

AD.STRUCTURE

PROPOSED RENOVATION (STAGE 2)

project address 12 NORHAM COURT

CARINDALE QLD 4152

designer JESSICA HARDWICK ARCHITECTURE

client MEREDITH & SCOTT

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project
PROPOSED RENOVATION (STAGE 2)
12 NORHAM COURT
CARINDALE QLD 4152

LOT.	RP/SP	BUILDING APPROVAL REFERENCE NUMBER
617	RP.175491	-

drawing title
COVER SHEET

client
MEREDITH & SCOTT

scale
N.T.S. @ A3

project no.
200030-B

drawing no.	rev.
S0.00	0

GENERAL NOTES

\\ THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ANY ISSUED SKETCHES, ARCHITECT/ BUILDING DESIGNER'S AND OTHER PROJECT CONSULTANTS' DOCUMENTATION. ANY DISCREPANCIES SHALL BE REFERRED TO THE STRUCTURAL ENGINEER IMMEDIATELY.

\\ REFER TO ARCHITECT'S / BUILDING DESIGNER'S DOCUMENTATION FOR ALL LEVELS, STEPS, FALLS AND SETOUT DIMENSIONS. CONFIRM ALL LEVELS AND DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORKS. DO NOT SCALE FROM THESE DRAWINGS. DIMENSIONS TAKE PRECEDENCE IN ALL CASES. IF IN DOUBT, ASK!

\\ ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL CONSTRUCTION CODE, RELEVANT CURRENT AUSTRALIAN STANDARDS, THE BUILDING ACT 1996, AND REQUIREMENTS OF RELEVANT AUTHORITIES.

\\ ALL MATERIALS AND PROPRIETARY PRODUCTS ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTION. WHERE PROPRIETARY PRODUCTS HAVE BEEN SPECIFIED, AN EQUIVALENT PRODUCT MAY BE SUBSTITUTED FOLLOWING WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER.

\\ ALL DIMENSION ARE IN MILLIMETRES (mm) UNLESS SPECIFICALLY NOTED OTHERWISE.

\\ WIND LOADS FOR THE PROJECT IN ACCORDANCE WITH AS4055 ARE AS FOLLOWS:

REGION	B
SHIELDING	FS
TOPOGRAPHY	T1
TERRAIN CATEGORY	TC3
WIND CLASSIFICATION	N2
SERVICE WIND SPEED	26 m/s
ULTIMATE WIND SPEED	40 m/s

NOTE: THESE LOADS ARE SUBJECT TO FACTORING IN ACCORDANCE WITH AS1170.2 FOR SPECIFIC APPLICATIONS. FOR GLAZING AND CLADDING, IT IS THE MANUFACTURER'S RESPONSIBILITY TO ENSURE THAT LOCAL PRESSURE COEFFICIENTS ARE APPLIED.

\\ UNLESS NOTED OTHERWISE, DESIGN LOADS USED FOR THE STRUCTURAL ELEMENTS DETAILED HEREIN ARE IN ACCORDANCE WITH AS1170.1, AS1170.2 & AS1170.4 AND ARE AS FOLLOWS:

RESIDENTIAL	
FLOORS GENERAL	1.5kPa
BALCONIES	2.0kPa
STAIRWAYS	2.0kPa

GEOTECHNICAL INFORMATION

VARIOUS STRUCTURAL ELEMENTS DETAILED HEREIN ARE BASED ON INFORMATION CONTAINED IN THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT:

PREPARED BY:	APOD SOIL TESTING P/L 53 DRAPERS ROAD EATONS HILL QLD 4037 PH: (07) 3264 6995
REPORT NUMBER:	R-11534
REPORT DATED:	20.02.20
SITE CLASSIFICATION: (TO AS2870)	CLASS "P" REACTIVITY SIMILAR TO CLASS "S"

SHOULD ACTUAL SITE CONDITIONS VARY FROM THOSE CONTAINED WITHIN THE ABOVE REPORT, THE STRUCTURAL ENGINEER IS TO BE NOTIFIED IMMEDIATELY AS CHANGES TO THE DESIGN MAY BE REQUIRED.

FILL MATERIAL SCHEDULE

FILL MATERIAL SHALL ADHERE TO THE FOLLOWING REQUIREMENTS, AND SHALL NOT CONTAIN ORGANIC OR DELETERIOUS MATERIALS. REFER AS3798 SECTION 4 FOR SUITABLE FILL MATERIALS.

BULK FILL	MATERIAL HAVING A MAXIMUM PARTICLE SIZE OF 100mm, PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 200mm AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM MOISTURE CONTENT (O.M.C.) TO ACHIEVE A DENSITY NOT LESS THAN 85% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS1289.5.1.1 (STANDARD COMPACTION).
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FREE DRAINING FILL 10-20mm NOMINAL GP (POORLY GRADED GRAVEL) COMPLYING WITH THE FOLLOWING PERCENTAGE PASSES:

26.5mm	100
19.0mm	70-100
13.2mm	1-100
9.52mm	0

FREE DRAINING FILL SHALL BE SEPARATED FROM OTHER FILL TYPES BY A GEOTEXTILE LAYER.

STRUCTURAL FILL	UNIFORM MATERIAL PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 150mm AT A MOISTURE CONTENT WITHIN 2% OF O.M.C. TO ACHIEVE A DENSITY NOT LESS THAN 98% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS1289.5.1.1 (STANDARD COMPACTION), AND TESTED IN ACCORDANCE WITH AS3798 SECTION 8.
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SERVICES LOCATION

ANY SERVICES SHOWN ON THESE PLANS ARE INDICATIVE ONLY, AND HAVE BEEN APPROXIMATED BY KNOWN LOCATIONS OF MANHOLES, VALVES, ETC. AND INFORMATION OBTAINED FROM THE SERVICES AUTHORITIES AND THE SITE SURVEY. DETAILS OF THESE SERVICES ARE PROVIDED FOR INFORMATION ONLY AND NO RESPONSIBILITY IS TAKEN AS TO THE COMPLETENESS OR ACCURACY OF THIS INFORMATION.

THE BUILDER SHALL ACCURATELY LOCATE ALL SERVICES WITHIN THE VICINITY OF CONSTRUCTION WORKS PRIOR TO COMMENCEMENT OF ANY EARTHWORKS OR FOUNDATIONS. SHOULD THERE BE ANY CLASH BETWEEN SERVICES AND STRUCTURE, THE STRUCTURAL ENGINEER IS TO BE NOTIFIED IMMEDIATELY.

BUILDING PLATFORM PREPARATION

\\ THE BUILDING PLATFORM SHALL BE PREPARED IN ACCORDANCE WITH AS3798 - GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS.

\\ THE SITE SHALL BE STRIPPED OF ALL TOPSOIL AND ORGANIC MATERIAL, AND EXCAVATED TO THE REQUIRED LEVELS AS SHOWN ON THE PROJECT DOCUMENTATION.

\\ PROOF ROLL USING A MINIMUM 3 TONNE TARE VEHICLE TO IDENTIFY ANY SOFT SPOTS.

\\ CUT AND/OR FILL THE SITE, INCLUDING REMOVING AND REPLACING ANY SOFT SPOTS, AS REQUIRED TO FORM A LEVEL BENCH, PLACING ALL FILL AS CONTROLLED STRUCTURAL FILL IN ACCORDANCE WITH AS3798. REFER FILL MATERIAL SCHEDULE FOR STRUCTURAL FILL REQUIREMENTS.

\\ ENSURE THE HIGH SIDE OF THE CUT IS GRADED WELL AWAY FROM THE BUILDING AREA SO AS TO ALLOW WATER TO DRAIN FREELY AWAY.

ROOF SYSTEMS

\\ TIMBER ROOF TRUSSES BY OTHERS. INDICATIVE LAYOUT WHERE SHOWN ON THESE DRAWINGS IS FOR THE PURPOSE OF DESIGN OF SUPPORTING ELEMENTS. TRUSS MANUFACTURER TO DESIGN ALL ELEMENTS OF THE STRUCTURAL SYSTEM INCLUDING TOP CHORD AND BOTTOM CHORD BRACING AND REQUIRED TIEDOWN CONNECTION TO SUPPORTING FRAME. SHOP DRAWINGS AND RPEQ CERTIFICATION OF THE DESIGN TO BE SENT TO THIS OFFICE 7 DAYS PRIOR TO THE COMMENCEMENT OF MANUFACTURING AND/OR FOOTING EXCAVATION, WHICHEVER COMES FIRST.

\\ PREFABRICATED ROOFING SYSTEM BY OTHERS. INDICATIVE LAYOUT WHERE SHOWN ON THESE DRAWINGS IS FOR THE PURPOSE OF DESIGN OF SUPPORTING ELEMENTS. MANUFACTURER TO DESIGN ALL ELEMENTS OF THE STRUCTURAL SYSTEM INCLUDING REQUIRED TIEDOWN CONNECTION TO SUPPORTING FRAME. REFER MANUFACTURER FOR INSTALLATION SPECIFICATIONS.

FOOTINGS AND SLABS ON GROUND

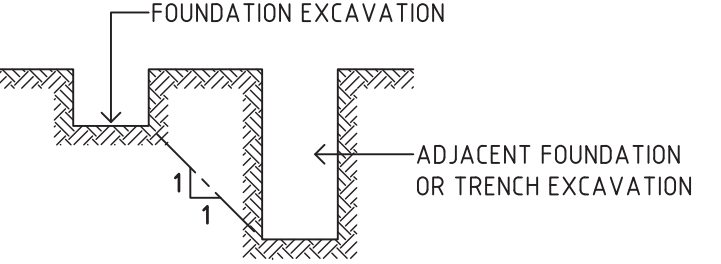
\\ FOOTING AND SLAB ON GROUND DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH AS2870 - RESIDENTIAL SLABS AND FOOTINGS (WHERE APPLICABLE), AS3600 - CONCRETE STRUCTURES, AND THE SITE GEOTECHNICAL INVESTIGATION REPORT

\\ ALL FOOTING AND TRENCH EXCAVATIONS ARE TO BE MAINTAINED IN A STABLE CONDITION AND FREE OF WATER BY PROVISION OF DRAINAGE AND/OR DEWATERING TO A SUITABLE LOCATION FOR COLLECTION AND REMOVAL.

\\ FOUNDATION MATERIAL SHALL BE EITHER NATURAL MATERIAL OF THE REQUIRED MINIMUM BEARING CAPACITY AS NOMINATED ON THE DRAWINGS, OR STRUCTURAL FILL AS DEFINED BY THE FILL MATERIAL SCHEDULE.

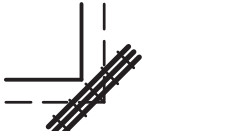
\\ ALL EXCAVATIONS FOR FOUNDATIONS SHALL BE INSPECTED PRIOR TO PLACEMENT OF ANY CONCRETE TO CONFIRM REQUIRED BEARING CAPACITIES ARE ACHIEVED.

\\ FOUNDATION AND TRENCH EXCAVATION SHALL NOT BE PLACED WITHIN A MAX. 1:1 SLOPE ZONE OF INFLUENCE AS SHOWN BELOW UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL ENGINEERING DOCUMENTATION.



\\ SLABS ON GROUND SHALL BE POURED ON A 200µm POLYTHENE ("BLACK") PLASTIC FILM, LAPPED AND TAPED AS JOINTS, OVER 50mm MIN. OF BEDDING SAND UNLESS NOTED OTHERWISE. REFER ARCHITECT/BUILDING DESIGNER FOR ANY WATERPROOFING REQUIREMENTS.

\\ TRIM SLAB ON GROUND RE-ENTRANT CORNERS WITH 3N12 or 3-L11TM x 1500 LONG TIED TO THE UNDER SIDE OF THE SLAB REINFORCEMENT.



