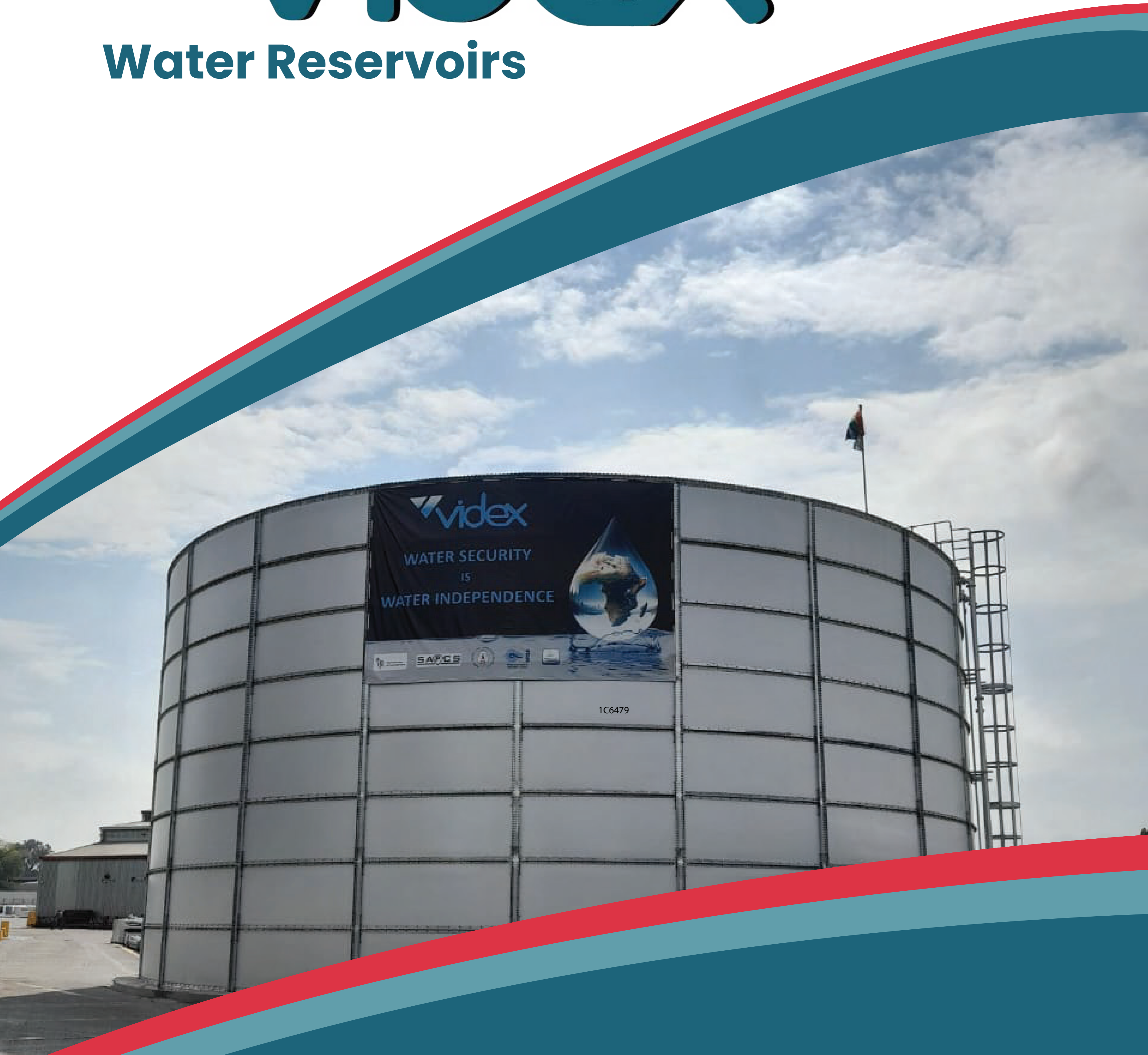




Water Reservoirs



Independent Water Solutions by Videx
Water Security Is Self Reliance
vidextanks.co.za



Water Reservoirs

Videx, established in 1984 in Denver, Johannesburg, started as a manufacturer of small studs and bolts for structural use. It evolved into a leading provider of solutions for the mining and water storage sectors. Videx expanded its offerings in the 1990s with a focus on safety-critical mining products and later ventured into water storage solutions to address growing concerns in the African market.

