

SWIMMING POOL NOTES:

SP01. POOL LOCATION:

CUSTOMERS MUST SATISFY THEMSELVES TO THE CORRECT LOCATION OF THE POOL, SET OUT PEGS PRIOR TO THE COMMENCEMENT OF THE EXCAVATION,

SP02. DIMENSIONS:

FIGURED DIMENSIONS ARE TO BE TAKEN IN PREFERENCE TO SCALE.

SP03. FOUNDATIONS:

- 1. TO BE NATURALLY OCCURRING MATERIAL CAPABLE OF BEING EXCAVATED TO A VERTICAL FACE AND OF MINIMUM SAFE BEARING CAPACITY OF 500kPa.
- 2. UNDERSIDE OF THE CONCRETE FLOOR TO BE SEPARATED FROM THE UNDERLYING MATERIAL BY A LAYER OF APPROVED MEMBRANE – 250µm MIN OR SIMILAR,

SP04. REINFORCEMENT:

- 1. ALL RODS TO BE GRADE 250 DEFORMED BARS IN ACCORDANCE WITH AS4671 UNLESS NOTED OTHERWISE – GRADE S,
- 2. RADIUS OF BENDS FOR COPING BARS 50mm,
- 3. RODS TO BE LAPPED A MINIMUM OF 400mm AND TO BE WIRE TIED AT EACH 2ND INTERSECTION,
- 4. REINFORCEMENT SHALL HAVE THE FOLLOWING CLEAR COVER OF CONCRETE;
 - 4.1. WALLS AND STEPS 50mm INSIDE FACE,
 - 4.2. FLOORS AND COPING 50mm TO TOP OF CONC, WIDTH OF COPING FINISH IS APPROX,
 - 4.3. EARTH FACES 65mm,
 - 4.4. FORMWORK FACES 40mm,
 - 4.5. WHERE COPING IS MORE THAN 300mm ABOVE NATURAL GROUND LEVEL, THE HORIZONTAL REINFORCEMENT IS TO BE INCREASED TO S12–200 FOR A DISTANCE OF 400mm BELOW NATURAL GROUND LEVEL,
- 5. HORIZONTALS ABOVE GROUND LEVEL:
 - 5.1. 25MPa CONCRETE S12–150
 - 5.2. 32MPa & ABOVE S12–150,
- 6. RADIUS OF BEND FOR COPING BARS 50mm,
- 7. REINFORCEMENT IS BE CHAIRED TO PREVENT MOVEMENT DURING PLACEMENT OF CONCRETE, AND MAINTAIN CLEAR COVER AS SPECIFIED IN 4.
 - 7.1. CONE CHAIRS ARE NOT TO BE USED AGAINST FORM,
 - 7.2. FLOOR TO BE CHAIRED AT 600 INTERSECTIONS,

SP05. CONCRETE:

- 1. MATERIALS AND WORKMANSHIP GENERALLY TO CONFIRM TO THE REQUIREMENTS OF AS3600 & AS2783,
- 2. CONCRETE DESIGN STRENGTH (f'c) TO BE 25MPa AT 28 DAYS, UNLESS OTHERWISE STATED,
- 3. CONCRETE TO BE PNEUMATICALLY PLACED PREFERABLY IN A SINGLE UNINTERRUPTED OPERATION. SHOULD A BREAKDOWN OF PLANT OCCUR THE CONSULTING ENGINEERS MUST BE NOTIFIED IMMEDIATELY.

SP06. CONCOURSE:

- 1. ONLY OPEN TYPE OR GLASS PANEL FENCING TO 1.2m HIGH MAY BE SUPPORTED OFF CONCOURSE AS DESIGNED. ALL FENCING TO BE IN ACCORDANCE WITH AS1926.1 & AS1926.2 AND THE ERECTION OR ALTERATION TO BE THE RESPONSIBILITY OF THE APPLICANT. THE FENCING IS PART OF THE APPLICATION,
- 2. SPIGOTS ARE TO BE CORED NO CLOSER THAN 170mm FROM STRUCTURAL EDGE OF COPING,
- 3. THE POOL SHELL IS DESIGN IN ISOLATION, NO FITMENTS, OR LOADING TO BE PLACES ON CONCOURSE OR POOL SHELL WITHOUT THE EXPRESS PERMISSION OF CRYSTAL POOLS,
- 4. ANY PAVING LAID ADJACENT TO POOL COPING MUST HAVE 15mm WIDE CONSTRUCTION OR EXPANSION JOINTS. IF PAVING LAID IN MORTAR, EXPANSION JOINT MUST BE INSERTED BETWEEN PAVING & POOL COPING. LEAVE 3mm GAPS BETWEEN PAVERS LAID ON SAND,
- 5. POOL HAS BE DESIGNED TO MAINTAIN A CONSTANT 100mm FREEBOARD, OVERFILLING OF THE POOL WILL RESULT IN SATURATION OF THE TILE BED AND RISK DELAMINATING COPING FINISHES.

