

- 1. CONSTRUCTION AND INSTALLATION OF THE POOL IS TO COMPLY WITH AS/NZS 1838 & 1839 CODES FOR PRE-MOULDED POOLS AND THE REQUIREMENTS OF ALL RELEVANT STATUTORY AUTHORITIES.
- 2 THE REQUIRED FOUNDATION SAFE BEARING PRESSURE TO BE AT LEAST 90kPa: 'A'-'E' SITES REACTIVITY RANGE PER AS 2870.
- 3 PROVIDE A NOMINAL 100 THICK (200 THICK H & E SITES) BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL MAXIMUM SIZE 8mm. THE GRANULAR BASE SHALL BE SCREEDED AND THOROUGHLY COMPACTED TO PROVIDE UNIFORM SUPPORT FOR THE SHELL BASE.
- 4. PLACE A GRAVEL PIT IN THE SUB-FLOOR SECTION BENEATH THE HYDROSTATIC VALVE.
- 5. PROVIDE A MIN 900 UPVC STANDPIPE (WITH A TEE CONNECTION TO THE 65¢ UPVC, PROVIDE A SUBSOIL PERIMETER DRAIN).
- WHEN HANDLING THE POOL. PLACING IN THE EXCAVATION AND LEVELLING UP, LIFT AND HANDLE POOL WITH A CENTRE SPREADER
- 7 PROVIDE A 100mm THICK (200mm THICK H & E SITES) APPROVED. BACKFILL LAYER OF NON-COHESIVE GRADED MATERIAL OF MAX. SIZE 12mm, PRE-BLENDED WITH CEMENT.
- THE CONCRETE COPING TO BE SUPPORTED ON NATURAL GROUND OR STABILISED FILL MATERIAL IN ACCORDANCE WITH AS/NZS 1839 AND/OR PIERED DOWN TO NATURAL GROUND WITH MINIMUM 150mm Ø CONCRETE PIERS AT 1.2m CENTRES.
- THE FIBREGLASS SHELL SHALL BE LAID UP WITH A NOMINAL RESIN TO GLASS RATIO OF 1.9:1 TO A THICKNESS OF 5mm OVER 90% OF THE POOL. NO AREA IS TO BE LESS THAN 4mm AND THE COPING NO LESS
- 10. RIBBING IS TO COMPRISE OF A CORE SECTION NOT LESS THAN 3mm WITH A COVERING LAYER OF FIBREGLASS AND RESIN TO A NOMINAL GLASS TO RESIN RATIO OF 1.9:1 TO A MINIMUM THICKNESS OF 1.5mm COVERING THE RIB SECTION. THE OVERALL THICKNESS OF RIB SECTION NOT LESS THAN 7mm.
- 11. CONCRETE STRENGTH MINIMUM 20MPa AT 80mm SLUMP MAXIMUM 20mm AGGREGATE.
- 12. FILTER TO BE CONNECTED TO SKIMMER BOX AT WATER RETURN PORTS WITH MINIMUM RETURN DIAMETER 40mm UPVC PIPES & FITTINGS & SHALL COMPLY WITH AS 1926 3 WATER RETICULATION
- 13. POOL EMPTYING NOTES: THE POOL OWNER IS TO NOTIFY THE MANUFACTURER BEFORE ATTEMPTING TO EMPTY OR PARTLY EMPTY POOL WATER BELOW THE SKIMMER BOX, NO RESPONSIBILITY FOR DAMAGE TO THE POOL WILL BE ACCEPTED BY THE MANUFACTURER, THE MANUFACTURER'S AGENT OR THE ENGINEER.
- 14 POOL FENCING & SAFETY SHALL COMPLY WITH THE FOLLOWING STANDARDS: AUSTRALIAN CODES AS1926.1 SAFETY BARRIERS FOR SWIMMING POOLS & AS1926.2 AUSTRALIAN STANDARD FOR LOCATION OF SAFETY BARRIERS FOR SWIMMING POOLS.

ENSURE ALL DIG DEPTHS AND LEVELS ARE CORRECT TO MAINTAIN THE REQUIRED POOL FINISH HEIGHT. IF THE HOLE HAS BEEN DUG TOO DEEP YOU MAY CORRECT THIS WITH BEDDING MATERIAL

"WHERE OVER-EXCAVATION OCCURS UNDER THE POOL, THE ADDITIONAL BASE FILL SHALL BE STABILISED AND THOROUGHLY COMPACTED PRIOR TO THE INSTALLATION OF THE BEDDING MATERIAL"

- ALL APPROVED DRAWINGS FOR CERTIFICATION MUST BEAR ORIGINAL 'BLUE' SIGNATURE BY ESEN ENGINEERING PTY LTD.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE RELEVANT

PROJECT

GLIENT

STRUCTURAL

DETAILS & SPECIFICATIONS

FOR CONSTRUCTION

SYMPHONY - 9.3m

REV

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EXTERNAL POOL DIMENSIONS ARE COPING TO COPING.

11.11.19

DATE

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