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GENERAL CONCRETE

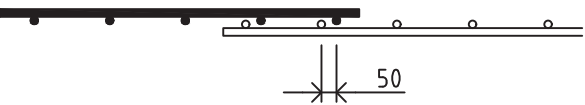
- \. ALL CONCRETE MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH **AS3600** – CONCRETE STRUCTURES.
- \. FORMWORK SHALL BE IN ACCORDANCE WITH **AS3610** – FORMWORK FOR CONCRETE. SURFACES EXPOSED TO VIEW IN THE COMPLETED PROJECT SHALL BE **CLASS 2, CLASS 4** ELSEWHERE.
- \. SIZES OF CONCRETE ELEMENTS ARE MINIMUM SIZES AND EXCLUDE ANY TOPPINGS AND/OR APPLIED FINISHES.
- \. CAST-IN ELEMENTS, INCLUDING CONDUITS, PIPES, ETC. SHALL NOT BE PLACED WITHIN COVER CONCRETE.
- \. ALL REINFORCEMENT SHALL COMPLY WITH **AS/NZS4671**.

\. REINFORCEMENT SHOWN ON THE DRAWINGS IS REPRESENTED DIAGRAMMATICALLY, AND DOES NOT NECESSARILY REFLECT ITS TRUE PROJECTION.

\. BAR LAPS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

BAR SIZE	VERTICAL LAP	HORIZONTAL LAP
N12	500	500
N16	600	600
N20	700	800

\. FABRIC LAPS SHALL BE AS SHOWN BELOW, AND WIRED TOGETHER AT **1000mm MAX. CRS.**



\. FABRIC SHALL BE SUPPORTED AT **800mm MAX. CRS.** IN BOTH DIRECTIONS. REINFORCEMENT IS TO BE SUPPORTED AT **1000mm MAX. CRS.** ON BAR CHAIRS OR HANGERS. FOR EXPOSURE CLASSIFICATIONS OF B1 OR GREATER, USE PLASTIC BAR CHAIRS ONLY.

- \. CONCRETE SHALL HAVE A MAXIMUM AGGREGATE SIZE OF **20mm** WITH **80mm** MAX. SLUMP.
- \. ALL CONCRETE SHALL BE THOROUGHLY COMPACTED USING MECHANICAL VIBRATION EQUIPMENT.
- \. ALL REINFORCEMENT IS TO BE INSPECTED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY CONCRETE. PROVIDE A MINIMUM OF **48 HOURS** NOTICE TO THE ENGINEER FOR INSPECTIONS

MASONRY

- \. DESIGN OF MASONRY ELEMENTS HAS BEEN CARRIED OUT IN ACCORDANCE WITH **AS3700** – MASONRY STRUCTURES.
- \. MASONRY UNITS SHALL HAVE A MINIMUM UNCONFINED COMPRESSIVE STRENGTH OF **15 MPa** AND SHALL BE IN ACCORDANCE WITH **AS4455** – MASONRY UNITS AND SEGMENTAL PAVERS.
- \. GROUT SHALL BE GRADE **S20** WITH **6mm** MAX. AGGREGATE SIZE AND **200mm** SLUMP, WITH A MINIMUM PORTLAND CEMENT CONTENT OF **300kg/m³**.
- \. CORE FILLED WALLS SHALL BE GROUTED IN NO GREATER THAN **1200mm** HIGH LIFTS.
- \. WALL TIES IN CAVITY WALLS SHALL BE OF DURABILITY CLASS **R3** TO **AS2699.1** – BUILT-IN COMPONENTS FOR MASONRY CONSTRUCTION – WALL TIES.

\. MORTAR SHALL BE OF DURABILITY CLASS **M3** U.N.O. FOR GENERAL APPLICATIONS: 1 PART TYPE GP CEMENT, 5 PARTS SAND PLUS WATER THICKENER or 1 PART TYPE GP CEMENT, 1 PART LIME, 6 PARTS SAND.

\. CLEAN-OUT BLOCKS SHALL BE PROVIDED TO THE BASE COURSE OF ALL CORES TO BE GROUT FILLED. ANY MORTAR DROPPINGS, DUST, DIRT, ETC. SHALL BE REMOVED IMMEDIATELY PRIOR TO CORE FILLING.

\. CONTROL JOINTS SHALL BE SPACED AT NO GREATER THAN **8000mm** CENTRES UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL

- \. ALL STRUCTURAL STEEL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH **AS4100** – STEEL STRUCTURES AND **AS4600** – COLD FORMED STEEL STRUCTURES.
- \. ALL STEELWORK SHALL BE **GRADE 300** GENERALLY AND **GRADE 450** FOR COLD FORMED SECTIONS UNLESS NOMINATED OTHERWISE. HOLLOW SECTIONS GRADE IS DETERMINED BY SIZE AND THICKNESS OF THE MEMBER SHOWN ON THE DRAWINGS.
- \. UNLESS NOMINATED OTHERWISE ALL STEEL TO STEEL CONNECTIONS SHALL BE CONSTRUCTED FROM **10mm PLATE** WITH **2M16 GRADE 8.8/S** BOLTS.
- FIXINGS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER’S DOCUMENTATION. EMBEDMENT DEPTH SPECIFIED REFERS TO THE MINIMUM EMBEDMENT INTO THE SUBSTRATE AND EXCLUDES ANY TOPPINGS, GROUTS, CLADDING, RENDER, ETC.

\. UNLESS NOTED OTHERWISE ALL WELDS SHALL BE **6mm** CONTINUOUS FILLET WELDS (CFW) CATEGORY **SP** USING **48xx** ELECTRODES. WHERE ALTERNATIVE WELDING METHODS ARE PROPOSED, THE WELD SHALL PROVIDE A MINIMUM EQUIVALENT CAPACITY. ALL WELDS SHALL BE IN ACCORDANCE WITH **AS1554**.

\. THE DOCUMENTATION SHOWS SUFFICIENT DETAIL TO COMMUNICATE THE DESIGN INTENT AND AS SUCH DOES NOT CONSTITUTE SHOP DRAWINGS. DETAILED WORKSHOP DRAWINGS SHOULD BE SUBMITTED TO THE STRUCTURAL ENGINEER AT LEAST **7 DAYS** PRIOR TO COMMENCEMENT OF FABRICATION.

\. CONTRACTOR SHALL SUPPLY ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL TO STEEL AND TIMBER TO STEEL AND OTHER ELEMENTS WHETHER OR NOT DETAILED ON THE DRAWINGS.

\. STRUCTURAL STEEL SHALL BE TREATED IN ACCORDANCE WITH THE PROTECTIVE COATINGS SCHEDULE.

PROTECTIVE COATINGS SCHEDULE

ALL STRUCTURAL STEELWORK AND ASSOCIATED PLATES, CLEATS, BOLTS, NUTS, WASHERS, ETC. SHALL HAVE PROTECTIVE COATINGS APPLIED ACCORDING TO ITS EXPOSURE STATE IN THE COMPLETED PROJECT AS FOLLOWS:

EXTERNAL ENVIRONMENT STRUCTURAL STEEL INCLUDING CAST IN TO FOOTINGS	SAND BLASTED TO AS1627 CLASS 2.5 SURFACE PREPARATION AND HOT DIPPED GALVANISED AFTER FABRICATION TO PROVIDE A COATING THICKNESS OF 100 MICRONS WITH A MINIMUM ZINC CONTENT OF 600g/m²
	WELD AND CUT EDGES POWER BRUSH OR HAND TOOL CLEAN TO AS1627.2 CLASS 2 ALL WELDS AND CUT EDGES APPLY ONE COAT OF DULUX ZINC RICH 1P OR EQUIV. TO ACHIEVE A DRY FILM THICKNESS OF 50 to 60 MICRONS . CLEAN AND DEGREASE ALL SURFACES TO BE PAINTED WITH MILD ALKALINE DEGREASER OR METHYLATED SPIRITS. APPLY FIRST COAT OF DUREBILD GPE TO ACHEIVE DRY FILM THICKNESS OF 125 MICRONS . FINAL COAT DULUX LUXATHANE TO ACHIEVE DRY FILM THICKNESS OF 50 to 60 MICRONS .
EXTERNAL ENVIRONMENT DURAGAL ABOVE GROUND	
EXTERNAL ENVIRONMENT DURAGAL COLUMNS CAST INTO CONCRETE	APPLY TO COLUMN 200mm ABOVE AND BELOW TOP OF CONCRETE
	WELD AND CUT EDGES POWER BRUSH OR HAND TOOL CLEAN TO AS1627.2 CLASS 2 ALL WELDS AND CUT EDGES APPLY ONE COAT OF DULUX ZINCANODE 402 OR EQUIV. TO ACHIEVE A DRY FILM THICKNESS OF 75 MICRONS . CLEAN AND DEGREASE ALL SURFACES TO BE PAINTED WITH MILD ALKALINE DEGREASER OR METHYLATED SPIRITS. APPLY FIRST COAT OF DUREBILD STE TO ACHEIVE DRY FILM THICKNESS OF 150 – 200 MICRONS . FINAL COAT DULUX WEATHERMAX HBR TO ACHIEVE DRY FILM THICKNESS OF 125 MICRONS .
INTERNAL ENVIRONMENT STRUCTURAL STEEL	SAND BLASTED TO AS1627 CLASS 2.5 SURFACE PREPARATION, PRIMED WITH INORGANIC ZINC SILICATE PRIMER TO ACHIEVE AN AVERAGE DRY FILM THICKNESS OF 75 MICRONS . AT NO POINT SHOULD THE DRY FILM THICKNESS BE LESS THAN 65 MICRONS . FINISH COAT TO BE IN ACCORDANCE WITH BUILDING DESIGNER’S DOCUMENTATION



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STRUCTURAL TIMBER

\. DESIGN OF STRUCTURAL TIMBER ELEMENTS HAS BEEN CARRIED OUT IN ACCORDANCE WITH **AS1720** – TIMBER STRUCTURES, AND **AS1684** – RESIDENTIAL TIMBER FRAMED CONSTRUCTION.

\. EXTERNAL TIMBER SHALL BE HARDWOOD OF DURABILITY **CLASS 1 or** SOFTWOOD TREATED TO **(H3)** & PAINTED IN ACCORDANCE WITH NOTE BELOW .

\. THE FOLLOWING STRENGTH GROUPS AND JOINT GROUPS HAVE BEEN ADOPTED FOR THE DESIGN UNLESS NOTED OTHERWISE:
SOFTWOODS – MGP10 STRENGTH GROUP SD6 JOINT GROUP JD4
HARDWOODS – F17 KD. MINIMUM STRENGTH GROUP SD3 JOINT GROUP JD2

\. ALL BOLTS IN TIMBER to TIMBER CONNECTIONS SHALL BE GRADE 4.6/S WITH SIZES AS SPECIFIED ON THE DRAWINGS. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANISED. HOLES SHALL BE EXACT SIZE, AND WASHERS UNDER HEADS AND NUTS SHALL BE AT LEAST 2.5 TIMES THE BOLTS DIAMETER.

\. WHERE DEPTH OF FLOOR JOISTS IS EQUAL TO OR EXCEEDS 4 TIMES THE BREADTH, THE JOISTS SHALL BE RESTRAINED AT THEIR SUPPORTS WITH A CONTINUOUS TRIMMING JOIST PROVIDED TO THE ENDS OF JOISTS ABOVE EXTERNAL BEARERS OR WALL PLATES.

\. FINISHING RECOMMENDATIONS FOR EXTERNAL TIMBERS TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS:
ALL TIMBER MEMBERS INCLUDING BEARERS, JOISTS VERANDAH BEAMS AND COLUMNS TO BE PAINTED OR STAINED ALL AROUND PRIOR TO INSTALLATION.

