WORKS PHILOSOPHY

- WP1 REPAIRS ARE AIMED AT PROVIDING STRUCTURAL STABILITY TO THE BUILDINGS WHILE CONSERVING AND PRESERVING HERITAGE FABRIC.
- WP2. WHERE TIMBER ELEMENTS ARE SCHEDULED TO BE REPLACED THIS IS TO BE DONE ON A LIKE FOR LIKE BASIS INCLUDING DIMENSIONS AND DECORATIVE FEATURES (FOR EXAMPLE : ADZING TO EXPOSED FACES, CHAMFERS, BEVELS
- WP3. ALL NEW TIMBER TO BE SEASONED HARDWOOD FREE OF SPLITS OR DEFECTS.
- WP4. AT SPLICES TRIM AND SHAPE TIMBER TO MATCH ADJACENT ORIGINAL
- WP5. RFPAIR DFTAILS SHOWN ARE INDICATIVE ONLY. THEY WILL NEED TO BE DIMENSIONALLY ADAPTED TO SUIT SITE GEOMETRY.
- WPS. ALL BOLTS AND BRACKETS EXPOSED TO THE WEATHER OR EMBEDDED IN EXTERNAL WALLS ARE TO BE GRADE 316 STAINLESS STEEL.
- WP6. ALL TIE WIRE AND INTERNAL BOLTS AND BRACKETS TO BE HOT DIP GALVANISED.
- WP7. PRE DRILL WHEN NAILING EXISTING MEMBERS.
- WP8 PROVIDE TEMPORARY PROPPING AND BRACING WHERE NECESSARY TO STABILISE FLEMENTS PRIOR TO AND DURING WORKS.
- WP9. WHERE POSSIBLE EXISTING MATERIAL IS TO BE KEPT IN ITS ORIGINAL LOCATION AND REPAIRED. WHERE SALVAGEABLE MATERIAL MUST BE REMOVED OR REPLACED IT SHOULD BE REUSED ELSE-WHERE IF POSSIBLE.

TIMBER LINTELS, BEAMS AND HORIZONTAL GROUNDS EMBEDED IN THE WALLS

- TL1. ALL TIMBER LINTELS AND HORIZONTAL GROUNDS SHALL BE EXAMINED. BY CAREFUL PEELING BACK OF FINISHES. WHERE CONDITION IS DOUBTFUL THE TIMBER SHALL BE DRILL TESTED WITH AN 8mm TWIST DRILL TO CHECK FOR VOIDS AND DECAY. REPAIR AND REPLACEMENT SHALL BE AGREED WITH THE ENGINEER
- TL2. REPLACEMENT OF THE TIMBER LINTELS WILL BE BY SUITABLE TEMPORARY PROPPING AND REPLACEMENT WITH SOUND SEASONED HARDWOOD SHAPED AND FINISHED TO MATCH ORIGINAL AND PACKED TIGHT IN PLACE WITH MORTAR TO MATCH ORIGINAL.
- TL3. REPLACEMENT OF TIMBER GROUNDS CAN BE DONE IN DISCRETE LENGTHS WITH HORIZONTAL HALVED SPLICES AT JUNCTIONS. THE SPLICES DO NOT NEED TO BE CONNECTED. THE GROUNDS ARE TO BE SOUND SEASONED HARDWOOD SHAPED AND FINISHED TO MATCH ORIGINAL AND ARE TO BE SET INTO A MORTAR NEED TO BE CONNECTED. THE GROUNDS ARE TO BE SET INTO A MORTAR BACKING AND MORTAR PACKED ALL AROUND.
- TL4. REPLACEMENT TIMBER IS TO BE NEATLY AND DISCRETELY MARKED 2010 BY ENGRAVING OR STAMPING INTO A SUITABLE EXPOSED POSITION
- TLS. FOR ESTIMATING PURPOSES ALLOW FOR REPLACEMENT OF 100 LINEAL METRES OF EMBEDDED TIMBER GROUNDS. PROVIDE A RATE PER LINEAL METRE FOR REPLACEMENT OF GROUNDS TO ALLOW ADJUSTMENT TO COSTS FOR LENGTHS GREATER OR LESS THAN THIS ALLOWANCE.

TERMITE PROTECTION

TP1. WHERE DISTURBED BY THE WORKS REMOVE AND REPLACE TERMITE BAITING

GENERAL NOTES

- G1. THESE STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL APPROVAL CONDITIONS, ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE
- G2. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH SOUND HERITAGE CONSERVATION PRACTICE.
- G3. ALL SET OUT DIMENSIONS SHOWN ON THESE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE BUILDER ON SITE. DO NOT SCALE THESE STRUCTURAL DRAWINGS FOR DIMENSIONS.
- G4. UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
- G5. THE METHOD OF CONSTRUCTION AND THE MAINTENANCE OF BUILDING STABILITY SAFETY DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE BUILDER IF ANY STRUCTURAL ELEMENT PRESENTS DIFFICULTY IN RESPECT OF CONSTRUCTABILITY OR SAFETY, THE MATTER SHALL BE REFERRED TO THE STRUCTURAL ENGINEER FOR RESOLUTION BEFORE PROCEEDING WITH THE
- G6. DURING CONSTRUCTION THE STRUCTURE SHALL BE PROTECTED AND MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERLOADED. THE BUILDER SHALL PROVIDE TEMPORARY BRACING, SHORING AND PROPPING IN ORDER TO KEEP THE BUILDING WORKS AND EXCAVATIONS STABLE AT ALL TIMES. ALL TEMPORARY WORKS SHALL BE APPROVED BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER PRIOR TO IMPLEMENTATION.
- G7. THE BUILDER IS RESPONSIBLE FOR THE ADEQUACY OF ALL TEMPORARY WORKS INCLUDING SHORING, PROPPING AND BRACING AND WHERE NECESSARY IS TO ENGAGE A STRUCTURAL ENGINEER TO DESIGN AND CERTIFY HIS
- G8. IF THERE IS A DISCREPANCY IN MEMBER SIZES FOR ANY COMPONENT ASSUME FOR PRICING PURPOSES ONLY THAT THE LARGER OR MORE EXPENSIVE SIZE IS CORRECT. REFER TO STRUCTURAL ENGINEER FOR DECISION BEFORE DETAILING OR CONSTRUCTION.
- G9. DETAIL AND SECTION IDENTIFICATION



