

danmor
CONSULTING ENGINEERS

1.01 TECHNICAL SPECIFICATIONS OR SPECIFIC INSTRUCTIONS ON DRAWINGS TAKE PRECEDENCE OVER THESE NOTES.

1.02 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. CONSTRUCTION FROM THESE DRAWINGS, AND THEIR ASSOCIATED CONSULTANTS' DRAWINGS, IS NOT TO COMMENCE UNTIL APPROVED BY THE LOCAL AUTHORITIES AND UNTIL THE DRAWINGS ARE "ISSUED FOR CONSTRUCTION" CLIENT TO CONTACT DANMOR CONSULTING PRIOR TO COMMENCING ON SITE TO HAVE THE DRAWINGS CHECKED AND ISSUED FOR CONSTRUCTION.

1.03 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.

1.04 ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

1.05 DURING CONSTRUCTION THE STRUCTURE, AND ANY ASSOCIATED EXCAVATIONS, SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.

1.06 UNLESS NOTED OTHERWISE, ALL DIMENSIONS ARE IN MILLIMETRES (mm) AND ALL LEVELS ARE IN METRES (m) TO AUSTRALIAN HEIGHT DATUM (AHD).

1.07 ALL ABBREVIATIONS ARE IN ACCORDANCE WITH AS 1100. ADDITIONAL ABBREVIATIONS USED ARE AS FOLLOWS:

NSOP	NOT SHOWN ON PLAN
NSOE	NOT SHOWN ON ELEVATION
UNO	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE
GL	GROUND LINE
FFL	FINISHED FLOOR LEVEL

2.01 THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT STANDARDS AUSTRALIA CODES AND LOCAL GOVERNMENT ORDINANCES FOR THE FOLLOWING LOADINGS. REFER TO ARCHITECTURAL DRAWINGS FOR PROPOSED FLOOR USAGE.

FLOOR USAGE	SUPERIMPOSED DEAD LOADS (kPa)	LIVE LOAD (kPa)
RESIDENTIAL		
- INTERNAL	0.50	1.5
- WET AREAS	1.00	1.5
- BALCONIES	0.50	2.0

REGIONAL WIND SPEED: $V_R = 46 \text{ m/s}$
ANNUAL PROBABILITY OF EXCEEDANCE = 1:1000
REGION: A2
TERRAIN CATEGORY: 3

ELEMENT	CLASSIFICATION
EXTERIOR CONCRETE	B1
INTERNAL CONCRETE	A1

- 3.01 ALL EXCAVATION WORK TO BE CARRIED OUT TO THE SATISFACTION OF THE GEOTECHNICAL CONSULTANT INCLUDING INSPECTION OF STRIPPING, APPROVAL OF FILL MATERIAL AND APPROVAL OF COMPACTION.
- 3.02 REFER TO THE GEOTECHNICAL REPORT FOR EXCAVATION CONDITIONS, INCLUDING NATURAL WATER LEVELS AND GROUND CONDITIONS.
- 3.03 REFER TO SURVEY DRAWINGS FOR EXISTING SERVICES AND LEVELS.
- 3.04 ALL LEVELS SHOWN ARE TO AUSTRALIAN HEIGHT DATUM.
- 3.05 V.R.C. INDICATES VERTICAL ROCK CUT, ROCK TO BE CUT NEAR VERTICAL FROM LOWER BENCH AT 90° TO 95° WITH HORIZON UNLESS NOTED OTHERWISE.
- 3.06 OVERBURDEN OCCURRING ABOVE ROCK SHALL BE BATTERED BACK AT 2:1 AS REQUIRED.
- 3.07 SITE SURFACE CONTOURS SHOWN ARE INDICATIVE ONLY. FOR TRUE SURFACE LEVELS REFER SURVEY DRAWINGS.

- 4.01 REMOVE ALL TOP SOIL INCLUDING ROOTS AND ANY OTHER ORGANIC MATTER. STORE TOP SOIL AS REQUIRED.
- 4.02 WHERE SHOWN ON THE DRAWINGS, BASE AND SAND BLINDING ARE TO BE PLACED AND COMPACTED AS SPECIFIED.
- 4.03 EXCAVATE TO THE REQUIRED FORMATION LEVEL AND PROOF ROLL FORMATION WITH 6 PASSES OF A 10 TONNE SMOOTH WHEELED ROLLER. SOFT AREAS ARE TO BE REMOVED AND REPLACED WITH SUITABLE FILL COMPACTED TO THE DENSITY NOMINATED BELOW.
- 4.04 CONTROLLED FILL MATERIAL SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL REPORT. PLACE IN MAXIMUM 150mm THICK LAYERS TO 98% STANDARD COMPACTION IN ACCORDANCE WITH AS 1289-E.1.1 MAXIMUM DEPTH OF FILL IS TO BE 400mm FOR COHESIVE FILL AND 800mm FOR GRANULAR FILL.
- 4.05 CLAY SUBGRADE FORMATION IS TO BE MAINTAINED AT OPTIMUM MOISTURE CONTENT -0, +3% PRIOR TO COVERING.

