

1000 L Tank - Layout & Size

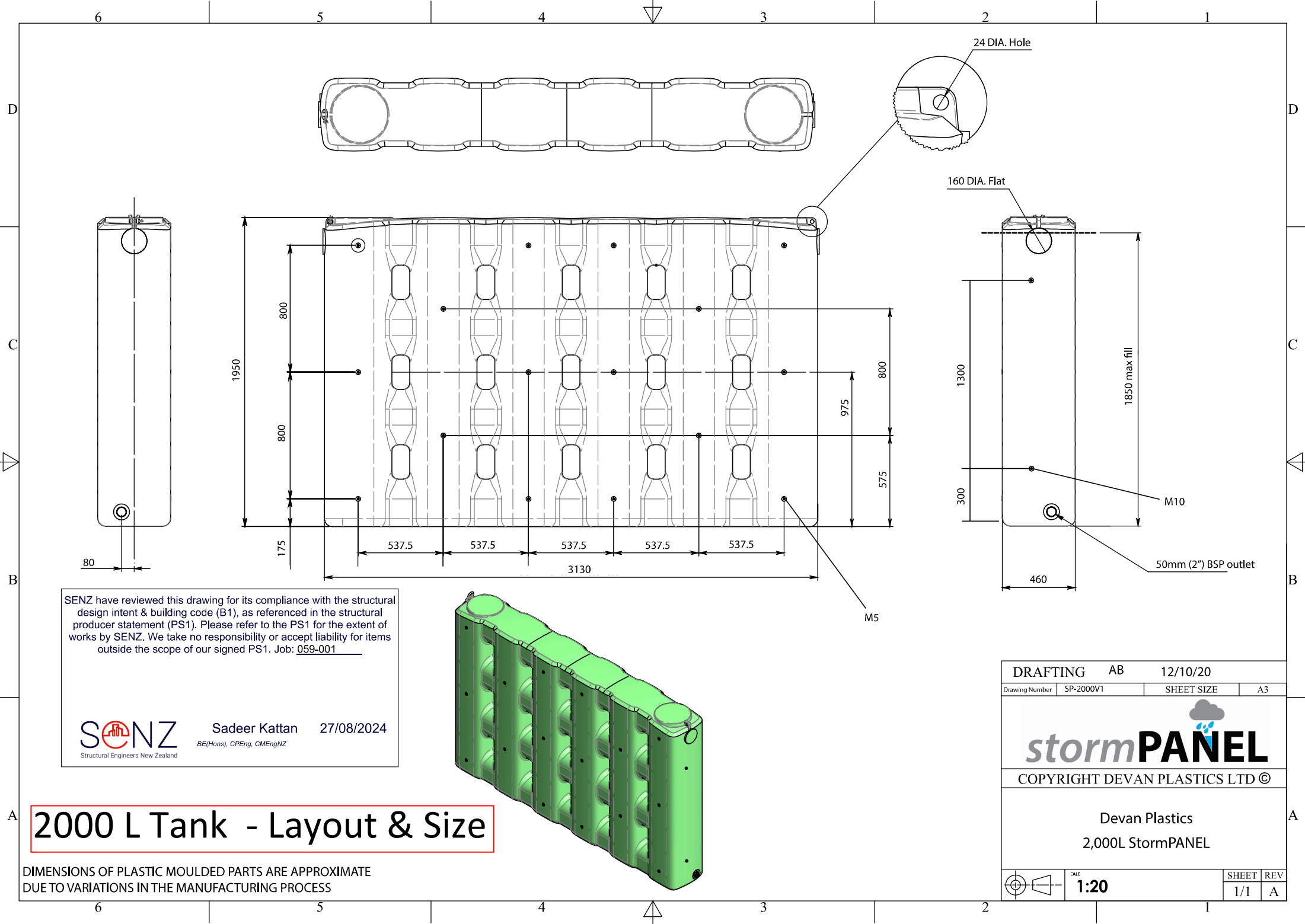
DIMENSIONS OF PLASTIC MOULDED PARTS ARE APPROXIMATE
DUE TO VARIATIONS IN THE MANUFACTURING PROCESS

SENZ have reviewed this drawing for its compliance with the structural design intent & building code (B1), as referenced in the structural producer statement (PS1). Please refer to the PS1 for the extent of works by SENZ. We take no responsibility or accept liability for items outside the scope of our signed PS1. Job: 059-001



