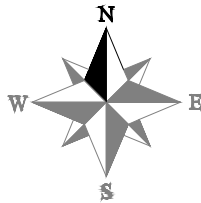
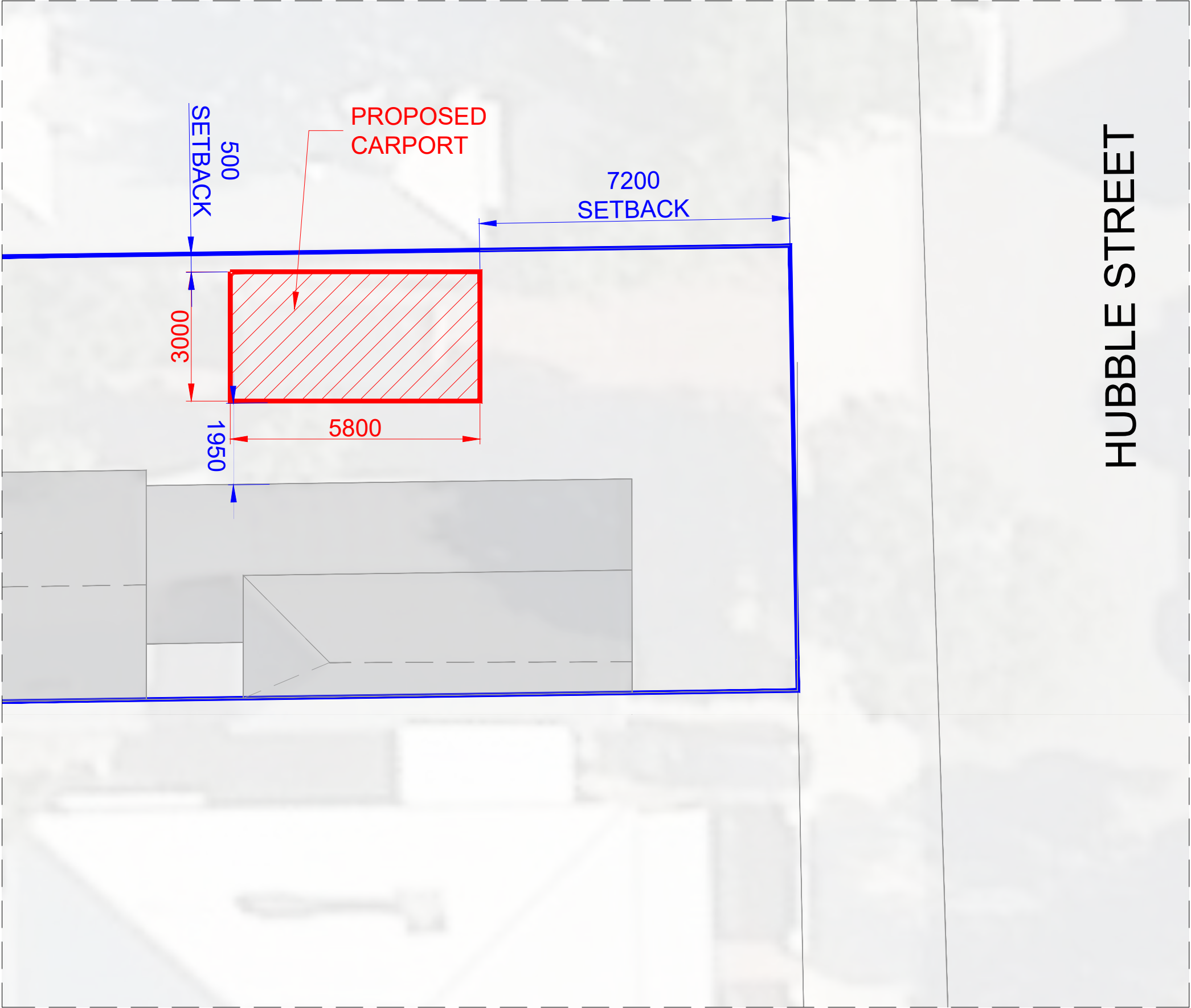


Drawing Schedule	
A/01	Overall Site Plan
A/02	Engineering Note
A/03	Carport Details



Note:
1. Existing NGL not disturb for proposed patios work.



