

PROPOSED PATIO STRUCTURE, 1131 / 1126 GREAT NORTHERN HIGHWAY, BASKERVILLE, W.A.

GENERAL

- STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION AND ANY OTHER ENGINEERING SERVICE DOCUMENTS.
- FOR SETTING OUT DIMENSIONS, REFER TO DRAWINGS, NO DIMENSIONS ARE TO BE OBTAINED FROM SCALING DRAWINGS. CONFIRM ALL EXISTING MEASUREMENT ON SITE.
- UNLESS NOTED OTHERWISE, ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
- THE BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING THE STABILITY OF THE STRUCTURE UNTIL ITS COMPLETION AND SHALL ENSURE THAT NO PART OF THE STRUCTURE IS OVERSTRESSED BY EXCESSIVE LOADING.
- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT CODES OF PRACTICE EXCEPT WHERE VARIED BY THE SPECIFICATION AND / OR DRAWINGS.
- ALL DISCREPANCIES SHALL BE REFERRED TO THE INSURER FOR DECISIONS BEFORE PROCEEDING WITH THE WORK.
- ABBREVIATIONS:
 - N.T.S. - NOT TO SCALE
 - U.N.O. - UNLESS NOTED OTHERWISE
 - H.D.G - HOT DIPPED GALVANISED
 - TYP. - TYPICAL
- THE BUILDER IS REQUIRED TO NOTIFY THE INSURER AT EACH INSPECTION STAGE.

STEELWORK

- ALL STEELWORK SHALL COMPLY WITH AS4100.
- ALL STRUCTURAL STEELWORK SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
 - HOLLOW SECTIONS: GRADE 350MPa (C350 LO) OR EQUIVALENT COMPLYING WITH AS/NZS3679.2:2010.
 - PLATE: GRADE 250MPa MINIMUM.
- ALL DIMENSIONS AND LEVELS AFFECTING STEELWORK SHALL BE CHECKED ON SITE AND INCORPORATED IN THE FABRICATION DRAWINGS.
- STEELWORK FABRICATION DRAWINGS TO BE CHECKED AND APPROVED BY ENGINEER PRIOR TO FABRICATION.
- STEELWORK TREATMENT; MINIMUM CLASS 2.5 BLAST FINISH, 50 MICRONS OF RED OXIDE ZINC PHOSPHATE PRIMER, PLUS 2 TOP COATS OF AN APPROVED EXTERIOR GRADE PAINT.
- ALL WELDS NOMINATED ON DRAWINGS.
- ALL SITE WELDED CONNECTIONS TO BE CLEANED AND COATED WITH 2 COATS OF A ZINC RICH PRIMER IMMEDIATELY AFTER WELD.

MASONRY / BRICKWORK

- ALL MASONRY SHALL COMPLY WITH AS3700.
- MASONRY IS TO HAVE A MINIMUM CHARACTERISTIC UNFINED COMPRESSIVE STRENGTH OF 12MPa. NEW BRICKS TO BE 'MAXI' or SIMILAR APPROVED.
- UNLESS NOTED OTHERWISE THE PROPORTIONS BY VOLUME OF MORTAR CLASS SHALL BE 1 : 1 : 6 OF CEMENT: LIME: SAND. NO PLASTICISERS SHALL BE USED IN THE MIX.
- ALL MASONRY TIES TO BE MEDIUM DUTY H.D.G. WITH MINIMUM 50mm EMBEDMENT.
- CAVITY WALLS TO BE BONDED AND TIED AT 600 x 600 CENTRES MAXIMUM.
- NO PENETRATIONS, NOTCHING OR CHASING OF MASONRY IS PERMITTED WITHOUT APPROVAL FROM THE ENGINEER.

TIMBER - GENERAL

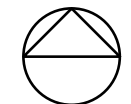
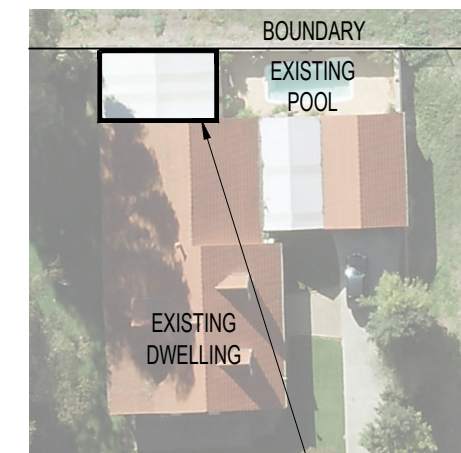
- ALL STRUCTURAL TIMBER AND WORKMANSHIP INCLUDING CONNECTIONS AND TIEDOWNS (SEE NOTE 4) SHALL BE IN ACCORDANCE WITH THE DRAWINGS, AS1720.1 AND AS1684.4 AND ALL CODES REFERRED TO THEREIN. NEW ROOF CONSTRUCTION TO BE COUPLED AS DEFINED IN AS1684.4.
- STRESS GRADE OF MEMBERS AS SHOWN ON THE DRAWINGS.
- TIMBER PRESERVATIVE TREATMENT SHALL BE APPLIED IN ACCORDANCE WITH AS1604. ALL INTERNAL MEMBERS MINIMUM H2, ALL EXTERNAL GLULAMS, MGP AND LVL MEMBERS TO HAVE A PRESERVATIVE TREATED TO HAZARD LEVEL H3. WATER REPELLENT PAINT OR PRESERVATIVE SHALL BE APPLIED TO ALL SIDES AND ENDS OF EXTERNAL TIMBERS, PLUS AN ADDITIONAL TOP COAT WITH AN EXTERIOR GRADE PAINT.

