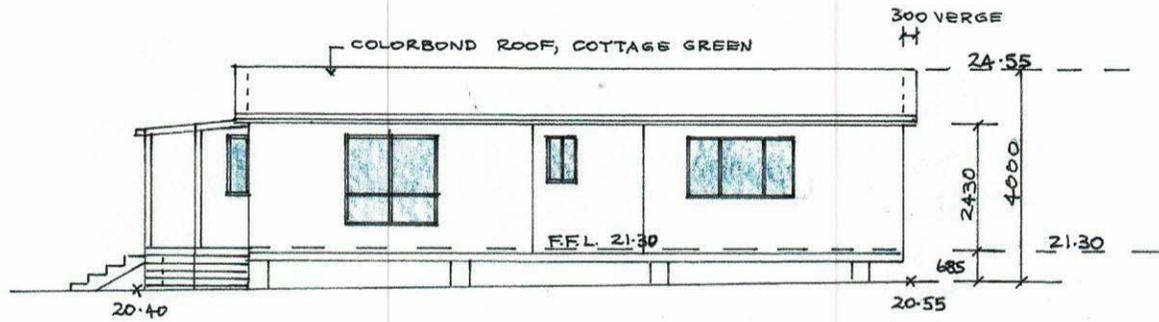
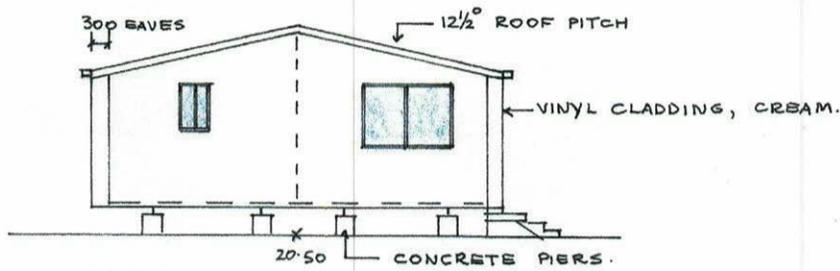


