

**SUMMERMORE Pty Ltd** ABN 42 108 898 433

**PO Box 1671**

**Browns Plains BC**

**Queensland, 4118**

**Tel: 07 3800 0973**

**E: [ron@summermore.com.au](mailto:ron@summermore.com.au)**

**W: [www.summermore.com.au](http://www.summermore.com.au)**

Tuesday, 4 June 2024

Barrier Reef Pools Perth  
28 Davinci Way,  
Forrestdale,  
WA, 6112.

**GENERIC STRUCTURAL DESIGN CERTIFICATION (19-19046)  
FIBREGLOSS SWIMMING POOLS**

We, Summermore Pty Ltd, being Registered Structural and Civil Engineers, hereby certify the design of the Structural Design of Fibreglass Swimming Pools as detailed in the attached drawings 19-19046-S01–S25 (28 Sheets), have been designed in accordance with widely accepted engineering principles and the referenced codes of practice.

|                          |  |
|--------------------------|--|
| NCC:2022 (Amendment One) | Building Code of Australia   |
| AS/NZS1170.0:2002        | Structural Design Actions—General Principles                               |
| AS/NZS1170.1: 2002       | Structural Design Actions—Permanent, Imposed & Other Actions               |
| AS 1838:2021             | Swimming Pools—Premoulded fibre-reinforced plastics—Design and Fabrication |
| AS 1839:2021             | Swimming Pools—Premoulded fibre-reinforced plastics—Installation           |
| AS 3600:2018             | Concrete Structures  |
| AS 3633-1989             | Private swimming pools - Water quality                                     |

This certification is limited to the documentation supplied and compliance with the requirements of the published codes of practice listed and should not be used for any other purpose. Summermore Pty Ltd accepts no responsibility for information that has not been expressly identified as part of this assessment. This assessment can only be relied upon by the addressee and cannot be relied upon by any third party. Summermore Pty Ltd accepts no responsibility for any third party that seeks to rely upon this assessment.

If we can be of any further assistance in this matter, please do not hesitate to contact this office.

Yours Faithfully

Ronald Bell  
FIEAust (891940), CPEng, NER, APEC Engineer, IntPE(Aus), Registered Engineer Structural NSW (BDC04601).  
Director  
Summermore Pty Ltd

**This Certificate Expires on 01st May 2025**



**ENGINEERS  
AUSTRALIA**



SWIMMING POOL & SPA ASSOCIATION

**1. Property description**

Street address **XX**

Lot and plan details (attach list if necessary) **XX**

Local government area the land is situated in **XX**

**2. Description of aspect/s certified**

**Structural Design of Fibreglass Swimming Pools**

**3. Basis of certification**

**NCC:2022 – amendment one - Building Code of Australia  
 AS/NZS1170.0:2002 Structural Design Actions—General Principles  
 AS/NZS1170.1:2002 Structural Design Actions—Permanent, Imposed & Other Actions  
 AS 1838:2021 Swimming Pools—Premoulded fibre-reinforced plastics—Design and Fabrication  
 AS 1839:2021 Swimming Pools—Premoulded fibre-reinforced plastics—Installation  
 AS 3600:2018 Concrete Structures  
 AS 3633-1989 Private swimming pools - Water quality**

**4. Reference documentation**

**Drawing Set 19—19046—S01—S26 depicting the full range of pools.  
 Any of these sheets is a stand-alone document.**

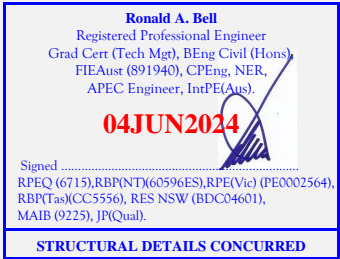
**5. Building certifier reference number and building development approval number**

|                                     |  |  |  |
|-------------------------------------|--|--|--|
| Building certifier reference number |  | Building development application number (if available) |  |
|-------------------------------------|--|--|--|

**6. Appointed competent person details**

|  |  |        |            |
|--|--|--------|------------|
| Name (in full)   | Ronald Albert BELL   |        |            |
| Company name (if applicable)                             | Summermore Pty Ltd   |        |            |
| Contact person   | Ron Bell   |        |            |
| Business phone number                                    | 0738000973   | Mobile | 0438288116 |
| Email address  | <a href="mailto:ron@summermore.com.au">ron@summermore.com.au</a> |        |            |
| Postal address   | PO Box 1671 Browns Plains, QLD, 4188.                            |        |            |
| Licence class or registration type & registration number | RPEQ 6715  |        |            |

**9. Signature of appointed competent person**

|           |  |      |  |
|-----------|--|------|--|
| Signature |  <p><b>Ronald A. Bell</b><br/>                 Registered Professional Engineer<br/>                 Grad Cert (Tech Mgt), BEng Civil (Hons)<br/>                 FIEAust (891940), CPEng, NER,<br/>                 APEC Engineer, IntPE(Aus).<br/> <b>04JUN2024</b><br/>                 Signed .....<br/>                 RPEQ (6715), RBP(NT)(60596ES), RPE(Vic) (PE0002564),<br/>                 RBP(Tas)(CC5556), RES NSW (BDC04601),<br/>                 MAIB (9225), JP(Qual).<br/> <b>STRUCTURAL DETAILS CONCURRED</b></p> | Date | Tuesday, 4 June 2024<br><br><b>This Certificate Expires on 01st May 2025</b> |
|-----------|--|------|--|

**LOCAL GOVERNMENT USE ONLY**

|               |                               |                    |  |
|---------------|-------------------------------|--------------------|--|
| Date received | Click or tap to enter a date. | Reference number/s |  |
|---------------|-------------------------------|--------------------|--|

**Building Act 1993**  
*Section 238(1)(a)*  
**Building Regulations 2018**  
*Regulation 126*

**GENERIC CERTIFICATE OF COMPLIANCE FOR PROPOSED BUILDING WORK**

This certificate is issued to:

This certificate is issued in relation to the proposed building work at:  
THE STATE OF VICTORIA

**Nature of proposed building work**

Construction of a new fibreglass swimming pool.  
Version of BCA applicable to certificate – 2022 – Amendment One

**Building classification**

Building – Class 10b

**Prescribed class of building work for which this certificate is issued:**

Design or part of the design of building work relating to Structural matter

**Documents setting out the design that is certified by this certificate**

| Document no.     | Document date | Type of document                 | Number of pages | Prepared by |
|------------------|---------------|----------------------------------|-----------------|-------------|
| 19-19046-S01—S26 | 04 JUN 2024   | Pool Design Drawings             | 28              | RAB         |
| 19-19046         | 04 JUN 2024   | Reactive Clay Design Certificate | 1               | RAB         |

**\*Performance solution**

A performance solution forms part of the design certified by this certificate. The performance solution complies with the following performance requirements of the NCC

| Relevant performance requirement  |
|---|
| AS/NZS1170.0:2002 Structural Design Actions—General Principles                          |
| AS/NZS1170.1: 2002 Structural Design Actions—Permanent, Imposed & Other Actions         |
| AS 1838:2021 Swimming Pools—Premoulded fibre-reinforced plastics—Design and Fabrication |
| AS 1839:2021 Swimming Pools—Premoulded fibre-reinforced plastics—Installation           |
| AS 3600:2018 Concrete Structures  |
| AS 3633-1989 Private swimming pools - Water quality                                     |
| AS 1926.3:2010 Swimming Pool Safety – Water Recirculation Systems                       |

\*I prepared the design, or part of the design, set out in the documents listed above.

I certify that the design set out in the documents listed above complies with the provisions set out above.

I believe that I hold the required skills, experience and knowledge to issue this certificate and can demonstrate this if requested to do so.

**Engineer**

Name: Ronald Albert BELL

Address: PO Box 1671, Browns Plains, QLD, 4118.

Email: [ron@summermore.com.au](mailto:ron@summermore.com.au)

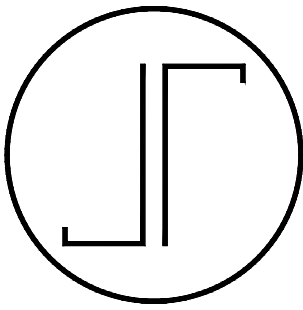
\*Endorsed building engineer area of engineering: Civil - Structural

\*Endorsed building engineer registration no.: PE0002564

Date of issue of certificate: Tuesday, 4 June 2024

Signature:

**This Certification Expires on 01 May 2025**



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Tuesday, 4 June 2024

Barrier Reef Pools Perth  
28 Davinci Way,  
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WA, 6112.

**AS2870 CLASSIFICATION H2 AND E SITE REQUIREMENT DESIGN CERTIFICATION (19-19046)  
FIBREGLASS SWIMMING POOLS**

Further to your requirement for advice with respect to the installation of Fibreglass Swimming Pools where a Soil Classification of H2 or E has been determined, we, Summermore Pty Ltd, being Registered Structural and Civil Engineers, hereby certify that the following design amendment advice will be suitable.

- The existing drawings, 19-19046-S01–S25 (27 Sheets) which are suitable for soil classifications of A, S, M, and H1 (up to 60 millimetres of surface movement) or as noted on the drawings, should be read in conjunction with this advice.
- Provide a 200 millimetre thick bedding layer of non-cohesive permeable material.
- Provide a 200 millimetre thick backfill in accordance with the material selection in AS 1839:2021, Clause 5.2 (a–d).
- The 360 millimetre wide coping shall be 200 millimetres thick with two layers of 3/N12 to the top and bottom with 45 millimetres cover.
- Provide 450mm deep trenches for supply and return piping which shall be filled with crusher dust or sand or an appropriate material that has no cement content.

Reference Documents

|                          |  |
|--------------------------|--|
| NCC:2022 - Amendment One | Building Code of Australia   |
| AS/NZS1170.0:2002        | Structural Design Actions—General Principles                               |
| AS/NZS1170.1: 2002       | Structural Design Actions—Permanent, Imposed & Other Actions               |
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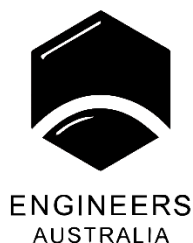
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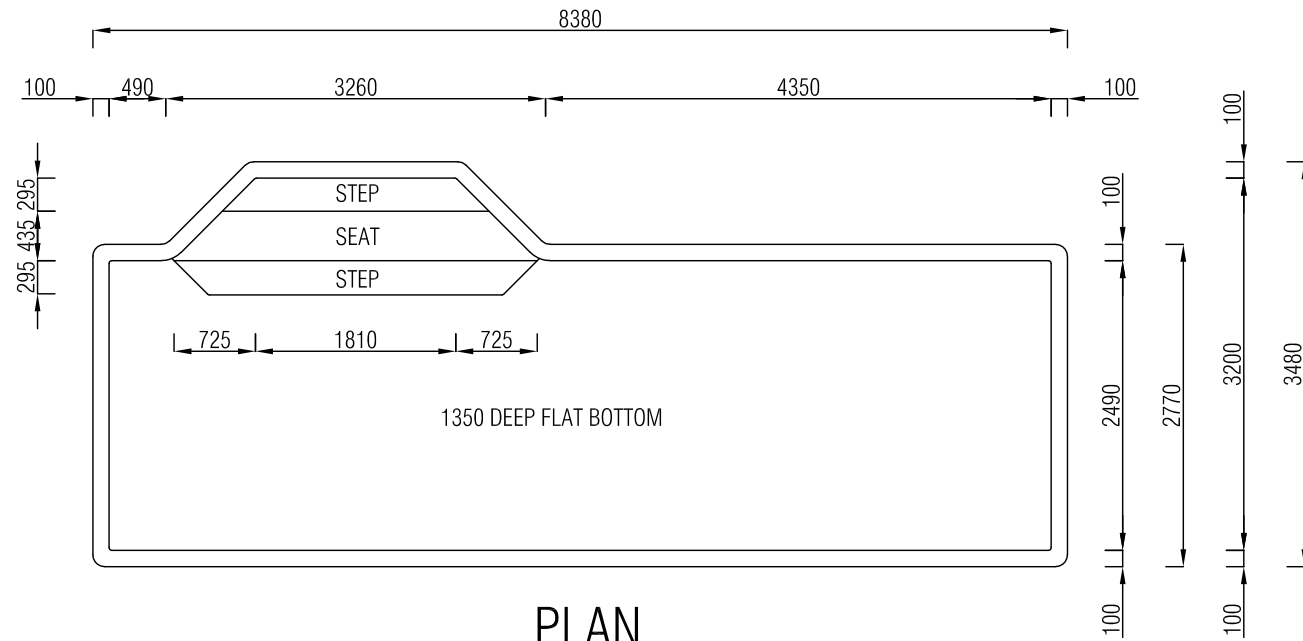
Yours Faithfully

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Director  
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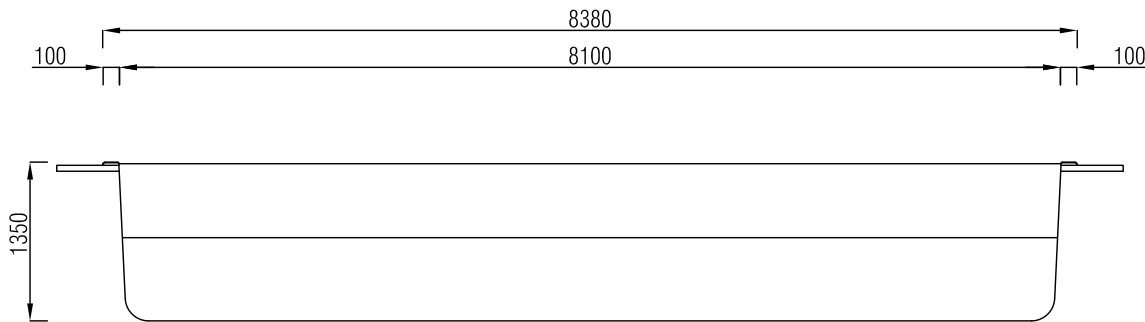
**This Certificate Expires on 01st May 2025**



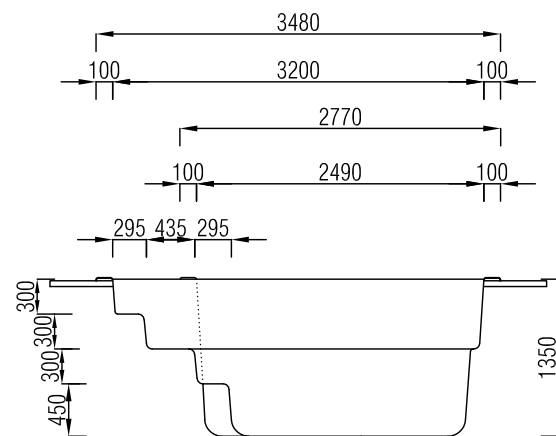




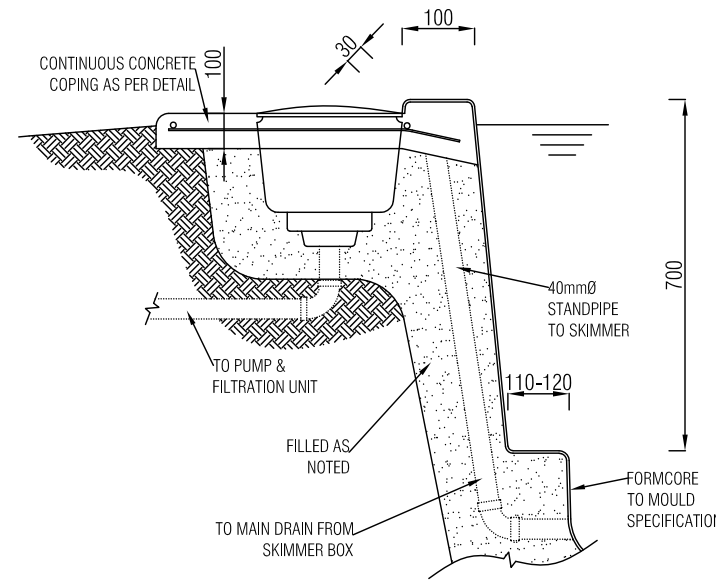
**PLAN**  
N.T.S



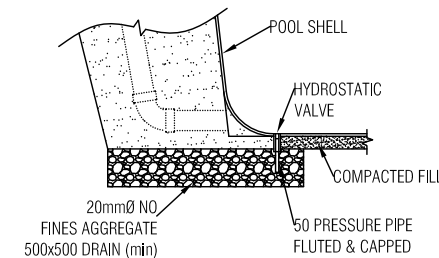
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N.T.S



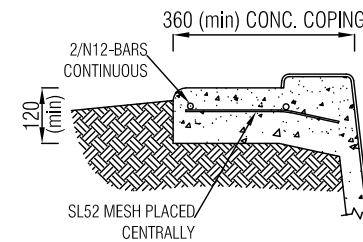
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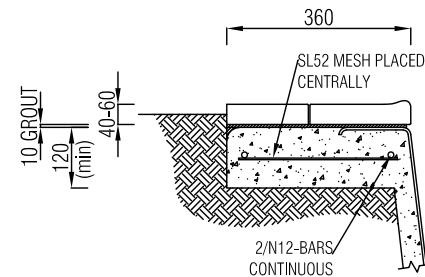
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S  
\*Concrete paving beside coping shall not be fixed to pool coping.

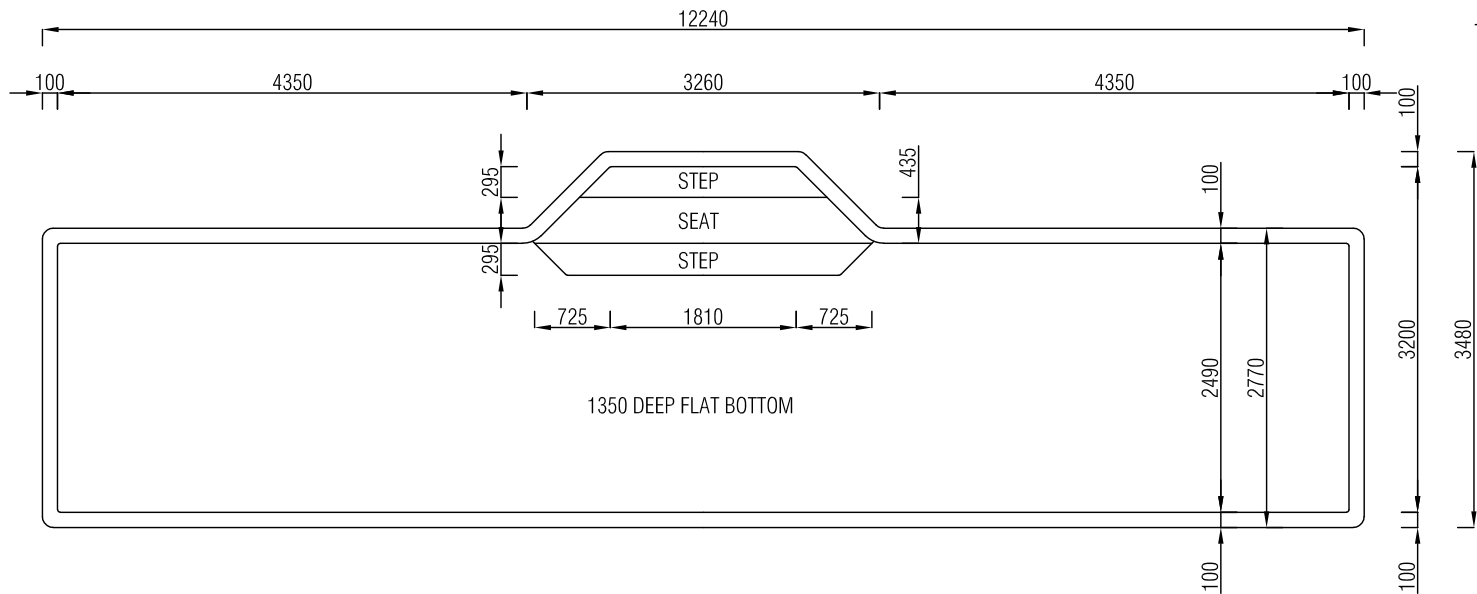


**ALTERNATIVE FOR PAVERS**  
N.T.S

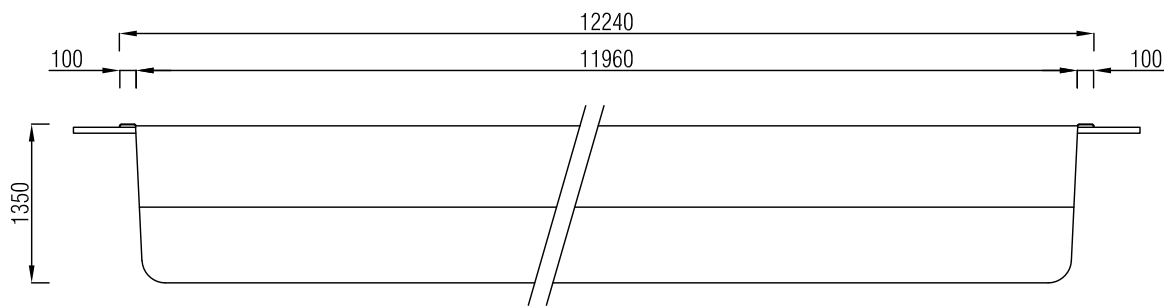
**GENERAL NOTES**

1. PROVIDE A 100mm (min) THICK BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL (max) SIZE 12mm.
2. WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
3. THE GRANULAR BASE SHALL BE SCREEDED & COMPACTED TO PROVIDE UNIFORM SUPPORT FOR THE SHELL. PLACE GRAVEL, PLUG, LEVEL THE POOL, HANDLING WITH A CENTRE SPREADER.
4. BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
5. THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
6. THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
8. ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
10. GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
11. CONCRETE STRENGTH TO BE N20/20/100.
12. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
13. NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.
15. THIS POOL IS NOT INTENDED FOR USE ON ABOVE GROUND INSTALLATIONS OR DESIGNED TO BE EMPTIED WITHOUT THE APPROVAL OF BARRIER REEF POOLS P/L.
16. ALL POOLS TO HAVE 1/N12 INSIDE & OUTSIDE OF COPING ON THE LONGEST SIDE & 1/N12 EACH END.
17. ALL LAPPING OF BARS TO BE 600mm (min) & TIED.
18. POOLS OVER 8400mm LONG ARE TO HAVE 2/N12 BARS ON OUTSIDE OF COPING 50mm APART.
19. THIS POOL IS SUITABLE FOR SOIL CLASSIFICATIONS OF 'A', 'S', 'M' & 'H1' SITES.
20. FOR SOIL CLASSIFICATIONS OF 'H2' & 'E' SITES REFER TO CERTIFICATION LETTER FOR REQUIRED ADJUSTMENTS.
21. ALL SOIL CLASSIFICATIONS OF 'P' SITES SHALL BE REFERRED TO AN ENGINEER.

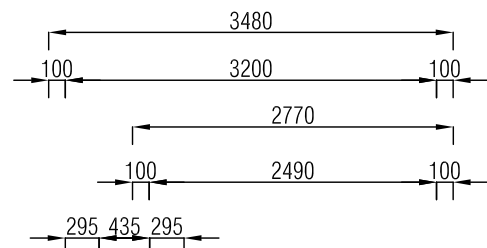
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|---|----------------------|-----|----------|-----------------------------|-------|--|--|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|
| THESE DESIGNS, PLANS AND INFORMATION ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART OR TO BE USED ON ANY PROJECT WITHOUT THE WRITTEN PERMISSION OF SUMMERMORE PTY LTD |                      |     |          | APPROVED                    |       |  |  | 04 JUN 2024  |  |  |  | Consulting Engineers                           |  |  |  | Barrier Reef Pools Perth                     |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |         |  |  |  |
| DO NOT SCALE FROM THESE DRAWINGS.   |                      |     |          | RPEQ                        |       |  |  | 6715         |  |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433        |  |  |  | 28 Davinci Way,<br>Forrestdale,<br>WA, 6112. |  |  |  | TITLE                                      |  |  |  |         |  |  |  |
|   |                      |     |          | REVIEWED                    |       |  |  |              |  |  |  | ron@summermore.com.au<br>www.summermore.com.au |  |  |  | 8m LAP POOL / TRAINER 8                      |  |  |  |  |  |  |  |         |  |  |  |
|   |                      |     |          | DESIGNED                    |       |  |  | RAB JUL 2023 |  |  |  | PO Box 1671<br>Browns Plains BC, QLD, 4118     |  |  |  | DRAWING NUMBER                               |  |  |  |  |  |  |  |         |  |  |  |
|   |                      |     |          | DRAWN                       |       |  |  | GAB JUL 2023 |  |  |  | Phone: 07 3800 0973<br>Fax: 07 3800 1860       |  |  |  | 19-19046-S01                                 |  |  |  |  |  |  |  |         |  |  |  |
|   |                      |     |          | SCALE                       |       |  |  | AS SHOWN     |  |  |  |  |  |  |  | REV  |  |  |  |  |  |  |  |         |  |  |  |
|   |                      |     |          | ORIGINAL DRAWING SIZE at A3 |       |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |
| REV   | DESCRIPTION          | BY  | DATE     | DRAWING NAME                | TITLE |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |
| -   | PRELIMINARY DRAWINGS | GAB | JUL 2023 |                             |       |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |



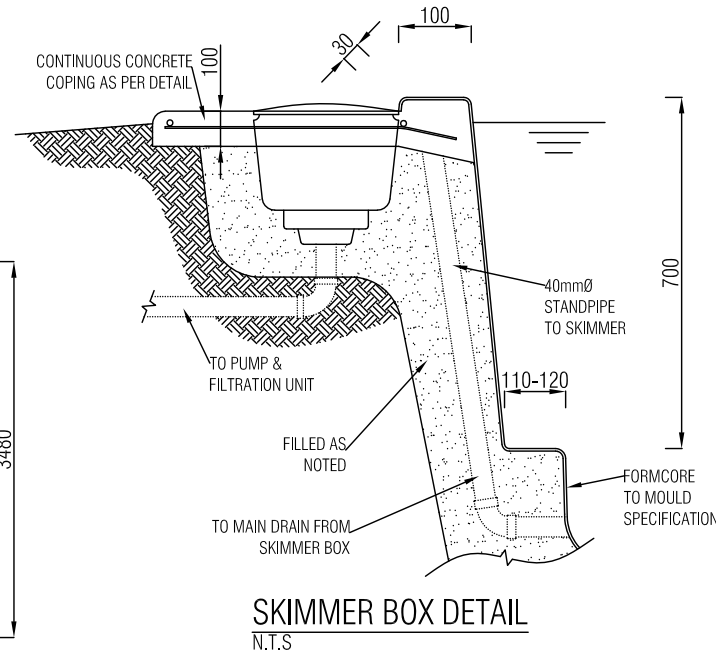
**PLAN**  
N.T.S



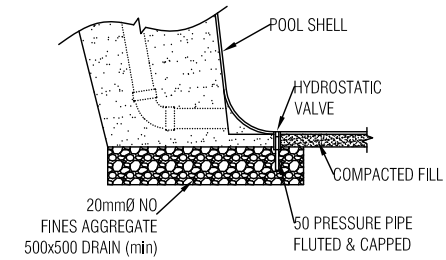
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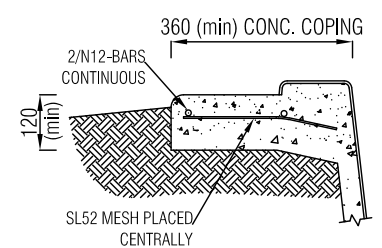
**SECTION**  
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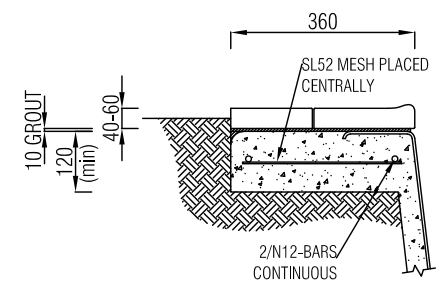
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.