HARDWOOD FRAMING: MINIMUM DURABILITY CLASS 1 OR 2 PAINTED FINISH – PRIMER + UNDERCOAT + MINIMUM OF 2 COATS OF SOLVENT BORNE OR WATER BORNE PAINT. COLOUR TO DESIGNER OR CLIENT SELECTION.
STAINED FINISH – PRIMER + MINIMUM 2 COATS OF SOLVENT BORNE OR WATER BORNE OPAQUE STAIN.
SOFTWOOD FRAMING: H3 TREATED PAINTED FINISH – PRIMER + UNDERCOAT + MINIMUM OF 2 COATS OF SOLVENT BORNE OR WATER BORNE PAINT. COLOUR TO DESIGNER OR CLIENT SELECTION.
STAINED FINISH – PRIMER + MINIMUM 2 COATS OF SOLVENT BORNE OR WATER BORNE OPAQUE STAIN. or WATER REPELLANT PRESERVATIVE + 2 COATS OF SOLVENT BORNE STAIN.

\. FOR **LAMINATED BEAMS EXPOSED TO WEATHER** A MINIMUM PRESERVATIVE TREATMENT TO **H3** IN ACCORDANCE WITH **AS1604.4** SHALL BE APPLIED. FOR DECKS APPLY A **MALTHOID** CAPPING TO THE TOP SURFACE OF THE MEMBERS PRIOR TO INSTALLATION OF DECKING BOARDS.

\. TERMITE PROTECTION TO BE IN ACCORDANCE WITH **AS3660**



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NOMINAL FIXINGS FOR TIMBER MEMBERS TO AS1684.2	
JOINT	MINIMUM FIXING FOR EACH JOINT
FLOOR FRAMING	
BEARER TO TIMBER STUMP/POST	4/75 x 3.33mm or 5/75 x 3.05mm MACHINE DRIVEN NAILS PLUS 1/30 x 0.8 G.I. STRAP OVER BEARER AND FIXED BOTH ENDS TO STUMP WITH 4/30 x 2.8mm DIA. FLAT HEAD NAILS EACH END; or 1/M10 BOLT THROUGH THE BEARER HALVED TO STUMP or 1/M12 CRANKED BOLT FIXED VERTICALLY THROUGH BEARER AND BOLTED TO STUMP PLUS 4/75 x 3.33mm OR 5/75 x 3.05mm MACHINE DRIVEN NAILS
BEARER TO MASONRY COLUMN/WALL/PIER (EXCLUDING MASONRY VENEER CONSTRUCTION)	1/M10 BOLT or 1/50 x 4mm MILD STEEL BAR FIXED TO BEARER WITH M10 BOLT CAST INTO MASONRY (TO FOOTING)
BEARER TO CONCRETE STUMP/POST	1/6mm DIA. ROD CAST INTO STUMP VERTICALLY THROUGH BEARER AND BENT OVER
BEARERS TO STEEL POST	1/M10 COACH SCREW OR BOLT
FLOOR JOIST TO BEARER	2/75 x 3.05mm DIA NAILS
WALL FRAMING	
PLATES TO STUDS	PLATES UP TO 38mm THICK – 2/75 x 3.05mm NAILS THROUGH PLATE; PLATES 38mm to 50mm THICK – 2/90 x3.05mm NAILS THROUGH PLATE; or 2/75 x 3.05mm NAILS SKEWED THROUGH STUD INTO PLATE
NOGGINGS TO STUDS	2/75 x 3.05mm NAILS SKEWED OR THROUGH NAILED
TIMBER BRACES TO STUDS OR PLATES	2/50 x 2.8mm DIA. FLAT HEAD NAILS AT EACH JOINT
LINTEL TO JAMB STUD	2/50 x 2.8mm DIA. FLAT HEAD NAILS AT EACH JOINT
BOTTOM PLATE TO JOISTS	PLATES UP TO 38mm THICK – 2/75 x 3.05mm NAILS AT 600mm MAX. CRS.; PLATES 38mm to 50mm THICK – 2/90 x3.05mm NAILS AT 600mm MAX. CRS.
BOTTOM PLATES TO CONCRETE SLAB	1/75 x 3.05mm NAIL (HAND DRIVEN AT SLAB EDGE), SCREW OR BOLT AT NOT MORE THAN 1200mm CRS.
RIBBON PLATE TO TOP PLATE	REFER TO CLAUSE 2.5 AND CLAUSE 9.2.10 OF AS1684.2
MULTIPLE STUDS	1/75 x 3.05mm NAIL AT 600 mm MAX CENTRES
POST TO BEARERS OR JOISTS	1/M12 or 2/10 BOLTS (UNLESS SPECIFIED OTHERWISE)

NOMINAL FIXINGS FOR TIMBER MEMBERS TO AS1684.2	
JOINT	MINIMUM FIXING FOR EACH JOINT
ROOF FRAMING	
ROOF TRUSSES TO TOP PLATES	1/FRAMING ANCHOR WITH 3/2.8mm DIA. NAILS TO EACH LEG; or 1/30 x 0.8mm G.I. STRAP OVER TRUSS WITH STRAP ENDS FIXED WITH 3/30 x 2.8mm DIA. NAILS PLUS 2/75 x 3.05mm SKEW NAILS
RAFTERS TO TOP PLATES - COUPLE ROOF	2/75 x 3.05mm NAILS PLUS, WHERE ADJOINING A CEILING JOIST OF - 38mm THICK – 2/75 x 3.05 NAILS; or 50mm THICK – 2/90 x 3.05 NAILS, FIXING TO JOIST OR RAFTER
RAFTERS TO TOP PLATES NON COUPLED ROOF	2/75 x 3.05mm SKEW NAILS
CEILING JOISTS TO TOP PLATES	2/75 x 3.05mm SKEW NAILS
CEILING JOISTS TO RAFTERS	IN COUPLED ROOF CONSTRUCTION, 1/75 x 3.33 HAND DRIVE NAIL; OR 2/75 x 3.05mm SKEW NAILS
COLLAR TIES TO RAFTERS	1/M10 BOLT FOR TIES OVER 4.2m OR 3/75 x 3.05mm NAILS FOR TIES UP TO 4.2m LONG
VERANDAH BEAMS AND ROOF BEAMS TO POST	1/M12 OR 2/M10 BOLTS (UNLESS SPECIFIED OTHERWISE FOR TIEDOWN)



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project
PROPOSED RENOVATION (STAGE 2)
12 NORHAM COURT
CARINDALE QLD 4152

LOT.	RP/SP	BUILDING APPROVAL REFERENCE NUMBER
617	RP.175491	-

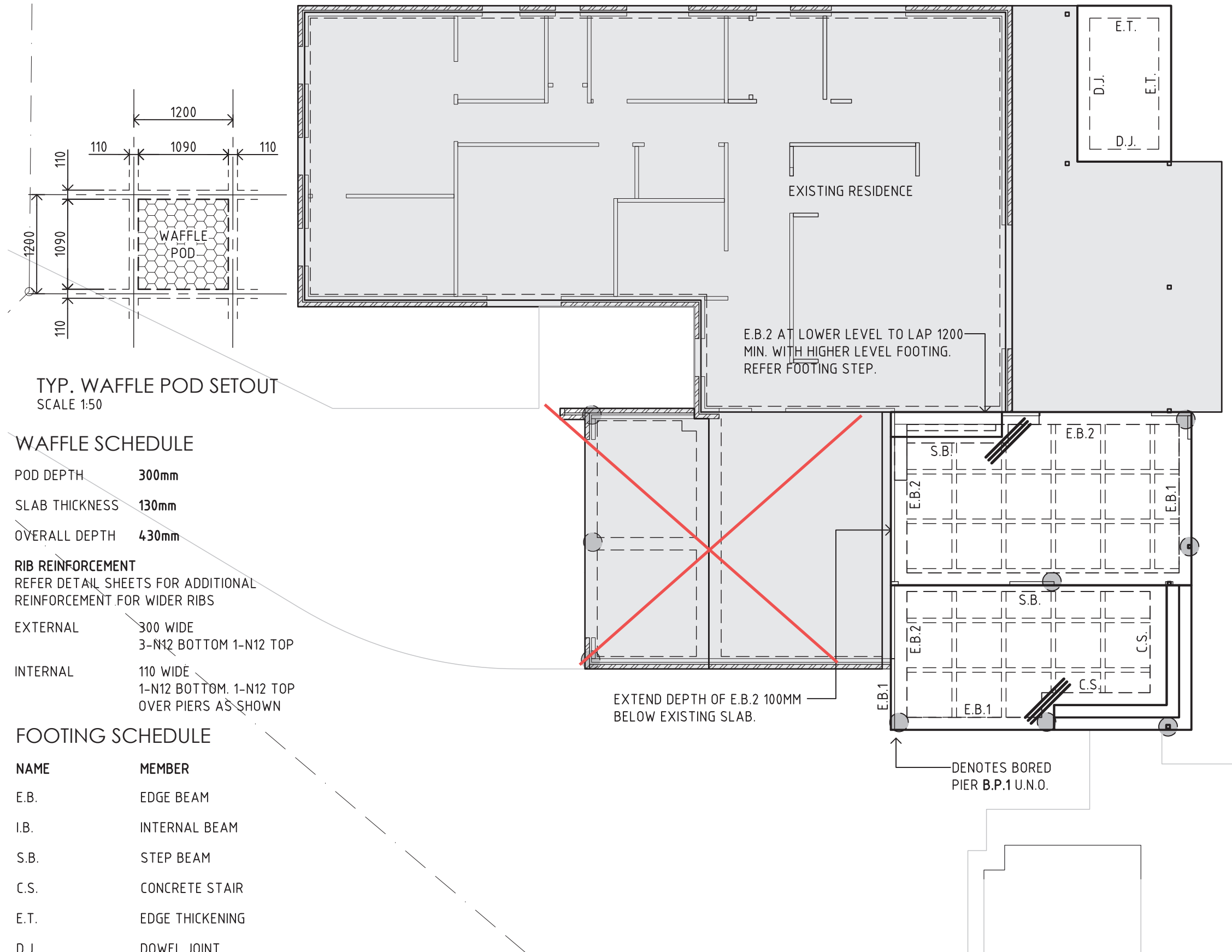
drawing title
STRUCTURAL NOTES
SHEET 4

client
MEREDITH & SCOTT

scale
N.T.S. @ A3

project no.
200030-B

drawing no.	rev.
S0.04	0



TYP. WAFFLE POD SETOUT
SCALE 1:50

WAFFLE SCHEDULE

POD DEPTH	300mm
SLAB THICKNESS	130mm
OVERALL DEPTH	430mm

RIB REINFORCEMENT

REFER DETAIL SHEETS FOR ADDITIONAL REINFORCEMENT FOR WIDER RIBS

EXTERNAL	300 WIDE 3-N12 BOTTOM 1-N12 TOP
INTERNAL	110 WIDE 1-N12 BOTTOM. 1-N12 TOP OVER PIERS AS SHOWN

FOOTING SCHEDULE

NAME	MEMBER
E.B.	EDGE BEAM
I.B.	INTERNAL BEAM
S.B.	STEP BEAM
C.S.	CONCRETE STAIR
E.T.	EDGE THICKENING
D.J.	DOWEL JOINT



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drawing title
LOWER LEVEL
SLAB AND FOOTING PLAN

client
MEREDITH & SCOTT



scale
1:100 @ A3

project no.
200030-B

drawing no.	rev.
S1.01	0

\. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL STRUCTURAL NOTES AND DETAIL SHEETS

\. CONCRETE STRENGTH GRADE (f'c) SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

FOOTINGS/PIERS	25 MPa
SLAB ON GROUND	25 MPa
POLISHED CONCRETE	40 MPa

\. CLEAR COVER TO REINFORCEMENT (IN mm) SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

FOOTINGS	50 TYP.
SLAB ON GROUND	40 TOP.