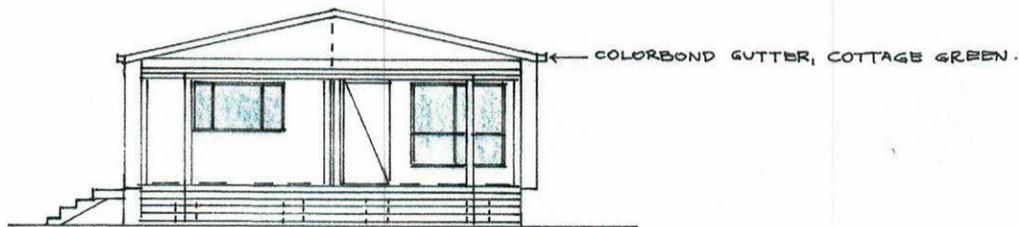
**SOUTH ELEVATION**



**NORTH ELEVATION 1:100**



**WEST ELEVATION**



**EAST ELEVATION 1:100**

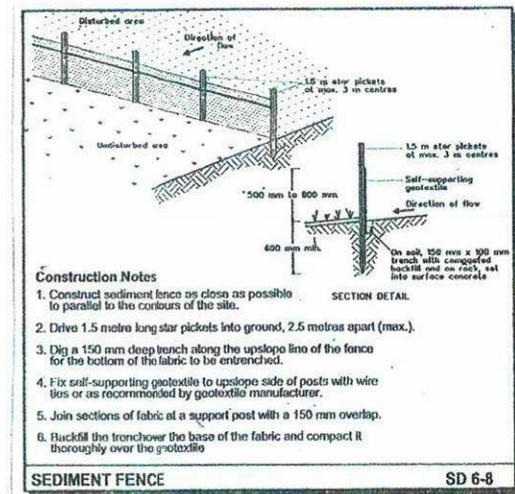
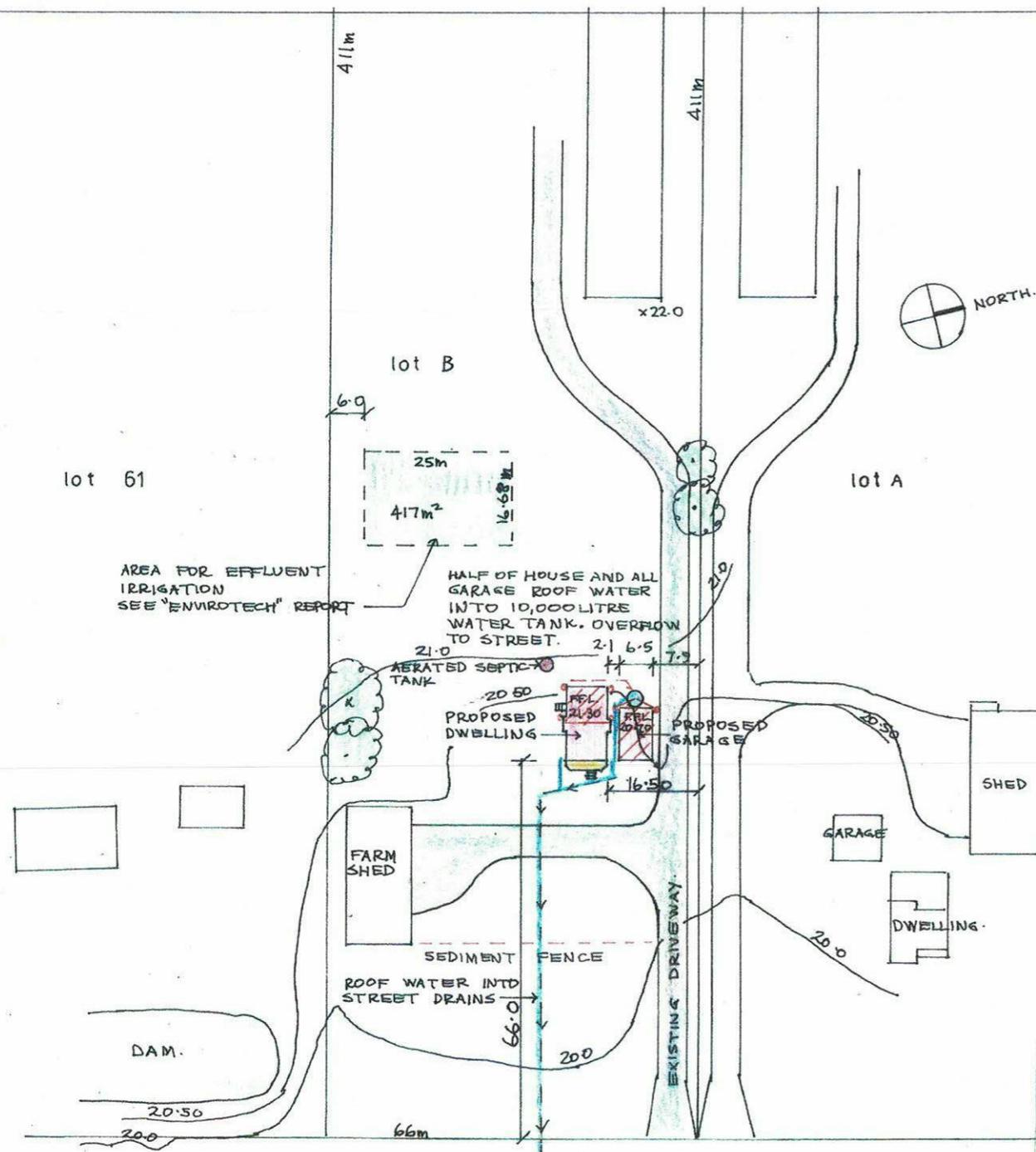
**SHEET 3 OF 3**

