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 A/F - 60 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 202 149 42 0 0 _160_ LOCK NUT 001 WASHER 1000 LEVELLING NUT 90mm x 45mm C-CHANNEL 2.5mm MILD STEEL PLATE - BS EN 10025 S275 JR (G) : 2004 450 MESTRON 6000 NOMINAL HEIGHT Ø20 HOT-DIP GALVANIZING - ISO 1461 : 2009 M10 JAM NUT **HEAD FRAME - 2** J-BOLT GRADE 4.8 DOUBLE SLOT TOP HINGED 220 Ø5mm 300 SERVICE DOOR **FLANGE PLATE DETAIL** 12mm THK 220 C/C J-BOLTS x 4 DOUBLE SLOT FLUSH TYPE -SERVICE DOOR 450mm x 100mm FLUSH TYPE -SERVICE DOOR 000 A/F - 135 GROUND LEVEL 100MM PVC -PIPE FOR CABLE ENTRY -2Y/12U BAR ANTI-VANDALISM -TRIANGULAR BOLT Y10/200 LINK CONCRETE G25/20 **SERVICE DOOR** DIAGONAL VIEW **FOOTING DETAIL** WEIGHT (KGS): 47 KGS 6M OCTAGONAL LIGHTING POLE FLANGE MOUNTED TYPE **MESTRON ENGINEERING**



SDN BHD (591970-X)

+603 . 8069 1815 +603 . 8069 1805 info@mestron.com.my FAX EMAIL : WEB www.mestron.com.my

HEAD FRAME - 2

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: 6M-FM-HF2

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