

GENERAL DATA

1 CAPACITY	11 m ³
2 TAG No.	V-8232
3 QUANTITY	1 NO.

DESIGN DATA

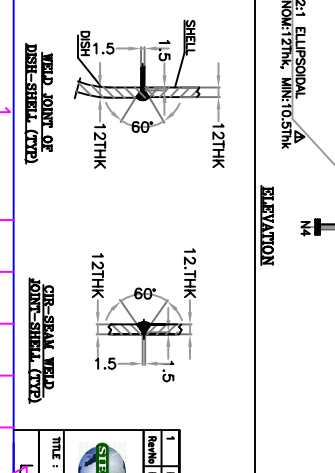
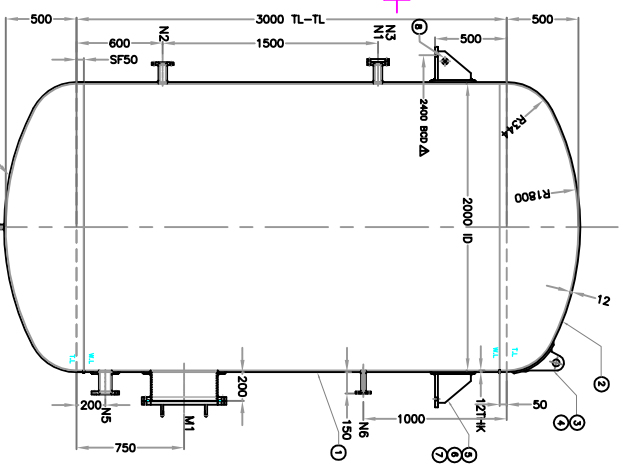
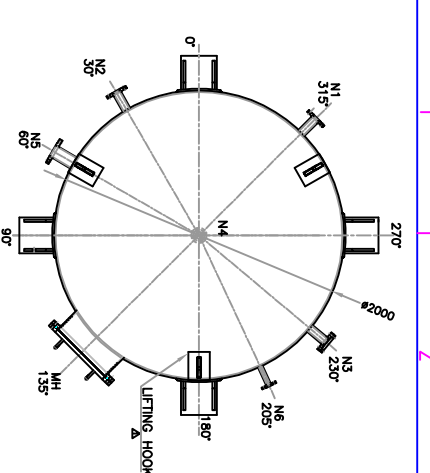
PARTICULARS		
DESIGN & FABRICATION CODE	UNIT	ASME SEC VIII, DIV-1-2010 A
DESIGN PRESSURE	kg/cm ²	F.V / 10
DESIGN TEMPERATURE	°C	55
WORKING PRESSURE	kg/cm ²	8.5
WORKING TEMPERATURE	°C	45 - 50
HIGHEST PRESSURE	kg/cm ²	13 kg/cm ² d
CORROSION ALLOWANCE	mm	1.5
RAZORSCREY (SHELL / DRN)		SPOT + ALL T. POINTS / RUL
JOINT EFFICIENCY (SHELL / DRN)		0.85 / 1
EMPTY WEIGHT	kg	~3300
WEIGHT (FULL OF WATER)	kg	~14800

MATERIAL OF CONSTRUCTION

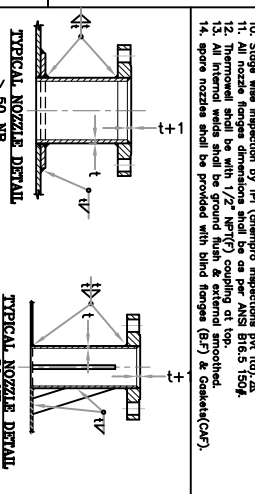
S.NO.	DESCRIPTION	MATERIAL/SPECIFICATION	MOQ	QTY.
1	SHELL	2000 ID x 3000(TL-1L) x 12 THK	IS 2002 G-8	1
2	DRN	2000 ID x 12 THK	IS 2002 G-8	2
3	LIFTING HOOK PAD PLATE	275 x 150 x 12 THK	IS 2002 G-8	3
4	LIFTING HOOK	250 x 205 x 20 THK	IS 2002 G-8	3
5	LUG PAD PLATE	300 x 300 x 12 THK	IS 2002 G-8	4
6	LUG BASE PLATE	230 x 250 x 20 THK	IS 2002 G-8	4
7	LUG GUSSET PLATE	220 x 230 x 16 THK	IS 2002 G-8	4
8	EARTHING BOSS	440 x 50 L	IS 3304 A	2

NOZZLE SCHEDULE

MARK	RTY	SIZE	SEC	THK	ROLL	RATE	TYPE	SERVICE	MOQ	REMARKS
M1	1	450	RTHK	Δ	200	150J	SOFR	MAINWOLE	IS 2002 G-8	WITH DWMT
M1	1	60	SCH 80	150	150J	SOFR		NITROGEN INLET	SA 106 G-8	
M2	1	50	SCH 160	150	150J	SOFR		NITROGEN OUTLET	SA 106 G-8	
M3	1	50	SCH 160	150	150J	SOFR		SPRINK	SA 106 G-8	WITH B/F
M4	1	25	SCH 160	150	150J	SOFR		DRAIN	SA 106 G-8	WITH B/F
M5	1	80	SCH 80	150	150J	SOFR		SAFETY RELIEF	SA 106 G-8	
M6	1	25	SCH 160	150	150J	SOFR		P.G	SA 106 G-8	



- NOTE:**
- All dimensions are in mm unless otherwise specified.
 - Nozzle flanges have 1/8" NPT test hole & shall be soep solution tested with air at 1.5 kg/cm² (G). And holes closed with welding and then ground finish.
 - All nozzle less than 50NB shall be provided 2 nos of 30 wide x 6 thk stiffeners 90° dep. opt.
 - Bottom & dove nozzles shall be provided with R.F. post and tested with water with air at 10 bar.
 - All nozzles shall be SORF and shall be SERIALISED finish.
 - Butt welds inaccessible for back-chipping shall be F.P.W with root run by TIG.
 - All nozzle pipes upto 200NB shall be seamless and above shall be fabricated from schedule 40 pipe.
 - All the CS unimachined surfaces shall be polished with two coats of zinc chromate primer after thoroughly wire brushing and cleaning the external surface.
 - No. of surface inspection by TPI (Chempco Inspection Bt 140) Δ
 11. All the surface inspection shall be as per SANS B15.9:150J.
 12. Thermowell shall be with 1/2" NPT(F) coupling at top.
 13. All internal welds shall be ground flush & external smoothed.
 14. spore nozzles shall be provided with blind flanges (B.F) & Gaskets(G.K).



1		REVISED AS PER CUSTOMER COMMENTS				NS	Checked
Revise		Revision note	Date	Signature			
			07/07/11				
SIECO ENGINEERS PVT. LTD.							
NO. 23, BOVALASAINDRA IND AREA, BANGLALORE - 560099, INDIA							
REF: P.O No. - 7021550		REV: 0			31-0CT-11		
CLIENT: HIKAL LTD.		PROJECT: ADI-8 (P-7183)					
DRAWN		CHECKED		APPROVED			
SDDHU		MS		SOS			
TITLE: STORAGE TANK FOR NITROGEN			DATE: 2011/11/11			DRG. NO. SC0/HKAL/P-025/11-12/018	
SCALE: NTS			SHEET 1 OF 2			REV 1	