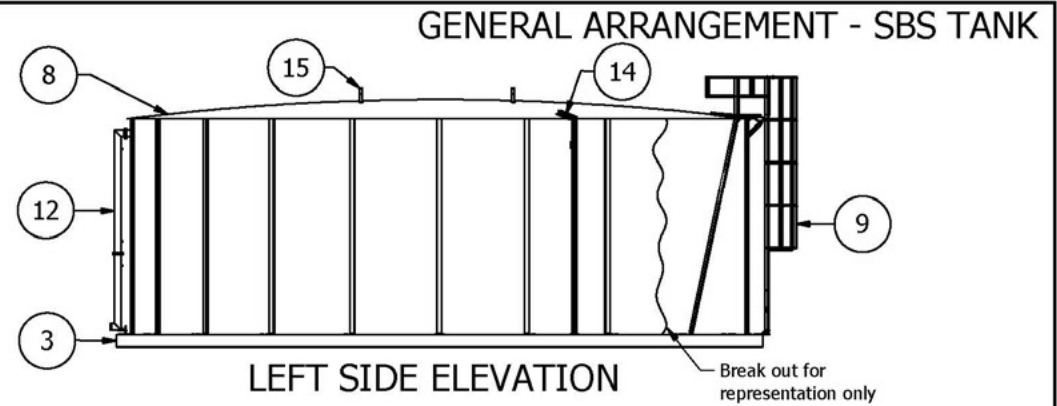
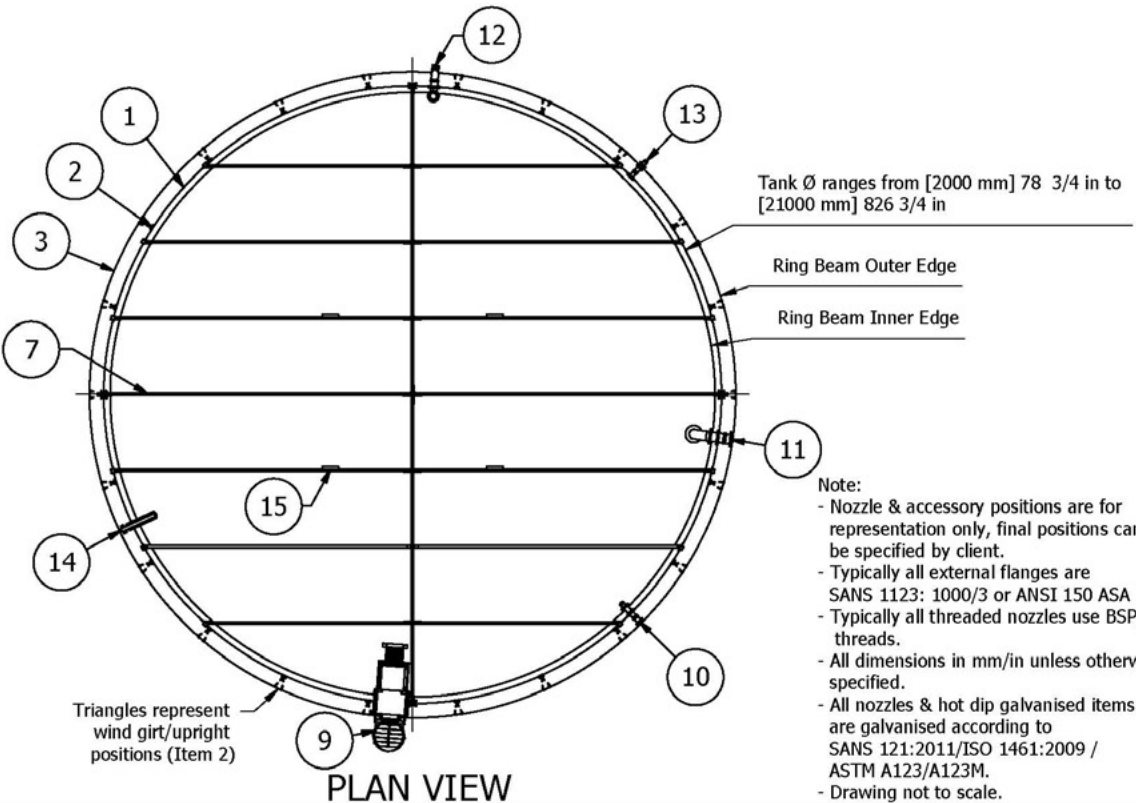


FRONT ELEVATION



LEFT SIDE ELEVATION



PLAN VIEW

Note:
 - Nozzle & accessory positions are for representation only, final positions can be specified by client.
 - Typically all external flanges are SANS 1123: 1000/3 or ANSI 150 ASA
 - Typically all threaded nozzles use BSP/NPT threads.
 - All dimensions in mm/in unless otherwise specified.
 - All nozzles & hot dip galvanised items are galvanised according to SANS 121:2011/ISO 1461:2009 / ASTM A123/A123M.
 - Drawing not to scale.

