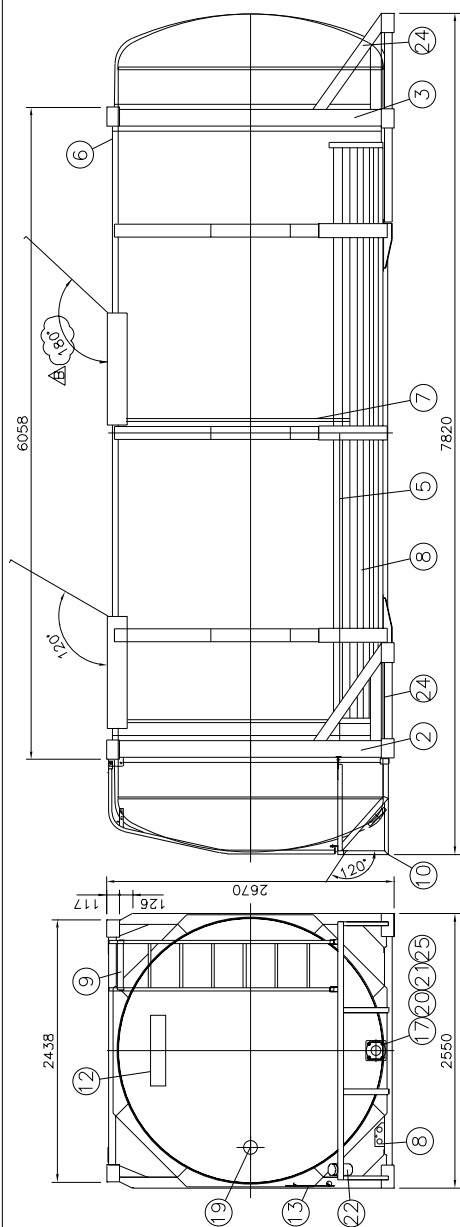


INTERIORS AND WELDING

SHELL	INTERNAL SHELL FINISH 2B FINISH
LONGITUDINAL WELDS	AS WELDED
CIRCULAR WELDS	BEAD PENETRANT FUSED WITH BOTTOM 600mm GROUND FLUSH & POLISHED TO 180 GRIT (Ra=1.3µm MAX).
DISHED ENDS	POLISHED TO 180 GRIT (Ra=1.3µm MAX).
WELD SEAMS	GROUND FLUSH
CLEANING	ON COMPLETION OF FABRICATION, THE VESSELS INTERNAL SURFACE IS TO BE DEGREASED, PICKLED, PASSIVATED AND NEUTRALISED. A WHITE CLOTH TEST IS TO BE PERFORMED ON THE INTERNAL SURFACE TO CHECK FOR CLEANLINESS. THE OPENING POINTS ARE TO BE SEALED SO THAT THE VESSEL IS SUPPLIED CLEAN AND READY FOR USE. A CLEANING CERTIFICATE IS TO BE PROVIDED IN THE DOCUMENT HOLDER.



MATERIAL SPECIFICATION

C	ASTM	A240	316	O	P.V.C.	Y	15/S	316	J	BRAIDED	PTFE
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PARTS LIST

No.	QTY	MAT	STOCK CODE	DESCRIPTION	DIMENSIONS	REFERENCE
1	1			TANK DETAILS		8113-02-03
2	1			REAR FRAME ASSEMBLY		8113-02-05
3	1			FRONT FRAME DETAIL		8113-02-07
4	3			WALKWAYS		8113-02-14
5	1			REMOTE CONTROL ASSEMBLY		8113-02-17
6	1			INSULATION DETAILS		8113-02-19
7	4			DRAIN TUBE DETAILS		8113-02-15
8	1			STEAM HEATING		8113-02-08
9	1			LADDER DETAIL		8113-02-11
10	1			REAR FRAME BUMPER		8113-02-10
11	1			DIPSTICK		CSTD 2157
12	1			MARKINGS		8113-02-20
13	1			DATA PLATE		8113-02-21
14	2			2½" SAFETY RELIEF VALVE ASSEMBLY		8113-02-22
15	1			1½" AIR INLET ASSEMBLY		8113-02-23
16	1			3" TOP DISCHARGE PROVISION		8113-02-24
17	1			3" BOTTOM DISCHARGE ASSEMBLY		8113-02-25
18	1	C/J		MANWAY & GASKET	Ø 300	1/0
19	1	Y		THERMOMETER	Ø 20 to 180°C	0 to 300°F
20	6	O		TIR SEAL		B.O.P.
21	10	Y		WIRE SEAL	Ø 2 x 120 LG	B.O.P.
22	1			DOCUMENT HOLDER		CSTD 400C
23	1			HAND RAIL		B.O.P.
24	4			STEPBACK DETAILS		SHEET 1 8113-02-06
25	1			BOTTOM DISCHARGE VALVE CABINET		8113-02-28
26	1	C/J		CLEANING HATCH & GASKET	Ø 300	1/0

