

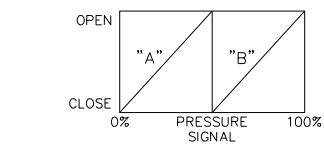
117-LEA	
PURGE GAS EJECTOR	
DES./OPER.TEMP.	°C 150(MAX.) & -25(MIN.) / -17.1
DES./OPER.PRESS. MOTIVE	kg/cm ² G 170/146.6
DES./OPER.PRESS. SUCTION	kg/cm ² G 170/16.6
NORMAL CAPACITY	Nm ³ /hr 52.924
MATERIAL	304SS

117-LEB	
PURGE GAS EJECTOR FOR K-3/K-4	
DES./OPER.TEMP.	°C 85(MAX.) & -25(MIN.) / -16.4
DES./OPER.PRESS. MOTIVE	kg/cm ² G 187/124.4
DES./OPER.PRESS. SUCTION	kg/cm ² G 187/16.7
NORMAL CAPACITY	Nm ³ /hr 50.545
MATERIAL	304SS

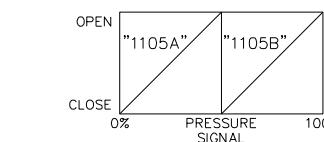
124-D	
HP AMMONIA SCRUBBER	
DES./OPER.TEMP.	°C 80/19.5(TOP), 10.5(BOTTOM)
DES./OPER.PRESS.	kg/cm ² G 42/37.8
INSULATION/THICK.	mm NO/-
MATERIAL	CS
DIMENSION (IDxTL-TL)	mm 1150x14800
VOLUME	m ³ 15.8

NOTES

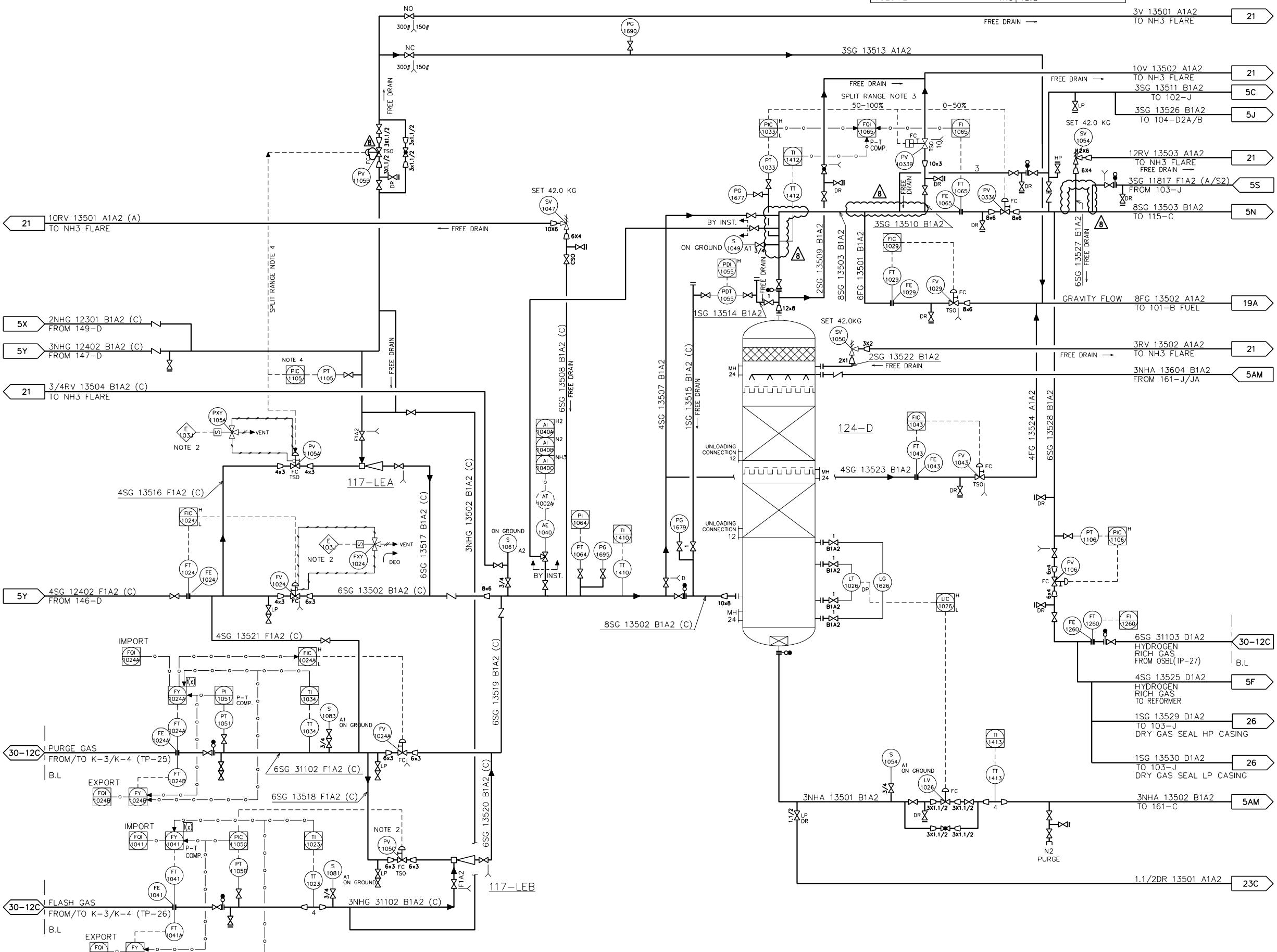
1. FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
2. REFER TO WRITE-UP BY CONTROL SYSTEMS ENGINEERING FOR INTERLOCK DESCRIPTION.
3. PV-1033A,B CONTROL SEQUENCE.



4. PV-1105A/B CONTROL SEQUENCE.



5. DELETED.



RE-ISSUED FOR CONSTRUCTION (AFC-3) TS ABA DU HOW ANS HK US L V 14/11/13
 7/1 RE-ISSUED FOR CONSTRUCTION (AFC-2) TS ABA DU HOW AH HK US L V 28/06/13
 6/1 RE-ISSUED FOR CONSTRUCTION (AFC-1) TS ABA DU RW AH HK US L V 10/04/13
 5/1 ISSUED FOR CONSTRUCTION (AFC) EB ABA DU RW AH HK US L V 26/11/12
 4/1 ISSUED FOR APPROVAL (AFD-1) EB ABA DU RW U HK US L V 29/09/12
 2/1 ISSUED FOR DETAIL DESIGN (AFT-2) EB ABA JAK YSH BOP HK SH L V 14/05/12
 REV. DESCRIPTION DRW CHD DESD CHM APD AUTO ISSUE DATE

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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CONTRACTOR : PT. KALTIM INGENIERIA PURASARTECHNIK TOYO ENGINEERING CORPORATION

ISSUE MARK 14-Nov-13

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

PIPING & INSTRUMENT FLOW DIAGRAM

AMMONIA ABSORBER

SCALE DWG. NO. K5-01-E1-PD-5AL-T

DOC. NO. K5-01-E1-PD-037-T SHEET 037/03 REV.8