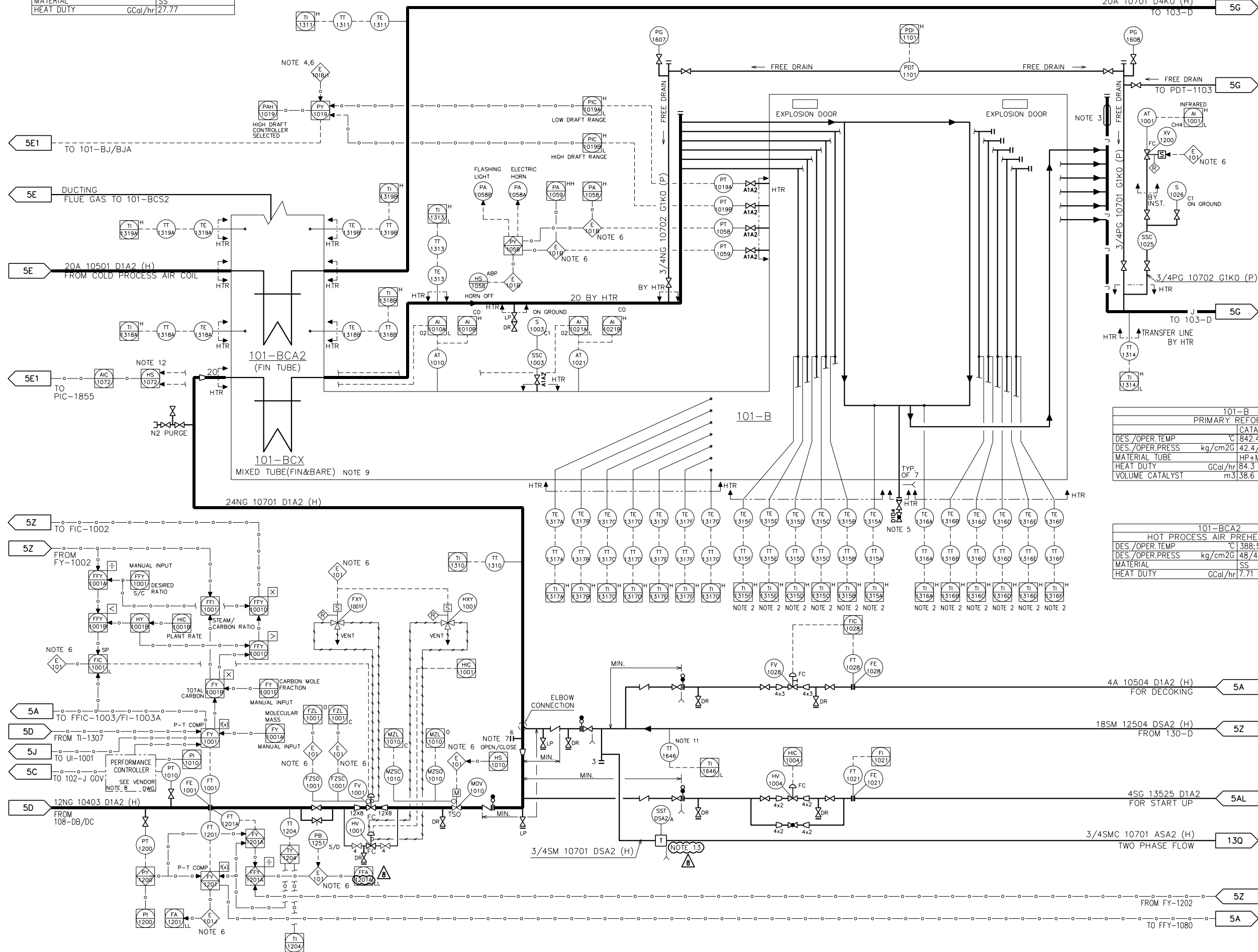


101-BCX		
MIXED FEED COIL		
DES./OPER.TEMP	°C	387;567/344.5;525
DES./OPER.PRESS	kg/cm2G	52/45.3;44.4
MATERIAL		SS
HEAT DUTY	GCal/hr	27.77



