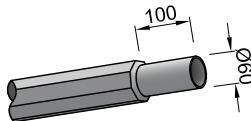


TECHNICAL SPECIFICATION

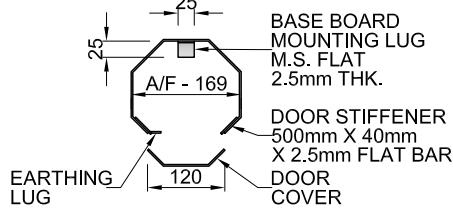
- MESTRON LIGHTING POLE COMPLY TO BS EN 40-5 : 2002 "LIGHTNING COLUMNS, REQUIREMENT FOR STEEL LIGHTING COLUMNS"
- DESIGN OF MESTRON POLE ARE COMPREHENSIVELY ANALYSED USING STAAD. PRO V8i STRUCTURAL DESIGN SOFTWARE TO WITHSTAND 35 M/S WIND-SPEED AT 3 SECOND GUST EQUIVALENT TO 20.6 M/S OF 10 MINUTES MEAN WIND VELOCITY AT 10M HEIGHT WITH TOPOGRAPHY, TERRAIN ROUGHNESS AND STATISTICAL FACTOR OF 1.0
- MESTRON POLE DESIGN VALIDATED BY TYPE TEST "DESIGN AND VARIFICATION, VERIFICATION BY TESTING" IN ACCORDANCE TO BS EN 40-3-2 : 2013
- MATERIAL USED FOR MESTRON 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
- WELDING PROCESS OF MESTRON LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER BS EN 1011-2 : 2001
- MESTRON PRODUCTS ARE PROTECTED WITH ANTI-CORROSIVE TREATMENT WITH HOT-DIP GALVANIZED COATINGS ON FABRICATED IRON AND STEEL ARTICLES IN ACCORDANCE TO ISO 1461 : 2009

SPIGOT DETAIL



SPIGOT DETAIL

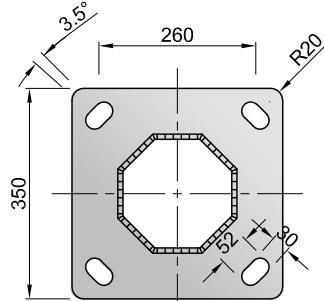
SECTION A-A



The diagram shows a threaded rod assembly. A vertical line on the left indicates a height of 120. The main part is a threaded rod with a flared base. Labels with leader lines identify the components: 'LOCK NUT' at the top, 'WASHER' just below it, and 'LEVELLING NUT' further down. The base of the rod is labeled with a diameter of Ø24.

J-BOLT
GRADE 4.8

SERVICE DOOR DETAIL

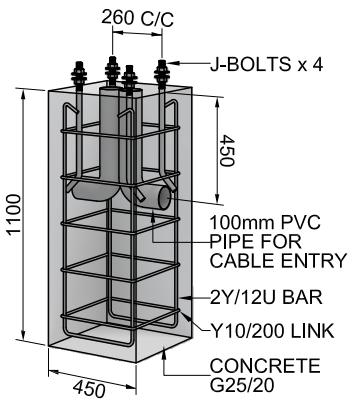


FLANGE PLATE

The diagram illustrates a vertical access shaft. A vertical dimension line on the left indicates a height of 3050 mm. A human silhouette is shown walking towards the right, with a dimension line indicating a width of 1000 mm. A vertical door frame is positioned on the right side of the shaft. The door is labeled 'FLUSH TYPE SERVICE DOOR 450MM x 120MM'. Below the door frame, the text 'A/F - 181 GROUND LEVEL' is written. The bottom of the shaft features a metal cage with a hatched base. The shaft walls are shown with vertical lines and horizontal lines representing the floor levels.

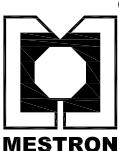
The diagram illustrates a vertical service door assembly. On the left, a vertical dimension line indicates a height of 1000 units. The door itself is a light grey panel with a dark grey header. The top section is labeled 'DOUBLE SLOT TOP HINGED'. A horizontal slot is shown at the top. The main panel is labeled 'FLUSH TYPE SERVICE DOOR'. A small rectangular panel with a grid pattern is attached to the door. On the right side of the door, there is a circular symbol with a downward-pointing triangle, and below it is a vertical bolt mechanism labeled 'ANTI-VANDALISM TRIANGULAR BOLT'.

SERVICE DOOR
DIAGONAL VIEW



FOOTING DETAIL

WEIGHT (KGS) : 119 KGS



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**10M OCTAGONAL LIGHTING POLE FLANGE MOUNTED TYPE
2.5M DOUBLE ARM**

DRAWN BY : ALIF

CHECKED BY : NEO

DRAWING NO. : 10M-FM-2.5-DA

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