Sadeer Kattan 27/08/2024
BE(Hons), CPEng, CMEngNZ

DRAFTING	AB	12/10/20
Drawing Number	SP-1000V1	SHEET SIZE A3
COPYRIGHT DEVAN PLASTICS LTD ©		
Devan Plastics		
1,000L StormPANEL		
		SHEET REV 1/1 A





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2000 L Tank - Layout & Size

DIMENSIONS OF PLASTIC MOULDED PARTS ARE APPROXIMATE
DUE TO VARIATIONS IN THE MANUFACTURING PROCESS

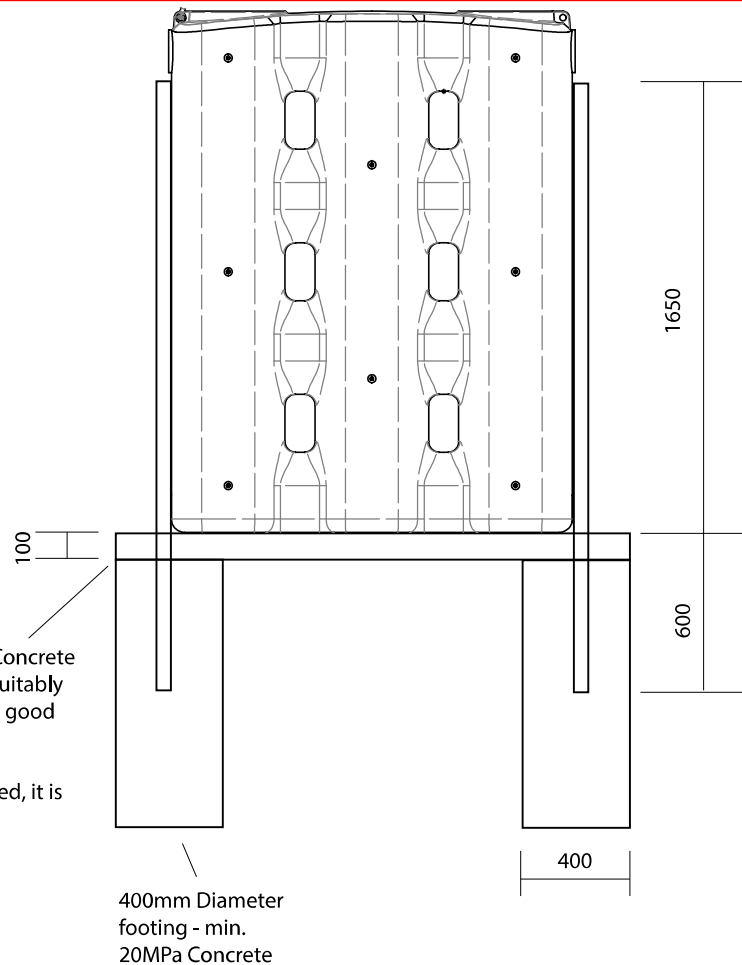
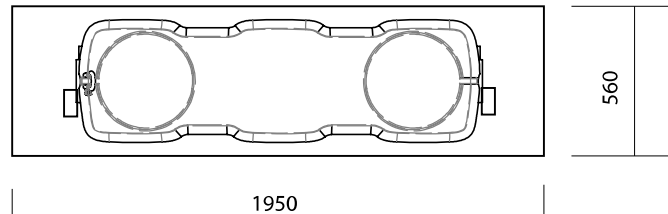
DRAFTING AB		12/10/20	
Drawing Number	SP-2000V1	SHEET SIZE	A3
			
COPYRIGHT DEVAN PLASTICS LTD ©			
Devan Plastics 2,000L StormPANEL			
	SCALE 1:20	SHEET	REV
		1/1	A

