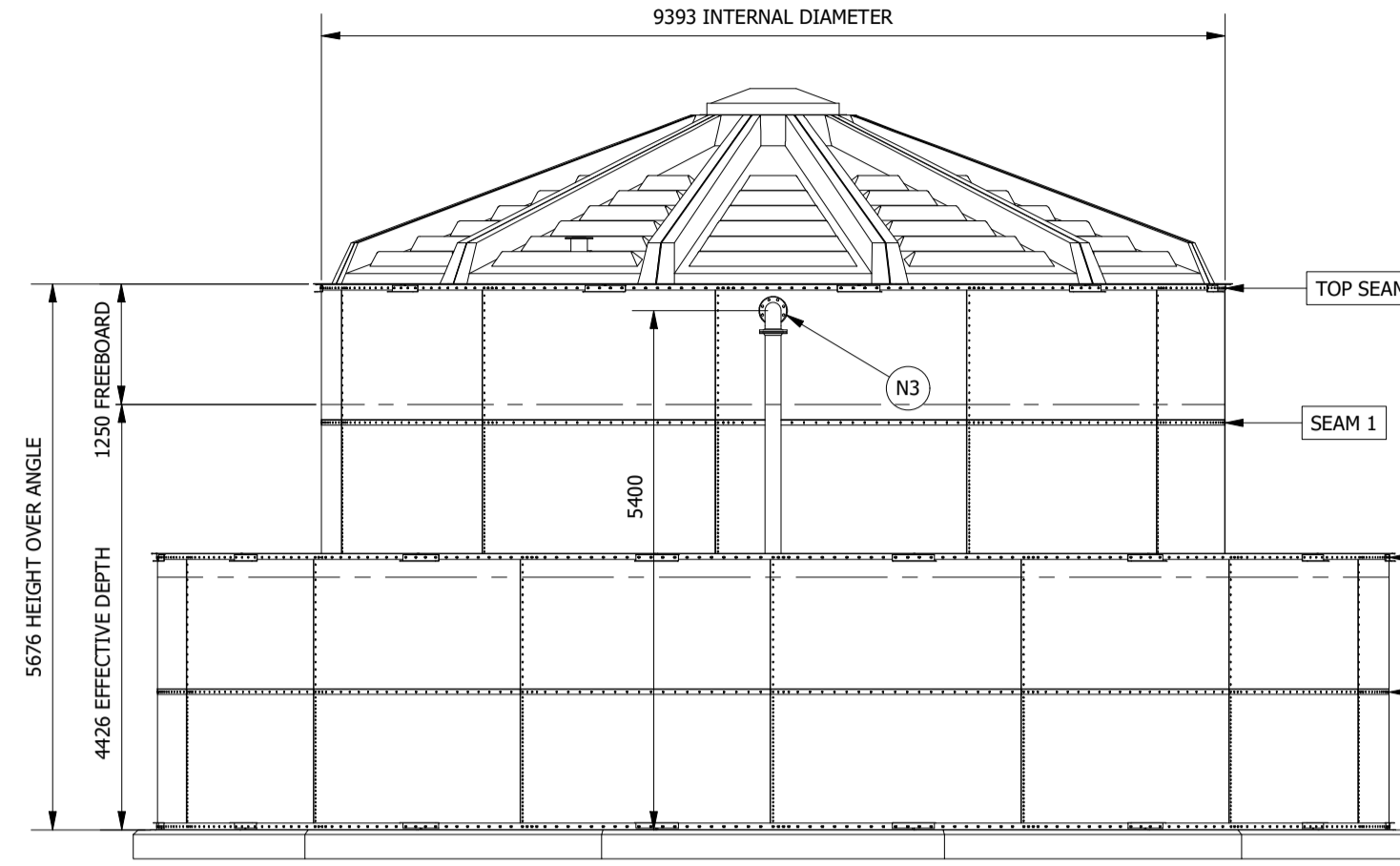