**PROPOSED TRANSPORTABLE DWELLING  
AT 426-430 LONDONDERRY ROAD, LONDONDERRY 2753  
FOR Mr M CAMILLERI**

Scales as shown

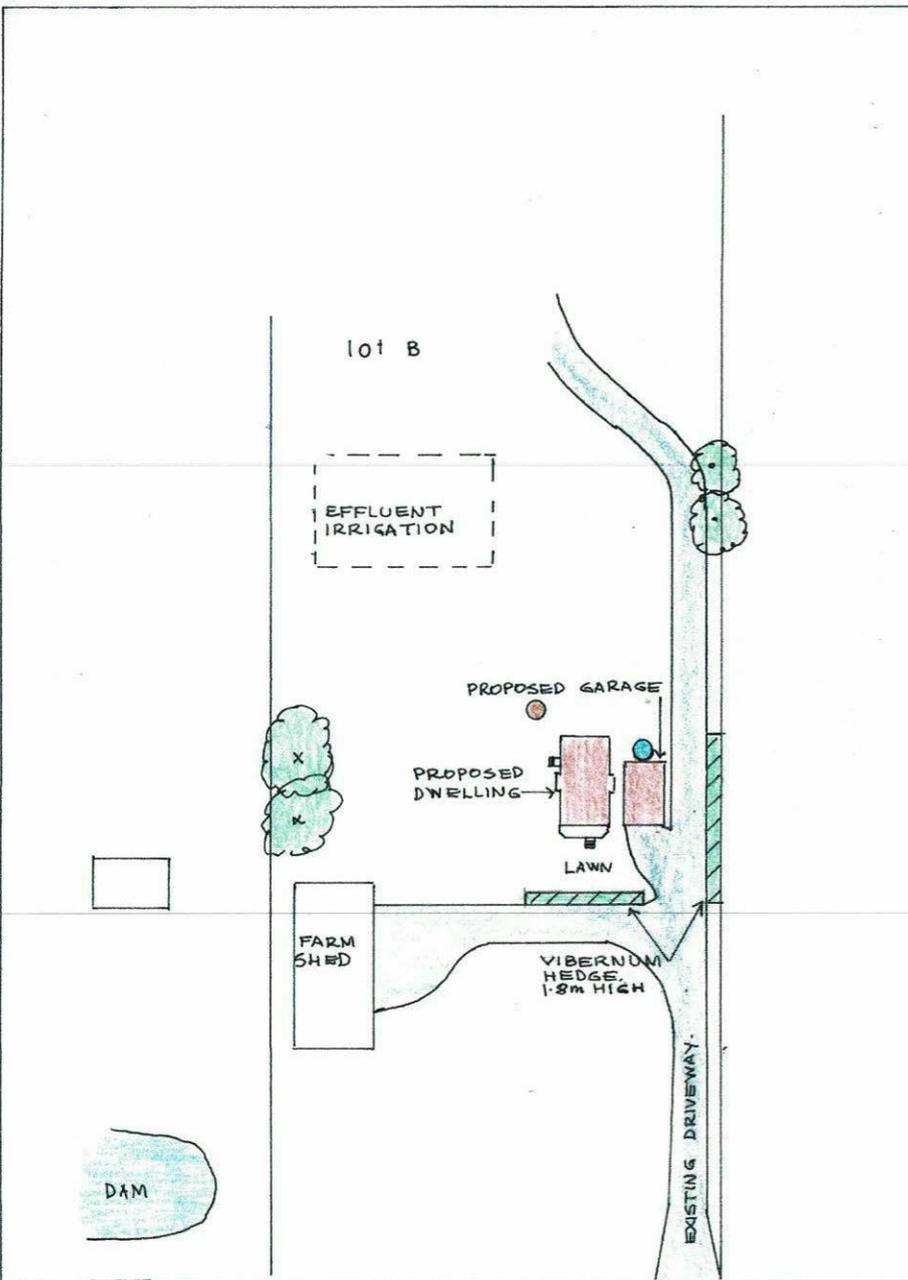
Date 11.10.19

Drawn by A Bonnici 9626-8425



**SITE PLAN 1:750 (A2) PART**  
**LOT B, DP 399693**  
**LAND AREA 2.712 HECTARES**  
**LONDONDERRY ROAD**

**STORMWATER CONCEPT PLAN**  
**PROPOSED TRANSPORTABLE DWELLING AND GARAGE**  
**AT 426-430 LONDONDERRY ROAD, LONDONDERRY 2753**  
**FOR Mr M CAMILLERI**  
 Scales as shown  
 Date 11.10.19  
 Drawn by A Bonnici 9626-8425



