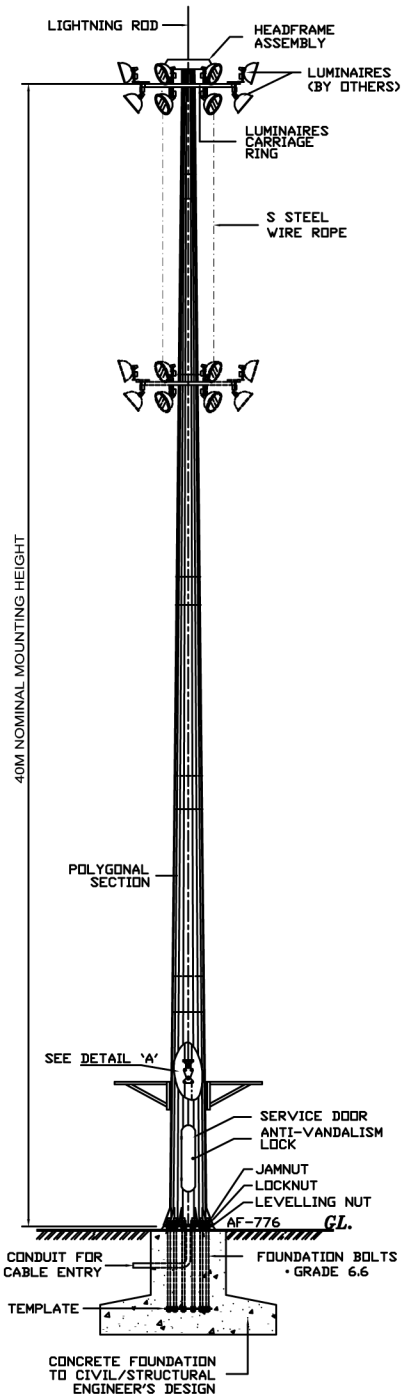
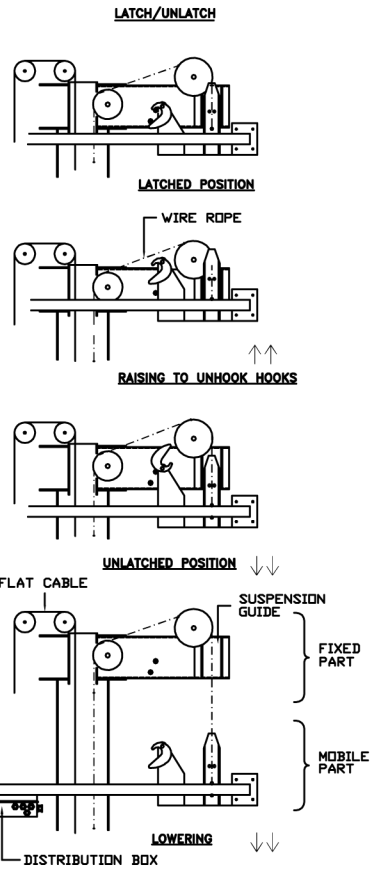
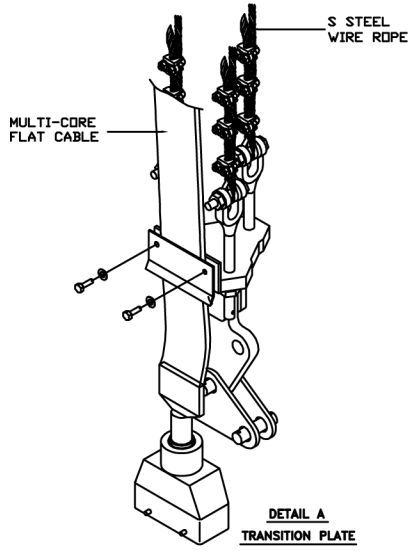
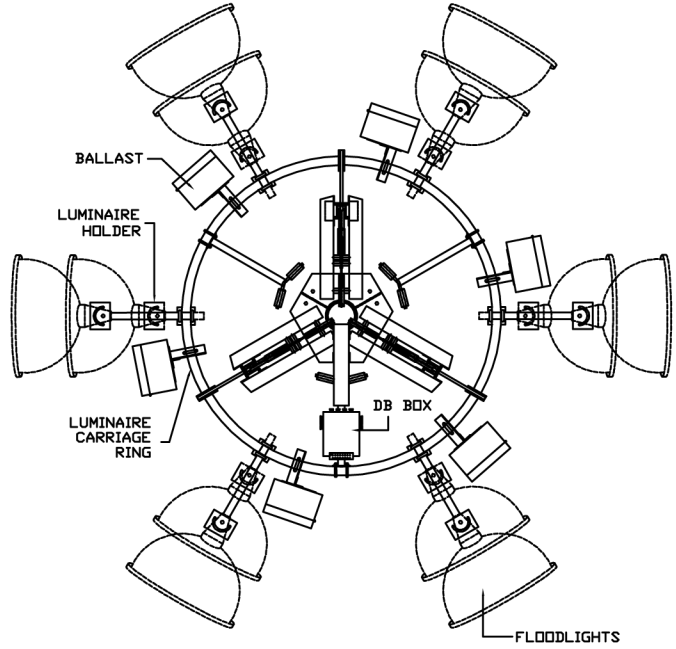
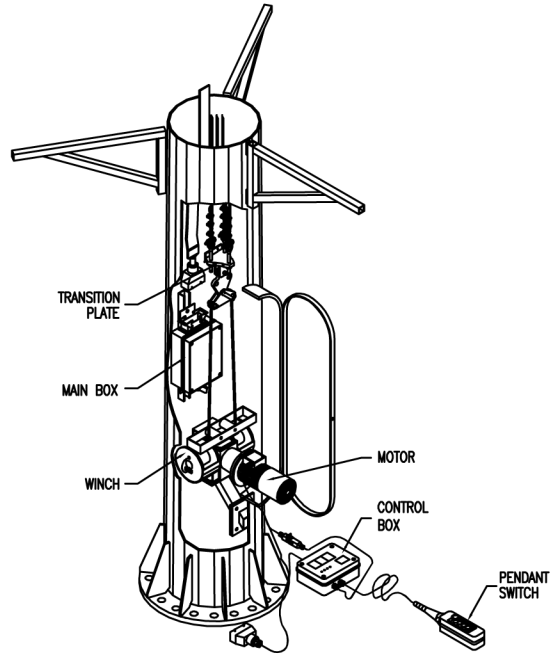




