PUTTING DESIGN TO ITS PRIME

PRIME
ENGINEERING
CONSULTANTS

# PROPOSED SINGLE STOREY DWELLING

## 24 RAILWAY STREET, HURLSTONE


PRIME ENGINEERING CONSULTANTS
PUTTING DESIGN TO ITS PRIME

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BUILDER:

FAIRMONT HOMES NSW

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| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| COVER SHEET | SHEET NUMBER: | S0 |
| | JOB NUMBER: | PST22346 |

## GENERAL NOTES:

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANT DRAWINGS, SPECIFICATIONS AND OTHER WRITTEN INSTRUCTIONS AS ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCIES THAT ARISE SHALL BE REFERRED TO THE ARCHITECT/BUILDER BEFORE PROCEEDING WITH WORK.
2. ANY CHANGES FROM THE ORIGINAL INFORMATION PROVIDED, INCLUSIVE OF SITE PREPARATION OR PROPOSED CONSTRUCTION CHANGES, SHALL BE MADE AWARE TO THIS CONSULTANCY, SO NECESSARY AMENDMENTS CAN BE MADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT SUFFICIENT TOLERANCES ARE PROVIDED AND MAINTAINED THROUGHOUT ALL ELEMENTS OF THE WORKS.
3. THESE DRAWINGS SHALL NOT BE SCALED TO OBTAIN DIMENSIONS. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
4. ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN IN THESE DRAWINGS SHALL BE VERIFIED BY THE BUILDER AND CONFIRMED ONSITE.
5. THE CONTRACTOR IS RESPONSIBLE TO ESTABLISH THE LOCATION, SIZE AND LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORKS.
6. THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED DURING ALL STAGES ON CONSTRUCTION. DURING BOTH CONSTRUCTION AND MAINTENANCE PERIODS, CLAIMS OF DAMAGE TO ANY ADJACENT PROPERTY OR BUILDING IS NOT THE RESPONSIBILITY OF THIS CONSULTANCY.
7. ALL WORKMANSHIP AND MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT EDITIONS OF THE RELEVANT SAA (AS) CODES, BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES.
8. THESE STRUCTURAL DRAWINGS ARE ISSUED ON THE UNDERSTANDING THAT THE BUILDER MAINTAINS, ADEQUATE AND REGULATED CONTRACT WORKS INSURANCE, WORK SAFETY PROCEDURE AND PUBLIC LIABILITY INSURANCES.
9. INSPECTIONS ARE COMPULSORY TO BE COMPLETED BY A ENGINEER FROM THIS CONSULTANCY. ALL INSPECTIONS ARE NEEDED TO BE COMPLETED IN ACCORDANCE WITH THE SCOPE OF INSPECTIONS ORGANISED BY THIS CONSULTANCY. THIS CONSULTANCY IS TO BE NOTIFIED MINIMUM 48 HOURS PRIOR TO INSPECTION.

## SITE CLASSIFICATION:

1. THE SITE HAS BEEN A SUBJECT OF A GEOTECHNICAL INVESTIGATION (REPORT). CONSTRUCTION PROCEDURES AND TECHNIQUES ARE REQUIRED TO BE FOLLOWED AS STIPULATED IN THE PROVIDED (REFERENCED) REPORT. THE BUILDER/CONTRACTOR IS TO ADHERE TO ANY GEOTECHNICAL RECOMMENDATIONS PREPARED FOR THE SITE. THE DRAWINGS HEREIN ARE PREPARED BASED ON THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. GEOTECHNICAL ENGINEER TO CONFIRM DETAILS PROVIDED.
2. IF SOIL CONDITIONS ENCOUNTERED ON SITE DIFFER FROM THOSE INDICATED IN THE GEOTECHNICAL INVESTIGATION, THE ENGINEER MUST BE NOTIFIED BEFORE PROCEEDING TO MAKE NECESSARY ADJUSTMENTS TO THE STRUCTURAL DESIGN.
3. THE GEOTECHNICAL INVESTIGATION MAY BE DEEMED IRRELEVANT IF THE LOCATION OF PROPOSED STRUCTURES DIFFERS FROM THE SPECIFIED AT THE TIME OF THE PROVIDED GEOTECHNICAL REPORT. THE DESIGN IS BASED UPON THE CUT AND FILL INFORMATION PROVIDED BY THE ENGAGED CLIENT.
4. THIS DESIGN DOES NOT TAKE INTO ACCOUNT SLOPE STABILITY. IF REQUIRED BY COUNCIL OR OTHER AUTHORITY, A SUITABLY QUALIFIED PERSON SHALL BE ENGAGED TO UNDERTAKE A SLOPE STABILITY ASSESSMENT.

## PILES:

1. ALL PIER HOLES SHALL BE CLEANED AND DEWATERED PRIOR TO THE PLACEMENT OF CONCRETE.
2. ALL PIER HOLES SHALL BE POURED SEPARATE TO SLAB AND FOOTINGS.
3. PIERS AND FOUNDATIONS ARE TO BE FOUNDED ON A UNIFORM BEARING. THIS CONSULTANCY, PCA, AND/OR COUNCIL AUTHORITY SHALL INSPECT THE BEARING MATERIAL OF PIERS AND/OR FOOTINGS PRIOR TO THE PLACEMENT OF CONCRETE.
4. IF ANY OF THE PIERS AND /OR FOOTINGS ENCOUNTER SHALE OR ROCK, THEN ALL PIERS AND/OR FOOTINGS SHALL BEAR ON SHALE OR ROCK.
5. U.N.O SAFE WORKING LOAD SHALL BE 80KN FOR SCREW PIERS.
6. SCREW AND TIMBER PILES SHALL BE INSTALLED AND CERTIFIED BY A SUITABLY QUALIFIED AND LICENSED CONTRACTOR.

## FOOTINGS & FOUNDATIONS:

1. ALL WORKMANSHIP AND MATERIALS ARE TO ADHERE TO THE NATIONAL CONSTRUCTION CODE AND AS 2870.
2. SITE IS TO BE STRIPED OF TOPSOIL AND OTHER ORGANIC MATTER FROM THE AREA ON WHICH THE SLAB WILL REST.
3. FOOTINGS SHALL BE POSITIONED CENTRALLY UNDER WALLS AND COLUMNS UNLESS NOTED OTHERWISE.
4. FOOTINGS AND PIERS ARE REQUIRED WHERE UNCONTROLLED FILL UNDER EDGE BEAMS AND/OR SLAB IS PRESENT.
5. ANY FILL SHALL CONTINUE PAST THE EDGE OF THE STRUCTURE/BUILDING BY AT LEAST 1.0m AND SHALL BE RETAINED OR BATTERED BEYOND THIS POINT BY A SLOPE NOT STEEPER THAN A RATIO OF 1(V):2(H). FORMWORK TO BE USED WHERE SIDES OF THE FOUNDATION ARE NOT STABLE. LOOSE DEBRIS AND WATER IS TO REMOVED AND DRAINED OF THE FOUNDATION.
6. FILL USED TO SUPPORT THE SLAB ON GROUND SHALL BE CONTROLLED OR ROLLED FILL IN ACCORDANCE WITH AS2870:
   - 6.1 CONTROLLED FILL CONSISTS OF WELL GRADED SAND FILL UP TO 800mm DEEP, WELL COMPACTED IN NOT MORE THAN 200mm LAYERS BY VIBRATING PLATE OR VIBRATING ROLLER. NO SAND FILL UP TO 400mm DEEP, WELL COMPACTED IN NOT MORE THAN 150mm LAYERS BY A MECHANICAL ROLLER, CLAY FILL SHOULD BE MOIST DURING COMPACTION. ANY DEPTHS STIPULATED HEREIN, ARE DEPTHS MEASURED AFTER COMPACTION. ANY DEPTHS WHICH FALL OUTSIDE THE PARAMETERS SPECIFIED ABOVE SHALL BE SUBJECT TO TESTING. ENGINEER IS TO BE CONTACTED PRIOR TO CONSTRUCTION WHERE TEST FAILS, AND ADDITIONAL PIERS WILL BE REQUIRED. CONTROLLED FILL SHALL BE PLACED, TESTED AND CERTIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER AS STIPULATED IN AS3798.
   - 6.2 ROLLED FILL CONSIST OF MATERIAL COMPACTED IN LAYERS BY REPEATED ROLLING WITH AN EXCAVATOR. ROLLED FILL SHALL NOT EXCEED 600mm COMPACTED IN LAYERS NOT MORE THAN 300mm FOR SAND MATERIAL OR 400mm COMPACTED LAYERS AND NOT MORE THAN 150mm FOR OTHER MATERIALS.
7. WHERE FILL CONSISTS OF REACTIVE CLAYS, THE FILL SHALL BE PLACED IN A MOIST CONDITION.
8. A 50mm MINIMUM BINDING LAYER SHOULD BE APPLIED TO THE BASE OF ALL FOUNDATIONS IMMEDIATELY AFTER VERIFICATION OF THE BEARING CAPACITY BY THE GEOTECHNICAL ENGINEER. WHERE THE FOUNDATION MATERIAL IS DEEPER THAN REQUIRED FOR THE FOOTING THE EXCAVATION IS TO BE BACKFILLED WITH A WEAK MIX CONCRETE N10 TO THE UNDERSIDE OF THE FOOTING. THE CONTRACTOR IS TO ENGAGE A GEOTECHNICAL ENGINEER TO VERIFY THE BEARING CAPACITY OF THE FOUNDATIONS PRIOR TO PLACEMENT OF THE BINDING LAYER.
9. ALL FOOTINGS ARE TO BE FOUNDED ON MATERIAL HAVING AN ALLOWABLE BEARING CAPACITY OF 250kPA. WHERE DIFFICULTY IN REACHING THE REQUIRED BEARING CAPACITY IS EXPERIENCED, THIS CONSULTANCY IS TO BE CONTACTED TO RE-ASSESS THE FOOTING DESIGN.

