

Yero

YERO TECHNICAL DATA PART 2

YERO POST DETAILS

NUMBER OF BLADES VS. BEAM LENGTH

Pure & Simple



Multiple Application

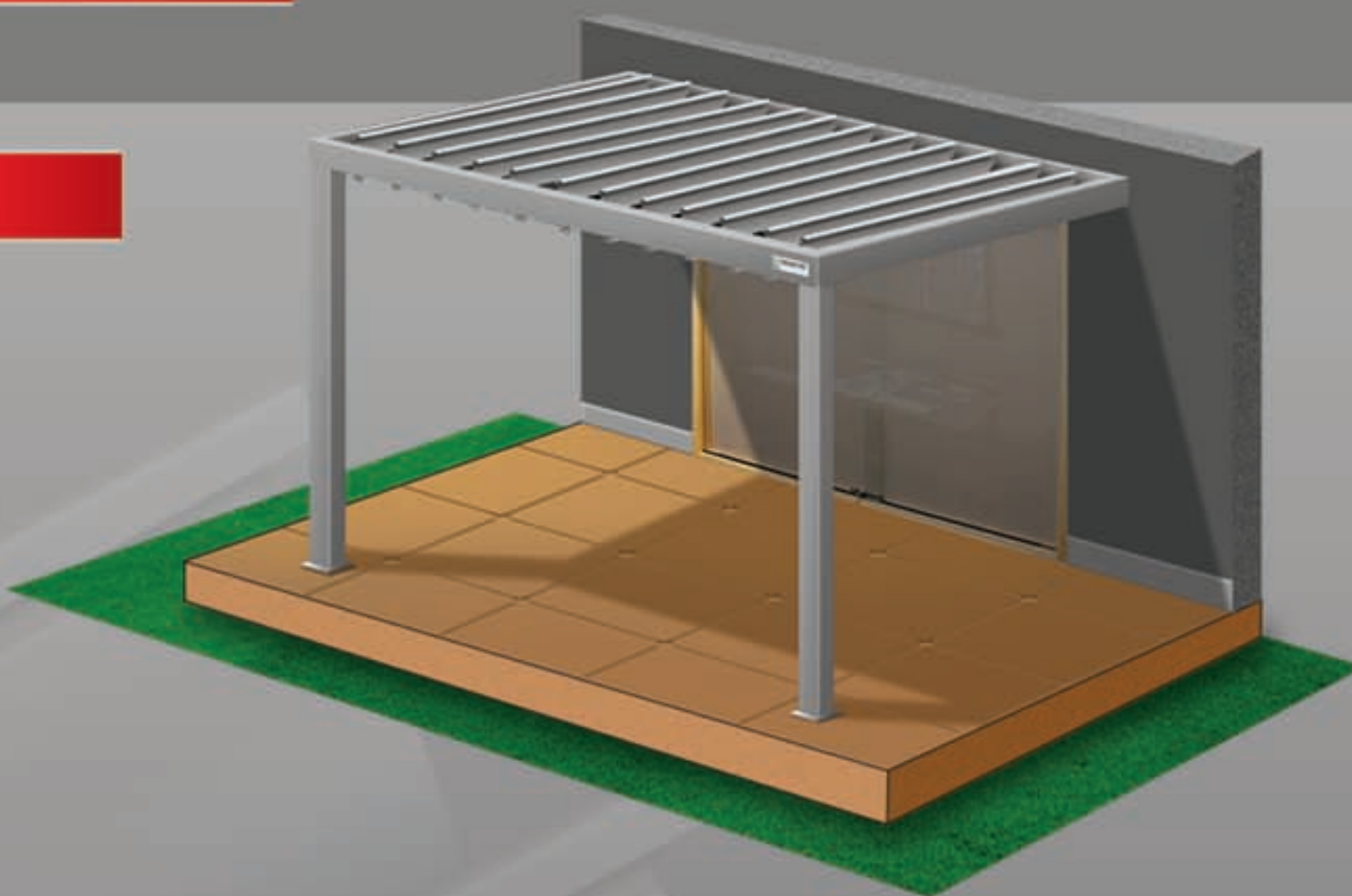
No. 1 Most complete range of
**ALUMINUM SHUTTERS, LOUVRES and
SHADING SOLUTION**
in Asia and Australia

