



161-C1/C2/C3/C4		
AMMONIA DISTILLATION COLUMN FEE / EFFLUENT EXCHANGER		
	SHELL	TUBE
DES. / OPER. TEMP	°C	200 / 10.5; 160.2
DES. / OPER. PRESS	kg/cm2G	26 / 22.2
INSULATION / THICK	mm	H01/80
MATERIAL	CS	H01/95
DIMENSION (ID SHELLxL)	mm	154.1x6000
SURFACE AREA	m2	45.6

160-C			
AMMONIA DISTILLATION COLUMN		SHELL	REBOILER TUBE
DES./OPER.TEMP	°C	425/384;258.6	250/210.5;211.1
DES./OPER.PRESS	kg/cm2G	52/46.4	24/19
INSULATION/THICK	mm	H07/130	H07/95
MATERIAL		CS	CS
DIMENSION (ID SHELLxL)	mm	450x5000	
SURFACE AREA	m2	67.7	

4	RE-ISSUED FOR CONSTRUCTION (AFC-3)	TS	ABA	DU	HCB	ANC	HK	US	1/1/71
5	RE-ISSUED FOR CONSTRUCTION (AFC-2)	TS	ABA	DU	HCB	ANC	HK	US	2/1/66
6	RE-ISSUED FOR CONSTRUCTION (AFC-1)	TS	ABA	DU	HCB	ANC	HK	US	10/6/64
7	ISSUED FOR CONSTRUCTION (AFC)	CB	ABA	DU	PN	ANC	SHL	US	2/6/61
8	RE-ISSUED FOR APPROVAL (AFD-1)	CB	ABA	DU	PN	U	SHL	US	2/6/61
9	ISSUED FOR APPROVAL (AFD)	CB	ABA	DU	PN	U	SHL	US	2/2/66
10	ISSUED FOR DETAIL DESIGN (ATP-2)	CB	ABA	DU	PN	DOF	HLM	SHL	1/6/65
REV.	DESCRIPTION	DRWN	CHGD	DESIG	CHGD	APPROV	ISSUED	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



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ABBR. FOR ISSUED
 C=CLIENT
 L=LICENSOR
 S=SITE
 V=VENDOR

CONTRACTOR :	ISSUE	MARK
 PT. INTI KARYA PERSADA TEKNIK <small>INDONESIA</small>  TOYO ENGINEERING CORPORATION		
	14	NOV/1

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

PIPING & INSTRUMENT FLOW DIAGRAM
AMMONIA RECTIFIER

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