ELEMENT	BEARING PRESSURE (kPa)	SHAFT ADHESION (kPa)
WAFFLE SLAB, PAD & STRIP FOOTINGS	150	-
PILES	400	25

DRAWN: JD	DESIGNED: JK
APPROVED: DATE: 07/04/21 DANNY MORCHED B.E CIVIL M.E STRUCTURAL CPEng,MIEAust,NPER MEMB. NO. 2320868	
SCALE AT A3: 1:100 U.N.O	

PROJECT:
PROPOSED POOL
19 PHILIP ROAD
MONA VALE NSW 2103

ELEMENT	COVER (mm)		
	FORMED - EXPOSED TO WEATHER (B1)	FORMED - NOT EXPOSED TO WEATHER (A1)	NOT FORMED - CAST AGAINST GROUND
FOOTINGS & PILES	-	-	50
SLABS ON GROUND (TOP COVER)	40	20	-

CLIENT: A GRADE POOLS	ALL DIMENSIONS IN 'mm' UNLESS OTHERWISE STATED
	JOB NO. D21082
TITLE: GENERAL NOTES SHEET 1	DRAWING NO. S01

6.0 CONCRETE (CONT.)

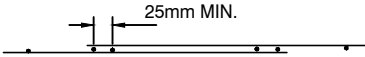
- 6.14 CONSTRUCTION SUPPORT PROPPING IS TO BE LEFT IN PLACE WHERE NEEDED TO AVOID OVERSTRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING. NO MASONRY OR PARTITION WALLS ARE TO BE CONSTRUCTED ON SUSPENDED LEVELS UNTIL ALL PROPPING IS REMOVED AND THE SLAB HAS ABSORBED ITS DEAD LOAD DEFLECTION.
- 6.15 THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL OBTAINED.
- 6.16 CONDUITS, PIPES, ETC. SHALL ONLY BE LOCATED IN THE MIDDLE THIRD OF THE SLAB DEPTH. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE COVER TO REINFORCEMENT.
- 6.17 SLABS AND BEAMS SHALL BE CONSTRUCTED TO BEAR ONLY ON THE BEAMS, WALLS, COLUMNS, ETC. SHOWN ON THE DRAWINGS. ALL OTHER BUILDING ELEMENTS SHALL BE KEPT 20mm MINIMUM CLEAR FROM SOFFITS OF STRUCTURE.
- 6.18 CONCRETE QUALITY SHOWN IN CONCRETE MIX DESIGN TABLE.

CONCRETE MIX TABLE

ELEMENT	EXPOSURE CLASSIFICATION (AS 3600)	STRENGTH (MPa) U.N.O.	
		F'c AT 28 DAYS	OTHER
FOOTINGS	A1	25	-
WALLS/COLUMNS	A1	32	-
SLABS ON GROUND	A1	25	-
INTERNAL SUSPENDED SLABS	A1	32	-
PILES	A1	25	-

7.0 REINFORCEMENT

- 7.01 REINFORCEMENTS SYMBOLS:
- S DENOTES GRADE 250 S HOT ROLLED DEFORMED BARS TO AS 4671
- N DENOTES GRADE D 500 N BARS TO AS 4671 GRADE N
- SL & RL DENOTES GRADE 250 HOT ROLLED PLAIN BARS TO AS 4671 SQUARE & RECTANGULAR MESH RESPECTIVELY
- R DENOTES GRADE 250 HOT ROLLED PLAIN BARS TO AS 4671
- W DENOTES HARD-DRAWN PLAIN WIRE TO AS 4671
- DW DENOTES COLD ROLLED RIBBED WIRE TO A.S 4671
- NUMBER OF BARS IN GROUP BAR GRADE AND TYPE
- 17N20 - 250
- NOMINAL BAR SIZE IN mm BAR SPACING IN mm
- THE FIGURES FOLLOWING THE FABRIC SYMBOL IS THE REFERENCE NUMBER FOR FABRIC TO AS 4671
- 7.02 ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1 METRE CENTRES BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS. IN EXPOSURE CONDITIONS GREATER THAN B1 USE ONLY PLASTIC CHAIRS.
- 7.03 REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.
- 7.04 SLAB REINFORCEMENT SHALL EXTEND AT LEAST 75mm ONTO MASONRY SUPPORT WALLS AND 50 PERCENT OF BOTTOM REINFORCEMENT SHALL BE COGGED TO ACHIEVE ANCHORAGE AT SIMPLY SUPPORTED ENDS.
- 7.05 SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER. LAPS SHALL BE IN ACCORDANCE THE FOLLOWING:
- FABRIC SHALL BE LAPPED SUCH THAT THE TWO OUTERMOST WIRES OF ONE SHEET OVERLAP THE TWO OUTERMOST WIRES OF THE OTHER SHEET BY 25mm MINIMUM.