SITE DATA

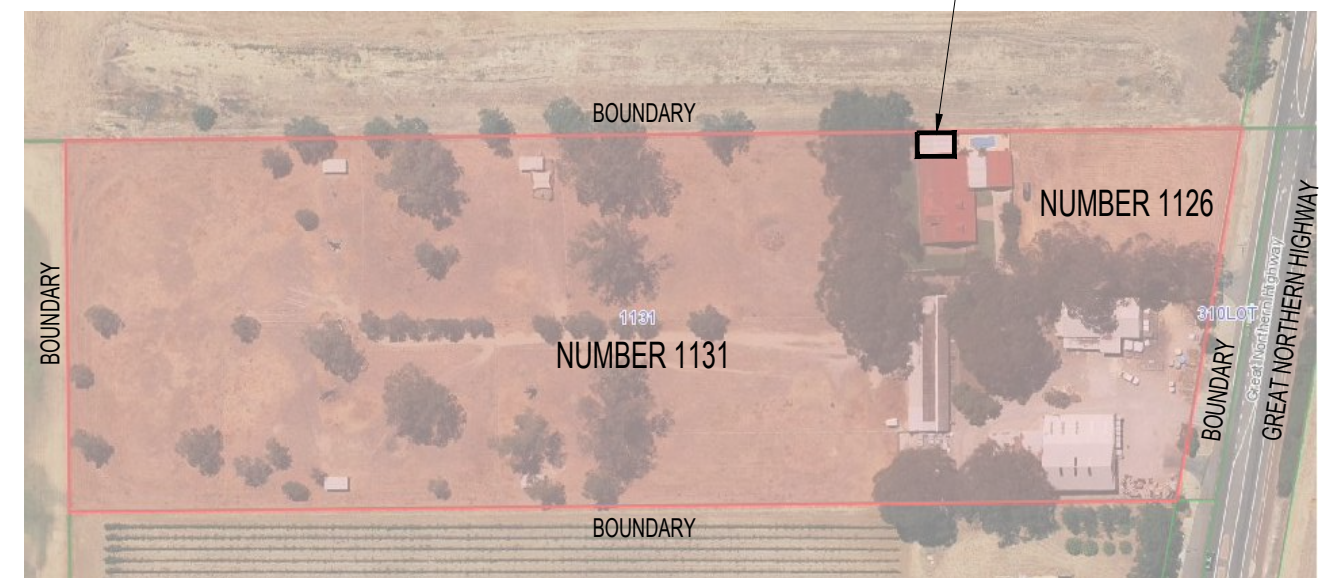
- WIND CLASSIFICATION: REGION A, N1 (AS4055-2012; T0, TC2.5, NS).

DURABILITY REQUIREMENTS

- EXPOSURE ENVIROMENT: MODERATE. DURABILITY CLASS - R1.
- CONNECTORS AND ACCESSORIES GALVANIZED AFTER MANUFACTURE FROM BARE STEEL SHEET AND COMPLYING WITH AS/NZS 4680 EXCEPT THAT THE COATING MASS SHALL BE AT LEAST 300g/m^2 ON EACH SIDE.




EXISTING IMPACT DAMAGED PATIO STRUCTURE TO BE REPLACED TO MATCH EXISTING AS CLOSE AS POSSIBLE.