OVERALL SITE PLAN
NTS

ENLARGE SITE PLAN
SCALE 1:100

DRAWING TITLE: OVERALL SITE PLAN		PROJECT: Proposed Carport at 31 Hubble Street, East Fremantle, Western Australia, 6158	© COPYRIGHT BY ENGINEERING ON DEMAND THIS DRAWING INCLUDING TEXT IS COPYRIGHT. NO PART OF THIS DRAWING MAY BE REPRODUCED BY ANY PROCESS WITHOUT THE SPECIFIC WRITTEN PERMISSION OF THE COPYRIGHT OWNER. THIS DRAWING IS PROVIDED SOLELY FOR THE PURPOSE OF THE TRANSACTION TO WHICH IT PERTAINS AND MUST NOT BE USED FOR ANY OTHER PURPOSE WHATSOEVER. IT MUST BE RETURNED TO THE COPYRIGHT OWNER IMMEDIATELY ON REQUEST.	Chong S. Liew, Steve M.Sc(struct) MIEAust CPEng NER RPEQ Signature: <i>Chong S. Liew</i> Date: 24-10-25 Registered on NER in the area(s) of Civil and Structural Engineering National Engineering Register Membership No: 4512871	ENGINEERING On Demand	AMENDMENTS:	
DRAWN: RLD	JOB NO: JB03206						
SCALE: AS SHOWN	DATE: 17/10/25						
						DWG. 1 OF 4	TOTAL DWG. 04

SITE PREPARATION

1. DO NOT USE COMPACTION METHODS THAT WILL CAUSE DAMAGE TO ADJACENT STRUCTURES. SELECTION OF METHODS SHALL BE BUILDER'S RESPONSIBILITY
2. ENSURE THAT THE SOIL STRATA BELOW PAD FOOTING FOR A DEPTH OF AT LEAST 750mm IS COMPACTED SAND WITHOUT ROOT, ROCK, ETC.
3. SAND PAD SHALL BE CLEAN, WELL GRADED FILL SAND, COMPACTED IN LAYERS NOT THICKER THAN 300mm.
4. FOOTING SHALL BE LOCATED CENTRALLY BENEATH WALLS AND COLUMNS UNLESS BOTHERWISE.
5. THE BOTTOM OF ALL FOOTING EXCAVATION SHALL BE CLEANED OUT, COMPACTED AND TESTED PRIOR TO PLACING REINFORCEMENT.
6. IF APPLICABLE, ADEQUATELY DEWATER CUT BASE OR FOUNDATIONS TO ACHIEVE AND MAINTAIN COMPACTION.
7. COHESIONLESS SOIL UNDER FOOTINGS AND SLABS ON GROUND SHALL BE COMPACTED TO A MINIMUM DEPTH 300mm IN UNDISTURBED IN SITU SOIL AND FOR THE FULL DEPTH OF ALL FILLING SAND TO GIVE A PENETRATION RESISTANCE OF 8 BLOWS MIN PER 300mm USING A STANDARD FALLING WEIGHT PENETROMETER OR ACHIEVE 95% MODIFIED MAXIMUM DRY DENSITY AS MEASURED BY FIELD TEST 5.3.1 AND LABORATORY TEST 5.5.1 OF AS 1289 FOR SANDS AND LABORATORY TEST 5.2.1 OF AS 1289.
8. COHESIVE SOIL UNDER FOOTING AND SLABS ON GROUND SHALL BE COMPACTED TO A MINIMUM DEPTH OF 300mm IN UNDISTURBED IN SITU SOIL TO ACHIEVE 95% MODIFIED MAXIMUM DENSITY AS MEASURED BY FIELD TEST 5.3.1 AND LABORATORY TEST 5.5.1 OF AS 1289.

