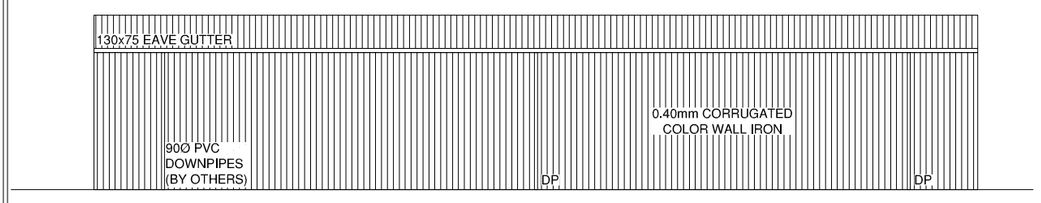
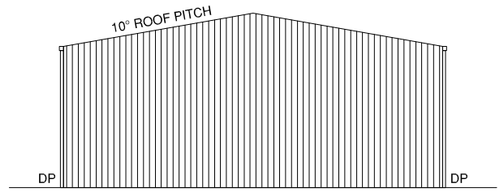


ELEVATION B



ELEVATION C

COLUMN SCHEDULE

MARK	SIZE	FLYBRACED / STIFFENED
C1 - C16	200 UB 22	N/A
M1 - M3	200 UB 22	N/A
RDM1 - RDM4	C240 26	N/A

RAFTER SCHEDULE

MARK	SIZE
R1 - R16	C300 26

PURLIN SCHEDULE

SIZE	SPACING	BRACING	LAP
Z150 12 G450	1200	1/BAY	970

GIRT SCHEDULE

SIZE	SPACING	BRACING	LAP
Z150 12 G450	1400	1/BAY	970

SINGLE SPAN GIRT SCHEDULE

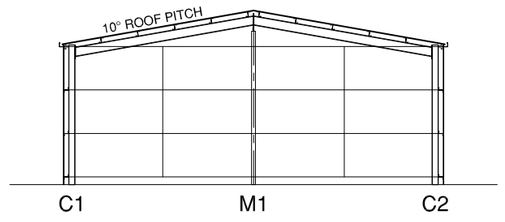
SIZE	SPACING	BRACING	LAP
Z150 12 G450	1400	1/BAY	N/A

BRACING SCHEDULE

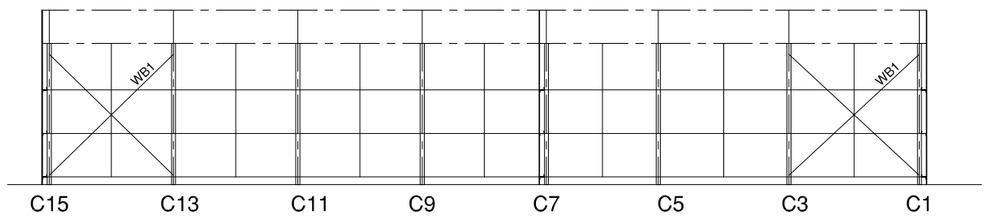
MARK	SIZE
RB1	1/12 Ø MS ROD
WB1	1/12 Ø MS ROD

FOOTING SCHEDULE

MARK	SIZE	DEPTH
F1	600 Ø or SQ.	1200 MIN.
F2	600 Ø or SQ.	600 MIN.