## MAINTENANCE & TERMITE PROTECTION:

1. IN LOCATIONS WHERE TERMITE PROTECTION IS REQUIRED, INSTALL IN ACCORDANCE WITH AS3660.
2. INSPECTIONS OF THE RESIDENCE AND IMMEDIATE SURROUNDINGS SHALL BE CARRIED OUT BY A FULLY QUALIFIED PEST EXPERT ON AN ANNUAL BASIS BY THE OWNER.
3. SITE MAINTENANCE IS THE RESPONSIBILITY OF THE OWNER. ALL RECOMMENDATIONS OUTLINED IN THE FOLLOWING SHOULD BE CARRIED OUT IN FULL:
   - 4.1 CISRO BOOKLET " FOUNDATION MAINTENANCE AND FOOTING PERFORMANCE: A HOME OWNERS GUIDE".
   - 4.2 AS2870 APPENDIX B 'PERFORMANCE CRITERIA AND FOUNDATION MAINTENANCE' AND APPENDIX C 'CLASSIFICATION OF DAMAGE DUE TO FOUNDATION MOVEMENTS'.
4. THE RECOMMENDED DISTANCE THAT A NEW TREE SHOULD BE LOCATED FROM A DWELLING WOULD BE EQUAL OR GREATER THAN 75% OF THE MATURE TREE HEIGHT FOR M SITES, 100% OF THE MATURE HEIGHT FOR H1 AND H2 SITES, AND 150% OF THE MATURE HEIGHT FOR E SITES.
5. GARDEN BEDS ADJACENT TO THE HOUSE SHOULD BE AVOIDED. CARE SHOULD BE TAKEN TO AVOID OVER WATERING GARDENS CLOSE TO THE RESIDENTIAL FOOTINGS.
6. ANY FUTURE CRACKING OCCURRING IN THE SLAB AND/OR FOOTINGS SHALL BE ASSESSED BY A QUALIFIED PEST EXPERT AND THIS CONSULTANCY.

## CONCRETE:

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH AS3600 AND WITH THE PROJECT SPECIFICATIONS.
2. CONCRETE SHALL BE PLACED AND CURED IN ACCORDANCE WITH AS3600. WHERE CURING COMPOUNDS ARE USED, COMPLIANCE IN ACCORDANCE WITH AS3799 SHALL BE ACHIEVED, AND APPLIED IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS AND AS STIPULATED HEREIN.
   - 2.1 ONTO SLAB WITHIN 24HRS OF FINISHING CONCRETE AND COLUMNS, STRAIGHT AFTER REMOVAL OF FORMWORK.
3. ALL CONCRETE SHALL BE COMPACTED AT THE TIME OF PLACING USING A MECHANICAL VIBRATOR.
4. CONSTRUCTION JOINTS, WHERE NOT SHOWN ON THE DRAWINGS SHALL BE TO THE APPROVAL OF THE ENGINEER AND/OR IN ACCORDANCE WITH AS3700.
5. THE FACE OF ALL CONCRETE AGAINST WHICH NEW CONCRETE IS TO BE CAST, IS TO BE THOROUGHLY MECHANICALLY SCABBLED, FULLY EXPOSING THE AGGREGATE INTEFACE.
6. ALL FORMWORK SHALL COMPLY WITH AS 3610.
7. EACH FLOOR SHALL BE FULLY PROPPED TO THE FLOOR BELOW IN ACCORDANCE WITH AS3610 (FORMWORK CODE).
8. THE FLOOR SHALL BE BACK-PROPPED THROUGH A MINIMUM OF TWO STOREYS BELOW. THIS RESULTS IN A MINIMUM OF THREE STOREYS PROPPED AT ALL TIMES.
9. PROPS MAY BE REMOVED AFTER 28 DAYS OF CURING OR AFTER 14 DAYS IF THE CONCRETE HAS REACHED ITS CHARACTERISTIC STRENGTH (AS VERIFIED BY CYLINDER TEST RESULTS).
10. U.N.O NO ALLOWANCES HAVE BEEN MADE FOR STACKED MATERIALS OR MACHINERY ON THE CONCRETE STRUCTURE.
11. ALL THICKNESSES DETAILED IN THESE DRAWINGS ARE SHOWN AS MINIMUM REQUIREMENTS, NO REDUCTION IN THICKNESS DUE TO FALLS OR TOPPING IS PERMITTED.
12. NO HOLES OR CHASES OTHER THAN THOSE SHOWN ON THESE DRAWINGS SHALL BE MADE IN CONCRETE ELEMENTS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
13. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT, UNLESS APPROVED BY ENGINEER. CONDUITS GREATER THAN 25mm DIAMETER CAST INTO CONCRETE MEMBERS SHALL BE SPACED AT A MAXIMUM DISTANCE POSSIBLE AND UNDER NO CIRCUMSTANCES CLOSER THAN A CLEAR SPACING OF TWICE THE LARGER CONDUIT DIAMETER FROM PARALLEL REINFORCEMENT OR ANY OTHER CONDUIT.

## TIMBER NOTES:

1. ALL WORK IN STRUCTURAL TIMBER SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF AS 1684, SAA TIMBER FRAMING CODE AS 1720, SAA TIMBER ENGINEERING CODE AS 1320 – GLUED LAMINATED STRUCTURAL TIMBER.
2. SOFTWOOD TO BE MINIMUM GRADE F7 AND HARDWOOD MINIMUM GRADE F14 U.N.O.
3. EXTERNAL TIMBER TO BE EITHER HARDWOOD DURABILITY CLASS I OR II IMPREGNATED GRADE F7. PRESSURE TREATED TO AS1684 AND RE-DRILLED PRIOR TO USE. SUPPLEMENTARY TREATMENT SHALL BE APPLIED TO ALL CUT SURFACES. SUPPLY SUPPORTING DOCUMENTATION FOR PRESERVATIVE TREATMENT.
4. ALL BOLTS IN TIMBER CONSTRUCTION TO BE MIN. M16 U.N.O. BOLT HOLES TO BE DRILLED EXACT SIZE. WASHERS UNDER HEADS AND NUTS TO BE AT LEAST 2.5 TIMES BOLT DIAMETER.
5. BOLTS AN ALL NUTS TO BE PROVIDED WITH WASHERS. ALL BOLTS TO BE TIGHTENED FINALLY BEFORE HANDOVER.
6. THREE DIMENSIONS ON THE FINISHED WIDTH AND THICKNESS TO BE:
   - SEASONED SOFTWOOD +5, −0mm
   - UNSEASONED SOFTWOOD >F7 +3, −3mm
     LESS THAN OR EQUAL TO F7+2, −4mm
   - SEASONED HARDWOOD +2, −0mm
   - UNSEASONED HARDWOOD −3, −3mm

   (SEE ALSO CL. 1.6.2 IN AS2082)
8. ALL TIMBER JOINT NOTCHES ARE TO BE 100mm MINIMUM AWAY FROM LOOSE KNOTS, SEVERE SLOPING, GRAIN, GUM VENTS OR OTHER MINOR DEFECTS.

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| GENERAL NOTES | SHEET NUMBER: | S1 |
| | JOB NUMBER: | PST22346 |

## REINFORCEMENT & FIXING:

1. ALL REINFORCEMENT BARS AND MESH SHALL COMPLY WITH AS4671. MESH IS TO BE SUPPLIED IN FLAT SHEETS.
2. REINFORCEMENT MATERIAL IS INDICATED BY THE SYMBOLS BELOW:
   - 2.1 Y DEFORMED BAR GRADE 400
   - 2.2 N DEFORMED BAR GRADE 500 (NORMAL DUCTILITY)
   - 2.3 R PLAIN ROUND BAR GRADE 250
   - 2.4 W PLAIN WIRE GRADE 450
   - 2.5 F FABRICS GRADE 450
   - 2.6 TM TRENCH MESH
3. MESH REINFORCEMENT TO BE LAPPED ONE MESH PLUS 30 mm AT SPLICES AND PLACED ON BAR CHAIRS AT 1m CTS.
4. REINFORCING BARS SHALL HAVE A LAP LENGTH AT SPLICES NOT LESS THAN 500mm UP TO A BAR DIA. OF 12mm, AND 700mm UP TO A BAR DIA. OF 16mm. U.N.O.
5. REINFORCING BARS SHALL BE TIED BENEATH THE SLAB MESH IF USED OR OTHERWISE PLACED ON CHAIRS.
6. SPLICES IN REINFORCEMENT MADE IN POSITIONS OTHER THAN SHOWN, SHALL BE TO THE APPROVAL OF THE ENGINEER. WHERE LAP LENGTH IS NOT SHOWN, LAPPING SHALL BE SUFFICIENT TO DEVELOP THE FULL STRENGTH OF THE REINFORCEMENT.
7. REINFORCEMENT AND VOID FORMERS SHALL BE FIXED INTO POSITION PRIOR TO POURING CONCRETE BY MEANS OF PROPRIETARY SPACERS, BAR CHAIRS AND LIGATURES TO ACHIEVE THE REQUIRED REINFORCEMENT POSITION AND COVER. ALL REINFORCEMENT SHALL BE SUPPORTED ON PLASTIC SPREAD OR STEEL CHAIRS, 4 PER POD.

## DRAINAGE & PLUMBING:

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS2870.
2. SURFACE DRAINAGE SHALL BE DESIGNED AND CONSTRUCTED TO AVOID WATER PONDING AGAINST OR NEAR THE FOOTING. DURING CONSTRUCTION, WATER RUN-OFF SHALL BE COLLECTED AND CHANNELLED AWAY FROM THE BUILDING.
3. THE GROUND IN THE IMMEDIATE VICINITY OF THE PERIMETER FOOTING, SHALL BE GRADED AWAY TO FALL 50mm MINIMUM AWAY FROM THE FOOTING OVER A DISTANCE OF 1m. SURFACE OR SUBSURFACE DRAINS SHALL BE USED TO CHANNEL AWAY WATER AND CONNECT TO STORMWATER SYSTEMS. STORMWATER DRAINS AND WASTE DRAINS SHALL INCLUDE FLEXIBLE CONNECTIONS AT CONNECTION JOINTS. PAVING SHALL BE SLOPED SUITABLY.
4. ANY PRIVATE SERVICE TRENCHES SHALL BE SLOPED AWAY FROM THE BUILDING AND SUITABLY BACKFILLED, IN ACCORDANCE WITH AS2870.
5. MODERATELY & HIGH REACTIVE SITES REQUIRE ADDITIONAL PLUMBING SERVICES & REQUIREMENTS.
6. AVOID PENETRATIONS OF FOOTINGS AND EDGE BEAMS. HOWEVER, NECESSARY PENETRATION SHALL BE SLEEVED TO PERMIT FOR MOVEMENT.
7. AVOID DRAINAGE & PLUMBING BENEATH THE SLAB UNLESS NECESSARY. REFER TO AS/NZS 3500 CLAUSE 4.10)
8. CELL POLYETHYLENE MEMBRANE REQUIRED TO BE AROUND ALL PIPEWORK INCLUDING STORMWATER & SANITARY PLUMBING DRAIN PIPE PENETRATIONS THROUGH FOOTINGS/EDGE-BEAMS.