A MAXIMUM OF THREE SHEETS OF FABRIC SHALL BE LAPPED AT ANY POINT.

8.0 STRUCTURAL MASONRY

- 8.01 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700 CURRENT ADDITION WITH AMENDMENTS AND OTHER RELEVANT CODES.
- 8.02 MORTAR ADMIXTURES SHALL NOT BE USED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.
- 8.03 NON LOAD BEARING WALLS SHALL BE SEPARATED FROM CONCRETE ABOVE BY 25mm GAP. PROVIDE JOINT FILLER TO THE ARCHITECTS' DETAILS.
- 8.04 NO CHASES OR RECESSES ARE PERMITTED IN LOAD BEARING MASONRY WITHOUT THE APPROVAL OF THE ENGINEER.
- 8.05 REINFORCED BRICKWORK SHALL COMPLY WITH THE FOLLOWING U.N.O.:
- (i) FILL ALL BED JOINTS AND PERPENDS WITH MORTAR EXCEPT AT WEEP HOLES.
- (ii) PROVIDE CLEAN-OUTS AT BASE OF REINFORCED CORES AND CAVITIES. REMOVE MORTAR PROTRUSIONS BEFORE CORE OR CAVITY FILLING.
- (iii) COMPACT GROUT FILLING BY RODDING OR MECHANICAL VIBRATION.
- (iv) MAXIMUM HEIGHT OF POUR FOR CAVITY FILLED WALLS TO BE 1200mm.
- 8.06 WATERPROOF REAR FACE OF RETAINING WALLS AS SPECIFIED BY THE ARCHITECT.

- 8.07 UNLESS NOTED OTHERWISE, PROVIDE VERTICAL CONTROL JOINTS AT 6.0M MAXIMUM CENTRES, AND 6.0M MAXIMUM FROM CORNERS IN ALL MASONRY WALLS U.N.O. AND AT WEAK POINTS OF THE WALL.
- 8.08 BACKFILL TO RETAINING WALLS TO BE FREE DRAINING GRANULAR MATERIAL U.N.O. PROVIDE SUBSOIL DRAIN OR WEEP HOLES.
- 8.09 ALL CAVITY CONSTRUCTION TO HAVE GALVANISED WALL TIES INSTALLED AS PER CLAUSE 3.4 AND 4.10, AS 3700.

9.0 STRUCTURAL STEELWORK

- 9.01 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS 4100 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- 9.02 UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH AS 3678 GRADE 250, OR AS 3679 GRADE 300, OR AS 1163 GRADE C350 AS APPROPRIATE.
- 9.03 TWO (2) COPIES OF WORKSHOP FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AT LEAST 7 DAYS PRIOR TO COMMENCEMENT OF FABRICATION. FABRICATION IS NOT TO COMMENCE WITHOUT ENGINEER'S APPROVAL OF WORKSHOP DRAWINGS. ALL DIMENSIONS AND SETOUTS TO BE OBTAINED FROM ARCHITECTURAL DRAWINGS WHERE NOT INDICATED ON STRUCTURAL DRAWINGS.
- 9.04 BOLT CATEGORY: COMMENTS
- 4.6/S COMMERCIAL BOLTS OF GRADE 4.6 TO AS 1111 SNUG TIGHTENED
- 8.8/S HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 SNUG TIGHTENED
- 9.05 UNLESS NOTED OTHERWISE ALL CLEAT PLATES SHALL BE MINIMUM 10mm THICK.
- 9.06 UNLESS NOTED OTHERWISE ALL BOLTS SHALL BE M20 CATEGORY 8.8/S. NO CONNECTION SHALL HAVE LESS THAN 2 BOLTS. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANISED. UNLESS NOTED OTHERWISE, ALL HOLDING DOWN BOLTS SHALL BE M20 CATEGORY 4.6/S. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANISED.

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- 9.08 FABRICATION SHALL COMPLY WITH AS 4100, SECTION 14.
- 9.09 ERECTION SHALL COMPLY WITH AS 4100, SECTION 15.
- 9.10 UNLESS NOTED OTHERWISE, ALL FILLET WELDS SHALL BE 6mm CONTINUOUS CATEGORY GP USING E41XX ELECTRODES. ALL BUTT WELDS SHALL BE COMPLETE PENETRATION BUTT WELDS CATEGORY SP TO AS 1554.1. UNLESS NOTED OTHERWISE, ALL PURLIN CLEAT WELDS SHALL BE 6mm CONTINUOUS CATEGORY GP USING E41XX ELECTRODES.
- 9.11 PROVIDE SEAL PLATES TO THE ENDS OF ALL HOLLOW SECTIONS, WITH 'BREATHER' HOLES IF MEMBERS TO BE HOT DIP GALVANISED.
- 9.12 STRUCTURAL STEELWORK NOT ENCASED IN CONCRETE SHALL HAVE THE FOLLOWING SURFACE TREATMENT IN ACCORDANCE WITH THE SPECIFICATION.

