



OPERATING MANUAL AND
SERVICING HANDBOOK

CLIENT: O.C.I./TANKSPAN

W.O. 2641

20 * 24000L FRAME TANK CONTAINERS

SERIAL NUMBERS: TASU 214021 TO TASU 214040

DATE: FEBRUARY 1997



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3. DESCRIPTION OF THE FUNCTIONAL PARTS OF A CONTAINER
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This Container is an IMO Type 1, manufactured in accordance with ISO and IMO Standards, using the ASME Code, Section VIII, Division 1.

The present Container is designed for the International Transport of Class 3, 6, 8 and 9 Products (RID/ADR).

1. GENERAL TECHNICAL CHARACTERISTICS

1.1 Capacity

24000 litres in a single compartment (6340 US Gallons)

1.2 Frame Dimensions and Weight

| | | |
|---------------------------|---|--------------------|
| Length | : | 6058mm (20'0") |
| Width | : | 2438mm (8'0") |
| Height | : | 2591mm (8'6") |
| Maximum gross weight | : | 36000kg (79365lbs) |
| Frame tested at | : | 36000kg (79365lbs) |
| Tare weight (approximate) | : | 4000kg (8818lbs) |

1.3 Shell and Heads

| | | |
|-------------------------|---|---|
| Shell Material | : | DIN 17441 W1.4401 with $c \leq 0.03\%$ |
| Dished End Material | : | DIN 17440 W1.4401 with $c \leq 0.03\%$ |
| Minimum shell thickness | : | 4,6 mm |
| Minimum head thickness | : | 5,9 mm (after forming) |

1.4 Pressures

| | | |
|--------------------------------|---|----------------|
| Working pressure | : | 4 bar (58 psi) |
| Test pressure | : | 6 bar (87 psi) |
| Calculation pressure (RID/ADR) | : | 6 bar (87 psi) |



1.5 Design Temperature

120°C (248°F)

1.6 Radiography of Welds

| | | |
|------------|---|------------|
| Shell | : | Spot X-Ray |
| Dished end | : | 100% X-Ray |

1.7 Approvals

- IMO
- DOT US
- AAR 600
- RID/ADR
- CSC
- TIR/CUSTOMS
- TC
- UIC

1.8 Insulation

Lagging:

- Shell 25mm Rockwool - density 80kg/m³, 25mm Polyurethane - density 36kg/m³,
- Dished Ends : Rockwool/Polyurethane combination
- 50mm Rockwool at the steam heating panels

Cladding:

- 0,8mm thick marine grade aluminium - prepainted white.



2. CONTAINER IDENTIFICATION

SEE TANK MARKINGS DRAWING
2641-97-1046 REV 0

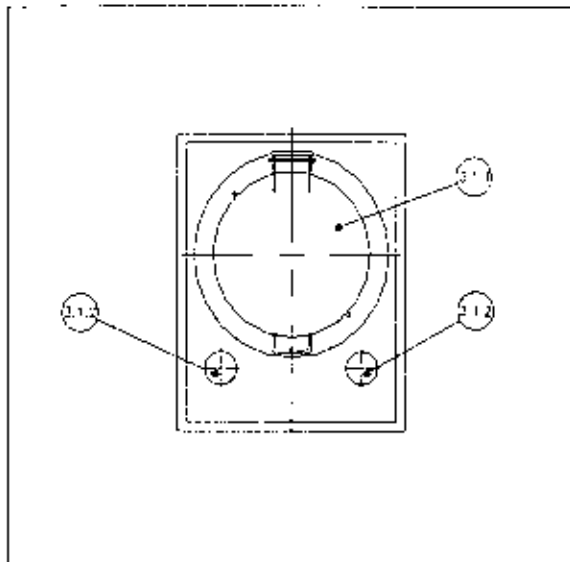


3. DESCRIPTION OF THE FUNCTIONAL PARTS OF A CONTAINER

3.1 Central Spillbox

3.1.1 Manhole

3.1.2 Safety Relief Valve





3.1.1 Manhole

A manhole is provided at the top of the Container near the centre. This manhole has an internal diameter of 500mm. To open the cover, hinges are provided and tightening is achieved by means of 8 swingbolts. The gasket is made of genuine PTFE braided fibre.

3.1.2 Safety Relief Valves

Each Container is fitted with 1 valve with 1 provision for a safety relief valve. These sets are located on either side of the upper centreline next to the manhole.

The safety relief valve is stainless steel:-

FORT VALE: Part No. 010/16300

| | | | | |
|--------|---|-------------------|---|-----------|
| Rating | : | Positive pressure | : | +4,4 bar |
| | : | External pressure | : | -0,21 bar |

It is fitted with a Fortyt gasket.

No rupture disc fitted.

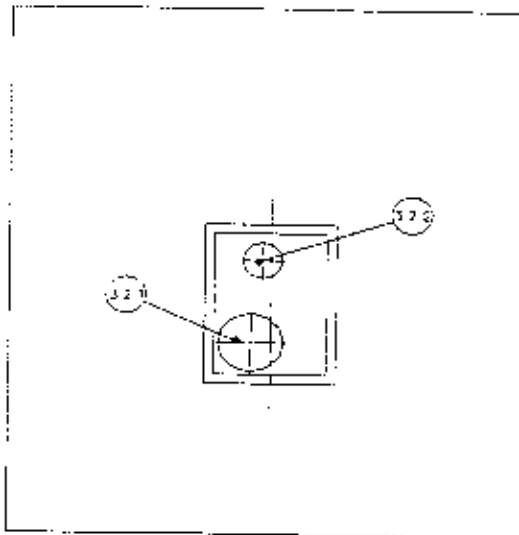
K-SIL/PTFE gasket fitted.



3.2 Rear Spillbox

3.2.1 Filling and discharge systems

3.2.2 Air inlet





3.2.1 Filling and Discharge Systems

The Container includes a drainage system at the top, consisting of 3 flanges (tank pad flange, syphon pipe flange and blank flange) with provision for syphon pipe. The drilling is such that the 3" butterfly valve (Fort Vale, Part No. 368/7000) on the bottom discharge can be used with the top discharge, if so required.

3.2.2 Air Inlet

Consist of a 1½" FBSP NTC ball valve (Part No. Modentic 1½") with a ¼" NPT pressure gauge, a barrel nipple and a pressure cap. Provision is made for future fitting of a Fort Vale 2" Widdop Butterfly valve.