\. ALL FOOTINGS TO BE FOUNDED 300 MIN. INTO FOUNDING MATERIAL NOTED BELOW. UNLESS NOTED OTHERWISE FOUNDING MATERIAL (ALLOWABLE BEARING CAPACITY) SHALL BE AS FOLLOWS:

SLAB	CLAYEY SILT
FOOTING BEAMS	CLAYEY SILT
PIERS	WEATHERED ROCK - 100 kPa

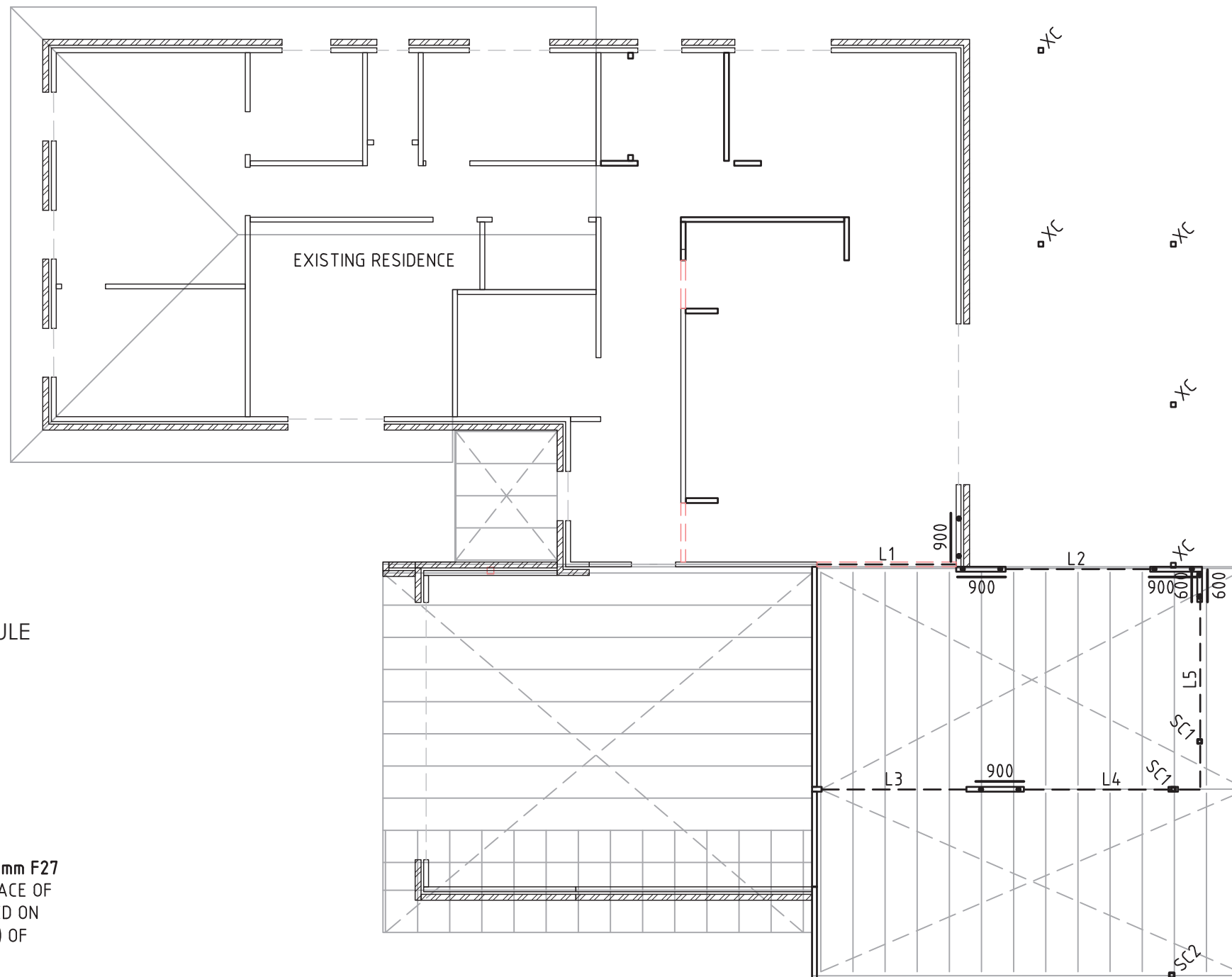
\. SLABS ON GROUND SHALL BE 100 THICK WITH SL82 MESH TOP UNLESS NOTED OTHERWISE. POLISHED CONCRETE SLABS SHALL BE 125 THICK WITH SL81 MESH TOP. FOR TILED AREAS GREATER THAN 16m² USE RUBBER BASED ADHESIVE OR SL92 MESH TOP.

\. ALL CONCRETE TO BE CURED IN ACCORDANCE WITH AS2870 AND AS3600. RECOMMENDED CURING COMPOUND "MULTICURE R"

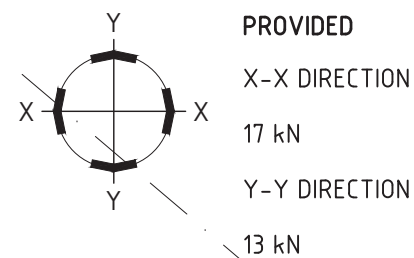
\. THE STRUCTURE AS SHOWN IS PROVISIONAL, AND SHOULD BE CONFIRMED ON SITE BY THE BUILDER, EITHER PRIOR TO OR DURING CONSTRUCTION. SHOULD THE LAYOUT AND/OR MATERIALS DIFFER FROM THAT SHOWN, OR ARE FOUND TO BE DEGRADED CONTACT THE STRUCTURAL ENGINEER FOR ADVICE.

BORED PIER SCHEDULE

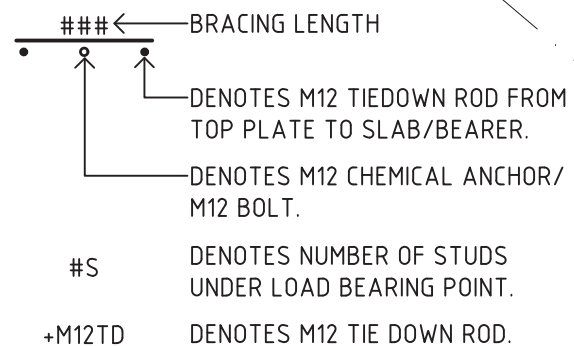
NAME	DESCRIPTION
B.P.1	450 DIA. PIER TO FOUND 300 INTO WEATHERED ROCK. IF GREATER THAN 1200 AND STEEL COLUMN IS NOT CAST-IN REINFORCE WITH 4-N12 VERTICALS AND R6 LIGS AT 300 PITCH.



ADDITIONAL BRACING SCHEDULE



TYPE (A). BRACING PANELS SHALL BE 4.5mm F27 STRUCTURAL PLYWOOD INSTALLED TO FACE OF STUD WALL AND OF LENGTH AS INDICATED ON PLAN IN ACCORDANCE WITH TABLE 8.18(h) OF AS1684.2 METHOD A. (6.4 kN/m ULTIMATE CAPACITY)



\. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL STRUCTURAL NOTES AND DETAIL SHEETS.

\. THE STRUCTURE AS SHOWN IS PROVISIONAL, AND SHOULD BE CONFIRMED ON SITE BY THE BUILDER, EITHER PRIOR TO OR DURING CONSTRUCTION. SHOULD THE LAYOUT AND/OR MATERIALS DIFFER FROM THAT SHOWN, OR ARE FOUND TO BE DEGRADED CONTACT THE STRUCTURAL ENGINEER FOR ADVICE.

\. THE BUILDER SHALL PROVIDE ALL NECESSARY TEMPORARY SUPPORTS AND BRACING TO SUPPORT THE STRUCTURE (EXISTING AND PROPOSED) DURING CONSTRUCTION.

\.PRIOR TO REMOVAL OR MODIFICATION OF ANY STRUCTURAL ELEMENT(S), NOT SPECIFICALLY NOTED IN THESE DOCUMENTS,THE BUILDER IS TO CONTACT THE STRUCTURAL ENGINEER FOR ADVICE.

WALL FRAMING SCHEDULE

NAME	SIZE
LOAD BEARING/EXTERNAL STUD WALLS	
TOP PLATE	2/35 x 90 MGP12
STUDS	35 x 90 MGP12 AT 450 MAX. CRS.
BOTTOM PLATE	35 x 90 MGP12
TIEDOWN	M12 RODS WITH 50 SQ. x 3 THK WASHER FROM TOP PLATE TO SLAB/FLOOR BEARER BELOW AT 1800 MAX. CRS, 100 MAX. FROM ENDS OF WALLS, BEAMS AND NEXT TO OPENINGS.

USE 70MM FRAMING IN EXISTING DWELLING

MEMBERS SCHEDULE

LINTEL SIZE (#) DENOTES THE NUMBER OF STUDS EACH SIDE OF OPENING.

NAME	SIZE
L1	240 X 58 SMARTLVL 15 (3)
L2, L3, L4, L5	2/190 X 45 MGP12 (3)
SC1	75 X 4 SHS
SC2	89 X 5 SHS
XC	EXISTING COLUMN

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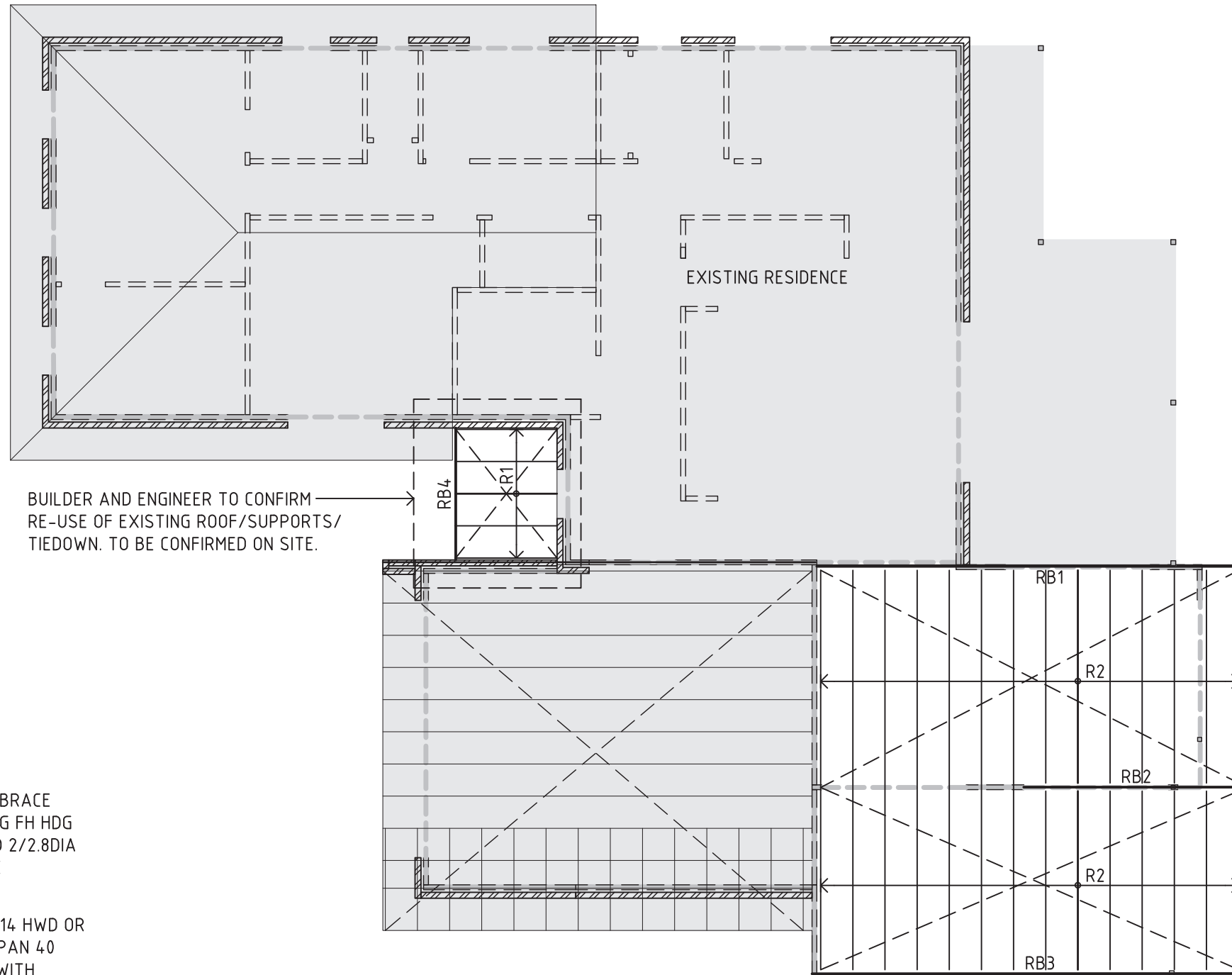
LOT.	RP/SP	BUILDING APPROVAL REFERENCE NUMBER
617	RP.175491	-