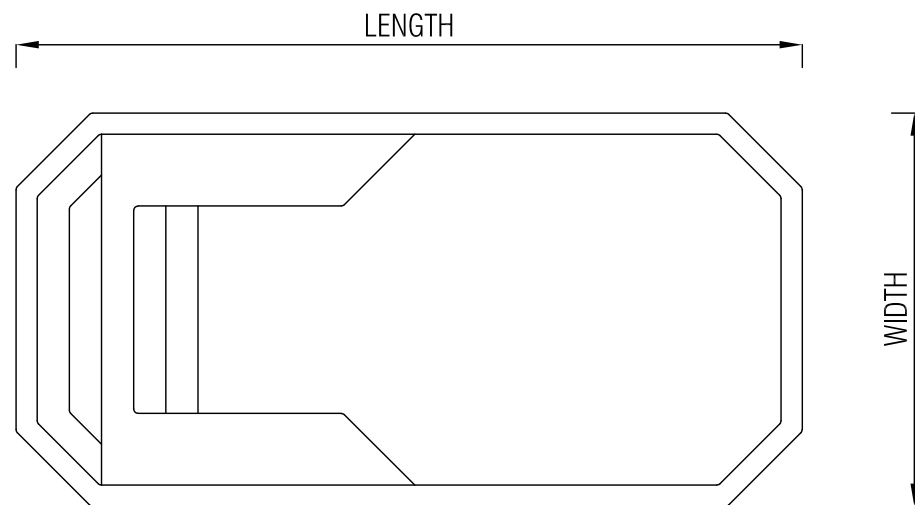


**ALTERNATIVE FOR PAVERS**  
N.T.S

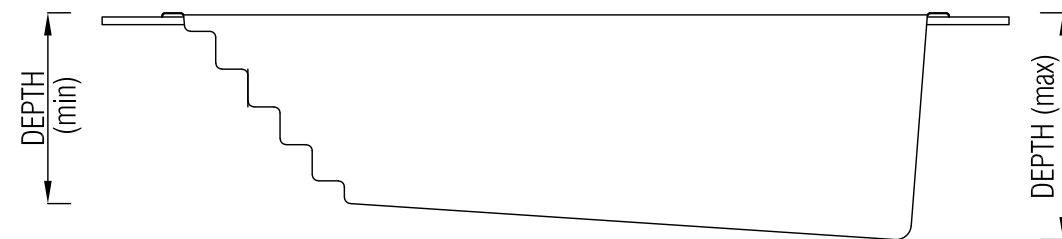
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4. BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
5. THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
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|                      |  |  |  |                    |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |          |  |  |  |
|----------------------|--|--|--|--------------------|--|--|--|--|--|--|--|---|--|--|--|---|--|--|--|--|--|--|--|---|--|--|--|----------|--|--|--|
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| PRELIMINARY DRAWINGS |  |  |  | GAB JUL 2023       |  |  |  |  |  |  |  |   |  |  |  | TITLE<br>12m LAP POOL / TRAINER 12  |  |  |  |  |  |  |  |   |  |  |  |          |  |  |  |
| REV                  |  |  |  | DESCRIPTION        |  |  |  | BY   |  |  |  | DATE  |  |  |  | DRAWING NAME  |  |  |  | TITLE  |  |  |  | DRAWING NUMBER<br>19-19046-S02                        |  |  |  | REV<br>- |  |  |  |



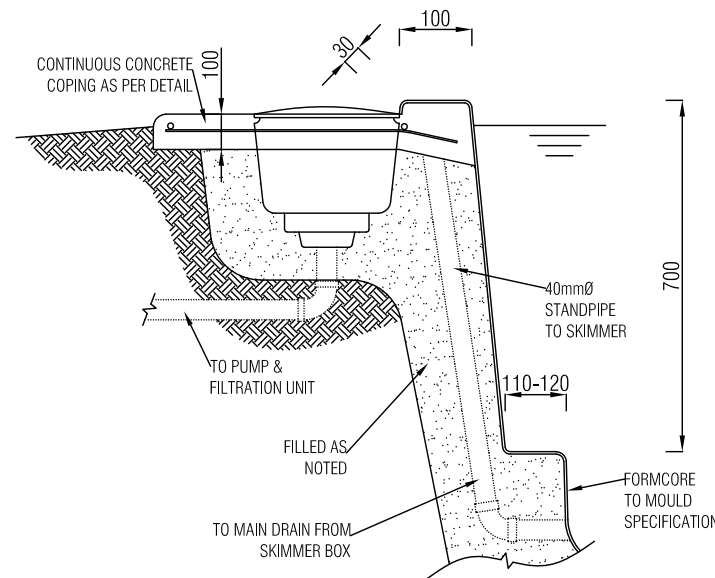
**PLAN**  
N.T.S



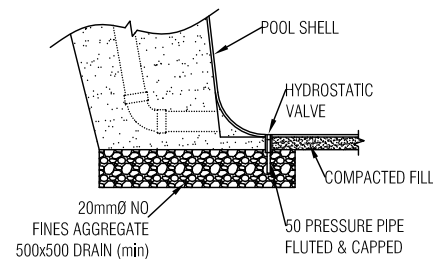
**ELEVATION**  
N.T.S

| ALFRESCO RANGE |       |             |             |
|----------------|-------|-------------|-------------|
| LENGTH         | WIDTH | DEPTH (max) | DEPTH (min) |
| 5200           | 2600  | 1500        | 1180        |
| 5200           | 2300  | 1500        | 1180        |

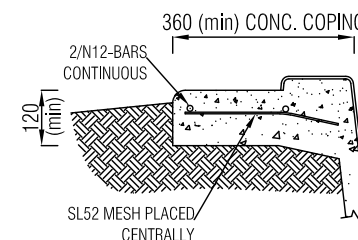
\* All measurements are mm.



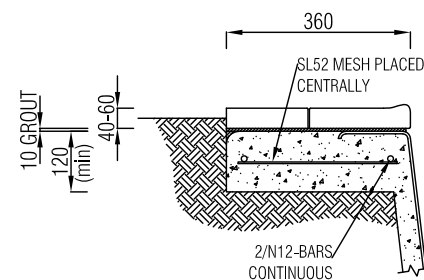
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.

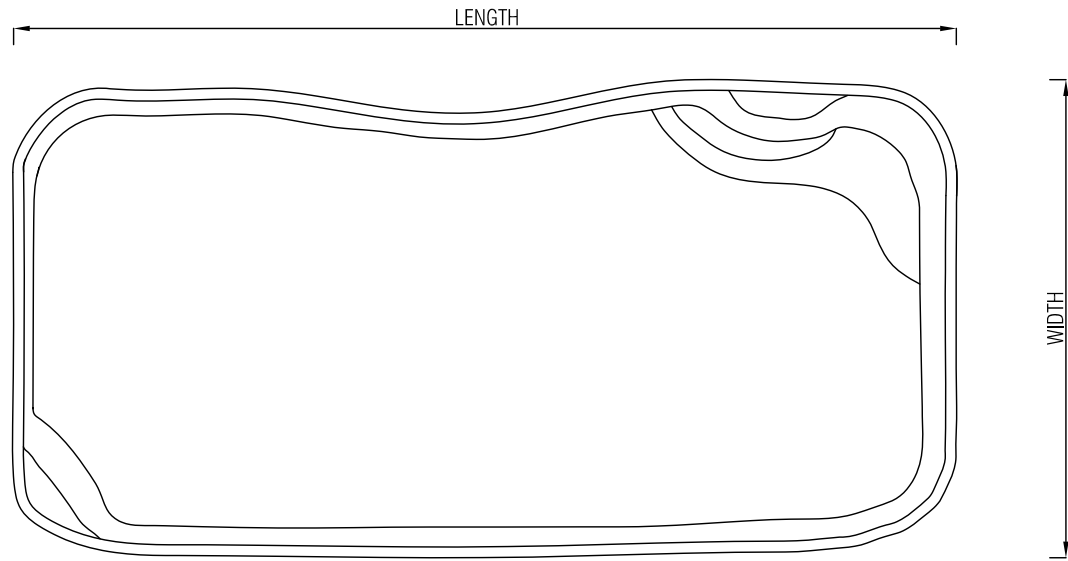


**ALTERNATIVE FOR PAVERS**  
N.T.S

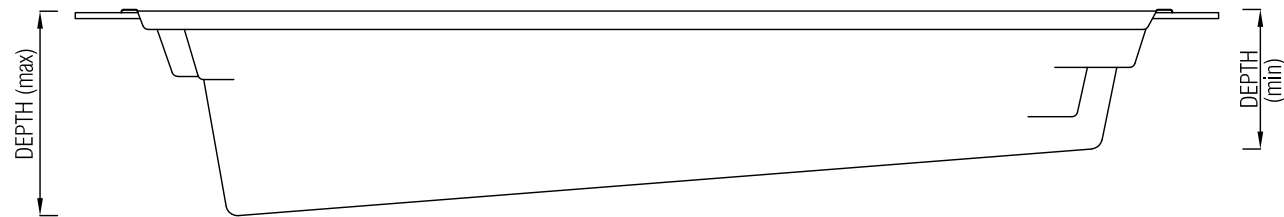
**GENERAL NOTES**

- PROVIDE A 100mm (min) THICK BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL (max) SIZE 12mm.
- WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
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- BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
- THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
- THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
- THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
- ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
- RESIN TO GLASS RATIO 2:1 BY WEIGHT.
- GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
- CONCRETE STRENGTH TO BE N20/20/100.
- FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
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| DRAWING REVISIONS    |  |  |  | REFERENCE DRAWINGS         |  |  |  | COPYRIGHT                         |  |  |  | SIGNED APPROVAL       |  |  |  | Summermore Pty Ltd  |  |  |  | CLIENT                                 |  |  |  | PROJECT                                    |  |  |  |
|----------------------|--|--|--|----------------------------|--|--|--|-----------------------------------|--|--|--|-----------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| PRELIMINARY DRAWINGS |  |  |  | GAB JUL 2023               |  |  |  | DO NOT SCALE FROM THESE DRAWINGS. |  |  |  | APPROVED: 04 JUN 2024 |  |  |  | Consulting Engineers  |  |  |  | Barrier Reef Pools Perth               |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| DESCRIPTION          |  |  |  | BY DATE DRAWING NAME TITLE |  |  |  | RAB JUL 2023                      |  |  |  | DRAWN: GAB JUL 2023   |  |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | TITLE: ALFRESCO RANGE                      |  |  |  |
| REV                  |  |  |  |                            |  |  |  |                                   |  |  |  | SCALE: AS SHOWN       |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860       |  |  |  | DRAWING NUMBER: 19-19046-S03           |  |  |  | REV: -                                     |  |  |  |



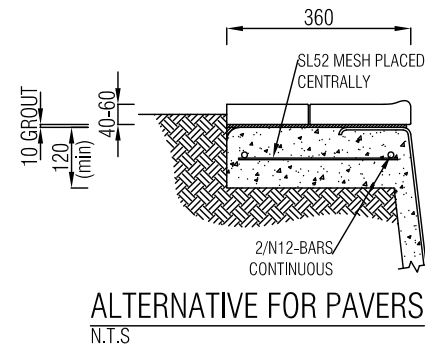
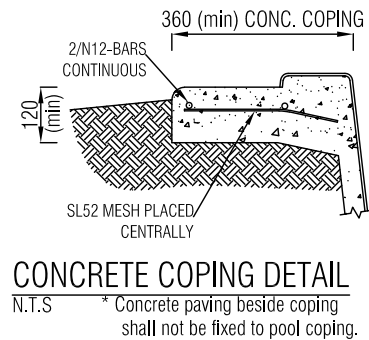
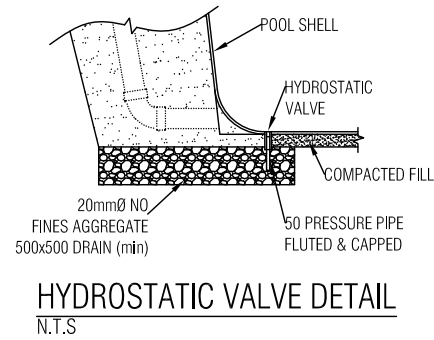
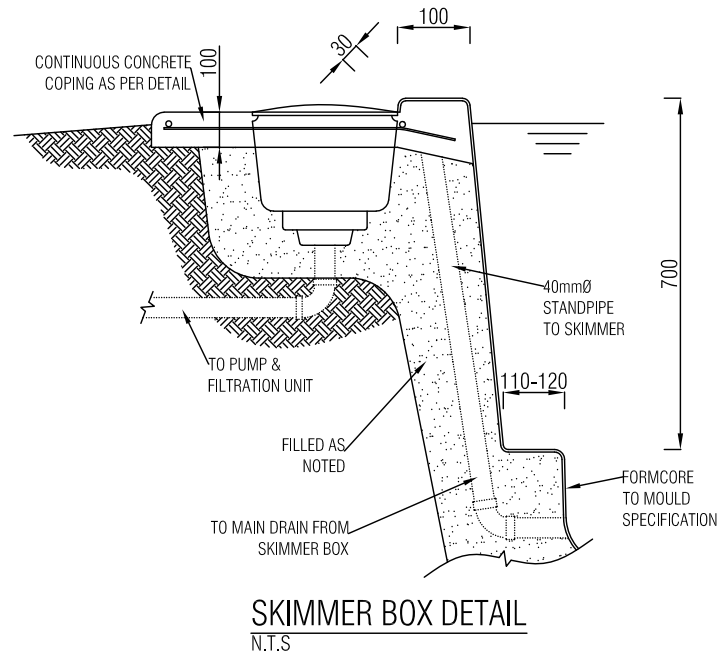
PLAN  
N.T.S



ELEVATION  
N.T.S

| BARRIER REEF RANGE |        |       |             |             |
|--------------------|--------|-------|-------------|-------------|
| POOL               | LENGTH | WIDTH | DEPTH (max) | DEPTH (min) |
| HAYMAN             | 12020  | 4300  | 2000        | 1260        |
| ARLINGTON          | 10300  | 4300  | 1850        | 1260        |
| SUDBURY            | 8850   | 4200  | 1810        | 1260        |
| MICHAELMAS         | 7500   | 4200  | 1670        | 1260        |

\* All measurements are mm.

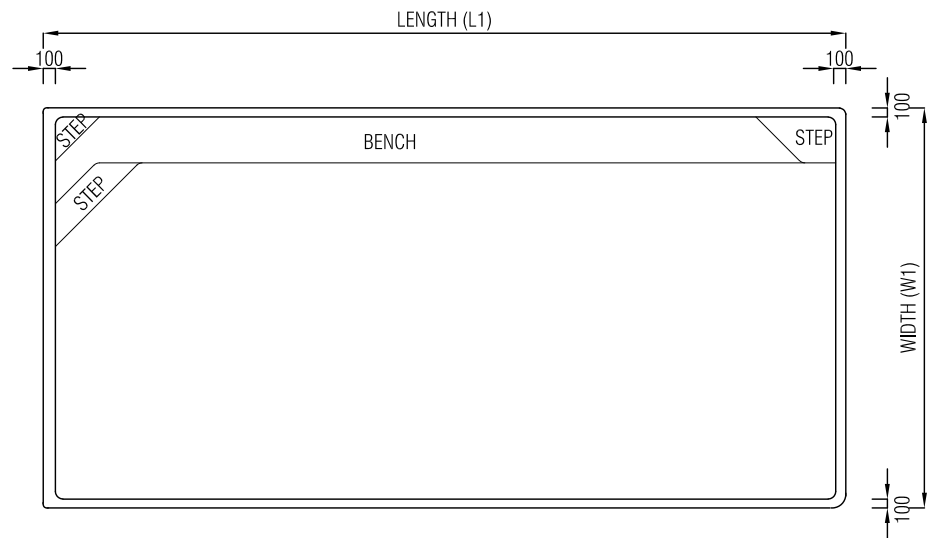


GENERAL NOTES

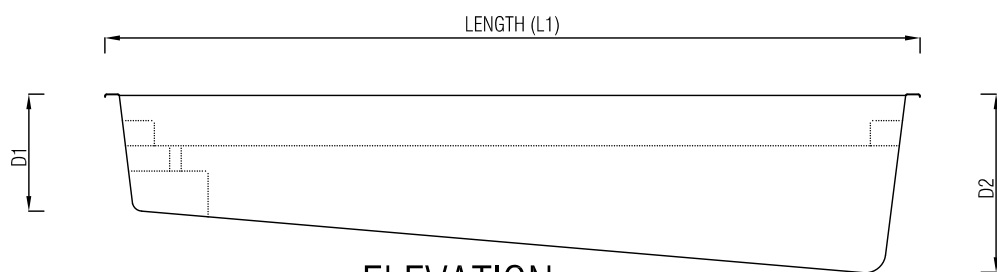
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|-------------------|-------------|----|------|--------------------|-------|----------|-------------|-----------|------|----------|-----|-----------------|-------|-----|----------|--------------------|----------|------------------|---------------------|-----------------------|-----------------------|-------------|-----------------------------|---------------------|-------------------|--------------------------|-----------------|--------------|-----------|--|--------------------|----------------|--------------|-----|---|
| REV               | DESCRIPTION | BY | DATE | DRAWING NAME       | TITLE | APPROVED | 04 JUN 2024 | RPEQ      | 6715 | DESIGNED | RAB | JUL 2023        | DRAWN | GAB | JUL 2023 | SCALE              | AS SHOWN | ACN: 108 898 433 | ABN: 42 108 898 433 | ron@summermore.com.au | www.summermore.com.au | PO Box 1671 | Browns Plains BC, QLD, 4118 | Phone: 07 3800 0973 | Fax: 07 3800 1860 | Barrier Reef Pools Perth | 28 Davinci Way, | Forrestdale, | WA, 6112. | Generic Fibreglass Pool Structural Details | BARRIER REEF RANGE | DRAWING NUMBER | 19-19046-S04 | REV | - |

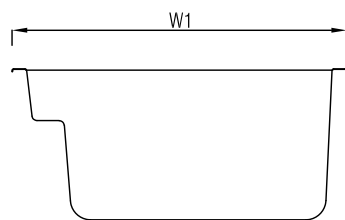




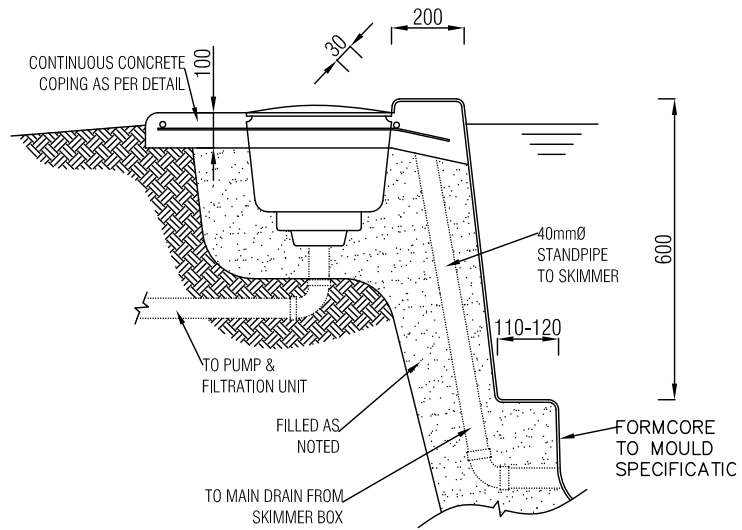
**PLAN**  
N.T.S



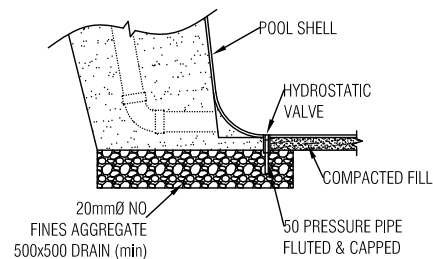
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N.T.S



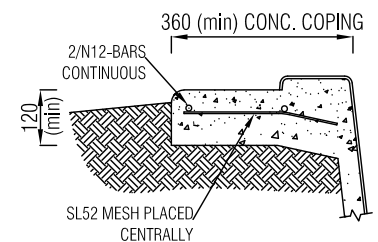
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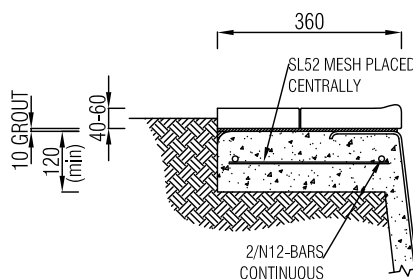
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S  
\* Concrete paving beside coping shall not be fixed to pool coping.



**ALTERNATIVE FOR PAVERS**  
N.T.S

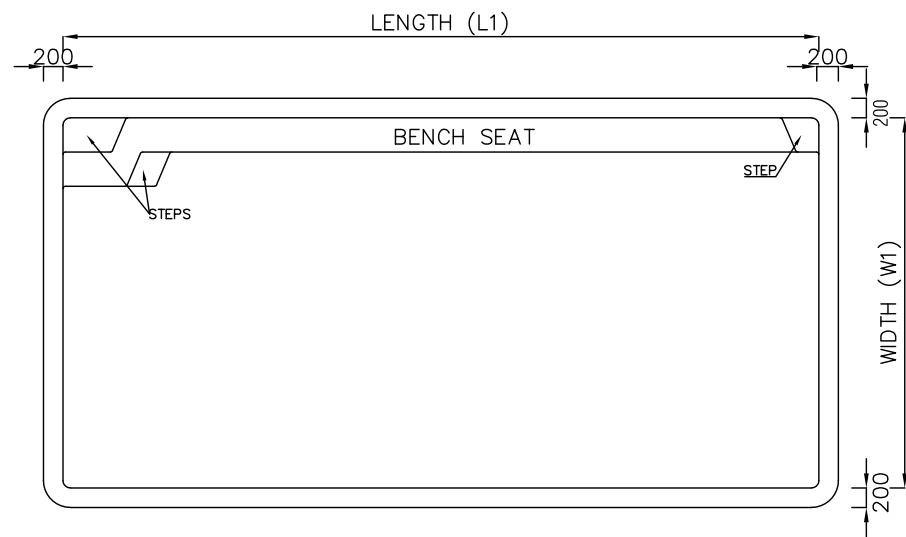
**GENERAL NOTES**

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7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
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9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
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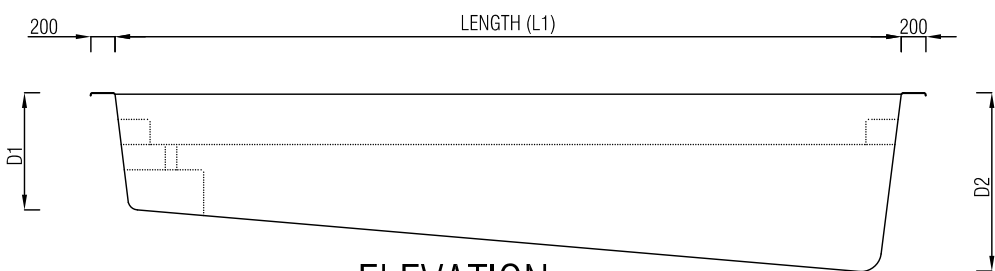
| BRAMPTON RANGE |             |            |                |                |
|----------------|-------------|------------|----------------|----------------|
| POOL           | LENGTH (L1) | WIDTH (W1) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| 12.2 Brampton  | 12200       | 4400       | 910            | 2015           |
| 11.2 Brampton  | 11200       | 4400       | 1015           | 2015           |
| 10.2 Brampton  | 10200       | 4400       | 1110           | 2015           |
| 9.2 Brampton   | 9200        | 4400       | 1210           | 2015           |
| 8.2 Brampton   | 8200        | 4400       | 1310           | 2015           |
| 7.2 Brampton   | 7200        | 4400       | 1310           | 1930           |
| 6.2 Brampton   | 6200        | 4400       | 1310           | 1835           |
| 5.2 Brampton   | 5200        | 4400       | 1310           | 1735           |

\* All measurements are mm.

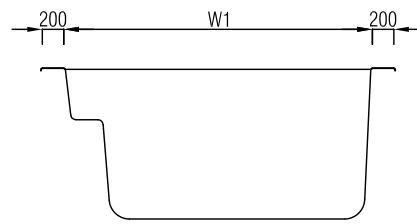
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|----------------------------------|--|--|--|--------------------|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| -                                |  |  |  | -                  |  |  |  | THESE DESIGNS, PLANS AND INFORMATION ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART OR TO BE USED ON ANY PROJECT WITHOUT THE WRITTEN PERMISSION OF SUMMERMORE PTY LTD |  |  |  | APPROVED: [Signature] 04 JUN 2024   |  |  |  | Consulting Engineers  |  |  |  | Barrier Reef Pools Perth               |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| PRELIMINARY FOR CLIENTS APPROVAL |  |  |  | -                  |  |  |  | DO NOT SCALE FROM THESE DRAWINGS.   |  |  |  | RAB JUN 2024  |  |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | BRAMPTON RANGE                             |  |  |  |
| RAB JUL 2023                     |  |  |  | -                  |  |  |  | RAB JUN 2024  |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |  |  | -   |  |  |  | DRAWING NUMBER: 19-19046-S05           |  |  |  |  |  |  |  |
| RAB JUL 2023                     |  |  |  | -                  |  |  |  | RAB JUN 2024  |  |  |  | AS SHOWN  |  |  |  | -   |  |  |  | REV: -                                 |  |  |  |  |  |  |  |
| BY DATE DRAWING NAME TITLE       |  |  |  | -                  |  |  |  | ORIGINAL DRAWING SIZE at A3   |  |  |  | -   |  |  |  | -   |  |  |  | -                                      |  |  |  |  |  |  |  |



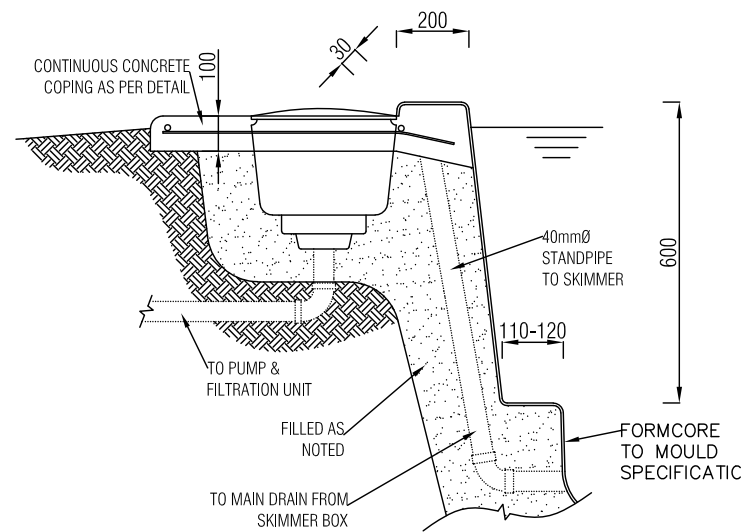
**PLAN**  
N.T.S



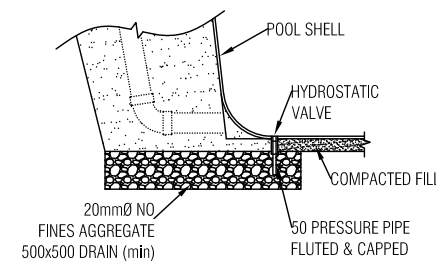
**ELEVATION**  
N.T.S



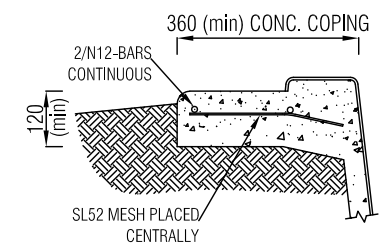
**SECTION**  
N.T.S



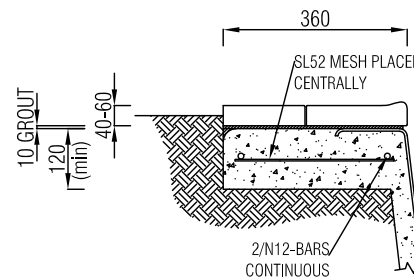
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.



**ALTERNATIVE FOR PAVERS**  
N.T.S

**GENERAL NOTES**

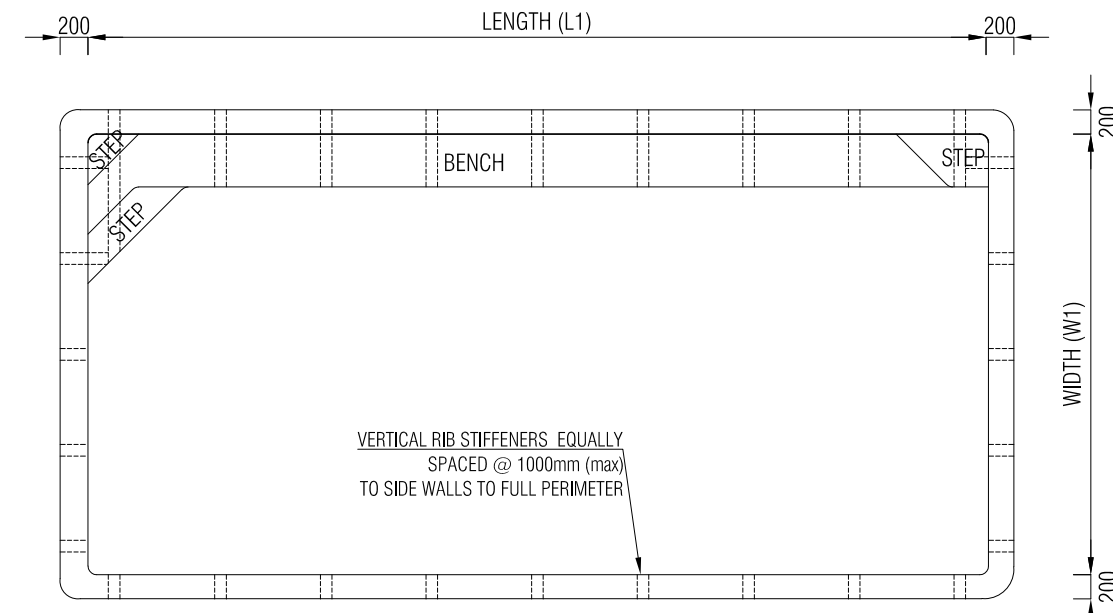
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7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
8. ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
10. GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
11. CONCRETE STRENGTH TO BE N20/20/100.
12. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
13. NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.
15. THIS POOL IS NOT INTENDED FOR USE ON ABOVE GROUND INSTALLATIONS OR DESIGNED TO BE EMPTIED WITHOUT THE APPROVAL OF BARRIER REEF POOLS P/L.
16. ALL POOLS TO HAVE 1/N12 INSIDE & OUTSIDE OF COPING ON THE LONGEST SIDE & 1/N12 EACH END.
17. ALL LAPPING OF BARS TO BE 600mm (min) & TIED.
18. POOLS OVER 8400mm LONG ARE TO HAVE 2/N12 BARS ON OUTSIDE OF COPING 50mm APART.
19. THIS POOL IS SUITABLE FOR SOIL CLASSIFICATIONS OF 'A', 'S', 'M' & 'H1' SITES.
20. FOR SOIL CLASSIFICATIONS OF 'H2' & 'E' SITES REFER TO CERTIFICATION LETTER FOR REQUIRED ADJUSTMENTS.
21. ALL SOIL CLASSIFICATIONS OF 'P' SITES SHALL BE REFERRED TO AN ENGINEER.

