

PROPOSED ALTERATIONS & ADDITIONS
6 WEDGEWOOD CRESCENT, BEACON HILL NSW

LIST OF DRAWINGS


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- S09 POOL DETAILS
- S10 STRUCTURAL DETAILS

REV	DATE	DRAWN	DESCRIPTION
A	11.11.24	S. WHELAN	ISSUED FOR INFORMATION
B	30.11.24	S. WHELAN	ISSUED FOR APPROVAL



PROJECT:

ALTERATIONS & ADDITIONS

6 WEDGEWOOD CRESCENT

BEACON HILL NSW

DRAWING:

COVER SHEET

& LIST OF DRAWINGS

SCALE:

-

PROJECT No:

FX240041

DRAWING No:

ST-01

DATE:

30/11/2024

GENERAL

G1 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECT'S 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 FLEX ENGINEERS PRIOR TO PROCEEDING WITH THE WORK.

G2 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES.

G3 ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

G4 DURING CONSTRUCTION THE STRUCTURE 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.

G5 UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.

G6 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 BUILDING DESIGNER'S DRAWINGS FOR PROPOSED FLOOR USAGE.

FLOOR USAGE	LIVE LOAD (kPa)	SUPERIMPOSED DEAD LOAD (kPa)
INTERNAL	1.5	1.5
EXTERNAL	2.0	1.5

FOUNDATIONS

F1 FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING CAPACITY OF 150 kPa. THE FOUNDATION MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER FOR THIS BEARING CAPACITY PRIOR TO COMMENCEMENT OF THE WORKS.

F2 REFER TO GEOTECHNICAL INVESTIGATIONS REPORT No: AG 24424 PREPARED BY: ASCENTGEO GEOTECHNICAL CONSULTING DATED: 14.10.24

F3 FOOTINGS SHALL BE LOCATED CENTRALLY UNDER WALL AND COLUMNS UNLESS NOTED OTHERWISE.

F4 DO NOT EXCEED A RISE OF: 1 IN A RUN OF: 2 FOR THE LINE OF SLOPE BETWEEN ADJACENT FOOTINGS OR EXCAVATIONS.

F5 RESIDENTIAL SLABS AND FOOTINGS HAVE BEEN DESIGNED FOR A REACTIVITY CLASS: A TO AS 2870.

F6 FOOTINGS TO BE CONSTRUCTED AND BACKFILLED AS SOON AS POSSIBLE FOLLOWING EXCAVATION TO AVOID SOFTENING OR DRYING OUT BY EXPOSURE.

F7 FOOTINGS TO BE FOUNDED 200 MIN. INTO N.G.L.

WIND CLASSIFICATION

IN ACCORDANCE WITH AS-4055-2012 :

WIND REGION : A

TERRAIN CATEGORY : TC2.5

SHIELDING CLASSIFICATION : NS

TOPOGRAPHIC CLASS : T0

WIND CLASSIFICATION : N2

ULTIMATE WIND SPEED : Vh,u = 40 m/s

SERVICEABILITY WIND SPEED : Vh,s = 26 m/s

CONCRETE

C1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS 3600 CURRENT EDITION WITH AMENDMENTS.

C2 READYMIX CONCRETE SUPPLY SHALL COMPLY WITH AS 1379.

C3 CONCRETE QUALITY ALL THE REQUIREMENTS OF THE ACSE SPECIFICATION DOCUMENT 1 (EDITION 6) SHALL APPLY TO THE FORMWORK, REINFORCEMENT AND CONCRETE UNLESS NOTED OTHERWISE.

ELEMENT	STRENGTH GRADE (MPa)	SLUMP	MAX AGG SIZE	CEMENT TYPE
REFER TO PLANS	-	-	-	-

C4 PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE AS 1379.

C5 NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.

C6 CLEAR CONCRETE COVER TO ALL REINFORCEMENT FOR DURABILITY SHALL BE AS FOLLOWS UNLESS SHOWN OTHERWISE.

EXPOSURE CLASSIFICATION TO AS 3600:	CONCRETE GRADE:	CAST AGAINST GROUND:	CAST IN FORMS AND EXPOSED:	CAST IN FORMS NOT EXPOSED:
A1&A2	25	50mm	30mm	20mm(A1)
B1	32	60mm	40mm	-
B2	40	65mm	45mm	-

COVER REQUIREMENTS MAY NEED TO BE INCREASED TO SUIT FIRE RATING. EXPOSURE CLASSIFICATION SHALL BE AS INDICATED ON THE DRAWING.

DURABILITY REQUIREMENTS FOR CONCRETE.

EXPOSURE CLASSIFICATION TO AS 3600:	MINIMUM CEMENT CONTENT:	MAXIMUM W/C RATIO:
A1&A2	-	0.56
B1	320	0.56
B2	390	0.46
C	450	0.40

C7 ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT 1 METRE CENTRES MAXIMUM BOTH WAYS. BARS SHALL BE TIED AT ALTERNATE INTERSECTIONS. USE PLASTIC CHAIRS IN EXPOSURE CONDITION GREATER THAN B1.

C8 CONCRETE SIZES DO NOT INCLUDE THICKNESSES OF APPLIED FINISHES.

C9 DEPTHS OF BEAMS ARE GIVEN FIRST AND INCLUDE SLAB THICKNESS.

C10 REFER TO ARCHITECT'S DETAILS, FOR CHAMFERS, DRIP GROOVES, REGLETS, ETC., MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS.

C11 NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ENGINEER.

C12 CONSTRUCTION JOINTS WHERE NOT SHOWN SHALL BE LOCATED TO THE APPROVAL OF THE ENGINEER.

C13 ALL CONCRETE INCLUDING SLABS ON GROUND AND FOOTINGS SHALL BE COMPACTED WITH MECHANICAL VIBRATORS.

C14 USE ALIPHATIC ALCOHOLS SPRAYED OVER THE SURFACE PRIOR TO AND AFTER FINISHING TO REDUCE RATE OF EVAPORATION FROM THE SURFACE AND HELP CONTROL PLASTIC SHRINKAGE CRACKING. NOTE THAT THE USE OF ALIPHATIC ALCOHOLS IS NOT A SUBSTITUTE FOR CURING.

CONCRETE (CONTINUED)

C15 COMMENCE CURING OPERATIONS PROMPTLY AFTER SURFACE FINISHING IS COMPLETE. CURING COMPOUNDS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND ARE TO BE CHECKED FOR COMPATIBILITY WITH PROPOSED FLOOR FINISHES. SOME COMPOUNDS MAY REQUIRE REMOVAL FOR GLUED DOWN FLOOR COVERINGS OR WET CURING AS DESCRIBED BELOW.

CONCRETE IS TO BE CURED BY KEEPING THE SURFACES CONTINUOUSLY WET FOR A PERIOD OF 3 DAYS, AND PREVENTING THE LOSS OF MOISTURE FOR A FURTHER 7 DAYS FOLLOWED BY A GRADUAL DRYING OUT.

C16 PROPPING WHICH SUPPORTS CONSTRUCTION OVER IS TO BE LEFT IN PLACE AS REQUIRED TO AVOID OVER STRESSING THE STRUCTURE DUE TO CONSTRUCTION LOADING.

C17 THE ENGINEER SHALL BE GIVEN 24 HOURS NOTICE FOR REINFORCEMENT INSPECTIONS AND CONCRETE SHALL NOT BE DELIVERED UNTIL ENGINEERS APPROVAL IS OBTAINED.

C18 CONDUITS, PIPES ETC. SHALL ONLY BE LOCATED IN THE MIDDLE ONE THIRD OF SLAB DEPTH AND SPACED AT NOT LESS THAN 3 DIAMETERS OF THE CONDUIT, PIPES ETC. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE COVER TO REINFORCEMENT.

C19 REINFORCEMENT SYMBOLS: N DENOTES DEFORMED GRADE 500 NORMAL DUCTILITY CLASS BARS TO AS 4671 R DENOTES PLAIN ROUND GRADE 250 NORMAL DUCTILITY CLASS BARS TO AS 4671 RL DENOTES RECTANGULAR MESH GRADE 500 LOW DUCTILITY CLASS TO AS 4671 SL DENOTES SQUARE MESH GRADE 500 LOW DUCTILITY CLASS TO AS 4671 TM DENOTES TRENCH MESH GRADE 500 LOW DUCTILITY CLASS TO AS 4671 THE MEMBER IMMEDIATELY FOLLOWING THE BAR GRADE SYMBOL REPRESENTS THE NOMINAL BAR DIAMETER IN MILLIMETERS. THE FIGURES FOLLOWING THE FABRIC SYMBOL SL & RL IS THE REFERENCE NUMBER FOR FABRIC TO AS 4671.