ELEMENT	SURFACE PREPARATION	PRIME COAT	SECOND COAT	THIRD COAT
ALL U.N.O	ABRASIVE BLAST CLASS 2.5	2 COATS R.O.Z.P (MIN. DRY FILM THICKNESS TO 75 MICRONS)	REFER ARCHITECT	REFER ARCHITECT
ALL EXTERNAL STEELWORK (INCL. LINTELS)	-	HOT DIP GALVANISED	REFER ARCHITECT	REFER ARCHITECT

- 9.13 THE BUILDER SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL TO STEEL AND TIMBER TO STEEL WHETHER OR NOT DETAILED IN THE DRAWINGS.
- 9.14 FREE ALL MEMBERS FROM TWISTS AND DISTORTIONS BEFORE AND AFTER WELDING.
- 9.15 ALL MEMBERS TO BE IN ONE LENGTH, UNLESS OTHERWISE APPROVED.

10.0 STRUCTURAL TIMBER

- 10.01 ALL TIMBER DESIGN, CONSTRUCTION AND MATERIAL TO BE AS 1720.1 AND AS 1720.2 U.N.O.
- 10.02 AS 1684 SHALL BE APPLIED TO DOMESTIC CONSTRUCTION BY A LICENSED CARPENTER. ADDITIONAL BEAMS/JOISTS MAY BE REQUIRED ABOVE THOSE SPECIFIED IN THESE DRAWINGS TO CARPENTERS REQUIREMENTS OR DUE TO EXISTING UNFORESEEN CONDITIONS.
- 10.03 SOFTWOOD TO BE MINIMUM GRADE F7 U.N.O. HARDWOOD TO BE MINIMUM GRADE F14.
- 10.04 EXTERNAL TIMBER TO BE EITHER HARDWOOD DURABILITY CLASS I OR CLASS II AS PER AS 1720.2 OR IMPREGNATED PINE GRADE F7, PRESSURE TREATED TO AS 1604 AND RE-DRIED PRIOR TO USE. SUPPLEMENTARY TREATMENT SHALL BE APPLIED TO ALL CUT SURFACES. SUPPLY SUPPORTING DOCUMENTATION FOR PRESERVATIVE TREATMENT.
- 10.05 TIMBER TRUSSES TO BE PRE-CAMBERED AN AMOUNT EQUAL TO DEAD LOAD DEFLECTION. THREE (3) COPIES OF SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL CLEARLY SHOWING THE DESIGN LOADS ON THE ROOF AND CEILING AND TRUSS NODE POINT LOADS AND PRECAMBER.
- 10.06 ALL BOLTS IN TIMBER CONSTRUCTION TO BE MINIMUM M12 U.N.O. BOLT HOLES TO BE DRILLED EXACT SIZE. WASHERS UNDER HEADS AND NUTS TO BE AT LEAST 2.5 TIMES BOLT DIAMETER.
- 10.07 TIMBER DIMENSIONS ON THE FINISHED WIDTH AND THICKNESS TO BE:
- (i) SEASONED SOFTWOOD: 5, -0mm
- (ii) UNSEASONED SOFTWOOD: >F7: +3, -3mm OR F7: +2, -4mm
- (iii) SEASONED HARDWOOD: +2, -0mm
- (iv) UNSEASONED HARDWOOD: +3, - 3mm (SEE ALSO CLAUSE 1.6.2 IN AS 2082)
- 10.08 ALL TIMBER JOINTS AND NOTCHES ARE TO BE 100mm MINIMUM AWAY FROM LOOSE KNOTS, SEVERE SLOPING GRAIN, GUM VEINS OR OTHER MINOR DEFECTS.

AMENDMENTS		
NO.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION CERTIFICATE	07/04/21