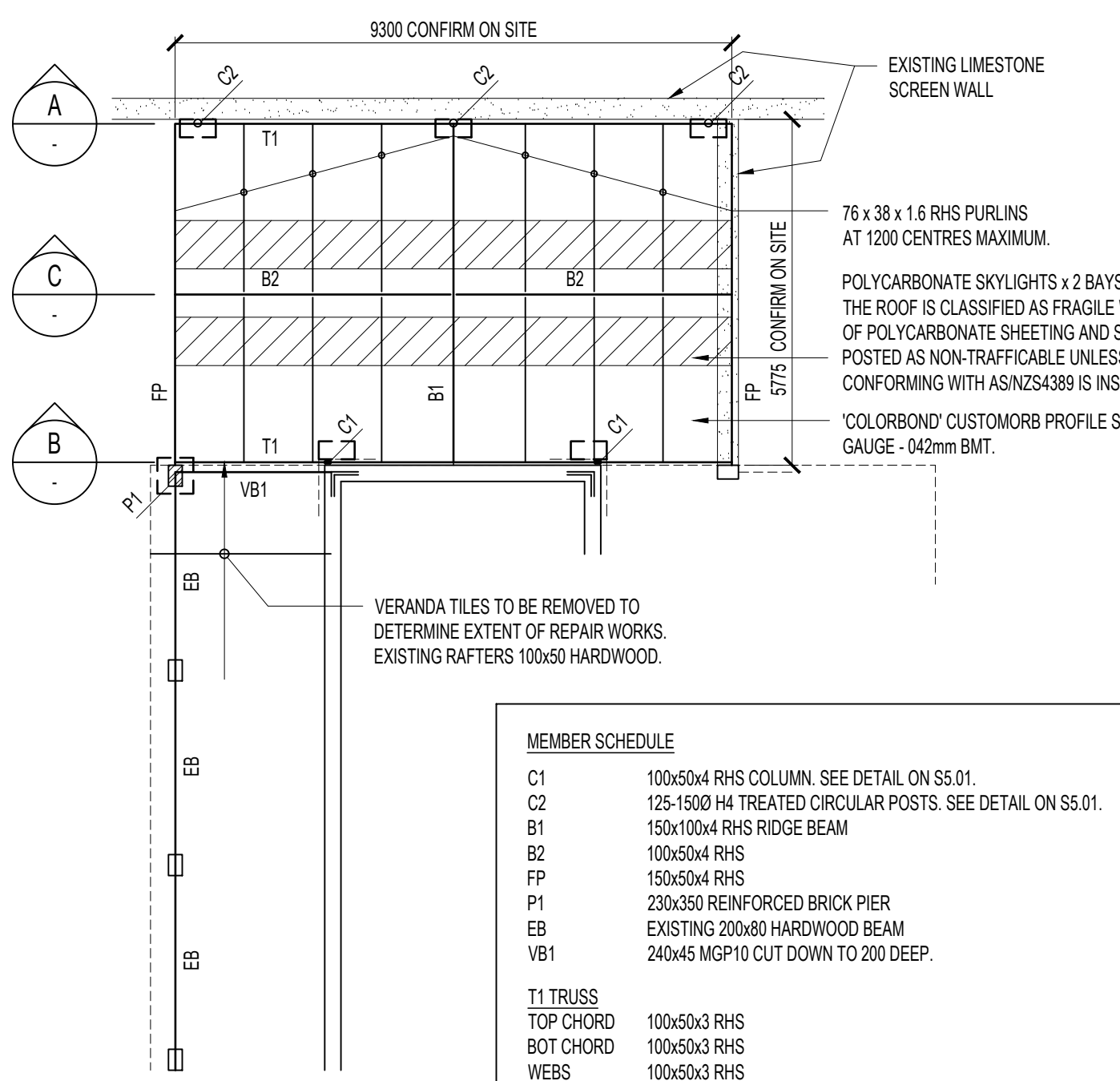
SITE PLAN

DEPARTMENT OF PLANNING, LANDS AND HERITAGE	
DATE	FILE
18-Nov-2021	21-3679-2

REVISION	DESCRIPTION	ISSUER	DATE