3.3 Other Components, Fittings and Accessories

3.3.1 Frame

The end frames, struts, load transfer beams and the upper structure girders are constructed from low temperature-resistant carbon steel to BS 4360, Gr. 50D or equivalent.

3.3.2 Ladder, Walkways and Top Rails

The ladder is made of commercial quality mild steel with stainless steel anti slip ladder rungs.

Walkways are marine resistant aluminium (475mm wide) and give access to both spillboxes and all corner castings. Two top rails are fitted to the upper frame.

3.3.3 Document Holder

Inside the rear frame a 80mm diameter x 300mm long sealed PVC tube is provided, which includes a screwed cover and a retaining cable.

3.3.4 Steam Heating

8m² nominal (4,5m² effective) (8 panels 130mm wide x 4400mm long) steam heating (6/10,3 bar working pressure) is fitted to the tank shell. Inlet and outlet have a diameter of ¾" BSP. A ½" BSP safety relief valve is fitted on the steam inlet. A ½" BSP condensate drain valve is fitted at the lowest point in the system.



3.3.5 Thermometer

The rear end is equipped with a surface mounted thermometer graduated from -20 to 200°C, 0 to 400°F.

3.3.6 TIR Sealing

The upper section of the manhole and the accessories are housed in stainless steel protective boxes and are fitted with TIR sealing fugs.

3.3.7 Bottom Discharge

The bottom discharge is situated at the bottom rear of the Tank and consists of:-

- One 3" foot valve which can be closed by the remote control
FORT VALE: Part No. 830/3200
- One 3" butterfly valve
FORT VALE: Part No. 368/7000
- One 3" BSP threaded connector closed by a stainless steel cap with retaining cable

3.3.8 Remote Control

A remote control is fitted on one of the load transfer castellated beam members and can be used to close the foot valve (eg. in the case of an emergency).



4. OPERATING THE TANK

4.1 Tank Container with Bottom or Top Discharge

4.1.1 Loading through Manhole

- i) Close all bottom valves.
- ii) Connect the earth wire to the terminal.
- iii) Open manhole and insert hose into the Tank.
- iv) Secure hose to stop possible whiplash.
- v) Fill Tank to the required level.
- vi) Drain hose and remove from tank.
- vii) Close manlid and tighten down.
- viii) Remove earth connection.

4.2 Tank Container with Bottom Discharge

4.2.1 Loading through Bottom Discharge

- i) Open the manhole or the air inlet.
- ii) Connect the earth wire to the terminal.
- iii) Remove the bottom discharge stainless steel cap, connect hose ensuring connection is correct and tight. Open valves.
- iv) Fill Tank to the required level.
- v) Close footvalve.
- vi) Drain hose.
- vii) Close external valve.
- viii) Disconnect hose and replace stainless steel cap.
- ix) Close manlid or air inlet cap and tighten down.
- x) Remove earth connection.

4.2.2 Unloading - Gravity Discharge

- i) Open the manhole or the air inlet to vent the Tank or vent back to storage tank.
- ii) Connect the earth wire to the terminal.
- iii) Remove bottom discharge stainless steel cap, connect hose ensuring connection is correct and tight.
- iv) Open outlet valves and commence discharge.
- v) Drain Tank.
- vi) Close footvalve.
- vii) Drain hose.
- viii) Close external valve.
- ix) Disconnect hose and replace stainless steel cap.
- x) Close manlid or air inlet cap and tighten down.
- xi) Remove earth connection.



4.2.3 Unloading - Pumped Discharge

- i) Open the manhole or the air inlet.
- ii) Connect the earth wire to the terminal.
- iii) Remove bottom discharge stainless steel cap, connect hose ensuring connection is correct and tight.
- iv) Open outlet valves and commence discharge.
- v) When discharge is complete, close footvalve.
- vi) Drain hose.
- vii) Close external valve.
- viii) Disconnect hose and replace stainless steel cap.
- ix) Close manlid or air inlet cap and tighten down.
- x) Remove earth connection.

4.2.4 Unloading - Pressure Discharge

- i) Remove bottom discharge stainless steel cap, connect hose ensuring connection is correct and tight.
- ii) **Connect the earth wire to the terminal.**
- iii) Open footvalve and external valve.
- iv) Connect air line and open air inlet valve.
- v) Apply pressure until discharge is completed.
- vi) When discharge is complete, and the hose line is empty, close air inlet valve, dis-connect air line and replace cap.
- vii) Close footvalve.
- viii) Drain hose.
- ix) Close external valve.
- x) Disconnect hose and replace stainless steel cap.
- xi) Remove earth connection.

4.3 Tank Container with Top Discharge

4.3.1 Conversion to Top Discharge

This conversion must be performed with full inspection and approval of a competent Inspection Authority. The Tank Container will have to be re-classified and Customs' Approval will have to be re-applied for.



4.3.2 Loading through Top Discharge

- i) Remove external valve, adaptor piece and stainless steel cap from bottom discharge.
- ii) Remove top discharge blind flange.
- iii) Connect external valve and adaptor piece to top discharge.
- iv) Close footvalve.
- v) Connect the earth wire to the terminal.
- vi) Bolt hose coupling to top discharge shell flange.
- vii) Connect vapour return line to air inlet and open valve vent tank.
- viii) Fill Tank to required level.
- ix) Drain hose, close external valve and remove hose from Tank. Replace top discharge blind flange.
- x) Close air inlet valve, disconnect vapour return line and replace blind flange.
- xi) Remove earth connection.

4.3.3 Unloading - Pumped Discharge

- i) Remove external valve, adaptor piece and stainless steel cap from bottom discharge.
- ii) Remove top discharge blind flange
- iii) Connect external valve and adaptor piece to top discharge.
- iv) Open manlid or air inlet connection to vent Tank.
- v) Connect the earth wire to the terminal.
- vi) Bolt hose coupling to top discharge shell flange.
- vii) Open external valve and commence discharge.
- viii) When discharge is complete, drain hose, close top external valve and remove hose from Tank. Replace top discharge blind flange.
- ix) Close manlid or air inlet cap and tighten down.
- x) Remove earth connection.