ELEVATION C



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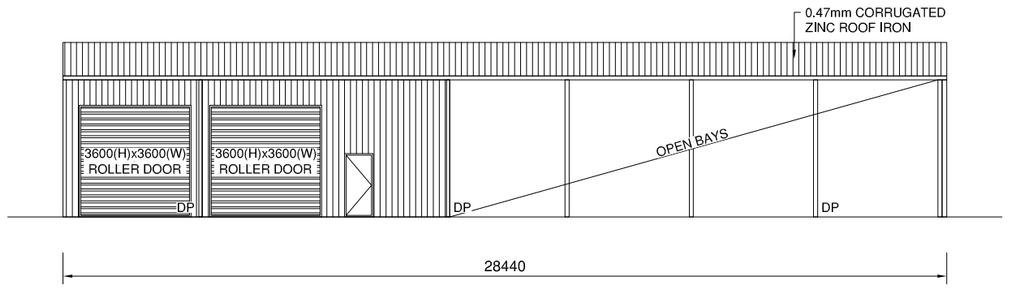
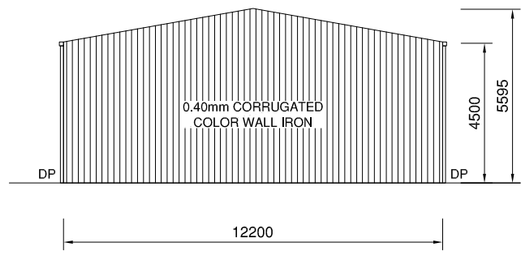
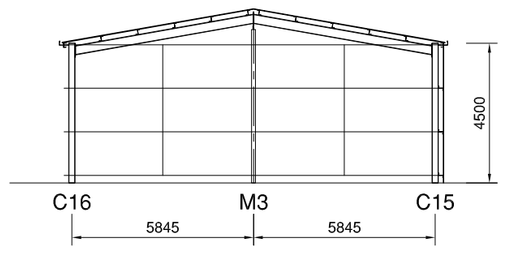


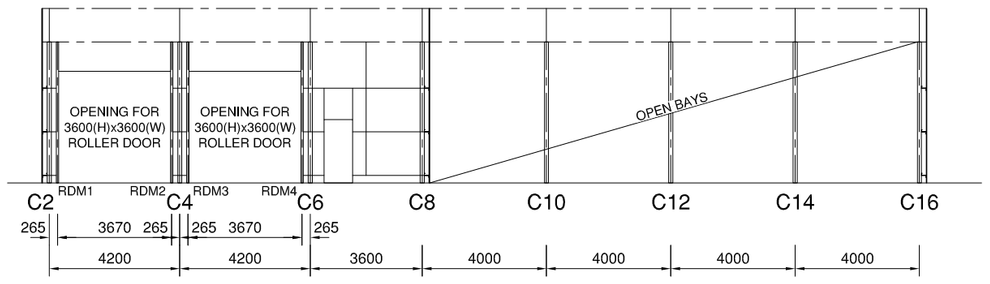
ELEVATION A



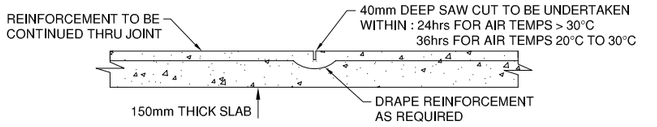
ELEVATION D



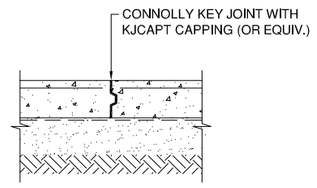
ELEVATION D



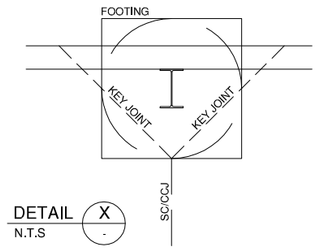
ELEVATION A

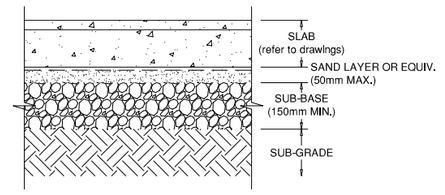


SAW CUT
N.T.S



KEY JOINT DETAIL
N.T.S





TYPICAL SLAB DETAIL:

N
W E
S

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Approved·by·Council·26·July·2021¶

