

SECTION A-A

N1, TERRAIN CATEGORY 3 WIND AREAS

STRUCTURE SPAN Maximum	RAFTER & BEARER SIZE	RAFTER SPACING Maximum	POST SPACING Maximum
4.0m	A	3.0m	3.5m
6.5m	B	1.5m	3.0m
6.5m	C	3.0m	3.0m
8.0m	B	1.0m	3.0m
8.0m	C	2.0m	3.5m
10.0m	D	1.5m	3.5m
12.0m	D	1.0m	3.5m
12.0m	E	1.2m	3.5m
14.0m	E	1.0m	3.5m

N2, TERRAIN CATEGORY 2 WIND AREAS

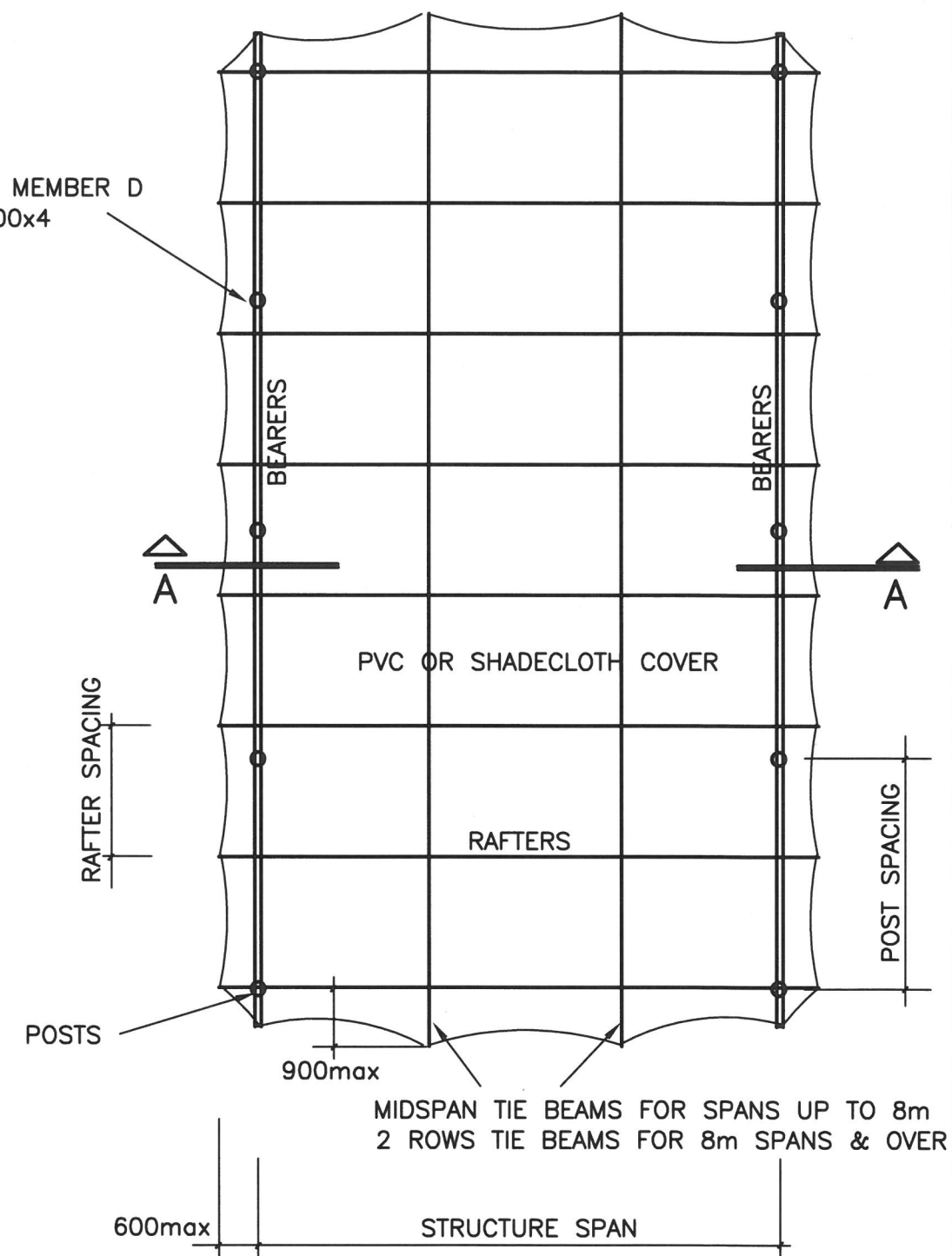
STRUCTURE SPAN Maximum	RAFTER & BEARER SIZE	RAFTER SPACING Maximum	POST SPACING Maximum
4.0m	A	2.5m	3.5m
6.5m	B	1.2m	3.0m
6.5m	C	1.8m	3.0m
6.5m	D	2.5m	3.0m
8.0m	C	1.5m	3.0m
8.0m	D	1.8m	3.5m
10.0m	D	1.2m	3.0m
12.0m	E	1.0m	3.0m

FOOTING DEPTHS - 1200mm for
N1, Terrain Cat 3 wind areas

FOOTING DEPTHS - 1600mm for
N2, Terrain Cat 2 wind areas

MEMBER CONNECTIONS

Provide Triax alloy connectors at
all member connections
2/6mm Trilobe screws to each
side of member
M10 bolts at base of connectors



PLAN

MEMBER SIZES

MEMBER	Grade C250 steel	Grade C350 steel
A	CHS 60.3x3.6	CHS 60.3x2.3
B	CHS 60.3x4.5	CHS 60.3x2.9
C	CHS 88.9x4.0	CHS 88.9x2.6
D	CHS 88.9x5.0	CHS 88.9x3.2
E	CHS 88.9x5.9	CHS 88.9x4.8

**NOTE: DESIGN IS NOT SITE SPECIFIC
ENGINEER CERTIFICATION IS REQUIRED FOR EACH STRUCTURE**
WIND DESIGN LOADS - Not designed to support snow loads
N1 & N2 - AS 4055
REGION A, TERRAIN CATEGORIES 2 & 3 - AS/NZS 1170.2



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SCALE 1:100, 1:10

DATE 29.6.18

DRAWN TBH

DESIGNED TBH

APPROVED

TRIAx SYSTEMS PTY LTD
STEEL FRAMING FOR CURVED ROOF
SHADE STRUCTURES
FRAMING & FOOTING DETAILS

DRAWING NUMBER

105107-1

ISSUE