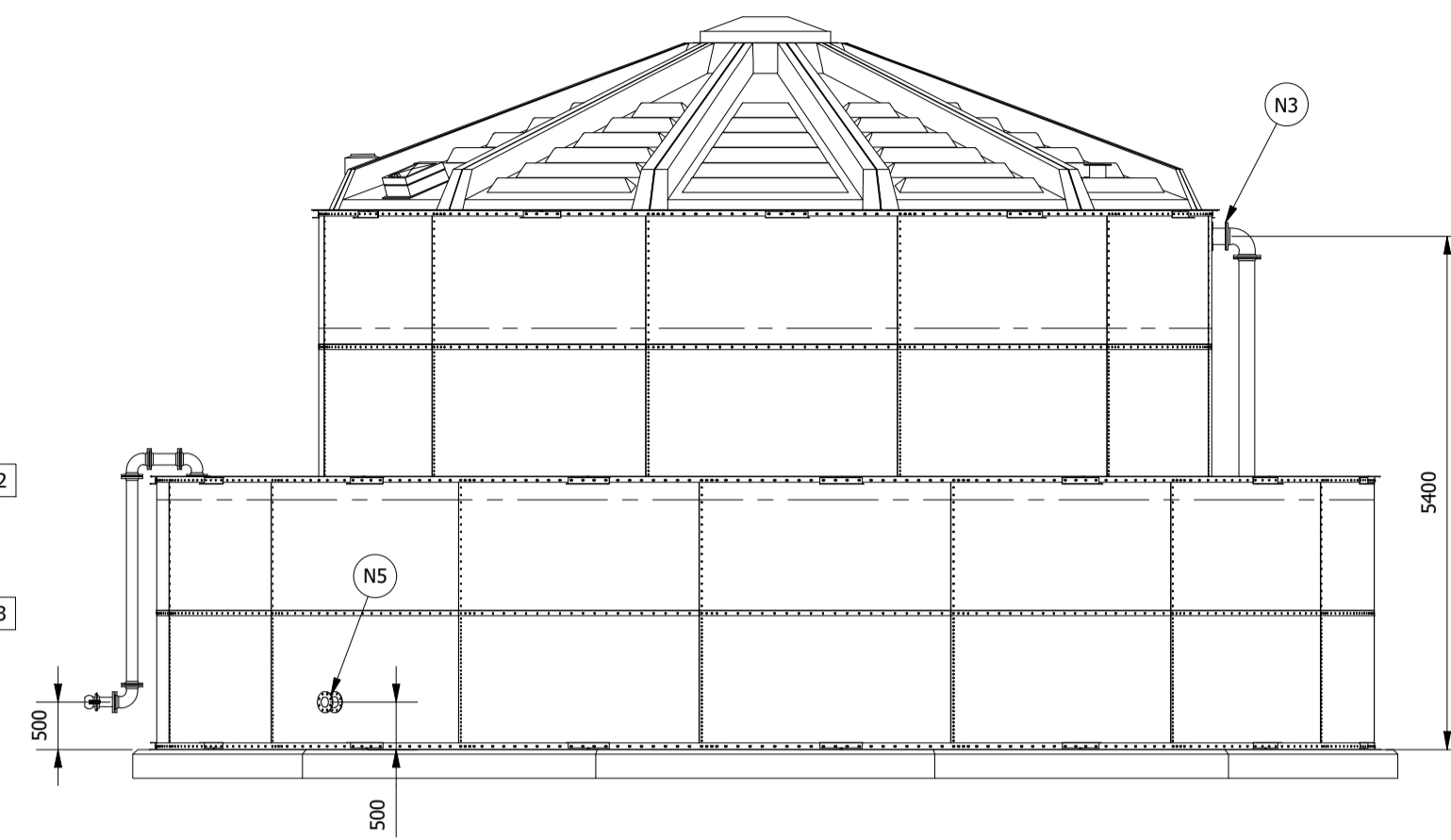


