

# TECHNICAL SPECIFICATION

1. LIGHTING POLE COMPLY TO **BS EN 40-5 : 2002** "LIGHTING COLUMNS, REQUIREMENT FOR STEEL LIGHTING COLUMNS"
2. DESIGN OF POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8i STRUCTURAL DESIGN SOFTWARE TO WITHSTAND **35 M/S** WIND-SPEED, TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF **1.0**
3. MATERIAL USED FOR LIGHTING POLE COMPLY TO **BS EN 10025 S275 JR : 2004 / JIS G3101 : 2010 / SS400** WITH MINIMUM YIELD AND TENSILE STRENGTH OF **275 MPa** AND **430 MPa** RESPECTIVELY
4. WELDING PROCESS OF LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER **BS EN 1011-2 : 2001**
5. PRODUCTS ARE TREATED WITH ANTI-CORROSIVE TREATMENT KNOWN AS HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO **BS EN ISO 1461 : 2009**

## STANDARD LIGHTING POLE

by Mestron®

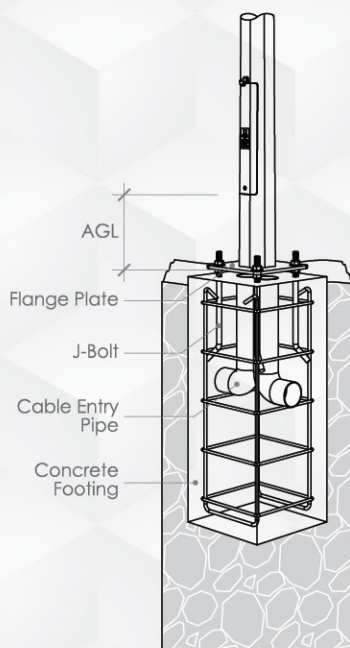
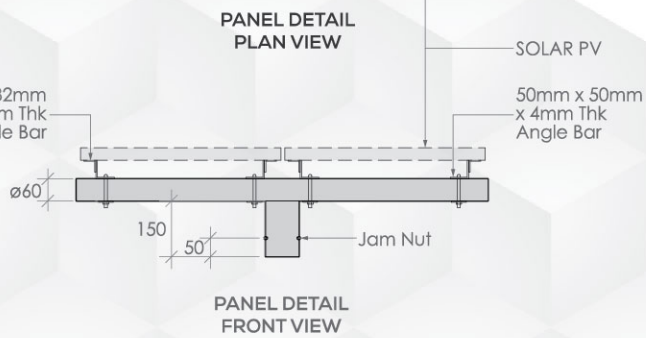
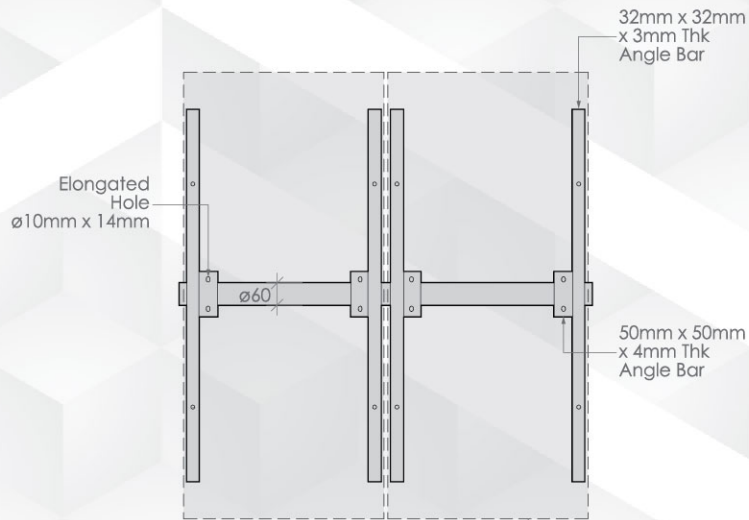
## SOLAR LIGHTING POLE

Solar Lightig Pole is designed to cater for additional loading of Photovoltaik (PV) panel or a LED SOLAR Integrated Lighting on top.

The power generated by PV then be used for lighting, communication, transmission, charging and other purpose. Thus, it provides a self-sufficient solution for remote areas.

### OPTION AND ACCESSORIES

- Height from 4M - 12M
- Frame Support for Solar Panel
- Bracket for Junction / Battery Box
- Detachable Climbing Rung
- Polyester Powder Coating



## FLANGE MOUNTED

Pole(M)	ACROSS FLAT, A/F		BASE FLANGE PLATE				
	A/F - T	A/F - B	Width	C - C	Hole	THK	
4	83	133	250	195	37 x 20	9	
6	83	157	300	220	45 x 26	12	
8	83	174	300	220	45 x 26	12	
9	83	185	300	220	45 x 26	15	
10	83	200	350	260	52 x 30	16	
12	100	249	400	300	56 x 30	18	
SERVICE DOOR**			J-BOLT		CONCRETE FOOTING		
Pole(M)	AGL	Width	Dia.	Length	Width	Height	C - C
4	305	120	16	280	300	800	195
6	305	120	20	450	350	1000	220
8	305	120	20	450	400	1300	220
9	610	140	20	450	400	1300	220
10	610	140	24	570	450	1300	260
12	610	140	24	570	500	1500	300

\*All Dimension are in Millimeter (MM) unless stated  
\*\* Service door must be requested