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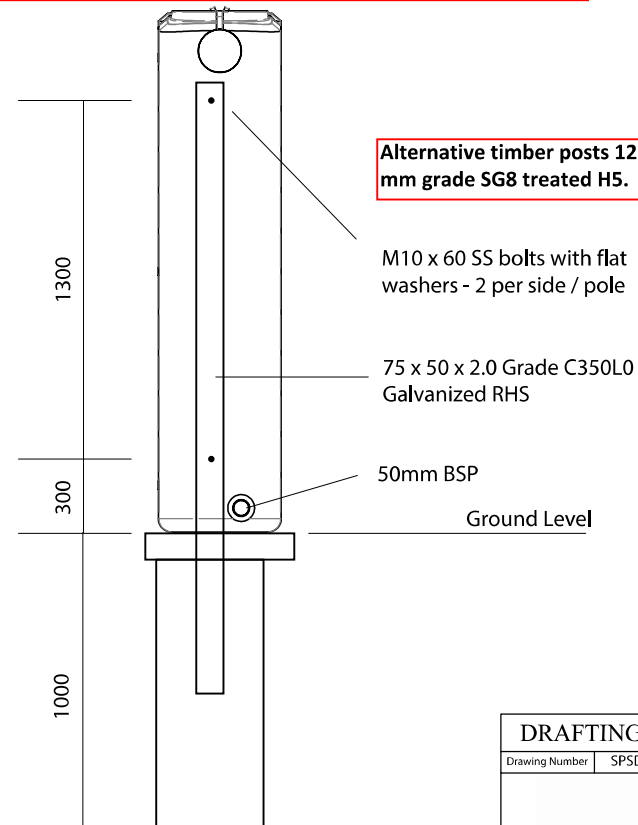
1000 L Tank - Fixed to Steel Posts or alternative Timber Posts



100mm thick min. 20MPa Concrete slab with mesh, pavers or suitably compacted base course on good ground as per NZS3604

*Note – this is recommended, it is not a design requirement

400mm Diameter footing - min. 20MPa Concrete



Alternative timber posts 125x75 mm grade SG8 treated H5.

M10 x 60 SS bolts with flat washers - 2 per side / pole



75 x 50 x 2.0 Grade C350L0 Galvanized RHS

50mm BSP

Ground Level

DIMENSIONS OF PLASTIC MOULDED PARTS ARE APPROXIMATE DUE TO VARIATIONS IN THE MANUFACTURING PROCESS

Must be good ground in accordance with NZS3604 OR natural ground with a minimum shear strength 50kPa

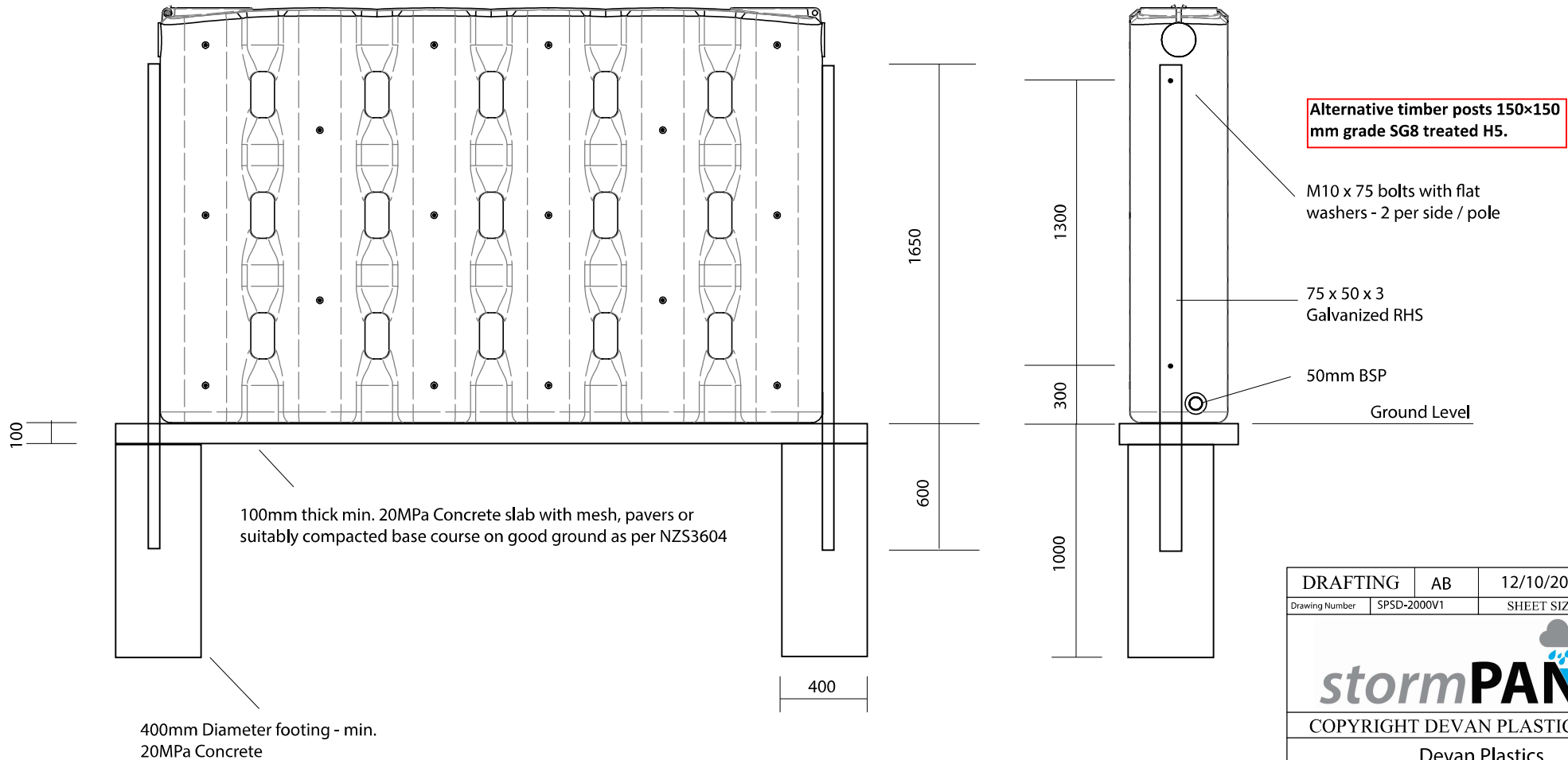
DRAFTING		AB	12/10/20	
Drawing Number	SPSD-1000V1		SHEET SIZE	A3
<div> <i>storm</i>PANEL</div>				
COPYRIGHT DEVAN PLASTICS LTD ©				
Devan Plastics				
StormPANEL				
1,000L Seismic restraint system				
			SHEET	REV
			1/1	A