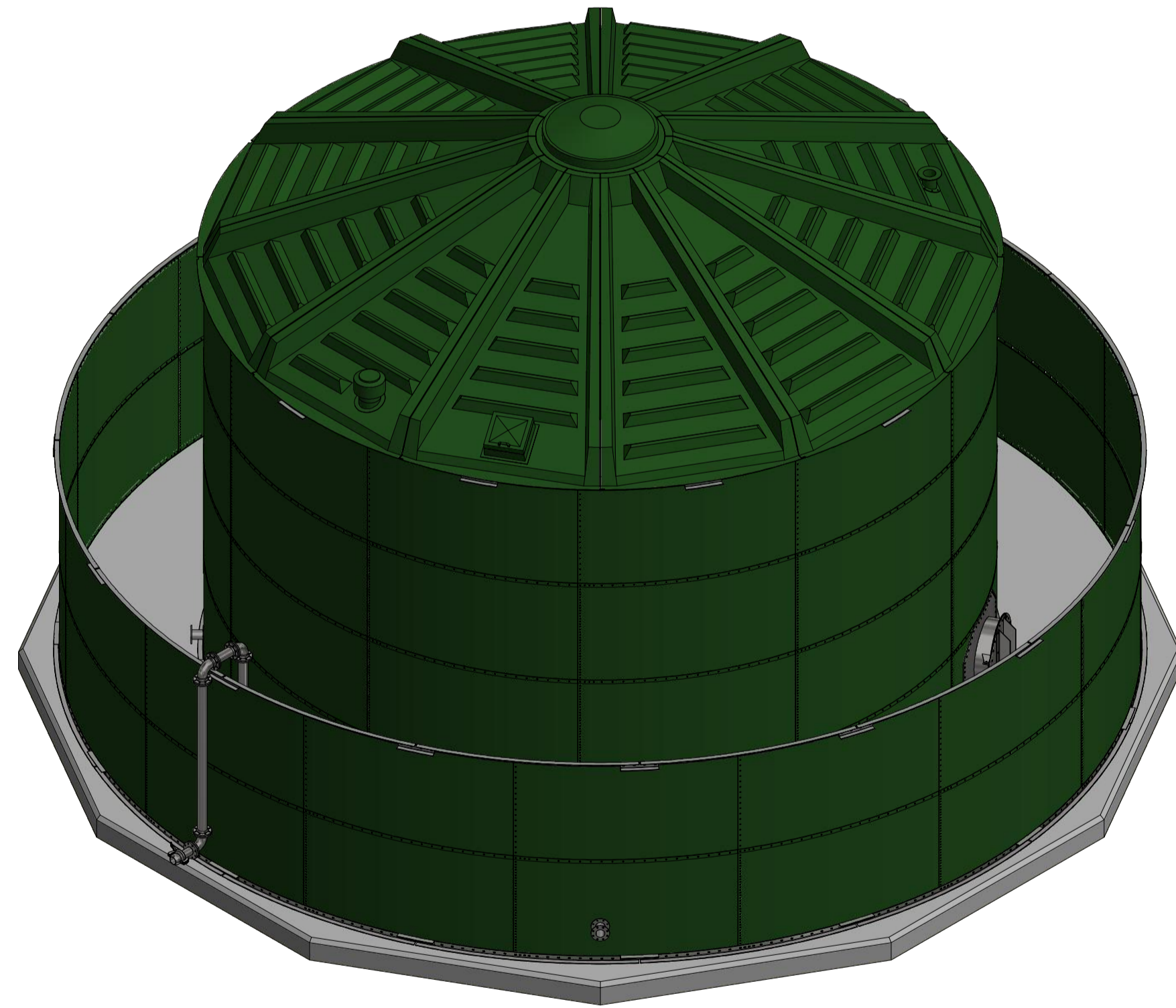
VIEW ON A



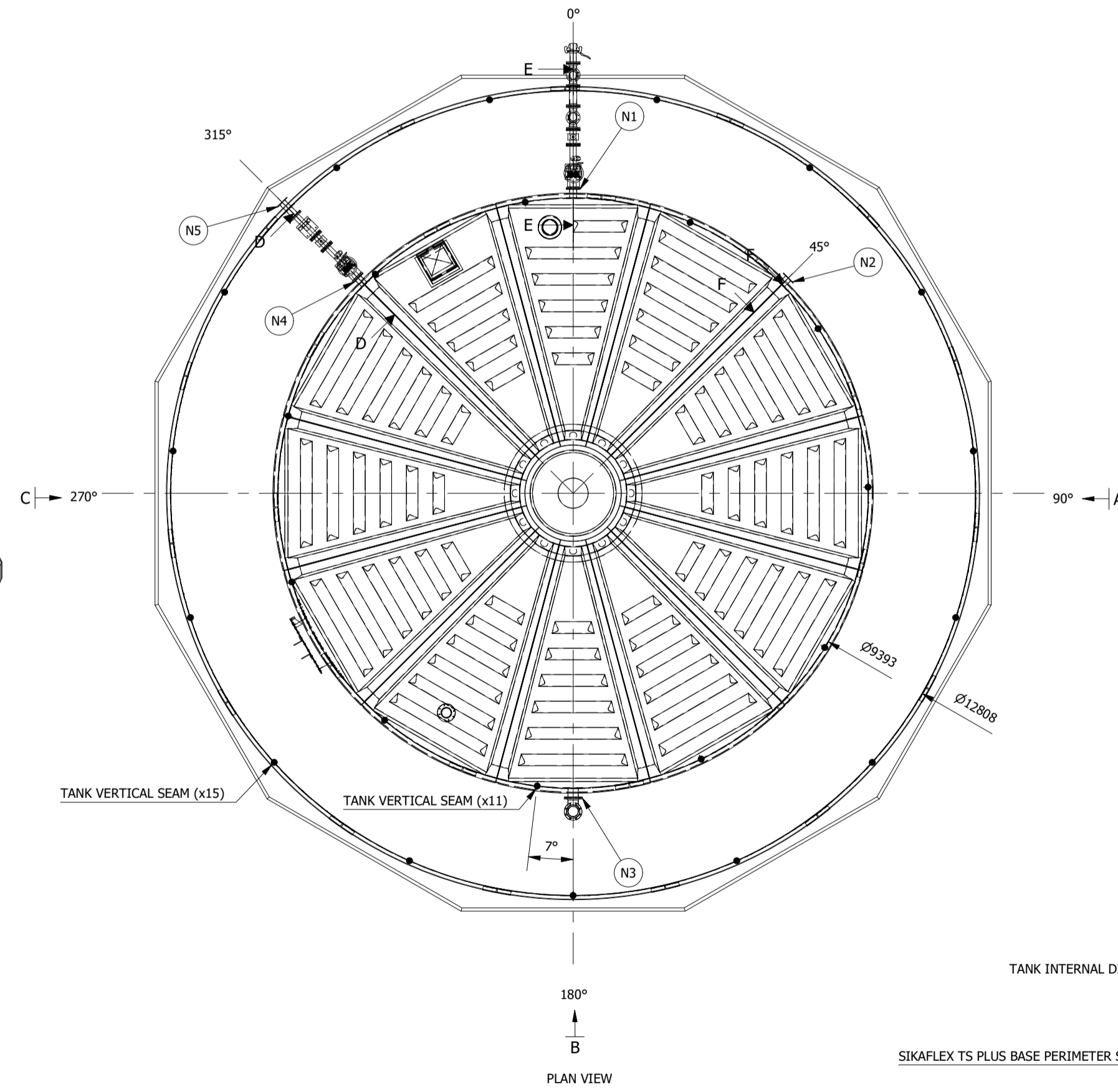
VIEW ON B



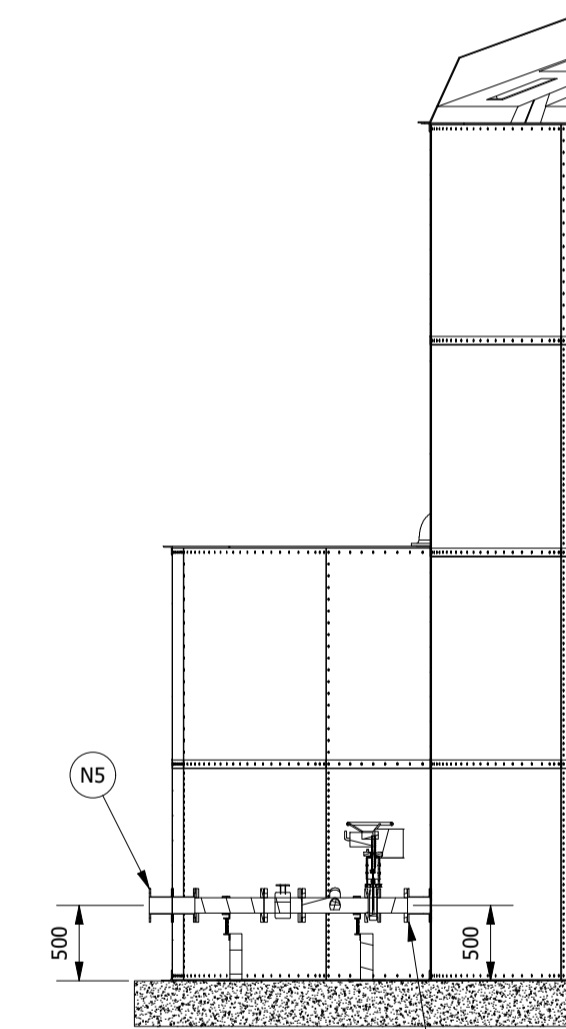
VIEW ON C