TECHNICAL SPECIFICATION

CODES AND REGULATIONS
 INDC-IND TYPE 4, RID/ADR LEBN
 CSC, IFC, IFC/US, IFC 992-4, UK-DETR
 EN 13445-3, EN 13445-4, EN 13445-6
 3, 6.1, 8 & 9

CONTENTS: PRODUCT OF CLASS
 M.P.G.M. 34 000kg

TARE MASS
 18 000kg PER CORNER POST

STACKING LOAD
 VESSEL HEATING SYSTEM

MAXIMUM ALLOWABLE WORKING PRESSURE 6 BAR
 6 BAR SHP
 10 BAR FLD
 10 BAR

HYDROSTATIC TEST PRESSURE 6 BAR

CALCULATION PRESSURE 6 BAR

MAXIMUM EXTERNAL PRESSURE 0.4 BAR

TANK METAL DESIGN TEMPERATURE 130°C (266°F); -40°C (-40°F)

JOINT EFFICIENCY SHELL 0.85 DISHED END 1.0

RADIOGRAPHY SHELL SPOT DISHED END 100%

CORROSION ALLOWANCE HEADS 0.1mm

LEAKAGE TEST YES

DYE PENETRATION EXAMINATION NOZZLE TO SHELL JUNCTION WELDS

INSULATION: SHELL ROCKWOOL 50mm

INSULATION: HEADS GLASSWOOL - THICKNESS TO SUIT

CLADDING SHELL - ALUMINIUM GR. 5251 0.8mm WILL FINISH

CLADDING HEADS - G.R.P. 2mm END CAPS COLOURED WHITE - RAL 9010

FINISH: SHOTBLAST SA 2½

PAINT: FRAME 30µm DFT LIST COAT HEMPADOUR ZINC 1536
 30µm DFT 2ND COAT HEMPADOUR PRIMER 1530
 70µm DFT TOP COAT: HEMPADEX HIBUILD 4641

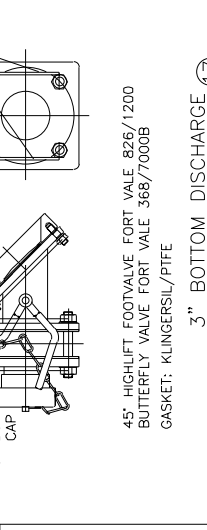
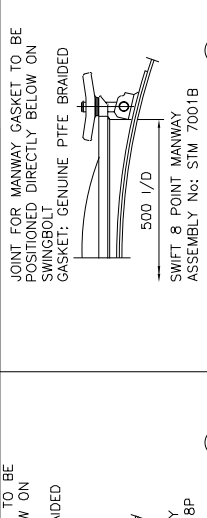
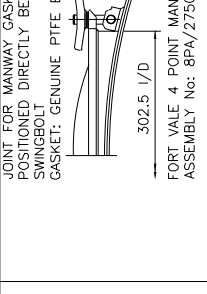
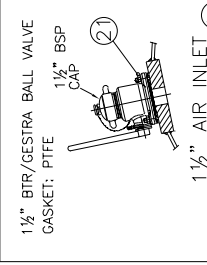
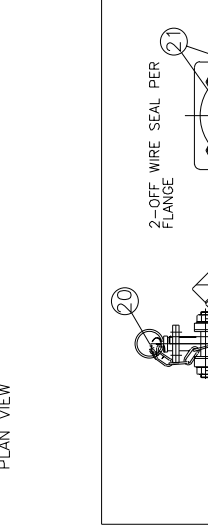
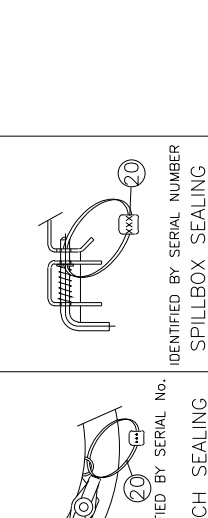
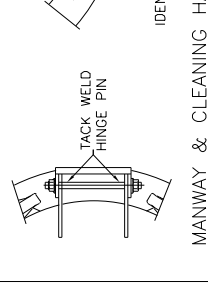
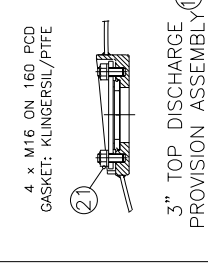
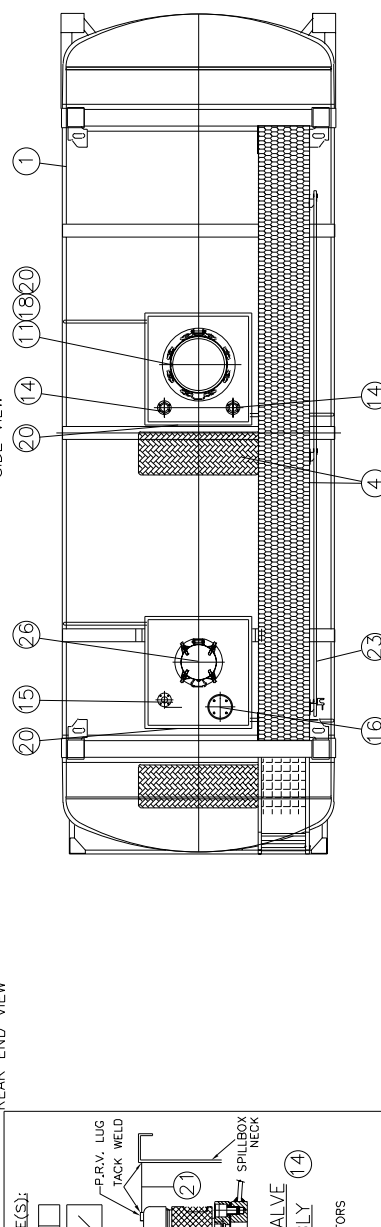
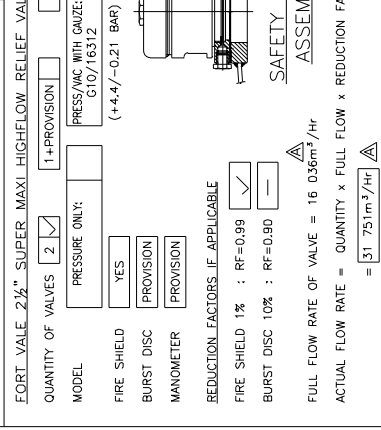
HENPEL MINIMUM DRY FILM THICKNESS 130µm DFT

