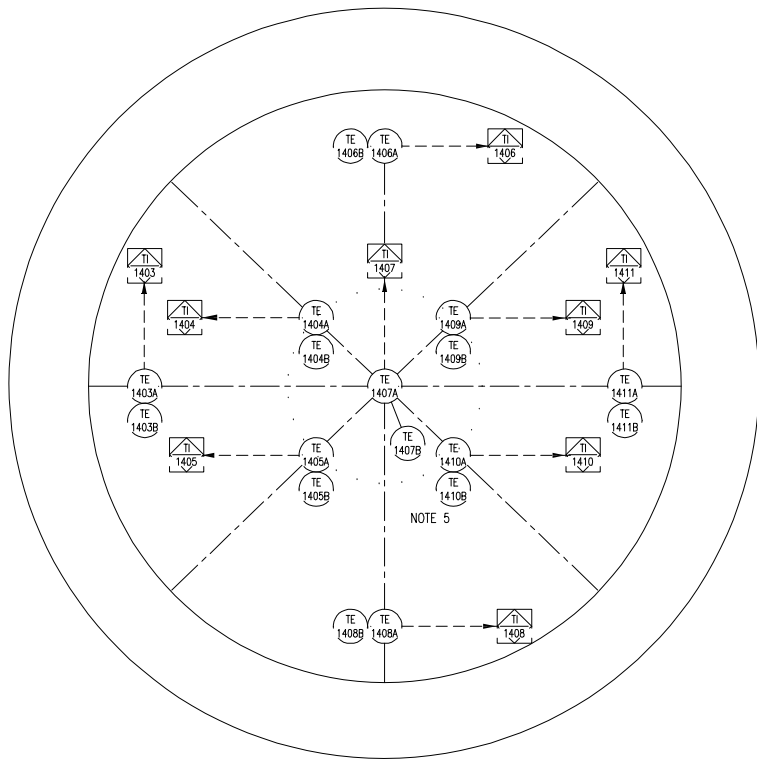
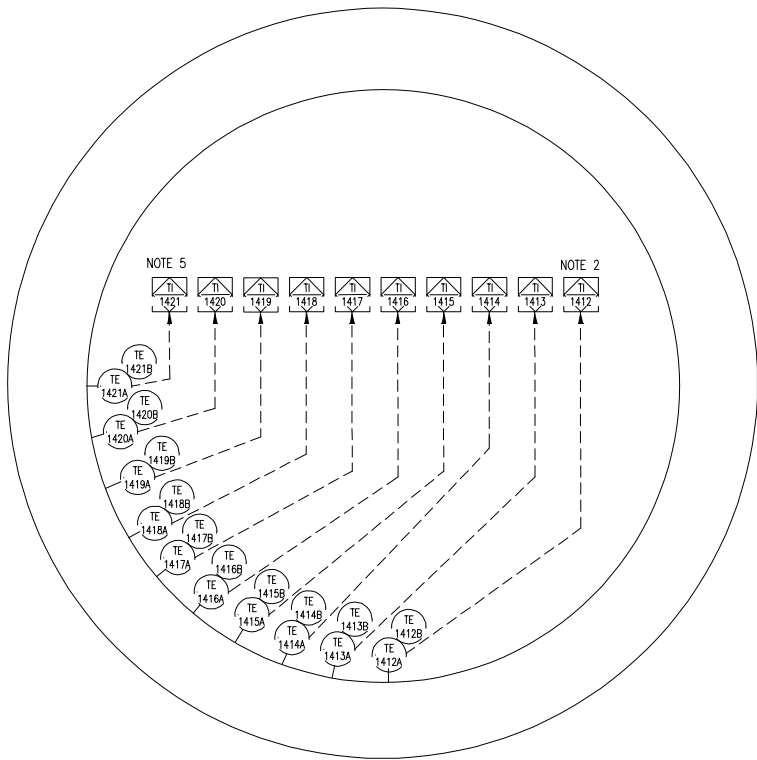


COOLDOWN MONITORING – PLAN VIEW

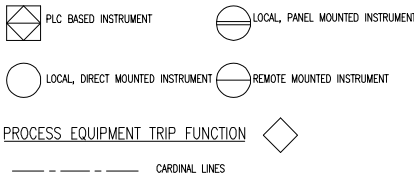


BOTTOM COOLDOWN MONITORING – PLAN VIEW (INSIDE TANK)
NOTE 1



INNER WALL COOLDOWN MONITORING – PLAN VIEW

LEGEND



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

- TEMPERATURE ELEMENTS (9 OFF) FOR COOLDOWN LOCATED ON THE TANK BOTTOM INSIDE SURFACE.
- TEMPERATURE ELEMENTS (10 OFF) FOR COOLDOWN LOCATED ON THE INTERNAL SKIN OF THE INNER TANK. ELEMENTS TO BE EVENLY DISTRIBUTED AROUND QUADRANT OF THE TANK AND UP THE TANK HEIGHT.
- TEMPERATURE ELEMENTS (2 OFF) ON SUSPENDED DECK BELOW INSULATION.
- NOT USED.
- COOLDOWN ALARM GENERATED IF THERE IS MORE THAN 5°C BETWEEN ADJACENT COOLDOWN TEMPERATURE ELEMENTS (DURING COMMISSIONING)
- ALL TEMPERATURE ELEMENTS TO BE DUPLEX 3-WIRE RTD'S.
- 3 OFF 10" NOZZLE FOR RTD CABLING SHOWN ON 07006-PD-10-001-02 (K6A-K6C)

04	05/09/09	AS BUILT	SZH	BIK	-
03		AS BUILT (CR-088)	JS	LUC	MH
02	14/03/08	APPROVED FOR CONSTRUCTION (CR-032)	JS	LUC	MH
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	ENGRO VOPAK TERMINAL LIMITED
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PROJECT	ETHYLENE STORAGE AND HANDLING FACILITY KARACHI, PAKISTAN
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TITLE	P&I Diagram ETHYLENE STORAGE TANK TEMPERATURE MONITORING
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DRAWING No.	REV.	NEXT SHEET	SCALE	SIZE
07006-PD-10-001-04	04	-	NTS	A1

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APPROVED

By Ismail at 9:50 am, Dec 17, 2014