**SITE PLAN 1:750 (A3)**  
**LOT B, DP 399693**  
**LAND AREA 2.712 HECTARES**

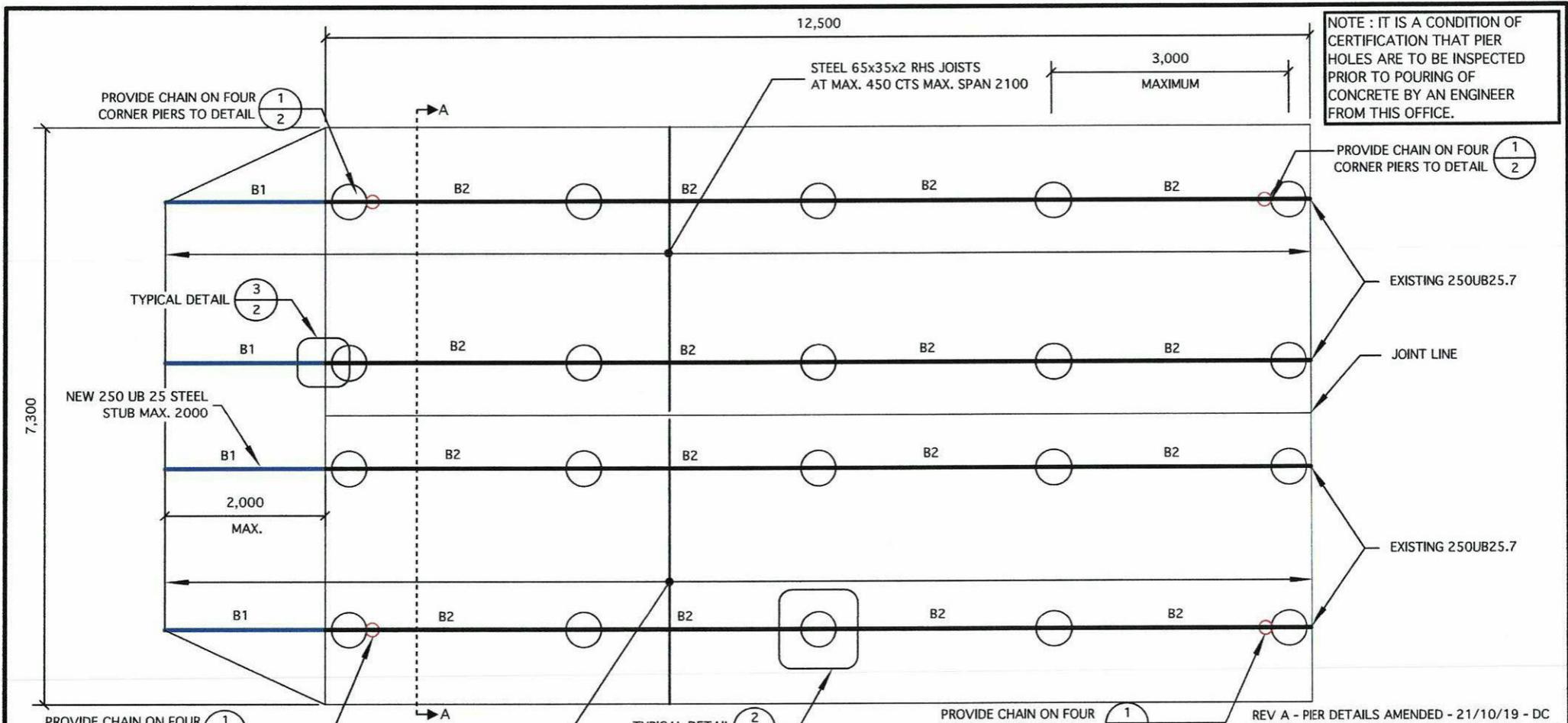


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**LANDSCAPE PLAN**

**PROPOSED TRANSPORTABLE DWELLING**  
**AT 426-430 LONDONDERRY ROAD, LONDONDERRY 2753**  
**FOR Mr M CAMILLERI**

Scales as shown  
 Date 11.10.19  
 Drawn by A Bonnici 9626-8425



NOTE : IT IS A CONDITION OF CERTIFICATION THAT PIER HOLES ARE TO BE INSPECTED PRIOR TO POURING OF CONCRETE BY AN ENGINEER FROM THIS OFFICE.

WIND CLASSIFICATION = N2  
 SITE WIND SPEED = 26 m/s (serviceability)  
 = 40 m/s (ultimate)

**FLOOR PLAN**  
 SCALE 1:50

MEMBER SCHEDULE			
MEMBER	SECTION TYPE	MAX. SPAN	SUPPORTED LOADS
B1	250 UB 25.7 MIN. GRADE 300 (NEW)	2000	VERANDAH, SHEETED ROOF
B2	250 UB 25.7 MIN. GRADE 300 (EXISTING)	3000	FLOOR, STUD/TIMBER WALLS, ROOF

**NOTE:**  
 ALL DIMENSIONS IN MEMBER SCHEDULE ARE MAXIMUM SPANS ONLY, BUILDER SHOULD VERIFY ALL MEMBER LENGTHS TO ARCHITECTURAL PLANS PRIOR TO FABRICATION. IF SCHEDULED LENGTHS ARE LESS THAN PRESCRIBED CUT LENGTHS, BUILDER SHOULD CONTACT ENGINEER PRIOR TO FABRICATION.