— DRAWING REFERENCE

- DETAIL OR SECTION REFERENCE

TIMBER

- T1. ALL TIMBER DESIGN, MATERIAL AND CONSTRUCTION TO COMPLY WITH AS1170
- TIMBER FRAMING SHALL COMPLY WITH AS1684
- HARDWOOD TO BE SEASONED MINIMUM GRADE E14 JOINT GRADE IS UND SUBMIT SUPPLIER'S CERTIFICATE AS TO STRESS GRADE OF TIMBER MEMBERS. ALL TIMBER SHALL BE YEAR MARKED
- T4. EXTERNAL TIMBER SHALL BE HARDWOOD MINIMUM DURABILITY CLASS 1
- ALL SIZES ASSUME NO NOTCHING. ALL JOINTS AND ENDS ARE TO BE A MIN 100mm AWAY FROM ANY TIMBER DEFECTS
- ALL BOLTS IN TIMBER CONSTRUCTION TO BE MINIMUM M16 UNLESS NOTED OTHERWISE BOLT HOLES TO BE DRILLED EXACT BOLT SIZE WASHERS UNDER HEADS AND NUTS TO BE AT LEAST 2.5 TIMES BOLT
- TIMBER TOLERANCES ON THE FINISHED WIDTH AND THICKNESS TO BE IN ACCORDANCE WITH AS2082, AS1748, AS3519 AS APPROPRIATE
- ALL TIMBER JOINTS AND NOTCHES ARE TO BE 100MM MINIMUM AWAY FROM LOOSE KNOTS, SEVERE SLOPING GRAIN, GUM VEINS OR OTHER

CLAY BRICK MASONRY

- M1. BRICK REPAIRS SHALL BE CARRIED OUT WITH SALVAGED BRICKS FROM SITE OR BRICKS FROM ELSEWHERE OF AS CLOSE A MATCH AS POSSIBLE IN COLOUR, TEXTURE & SIZE. BRICKS TO BE APPROVED BY THE
- M2. EXISTING MORTAR SHALL BE ANALYSED FOR COMPOSITION BY APPROPRIATE TESTING LABRATORY. NEW MORTAR SHALL MATCH EXISTING.
- SALVAGE AND REUSE EXISTING MORTAR SUPPLIMENTED WITH NEW MORTAR
- WHERE SUITABLE BRICKS CAN NOT BE SOURCED THEN THE BUILDER IS TO HAVE BRICKS MANUFACTURED TO MATCH EXISTING. THE BUILDER IS TO PREPARE A SAMPLE OF TEN BRICKS FOR THE ARCHITECTS APPROVAL PRIOR TO MANUFACTURING THE REMAINDER
- ALL MANUFACTURED BRICKS ARE TO BE PERMANENTLY MARKED TO IDENTIFY THEM AS NON-ORIGINAL. THE NATURE OF THE MARK IS TO BE AGREED WITH
- ALL LOOSE FRETTED BRICKWORK IS TO BE REMOVED FROM EXPOSED FACES
- BRICKS WITH LESS THAN 15 mm OF LOSS OF FACE MAY REMAIN IN-SITU IF
- BRICKS WITH MORE THAN 15 mm OF LOSS BUT LESS THAN 30mm OF LOSS MAY BE ROTATED AND RE-USED IF DESALINATED AND SOUND. THE VOID SPACE IS TO BE MADE UP WITH MORTAR
- DESALINATE BRICKS THAT ARE SALVAGED FROM ELSEWHERE.
- AREAS OF MORTAR LOSS ARE TO BE RE-POINTED USING MATCHING MORTAR TO ACHIEVE FULL DEPTH BEARING CONTACT ON BEDS AND PERPENDS, AS INSTRUCTED BY THE SUPERINTENDENT

TENDERERS SHALL ALLOW FOR 10SQM OF RE-POINTING WITH A +/- RATE FOR VARIATION

BRICK STITCHING

- REMEDIAL BRICK REINFORCING IS TO BE CARRIED OUT USING 6mm STAINLESS STEEL HELIBARS BY HELIFIX FIXED WITH LIME MORTAR, (NOT WITH HELIBOND, CEMENTITOUS MORTARS OR EPOXY MORTARS)
- BS2. BRICK REINFORCING SHOWN ON THE DRAWINGS IS INDICATIVE OF LAYOUT. DETAILED LAYOUT IS TO BE AGREED ON SITE WITH THE STRUCTURAL ENGINEER AND ARCHITECT

POST SUPPORT

- PS1. MAINTAIN SOUND POSTS AND POST REMNANTS IN-SITU. ALLOW TO PROP AND SUPPORT AS REQUIRED
- PS2. ANY PROPOSED REMOVAL IS TO BE CONFIRMED WITH THE ARCHITECT AND ENGINEER PRIOR TO REMOVAL

USE OF PROPRIETARY MATERIALS

PM1 ALL PROPRIETARY MATERIALS MUST BE USED STRICTLY ACCORDING TO THE MANUFACTURERS INSTRUCTIONS.

