

**GENERAL**

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, OTHER ENGINEERING DRAWINGS, SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER FOR A DECISION BEFORE ORDERING MATERIALS OR PROCEEDING WITH THE WORK.
2. THE BUILDER &/OR CONTRACTORS & THEIR SUB-CONTRACTORS SHALL ENSURE ALL WORK COMPLIES WITH THE LATEST BCA & AS CODES (& AMENDMENTS) & BCA REQUIREMENTS.
3. DURING CONSTRUCTION, THE BUILDER SHALL ALLOW AND BE RESPONSIBLE FOR ENSURING THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND THAT NO PART SHALL BE OVERSTRESSED. THE BUILDER SHALL PROVIDE ALL TEMPORARY BRACING AND PROPPING AS NECESSARY, INCLUDING ANY TEMPORARY SUPPORT FOR EXCAVATIONS. THE BUILDER IS TO ALLOW FOR THE ENGAGEMENT OF THEIR OWN ENGINEER TO PROVIDE CERTIFIED ADVICE AS REQUIRED BY THE BUILDER.
4. THE STRUCTURAL DRAWINGS DO NOT SHOW DETAILS OF ALL FIXTURES, INSERTS, SLEEVES, OPENINGS ETC., REQUIRED BY THE VARIOUS TRADES. ALL SUCH DETAILS, INCLUDING OPENINGS FOR CONSTRUCTION PURPOSES, SHALL BE OBTAINED FROM THE ARCHITECT'S OR OTHER CONSULTANT'S DRAWINGS AND/OR FROM THE VARIOUS TRADES AND SHALL BE APPROVED BY THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
5. ALL PENETRATIONS AND SET DOWNS SHOWN ON DRAWINGS ARE INDICATIVE ONLY. THE BUILDER SHALL CO-ORDINATE ALL SERVICES AND ENSURE THAT THE FINAL LOCATION AND SIZES OF PENETRATIONS ARE CONFIRMED BY THE APPROPRIATE SUB-CONTRACTOR. FINAL DETAILS TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL.
6. ALL THIRD PARTY/PROPRIETARY PRODUCTS ARE TO BE INSTALLED STRICTLY IN ACCORDANCE WITH SUPPLIERS / MANUFACTURER'S SPECIFICATIONS & DETAILS.
7. DO NOT SCALE OFF THESE DRAWINGS OR SKETCHES. ALL DIMENSIONS TO BE TAKEN DIRECTLY FROM THE CURRENT ARCHITECTURAL DRAWINGS. ALL DIMENSIONS EXPRESSED IN MILLIMETERS (MM).
8. IF IN DOUBT - ASK.

**EARTHWORKS:**

1. REMOVE ALL VEGETATION, TOPSOIL & NON-SAND FILL MATERIAL.
2. ANY ROCK MUST HAVE AT LEAST 100mm SAND COVER.
3. BUILDING PLATFORM AND PAVEMENT SUPPORT AREAS TO BE UNIFORMLY COMPACTED BY HEAVY SURFACE ROLLING TO A MINIMUM DRY DENSITY OF 95% MMDD. SOFT SPOTS ENCOUNTERED DURING COMPACTION TO BE TREATED BY TYNING, DRYING AND RE-COMPACTION.
4. THE USE OF VIBRATORY ROLLERS FOR EARTHWORKS COMPACTION MAY CAUSE SIGNIFICANT GROUND VIBRATION AND CAREFUL SITE CONTROL OR THE USE OF HEAVY STATIC COMPACTION PLANT WILL BE REQUIRED TO AVOID DAMAGE TO ADJOINING MASONRY BUILDINGS.
5. ALL FILL MATERIALS TO BE OF LOW PLASTICITY (P1<10) GRANULAR SELECTED FILL, PLACED IN LAYERS NOT MORE THAN 300mm COMPACTED THICKNESS AND UNIFORMLY COMPACTED UNDER STRICT (LEVEL 3 - AUSTRALIAN STANDARD AS3798) SUPERVISION TO A MINIMUM DRY DENSITY RATIO OF 98% MMDD (OR 7 BLOWS / 300 SPP FOR SANDY SOIL)
6. DIVERT ALL DOWN PIPE AND SURFACE WATER AWAY FROM FOOTINGS

**SURCHARGING THE EXISTING STRUCTURE:**

1. ENSURE NO EXISTING STRUCTURES OR SERVICES ON THIS OR ADJACENT PROPERTIES WILL BE SURCHARGED OR UNDERMINED BY THESE WORKS.
2. NO STRUCTURAL ALLOWANCES, OTHER THAN THOSE SPECIFIED SHOWN, HAVE BEEN MADE FOR POOLS, SOAK WELLS, RETAINING WALLS, DRAINAGE PIPES OR THE LIKE.