**CERTIFICATION.**  
 DESIGNED IN ACCORDANCE WITH A.S.4100 AND RELEVANT AUST CODES  
 D. TURNER B.E.(MIEA)

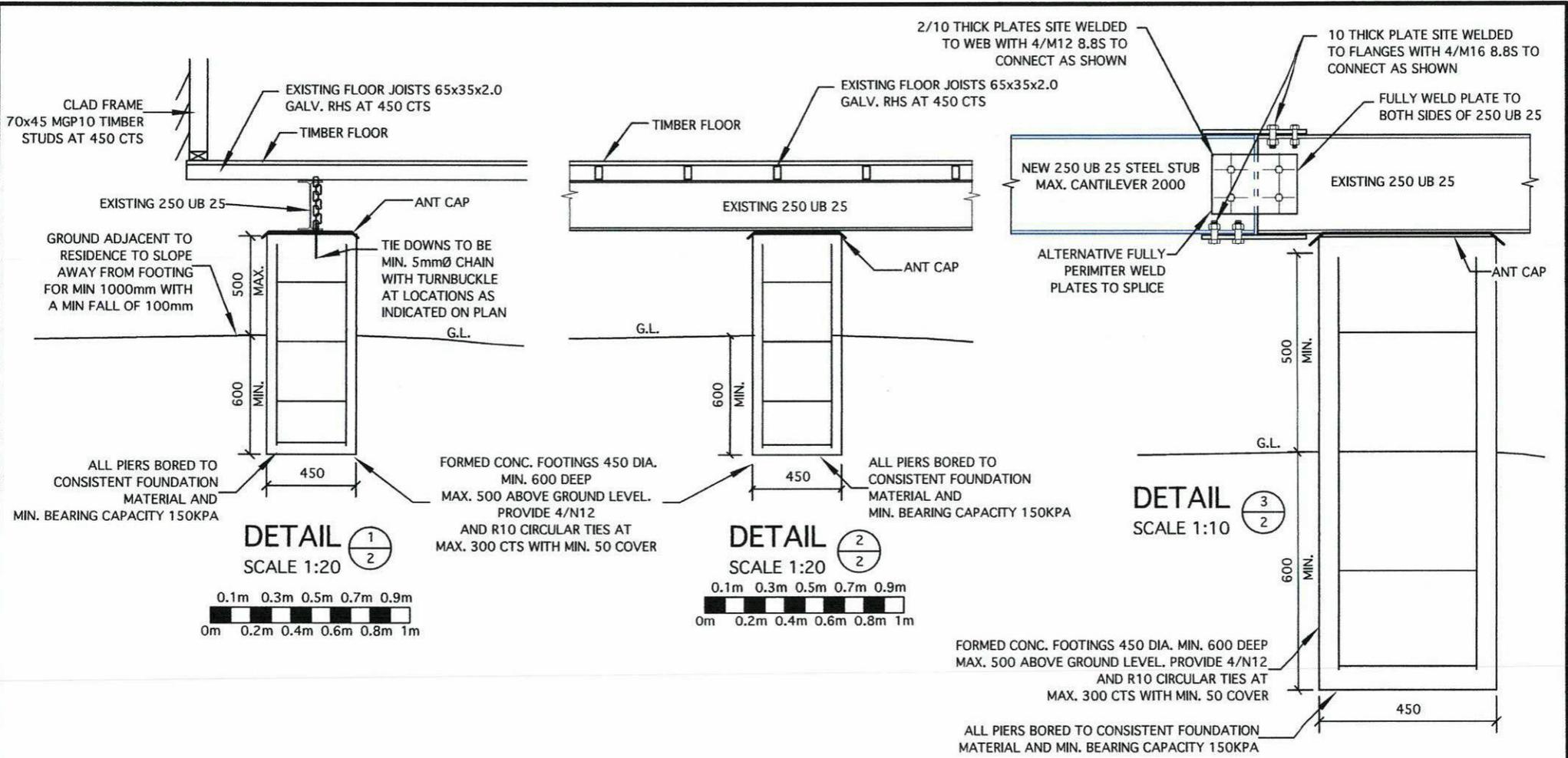


**D & M CONSULTING PTY LTD**  
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 PH (02) 4647 4014  
 engineer@dmceng.com.au

PROJECT:- PROPOSED TRANSPORTABLE DWELLING  
 CLIENT:- MARTIN CAMILLERI  
 ADDRESS:- 426 - 430 LONDONDERRY RD LONDONDERRY

DRAWN DC  
 CHECKED DLT  
 DATE 10/10/19  
 SCALE AS SHOWN  
 SHEET 1 OF 4

**DWG No**  
**190792 A**



REV A - PIER DETAILS AMENDED - 21/10/19 - DC

NOTE : IT IS A CONDITION OF CERTIFICATION THAT PIER HOLES ARE TO BE INSPECTED PRIOR TO POURING OF CONCRETE BY AN ENGINEER FROM THIS OFFICE.

