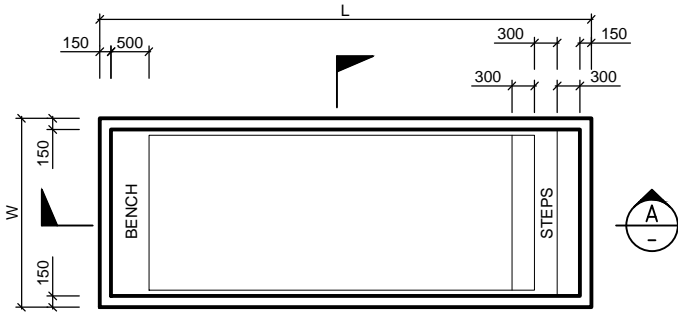
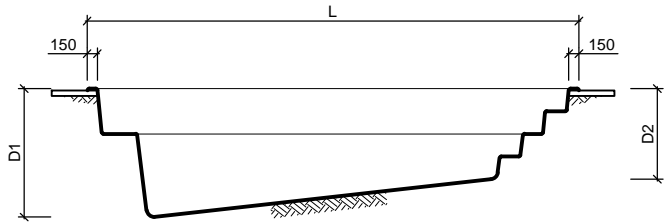


# DAVINCI RANGE

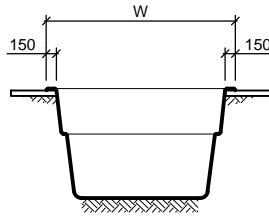
LENGTH (L)	WIDTH (W)	MAX. DEPTH (D1)	MIN. DEPTH (D2)
3.5	2.5	1.40	1.20
4.5	2.5	1.50	1.20
5.5	2.5	1.60	1.20
6.5	2.5	1.70	1.20