A	ISSUED FOR PRICING / BUILDING PERMIT	J.V.	30/09/2021

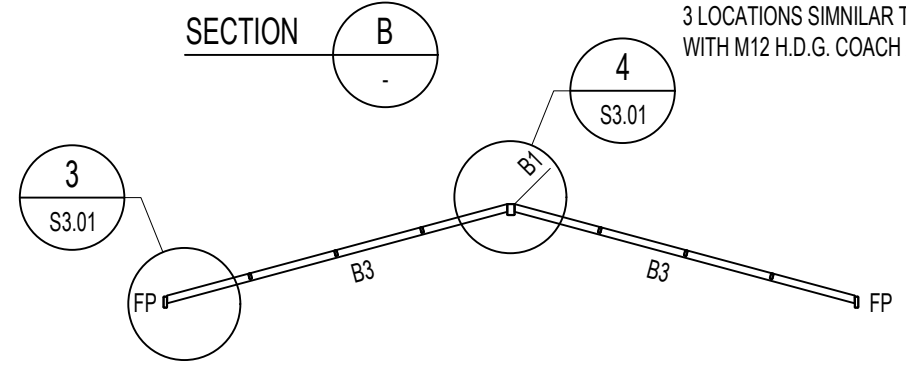
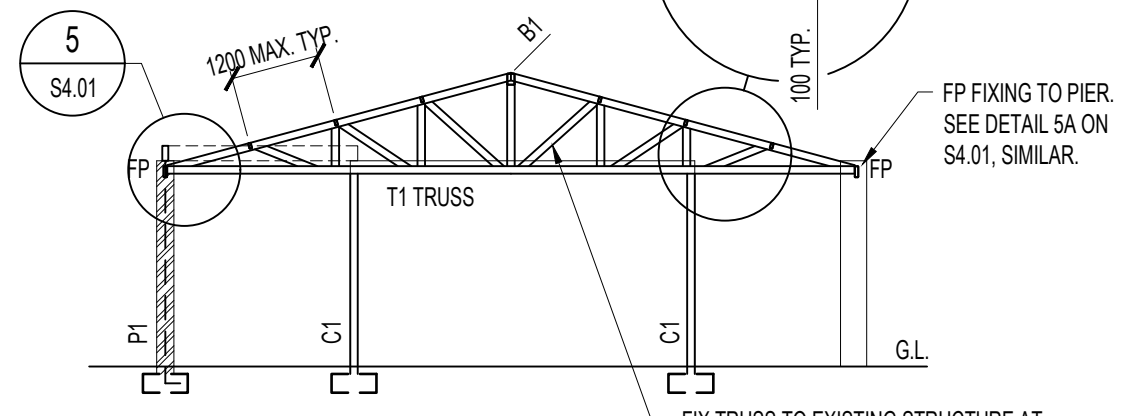
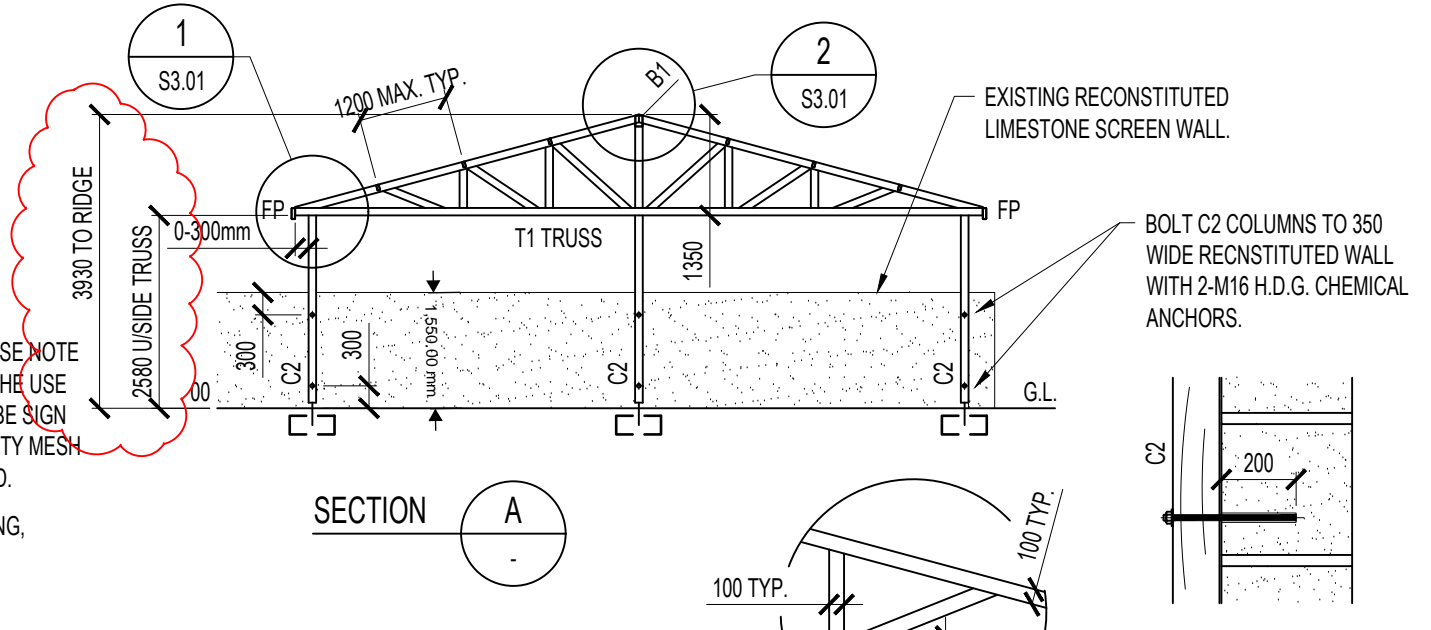

