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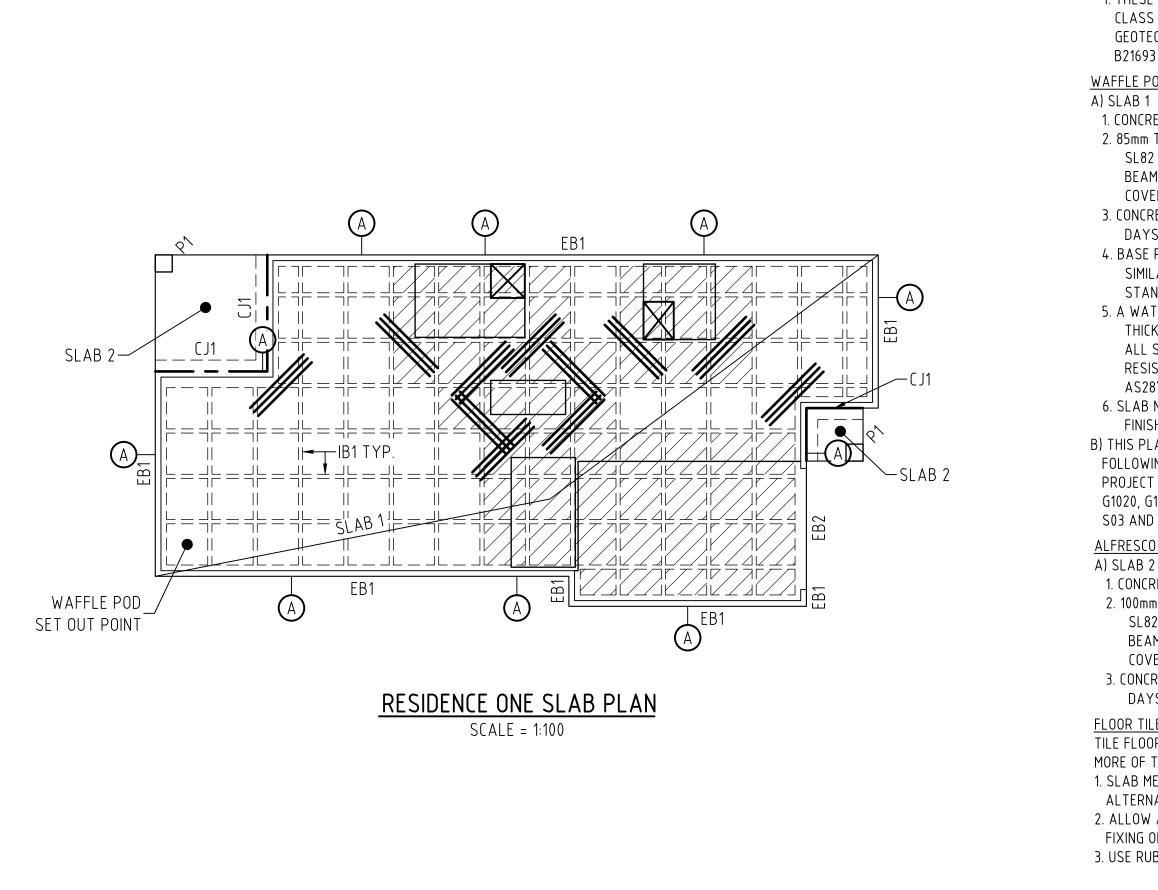
RESIDENTIAL FOOTINGS DESIGN TO AS2870-2011

Client:

LYNCH BUILDING GROUP

Project Address:

LOT 803 DAVIS CRESCENT **CAERLEON NSW 2850**



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DESIGN , PLAN , MANAGE

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RESIDENTIAL SLAB DESIGN

Site Address LOT 803 DAVIS CRESCENT CAERLEON NSW 2850 LYNCH BUILDING GROUP

Drawina Title AND NOTES Design MK Drawn MK Check RN

GEOTECHNICAL NOTES

1. THESE SLABS AND FOOTINGS HAVE BEEN DESIGNED FOR A CLASS "M" SITE AS DEFINED BY AS2870-2011, BASED UPON GEOTECHNICAL REPORT BY MACQUARIE GEOTECH, REFERENCE B21693 DATED 23/5/2023.

WAFFLE POD SLAB NOTES

1. CONCRETE EXPOSURE CLASSIFICATION = A1 TO AS2870-2011 2. 85mm THICK SLAB REINFORCED WITH ONE LAYER SL82 MESH TOP WITH 20mm COVER,

BEAM BTM REINFORCEMENT AS SPECIFIED WITH 50mm

COVER.

3. CONCRETE IS TO BE GRADE N25 (25 MPa STRENGTH AT 28 DAYS)

4. BASE PREPARATION: MIN. 100mm HARD-CORE BASE (DGB20 OR SIMILAR APPROVED) COMPACTED IN 150mm LAYERS TO 98% STANDARD. COMPACTION.

5. A WATERPROOF MEMBRANE CONSISTING OF A 0.2mm NOMINAL THICKNESS POLYETHYLENE FILM, SHALL BE PLACED UNDER ALL SLABS & BEAMS U.N.O. IT SHALL BE HIGH IMPACT RESISTANT IN ACCORD WITH CLAUSES 5.3.3.2 AND 5.3.3.3 OF AS2870-2011.

6. SLAB NOT DESIGNED FOR AN EXPOSED CONCRETE FLOOR FINISH.

B) THIS PLAN SHALL BE READ IN CONJUNCTION WITH THE FOLLOWING REFERENCE DRAWINGS WHICH FORM PART OF THE PROJECT SPECIFICATION:

G1020, G1021, G1022, G1023, G1024, G1025, G1026, G1027, G1028, S03 AND S04.

ALFRESCO SLAB NOTES

1. CONCRETE EXPOSURE CLASSIFICATION = A1 TO AS2870-2011 2. 100mm THICK SLAB REINFORCED WITH ONE LAYER

SL82 MESH TOP WITH 30mm COVER,

BEAM BTM REINFORCEMENT AS SPECIFIED WITH 50mm COVER.

3. CONCRETE IS TO BE GRADE N25 (25 MPa STRENGTH AT 28 DAYS)

FLOOR TILE NOTES

TILE FLOOR AREAS > 16m² SHOULD BE PROVIDED WITH ONE OR MORE OF THE FOLLOWING:

1. SLAB MESH IN THAT AREA SHALL BE SL92 OR

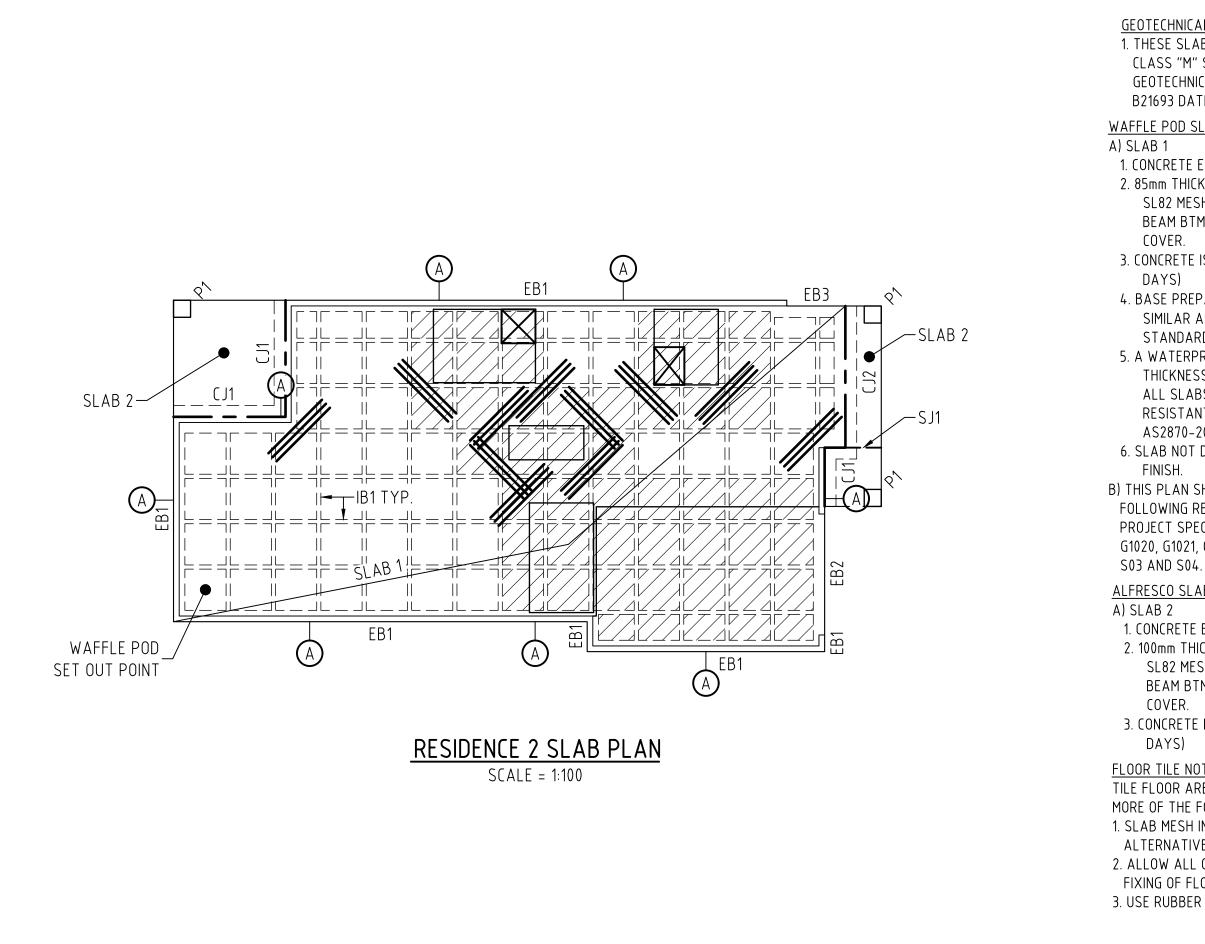
ALTERNATIVELY AN EXTRA LAYER OF SLAB MESH PLACED.