**MASONRY:**

1. ALL MASONRY TO BE IN ACCORDANCE WITH AS3700 & AS4773.
2. BRICKWORK TO HAVE A MINIMUM UNCONFINED CHARACTERISTIC STRENGTH F'UC: 12MPA
3. MORTAR TO BE M4 FOR PROJECTS LOCATED WITHIN 1KM OF THE OCEAN. MORTAR TO BE M3 FOR ALL OTHER PROJECTS. TYPE GP PORTLAND CEMENT & 100% WHITE PORTLAND CEMENT ARE THE ONLY CEMENTS ACCEPTABLE FOR USE IN MORTAR.
4. WALL TIES IN ACCORDANCE WITH AS 2699.1
5. DURABILITY CLASS OF WALL TIES TO R4. REQUIRED RATING OF WALL TIES TO BE LIGHT DUTY

**CONCRETE:**

1. CONCRETE TO CONFORM WITH AS3600.
2. BLENDED CEMENT TO CONFORM WITH AS3972.
3. AGGREGATE SHALL BE DENSE AGGREGATE TO AS2758 (UNLESS OTHERWISE INDICATED) FROM AN APPROVED SOURCE. THE MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 20mm GENERALLY, BUT NOT GREATER THAN 14mm IN WALLS LESS THAN 150mm THICK; UNLESS OTHERWISE NOTED.
4. 20/20/80 CONCRETE FOR FOOTINGS.
5. HOLES SHALL NOT BE CUT IN ANY STRUCTURAL CONCRETE WITHOUT THE PRIOR APPROVAL OF THE DESIGN ENGINEER.
6. CONCRETE TESTING SHALL COMPLY WITH THE REQUIREMENTS OF AS3600 - FOR PROJECT ASSESSMENT. CONSTRUCTION JOINTS ADDITIONAL TO THOSE SHOWN ON THE DRAWINGS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN ENGINEER. ALL CONSTRUCTION JOINTS TO BE FULLY SCRABBLED TO REMOVE ALL LAITANCE AND POORLY COMPACTED MATERIAL.
7. CURING SHALL COMPLY WITH THE SPECIFICATIONS, UNLESS OTHERWISE NOTED, SLABS SHALL BE THOROUGHLY WETTED, THEN COVERED FOR A MINIMUM OF 7 DAYS WITH 0.2mm THICK POLYTHENE SHEETING, WHICH SHALL BE SECURELY FIXED AGAINST TRAFFIC AND WIND AND OVERLAPPING 300mm MINIMUM AT JOINTS.
8. CONCRETE TO BE COMPACTED USING APPROVED INTERNAL VIBRATORS U.N.O.
9. FORM WORK IS TO BE STRIPPED IN ACCORDANCE WITH AS3610.
10. ALL HOLD DOWN BOLTS AND OTHER CAST IN FITTINGS MUST BE FIXED IN POSITION BEFORE CONCRETE IS POURED.

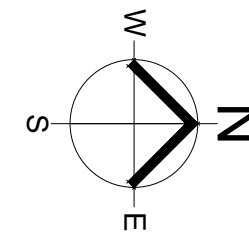
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IMPORTANCE LEVEL	-
WIND AS4055	
CLASSIFICATION	N1
REGION	A
TERRIAN	TC3
SHIELDING	FS
TOPOGRAPHY	T0
SOIL CLASS AS2870	
SOIL*	A
* BUILDER TO NOTIFY ENGINEER IF OTHERWISE DIFFERENT	