TOTAL STRUCTURAL CONSULTING
 Suite 11 / 300 Albany Highway, Victoria Park WA 6100
 T 08 9444 7174 E admin@totalstructural.net.au W totalstructural.net.au

CLIENT	WESTERN BUILDING PTY LTD	ADDRESS	1131 / 1126 GREAT NORTHERN HIGHWAY, BASKERVILLE, W.A.		DESIGNER	J.H.
PROJECT	PROPOSED PATIO REPLACEMENT	DRAWING NAME	NOTES	DATE	CHECKER	J.V.
					DRAWN	J.H.
					DATE	SEPTEMBER 2021
					SCALE	A3
					JOB No	T1060
					DRAWING No	S1.01
					REV	A



MEMBER SCHEDULE	
C1	100x50x4 RHS COLUMN. SEE DETAIL ON S5.01.
C2	125-150Ø H4 TREATED CIRCULAR POSTS. SEE DETAIL ON S5.01.
B1	150x100x4 RHS RIDGE BEAM
B2	100x50x4 RHS
FP	150x50x4 RHS
P1	230x350 REINFORCED BRICK PIER
EB	EXISTING 200x80 HARDWOOD BEAM
VB1	240x45 MGP10 CUT DOWN TO 200 DEEP.
T1 TRUSS	
TOP CHORD	100x50x3 RHS
BOT CHORD	100x50x3 RHS
WEBS	100x50x3 RHS

