



CANTAPORT AUSTRALIA - KCR-PJR SERIES

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REV	BY	ISSUE / REVISION DESCRIPTION	DATE	DRAWN	Ashley List
0	ASL	ISSUE	01/12/16	DESIGNED	Ashley List & Russell White
				REVIEWED	Matthew Ryan
				DATE	1 December 2016
				APPROVED BY:	

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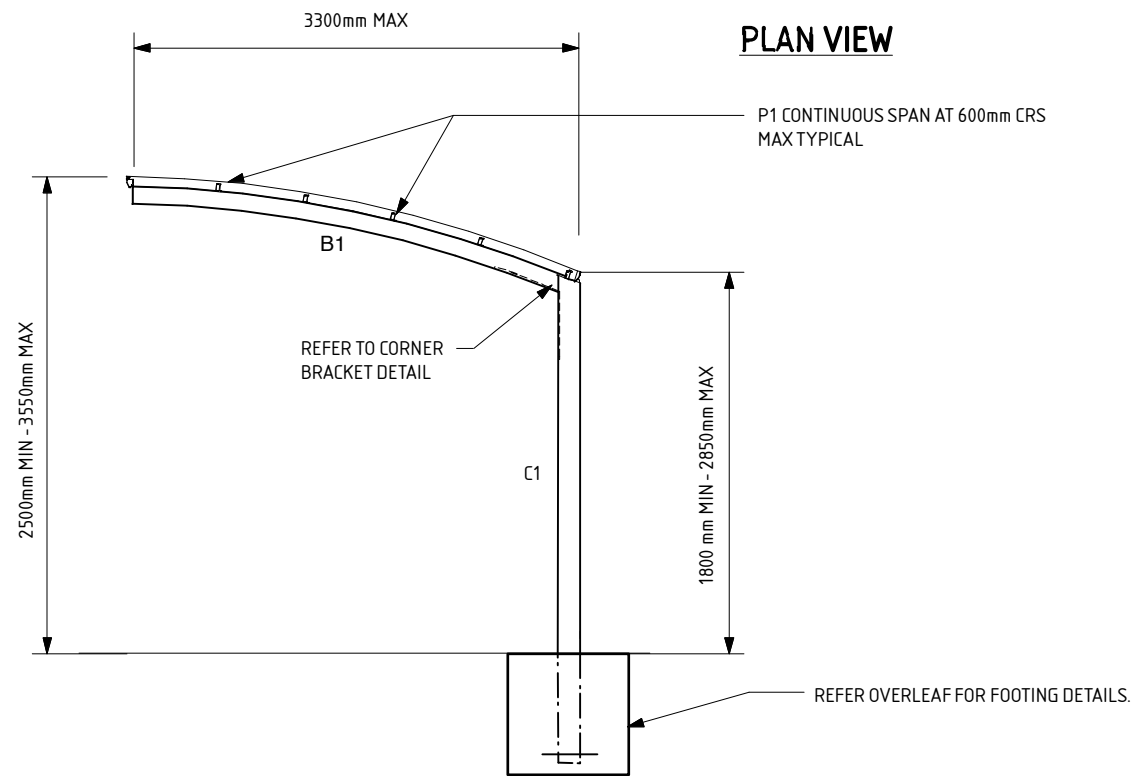