¶

General·Manager¶

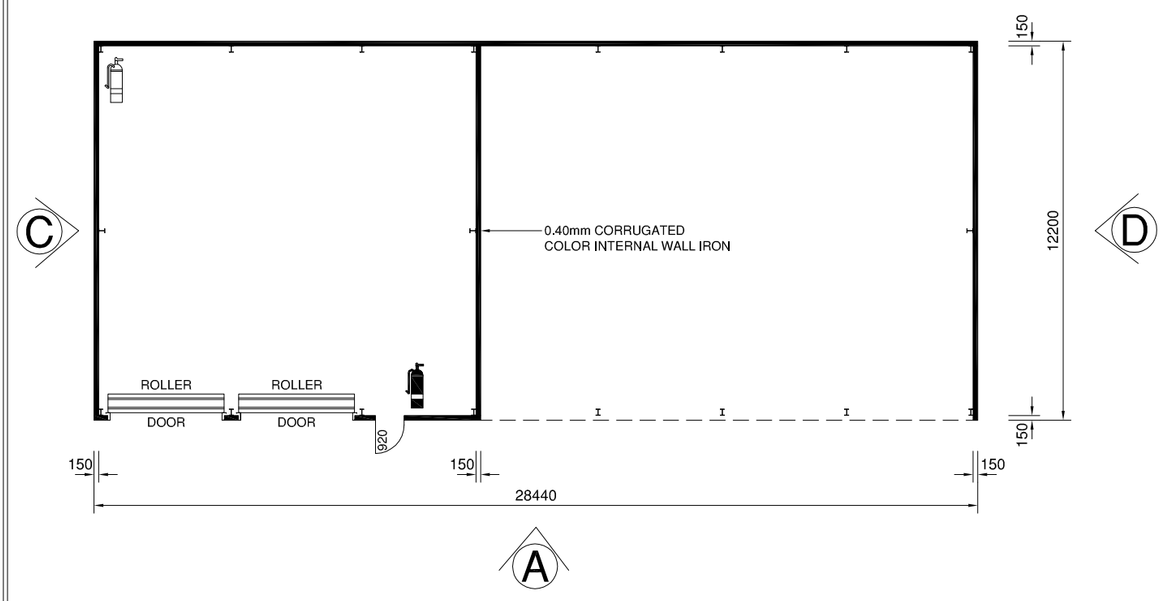
PA DOORS:
920x2040 SEMI-SOLID CORE DOOR UNIT
FITTED WITH SINGLE HANDED PUSHING
ACTION DOOR FURNITURE FOR EGRESS. NO
KEY REQUIRED AS PER D2.21 OF THE B.C.A.

3A40B(E) DRY CHEMICAL FIRE
EXTINGUISHER, ADJACENT TO
EXIT AS PER AS 2444.

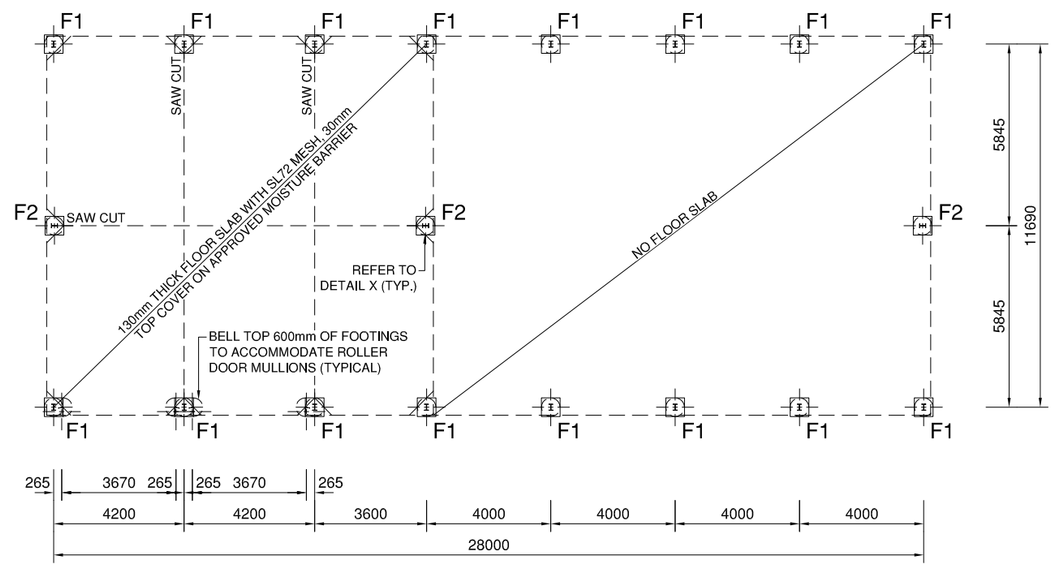
2A20B(E) DRY CHEMICAL FIRE
EXTINGUISHER, LOCATED
BETWEEN 2.0m AND 20.0m OF
SWITCHBOARD AS PER AS 2444.

