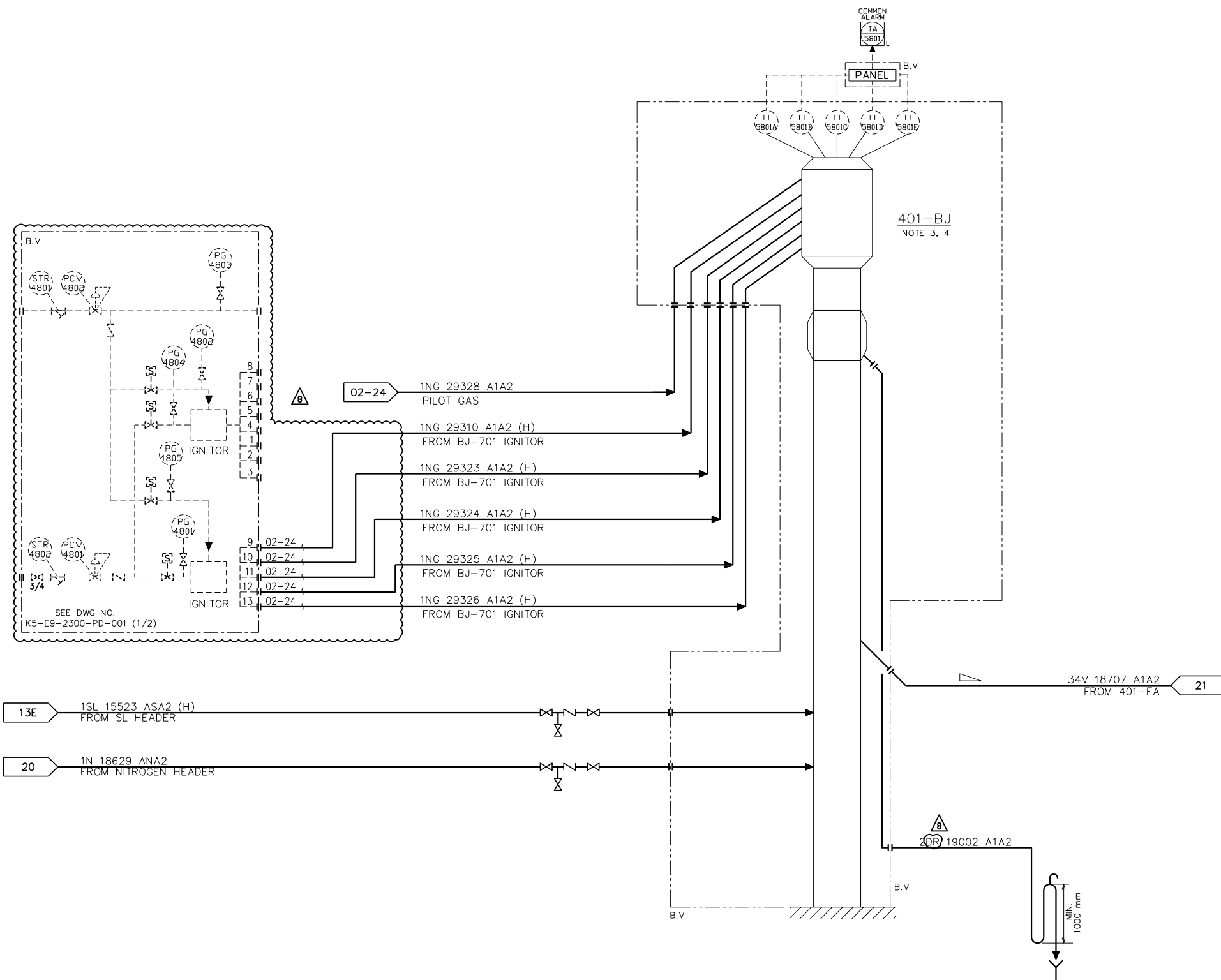


401-BJ	
EMERGENCY FLARE STACK FOR AMMONIA PLANT	
DES./OPER.TEMP.	°C 160;-33/65;127
DES./OPER.PRESS.	kg/cm2G 1.75/1.13
MATERIAL	KILLED CS
HEIGHT	m 80
CAPACITY	kg/hr 121356(SYN GAS) 149150(AMMONIA GAS)
HEAT DUTY	GCAL/h

NOTES

- FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
- FLARE SYSTEM HORIZONTAL PIPE RUNS TO BE PROVIDED WITH MINIMUM SLOPE OF 1/1000 mm.
- ALL TIE-IN CONNECTION OF PIPING INSIDE VENDOR SCOPE TO BE LOCATED AT GRADE 1.5M (APPROX.)
- PILOT FUEL GAS IS SUPPLIED FROM UREA UNIT FLARE IN THE FLARE VENDOR SCOPE.



REV.	DESCRIPTION	DRWN.	CHKD.	APPD.	DATE
1	RE-ISSUED FOR CONSTRUCTION (AFC-3)	TS	ABA	DU	14/11/13
2	RE-ISSUED FOR CONSTRUCTION (AFC-2)	TS	ABA	DU	29/06/13
3	RE-ISSUED FOR CONSTRUCTION (AFC-1)	TS	ABA	DU	10/04/13
4	ISSUED FOR CONSTRUCTION (AFC)	EB	ABA	DU	25/11/12
5	RE-ISSUED FOR APPROVAL (AFD-1)	EB	ABA	DU	29/06/12
6	ISSUED FOR APPROVAL (AFD)	EB	ABA	DU	22/04/12
7	ISSUED FOR DETAIL DESIGN (AFD-2)	EB	ABA	DU	14/02/12

REVISIONS	
PROJECT NAME :	KALTIM-5 PROJECT 2500 MTPD AMMONIA AND 3500 MTPD UREA BONTANG, EAST KALIMANTAN, INDONESIA
CLIENT NAME :	PUPUK KALTIM PT. PUPUK KALIMANTAN TIMUR
	KBR Engineering Services by KBR Technical Services, Inc.

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ABER, FOR ISSUE
C-CLIENT
L-CLIENT
S-SITE
V-VENDOR

CONTRACTOR :	TOYO ENGINEERING CORPORATION	ISSUE MARK
		14/06/13

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

PIPING & INSTRUMENT FLOW DIAGRAM
FLARE STACK

SCALE	DWG. NO. K5-01-E1-PD-24-T
DOC. NO. K5-01-E1-PD-068-T	SHEET 068/073 REV.8