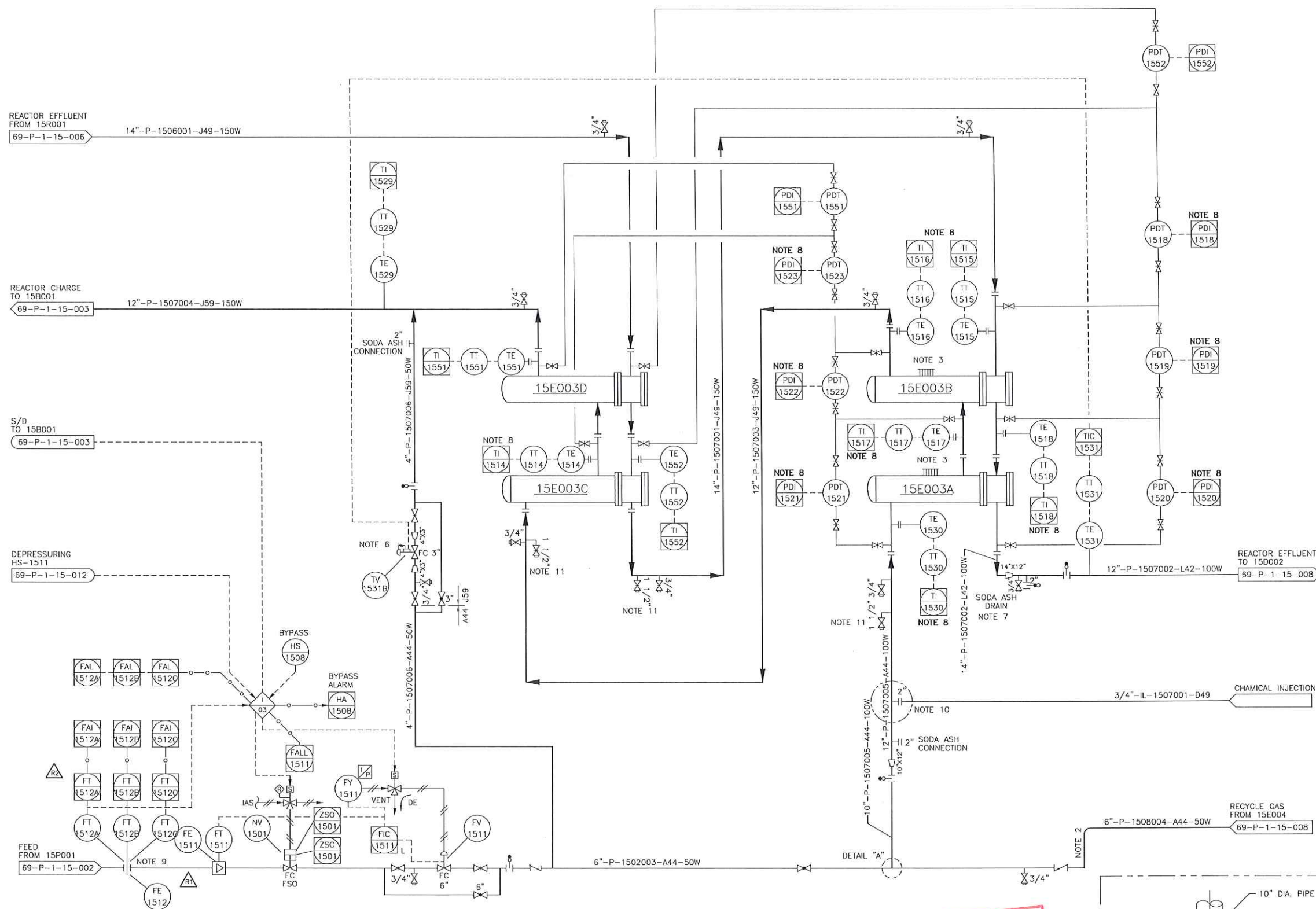


15E003A/B/C/D
FEED/EFFLUENT EXCHANGERS

NOTES:

- SEE LEGEND AND SYMBOLS DRAWINGS.
- PROVIDE SEAL HEIGHT TO PREVENT LIQUID BACK FLOW (MIN. SEAL HEIGHT = 3M ABOVE TOP OF 15E003C).

ITEM NO.	TYPE	THICKNESS (MM)
15E003A/B/C	HOT	SHELL: 150 TUBE: 150

- INSTRUMENT NUMBERING ON P&ID SHEETS ARE COMPOSED OF IDENTIFICATION LETTERS, PLANT UNIT NUMBER AND RUNNING NUMBER.

- TW AND PP FOR EXCHANGER SHALL BE INSTALLED ACCORDING TO TEMA CLASS.

ITEM NO.	TW TAG. NO.
15E003A/B/C	TW-1503 A-J

- CHANGE INTERNAL PART OF VALVE. (CONFIRMED BY EID)

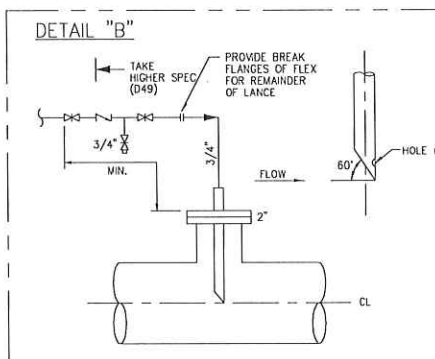
- LOCATE SODA ASH CONNECTIONS CLOSE TO SPECTACLE BLIND.

- RELOCATE TO NEW HEAT EXCHANGERS.

- IMPROVEMENT FSLL BY INSTALLATION NEW FT.

- CHANGE TAG NO. FE/FT/FI/FALL FROM 12,13,14 TO 12A, 12B, 12C.

- LOCATE INJECTION POINTS AT MINIMUM DISTANCE FROM 15E003A. SEE DETAIL "B".



- 1 1/2" LOCATE FOR FILL AND DRAIN STEP HYDROTEST.

REV.	DATE	DESCRIPTION OF ISSUE	DRWN	CHKD	APPD	APPD	APPD
1	04-18-18	UPDATE 2018	NR	CPR			
2	03-13-17	UPDATE 2017	NR	ANS			
3	06-23-16	RESET FIC-150711 TO 0% WHILE BYPASS FSLL	NR	ANS			
4	06-16-16	GAP SIL CLOSING	NR	ANS			
5	06-12-15	RENEW 15E003A/B/C/D	NR	ANS			
6	01-28-15	UPDATE 2015	NR	ANS			
7	09-09-11	ADD CHECK VALVE	NR	SS			
8	11-12-10	INSTALL PDI AND TEMPERATURE ELEMENT AT 15E003A/B/C	JRW	AKR			
9	06-13-06	UPDATE 2006	JRW	TN			
10	11-05-01	UPDATE 2001	NR				

IRPC

IRPC PUBLIC COMPANY LIMITED

TPI SPLITTER PLANT PHASE III PROJECT
RAYONG, THAILANDLG Engineering Co., Ltd.
SEOUL, KOREATETRA
TETRA ENGINEERING & TECHNOLOGY INC.
BREA, CALIFORNIA, U.S.A.D/K HDS UNIT PIPING & INSTRUMENT DIAGRAM
FEED / EFFLUENT EXCHANGER

JOB NUMBER	DRAWING NUMBER	REV. NO.
8816	69-P-1-15-007-3-16	16

P&ID AS Built 2021
 Issued... Date **2.8 JUN 2021**
 TE Approved... Date **2.8 JUN 2021**
 Area Approved... Date **2.9 JUN 2021**