2. ALLOW ALL CONCRETE MINIMUM 90 DAYS TO CURE PRIOR TO FIXING OF FLOOR TILES.

3. USE RUBBER BASED ADHESIVE FOR ALL FLOOR TILES.

ISSUED FOR CONSTRUCTION

RESIDENCE ONE SLAB PLAN Richard Noonan BE(Hons) ME FIEAus NER 472690 43084 Original Sheet Size Α3 Project No S01 0 Drawing No Revisior



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RESIDENTIAL SLAB DESIGN

Site Address LOT 803 DAVIS CRESCENT CAERLEON NSW 2850 LYNCH BUILDING GROUP

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BEAM BTM REINFORCEMENT AS SPECIFIED WITH 50mm COVER.

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G1020, G1021, G1022, G1023, G1024, G1025, G1026, G1027, G1028,

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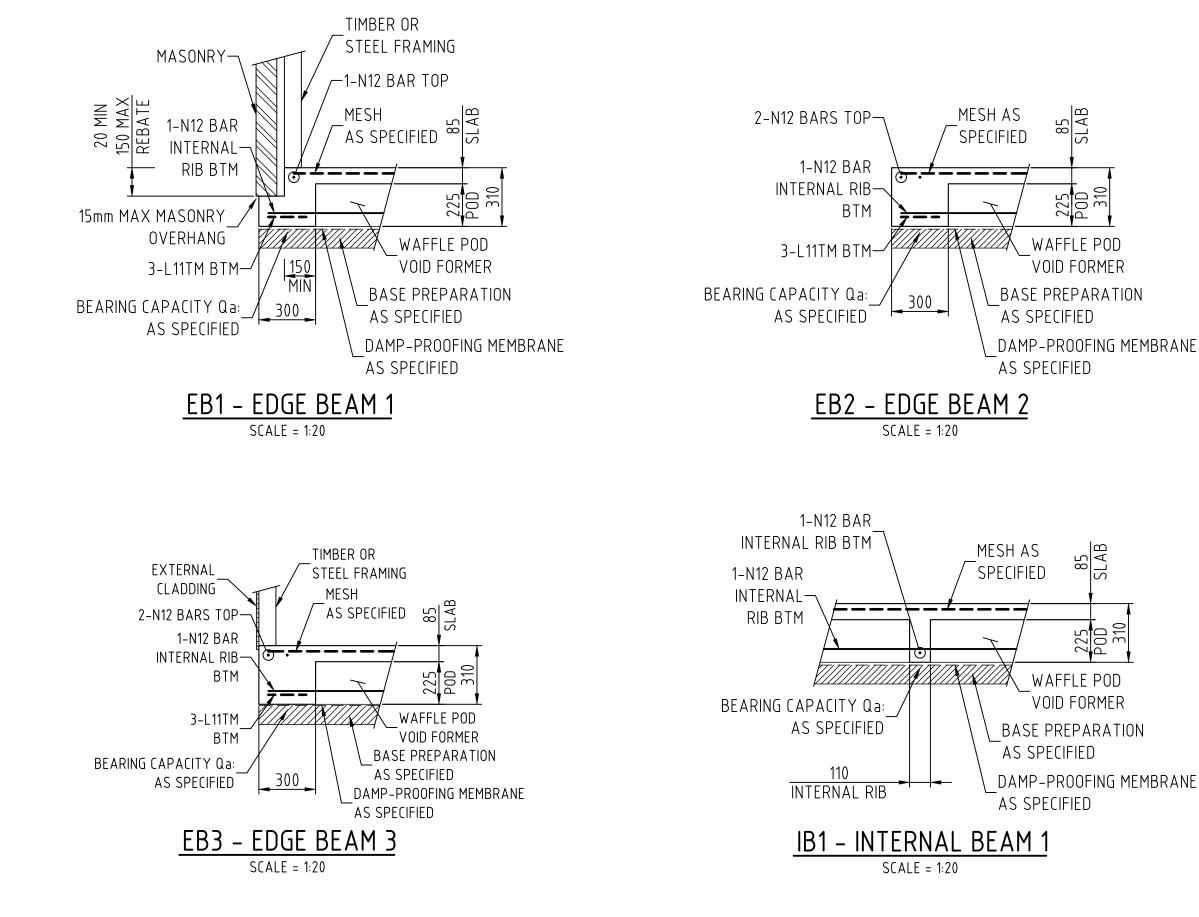
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2. ALLOW ALL CONCRETE MINIMUM 90 DAYS TO CURE PRIOR TO FIXING OF FLOOR TILES.

3. USE RUBBER BASED ADHESIVE FOR ALL FLOOR TILES.

ISSUED FOR CONSTRUCTION

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		NER 472690	
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Revision	0	Drawing No	S02
	Original Sheet Size	Original Sheet Size A3	AB PLAN NER 472690 Original Sheet Size A3 Project No





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Project RESIDENTIAL SLAB DESIGN	
Site Address	