FOOTING NOTE:
FOOTINGS TO BE FOUNDED A MINIMUM OF
200mm INTO NATURAL UNDISTURBED SOIL, WITH
AN ALLOWABLE BEARING CAPACITY OF 150kPa,
TO BE CONFIRMED PRIOR TO CONSTRUCTION

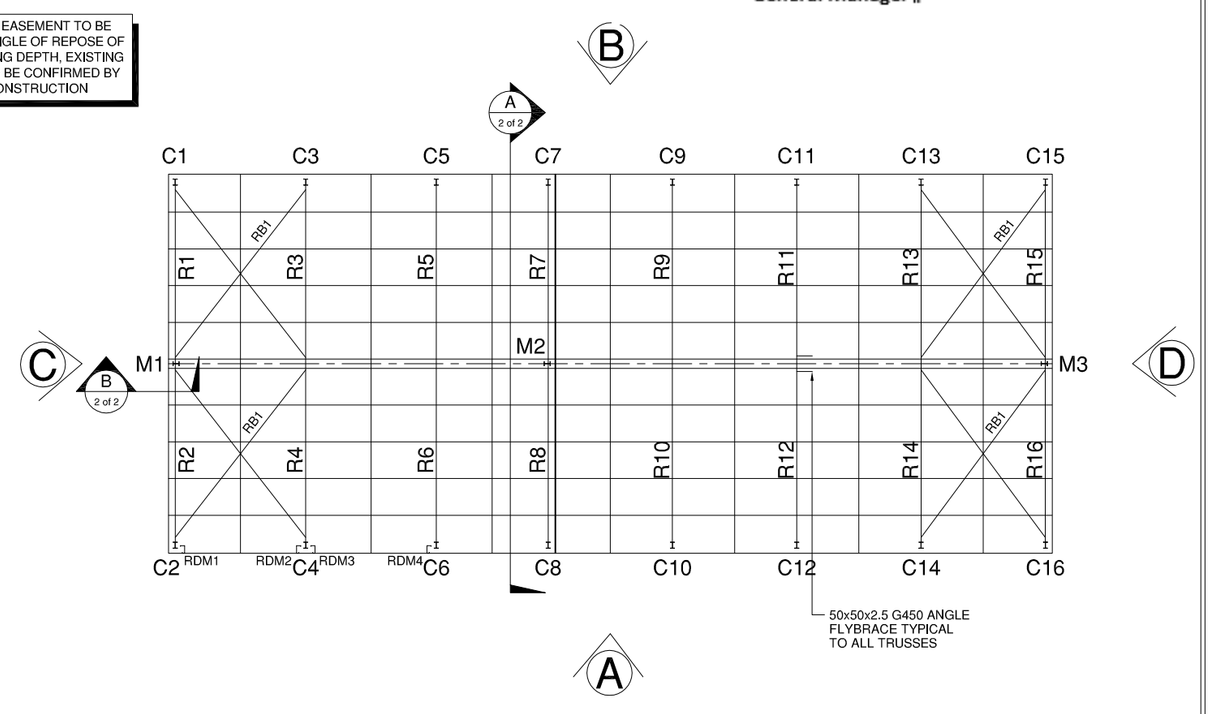
FOOTINGS ADJACENT AN EXISTING EASEMENT TO BE
FOUNDED 300mm MIN. BELOW THE ANGLE OF REPOSE OF
EXISTING SERVICE LINE. THE FOOTING DEPTH, EXISTING
SERVICE LINE DEPTH & POSITION TO BE CONFIRMED BY
LOCAL AUTHORITY PRIOR TO CONSTRUCTION