## DAMP PROOFING MEMBRANE:

1. A 0.2 mm MIN POLYETHYLENE DAMP PROOF MEMBRANE HIGH IMPACT RESISTANCE MEMBRANE SHALL BE PLACED BENEATH THE SLAB SO THAT THE BOTTOM SURFACE IS ENTIRELY UNDER-LAID AND TERMINATES AT GROUND LEVEL.
2. THE MEMBRANE SHALL BE BRANDED CONTINUOUSLY "AS2870 CONCRETE UNDERLAY, 0.2mm HIGH IMPACT RESISTANT" IN COMBINATION WITH MANUFACTURERS NAME/TRADEMARK OR RELEVANT CODE.
3. THE MEMBRANE LAPPING SHALL BE 200mm AT JOINTS AND TAPED AND/OR SEALED AT PLUMBING PENETRATIONS WITH CONTINUOUS CLOSE FITTING SLEAVE OR MADE CONTINUOUS WITH THE VAPOUR BARRIER BY TAPPING AND MADE WATERPROOF.

## AGGRESSIVE SOILS:

1. BUILDINGS WITH MASONRY OR CONCRETE THAT IS EXPOSED TO SALINE OR ACID SULFATE SOILS SHALL BE PROTECTED IN ACCORDANCE WITH THE MANAGEMENT PLANS FROM GEOTECHNICAL AND LOCAL AUTHORITIES. ANY PROTECTION REQUIREMENTS MUST BE PROVIDED TO THIS OFFICE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF DESIGN.

## STRUCTURAL STEEL:

1. HAS BEEN DESIGNED IN ACCORDANCE WITH AS4100 STEEL STRUCTURES CODE'.
2. ALL MATERIAL IS TO BE: (U.N.O.)
   - 2.1 GRADE 250 = HOT-ROLLED PLATES IN ACCORDANCE WITH AS/NZS 3678.
   - 2.2 GRADE 300 - PFC, UB, UC, EA, UA, FLATS AND ROUNDS IN ACCORDANCE WITH AS/NZS 3679.1.
   - 2.3 GRADE 300 WB AND WC IN ACCORDANCE WITH AS/NZS3601.2.
   - 2.4 GRADE C450 RHS AND SHS IN ACCORDANCE WITH AS1163.
   - 2.5 GRADE 350 CHS IN ACCORDANCE WITH AS1163.
3. THE CONTRACTOR IS TO ENSURE THE STABILITY OF THE STRUCTURE. ALL STEELWORK SHALL BE BRACED AND SUPPORT SECURELY TO MAINTAIN THE STRUCTURE IN A SAFE AND STABLE CONDITION DURING THE CONSTRUCTION PERIOD.
4. THE INSTALLATION OF GALINTELS AND 'T' BARS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND DETAILS.
5. BEAMS WHICH ARE SUPPORTED BY BRICKWORK SHALL HAVE INCOMPRESSIBLE PACKING AS REQUIRED UNDER SUPPORT ENDS OF THE BEAM TO ENSURE AN EVEN BEARING SURFACE.. BEARING MEASUREMENTS ARE NOTED ON DRAWINGS.
6. ALL GUSSET AND CLEAT PLATES, BASE PLATES AND CAP PLATES SHALL BE 10mm THICK U.N.O. THE CONTRACTOR SHALL PROVIDE ALL CLEATS AND DRILL HOLES NECESSARY FOR FIXING STEEL TO STEEL AND TIMBER TO STEEL.
7. WELDS:
   - 7.1 WELDING SHALL BE IN ACCORDANCE WITH AS/NZS 1554.1.
   - 7.2 ALL WELDS SHALL BE 8mm CFW (CONTINUOUS FILLET WELD) SP (STRUCTURAL PURPOSES) U.N.O.
   - 7.3 ALL BUT WEDS SHALL BE CP (COMPLETE PENETRATION) BUTT WELDS U.N.O.
   - 7.4 ALL SHOP WELDS SHALL BE FULLY WELDED U.N.O.
   - 7.5 E48XX ELECTRODES SHALL BE USED FOR ALL WELDING U.N.O.
   - 7.6 SITE WELDING OF HOT DIP GALVANISED STEEL IS PERMITTED. IF WELDS ARE TREATED WITH APPROPRIATE COATING IN ACCORDANCE WITH AS/NZS 2312 AND WORKMANSHIP CARRIED OUT AND COMPLY WITH RELEVANT SAA STANDARDS AND OTHER GUIDELINES.
8. BOLTS:
   - 8.1 BOLTS SHALL BE M16 DIAMETER U.N.O. WITH A MINIMUM OF 2 BOLTS PER CONNECTION
   - 8.2 BOLT CATEGORY SHALL BE 8.8/S HIGH STRENGTH STRUCTURAL BOLTS (STRENGTH GRADE 8.8). TIGHTENED TO A SNUG CONDITION AND COMPLIANT WITH AS4100, AS/NSS 1252 AND AS/NZS 4291.1 U.N.O.
   - 8.3 BOLT CATEGORY SHALL BE 4.6/S COMMERCIAL BOLTS (STRENGTH GRADE 4.6) USED FOR HOLDING DOWN, TIGHTENED TO A SNUG TIGHT CONDITION AND COMPLIANT WITH AS1111 U.N.O.
   - 8.4 ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANISED.
   - 8.5 BOLTS SHALL BE PROVIDED WITH THREADS, CLEAR OF THE SHEAR PLANE U.N.O.
9. FINISHES AND SURFACE PREPARATION COMPLY WITH AS/NSZ 2312. THE CONTRACTOR IS TO ENSURE COMPLIANCE IS ACHIEVED.

## MASONRY:

1. MASONRY, MORTAR AND BUILT MASONRY COMPONENTS SHALL COMPLY WITH AS3700 AND AS4773.
2. THE SLAB IS DESIGNED FOR ARTICULATION REQUIREMENTS. ARTICULATION JOINTS SHALL BE CARRIED OUT IN ACCORDANCE WITH AS4773 AND CEMENT, CONCRETE AND AGGREGATES AUSTRALIA BOOKLET TECHNICAL NOTE 61 (ARTICULATED WALLING) AND AS3700 SECTION 12 16.4.
3. MASONRY UNITS TO HAVE A MINIMUM CHARACTERISTIC UNCONFINED STRENGTH OF 20MPa IN ACCORDANCE WITH AS2733.
4. MASONRY ARTICULATION JOINTS SHALL BE POSITIONED AT ANY LOCATION WHERE NEW BRICKWORK MEETS OLD BRICKWORK.
5. WHERE MASONRY ARTICULATION IS SHOWN BESIDE OPENINGS WITH BRICKWORK ABOVE THE OPENING, A SLIP JOINT AROUND THE END OF THE LINTEL SHALL BE PROVIDED WITH CARE.
6. MASONRY SHALL BE BEDDED IN FRESHLY PREPARED MORTAR.
   - 6.1: CONCRETE BLOCKS: MORTAR MIX TO BE UNIFORMLY MIXED TO A RATIO OF ONE-PART CEMENT, ONE-PART LIME AND SIX PARTS SAND CONFORMING TO AS2701.
   - 6.2: CLAY BLOCKS: MORTAR MIX TO BE UNIFORMLY MIXED TO A RATIO OF ONE-PART CEMENT, THREE PARTS SAND AND ONE FOURTH PART LIME CONFORMING TO AS2701.
7. GROUT SHALL HAVE A COMPRESSIVE STRENGTH (F'C) OF 20 MPa AT 28 DAYS, A SLUMP PF 125mm IN A 150mm SLUMP CONE, A MAXIMUM AGGREGATE SIZE OF 10mm AND SHALL BE IN ACCORDANCE WITH AS3700.
8. BEDDING OF MASONRY SHALL BE FULL FACE WITH CROSS JOINTS COMPLETELY FILLED, JOINT THICKNESS SHALL NOT EXCEED 12mm.
9. THE CAVITY SHALL NOT EXCEED 100mm AND SHALL NOT BE SMALLER THAN 40mm UNLESS NOTED OTHERWISE. CAVITY MUST BE KEPT CLEAN AND CLEAR OF OBSTRUCTIONS AND COMPLIANT WITH NCC.
10. RAKING OF JOINTS IS NOT PERMITTED WITHOUT APPROVAL FROM THE ENGINEER.
11. ALL WALLS ARE TO BE KEPT STABLE AT ALL STAGES OF CONSTRUCTION AND SHALL NOT BE OVER STRESSED AT ANY TIME.
12. U.N.O, NO CHASES OR RECESSES PERMITTED IN MASONRY WALLS WITHOUT THE APPROVAL OF THE ENGINEER.
13. WALL TIES TO BE BUILT IN AND FLEXED TO THE TIMBER FRAME 300 EACH SIDE OF ANY ARTICULATION JOINT, AT EVERY THIRD (3RD) COURSE.

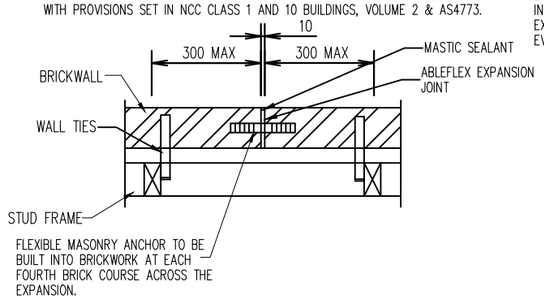
**WIND/WALL TIE CLASSIFCATION**

| WIND | | WALL TIE | HORIZONTAL SPACING (mm) | VERTICAL SPACING (mm) |
|---|---|---|---|---|
| CLASS | VP | | | |
| N1 | W28N1 | LIGHT DUTY | 600 | 600 |
| N2 | W33N2 | MEDIUM DUTY | 600 | 600 |
| N3 | W41N3 | MEDIUM DUTY | 600 | 430 (5 COURSES) |

NOTE:
- WALL TIE SPACINGS AROUND OPENINGS 300CTS. EACH WAY.
- POLYMER WALL TIES RATED 'LIGHT DUTY ONLY' (W28N1)
- VP = DENOTES PERMISSIBLE STRESS METHOD

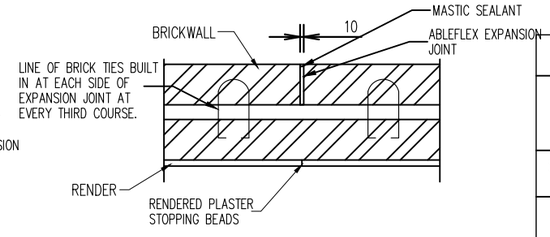
### ARTICULATION JOINT MASONRY VENEER

ALL WALL TIES ARE TO BE BUILT IN AND FIXED TO FRAME PROGRESSIVELY AS CONSTRUCTION PROCEEDS. SPACED AT EACH SIDE OF EXPANSION JOINTS AND AT EVERY THIRD COURSE. THE SPACING OF ALL OTHER TIES SHALL BE IN ACCORDANCE WITH PROVISIONS SET IN NCC CLASS 1 AND 10 BUILDINGS, VOLUME 2 & AS4773.