LOT 803 DAVIS CRESCENT

LYNCH BUILDING GROUP

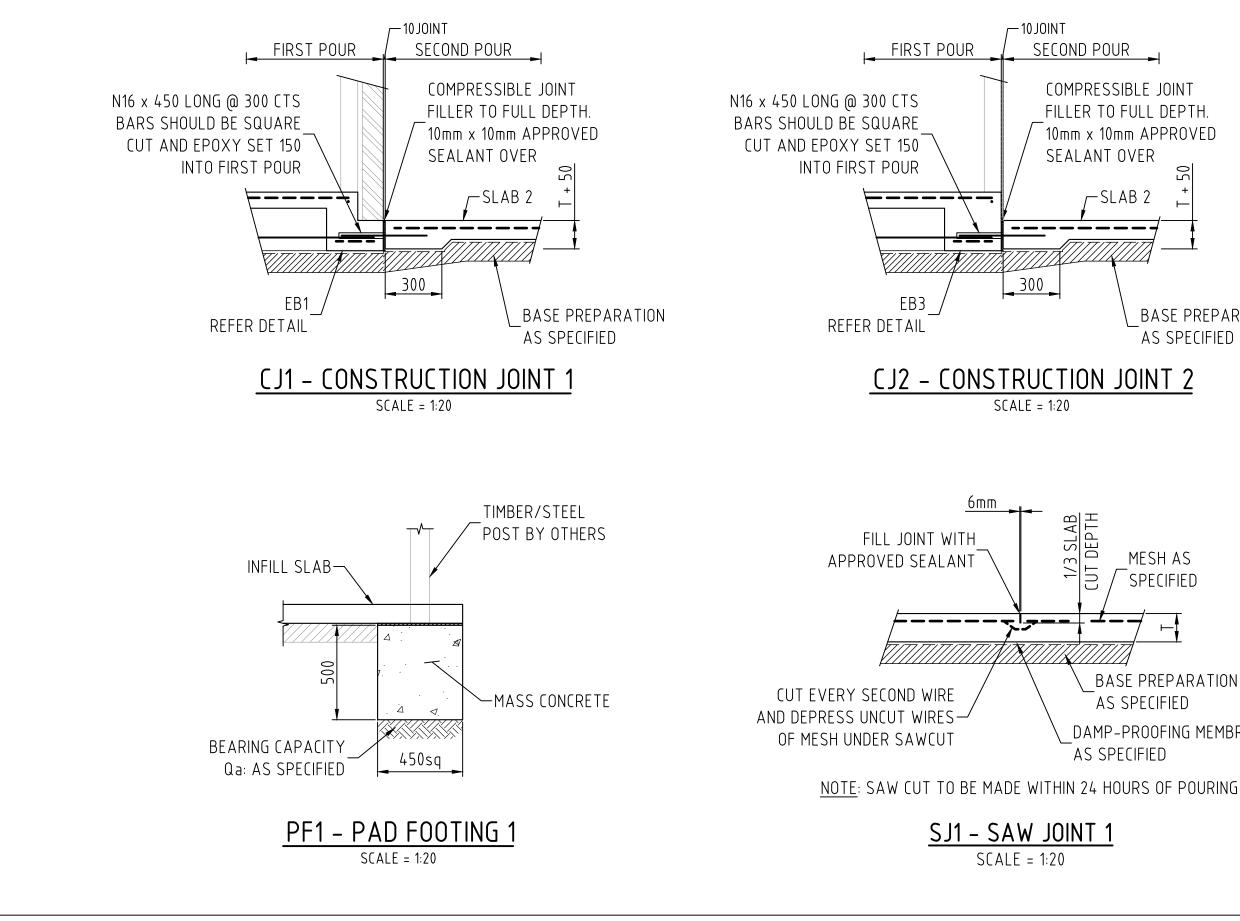
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Title DETAILS			Certification	
			NER 472690	
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RESIDENTIAL SLAB DESIGN Site Address LOT 803 DAVIS CRESCENT CAERLEON NSW 2850 LYNCH BUILDING GROUP

Title DETAILS			NER 472690	
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MK RN	Revision	0	Drawing No	S04

ISSUED FOR CONSTRUCTION

DAMP-PROOFING MEMBRANE

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Drawing **SLAB**

Design

Drawn

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MESH AS SPECIFIED

BASE PREPARATION AS SPECIFIED

GENERAL

- 1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER WORKING DRAWINGS AND SPECIFICATIONS RELEVANT TO THIS PROJECT. ANY DISCREPANCIES SHALL BE REFERRED TO BARNSON PTY LTD FOR A DECISION PRIOR TO PROCEEDING.
- 2. ANY NOTES OR DETAILS APPEARING IN THE "PROJECT SPECIFIC" DRAWING SET ARE TO TAKE PRECEDENCE OVER ANY NOTES OR DETAILS APPEARING IN THE "GENERIC" DRAWING SET.
- 3. DO NOT SCALE FROM THESE DRAWINGS
- 4. MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH RELEVANT SAA CODES AND LOCAL AUTHORITY REGULATIONS.
- 5. THE CONTRACTOR SHALL OBTAIN A COPY OF THE SITE GEOTECHNICAL REPORT PRIOR TO CONSTRUCTION, TO FAMILIARISE HIMSELF WITH THE EXPECTED NATURALLY OCCURRING FOUNDATION SOILS.
- 6. IF SOIL IS ENCOUNTERED DURING CONSTRUCTION THAT IS DIFFERENT TO THAT REFFERED TO IN THE GEOTECHNICAL REPORT, BARNSON PTY LTD SHALL BE CONTACTED IMMEDIATELY PRIOR TO FURTHER WORK TAKING PLACE.
- 7. DURING CONSTRUCTION, THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION, AND NO PART SHALL BE OVERSTRESSED.
- 8. ALL CARE SHOULD BE TAKEN TO ENSURE THAT ADEQUATE SITE DRAINAGE IS PROVIDED TO ENSURE THAT WATER IS DIVERTED AWAY FROM THE BUILDING DURING AND AFTER CONSTRUCTION.
- 9. ALL FORMWORK SHALL BE IN ACCORDANCE WITH AS3610-2018.
- 10. PREPOUR INSPECTIONS FOR ALL FOOTINGS AND SLABS SHALL BE CARRIED OUT BY BARNSON PTY LTD OR THE CERTIFYING AUTHORITY, 24 HOURS NOTICE FOR INSPECTIONS IS REQUIRED. NO CONCRETE IS TO BE POURED WITHOUT ATTAINING APPROVAL.
- 11. FOR SLAB ON GROUND, FINISHED SLAB HEIGHTS ABOVE EXTERNAL FINISHED SURFACES MUST NOT BE LESS THAN:
 - A) 150mm ABOVE FINISHED GROUND LEVEL
 - B) 100mm ABOVE SANDY, WELL DRAINED AREAS
 - C) 50mm ABOVE EXTERNAL SEALED AREAS THAT HAVE A SLOPE OF NOT LESS THAN 50mm OVER THE FIRST 1m FROM THE BUILDING

GENERAL continued

- 12. SLABS & FOOTINGS HAVE BEEN DESIGNED BASED ON STANDARD DESIGNS CONTAINED IN SECTION 3 AND ENGINEERING PRINCIPALS CONTAINED IN SECTION 4 OF AS2870-2011, AND ENGINEERING PRINCIPALS FROM AS3600-2018
- 13. DIMENSIONS GIVEN FOR BEAMS AND STRIP FOOTINGS ARE THE MINIMUM REQUIRED AS PER DESIGN PRINCIPALS NOTED ABOVE. IF THERE ARE SITE SPECIFIC REQUIREMENTS TO WIDEN, OR DEEPEN BEAMS OR STRIP FOOTINGS, IT SHALL BE PERFORMED AS FOLLOWS:
 - A) WHERE BEAMS OR STRIP FOOTINGS ARE WIDER THAN THAT SPECIFIED, AN EXTRA BOTTOM BAR OR EQUIVALENT OF THE SAME BAR SIZE IS REQUIRED FOR EACH 100mm ADDITIONAL WIDTH.
 - B) WHERE BEAMS OR STRIP FOOTINGS ARE DEEPER THAN THAT SPECIFIED. THE BOTTOM REINFORCEMENT SPECIFIED IN AS2870 FOR THE GREATER BEAM OR STRIP FOOTING DEPTH IS TO BE USED.
- 14. SITE MAINTENANCE IS THE RESPONSIBILITY OF THE OWNER. CSIRO'S - FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE: A HOMEOWNERS GUIDE -BUILDING TECHNOLOGY FILE 18, SHOULD BE REFERRED TO FOR ONGOING SITE MAINTENANCE REQUIREMENTS

EXCAVATION

- 1. TOPSOIL CONTAINING GRASS ROOTS OR VEGETATION SHALL BE REMOVED FROM THE FOUNDATION AREA. IT SHALL THEN BE PROOF ROLLED PRIOR TO FILLING.
- 2. FOOTING EXCAVATIONS MUST BE FREE OF LOOSE EARTH, TREE ROOTS, MUD OR DEBRIS IMMEDIATELY BEFORE POURING CONCRETE.
- 3. EXCAVATION FOR FOOTINGS, INCLUDING THICKENINGS FOR SLABS AND PADS MUST BE CLEAN CUT WITH VERTICAL SIDES, WHEREVER POSSIBLE.
- 4. FOR EXCAVATION REQUIREMENTS ON SLOPING SITES WHERE STEPPED BEAMS OR STEPPED STRIP FOOTINGS ARE TO BE USED, REFER DRAWING G1002.
- 5. BARNSON PTY LTD SHOULD BE CONSULTED BEFORE COMMENCING ANY EXCAVATIONS NEAR THE EDGE OF A BUILDING.
- 6. WHERE PROPOSED FOOTINGS ARE NEAR EXISTING BUILDINGS OR SERVICES. BARNSON PTY LTD MUST BE CONTACTED AS DESIGN CHANGES MAY BE NECESSARY.

EXCAVATION continued

7. FOR ALLOWABLE EMBANKMENTS, FILL & CUT TYPE EXCAVATIONS, REFER DRAWING G1025. TO BE READ IN CONJUNCTION WITH SECTION 6 OF AS2870-2011, AND BCA VOLUME 2, PART 3.1.1 FOR ADDITIONAL INFORMATION.