**BRAMPTON SL RANGE**

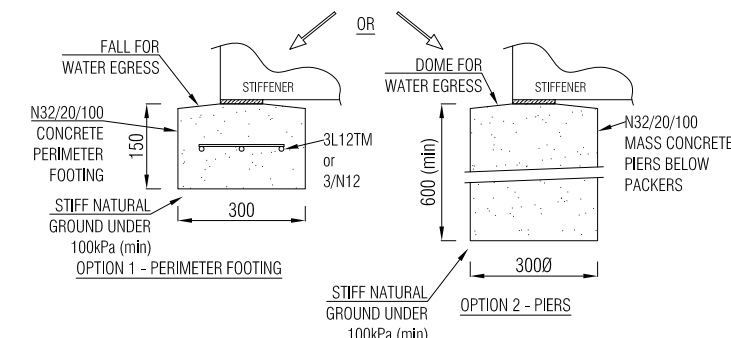
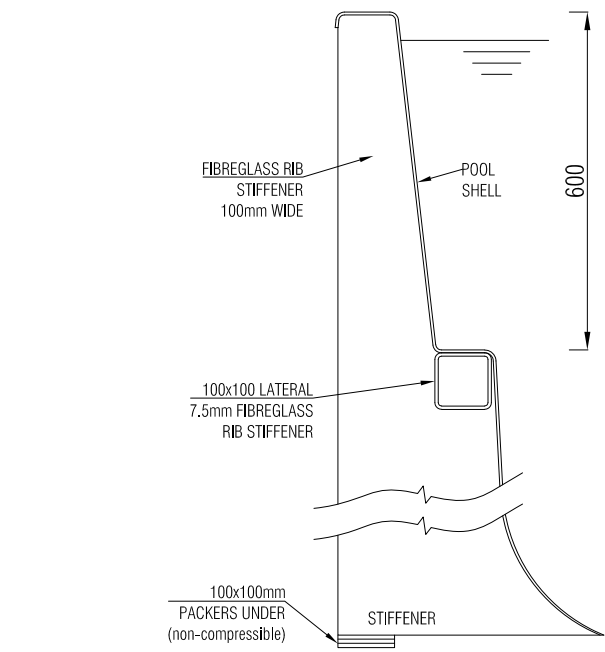
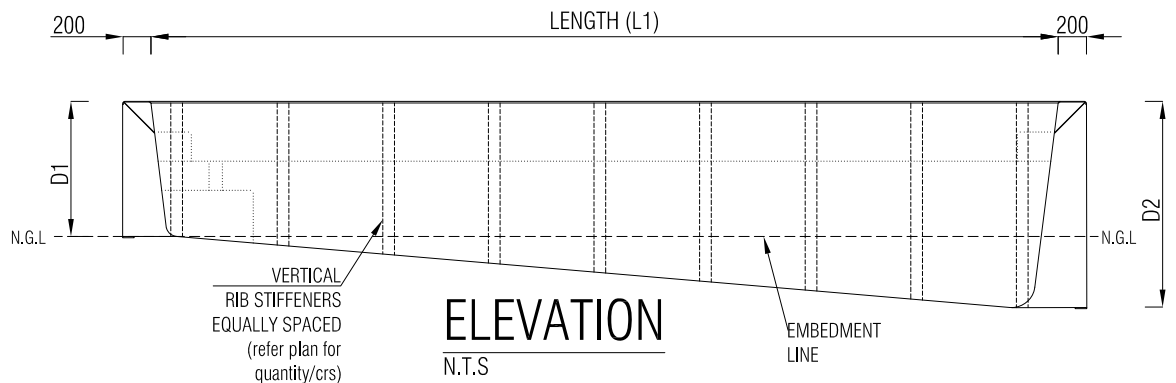
| POOL           | LENGTH (L1) | WIDTH (W1) | MIN DEPTH (D1) | MAX DEPTH (D2) |
|----------------|-------------|------------|----------------|----------------|
| 8m Brampton SL | 8000        | 3000       | 1150           | 1930           |
| 7m Brampton SL | 7000        | 3000       | 1150           | 1830           |
| 6m Brampton SL | 6000        | 3000       | 1150           | 1730           |
| 5m Brampton SL | 5000        | 3000       | 1150           | 1630           |
| 4m Brampton SL | 4000        | 3000       | 1150           | 1530           |

\* All measurements are mm.

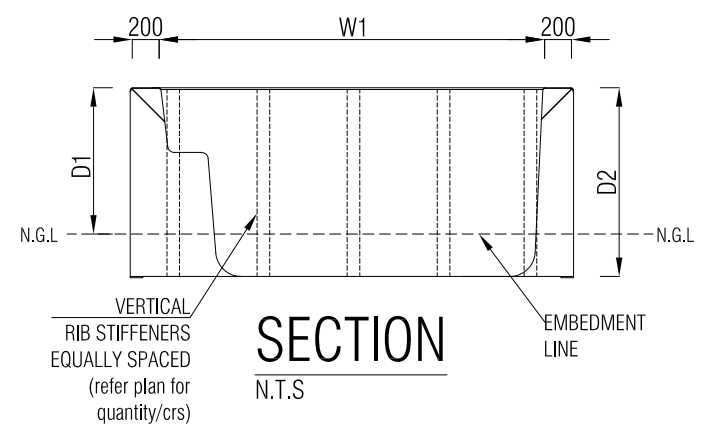
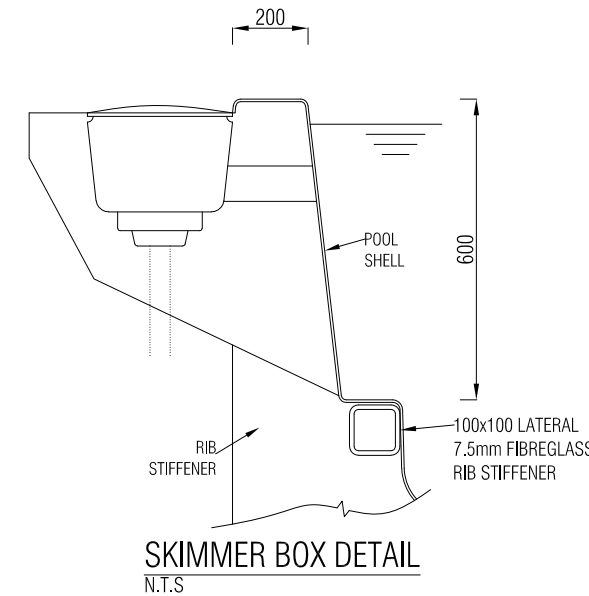
| DRAWING REVISIONS |                                  |     |         | REFERENCE DRAWINGS |       |                                   |  | COPYRIGHT   |  |   |  | SIGNED APPROVAL   |  |   |  | Summermore Pty Ltd   |  |   |  | CLIENT   |  |  |  | PROJECT  |  |  |  |
|-------------------|----------------------------------|-----|---------|--------------------|-------|-----------------------------------|--|---|--|---|--|---|--|---|--|--|--|---|--|--|--|--|--|--|--|--|--|
| -                 |                                  |     |         | -                  |       |                                   |  | THESE DESIGNS, PLANS AND INFORMATION ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART OR TO BE USED ON ANY PROJECT WITHOUT THE WRITTEN PERMISSION OF SUMMERMORE PTY LTD |  |   |  | APPROVED: [Signature] 04 JUN 2024<br>RPEQ: 6715<br>REVIEWED: [Signature]<br>DESIGNED: RAB JUN 2024<br>DRAWN: RAB JUN 2024<br>SCALE: AS SHOWN<br>ORIGINAL DRAWING SIZE at A3 |  |   |  | <b>Summermore Pty Ltd</b><br>Consulting Engineers<br>ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au<br>PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |   |  | Barrier Reef Pools Perth<br>28 Davinci Way,<br>Forrestdale,<br>WA, 6112. |  |  |  | <b>Generic Fibreglass Pool Structural Details</b><br>TITLE: BRAMPTON SL RANGE<br>DRAWING NUMBER: 19-19046-S05A<br>REV: - |  |  |  |
| REV               | DESCRIPTION                      | BY  | DATE    | DRAWING NAME       | TITLE | DO NOT SCALE FROM THESE DRAWINGS. |  |   |  | - |  |   |  | - |  |  |  | - |  |  |  |  |  |  |  |  |  |
| -                 | PRELIMINARY FOR CLIENTS APPROVAL | RAB | JUN2019 |                    |       |                                   |  |   |  |   |  |   |  |   |  |  |  |   |  |  |  |  |  |  |  |  |  |



**PLAN**  
N.T.S



**RIB STIFFENER ELEVATION**  
N.T.S



**GENERAL NOTES**

1. PROVIDE A 100mm (min) THICK BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL (max) SIZE 12mm.
2. WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
3. THE GRANULAR BASE SHALL BE SCREED & COMPACTED TO PROVIDE UNIFORM SUPPORT FOR THE SHELL. PLACE GRAVEL, PLUG, LEVEL THE POOL, HANDLING WITH A CENTRE SPREADER.
4. BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
5. THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 4.2mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
6. THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
8. ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
10. GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
11. CONCRETE STRENGTH TO BE N32/20/100.
12. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
13. NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.

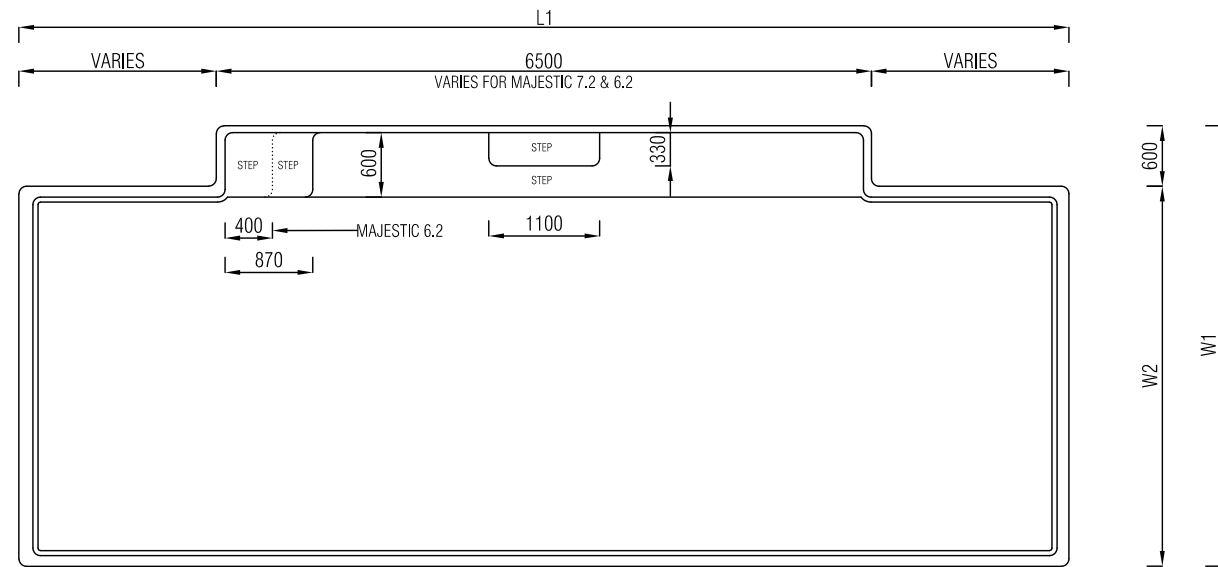
| BRAMPTON RANGE |             |            |                |                |
|----------------|-------------|------------|----------------|----------------|
| POOL           | LENGTH (L1) | WIDTH (W1) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| 12.2 Brampton  | 12200       | 4400       | 910            | 2015           |
| 11.2 Brampton  | 11200       | 4400       | 1015           | 2015           |
| 10.2 Brampton  | 10200       | 4400       | 1110           | 2015           |
| 9.2 Brampton   | 9200        | 4400       | 1210           | 2015           |
| 8.2 Brampton   | 8200        | 4400       | 1310           | 2015           |
| 7.2 Brampton   | 7200        | 4400       | 1310           | 1930           |
| 6.2 Brampton   | 6200        | 4400       | 1310           | 1835           |
| 5.2 Brampton   | 5200        | 4400       | 1310           | 1735           |

\* All measurements are mm.

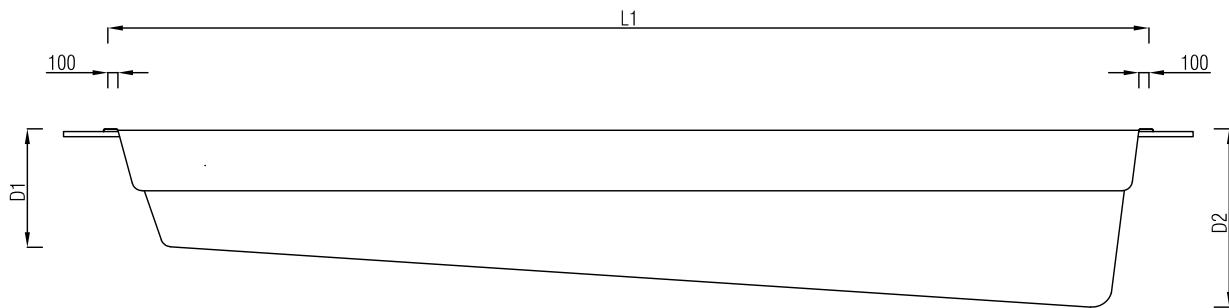
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|------------------------------------|-------------|--------------------|------|---|-------|-----------------------------|--|---|--|--|--|--|---|
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|                                    |             |                    |      | DO NOT SCALE FROM THESE DRAWINGS.   |       | RPEQ 6715                   |  | ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au |  | 28 Davinci Way, Forrestdale, WA, 6112. |  | TITLE                                      |   |
|                                    |             |                    |      |   |       | DESIGNED RAB JUN2024        |  | PO Box 1671 Browns Plains BC, QLD, 4118   |  |  |  | BRAMPTON RANGE (Above Ground)              |   |
|                                    |             |                    |      |   |       | DRAWN RAB JUN2024           |  | Phone: 07 3800 0973 Fax: 07 3800 1860   |  |  |  | DRAWING NUMBER                             |   |
| - PRELIMINARY FOR CLIENTS APPROVAL |             | RAB JUN 2024       |      |   |       | SCALE AS SHOWN              |  |   |  |  |  | 19-19046-S05B                              |   |
| REV                                | DESCRIPTION | BY                 | DATE | DRAWING NAME  | TITLE | ORIGINAL DRAWING SIZE at A3 |  |   |  |  |  | REV  | - |

| MAJESTIC RANGE |             |            |            |                |                |
|----------------|-------------|------------|------------|----------------|----------------|
| POOL           | LENGTH (L1) | WIDTH (W1) | WIDTH (W2) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| MAJESTIC 10.5  | 10500       | 4400       | 3800       | 1200           | 1900           |
| MAJESTIC 9.5   | 9500        | 4400       | 3800       | 1170           | 1860           |
| MAJESTIC 8.5   | 8500        | 4400       | 3800       | 1200           | 1850           |
| MAJESTIC 7.5   | 7500        | 4400       | 3800       | 1200           | 1800           |
| MAJESTIC 7.5   | 7500        | 3900       | 3300       | 1200           | 1800           |
| MAJESTIC 6.5   | 6500        | 3900       | 3300       | 1300           | 1800           |

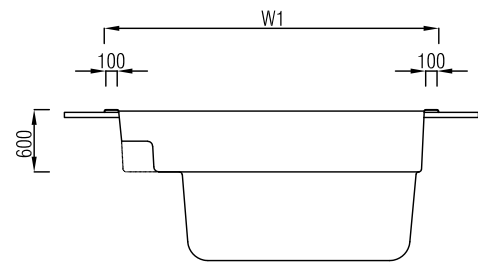
\* All measurements are mm.



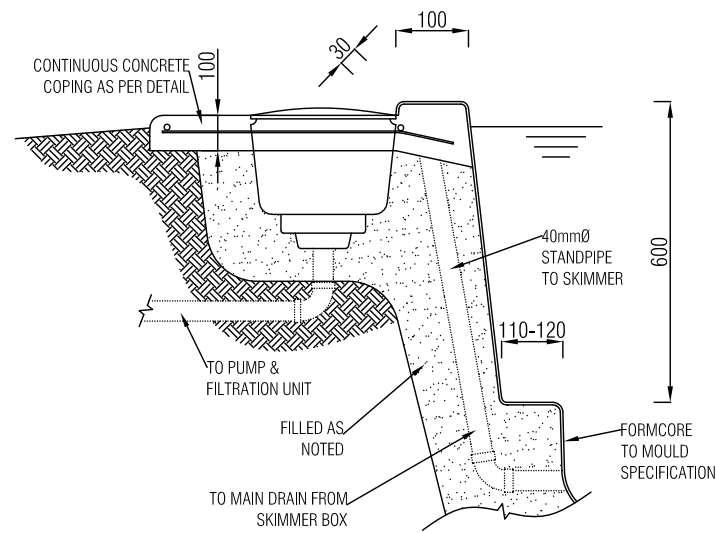
PLAN  
N.T.S



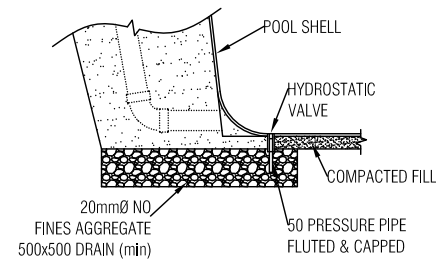
ELEVATION  
N.T.S



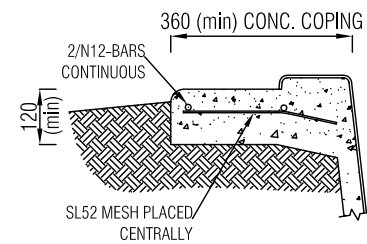
SECTION  
N.T.S



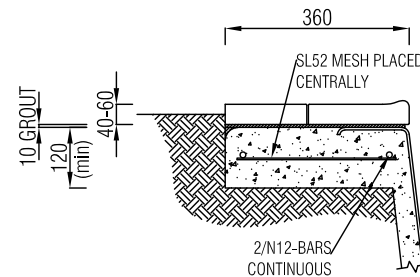
SKIMMER BOX DETAIL  
N.T.S



HYDROSTATIC VALVE DETAIL  
N.T.S



CONCRETE COPING DETAIL  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.



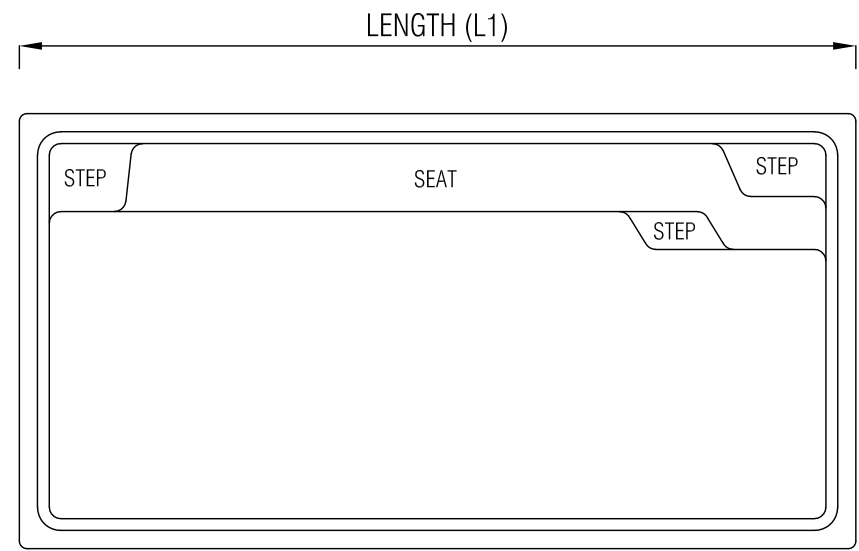
ALTERNATIVE FOR PAVERS  
N.T.S

GENERAL NOTES

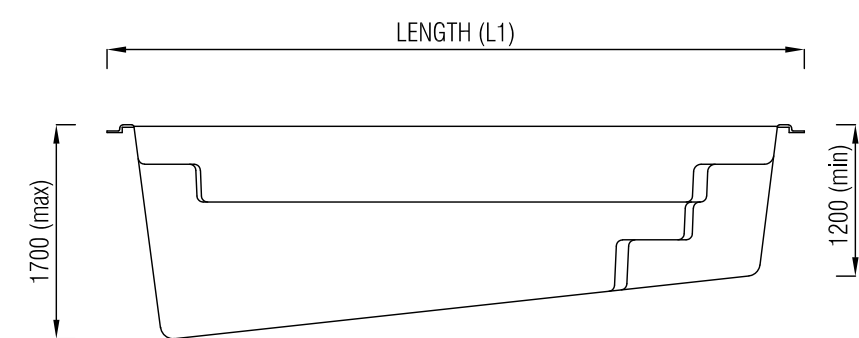
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|-------------------|----------------------------------|-----|----------|--------------------|-------|--|--|---|--|--|--|-----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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|                   |                                  |     |          |                    |       |  |  | DO NOT SCALE FROM THESE DRAWINGS.   |  |  |  | RPEQ: 6715                        |  |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433        |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | TITLE: MAJESTIC RANGE                      |  |  |  |
|                   |                                  |     |          |                    |       |  |  |   |  |  |  | DESIGNED: RAB JUN2024             |  |  |  | ron@summermore.com.au<br>www.summermore.com.au |  |  |  |  |  |  |  | DRAWING NUMBER: 19-19046-S06               |  |  |  |
|                   |                                  |     |          |                    |       |  |  |   |  |  |  | DRAWN: RAB JUN2024                |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118        |  |  |  |  |  |  |  | REV: -                                     |  |  |  |
|                   |                                  |     |          |                    |       |  |  |   |  |  |  | SCALE: AS SHOWN                   |  |  |  | Phone: 07 3800 0973 Fax: 07 3800 1860          |  |  |  |  |  |  |  |  |  |  |  |
|                   |                                  |     |          |                    |       |  |  |   |  |  |  | ORIGINAL DRAWING SIZE at A3       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| REV               | DESCRIPTION                      | BY  | DATE     | DRAWING NAME       | TITLE |  |  |   |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -                 | PRELIMINARY FOR CLIENTS APPROVAL | RAB | JUL 2023 |                    |       |  |  |   |  |  |  |                                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |





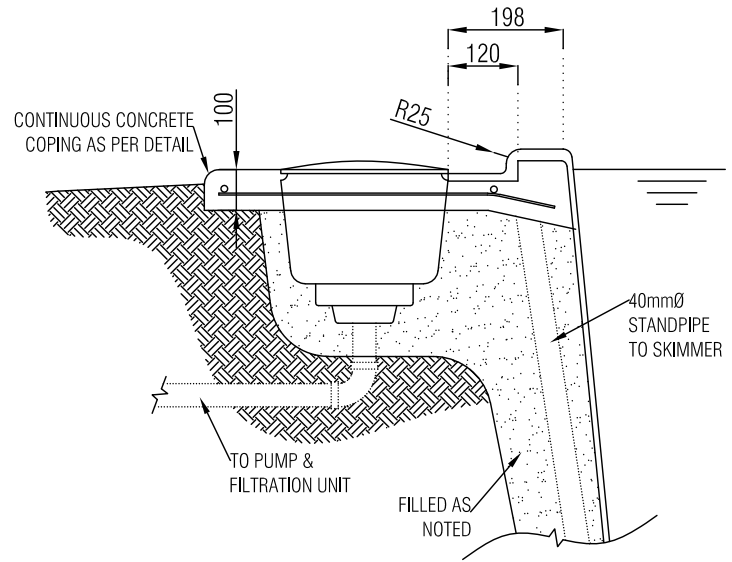
**PLAN**  
N.T.S



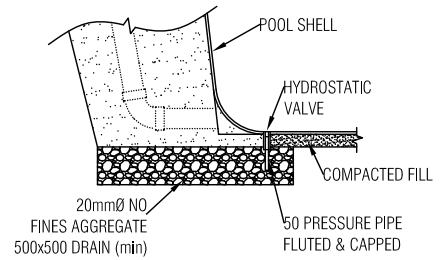
**ELEVATION**  
N.T.S

| CAPRICE RANGE |             |            |             |             |
|---------------|-------------|------------|-------------|-------------|
| POOL TYPE     | LENGTH (L1) | WIDTH (W1) | DEPTH (max) | DEPTH (min) |
| CAPRICE 4.2   | 4200        | 2800       | 1700        | 1200        |
| CAPRICE 5.2   | 5200        | 2800       | 1700        | 1200        |

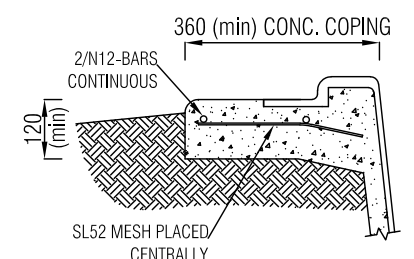
\* All measurements are mm.



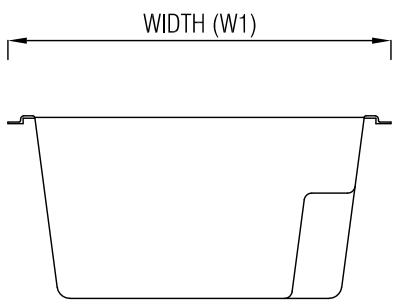
**SKIMMER BOX DETAIL**  
N.T.S



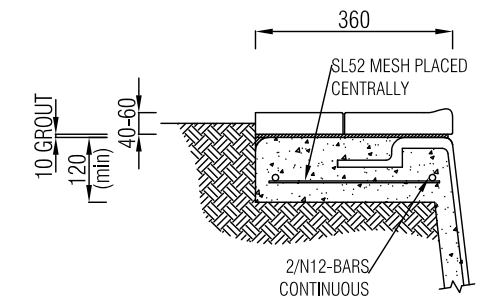
**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.



