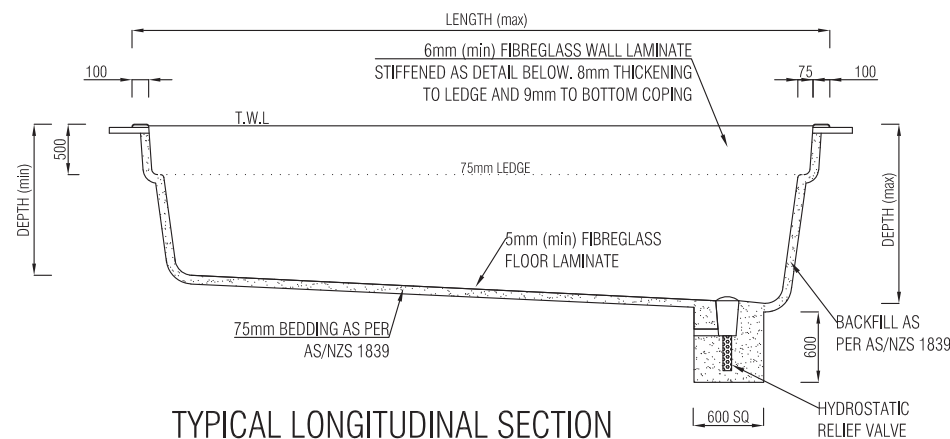


* All measurements are mm.

GRP SHELL MANUFACTURE

- A. THE FIBREGLASS SHELL SHALL BE MANUFACTURED IN ACCORDANCE WITH AS/NZS 1838 (PRE-MOULDED FIBRE REINFORCED PLASTIC SWIMMING POOLS).
- C. SHELL SHALL BE SPRAY MOULDED WITH:
 - 0.8mm GEL COAT (NPG).
 - 2.0mm BARRIER COAT (VINYL ESTER).
 - STRUCTURAL LAYER WHICH WILL GIVE TOTAL BARRIER/STRUCTURAL THICKNESS NOMINATED ON DRAWING.
- D. ALL LAYERS SHALL BE ROLLED OUT TO COMPLETELY BOND REINFORCING & RESINS & EXPEL AIR.
- E. STRUCTURAL LAMINATE SHALL HAVE MINIMUM:
 - FLEXURAL STRENGTH OF 110 MPa.
 - TENSILE STRENGTH OF 60 MPa.
 - MODULUS ELASTICITY OF 6200 MPa.

FOUNDATIONS

- A. ALL TOPSOIL & ORGANIC MATTER UNDER POOL FLOOR IS TO BE REMOVED. THE DESIGN REQUIRES THAT THE FOUNDATION MATERIAL IS TO BE UNIFORM SOUND NATURAL GROUND WITH A MINIMUM BEARING CAPACITY OF 50 kPa.
- B. THIS POOL IS SUITABLE FOR SOIL CLASSIFICATIONS OF 'A', 'S', 'M' SITES.
- C. FOR SOIL CLASSIFICATIONS OF 'H' & 'E' SITES REFER TO CERTIFICATION LETTER FOR REQUIRED ADJUSTMENTS.
- D. ALL SOIL CLASSIFICATIONS OF 'P' SITES SHALL BE REFERRED TO AN ENGINEER.

INSTALLATION

- A. THE POOL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF AS/NZS 1839 & THIS SPECIFICATION.
- B. CONCRETE TO CONCOURSE SHALL BE 20 MPa (min), WITH 20mm AGGREGATE & 100±10 SLUMP - TYPE A CEMENT, COMPACT CONCRETE THOROUGHLY AROUND SKIMMER & UNDER COPING FLANGE.
- C. REINFORCING STEEL: 3-L11TM OR 3-BAR 8Ø WITH 1-D12 EACH SIDE
- D. TOLERANCES SHALL BE IN ACCORDANCE WITH AS/NZS 1838.
- E. PLUMBING SHALL BE 40Ø PRESSURE LINES AND 50Ø SUCTION LINES CLASS 9 PIPE AND CLASS 18 FITTINGS. PRIME ALL JOINTS BEFORE APPLYING SOLVENT.

OPERATION

- A. THE POOL SHELL MAY BE DAMAGED IF THE POOL WATER IS DROPPED BELOW NORMAL OPERATING LEVEL. CONSULT THE INSTALLATION CONTRACTOR PRIOR TO EMPTYING THE POOL.

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							APPROVED	 22NOV2024		 LEISURE POOLS SWIMMING IN QUALITY AND STYLE	Structural Details (Fibreglass Swimming Pool)		
E	REVISED AS PER CLIENTS REQUEST	GAB	MAY2020				RPEQ	6715			TITLE	REFLECTION	
D	REVISED AS PER CLIENTS REQUEST	GAB	OCT2016				REVIEWED				DRAWING NUMBER	14-7287-S08	REV
C	REVISED AS PER CLIENTS REQUEST	GAB	OCT2014				DESIGNED	RAB MAR2020					
B	REVISED AS PER CLIENTS REQUEST	GAB	JUL2014				DRAWN	GAB MAR2020					
A	REVISED AS PER CLIENTS REQUEST	GAB	MAY2014				SCALE	AS SHOWN		ORIGINAL DRAWING SIZE at A3		E	
-	PRELIMINARY FOR CLIENT APPROVAL	GAB	APR2014										
REV	DESCRIPTION	BY	DATE		DRAWING NAME	TITLE							