CONCRETE / REINFORCEMENT

1. FOOTING CONCRETE TO BE OF 20MPa GRADE; REINFO. COVER OF 65(BOTTOM).
2. CONCRETE TO CONFORM WITH AS3600.
3. LAP ALL MESH AT LEAST ONE TRANSVERSE WIRE PLUS 25mm OR TO MANUFACTURE'S SPECIFICATION UNLESS OTHERWISE NOTED.
4. 0.2mm THICK WATERPROOF MEMBRANE TO BE PLACED UNDER ALL REINFORCED SLABS AND FOUNDATIONS, THE MEMBRANE TO BE LAPPED AND SEALED TO ENSURE MOISTURE BARRIER.
5. CONCRETE IS TO BE COMPLETED USING MECHANICAL VIBRATORS.
6. CONCRETE SHALL BE CONTINUOUSLY WATER CURED FOR 3 DAY AFTER POURING AND KEPT DAMP FOR NOT LESS THAN A FURTHER 4 DAYS A THEREAFTER.
7. FORMWORK AND ITS REMOVAL TO BE IN ACCORDANCE WITH AS. 3610.
8. DO NOT USE ADMIXTURES TO CONCRETE UNLESS SPECIFIED OR PRIOR APPROVER BY THE ENGINEER.
9. CONSTRUCTION TOLERANCES TO BE IN ACCORDANCE WITH AS3600 CL. 17.5.
10. SURFACE FINISHES TO BE IN ACCORDANCE WITH AS 3610.
11. CURING OF CONCRETE SHALL BE COMMENCED AS SOON AS POSSIBLE AFTER PLACING OR STRIPPING. REFER TO CLAUSE 19.1.5 AS3600.

REFERENCES

1. AS 2870 - RESIDENTIAL SLABS AND FOOTINGS AND SITE CLASSIFICATION.
2. AS 3972 - GENERAL PURPOSE AND BLENDED CEMENTS.
3. AS 1170 - LOADING CODE.
4. AS 4055 - WIND LOAD FOR HOUSING.
5. AS/NZS 4671 - REINFORCEMENT.
6. AS4100 - STEEL STRUCTURES
7. AS4600 - COLD FORMED STEEL STRUCTURES
8. AS3600 - CONCRETE STRUCTURES
9. NCC BCA 2022

FABRICATION AND ERECTION

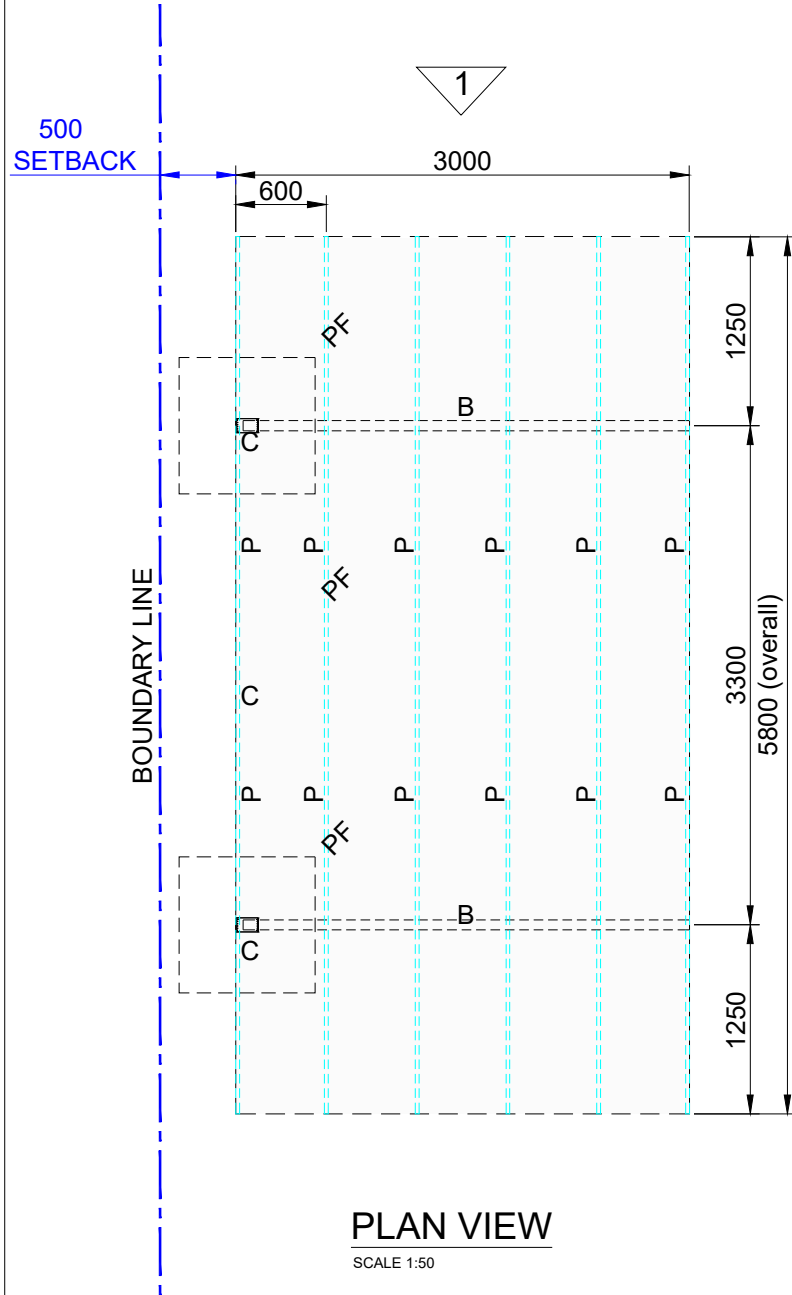
1. ALL STEELWORK TO AS4100
2. REPAIR ALL WELDS WITH COLD GALVANISED PAINT
3. SEAL ALL ENDS OF RHS AND SHS.
4. ROOF CLADDING TO BE FIXED TO PURLINS WITH #12-10x39 TEKS @ EVERY CREST.