drawing title
LOWER LEVEL
WALL AND COLUMN PLAN

client
MEREDITH & SCOTT



scale	@ A3
1:100	
project no.	rev.
200030-B	0
drawing no.	
S1.11	



- \. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL STRUCTURAL NOTES AND DETAIL SHEETS
- \. THE STRUCTURE AS SHOWN IS PROVISIONAL, AND SHOULD BE CONFIRMED ON SITE BY THE BUILDER, EITHER PRIOR TO OR DURING CONSTRUCTION. SHOULD THE LAYOUT AND/OR MATERIALS DIFFER FROM THAT SHOWN, OR ARE FOUND TO BE DEGRADED CONTACT THE STRUCTURAL ENGINEER FOR ADVICE.
- \. THE BUILDER SHALL PROVIDE ALL NECESSARY TEMPORARY SUPPORTS AND BRACING TO SUPPORT THE STRUCTURE (EXISTING AND PROPOSED) DURING CONSTRUCTION.
- \. WHERE NEW STRUCTURE IS BEING SUPPORTED BY EXISTING THE BUILDER SHALL UPGRADE EXISTING TIEDOWN CONNECTIONS TO MEET CURRENT FRAMING REQUIREMENTS AND TO ENSURE NEW WORKS ARE ADEQUATELY SUPPORTED. REFER TIEDOWN INFORMATION AND CONSULT ENGINEER FOR GUIDANCE
- \. BUILDER TO ENSURE ALL STRUCTURAL ELEMENTS HAVE ADEQUATE SUPPORT AND TIEDOWN. REFER TIEDOWN INFORMATION AND CONSULT ENGINEER FOR GUIDANCE
- \.PRIOR TO REMOVAL OR MODIFICATION OF ANY STRUCTURAL ELEMENT(S), NOT SPECIFICALLY NOTED IN THESE DOCUMENTS,THE BUILDER IS TO CONTACT THE STRUCTURAL ENGINEER FOR ADVICE.

MEMBERS SCHEDULE

NAME	SIZE
	DENOTES PRYDA SPEEDBRACE WITH 4/2.8DIA x 35 LONG FH HDG NAILS TO EACH END AND 2/2.8DIA NAILS TO INTERMEDIATE TRUSSES/RAFTERS
BATTENS	SHEET ROOF - 38 x 75 F14 HWD OR 35 x 70 MGP10 OR TQPSpan 40 (FIXED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS) AT 900 MAX CRS.
R1 - AT 600 MAX. CRS.	120 X 42 SMARTLVL 15 (TBC)
R2 - AT 600 MAX. CRS.	170 X 42 SMARTLVL 15
RB4	240 X 58 SMARTLVL 15 (TBC)
RB1, RB2	170 X 58 SMARTLVL 15
RB3	295 X 85 SMARTLAM GL17C

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drawing title
LOWER LEVEL ROOF FRAMING PLAN

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1:100	A3	
project no.	200030-B	
drawing no.	S2.01	
rev.	0	

SITE CLASSIFICATION CLASS "P" MINIMUM 25MM LAGGING
REACTIVITY "S" JOINT CAPACITY

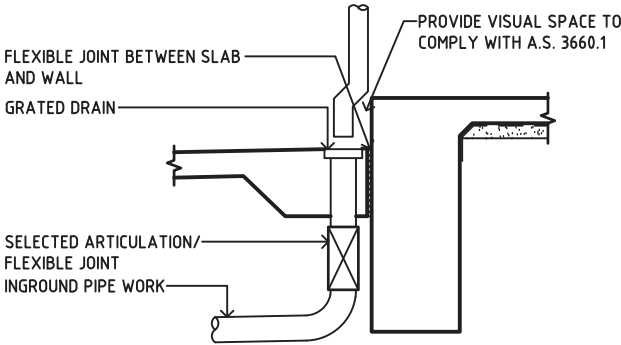
ENGINEER
ADRIAN DINE
RPEQ No.
7263

ENGINEER'S SIGNATURE

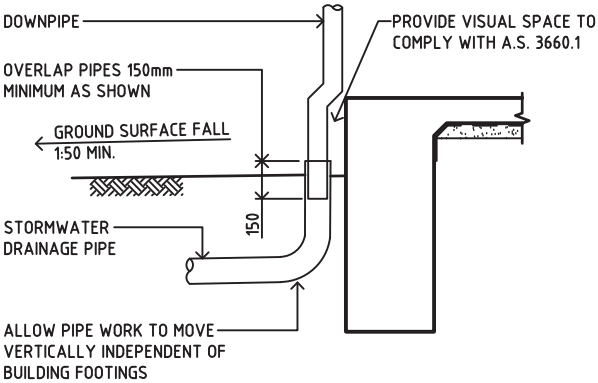
GUIDELINES FOR DESIGN AND INSTALLATION

1. ALL DRAINS INSTALLED IN GROUND THAT IS FILLED, UNSTABLE, CONTAIN EXPANSIVE CLAYS (E.G. M, H, E, AND P SITES) OR WATER CHARGED AND WHERE SOIL MOVEMENT MAY EFFECT THE PERFORMANCE OF ANY DRAIN, A PLAN AND SPECIFICATION TOGETHER WITH A SOIL REPORT AND CALCULATIONS SHOWING METHODS TO PROTECT THE DRAINAGE SHALL BE LODGED WITH THE RELEVANT LOCAL AUTHORITY INCLUDING THE REQUIREMENTS OF THE COMPLIANCE PERMIT AND ASSESSMENT.
2. ALL SEWER AND STORMWATER TO BE CONSTRUCTED IN ACCORDANCE WITH AS/NZS 3500 AND THE REQUIREMENTS OF AS2870 SECTION 5: CLAUSE 5.5 AND SECTION 6: CLAUSE 6.6 ARTICULATION AND EXPANSION JOINTS ARE TO BE PROVIDED TO ACCOMMODATE MOVEMENT IN ALL PIPE WORK WITHIN 3 METRES OF THE DWELLING AND COMPLY WITH AS1260.
3. PLUMBING AND DRAINAGE UNDER THE SLAB SHOULD BE AVOIDED WHERE PRACTICAL (REFER AS/NZS 3500 CLAUSE 4.10)
4. GRADES IN PIPE WORK ON M, H AND P SITES SHALL HAVE A MINIMUM GRADE OF 1:30 WITHIN 1.5 METRES OF THE BUILDING AND 1:60 ELSEWHERE. GRADES IN FLEXIBLE FITTINGS TO BE SET AT THE MINIMUM GRADE.
5. ALL EXPANSION AND ARTICULATION JOINTS TO BEINSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ALL JOINTS TO BE SET MID POINT SO AS TO ALLOW FOR MAXIMUM IN EITHER DIRECTION.
6. STORMPLASTICS (SA) PTY LTD "SWIVEL JOINTS" SHALL NOT BE USED AS A BEND TO ACHIEVE CORRECT FALLS. THE JOINTS SHALL BE SET IN A STRAIGHT LINE OF THE DRAIN TO ALLOW MAXIMUM (+) OR (-) MOVEMENT. A MINIMUM 15° BEND TO BE INSTALLED BEFORE SWIVEL JOINTS TO ACHIEVE MINIMUM GRADES FROM THE FACE OF THE FOOTING.
7. DETAIL AND SUPPORT OF TRAPS AT THE O.R.G. TO BE CONSIDERED ON SITE TO ALLOW FOR POTENTIAL MOVEMENTS INCLUDING ISOLATION AND ARTICULATION ASSOCIATED WITH PATHS AND PAVEMENTS. THE O.R.G. SHALL BE CAST IN CONCRETE MONOLITHICALLY WITH THE FOOTING SYSTEM ON CLASS H AND E SITES.
8. ALL PVC PIPE WORK PASSING THROUGH CONCRETE MUST HAVE 25mm LAGGING.
9. STORMWATER SYSTEM THAT COLLECT ROOF WATER AND SURFACE WATER ARE REQUIRED TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AS/NZS 3500 PART 5
10. THE USE OF CORRUGATED FLEXIBLE PVC PIPE PRODUCTS SHALL BE AVOIDED ON CLASS H AND E SITES AS THEY ARE NOT ABLE TO EXPAND LONGITUDINALLY TO ACCOMMODATE POTENTIAL VERTICAL AND LATERAL MOVEMENTS AS THE SLAB OR FOOTING EDGE UNLESS SPECIFICALLY DETAILED BY THE MANUFACTURER
11. ALL JOINTS IN STORMWATER PIPES WITHIN 3 METRES OF THE HOUSE UNDER CONSTRUCTION SHALL BE ARTICULATED TO ACCOMMODATE GROUND MOVEMENTS WITHOUT LEAKAGE.
12. SEPTIC TANKS AND ASSOCIATED SOAKAGE AREAS SHALL BE LOCATED TO MINIMISE SOIL MOISTURE INCREASES WITHIN THE FOUNDATION. JOINTS IN PLUMBING PIPES WITHIN 3 METRES OF THE HOUSE UNDER CONSTRUCTION SHALL BE ARTICULATED TO ACCOMMODATE GROUND MOVEMENTS WITHOUT LEAKAGE. SPETIC TANKS IN PARTICULAR REQUIRE CAREFUL DETAILING.
13. ALL PIPE WORK INCLUDING STORMWATER FITTINGS AND ADAPTERS SHALL BE PROTECTED FROM MECHANICAL DAMAGE.
14. TERMITE PROTECTION NOT SHOWN ON THESE DRAWINGS AS THERE ARE VARIOUS OPTIONS. REFER THE TO BUILDING DESIGNER.
15. ALL DETAILS ARE INDICATIVE ONLY. DESIGN OF PATHS FOOTINGS ETC. AND LOCATION OF PENETRATIONS TO BE SPECIFIED BY AN ENGINEER.
16. EXPECTED MINIMUM REQUIREMENTS FOR EXPANSION AND ALLOWABLE RELATION IN FITTINGS AS FOLLOWS:

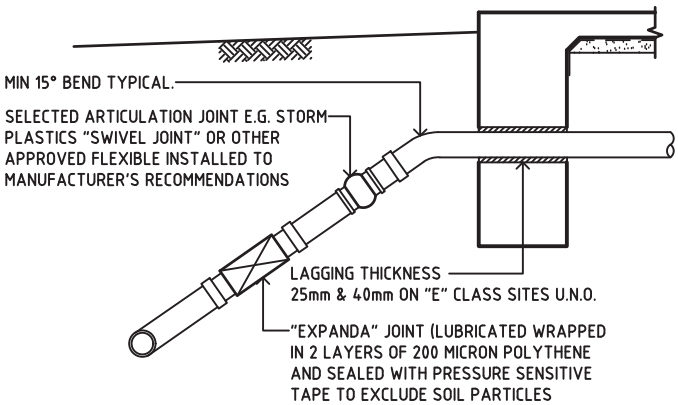
SITE CLASS	MINIMUM REQUIRED EXPANSION JOINT CAPACITY	ALLOWABLE ROTATION
E	150mm	15°
H	70mm	15°
P	70mm PLUS ADDITIONAL REQUIREMENTS IN THE CASE OF FILL (MIN DEPENDENT ON SITE CONDITION)	15°
M	MINIMUM 25mm LAGGING FOOTINGS	N/A