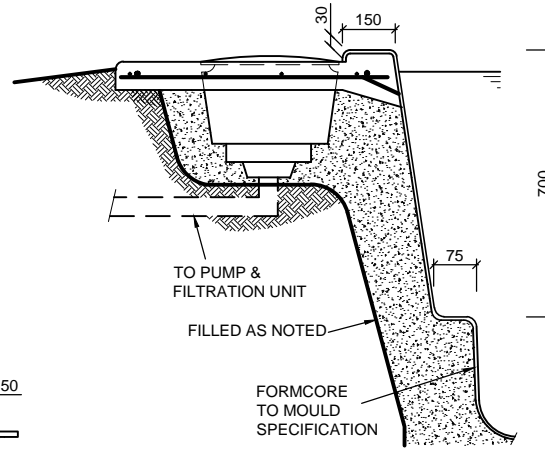
**DAVINCI POOL PLAN**  
NTS



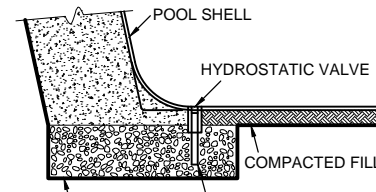
**SECTION A**  
NTS



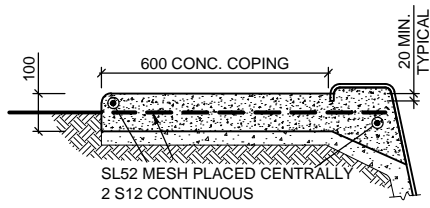
**SECTION B**  
NTS



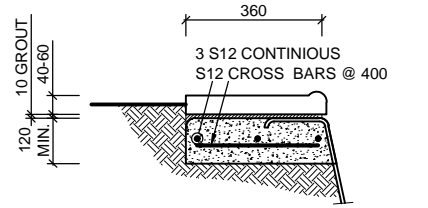
**SKIMMER BOX DETAIL**  
NTS



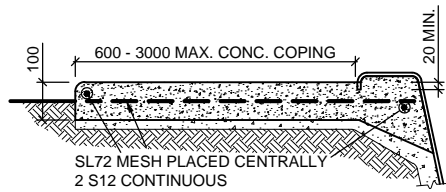
**HYDROSTATIC VALVE DETAIL**  
NTS



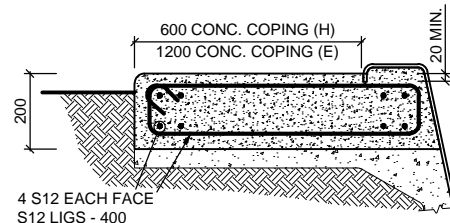
**CONCRETE COPING DETAIL**  
NTS  
A, S & M SOIL TYPES ONLY



**ALTERNATIVE FOR PAVERS**  
NTS  
A, S & M SOIL TYPES ONLY



**EXTENDED COPING DETAIL**  
NTS  
A, S & M SOIL TYPES ONLY



**CONCRETE COPING DETAIL**  
NTS  
H & E SOIL TYPES

THIS POOL IS NOT INTENDED FOR USE ON ABOVE GROUND INSTALLATIONS OR DESIGNED TO BE EMPTIED WITHOUT THE APPROVAL OF MASTER BUILT POOLS

NOTE:  
 A. ALL LAPS ARE TO BE 600mm & TIED.  
 B. FOR SOIL CLASS A, S & M SITES (AS 2870) POOLS OVER 8400mm LONG ARE TO HAVE 2 / S12 BARS ON OUTSIDE OF COPING 50mm APART  
 C. CONCRETE PAVING BESIDE COPING SHALL NOT BE FIXED TO POOL COPING

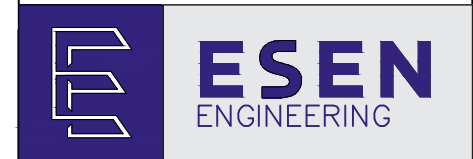
**NOTES:**  
 REQUIRED ALLOWABLE BEARING PRESSURE TO BE AT LEAST 90 KPa & P.I. LESS THAN 60%. THIS POOL SHELL SHALL NOT BE USED IN CLASS P SOILS.  
 PROVIDE A 100mm MIN. THICK BEDDING LAYER OF NON-COHESIVE PERMEABLE MATERIAL MAX. SIZE 12 WORK TO COMPLY WITH AS1838 SAA PREMOULDED REINFORCED PLASTIC SWIMMING POOLS & AS 1839-1994 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 600 gr/m<sup>2</sup> ROVINGS OVER RIBS FORMS & LAMINATED TO POOL WALLS. RESIN TO GLASS RATIO 2.25 : 1 BY WEIGHT. GRIP RAILS & COPING TO BE 10mm MIN. THICKNESS.  
 COPING CONCRETE STRENGTH = N20 AT 80mm SLUMP MAX. 20mm NO FINES AGGREGATE. FILTER TO BE CONNECTED TO SKIMMER BOX & WATER RETURN PORTS WITH 40mm DIA. PVC PRESSURE PIPE & FITTINGS & SHALL COMPLY WITH AS 1926.3 WATER RETICULATION SYSTEMS. FIT UP TO HYDROSTATIC VALVE. RETURN PIPES SHALL BE 50mm DIA.

FOR BUILDING APPROVAL PURPOSES THIS DRAWING IS TO BE SIGNED BY A BLUE SIGNATURE BY A REGISTERED ENGINEER FROM ESEN ENGINEERING. USE OF THIS DRAWING WITHOUT AN ORIGINAL SIGNATURE SHALL RENDER THIS DRAWING INVALID

R J SHOWERS RPEQ 1547 MIE Aust 321787 RBP VIC EC24162 ESEN ENGINEERING PTY LTD (ACN 636 547 987)			
D. COPING DETAIL	26.07.19	26.07.19	CLIENT
C. EXTENDED COPING	21.08.18	21.08.18	CLIENT
B. SAFETY LEDGE	05.02.18	05.02.18	CLIENT
A. MAIN DRAIN REMOVED	15.03.17	15.03.17	CLIENT
O. FIRST ISSUE	18.03.14	18.03.14	CLIENT
REVISION	DATE	ISSUE	TO

CLIENT  
**MASTER BUILT POOLS**  
 PO BOX 412 ADMIN@MASTERBUILTPOOLS.COM.AU  
 CAMDEN NSW 2570 PH (02) 4647 6776

TITLE  
**STRUCTURAL DETAILS  
 DAVINCI POOL RANGE**



CIVIL AND STRUCTURAL ENGINEERS

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 E: info@esenengineering.com ROBINNA, QLD 4226

SCALE	DRAWN	DESIGNED
AS SHOWN	BPC/NL	RJS
DATE	DRAWING NO.	REV
FEB '20	20108/07	D