PURE SHUTTERS™
SHUTTERS & BLINDS

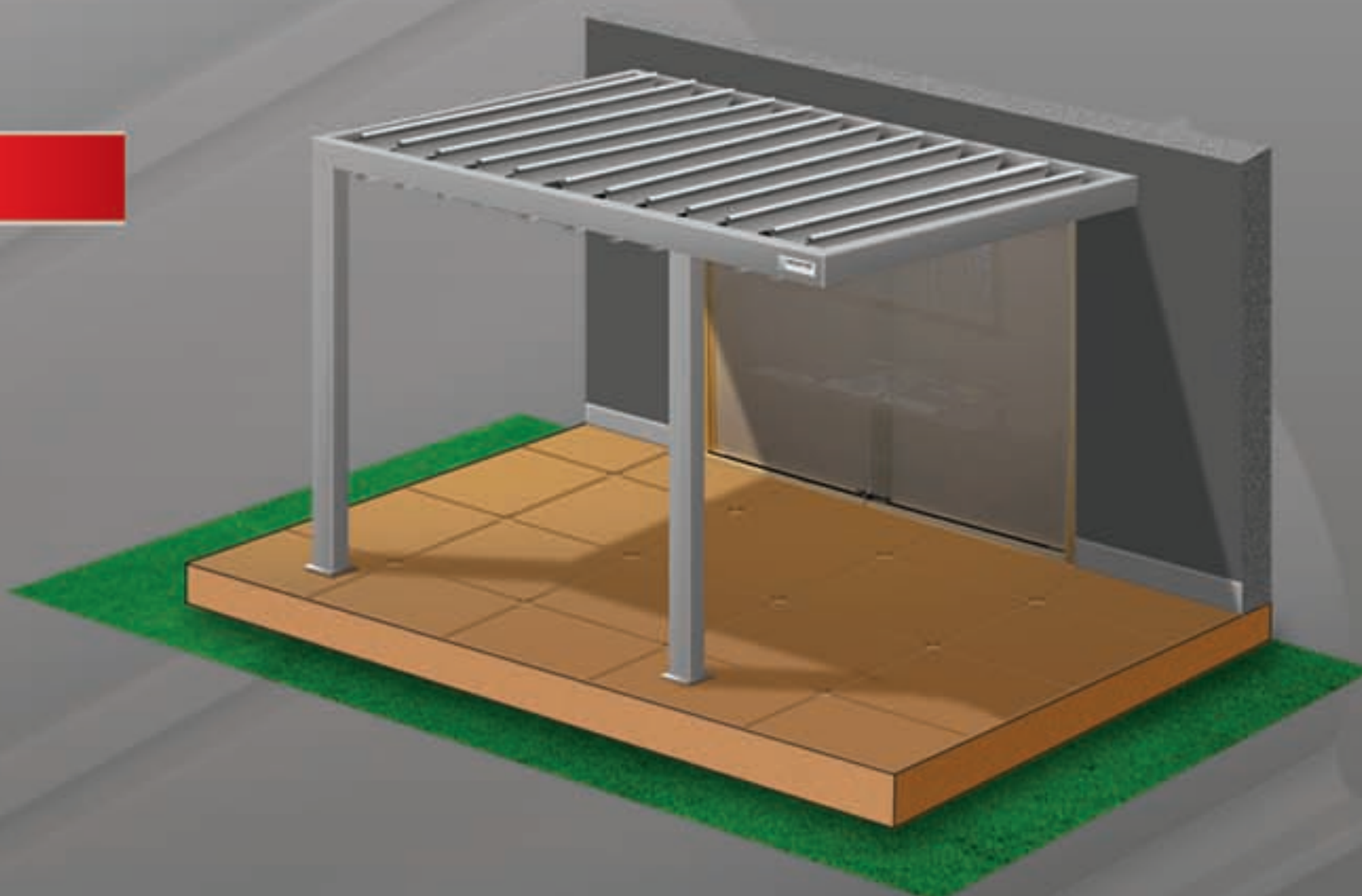


3 BASIC BEAM AND POST DESIGN

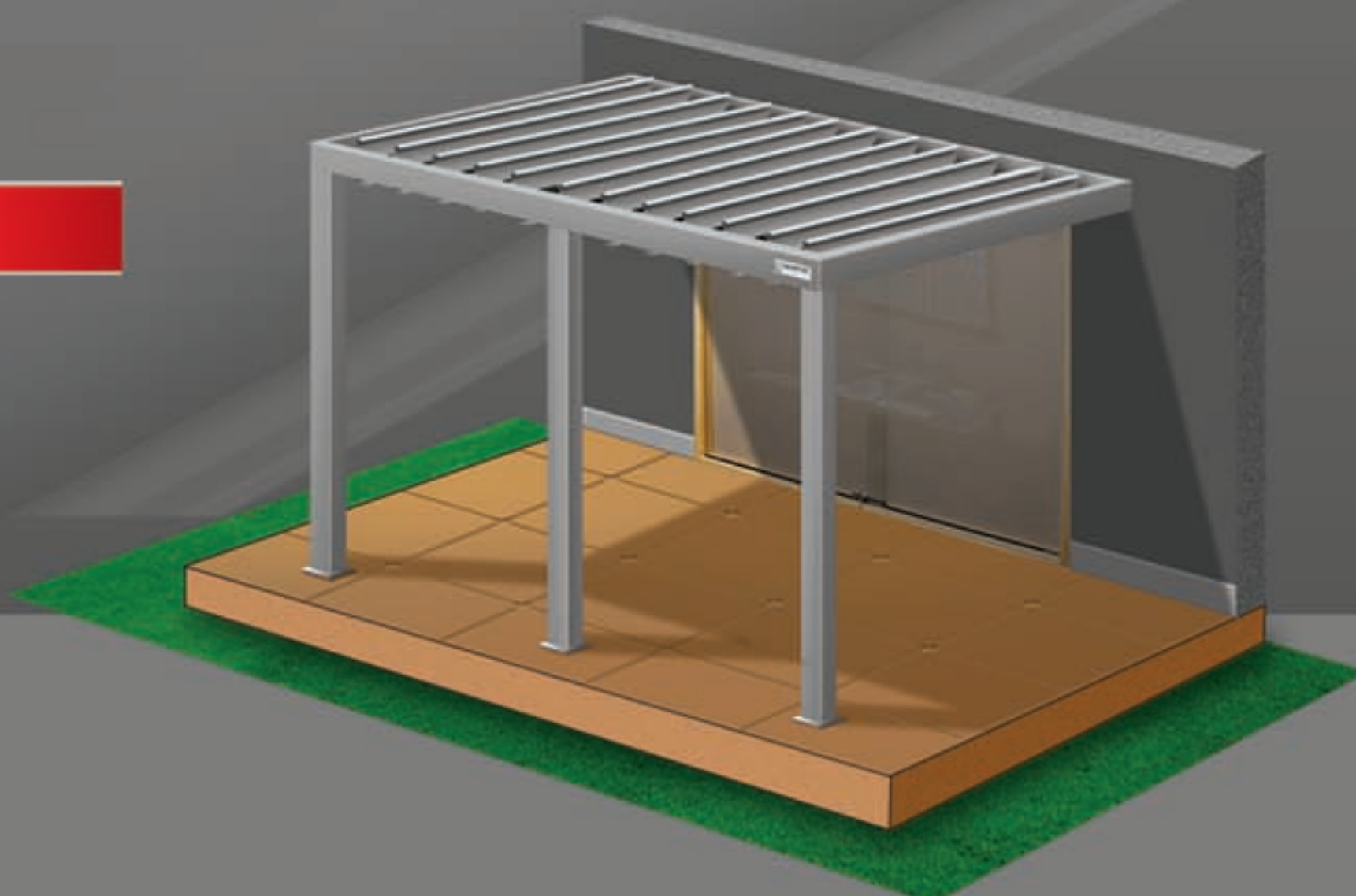
1. Simply Supported



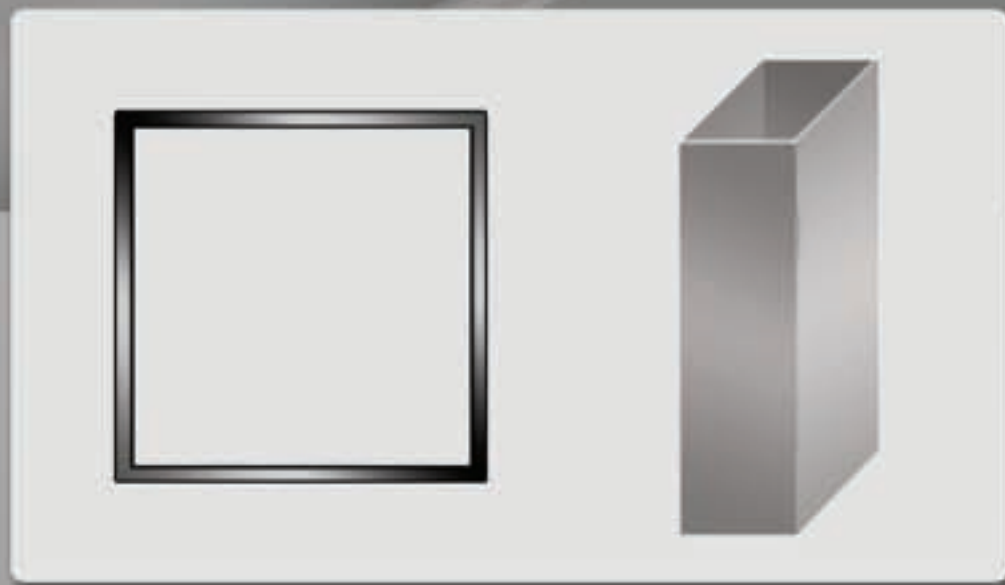
2. Single Cantilever



3. Continuous Span



YERO 100 x 100 POST



POST DIMENSION	100X100x3 mm
POST FINISHING	POWDER COATING NATURAL ANODISING

- DESIGN PARAMETERS FOR 100x100 POST :
- HEIGHT OF YERO <=2.6m
 - ROOFS FIXED TO EXISTING BUILDING
 - DRAG BEEN IGNORED
 - RATIO OF WIDTH TO LENGTH OF THE FRAME DOES NOT EXCEED 5:1
 - WIND ZONES EXCEEDING MEDIUM, SPECIFIC ENGINEERING DESIGN IS REQUIRED
 - SNOW LOADS HAVE NOT BEEN COVERED BELOW. WILL REQUIRE SPECIFIC DESIGN
 - DESIGN OF THE BLADE LOUVRES ARE BASED ON A MAXIMUM DEFLECTION LIMIT OF SPAN/40.