**SECTION**  
N.T.S

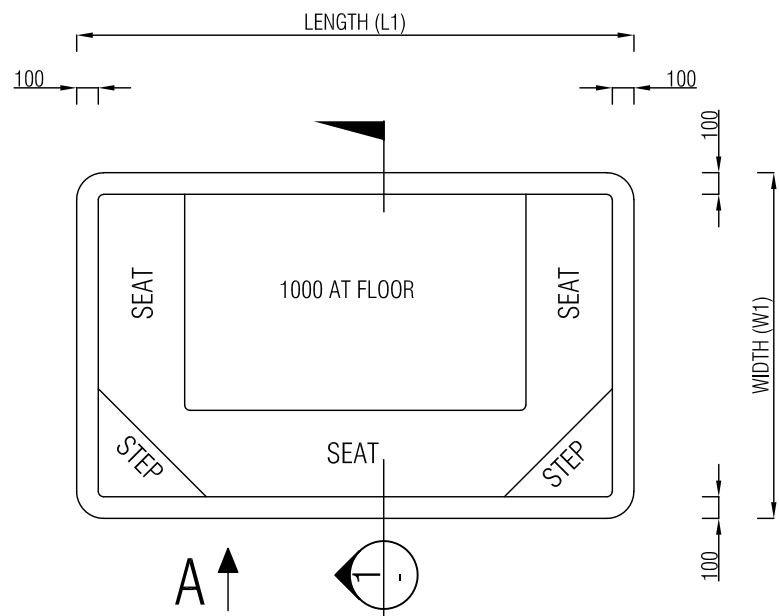


**ALTERNATIVE FOR PAVERS**  
N.T.S

**GENERAL NOTES**

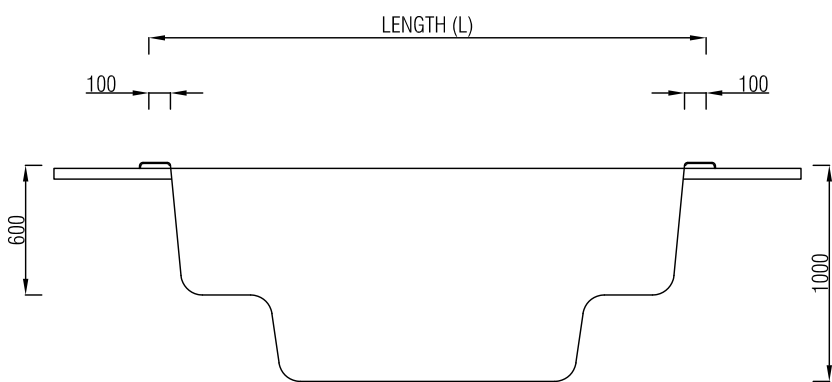
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|----------------------|-------------|----|------|--------------------|-------|--|--|---|--|--|--|-----------------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| -                    |             |    |      | -                  |       |  |  | THESE DESIGNS, PLANS AND INFORMATION ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART OR TO BE USED ON ANY PROJECT WITHOUT THE WRITTEN PERMISSION OF SUMMERMORE PTY LTD |  |  |  | APPROVED: [Signature] 04 JUN 2024 |  |  |  | Consulting Engineers  |  |  |  | Barrier Reef Pools Perth               |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| PRELIMINARY DRAWINGS |             |    |      | -                  |       |  |  | DO NOT SCALE FROM THESE DRAWINGS.   |  |  |  | RPEQ: 6715                        |  |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | TITLE: CAPRICE RANGE                       |  |  |  |
| -                    |             |    |      | -                  |       |  |  | -   |  |  |  | DESIGNED: RAB JUL 2023            |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118   |  |  |  | DRAWING NUMBER: 19-19046-S07           |  |  |  | REV: -                                     |  |  |  |
| -                    |             |    |      | -                  |       |  |  | -   |  |  |  | DRAWN: GAB JUL 2023               |  |  |  | Phone: 07 3800 0973   |  |  |  | -                                      |  |  |  | -  |  |  |  |
| -                    |             |    |      | -                  |       |  |  | -   |  |  |  | SCALE: AS SHOWN                   |  |  |  | Fax: 07 3800 1860   |  |  |  | -                                      |  |  |  | -  |  |  |  |
| -                    |             |    |      | -                  |       |  |  | -   |  |  |  | ORIGINAL DRAWING SIZE at A3       |  |  |  | -   |  |  |  | -                                      |  |  |  | -  |  |  |  |
| REV                  | DESCRIPTION | BY | DATE | DRAWING NAME       | TITLE |  |  |   |  |  |  |                                   |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |



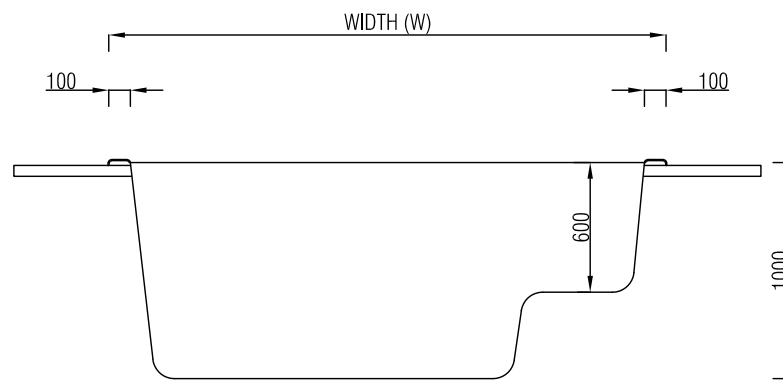
### HAMILTON SPA PLAN

N.T.S



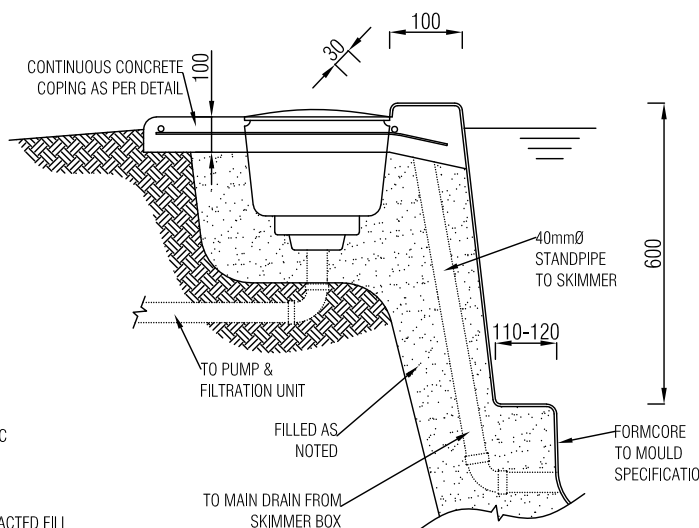
### ELEVATION-A

N.T.S



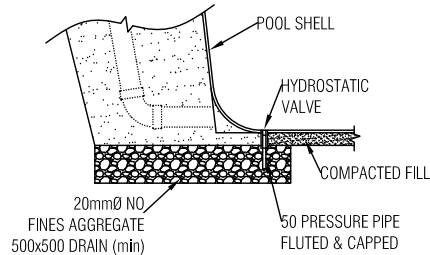
### SECTION 1

N.T.S



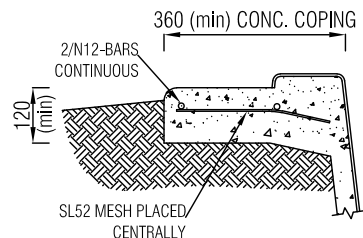
### SKIMMER BOX DETAIL

N.T.S



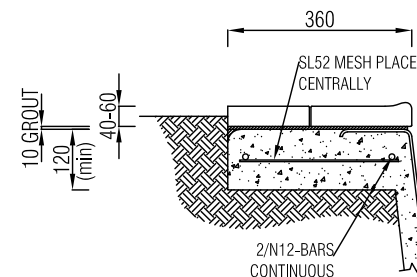
### HYDROSTATIC VALVE DETAIL

N.T.S



### CONCRETE COPING DETAIL

N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.



### ALTERNATIVE FOR PAVERS

N.T.S

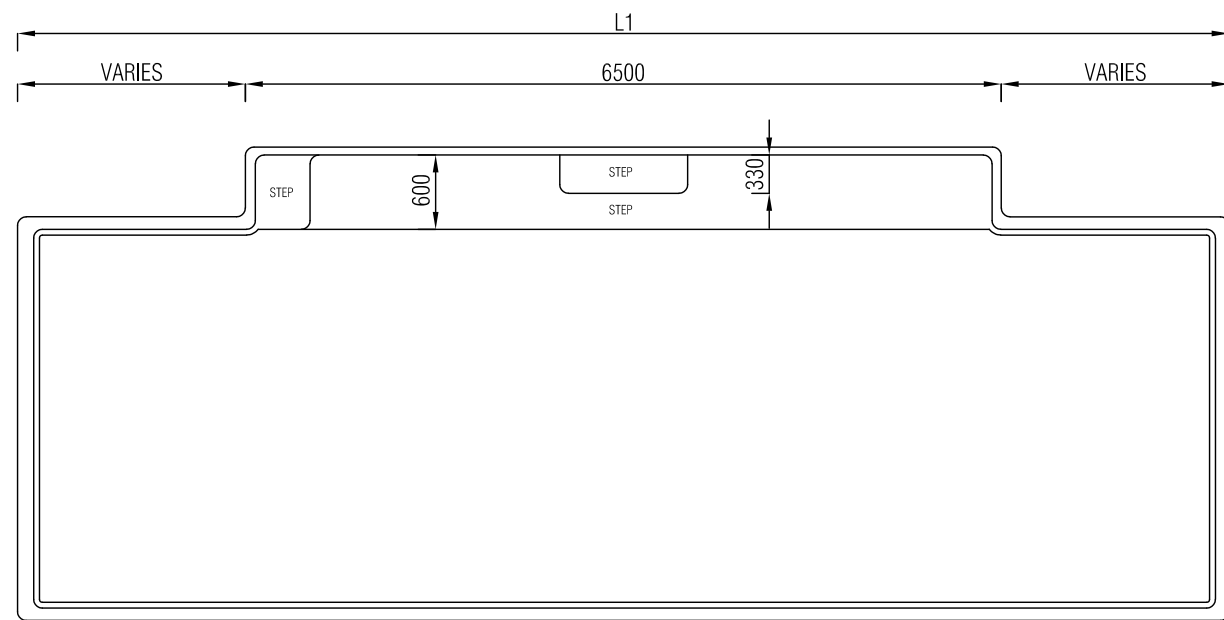
### GENERAL NOTES

1. PROVIDE A 100mm (min) THICK BEDDING LAYER OF NON-COHEISVE PERMEABLE MATERIAL (max) SIZE 12mm.
2. WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
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4. BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
5. THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
6. THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
8. ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
10. GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
11. CONCRETE STRENGTH TO BE N20/20/100.
12. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
13. NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.
15. THIS POOL IS NOT INTENDED FOR USE ON ABOVE GROUND INSTALLATIONS OR DESIGNED TO BE EMPTIED WITHOUT THE APPROVAL OF BARRIER REEF POOLS P/L.
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21. ALL SOIL CLASSIFICATIONS OF 'P' SITES SHALL BE REFERRED TO AN ENGINEER.

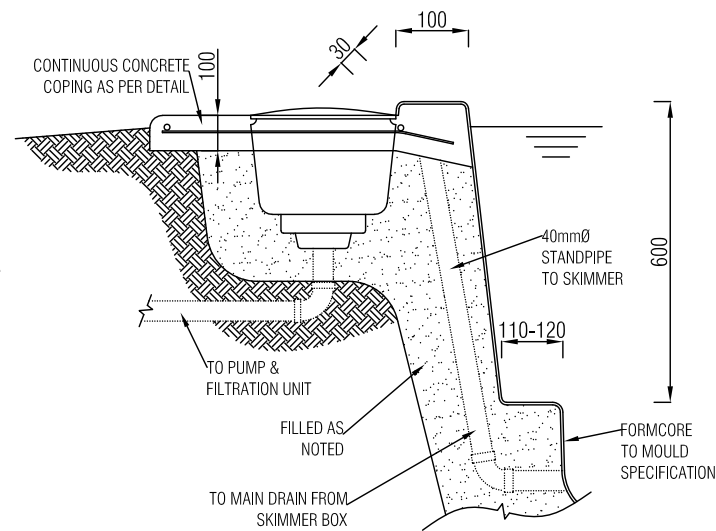
| HAMILTON SPA RANGE |             |            |            |
|--------------------|-------------|------------|------------|
| SPA                | LENGTH (L1) | WIDTH (W1) | DEPTH (D1) |
| 3.8m SPA           | 3800        | 1600       | 1000       |
| 2.8m SPA           | 2800        | 1600       | 1000       |

\* All measurements are mm.

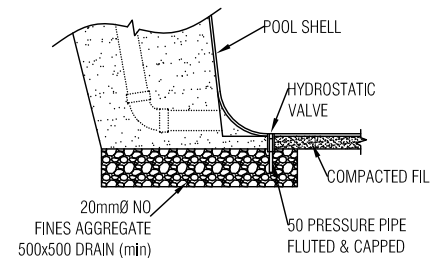
| DRAWING REVISIONS    |  |  |  | REFERENCE DRAWINGS         |  |  |  | COPYRIGHT                         |  |  |  | SIGNED APPROVAL             |  |  |  | Summermore Pty Ltd                      |  |  |  | CLIENT                                 |  |  |  | PROJECT                                    |  |  |  |
|----------------------|--|--|--|----------------------------|--|--|--|-----------------------------------|--|--|--|-----------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| PRELIMINARY DRAWINGS |  |  |  | GAB JUL 2023               |  |  |  | DO NOT SCALE FROM THESE DRAWINGS. |  |  |  | APPROVED 04 JUN 2024        |  |  |  | Consulting Engineers                    |  |  |  | Barrier Reef Pools Perth               |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| DESCRIPTION          |  |  |  | BY DATE DRAWING NAME TITLE |  |  |  | RAB JUL 2023                      |  |  |  | RAB JUL 2023                |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118 |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | HAMILTON SPA RANGE                         |  |  |  |
| REV                  |  |  |  | DESCRIPTION                |  |  |  | SCALE AS SHOWN                    |  |  |  | ORIGINAL DRAWING SIZE at A3 |  |  |  | Phone: 07 3800 0973 Fax: 07 3800 1860   |  |  |  | DRAWING NUMBER                         |  |  |  | REV  |  |  |  |
|                      |  |  |  |                            |  |  |  |                                   |  |  |  |                             |  |  |  |   |  |  |  | 19-19046-S08                           |  |  |  | -  |  |  |  |



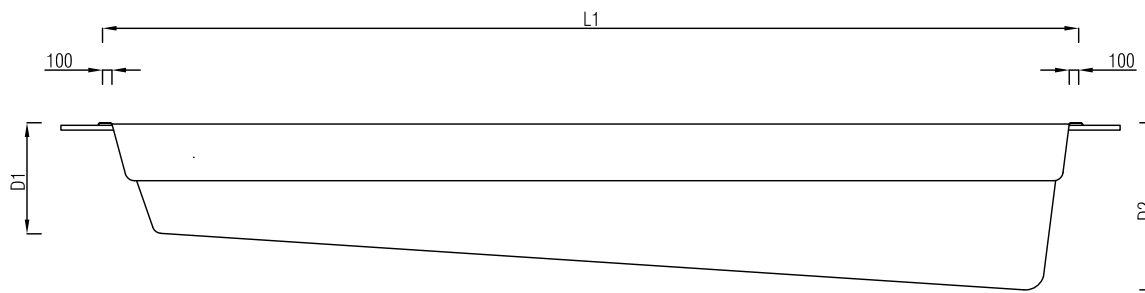
**PLAN**  
N.T.S



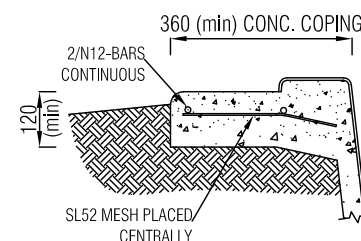
**SKIMMER BOX DETAIL**  
N.T.S



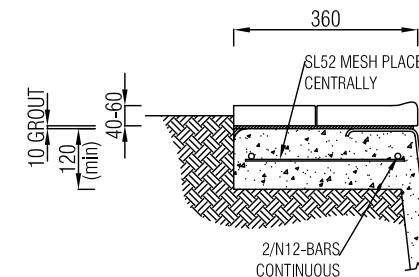
**HYDROSTATIC VALVE DETAIL**  
N.T.S



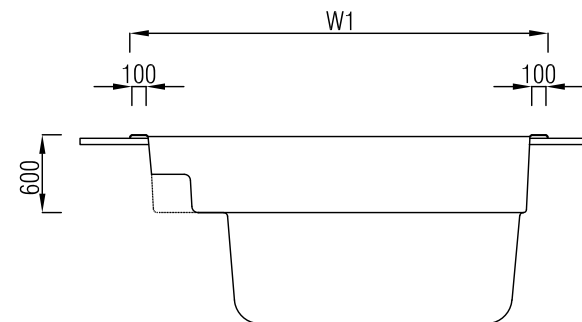
**ELEVATION**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.



**ALTERNATIVE FOR PAVERS**  
N.T.S



**SECTION**  
N.T.S

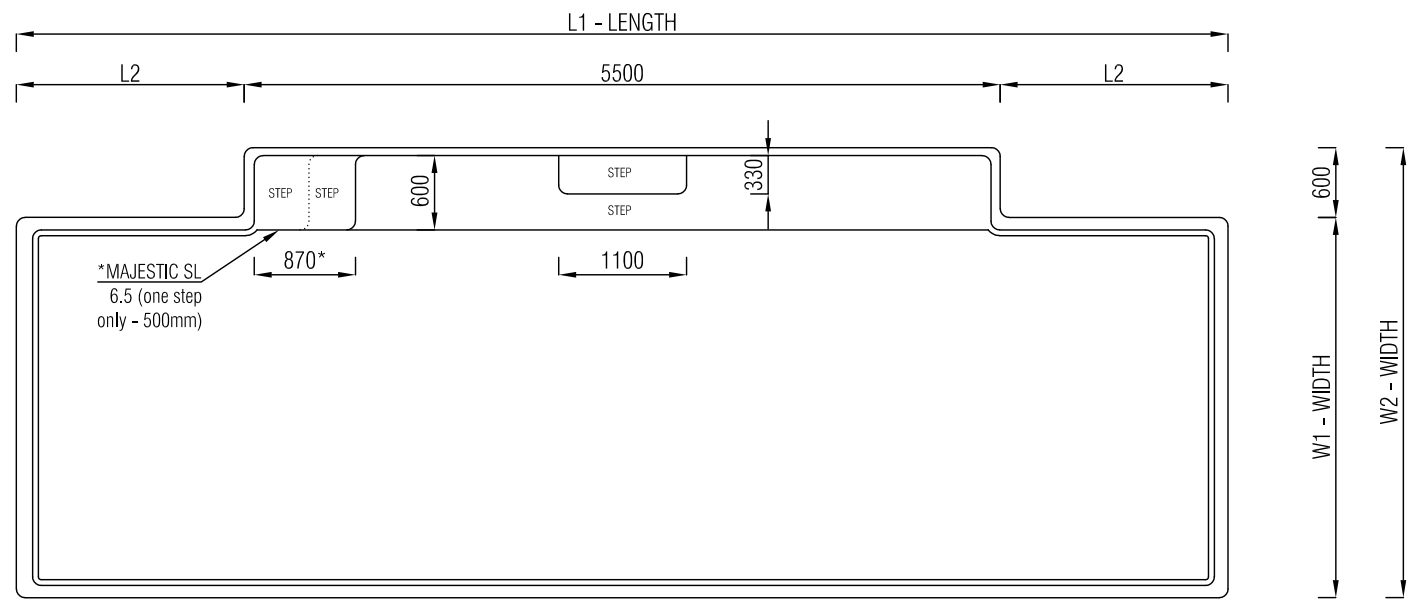
**GENERAL NOTES**

1. PROVIDE A 100mm (min) THICK BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL (max) SIZE 12mm.
2. WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
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5. THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
6. THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
8. ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
10. GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
11. CONCRETE STRENGTH TO BE N20/20/100.
12. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
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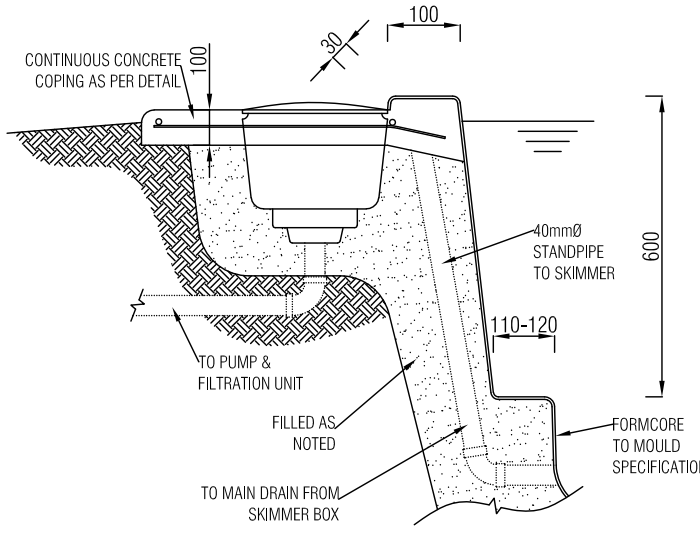
| MAJESTIC LAP POOL RANGE |             |            |            |                |                |
|-------------------------|-------------|------------|------------|----------------|----------------|
| POOL                    | LENGTH (L1) | WIDTH (W1) | WIDTH (W2) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| MAJESTIC LAP 10.5       | 10500       | 3500       | 2800       | 1200           | 1900           |
| MAJESTIC LAP 8.5        | 8500        | 3500       | 2800       | 1130           | 1850           |

\* All measurements are mm.

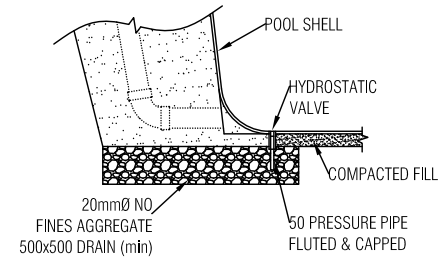
| DRAWING REVISIONS   |  |  |  | REFERENCE DRAWINGS                |  |  |  | COPYRIGHT                         |  |  |  | SIGNED APPROVAL |  |  |  | Summermore Pty Ltd    |  |  |  | CLIENT                 |  |  |  | PROJECT             |  |  |  |                         |  |  |  |                             |  |  |  |                      |  |  |  |                          |  |  |  |  |  |  |  |
|---|--|--|--|-----------------------------------|--|--|--|-----------------------------------|--|--|--|-----------------|--|--|--|-----------------------|--|--|--|------------------------|--|--|--|---------------------|--|--|--|-------------------------|--|--|--|-----------------------------|--|--|--|----------------------|--|--|--|--------------------------|--|--|--|--|--|--|--|
| THESE DESIGNS, PLANS AND INFORMATION ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART OR TO BE USED ON ANY PROJECT WITHOUT THE WRITTEN PERMISSION OF SUMMERMORE PTY LTD |  |  |  | DO NOT SCALE FROM THESE DRAWINGS. |  |  |  | APPROVED: [Signature] 04 JUN 2024 |  |  |  | RPEQ: 6715      |  |  |  | Reviewed: [Signature] |  |  |  | Designed: RAB JUL 2023 |  |  |  | Drawn: GAB JUL 2023 |  |  |  | Scale: AS SHOWN         |  |  |  | Original Drawing Size at A3 |  |  |  | Consulting Engineers |  |  |  | Barrier Reef Pools Perth |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| PRELIMINARY DRAWINGS  |  |  |  | GAB JUL 2023                      |  |  |  |                                   |  |  |  |                 |  |  |  |                       |  |  |  |                        |  |  |  |                     |  |  |  | MAJESTIC LAP POOL RANGE |  |  |  |                             |  |  |  |                      |  |  |  |                          |  |  |  |  |  |  |  |
| - DESCRIPTION   |  |  |  | BY DATE                           |  |  |  | DRAWING NAME                      |  |  |  | TITLE           |  |  |  |                       |  |  |  |                        |  |  |  | DRAWING NUMBER      |  |  |  | REV                     |  |  |  |                             |  |  |  |                      |  |  |  |                          |  |  |  |  |  |  |  |
|   |  |  |  |                                   |  |  |  |                                   |  |  |  |                 |  |  |  |                       |  |  |  |                        |  |  |  | 19-19046-S09        |  |  |  | -                       |  |  |  |                             |  |  |  |                      |  |  |  |                          |  |  |  |  |  |  |  |



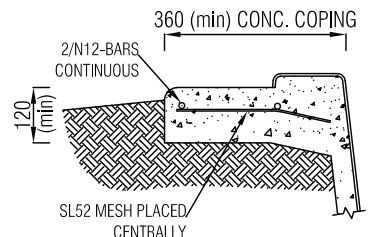
**PLAN**  
N.T.S



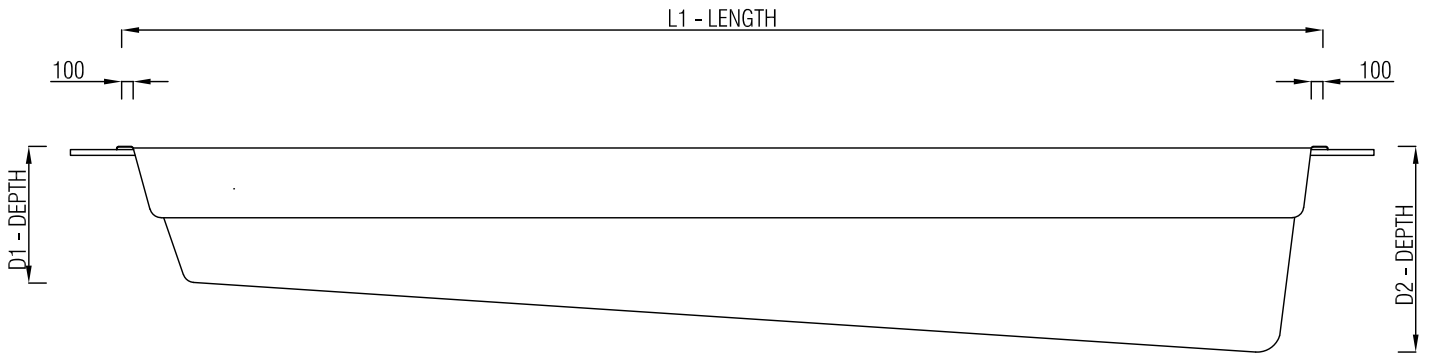
**SKIMMER BOX DETAIL**  
N.T.S



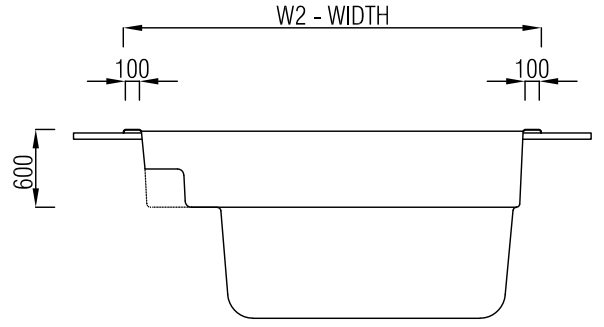
**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.



**ELEVATION**  
N.T.S



**SECTION**  
N.T.S

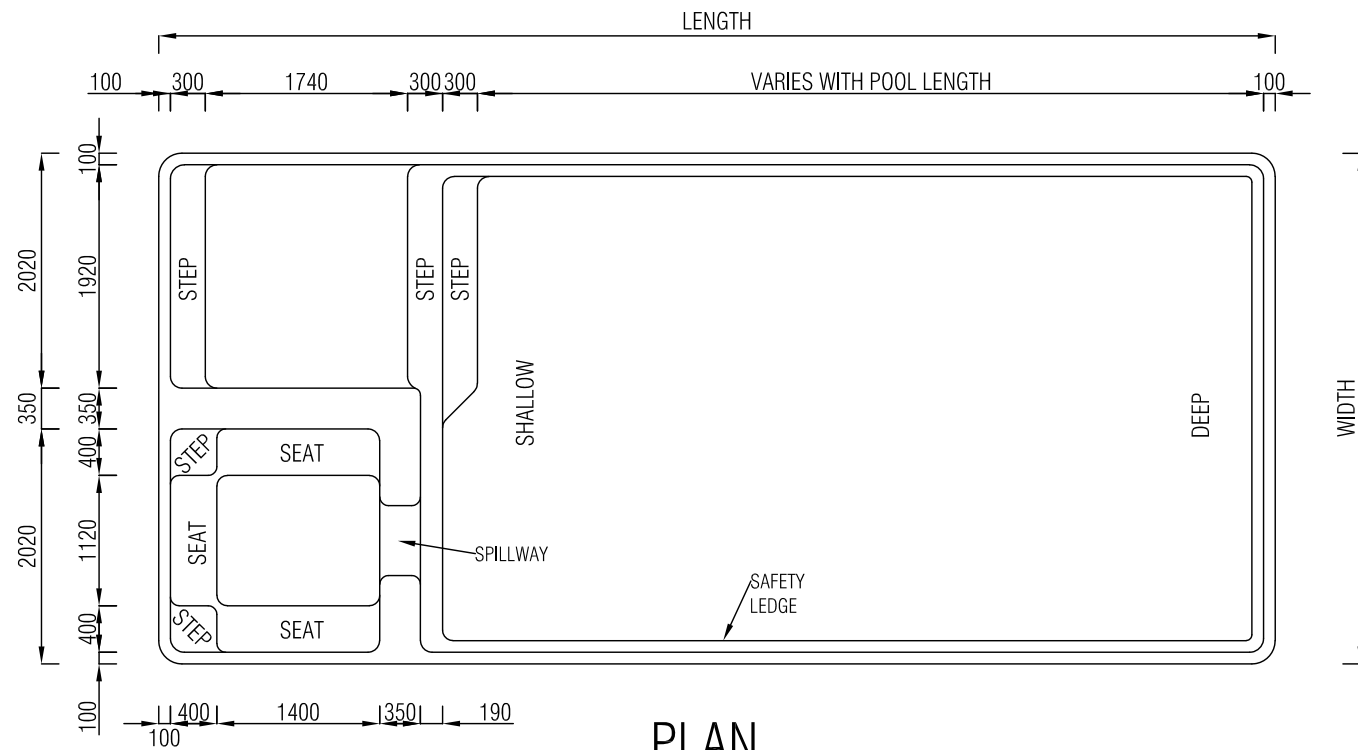
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  20. FOR SOIL CLASSIFICATIONS OF 'H2' & 'E' SITES REFER TO CERTIFICATION LETTER FOR REQUIRED ADJUSTMENTS.
  21. ALL SOIL CLASSIFICATIONS OF 'P' SITES SHALL BE REFERRED TO AN ENGINEER.

| MAJESTIC SLIMLINE POOL RANGE |             |             |            |            |                |                |
|------------------------------|-------------|-------------|------------|------------|----------------|----------------|
| POOL                         | LENGTH (L1) | LENGTH (L2) | WIDTH (W1) | WIDTH (W2) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| MAJESTIC SL 10.5             | 10500       | 1000        | 2900       | 3500       | 1200           | 1900           |
| MAJESTIC SL 8.5              | 8500        | 1000        | 2900       | 3500       | 1130           | 1850           |
| MAJESTIC SL 7.2              | 7200        | 1000        | 2900       | 3500       | 1100           | 1800           |
| MAJESTIC SL 6.2              | 6200        | 500         | 2900       | 3500       | 1100           | 1750           |

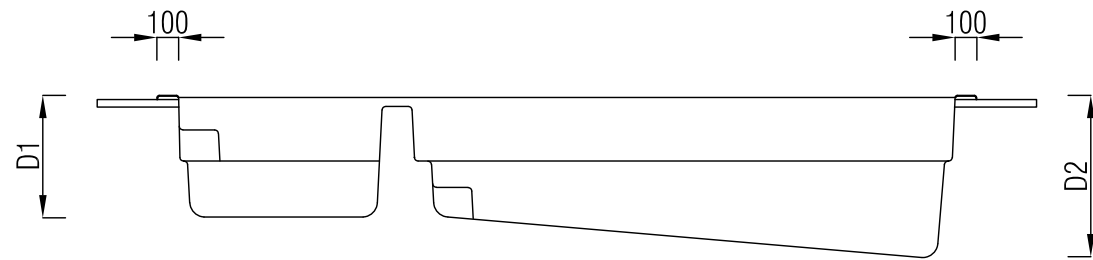
\* All measurements are mm.

|                                    |             |    |                    |              |       |  |  |  |   |  |  |  |   |  |   |  |  |  |  |  |
|------------------------------------|-------------|----|--------------------|--------------|-------|--|--|--|---|--|--|--|---|--|---|--|--|--|--|--|
| DRAWING REVISIONS                  |             |    | REFERENCE DRAWINGS |              |       | COPYRIGHT<br>THESE DESIGNS, PLANS AND INFORMATION ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART OR TO BE USED ON ANY PROJECT WITHOUT THE WRITTEN PERMISSION OF SUMMERMORE PTY LTD |  |  | SIGNED APPROVAL<br>APPROVED: [Signature] 04 JUN 2024<br>RPEQ: 6715<br>REVIEWED:<br>DESIGNED: RAB JUN 2024<br>DRAWN: RAB JUN 2024<br>SCALE: AS SHOWN |  |  | <b>Summertime Pty Ltd</b><br>Consulting Engineers<br>ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summertime.com.au<br>www.summertime.com.au<br>PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |   |  | CLIENT<br><b>Barrier Reef Pools Perth</b><br>28 Davinci Way,<br>Forrestdale,<br>WA, 6112. |  |  | PROJECT<br><b>Generic Fibreglass Pool Structural Details</b> |  |  |
| - PRELIMINARY FOR CLIENTS APPROVAL |             |    | RAB JUL 2023       |              |       | DO NOT SCALE FROM THESE DRAWINGS.  |  |  | ORIGINAL DRAWING SIZE at A3   |  |  | TITLE<br><b>MAJESTIC POOL RANGE (slimline)</b>   |   |  |   |  |  |  |  |  |
| REV                                | DESCRIPTION | BY | DATE               | DRAWING NAME | TITLE |  |  |  | DRAWING NUMBER<br><b>19-19046-S10</b>   |  |  | REV  | - |  |   |  |  |  |  |  |





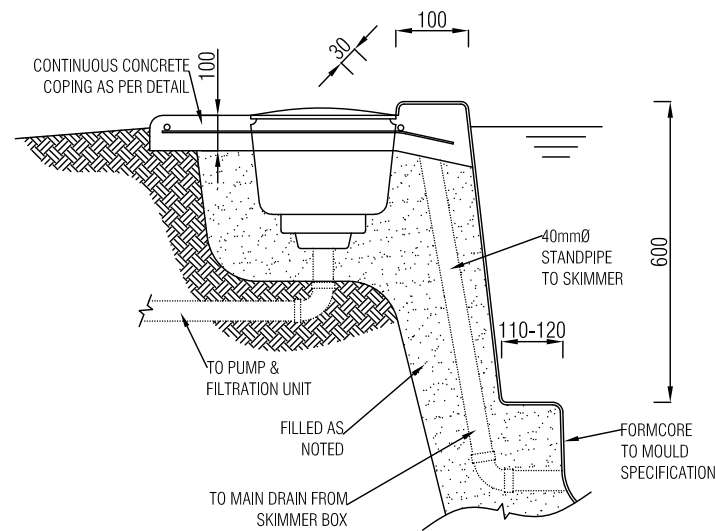
**PLAN**  
N.T.S



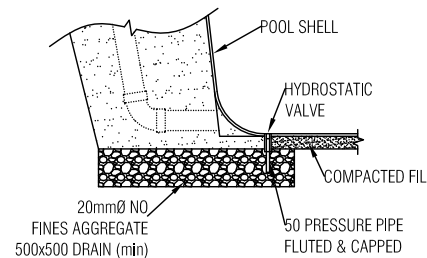
**ELEVATION**  
N.T.S

| MANHATTAN POOL & SPA RANGE |        |       |                |                |
|----------------------------|--------|-------|----------------|----------------|
| POOL                       | LENGTH | WIDTH | MIN DEPTH (D1) | MAX DEPTH (D2) |
| MANHATTAN 12.2             | 12200  | 4400  | 1340           | 2000           |
| MANHATTAN 10.6             | 10600  | 4400  | 1340           | 1900           |
| MANHATTAN 9.6              | 9600   | 4400  | 1340           | 1850           |
| MANHATTAN 8.6              | 8600   | 4400  | 1340           | 1800           |
| MANHATTAN 7.6              | 7600   | 4400  | 1340           | 1750           |

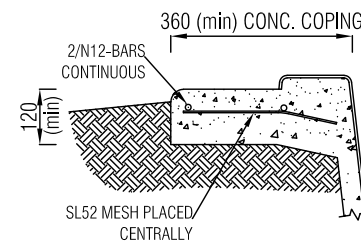
\* All measurements are mm.



