

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

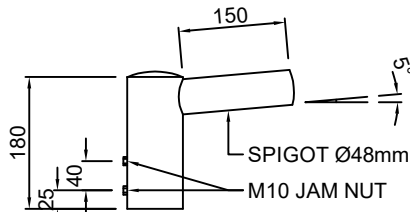
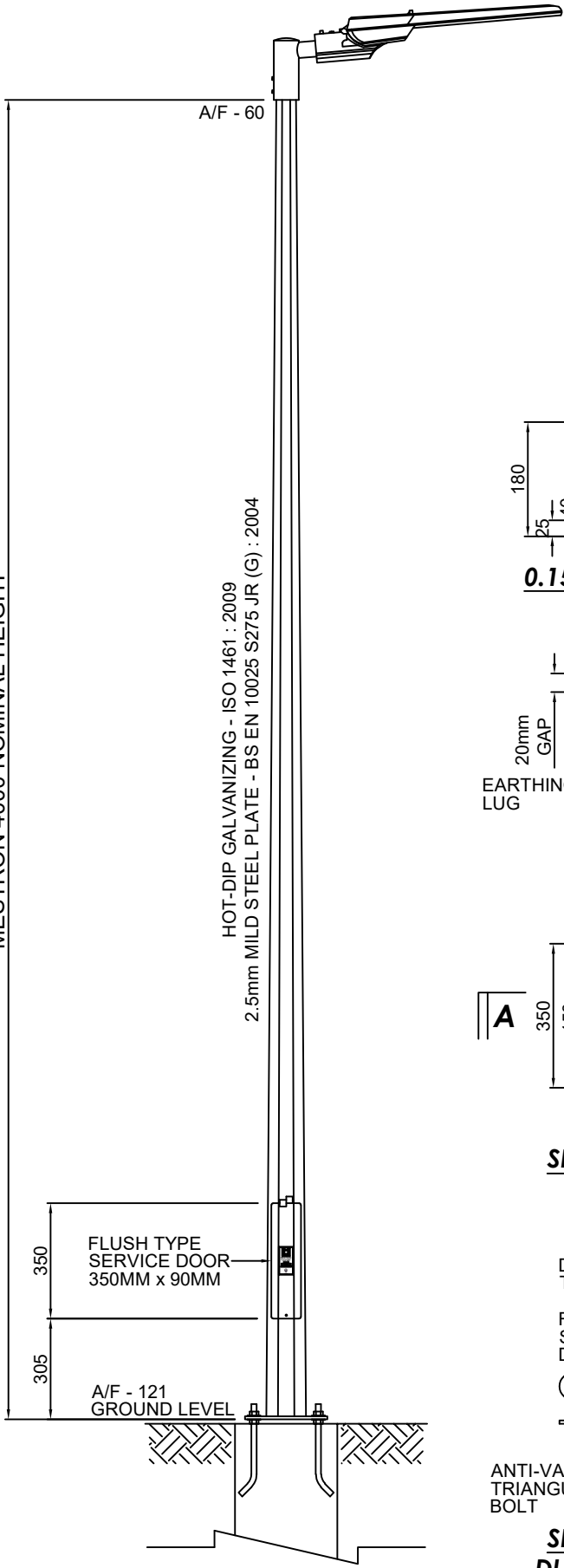
WELDING PROCESS OF MESTRON LIGHTING POLE IN COMPLIANCE TO WELDING PROCESS SPECIFICATION AS PER BS EN 1011-2 : 2001

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

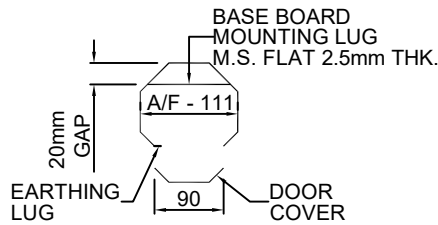
MESTRON 4000 NOMINAL HEIGHT

A/F - 60

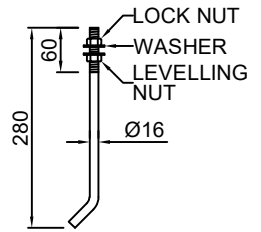
HOT-DIP GALVANIZING - ISO 1461 : 2009
2.5mm MILD STEEL PLATE - BS EN 10025 S275 JR (G) : 2004



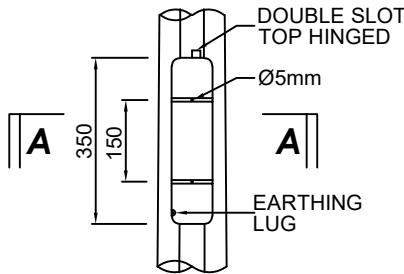
0.15M SINGLE ARM



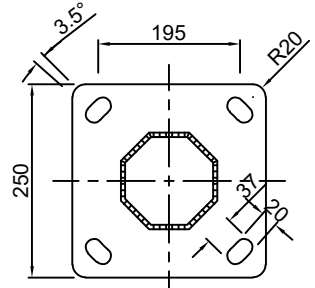
SECTION A-A



J-BOLT
GRADE 4.8

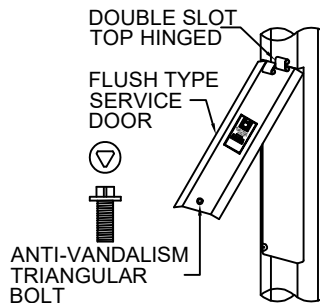


SERVICE DOOR
DETAIL

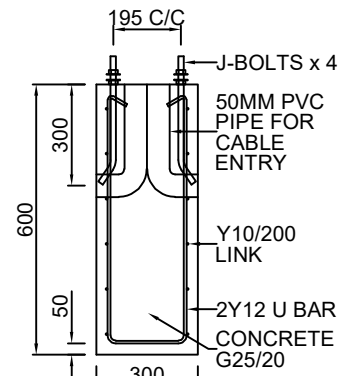


FLANGE PLATE

9mm THK



SERVICE DOOR
DIAGONAL VIEW



FOOTING DETAIL

WEIGHT (KGS) : 30 KGS



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DATE	R	DESCRIPTION

DRAWING APPROVAL

SIGN :
NAME :
DATE :

4M OCTAGONAL LIGHTING POLE
FLANGE MOUNTED TYPE
0.15M SINGLE ARM

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DRAWN BY : HAFIZ DRAWING NO : 4M-FM-SSA

CHECKED BY : NEO DATE OF ISSUE : 01-06-2019 SCALE : NTS **JO :**