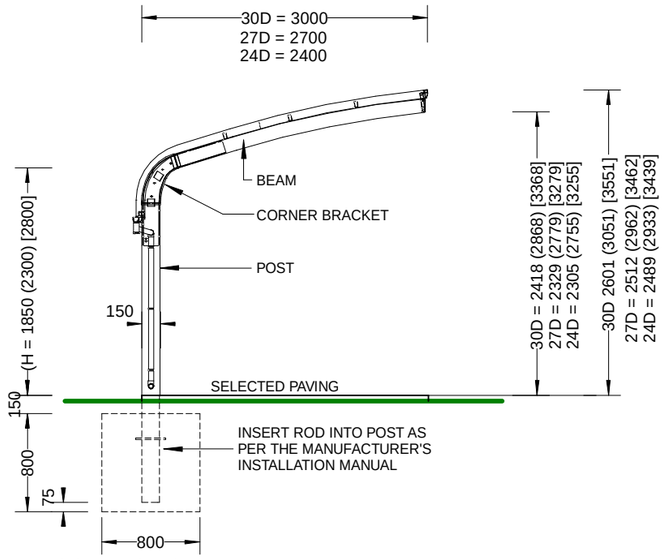
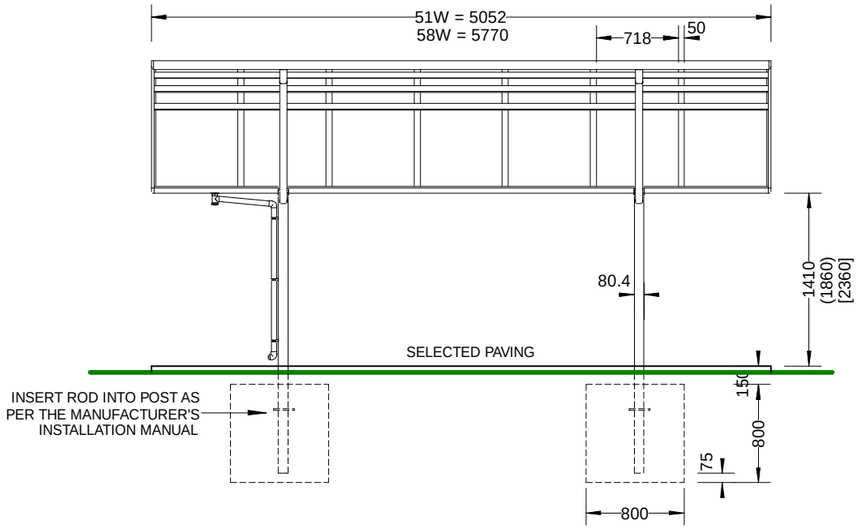
CANTAPORT THE SCIENCE OF CANTILEVERING

