



LEGEND

PLC BASED INSTRUMENT LOCAL, PANEL MOUNTED INSTRUMENT

LOCAL, DIRECT MOUNTED INSTRUMENT REMOTE MOUNTED INSTRUMENT

PROCESS EQUIPMENT TRIP FUNCTION

LINE CLASSES

1B : ANSI 150# RATED SYSTEM, A106 Gr. B CARBON STEEL, MIN. TEMP. -10°C

1A3 -ANSI 150# RATED SYSTEM, A312 Gr.304 STAINLESS STEEL MIN. TEMP. -104°C

GENERAL NOTES

VENTS / TESTING DRAINS TO BE PLACED IN APPROPRIATE POSITIONS BY OTHERS

I/P'S AND REMOTE OPEN/CLOSE FACILITIES PROVIDED FOR ALL CONTROL VALVES

RUNNING AND FAULT INDICATION PROVIDED FOR ALL MOTORS

ALL PSV AND TSV OUTLETS TO CONNECT INTO TOP OF HEADER

NOTES

1. NITROGEN GENERATION PLANT & ASSOCIATED INSTRUMENTATION EXISTING ON SITE.
2. MARKED VALVES TO BE LOCATED AT THE TOP OF THE TANK, ADJACENT TO TOWER STAIR.
3. UTILITY STATION.
4. TEMPORARY FLEXIBLE HOSE FOR PUMP REMOVAL.
5. CONNECTION FOR FUTURE ETHYLENE STORAGE TANK.
6. SUPPLY OF N₂ FOR SAMPLING POINT LOCATIONS.
7. NOT USED.
8. ANY ADDITIONAL VENTS/PRESSURE RELIEFS FROM REFRIGERATION SYSTEM TO BE PIPED INTO P-1402-6"-IA3-N.
9. FLOW INDICATOR TO BE AS CLOSE AS POSSIBLE TO VENT HEADER.
10. VENT HEADER TO HAVE AN ELLIPTICAL HEAD.

APPROVED

By Ismail at 9:47 am, Dec 17, 2014

07	05/09/09	AS BUILT	SZH	BIK	-
08		AS BUILT (CR-088)	JS		
09	12/08/08	TITLE, YORK VALVES AND LINES MODIFIED & ADDED (CR-089)	JS	JM	MH
04	03/07/08	APPROVED FOR CONSTRUCTION (CR-041)	JS	LUC	AGS
03	14/03/08	APPROVED FOR CONSTRUCTION (CR-026 AND CR-082)	JS	LUC	MH
02	20/12/07	NITROGEN CONNECTION TYPE MODIFIED (CR-008)	JS	AGS	AGS
01	19/10/07	POST DESIGN REVIEW / HAZOP (CR-002)	JS	LUC	MH
00	20/07/07	FOR DESIGN REVIEW/HAZOP	JS	LUC	AJS
REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPR.

CLIENT

ENGRO VOPAK TERMINAL LIMITED

PROJECT

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TITLE

P&I Diagram NITROGEN & VENT SYSTEM

DRAWING No.	REV.	NEXT SHEET	SCALE	SIZE
07006-PD-10-006-01	07	-	NTS	A1

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