

A1-BDR-00

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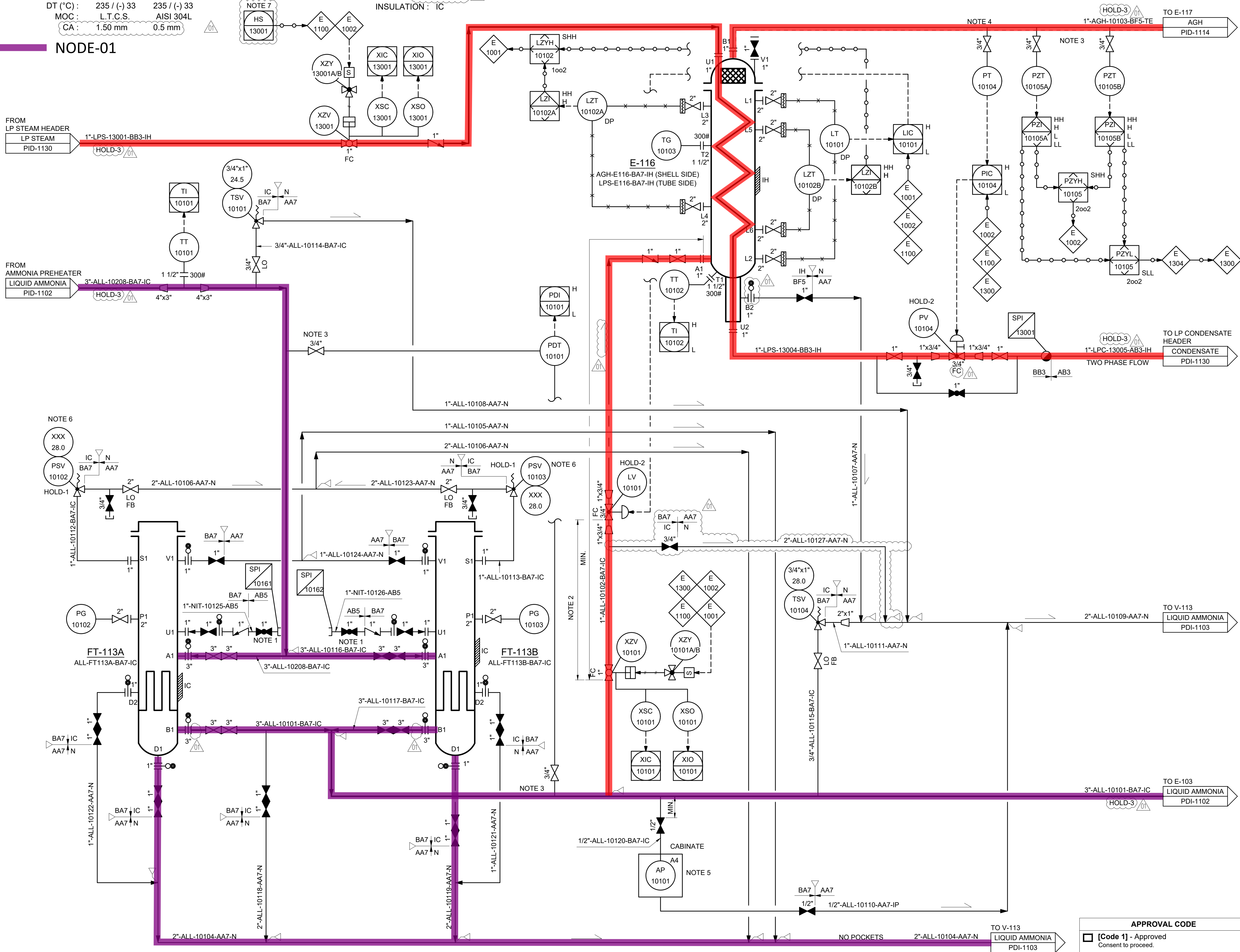
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E-116
AMMONIA EVAPORATOR FOR DENOX
TYPE : SHELL & TUBE
DUTY (kW) : 7.0
SHELL SIDE
DP (kg/cm²g) : 28.00
DT (°C) : 235 / (-) 33
MOC : L.T.C.S.
CA : 1.50 mm