SP07. EMPTYING POOL:

POOL TO BE EQUIPPED WITH HYDROSTATIC PRESSURE RELIEF VALVE TO SAFEGUARD AGAINST EXTERNAL WATER PRESSURE WHEN POOL IS EMPTY. DESPITE THIS PROVISION THE APPROVAL OF CRYSTAL POOLS MUST BE OBTAINED BEFORE EMPTYING THE POOL

SP08. DIVING:

THIS POOL IS NOT DESIGN FOR DIVING.

.	.	.	.
.	.	.	.
.	.	.	.
A	10.03	ISSUED FOR CONSTRUCTION	CMF
REV.	DATE	AMENDMENT	DRAWN

Consulting Engineer:



Innovative Building Systems Australia Pty Ltd

14 Monterey Parade, Ermington Heights NSW 2115
ACN: 44 124 486 497 Ph: (02) 9804 8725 www.ibsaust.com.au

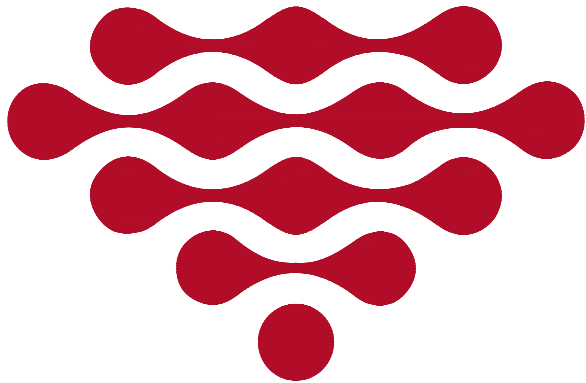
APPROVED

Christiaan Fitzsimon

DATE

10.03.2021

CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546



CRYSTAL
POOLS

For: NARELLE WARREN

: 0403 980 720

At: 92 KING STREET,
MANLY VALE NSW 2093

BUILDER'S COPY

I/WE AGREE THAT THE SIZE, SHAPE, DEPTH AND LOCATION OF THE POOL, TOGETHER WITH LOCATION OF THE ACCESSORIES AND FILTER AS SHOWN HEREON ARE IN ACCORDANCE WITH MY/OUR REQUIREMENTS.

Signed:.....Date:.....

Signed:.....Date:.....

Name(s):.....

RETURN COPY



CRYSTAL POOLS
Australia's most experienced swimming pool builder

1 CENTRAL AVENUE THORNLEIGH NSW 2120

(02) 9875 4555 | SALES@CRYSTALPOOLS.COM.AU

PO BOX 271 PENNANT HILLS NSW 1715

DATUM: FFL OF HOUSE RL 15.00

TOP OF POOL STRUCTURAL, RELATIVE TO DATUM, ALLOW 30mm FOR PAVER: LEVEL FPL 15.00

TOP OF POOL STRUCTURE	A	+1200	RL	.
RELATIVE TO APPROX.	B	+1200	RL	.
NATURAL GROUND LEVELS	C	+1200	RL	.
	D	+1200	RL	.



THIS DRAWING IS SUBJECT OF COPYRIGHT AND MAY NOT BE USED OR REPRODUCED EITHER IN WHOLE OR PART WITHOUT THE EXPRESS PERMISSION OF THE OWNER
CRYSTAL POOLS P/L.
JANUARY 2021

DATE

10.03.2021

JOB NUMBER

14419

DWG No.