4.3.4 Unloading - Pressure Discharge

- i) Remove external valve, adaptor piece and stainless steel cap from bottom discharge.
- ii) Remove top discharge blind flange.
- iii) Connect external valve and adaptor piece to top discharge.
- iv) Connect the earth wire to the terminal.
- v) Bolt hose coupling to top discharge shell flange.
- vi) Connect vapour return line to air inlet and open valve to vent Tank.
- vii) Connect air line and open air inlet valve.
- viii) Apply pressure until discharge is completed.
- ix) When discharge is complete, and the hose line is empty, close air inlet valve, disconnect air line and replace cap.
- x) Drain hose, close top external valve and remove hose from Tank. Replace top discharge blind flange.
- xi) Remove earth connection.



4.4. Steam Heating

- i) Maximum pressure is 6 bar or 87 psi.
- ii) Connect the steam supply hose to the steam inlet connection.
- iii) Connect hose to the steam outlet connection and connect to a suitable disposal point either to drain or return to the system. A steam trap may be fitted to the outlet pipe to allow the latent heat to be fully utilised, so reducing both heating time and cost.
- iv) Open valve on condensate drain.
- v) Open steam supply slowly.



SPARE PARTS LIST

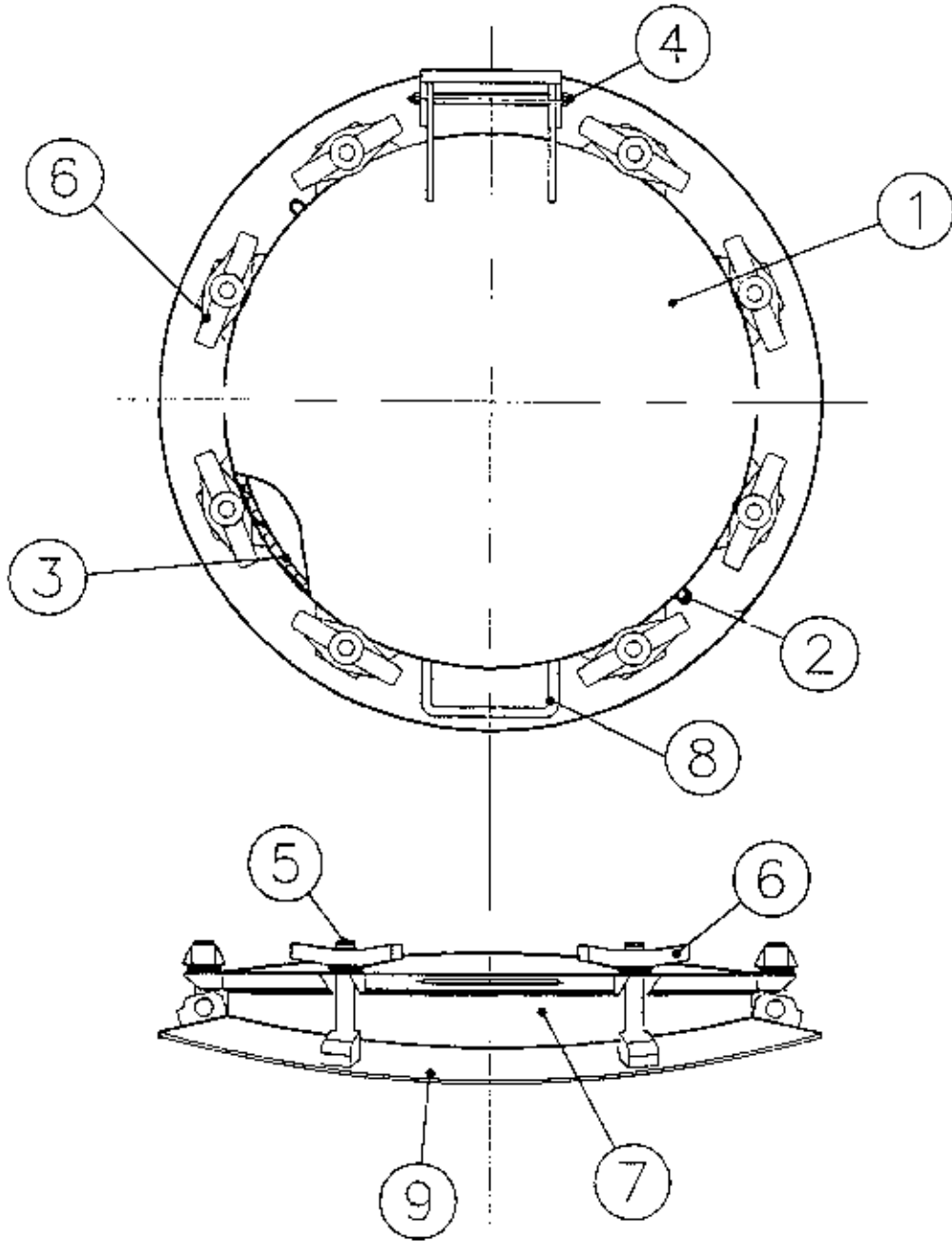
CLIENT: O.C.I./TANKSPAN

WO 2641

20 * 24000L FRAME TANK CONTAINERS

SERIAL NUMBERS : TASU 214021 TO TASU 214040

DATE: FEBRUARY 1997



CONSANI ENGINEERING (PTY) LTD

∅ 500 MANHOLE

DATE:

DRAWN:

SCALE: 1:12.5

DRAWING No.:

W.O.:

DETAIL 20

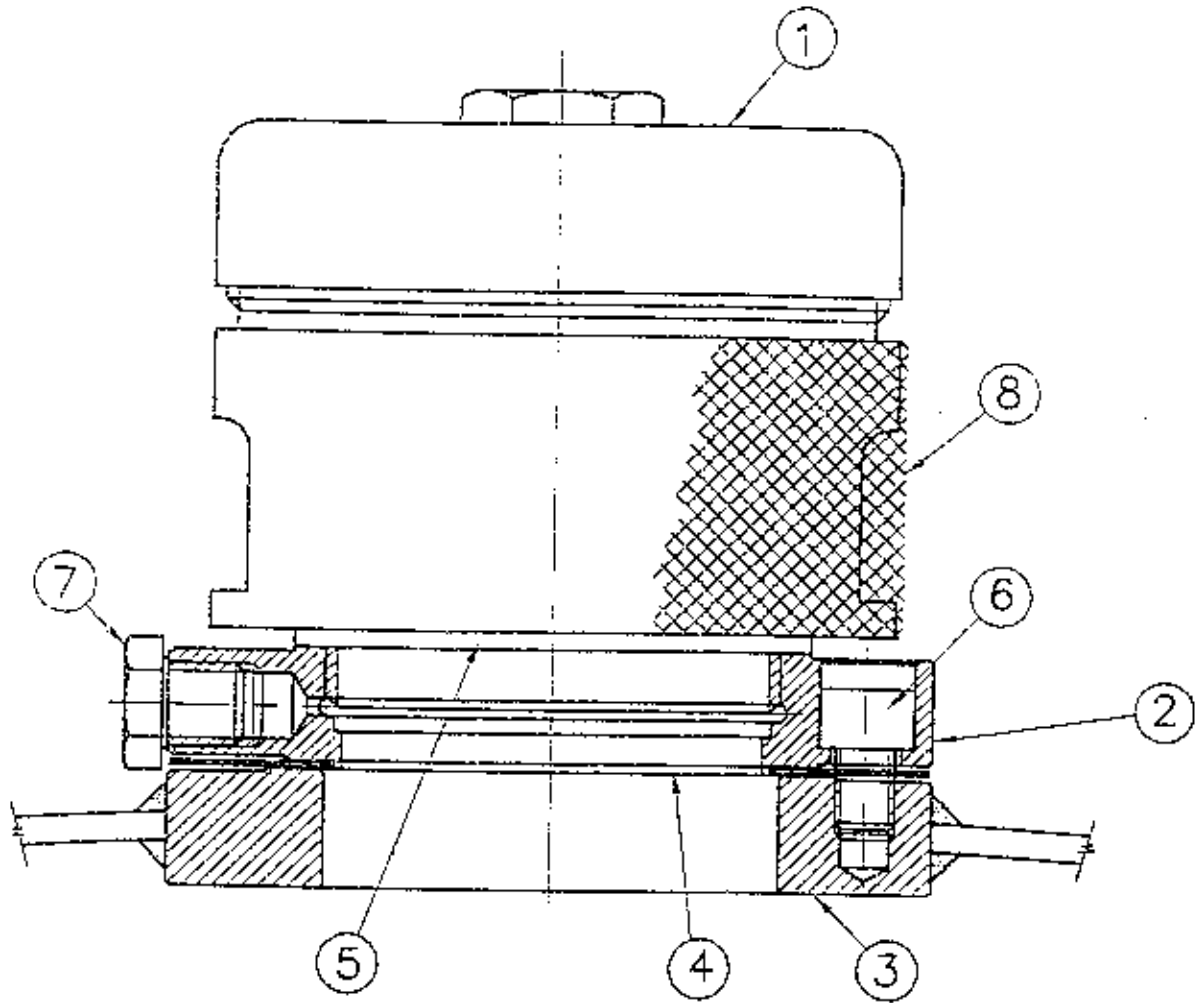


MANHOLE 500mm NOMINAL DIAMETER - DETAIL NO. 20
(LOW PROFILE) - FORT VALE / PEROLO

| ITEM | DESCRIPTION | NO. PER CONT. | MATERIAL | SUPPLIER |
|------|------------------------------|---------------|--------------------------|----------|
| 1 | MANLID COVER | 1 | STAINLESS STEEL | FV / P |
| 2 | TIR FIXING | 2 | STAINLESS STEEL | FV / P |
| 3 | SEAL RING | 1 | PTFE ASBESTOS FREE FIBRE | FV / P |
| 4 | HINGE ASSEMBLY | 1 | STAINLESS STEEL | FV / P |
| 5 | SWING BOLT ASSEMBLY | 8 | STAINLESS STEEL | FV / P |
| 6 | WING NUTS | 8 | COPPER ALU ALLOY | FV / P |
| 7 | MANHOLE NECK | 1 | STAINLESS STEEL | FV / P |
| 8 | HANDLE | 1 | STAINLESS STEEL | FV / P |
| 9 | REINFORCEMENT DOUBLING PLATE | 1 | STAINLESS STEEL | FV / P |

SUPPLIERS

| <u>NAME</u> | <u>COUNTRY</u> | <u>TELEPHONE</u> | <u>FAX</u> |
|----------------|----------------|------------------|------------------|
| FORT VALE (FV) | UK | +44 1282 692 525 | +44 1282 692 554 |
| PEROLO (P) | FRANCE | +33 1 4612 4141 | +33 1 4612 4161 |



CAD: DETAIL 2

CONSANI ENGINEERING (PTY) LTD

SAFETY RELIEF VALVE

DATE:

SCALE: 1:1.25

W.O.:

DRAWN:

DRAWING No.:

DETAIL 2

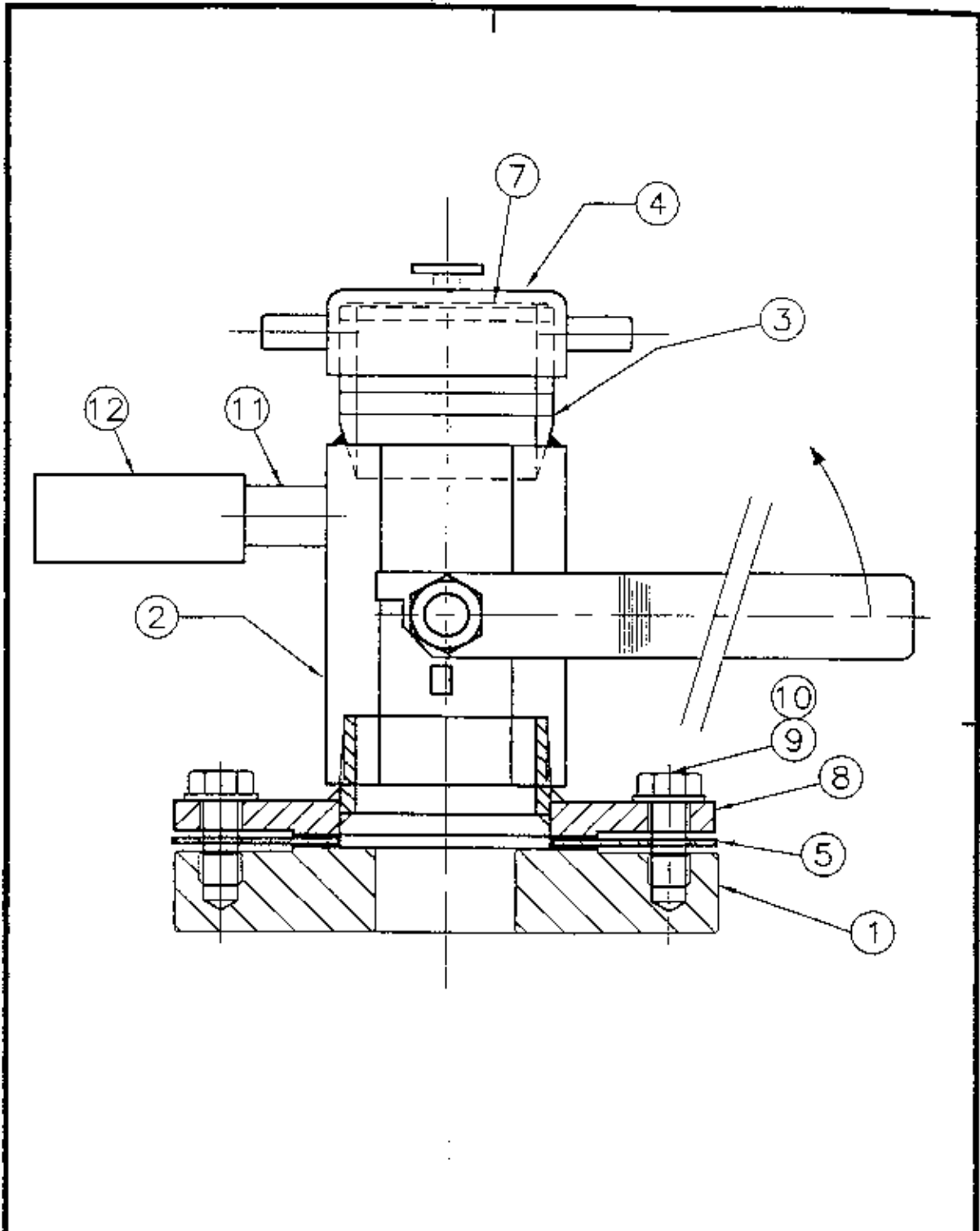


SAFETY RELIEF VALVE - DETAIL 2

| ITEM | DESCRIPTION | NO. PER CONT. | MATERIAL | SUPPLIER |
|------|--|---------------|-----------------|----------|
| 1 | 2½" MAXI HIGHFLOW RELIEF VALVE (SET 4,4 BAR) | 1 | STAINLESS STEEL | FV/P |
| 2 | ADAPTOR FLANGE | 1 | STAINLESS STEEL | CE |
| 3 | SHELL FLANGE | 1 | STAINLESS STEEL | CE |
| 4 | GASKET | 1 | K-SIL/PTFE | CE |
| 5 | GASKET - 76/90 dia.x1,5 thk | 1 | PTFE | FV/P |
| 6 | HEX SOCKET CAP SCREW M10 X 15 LONG. | 6 | STAINLESS STEEL | CE |
| 7 | ¼" NPT PLUG | 6 | STAINLESS STEEL | CE |
| 8 | REMOVABLE GAUZE SCREEN | 6 | STAINLESS STEEL | FV/P |

SUPPLIERS

| <u>NAME</u> | <u>COUNTRY</u> | <u>TELEPHONE</u> | <u>FAX</u> |
|----------------------|----------------|------------------|-----------------|
| FORT VALE (FV) | UK | +44 282 692 525 | +44 282 692 554 |
| PEROLO (P) | FRANCE | +33 1 4612 4141 | +33 1 4612 4161 |
| CONSANI ENG. (CE) | RSA | +27 21 590 3400 | +27 21 591 2825 |



CAD: DETAIL31

CONSANI ENGINEERING (PTY) LTD

1 1/2" AIR INLET

DATE: 10/96

DRAWN: T.J.B.

SCALE: 1:1.25

DRAWING No.:

W.O.:

DETAIL 31



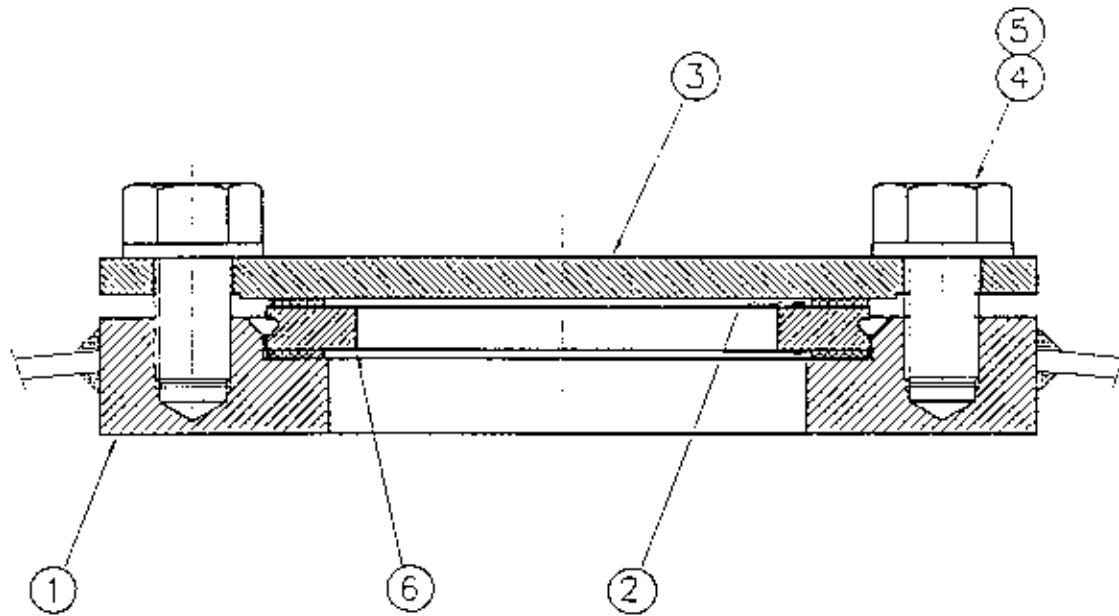


AIR INLET ASSEMBLY - DETAIL NO. 31

| ITEM | DESCRIPTION | NO. PER CONT. | MATERIAL | SUPPLIER |
|------|--------------------------------------|---------------|------------------------|----------|
| 1 | WELD PAD PI20X48 I/DX127O/D | 1 | STAINLESS STEEL | CE |
| 2 | 1½" BALL VALVE (40 BSP BOTH ENDS) | 1 | STAINLESS STEEL | CE |
| 3 | BARREL NIPPLE (40BSPX37LG) | 1 | STAINLESS STEEL | CE |
| 4 | 46 DIA.GASKET | 1 | PTFE | CE |
| 5 | GASKET (125 O/D X 48 I/D) | 1 | KSIL/PTFE | CE |
| 6 | CHAIN 5/8" OVERLINK | 1 | BRASS-CHROME PLATED | CE |
| 7 | PRESSURE CAP 1½" BSP | 1 | STAINLESS STEEL | CE |
| 8 | ADAPTOR FLANGE CSTD 1419 | 1 | STAINLESS STEEL | CE |
| 9 | SETSCREW (M10 X 20 LG) | 4 | STAINLESS STEEL | CE |
| 10 | M10 - FLAT WASHER | 4 | STAINLESS STEEL | CE |
| 11 | ¼" NPT SOCKET | 1 | STAINLESS STEEL | CE |
| 12 | PRESSURE GAUGE | 1 | STAINLESS STEEL | CE |

SUPPLIERS

| <u>NAME</u> | <u>COUNTRY</u> | <u>TELEPHONE</u> | <u>FAX</u> |
|----------------------|----------------|------------------|-----------------|
| CONSANI ENG. (CE) | RSA | +27 21590 3400 | +27 21 591 2825 |



CAD: DETAIL4

CONSANI ENGINEERING (PTY) LTD

TOP DISCHARGE

DATE:

DRAWN:

SCALE: 1:1.5

DRAWING No.:

W.O.:

DETAIL 4

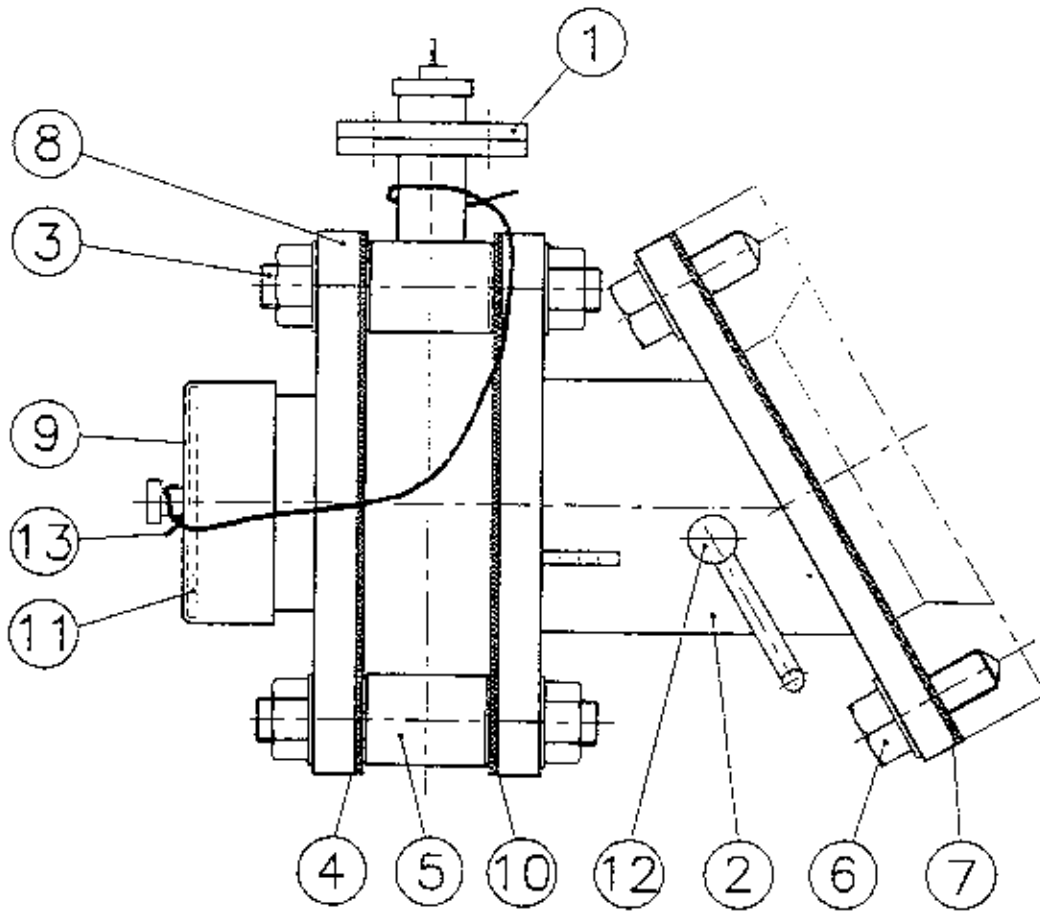


TOP DISCHARGE - DETAIL NO. 4

| ITEM | DESCRIPTION | NO. PER CONT. | MATERIAL | SUPPLIER |
|------|---|---------------|-----------------|----------|
| 1 | TOP DISCHARGE WELD PAD 25 THK X 200 OD X 102 ID) | 1 | STAINLESS STEEL | CE |
| 2 | GASKET (128 OD X 104 ID) | 2 | K-SIL/PTFE | CE |
| 3 | DISCHARGE COVER (9 THK X 200 DIA.) | 1 | STAINLESS STEEL | CE |
| 4 | SET SCREW - M16 X 30 | 4 | STAINLESS STEEL | CE |
| 5 | SPRING WASHER M16 | 4 | STAINLESS STEEL | CE |
| 6 | SYPHON PIPE 80 NB - SCH.10 (WHEN REQUIRED ON WO) | 1 | STAINLESS STEEL | CE |