EXISTING PROP REMOVAL

- PROPS SHALL ONLY REMOVED ONCE ALL OF THE REMEDIAL WORKS ARE COMPLETED AND INSPECTED BY THE ENGINEER
- INSERT AN ACROW PROP ADJACENT TO THE PROP TO BE REMOVED AND APPLY SUFFICIENT SCREW PRESSURE TO JUST ALLOW THE EXISTING PROP TO BE REMOVED
- CAREFULLY REMOVE THE EXISTING PROP WITH CAUSING ANY IMPACT
- MONITORING THE STRUCTURE OVER, SLOWLY RELEASE THE ACROW PROP AND CHECK THAT NOW MOVEMENT HAS TAKEN PLACE
- IF ANY MOVEMENT OCCURS, RE-TIGHTEN THE ACROW PROP AND ADVISE THE ENGINEER IMMEDIATELY

FIRST FLOOR AND ROOF TIMBER FRAMING

- ALL THE TIMBER FLOOR/CEILING JOISTS, BEARERS AND RAFTERS MUST BE INVESTIGATED AND ASSESSED FOR RE-USE PRIOR TO REMOVAL OF ANY OF THE EXISTING PROPS
- FF2. ANY PROP REMOVAL SHALL COMPLY WITH THE PR NOTES ABOVE
- SUBJECT TO THE APPROVAL OF THE ARCHITECT, REMOVE ALL CEILING LININGS (OR FLOOR BOARDS) TO FACILIATE A FULL AND COMPLETE INSPECTION OF THE JOISTS AND BEARERS
- ALL TIMBER MEMBERS SHALL 'SOUNDED' TO DETERMINE ANY LOCALISED AREAS OF DECAY. INDENTIFIED AREAS SHALL BE DRILL RESISTANCE TESTED WITH A <6mm DIAMETER TWIST DRILL
- IF DURING DRILL TESTING AN AREA HAS A DEFECT > DEPTH OR WIDTH BY 20% OF THE OVERALL DIMENSION, THE ENGINEER MUST RF ADVISED. A REPAIR OR SUPPLEMENTATION INSTRUCTION WILL THEN BE ISSUED BY THE ENGINEER
- FOR TENDERING PUPOSES ONLY ALLOW FOR NEW TIMBER MEMBERS: BEARERS: 300x63 LVL

JOISTS: 100×45 LVL 30m RAFTERS: 150x45 LVL

AND PROVIDE A +/- RATE FOR VARIATION TO THE ABOVE

ALL NEW TIMBER SHALL BE DATE STAMPED WITH THE YEAR OF INSTALLATION. IN AN EXPOSED YET DISCRETE LOCATION

MEMBER KEY

- TOP FLOOR BOTTOM FLOOR
- CHAIR RAIL GROUNDS
- SKIRTING GROUNDS
- DECAYED TIMBER

ELEMENTS ARE NUMBERED ON PLAN. BOARDS, JOISTS, RAFTERS ETC ARE NUMBERED FROM NORTH TO SOUTH AND FROM WEST TO EAST (AS APPROPRIATE FOR ORIENTATION)

NOTES

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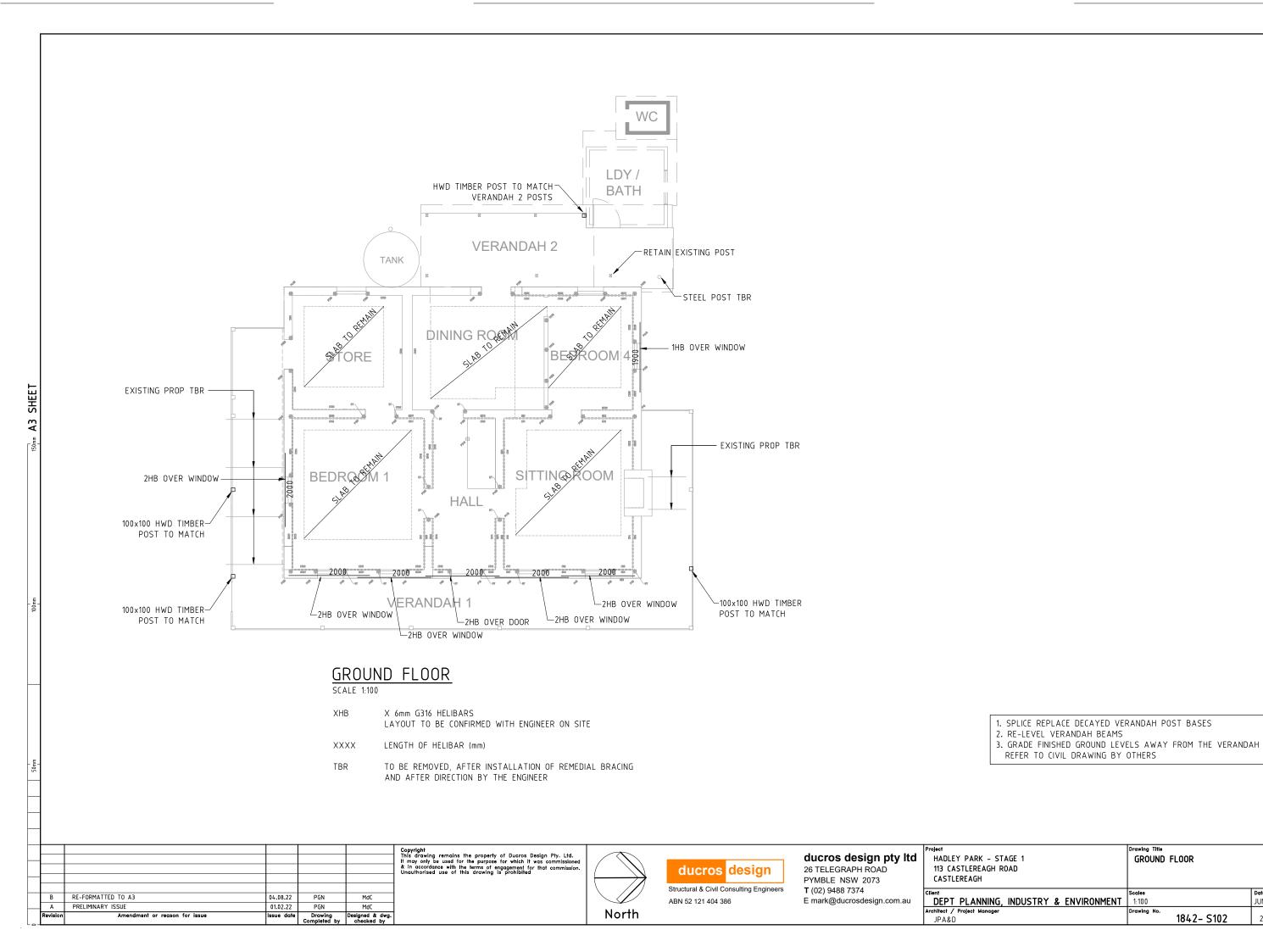
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HADLEY PARK - STAGE 1 113 CASTLEREAGH ROAD CASTLEREAGH