**SKIMMER BOX DETAIL**  
N.T.S

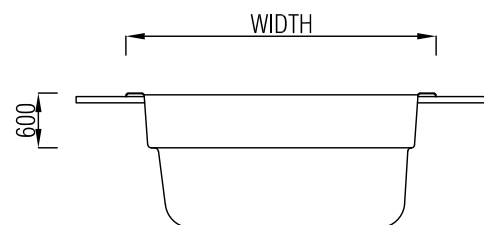


**HYDROSTATIC VALVE DETAIL**  
N.T.S

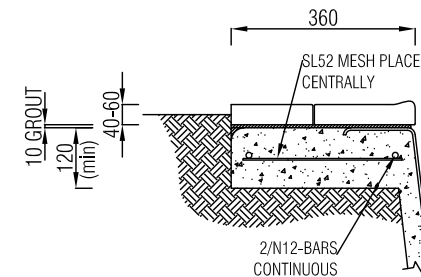


**CONCRETE COPING DETAIL**  
N.T.S

\* Concrete paving beside coping shall not be fixed to pool coping.



**SECTION**  
N.T.S

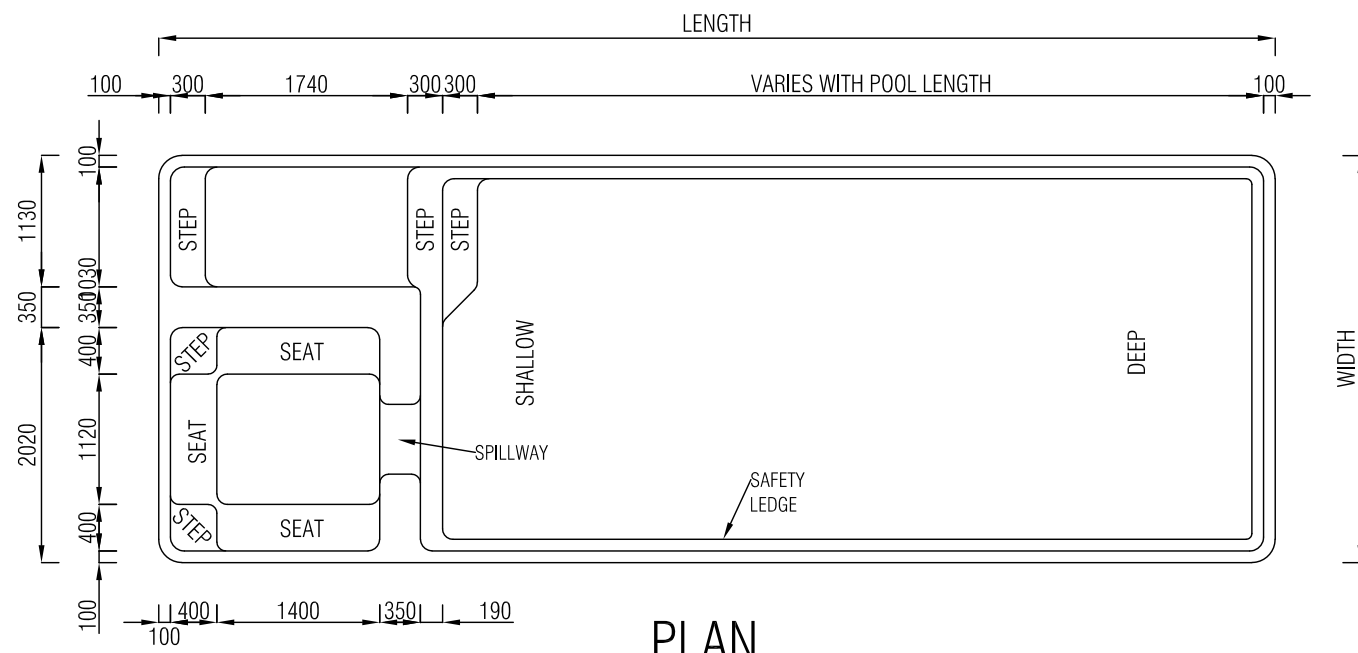


**ALTERNATIVE FOR PAVERS**  
N.T.S

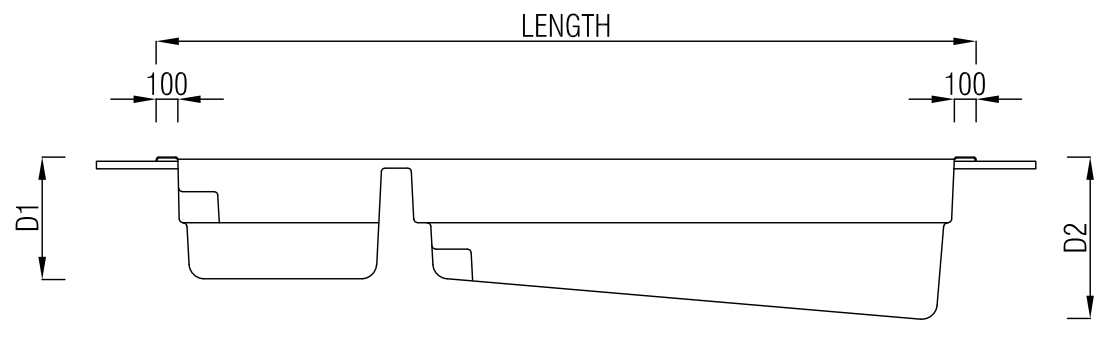
**GENERAL NOTES**

- PROVIDE A 100mm (min) THICK BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL (max) SIZE 12mm.
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- BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
- THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
- THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
- THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
- ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
- RESIN TO GLASS RATIO 2:1 BY WEIGHT.
- GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
- CONCRETE STRENGTH TO BE N20/20/100.
- FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
- NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
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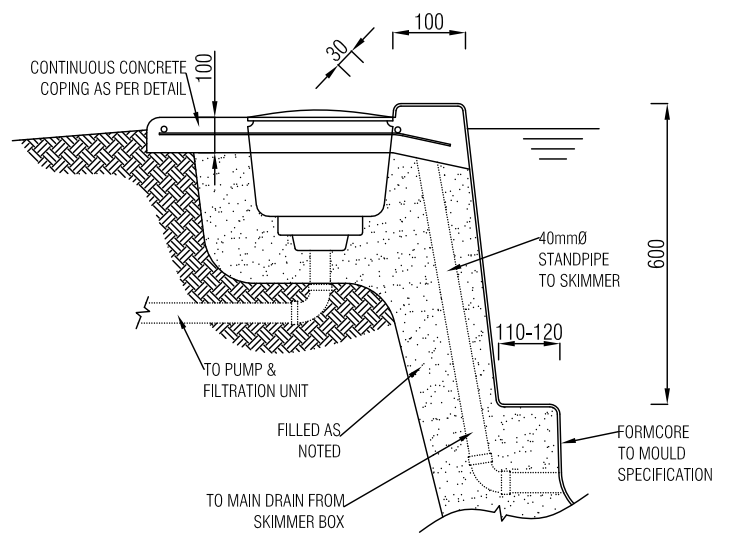
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|---|--|--|--|-----------------------------------|--|--|--|--------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|
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| PRELIMINARY DRAWINGS  |  |  |  | GAB JUL 2023                      |  |  |  | DESIGNED<br>RAB JUL 2023 |  |  |  | DRAWN<br>GAB JUL 2023   |  |  |  | 28 Davinci Way,<br>Forrestdale,<br>WA, 6112.   |  |  |  | MANHATTAN - POOL & SPA RANGE               |  |  |  |         |  |  |  |
| REV DESCRIPTION   |  |  |  | BY DATE DRAWING NAME              |  |  |  | SCALE AS SHOWN           |  |  |  | ORIGINAL DRAWING SIZE at A3   |  |  |  | PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |  |  | DRAWING NUMBER                             |  |  |  | REV     |  |  |  |
|   |  |  |  |                                   |  |  |  |                          |  |  |  |   |  |  |  | 19-19046-S11   |  |  |  | -  |  |  |  |         |  |  |  |



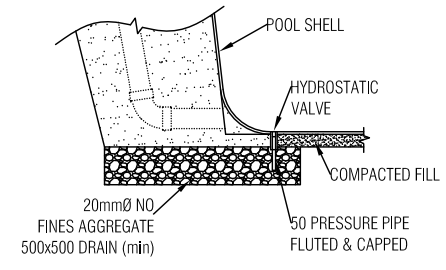
**PLAN**  
N.T.S



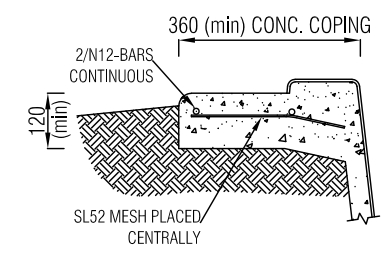
**ELEVATION**  
N.T.S



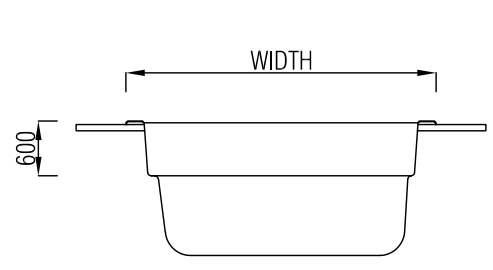
**SKIMMER BOX DETAIL**  
N.T.S



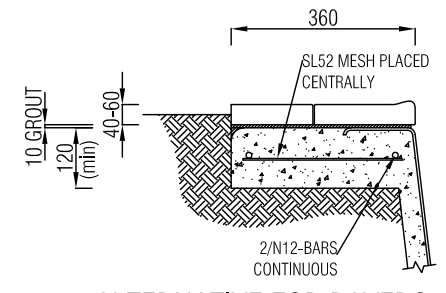
**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S  
\* Concrete paving beside coping shall not be fixed to pool coping.



**SECTION**  
N.T.S



**ALTERNATIVE FOR PAVERS**  
N.T.S

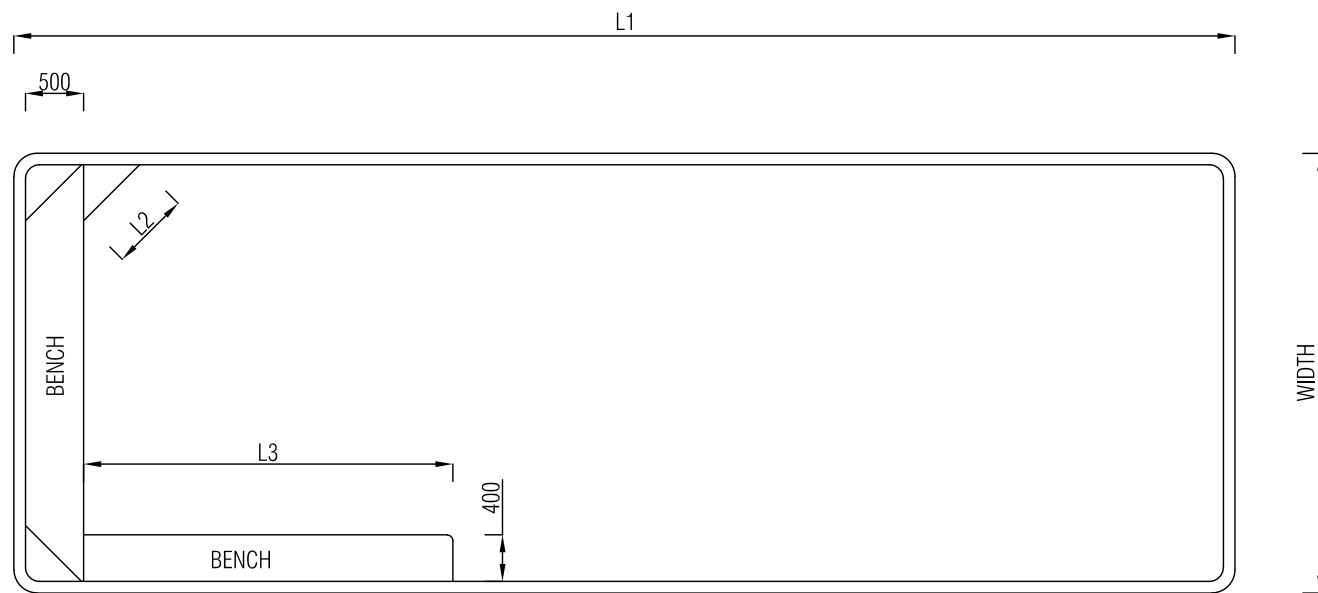
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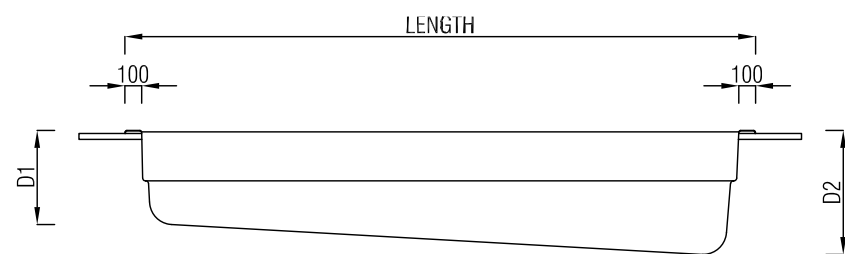
| MANHATTAN SLIMLINE RANGE |        |       |                |                |
|--------------------------|--------|-------|----------------|----------------|
| POOL                     | LENGTH | WIDTH | MIN DEPTH (D1) | MAX DEPTH (D2) |
| SLIMLINE 8.2             | 8200   | 3500  | 1340           | 1740           |
| SLIMLINE 7.2             | 7200   | 3500  | 1340           | 1660           |
| SLIMLINE 6.2             | 6200   | 3500  | 1340           | 1600           |

\* All measurements are mm.

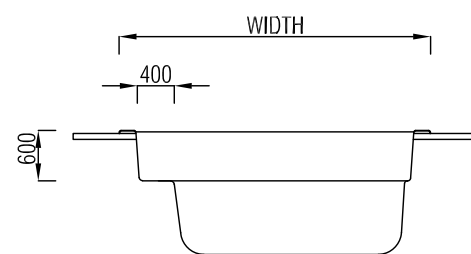
| DRAWING REVISIONS    |  |  |  | REFERENCE DRAWINGS |  |  |  | COPYRIGHT                         |  |  |  | SIGNED APPROVAL  |  |  |  | Summermore Pty Ltd  |  |  |  | CLIENT   |  |  |  | PROJECT                                    |  |  |  |
|----------------------|--|--|--|--------------------|--|--|--|-----------------------------------|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| PRELIMINARY DRAWINGS |  |  |  | GAB JUL 2023       |  |  |  | DO NOT SCALE FROM THESE DRAWINGS. |  |  |  | APPROVED: 04 JUN 2024<br>RPEQ: 6715<br>REVIEWED:<br>DESIGNED: RAB JUL 2023<br>DRAWN: GAB JUL 2023<br>SCALE: AS SHOWN |  |  |  | Consulting Engineers<br>ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au<br>PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |  |  | Barrier Reef Pools Perth<br>28 Davinci Way,<br>Forrestdale,<br>WA, 6112. |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| TITLE                |  |  |  | TITLE              |  |  |  | ORIGINAL DRAWING SIZE at A3       |  |  |  | 28 Davinci Way,<br>Forrestdale,<br>WA, 6112.   |  |  |  | MANHATTAN SLIMLINE RANGE  |  |  |  |  |  |  |  |  |  |  |  |
| DESCRIPTION          |  |  |  | BY DATE            |  |  |  | DRAWING NAME                      |  |  |  | DRAWING NUMBER   |  |  |  | REV   |  |  |  |  |  |  |  |  |  |  |  |
|                      |  |  |  |                    |  |  |  |                                   |  |  |  | 19-19046-S12   |  |  |  | -   |  |  |  |  |  |  |  |  |  |  |  |



**PLAN**  
N.T.S



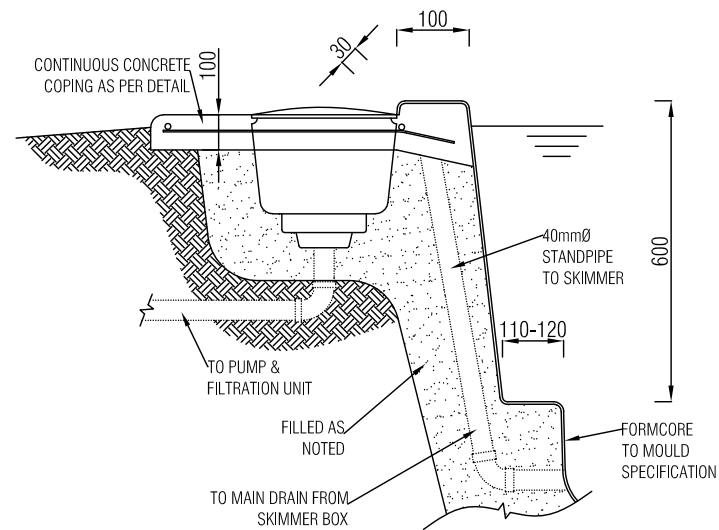
**ELEVATION**  
N.T.S



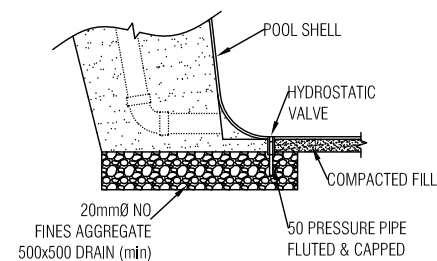
**SECTION**  
N.T.S

| MONACO RANGE      |             |       |             |            |                |                |
|-------------------|-------------|-------|-------------|------------|----------------|----------------|
| POOL              | LENGTH (L1) | WIDTH | LENGTH (L2) | BENCH (L3) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| MONACO (slimline) | 4200        | 1600  | 700         | -          | 1600           | 1600           |
| MONACO 4.2        | 4200        | 2600  | 700         | 3500       | 1600           | 1600           |
| MONACO 6.2        | 6200        | 2800  | 700         | 2900       | 1245           | 1720           |
| MONACO 7.2        | 7160        | 2800  | 700         | 2900       | 1245           | 1815           |
| MONACO 7.5        | 7500        | 3800  | 680         | 3000       | 1110           | 1710           |
| MONACO 8.5        | 8500        | 3800  | 680         | 3175       | 1110           | 1795           |
| MONACO 9.5        | 9500        | 3800  | 680         | 3175       | 1110           | 1860           |
| MONACO 10.5       | 10500       | 3800  | 680         | 3175       | 1110           | 1940           |

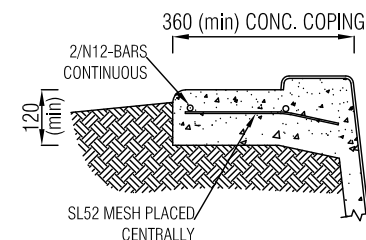
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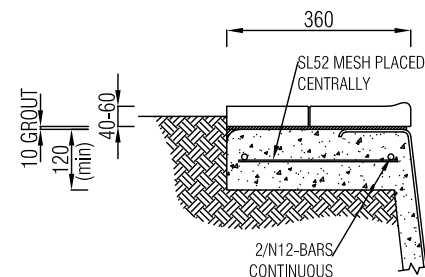
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.

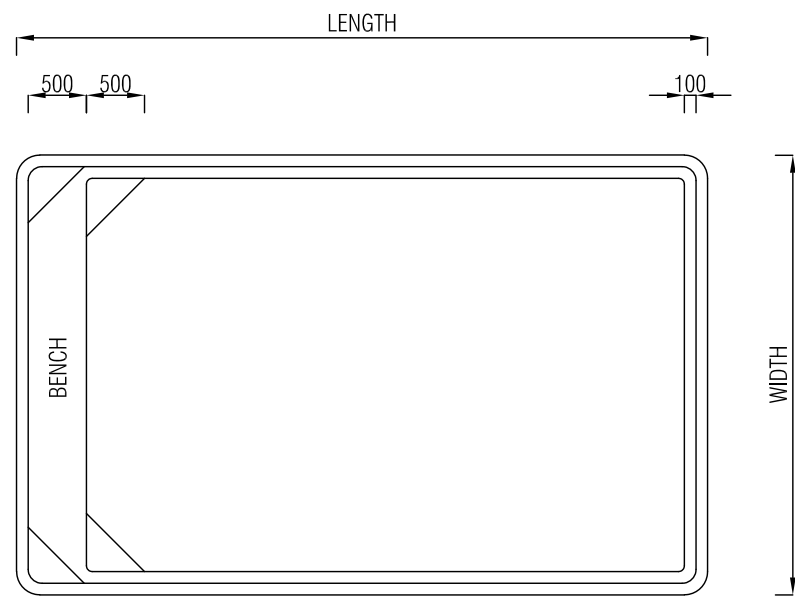


**ALTERNATIVE FOR PAVERS**  
N.T.S

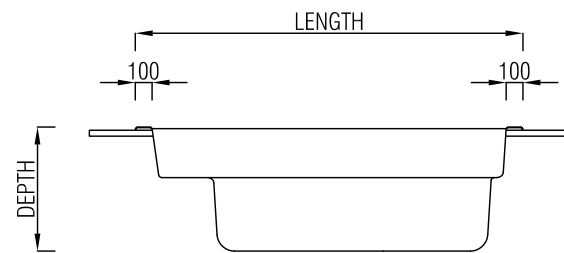
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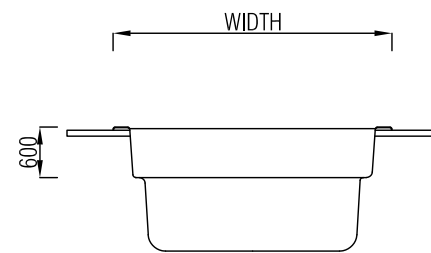
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|---|-------------|----|------|-----------------------------------|-------|--|--|-----------------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
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| DESIGNED: RAB JUL 2023  |             |    |      | DRAWN: GAB JUL 2023               |       |  |  | SCALE: AS SHOWN                   |  |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au |  |  |  | PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |  |  | 28 Davinci Way,<br>Forrestdale,<br>WA, 6112. |  |  |  | TITLE: MONACO RANGE                        |  |  |  |
| PRELIMINARY DRAWINGS  |             |    |      | GAB JUL 2023                      |       |  |  | ORIGINAL DRAWING SIZE at A3       |  |  |  |   |  |  |  | DRAWING NUMBER: 19-19046-S13   |  |  |  | REV: -                                       |  |  |  |  |  |  |  |
| REV   | DESCRIPTION | BY | DATE | DRAWING NAME                      | TITLE |  |  |                                   |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



**PLAN**  
N.T.S



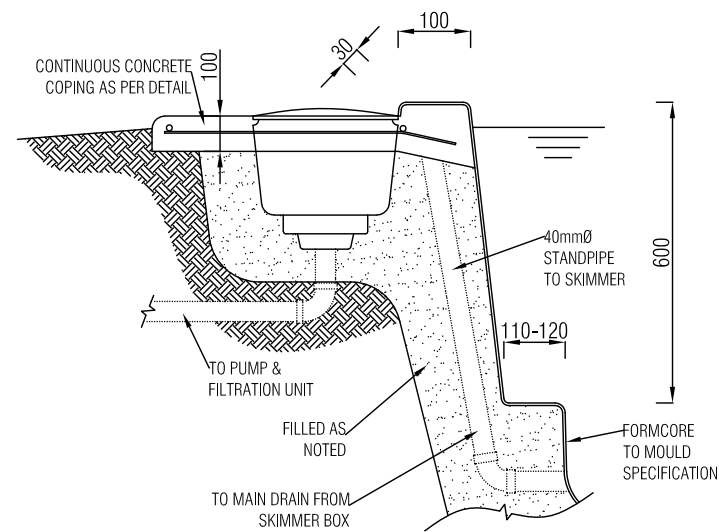
**ELEVATION**  
N.T.S



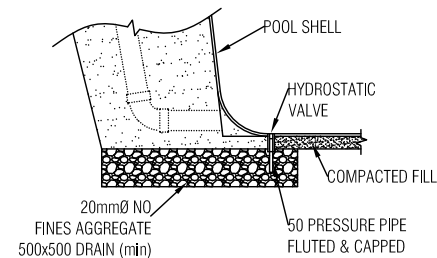
**SECTION**  
N.T.S

| PLUNGE POOL RANGE |        |       |       |
|-------------------|--------|-------|-------|
| POOL              | LENGTH | WIDTH | DEPTH |
| PLUNGE POOL 4.7   | 4700   | 3480  | 1670  |
| PLUNGE POOL 5.5   | 5500   | 3480  | 1670  |
| PLUNGE POOL 6.5   | 6500   | 3480  | 1670  |

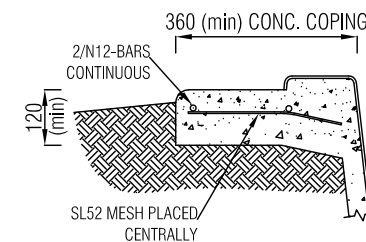
\* All measurements are mm.