TABLE 1: POST SIZE vs. BEAM LENGTH
(FOR MEDIUM WIND ZONES ONLY 32m/s or 115m/h)

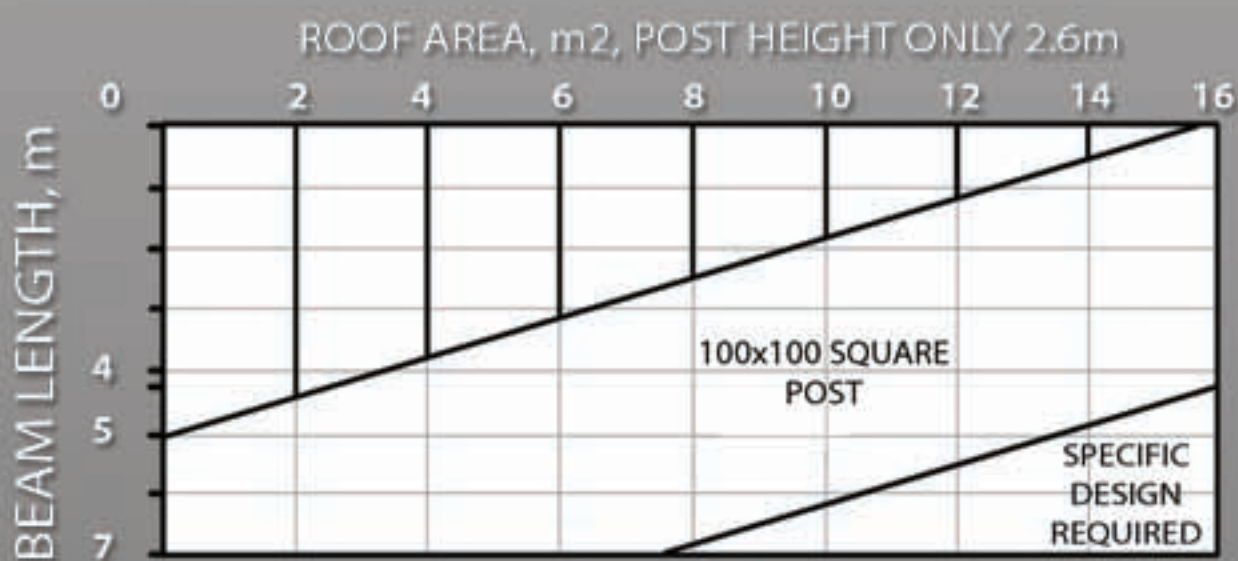
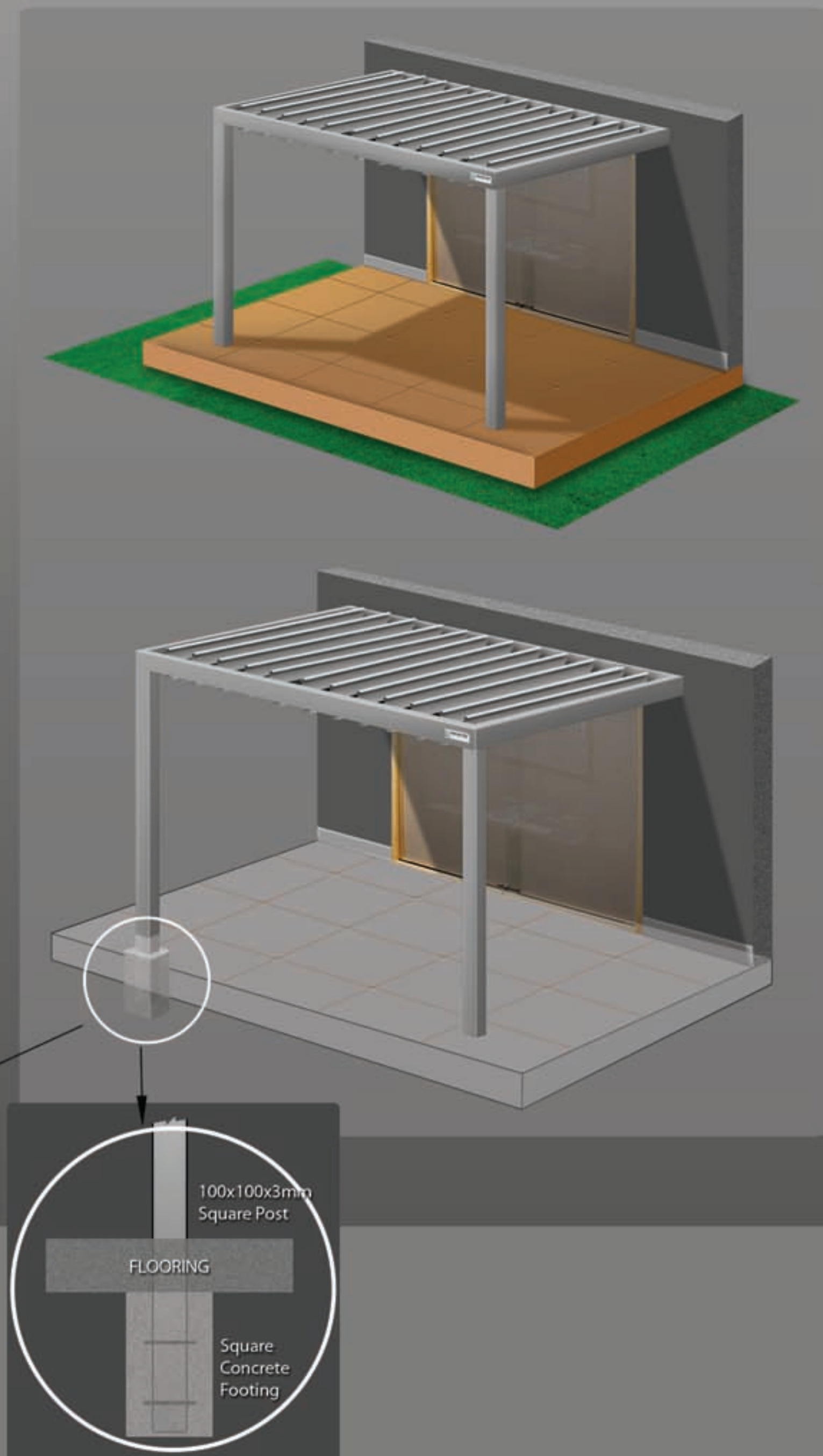