Videx Water Reservoirs, situated in Wadeville, Germiston, is a key player in manufacturing and supplying water reservoirs across Africa. With a vast manufacturing facility and certifications like ISO 9001 and SANS 10329, Videx ensures quality and innovation in its products.

The company emphasizes personalized service, technical expertise, and customization, offering tailored solutions to meet specific client needs. Videx Water Reservoirs provides modular square reservoirs and innovative cylindrical bladder reservoirs, both designed for durability, efficiency, and ease of installation.

Key features of Videx Water Reservoirs include:

- Expert technical support
- Locally manufactured materials for quick access
- Detailed onboarding process
- In-house engineering and design capabilities
- Customizable reservoir connections
- Reliable installation teams
- Sanitary water storage solutions
- High-quality modular construction

Videx's cylindrical bladder reservoirs feature unique design elements for enhanced resilience and performance, including radial and vertical stiffeners and a bladder system to prevent corrosion and prolong lifespan.

Videx offers bespoke solutions tailored to individual client requirements, addressing challenges such as limited space or irregular site shapes. Their commitment to excellence and innovation has made them a preferred partner for businesses seeking reliable water storage solutions. In conclusion, Videx Water Reservoirs combines decades of experience, technical expertise, and a commitment to innovation to provide high-quality, customized water storage solutions for diverse applications across Africa.



Independent Water Solution by Videx Water Security Is Self Reliance





Water Reservoirs

Round Tanks

Our Videx circular water tank range has been designed to be used in various industry sectors with an array of applications. The radial and vertical stiffeners used in our circular tanks are an exclusive in-house design which make the Videx circular water tanks ideal to be used in high velocity wind areas..

Specifications

Tank Panels

Standard tank plates 2400 x 1219 mm rectangular configured in one of the following formations.

- x1 layer panels at low water pressures
- x2 layer panels on medium water pressures
- x3 layer panels on high water pressures

Number of sheets are determined from a matrix calculator.

Material Coating

- Aluzinc AZ150

Internal bladder (Lining):

Construction

- Fabric – High tenacity woven polyester which is a 1000gsm
- Coating – Food grade, UV stabilised PVC