P01

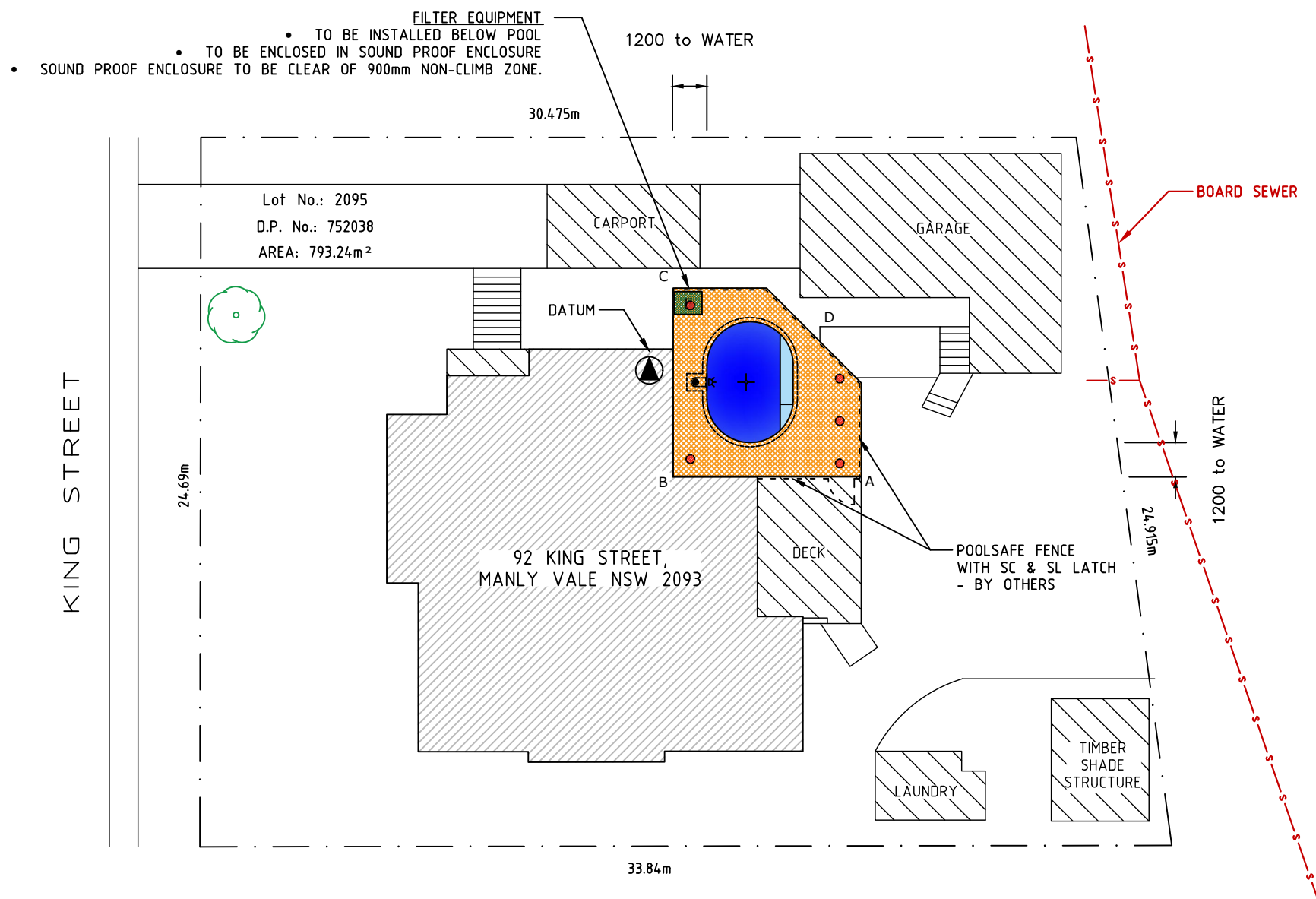
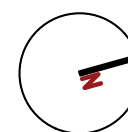
REV.