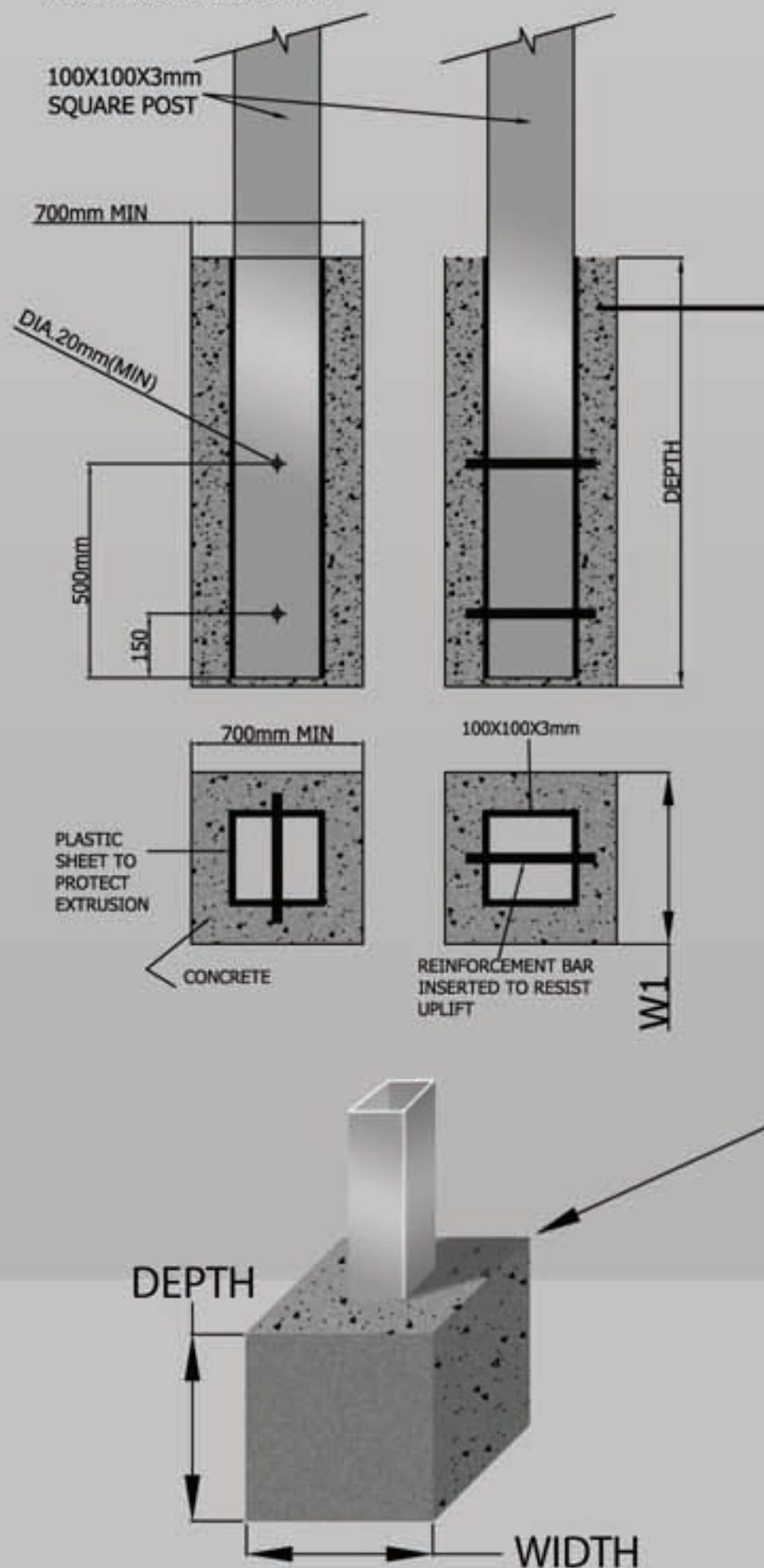
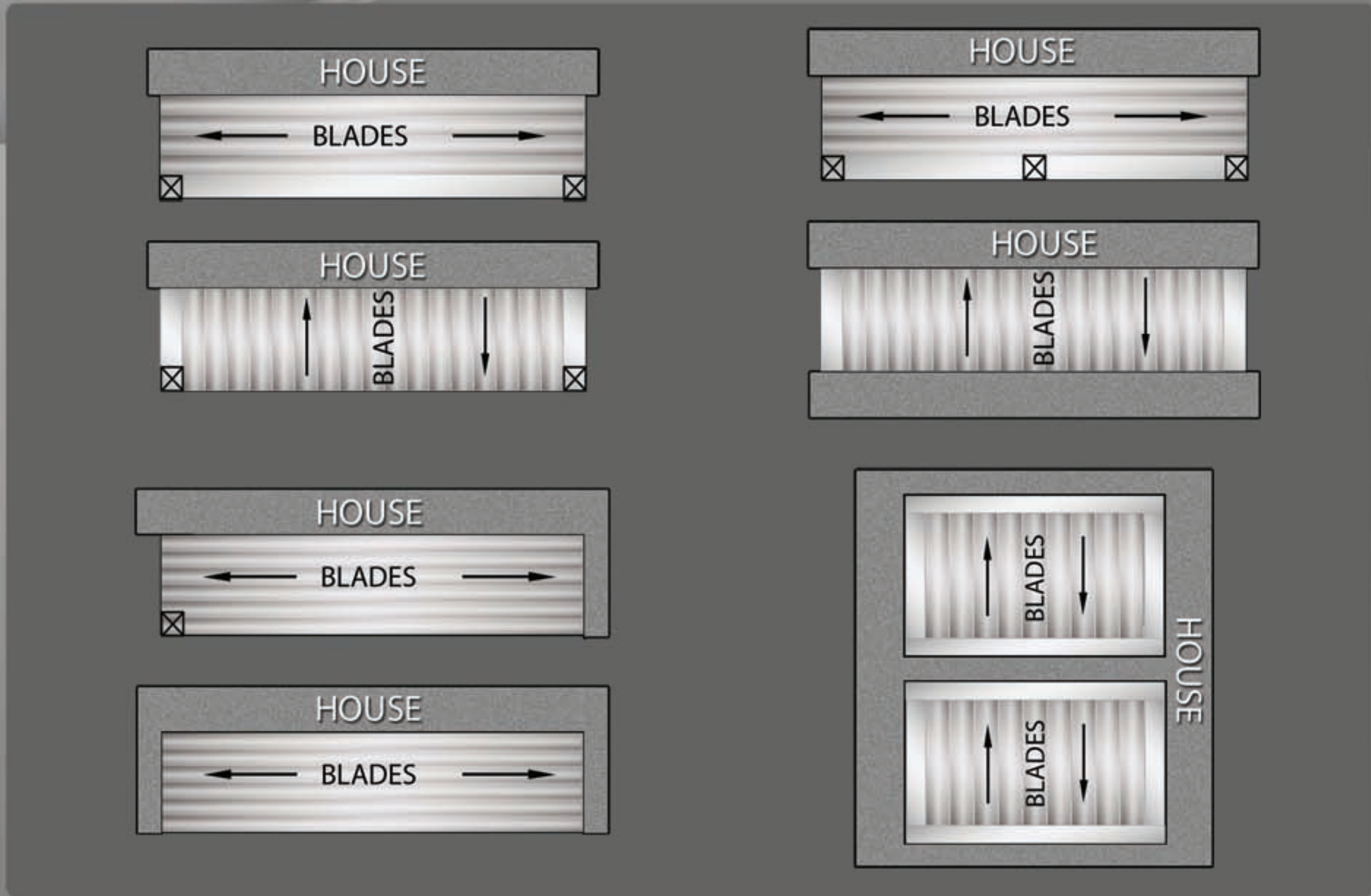


FIG. 1 SQUARE CONCRETE FOOTING

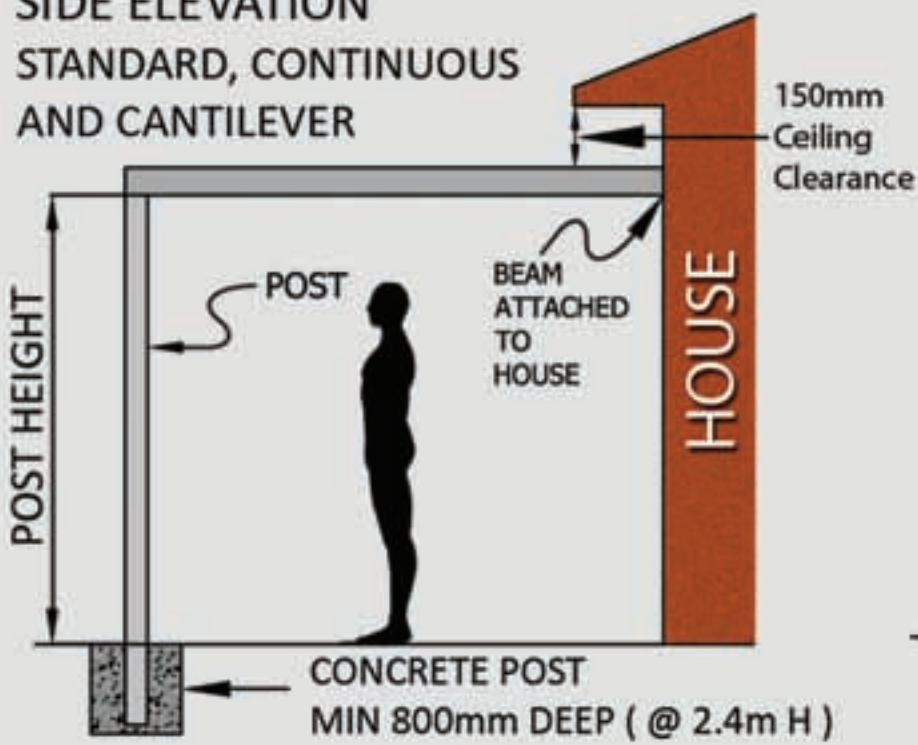
RECOMMENDED CONCRETE FOOTING FIXING DETAILS TO PREVENT WOBBLING & RESIST UPLIFT



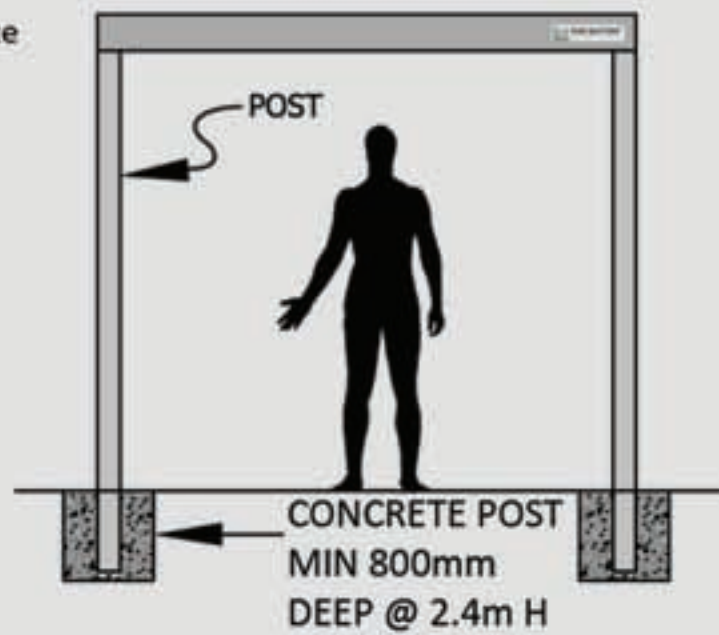
BLADE CONFIGURATION AVAILABLE (NOT LIMITED TO BELOW)