PATIO PLAN



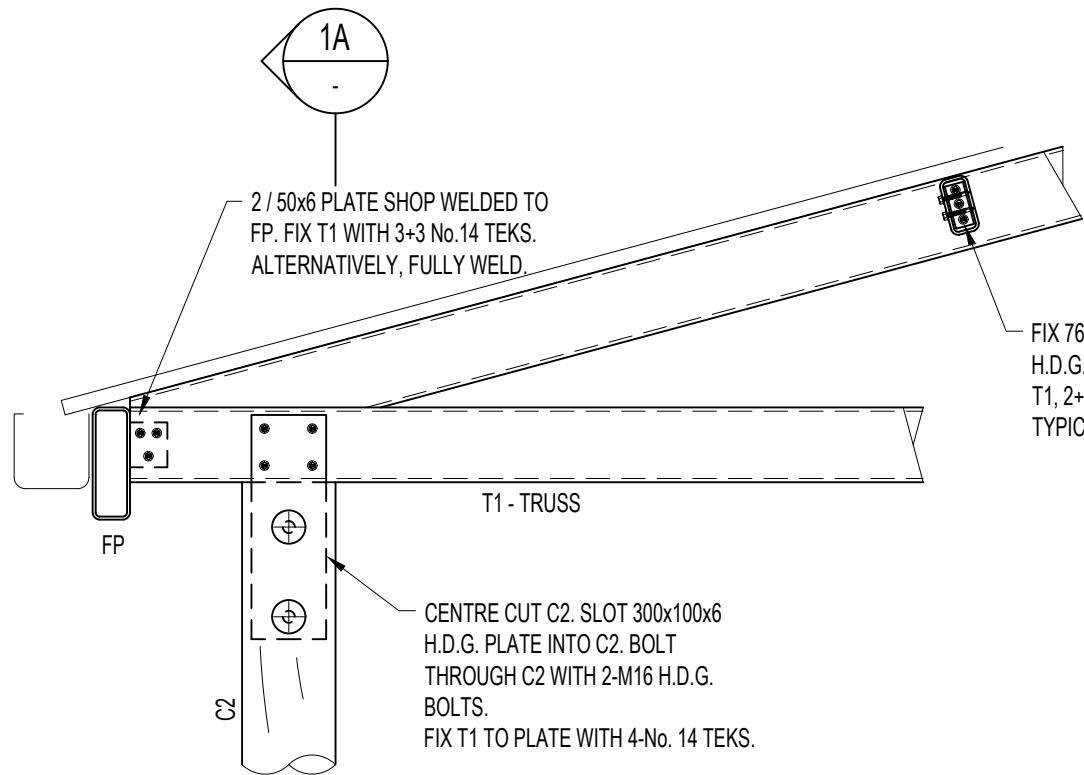
SECTION C

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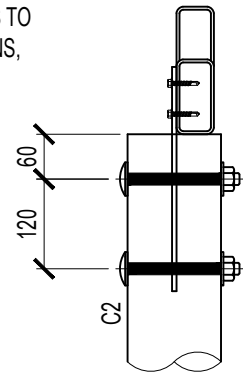
REVISION	DESCRIPTION	ISSUER	DATE
A	ISSUED FOR PRICING / BUILDING PERMIT	J.V.	30/09/2021
B	HEIGHTS ADDED, U-SIDE AND TOP OF TRUSSES	J.V.	15/11/2021

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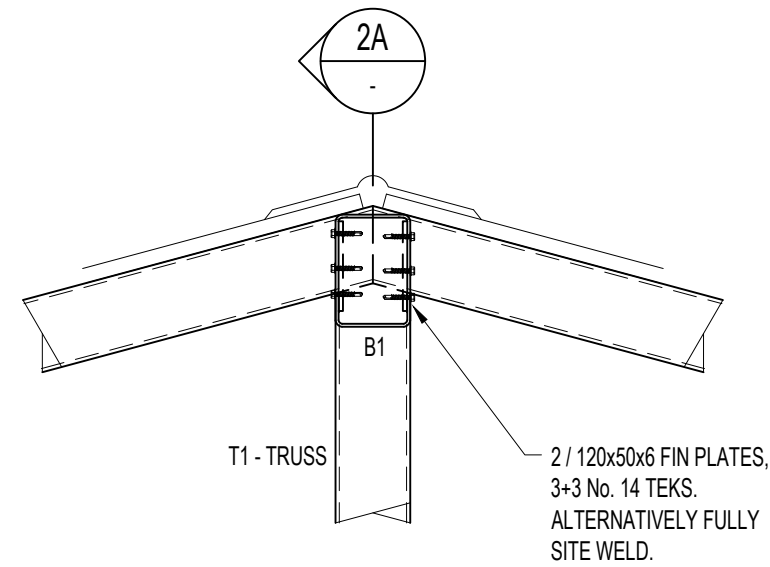
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				DATE	SEPTEMBER 2021
				SCALE	DRAWING SIZE: A3
				JOB No	T1060
				DRAWING No	S2.01
				REV	B



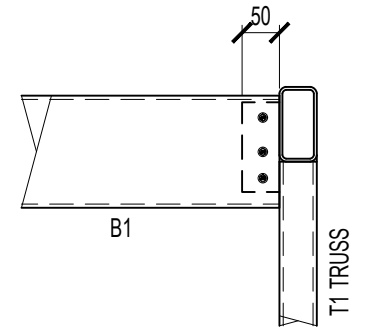
DETAIL 1
S2.01



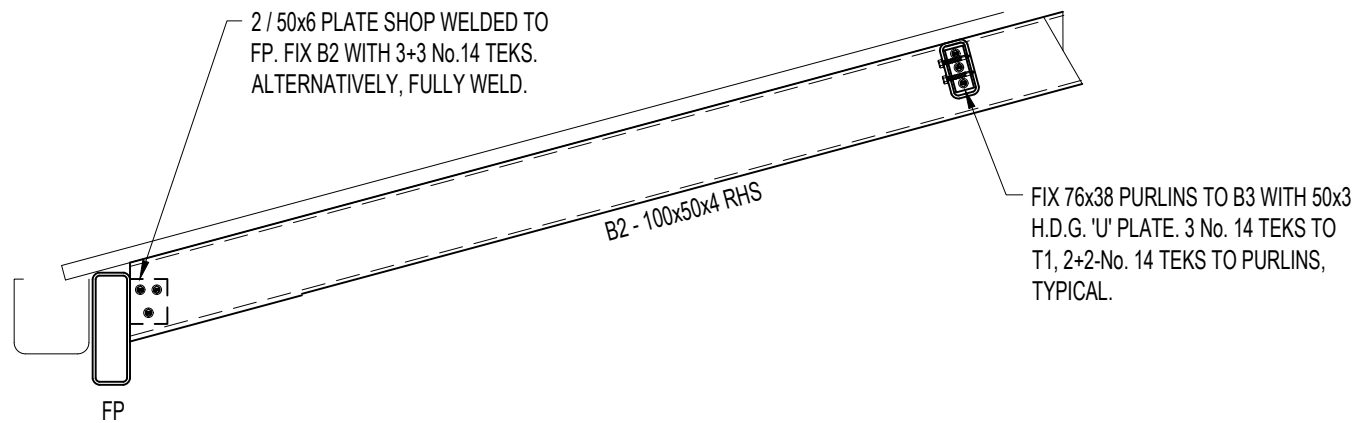
DETAIL 1A
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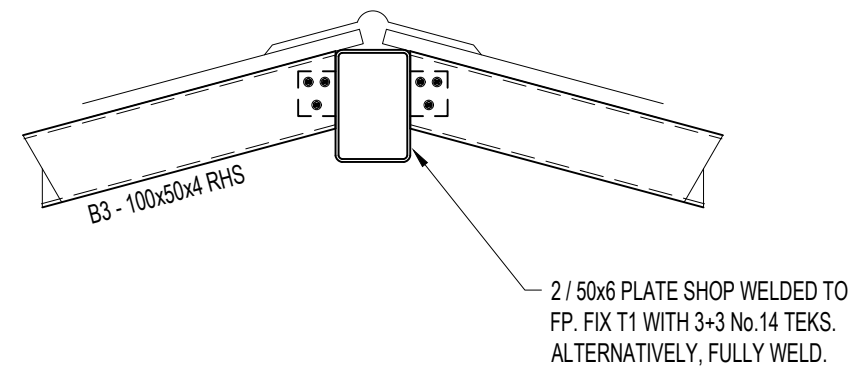
DETAIL 2
S2.01



