This drawing is & shall remain the property of civil & structural - engineers. The drawing

THIS DRAWING MUST NOT BE USED FOR

CONSTRUCTION UNLESS SIGNED AS APPROVED

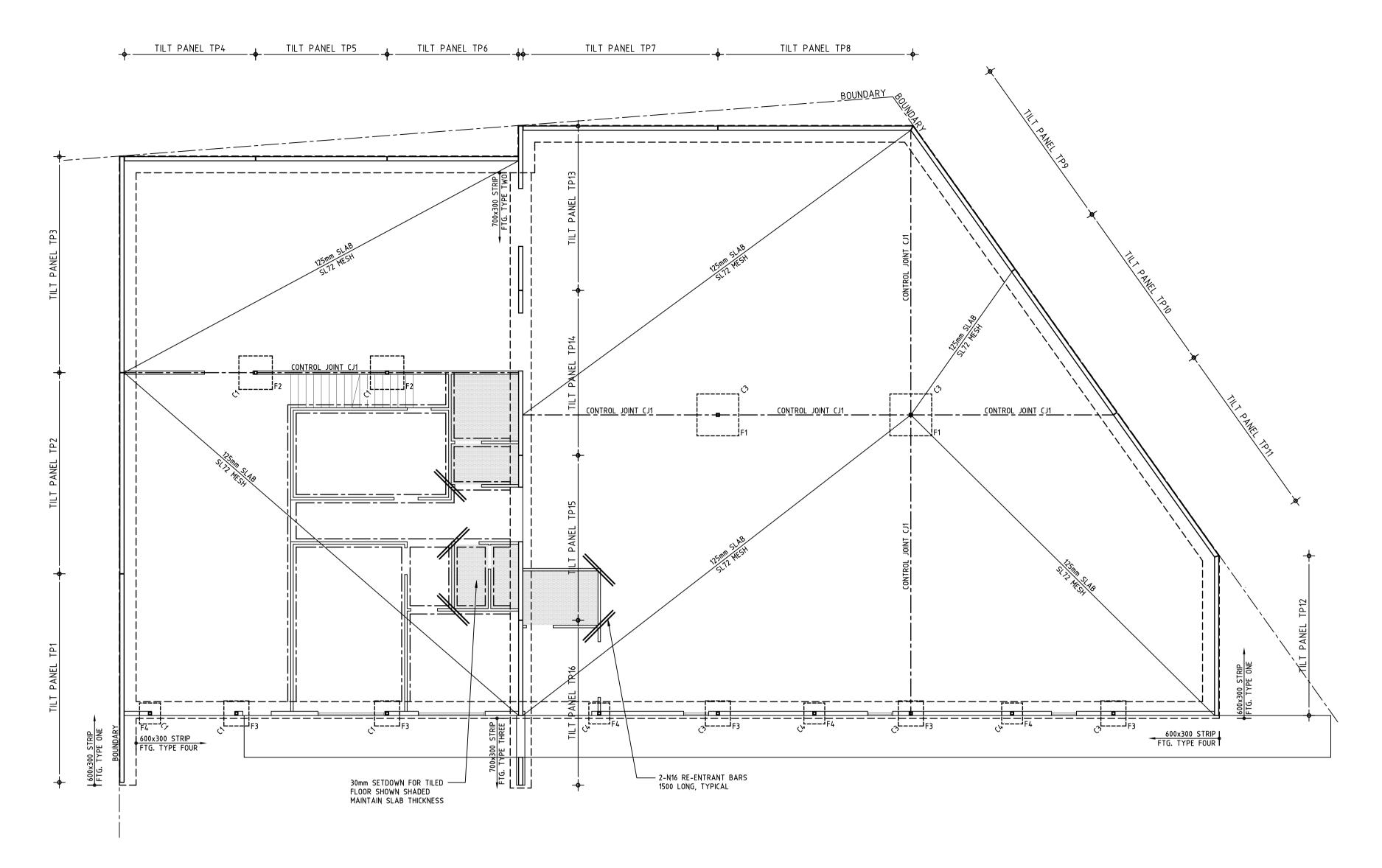
MAY ONLY BE USED FOR THE PURPOSE FOR WHICH IT WAS COMMISIONED, AND MAY NOT BE LENT, SHOWN,

1:100 ON A1

SCALE

PPROVED

COPIED OR OTHERWISE DUPLICATED BY ANY THIRD PARTY WITHOUT THE WRITTEN AUTHORISATION OF THE



FOOTING PLAN

DESIGN INFORMATION SLAB MAY ALTERNATIVE HAVE CONTROL JOINTS CUT WITH A SOFT CUT SAW ONLY. NATIONAL CONSTRUCTION MESH TO HAVE EVERY SECOND BAR CUT PRIOR TO POUR CODE 2019 IMPORTANCE LEVEL DEAD AND LIVE LOADS AS1170.0 & AS1170.1-2002 FLOOR LIVE LOAD ROOF LIVE LOAD FOOTING SCHEDULE THIS BUILDING HAS BEEN DESIGNED TO COMPLY WITH WIND DESIGN AS1170.2-2011 HOLD DOWN BOLTS THE BUILDING CODE OF AUSTRALIA AND THE RELEVANT WIND REGION STANDARDS NOTED THERE IN. THIS BUILDING COMPLIES REGIONAL WIND SPEED, VR 45 m/sec WITH THE REQUIREMENTS AS NOTED SPECIFICALLY TERRAIN CATEGORY BCA C1.11 AND BCA C2.7 **EARTHQUAKE LOADS** AS 1170.4-2007 HAZARD FACTOR, Z 80.0 SITE CLASSIFICATION AS 2870-2011 MEMBER SCHEDULE A GEOTECHNICAL INVESTIGATION HAS BEEN 'A' TO 'S' REMARKS PERFORMED AND THE SITE WAS FOUND TO BE SOIL BEARING PRESSURES CLASS 'A to S' UNDER AS 2870. ALL FOOTINGS (SAFE BEARING PRESSURE)

G.S.

BY

2021

DATE

ISSUED FOR CDC APPROVAL/BUILDING PERMIT

REVISION

GENERAL

- G1 THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS, AND WITH SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
- G2 ALL DIMENSIONS RELEVANT TO SETTING OUT AND OFF-SITE WORK SHALL BE VERIFIED BY THE BUILDER BEFORE CONSTRUCTION IS COMMENCED. THE ENGINEERS DRAWINGS SHALL NOT BE SCALED.
- G3 DURING CONSTRUCTION THE BUILDER SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE IN A STABLE CONDITION AND ENSURING NO PART IS OVER STRESSED DURING CONSTRUCTION ACTIVITIES.
- G4 WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT S.A.A. CODES AND THE LOCAL STATUTORY AUTHORITIES REGULATIONS INCLUDING ALL AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

FOUNDATIONS

- F1 WHERE EXISTING GROUND CONSISTS OF SAND OF VARYING COMPACTION. GROUND TO UNDERSIDE OF FOOTINGS AND SLABS ON GROUND SHALL BE COMPACTED WITH AN APPROVED VIBRATORY PLATE COMPACTOR TO ACHIEVE A COMPACTION IN THE TOP 1050MM EQUIVALENT TO 8 BLOWS PER 300MM MEASURED WITH A 16MM DIA 9.1 KG PERTH PENETROMETER.
- F2 ALL FILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 450mm THICKNESS. IMPORTED FILL SHALL BE CLEAN WELL GRADED YELLOW SAND FROM AN APPROVED SOURCE.
- F3 SITE SHALL BE STRIPPED OF ALL VEGETATION IN BUILDING AREAS. ENSURE THAT NO VEGETATION OR ORGANIC MATTER EXISTS IN THE SOIL STRATA BELOW THE FOOTINGS OR SLAB ON GROUND FOR A DEPTH OF
- F4 IF BASE AT FOOTING EXCAVATIONS BECOMES WET PRIOR TO POURING CONCRETE THEN THE WATER AND ANY SOFTENED MATERIAL SHALL BE REMOVED PRIOR TO POURING THE FOOTINGS.
- F5 IF CLAY OR EXPANSIVE SOILS ARE ENCOUNTERED ON SITE, NOTIFY SUPERINTENDENT BEFORE PROCEEDING.

CONCRETE

- C1 ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS.3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
- C2 CONCRETE SHALL BE PRE-MIXED FROM AN APPROVED SUPPLIER. PORTLAND CEMENT TYPE A TO BE USED. BLENDED CEMENT NOT TO BE
- USED. TABLE BELOW INDICATES STRENGTH GRADE. C3 ALL CONCRETE SHALL BE VIBRATED EXCEPT FOR CAVITY FILL, WHICH

GRADE SIZE NO (max) (FOOTINGS & SLABS N25E7 20		SHALL BE TAMPED WITH A	A ROD.		
& SLABS N25E7 20	C4	LOCATION		SIZE	SLUMP NOMINAL (mm)
TILT PANELS N40E7 20			N25E7	20	80
		TILT PANELS	N40E7	20	80

C5 REINFORCEMENT SYMBOLS

- HOT ROLLED DEFORMED BARS TO AS 1302 MARKED 'TEMPCORE'. : FABRIC TO AS 1304.
- R : STRUCTURAL GRADE PLAIN ROUND BAR TO AS1302.
- W: HIGH STRENGTH (450) PLAIN ROUND BAR TO AS 1302. THE NUMBER FOLLOWING IS THE BAR DIAMETER IN MM.
- C6 THE BUILDER SHALL SUPPLY ALL NECESSARY BAR CHAIRS (PLASTIC TIPPED), SUPPORT AND SPACER BARS, AND CONCRETE BLOCKS FOR FOOTING AND SLAB REINFORCEMENT, TO PLACE STEEL IN ITS CORRECT POSITION DURING CONCRETING.
- C7 REINFORCEMENT IS SHOWN DIAGRAM-MATICALLY AND NOT
- NECESSARILY IN TRUE PROJECTION.

C8 COVER TO REINFORCEMENT:

FOOTINGS - 75mm SLABS ON GROUND - 30mm TOP SUSPENDED SLABS - 30mm (45mm EXTERNAL) COLUMNS - 40 (50)mm TO LIGATURES WALLS - 30 (40)mm

C9 SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN THE POSITIONS SHOWN OR AS APPROVED BY THE ENGINEER. MINIMUM LAPS IN SLABS SHALL BE: N12 - 520mm N16 - 720mm N20 - 825mm N24 - 1100mm N28 - 1500mm SL - 300mm

OR AS NOTED ON THE DRAWINGS.

- C10 REINFORCEMENT IN SLABS MUST BE PLACED IN UPPER AND LOWER LAYERS AS INDICATED. COGS AND HOOKS TO BE STANDARD IN ACCORDANCE WITH SECTION 13, AS 3600.
- C11 INSPECTION

AT LEAST 24 HOURS NOTICE TO BE GIVEN FOR INSPECTION OF REINFORCEMENT BEFORE POURING CONCRETE. NO CONCRETE SHALL BE ORDERED UNTIL WHOLE OF THE REINFORCEMENT FOR THE POUR HAS BEEN APPROVED BY THE STRUCTURAL ENGINEER.

C12 NO HOLES, CHASES OR EMBEDMENT OF PIPES, OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE WITHOUT THE APPROVAL OF THE SUPERINTENDENT SERVICE CONDUITS IN SLABS ARE TO BE PLACED IN THE MIDDLE THIRD OF THE SLAB. CONDUITS ARE NOT TO MAKE LINE CONTACT WITH REINFORCEMENT. PENETRATIONS OF BEAMS SHALL NOT BE MADE WITHOUT THE APPROVAL OF THE SUPERINTENDENT.

- C13 CONCRETE SHALL BE CURED BY APPLICATION OF: (i) AN APPROVED CURING COMPOUND, OR (ii) CONTINUOUS WATER SPRAYS FOR PERIODS OF 7 DAYS.
- C14 PROVIDE ALL EXPOSED EDGES AND CORNERS WITH 20mm CHAMFERS OR FILLETS, UNLESS NOTED OTHERWISE.
- C15 FORMWORK SHALL BE APPROVED UNDAMAGED PLYWOOD. DESIGN OF SUPPORTING STRUCTURES SHALL BE THE BUILDER'S RESPONSIBILITY.
- C17 ENSURE THAT SIDES OF FOOTING TRENCHES ARE SUCH THAT SOIL DOES NOT FALL IN DURING PLACEMENT OF CONCRETE. ON BOUNDARY LINES SIDES OF FOOTINGS SHALL BE FORMED UP WITH TIMBER.

CONCRETE (Cont.)

- C18 SLABS ON GROUND TO BE UNDERLAID WITH I.C.I. FORTECON (OR SIMILAR APPROVED) SHEET MEMBRANE, TAPED AT ALL JOINTS AND TURNED UP AGAINST WALLS AND AT EDGE THICKENINGS FOR FULL
- DEPTH OF SLAB. C19 PRIOR TO POURING ANY CONCRETE SUPPORTED ON FACE WORK, PLACE LAYER OF PVC SHEET MEMBRANE OVER WALL. DRAPE OVER SIDES OF WALL AND ON COMPLETION CUT OFF ANY PROTRUDING SHEET
- FLUSH WITH WALL. C20 SIZES OF CONCRETE ELEMENTS DO NOT INCLUDE THICKNESS OF APPLIED FINISHES. BEAM SIZES ARE DESIGNATED DEPTH (INCLUDING
- C21 CONSTRUCTION JOINTS SHALL BE PROPERLY FORMED AND USED
- WHERE SHOWN OR SPECIFICALLY APPROVED BY THE ENGINEER. C22 ALL PROPS AND FORMWORK FOR BEAMS AND SLABS TO BE REMOVED BEFORE CONSTRUCTION OF ANY WALLS OR OTHER PERMANENT LOADING
- C23 PROVIDE P.G.I., MALTHOID OR SIMILAR APPROVED BOND BREAKER BETWEEN THE TOP OF ALL LOAD BEARING BRICK OR BLOCK WALLS AND SUSPENDED SLABS, EXCEPT WHERE THE WALL IS RETAINING.
- C24 ALL NON-LOAD BEARING WALLS TO BE KEPT CLEAR OF THE UNDERSIDE OF SLABS AND BEAMS BY 20mm.

- (A) WET AREAS TO RECIEVE TILES WOOD TROWEL FINISH. (B) ALL OTHER AREAS - MONOLITHIC STEEL TROWEL FINISH TO A FLAT UNIFORM GLASSY SURFACE, SUITABLE TO RECEIVE VINYL FLOORING. TOLERANCE ON FLATNESS + 5mm. DEVIATIONS FROM A 2.0 METRE STRAIGHT EDGE PLACED ANYWHERE ON THE SURFACE 2.5mm MAX.
- C26 ALL RE-ENTRANT CORNERS TO HAVE 2-N16 BARS 1500 LONG LOCATED CENTRAL ABOUT CORNER. ENDS TO BE COGGED IF CLASH WITH SLAB

TILT PANELS

- P1 ENSURE CORRECT COVER IS MAINTAINED AT ALL TIMES. LAP MESH IN ONE DIRECTION ONLY.
- P2 DESIGN OF LIFTING AND BRACE POINTS TO BE CARRIED OUT BY AN ENGINEER APPROVED BY THE PROPRIETRY MANUFACTURER. DETAILS OF THE REQUIREMENTS OF THE MANUFACTURER TO BE PROVIDED FOR REVIEW PRIOR TO PANEL WORKS.
- P3 PANELS NOT TO BE LIFTED UNTIL 14 DAYS OR UNTIL 75% OF THE DESIGN STRENGTH HAS BEEN REACHED.
- P4 USE ONLY PROPRIETRY FERRULES AND LIFTING POINTS. LIFTING CLUTCHES AND EQUIPMENT TO BE WORKSAFE APPROVED AS A LIFTING

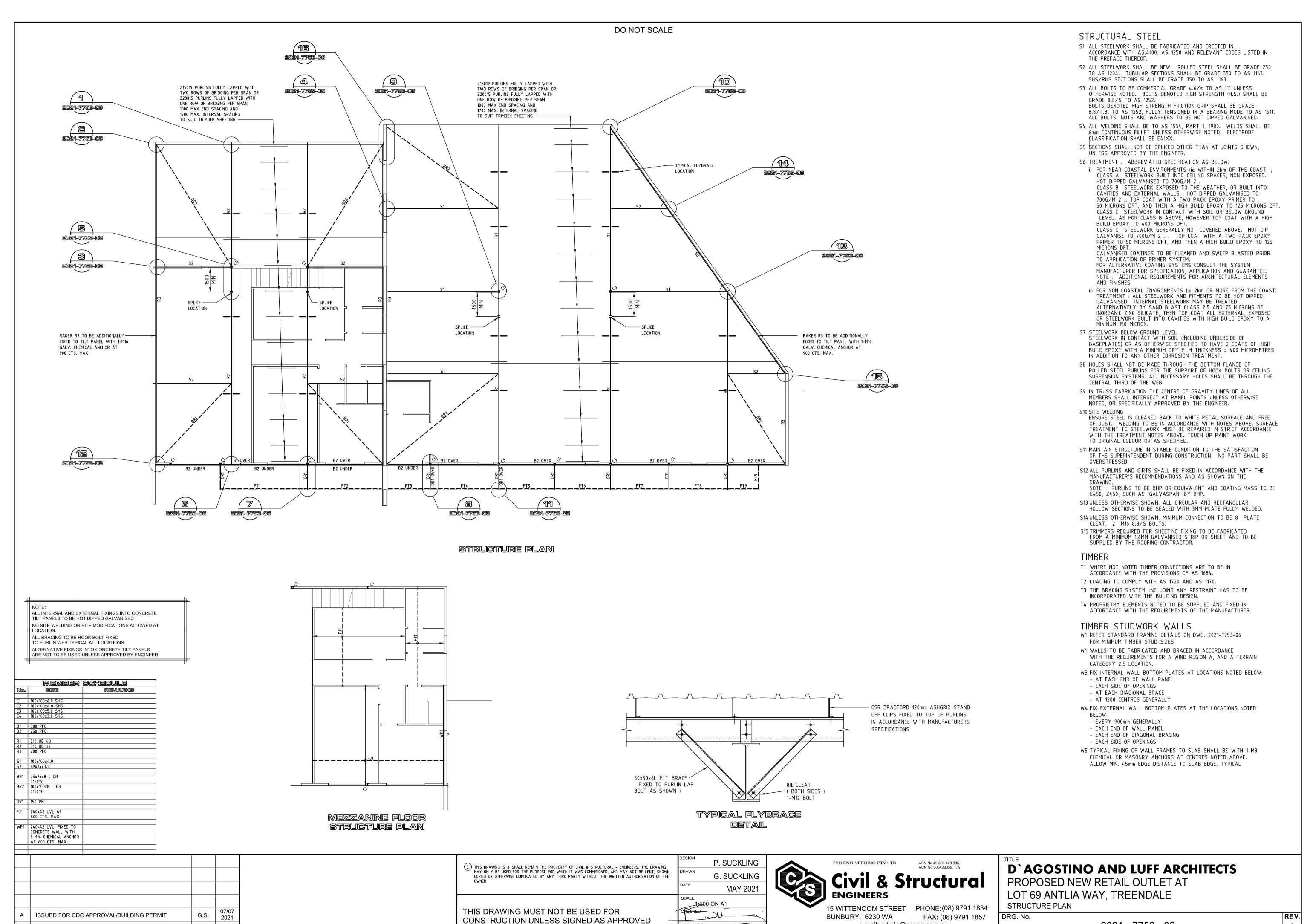


e-mail: admin@cseng.com.au

D'AGOSTINO AND LUFF ARCHITECTS PROPOSED NEW RETAIL OUTLET AT LOT 69 ANTLIA WAY, TREENDALE

FOOTING PLAN DRG. No.

2021 - 7753 - 01



REVISION

BY

DATE

2021 - 7753 - 02

e-mail: admin@cseng.com.au