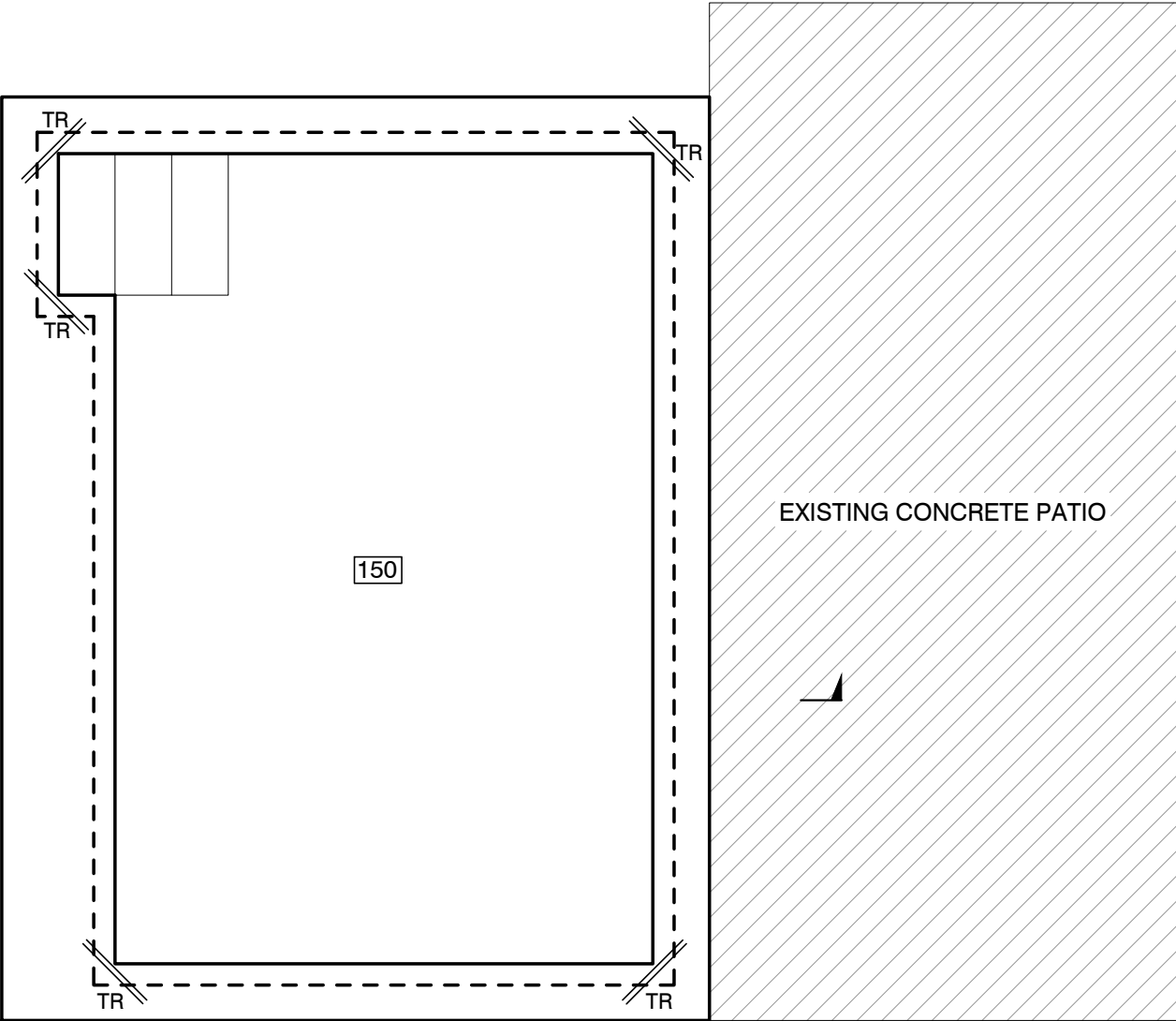
DRAWN: JD	DESIGNED: JK
APPROVED: DANNY MORCHED B.E CIVIL M.E STRUCTURAL CPEng, MIEAust, NPER MEMB. NO: 2320868	
SCALE AT A3: 1:100 U.N.O	

PROJECT:
PROPOSED POOL
19 PHILIP ROAD
MONA VALE NSW 2103

CLIENT:
A GRADE POOLS

TITLE:
GENERAL NOTES SHEET 2

ALL DIMENSIONS IN 'mm' UNLESS OTHERWISE STATED
JOB NO. D21082
DRAWING NO. S02



PROPOSED POOL PLAN

SCALE 1:50
REFER TO SECTIONS AND DETAILS
F'c= 32MPa
150 DENOTES SLAB THICKNESS
100 DENOTES SLAB STEP DOWN

TR DENOTES 2N16 TRIMMER BARS
EXTENDING 600mm PAST
CORNERS (1500 MIN. LENGTH)