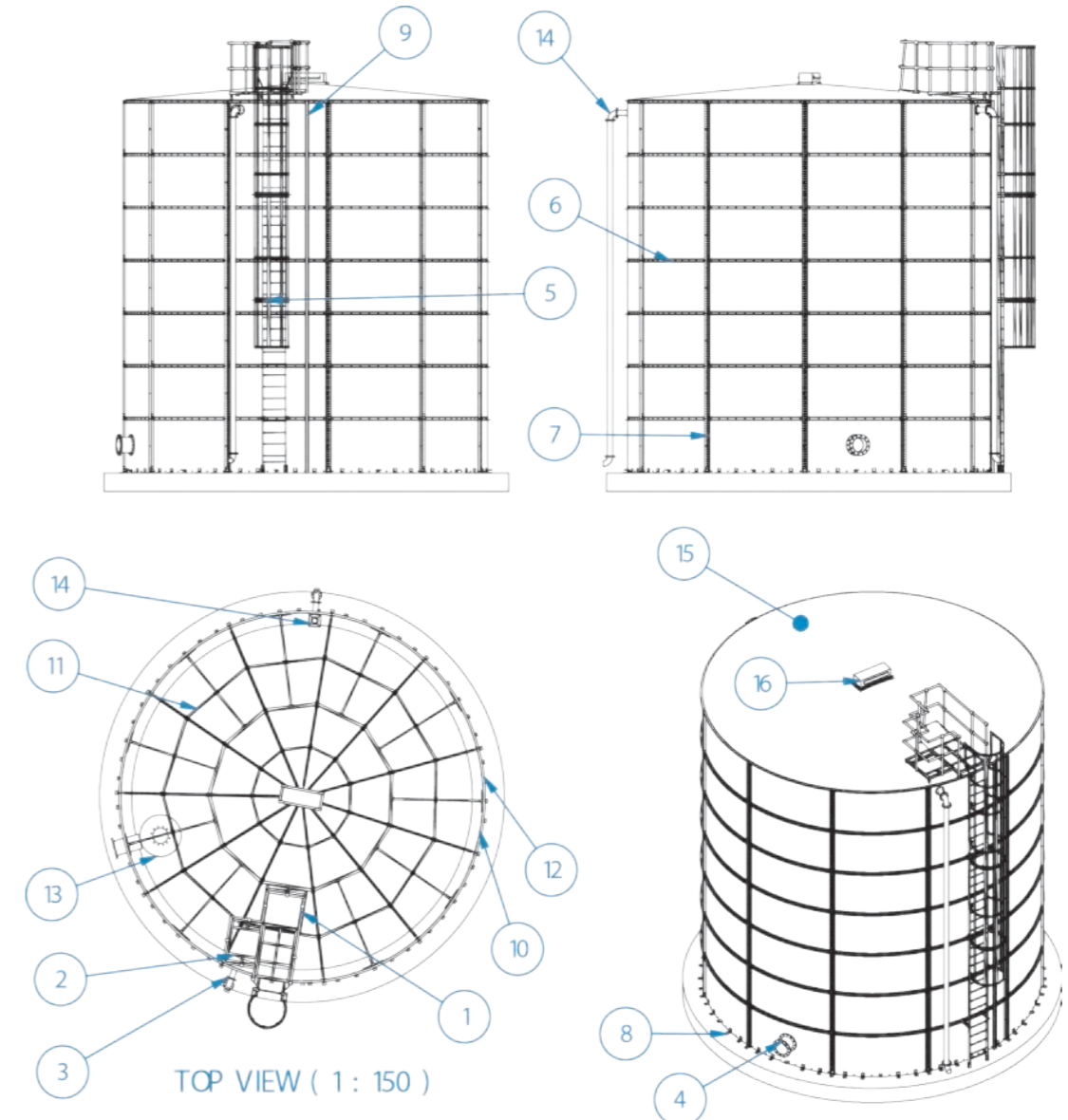
Tank Cover / Roof

- IBR Zinc Alloy Sheeting (Corrugated Aluzinc sheets)

Benefits

The main benefit from using bladders in our water tanks is to prevent liquids from making direct contact with the tank panels therefore preventing excess corrosion.

The radial and vertical stiffeners used in our circular bladder tanks are exclusive to the Videx system which make the Videx Circular bladder tanks ideal to be used in high velocity wind areas.



TOP VIEW (1 : 150)

PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION
1	MANHOLE LANDING	ACCESS HATCH, INTERNAL LADDER & EXTERNAL LADDER, SAFETY RAILINGS, PLATFORM
2	INFILL INSPECTION HATCH	PLATFORM, INSPECTION HATCH, SAFETY RAILINGS
3	INFILL LINE	FLANGED BOLT CONNECTION TO TANK WALL
4	OUTLET	FLANGED BOLT CONNECTION TO TANK WALL
5	CAT-LADDER	SAFETY CAGE & RAILINGS
6	RADIAL STIFFENERS	50x50x5 COMMERCIAL GRADE HDG ANGLE IRON
8	BASE ANGLE	60X60X6 ANGLE IRON
7	VERTICAL STIFFENERS	U - CHANNEL
9	WATER LEVEL INDICATOR	PULLEY MECHANISM INDICATING TRUE LEVEL
10	LINER	1000gsm HIGH TENACITY WOVEN, FOOD GRADE POLYESTER UV STABILISED PVC, APPROVED AGAINST AS/NZS 4020:2005
11	SPIDER ROOF	RECTANGULAR TUBE, SELF SUPPORTING STRUCTURE, HDG
12	TANK WALL	ZINCALUME AZ150
13	VORTEX INHIBITOR	ANTI-VORTEX
14	OVERFLOW	INTERNAL BELL MOUTH FLANGE BOLTED
15	ROOF	CORRUGATED ROOF SHEETING 0.58mm ZINCALUME AZ150
16	VENTILATOR	FABRICATED VENTILATION BOX



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Water Reservoirs

Square Tanks

Videx sectional steel water storage tanks come in a modular system, from capacities of 1.816kL to upward of 5000kL (5mL). Water Reservoirs are formed using prefabricated panels, cleats and internal bracing bolted together on site, to give an infinite range of sizes and capacities.