BASE PREPARATION - FILL

1. FILLING USED IN THE CONSTRUCTION OF A SLAB. EXCEPT WHERE THE SLAB IS SUSPENDED, SHALL CONSIST OF CONTROLLED FILL AS FOLLOWS: CONTROLLED FILL:

MINIMUM 100mm DEEP MAXIMUM 300mm DEEP UNDER PERIMETER FOOTINGS. IT SHALL BE WELL COMPACTED IN 150mm LAYERS BY A MECHANICAL ROLLER TO A MINIMUM 95% STANDARD COMPACTION FOR A SINGLE STORY DWELLING, AND 98% STANDARD COMPACTION FOR A DOUBLE STORY DWELLING. FILL SHALL BE OF LESS REACTIVITY THAN NATURAL SOIL.

- 2. FILL WITH A GREATER DEPTH THAN THAT SPECIFIED ABOVE SHALL BE INSTALLED AND CERTIFIED BY A NATA ACCREDITED LABORATORY IN ACCORDANCE WITHAS3798-2007. LEVEL 2.
- 3. FILL SHALL BE EXTENDED PAST THE EDGE OF THE RESIDENCE AND SHALL BE RETAINED OR BATTERED BY A SLOPE AS SPECIFIED ON DRAWING G1024. FOR FILLING REQUIREMENTS IN RELATION TO EDGE BEAMS, REFER DRAWING G1024.

BASE PREPARATION - FOUNDATIONS

- 1. FOUNDATION MATERIAL, WHETHER NATURALLY OCCURRING OR FILL, SHALL HAVE A MINIMUM UNIFORM ALLOWABLE BEARING CAPACITY (Qa) OF 100 kPa
- 2. ALL TESTING TO BE UNDERTAKEN BY A NATA REGISTERED LABORATORY.
- 3. THE ATTACHED PROJECT SPECIFIC RESIDENTIAL FOOTING DESIGN, HAS BEEN PREPARED BASED ON A SITE CLASSIFICATION CARRIED OUT IN ACCORDANCE WITH AS2870-2011. REFER PROJECT SPECIFIC PLAN FOR METHOD USED.
- 4. INTERNAL BEAMS/RIBS AND SLAB PANELS SHALL BE FOUNDED ON CONTROLLED OR ROLLED FILL
- 5. ALL EDGE BEAMS SHALL BE FOUNDED IN NATURAL SOIL OR CONTROLLED FILL, UNLESS SUPPORTED BY PIERS.



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Date Description 03.08,23 BORDER UPDATE

WAFFLE POD SLABS GENERIC SET TO AS2870-2011 **RESIDENTIAL FOOTING DESIGN**

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SITES WITH SALINE AND SULFATE SOILS

1. IN AREAS ADVISED BY THE LOCAL AUTHORITY TO HAVE AGGRESSIVE SOILS THE FOLLOWING MINIMUM REQUIREMENTS ARE TO TAKE PRECEDENCE OVER ANY NOTATION WITHIN THE DRAWING SET:

- A) THE DAMP-PROOFING MEMBRANE SHALL CONSIST OF A SUITABLE 0.5mm THICK DAMP-PROOFING MATERIAL COMPLYING WITH AS/NZS 2904 AND LAPPED A MINIMUM OF 75mm VERTICALLY OR HORIZONTALLY. DAMP-PROOFING MEMBRANE IS TO BE INSTALLED AND TERMINATED AT FINISHED GROUND OR PAVING LEVEL.
- B) CONCRETE IS TO BE MINIMUM GRADE N32 (32 MPa STRENGTH AT 28 DAYS AGE). ACTUAL CONCRETE GRADE TO BE UTILISED ON SITE IS TO BE IN ACCORDANCE WITH TABLE 5.3 OF AS2870-2011. TABLE 5.3 IS TO BE READ IN CONJUNCTION WITH TABLES 5.1 AND 5.2 OF AS2870-2011 FOR SITE EXPOSURE CLASS FOR SALINE OR SULFATE SOILS.

DAMP-PROOFING MEMBRANE

- 1. A DAMP-PROOFING MEMBRANE CONSISTING OF A 0.2mm NOMINAL THICKNESS POLYETHYLENE FILM, SHALL BE PLACED UNDER ALL SLABS & BEAMS AND EXTEND TO FINISH AT GROUND LEVEL TO THE SLAB PERIMETER U.N.O.
- 2. IT SHALL BE HIGH IMPACT RESISTANT IN ACCORD WITH CLAUSES 5.3.3.2 AND 5.3.3.3 OF AS2870-2011. AND BE BRANDED CONTINUOUSLY "AS2870 CONCRETE UNDERLAY, 0.2mm HIGH IMPACT RESISTANCE" 3. IT SHALL BE INSTALLED WITH MIN 200mm LAPS AT ALL JOINTS, AND TAPED OR SEALED WITH A CLOSE FITTING SLEEVE AROUND SERVICE PENETRATIONS

MASONRY

1. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH AS3700-2018. 2. MASONRY SHALL NOT BE CONSTRUCTED ON CONCRETE ELEMENTS WITHIN 14 DAYS OF CASTING WITHOUT THE APPROVAL OF BARNSON PTY LTD. 3. ARTICULATION OF MASONRY SHALL BE IN ACCORDANCE WITH TECHNICAL NOTE 61 BY THE CEMENT, CONCRETE & AGGREGATES AUSTRALIA. www.ccaa.com.au

THE RAL NOTES			Certification
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REINFORCEMENT

- 1. ALL REINFORCEMENT SHALL BE IN ACCORDANCE WITH AS/NZS 4671-2019.
- 2. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY, AND IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.
- 3. REINFORCEMENT DESIGNATIONS AS FOLLOWS: A) N - GRADE 500N HS DEFORMED BAR B) R - GRADE 250R HOT ROLLED BAR C) SL - GRADE 500L SQUARE MESH D) TM - GRADE 500L TRENCH MESH
- 4. FOR LAPPING OF SLAB FABRIC, REFER DRAWING G1002 FOR DETAILS.
- 5. TRENCH MESH SHALL BE SPLICED WHERE NECESSARY BY A LAP OF 500mm.
- 6. REINFORCEMENT BARS TO BE LAPPED AS FOLLOWS: A) MESH-2 OUTER BARS OVERLAPPED WITH 2 OUTERBARS+20mm
 - B) N12 BARS = 500mm MIN
 - C) N16 BARS = 700mm MIN
- 7. ALL REINFORCEMENT IS TO BE ADEQUATELY SUPPORTED IN ITS REQUIRED POSITION. SUPPORT CHAIRS ARE TO BE AT 800mm MAX CENTRES, BOTH DIRECTIONS.
- 8. SERVICE PENETRATIONS SHALL BE APPROVED BY BARNSON PTY LTD PRIOR TO POURING. ALL SERVICES THAT PENETRATE CONCRETE MEMBERS SHALL BE LAGGED OR SLEEVED. REFER DRAWING G1023 FOR DETAILS.
- 9. NO CHASES OR HOLES ARE TO BE MADE IN CONCRETE MEMBERS U.N.O. WITHOUT THE APPROVAL OF BARNSON PTY LTD.
- 10. REFER DRAWING G1022 FOR REINFORCEMENT REQUIREMENTS ON SLOPING SITES WHERE STEPPED BEAMS OR STEPPED STRIP FOOTINGS ARE TO BE USED, AND FOR WHERE "L" AND "T" INTERSECTIONS OF BEAMS OCCUR.
- 11. WHERE THERE ARE SITE SPECIFIC REQUIREMENTS TO WIDEN SLAB BEAMS OR STEM WIDTHS, ADDITIONAL REINFORCMENT TO THAT SHOWN IN THE DETAILS SHALL BE PROVIDED TOP AND BTM, ACCORDING TO THE ADDITIONAL REINFORCEMENT TABLE AND DIAGRAM. BAR SIZE IS TO MATCH THE EXISTING SPECIFIED TOP & BTM BAR SIZE SHOWN IN THE DETAILS.