*Faiz Shaikh* 28/3/22

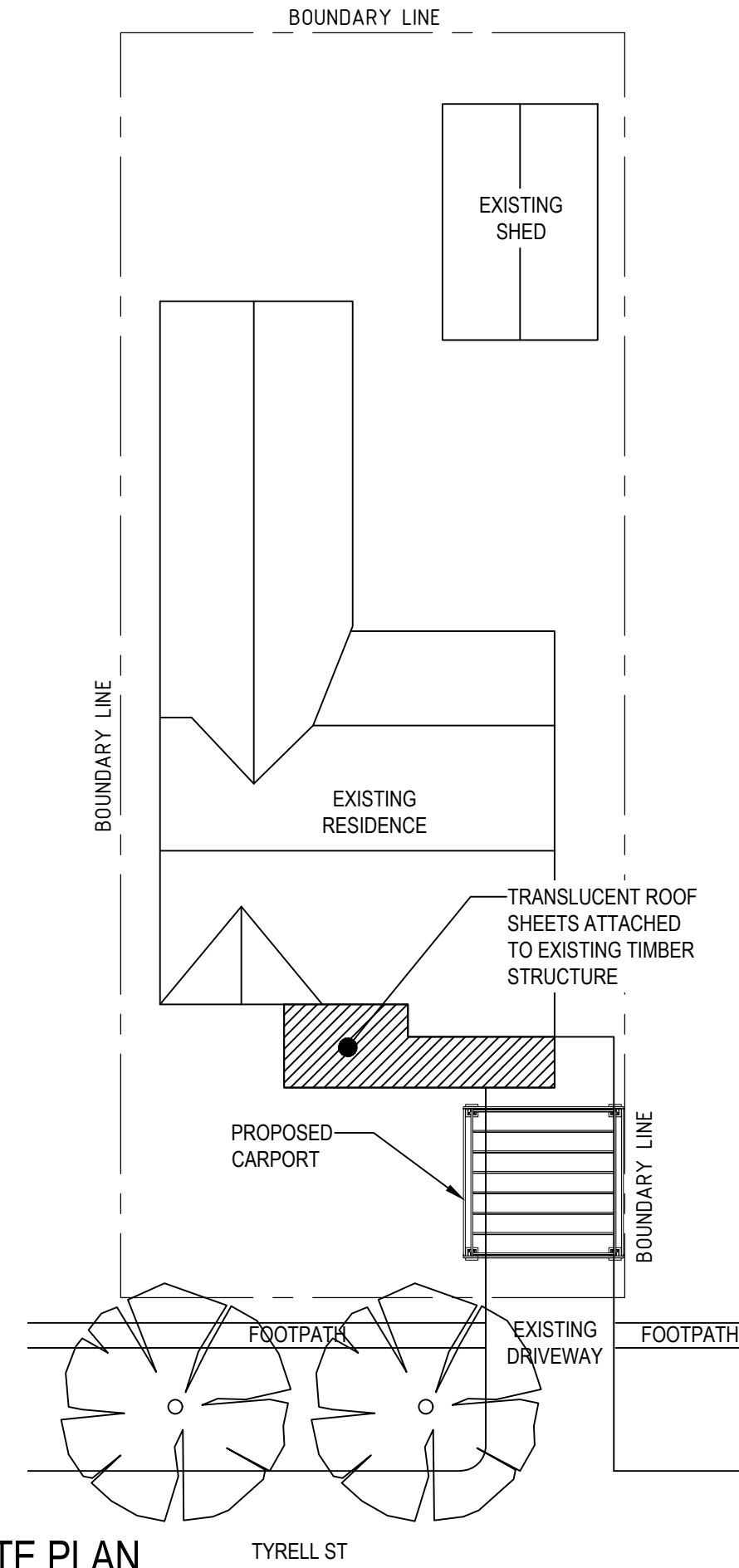
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**ENGINEERS AUSTRALIA**  
Chartered