C20 REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.

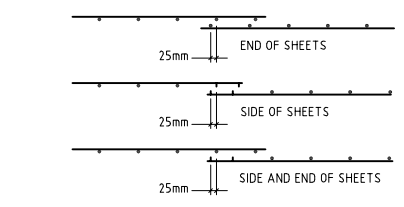
C22 SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER. LAPS SHALL BE IN ACCORDANCE WITH AS 3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR.

C23 WHERE TRANSVERSE TIE BARS ARE NOT SHOWN PROVIDE N12-400 SPLICED WHERE NECESSARY AND LAPPED 500mm WITH MAIN BARS.

C27 STANDARD LAP AND COG LENGTHS UNLESS NOTED OTHERWISE ON DRAWINGS.

BAR DIAMETER	MIN LAP LENGTH (mm)	MIN COG LENGTH (mm)
N12	500	180
N16	750	210
N20	1000	260

C28 MINIMUM MESH LAPS



STRUCTURAL STEEL

S1 ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH AS 4100 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

S2 UNLESS NOTED OTHERWISE, ALL STEEL SHALL BE IN ACCORDANCE WITH AS 3678 GRADE 250, OR AS 3679 GRADE 300, OR AS 1163 GRADE 350 AS APPROPRIATE.

S3 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. WHERE NOT INDICATED ON STRUCTURAL DRAWINGS, ALL DIMENSIONS & SETOUT TO BE OBTAINED FROM ARCHITECTURAL DRAWINGS.

S4 BOLTS ARE DESIGNATED ON THE DRAWINGS BY THE NUMBER, DIAMETER, GRADE AND TIGHTENING PROCEDURE. 4.6/5 DENOTES COMMERCIAL BOLTS OF GRADE 4.6 TO AS 1111, SNUG TIGHTENED. 8.8/5 DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252, SNUG TIGHTENED. 8.8/7B DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252, FULLY TENSIONED TO AS4100 AS A BEARING TYPE JOINT. 8.8/7F DENOTES HIGH STRENGTH STRUCTURAL BOLTS OF GRADE 8.8 TO AS 1252 FULLY TENSIONED TO AS 4100 AS A FRICTION TYPE JOINT WITH FACING SURFACES LEFT UNCOATED.

S5 UNLESS NOTED OTHERWISE ALL BOLTS SHALL BE M20 CATEGORY 8.8/5. NO CONNECTION SHALL HAVE LESS THAN 2 BOLTS. ALL BOLTS AND WASHERS SHALL BE GALVANIZED. CLEATS AND GUSSETS SHALL BE 10mm THICK.

S7 FILLET WELDS SHALL BE 6mm CONTINUOUS. CATEGORY SP, USING ELECTRODES IN ACCORDANCE WITH AS 1554.1 U.N.O. BUTT WELDS SHALL BE COMPLETE PENETRATION BUTT WELDS IN ACCORDANCE WITH AS 1554.1. ALL OTHER WELDS SHALL BE IN ACCORDANCE WITH AS 1554.1. WELD CATEGORY: PURLIN AND GIRT CLEATS - GP ALL OTHER U.N.O. - SP

S8 ALL WELDS SHALL BE INSPECTED IN ACCORDANCE WITH AS 1554.1 THE EXTENT OF NON DESTRUCTIVE EXAMINATION SHALL COMPLY WITH AS 1554.1 DEFECTIVE WELDS SHALL BE REPAIRED OR REPLACED IN ACCORDANCE WITH AS 1554.1

S9 PROVIDE SEAL PLATES TO THE ENDS OF ALL HOLLOW SECTIONS, WITH 'BREATHER' HOLES IF MEMBERS TO BE HOT DIP GALVANIZED.

S11 ALL STEELWORK SHALL BE TEMPORARILY BRACED BY THE ERECTOR AS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION AND UNTIL PERMANENT STABILISING ELEMENTS HAVE BEEN CONSTRUCTED.

S12 STEELWORK TO BE CONCRETE ENCASED SHALL BE UNPAINTED.

S13 ALL STRUCTURAL STEELWORK BELOW GROUND SHALL BE CONCRETE ENCASED. MIN THICKNESS 75mm.

S15 STRUCTURAL STEELWORK NOT ENCASED IN CONCRETE SHALL HAVE THE FOLLOWING SURFACE TREATMENT IN ACCORDANCE WITH THE SPECIFICATION.

INTERNAL - 2 COATS OF ALKYD PRIMER OR 2 COATS OF ALKYD GLOSS

EXTERNAL - EXPOSED STEELWORK HOT DIPPED GALVANIZED

S16 ALL GALVANISING OF STRUCTURAL STEELWORK SHALL BE PROCESSED IN ACCORDANCE WITH AS 4680/1999 'GALVANIZED COATINGS ON FABRICATED FERROUS ARTICLES'. THE CONTINUOUS AVERAGE ZINC COATING MASS TO BE 600 g/m² (550 g/m² MINIMUM).

MASONRY

M1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 3700.

M2 STRENGTH OF BRICKS, CLASS OF BLOCKS AND TYPE OF MORTAR SHALL BE AS FOLLOWS:-

MATERIAL:	CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTH, F _{uc} :	MORTAR CLASSIFICATION:
BRICKS	12 or 15 MPa	M3
CONCRETE BLOCKS	20 MPa	M3

M3 MORTAR ADMIXTURES SHALL NOT BE USED WITHOUT THE WRITTEN APPROVAL OF THE SUPERINTENDENT.

M4 ALL MASONRY WALLS AND PIERS SUPPORTING SLABS AND BEAMS SHALL HAVE A PRE-GREASED GALVANIZED STEEL SLIP JOINT BETWEEN CONCRETE SOFFIT AND THE TOP OF THE MASONRY ELEMENT U.N.O.

M5 ALL MASONRY SUPPORTING OR SUPPORTED BY CONCRETE FLOORS SHALL BE PROVIDED WITH VERTICAL JOINTS TO MATCH ALL CONTROL JOINTS IN THE CONCRETE.

M6 NON LOAD BEARING WALLS SHALL BE SEPARATED FROM CONCRETE ABOVE BY 12mm THICK CLOSED CELL POLYETHYLENE STRIP.

M7 NO CHASES OR RECESSES ARE PERMITTED IN LOAD BEARING MASONRY WITHOUT THE APPROVAL OF THE ENGINEER.

M8 PROVIDE CLEANOUT HOLES AT BASE OF ALL WALLS. ROD CORE HOLES TO REMOVE PROTRUDING MORTAR AFTER APPROVAL FROM THE ENGINEER.

M9 CORE FILLING GROUT TO HAVE A CHARACTERISTIC STRENGTH OF 15 MPa, 10 mm AGGREGATE, 230 mm SLUMP. FILL ALL CORES.

M10 PROVIDE 65 mm COVER TO REINFORCING BARS FROM THE OUTSIDE FACE OF THE BLOCKWORK TO ALLOW ADEQUATE GROUT COVER.

M11 PROVIDE VERTICAL CONTROL JOINTS AT 10 m MAX CENTRES, AND 5 m MAXIMUM FROM CORNERS IN ALL BRICK WALLS.

M12 PROVIDE VERTICAL CONTROL JOINTS AT 8 m MAX CENTRES, AND 4 m MAXIMUM FROM CORNERS IN ALL CONCRETE BLOCK WALLS.

M13 BACKFILL TO RETAINING WALLS TO BE FREE DRAINING GRANULAR MATERIAL U.N.O. PROVIDE SUBSOIL DRAIN TO WEEP HOLES.

M14 DO NOT CONSTRUCT MASONRY WALLS ON SUSPENDED CONCRETE SLABS UNTIL SLAB HAS BEEN STRIPPED AND DE-PROPPED.

