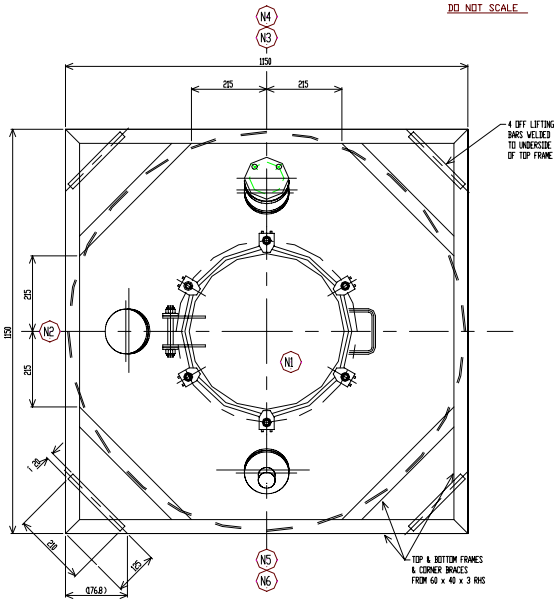
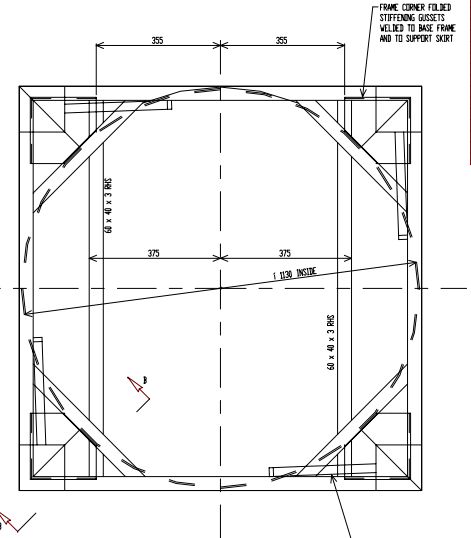
DO NOT SCALE

IF IN DOUBT - ASK

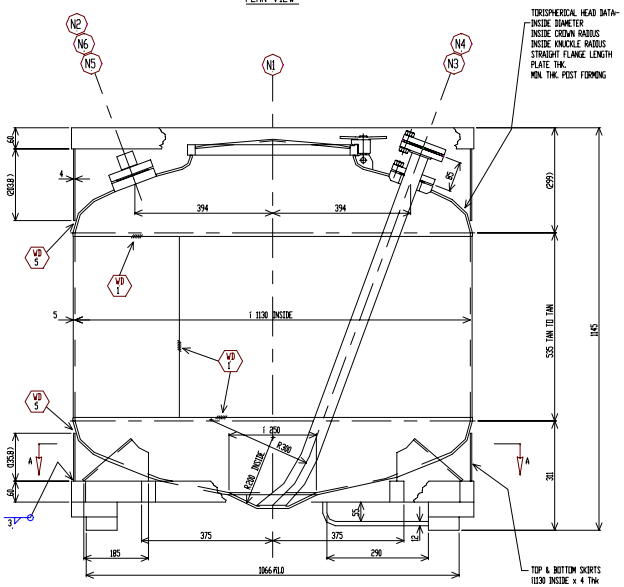
THIRD ANGLE PROJECTION

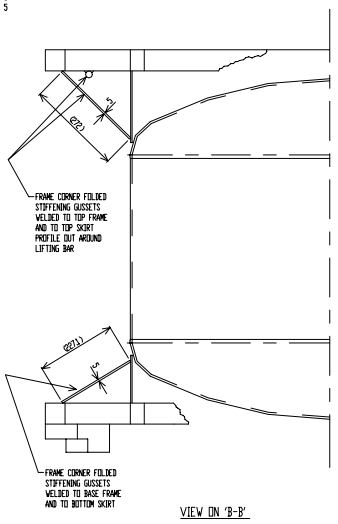


PLAN VIEW



VIEW ON 'A-A' OF BASE





VIEW ON 'B-B'

NOZZLE DATA

MARK	SERVICE	No OFF	NOM SIZE	NOZZLE STANDOUT CL. VESSEL TO FACE	FLANGE TYPE/CLASS/RATING	NECK O/D	NECK SCH	NECK WALL	LAP JOINT STUB END FOR O/D	LAP JOINT STUB END FOR THK	REINFORCING PAD O/D	REINFORCING PAD I/D	REINFORCING PAD THK	WELD DETAILS: FLANGE OR STUB END TO NECK DET'L	FLANGE OR STUB END TO NECK (a)	FLANGE OR STUB END TO NECK (b)	FLANGE OR STUB END TO NECK (c)	FLANGE OR STUB END TO NECK (d)	NECK TO VESSEL DET'L	NECK TO VESSEL (a)	NECK TO VESSEL (b)	NECK TO VESSEL (c)	NECK TO VESSEL (d)	BLIND FLANGE REQ'D'S	GASKET O/D	GASKET SIZE I/D	BOLTING QTY	BOLTING THREAD	BOLTING LENGTH	REMARKS	MARK
N1	MANWAY	1	460	-	SEE DRG A0/070	-	-	-						-	-	-	-		INTEGRAL SWEPT BRANCH													N1
N2	INLET	1	1½"	-	9" PAD 1500	-	-	-						-	-	-	-		W03						YES	85	49	4	1/2"	7B		N2
N3	OUTLET PAD	1	-	-	SPECIAL	-	-	-						-	-	-	-		W03						YES	85	62	4	1/2"	5G		N3
N4	OUTLET DIP PIPE	1	1½"	-	RF/WN 1500	48.26	40s	3.68						W04	4	6			SEE DETAIL						YES	85	49	4	1/2"	7B		N4
N5	BURSTING DISC	1	2½"	-	SPECIAL PAD	-	-	-						-	-	-			W03									6	M10	-		N5
N6	RELIEF VALVE	1	1"		SPECIAL									-	-	-			-													N6
N7	PT	1	1"		BSP THREAD									-	-	-			-													N7

