



## NOTES

- FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
- 1/2" MECHANICAL SEAL FLUSH TO BE CONNECTED TO PUMP, ORIFICE TO BE SUPPLIED BY VENDOR.
- PG TO BE LOCATED IN VIEW OF JETS.
- DELETED.
- LINE TO BE CONNECTED AT BOTTOM OF PIPING.
- FLAMMABLE GAS DETECTOR TO BE PROVIDED NEAR VENT POINT.
- REFER TO WRITE-UP BY CONTROL SYSTEMS ENGINEERING FOR INTERLOCK DESCRIPTION.
- MIN. FLOW SET VALUE TO BE OVERRIDE TO THE TWO PUMP MIN FLOW CAPACITY IN CASE OF BOTH PUMP OPERATION.
- DELETED.
- DELETED.

1	RE-ISSUED FOR CONSTRUCTION (AFC-3)	TS	ABA	DV	HCW	ANS	HK	US	14/11/13
2	RE-ISSUED FOR CONSTRUCTION (AFC-2)	TS	ABA	DV	HCW	ANS	HK	US	25/06/13
3	RE-ISSUED FOR CONSTRUCTION (AFC-1)	TS	ABA	DV	HCW	ANS	HK	US	10/04/13
4	ISSUED FOR CONSTRUCTION (AFC)	EB	ABA	DV	RM	LI	SHL	US	25/11/12
5	RE-ISSUED FOR APPROVAL (AFD-1)	EB	ABA	DV	RM	LI	SHL	US	25/06/12
6	ISSUED FOR APPROVAL (AFD)	EB	ABA	DV	RM	LI	SHL	US	22/04/12
7	ISSUED FOR DETAIL DESIGN (AFD-2)	EB	ABA	JAH	YSA	BSP	HN	SHL	14/02/12
REV.	DESCRIPTION	DRWN	CHKD	DESIGN	APPR	APPR	APPR	DATE	

## REVISIONS

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

CLIENT NAME :  
**PUPUK KALIMANTAN TIMUR**

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PIPING & INSTRUMENT FLOW DIAGRAM  
104-JTC SURFACE CONDENSER

SCALE DWG. NO. K5-01-E1-PD-13L-T

DOC. NO. K5-01-E1-PD-051-T SHEET 051/073 REV.8