DESIGN CRITERIA	
WIND CLASSIFICATION	N2
REGION	A1
COMMON NOTATION	W33
TERRAIN CATEGORY	2
SITE CLASSIFICATION DESIGN BASIS(AS2870)	A / S

Local Authority: Town of East Fremantle

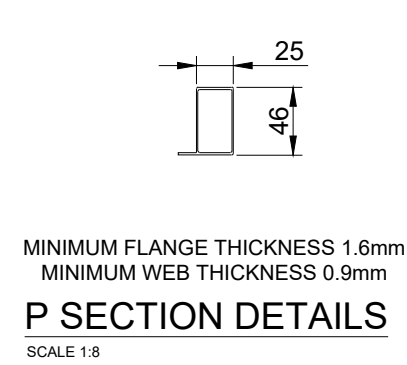
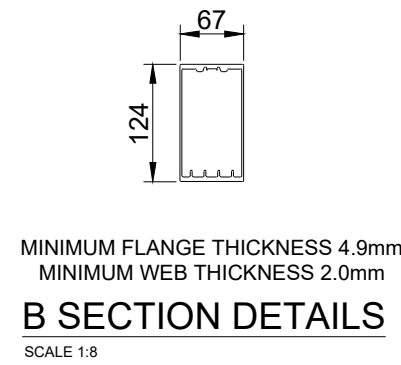
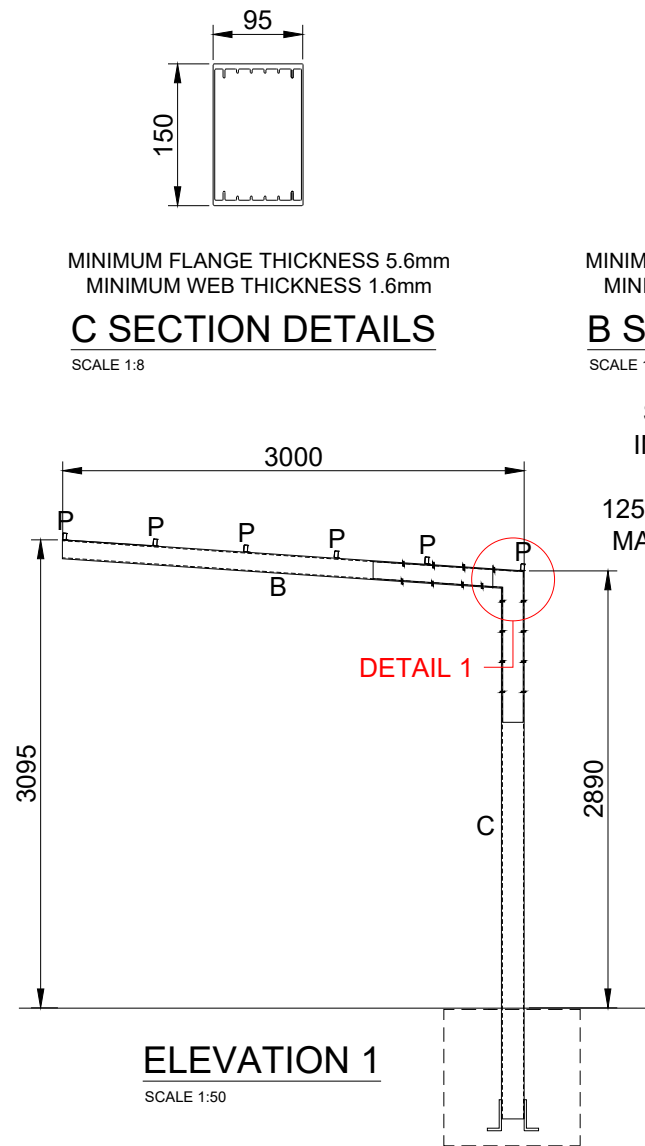
CONCRETE DETAIL				
ELEMENT	CONCRETE STRENGTH f_c (Mpa)	CEMENT TYPE	REINFORCEMENT	CURING TIME DAYS
FOOTING	20	GB OR GP	NIL	7

