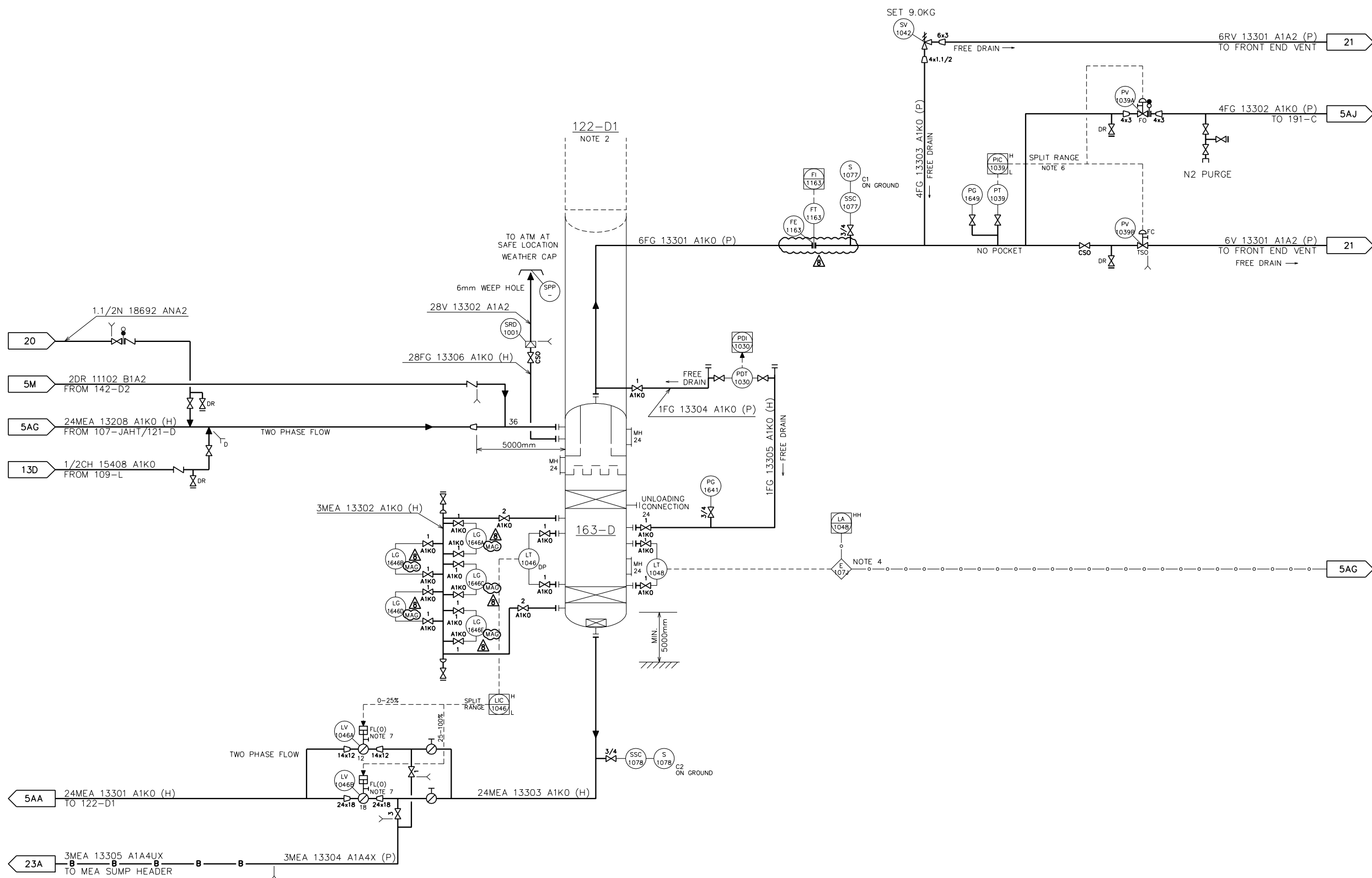
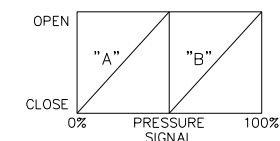


163-D	
HP FLASH COLUMN	
DES./OPER.TEMP.	°C 120/84
DES./OPER.PRESS.	kg/cm2G 9/7.6
INSULATION/THICK.	mm HOT/50
MATERIAL	TOP :CS+304L SS CLAD BOTTOM:CS
DIMENSION (IDx(TL-TL))	mm 5900x17750
VOLUME	m3 459

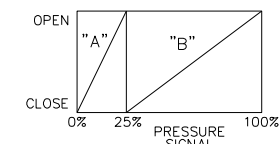


NOTES

1. FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
2. 122-D1 LOCATED ON 5AA.
3. DELETED.
4. REFER TO WRITE UP BY CONTROL SYSTEMS ENGINEERING FOR INTERLOCK DESCRIPTION.
5. DELETED.
6. PV-1039A, B CONTROL SEQUENCE.



7. LV-1046A, B CONTROL SEQUENCE.



5	RE-ISSUED FOR CONSTRUCTION (AFC-3)	TS	ABA	DU	HQR	ANS	HK	US	SV	19/11/17
4	RE-ISSUED FOR CONSTRUCTION (AFC-2)	TS	ABA	DU	HQR	ANS	HK	US	SV	23/06/17
3	RE-ISSUED FOR CONSTRUCTION (AFC-1)	TS	ABA	DU	HQR	ANS	HK	US	SV	10/04/17
2	ISSUED FOR CONSTRUCTION (AFC)	EB	ABA	DU	RN	AK	SNL	US	SV	26/11/16
1	RE-ISSUED FOR APPROVAL (AFD-1)	EB	ABA	DU	RN	AK	SNL	US	SV	23/06/17
0	ISSUED FOR APPROVAL (AFD)	EB	ABA	DU	RN	AK	SNL	US	SV	23/06/17
	ISSUED FOR DETAIL DESIGN (AFP-2)	EB	ABA	DU	JKS	YBP	H.N	SNL	SV	23/06/17
REV.	DESCRIPTION	DRWN	CHKD	DESK	ISSD	APPRO	APPRO	APPRO	APPRO	DATE

REVISIONS

PROJECT NAME :	KALTIM-5 PROJECT 2500 MTPD AMMONIA AND 3500 MTPD UREA BONTANG, EAST KALIMANTAN, INDONESIA
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CLIENT NAME : **PUPUK KALTIM**
PT. PUPUK KALIMANTAN TIMUR

KBR Engineering Services by
KBR Technical Services, Inc.

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CONTRACTOR :	VENDOR
 PT. INI KARYA PERSADA TEKNIK <small>INDONESIA</small>	ISSUE MARK 14 / NOV / 13
 Toyo ENGINEERING CORPORATION	

CONTRACTOR WORK NUMBER : 10107 / BA096300 / 11-018-01

PIPING & INSTRUMENT FLOW DIAGRAM H.P. FLASH DRUM

SCALE	\propto	DWG. NO.	K5-01-E1-PD-5AH-T
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DOC. NO. K5-01-E1-PD-035-T	SHEET 035/073	REV.8
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