### ARTICULATION JOINT MASONRY CAVITY

ALL WALL TIES ARE TO BE BUILT IN AND FIXED TO FRAME PROGRESSIVELY AS CONSTRUCTION PROCEEDS. SPACED AT EACH SIDE OF EXPANSION JOINTS AND AT EVERY THIRD COURSE. THE SPACING OF ALL OTHER TIES SHALL BE IN ACCORDANCE WITH PROVISIONS SET IN NCC CLASS 1 AND 10 BUILDINGS, VOLUME 2 & AS4773.




**DURABILITY CLASSIFICATION**

| CATEGORY (DURABILITY) | WALL TIES AS3700 | SALT ATTACK RESISTANCE OF BRICK | MORTAR AS3700 | STRUCTURAL STEEL (SURFACE FINISH) |
|---|---|---|---|---|
| SEVERE MARINE | R4 STAINLESS OR POLYMER | EXPOSURE - AS3700 | M4 (1:4) | GALVANISED (600g PER SQ METRE) |
| MARINE | R3 | EXPOSURE (GP - AS3700) | M3 (1:5) | EXTERNAL GALVANISED (AS/NZS 2312-2002) |
| EXTERIOR | R2 | GENERAL PURPOSE - AS3700) | M2 (1:2:8) | AS/NZS 2312-2002 |

NOTE:
THE TABLE ABOVE IS PART SUMMARY OF THE ACTUAL REQUIREMENTS OF AS3700-2018 & AS4100-1998. IT IS RECOMMENDED TO MAKE REFERENCE TO THESE CODES FOR MORE OPTIONS/INFORMATION.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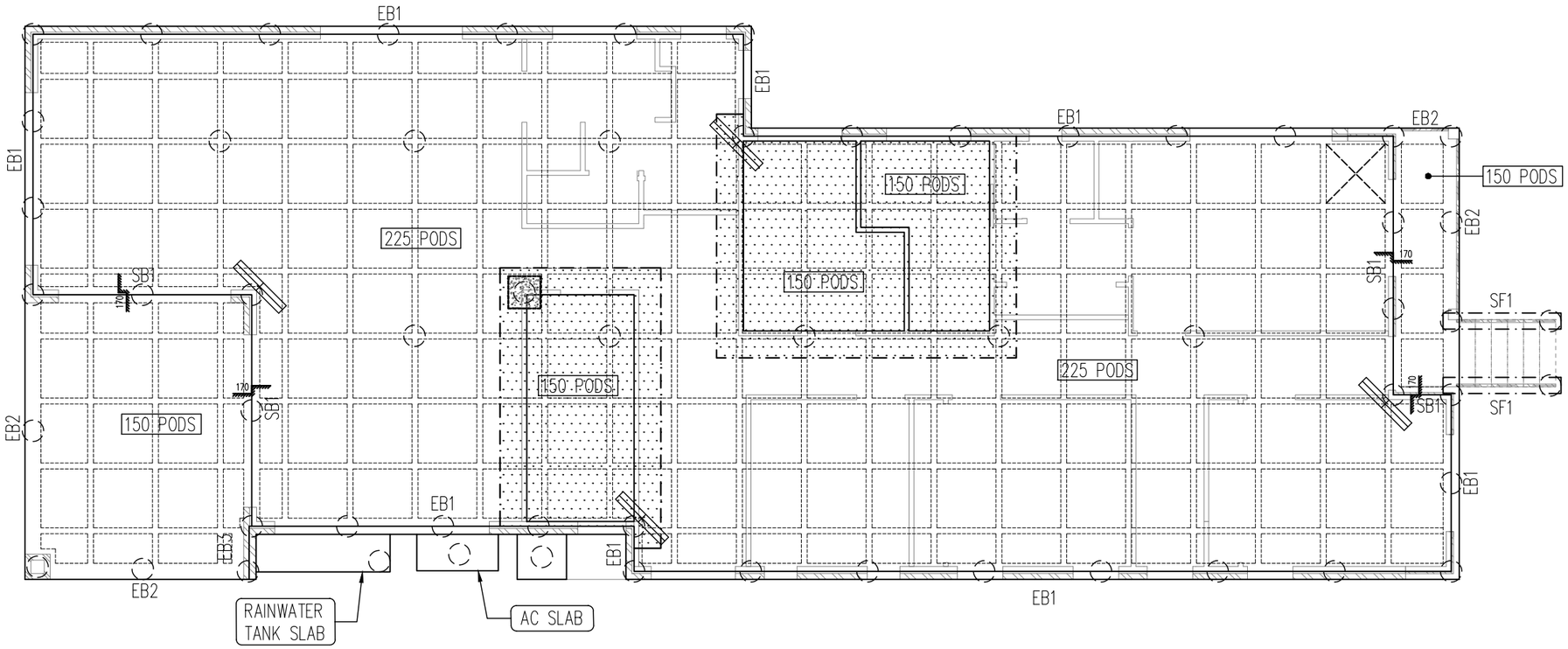
BUILDER: FAIRMONT HOMES NSW

| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| GENERAL NOTES | SHEET NUMBER: | S2 |
| | JOB NUMBER: | PST22346 |




NOTE: IT IS A CONDITION OF CERTIFICATION OF THIS SLAB THAT PIER HOLES AND SLAB STEEL BE INSPECTED PRIOR TO POURING OF CONCRETE BY AN ENGINEER FROM THIS CONSULTANCY.

CONSTRUCTION TYPE: ARTICULATED MASONRY VENEER (NOTE: MASONRY SHALL BE ARTICULATED IN ACCORDANCE WITH TECHNICAL NOTE 61 FROM THE CEMENT & CONCRETE ASSOCIATION OF AUSTRALIA).

## LEGEND

| | | | |
|---|---|---|---|
| | DENOTES STARTING WAFFLE POD | | DENOTES 3L11 TM 2000mm LONG TRIMMER BARS TIED TO UNDERSIDE OF MESH |
| | DENOTES ø400mm MASS CONCRETE PIERS | XX | DENOTES STEP DOWN |
| | DENOTES 600 SQ MASS CONCRETE POD CUT-OUT | | DENOTES WET AREA |

## WAFFLE SLAB SPECIFICATIONS

| | |
|---|---|
| SLAB THICKNESS | 85mm |
| RESIDENCE POD SIZE | 225mm |
| GARAGE/PORCH/ALFRESCO POD SIZE | 150mm |
| RESIDENCE SLAB MESH | SL82 |
| CONCRETE STRENGTH RESIDENTIAL SLAB (F'c) | 25MPa |
| SLUMP | 100mm |
| AGGREGATE SIZE | 20mm |

## REINFORCEMENT COVER SCHEDULE

| | |
|---|---|
| FOOTINGS (TOP/BOTTOM/SIDES) | 50mm |
| INTERNAL SLAB (TOP/SIDES) | 30mm |
| EXTERNAL SLAB (TOP/SIDES) | 40mm |
| BEAMS & RIBS (TOP/BOTTOM/SIDES) | 40mm |
| REINF. CONCRETE PIERS (TOP/BOTTOM/SIDES) | – |

## GEOTECHNICAL SPECIFICATIONS

| | |
|---|---|
| SITE CLASSIFICATION | P |
| SOIL CLASSIFICATION | S |
| CLASSIFIED BY | STS GEOTECHNICS |
| REPORT NO./REF. | 30055/7205 |
| DATED | 07/01/2021 |
| SAFE WORKING CAPACITIES | |
| SLABS & FOOTINGS | 100kPa |
| PIERS | 300kPa |
| FOUNDING BEARING MATERIAL | |
| SILTY SANDY CLAY | |
| AVERAGE BEARING PIER DEPTH | 1.5m + FILL |
| SALINE AFFECTED/ACID SULPHATE REFER TO SALINE/ACID NOTE | - / - |
| EXPOSURE CLASSIFICATION | A1 |

## CONCRETE PIER SPECIFICATIONS

| | |
|---|---|
| DIAMETER ø | 400mm |
| CONCRETE STRENGTH PIERS (F'c) | 25MPa |
| MAX SLUMP | 100mm |
| AGGREGATE SIZE | 20mm |

NOTE:

MAXIMUM EXTERNAL CONCRETE PIER SPACING TO BE 2.2M FOR ONE STOREY DWELLING.

ADDITIONAL PIERING MAY BE REQUIRED DUE TO THE SITE CONDITIONS AND EXCESS SITE FILL OUTSIDE OF THE INITIAL DESIGN PARAMETERS.