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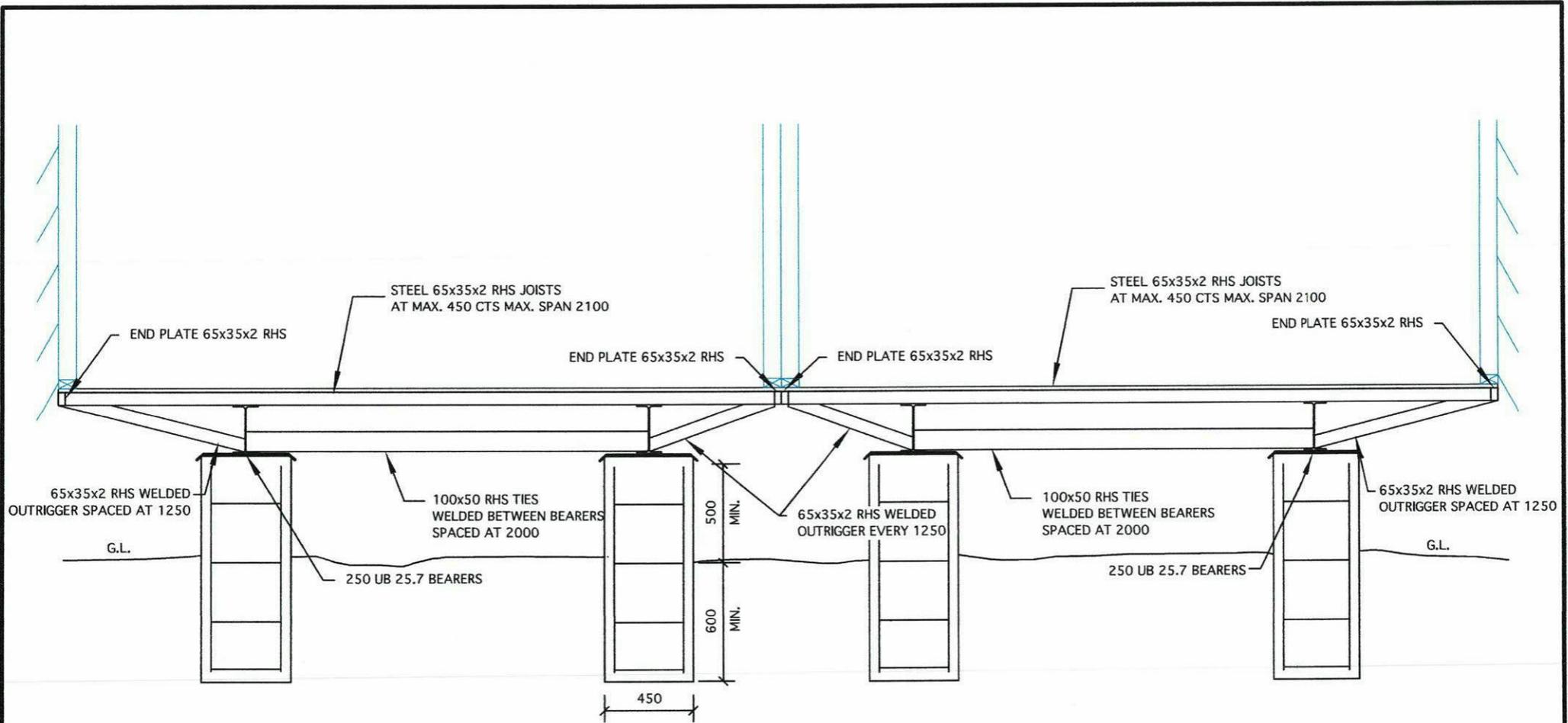
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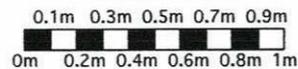
DRAWN DC  
CHECKED DLT  
DATE 10/10/19  
SCALE AS SHOWN  
SHEET 2 OF 4

DWG No  
190792 A



**SECTION A-A**

SCALE 1:20



CERTIFICATION.  
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Wednesday, October 23, 2019

## CONCRETE SLABS-ON-GROUND AND FOOTINGS

Concrete in the footings and slab-on-the-ground shall comply with AS3600, strength grade N32, maximum slump of 80mm and maximum aggregate size of 20mm.

Concrete shall be subject to plant control testing.

All reinforcement shall comply with AS1302 and AS1304. Bars 10mm diameter and above shall be minimum of Grade 400. Fabric shall be a minimum of Grade 450.

Bar chairs shall be placed at one metre centres both ways to give the following clear cover. Reinforcement shall be placed in towards the tops of slabs on ground. Chair bases shall be used to prevent damage to the vapour barrier. Unless specified otherwise on the drawings, structural laps and cover shall be as follow:

Required Cover	40mm in concrete in contact with unprotected ground
	40mm in concrete exposed externally
	30mm to a sealed vapour barrier
	20mm to the internal surface

Reinforcement	Required Laps
Bars	500mm
Fabric	Two cross wires overlapping
Trench mesh	500mm

Trenches and footing excavations shall be dewatered and cleaned prior to concrete placement so that no softened or loosened material remains.

All concrete shall be compacted by immersion vibrator and cured using sprayed curing compound.

### SITE MAINTENANCE

The building owner is responsible for the building and site maintenance as detailed in the CSIRO Pamphlet 10-19 Guide to Home Owners on Foundation Maintenance and Footing Performance. The Builder shall give the Owner a copy of this document.