DETAIL 2A
-




DETAIL 3
S2.01



DETAIL 4
S2.01

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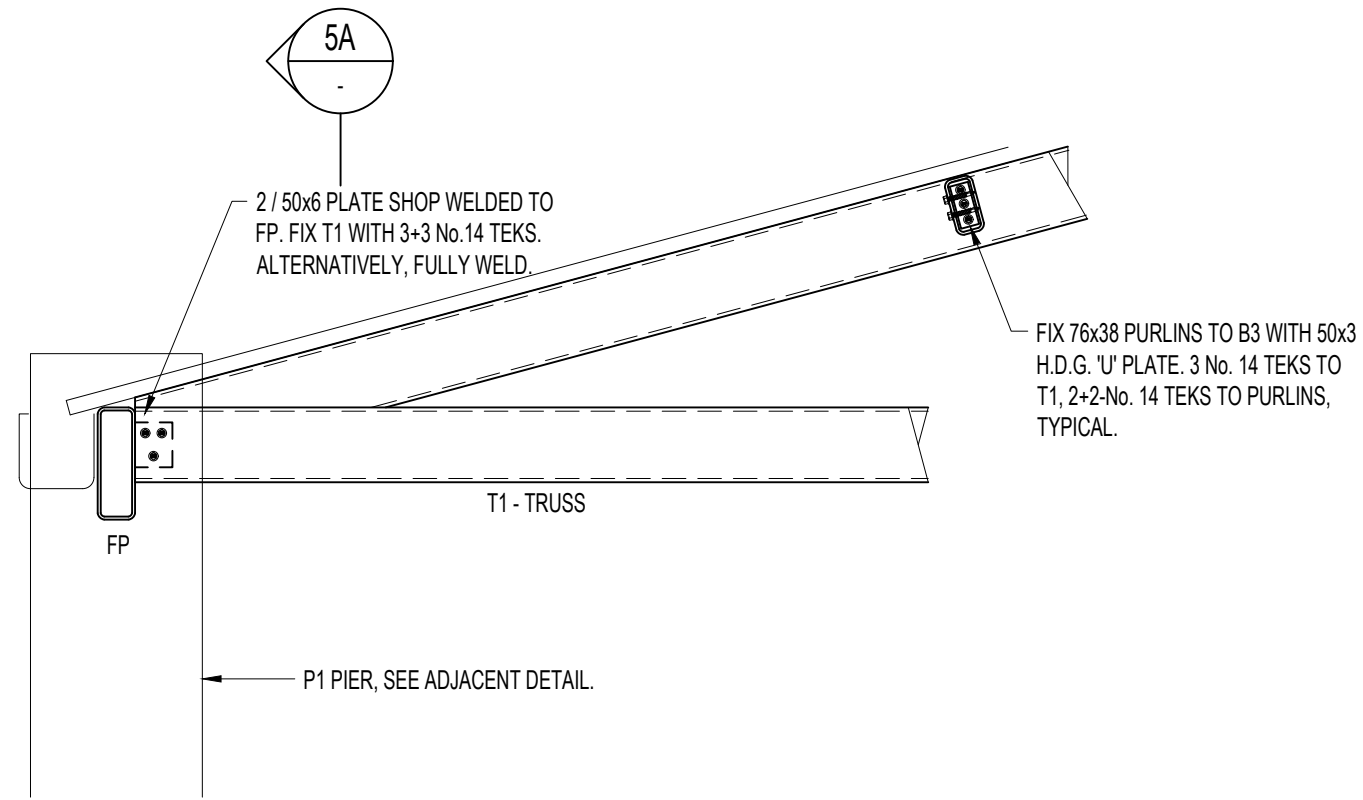
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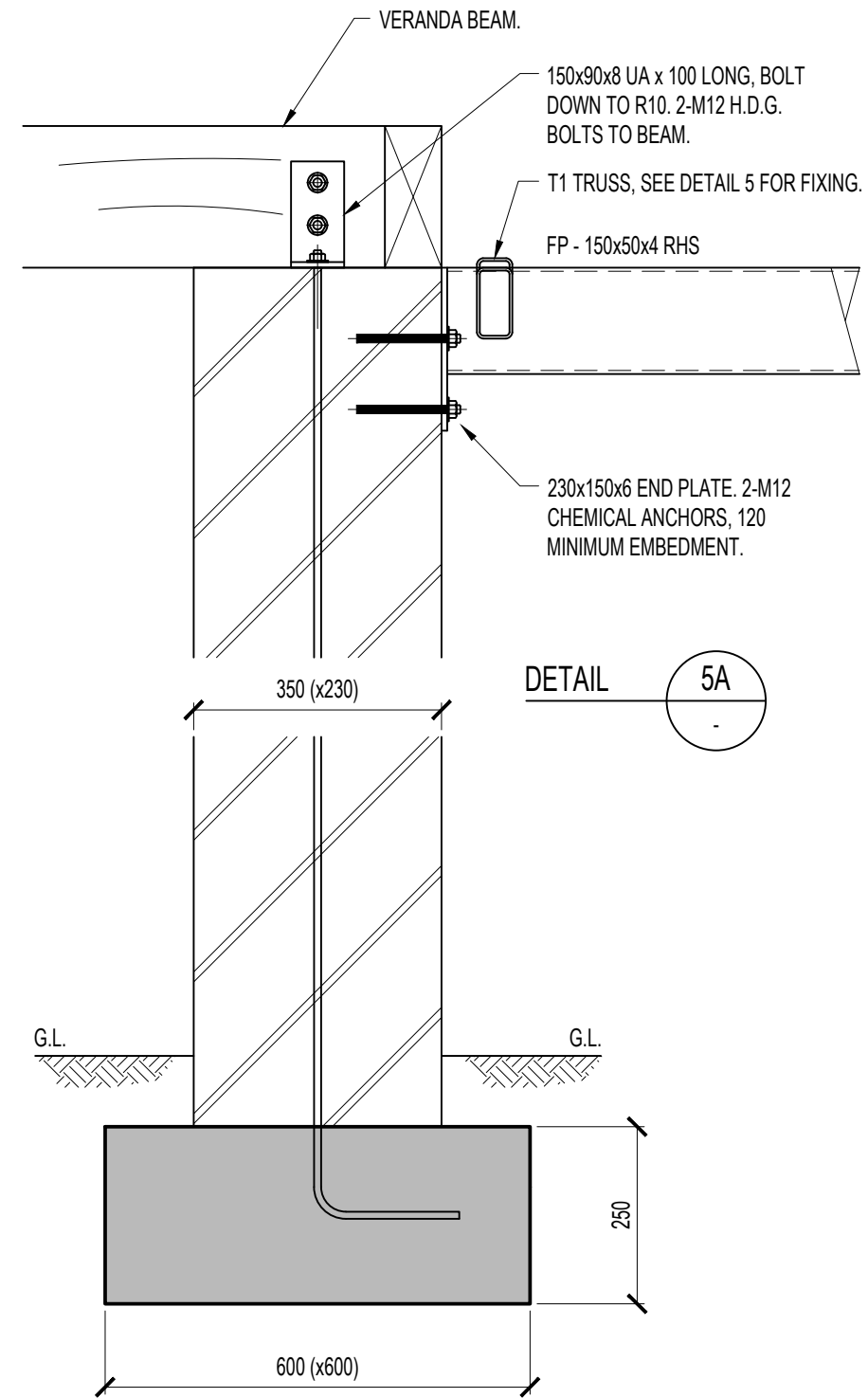
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PROJECT PROPOSED PATIO REPLACEMENT	DRAWING NAME DETAILS