A



THIS DRAWING IS SUBJECT OF COPYRIGHT
AND MAY NOT BE USED OR REPRODUCED
EITHER IN WHOLE OR PART WITHOUT THE
EXPRESS PERMISSION OF THE OWNER
CRYSTAL POOLS P/L. JANUARY 2021

POOL VOLUME = 15,408 L



SITE PLAN

SCALE 1:200

•	•	•	•
•	•	•	•
•	•	•	•
A	10.03	ISSUED FOR CONSTRUCTION	CMF
REV.	DATE	AMENDMENT	DRAWN

Consulting Engineer:



Innovative Building Systems Australia Pty Ltd

14 Monterey Parade, Ermington Heights NSW 2115
ACN: 44 124 486 497 Ph: (02) 9804 8725 www.ibsaust.com.au

APPROVED

Christiaan Fitzsimon

DATE

10.03.2021

CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546



CRYSTAL POOLS

Australia's most experienced swimming pool builder

1 CENTRAL AVENUE THORNLEIGH NSW 2120

(02) 9875 4555 | SALES@CRYSTALPOOLS.COM.AU

PO BOX 271 PENNANT HILLS NSW 1715

PROPOSED SWIMMING POOL

FOR: NARELLE WARREN

#: 0403 980 720

AT: 92 KING STREET,
MANLY VALE NSW 2093

DATE

10.03.2021

JOB NUMBER

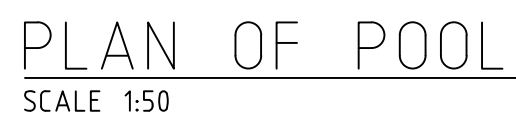
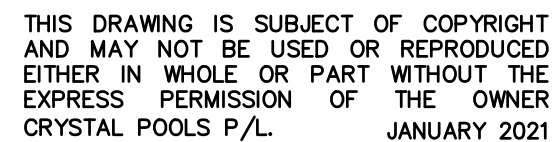
14419

DWG No.

P02

REV.

A

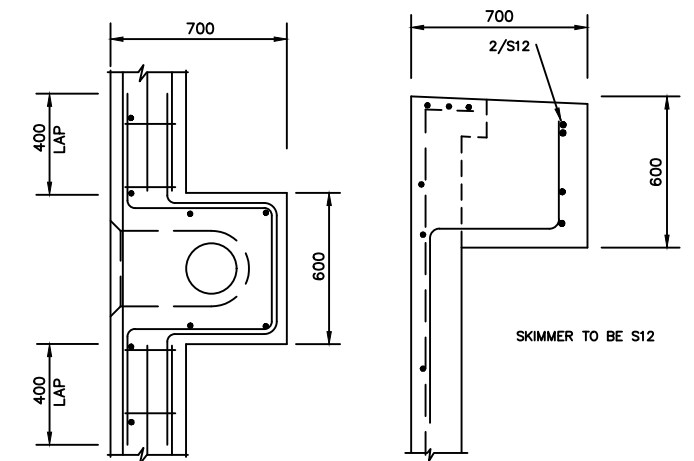


NOTES:

1. EVEN BEARING ASSUMED THROUGHOUT UNLESS NOTED OTHERWISE. ANY VARIATION CHECK WITH ENGINEER.

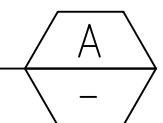
EQUIPMENT LIST

FILTER	-	PC200
PUMP	-	SF750
CHEMICAL CONTROLLER	-	EQ25 pH + ORP
CIRCULATION	-	2 RTP's
LIGHTS	-	2 x UNDERWATER LIGHTS



<u>SECTIONAL PLAN</u>	<u>SECTION</u>
	
	
	
	
	
	

DETAIL



NOTES:

1. SKIMMER BOX
2. SKIMMER TO COMPLY WITH AS1926.3

No. S Bar =	81 S
No. N Bar =	12 N
Volume of Pool =	15,408 L
Concrete Volume =	14.57 m3
Concrete Strength =	32 MPa

DATUM: FFL OF HOUSE RL 15.00

TOP OF POOL STRUCTURAL, RELATIVE TO DATUM, ALLOW 30mm FOR PAVER:		LEVEL	
		FPL 15.00	
TOP OF POOL STRUCTURE	A	+1200	RL .
RELATIVE TO APPROX.	B	+1200	RL .
NATURAL GROUND LEVELS	C	+1200	RL .
	D	+1200	RL .