FLOOR PLAN



FOOTING PLAN



ROOF PLAN

PROJECT	DRAWING TITLE
PROPOSED SHED FOR: WARDLE BUILDERS AT: LOT 1 MYERS STREET, WILCANNIA, NSW.	LAYOUT.

TELFORDS BUILDING SYSTEMS
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QLD (Yatala) Ph. (07) 3804 6688

IMPORTANT:
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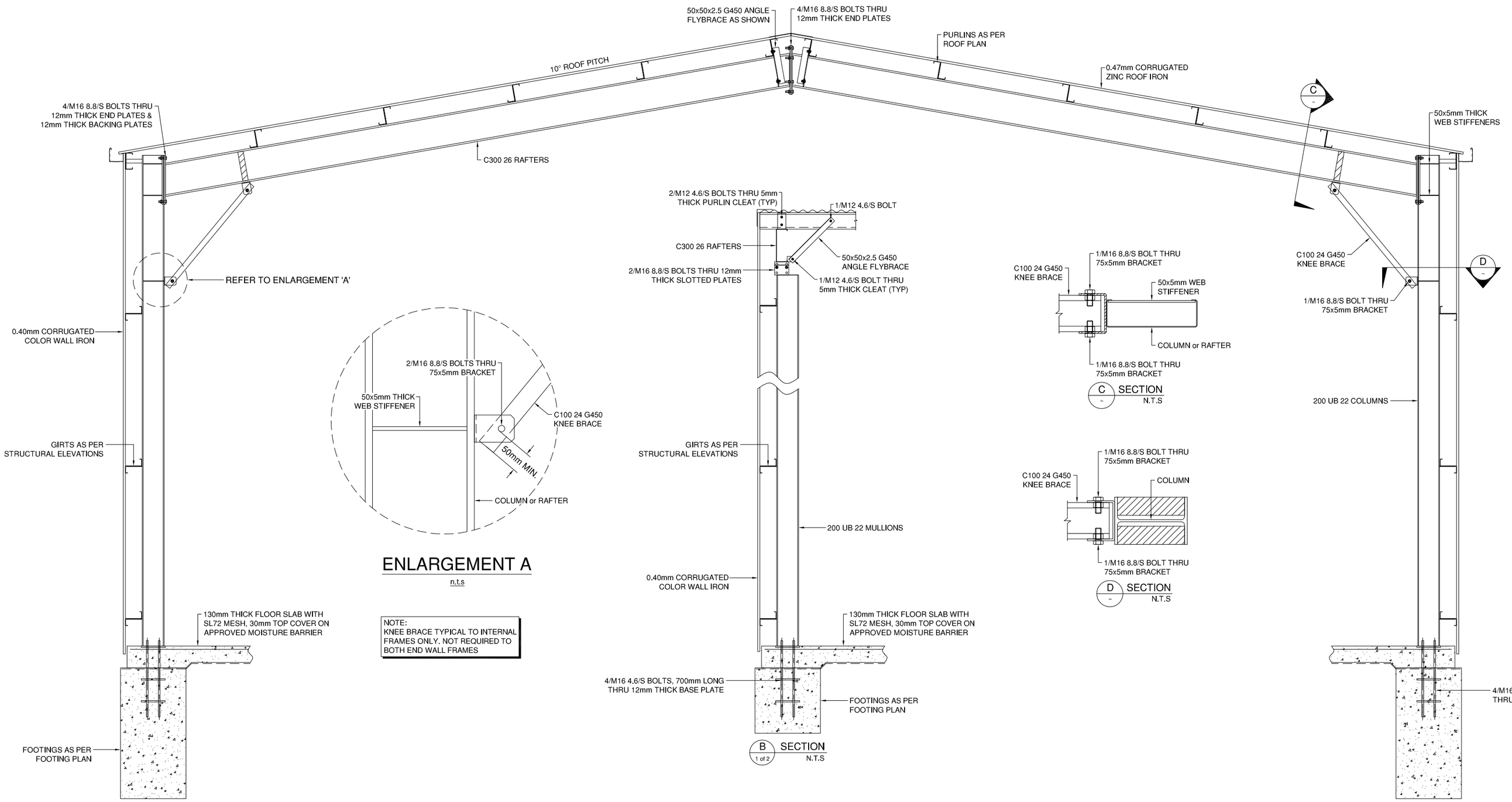
DO NOT USE THIS DRAWING!!