### BRICKWORK AND BLOCKWORK

Block and bricks shall comply with relevant Australian Codes, with a minimum characteristic compressive strength of 12MPa for standard units and 8MPa for light-weight units. Standard units shall have maximum permeability of 2mm/minute, an efflorescence potential of nil or slight, and a characteristic lateral modulus of rupture of 0.8MPa. Colour and texture shall be within an agreed range. Concrete blocks for retaining walls shall be Double U or A Block configuration.

All brickwork and blockwork within the building shall be articulated as set out in Cement and Concrete Association of Australia Technical Note 61 "Articulated Walling". Control joints shall be built into any unreinforced concrete masonry at all points of potential cracking and at the locations shown on the drawings, but in no case greater than six metre spacing.

Cement shall be portland cement complying with AS1315 "Portland cement".

Sand shall conform to AS1465 "Aggregate for Concrete." It shall be clean sharp and free from salts, vegetable matter and impurities.

Mortar shall consist of one part portland cement, one part hydrated lime and six parts clean sand. Alternatively, mortar for concrete masonry shall consist of one part portland cement to 5 parts clean sand and 0.005 parts Dynex water thickener.

Mortar joints shall be 10mm thick. In hollow blockwork, mortar shall be face shell bedded and for structural work shall be ironed. In concrete blockwork panels greater than five metres long, joint reinforcement consisting of two 3.0 mm galvanised wires shall be incorporated at a maximum of 600mm centres and at closer centres adjacent to openings.

Vertical steel reinforcement shall be tied to steel starter bars through clean-out holes in each reinforced core and fixed in position at the top of the wall by plastic clips. Horizontal steel may be laid in contact with rebated webs. It shall be held in position by plastic clips when vertical steel is to be positioned subsequent to wall construction. Cover to horizontal steel in lintel blocks shall be maintained by the use of wheel type plastic clips. The minimum cover to the inside face of the block shall be 15mm unless specified otherwise.

Concrete grout shall have a minimum portland cement content of 300kg/cubic metre, sufficient slump to completely fill the cores and minimum compressive cylinder strength of 32MPa.

## NOTES

### GENERAL

- G1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL 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 ENGINEER BEFORE PROCEEDING WITH THE WORK.
- G2. MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT S.A.A. CODES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- G3. ALL DIMENSIONS SHOWN ARE TO BE VERIFIED ON SITE. ENGINEER'S DRAWINGS MUST NOT BE SCALED.
- G4. SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER AND BE INCLUDED IN ANY TENDER.
- G5. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED.

### STRUCTURAL STEEL

- S1 ALL STRUCTURAL STEEL MEMBERS TO BE MINIMUM GRADE 300 UNLESS OTHERWISE NOTED.
- S2 CONNECTIONS SHALL BE PROVIDED TO CARRY THE REACTIONS SHOWN UNLESS OTHERWISE DETAILED.
- S3 UNLESS OTHERWISE NOTED : WELDS TO BE 6MM CONTINUOUS FILLET LAID DOWN WITH APPROVED COVERED ELECTRODE. BOLTS TO BE 20 DIAMETER MILD STEEL IN 22 CLEARANCE HOLES UNLESS NOTED OTHERWISE. GUSSET PLATES TO BE 10MM THICK UNLESS OTHERWISE NOTED.
- S4 ALL CLEATS AND DRILLINGS FOR FIXING OF TIMBER MEMBERS ETC TO BE PROVIDED BY FABRICATOR.
- S5 CONCRETE ENCASED STRUCTURAL STEEL TO BE ENCLOSED BY F41 MESH PLACED 25 CLEAR OF STEEL. ENCASING TO PROVIDE 50 MIN. COVER, 75 WHERE EXPOSED TO EARTH.
- S6 ALL STRUCTURAL STEEL TO BE PROVIDED WITH CORROSION PROTECTION TO THE TABLE UNLESS NOTED OTHERWISE.

CERTIFICATION.

DESIGNED IN ACCORDANCE WITH  
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D. TURNER, B.Eng. (MIEA)

REV A - NO CHANGE - 21/10/19 - DC



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