GENERAL ARRANGEMENT - SBS TANK

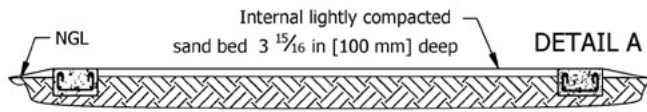
TANK & ACCESSORIES PARTS LIST		
ITEM	PART NUMBER	DESCRIPTION
1	Tank Wall Panels	Galvalume steel panels, steel grade G300, with AZ150 heavy duty coating. Panels are bolted together using class 8.8 HDG hex head flanged screws & nuts.
2	Wind Girts/Uprights & Covers	Wind Girts are made from [2.4 mm] 3/32 in hot dipped galvanised sheet metal, punched and bent into profile.
3	Concrete Ring Beam	Reinforced, 25 MPa min.
4	Tank Hold Down Brackets c/w Anchor Bolts	L shaped brackets complete with expansion type anchor bolts.
5	Polyester Geotextile	Fits between concrete ring beam/sand bed and PVC Liner/membrane.
6	Liner	Potable water liner/bladder consisting of high tenacity polyester yarn coated on both sides with grey PVC. The SBS [700 g] 1.54 lbs potable propriety liner meets AS/NZS 4020-2005.
7	Roof Truss Set	Fabricated from SHS & EA steel, 300 MPa min. Hot dipped galvanised after fabrication.
8	Dome Roof	Galvalume corrugated sheets, [0.47 mm] 1/32 in thick, grade G550, with AZ150 coating.
9	Roof Tank Access	Fixed, complete with internal & external ladders, safety cage with lockable door, platform, [600 mm] 23 5/8 in lockable access hatch, & hand rails.
10	Typical Inlet	Internal deflector, external flange.
11	Typical Outlet	Internal anti-vortex, external flange.
12	Typical Overflow	Internal bell mouth, external downpipe with roll groove termination.
13	Typical Dump Drain	External flange c/w geared butterfly valve & deflector.
14	Typical Water Level Indicator	Mechanical (True Read Type)
15	Typical Ventilator	Static, made from [76 mm] 3 in x [76 mm] 3 in SHS.

5					
4					
3					
2					
1					
Rev.	By	Date	Revisions	Approved	

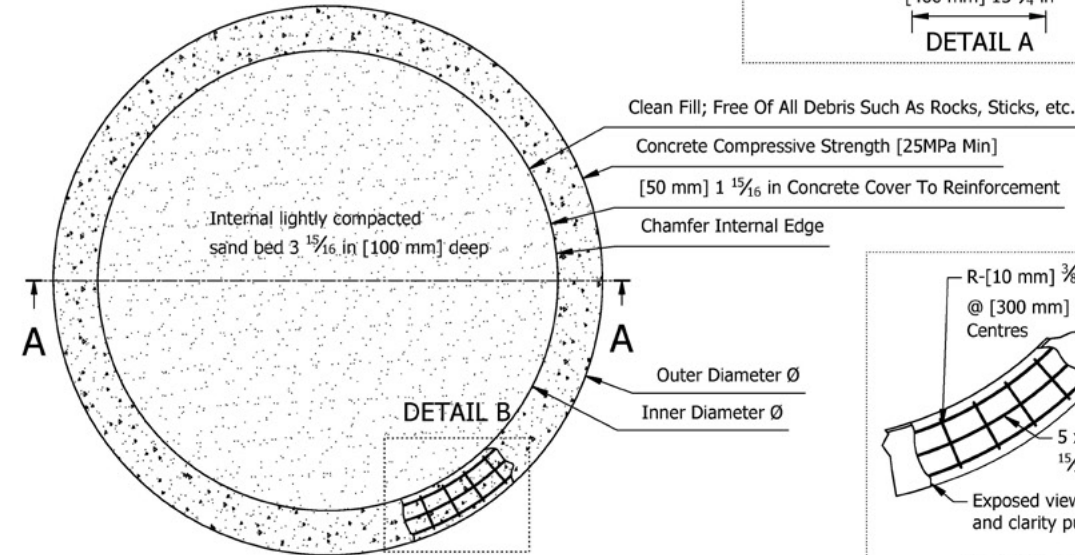
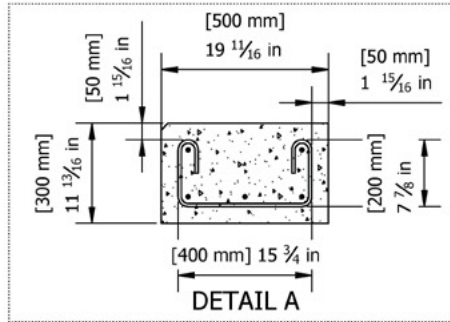
Drawn: DMS
 Date: 2016/01/05
 Approved: BMcP
 Date: 2016/01/05