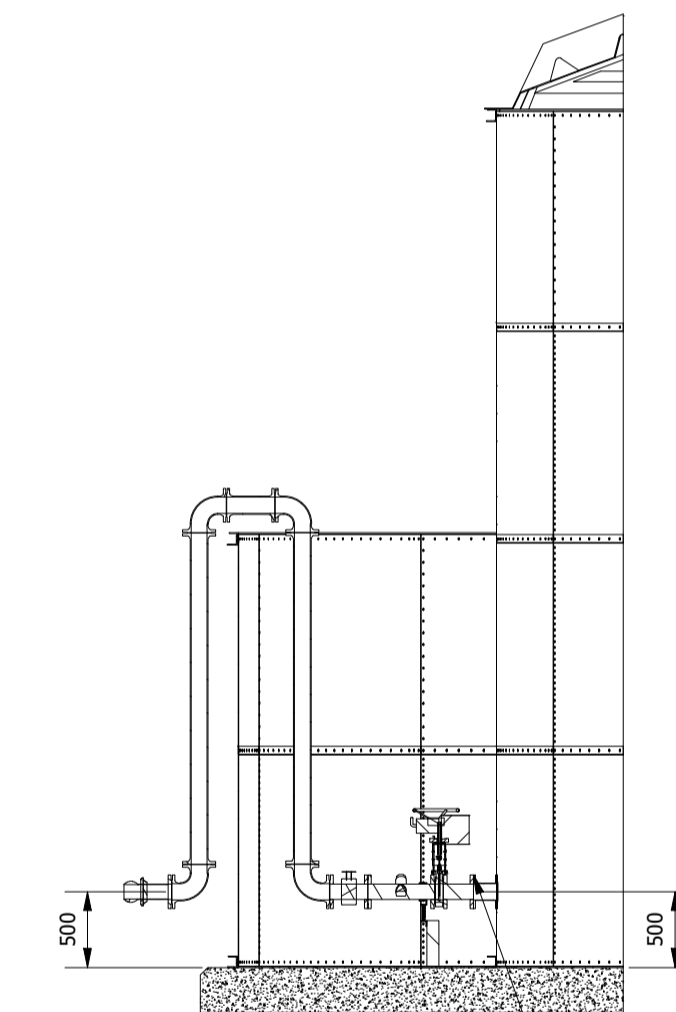
ISOMETRIC VIEW



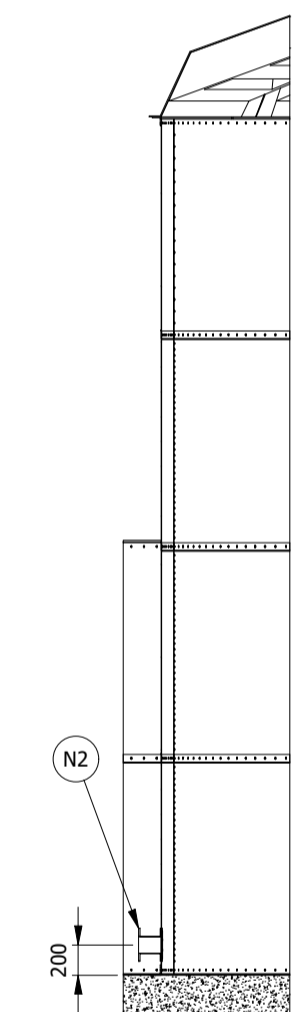
PLAN VIEW



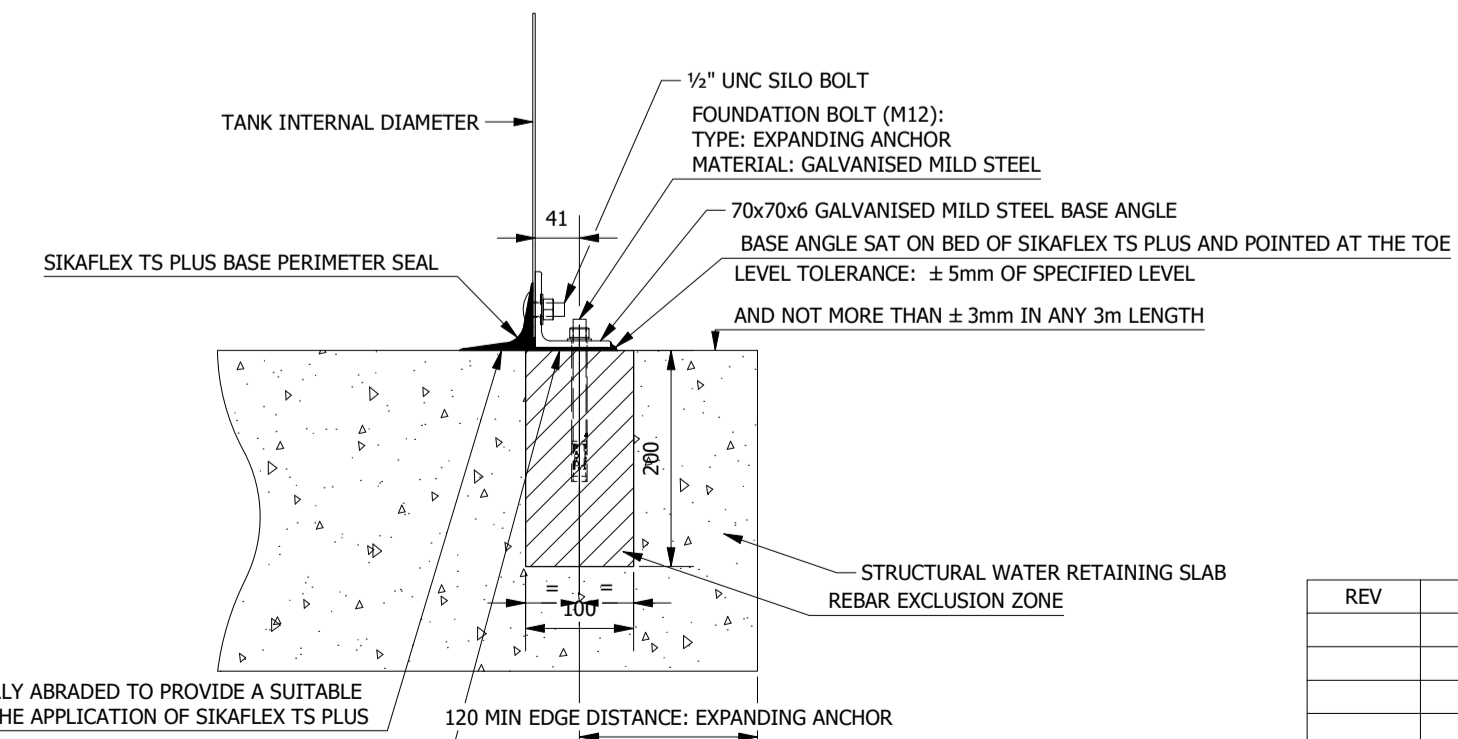
D-D ( 1 : 50 )



E-E ( 1 : 50 )



F-F ( 1 : 50 )



FLAT BASE DETAIL

CONCRETE AT SEALANT INTERFACE TO BE MECHANICALLY ABRADED TO PROVIDE A SUITABLE KEY, THEN PRIMED WITH SIKAPRIMER 3-N PRIOR TO THE APPLICATION OF SIKAFLEX TS PLUS.  
BASE ANGLE AT SEALANT INTERFACE TO BE CLEANED USING SIKAKTIVATOR 205 AND PRIMED USING SIKAPRIMER 210