- ### NOTES
1. FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.
 2. TEMPERATURE MEASUREMENT POINT IS AT BOTTOM OF EACH "HARP" PASS FOR TI-1315A THRU TI-1315F AND TI-1316A THRU TI-1316F.
 3. FOR COOLING WATER TO 103-D, 107-D, AND 101-C WATER JACKETS SEE DRAWING 6A.
 4. SELECT THE HIGH DRAFT RANGE CONTROLLER UPON F.D. FAN FAILURE BOTH PIC-1019A AND PIC-1019B WILL HAVE ANTI-RESET WINDUP AND PV TRACKING FEATURES.
 5. ONE FOR EACH HARP.
 6. REFER TO WRITE-UP BY CONTROL SYSTEMS ENGINEERING FOR INTERLOCK DESCRIPTION.
 7. FOR LINE BLOWING.
 8. SYSTEM OF PERFORMANCE CONTROLLER SHALL BE FINALIZED BY ANTI SURGE CONTROL VENDOR FOR PRESSURE CONTROL.
 9. BARE TUBE NUMBER 75, FIN TUBE NUMBER 15.
 10. DELETED.
 11. TW TO BE LOCATED AT BOTTOM OF PIPE WITH MINIMAL.
 12. HS-1072 TO BE AUTO SELECTOR SWITCH OF AI-1021A OR AI-1010A IN CASE OF MALFUNCTION OF THEM.
 13. DRAIN AT UPSTREAM OF STEAM TRAP TO BE ROUTED AT SAFE LOCATION.

101-B			
PRIMARY REFORMER			
	CATALYST TUBE	RISER	
DES./OPER.TEMP	°C	842.4/525; 712.6	810.4/712.6; 728.
DES./OPER.PRESS	kg/cm2G	42.4/44.4; 40.6	40.6/40.6; 40.2
MATERIAL TUBE		HP+Mod.MA	HP+Mod.MA
HEAT DUTY	GCal/hr	84.3	2.72
VOLUME CATALYST	m3	38.6	-

101-BCA2	
HOT PROCESS AIR PREHEAT COIL	
DES./OPER.TEMP	°C 388;538/358.3;508.2
DES./OPER.PRESS	kg/cm2G 48/42.6;42.3
MATERIAL	SS
HEAT DUTY	GCal/hr 7.71

5	RE-ISSUED FOR CONSTRUCTION (AFC-3)	TS	ABA	DU	HOB	ANS	HK	US		14/1/17
6	RE-ISSUED FOR CONSTRUCTION (AFC-2)	TS	ABA	DU	HOB	AN	HK	US		28/6/16
5	RE-ISSUED FOR CONSTRUCTION (AFC-1)	TS	ABA	DU	HOB	AN	HK	US		10/6/16
4	ISSUED FOR CONSTRUCTION (AFC)	EB	ABA	DU	RK	AN	SAL	US		25/1/17
3	RE-ISSUED FOR APPROVAL (AFC-1)	EB	ABA	DU	RK	LU	SAL	US		23/6/16
3	ISSUED FOR APPROVAL (AFC-2)	EB	ABA	DU	RK	LU	SAL	US		22/6/16
2	ISSUED FOR DETAIL DESIGN (AFC-2)	EB	ABA	JAK	YSA	BOP	NLN	SAL		14/6/16

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

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CONTRACTOR :		VENDOR
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Toyo ENGINEERING CORPORATION		14 NOV/1

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

PIPING & INSTRUMENT FLOW DIAGRAM
PRIMARY REFORMER MIXED FEED AND AIR

SCALE	\propto	DWG. NO.	K5-01-E1-PD-5F-T
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