DESIGNER J.H.	DATE SEPTEMBER 2021
CHECKER J.V.	
DRAWN J.H.	DRAWING SIZE A3
JOB No T1060	DRAWING No S3.01

REV A



DETAIL 5
S2.01



DETAIL 5A

P1 - PIER DETAIL

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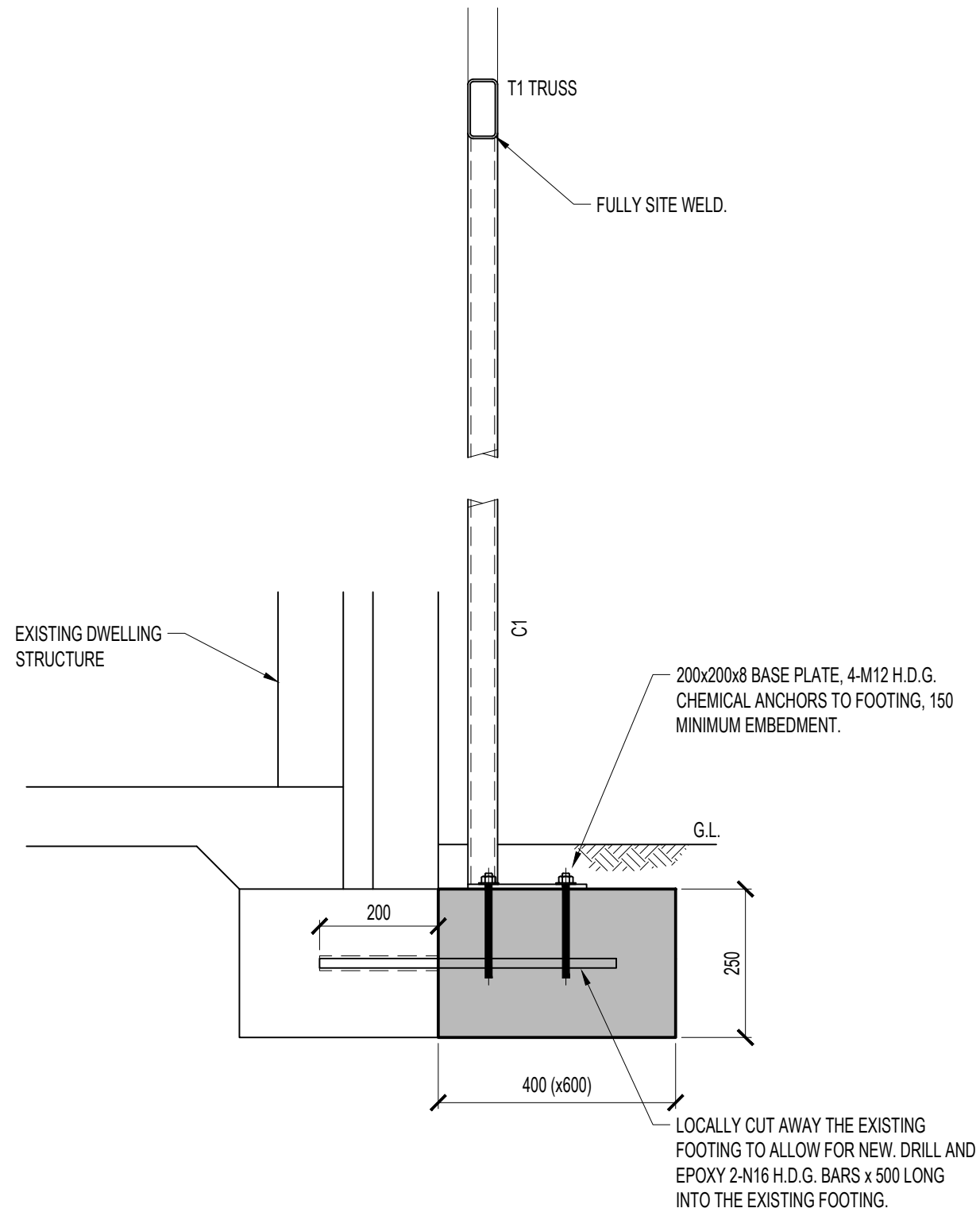
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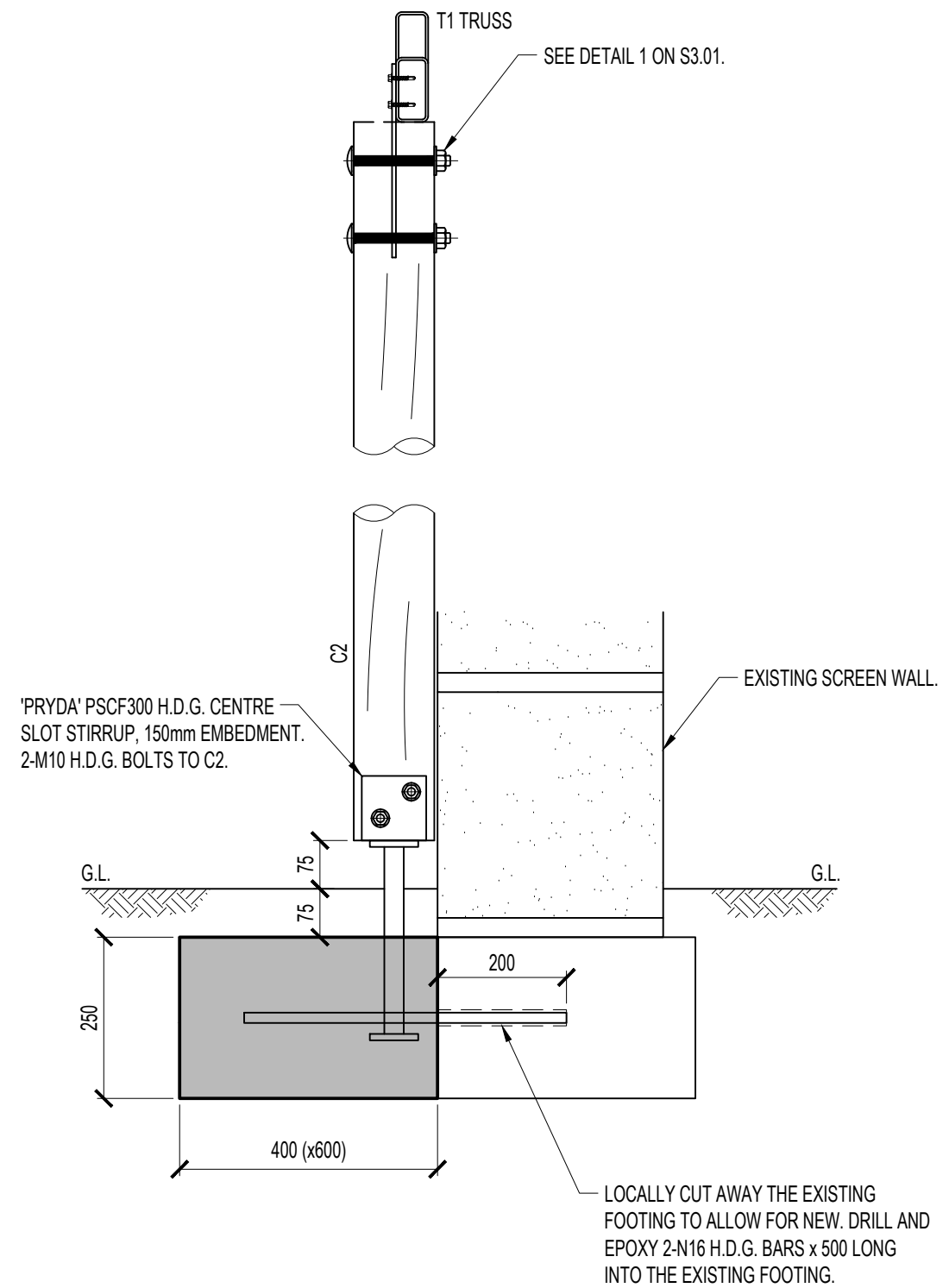
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DRAWN J.H.	DRAWING SIZE A3
JOB No T1060	DRAWING No S4.01

REV A




C1 - COLUMN DETAIL



C2 - POST DETAIL

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JOB No T1060	DRAWING No S5.01
	REV A