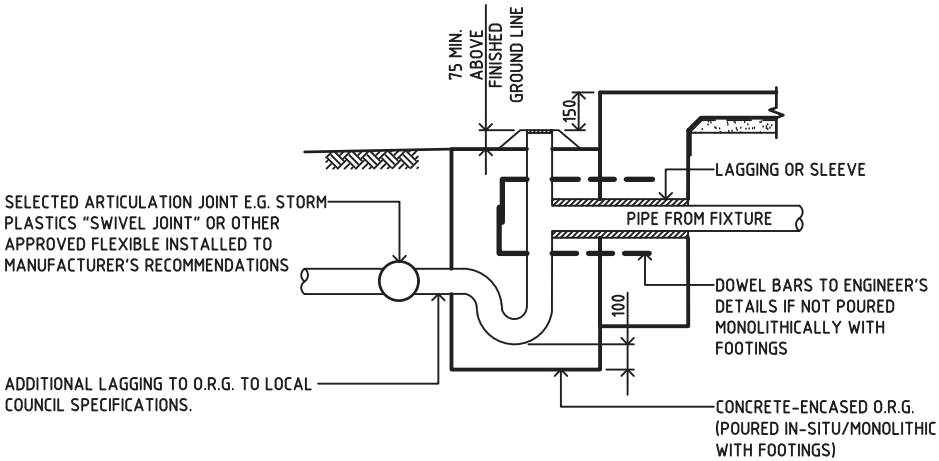
DOWN PIPE TO GRATED DRAIN DETAIL



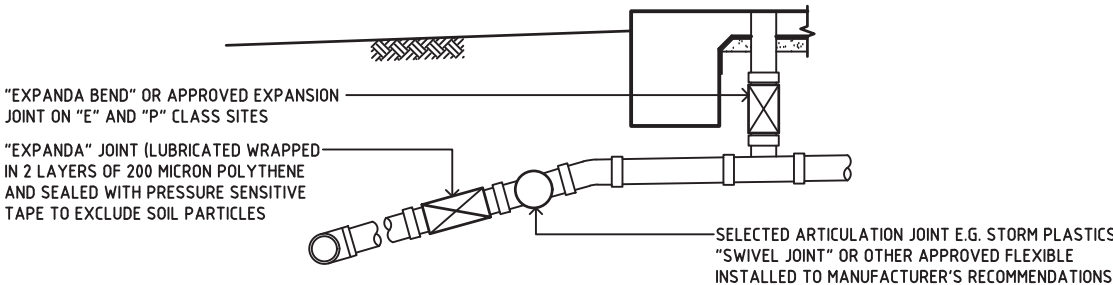
STORMWATER DETAIL (ALTERNATIVE)



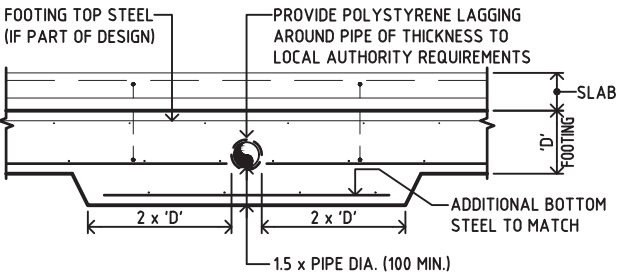
PIPE THROUGH FOOTING DETAIL



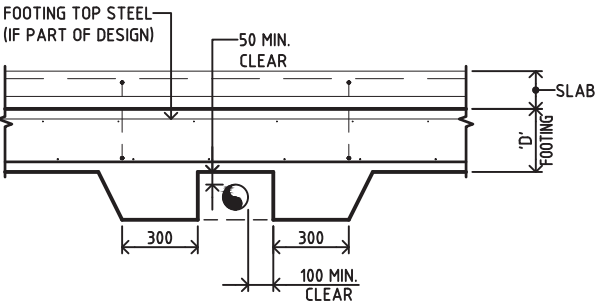
SECTION AT O.R.G. TO PREVENT SHEAR AT FOOTING FACE



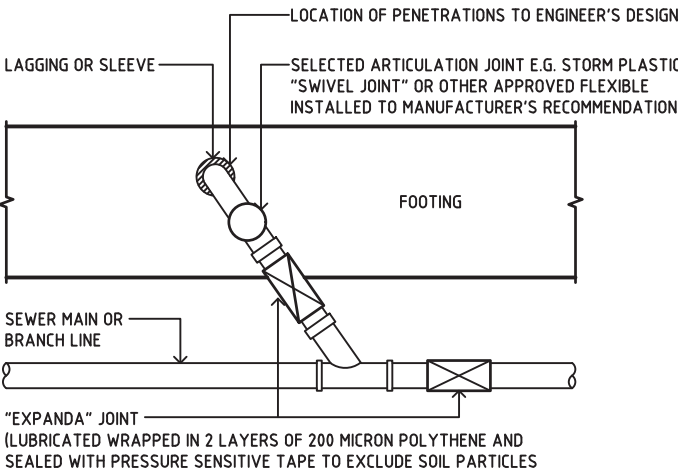
UNDER SLAB-EDGE BEAM/WAFFLE POD DETAIL



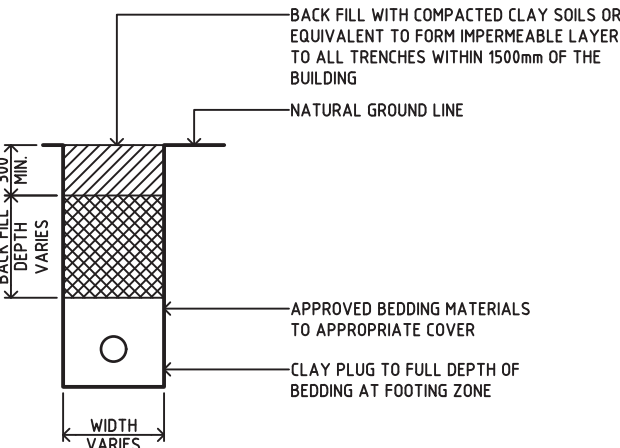
TYP. PIPE PENETRATION THROUGH
BOTTOM OF FOOTING
NOT TO SCALE



TYP. PIPE UNDER FOOTING
NOT TO SCALE



CONNECTION FROM PIPE WORK TO BRANCH LINE DETAIL



TYP. TRENCH DETAIL

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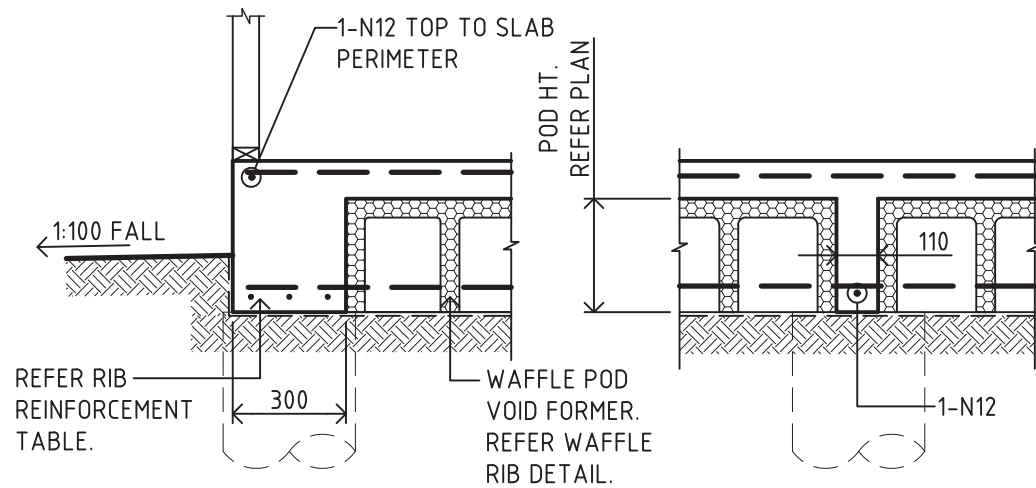
drawing title
PLUMBING DETAILS

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scale
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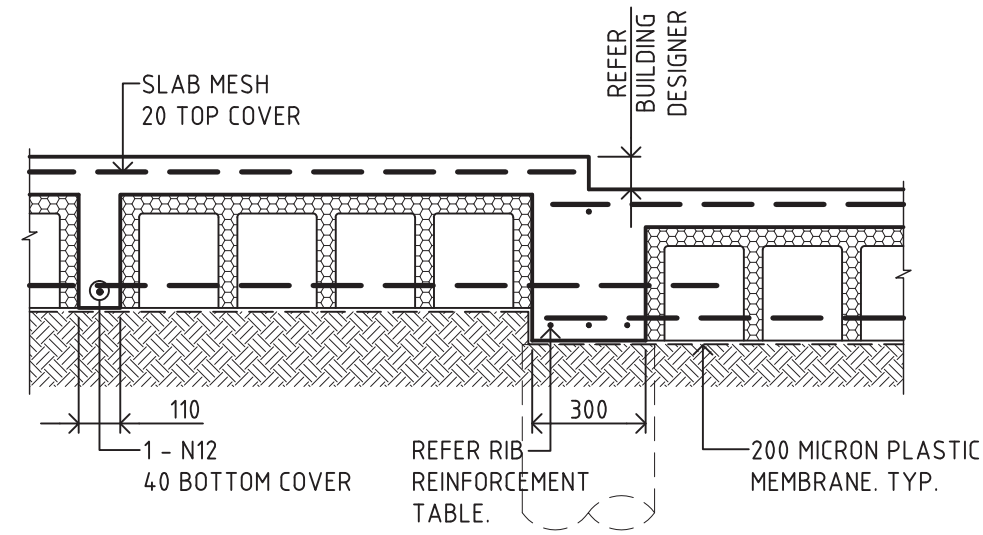
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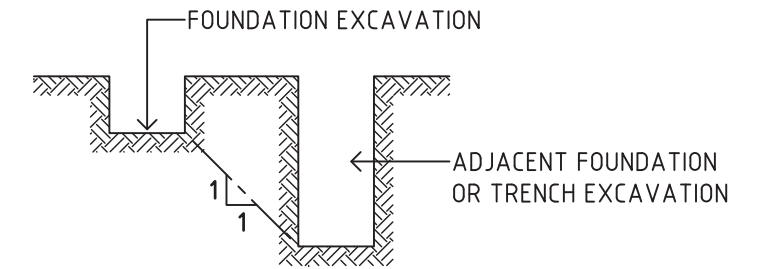
TYP. EDGE BEAM (E.B.1) DETAIL
SCALE 1:20

TYP. WAFFLE RIB
SCALE 1:20



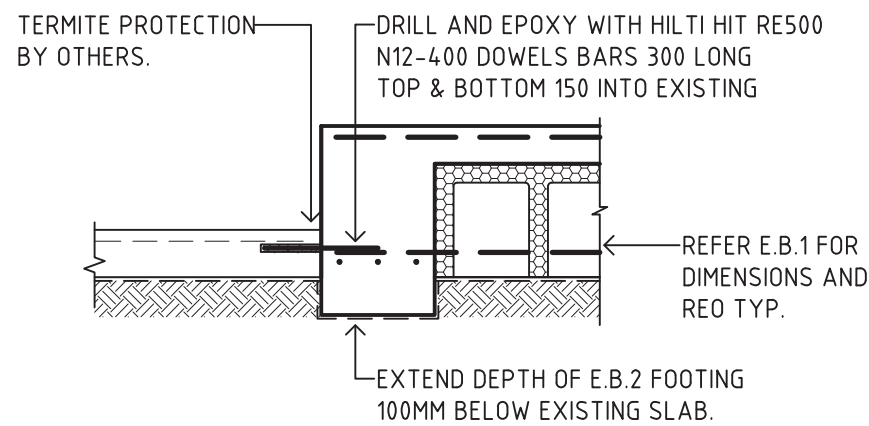
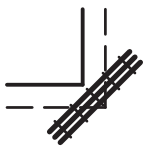
SLAB BEAM SETDOWN DETAILS
SCALE 1:20

\. FOUNDATION AND TRENCH EXCAVATION SHALL NOT BE PLACED WITHIN A **MAX. 1:1 SLOPE** ZONE OF INFLUENCE AS SHOWN BELOW UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL ENGINEERING DOCUMENTATION.