JPA&D

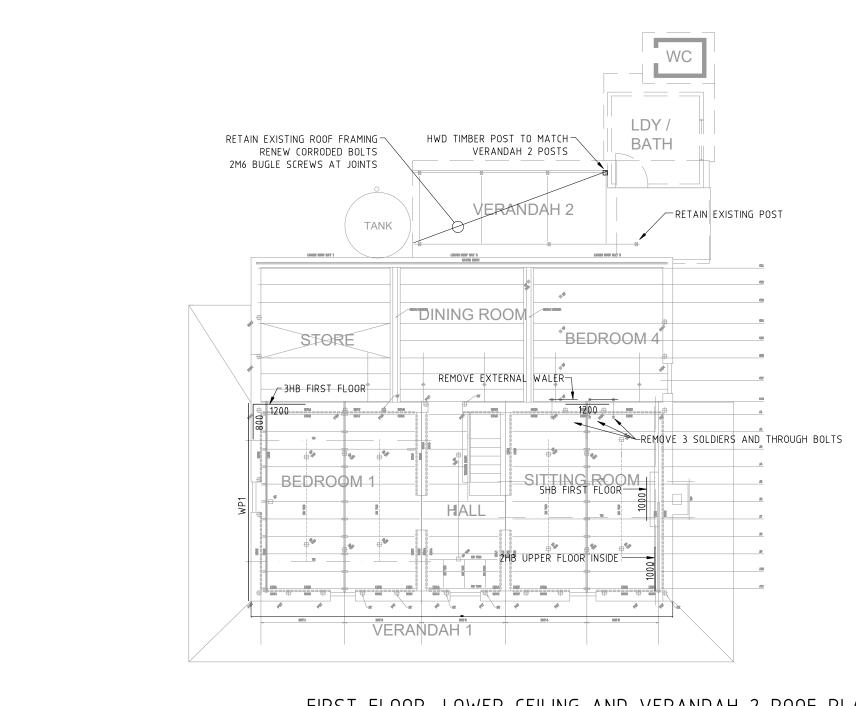
DEPT PLANNING, INDUSTRY & ENVIRONMENT

JUNE 2022 1842- S101 1 OF



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FIRST FLOOR, LOWER CEILING AND VERANDAH 2 ROOF PLAN

SCALE 1:100

XHB X 6mm G316 HELIBARS

LAYOUT TO BE CONFIRMED WITH ENGINEER ON SITE

LENGTH OF HELIBAR (mm) XXXX

TBR TO BE REMOVED, AFTER INSTALLATION OF REMEDIAL BRACING

AND AFTER DIRECTION BY THE ENGINEER

Revision	Amendment or reason for issue	Issue date	Drawing Completed by	Designed & dwg. checked by
Α	PRELIMINARY ISSUE	01.02.22	PGN	MdC
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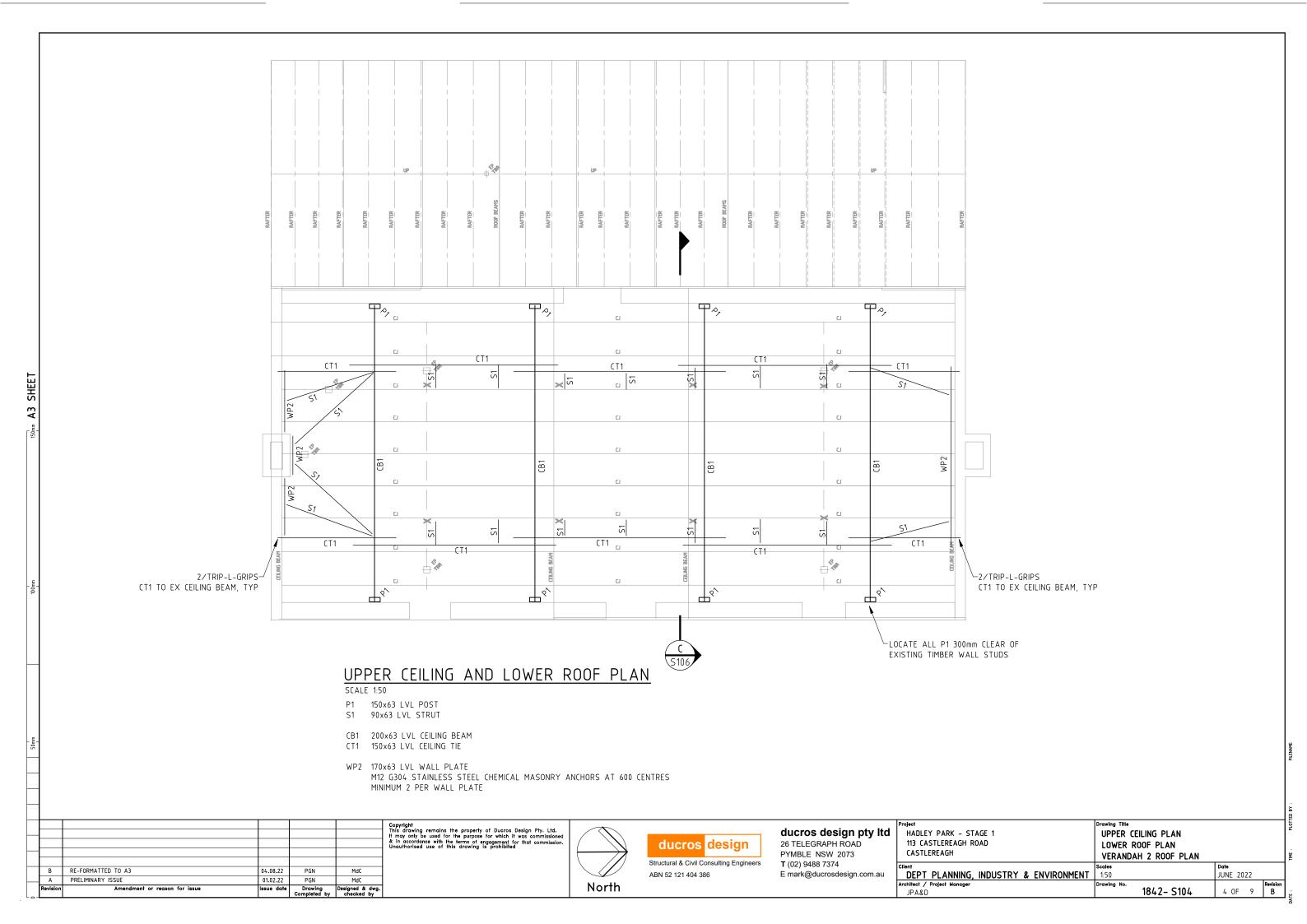