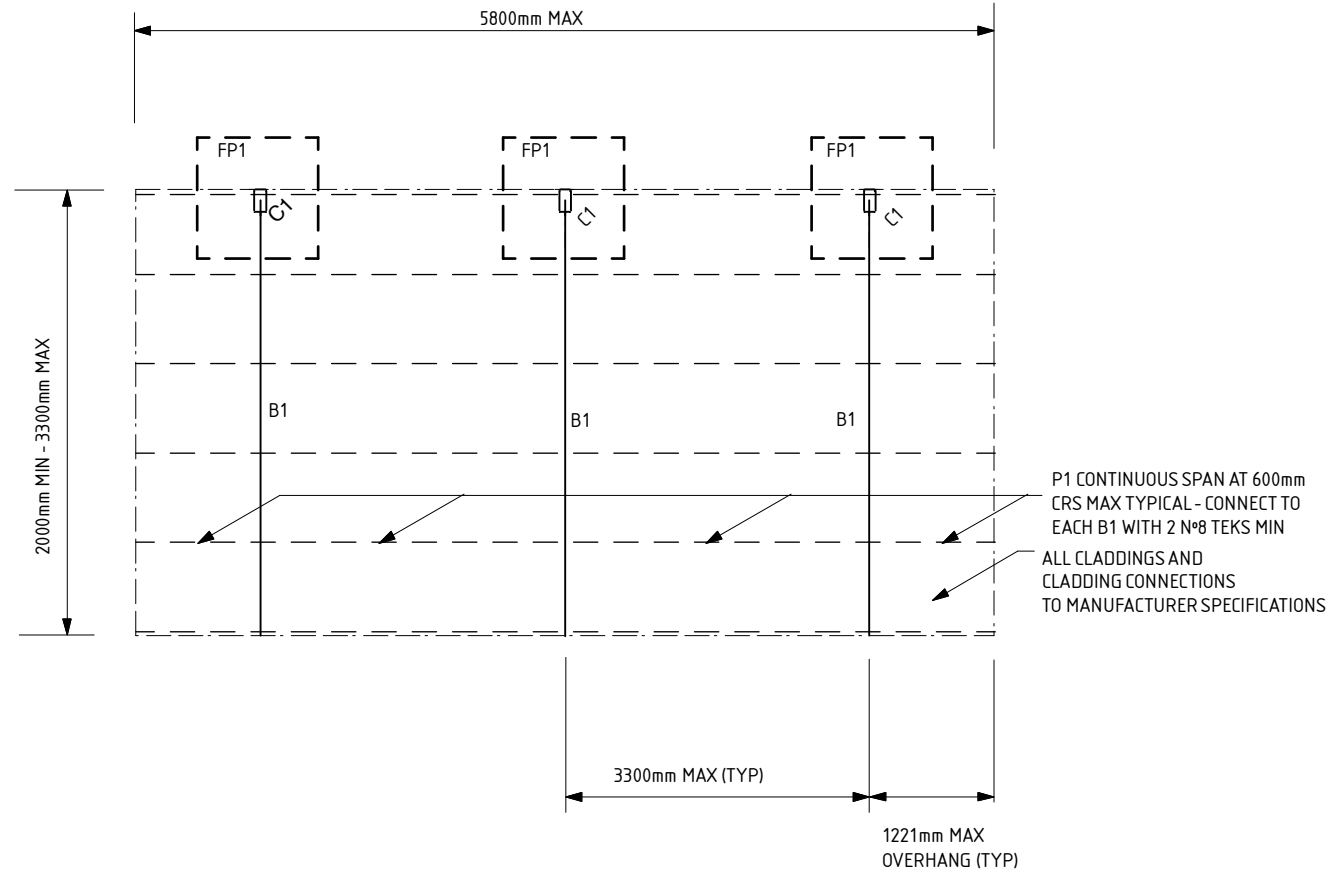
STRUCterre CONSULTING ENGINEERS (VIC) Pty Ltd (ABN 32 155 811 957)
GROUND FLOOR, BUILDING 2, 630 MITCHAM ROAD, MITCHAM VIC. 3132
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PROJECT No.	KCR(PJR)01	PROJECT	KCR(PJR) CERTIFICATION
SCALE		CLIENT	CANTAPORT AUSTRALIA
SHEET	SIZE A3		

CANTAPORT SHADING SYSTEMS KCR SERIES
(Wind Region A, Terrain Category 2,3 & 4)

NOTE:

- IT IS RESPONSIBILITY OF BUILDER TO NOTIFY THE OWNER THAT NO LIVE POINT LOADING IS ALLOWED ON P1 PURLIN.
- COLUMNS ARE NOT DESIGNED FOR VEHICLE IMPACT LOAD.
- THESE DETAILS ARE DESIGNED FOR THE SITE ADDRESS SHOWN IN THE TITLE BLOCK BELOW ONLY



SPECIFICATION

- DESIGN CRITERIA**
 - a) WIND REGION A. TERRAIN CATEGORY 2, 3 OR 4. IMPORTANCE LEVEL 1 $V_r = 41m/s$
 - b) CLASS A, S, M OR H SITES TO AS2870. MINIMUM ALLOWABLE SOIL BEARING CAPACITY 100 kPa.
 - c) DEAD LOAD DEFLECTIONS LIMITED TO SPAN/300 FOR RAFTERS AND SPAN/300 FOR PURLINS.
 - d) ROOF CLADDING TO BE FIXED TO MANUFACTURER'S SPECIFICATIONS. FLASHINGS AND GUTTERS TO BE FIXED TO BUILDER'S DETAILS.
 - e) TOTAL DEAD LOAD 0.1 kPa. LIVE LOAD 0.25KPa. POINT LOADS NOT RECOMMENDED. IT IS THE BUILDER'S RESPONSIBILITY TO NOTIFY THE OWNER THAT THE CANOPY PURLINS (P1) ARE NOT ABLE TO CARRY ANY LIVE POINT LOADS.
 - f) CANOPY MUST NOT BE BLOCKED MORE THAN 2/3 OF THE CANOPY HEIGHT IN THE EVENT OF PEAK WIND LOADING. CANOPY CAN BE BLOCKED (BY WALLS OR HOUSE) ON ONE SIDE MAXIMUM.
 - g) SNOW LOAD IS NOT CONSIDERED IN THIS DESIGN. PLEASE REFER BACK TO THIS OFFICE IF SNOW LOAD MUST BE CONSIDERED.
 - h) MAX ROOF PITCH - 7.5°
- CONCRETE**
 - a) CONCRETE MINIMUM 20MPa, POURED INSITU.
- FABRICATION AND ERECTION**
 - a) ALL STEEL WORK TO AS4100.
 - b) ALL ALUMINIUM WORK TO AS1664
 - c) REPAIR ALL WELDS WITH COLD GALVANIZING PAINT.
 - d) SEAL ALL OPEN ENDS OF RHS SECTIONS.
 - e) ALL STEEL AND ALUMINIUM WORK COATINGS TO SUIT EXPOSURE CLASSIFICATION.
 - f) ALL WORK GENERALLY TO BUILDING CODE OF AUSTRALIA AND ALL RELEVANT BUILDING STANDARDS AND CODES.
 - g) ALL SCREWS SIZES AS PER DETAILS. (COATING TO SUIT EXPOSURE CLASSIFICATION)
 - h) ALL STEELWORK (INCLUDING FASTENERS) TO BE TREATED IN ACCORDANCE WITH TABLE 3.4.4.2 "PROTECTIVE COATINGS FOR STEELWORK" OF THE BUILDING CODE OF AUSTRALIA.
 - i) C1 COLUMNS, B1 BEAMS AND P1 PURLINS TO BE 6063 T6 ALUMINIUM WITH MINIMUM 6 180MPa COMPRESSION YIELD STRESS CAPACITY. CORNER BRACKET TO BE STEEL WITH MINIMUM GRADE OF 350MPa.
- THIS DETAIL IS ONLY RELEVANT FOR PROJECTS WHICH MATCH THE ARRANGEMENTS SHOWN. IT IS THE BUILDER'S RESPONSIBILITY TO ENSURE THAT ANY MANUFACTURER SPECIFIC REQUIREMENTS ARE MET.**
- STRUCterre CONSULTING GROUP TAKES NO RESPONSIBILITY FOR THE STRUCTURAL INTEGRITY OR THE IN-SERVICE PERFORMANCE OF THIS STRUCTURE UNLESS WE ARE INVITED TO CARRY OUT AN AS-CONSTRUCTED INSPECTION OF THE BUILT STRUCTURE AND PROVIDE CERTIFICATION THAT IT HAS BEEN BUILT IN ACCORDANCE WITH THIS SPECIFICATION.**