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
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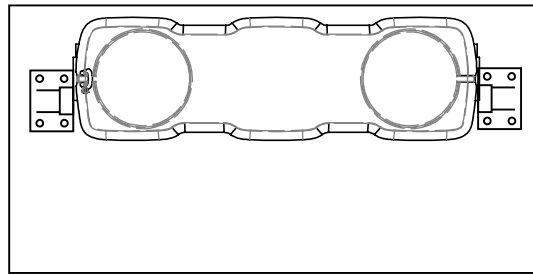
2000 L Tank - Fixed to Steel Posts or alternative Timber Posts



DIMENSIONS OF PLASTIC MOULDED PARTS ARE APPROXIMATE
DUE TO VARIATIONS IN THE MANUFACTURING PROCESS

Must be good ground in accordance with NZS3604
OR natural ground with a minimum shear strength 50kPa

DRAFTING	AB	12/10/20
Drawing Number	SPSD-2000V1	SHEET SIZE A3
		
COPYRIGHT DEVAN PLASTICS LTD ©		
Devan Plastics		
StormPANEL		
2,000L Seismic restraint system		
	SHEET REV	
	1/1	A



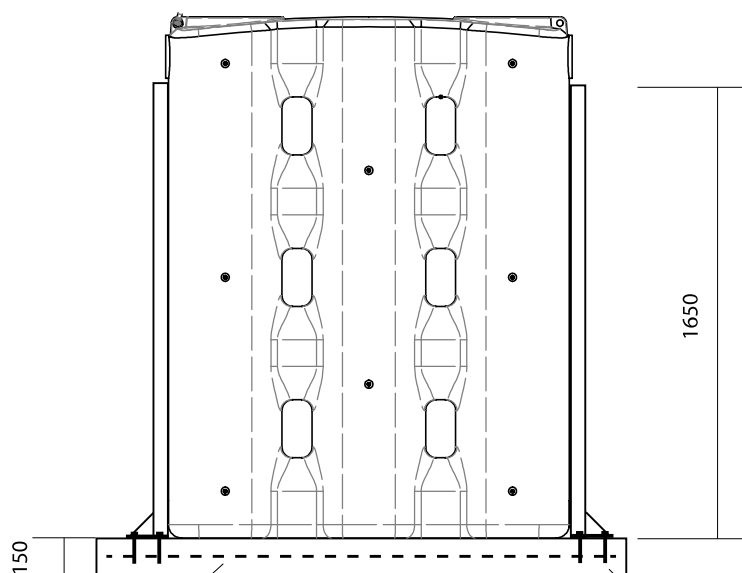
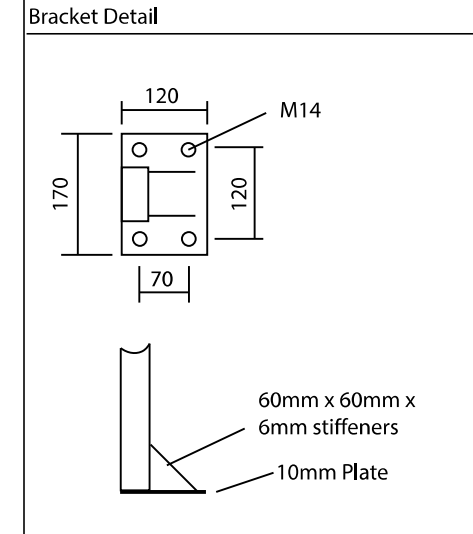
2000