SUPPLIERS

| <u>NAME</u> | <u>COUNTRY</u> | <u>TELEPHONE</u> | <u>FAX</u> |
|----------------------|----------------|------------------|-----------------|
| CONSANI ENG. (CE) | RSA | +27 21 590 3400 | +27 21 591 2825 |



CAD: DETAIL9

CONSANI ENGINEERING (PTY) LTD

BOTTOM DISCHARGE

DATE: 7/94
 SCALE: 1:2.5
 W.O.:

DRAWN: K.J.
 DRAWING No.:
 DETAIL 9



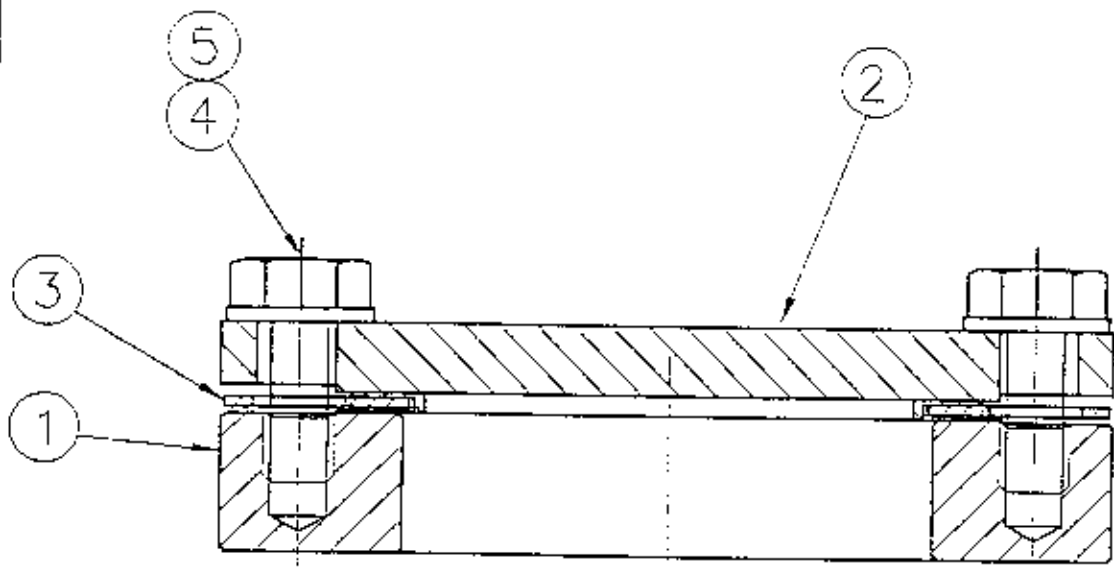


BOTTOM DISCHARGE - DETAIL NO. 9

| ITEM | DESCRIPTION | NO. PER CONT. | MATERIAL | SUPPLIER |
|------|--|---------------|-----------------|----------|
| 1 | BUTTERFLY VALVE | 1 | STAINLESS STEEL | FV / P |
| 2 | FOOT VALVE 3" 30° | 1 | STAINLESS STEEL | FV / P |
| 3 | M16 @ 125 STUDS, 2 X NUTS, 2 X WASHERS | 4 | STAINLESS STEEL | CE |
| 4 | GASKET | 1 | K-SIL / PTFE | CE |
| 5 | SPACER | 4 | NYLON | CE |
| 6 | M16 BOLT @ 30 | 4 | STAINLESS STEEL | CE |
| 7 | GASKET | 1 | K-SIL / PTFE | CE |
| 8 | ADAPTOR FLANGE | 1 | STAINLESS STEEL | CE |
| 9 | 3" BSP PRESSURE CAP | 1 | STAINLESS STEEL | FV |
| 10 | GASKET | 1 | K-SIL / PTFE | CE |
| 11 | GASKET | 1 | SOLID PTFE | CE |
| 12 | REMOTE CONTROL | 1 | STAINLESS STEEL | CE |
| 13 | CHAIN | 1 | STAINLESS STEEL | FV |

SUPPLIERS

| <u>NAME</u> | <u>COUNTRY</u> | <u>TELEPHONE</u> | <u>FAX</u> |
|-------------------|----------------|------------------|------------------|
| FORT VALE (FV) | UK | +44 1282 692 525 | +44 1282 692 554 |
| PEROLO (P) | FRANCE | +33 1 4612 4141 | +33 1 4612 4161 |
| CONSANI ENG. (CE) | RSA | +27 21 590 3400 | +27 21 591 2825 |



W.O.:

CONSANI ENGINEERING (PTY) LTD

BLANKING
ARRANGEMENT

DATE:

DRAWN:

SCALE: 1:1

DRAWING No.:

W.O.:

DETAIL 16



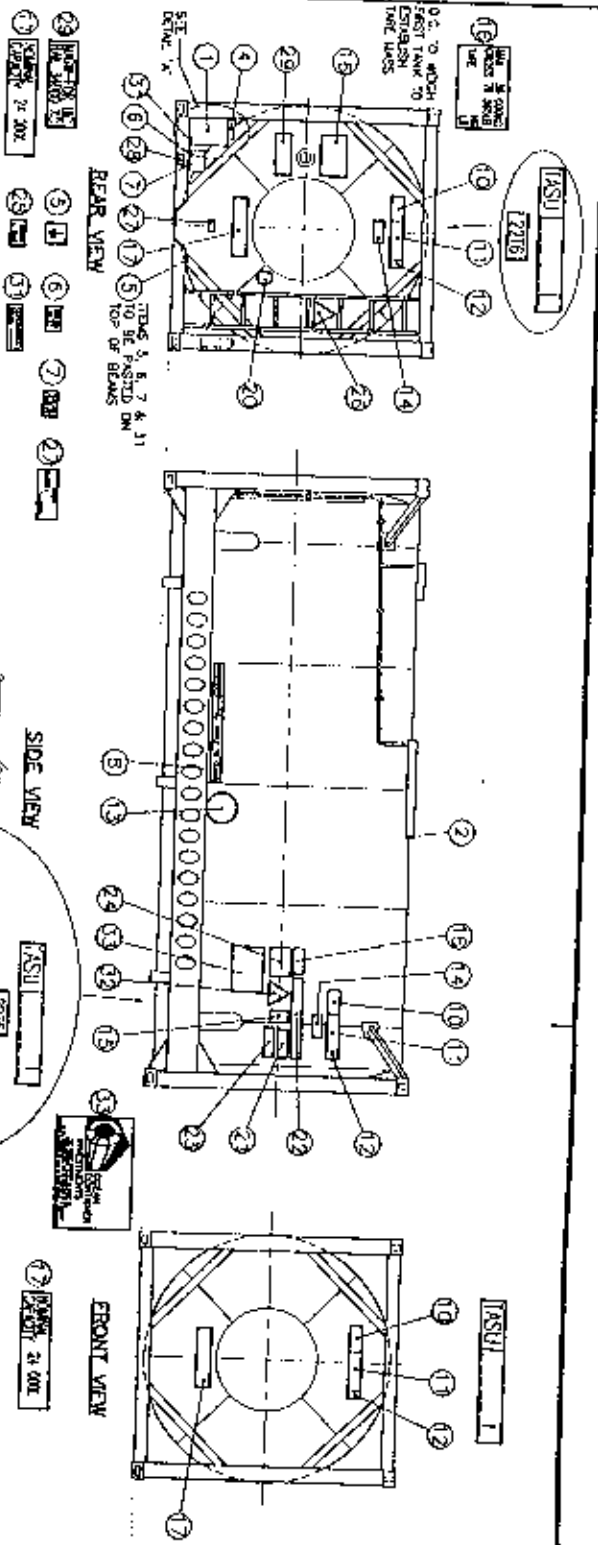
SAFETY RELIEF VALVE - DETAIL 16

SAFETY RELIEF VALVE BLANKING ARRANGEMENT

| ITEM | DESCRIPTION | NO. PER CONT. | MATERIAL | SUPPLIER |
|------|-------------------------------------|---------------|-----------------|----------|
| 1 | SHELL FLANGE 25 thick x 127 dia. | 1 | STAINLESS STEEL | CE |
| 2 | BLIND FLANGE | 1 | STAINLESS STEEL | CE |
| 3 | GASKET | 1 | K SIL / PTFE | CE |
| 4 | M10 X 35 LT | 4 | STAINLESS STEEL | CE |
| 5 | M10 WASHER | 4 | STAINLESS STEEL | CE |

SUPPLIERS

| <u>NAME</u> | <u>COUNTRY</u> | <u>TELEPHONE</u> | <u>FAX</u> |
|----------------------|----------------|------------------|-----------------|
| CONSANI ENG. (CE) | RSA | +27 21 590 3400 | +27 21 591 2825 |

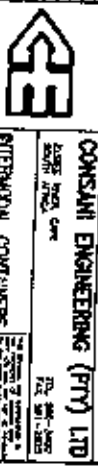


PARTS LIST

| QTY | UNIT | REF | DESCRIPTION | REFERENCE |
|-----|------|-----|--------------------|------------|
| 1 | 1 | 1 | GENERAL DATA PLATE | 261-01-124 |
| 1 | 1 | 2 | MANUFACTURER PLATE | STD 100 |
| 1 | 1 | 3 | CORROSION PLATE | 261-01-168 |
| 1 | 1 | 4 | OWNER PLATE | 261-01-169 |
| 1 | 1 | 5 | OWNER PLATE | 261-01-170 |
| 1 | 1 | 6 | OWNER PLATE | 261-01-171 |
| 1 | 1 | 7 | OWNER PLATE | 261-01-172 |
| 1 | 1 | 8 | OWNER PLATE | 261-01-173 |
| 1 | 1 | 9 | OWNER PLATE | 261-01-174 |
| 1 | 1 | 10 | OWNER PLATE | 261-01-175 |
| 1 | 1 | 11 | OWNER PLATE | 261-01-176 |
| 1 | 1 | 12 | OWNER PLATE | 261-01-177 |
| 1 | 1 | 13 | OWNER PLATE | 261-01-178 |
| 1 | 1 | 14 | OWNER PLATE | 261-01-179 |
| 1 | 1 | 15 | OWNER PLATE | 261-01-180 |
| 1 | 1 | 16 | OWNER PLATE | 261-01-181 |
| 1 | 1 | 17 | OWNER PLATE | 261-01-182 |
| 1 | 1 | 18 | OWNER PLATE | 261-01-183 |
| 1 | 1 | 19 | OWNER PLATE | 261-01-184 |
| 1 | 1 | 20 | OWNER PLATE | 261-01-185 |
| 1 | 1 | 21 | OWNER PLATE | 261-01-186 |
| 1 | 1 | 22 | OWNER PLATE | 261-01-187 |
| 1 | 1 | 23 | OWNER PLATE | 261-01-188 |
| 1 | 1 | 24 | OWNER PLATE | 261-01-189 |
| 1 | 1 | 25 | OWNER PLATE | 261-01-190 |
| 1 | 1 | 26 | OWNER PLATE | 261-01-191 |
| 1 | 1 | 27 | OWNER PLATE | 261-01-192 |
| 1 | 1 | 28 | OWNER PLATE | 261-01-193 |
| 1 | 1 | 29 | OWNER PLATE | 261-01-194 |
| 1 | 1 | 30 | OWNER PLATE | 261-01-195 |
| 1 | 1 | 31 | OWNER PLATE | 261-01-196 |
| 1 | 1 | 32 | OWNER PLATE | 261-01-197 |
| 1 | 1 | 33 | OWNER PLATE | 261-01-198 |

* CLIENT TO PLEASE ADVISE DETAILS AND LOCATION OF OWNER LOGO DECALS.

NOTE:
 QUANTITIES SHOWN ARE FOR 1-OFF T.C.
 20 OFF T.C. IN CONTRACT.



CONSAM ENGINEERING (PTY) LTD
 10001 RIVERVIEW DRIVE
 RIVERVIEW, JHB 1900
 TEL: 011 461-1111
 FAX: 011 461-1112
 EMAIL: info@consam.co.za
 WWW: www.consam.co.za

TANK MARKINGS

DATE: 26/11/2011
 W.O. NO: 2641

| REVISION | NO. | DATE | DESCRIPTION |
|----------|-----|------|-------------|
| 1 | 1 | | |
| 2 | 2 | | |
| 3 | 3 | | |
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| 29 | 29 | | |
| 30 | 30 | | |
| 31 | 31 | | |
| 32 | 32 | | |
| 33 | 33 | | |