**National Engineering Register**



**SITE PLAN**  
SCALE 1:250



REV.	REVISION DESCRIPTION:	DRAWN:	DATE:
BP	ISSUED FOR BUILDING PERMIT	BW	28/03/2022

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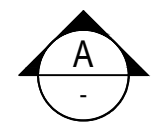
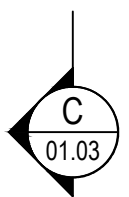
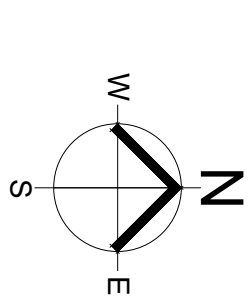
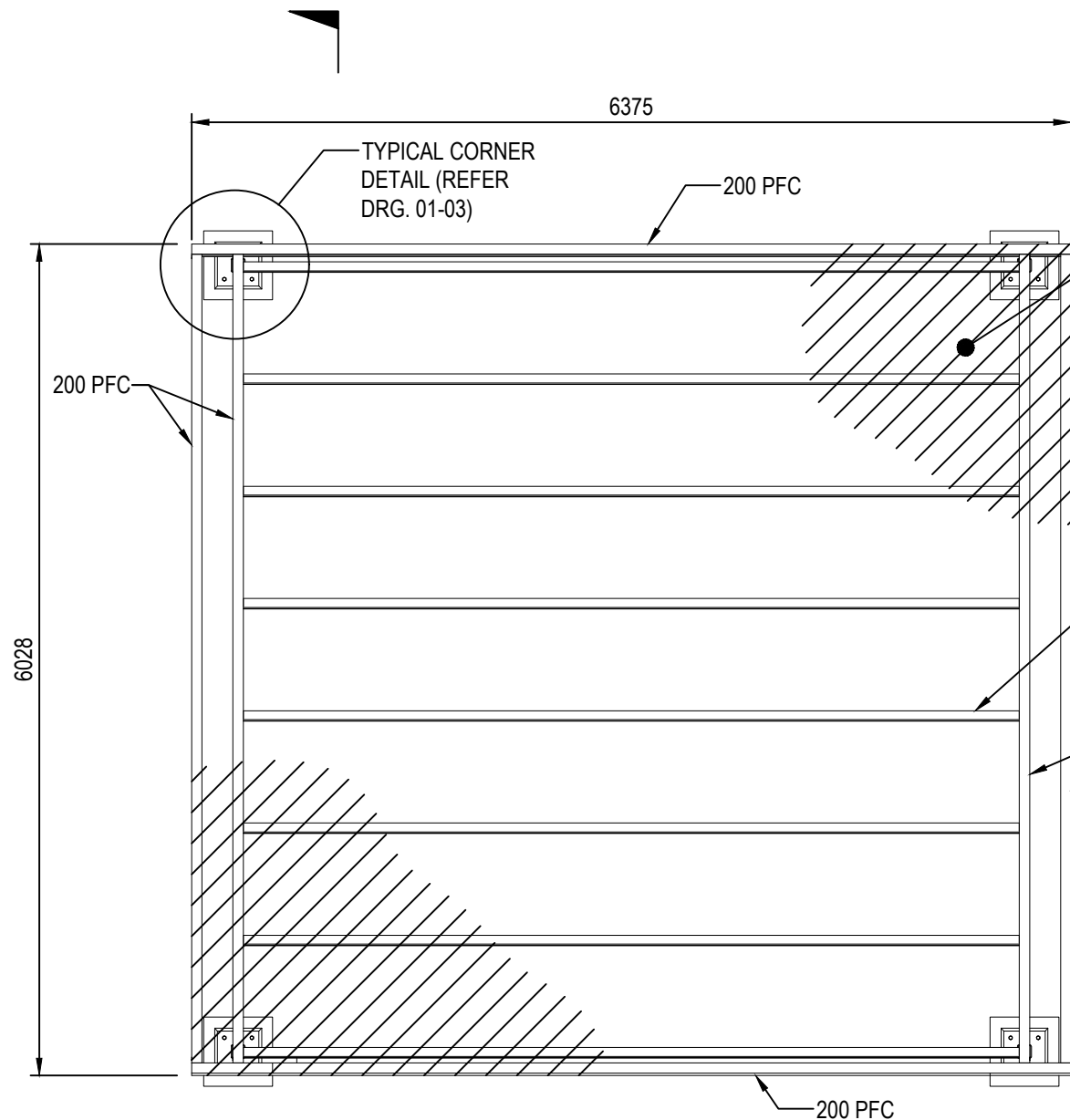
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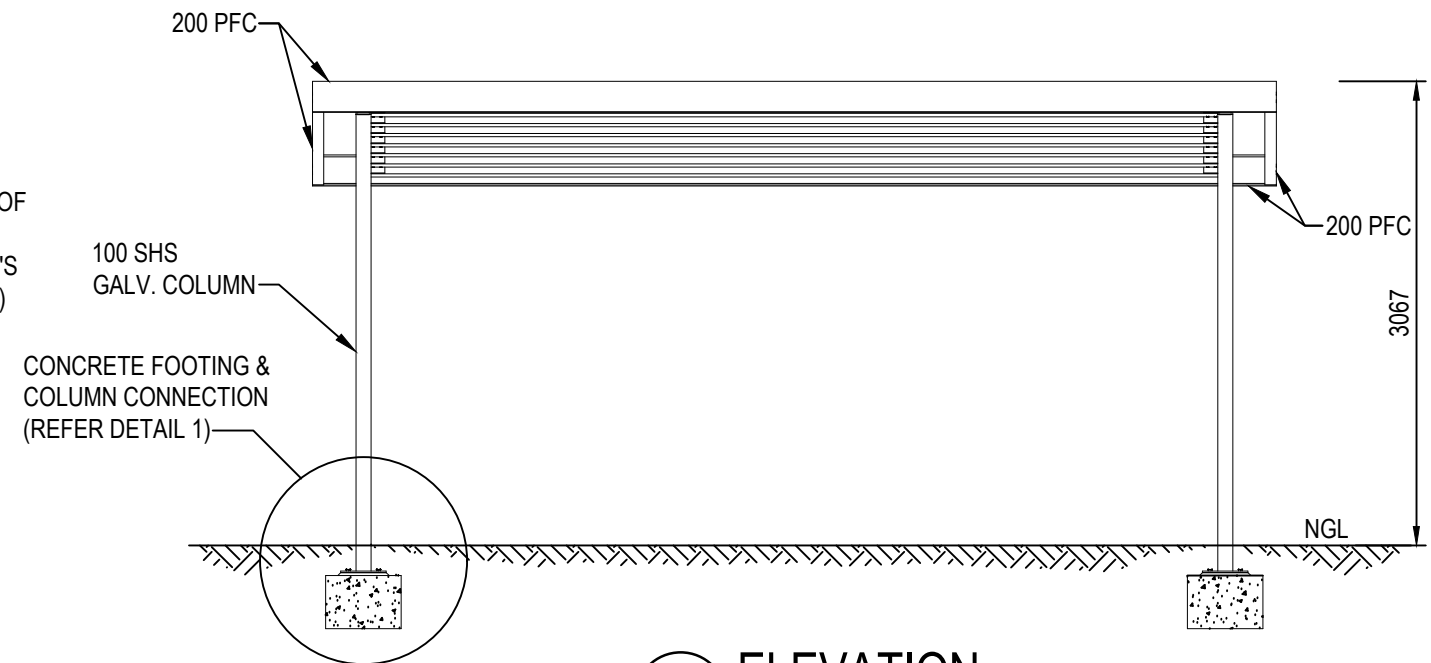
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1 TYRELL ST  
NEDLANDS  
WA 6009

