOR BYPASS.
12. NUMBERED CLOCKWISE.
13. NUMBERED NEAR TO DEEP, TOP TO BOTTOM
14. NUMBERED CLOCKWISE, TOP TO BOTTOM
15.

ITEM NO	TYPE	THICKNESS (MM)
15R001	HOT	150
16. THERMOCOUPLE PAD (TI-1527).
17. INSTRUMENT NUMBERING ON P&ID SHEETS ARE COMPOSED OF IDENTIFICATION LETTERS, PLANT UNIT NUMBER AND RUNNING NUMBER.
18. SWING ELBOW CONNECTION FOR SODA ASH CIRCULATION (REACTOR BY-PASS).
19. CHANGE TO HIGH DISTRIBUTION TRAY.

ITEM NO	TYPE	THICKNESS (MM)
15R001	HOT	150

6	03-13-17	UPDATE 2017	NR	ANS			
7	11-12-15	IMPROVE INTERNAL REACTOR 15R001	NR	ANS			
6	05-15-18	RENEW LINE REACTOR EFFLUENT TO 15E03DD	NR	ANP			
5	03-14-08	UPDATE 2008	JRW	TN			
4	12-31-96	AS BUILT					
3	11-03-95	REVISED AS MARKED	YSJ	JHS	BYJ	JWL	
2	08-12-95	F.F.C	YSJ	JHS	BYJ	JWL	
1	03-31-95	A.F.D	YSJ	JHS	BYJ	JWL	
0	02-08-95	FOR APPROVAL	TCM	HBS	LEE		
REV.	DATE	DESCRIPTION OF ISSUE	DRWN	CHKD	APPD	APPD	APPD



IRPC PUBLIC COMPANY LIMITED

TPI SPLITTER PLANT PHASE III PROJECT
RAYONG, THAILAND
LG Engineering Co., Ltd.
 SEOUL, KOREA

 **TETRA ENGINEERING & TECHNOLOGY INC.**
BREA, CALIFORNIA, U.S.A.

D/K HDS UNIT	PIPING & INSTRUMENT DIAGRAM
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REACTOR

JOB NUMBER	DRAWING NUMBER	REV. I
8816	69-P-1-15-006-3-8	8