HIA MEMBERSHIP 527937

RBP REGISTERED BUILDING PRACTITIONER DP-AD 109

DRAWN	R. COVERDALE	DWG. No.	I/085/21
DATE	6/04/2021		
SCALE	1:200(A2)		
CHECKED	G.FORD	Sheet 1 of 2	



Central·Darling·Shire·Council¶

Approved·by·Council·26·July·2021¶

¶

General·Manager¶

STRUCTURAL STEELWORK:

S1. All workmanship and materials shall be in accordance with AS 4100.

S2. Unless noted otherwise all steel shall be in accordance with:
AS 3678 and AS 3679 Grade 300 for rolled sections
AS 1163 Grade 350 for square hollow sections
AS 1074 Grade 200 for circular hollow sections
AS 1397 Grade 450 for cold formed light gauge sections

S3. The Contractor shall provide temporary bracing as necessary to stabilize the structure during erection and leave in place until permanent bracing elements are constructed.

S4. Welding shall be in accordance with AS 1554 and be performed by an experienced operator.

S5. Welds shall be 6mm continuous fillet unless noted otherwise.

S6. Butt welds are to be complete penetration butt welds as defined in AS 1554. E48XX electrodes shall be used.

S7. Refer to structural drawings for purlin and girt sizes and spacings. Purlins and girts shall be installed in accordance with manufacturers directions. Use washers under bolt head and nut. Purlin bolts to be:
M12 4.6/S for sections up to 250mm deep
M16 4.6/S for sections over 250mm deep

S8. Purlin cleats shall be 5mm thick, with 6mm ctw, unless otherwise noted.

S9. Bolt type and procedure is as follows:
4.6/S Refers to commercial bolts of strength grade 4.6 conforming to AS 1111 and tightened using a standard wrench to a 'snug tight' condition.
8.8/S Refers to high strength bolts of strength grade 8.8 conforming to AS 1252 and tightened using a standard wrench to a 'snug tight' condition.
8.8/TF Refers to high strength bolts of strength grade 8.8 conforming to AS 1252 and fully tensioned in a controlled manner to the requirements of AS 4100.

S10. All Structural steelwork below ground to be encased by concrete 75mm min. all round.

S11. Concrete encased structural steel to be enclosed by SL41 mesh placed 25mm clear of steelwork. Encasing to provide 50mm min. cover, 75mm min. cover where exposed to earth. All steelwork to be given one shop coat of approved paint unless otherwise noted.