CONCRETE

- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600-2018, FORMWORK TO AS3610-2018
- 2. CONCRETE SHALL NOT BE POURED WHEN THE AIR TEMPERATURE IS GREATER THAN 38° CELCIUS, OR LESS THAN 5° CELSIUS WITHOUT APPROVAL FROM BARNSON PTY LTD.
- 3. CONCRETE SHALL BE GRADE N20 (20MPa STRENGTH AT 28 DAYS), HAVE A 20mm NOMINAL AGGREGATE SIZE, AND HAVE A NOMINAL 100mm SLUMP.
- 4. NO ON SITE WATER IS TO BE ADDED TO THE CONCRETE WITHOUT PERMISSION OF BARNSON PTY LTD.
- 5. ALL CONCRETE IS TO BE VIBRATED
- 6. CONCRETE IS TO BE CURED A MIN OF 7 DAYS
- 7. COVER TO REINFORCEMENT SHALL BE AS FOLLOWS: A) WAFFLE POD SLAB PANELS = 20mm (TOP) B) RAFT SLAB PANELS = 30mm (TOP) C) WAFFLE POD RIBS = 30mm (SIDE)
 - D) WAFFLE AND RAFT SLAB BEAMS = 50mm (BOTTOM & SIDE)
 - E) STRIP & PAD FOOTINGS = 50mm (ALL SIDES)

LOADING NOTES

- 1. ALL LOADS ARE ACCORDING TO AS1170.1-2002
- 2. LIVE LOADS: 1.5 kPa RESIDENTIAL

GLOSSARY OF TERMS

F.S.L. FINISHED SURFACE LEVEL AT COMPLETION OF **CONSTRUCTION & LANDSCAPING**

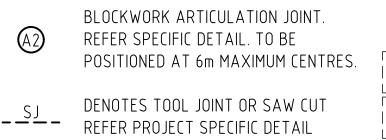




(A)

DENOTES 3-N12 BARS x 2000 LONG OR 3-L11TM x 2000 LONG TIED TO UNDERSIDE OF MESH

DENOTES MASONRY ARTICULATION JOINTS. ARTICULATION OF MASONRY SHALL BE IN ACCORDANCE WITH TECHNICAL NOTE 61 - AUGUST 2008 BY THE CEMENT, CONCRETE & AGGREGATES AUSTRALIA. www.ccaa.com.au





DENOTES CONSTRUCTION JOINT. REFER PROJECT SPECIFIC DETAIL

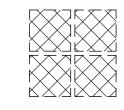


DENOTES SLAB RECESS. REFER SPECIFIC DETAILS. REFER ARCHITECTURAL DRAWINGS FOR DEPTH



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DENOTES SHOWER RECESS. REFER SPECIFIC DETAIL.



ADDITIONAL WAFFLE POD DEAM WIDTH REINFORCEMENT				
STEM WIDTH OR BASE BEAM WIDTH (mm)	QTY TOP REINFORCEMENT BARS FOR STEM WIDTH	QTY BTM REINFORCEMENT BARS FOR BASE BEAM WIDTH		
110 – 150	0 STD, 1 OVER PIERS	1		
151 - 220	1	2		
221 - 330	2	3		



BASE BEAM WIDTH

WAFFLE POD SLABS GENERIC SET TO AS2870-2011 **RESIDENTIAL FOOTING DESIGN**

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ADDITIONAL WAFELE DOD REAM WIDTH DEINEODCEMENT

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N.S.L. NATURAL SURFACE LEVEL OF SOIL EXPOSED ON SITE AFTER STRIPPING OF TOPSOIL





DENOTES FALLING LEVELS TO FALL FINISHED SURFACE OF SLAB

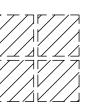


DENOTES BEARING PIERS BELOW REFER PROJECT SPECIFIC DETAILS

DENOTES SPAN DIRECTION OF SUSPENDED SLAB PERMANENT FORMWORK – e.g. BONDEK OR CONDEK REFER PROJECT SPECIFIC DESIGN FOR SPECIFICATIONS.

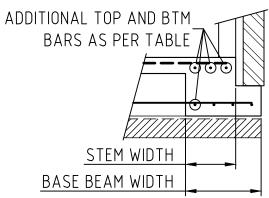


DENOTES 1090 x 1090 x SPECIFIED DEPTH WAFFLE PODS



DENOTES 1090 x 1090 x SPECIFIED DEPTH WAFFLE PODS AT RECESSES, SETDOWNS & EXTERNAL SLABS LOWER LEVELS CREATED BY EXCAVATION

DENOTES MASS POUR CONCRETE PAD TO DEPTH OF DESIGN WAFFLE PODS. REMOVE WAFFLE PODS TO ACHIEVE, PLACE MESH TO BOTTOM AS WELL AS TO TOP.



GENERAL NOTES & LEGEND

Certification

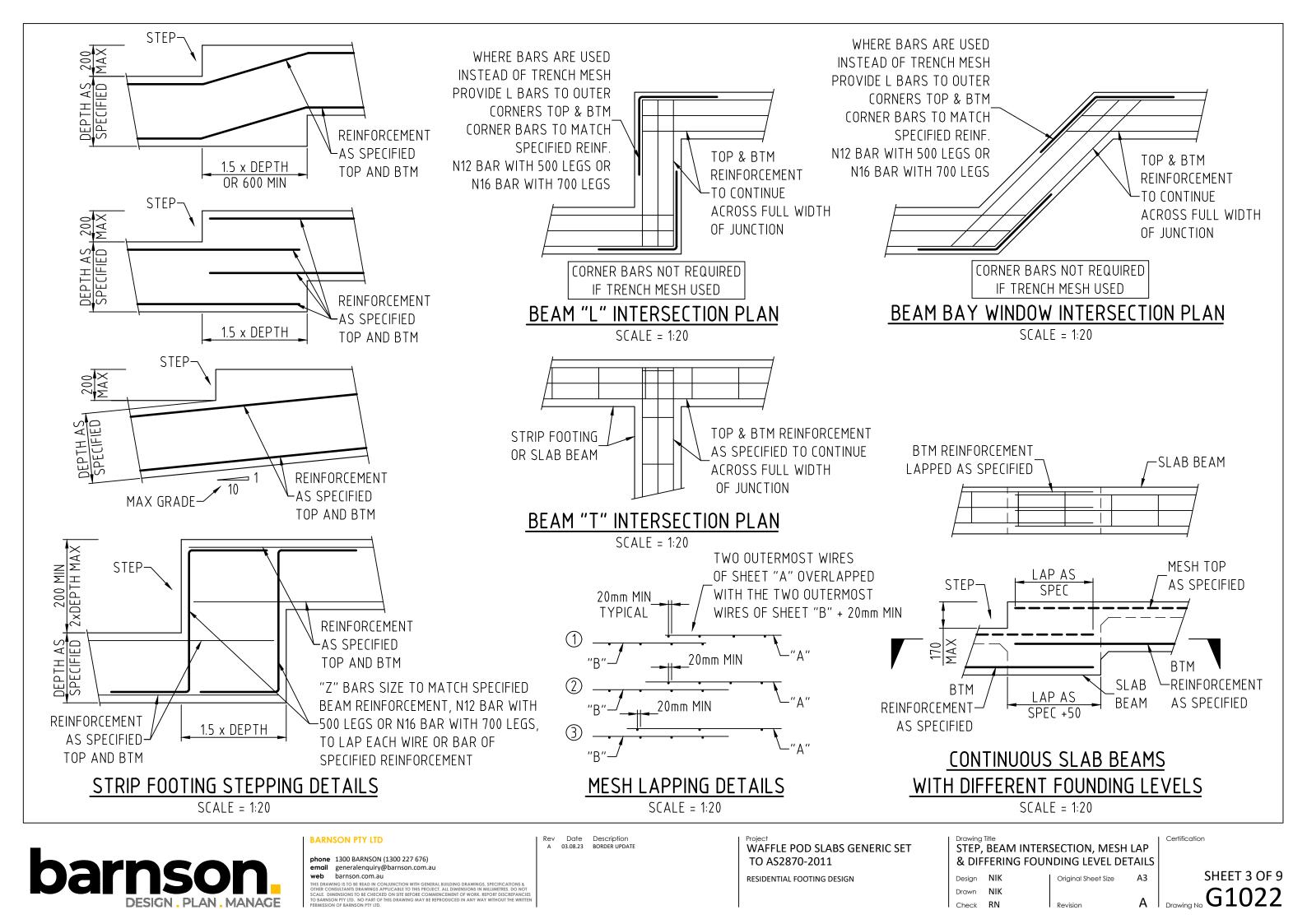
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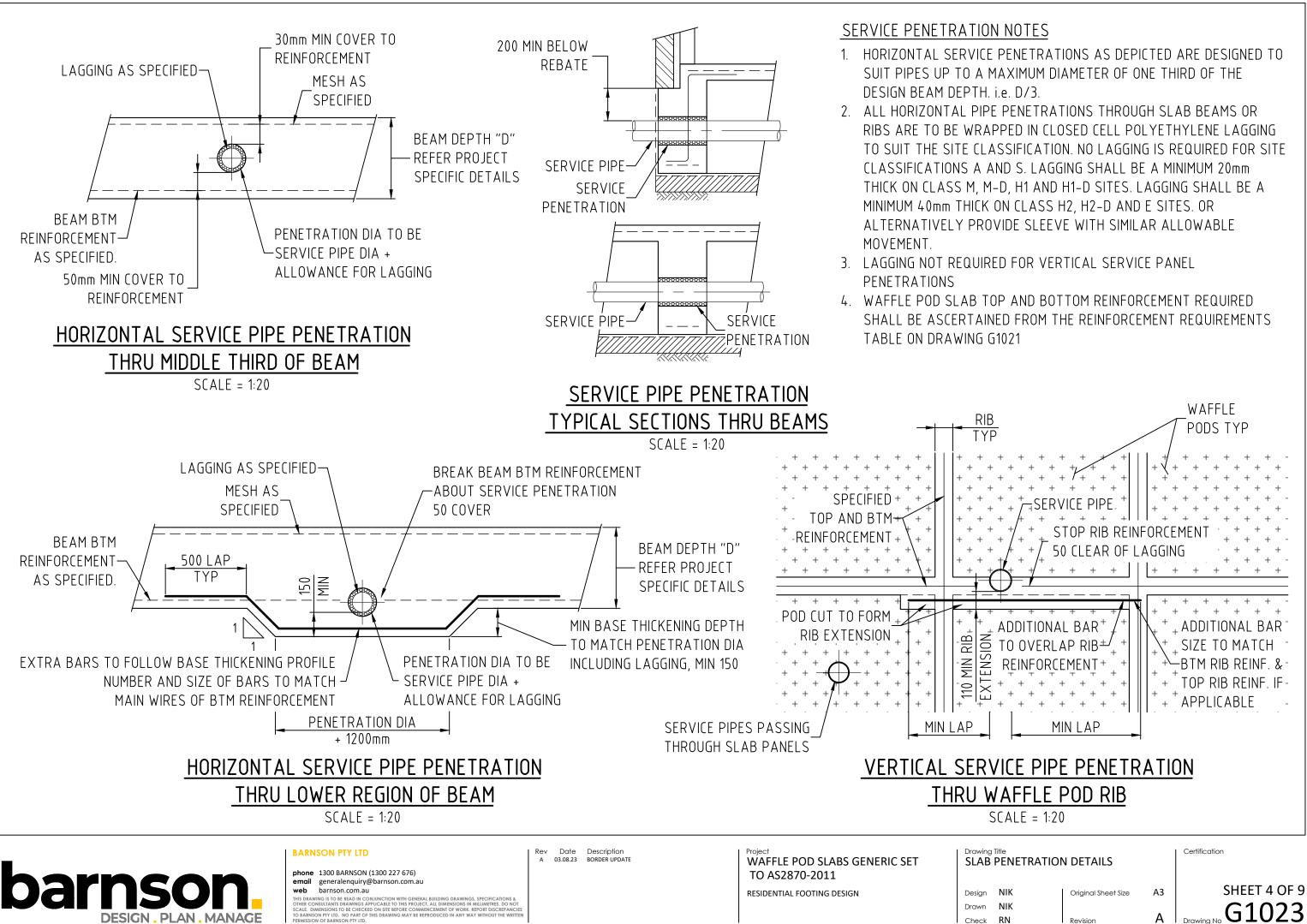
G1021