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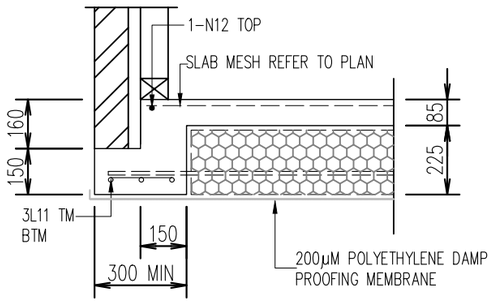
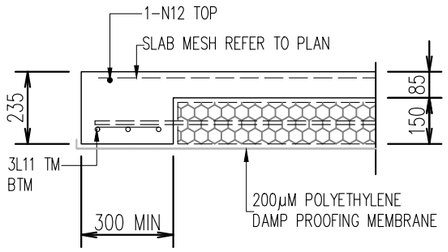
BUILDER: FAIRMONT HOMES NSW

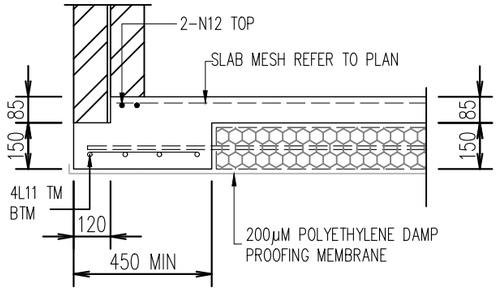
| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| GROUND FLOOR SLAB PLAN | SHEET NUMBER: | S3 |
| | JOB NUMBER: | PST22346 |



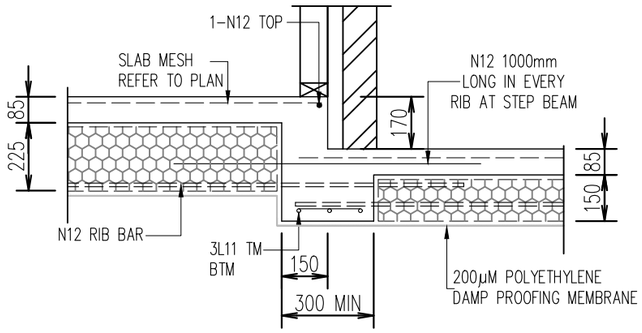

EDGE BEAM 1
-EB1-



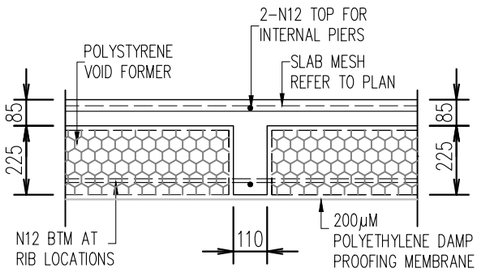

EDGE BEAM 2
-EB2-



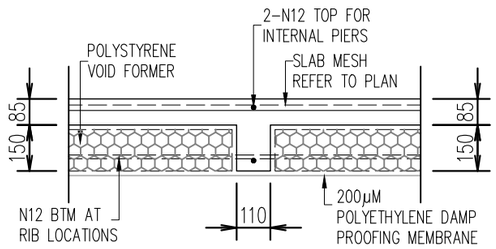

EDGE BEAM 3
-EB3-




STEP BEAM 1
-SB1-



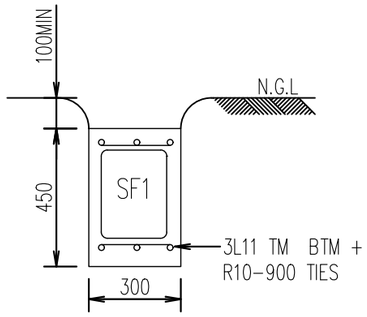

TYPICAL INTERNAL
RIB-1



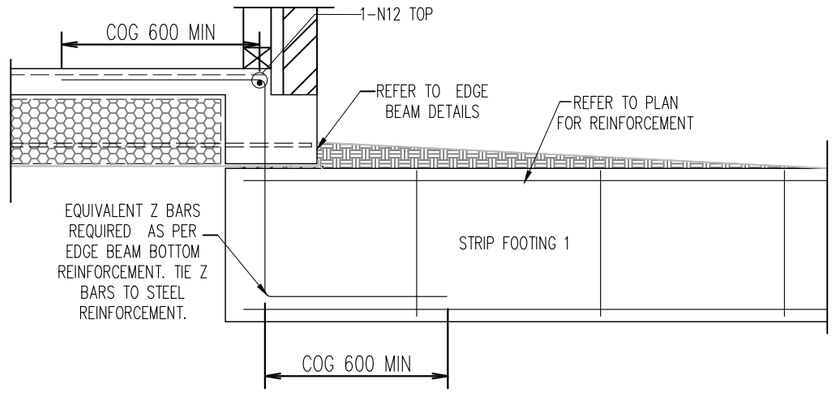

TYPICAL INTERNAL
RIB-2

## REINFORCEMENT FOR BEAMS

| (BW) WIDTH | TOP STEEL | BTM STEEL |
|---|---|---|
| 301 - 330 | 1-N12 | 3-N12 |
| 331 - 440 | 2-N12 | 4-N12 |
| 441 - 550 | 3-N12 | 5-N12 |
| 551 - 660 | 4-N12 | 6-N12 |




STRIP FOOTING 1
-SF1-




STRIP FOOTING TO EDGE BEAM CONNECTION

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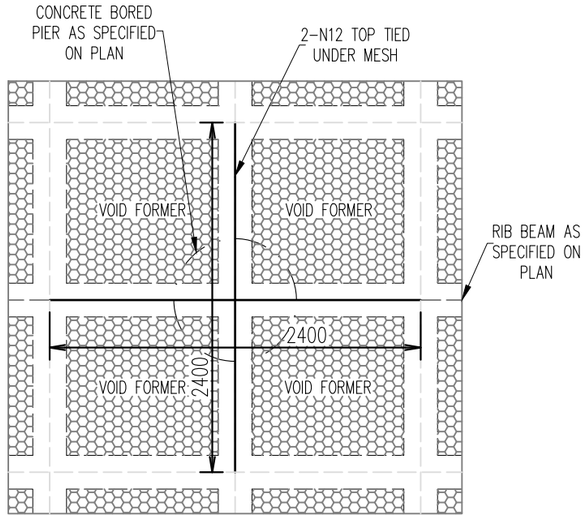
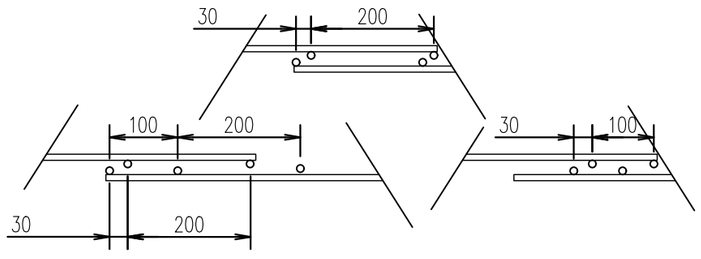
BUILDER: FAIRMONT HOMES NSW

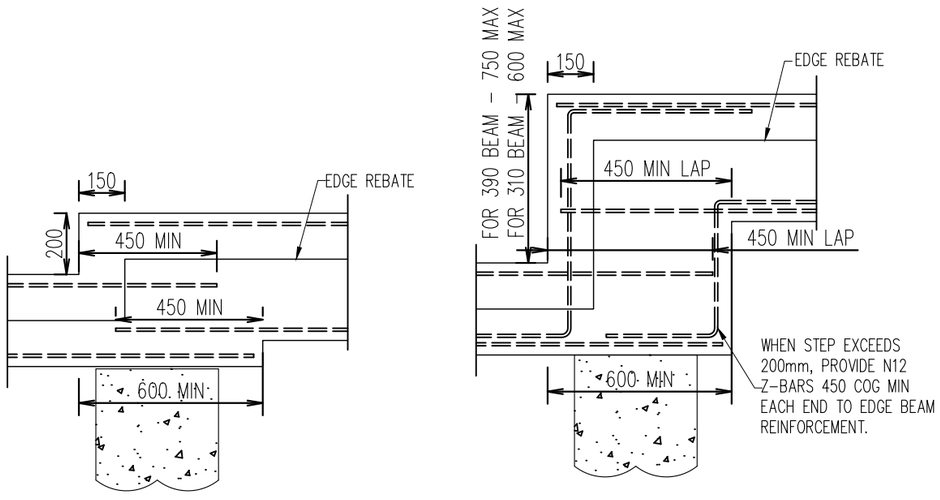
| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| GROUND FLOOR SLAB PLAN<br>SECTIONS & DETAILS | SHEET NUMBER: | S4 |
| | JOB NUMBER: | PST22346 |




TYPICAL REINFORCEMENT FOR INTERNAL PIERS




METHODS OF LAPPING MESH




ELEVATION OF PERIMETER BEAM AT STEP

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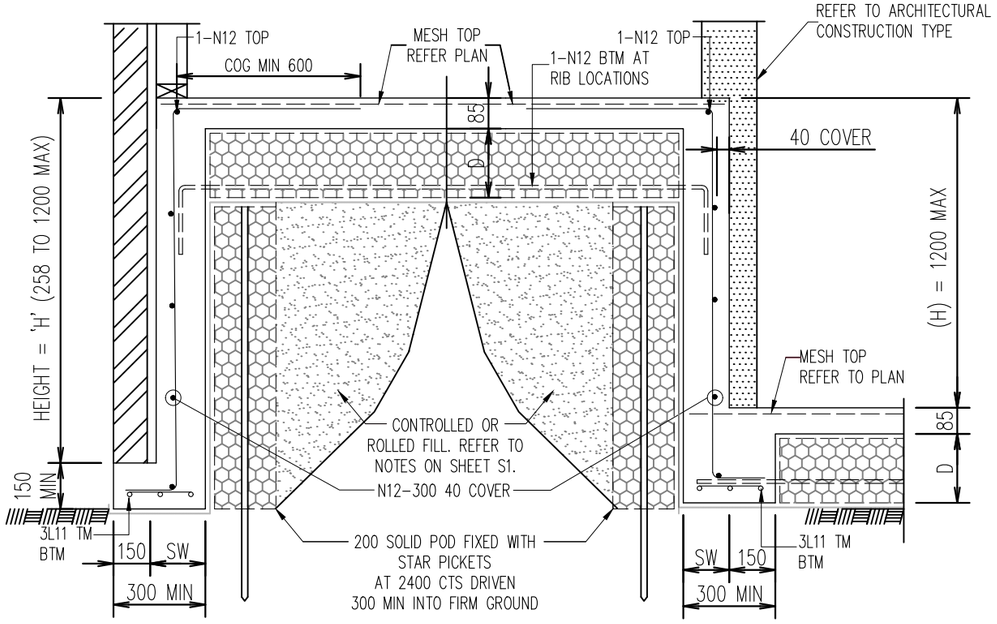
BUILDER: FAIRMONT HOMES NSW

| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| GROUND FLOOR SLAB PLAN SECTIONS & DETAILS | SHEET NUMBER: | S5 |
| | JOB NUMBER: | PST22346 |




EXTERNAL DEEPENED EDGE BEAM

INTERNAL DEEPENED STEP BEAM

*NOTE – IF EDGE BEAM INCREASES GREATER THAN 300MM ADDITIONAL N12 BAR IS REQUIRED SEE REINFORCEMENT FOR RIB & BEAMS TABLE.