FT-113A/B
LIQUID AMMONIA FILTERS
DP (kg/cm²g) : 28.00
DT (°C) : 85 / (-) 33
MOC : L.T.C.S.
CA : 1.50 mm
INSULATION : IC

NODE-06

NODE-01




- GENERAL NOTES
- FOR P&ID LEGEND, SYMBOLS, ABBREVIATION AND DETAILS REFER TO DWG NO. E23001-COM-PS-PID-1600 TO E23001-COM-PS-PID-1620.
 - FOR INTERLOCK TRIP LOGIC REFER TO LATEST CAUSE AND EFFECT DOC. NO.E23001-COM-PS-CED-1013.
 - ALL LOW POINTS TO BE PROVIDED WITH DRAINS AND HIGH POINTS TO BE PROVIDED WITH VENTS.
 - FOR FLUID CODE OF NAC, NGL, NGH, CLC, AND PRC, MOC OF ALL WETTED COMPONENT MUST BE SS304L. SS316 OR SS316L NOT TO BE USED AS ALTERNATIVE TO SS304L AS MOLYBDENUM IS SUBJECT TO ATTACK BY NITRIC ACID & NITRATE. ALSO SS304L SHOULD NOT HAVE MOLYBDENUM CONTENT IN IT. P&ID SHALL BE UPDATED IN ACCORDANCE WITH RESOLUTION OF COMMENT'S OF "E23001-CASL-PS-CED-2118_INTERLOCK DESCRIPTION" DOCUMENT.


- NOTES
- TEMPORARY NITROGEN CONNECTION.
 - VOLUME OF LIQUID AMMONIA LINE WITHOUT INSTALLED SAFETY VALVES IS LIMITED TO 50 LITERS.
 - PIPING CONNECTION TO BE TOP MOUNTED AND TAPPING CONNECTION SHALL BE CLOSE TO FILTER.
 - LINE EL. TRACED ON 50 °C (PROCESS REASON).
 - SAMPLING OF LIQUID AMMONIA TO HIGH PRESSURE SAMPLE CYLINDER. PSV SET PRESSURE SHALL BE ADJUST TO ACCOUNT FOR LIQUID STATIC HEAD.
 - HS-13001 SHALL BE PROVIDED ON DCS HMI FOR REMOTE OPERATION OF (XZV-13001). THE (HS-13001) SHALL NOT BE COMBINED WITH ANY INTERLOCK LOGIC.

- HOLDS
- PSV SIZE, SET PRESSURE AND PSV INLET, OUTLET LINE SIZE.
 - CONTROL VALVE SIZE, BYPASS AND HANDWHEEL REQUIREMENT.
 - LINE SIZE TO BE CONFIRMED BASED ON HYDRAULIC CALCULATION.

REV.	DATE	REVISION DESCRIPTION	DRN. BY	CHKD. BY	APPR. BY
01	16.02.24	ISSUED FOR HAZOP	LAN	SMA	HMA
00	27.12.23	ISSUED FOR REVIEW	LAN	SMA	HMA

CLIENT :
 CHAMBAL FERTILISERS AND CHEMICALS LTD
GADEPAN, KOTA (RAJASTHAN, INDIA)

EPCC CONTRACTOR :
 L&T Energy
L&T ENERGY - HYDROCARBON, AdVENT

LICENSOR :
 CASALE
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TEL: +41 91 6419200. www.casale.ch

LICENSOR DWG. NO. A14900N-E-PDI-0101

PROJECT TITLE : TECHNICAL AMMONIUM NITRATE PROJECT

DRAWING TITLE :
PIPING AND INSTRUMENTATION DIAGRAM
AMMONIA EVAPORATION I - NITRIC ACID UNIT

APPROVAL CODE	
<input type="checkbox"/> [Code 1] - Approved	Consent to proceed.
<input type="checkbox"/> [Code 2] - Comments As Noted	Work may proceed subject to incorporation of comments.
<input type="checkbox"/> [Code 3] - Rejected	Revise and Resubmit. Work shall not proceed
<input type="checkbox"/> [Code 4] - Information only	Accepted for information only.
Date: -	Approver: -

JOB No.	DRAWING NUMBER	SHEET
E23001	E23001-WNA-PS-PID-1101	1 OF 1
SCALE:- NTS		REV.
		01

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