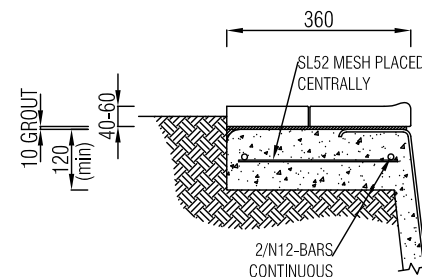
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
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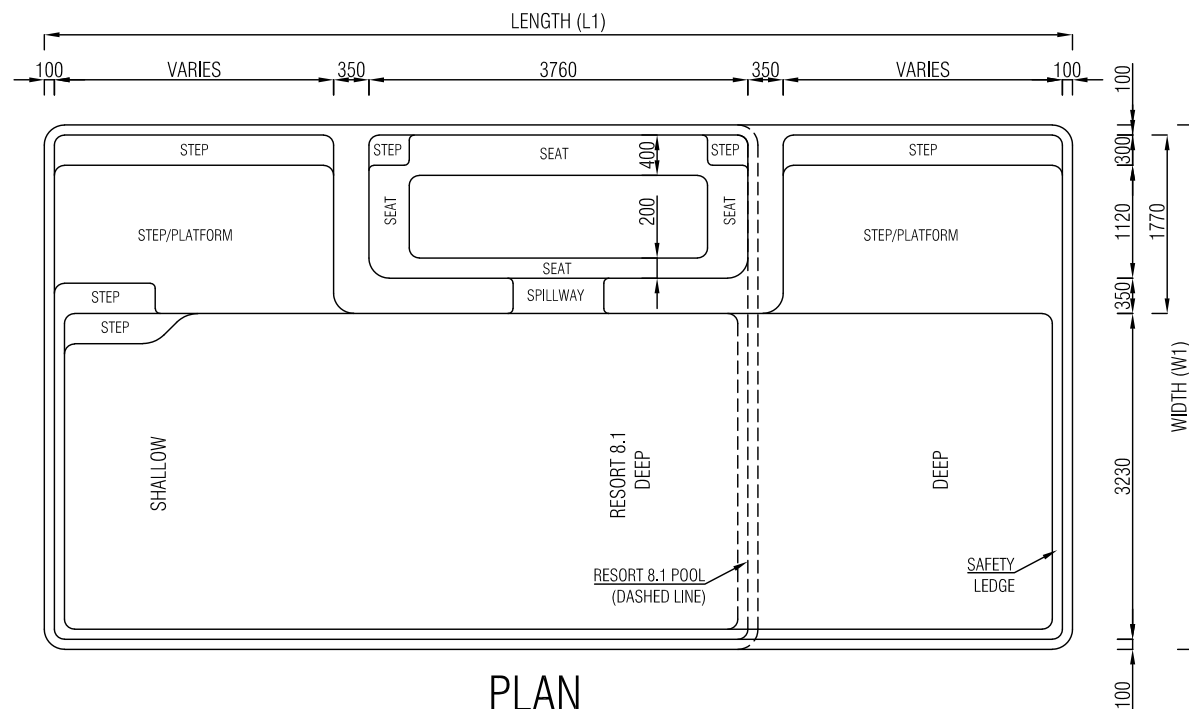
**ALTERNATIVE FOR PAVERS**  
N.T.S

**GENERAL NOTES**

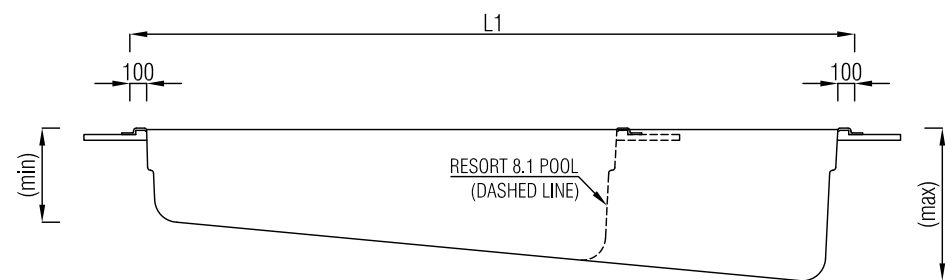
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2. WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
3. THE GRANULAR BASE SHALL BE SCREED & COMPACTED TO PROVIDE UNIFORM SUPPORT FOR THE SHELL. PLACE GRAVEL, PLUG, LEVEL THE POOL, HANDLING WITH A CENTRE SPREADER.
4. BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
5. THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
6. THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
8. ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
10. GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
11. CONCRETE STRENGTH TO BE N20/20/100.
12. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
13. NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.
15. THIS POOL IS NOT INTENDED FOR USE ON ABOVE GROUND INSTALLATIONS OR DESIGNED TO BE EMPTIED WITHOUT THE APPROVAL OF BARRIER REEF POOLS P/L.
16. ALL POOLS TO HAVE 1/N12 INSIDE & OUTSIDE OF COPING ON THE LONGEST SIDE & 1/N12 EACH END.
17. ALL LAPPING OF BARS TO BE 600mm (min) & TIED.
18. POOLS OVER 8400mm LONG ARE TO HAVE 2/N12 BARS ON OUTSIDE OF COPING 50mm APART.
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|----------------------|-------------|----|------|--------------------|-------|-----------------------------|--|---|--|--|--|------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
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| PRELIMINARY DRAWINGS |             |    |      |                    |       |                             |  | DO NOT SCALE FROM THESE DRAWINGS.   |  |  |  | RPEQ: 6715             |  |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | TITLE: PLUNGE POOL RANGE                   |  |  |  |
| GAB JUL 2023         |             |    |      |                    |       |                             |  | DESIGNED: RAB JUL 2023  |  |  |  | DRAWN: GAB JUL 2023    |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860       |  |  |  | DRAWING NUMBER: 19-19046-S14           |  |  |  | REV: -                                     |  |  |  |
| REV                  | DESCRIPTION | BY | DATE | DRAWING NAME       | TITLE | ORIGINAL DRAWING SIZE at A3 |  |   |  |  |  |                        |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |

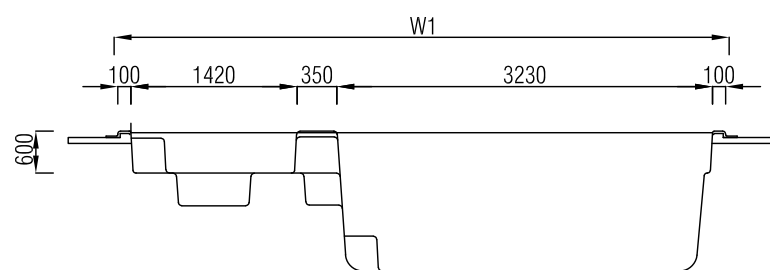




**PLAN**  
N.T.S



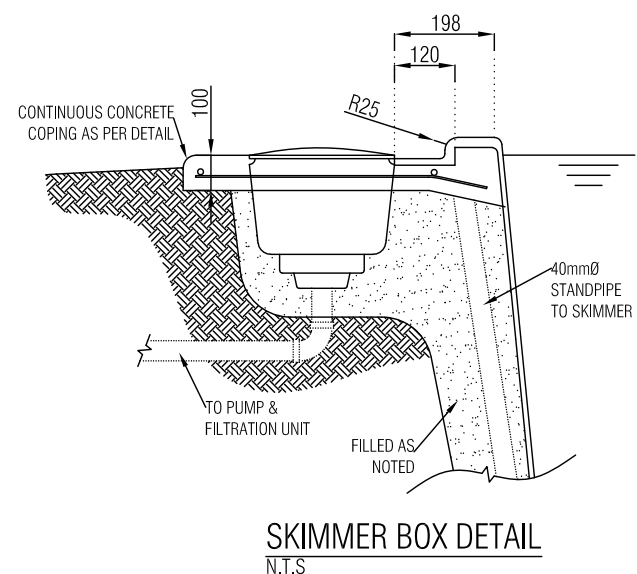
**ELEVATION**  
N.T.S



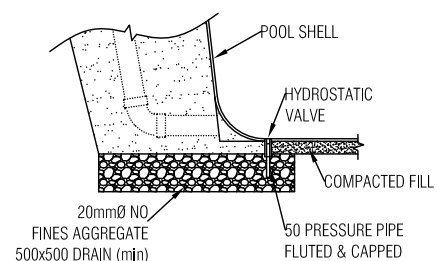
**SECTION**  
N.T.S

| RESORT RANGE - inground fibreglass pools |             |            |             |             |
|--|-------------|------------|-------------|-------------|
| POOL TYPE                                | LENGTH (L1) | WIDTH (W1) | DEPTH (max) | DEPTH (min) |
| RESORT 8.1                               | 8100        | 5200       | 1800        | 1100        |
| RESORT 12.2                              | 12200       | 5200       | 2040        | 1100        |

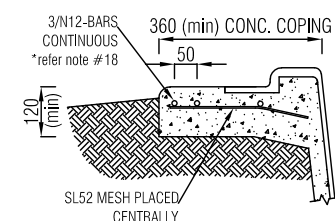
\* All measurements are mm.



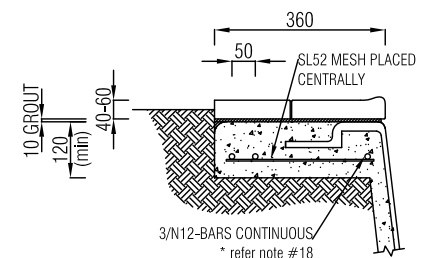
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S

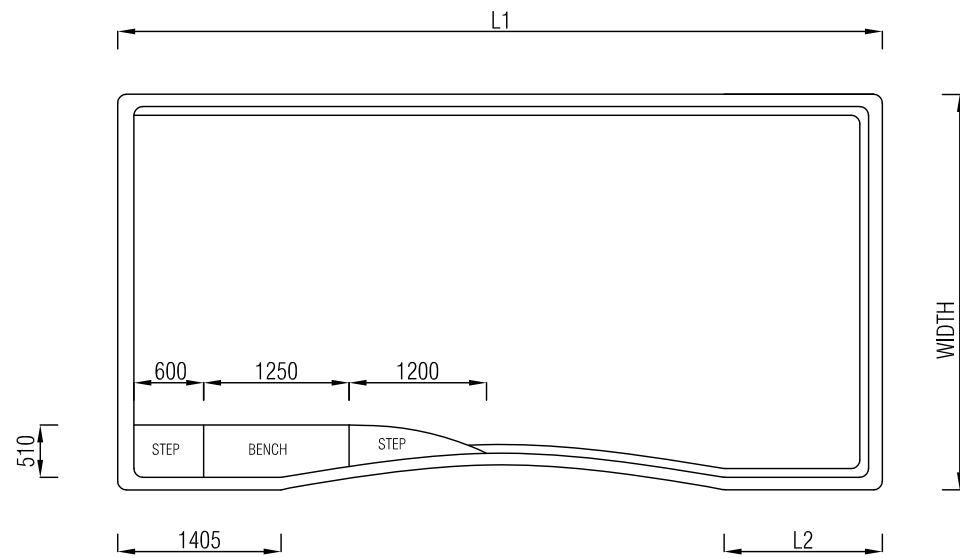


**ALTERNATIVE FOR PAVERS**  
N.T.S

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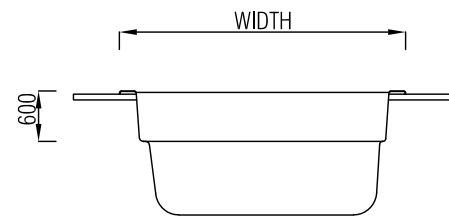
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|-------------------|--|--|--|----------------------------------|--|--|--|-----------|--|--|--|-----------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--------------------------|--|--|--|--|--|--|--|
| -                 |  |  |  | PRELIMINARY FOR CLIENTS APPROVAL |  |  |  | RAB       |  |  |  | JUL 2023        |  |  |  | APPROVED  |  |  |  | 04 JUN 2024  |  |  |  | Consulting Engineers                         |  |  |  | Barrier Reef Pools Perth |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| REV               |  |  |  | DESCRIPTION                      |  |  |  | BY        |  |  |  | DATE            |  |  |  | DRAWING NAME  |  |  |  | TITLE  |  |  |  | DRAWING NUMBER                               |  |  |  | REV                      |  |  |  |  |  |  |  |
|                   |  |  |  |                                  |  |  |  |           |  |  |  |                 |  |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au |  |  |  | PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |  |  | 28 Davinci Way,<br>Forrestdale,<br>WA, 6112. |  |  |  | RESORT POOL RANGE        |  |  |  |  |  |  |  |
|                   |  |  |  |                                  |  |  |  |           |  |  |  |                 |  |  |  | ORIGINAL DRAWING SIZE at A3   |  |  |  |  |  |  |  | 19-19046-S15                                 |  |  |  |                          |  |  |  |  |  |  |  |



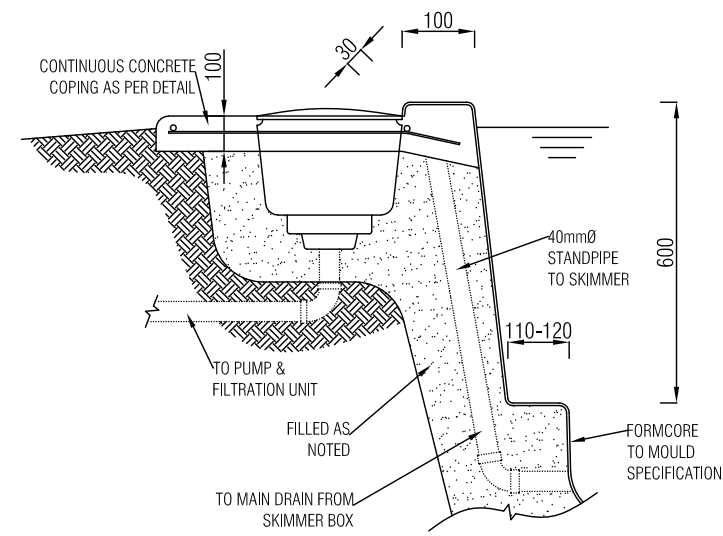
**PLAN**  
N.T.S



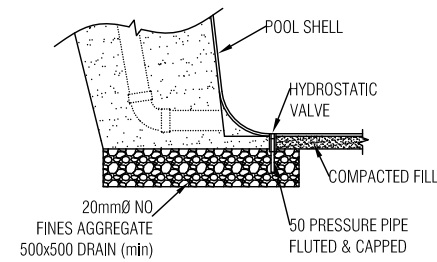
**ELEVATION**  
N.T.S



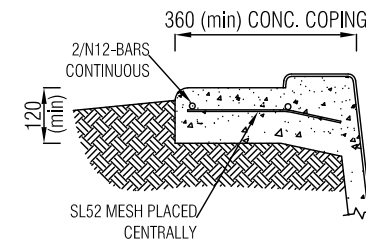
**SECTION**  
N.T.S



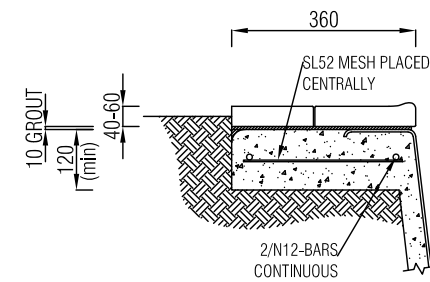
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.



**ALTERNATIVE FOR PAVERS**  
N.T.S

**GENERAL NOTES**

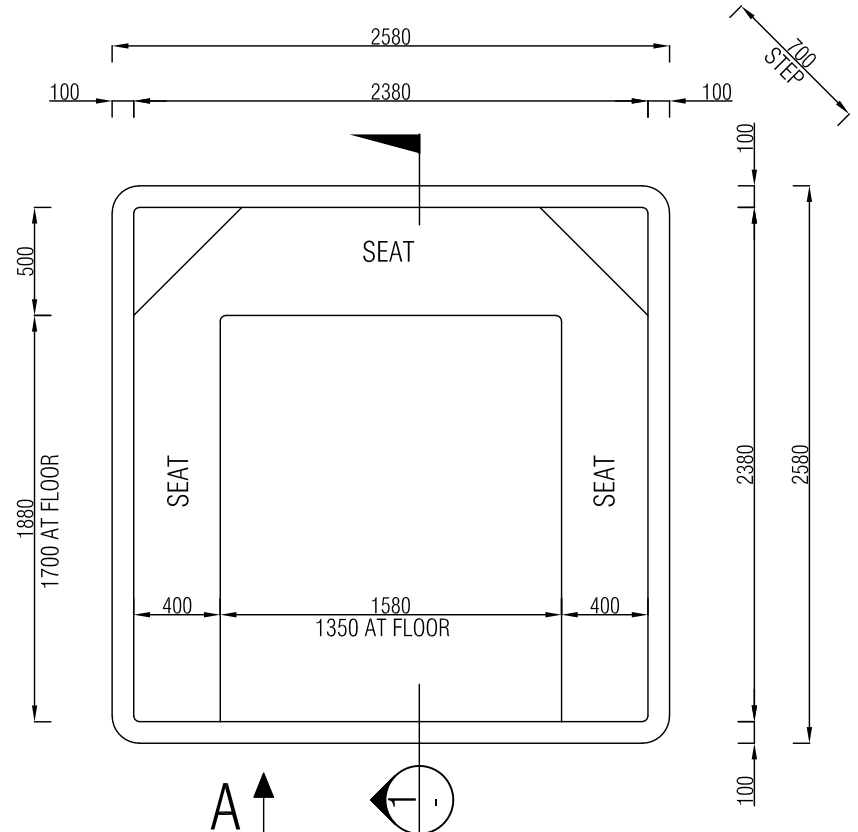
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**SAHARA RANGE**

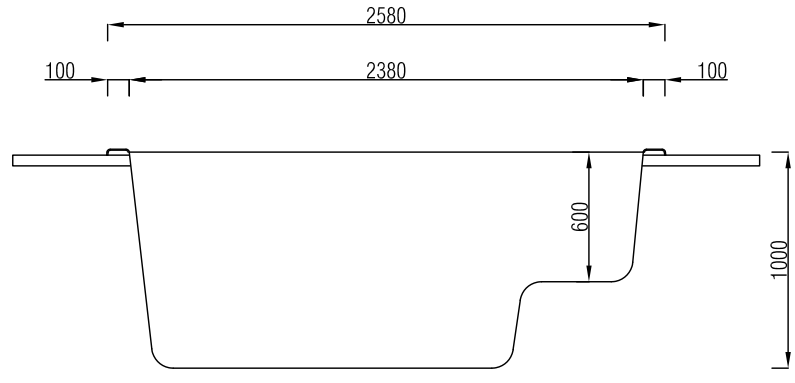
| POOL       | LENGTH (L1) | WIDTH | LENGTH (L2) | MIN DEPTH (D1) | MAX DEPTH (D2) |
|------------|-------------|-------|-------------|----------------|----------------|
| SAHARA 6.5 | 6500        | 3400  | 360         | 1320           | 1800           |
| SAHARA 7.5 | 7500        | 3400  | 1360        | 1320           | 1800           |

\* All measurements are mm.

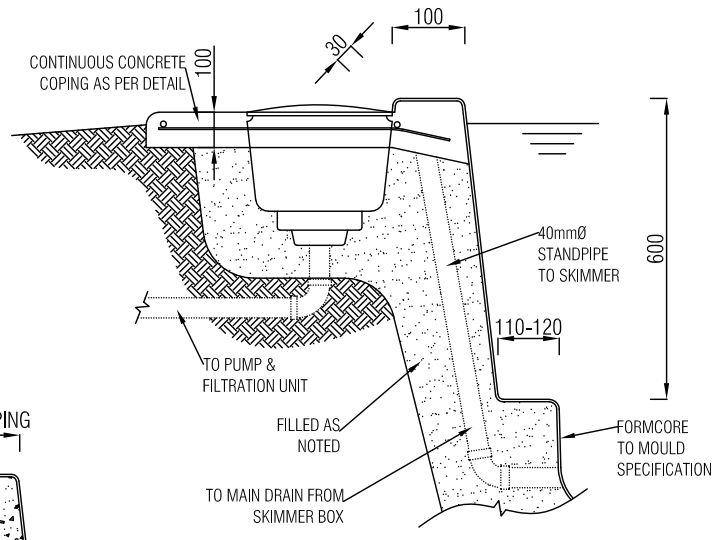
| DRAWING REVISIONS   |  |  |  | REFERENCE DRAWINGS                |  |  |  | COPYRIGHT              |  |  |  | SIGNED APPROVAL |  |  |  | Summermore Pty Ltd     |  |  |  | CLIENT              |  |  |  | PROJECT         |  |  |  |                             |  |  |  |                      |  |  |  |                          |  |  |  |  |  |  |  |
|---|--|--|--|-----------------------------------|--|--|--|------------------------|--|--|--|-----------------|--|--|--|------------------------|--|--|--|---------------------|--|--|--|-----------------|--|--|--|-----------------------------|--|--|--|----------------------|--|--|--|--------------------------|--|--|--|--|--|--|--|
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| PRELIMINARY DRAWINGS  |  |  |  | GAB JUL 2023                      |  |  |  |                        |  |  |  |                 |  |  |  |                        |  |  |  |                     |  |  |  |                 |  |  |  | SAHARA RANGE                |  |  |  |                      |  |  |  |                          |  |  |  |  |  |  |  |
| REV   |  |  |  | DESCRIPTION                       |  |  |  | BY                     |  |  |  | DATE            |  |  |  | DRAWING NAME           |  |  |  | TITLE               |  |  |  | DRAWING NUMBER  |  |  |  | REV                         |  |  |  |                      |  |  |  |                          |  |  |  |  |  |  |  |
|   |  |  |  |                                   |  |  |  |                        |  |  |  |                 |  |  |  |                        |  |  |  |                     |  |  |  | 19-19046-S16    |  |  |  |                             |  |  |  |                      |  |  |  |                          |  |  |  |  |  |  |  |



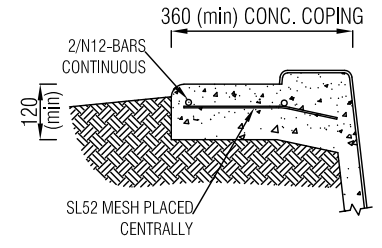
**PLAN**  
N.T.S



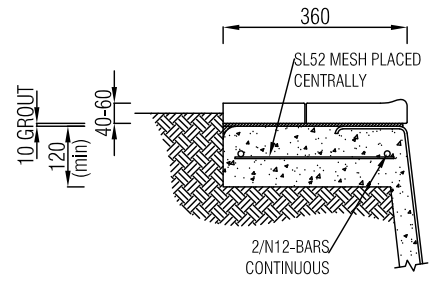
**SECTION 1**  
N.T.S



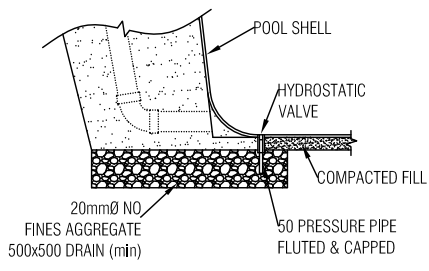
**SKIMMER BOX DETAIL**  
N.T.S



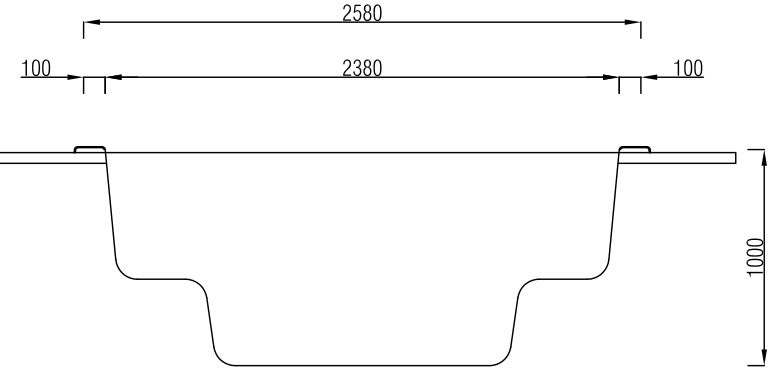
**CONCRETE COPING DETAIL**  
N.T.S  
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**ALTERNATIVE FOR PAVERS**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



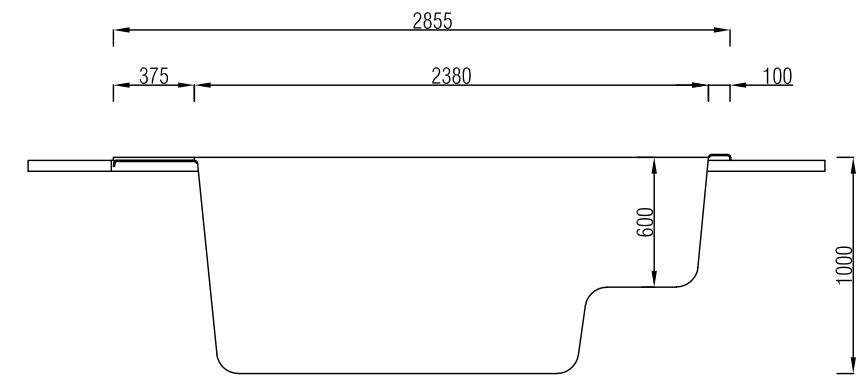
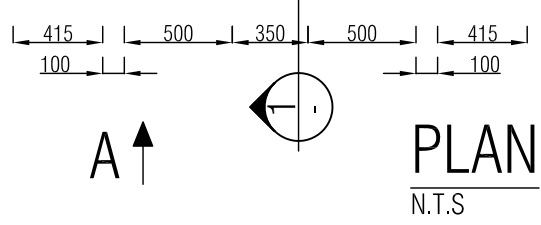
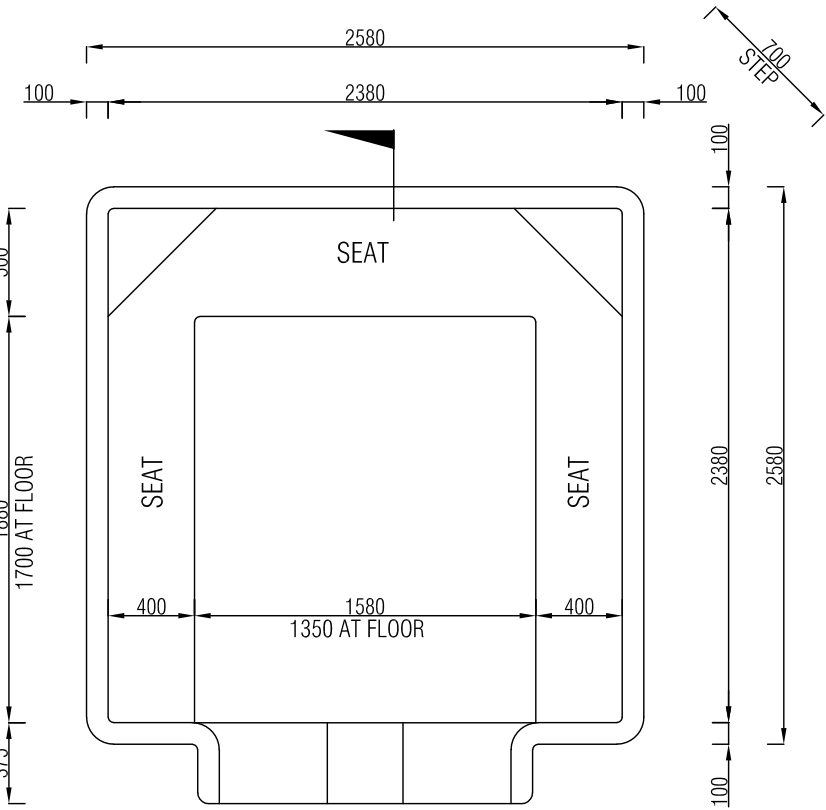
**ELEVATION-A**  
N.T.S

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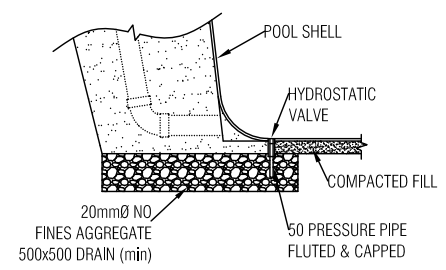
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|---|----------------------|-----|----------|-----------------------------------|-------|--|--|-----------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|
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| RPEQ 6715   |                      |     |          | DESIGNED RAB JUL 2023             |       |  |  | DRAWN GAB JUL 2023    |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118 Phone: 07 3800 0973 Fax: 07 3800 1860 |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | TITLE SQUARE SPA                           |  |  |  |         |  |  |  |
| SCALE AS SHOWN  |                      |     |          | ORIGINAL DRAWING SIZE at A3       |       |  |  | Fax: 07 3800 1860     |  |  |  | DRAWING NUMBER 19-19046-S17   |  |  |  | REV -                                  |  |  |  |  |  |  |  |         |  |  |  |
| REV   | DESCRIPTION          | BY  | DATE     | DRAWING NAME                      | TITLE |  |  |                       |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |
| -   | PRELIMINARY DRAWINGS | GAB | JUL 2023 |                                   |       |  |  |                       |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |

**GENERAL NOTES**

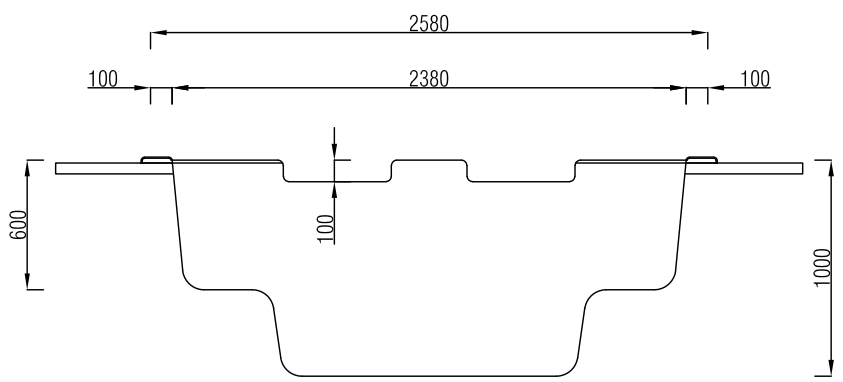
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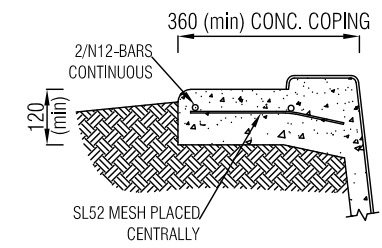
**SECTION 1**  
N.T.S.



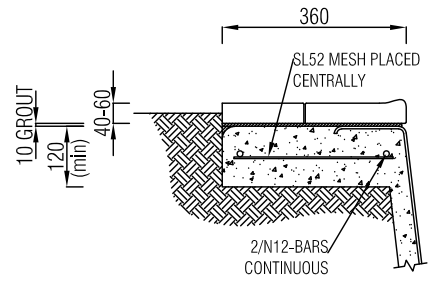
**HYDROSTATIC VALVE DETAIL**  
N.T.S.



