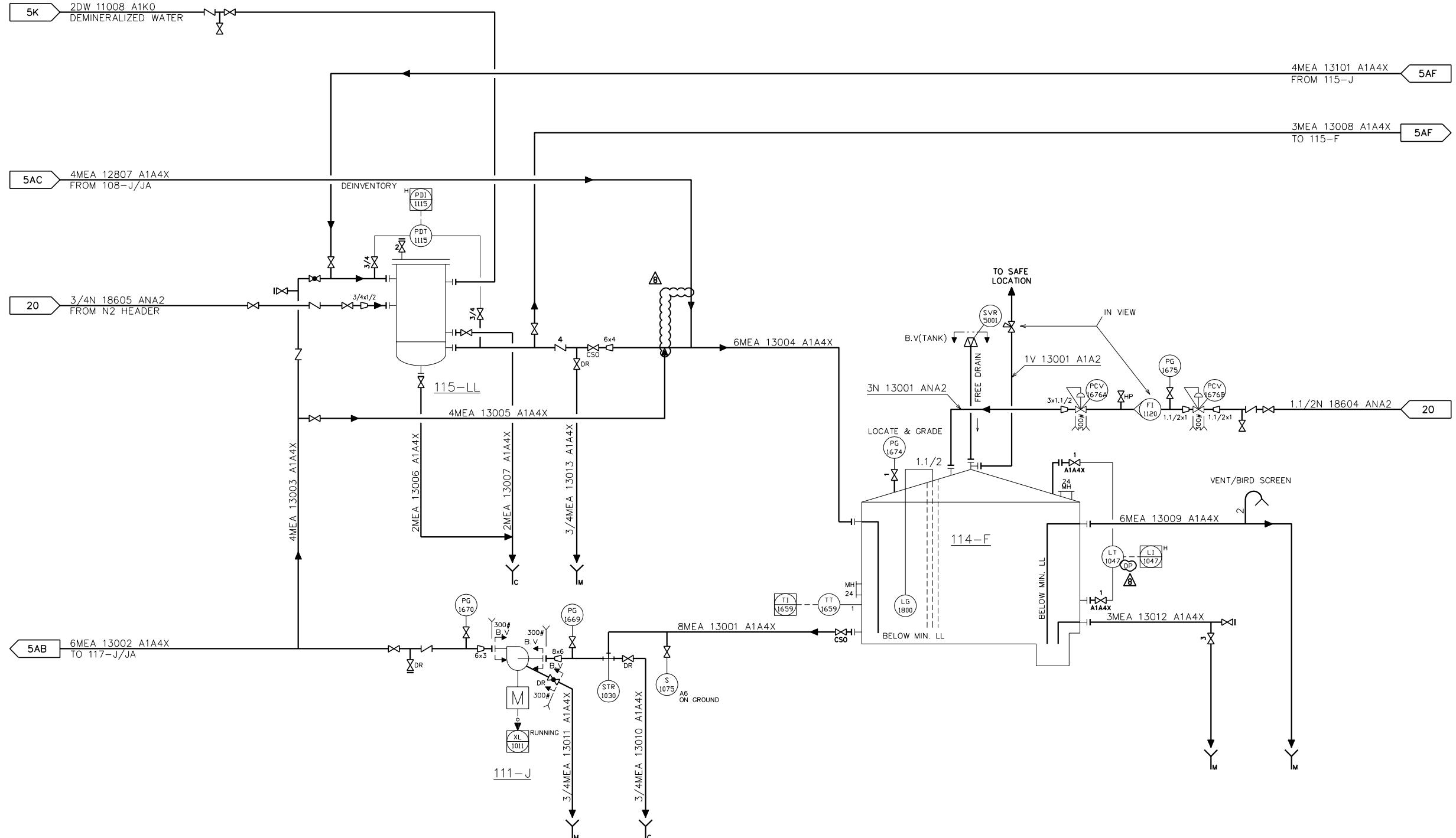


115-LL	
oMDEA SUMP FILTER	
DES./OPER.TEMP.	°C 100/30
DES./OPER.PRESS.	kg/cm ² G 5/2.9
MAX. ALLOW PRESS DROP	kg/cm ² 0.07(CLEAN) ; 0.35(FOULED)
ELEMENT MATERIAL	BV
VESSEL MATERIAL	Body : CS
CAPACITY	m ³ /h 25.3 (NORMAL); 30 (MAX)

114-F	
oMDEA SOLUTION STORAGE TANK	
DES./OPER.TEMP.	°C 100/37
DES./OPER.PRESS.	kg/cm ² G F.L.+125mmH2O/ATM
INSULATION/THICK	mm NO/-
MATERIAL	CS
DIMENSION (IDxH)	mm 12000x16500
VOLUME	m ³ 1866

NOTES

1. FOR GENERAL NOTES AND SYMBOLS SEE DRAWING 4A, 4B.



111-J	
oMDEA TRANSFER PUMP	
DESIGN CAPACITY	m ³ /h 80(RATED)
SUCT./DISCH.	kg/cm ² G 1.41/6.4
HEAD/NPSHR	m 62/2.5
TYPE OF SEAL	MECH. SEAL
POWER	KW 21.55
MAT. CASING/IMPELL.	A251 CF3/A351 CF3

REV.	DESCRIPTION	DRW.	CHD	DES.	CHD	APD	APD	AUTH	ISSUE	DATE
5/1	RE-ISSUED FOR CONSTRUCTION (AFC-3)	TS	ABA	DU	HOM	ANS	HK	US	OL	14/11/13
5/2	RE-ISSUED FOR CONSTRUCTION (AFC-2)	TS	ABA	DU	HOM	AM	HK	US	OL	28/06/13
5/3	RE-ISSUED FOR CONSTRUCTION (AFC-1)	TS	ABA	DU	HOM	AM	HK	US	OL	10/04/13
5/4	ISSUED FOR CONSTRUCTION (AFC)	EB	ABA	DU	RW	AM	SPK	US	OL	26/11/12
5/5	RE-ISSUED FOR APPROVAL (AFD-1)	EB	ABA	DU	RW	U	HK	US	OL	28/06/12
5/6	ISSUED FOR APPROVAL (AFD)	EB	ABA	DU	RW	U	HK	US	OL	28/06/12
5/7	ISSUED FOR DETAIL DESIGN (AFT-2)	EB	ABA	JW	YSH	BOP	HN	SH	OL	14/06/12
5/8	ISSUED FOR DETAIL DESIGN (AFT-1)	EB	ABA	JW	YSH	BOP	HN	SH	OL	28/06/12

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

Engineering Services by
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PIPING & INSTRUMENT FLOW DIAGRAM
oMDEA SOLUTION STORAGE TANK

SCALE : DWG. NO. K5-01-E1-PD-5AE-T
DOC. NO. K5-01-E1-PD-032-T SHEET 032/073 REV.8