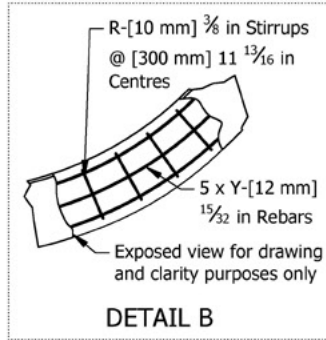
Title: General Arrangement - SBS Tank	
Dwg No: DU_General Arrangement - SBS Tank_R00	Rev: 00
Description: Dual units	Sheet: 1 / 2



SECTIONAL FRONT VIEW ON A-A



PLAN VIEW



DETAIL B

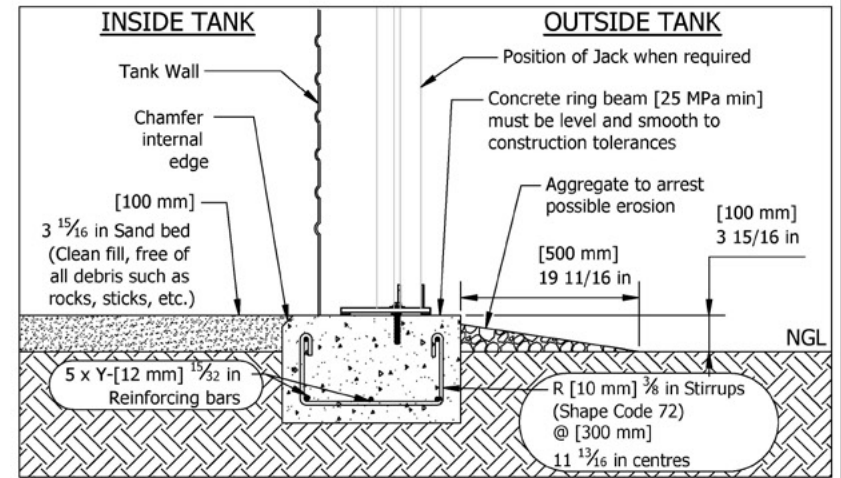


Construction Tolerances

- Outside Ø: - 25/32 in [20 mm]
- +0
- Inside Ø: - 0
- + 25/32 in [20 mm]
- Level of top surface: ± 5/64 in [2 mm] over any 78 7/64 in [2 m] of circumference at tank wall position. ± 5/32 in [4 mm] over entire ring beam.

GUIDELINES AND NOTES

- This document contains the minimum required dimensions and guidelines and is not to be used for construction unless officially issued by an approved engineer or company representative.
- SBS is not responsible for any loss or damage caused by an incorrectly designed or built ring beam.
- Ring beam sizes shown are suitable for geographic areas which do not experience wind speeds exceeding 43 m/s [155 km/h] 96 mph. Should wind speeds in excess of this be expected, then special designs must be prepared.
- It is very important for the client to ensure that foundation conditions are adequate. The requirements are
 - Safe bearing capacity should equal or exceed 14.5 PSI [100 kPa]
 - The founding material must be stable
 - Hand float top surface
- Most sands and gravels that have been compacted to a reasonable level will be adequate, provided that there is stable soil underneath.
- Should there be any doubt about the stability or strength of the foundation, site specific professional engineering advice should be sought.
- In areas with corrosive soil conditions, special protective measures should be used.
- Ring beam dimensions are typical and provided for costing purposes only. Final ring beam dimensions may vary depending on soil conditions, climatic conditions, etc.
- Ring beam width and depth are tank model dependant and allow for specialised jacking when required. Ring beam dimensions must not be altered for any unapproved reason and without any consultation from the supplier.
- Drawing is not to scale



FINISHED RING BEAM DETAIL

5					
4					
3					
2					
1					
Rev.	By	Date	Revisions	Approved	Date

Drawn: YNS
 Date: 25/04/2024
 Approved: BEW
 Date: 25/04/2024



Title: Concrete Ring Beam, Reinforced - Typical	
Dwg No: Concrete Ring Beam, Reinforced - Typical	Rev: 00
Description: Representational Only	Sheet: 1 / 1