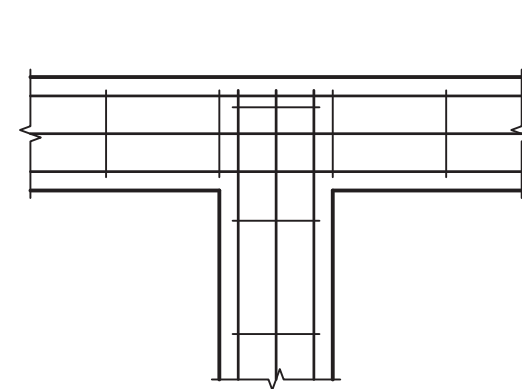


\. SLABS ON GROUND SHALL BE POURED ON A **200µm** POLYTHENE ("BLACK") PLASTIC FILM, LAPPED AND TAPED AS JOINTS, OVER **50mm MIN.** OF BEDDING SAND UNLESS NOTED OTHERWISE. REFER ARCHITECT/BUILDING DESIGNER FOR ANY WATERPROOFING REQUIREMENTS.

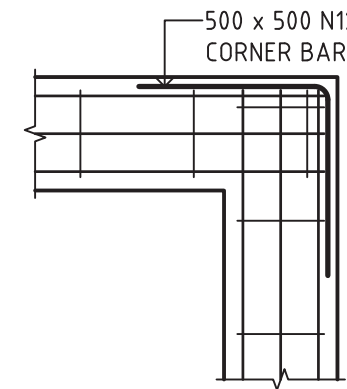
\. TRIM SLAB ON GROUND RE-ENTRANT CORNERS WITH **3N12** or **3-L11TM x 1500** LONG TIED TO THE UNDER SIDE OF THE SLAB REINFORCEMENT.



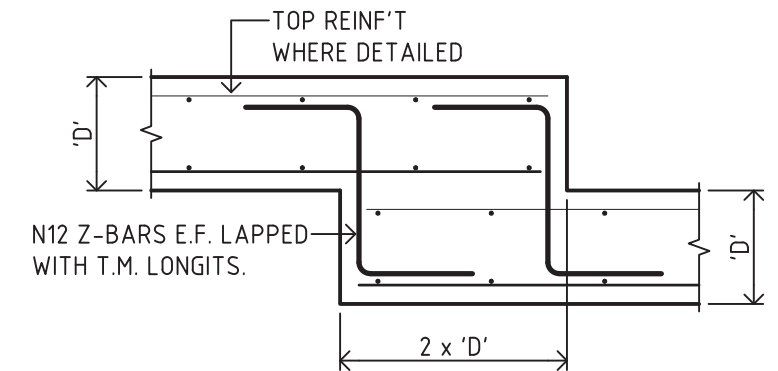
EDGE BEAM TO EXISTING (E.B.2)
SCALE 1:20



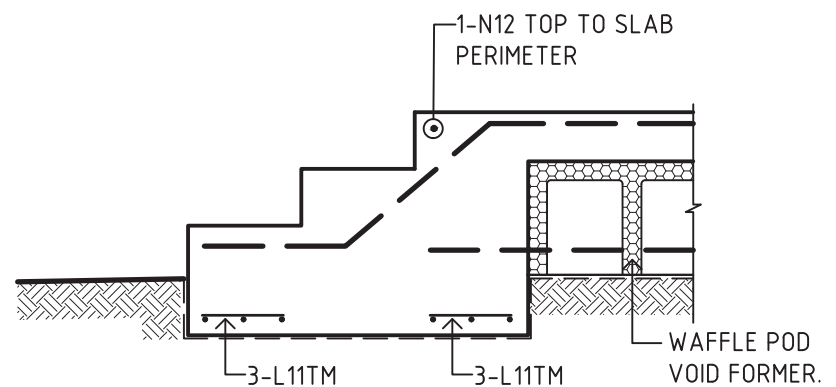
FOOTING JUNCTION
SCALE 1:20



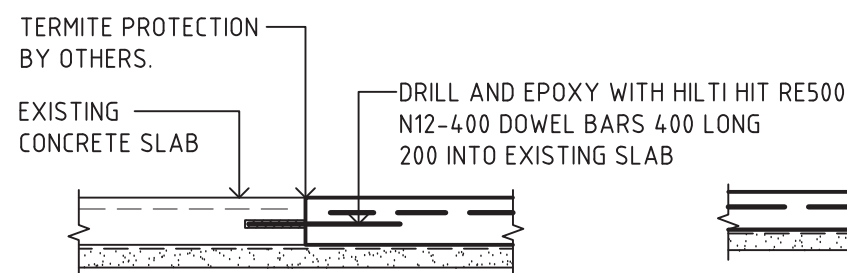
FOOTING CORNER
SCALE 1:20



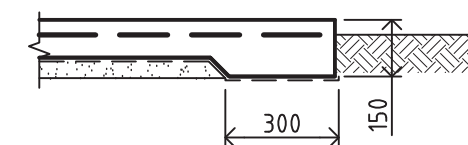
FOOTING STEP
SCALE 1:20



TYP. CONCRETE STAIR (C.S.) DETAIL



TYP. DOWEL JOINT (D.J.)
SCALE 1:20



EDGE THICKENING (E.T.)
SCALE 1:20

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SLAB AND FOOTING DETAILS
SHEET 1

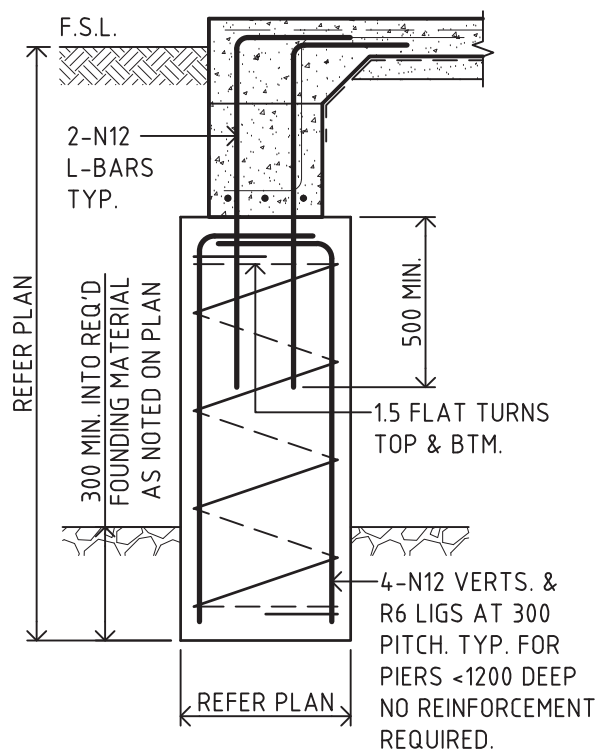
client
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scale
1:20 @ **A3**

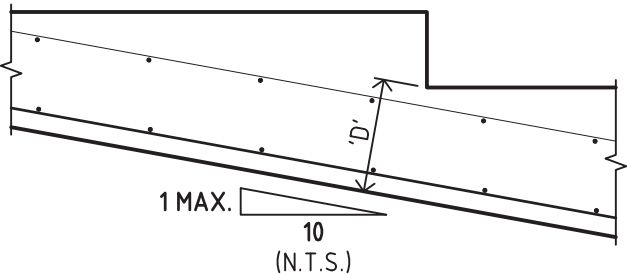
project no.
200030-B

drawing no.	rev.
S5.02	0

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BORED PIER (BPA) >1200 DEEP
SCALE 1:20



WHERE GRADIENT EXCEEDS 1 (VERT.) to 10 (HORIZ.)
REFER FOOTING STEP DETAIL.
FOOTING SLOPE
SCALE 1:20

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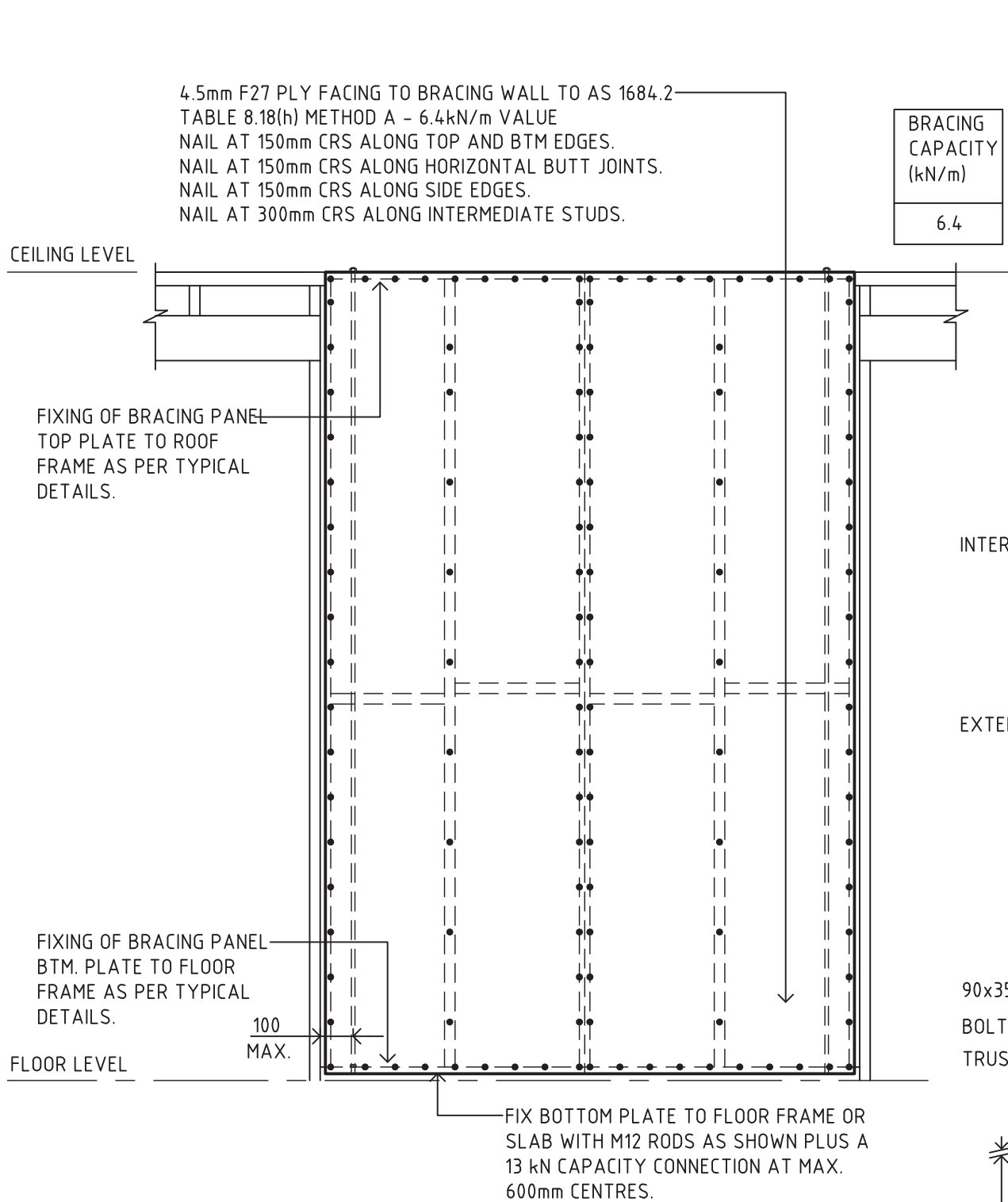
drawing title
SLAB AND FOOTING DETAILS SHEET 2