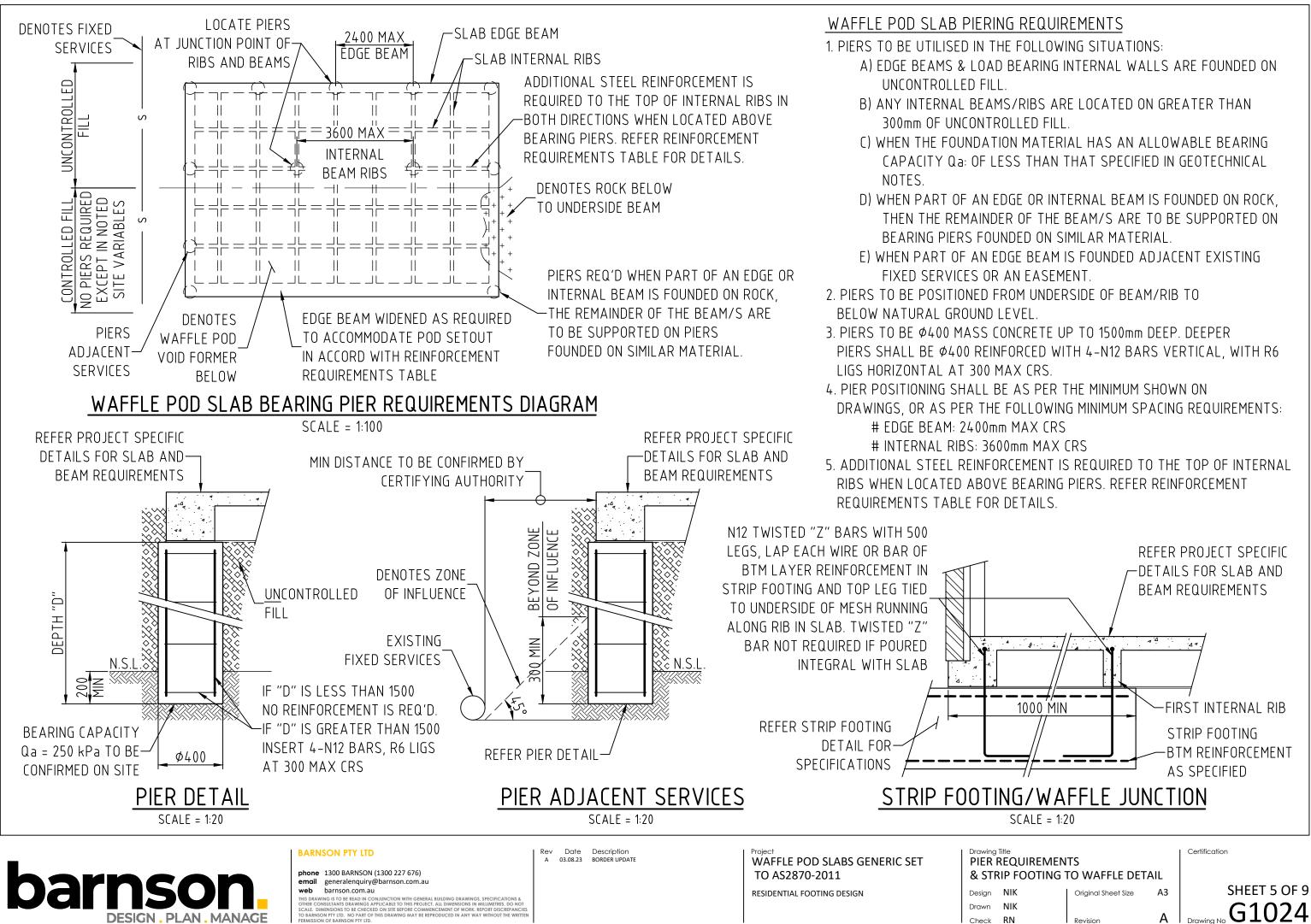
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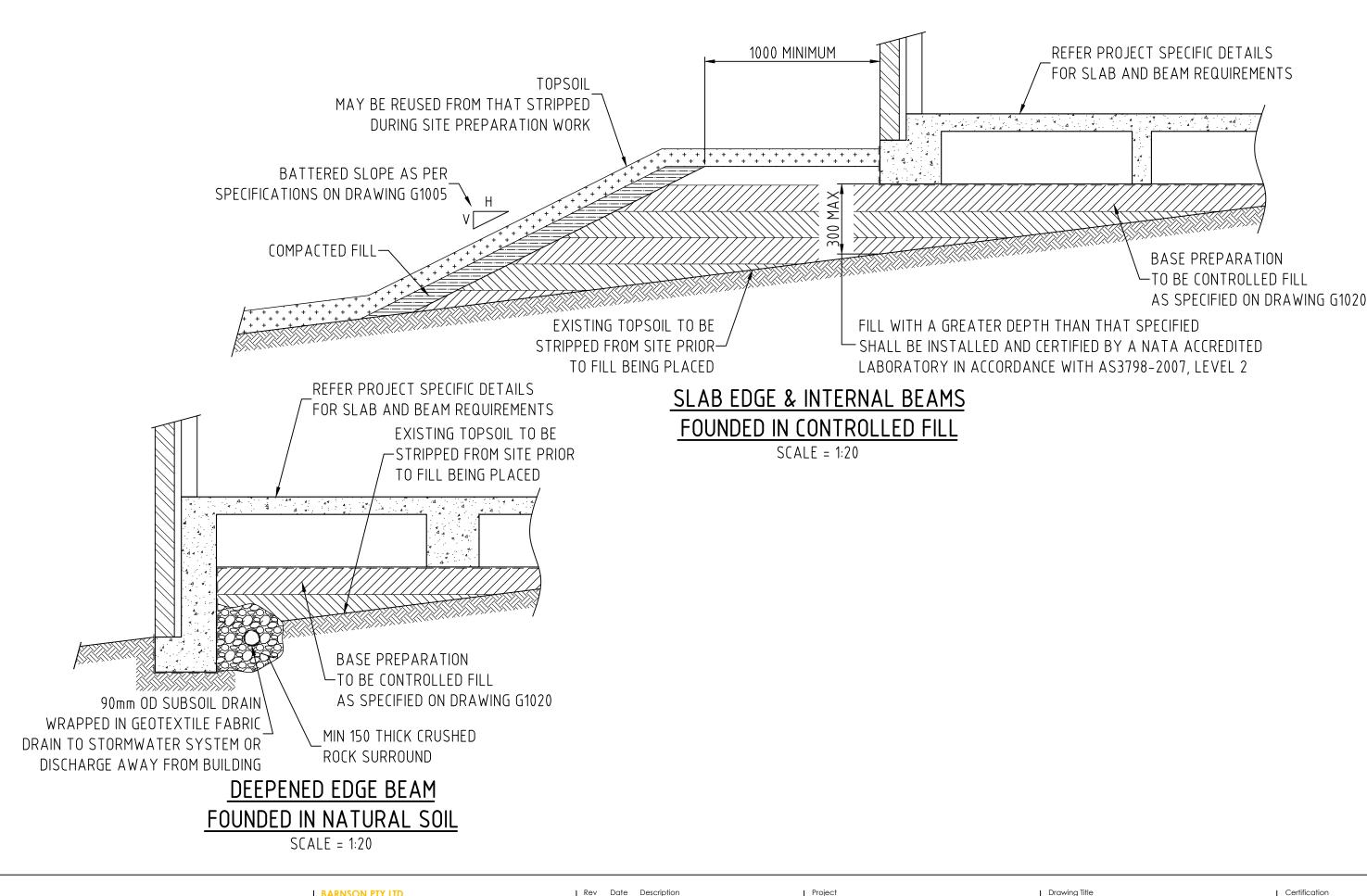
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WAFFLE POD SLABS GENERIC SET TO AS2870-2011 **RESIDENTIAL FOOTING DESIGN**

