

107-D
PRIMARY REFORMER EFFLUENT TRANSFER LINE (WATER JACKET)

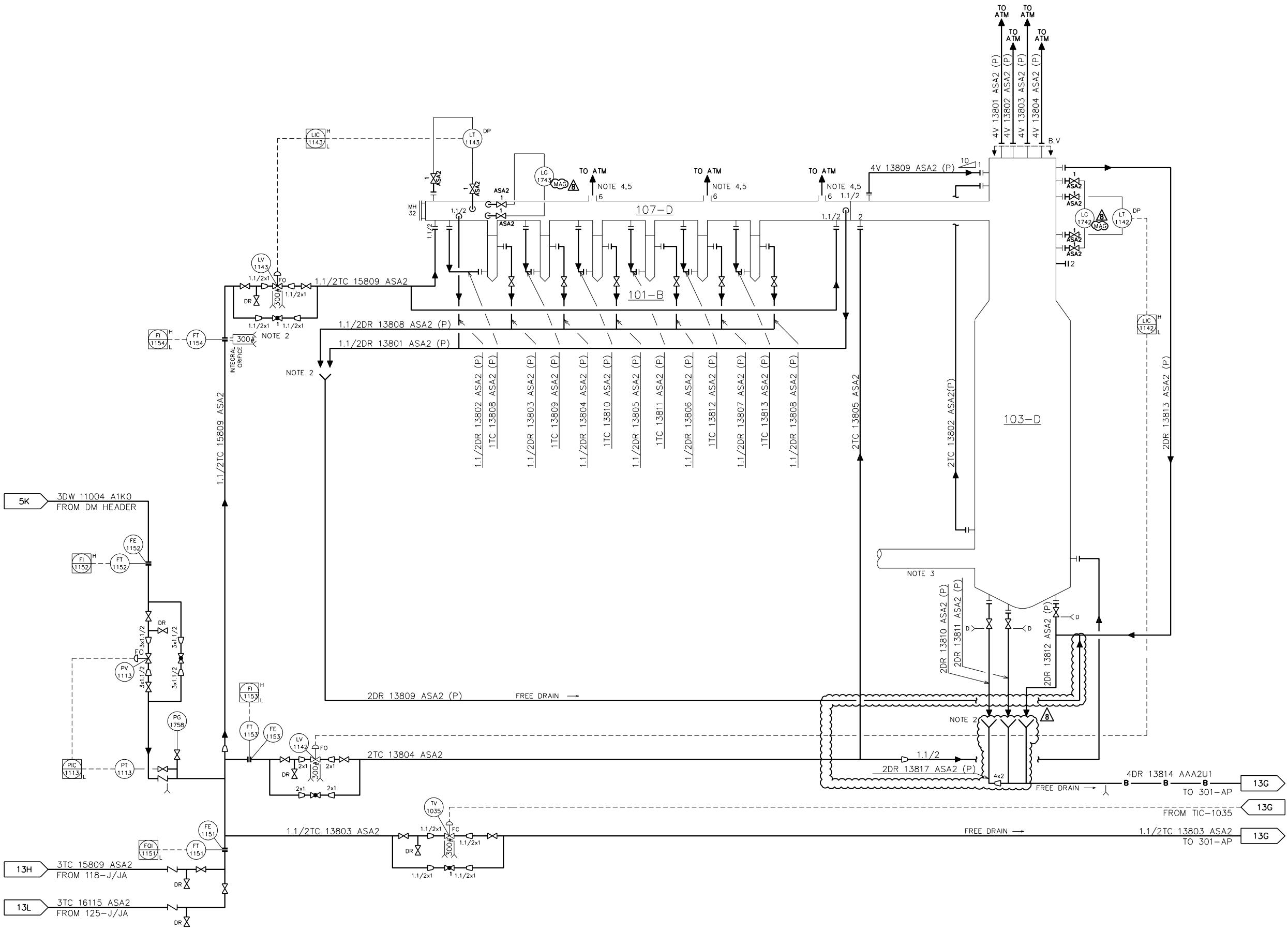
101-B
PRIMARY REFORMER (RISER WATER JACKET)

101-C
SECONDARY REFORMER WASTE HEAT BOILER (WATER JACKET)

103-D
SECONDARY REFORMER (WATER JACKET)

NOTES

1. FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
 2. LOCATE DRAIN HUBS VISIBLE FROM RESPECTIVE CONTROL VALVE AND BYPASS. SET MINIMUM FLOW TO WATER JACKETS USING BYPASS VALVE.
 3. WATER JACKET TO BE INSTALLED ON PIPING BETWEEN 103-D AND 101-C.
 4. VENT TO BE LOCATED 2M FROM NEAREST PLATFORM.
 5. PIPING SUPPLIED BY HTR VENDOR.



9	RE-ISSUED FOR CONSTRUCTION (AFC-3)	TS	ABA	DU	HOW	ANS	HK	US	S	L	14/11/13
10	RE-ISSUED FOR CONSTRUCTION (AFC-2)	TS	ABA	DU	HOW	AM	HK	US	S	L	23/09/13
6	RE-ISSUED FOR CONSTRUCTION (AFC-1)	TS	ABA	DU	HOW	AM	HK	US	S	V	10/04/13
1	ISSUED FOR CONSTRUCTION (AFC)	EB	ABA	DU	RK	AM	SHL	US	S	V	26/11/13
7	RE-ISSUED FOR APPROVAL (AFD-1)	EB	ABA	DU	RK	U	SHL	US	S	L	29/08/13
2	ISSUED FOR APPROVAL (AFD)	EB	ABA	DU	RK	U	SHL	US	S	L	27/06/13
3	ISSUED FOR DETAIL DESIGN (AFD-2)	EB	ABA	JAK	YSK	ROP	HN	SHL	S	L	14/05/13

REVISIONS

PROJECT NAME : KALTIM-5 PROJECT
 2500 MTPD AMMONIA AND 3500 MTPD UREA
 PONTANG EAST KALIMANTAN INDONESIA

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PIPING & INSTRUMENT FLOW DIAGRAM

WATER JACKET DETAILS