client
MEREDITH & SCOTT

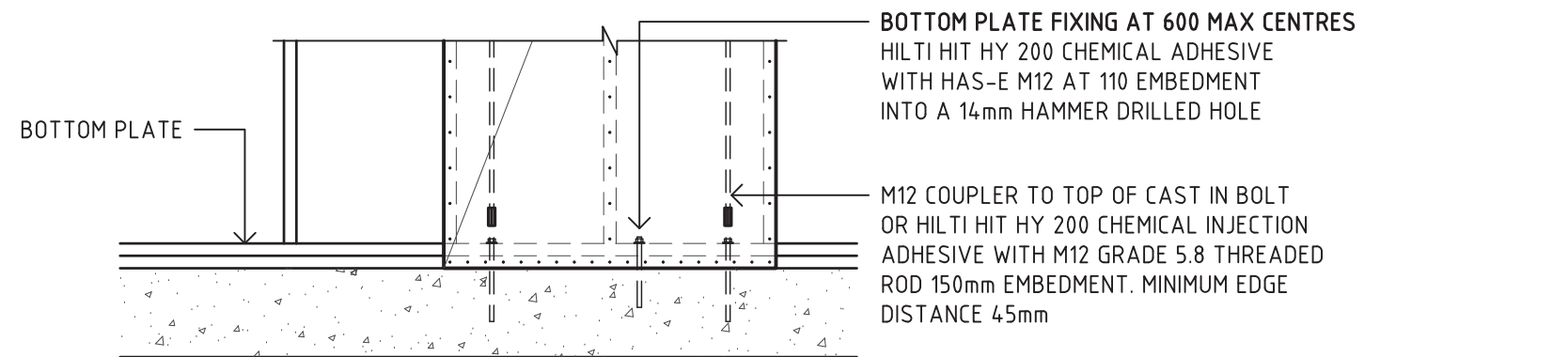
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1:20	

project no.
200030-B

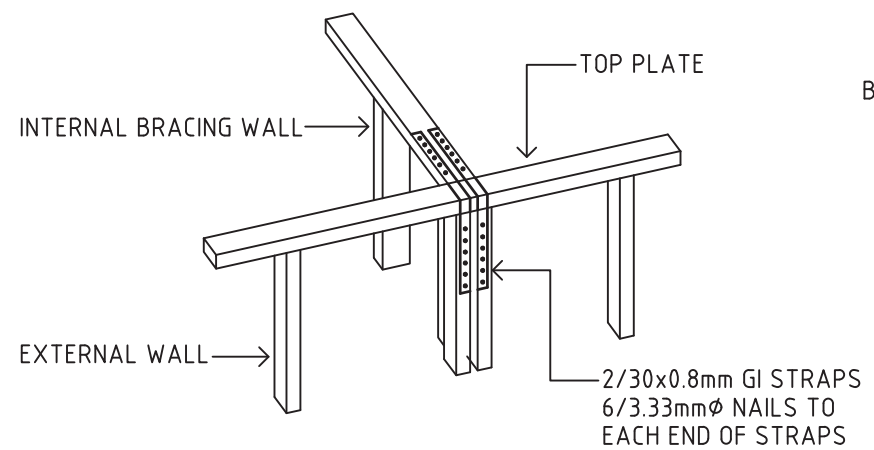
drawing no.	rev.
S5.03	0



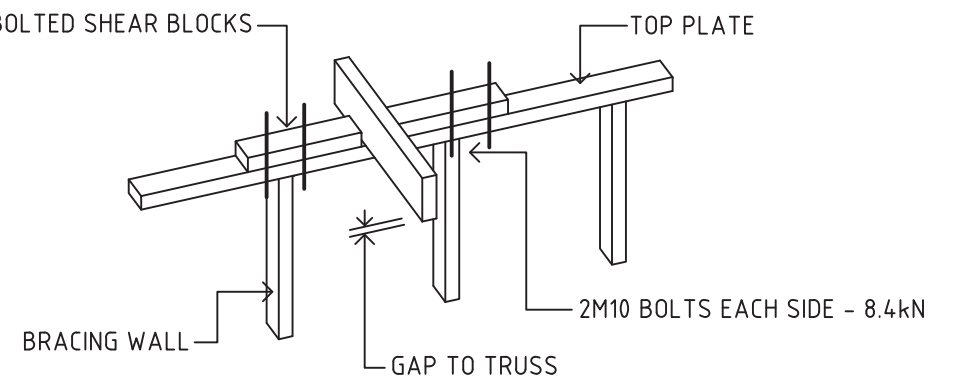
TYPICAL TYPE (A) WALL BRACE
 NOTE: FLOOR FIXING TO AS1684.2 TABLE 8.18 (h) Method A



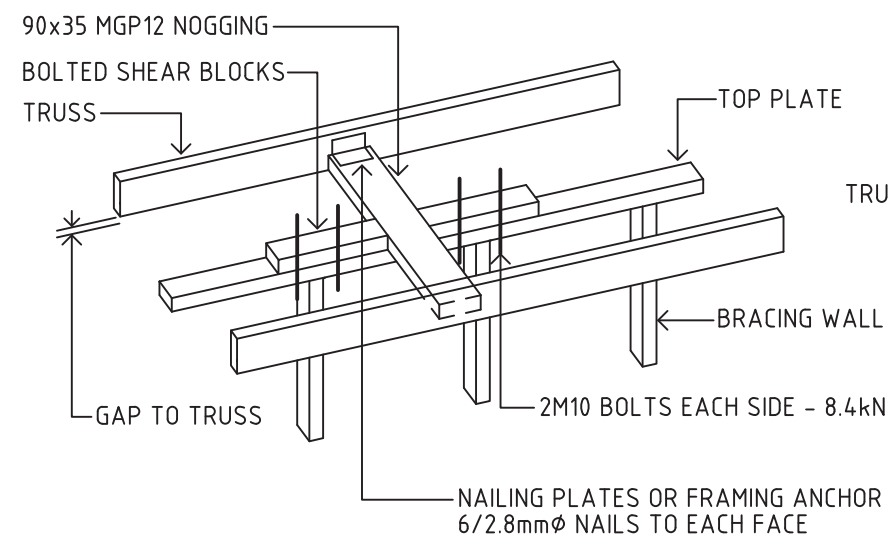
BRACING WALL ON CONCRETE SLAB
 N.T.S.



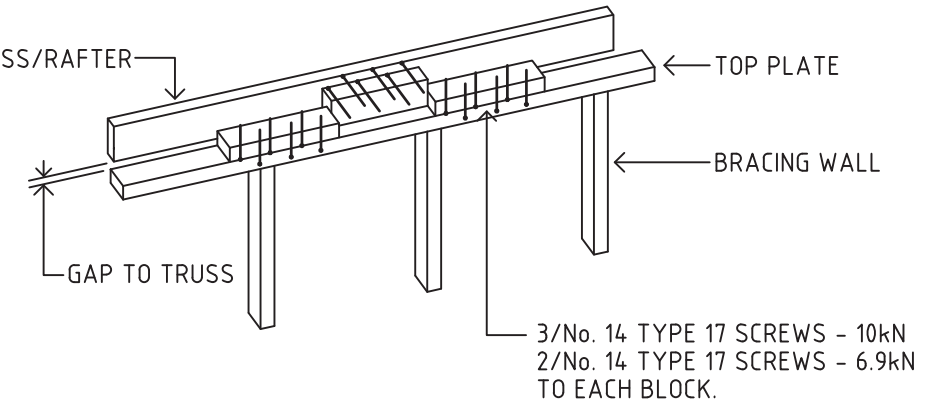
BRACING WALL FIXING TO EXTERNAL WALL - 9.8kN
 N.T.S.



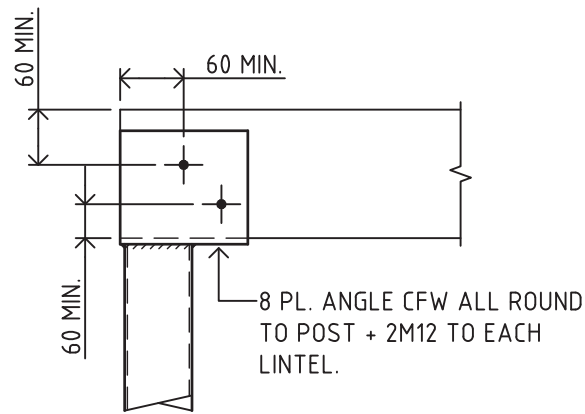
BRACING WALL FIXING TO RAFTER/TRUSS
 N.T.S.



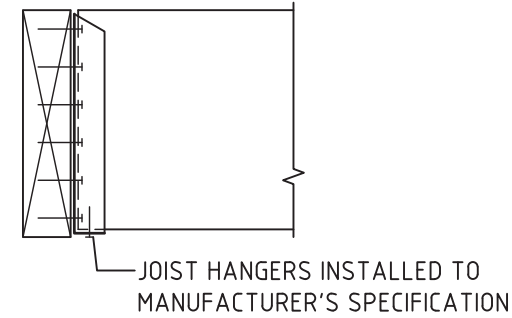
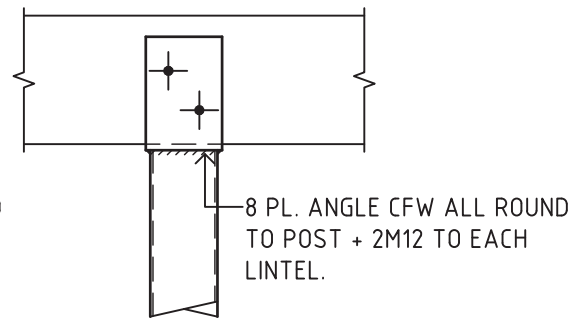
BRACING WALL FIXING TO RAFTER/TRUSS
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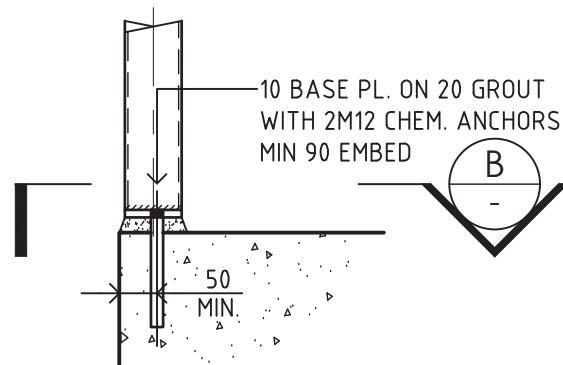
BRACING WALL FIXING TO RAFTER/TRUSS
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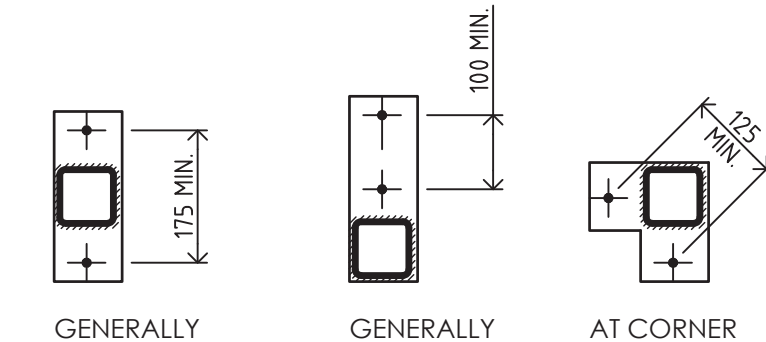
TYP. TIMBER LINTEL/BEAM
TO STEEL COLUMN
SCALE 1:10



TYPICAL TIMBER PURLIN TO
BEAM
SCALE 1:10



TYP. SHS COLUMN BASE PL.
UNBRACED COLUMNS ONLY
SCALE 1:10



SECTION B
SCALE 1:10

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rev.	date	description	des	dwn	approved
0	19.10.20	PRE-APPROVAL ISSUE	AD	DM	AD
1	08.03.21	BUILDING APPROVAL ISSUE	AD	DM	AD

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project PROPOSED RENOVATION (STAGE 2) 12 NORHAM COURT CARINDALE QLD 4152		
LOT. 617	RP/SP RP.175491	BUILDING APPROVAL REFERENCE NUMBER -

drawing title FRAMING DETAILS SHEET 2	
client MEREDITH & SCOTT	

scale 1:10	@ A3
project no. 200030-B	
drawing no. S5.13	rev. 0