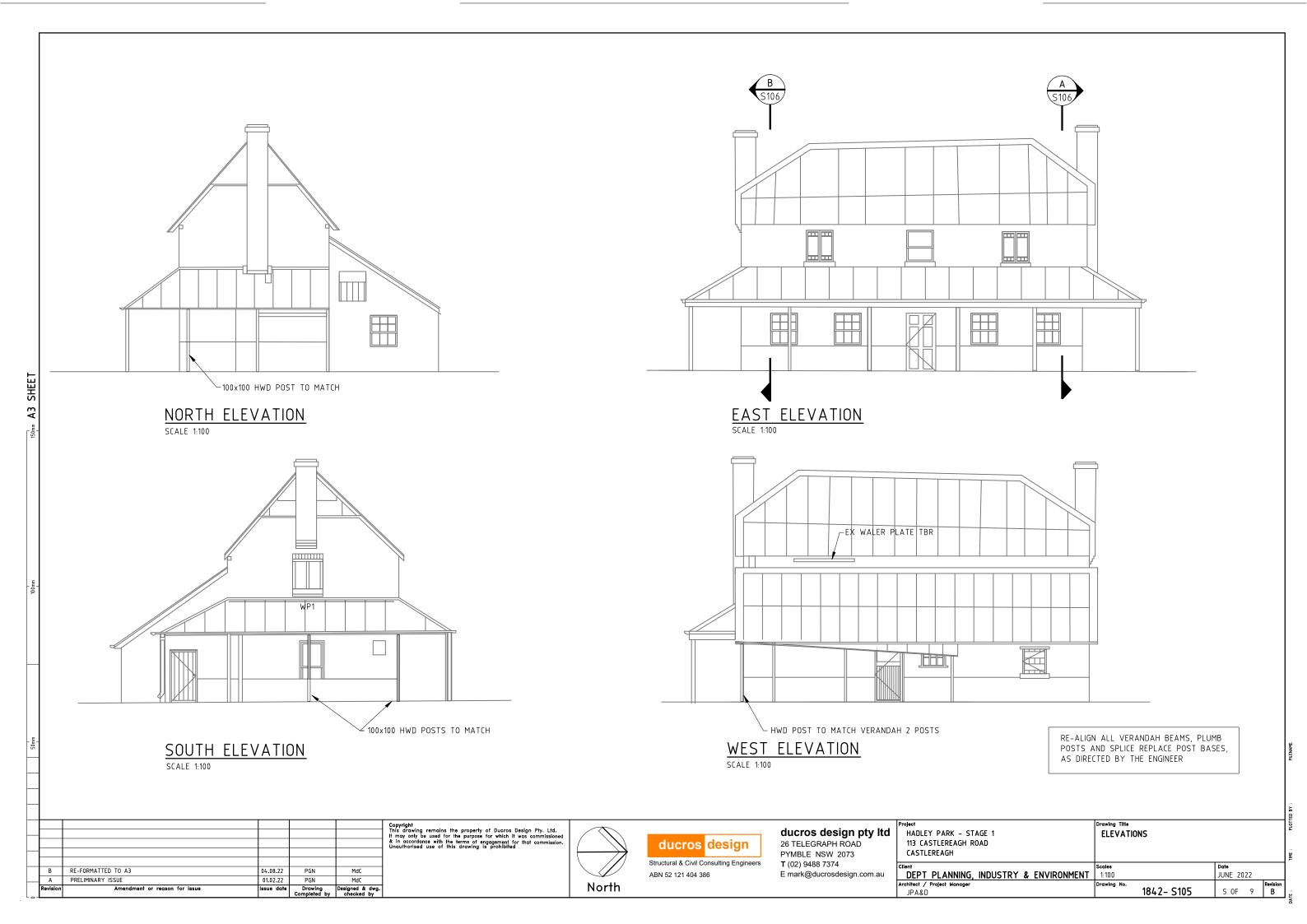
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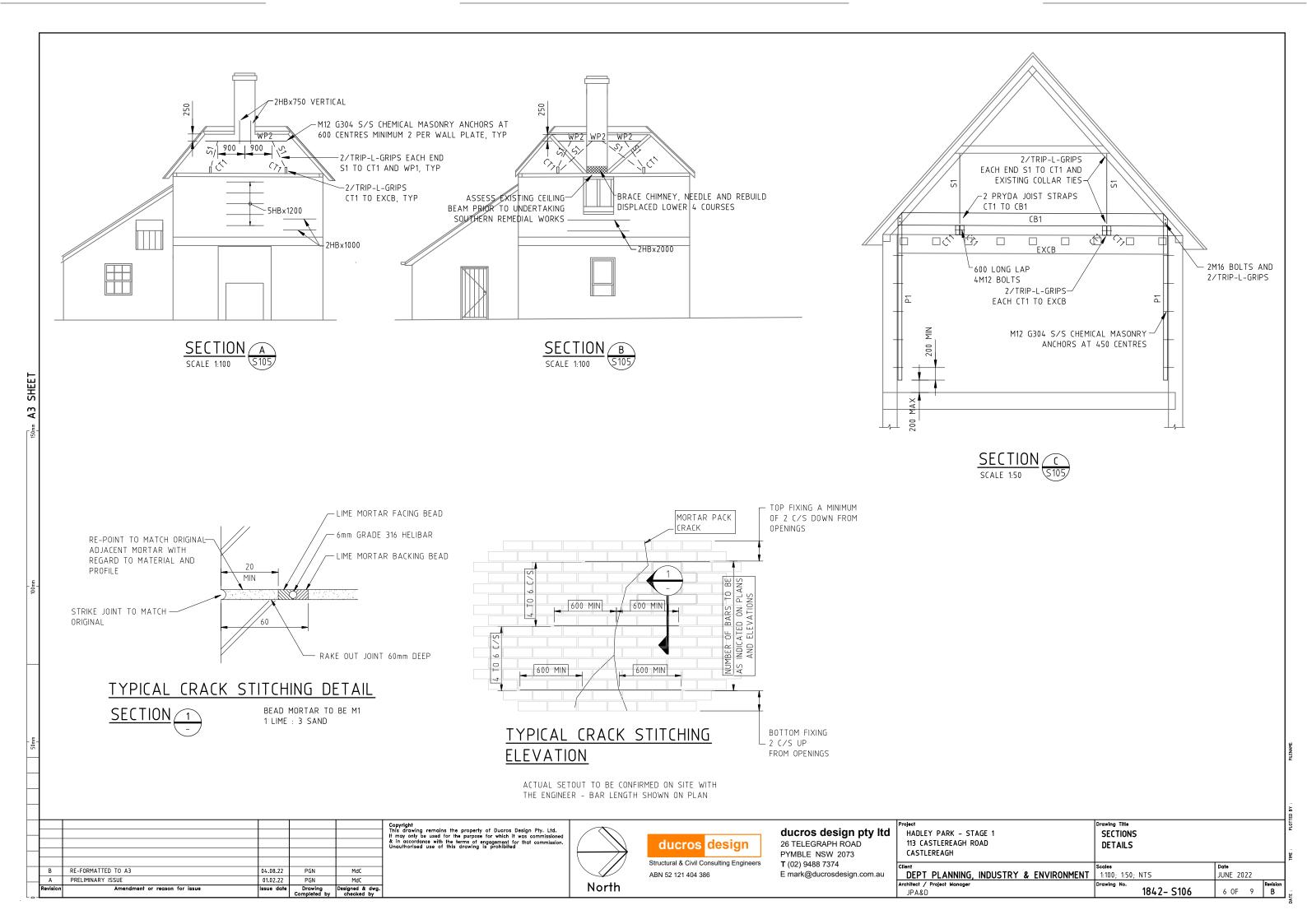
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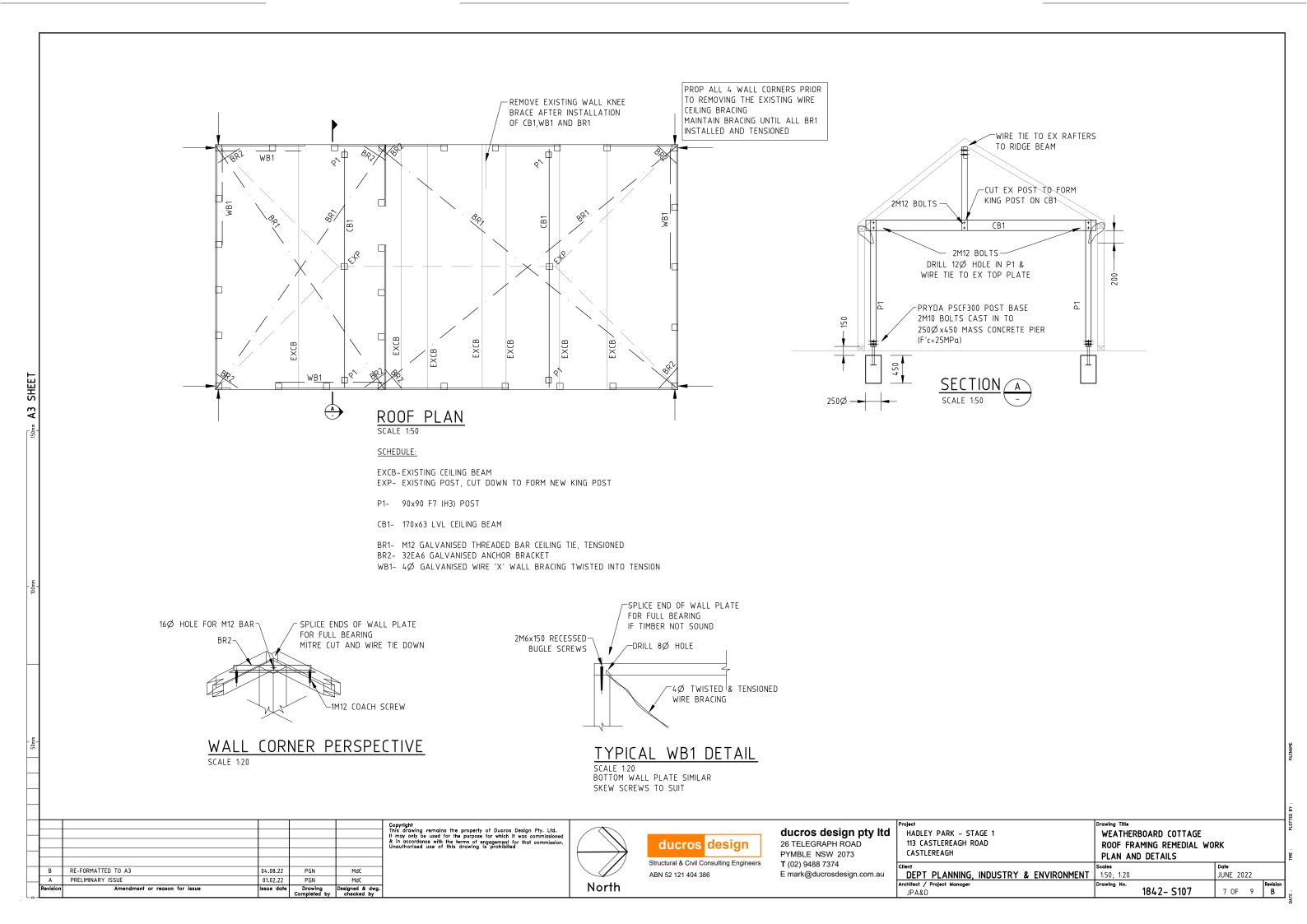
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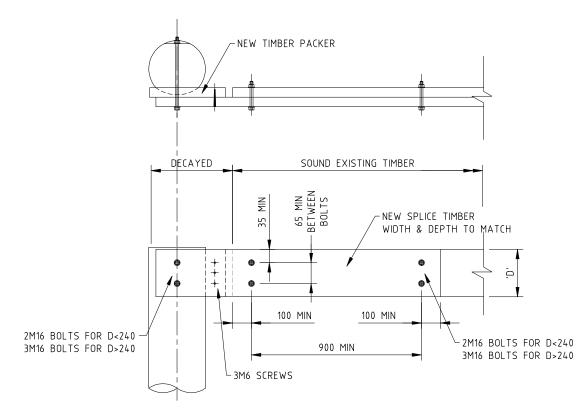
Project	Drawing Title		