Design Drawn NIK Check RN

SLOPING SITES **SLAB & FILL REQUIREMENTS**

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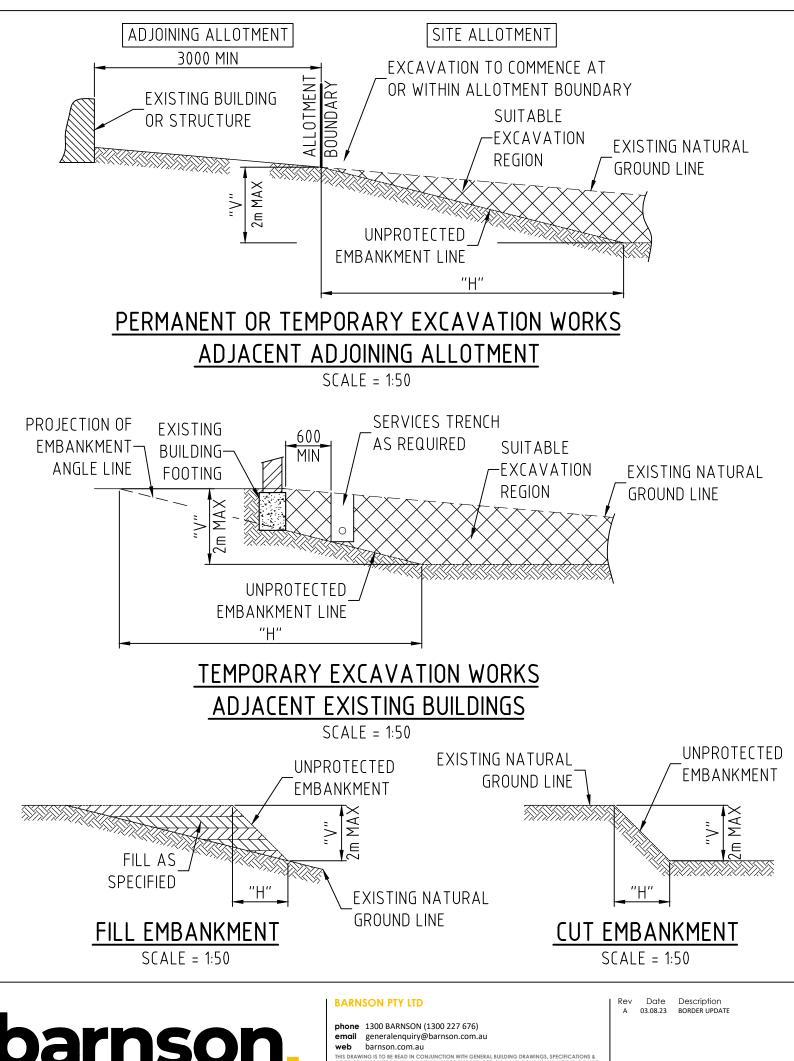
Original Sheet Size Revision

Certification

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EXCAVATION NOTES

- 1. ANY PERMANENT VERTICAL OR NEAR VERTICAL EXCAVATION WITHIN 2m OF A BUILDING. AND DEEPER THAN 600mm SHALL BE BATTERED OR RETAINED.
- 2. THE GRADIENT OF UNPROTECTED EMBANKMENT FOR EXCAVATION INCLUDING BOTH CUT AND FILL SHALL BE ASCERTAINED FROM THE "UNPROTECTED EMBANKMENTS" TABLE. 3. EXCAVATION ADJACENT EXISTING BUILDINGS:
 - A) EXCAVATION WORK FOR FOOTINGS, DRAINAGE TRENCHES OR OTHER SIMILAR WORKS ARE TEMPORARY.
 - B) ELEMENTS REQUIRED SHOULD BE INSTALLED & CONSTRUCTED AS SOON AS PRACTICABLE AFTER EXPOSING THE EXISTING BUILDING FOOTING. C) THE EXISTING FOOTING SHOULD NOT REMAIN EXPOSED AFTER THE COMPLETION OF
 - WORKS.
- 4. RETAINING WALLS OR OTHER TYPES OF SOIL RETAINING METHODS MUST BE INSTALLED WHERE:
 - A) THE GRADIENT RATIO IS GREATER THAN THAT DESCRIBED IN THE "UNPROTECTED EMBANKMENTS" TABLE.
 - B) SITE SOIL CLASSIFICATION OR DESCRIPTION IS NOT DESCRIBED IN THE "UNPROTECTED EMBANKMENTS" TABLE.
- 5. FILL SHALL BE PLACED AS FOLLOWS:
 - A) THE GRADIENT RATIO OF FILL DETAILS SHALL BE ASCERTAINED FROM THE "UNPROTECTED EMBANKMENTS" TABLE.
 - B) GENERAL FILL SHALL BE PLACED AND COMPACTED IN LAYERS WITH A VIBRATING PLATE OR SIMILAR COMPACTION EQUIPMENT TO ATTAIN STABILITY.