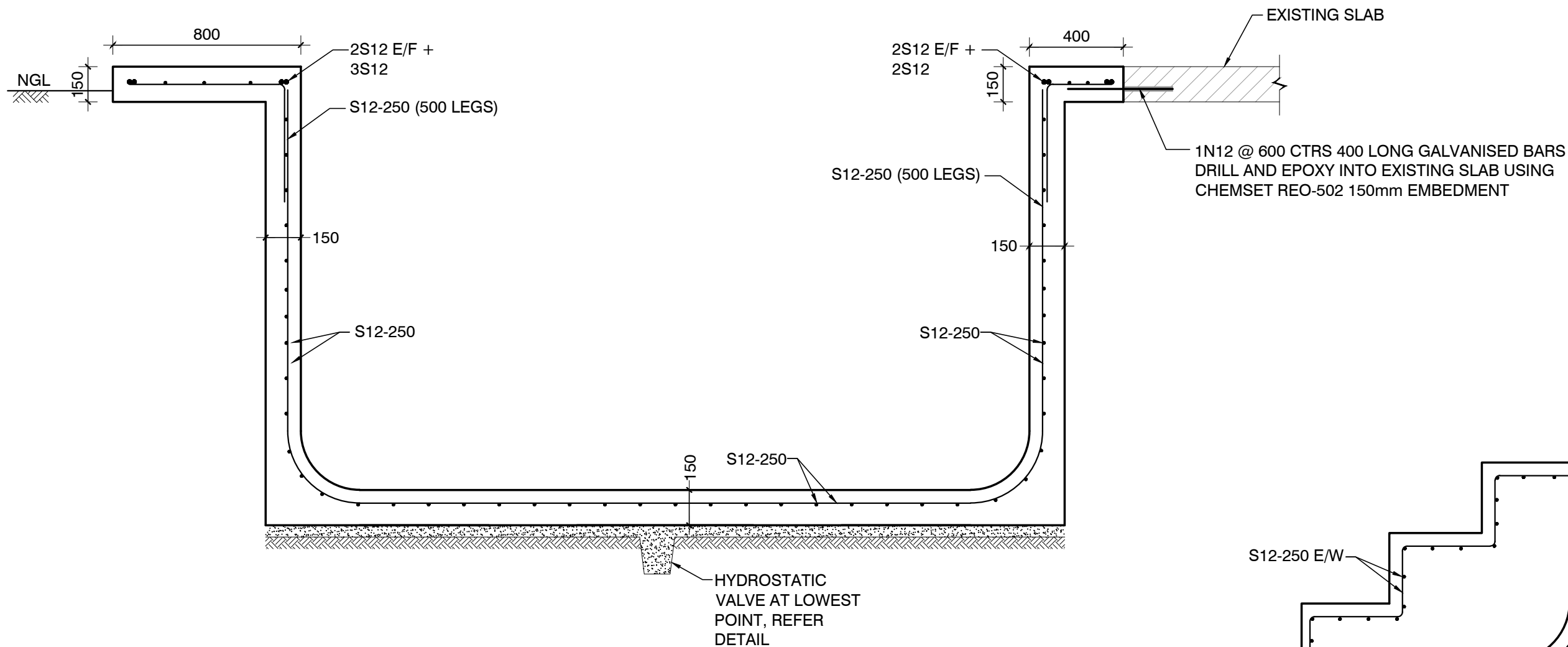
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APPROVED: DANNY MORCHED B.E CIVIL M.E STRUCTURAL CPEng,MIEAust,NPER MEMB. NO: 2320868	DATE: 07/04/21
SCALE AT A3: 1:50 U.N.O	

PROJECT:
PROPOSED POOL 19 PHILIP ROAD MONA VALE NSW 2103

CLIENT:
A GRADE POOLS
TITLE:
POOL PLAN

ALL DIMENSIONS IN 'mm' UNLESS OTHERWISE STATED
JOB NO.
D21082
DRAWING NO.
S03



CROSS SECTION AT PROPOSED POOL

SCALE 1:20

CONCRETE STRENGTH $f_c = 32 \text{ Mpa}$

NOTE: THE SECTION ABOVE IS INDICATIVE ONLY, REFER TO ARCHITECTURAL DRAWINGS FOR POOL PROFILE

TYPICAL STEP REINFORCEMENT

SCALE 1:20

CONCRETE STRENGTH $f_c = 32 \text{ Mpa}$

NOTE: THE LAYOUT ABOVE IS INDICATIVE ONLY, REFER TO ARCHITECTURAL DRAWINGS FOR LAYOUT AND NUMER OF STEPS

AMENDMENTS		
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APPROVED: DANNY MORCHED B.E CIVIL M.E STRUCTURAL CPEng, MIEAust, NPER MEMB. NO: 2320868	DATE: 07/04/21
SCALE AT A3: 1:20 U.N.O	

