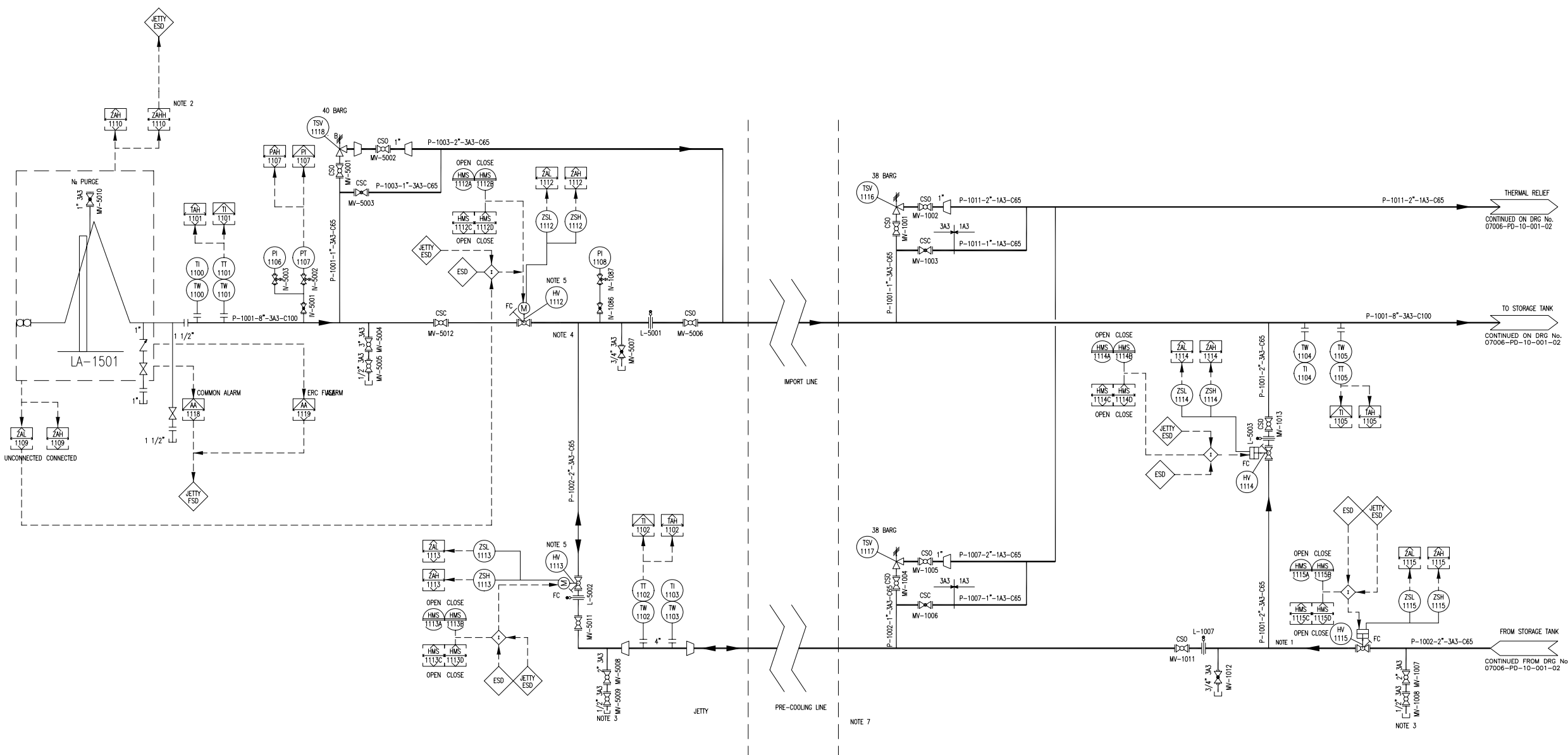
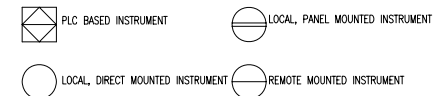


APPROVED
By Ismail at 9:48 am, Dec 17, 2014



LA-1501
SHIP TO SHORE
LOADING ARM

LEGEND



PROCESS EQUIPMENT TRIP FUNCTION



LINE CLASSES

1A3 :ANSI 150# RATED SYSTEM, A312 Gr.304 STAINLESS STEEL MIN. TEMP. -104°C
3A3 :ANSI 300# 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. CONNECTION BETWEEN PRE-COOLING & IMPORT LINES TO BE AS CLOSE TO THE TANK AS POSSIBLE.
2. Z44H INDICATES LOADING ARM IS EXTENDED TO LIMIT.
3. TEMPORARY CONNECTION FOR COMMISSIONING AS CLOSE AS POSSIBLE TO ROAD FOR USE WITH ROAD TRUCK.
4. PRECOOLING LINE TO JOIN IMPORTING LINE AS CLOSE TO THE JETTY AS POSSIBLE.
5. CONTROL VALVES HW1112 & HW-1113 ARE ELECTRO-HYDRAULIC TYPE.
6. SELECTOR SWITCH SUPPLIED TO DEFINE VALVE POSITIONS FOR IMPORTING & PRECOOLING.
7. AS CLOSE AS POSSIBLE TO STORAGE TANK TO MINIMISE PIPEWORK.
8. VALVE POSITIONING FOUND ON DOCUMENT 07006-TM-20-004-00.

DESIGN DATA					
ITEM No	SERVICE	LINE SIZE	DESIGN PRESSURE (bar g)	OPERATING TEMPERATURE (°C)	INSULATION (mm)
LA-1501	SHIP TO SHORE LOADING ARM	8"	40	-104	N/A

07	05/09/09	AS BUILT	SZH	BIK	-
06		AS BUILT (CR-088)	JS		
05	17/07/08	MV-5012 VALVE TEXT WAS CSO (CR-060)	JS	AGS	AGS
04	26/06/08	APPROVED FOR CONSTRUCTION (CR-041)	JS	LUC	AGS
03	14/03/08	APPROVED FOR CONSTRUCTION	JS	LUC	MH
		(CR-025, CR-027 AND CR-032)			
02	20/12/07	UPDATED TO CLIENT COMMENTS (CR-015)	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	LC	AJS
REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPR.

CLIENT **████████████████████**



PROJECT	
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**ETHYLENE STORAGE AND HANDLING FACILITY
KARACHI, PAKISTAN**

<p>Excellent Engineering Solutions</p>  <p>JOHN J. NICH LAURENCE</p>	<p>WEIR LGE PROCESS</p>	<p>Young House 42 Discovery Terrace Edinburgh EH14 4AP Scotland U.K. Tel. : +44(0)131 317 8787 Fax. : +44(0)131 452 3333 E-mail : info@lgeprocess.com</p>
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TITLE	P&I Diagram ETHYLENE IMPORT LINE
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DRAWING No.	REV.	NEXT SHEET	SCALE	SIZE
07006-PD-10-001-01	08	02	NTS	A1

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