DESIGN DATA

DESIGN CODE & SPEC'S	ASME VIII Div. 1 : 1998 AIR, RID, IMDGC, IBT SX, IM101 & IM102
DESIGN PRESSURE	6.9 bar & FULL VACUUM
OPERATING PRESSURE	-----
DESIGN TEMPERATURE	138 øC
OPERATING TEMPERATURE	-----
TEST PRESSURE	10.5 bar
CORROSION ALLOWANCE	NIL
RADIOGRAPHY	NONE
NDT (OTHERS)	DYE PEN.
HEAT TREATMENT	NONE
MAX ALLOW WORKING PRESSURE	-----
CONTENTS	VARIOUS LIQUIDS (Max. SG = 2.6)
CAPACITY (CALCULATED)	826 Litres
INSPECTION AUTHORITY	BUREAU VERITAS
INSULATION	NONE
PAINTING/FINISH	ALL WELDS TO BE DESCALED & WELD SPATTER REMOVED ASSEMBLY TO BE THOROUGHLY CLEANED AND DRIED
WEIGHTS - EMPTY = 430 kg	FULL OF LIQUID (SG = 2.6) = 2580 kg
CALCULATED HYDROTEST = 1260 kg.	

MATERIALS

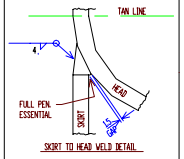
TANK		FRAME	
SHELL CYLINDER	ASTM A240-316	RHS (TUBE)	AISI 304
DISHED HEADS	ASTM A240-316	PLATE GUSSETS	ASTM A240-304L
COUPLING NOZZLES	ASTM A403-WP316	PLATE FEET	ASTM A240-304L
PAD NOZZLES	ASTM A479-316	LIFTING BARS	BS970-304S31
DIP PIPE	ASTM A312-316		
NOZZLE FLANGE	ASTM A182-F316		
BLIND FLANGES	ASTM A182-F316		
BURSTING DISK -			
- MOUNTING	ASTM A479-316		
NOZZLE GASKETS	GORE-TEX GR (1.5 mm Thk.)		
NOZZLE BOLTING	ISO506-A4-70		
MANWAY ASSY.	SEE DRG. A0/070		

GENERAL NOTES

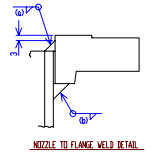
1. DRAWING PRACTICE IN ACCORDANCE WITH BS308.
2. ALL DIMENSIONS IN MILLIMETRES UNLESS SHOWN OTHERWISE
3. MACHINE WHERE MARKED ✓
4. WELDING SYMBOLS ARE IN ACCORDANCE WITH BS499 : PART 2
5. STANDARD FLANGES SHALL HAVE STOCK FINISH ON THE GASKET FACE TO - ANSI B16.5.
6. MANWAY NECK RING SHALL BE MACHINED ON THE GASKET FACE, WITH A CONTINUOUS SPIRAL GROOVE, TO GIVE AN N6 SURFACE FINISH (0.8 øm Ra)
7. FLANGED BOLT HOLES SHALL BE ARRANGED AS FOLLOWS:-
   (a) FOR NOZZLES WITH AXIS HORIZONTAL, BOLT HOLES SHALL STRADDLE THE FLANGE CENTRE LINES, PARALLEL TO THE AXIS OF THE VESSEL.
   (b) FOR NOZZLES WITH AXIS VERTICAL, BOLT HOLES SHALL STRADDLE THE FLANGE CENTRE LINES, PARALLEL TO THE CARDINAL PLAN VIEW CENTRE LINES OF THE VESSEL.
8. MANUFACTURING TOLERANCES SHALL BE TO ASME VIII Div. 1 AND BS5276 : Pt. 3.
9. MANWAY COVER & BOLTING IN ACCORDANCE WITH DRAWING A0/070 EXCEPT NECK & BOLT ATTACHMENT LUGS.

REFERENCE DRAWINGS - A0/067 - 800L TRANSPORTABLE CONTAINER - DETAILS
A0/070 - 1460 LOW PROFILE MANWAY

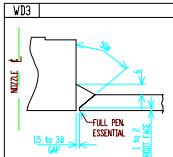
WD5



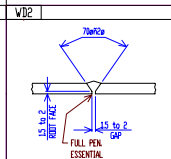
WD4



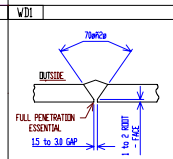
WD3



WD2



WD1



MEDVALE ENGINEERING Ltd.
289 ROCHDALE ROAD
TODMORDEN, ROCHDALE,
LANCS OL14 5BB
TEL. 01706 816364

M.E.L. Ref No J1148

PREPARED FOR

REV	A
DR'N	LATIMERLEY
CHK'D	A.S.
APP'D	
DATE	12/1/99

DESIGN CODE WAS BS5500/3
MATERIALS WERE BS SPEC.
DES. PRESS WAS 4.0 barg
MANWAY WAS 460 ID -
- TO DRG A0/070
CYL. SHELL WAS 4 THK.
HEADS WERE 5 THK/4 INS.
NOTES 5, 8 & 9 REVISED

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DR'N	LATIMERLEY
DATE	23/4/99
CHK'D	A.S.
APP'D	
SCALE	1 : 5

CLIENT

CUST. ID/No

TITLE GENERAL ARRANGEMENT OF 800 LITRE TRANSPORTABLE CONTAINER

DRAWING No A0/066

REV A