M15 ALL CAVITY CONSTRUCTION TO HAVE GALVANIZED / STAINLESS STEEL WALL TIES INSTALLED AS PER CLAUSE 3.4, AS 3700

PLUMBING PLACEMENT

PLUMBING PIPES UNDER ALL RAFT SLABS & STRIP FOOTINGS SHALL BE PLACED WITH A MINIMUM OF 50mm CLEARANCE BETWEEN UNDERSIDE OF FOOTING & TOP OF PIPE. ALTERNATIVELY, PENETRATIONS SHALL BE PERMITTED THROUGH THE MIDDLE THIRD OF EDGE OR STIFFENING BEAMS.

SLEEVES TO PLUMBING (CLASS 'M, H1, H2 & F' SITES ONLY)

ALL PENETRATIONS THROUGH FOOTINGS & EDGE BEAMS SHALL BE SLEEVED TO ALLOW MAXIMUM 20mm MOVEMENT AS PER AS 2870-2011, CLAUSE 5.6.4 (a).

ALL PLUMBING & DRAINAGE SERVICES ARE TO BE FITTED WITH FLEXIBLE CONNECTIONS AS PER AS 2870-2011, CLAUSE 5.6.3 & 5.6.4

TIMBER

T1 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS 1720. TIMBER SIZES WHERE NOT INDICATED SHALL BE IN ACCORDANCE WITH AS 1684.

T2 UNLESS NOTED OTHERWISE TIMBER SHALL BE STRUCTURAL MACHINE GRADED PINE (MGP) OF MINIMUM STRESS GRADE MGP10. GROUND FLOOR TIMBER FLOOR FRAMING SHALL BE HARDWOOD MIN STRESS GRADE F8. ALL TIMBER SHALL BE FREE OF SPLITS, WARPS AND GUM LINES.

T3 THE MAXIMUM PERMITTED UNDERSIZE TOLERANCES ON TIMBER SHALL BE:

UNSEASONED TIMBER
UP TO AND INCLUDING F7..... 4mm
F8 AND ABOVE..... 3mm

SEASONED TIMBER
ALL GRADES..... 0mm

T4 ROOF TRUSSES SHALL BE 'GANG-NAIL' OR APPROVED EQUIVALENT PREFABRICATED TRUSSES. TIMBER USED IN TRUSSES SHALL BE SEASONED PINUS RADIATA OF MINIMUM STRESS GRADE F5. THREE COPIES OF SHOP DETAIL DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER & APPROVAL OF THE SAME OBTAINED BEFORE COMMENCING FABRICATION. APPROVAL WILL NOT COVER DIMENSIONS OF LAYOUT. ROOF TRUSSES SHALL BE ERECTED AND BRACED IN ACCORDANCE WITH THESE DRAWINGS AND THE FABRICATORS DETAILS.

T5 FIXINGS ARE DESIGNATED ON THE DRAWING BY TYPE, NUMBER, DIAMETER AND LENGTH. FIXINGS SHALL BE IN ACCORDANCE WITH AS 2344, AS 3566, AS1111.1, AS 1393 OR AS 1442 AS APPROPRIATE.

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PROJECT:

ALTERATIONS & ADDITIONS
6 WEDGEWOOD CRESCENT
BEACON HILL NSW

DRAWING:

GENERAL NOTES

SCALE:

-

PROJECT No:

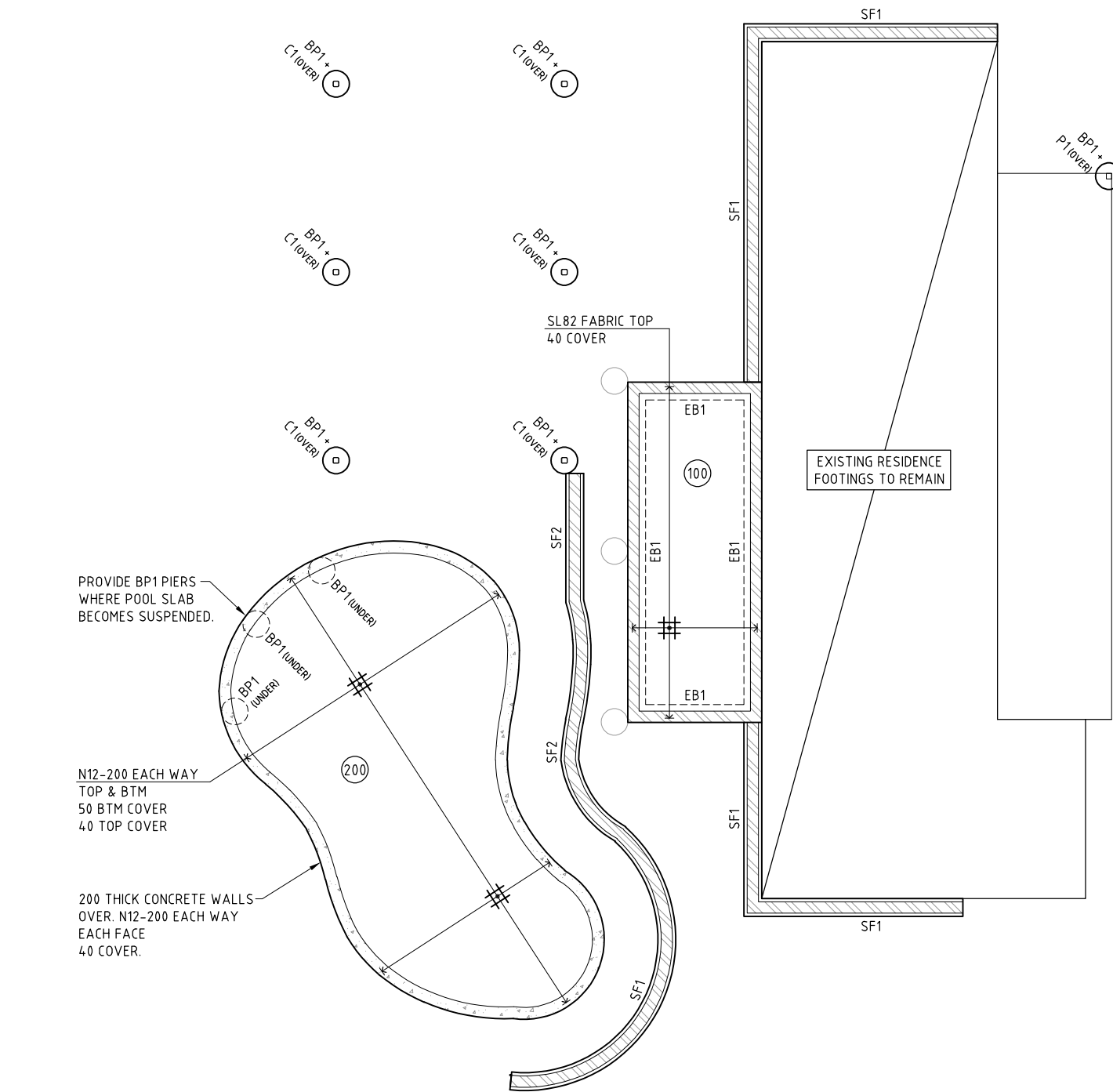
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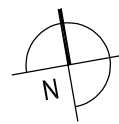
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DATE:

30/11/2024



**POOL & ENTERTAINMENT AREA
FOOTING LAYOUT PLAN**
SCALE 1:100

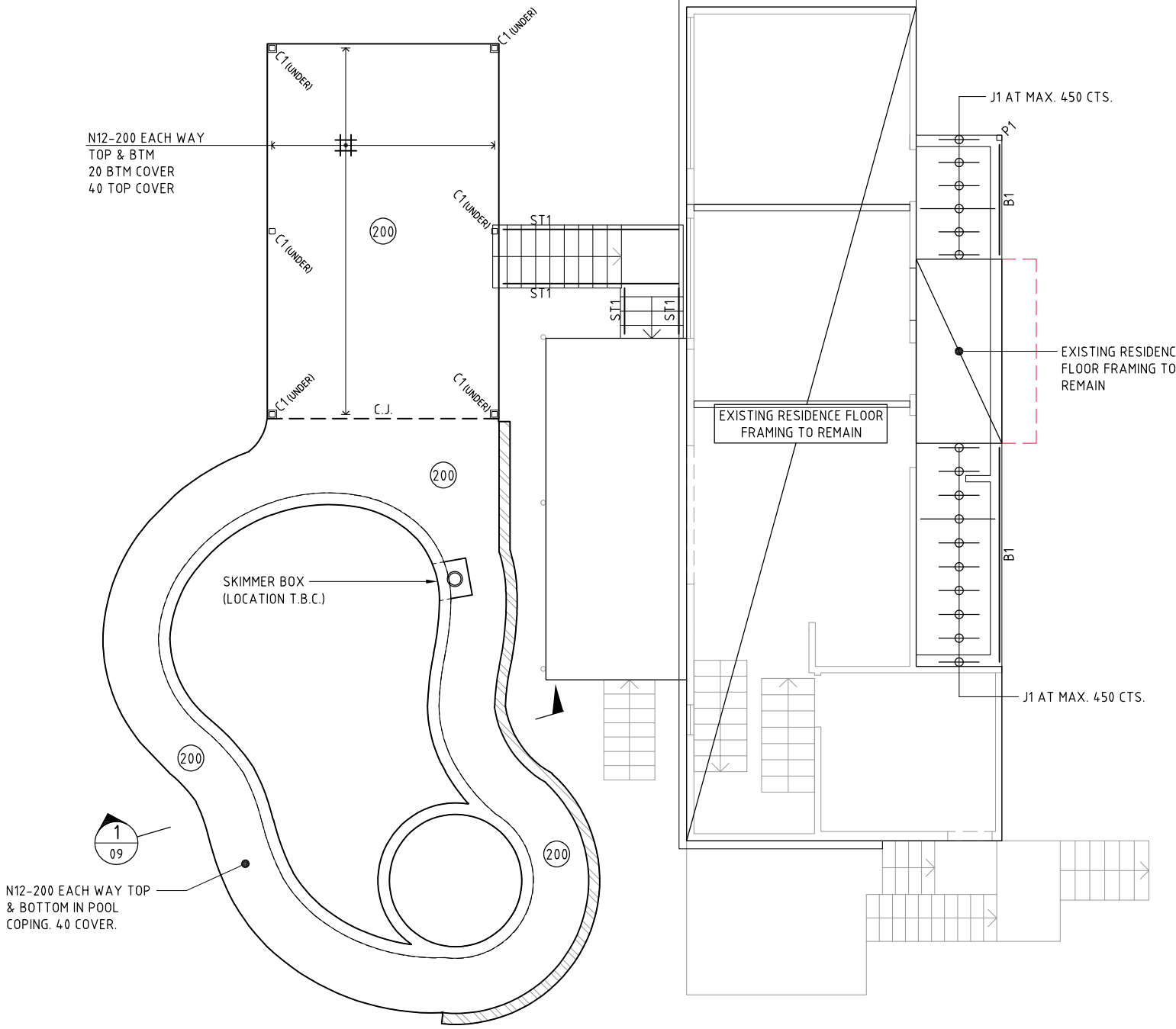


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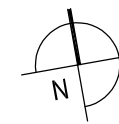
- 100 DENOTES: MINIMUM SLAB THICKNESS
- C.J. DENOTES: CONSTRUCTION JOINT. REFER DETAIL ON DRG ST-08.
- DENOTES: CORE-FILLED BLOCKWORK WALL OVER.
- DENOTES: REINFORCED CONCRETE WALL OVER.

CONCRETE QUALITY					
ELEMENT	SLUMP	AGGREGATE (MAX. SIZE)	CEMENT TYPE	ADMIXTURE	F _c (MPa)
FOOTINGS	100	20	GP	NIL	25
POOL	100	20	GP	NIL	32
CORE FILL	230	10	GP	NIL	15
SUSP. SLAB	100	20	GP	NIL	32

CONCRETE COVER
 CAST AGAINST MEMBRANE = 30mm
 CAST AGAINST UNPROTECTED GROUND = 50mm
 INTERNAL SURFACES = 20mm
 EXTERNAL SURFACES = 40mm



**LOWER GROUND FLOOR FOOTING & SLAB
LAYOUT PLAN**
SCALE 1:100



FOOTING SCHEDULE			
MARK	DESCRIPTION	SIZE	NOTES
BP1	BORED PIER	φ450 × 900 DEEP	OR TO ROCK
EB1	EDGE BEAM	300 WIDE × 300 DEEP	-
SF1	STRIP FOOTING	300 WIDE × 300 DEEP	-

MEMBER SCHEDULE			
MARK	DESCRIPTION	SIZE	NOTES
B1	BEARER	2/190×35 MGP10	H3 TREATED
C1	COLUMN	89×89×5.0 SHS	GRADE C350
J1	JOIST	120×35 MGP10	H3 TREATED
P1	POST	90×90 MGP10	H3 TREATED
ST1	STAIR STRINGER	180PFC	GRADE 300

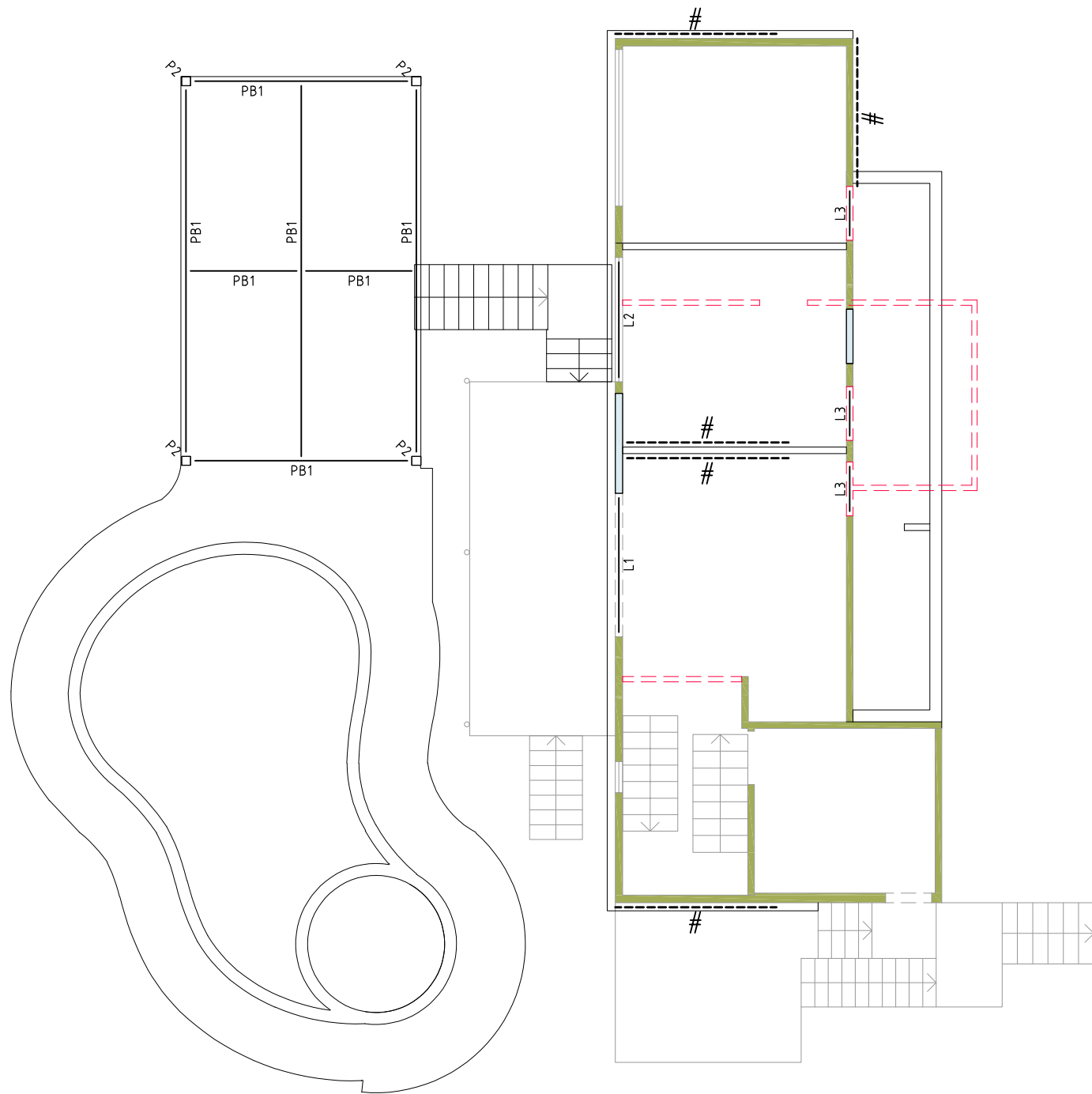
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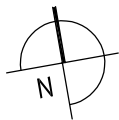
PROJECT:
ALTERATIONS & ADDITIONS
6 WEDGEWOOD CRESCENT
BEACON HILL NSW

DRAWING:
**LOWER GROUND FOOTING &
SLAB LAYOUT PLANS**
 SCALE:
1:100 AT A3

PROJECT No:
FX240041
 DRAWING No:
ST-03
 DATE:
30/11/2024







LOWER GROUND FLOOR LINTEL & WALL
FRAMING LAYOUT PLAN
SCALE 1:100



DEMOLITION NOTE:
BUILDER TO PROVIDE ALL NECESSARY
PROPPING AS REQUIRED DURING DEMOLITION
AND CONSTRUCTION IN ORDER TO ENSURE
THAT THE STRUCTURE REMAINS IN A STABLE
CONDITION AT ALL TIMES.