TOP COAT COLOUR: JET BLACK RAL 9005

LADDER HOT DIP GALVANISED

ANTI STRESS CORROSION LACOUER OVER COMPLETE BARREL (15 to 25µm D.F.T.)

INSPECTION AUTHORITY EUROPEA VERITAS
 P NUMBERS P32746 TO P32765



REVISION E

AUTHORITY	DATE	DESCRIPTION	SIGN	DATE	DESCRIPTION	AUTHORITY	SIGN	DATE	DESCRIPTION
DRAWN		DESIGN				DRAWN			
		QUALITY ASSURANCE							
		CONTRACTS							
		INSPECTION AUTHORITY							

REVISION D

AUTHORITY	DATE	DESCRIPTION	SIGN	DATE	DESCRIPTION	AUTHORITY	SIGN	DATE	DESCRIPTION
DRAWN		DESIGN				DRAWN			
		QUALITY ASSURANCE							
		CONTRACTS							
		INSPECTION AUTHORITY							

REVISION C

AUTHORITY	DATE	DESCRIPTION	SIGN	DATE	DESCRIPTION	AUTHORITY	SIGN	DATE	DESCRIPTION
DRAWN		DESIGN				DRAWN			
		QUALITY ASSURANCE							
		CONTRACTS							
		INSPECTION AUTHORITY							

REVISION B

AUTHORITY	DATE	DESCRIPTION	SIGN	DATE	DESCRIPTION	AUTHORITY	SIGN	DATE	DESCRIPTION
DRAWN		DESIGN				DRAWN			
		QUALITY ASSURANCE							
		CONTRACTS							
		INSPECTION AUTHORITY							

REVISION A

AUTHORITY	DATE	DESCRIPTION	SIGN	DATE	DESCRIPTION	AUTHORITY	SIGN	DATE	DESCRIPTION
DRAWN		DESIGN				DRAWN			
		QUALITY ASSURANCE							
		CONTRACTS							
		INSPECTION AUTHORITY							

NOMINAL DIMENSIONS (SHORT SIZE OF TRIANGLE)

LENGTHS & MINUTES	1000	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000
A	± 20	± 15	± 10	± 6	± 4.5	± 3	± 1	± 2	± 3	± 4	± 4	± 4	± 4	± 4	± 4	± 4	± 4
B	± 45	± 30	± 20	± 13	± 9	± 6	± 2	± 2	± 3	± 4	± 4	± 6	± 8	± 10	± 12	± 14	± 16
C	± 45	± 30	± 18	± 13	± 9	± 3	± 4	± 6	± 8	± 11	± 14	± 17	± 21	± 24	± 27	± 30	± 33
D	± 130	± 115	± 11	± 26	± 22	± 18	± 4	± 7	± 9	± 12	± 16	± 21	± 27	± 33	± 40	± 48	± 57

FROM 0-30 TOLERANCE ±1 DIN 8570 PART 1

GENERAL ARRANGEMENT

20 x 35 000 LITRE ST42 SWAP TANK

SCALE 1:25

O.C.I. DRAWN T.L.B. CHECKED T.L.B.

CLIENT T.L.B.

WORKS 8113

ORDER 8113-02-00

DATE 17/5/02

CONSANI ENGINEERING (PTY) LTD

ELSES RIVER CAPE SOUTH AFRICA

INTERMODAL CONTAINERS

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