**ELEVATION-A**  
N.T.S.



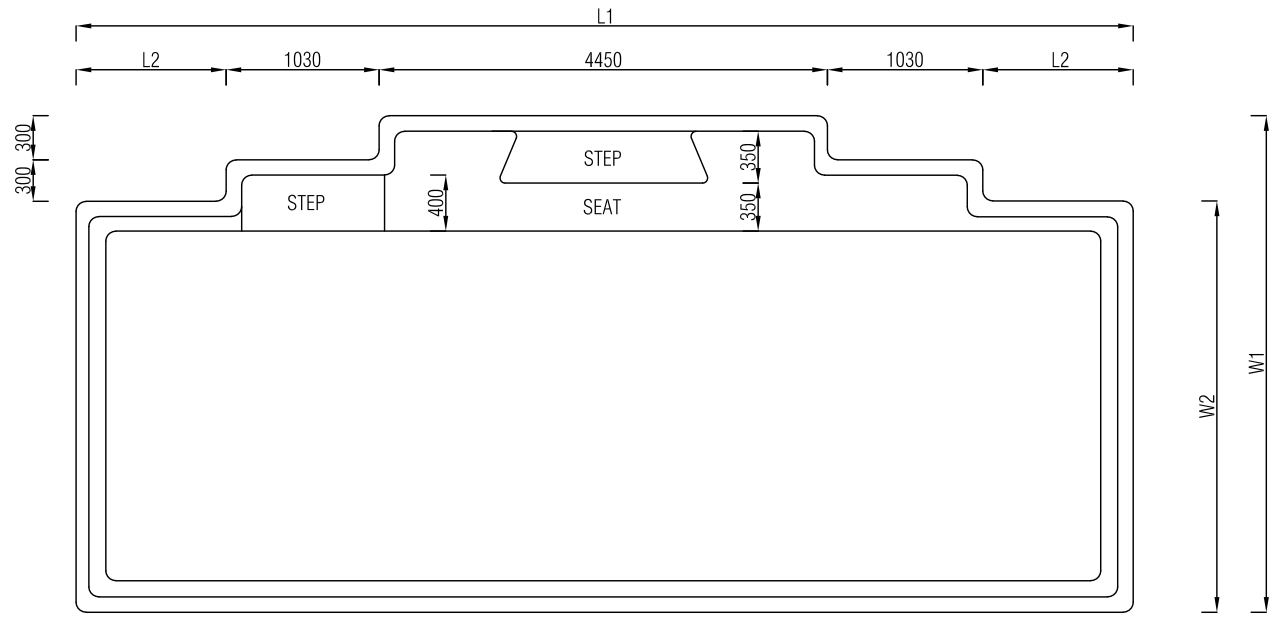
**CONCRETE COPING DETAIL**  
N.T.S. \* Concrete paving beside coping shall not be fixed to pool coping.



**ALTERNATIVE FOR PAVERS**  
N.T.S.

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|---|-------------|----|------|-----------------------------------|-------|-------|-----------------------------|------------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|
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| PRELIMINARY DRAWINGS  |             |    |      | GAB JUL 2023                      |       |       |                             | DESIGNED: RAB JUL 2023       |  |  |  | DRAWN: GAB JUL 2023   |  |  |  | PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |  |  | TITLE: SQUARE SPA WITH OVERFLOW            |  |  |  |         |  |  |  |
| REV   | DESCRIPTION | BY | DATE | DRAWING NAME                      | TITLE | SCALE | ORIGINAL DRAWING SIZE at A3 | DRAWING NUMBER: 19-19046-S18 |  |  |  | REV: -  |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |

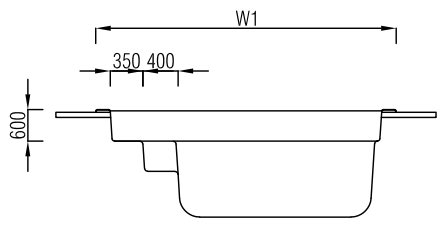




**PLAN**  
N.T.S



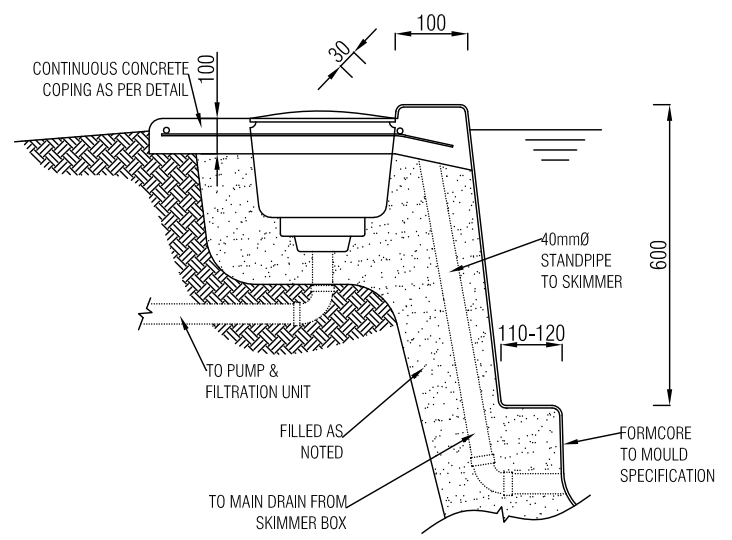
**ELEVATION**  
N.T.S



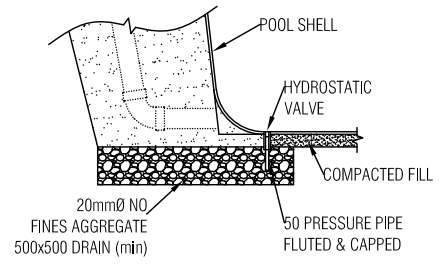
**SECTION**  
N.T.S

| VENETIAN RANGE          |             |             |            |            |                |                |
|-------------------------|-------------|-------------|------------|------------|----------------|----------------|
| POOL                    | LENGTH (L1) | LENGTH (L2) | WIDTH (W1) | WIDTH (W2) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| VENETIAN 8.5 (slimline) | 8500        | 980         | 3450       | 2850       | 1185           | 1860           |
| VENETIAN 8.5            | 8500        | 980         | 4400       | 3780       | 1185           | 1860           |
| VENETIAN 9.5            | 9500        | 1480        | 4400       | 3780       | 1130           | 1910           |
| VENETIAN 10.5           | 10500       | 1980        | 4400       | 3780       | 1100           | 1940           |

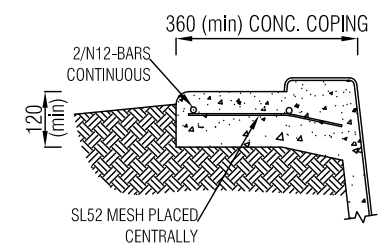
\* All measurements are mm.



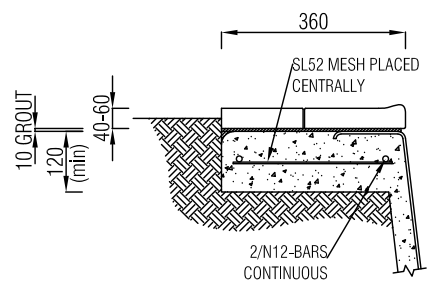
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
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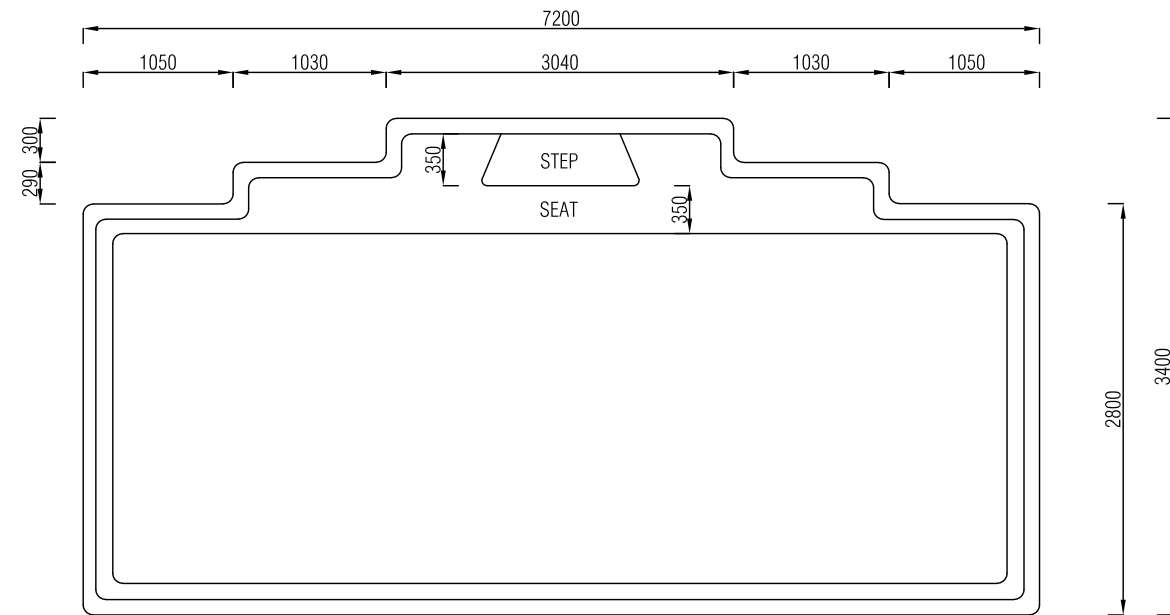


**ALTERNATIVE FOR PAVERS**  
N.T.S

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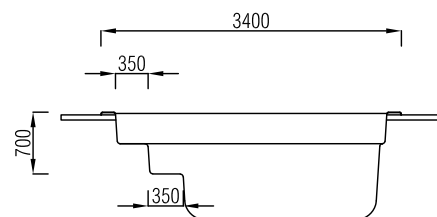
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|----------------------|-------------|----|--------------------|--------------|-------|--|--|--|---|--|--|--|--|--|---|--|--|--|--|--|
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| PRELIMINARY DRAWINGS |             |    | GAB JUL 2023       |              |       | DO NOT SCALE FROM THESE DRAWINGS.  |  |  | ORIGINAL DRAWING SIZE at A3   |  |  | TITLE<br><b>VENETIAN RANGE</b><br>DRAWING NUMBER<br><b>19-19046-S19</b><br>REV<br>-  |  |  |   |  |  |  |  |  |
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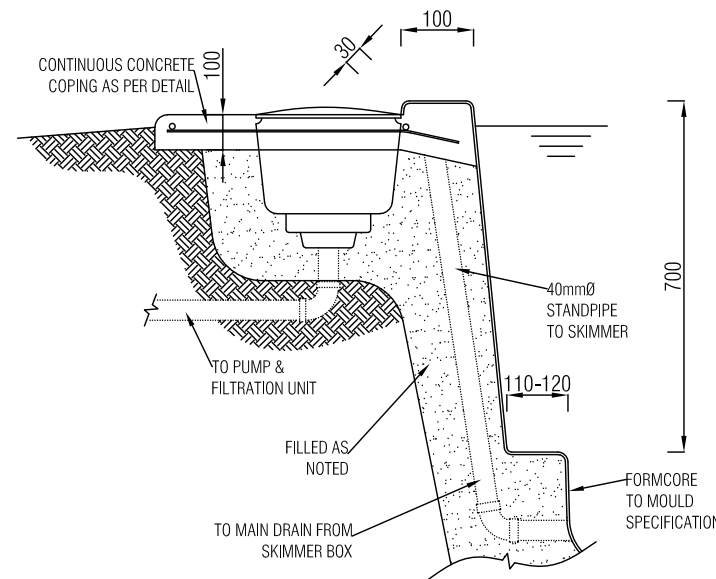
**PLAN**  
N.T.S



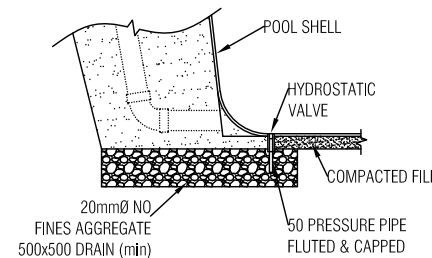
**ELEVATION**  
N.T.S



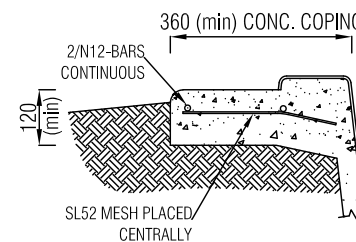
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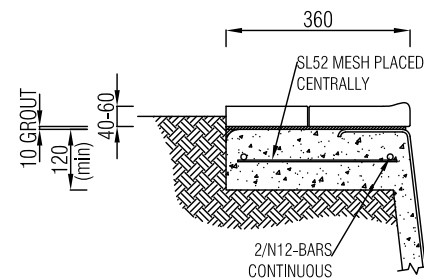
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
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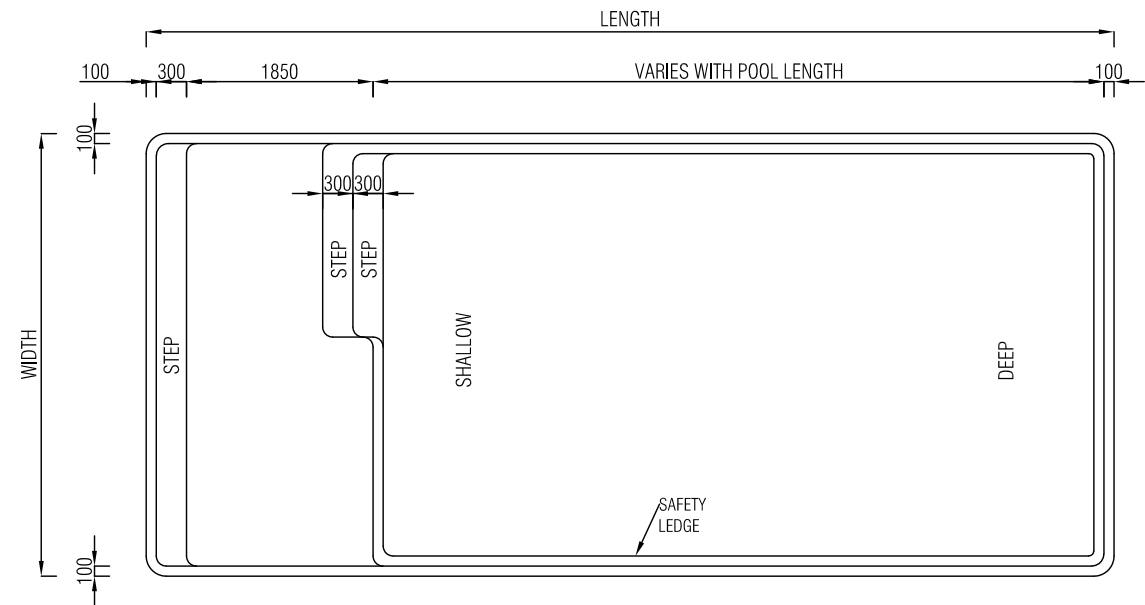


**ALTERNATIVE FOR PAVERS**  
N.T.S

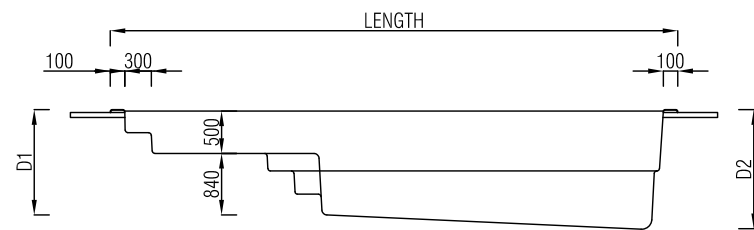
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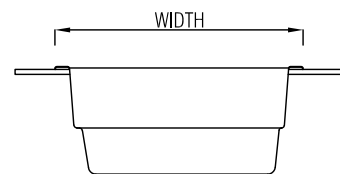
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|---|-------------|----|------|--------------------|-------|--|--|---|--|--|--|--|--|--|--|--------------------------|--|--|--|--|--|--|--|---------|--|--|--|
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| RPEQ  |             |    |      | 6715               |       |  |  | ACN: 108 898 433<br>ABN: 42 108 898 433<br>ron@summermore.com.au<br>www.summermore.com.au |  |  |  | 28 Davinci Way,<br>Forrestdale,<br>WA, 6112.   |  |  |  | TITLE                    |  |  |  | VENETIAN 7.2 x 3.5                         |  |  |  |         |  |  |  |
| DESIGNED  |             |    |      | RAB                |       |  |  | JUL 2023  |  |  |  | PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |  |  | DRAWING NUMBER           |  |  |  | 19-19046-S20                               |  |  |  |         |  |  |  |
| DRAWN   |             |    |      | GAB                |       |  |  | JUL 2023  |  |  |  | SCALE  |  |  |  | AS SHOWN                 |  |  |  | REV  |  |  |  | -       |  |  |  |
| PRELIMINARY DRAWINGS  |             |    |      | GAB                |       |  |  | JUL 2023  |  |  |  | ORIGINAL DRAWING SIZE at A3  |  |  |  |                          |  |  |  |  |  |  |  |         |  |  |  |
| REV   | DESCRIPTION | BY | DATE | DRAWING NAME       | TITLE |  |  |   |  |  |  |  |  |  |  |                          |  |  |  |  |  |  |  |         |  |  |  |



**SUNSEEKER SLIMLINE PLAN**  
N.T.S



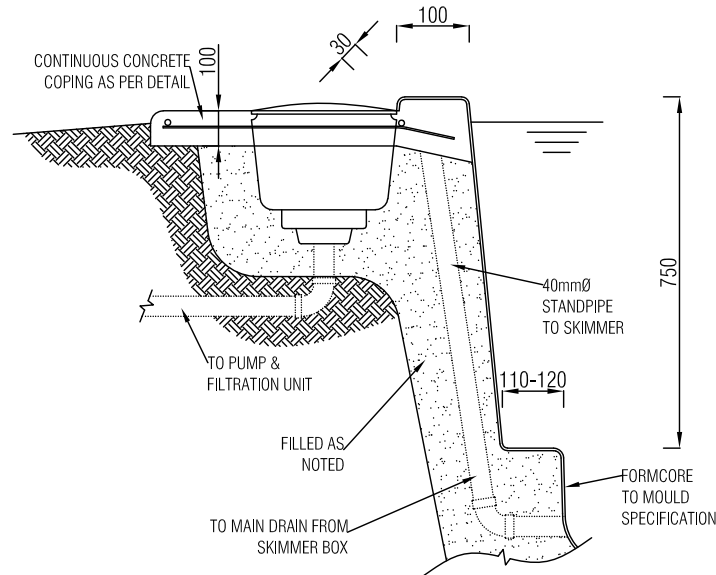
**ELEVATION**  
N.T.S



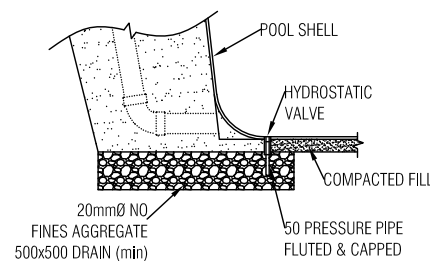
**SECTION**  
N.T.S

| SUNSEEKER SLIMLINE RANGE |        |       |                |                |
|--------------------------|--------|-------|----------------|----------------|
| POOL                     | LENGTH | WIDTH | MIN DEPTH (D1) | MAX DEPTH (D2) |
| SUNSEEKER SL 7.2         | 7200   | 3500  | 1340           | 1700           |

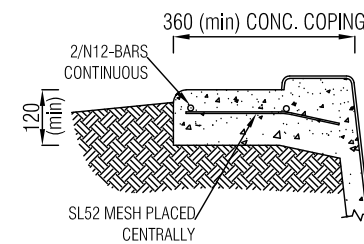
\* All measurements are mm.



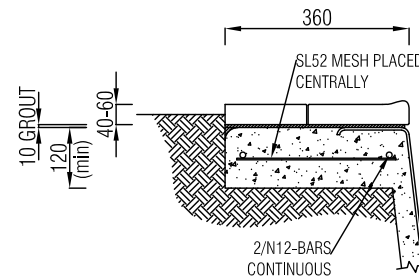
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
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**ALTERNATIVE FOR PAVERS**  
N.T.S

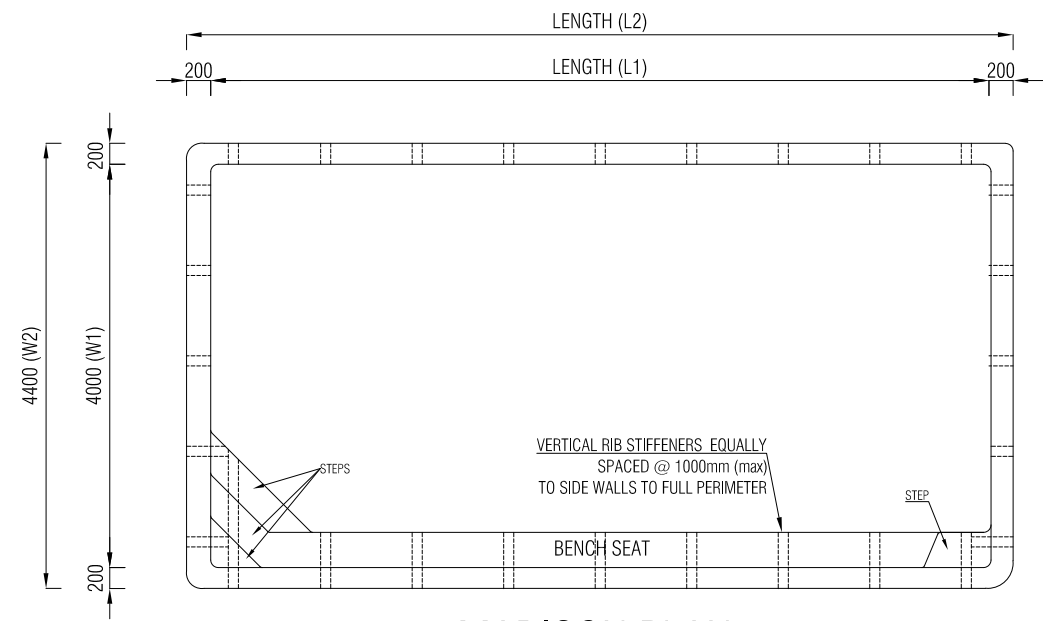
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2. WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
3. THE GRANULAR BASE SHALL BE SCREEDED & COMPACTED TO PROVIDE UNIFORM SUPPORT FOR THE SHELL. PLACE GRAVEL, PLUG, LEVEL THE POOL, HANDLING WITH A CENTRE SPREADER.
4. BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
5. THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
6. THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
8. ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
10. GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
11. CONCRETE STRENGTH TO BE N20/20/100.
12. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
13. NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.
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19. THIS POOL IS SUITABLE FOR SOIL CLASSIFICATIONS OF 'A', 'S', 'M' & 'H1' SITES.
20. FOR SOIL CLASSIFICATIONS OF 'H2' & 'E' SITES REFER TO CERTIFICATION LETTER FOR REQUIRED ADJUSTMENTS.
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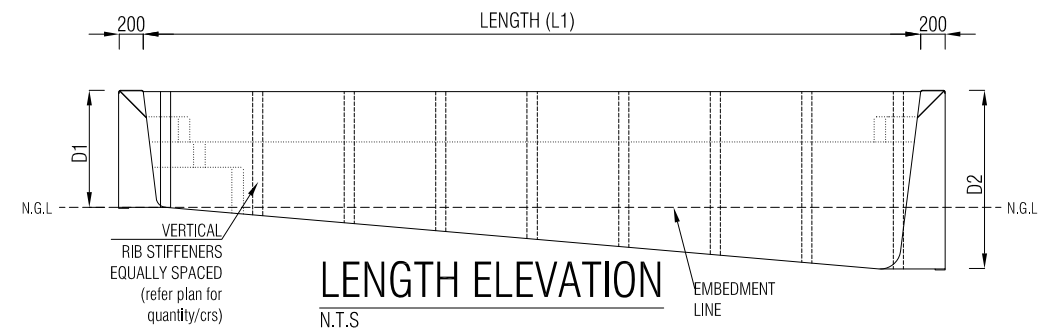
| DRAWING REVISIONS |                                  |     | REFERENCE DRAWINGS |              |       | COPYRIGHT  |     |          | SIGNED APPROVAL |             |   | Summermore Pty Ltd   |  |   | CLIENT         |                           |   | PROJECT |  |
|-------------------|----------------------------------|-----|--------------------|--------------|-------|--|-----|----------|-----------------|-------------|---|--|--|---|----------------|---------------------------|---|---------|--|
| REV               | DESCRIPTION                      | BY  | DATE               | DRAWING NAME | TITLE | <small>THESE DESIGNS, PLANS AND INFORMATION ARE COPYRIGHT AND ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART OR TO BE USED ON ANY PROJECT WITHOUT THE WRITTEN PERMISSION OF SUMMERMORE PTY LTD DO NOT SCALE FROM THESE DRAWINGS.</small> |     |          | APPROVED        | 04 JUN 2024 | <b>Consulting Engineers</b><br><small>ACN: 108 898 433<br/>           ABN: 42 108 898 433<br/>           ron@summermore.com.au<br/>           www.summermore.com.au</small> |  |  | <b>Barrier Reef Pools Perth</b><br>28 Davinci Way,<br>Forrestdale,<br>WA, 6112. |                |                           | <b>Generic Fibreglass Pool Structural Details</b> |         |  |
| -                 | PRELIMINARY FOR CLIENTS APPROVAL | RAB | MAR 2022           |              |       | DESIGNED   | RAB | MAY 2024 | DRAWN           | RAB         | MAY 2024  | PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |   |                | <b>Sunseeker Slimline</b> |   |         |  |
|                   |                                  |     |                    |              |       |  |     |          |                 |             |   |  |  |   | DRAWING NUMBER |                           | REV   |         |  |
|                   |                                  |     |                    |              |       |  |     |          |                 |             |   |  |  |   | 19-19046-S21   |                           | -   |         |  |



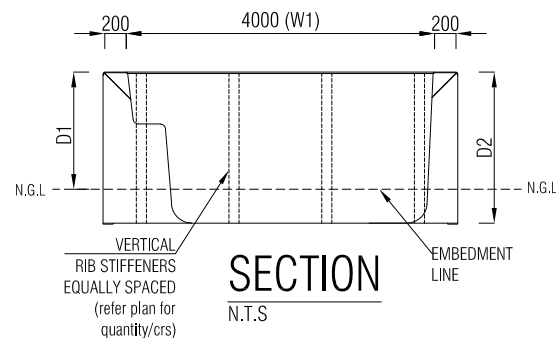




**MADISON PLAN**  
N.T.S



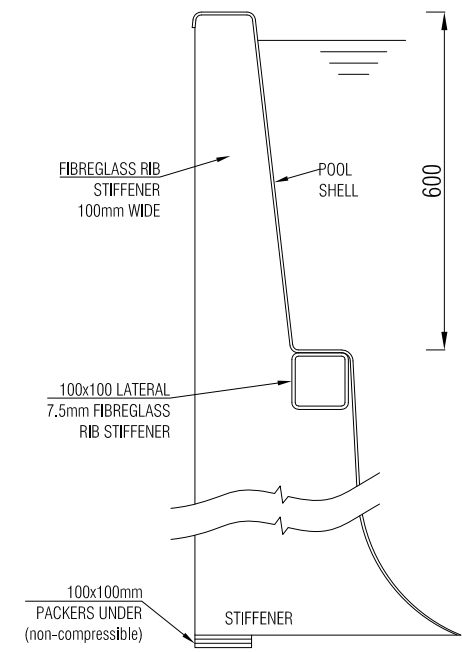
**LENGTH ELEVATION**  
N.T.S



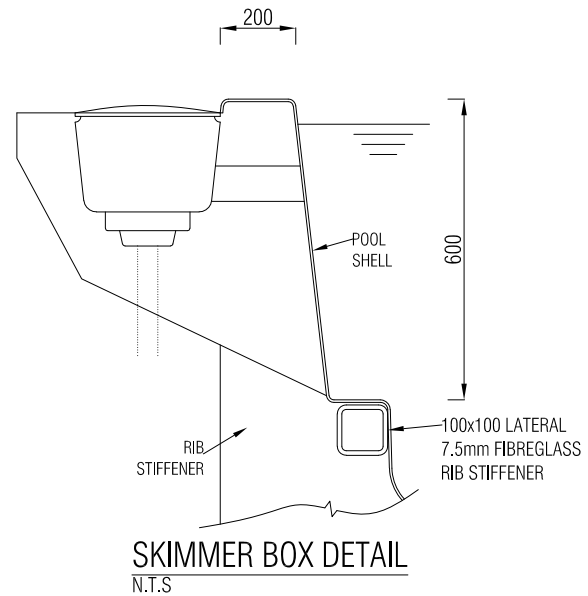
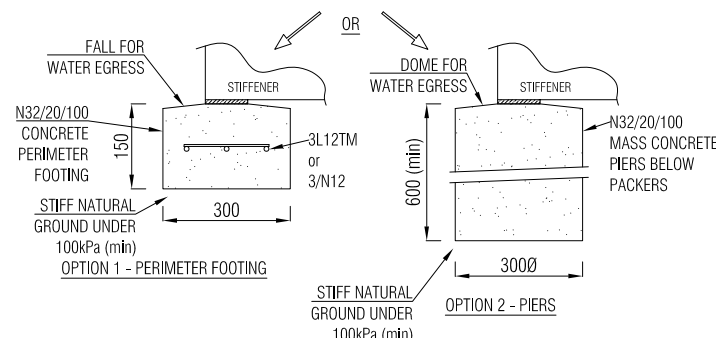
**SECTION**  
N.T.S

| MADISON RANGE (above ground) |             |             |            |            |                |                |
|------------------------------|-------------|-------------|------------|------------|----------------|----------------|
| POOL                         | LENGTH (L1) | LENGTH (L2) | WIDTH (W1) | WIDTH (W2) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| 8m Madison                   | 8000        | 8400        | 4000       | 4400       | 1000           | 2000           |
| 7m Madison                   | 7000        | 7400        | 4000       | 4400       | 1000           | 1900           |
| 6m Madison                   | 6000        | 6400        | 4000       | 4400       | 1100           | 1900           |
| 5m Madison                   | 5000        | 5400        | 4000       | 4400       | 1100           | 1800           |

\* All measurements are mm.