DRAWING TITLE:  
**SITE PLAN & GENERAL NOTES**

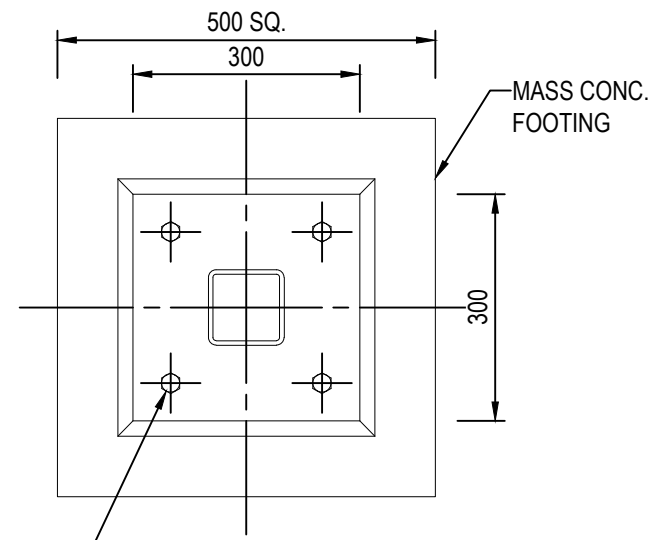
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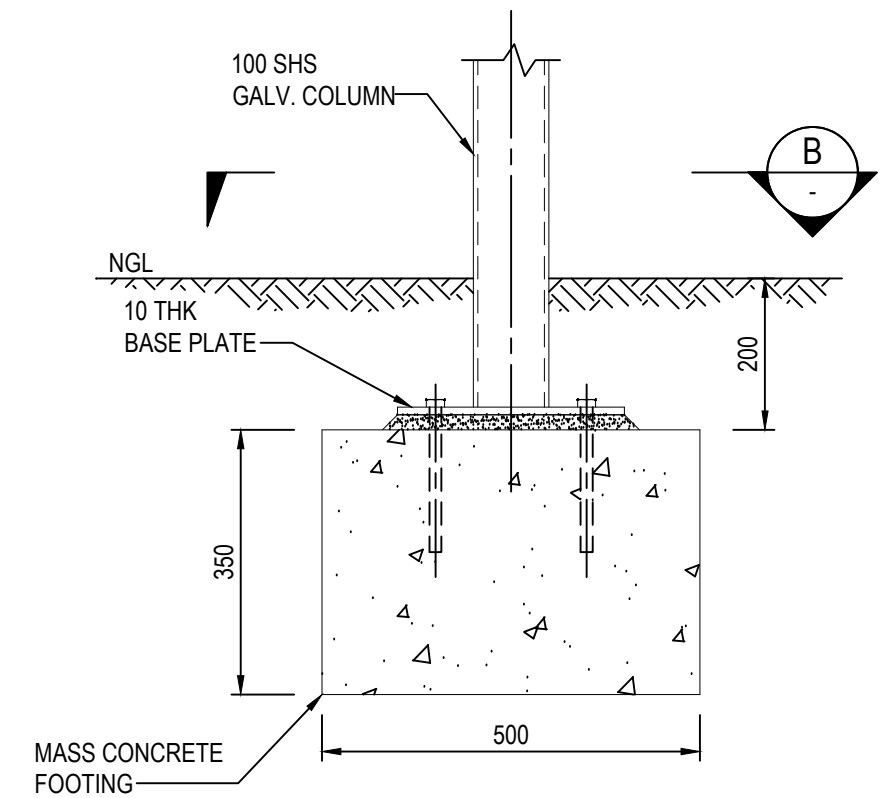
**PLAN**  
SCALE 1:50