PLAN VIEW

SIDE ELEVATION

Engineering specifications for council requirements link
Your Certified Document can be downloaded from this link:
<http://r.structerre.com.au/doc/1-2-063639186465-0010080-28659-000345051932601-4496657729>

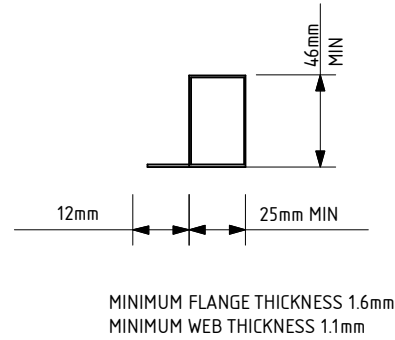
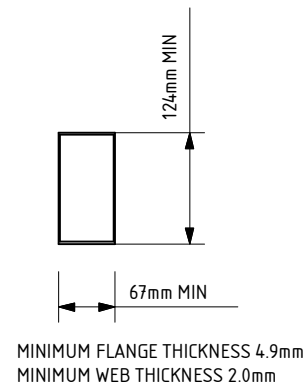
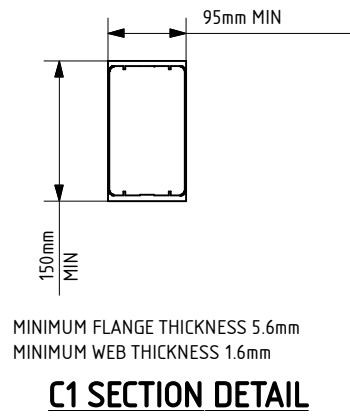
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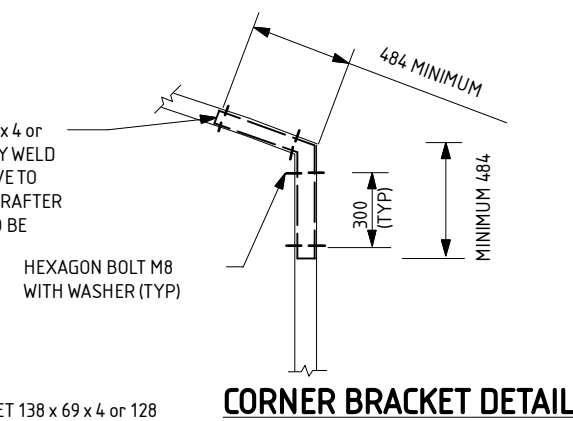
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PROJECT No.	KCR(PJR)01	PROJECT	KCR(PJR) CERTIFICATION
SCALE	1:100	CLIENT	CANTAPORT AUSTRALIA
SHEET	S101	SIZE	A3