**RIB STIFFENER ELEVATION**  
N.T.S

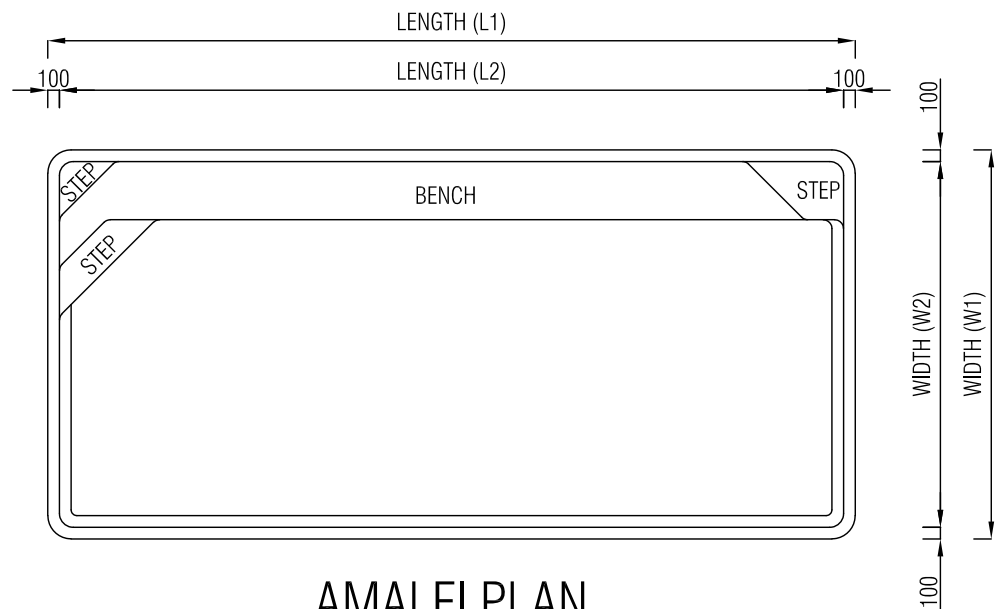


**SKIMMER BOX DETAIL**  
N.T.S

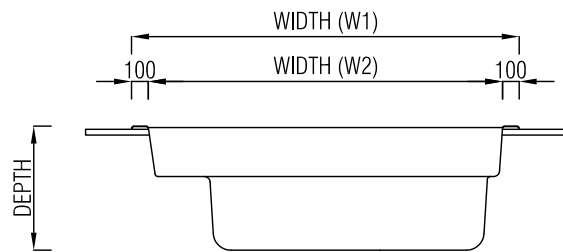
**GENERAL NOTES**

1. PROVIDE A 100mm (min) THICK BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL (max) SIZE 12mm.
2. WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
3. THE GRANULAR BASE SHALL BE SCREEDED & COMPACTED TO PROVIDE UNIFORM SUPPORT FOR THE SHELL. PLACE GRAVEL, PLUG, LEVEL THE POOL, HANDLING WITH A CENTRE SPREADER.
4. BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
5. THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 4.2mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
6. THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
7. THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
8. ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
9. RESIN TO GLASS RATIO 2:1 BY WEIGHT.
10. GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
11. CONCRETE STRENGTH TO BE N32/20/100.
12. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
13. NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.

| DRAWING REVISIONS |                      |     |          | REFERENCE DRAWINGS |       |          |             | COPYRIGHT            |                             |                     |                       | SIGNED APPROVAL       |                          |  |               | Summermore Pty Ltd                         |  |     |       | CLIENT                       |  |  |  | PROJECT |  |  |  |
|-------------------|----------------------|-----|----------|--------------------|-------|----------|-------------|----------------------|-----------------------------|---------------------|-----------------------|-----------------------|--------------------------|--|---------------|--|--|-----|-------|------------------------------|--|--|--|---------|--|--|--|
| REV               | DESCRIPTION          | BY  | DATE     | DRAWING NAME       | TITLE | APPROVED | 04 JUN 2024 | CONSULTING ENGINEERS | ACN: 108 898 433            | ABN: 42 108 898 433 | ron@summermore.com.au | www.summermore.com.au | Barrier Reef Pools Perth | Generic Fibreglass Pool Structural Details | PROJECT       | Generic Fibreglass Pool Structural Details |  |     | TITLE | Madison Range (Above Ground) |  |  |  |         |  |  |  |
| -                 | PRELIMINARY DRAWINGS | GAB | JAN 2024 |                    |       | RPEQ     | 6715        | PO Box 1671          | Browns Plains BC, QLD, 4118 | Phone: 07 3800 0973 | Fax: 07 3800 1860     |                       |                          | DRAWING NUMBER                             | 19-19046-S22A |  |  | REV | -     |                              |  |  |  |         |  |  |  |



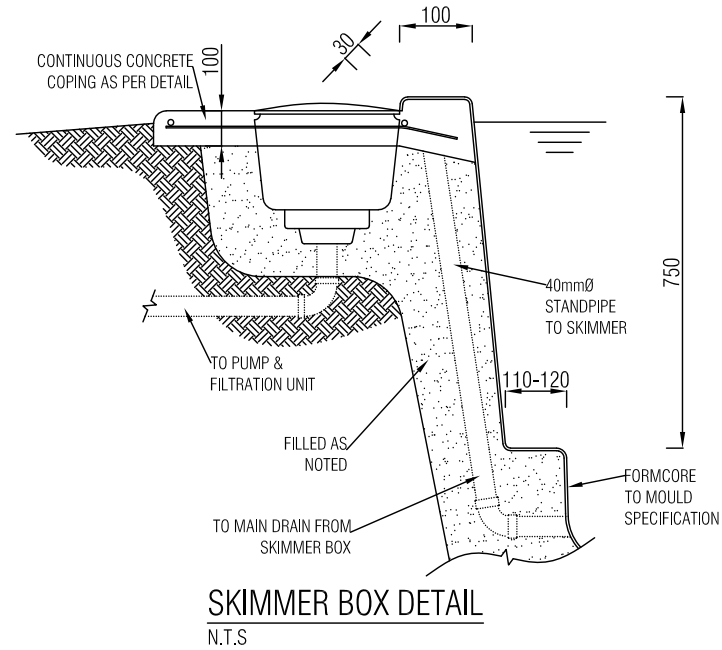
**AMALFI PLAN**  
N.T.S



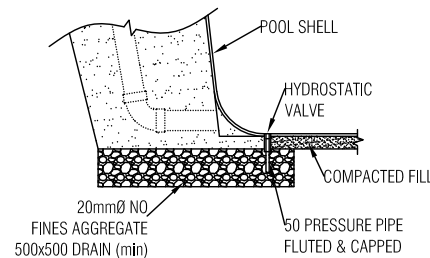
**SECTION**  
N.T.S

| AMALFI RANGE |             |             |            |            |                |                |
|--------------|-------------|-------------|------------|------------|----------------|----------------|
| POOL         | LENGTH (L1) | LENGTH (L2) | WIDTH (W1) | WIDTH (W2) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| AMALFI 8.2   | 8200        | 8000        | 2800       | 2600       | 1310           | 2015           |
| AMALFI 7.2   | 7200        | 7000        | 2800       | 2600       | 1310           | 1930           |
| AMALFI 6.2   | 6200        | 6000        | 2800       | 2600       | 1310           | 1835           |
| AMALFI 5.2   | 5200        | 5000        | 2800       | 2600       | 1310           | 1735           |
| AMALFI 4.2   | 4200        | 4000        | 2800       | 2600       | 1310           | 1635           |

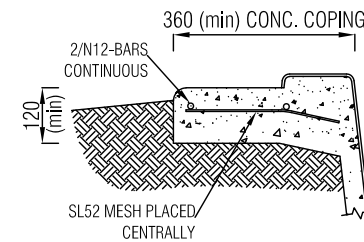
\* All measurements are mm.



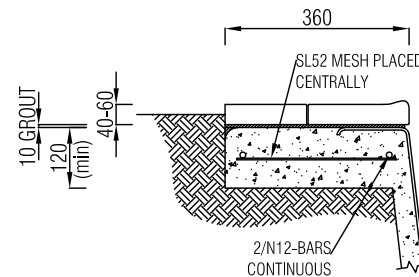
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.

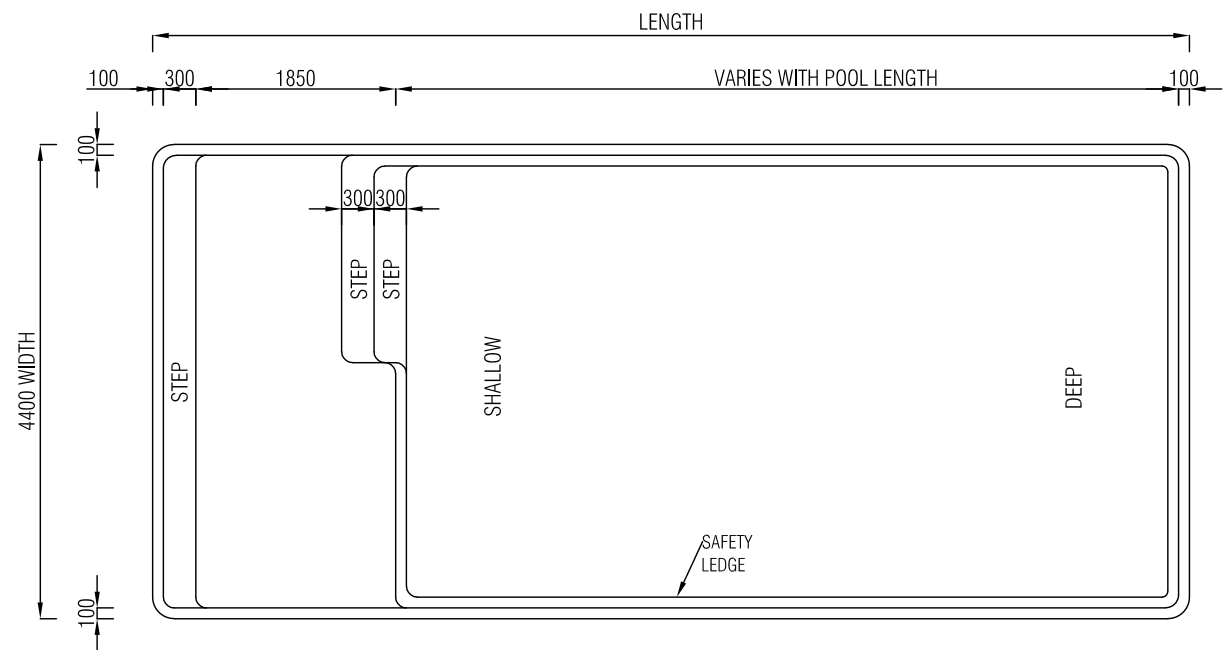


**ALTERNATIVE FOR PAVERS**  
N.T.S

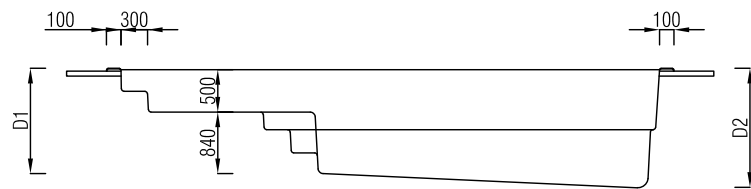
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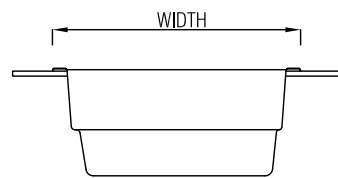
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|---|-------------|----|------|-----------------------------------|-------|-------|-----------------------------|------------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---------|--|--|--|
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| PRELIMINARY DRAWINGS  |             |    |      | GAB JUL 2023                      |       |       |                             | DESIGNED: RAB JUL 2023       |  |  |  | DRAWN: GAB JUL 2023   |  |  |  | PO Box 1671<br>Browns Plains BC, QLD, 4118<br>Phone: 07 3800 0973<br>Fax: 07 3800 1860 |  |  |  | TITLE: Amalfi Range                        |  |  |  |         |  |  |  |
| REV   | DESCRIPTION | BY | DATE | DRAWING NAME                      | TITLE | SCALE | ORIGINAL DRAWING SIZE at A3 | DRAWING NUMBER: 19-19046-S23 |  |  |  | REV: -  |  |  |  |  |  |  |  |  |  |  |  |         |  |  |  |



**PLAN**  
N.T.S



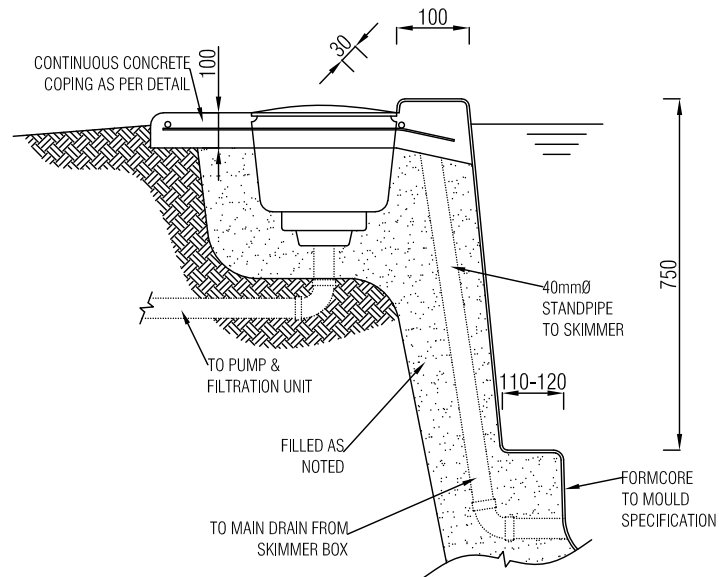
**ELEVATION**  
N.T.S



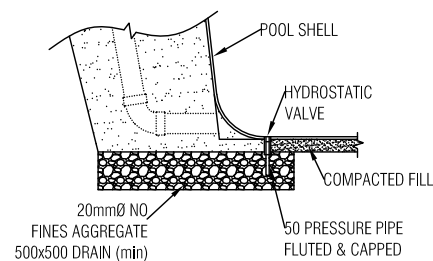
**SECTION**  
N.T.S

| SUNSEEKER POOL RANGE |        |       |                |                |
|----------------------|--------|-------|----------------|----------------|
| POOL                 | LENGTH | WIDTH | MIN DEPTH (D1) | MAX DEPTH (D2) |
| SUNSEEKER 7.6        | 7600   | 4400  | 1340           | 1700           |
| SUNSEEKER 10.2       | 10200  | 4400  | 1340           | 1930           |

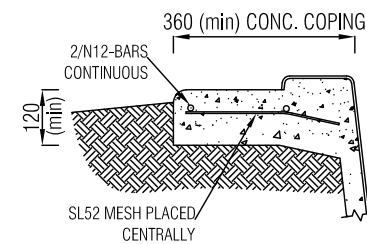
\* All measurements are mm.



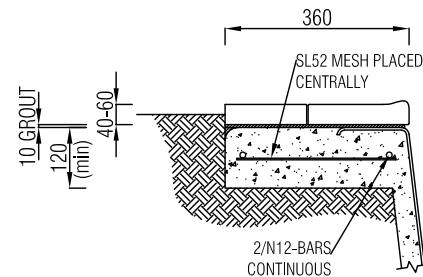
**SKIMMER BOX DETAIL**  
N.T.S



**HYDROSTATIC VALVE DETAIL**  
N.T.S



**CONCRETE COPING DETAIL**  
N.T.S \* Concrete paving beside coping shall not be fixed to pool coping.

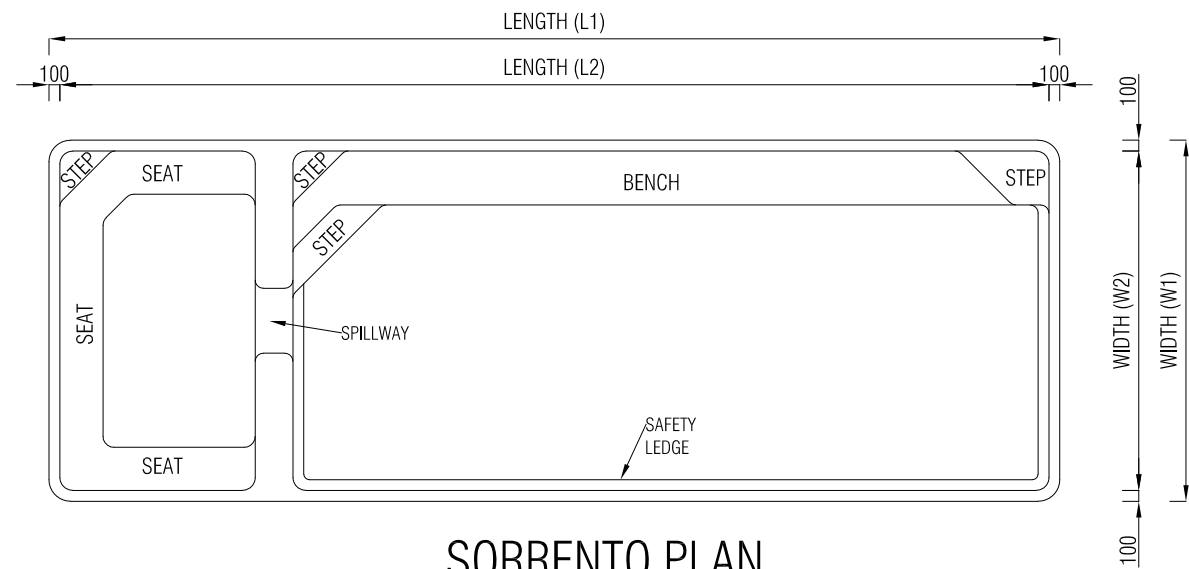


**ALTERNATIVE FOR PAVERS**  
N.T.S

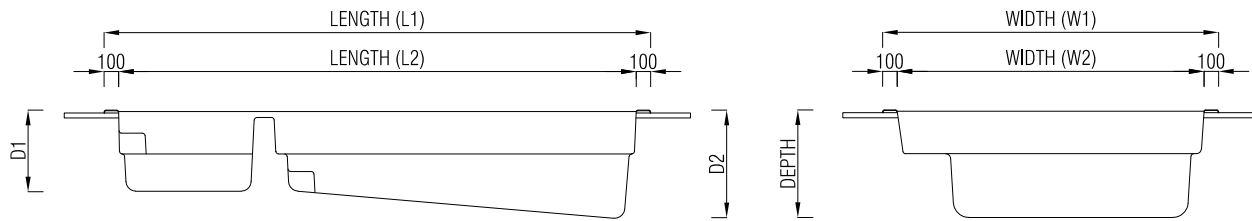
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|----------------------|--|--|--|----------------------------|--|--|--|-----------------------------------|--|--|--|---|--|--|--|-----------------------|--|--|--|--|--|--|--|--|--|--|--|
| PRELIMINARY DRAWINGS |  |  |  | GAB JUL 2023               |  |  |  | DO NOT SCALE FROM THESE DRAWINGS. |  |  |  | APPROVED: 04 JUN 2024                   |  |  |  | Consulting Engineers  |  |  |  | Barrier Reef Pools Perth               |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| DESCRIPTION          |  |  |  | BY DATE DRAWING NAME TITLE |  |  |  | RPEQ 6715                         |  |  |  | DESIGNED: RAB JUL 2023                  |  |  |  | ACN: 108 898 433      |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | TITLE: Sunseeker Range                     |  |  |  |
| REV                  |  |  |  |                            |  |  |  | DRAWN: GAB JUL 2023               |  |  |  | SCALE: AS SHOWN                         |  |  |  | ABN: 42 108 898 433   |  |  |  | DRAWING NUMBER: 19-19046-S24           |  |  |  | REV: -                                     |  |  |  |
|                      |  |  |  |                            |  |  |  | ORIGINAL DRAWING SIZE at A3       |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118 |  |  |  | Phone: 07 3800 0973   |  |  |  |  |  |  |  |  |  |  |  |
|                      |  |  |  |                            |  |  |  |                                   |  |  |  | Fax: 07 3800 1860                       |  |  |  | www.summermore.com.au |  |  |  |  |  |  |  |  |  |  |  |



**SORRENTO PLAN**  
N.T.S.

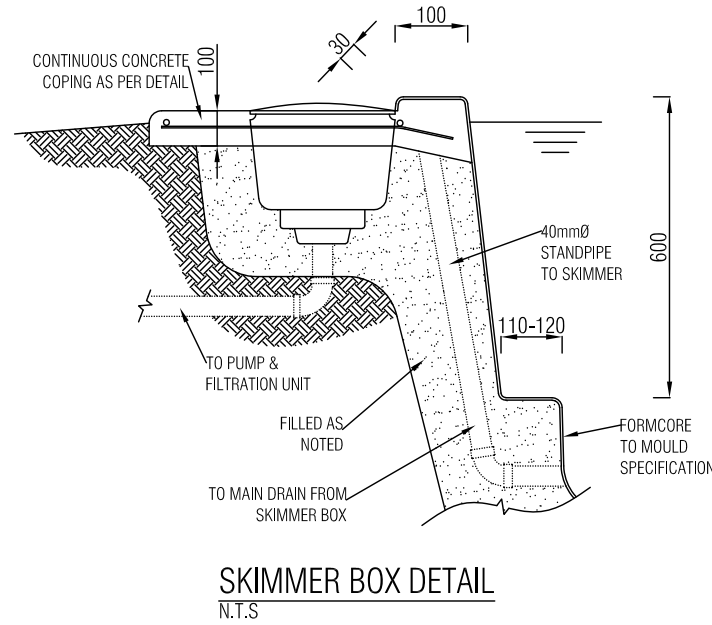


**ELEVATION**  
N.T.S.

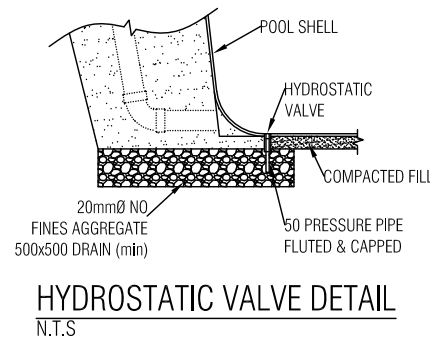
**SECTION**  
N.T.S.

| SORRENTO RANGE |             |             |            |            |                |                |
|----------------|-------------|-------------|------------|------------|----------------|----------------|
| POOL           | LENGTH (L1) | LENGTH (L2) | WIDTH (W1) | WIDTH (W2) | MIN DEPTH (D1) | MAX DEPTH (D2) |
| SORRENTO 9.1   | 9100        | 8900        | 2800       | 2600       | 1270           | 1980           |
| SORRENTO 8.1   | 8100        | 7900        | 2800       | 2600       | 1270           | 1880           |
| SORRENTO 7.1   | 7100        | 6900        | 2800       | 2600       | 1270           | 1780           |
| SORRENTO 6.1   | 6100        | 5900        | 2800       | 2600       | 1270           | 1650           |

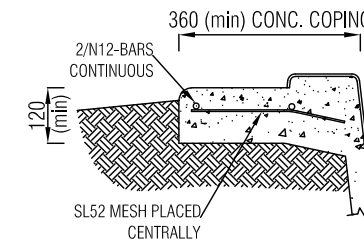
\* All measurements are mm.



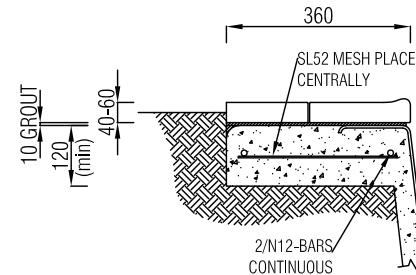
**SKIMMER BOX DETAIL**  
N.T.S.



**HYDROSTATIC VALVE DETAIL**  
N.T.S.



**CONCRETE COPING DETAIL**  
N.T.S. \* Concrete paving beside coping shall not be fixed to pool coping.



**ALTERNATIVE FOR PAVERS**  
N.T.S.

**GENERAL NOTES**

- PROVIDE A 100mm (min) THICK BEDDING LAYER OF NON-COHEISVE PERMEABLE MATERIAL (max) SIZE 12mm.
- WORK TO COMPLY WITH AS1838:2021 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS1839:2021 SWIMMING POOLS - PREMOULDED FIBRE-REINFORCED PLASTICS - INSTALLATION & THE REQUIREMENTS OF ALL THE RELEVANT STATUTORY AUTHORITIES.
- THE GRANULAR BASE SHALL BE SCREEDED & COMPACTED TO PROVIDE UNIFORM SUPPORT FOR THE SHELL. PLACE GRAVEL, PLUG, LEVEL THE POOL, HANDLING WITH A CENTRE SPREADER.
- BEDDING TO BE RAMMED BETWEEN SHELL & EXCAVATION IN LAYERS WHEN POOL HAS BEEN FILLED, COMPLETE THE SURROUND.
- THE FIBREGLASS SHELL SHALL HAVE A MINIMUM THICKNESS OF 5mm WITH 3 LAYERS OF 0.025 LBS/FT<sup>2</sup> ROVINGS.
- THE FLOOR SHALL HAVE 3 LAYERS OF CHOP STRAND FIBREGLASS.
- THE RIBS SHALL HAVE 1 LAYER OF 600gr/m<sup>2</sup>.
- ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS.
- RESIN TO GLASS RATIO 2:1 BY WEIGHT.
- GRIP RAILS & COPING TO BE 10mm (min) THICKNESS.
- CONCRETE STRENGTH TO BE N20/20/100.
- FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mmØ PVC PRESSURE PIPE & FITTINGS, FIT UP TO HYDROSTATIC VALVE, RETURN PIPES SHALL BE 50mmØ.
- NO RESPONSIBILITY WILL BE TAKEN BY THE CONSULTING ENGINEER FOR DIMENSIONS OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVERSTRESSED.
- THIS POOL IS NOT INTENDED FOR USE ON ABOVE GROUND INSTALLATIONS OR DESIGNED TO BE EMPTIED WITHOUT THE APPROVAL OF BARRIER REEF POOLS P/L.
- ALL POOLS TO HAVE 1/N12 INSIDE & OUTSIDE OF COPING ON THE LONGEST SIDE & 1/N12 EACH END.
- ALL LAPPING OF BARS TO BE 600mm (min) & TIED.
- POOLS OVER 8400mm LONG ARE TO HAVE 2/N12 BARS ON OUTSIDE OF COPING 50mm APART.
- THIS POOL IS SUITABLE FOR SOIL CLASSIFICATIONS OF 'A', 'S', 'M' & 'H1' SITES.
- FOR SOIL CLASSIFICATIONS OF 'H2' & 'E' SITES REFER TO CERTIFICATION LETTER FOR REQUIRED ADJUSTMENTS.
- ALL SOIL CLASSIFICATIONS OF 'P' SITES SHALL BE REFERRED TO AN ENGINEER.

| DRAWING REVISIONS    |  |  |  | REFERENCE DRAWINGS |  |  |  | COPYRIGHT                         |  |  |  | SIGNED APPROVAL             |  |  |  | Summermore Pty Ltd                      |  |  |  | CLIENT                                 |  |  |  | PROJECT                                    |  |  |  |
|----------------------|--|--|--|--------------------|--|--|--|-----------------------------------|--|--|--|-----------------------------|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| PRELIMINARY DRAWINGS |  |  |  | GAB JUN 2024       |  |  |  | DO NOT SCALE FROM THESE DRAWINGS. |  |  |  | APPROVED: 04 JUN 2024       |  |  |  | Consulting Engineers                    |  |  |  | Barrier Reef Pools Perth               |  |  |  | Generic Fibreglass Pool Structural Details |  |  |  |
| DESCRIPTION          |  |  |  | BY DATE            |  |  |  | TITLE                             |  |  |  | RPEQ: 6715                  |  |  |  | ACN: 108 898 433                        |  |  |  | 28 Davinci Way, Forrestdale, WA, 6112. |  |  |  | TITLE: Sorrento Range                      |  |  |  |
|                      |  |  |  |                    |  |  |  |                                   |  |  |  | DESIGNED: RAB JUN 2024      |  |  |  | PO Box 1671 Browns Plains BC, QLD, 4118 |  |  |  | DRAWING NUMBER: 19-19046-S25           |  |  |  | REV: -                                     |  |  |  |
|                      |  |  |  |                    |  |  |  |                                   |  |  |  | DRAWN: GAB JUN 2024         |  |  |  | Phone: 07 3800 0973                     |  |  |  |  |  |  |  |  |  |  |  |
|                      |  |  |  |                    |  |  |  |                                   |  |  |  | SCALE: AS SHOWN             |  |  |  | Fax: 07 3800 1860                       |  |  |  |  |  |  |  |  |  |  |  |
|                      |  |  |  |                    |  |  |  |                                   |  |  |  | ORIGINAL DRAWING SIZE at A3 |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |