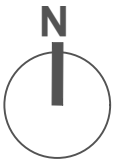
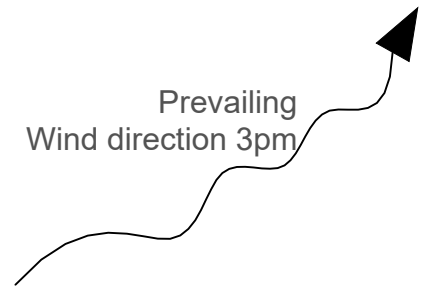
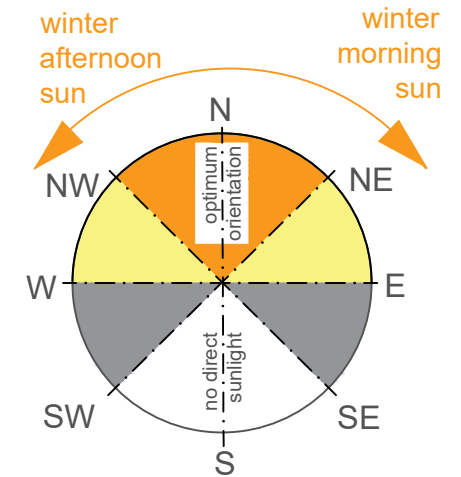
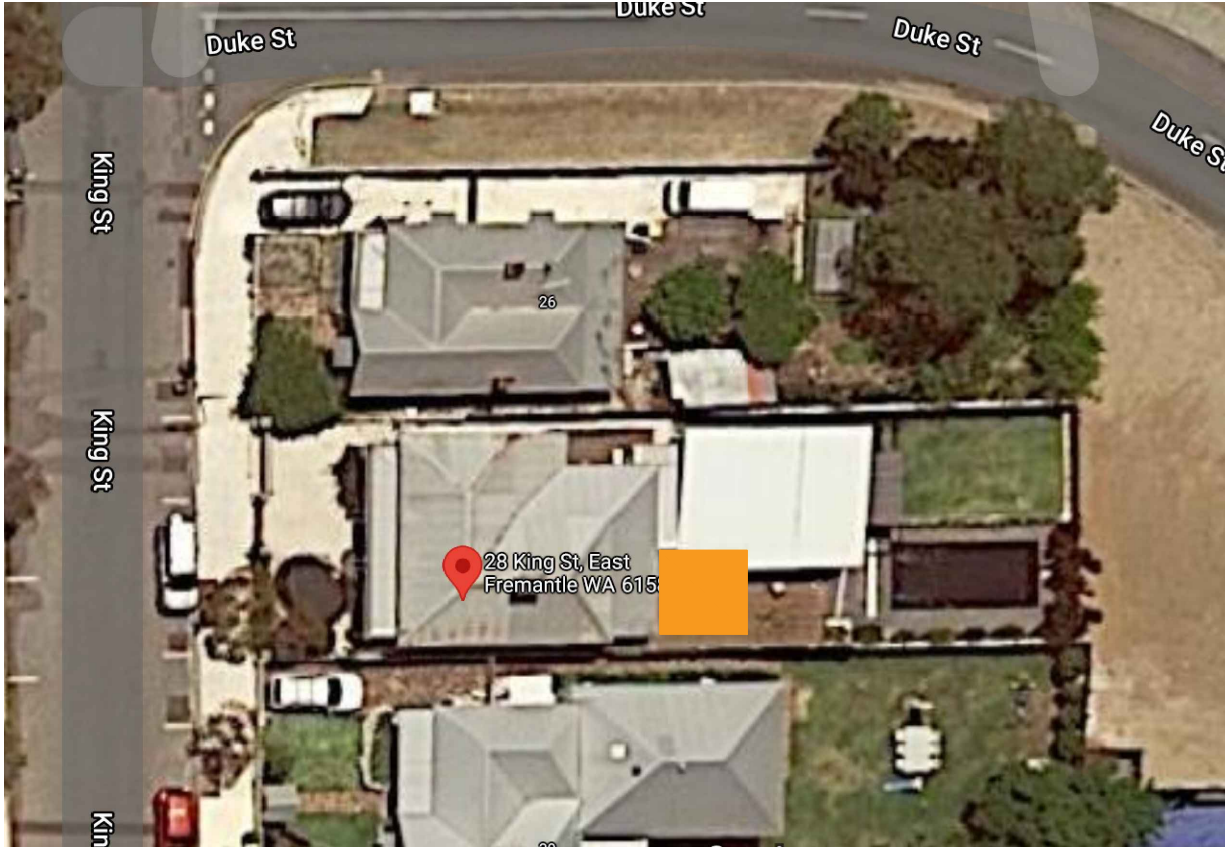


DRAWING LIST:

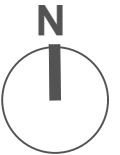
A1	Site plan
A2	Roof Plan
A3	Details
A4	Span table
A5	Roof frame to post connection
A6	Beam span



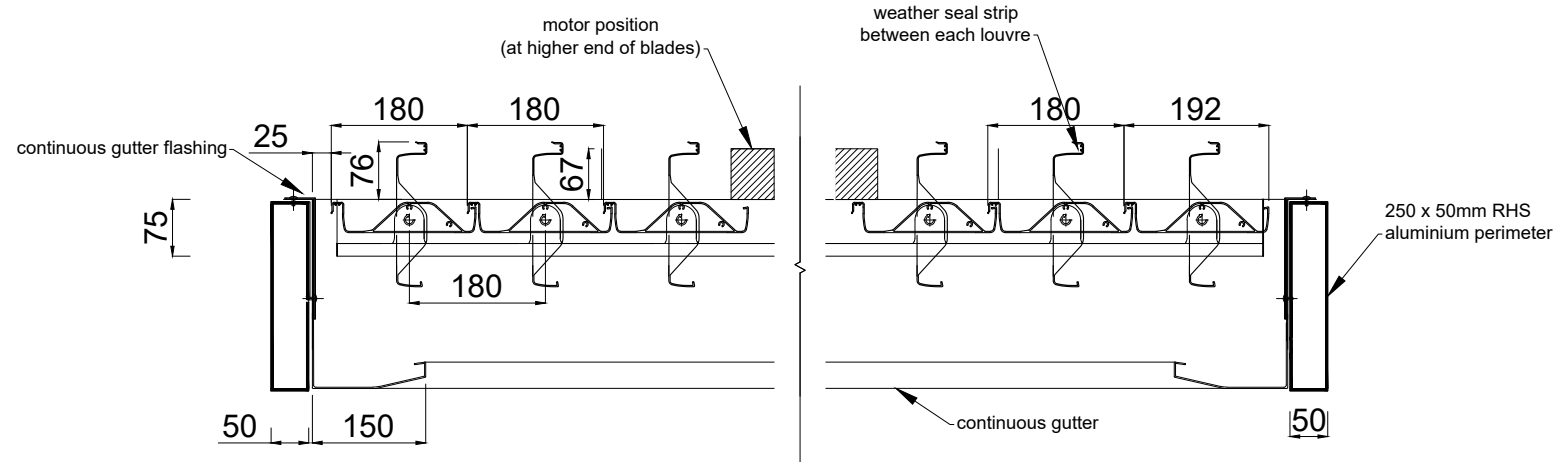
web	www.shadingtechnologies.com.au
mail	sales@shadingtechnologies.com.au
address	Unit 3/8 Murphy Street, O'Connor, WA 6163



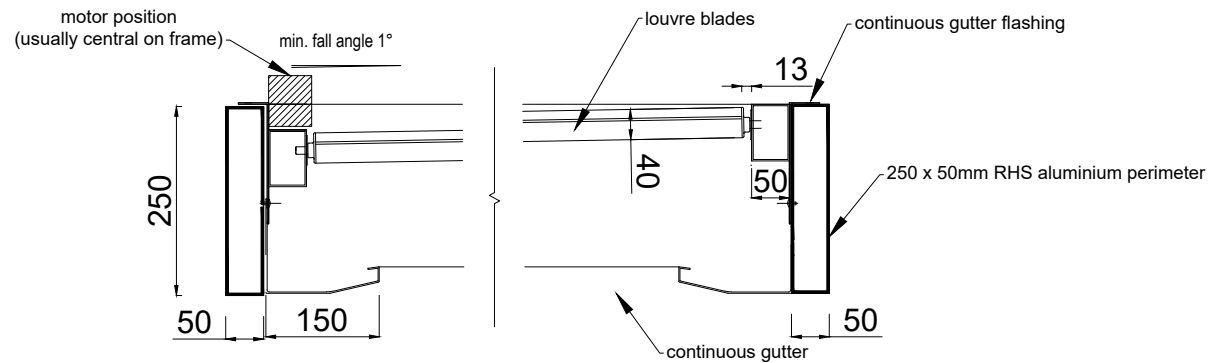
<div><div><div>W</div><div>S</div><div>T</div><div>A</div></div><div>SHADING TECHNOLOGIES</div><div>LUXURY ECO SHADES</div></div> <div><div>web</div><div>mail</div><div>address</div></div> <div><div>www.shadingtechnologies.com.au</div><div>sales@shadingtechnologies.com.au</div><div>Unit 3/8 Murphy Street, O'Connor, WA 6163</div></div>	PROJECT TITLE/CLIENT 28 KING STREET, EAST FREMANTLE, WA, AUSTRALIA	OPERABLE ROOF	DATE 28/04/2021	DRAWING NUMBER A1.0	DRAWN KB				
		DRAWING TITLE SITE PLAN	SCALE 1:250 / A4	REVISION 0	CHECKED MN				
						REV	DATE	DESCRIPTION	DWN