## DEEPENED EDGE/STEP BEAM TABLE

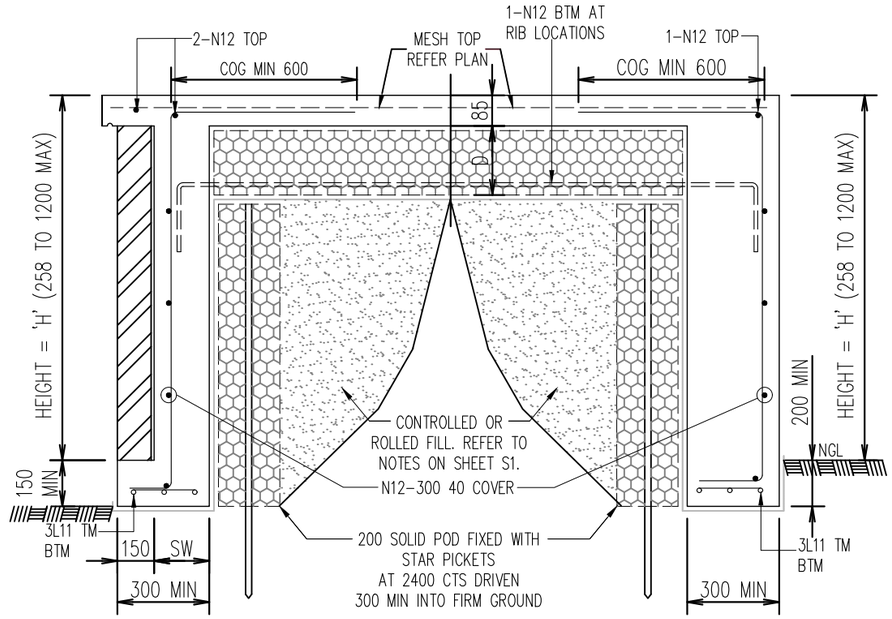
| HEIGHT (H) | (SW) STEM WIDTH |
|---|---|
| UP TO 1200 | 150 |

## WAFFLE POD SIZES M SITE CLASS

| (D) | WAFFLE POD SIZES |
|---|---|
| MAIN RESIDENCE | 225 |
| GARAGE | 150 |
| PATIO/ALFRESCO | 150 |

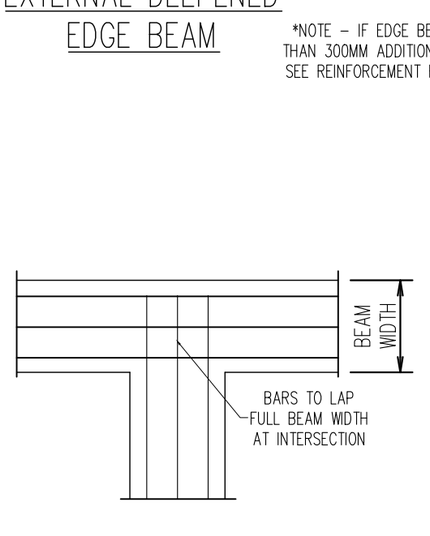
## REINFORCEMENT SCHEDULE

| (H) | VERT. REINFORCEMENT |
|---|---|
| 258 – 400 | N12 – 900 |
| 401 – 900 | N12 – 400 |
| 901 – 1200 | N12 – 300 |

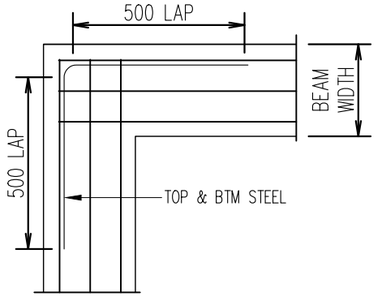



EXTERNAL DEEPENED EDGE BEAM PORCH/ALFRESCO

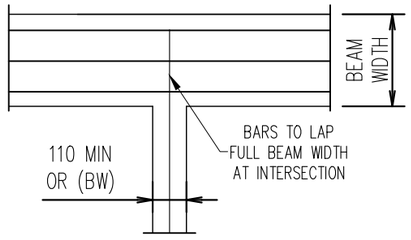
*NOTE – IF EDGE BEAM INCREASES GREATER THAN 300MM ADDITIONAL N12 BAR IS REQUIRED SEE REINFORCEMENT FOR RIB & BEAMS TABLE.




PLAN ON INTERSECTION

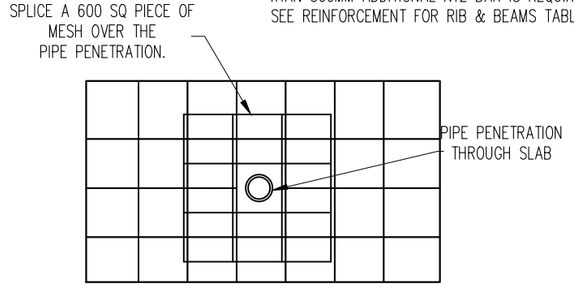



PLAN ON CORNER DETAIL

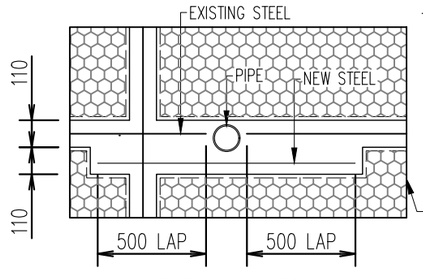



PLAN ON INTERSECTION

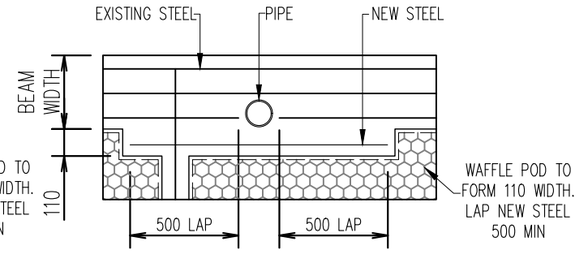
REINFORCING BARS SHALL HAVE A LAP LENGTH AT SPLICES OF 500mm, MIN. AT 'T' AND 'L' INTERSECTIONS, THE BARS SHALL BE CONTINUED ACROSS THE FULL WIDTH OF THE RESPECTIVE INTERSECTIONS. AT L–INTERSECTIONS, A BENTBAR 500mm LONG ON EACH LEG SHALL BE PROVIDED. REFER TO DETAILS ABOVE.




VERTICAL PIPE PENETRATION THROUGH SLAB




THROUGH RIBS




THROUGH BEAMS

PLAN ON PIPE PENETRATIONS

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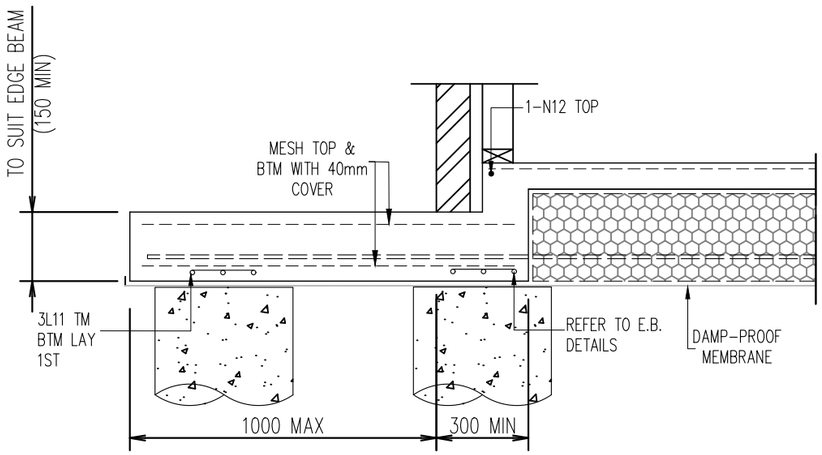
BUILDER: FAIRMONT HOMES NSW

| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| GROUND FLOOR SLAB PLAN SECTIONS & DETAILS | SHEET NUMBER: | S6 |
| | JOB NUMBER: | PST22346 |

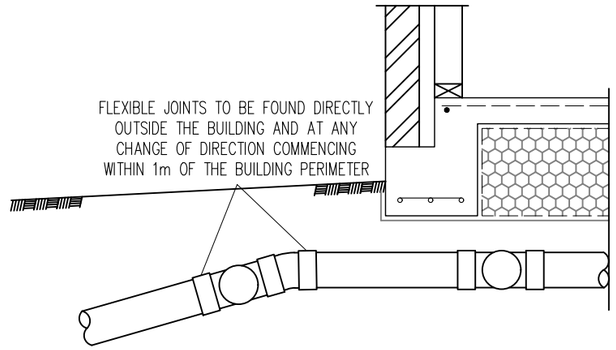



## ACU/HWS SLAB DETAILS

CONSTRUCTION TYPE MAY VARY. APPLICABLE TO ALL E.B.

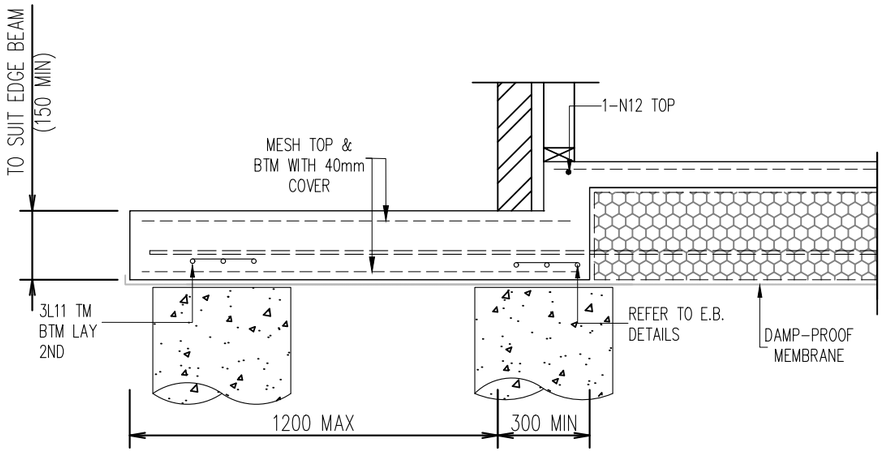
NOTE FOR CRITICAL BACKFILL AREA:

1. THE UTILITIES TRENCH (CRITICAL AREA) SHOULD BE BACKFILLED WITH CONCRETE, MORTAR AND/OR CEMENT-STABILISED SOIL.
2. TRENCH BACKFILL SHALL BE COMPACTED IN ACCORDANCE WITH CLAUSE 5.5 OF AS/NZS 3500.2-2003 OR CLAUSE 7.2.13 OF AS/NZS3500.3-2003. SAND BEDDING AND SURROUND SHALL BE BLOC KED WITH A CLAY PLUG WHEREVER TRENCHES PASS THE EDGE OF ANY SLAB.
3. UTILITY TRENCHES SHALL BE LOCATED OUTSIDE THE ZONE OF INFLUENCE OF FOOTINGS. THE HORIZONTAL DISTANCE TO ANY TRENCH EXCAVATION MUST BE GREATER THAN THE TRENCH DEPTH (CLAUSE 6.3 AS2870 -2011). THE CLEARANCE DISTANCE IS TO BE DOUBLED FOR SAND SITES.