SLAB & FOOTING NOTES:

F1. The slab design denoted upon these plans is that of a non rigid articulated pavement slab and has not been designed to resist the surface movement resulting from shrink/swell of the underlying soils (where reactive soils are present). As such depending upon the site soil classification and site moisture conditions, future deviations in the slab surface levels can be expected. The principals and details provided are applicable to slabs/pavements likely to be found in a wide range of buildings. Although strategically placed articulation joints have been designed within the slab, slab surface cracking under the aforementioned conditions should be expected. Minor cracking will also occur as a result of factors not associated with soil movements. Should this not be suitable for the intended use of the building, an engineered stiffened raft slab will need to be designed.

100mm thick slab **"Non Structural Slab"** (A & S Sites only)
Light Vehicle Traffic Areas - Vehicles not exceeding 2500kg gross mass. (Uniformly distributed actions - **2.5kPa**, Concentrated actions - **9.0kN** (applied over a minimum area of 0.09m2)

130mm thick slab (A & S Sites only)
Light Vehicle Traffic Areas - Vehicles not exceeding 2500kg gross mass. (Uniformly distributed actions - **2.5kPa**, Concentrated actions - **13.0kN** (applied over a minimum area of 0.09m2)

150mm thick slab (A, S & M sites)
Medium Vehicle Traffic Areas - Vehicles exceeding 2500kg but not exceeding 10 000kg gross mass. (Uniformly distributed actions - **5.0kPa**, Concentrated actions - **31.0kN** (over a minimum area of 0.09m2)

F2. The footing/slab design denoted upon this plan is suitable for sites with a soil reactivity classification of A, S, or M class only (i.e. not H, P or higher). It is highly recommended that a suitably qualified geotechnical engineer is engaged to test and confirm the site classification prior to construction.

F3. Retain experienced / authorised personnel to inspect the footings/slabs to confirm adequacy prior to placement of reinforcing and concrete.

F4. All earthworks are to be carried out in accordance with AS3798-2007. All top soil including organic material is to be cleared from the building area prior to construction. Once the sub-grade is proof rolled, excavate and remove any soft spots or tree roots and backfill with approved granular material. The fill (sub base) placed should be certified to level 1 in accordance with AS3798-2007 and deemed controlled fill by a recognised geotechnical engineer. All fill placed is to be non reactive and compacted in 150 layers to achieve a minimum of 95% dry density, confirmed by standard compaction tests.

F5. Site drainage protecting the soil from excessive wetting is very important and all stormwater runoff must be directed away from the footings/slabs. Gardens, large trees, and shrubs must be kept away from footings/slabs. Seepage water occurring on sloping or excavated sites must be prevented from reaching footings by the construction of cut off drains.

F6. All drainage trenches must be constructed a minimum of 1200 from the outside edge of all footings/slabs. If site restrictions make this impossible, it may be necessary on reactive soil sites to install moisture barriers between plumbing trenches and footings/slabs to stop excessive moisture change.

F7. The builder is to confirm the depths and locations of all site services prior to construction. If existing services are found to foul with the footings denoted upon this plan, this office is to be notified immediately for advice/direction.

F8. If the proposed structure detailed upon these plans is found to undermine or surcharge existing site or neighbouring structures, the builder is to contact this office immediately for advice/direction.

CONCRETE:

C1. All workmanship and materials shall be in accordance with AS 3600 current editions with amendments, except where varied by the contract documents.

C2. Concrete shall have a characteristic compressive strength as follows:

Element:	Strength F'c:
Footings	25 Mpa
Concrete Panels	N/A
Slab on Ground	32 Mpa

C3. Cover to reinforcement shall be obtained by the use of approved bar chairs. All bar chairs to be spaced at 1000ctrs maximum. Cover shall not be less than the size of the aggregate or the main bars.

Element:	Concrete Cover:
Footings	50mm
Concrete Panels	40mm
Slab on Ground Internal	30mm
Slab on Ground External	40mm

C4. Sizes of concrete elements do not include thickness of applied finish.

C5. Provide 0.2mm polythene moisture barrier throughout, under entire slab on ground.