OPENING NOTE:
BUILDER TO PROVIDE 45x90 MGP10 (ON FLAT)
HEAD TRIMMERS TO ALL EXTERNAL OPENINGS
AS PER AS1684.
SINGLE TRIMMER FOR OPENINGS UP TO 2400
DOUBLE TRIMMER FOR OPENINGS UP TO 3600.

LEGEND:

-  DENOTES: EXISTING LOAD BEARING STUD-FRAMED WALL UNDER
-  DENOTES: NEW LOAD BEARING STUD-FRAMED WALL UNDER
-  DENOTES: EXISTING WALLS TO BE DEMOLISHED
-  DENOTES: TYPE B TENSION STRAP BRACING UNITS
2700 NOM. WIDE
MIN. 30°, MAX. 60° ANGLED STRAP

MEMBER SCHEDULE			
MARK	MEMBER	SIZE	NOTES
L1	LINTEL	2/240x45 MGP10	-
L2	LINTEL	2/190x45 MGP10	-
L3	LINTEL	2/90x35 MGP10	-
P2	POST	150x150 MGP10	H3 TREATED
PB1	PERGOLA BEAM	2/240x45 MGP10	H3 TREATED

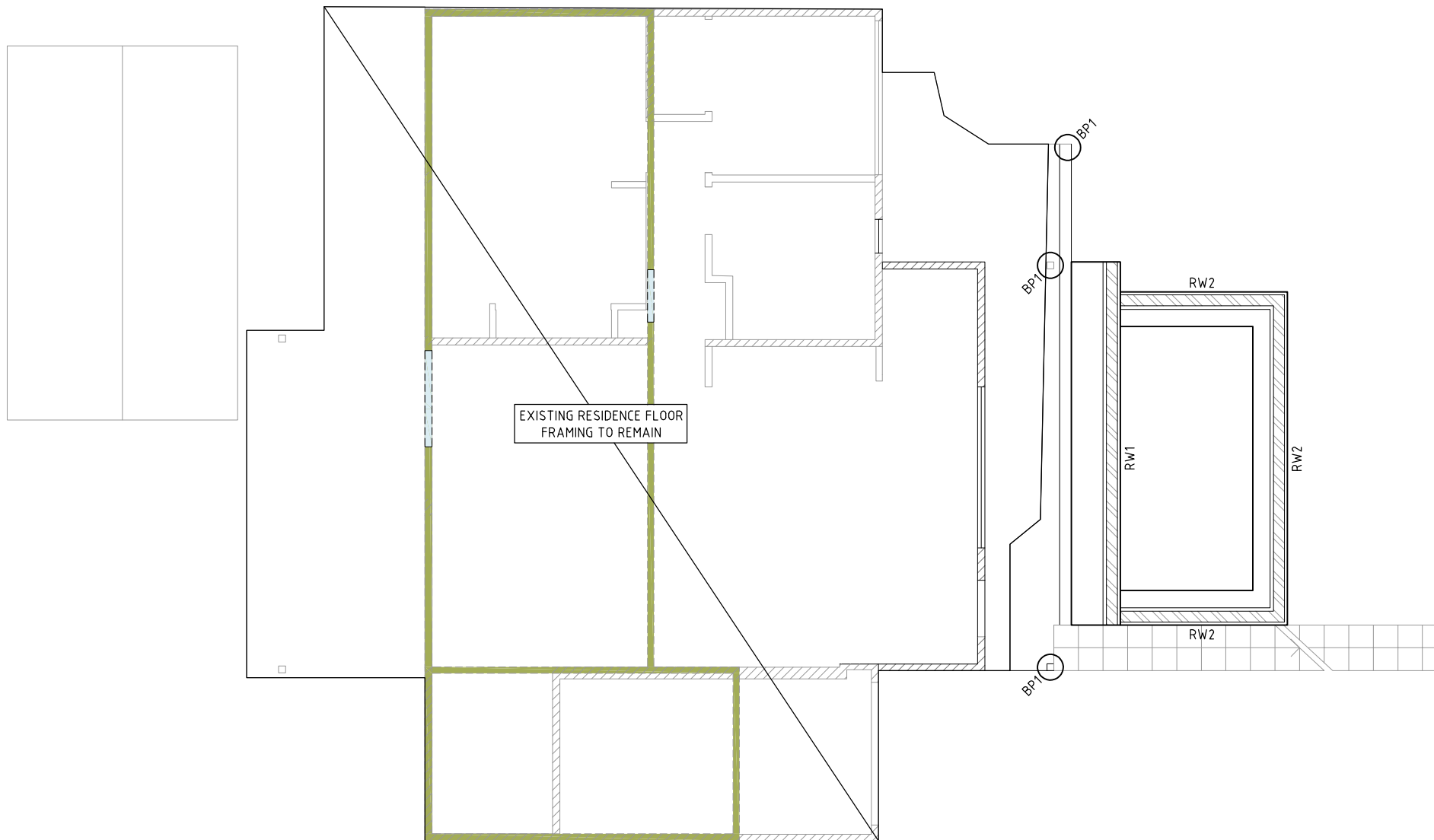
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BEACON HILL NSW

DRAWING:
**LOWER GROUND BRACING &
LINTEL LAYOUT PLAN**
SCALE:
1:100 AT A3

PROJECT No:
FX240041
DRAWING No:
ST-04
DATE:
30/11/2024

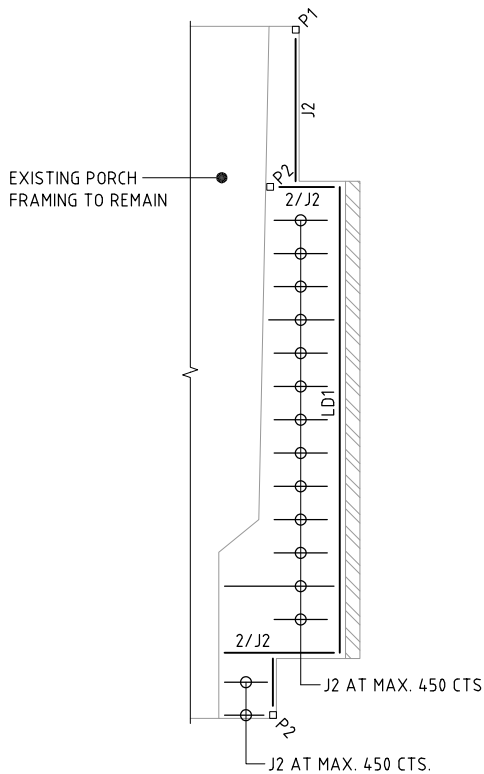


GROUND FLOOR FOOTING & FLOOR FRAMING
LAYOUT PLAN
SCALE 1:100

MEMBER SCHEDULE			
MARK	MEMBER	SIZE	NOTES
J2	JOIST	120×35 MGP10	H3 TREATED
LD1	LEDGER	120×35 MGP10	H3 TREATED
P1	POST	90×90 MGP10	H3 TREATED
P2	POST	90×90 MGP10	H3 TREATED

FOOTING SCHEDULE			
MARK	DESCRIPTION	SIZE	NOTES
BP1	BORED PIER	ø450 × 600 DEEP	OR TO ROCK
RW1	RETAINING WALL	REFER DETAIL	-
RW2	RETAINING WALL	REFER DETAIL	-

CONCRETE COVER
CAST AGAINST MEMBRANE = 30mm
CAST AGAINST UNPROTECTED GROUND = 50mm
INTERNAL SURFACES = 20mm
EXTERNAL SURFACES = 40mm