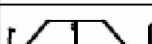
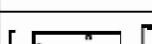
SECTION 1 - THROUGH DELTA LOUVRE BLADES




SECTION 2 - THROUGH BLADE SPAN



All *kudos* opening roofs: Tables for calculating louvre spans & beam spans.
(refer to Technical information - page 1 for how to use these tables)

	Wind zone	Self weight	Low	Med	High	Very High
	Ultimate design factored wind speed at building		115 km/h 32 m/s	133 km/h 37 m/s	158 km/h 44 m/s	198 km/h 55 m/s
	ultimate limit state loads (kpa)	downforce	+0.92	+1.23	+1.74	+2.24
		uplift	-1.15	-1.53	-2.17	-2.80
	Wind zone	Self weight	Low	Med	High	Very High
	Delta Roof Blade	4300mm	4300mm	4300mm	4000mm	3600mm
	Delta Flat Roof Blade	4300mm	4300mm	4300mm	4200mm	4000mm
	Delta Flat H/D Roof Blade	4500mm	4500mm	4500mm	4500mm	4000mm
	Titan Roof Blade	4100mm	4100mm	4100mm	4000mm	3600mm

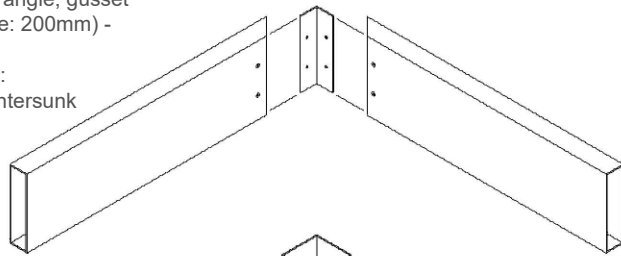
BLADE LENGTH 4360mm

 SHADING TECHNOLOGIES LUXURY ECO SHADES	PROJECT TITLE/CLIENT 28 KING STREET, EAST FREMANTLE, WA, AUSTRALIA	SPAN TABLE	DATE 28/04/2021	DRAWING NUMBER A4.0	DRAWN KB				
		DRAWING TITLE DETAILS	SCALE - / A4	REVISION 0	CHECKED MN				
						REV	DATE	DESCRIPTION	DWN

web
mail
address

www.shadingtechnologies.com.au
sales@shadingtechnologies.com.au
Unit 3/8 Murphy Street, O'Connor, WA 6163

Corner gusset:
50x50x3mm aluminium angle, gusset
height = (height of frame: 200mm) -
(6mm combined frame
thickness) secured with:
4x10gauge, 25mm countersunk
self-tapping screws.



Roof corner post:
100x100x3mm
or:
50x50x3mm,
75x50x3mm,
75x75x3mm,
100x50x3mm.



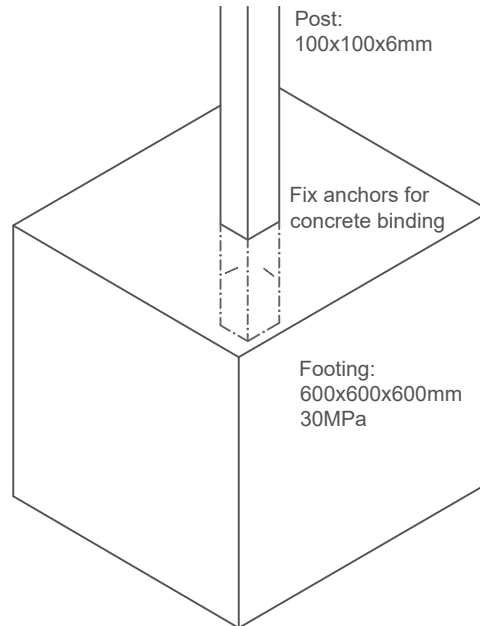
Perimeter frame:
200x50x3mm
or :
150x100x3mm,
250x50x3mm,
300x50x3mm.

Fixings to building – Chemset
Anchors at 600mm centres

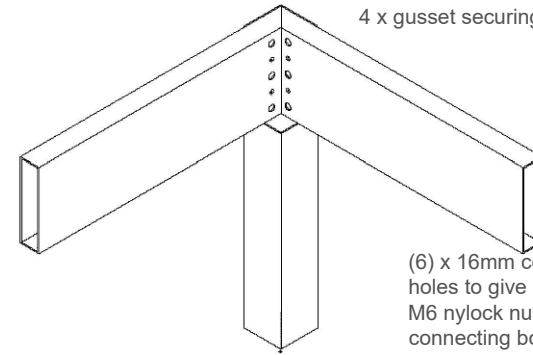
Post to ground fixing 100mm
plate with welded gusset.

4 Chemset rods into ground with
galvanised stainless steel rods

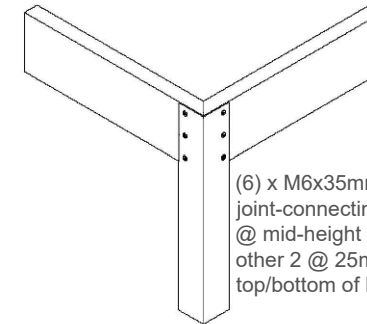
30mm stainless steel counter
sunk screws through post



4 x gusset securing screws

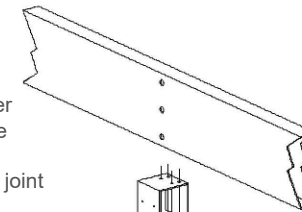


(6) x 16mm counter bored
holes to give access to affix
M6 nylock nuts on joint
connecting bolts.



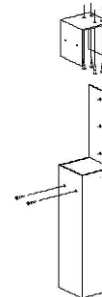
(6) x M6x35mm
joint-connecting bolts; 1
@ mid-height of beam,
other 2 @ 25mm from
top/bottom of beam.

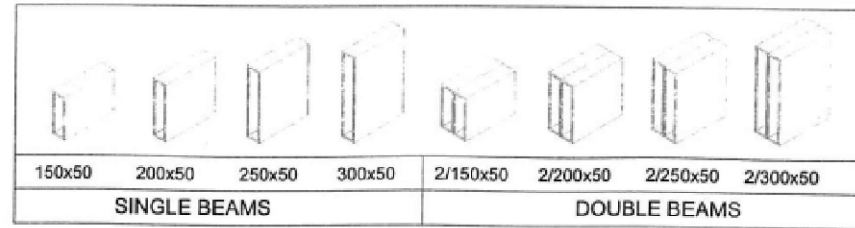
(3) x 16mm counter
bored holes to give
access to affix
M6 nylock nuts on joint
connecting bolts.



gusset fabricated to inside
dimensions of hollow post,
fixed: 10gauge x 25mm
screws.

(3) x M6x35mm
joint-connecting bolts; 1 @
mid height of beam, other 2
@ 25mm from top/bottom
of beam. Fix thru beam into
post.