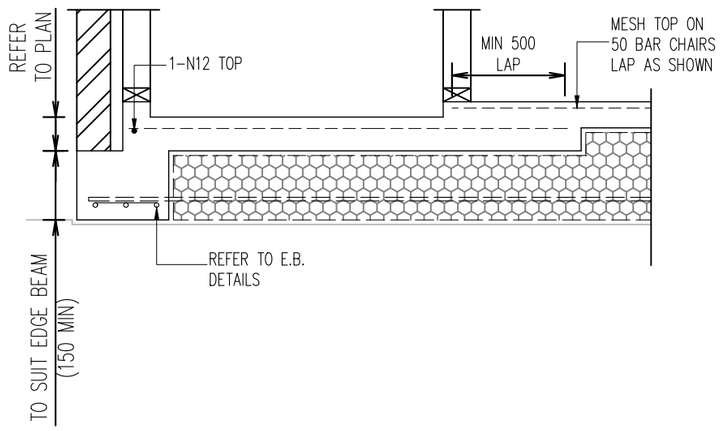

## UNDER SLAB EDGE BEAM PLUMBING DETAIL

THE FLEXIBLE JOINTS SHALL ACCOMODATE A TOTAL RANGE OF DIFFERENTIAL MOVEMENT OF THE SITE YS VALUE. SEEK SPECIALIST ADVICE FROM A SUITABLY QUALIFIED PLUMBER ABOVE DETAIL TO COMPLY FULLY IN ACCORDANCE WITH AS3500. REFER TO AS3500 AND LOCAL COUNCIL REQUIREMENTS FOR SPACING (MAXIMUM) BETWEEN JOINTS.



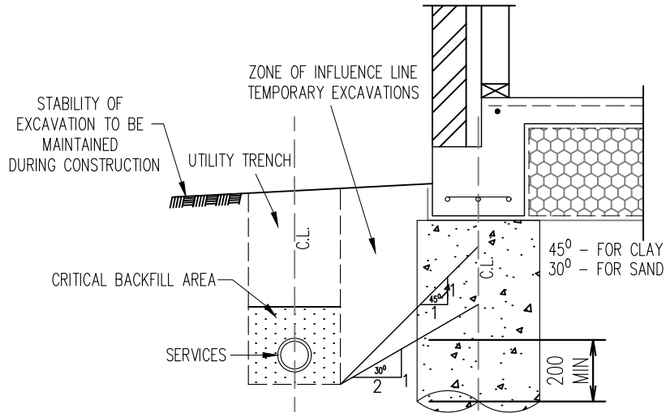

## RAINWATER TANK SLAB DETAILS

CONSTRUCTION TYPE MAY VARY. APPLICABLE TO ALL E.B.




## TYPICAL WET AREA SET DOWN

USE IN ACCORDANCE TO ARCHITECTURAL PLANS.




## PRIVATE HOUSE SERVICES TRENCH DETAIL

DRAINAGE CONTRACTOR SHALL COMPLY WITH ABOVE DETAIL IN FULL.
IT IS OUTSIDE THE CONTROL OF THE ENGINEER TO ENSURE THAT THE DRAINAGE CONTRACTOR COMPLIES WITH THESE DETAILS

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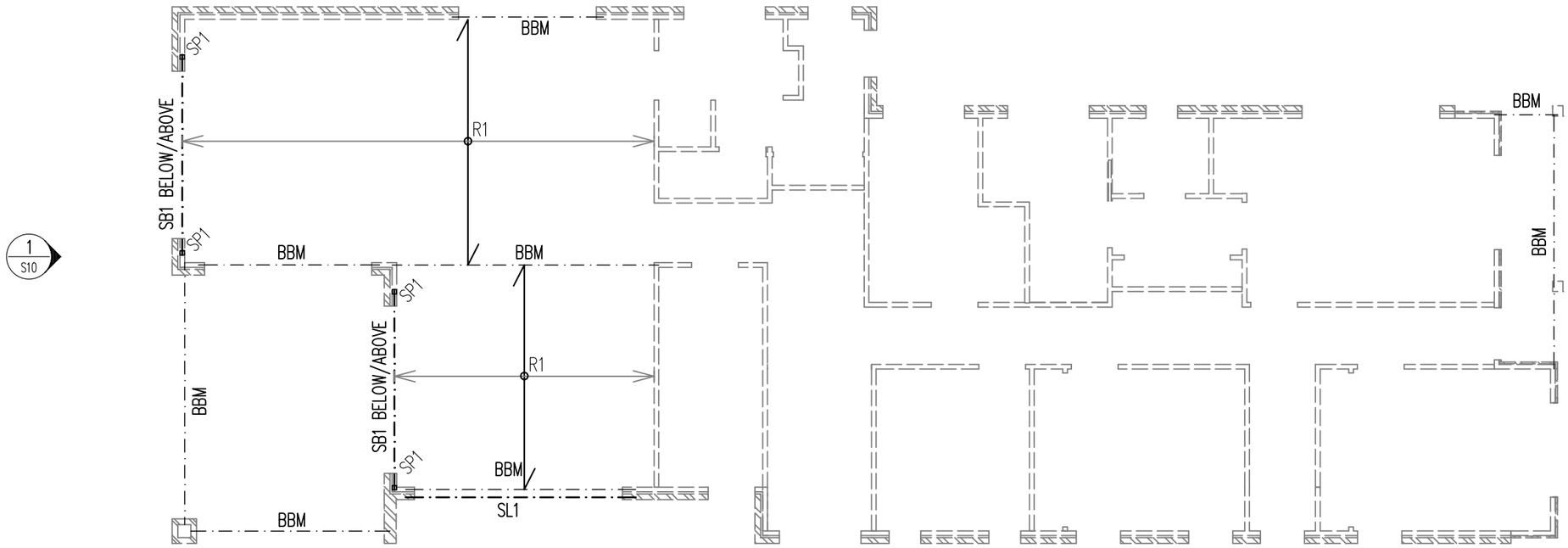
BUILDER: FAIRMONT HOMES NSW

| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| GROUND FLOOR SLAB PLAN SECTIONS & DETAILS | SHEET NUMBER: | S7 |
| | JOB NUMBER: | PST22346 |




# ROOF SUPPORT PLAN

SCALE: 1:100

NOTES:

1. ALL EXPOSED STEEL TO BE PRESSURE GALVANISED
2. ALL STEEL FIXINGS TO BE IN ACCORDANCE TO AS4100
3. ALL EXPOSED TIMBER TO BE PRESSURE TREATED TO AS1684
4. ALL DETAILS TO BE CONFIRMED DURING CONSTRUCTION
5. ALL TIMBER TO BE IN ACCORDANCE TO AS1684
6. ROOF TO BE BUILT IN ACCORDANCE TO AS1684

ROOF:

1. THE SLAB HAS BEEN DESIGNED FOR ROOF LOADINGS TO BE SUPPORTED BY PROPRIETARY TRUSSES ONTO EXTERNAL WALLS ONLY U.N.O.
2. PITCHED ROOF REQUIREMENTS SHALL BE PROVIDED BY THE CONTRACTOR TO THIS CONSULTANCY BEFORE COMMENCING OF DETAILING.
3. THE BASIS OF DESIGN SHALL BE SAA LOADING CODE AS1170.1, AS 1170.2 AND SAA TIMBER STRUCTURE CODE AS1720.1.
4. DESIGN THE ROOF TRUSSES IN ACCORDANCE WITH THE WIND CLASSIFICATIONS AS SPECIFIED.
5. PROVIDE ANY TEMPORARY BRACING REQUIRED TO MAINTAIN THE STABILITY OF THE TRUSSES AT ALL STAGES OF ERECTION.
6. MAKE ALLOWANCES FOR SIZE AND LOCATIONS OF MECHANICAL SERVICES AND AIR CONDITIONING DUCTWORK IF APPLICABLE.
7. PROVIDE CERTIFICATION FROM A QUALIFIED CONSULTANCY THAT THE TRUSSES ARE STRUCTURALLY SUFFICIENT.

ALL EXTERNAL/EXPOSED STEEL BEAMS, POSTS, PLATES, BOLTS, WELDS TO BE FULL GALVANISED

TIMBER STAIRS TO MANUFACTURER'S SPECIFICATIONS

NOTE:

1. ALL STUD WALL AND ROOF TIE DOWNS TO BE IN ACCORDANCE WITH AS1684 AND/OR NASH HANDBOOK.
2. BRACING PLAN SHALL BE PROVIDED BY FRAMES AND TRUSS MANUFACTURER.