1000

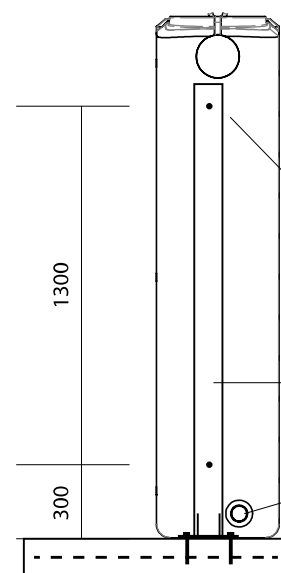
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1650



1300

300

M10 x 60 bolts with flat washers - 2 per side / pole

75 x 50 x 2.0 Grade C350LO Galvanized RHS

50mm BSP

Ground Level


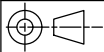
150mm thick min. 25 MPa Concrete slab with SE62 mesh, laid on suitably compacted base course on good ground as per NZS3604

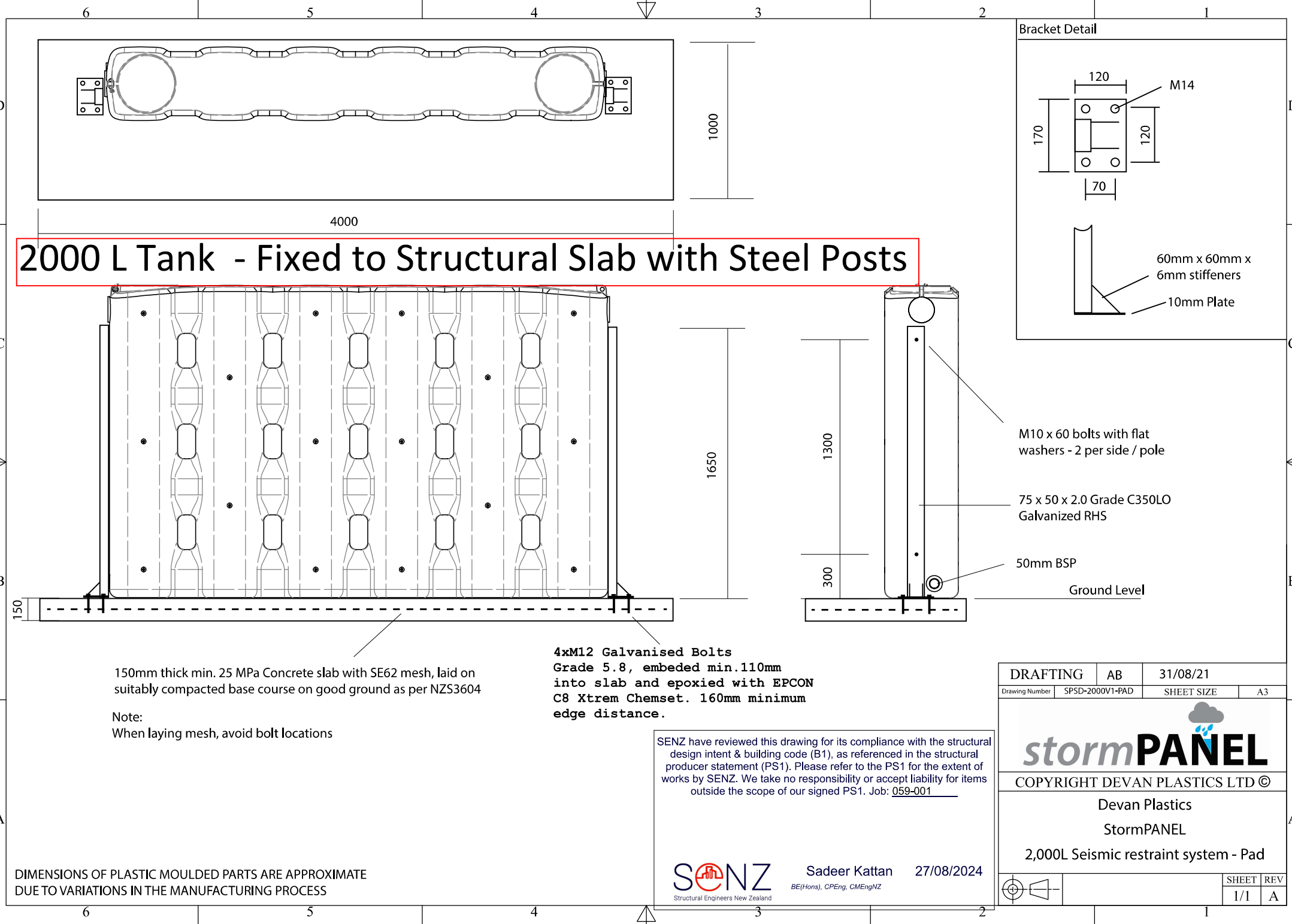
Note:
When laying mesh, avoid bolt locations