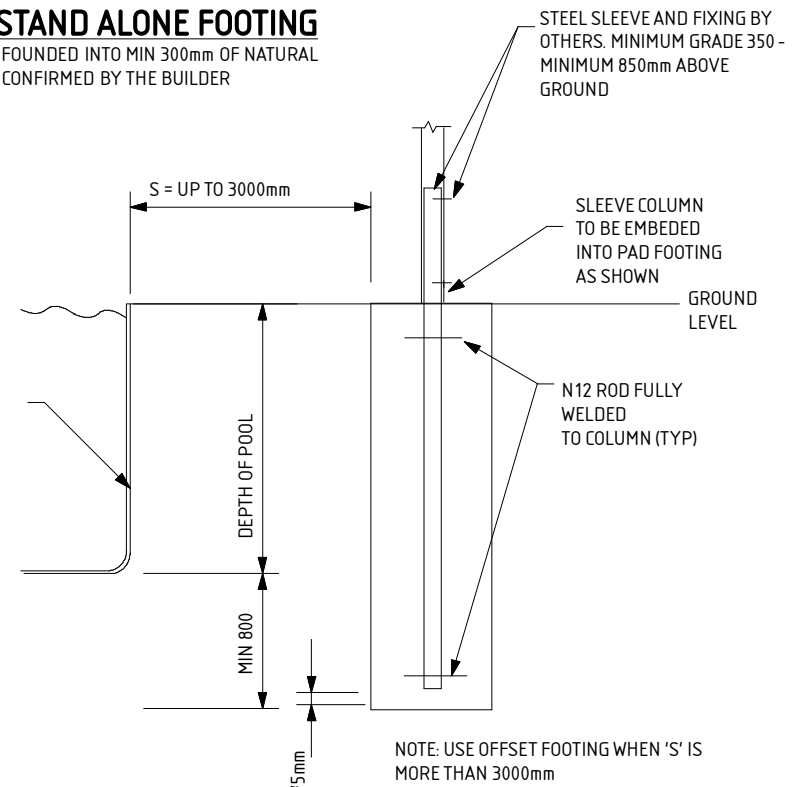
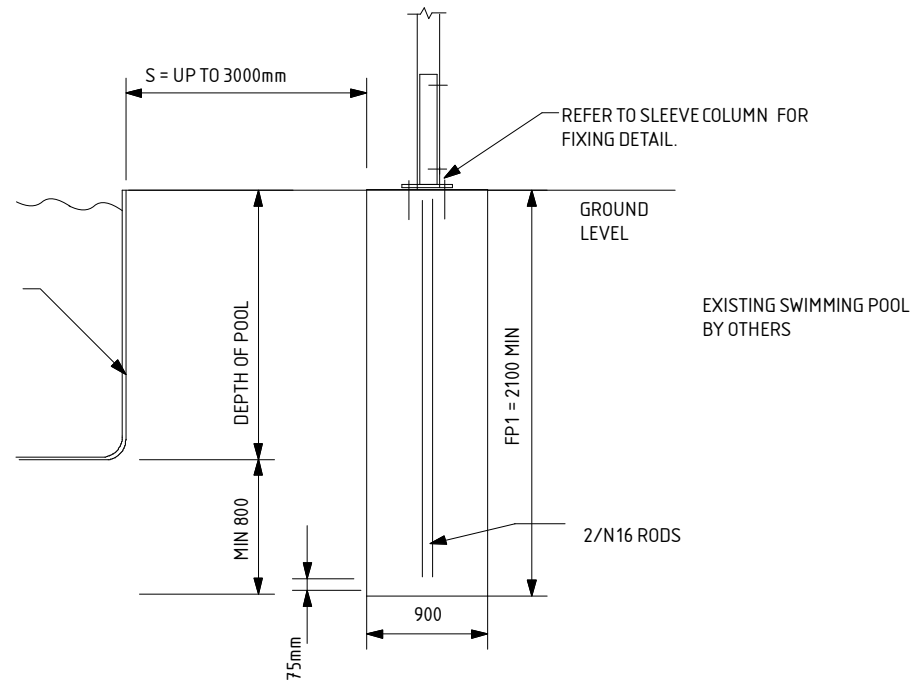
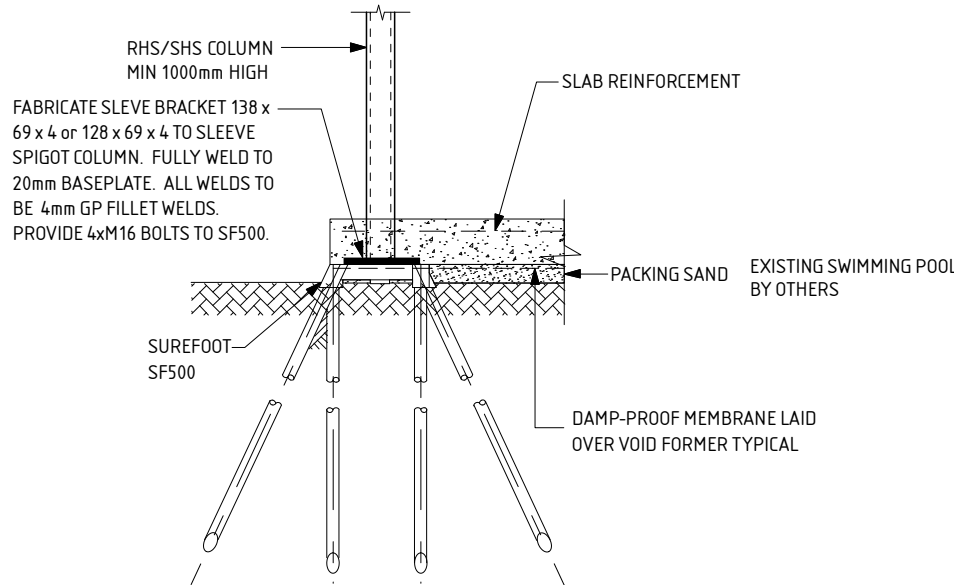
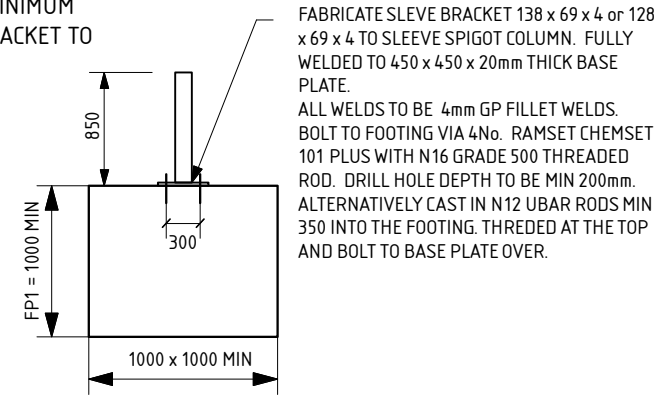
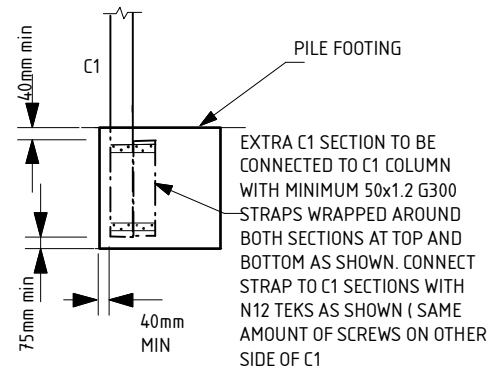
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FABRICATE SLEEVE BRACKET 138 x 69 x 4 or 128 x 69 x 4 SLEEVE TO COLUMN FULLY WELD AT JOINT. FULLY WELD COLUMN SLEEVE TO 12PL. FULLY WELD 100 x 50 x 4.0 RHS RAFTER BEAM TO CLEAT PLATE. ALL WELDS TO BE 4mm GP FILLET WELDS.



MATERIALS: C1 COLUMNS, P1 PURLINS AND B1 BEAMS TO BE 6063 T6 ALUMINIUM WITH MINIMUM 180MPa COMPRESSION YIELD STRESS CAPACITY UNLESS NOTED OTHERWISE. CORNER BRACKET TO BE STEEL WITH MINIMUM GRADE OF 350MPa. ALL DIMENSIONS IN MILLIMETRES.



NOTES:
1. PINS MUST HIT REFUSAL, ROCK OR EXTEND MIN 1800mm INTO NATURAL OCCURRING CLAY.

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PROJECT No.	KCR(PJR)01	PROJECT	KCR(PJR) CERTIFICATION
SCALE	1:20	CLIENT	CANTAPORT AUSTRALIA
SHEET	S102	SIZE	A3

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