.	.	.	.
.	.	.	.
.	.	.	.
A	10.03	ISSUED FOR CONSTRUCTION	CMF
REV.	DATE	AMENDMENT	DRAWN

Consulting Engineer:



Innovative Building Systems Australia Pty Ltd
14 Monterey Parade, Ermington Heights NSW 2115
ACN: 44 124 486 497 Ph: (02) 9804 8725 www.ibsaust.com.au

APPROVED  DATE 10.03.2021
CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546



1 CENTRAL AVENUE THORNLEIGH NSW 2120
(02) 9875 4555 | SALES@CRYSTALPOOLS.COM.AU
PO BOX 271 PENNANT HILLS NSW 1715

PROPOSED SWIMMING POOL

FOR: NARELLE WARREN

#: 0403 980 720

AT: 92 KING STREET,
MANLY VALE NSW 2093

DATE
10.03.2021

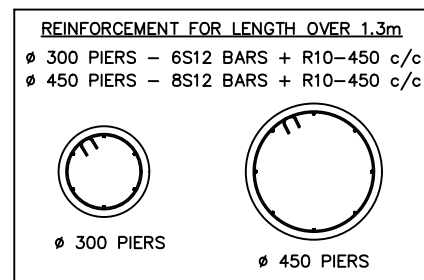
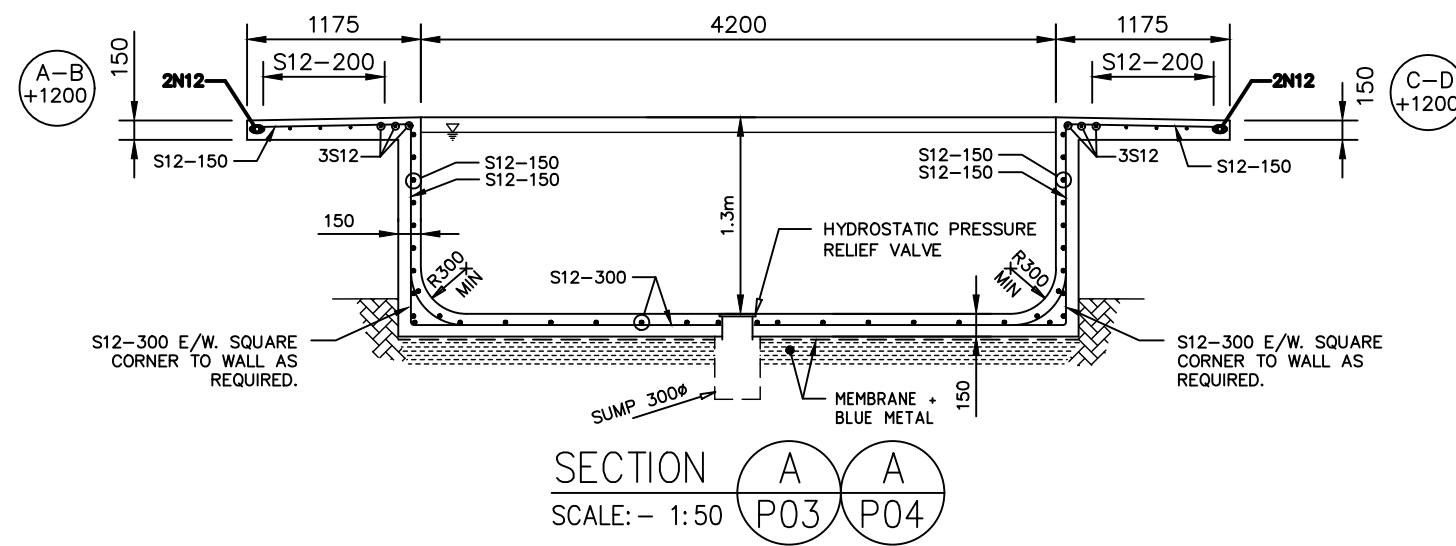
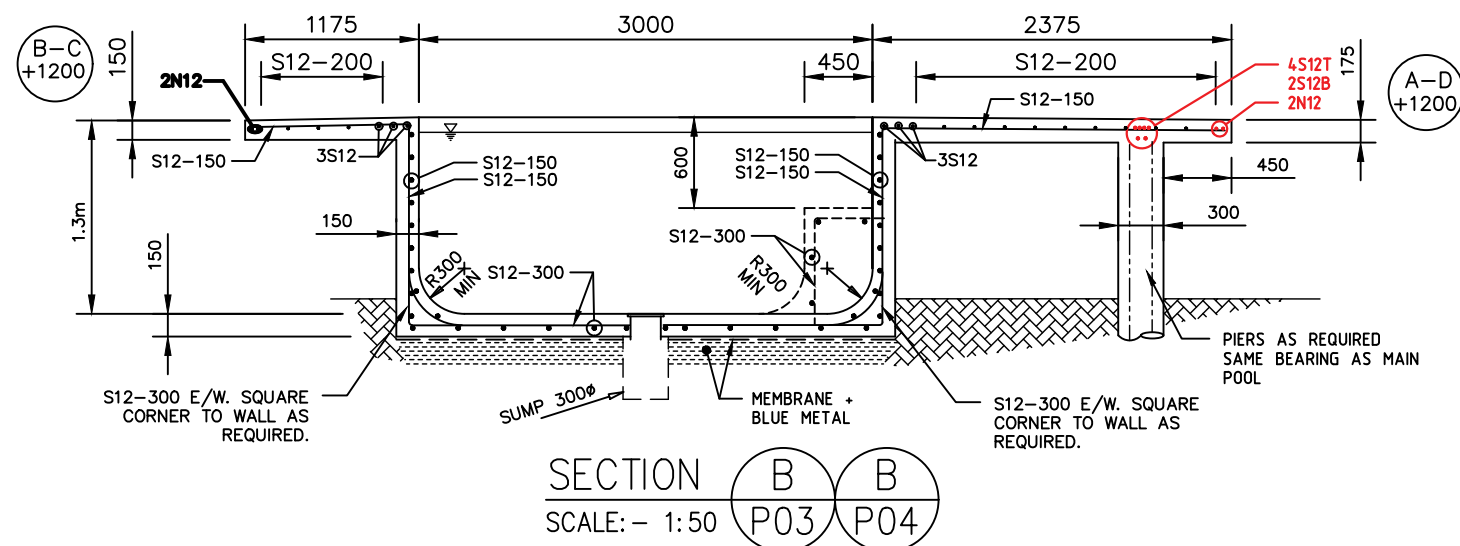
JOB NUMBER
14419