C6. No holes, chases or embedment of pipes other than those shown on the structural drawings shall be made in concrete members without the approval of the engineer.

C7. Construction joints shall be properly formed and located only where shown or specifically approved by the Engineer.

C8. Reinforcement is represented diagrammatically, it is not necessarily shown in true projection.

C9. Splices in reinforcement shall be made only in the positions shown, unless the approval of the engineer is obtained for any other splice.

C10. Welding of reinforcement will not be permitted unless noted on the structural drawings.

C11. Pipes or conduits shall not be placed within the cover to reinforcement without the approval of the engineer.

C12. Reinforcement is to be supplied and bent in accordance with AS 1302, AS 1303 & AS 1304 current editions and amendments. Reinforcement is denoted by the following symbols:

R	denotes structural grade round bars grade 250
N	denotes hot rolled deformed bars grade 500
SL	denotes hard drawn steel wire square fabric
RL	denotes hard drawn steel wire rectangular fabric
L	denotes hard drawn steel wire trench mesh

C13. All reinforcement for any one pour shall be completely placed and tied prior to inspection. No concrete shall be poured until reinforcement has been inspected and approved.

C14. All concrete shall be properly compacted by means of approved vibrators.

C15. Where walls are non-load bearing at either horizontal or vertical faces they shall be separated from concrete or brickwork by 10mm thick bituminous canite or similar.

C16. Concrete shall be separated from supporting masonry by two layers of suitable membrane or as directed by the Engineer. Vertical faces of concrete to be kept free by a 10mm thickness bituminous canite or similar.

GENERAL NOTES:

G1. All work and materials shall be in accordance with the drawings, the specification, and current relevant Australian Standards, the building code of Australia and other statutory requirements.

G2. These drawings shall be read in conjunction with the architectural and other consultant's drawings, the specification and all other written instructions that are issued during the course of the works.

G3. The builder shall confirm all relevant dimensions before commencing construction/fabrication.

G4. All discrepancies shall be referred to the architect/engineer for clarification before proceeding. Notify the architect/engineer of all variations arising from the clarification of the discrepancy before proceeding with the works.

G5. Refer to architectural drawings for dimensions not noted on the engineering drawings.

G6. Manufacturers specifications means a current approved specification for use under conditions applicable.

G7. Do not scale drawings.

G8. All dimensions are in millimetres or metres unless noted otherwise.

G9. No substitutions shall be made without the written approval of the engineer.

G10. The builder shall maintain the works in a safe, stable condition and ensure that no part is over-stressed during construction.

G11. The Builder to ensure all underground services, pipes and cables to be located prior to excavation. Call 'Dial Before You Dig' on 1100 or go to www.1100.com.au.

G12. Moisture or Moisture Retaining materials should not be permitted to remain in intimate contact with metal roof & wall sheeting. Such contact will ultimately result in perforation (rust) of the material.

G13. Trees should not be planted or allowed to exist, closer than 75% of their mature height to the building. If any trees are to be retained and the new building is to be built within the distance equivalent to 75% of the mature height of the trees, an approved root barrier must be installed or the footing/floor design denoted on these drawings will require further engineering to avoid damage to the footings/floor/structure.

G14. This structure has not been designed with the allowable deflection limits for plaster / gypsum clad timber walls. Articulation joints at column locations and ceiling / wall junctions should be provided to limit potential damage to linings as a result of excessive deflection under wind loads however some damage to linings may occur as a result of these deformations.

PROJECT	PROPOSED SHED FOR: WARDLE BUILDERS AT: LOT 1 MYERS STREET, WILCANNIA, NSW.
DRAWING TITLE	STRUCTURAL DETAILS.

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RBP REGISTERED BUILDING PRACTITIONER DP-AD 109

DRAWN	R. COVERDALE	DWG. No.	I/085/21
DATE	6/04/2021		
SCALE	N.T.S		
CHECKED	G.FORD	Sheet 2 of 2	