WIND ZONE	SINGLE BEAM TYPE	LENGTH OF LOUVRE SINGLE BEAM IS SUPPORTING							
		1.2m	1.6m	2.0m	2.4m	2.8m	3.2m	3.6m	4.0m
LOW	150 x 50mm	4.6m	4.4m	3.8m	3.6m	3.4m	3.2m	3.2m	3.0m
	200 x 50mm	5.8m	5.4m	5.0m	4.6m	4.4m	4.2m	4.0m	3.8m
	250 x 50mm	7.2m	6.6m	6.0m	5.8m	5.4m	5.2m	5.0m	4.8m
	300 x 50mm	8.2m	7.6m	7.2m	6.6m	6.4m	6.0m	5.8m	5.6m
MEDIUM	150 x 50mm	4.2m	3.8m	3.4m	3.2m	3.0m	3.0m	2.8m	2.8m
	200 x 50mm	5.4m	4.8m	4.6m	4.2m	4.0m	3.8m	3.6m	3.6m
	250 x 50mm	6.6m	6.0m	5.6m	5.2m	5.0m	4.6m	4.6m	
	300 x 50mm	7.6m	7.0m	6.6m	6.4m	5.8m	5.6m	5.4m	5.2m
HIGH	150 x 50mm	3.8m	3.4m	3.2m	3.0m	2.8m	2.6m	2.6m	2.4m
	200 x 50mm	4.8m	4.4m	4.0m	3.8m	3.6m	3.4m	3.4m	3.2m
	250 x 50mm	5.8m	5.4m	5.0m	4.8m	4.4m	4.2m	4.0m	3.8m
	300 x 50mm	6.8m	6.2m	5.8m	5.4m	5.2m	5.0m	4.8m	4.4m
VERY HIGH	150 x 50mm	3.4m	3.2m	2.8m	2.8m	2.6m	2.4m	2.4m	2.2m
	200 x 50mm	4.4m	4.0m	3.8m	3.4m	3.4m	3.2m	3.0m	3.0m
	250 x 50mm	5.4m	4.8m	4.6m	4.2m	4.0m	3.8m	3.8m	3.6m
	300 x 50mm	6.2m	5.8m	5.4m	5.0m	4.8m	4.6m	4.4m	4.2m

WIND ZONE	DOUBLE BEAM TYPE	LENGTH OF LOUVRE DOUBLE BEAM IS SUPPORTING							
		1.2m	1.6m	2.0m	2.4m	2.8m	3.2m	3.6m	4.0m
LOW	2 / 150 x 50mm	5.8m	5.2m	4.6m	4.6m	4.4m	4.2m	4.0m	3.8m
	2 / 200 x 50mm	7.0m	6.8m	6.2m	5.8m	5.6m	5.4m	5.2m	5.0m
	2 / 250 x 50mm	8.6m	8.0m	7.6m	7.2m	6.8m	6.6m	6.2m	6.0m
	2 / 300 x 50mm	9.0m	9.0m	9.0m	8.4m	8.0m	7.6m	7.4m	7.2m
MEDIUM	2 / 150 x 50mm	5.2m	4.8m	4.4m	4.2m	4.0m	3.8m	3.8m	3.6m
	2 / 200 x 50mm	6.8m	6.2m	5.8m	5.4m	5.0m	4.8m	4.6m	4.6m
	2 / 250 x 50mm	8.0m	7.6m	7.0m	6.6m	6.2m	6.0m	5.8m	4.8m
	2 / 300 x 50mm	9.0m	8.8m	8.2m	7.8m	7.4m	7.0m	6.8m	6.6m
HIGH	2 / 150 x 50mm	4.8m	4.2m	4.0m	3.8m	3.6m	3.4m	3.2m	3.2m
	2 / 200 x 50mm	6.0m	5.6m	5.2m	4.8m	4.6m	4.4m	4.2m	4.0m
	2 / 250 x 50mm	7.4m	6.8m	6.2m	5.8m	4.8m	4.8m	4.8m	4.8m
	2 / 300 x 50mm	8.8m	8.0m	7.4m	7.0m	6.6m	6.2m	6.0m	5.8m
VERY HIGH	2 / 150 x 50mm	4.4m	4.0m	3.6m	3.4m	3.2m	3.0m	3.0m	2.8m
	2 / 200 x 50mm	5.6m	5.0m	4.6m	4.4m	4.2m	4.0m	3.8m	3.8m
	2 / 250 x 50mm	6.8m	6.2m	5.8m	4.8m	4.8m	4.8m	4.8m	4.6m
	2 / 300 x 50mm	8.0m	7.4m	6.8m	6.4m	6.0m	5.8m	4.8m	4.8m

<div><div><div>W</div><div>S</div><div>T</div><div>A</div></div><div>SHADING TECHNOLOGIES</div><div>LUXURY ECO SHADES</div></div> <div><div>web</div><div>mail</div><div>address</div></div> <div><div>www.shadingtechnologies.com.au</div><div>sales@shadingtechnologies.com.au</div><div>Unit 3/8 Murphy Street, O'Connor, WA 6163</div></div>	PROJECT TITLE/CLIENT 28 KING STREET, EAST FREMANTLE, WA, AUSTRALIA	BEAM SPAN	DATE 28/04/2021	DRAWING NUMBER A6.0	DRAWN KB				
		DRAWING TITLE	SCALE	REVISION	CHECKED				
		DETAILS	- / A4	0	MN				
						REV	DATE	DESCRIPTION	DWN