HADLEY PARK - STAGE 1	FIRST FLOOR PLAN		
113 CASTLEREAGH ROAD	LOWER CEILING PLAN		
CASTLEREAGH	VERANDAH 2 ROOF PLAN		
Client	Scales	Date	
DEPT PLANNING, INDUSTRY & ENVIRONMENT	1:100	JUNE 2022	
Architect / Project Manager	Drawing No.		Revision
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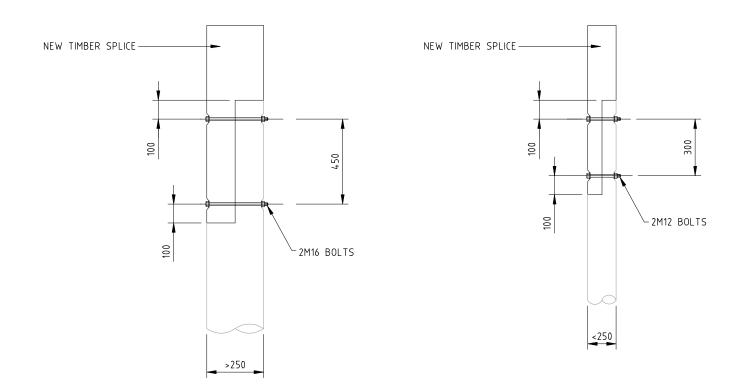