GROUND FLOOR PORCH FRAMING
PART PLAN
SCALE 1:100

CONCRETE QUALITY				
ELEMENT	SLUMP	AGGREGATE (MAX. SIZE)	CEMENT TYPE	ADMIXTURE
FOOTINGS	100	20	GP	NIL
CORE FILL	230	10	GP	NIL

LEGEND:

- DENOTES: EXISTING LOAD BEARING STUD-FRAMED WALL UNDER
- DENOTES: NEW LOAD BEARING STUD-FRAMED WALL UNDER
- DENOTES: EXISTING WALLS LOAD BEARING STUD-FRAMED WALLS OVER

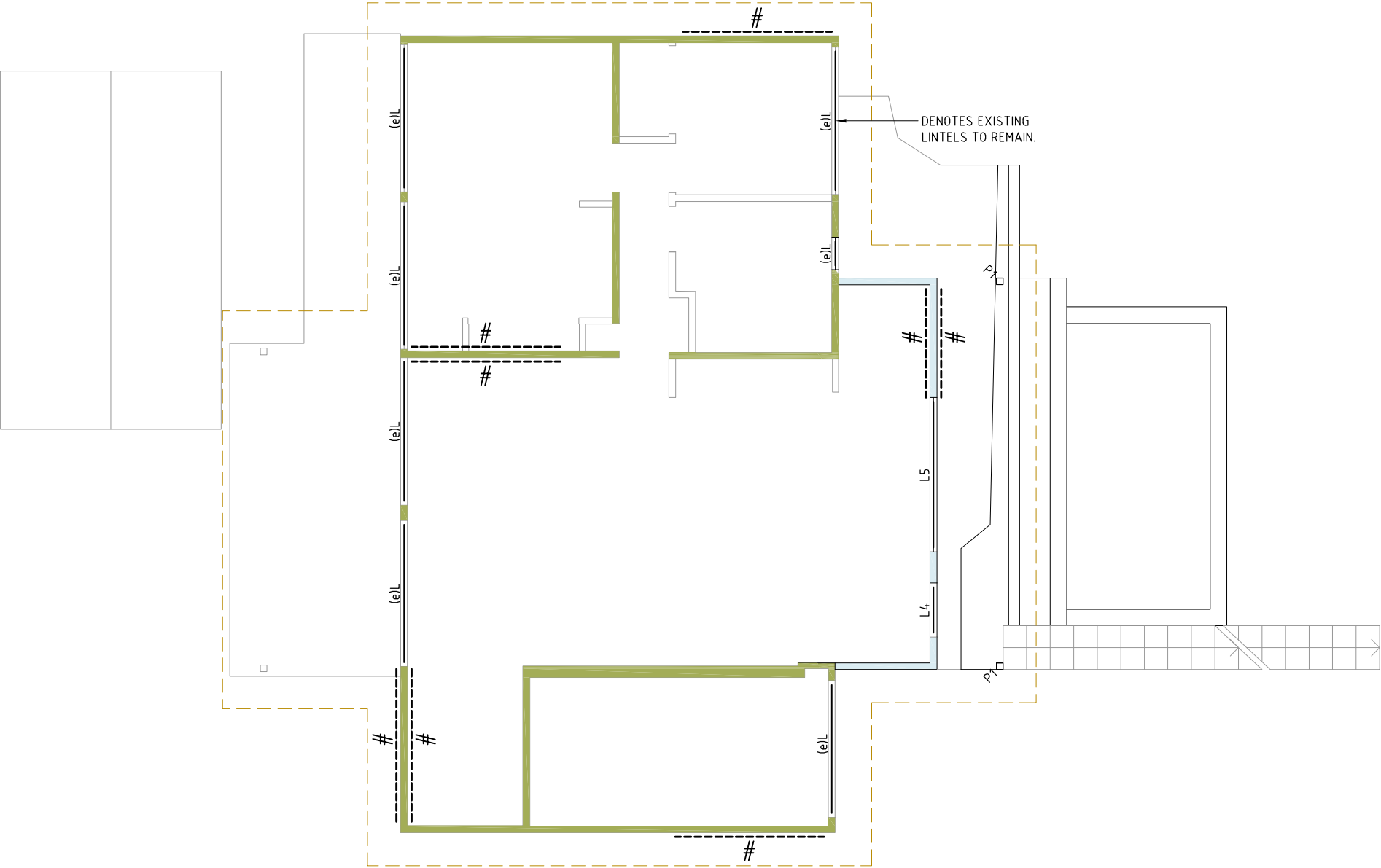
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ALTERATIONS & ADDITIONS
6 WEDGEWOOD CRESCENT
BEACON HILL NSW

DRAWING:
GROUND FLOOR FOOTING & FRAMING LAYOUT PLAN
SCALE:
1:100 AT A3

PROJECT No:
FX240041
DRAWING No:
ST-05
DATE:
30/11/2024



LEGEND:

- DENOTES: EXISTING LOAD BEARING STUD-FRAMED WALL UNDER
- DENOTES: NEW LOAD BEARING STUD-FRAMED WALL UNDER
- DENOTES: EXISTING WALLS TO BE DEMOLISHED
- DENOTES: TYPE B TENSION STRAP BRACING UNITS 2700 NOM. WIDE MIN. 30°, MAX. 60° ANGLED STRAP

GROUND FLOOR LINTEL SCHEDULE			
MARK	MEMBER	SIZE	NOTES
(e)L	EXISTING LINTEL	T.B.C. ON SITE	-
L4	LINTEL	2/120×45 MGP10	-
L5	LINTEL	2/190×45 MGP10	-
P2	POST	150×150 MGP10	H3 TREATED

GROUND FLOOR LINTEL & BRACING
LAYOUT PLAN
SCALE 1:100

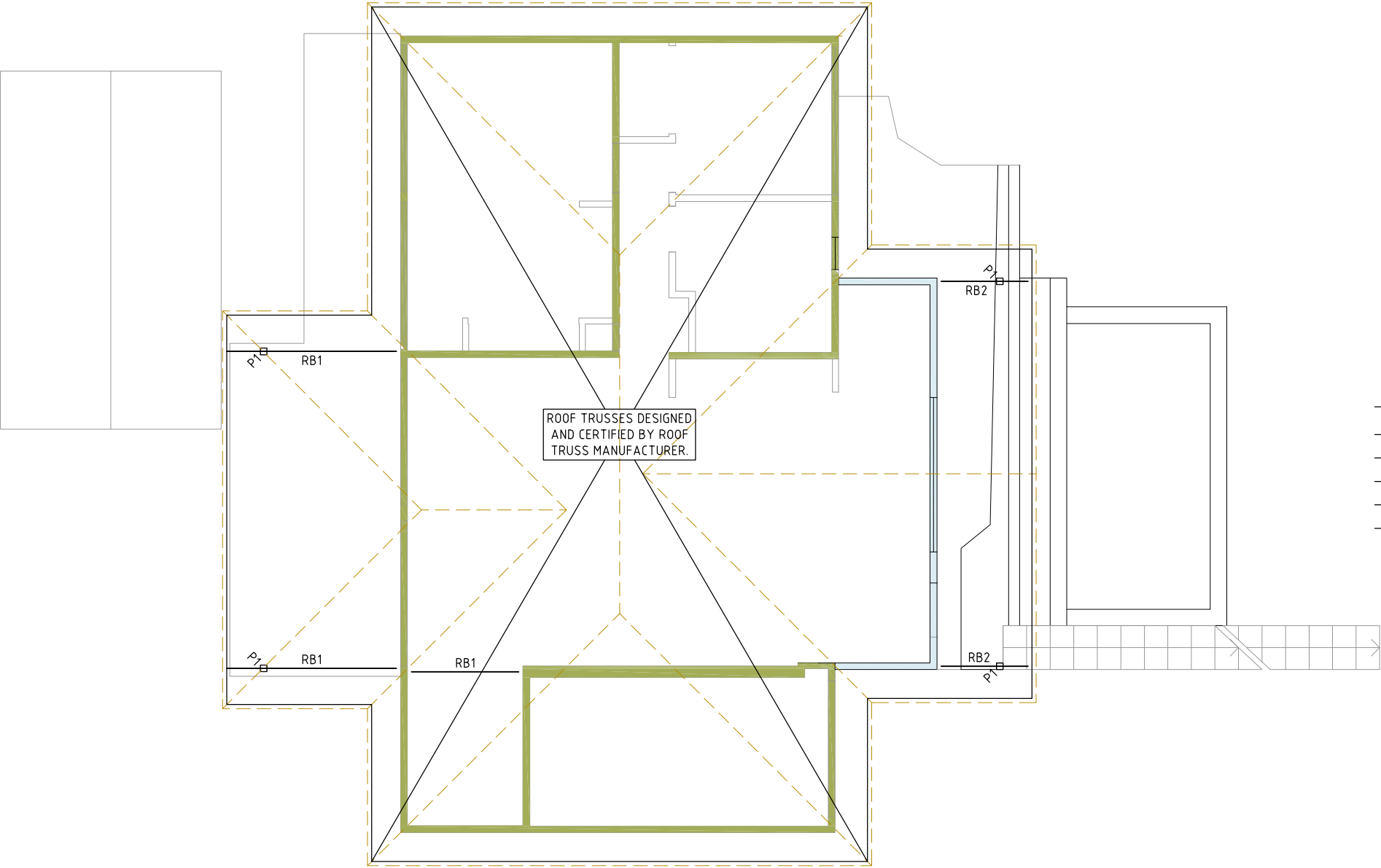
REV	DATE	DRAWN	DESCRIPTION
A	11.11.24	S. WHELAN	ISSUED FOR INFORMATION
B	30.11.24	S. WHELAN	ISSUED FOR APPROVAL



