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 A/F - 60 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 1000 202 149 42 0 0 _160_ LOCK NUT WASHER 1000 (G) 2004 EVELLING 90mm x 45mm C-CHANNEL NUT MESTRON 8000 NOMINAL HEIGHT 150 HOT-DIP GALVANIZING - ISO 1461 : 2009 2.5mm MILD STEEL PLATE - BS EN 10025 S275 JR (Ø20 M10 JAM NUT **HEAD FRAME - 2** J-BOLT GRADE 4.8 DOUBLE SLOT TOP HINGED 220 Ø5mm 300 **SERVICE DOOR FLANGE PLATE** 12mm THK DETAIL 220 C/C J-BOLTS x 4 DOUBLE SLOT FLUSH TYPE -SERVICE DOOR FLUSH TYPE -SERVICE DOOR 450mm x 110mm 100MM PVC -PIPE FOR CABLE ENTRY A/F - 157 GROUND LEVE -2Y/12U BAR ANTI-VANDALISM -TRIANGULAR BOLT Y10/200 LINK CONCRETE G25/20 **SERVICE DOOR** DIAGONAL VIEW **FOOTING DETAIL** WEIGHT (KGS): 63 KGS 8M OCTAGONAL LIGHTING POLE FLANGE MOUNTED TYPE **MESTRON ENGINEERING** HEAD FRAME - 2 SDN BHD (591970-X)



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

THIS DRAWING IS THE PROPERTY OF MESTRON ENGINEERING SDN. BHD. AND MUST NOT BE REPRODUCED OR MISUSED WITHOUT THEIR PRIOR CONSENT IN WRITING. DRAWN BY : HAFIZ CHECKED BY : NEO

: 8M-FM-HF2

DRAWING NO.