**A ELEVATION**  
SCALE 1:50



**B SECTION**  
SCALE 1:20



**1 DETAIL**  
SCALE 1:20

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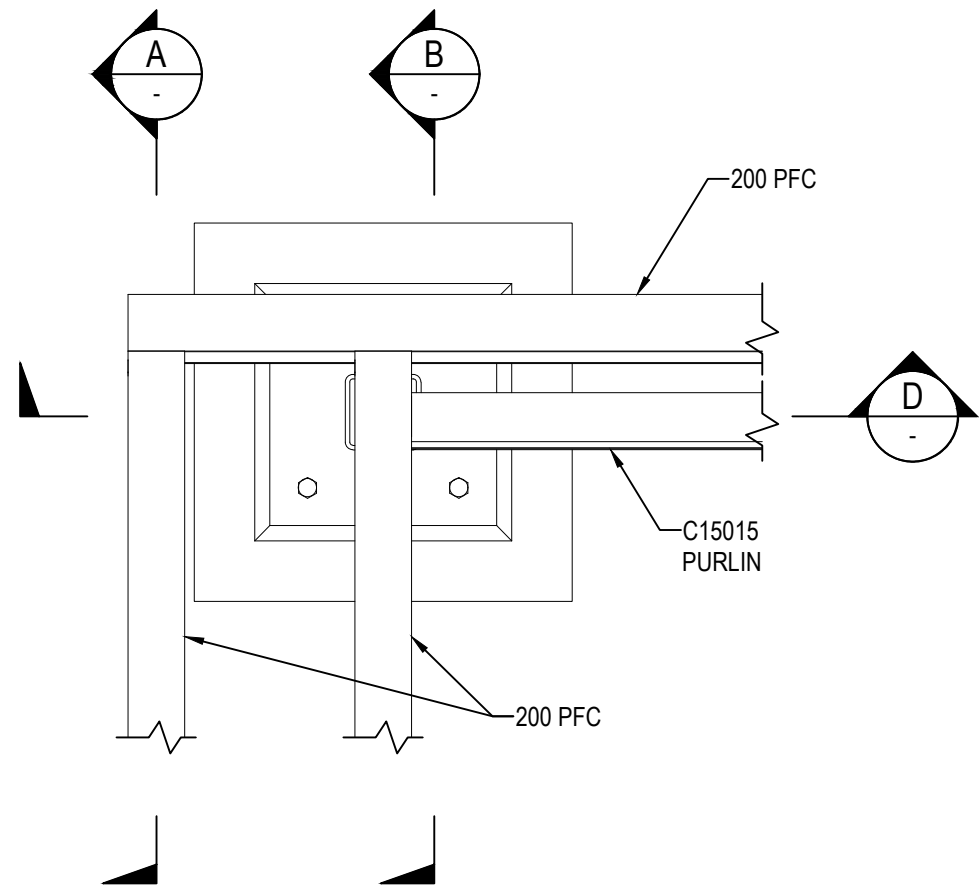
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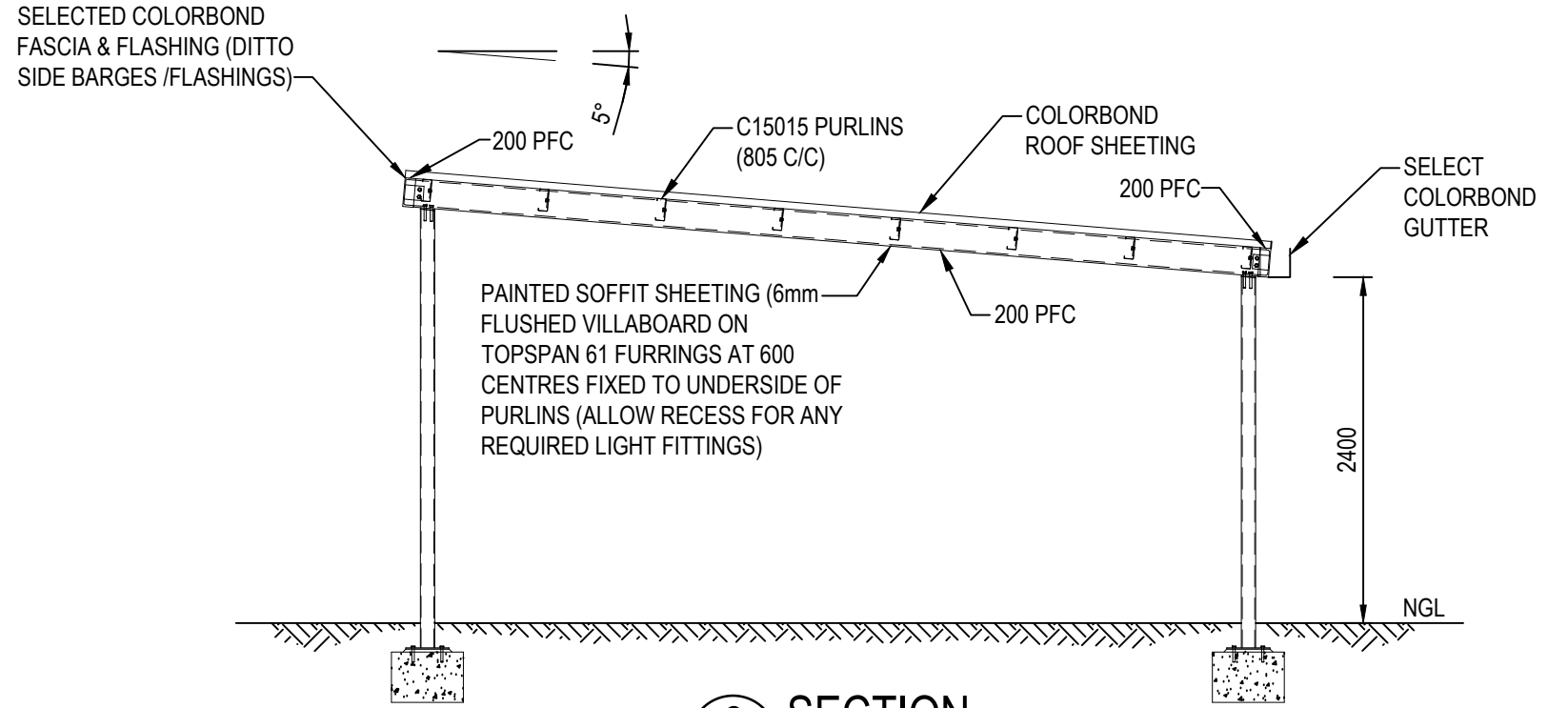
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**PROPOSED CARPORT**  
1 TYRELL ST  
NEDLANDS  
WA 6009