PROJECT:
PROPOSED POOL 19 PHILIP ROAD MONA VALE NSW 2103

CLIENT:
A GRADE POOLS
TITLE:
POOL SECTION

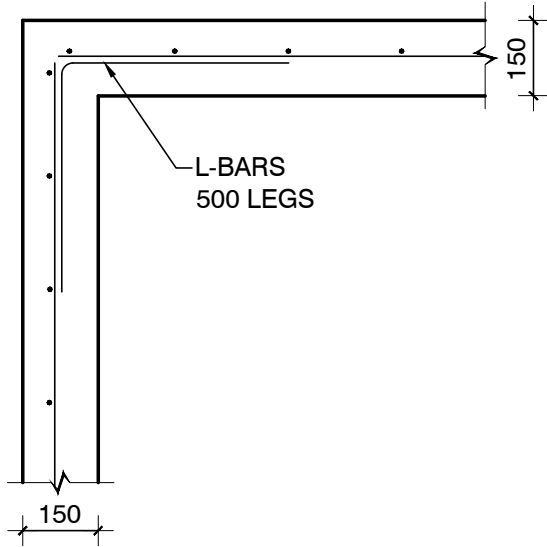
ALL DIMENSIONS IN 'mm' UNLESS OTHERWISE STATED
JOB NO. D21082
DRAWING NO. S04

SPECIFICATION

- 1. PLUMBING IS TO BE IN ACCORDANCE WITH WRITTEN RECOMMENDATIONS OF FILTER MANUFACTURERS.
- 2. WALKWAYS ARE NOT DESIGNED TO SUPPORT MASONRY WALLS UNLESS NOTED OTHERWISE
- 3. DESIGN LIVE LOAD FOR WALKWAYS AND CONCOURSES TAKEN AS 2.0 KPa

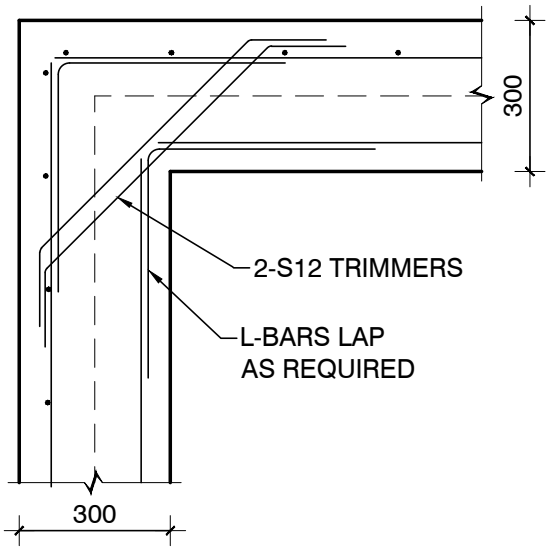
CONSTRUCTION NOTES

- 1. ALL DIMENSIONS LOCATING POOL ARE BE TAKEN FROM ARCHITECTURAL DRAWINGS
- 2. POOL DESIGN AND CONSTRUCTION TO BE IN ACCORDANCE WITH AS2783 & AS3600 AND ALL OTHER RELEVANT STANDARDS
- 3. ENGINEER TO BE ADVISED IF EXCAVATION IS IN FILL OR IF EXCESSIVE GROUND WATER IS ENCOUNTERED
- 4. SUPPORTING FOUNDATION MATERIAL TO BE STABLE NATURAL CLAY OF UNIFORM MOISTURE CONTENT WITH SAFE BEARING CAPACITY OF 150 Kpa
- 5. WHERE IT IS CONSIDERED THAT GROUND WATER CAN BUILD UP TO A LEVEL 500mm ABOVE THE FLOOR OF THE EXCAVATION ADEQUATE DRAINAGE SHALL BE PROVIDED UNDER THE POOL FLOOR
- 6. CONCRETE TO HAVE A MINIMUM DESIGN STRENGTH OF F'c 32 MPa AT 28 DAYS WITH 80mm SLUMP, CONCRETE TO BE PNEUMATICALLY APPLIED
- 7. UPON COMPLETION OF CONCRETING THE HYDROSTATIC VALVE IS TO BE CHECKED TO ENSURE EFFECTIVE AND SUFFICIENT OPERATION
- 8. PLASTIC OR NON-RUSTING CHAIRS ARE TO BE USED TO SUPPORT REINFORCEMENT AT 1000 CTRS MAX.
- 9. REINFORCEMENT IS TO BE STRUCTURAL GRADE DEFORMED BAR GRADE S250 OR D500N TO AUSTRALIAN STANDARD AS1302
- 10. WATER FACE REINFORCEMENT TO HAVE 65mm CONCRETE COVER, REAR FACE REINFORCEMENT TO HAVE 50mm COVER IF FORMED AND 65mm COVER IF SPRAYED AGAINST GROUND
- 11. ALL BARS SHALL BE SPLICED 40 BAR DIAMETERS MIN.
- 12. SPLICES IN BOND BEAM BARS SHALL BE STAGGERED
- 13. AFTER CONCRETING THE POOL IS TO BE CURED FOR A PERIOD OF 7 DAYS BY WETTING ALL CONCRETE SURFACES TWICE EACH DAY (10 DAYS CURING REQUIRED IN SUMMER).