## LEGEND

| | |
|---|---|
| | DENOTES RAFTER DIRECTION |
| SP1 | DENOTES STEEL POST |

| ROOF LOADING | |
|---|---|
| LOWER ROOF | SHEET (40kg/m²) |
| FIRST FLOOR ROOF | SHEET (40kg/m²) |

| FLOOR LOADING ASSUMPTION | |
|---|---|
| FIRST FLOOR | FLOOR BOARDS/CARPET |
| ALL WET AREAS | TILED FLOOR |

## TIMBER MEMBER SCHEDULE

| | | |
|---|---|---|
| BBM | BEAM | BEAM BY MANUFACTURERS |
| R1 | RAFTER | RAFTER BY MANUFACTURERS SPECIFICATIONS |

## STEEL MEMBER SCHEDULE

| | | |
|---|---|---|
| SB1 | STEEL BEAM | 180 PFC + 200 x 10mm PLATE |
| SL1 | STEEL LINTEL | 150 x 100 x 10mm UA |

NOTE: SL1 MINIMUM 200mm BRICKWORK END BEARING

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| REV: | TYPE OF REVISION | DATE | DESIGN | DRAWN |
|---|---|---|---|---|
| A | ISSUED FOR APPROVAL | 29.07.2022 | D.S. | T.N. |
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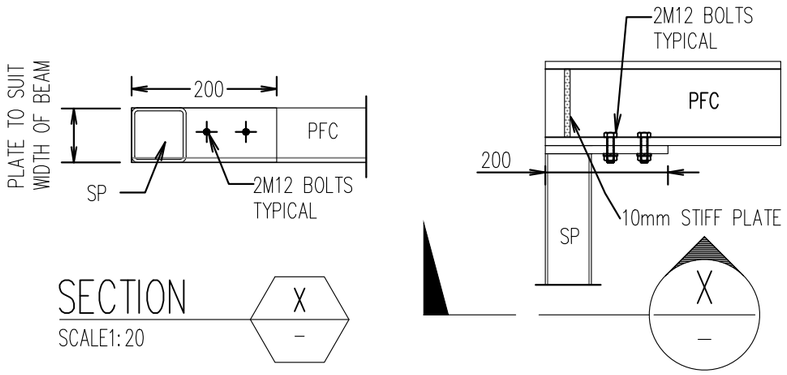
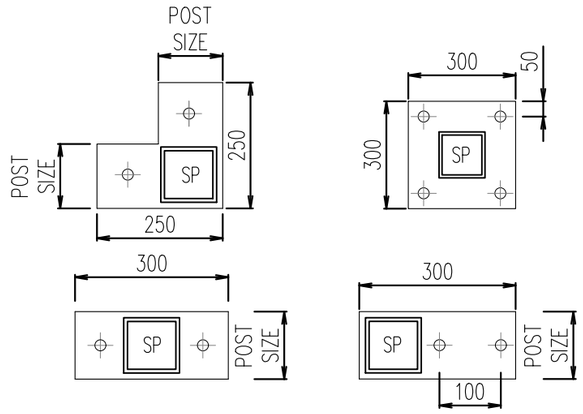
BUILDER: FAIRMONT HOMES NSW

| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| ROOF SUPPORT PLAN SECTIONS & DETAILS | SHEET NUMBER: | S8 |
| | JOB NUMBER: | PST22346 |



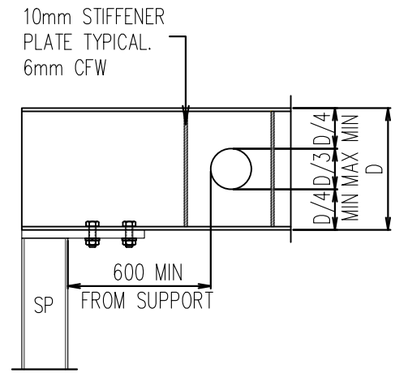

## STEEL POST TO BEAM CONNECTION DETAIL



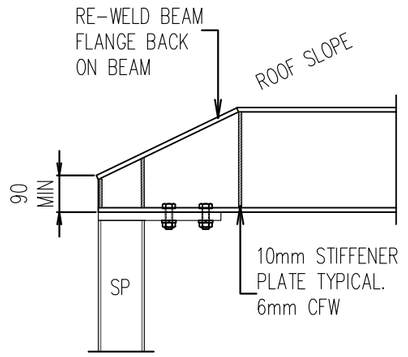

## SHS STEEL POST BASE PLATE DETAILS

SCALE 1:10

1. ALL BASE PLATES TO BE 10mm PLATE (8mm CFW)
2. ORIENTATE BASE PLATE TO SUIT WALL LOCATION
3. M12 DYNABOLTS WITH 150mm EMBEDMENT

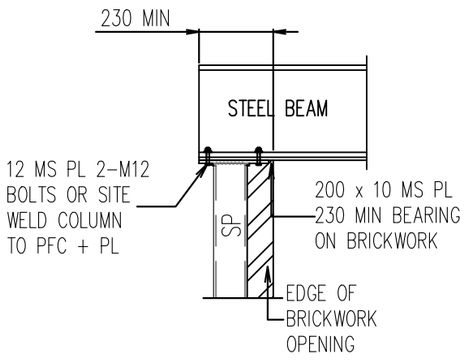



## STEEL BEAM PENETRATION DETAIL

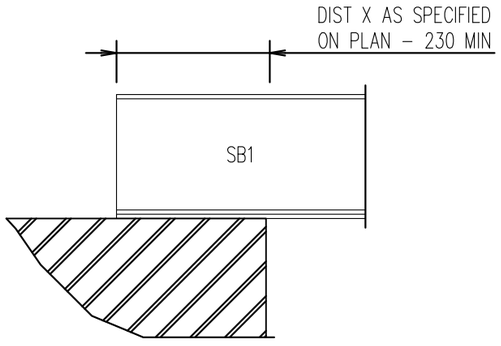



## TYPICAL SPLAY DETAIL

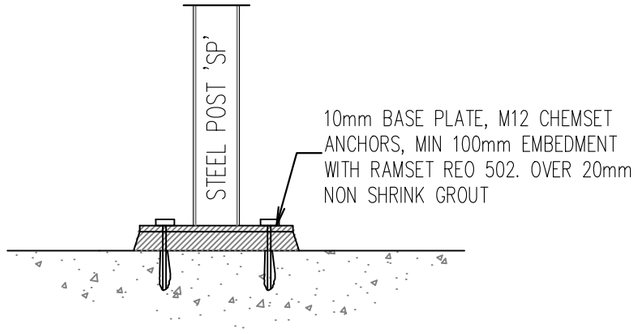
NOTE: THE BUILDER IS TO DETERMINE IF THIS DETAIL IS REQUIRED



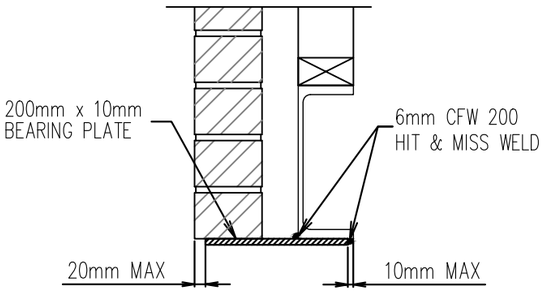

## TYPICAL CHANNEL + PLATE SUPPORT




## TYPICAL BEAM BEARING DETAIL




## STEEL POST TO SLAB CONNECTION DETAIL




## TYPICAL PFC+PLATE DETAIL

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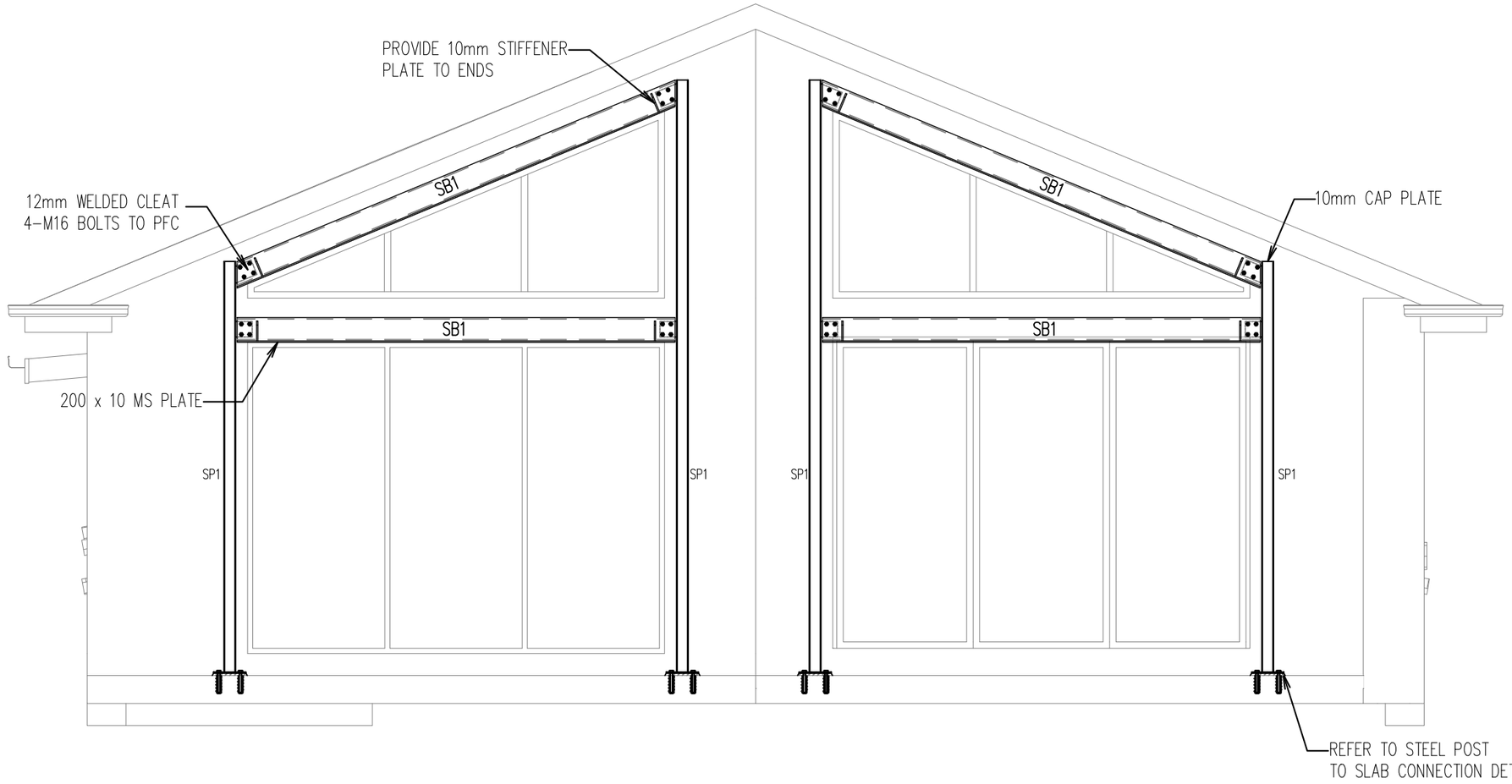
BUILDER: FAIRMONT HOMES NSW

| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| FIRST FLOOR FRAMING PLAN SECTIONS & DETAILS | SHEET NUMBER: | S9 |
| | JOB NUMBER: | PST22346 |




ELEVATION 1 / S8

SCALE 1:20

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BUILDER: FAIRMONT HOMES NSW

| | | |
|---|---|---|
| CLIENT: CHAN & SOO | SITE CLASSFICATION: | P/S |
| ARCH JOB NO: 1980 | SCALE: | 1:100 |
| PROJECT ADDRESS: 24 RAILWAY STREET, HURLSTONE | REVISION: | A |
| | SIZE: | A3 |
| FIRST FLOOR FRAMING PLAN SECTIONS & DETAILS | SHEET NUMBER: | S10 |
| | JOB NUMBER: | PST22346 |