DRAWING TITLE:  
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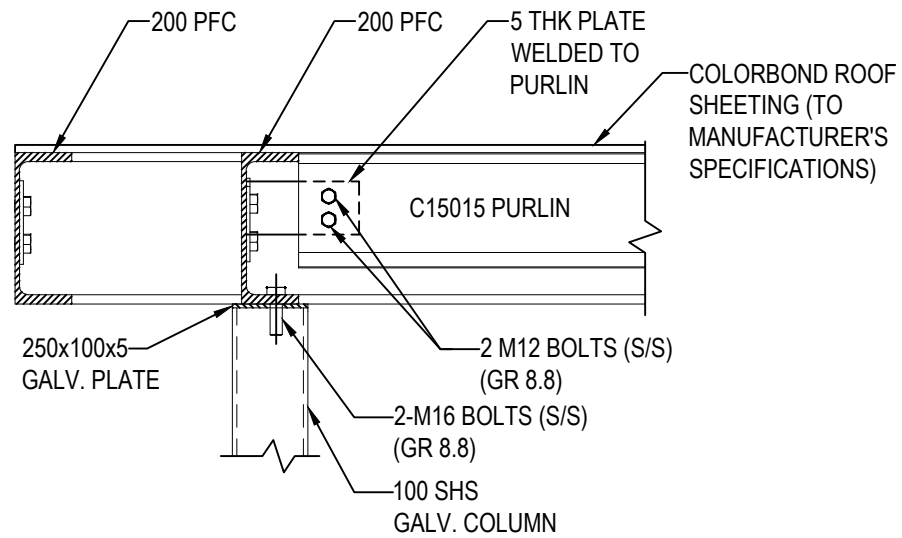
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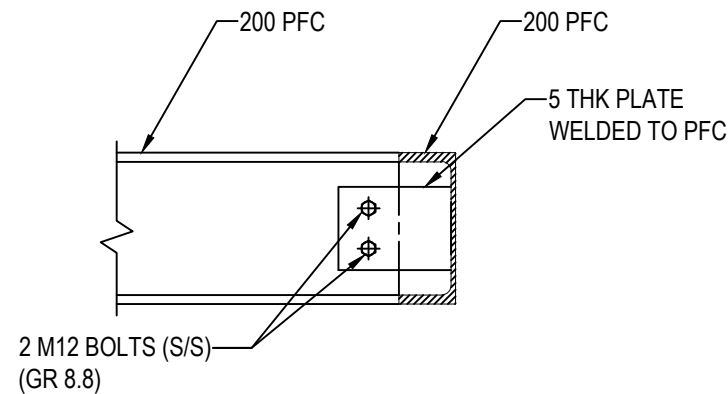
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TYPICAL CORNER DETAIL



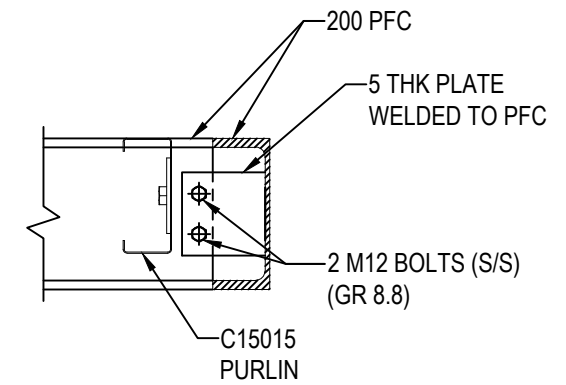
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01.02 SCALE 1:50



**D SECTION**  
SCALE 1:10



**A SECTION**  
SCALE 1:10



**B SECTION**  
SCALE 1:10

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28/3/22

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DRAWING TITLE:  
**ELEVATION AND CONNECTION DETAILS**

SIGNATURE:		SHEET SIZE:
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DRAWN:	B. WHITE	SCALE:
PROJECT NUMBER:	IC22005	DRAWING NUMBER:
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		REVISION:
		BP