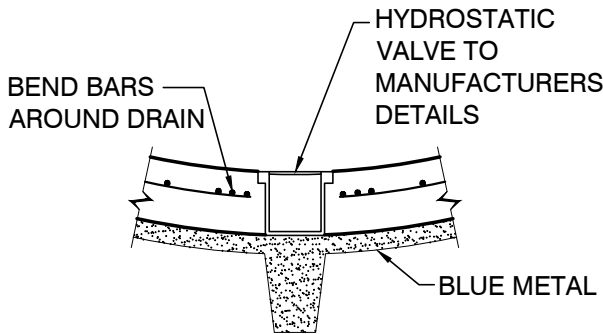
WALL CORNER DETAIL (PLAN)

SCALE 1:20



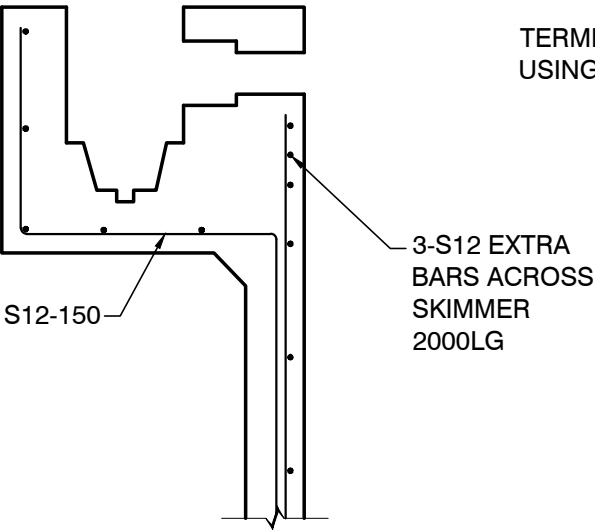
COPING CORNER DETAIL (PLAN)

SCALE 1:20



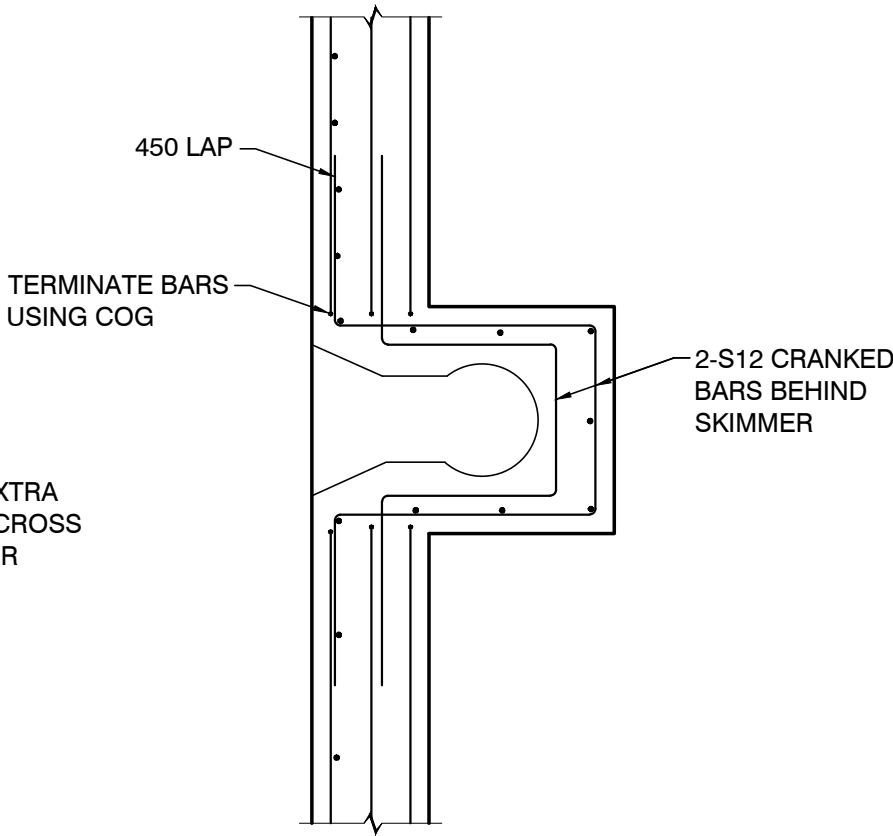
HYDROSTATIC VALVE DETAIL

SCALE 1:20



PLAN AT SKIMMER

SCALE 1:20



SECTION AT SKIMMER

SCALE 1:20

AMENDMENTS		
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DATE: 07/04/21	
SCALE AT A3: 1:20 U.N.O	

PROJECT:
PROPOSED POOL
19 PHILIP ROAD
MONA VALE NSW 2103

CLIENT:
A GRADE POOLS

TITLE:
POOL DETAILS

ALL DIMENSIONS IN 'mm'
UNLESS OTHERWISE STATED

JOB NO.
D21082

DRAWING NO.
S05