4xM12 Galvanised Bolts
Grade 5.8, embeded min.110mm
into slab and epoxied with EPCON
C8 Xtrem Chemset. 160mm minimum
edge distance.

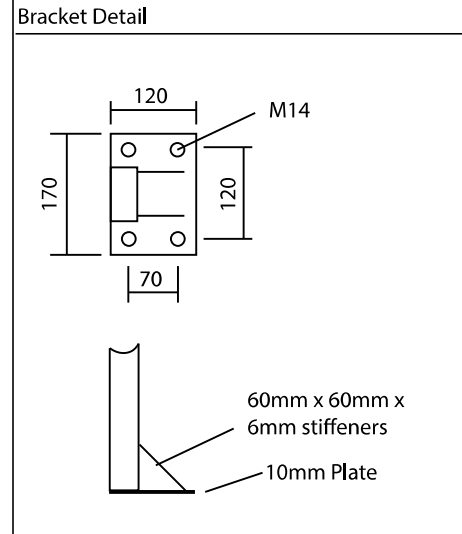
1000 L Tank - Fixed to Structural Slab with Steel Posts

DIMENSIONS OF PLASTIC MOULDED PARTS ARE APPROXIMATE
DUE TO VARIATIONS IN THE MANUFACTURING PROCESS

DRAFTING		AB		31/08/21			
Drawing Number		SPSD-1000V1-PAD		SHEET SIZE		A3	
<div> stormPANEL</div>							
COPYRIGHT DEVAN PLASTICS LTD ©							
Devan Plastics							
StormPANEL							
1,000L Seismic restraint system - Pad							
						SHEET	
						REV	
						1/1	
						A	



2000 L Tank - Fixed to Structural Slab with Steel Posts



M10 x 60 bolts with flat washers - 2 per side / pole

75 x 50 x 2.0 Grade C350LO Galvanized RHS

50mm BSP

Ground Level


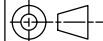
150mm thick min. 25 MPa Concrete slab with SE62 mesh, laid on suitably compacted base course on good ground as per NZS3604

Note:
When laying mesh, avoid bolt locations

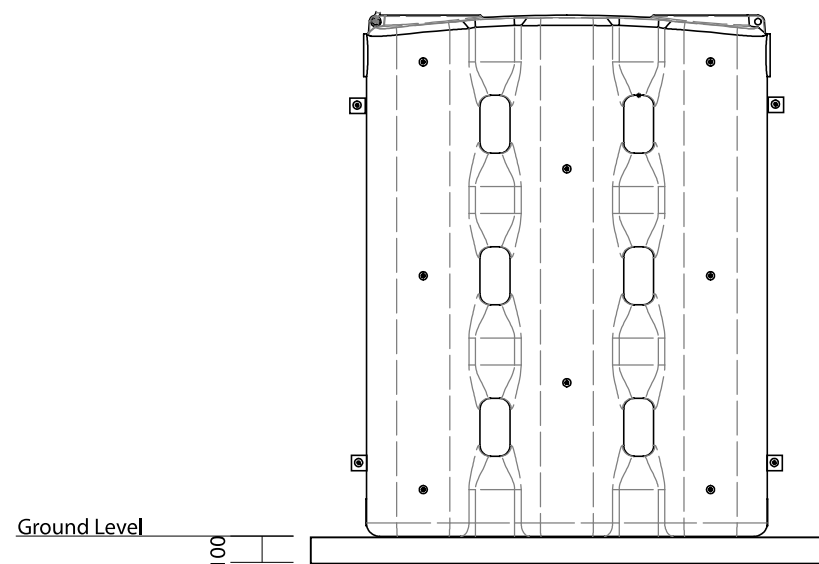
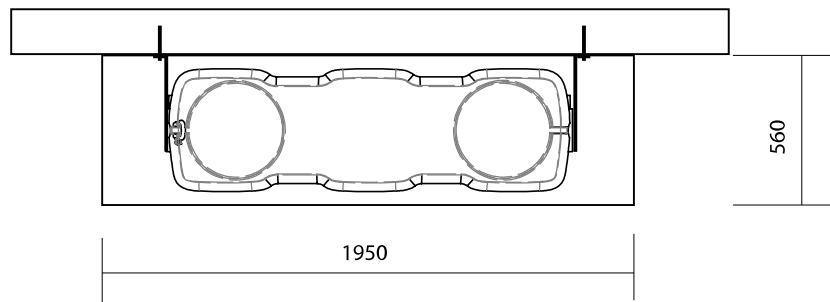
4xM12 Galvanised Bolts
Grade 5.8, embedded min.110mm into slab and epoxied with EPCON C8 Xtrem Chemset. 160mm minimum edge distance.