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ENGINEERING NOTES		Proposed Carport at 31 Hubble Street, East Fremantle, Western Australia, 6158									
DRAWN: RLD	JOB NO: JB03206										
SCALE: SHOWN	DATE: 17/10/25									DWG. 02	TOTAL DWG. 03

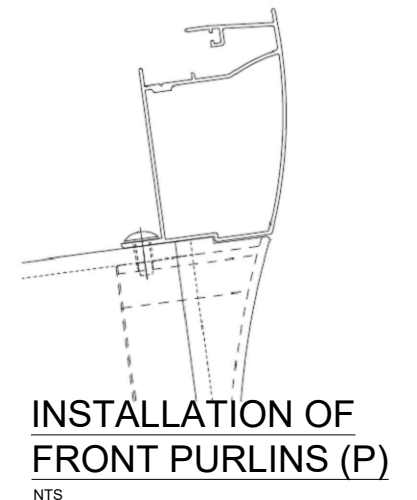
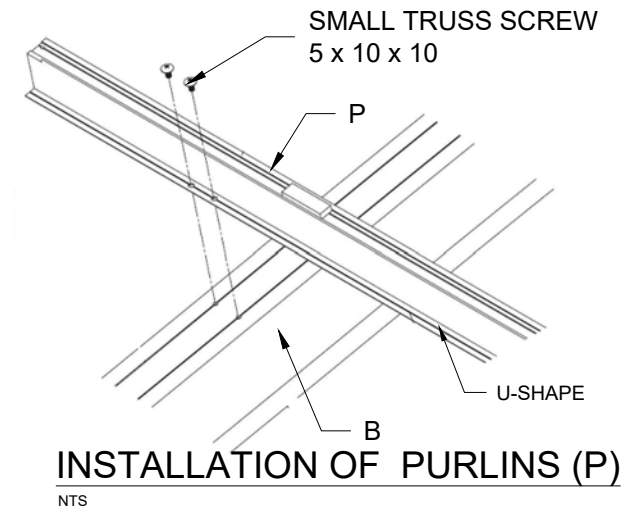
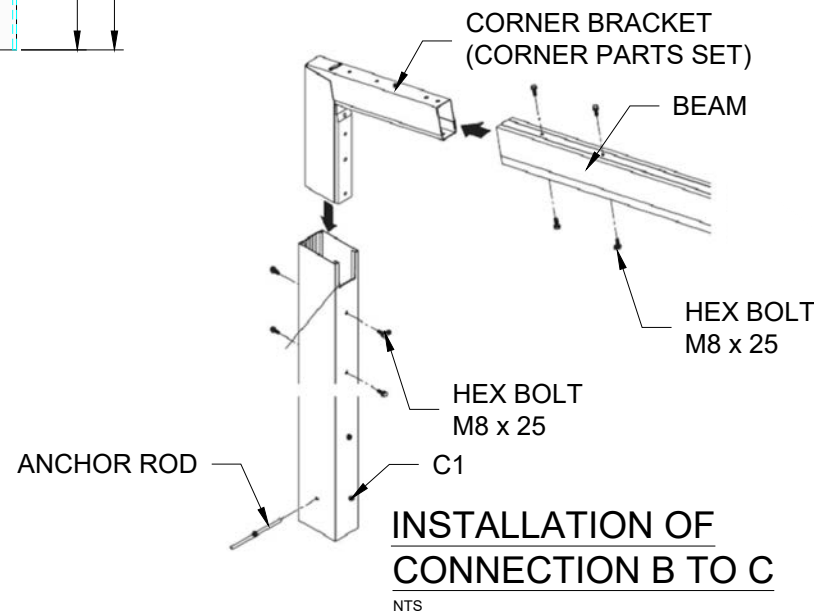
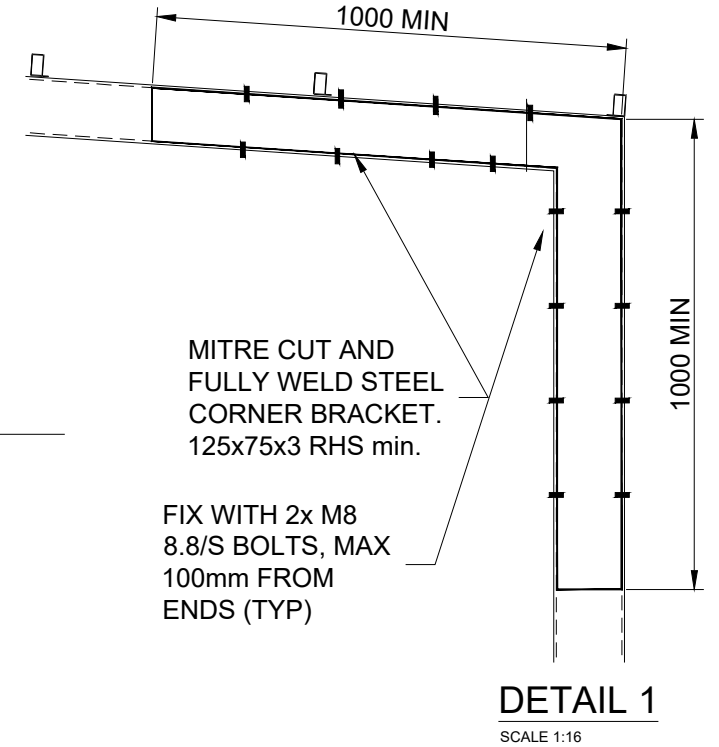
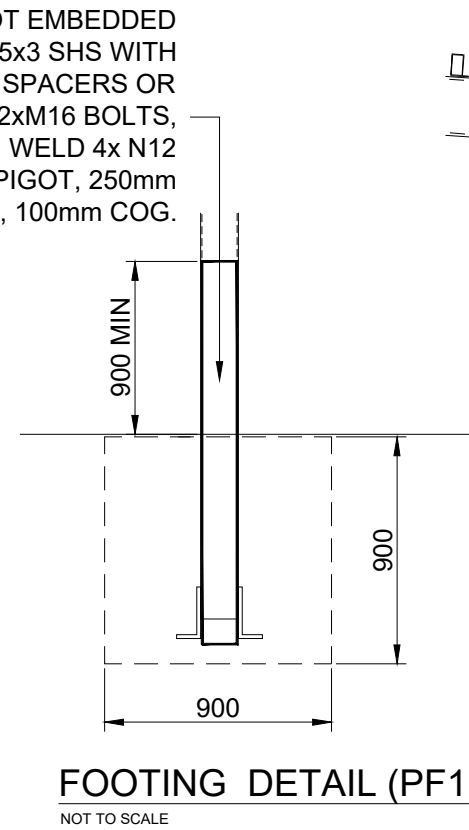


ENGINEER NOTES

I DECLARE COMPUTATION RESULTS SHOWN
RAFTERs DEFLECTION AT TIP ~25mm.
ACCEPTANCE OF THIS SIGNED OFF
CERTIFICATION INCLUDING ANTICIPATED
BOWING OF SUBJECT STRUCTURE.



STEEL COLUMN SPIGOT EMBEDDED INTO FOOTING (min 2/65x3 SHS WITH Ø16mm WELDED ROD SPACERS OR 125PFC). BOLT TO C1 VIA 2xM16 BOLTS, MAX 100mm FROM ENDS. WELD 4x N12 LUGS TO BASE OF SPIGOT, 250mm LONG, 100mm COG.



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DRAWN: RLD	JOB NO: JB03206							
SCALE: AS SHOWN	DATE: 17/10/25						DWG. 3 OF 3	TOTAL DWG. 03