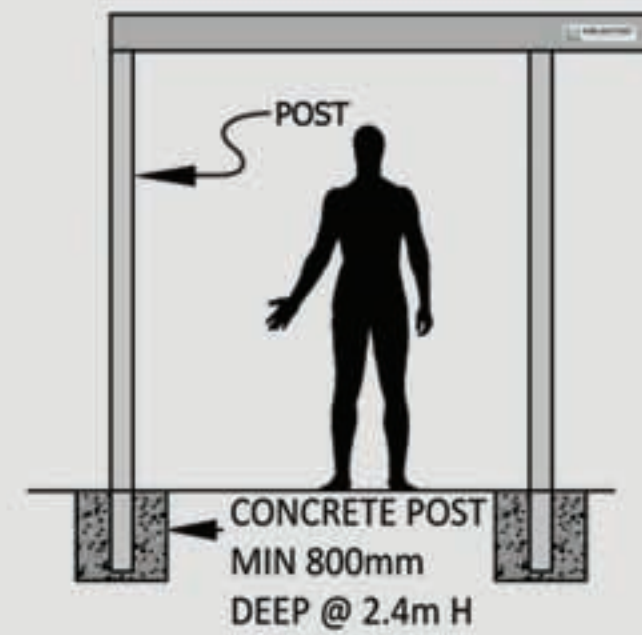
**SIDE ELEVATION
STANDARD, CONTINUOUS
AND CANTILEVER**



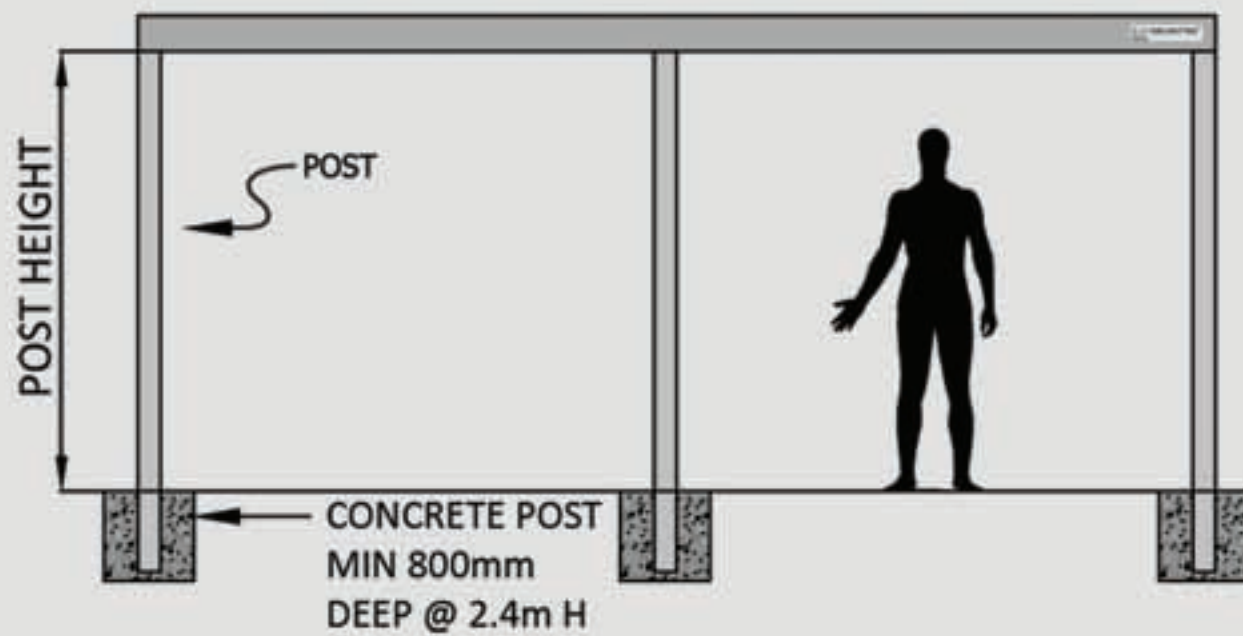
**FRONT ELEVATION
FRONT ELEVATION
STANDARD SUPPORTED**



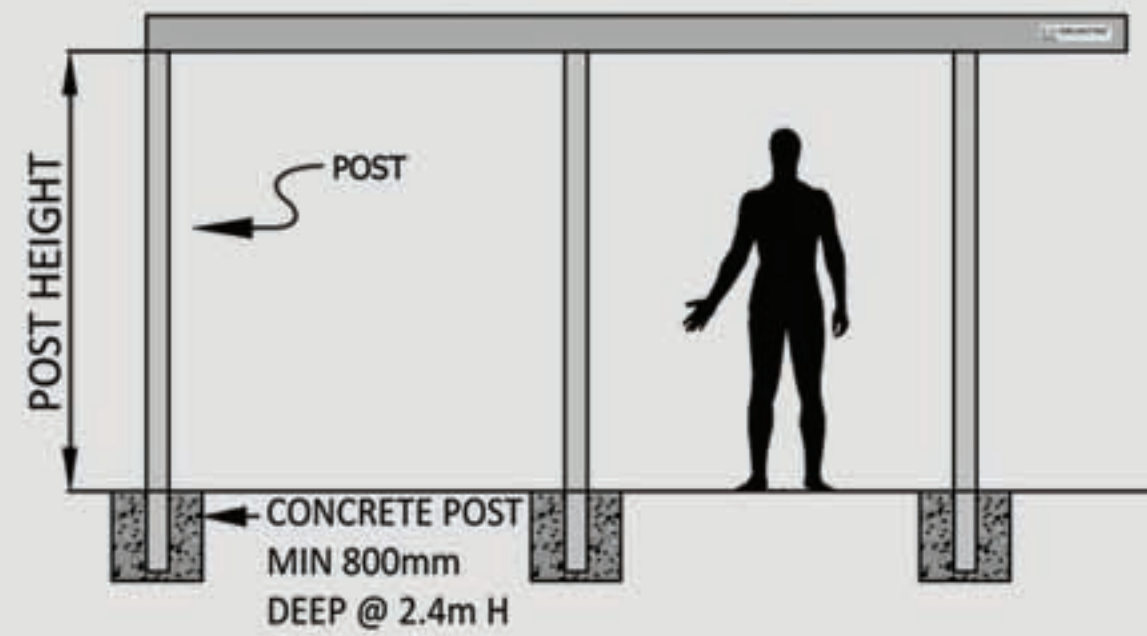
**FRONT ELEVATION
FRONT ELEVATION
CANTILEVER SUPPORTED**



FRONT ELEVATION FOR CONTINUOUS



FRONT ELEVATION FOR CANTILEVER



POST HEIGHT, mm	CONCRETE DEPTH, D, mm	SQUARE FOOTING, W1, mm
2400mm	800mm (MINIMUM)	700mm (MINIMUM)
2500mm	900mm	800mm
2600mm	1000mm	800mm

Number of Blades & Beam Length Table

Below table is applicable for both types of Yero Roof blades - Yero Aero & Classic blade types

MINIMUM

Number Of Blades	Exact Beam Length ,mm	Pitch Per blade,mm
1	320	178
2	498	178
3	676	178
4	854	178
5	1032	178
6	1210	178
7	1388	178
8	1566	178
9	1744	178
10	1922	178
11	2100	178
12	2278	178
13	2456	178
14	2634	178
15	2812	178
16	2990	178
17	3168	178
18	3346	178
19	3524	178
20	3702	178
21	3880	178
22	4058	178
23	4236	178
24	4414	178
25	4592	178
26	4770	178
27	4948	178
28	5126	178
29	5304	178
30	5482	178
31	5660	178
32	5838	178

MAXIMUM

MAXIMUM: Maximum number of blades per one full length of Beam.

Note :

For Blade Span and Beam length performances versus various wind zones , Please refer to YERO TECHNICAL DATA for details.



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