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DRAFTING		AB	31/08/21	
Drawing Number	SPSD-2000V1-PAD		SHEET SIZE	A3
				
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Devan Plastics				
StormPANEL				
2,000L Seismic restraint system - Pad				
			SHEET	REV
			1/1	A

DIMENSIONS OF PLASTIC MOULDED PARTS ARE APPROXIMATE
DUE TO VARIATIONS IN THE MANUFACTURING PROCESS



100mm thick min. 20MPa Concrete slab with mesh, pavers or suitably compacted base course on good ground as per NZS3604

*Note – this is recommended, it is not a design requirement

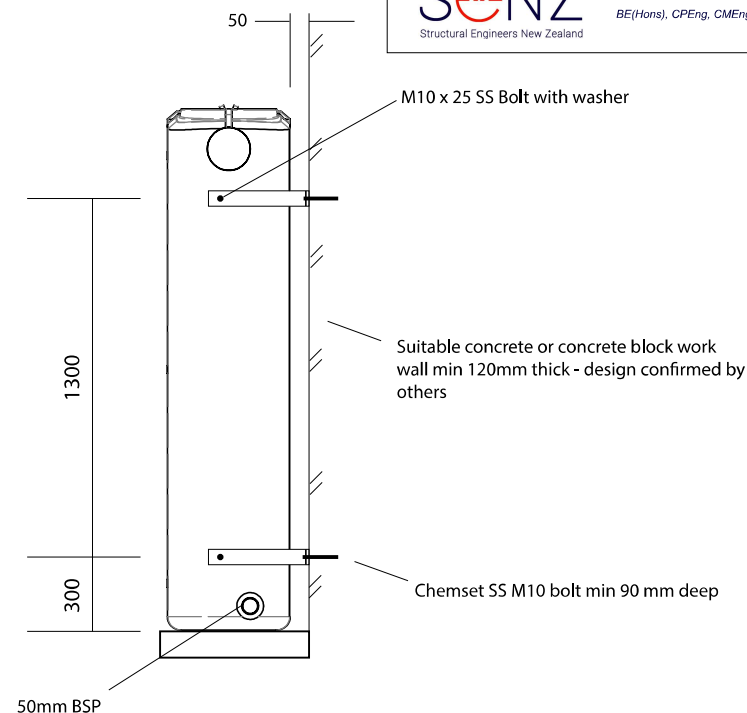
1000 L & 2000 L Tanks - Fixed to a Solid Wall

DIMENSIONS OF PLASTIC MOULDED PARTS ARE APPROXIMATE
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Structural Engineers New Zealand

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Drawing Number	SPWB-1000V1		SHEET SIZE	A3	
<div><p>stormPANEL</p><p>COPYRIGHT DEVAN PLASTICS LTD ©</p><p>Devan Plastics StormPANEL</p><p>1,000L & 2,000L Seismic</p><p>restraint system</p></div>					
				SHEET	RE
				1/1	A

M12 x 100 mm SS Coach Screws

If fitted to fence posts, these should be 125x125 H5 piles.

Brackets can be turned around to suit fence post centres.