DWG No.
P03

REV. A



THIS DRAWING IS SUBJECT OF COPYRIGHT
AND MAY NOT BE USED OR REPRODUCED
EITHER IN WHOLE OR PART WITHOUT THE
EXPRESS PERMISSION OF THE OWNER
CRYSTAL POOLS P/L. JANUARY 2021



NOTE:
FOR COPINGS OF WIDTH GREATER THAN 300mm
NOTE THAT POSITION OF THE HORIZONTAL REINFORCEMENT
CHANGES TO THE OUTSIDE OF THE VERTICAL
REINFORCEMENT

DATUM: FFL OF HOUSE RL 15.00			
TOP OF POOL STRUCTURAL, RELATIVE TO DATUM, ALLOW 30mm FOR PAVER:		LEVEL FPL 15.00	
TOP OF POOL STRUCTURE RELATIVE TO APPROX. NATURAL GROUND LEVELS	A	+1200	RL .
	B	+1200	RL .
	C	+1200	RL .
	D	+1200	RL .

REV.	DATE	AMENDMENT	DRAWN
A	10.03	ISSUED FOR CONSTRUCTION	CMF

Consulting Engineer: Innovative Building Systems Australia Pty Ltd

14 Monterey Parade, Ermington Heights NSW 2115
ACN: 44 124 486 497 Ph: (02) 9804 8725 www.ibsaust.com.au

APPROVED DATE 10.03.2021

CHRISTIAAN FITZSIMON BSc BE MIEAust # 987546

IBS AUSTRALIA Innovative Building Systems

CRYSTAL POOLS
Australia's most experienced swimming pool builder

1 CENTRAL AVENUE THORNLEIGH NSW 2120

(02) 9875 4555 | SALES@CRYSTALPOOLS.COM.AU

PO BOX 271 PENNANT HILLS NSW 1715

PROPOSED SWIMMING POOL

FOR: NARELLE WARREN

#: 0403 980 720

AT: 92 KING STREET,
MANLY VALE NSW 2093

DATE	10.03.2021
JOB NUMBER	14419
DWG No.	P04
REV.	A