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BATTEN SPECIFICATION

ROOF BATTENS - 45x90 AT 1200 MAX. CTS
600 MAX. CTS AT EAVES

CEILING BATTENS- 38x42 AT 600 CTS. (F5 SEASONED)

BATTENS LAID FLAT & SPAN PERPENDICULAR TO TRUSSES

LEGEND:

- DENOTES: EXISTING LOAD BEARING STUD-FRAMED WALL UNDER
- DENOTES: NEW LOAD BEARING STUD-FRAMED WALL UNDER

ROOF FRAMING MEMBER SCHEDULE

MARK	MEMBER	SIZE	NOTES
RB1	ROOF BEAM	240x45 MGP10	H3 TREATED
RB2	ROOF BEAM	140x45 MGP10	H3 TREATED
P1	POST	150x150 MGP10	H3 TREATED

ROOF FRAMING LAYOUT PLAN
SCALE 1:100

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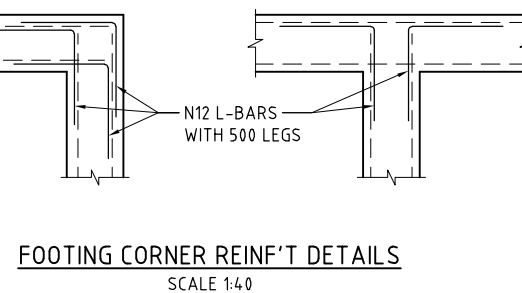


PROJECT:
ALTERATIONS & ADDITIONS
6 WEDGEWOOD CRESCENT
BEACON HILL NSW

DRAWING:
ROOF FRAMING LAYOUT PLAN

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1:100 AT A3

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30/11/2024



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ALTERATIONS & ADDITIONS

6 WEDGEWOOD CRESCENT

BEACON HILL NSW

PROJECT No:
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POOL NOTES

1. ALL MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH AS2783 AND LOCAL AUTHORITY RULES AND REGULATIONS.
2. SUPPORTING SOIL TO BE SOUND MATERIAL SOIL OR UNIFORM DEPTH FILL, COMPACTED IN UNIFORM LAYERS WITH A BEARING CAPACITY OF NOT LESS THAN 100 kPa.
3. ALL CONCRETE MATERIALS AND WORKMANSHIP TO BE IN ACCORDANCE WITH AS3600.
4. REINFORCEMENT TO BE 12mm DEFORMED BARS OF GRADE 254S (S12) OR GRADE 500N (N12) IN ACCORDANCE WITH AS1302.
5. ALL REINFORCEMENT SHALL BE FIXED TO OBTAIN CORRECT COVER TO BARS.
6. LAPS TO BE 500mm MIN. STAGGER FOR ADJACENT BARS. CLEAR COVER FROM CONCRETE SURFACE TO REINFORCEMENT SHALL BE AS FOLLOWS:

- MAIN REINFORCEMENT

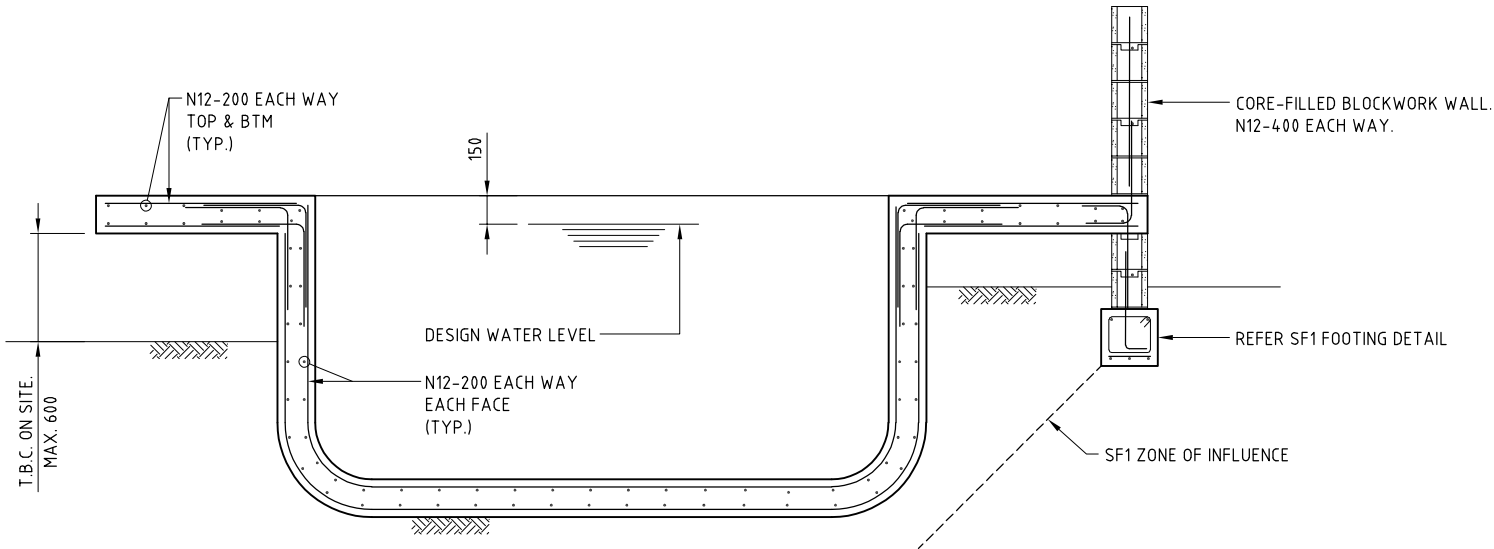
- 65mm TO GROUND FACE

- MAIN REINFORCEMENT

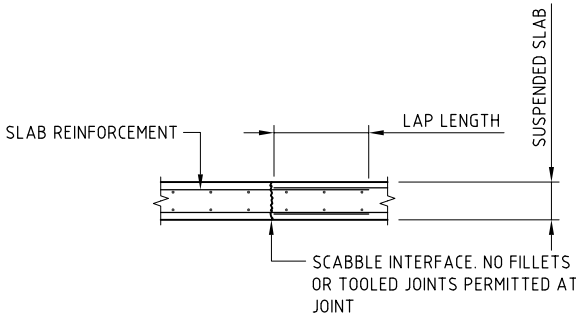
- 40mm TO WATER FACE

- COPING

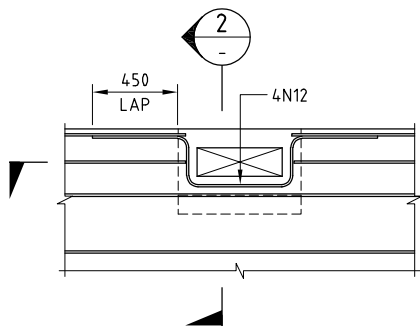
- 25mm TO TOP FACE
7. ALL CONCRETE TO BE 200mm THICK UNLESS NOTED OTHERWISE.
8. CONCRETE TO BE GRADE N32.
9. ALL STRUCTURAL CORNERS TO BE MIN. 300mm RADIUS IN PLAN UNLESS NOTED OTHERWISE.
10. CARE TO BE TAKEN WHEN PLACING AND COMPACTING CONCRETE TO ENSURE THAT NO VOIDS ARE PRESENT AROUND OPENINGS IN FLOOR AND WALLS AND AT CONSTRUCTION JOINTS. NOTE: PARTICULAR CARE SHALL BE TAKEN AT ALL PENETRATIONS.
11. CONCRETE TO BE MOIST CURED FOR AT LEAST 7 DAYS.
12. POOL FILLING AND SOIL BACKFILLING NOT TO BE CARRIED OUT UNTIL WALLS AND FLOOR HAVE REACHED DESIGN STRENGTH.
13. ALL DIMENSIONS AND LEVELS SHOWN ARE FOR STRUCTURAL CONCRETE ONLY. FINISHES TO ARCHITECT/POOL CONTRACTOR'S DETAILS.
14. COPING DESIGNED FOR SUPERIMPOSED LOADING OF UP TO 15 kPa.
15. REFER TO POOL CONTRACTOR FOR DETAILS OF FILTRATION UNIT SIZE AND TYPE, TYPE OF CHLORINATION AND PUMP CAPACITY.
16. REFER POOL CONTRACTOR FOR POSITION OF SKIMMER BOX.
17. REFER POOL CONTRACTOR FOR POSITION OF RETURNS TO POOL.
18. PLUMBING, DRAINAGE, ELECTRICAL AND SECURITY FENCING TO LOCAL AUTHORITY REQUIREMENTS.



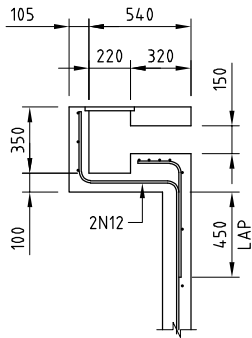
SECTION 1:40 1 03



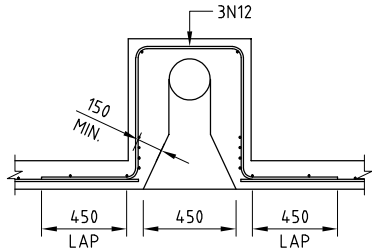
TYPICAL CONSTRUCTION JOINT DETAIL - C.J. SCALE 1:40



TYPICAL SKIMMER DETAIL SCALE 1:40



SECTION 1:40 2 -



SECTION 1:40 3 -

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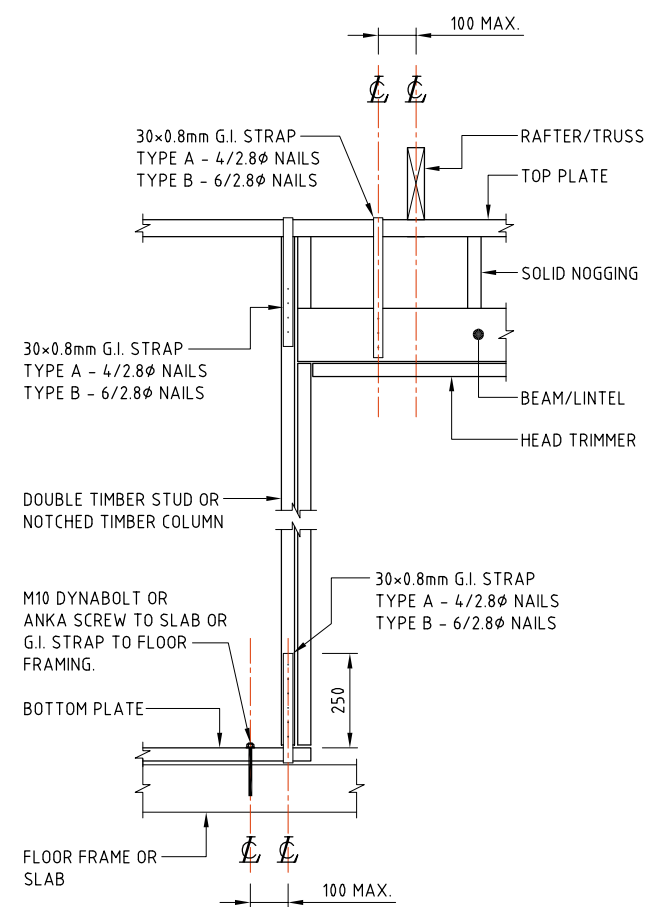


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BEACON HILL NSW

DRAWING:
POOL DETAILS

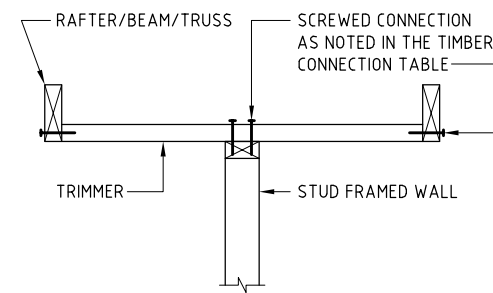
SCALE:
1:40 AT A3

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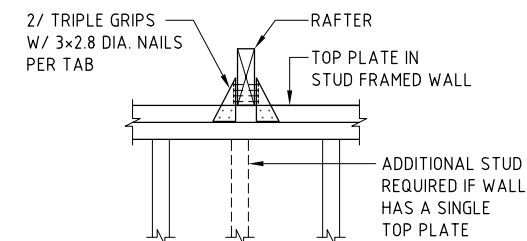


CONNECTION TYPE SHOWN ON
MEMBER SCHEDULE ON DRG. S07

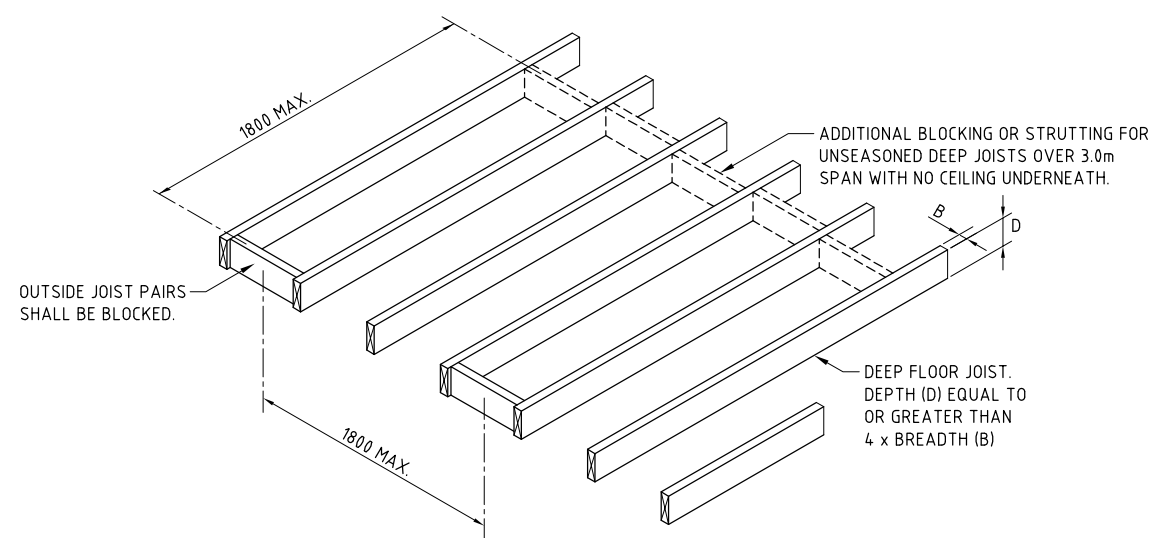
**TYPICAL LINTEL/BEAM TO JAMB/COLUMN
CONNECTION TYPE A & B**
SCALE 1:10



**TYPICAL TRIMMER TO TOP PLATE
CONNECTION DETAIL**
SCALE 1:10



**TYPICAL TRUSS TO TOP PLATE
CONNECTION DETAIL**
SCALE 1:10



TYPICAL FLOOR JOIST BLOCKING DETAIL
N.T.S.

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6 WEDGEWOOD CRESCENT
BEACON HILL NSW

DRAWING:
STRUCTURAL DETAILS

SCALE:
1:20 AT A3

PROJECT No:
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DRAWING No:
ST-10
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