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27/08/2024

1950

560

50

M10 x 25 SS Bolt with washer

125 x 125 mm H5 square piles

Chemset SS M10 bolt min 90 mm deep

Ground Level

100

1300

300

50mm BSP



Refer drawing above for fixing to posts for all other details

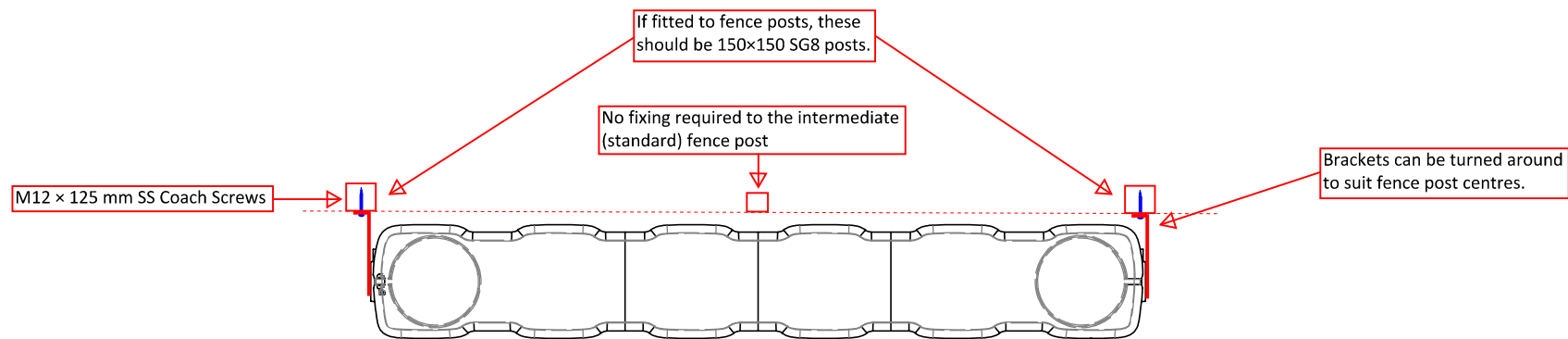
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*Note – this is recommended, it is not a design requirement

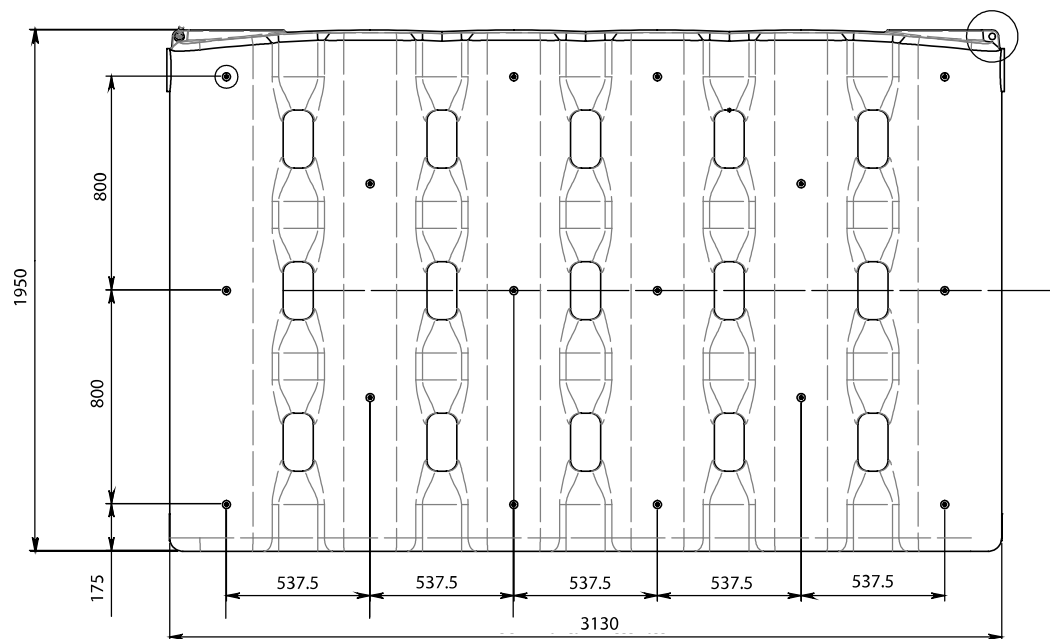
1000 L Tank - Fixed to a Timber Fence

DIMENSIONS OF PLASTIC MOULDED PARTS ARE APPROXIMATE
DUE TO VARIATIONS IN THE MANUFACTURING PROCESS

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Drawing Number	SPWB-1000V1		SHEET SIZE	A3
<div> <i>storm</i>PANEL</div>				
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Devan Plastics StormPANEL				
1,000L & 2,000L Seismic				
restraint system				
			SHEET	REV
			1/1	A



Unless Noted - All other details as per fixing the 1000 L tank (above)



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2000 L Tank - Fixed to a Timber Fence