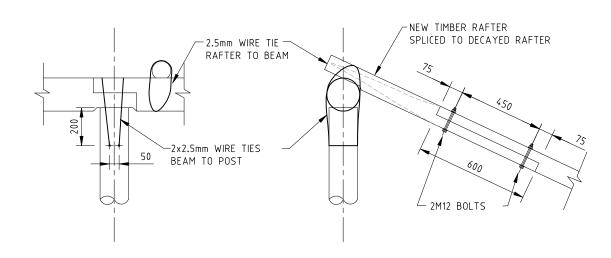




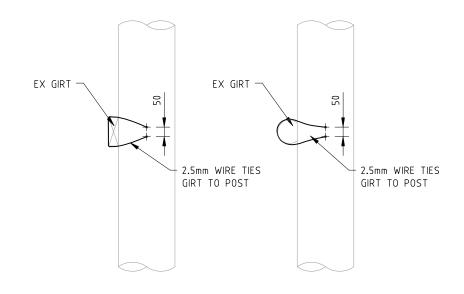
TYPICAL BEAM TO POST CONNECTION DETAIL



TYPICAL POST EXTENSION DETAILS



TYPICAL RAFTER TO BEAM CONNECTION DETAIL



TYPICAL GIRT TO POST DETAILS

NOTES:

- 1. ALL WIRE TIES TO BE Ø 2.5mm Ø 2.5mm GALVANISED, TENSIONED AND TIED OFF
- 2. ALL SCREWS AND BOLTS TO BE GALVANISED
- 3. PSR DENOTES "POLESAVER ROD" OR APPROVED EQUIVALENT, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
- 4. STABILISE DGB20 USING 4% GP CEMENT

	Revision	Amendment or reason for issue	Issue date	Drawing Completed by	Designed & dwg. checked by
_	Α	PRELIMINARY ISSUE	01.02.22	PGN	MdC
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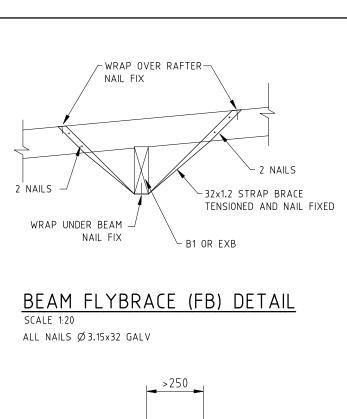


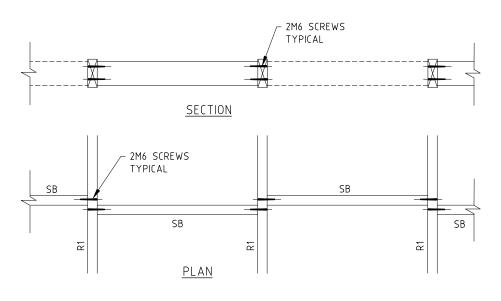
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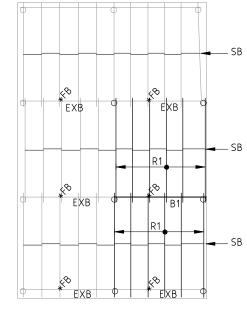
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Project	Drawing Title		
HADLEY PARK - STAGE 1	TIMBER REMEDIAL WORKS		
113 CASTLEREAGH ROAD	SECTIONS AND DETAILS		
CASTLEREAGH	SHEET 1		
Client	Scales	Date	
DEPT PLANNING, INDUSTRY & ENVIRONMENT	1:100; 1:20	JUNE 2022	
Architect / Project Manager	Drawing No.		Revision
JPA&D	1842- S108	8 OF 9	В
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RAFTER SOLID BLOCKING DETAIL
SCALE 1:20



HAY SHED ROOF PLAN

SCHEDULE:

EXB- EXISTING ROOF BEAM

B1- 250x75 F14 [ROOF BEAM]

R1- 150x50 F14 AT 900 CENTRES (TO MATCH) [RAFTERS]

SB- 125x50 F11 [SOLID BLOCKING]

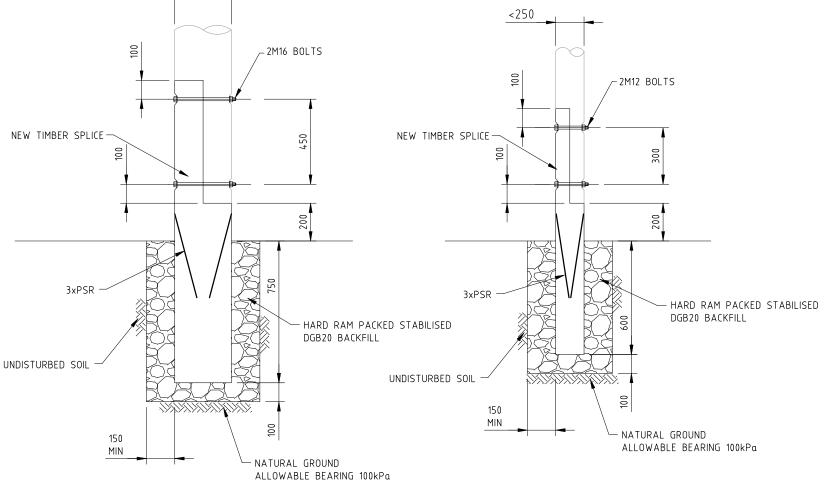
FB- 32x1.2 PRYDA STRAP BRACE, TENSIONED [FLY BRACING]

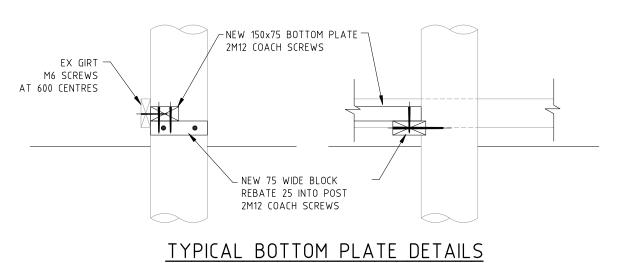
REPLACE BADLY DAMAGED RAFTERS AND ROOF BEAMS WITH R1 AND B1, AS DIRECTED BY THE SUPERINTENDENT

BATTENS- 50x75 (OR TO MATCH), SCREW FIXED TO THE RAFTERS AS PER AS168.

SKEW SCREW RAFTERS TO BEAMS AND WORE TIE, AS DETAILED BOLT ROOF BEAMS TO POSTS AS DETAILED

ALL EXISTING BATTENS, RAFTERS, BEAMS AND POSTS TO BE INSPECTED AND APPROVED FOR RE-USE BY THE ENGINEER





TYPICAL POST BASE SPLICE DETAILS SCALE 1:20

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ct	Drawing Title		
ADLEY PARK - STAGE 1	TIMBER REMEDIAL WORKS		
13 CASTLEREAGH ROAD	SECTIONS AND DETAILS		
ASTLEREAGH	SHEET 2		
1	Scales	Date	
EPT PLANNING, INDUSTRY & ENVIRONMENT	1:200; 1:20	JUNE 2022	
tect / Project Manager	Drawing No.		Revision
PA&D	1842- S109	9 OF 9	В