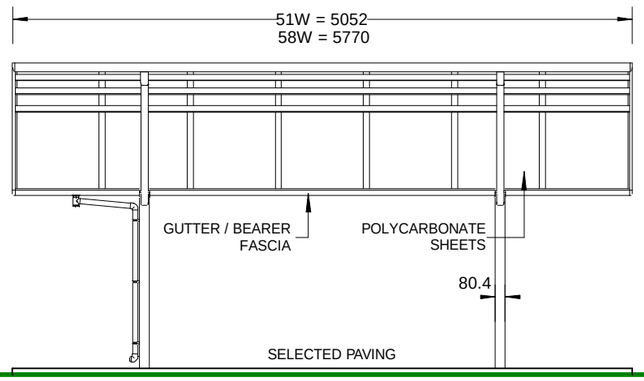


R-CONNECTION SECTIONAL ELEVATION

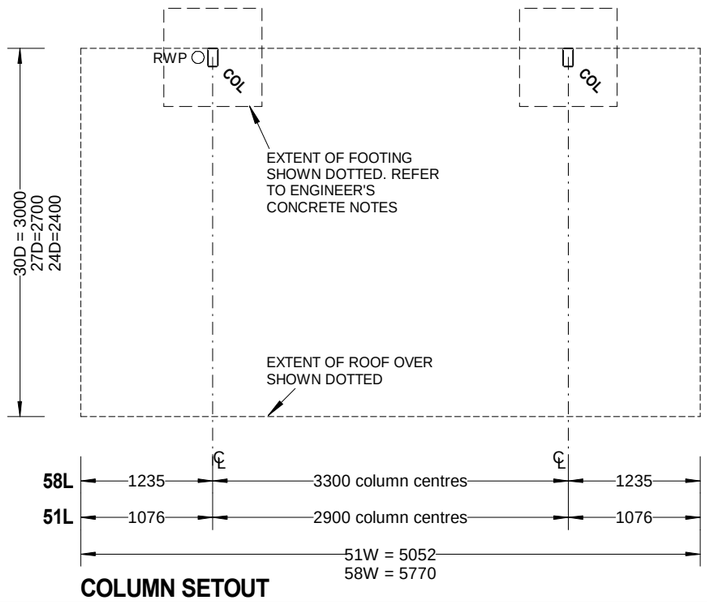


DESIGN CRITERIA

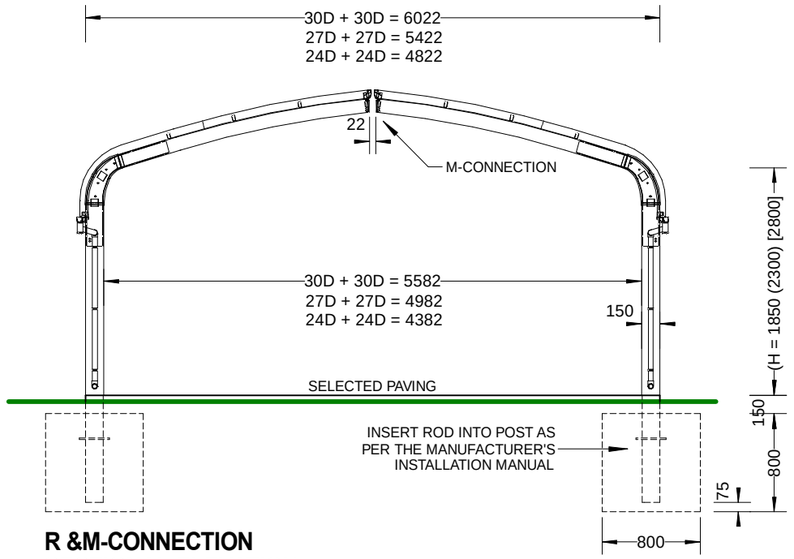
REGION A	=	A
TERRAIN CATEGORY	=	2 AND 3
VsitB	=	41 m/s
Pultimate	=	0.835 m/s
Pserviceability	=	0.68 m/s
ROOF LOAD WIDTH	=	2.55m



SIDE ELEVATION



COLUMN SETOUT



R &M-CONNECTION SECTIONAL ELEVATION

BEAM DETAILS		DEPTH		
HEIGHT	LENGTH	D 24	D 27	D 30
H19	L : 51 L : 58	DE6941 DE6941	DE6941 DE6942	DE6942 DE6942
H23	L : 51 L : 58	DE6941 DE6941	DE6941 DE6942	DE6942 DE6942
H28	L : 51 L : 58	DE6941 DE6941	DE6941 DE6942	DE6942 DE6942
POST DETAILS		**DEPTH**		
HEIGHT	**LENGTH**	**D 24**	**D 27**	**D 30**
H23	L : 51 L : 58	DE6938 DE6939	DE6938 DE6939	DE6939 DE6939

ENGINEER'S DETAILS

KDR SERIES

General Notes :

1. Engineering drawings to be read in conjuction with all architectural and other specification drawings.
2. Any discrepancies shall be referred to the engineer for confirmation prior to commencing construction.
3. For setting out dimensions refer to architectural drawings. No dimensions to be obtained by scaling from drawings.
4. All dimensions and levels to be checked on site prior to commencing any work.
5. All work to comply with the latest Australian Standards and Buildng Codes of Australia
6. Installation to be installed in accordance with manufacturer's printed assemling manual.

Foundations :

1. All soil testing to be carried out by the enginner soil type and conditions.
2. Remove all topsoil containing vegetation & deletrious fill materail from the building site.

Concrete Notes :

1. All concrete shall be in accordance with the concrete structure code AS 3600.
2. Blended cement (type GB) shall conform with AS 3972
3. Water must not be added to the mix to increase the slump at any time.
4. Concrete shall be supplied by an approved pre-mixed company and conform to the following unless noted otherwise :

	GRADE	SLUMP	MAX. AGG.
FOOTINGS	N20	80mm	30mm

CARPORT TYPE	LENGTH	DEPTH	HEIGHT	FOOTING SIZE
KDR SINGLE	5057	3000	2310	800 x 800 x 800
KDR SINGLE	5775	3000	2310	800 x 800 x 800
KDR M CONNECT	5057	6000	2310	700 x 700 x 700
KDR M CONNECT	5775	6000	2310	700 x 700 x 700
KDR MINI	5057	2700	2310	800 x 800 x 800
KDR MINI	5775	2700	2310	800 x 800 x 800
KDR MINI	5057	2400	2310	700 x 700 x 700
KDR MINI	5775	2400	2310	700 x 700 x 700

METAL WORK NOTES :

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH
   - AS/NZS 1866:1977-ALUMINIUM AND ALUMINIUM ALLOYS
   - AS 1400-1998 STEEL STRUCTURES
   -AS/NZS 1665:2004 - WELDING OF ALUMINIUM STRUCTURES
   - AS 1554.1 PT1 - WELDING OF STEEL STRUCTURES
2. ALL HOLLOW SECTIONS TO BE FULLY SEALED WITH 2mm PLATES, MINIMUM, U.N.O
3. ERECTION OF METAL WORK SHALL BE COMMENCED WITH BRACED BAY AND ERECTOR SHALL PROVIDE ALL TEMPORARY BRACING REQUIRED FOR THE SAFE COMPLETION OF THE WORK.
4. ALL BOLTS/SCREWS/WASHERS TYPES AND THEIR TREATMENT OF, IS TO COMPLY WITH ALL RELEVENT AUSTRALIAN STANDARDS

CERTIFICATION OF CANTAPORT KDR-SERIES 5130 H23

THE CANTAPORT IS CERTIFIED FOR REGION A & TERRAIN CATEGORY 2 & 3. THE CANTAPORT IS DESIGNED ONLY WHEN THE POST IS BUILT IN THE FOOTINGS, BUT NOT ON CONCRETE SURFACES. THE CANTAPORT STRUCTURE IS STUCTURALLY CAPABLE OF SUPPORTING THE DESIGN LOADS IN ACCORDANCE WITH ALL RELEVENT AUSTRALIAN STANDARDS.

ROBERT DAVID
(Managing Director)
BE (Civil & Structural) MIE.Aust.CPEng NPER
Chartered Professional Engineer
Membership No. 259960
Design Consulting Engineer
EMail : robert@abewa.com.au
Web : www.abewa.com.au

cantaport

www.cantaport.com.au