Specifications

Tank Panels

- The nominal size of each panel after flanging is 1 220 mm × 1 220 mm with a combination flange at angles of 45° and 90° to the face of the panel on all sides.

Material Coating

- Hot-dipped galvanising to SANS 121 (ISO 1461)

Tank Cover / Roof

- IBR Zinc Alloy Sheeting

STANDARD VIDEX ITEMS

All Videx water tanks are supplied with the following standard items:

- Level Indicator (Mechanical, of cat & mouse type, in metric scale for each compartment)
- Ladders (Internal & external mild steel ladders, hot-dipped galvanised – External ladders cat ladder type)

Benefits

Our water tanks can be used for potable/drinking water, harvesting rain water for irrigation or used for fire suppression.

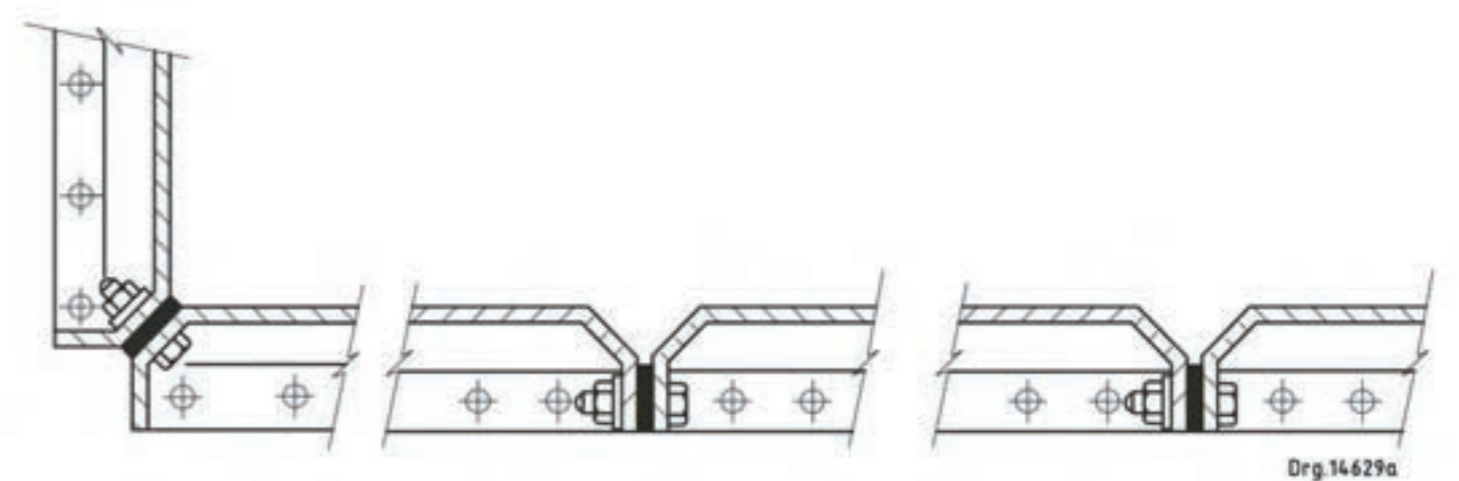
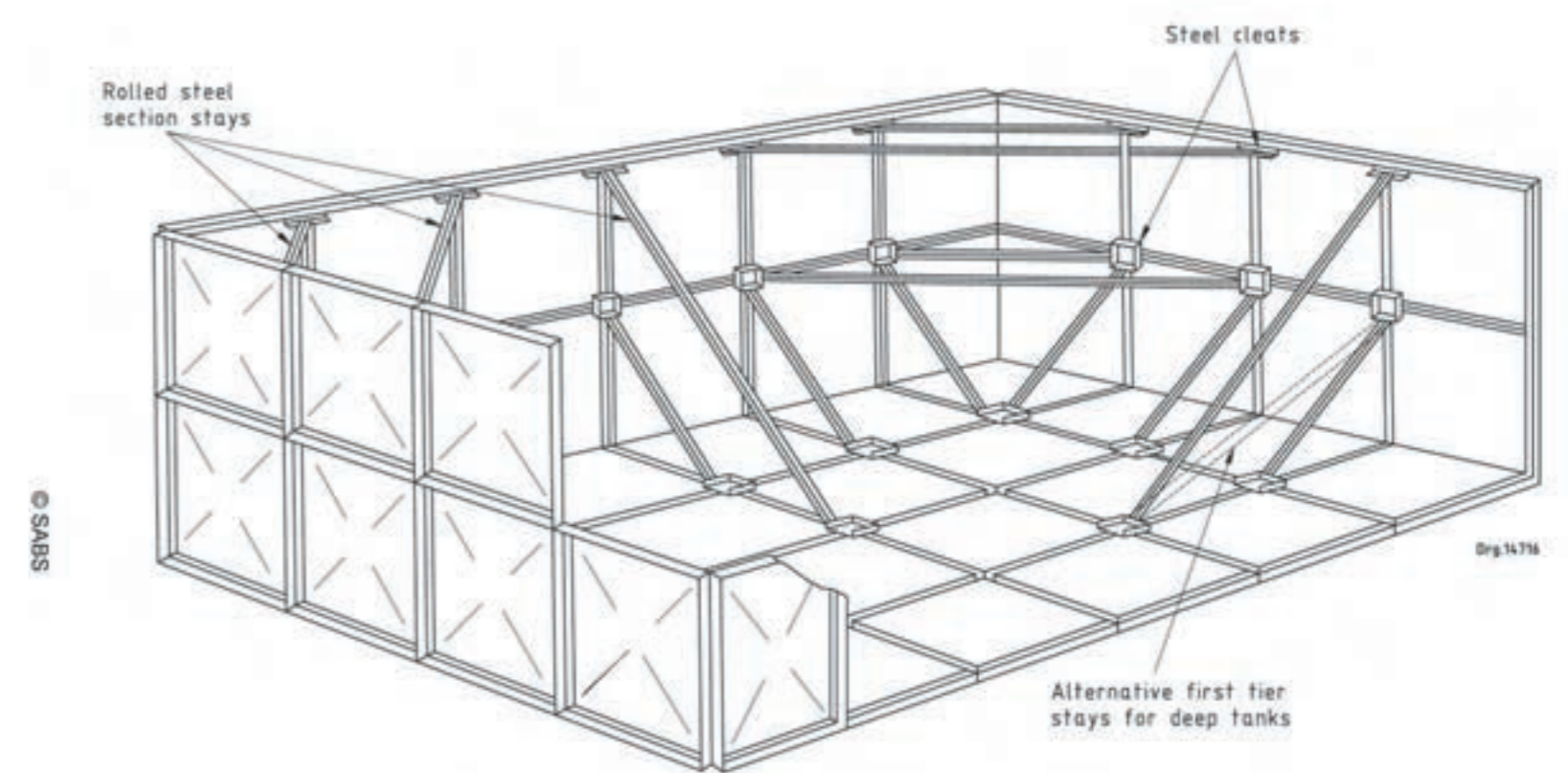


Figure 2 — Flange joints — Type 2 tank (45° chamfered corners)



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Water Reservoirs



Call Videx on 011 827 0727

1 Location and type

- Residential
- Commercial
- Square reservoir
- Round reservoir
- Tower reservoir
- Custom

1

Customer Name and contact person, project name, email, phone number and company details.

3

2 Select your tank from the options below

- standard water reservoir
- Fire Water reservoir

2

3 What you would like supplied.

- Supply, deliver & Install
- EX Works-DIY (Supply & Deliver)
- Supply Only

4

4 Reservoir Size

- Round= $\pi \times r^2 \times h$. (gross value)
- Sectional=panel amount is the Length x width x height (multiple x 1,816) gives you the gross value.
- Example: a 4x5x4 = 80x 1,816=145.28kl. (Gross value)
- Or seen that a panel is 1.22m square - 4,88m x 6,1m x 4,88=145.26(gross value).

6

5 What would you like the reservoir to stand on

- 450mm (Stand)
- Dwarf Walls (Pre Casted Concrete Plinths)
- HDG Tower (m)

5

7

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