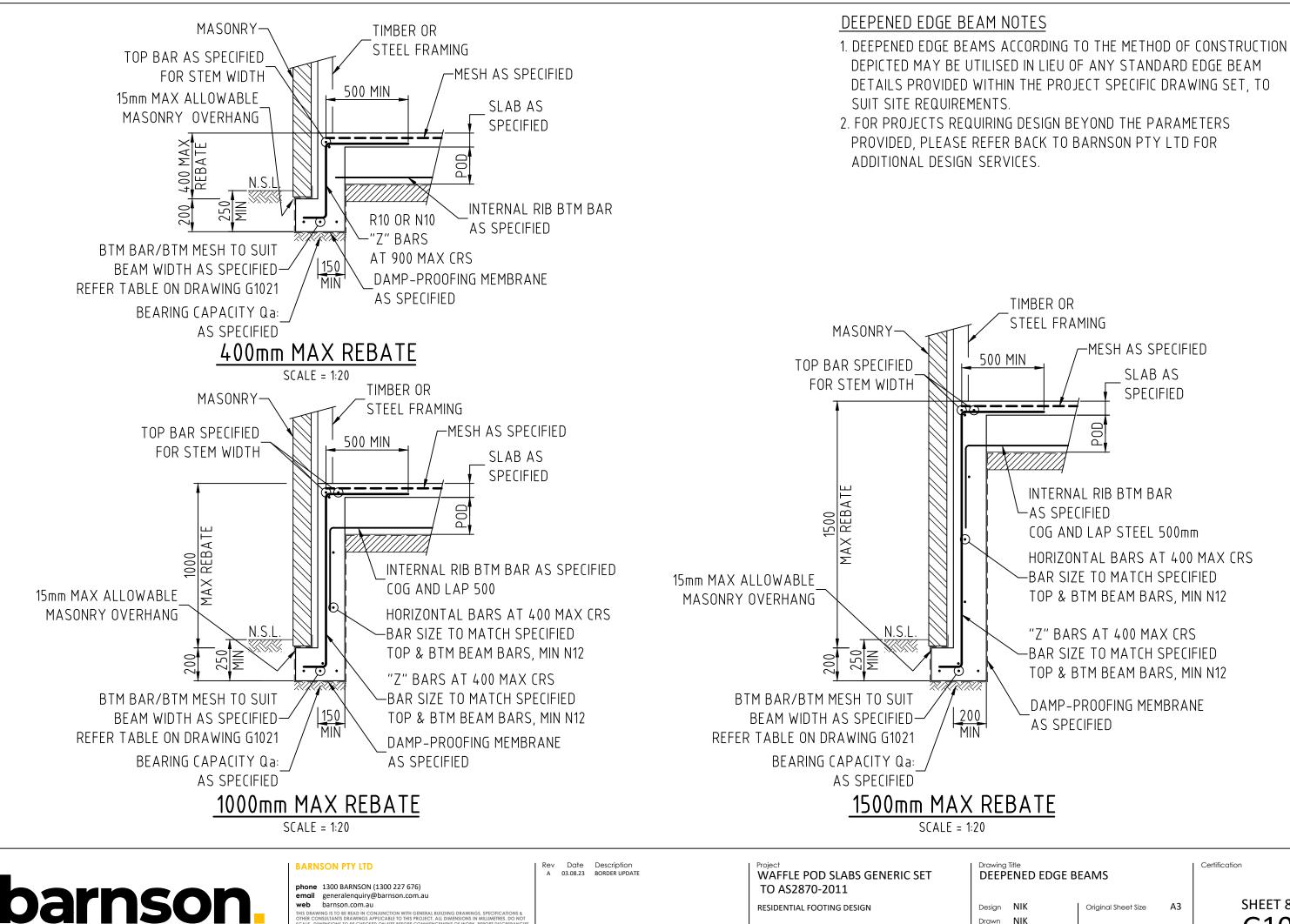
 - C) WHERE FILL IS TO BE USED TO SUPPORT FOOTINGS OR SLABS. IT SHALL BE CONTROLLED FILL AS DESCRIBED IN GENERIC DRAWING G1020
- 6. EMBANKMENTS THAT ARE TO BE LEFT EXPOSED AT THE END OF CONSTRUCTION WORKS MUST BE STABILISED BY VEGETATION OR SIMILAR WORKS TO PREVENT SOIL EROSION.

UNPROTECTED EMBANKMENTS SITE CLASSIFICATION OR NATURAL SOIL MATERIAL DESCRIPTION V:⊢ CLASS "A" - STABLE ROCK CLASS "A"- SAND CLASS "S", "M", "M-D" - FIRM CLAY CLASS "S", "M", "M-D"- SOFT CLAY CLASS "H1", "H1-D", "H2", "H2-D", "P"-SOFT SOILS

- CLASS "P"- SILT
- WAFFLE POD SLABS GENERIC SET TO AS2870-2011 **RESIDENTIAL FOOTING DESIGN**
- Drawina EXCĂV CUT & Design Drawn Check

<u>COMPACTED FILL</u> H GRADIENT RATIO	<u>CUT</u> V:H GRADIENT RATION
2 : 3	8 : 1
1 : 2	1 : 2
1 : 2	1 : 1
NOT SUITABLE	2 : 3
NOT SUITABLE	NOT SUITABLE
1 : 4	1 : 4

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Design Drawn

RESIDENTIAL FOOTING DESIGN

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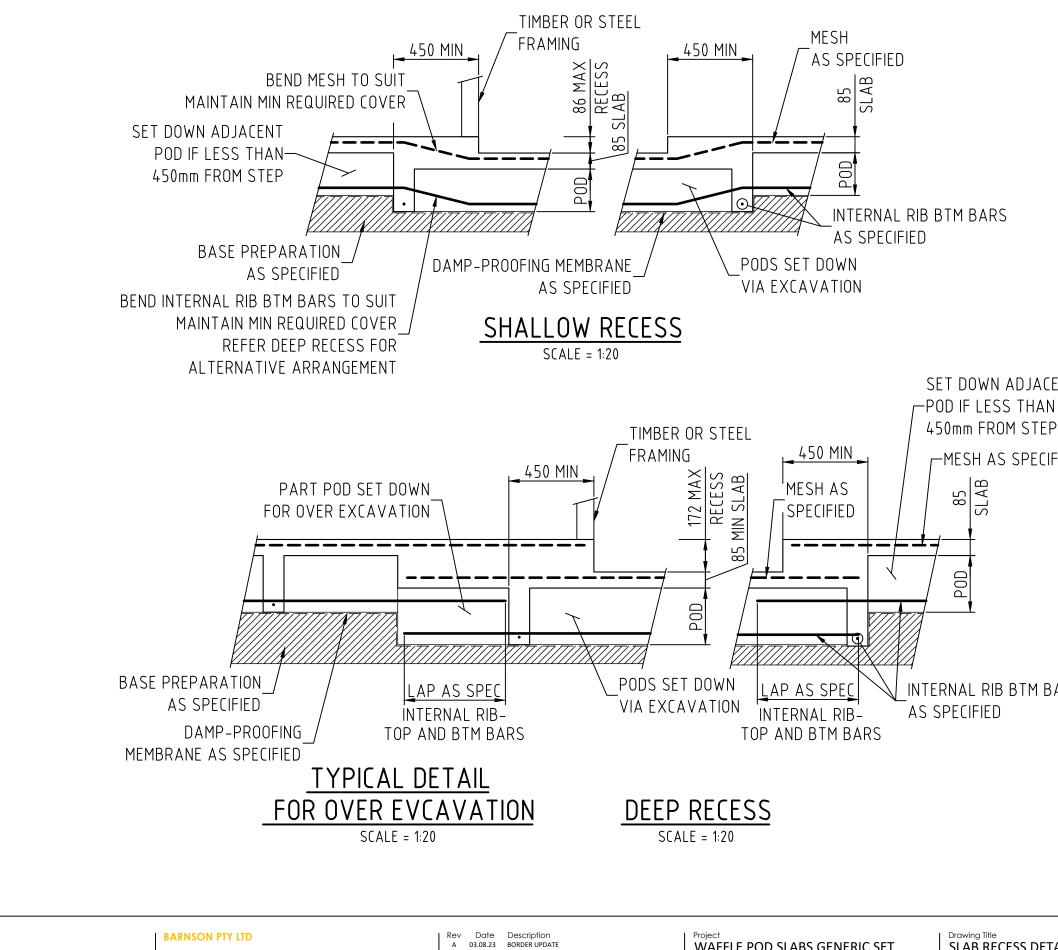
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WAFFLE POD SLABS GENERIC SET TO AS2870-2011 **RESIDENTIAL FOOTING DESIGN**

Design NIK

Drawn

SET DOWN ADJACENT 450mm FROM STEP

-MESH AS SPECIFIED

INTERNAL RIB BTM BARS

SLAB RECESS DETAILS

NIK Check RN

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