**NOTES:**

1. Wind loading: BS EN 1991-1-4:2005+A1:2010 Loading for buildings, code of practice for wind loads
2. Tank construction: vertical cylindrical bolted sectional steel
3. Panel coating: Trifusion® vitreous enamel to BS EN ISO 28765:2016
4. External panel colour: BS4900:2011 green 12-B-29 (RAL 6006)
5. Roof construction: GRP 2° conical cover. Colour green 12-B-29
6. Roof fixings: A4-80 stainless bolts : A2-70 nuts & washers
7. Roof/top angle fixings: M12x40 galvanised hex head set screws
8. Roof sealant: Sikaflex TS+ one-part black polyurethane
9. Tank bolts: high tensile steel grade 8.8 to BS 3692:2014
10. Tank bolt coating: spun galvanised to BS EN ISO 1461:2009
11. Tank bolt head internal protection: low density polyethylene moulded cap
12. Tank plate sealant: Sikaflex TS+ one-part black polyurethane
13. Tank plate-base sealant: Sikaflex TS+ one-part black polyurethane, concrete to be primed with Sika primer 3 in accordance with manufacturer's instructions prior to application of sealant
14. Stiffening angles: S275 to BS EN 10025:2004 mild steel, hot dip galvanised to BS EN ISO 1461:2009
15. Tank connector flanges: 10mm thick drilled PN16 to BS EN 1092-1:2007+A1:2013
16. Level tolerance for flat base detail should be within ±5mm of specified level and should not vary by more than ±3mm in any 3.0m length
17. Minimum edge distance for a M12 holding down bolt to be 120mm
18. Tanks to be hydrostatically tested prior to the placement of benching

**TANK:**

Brimful volume: 380m<sup>3</sup>  
Freeboard: 1.25m  
Effective depth: 5.176m  
Working volume: 306m<sup>3</sup>  
SG of contents: 1.05

**BUND:**

Brimful volume: 370.5m<sup>3</sup>  
Freeboard: 0.25m  
Effective depth: 2.626m  
Working volume: 338m<sup>3</sup>  
SG of contents: 1.05

Every effort has been made to interpret the project specification correctly and to provide a suitable solution. Drawings and specifications may be based on assumptions, limited information, or details that require some degree of interpretation. It is the responsibility of our client to ensure that our offerings meet the specific project requirements and specifications.

**On-site requirements:**

Client to mark out positions of critical connections (i.e. inlets, outlets, etc).

PIPE SUPPORT BRACKET SCHEDULE

REF	SIZE	OFF-SET	RANGE	INT / EXT	MATERIAL	QUANTITY	SEAM(S)
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TANK & BUND: CONNECTION SCHEDULE

REF	SIZE	TYPE	MATERIAL	EXT F/F	INT F/F	DESCRIPTION	COMMENTS
N1	100NB	S/F	GMS	150 mm	N/A	TANKER INLET	
N2	100NB	S/F	GMS	150 mm	N/A	PRESSURE SENSOR	
N3	150NB	S/F	GMS	150 mm	N/A	OVERFLOW CONNECTOR	
N4	100NB	S/F	GMS	150 mm	N/A	PUMP OUTLET (TANK)	
N5	100NB	S/F	GMS	150 mm	N/A	PUMP OUTLET (BUND)	
H1	Ø800mm	N/A	GMS	N/A	N/A	Ø800mm MANWAY	
H2	Ø800mm	N/A	GMS	N/A	N/A	Ø800mm MANWAY	

REV	DESCRIPTION	BY	DATE
P01	PRELIMINARY ISSUE	AA	14/08/2022
TITLE	31 20 TANK & 41 10 BUND GENERAL ARRANGEMENT DRAWING		
PROJECT	DEIGHTON		
CLIENT	JD FRIDAM		
REF	C6431		
DATE	14/08/2022		
DRAWN BY	ADAN ABULLE		
CHECKED	DAVID WATSON		
SCALE	1:75		
DRG No.	C6341-001		
ORIGINAL DRAWING SIZE	A1		



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