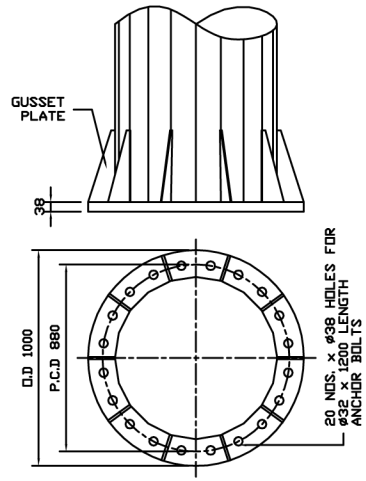




HIGH MAST HEADFRAME
TYPICAL ARRANGEMENT OF LUMINAIRES



SERVICE DOOR COMPARTMENT



BASE FLANGE
STIFFENED WITH GUSSET PLATE

SPECIFICATION

1) HIGH MAST DIMENSION
- 1.1 MOUNTING HEIGHT = 40M
- 1.2 CROSS SECTION SHAPE (NO OF SIDES) = 20
- 1.3 MIN. TOTAL NO OF SECTIONS = 6
- 1.4 MIN. SECTION LENGTH = 8.0M

	LOWER BOTT.	BOT. SECT.	INT. 3	INT. 2	INT. 1	TOP SECT-1
LENGTH	8.0M	8.0M	8.0M	8.0M	8.0M	4.4M
THICKNESS	8.0mm	8.0mm	6.0mm	5.0mm	4.0mm	4.0mm
TOP AF						234
BOTTOM AF	776					

- 1.5 SERVICE DOOR DIMENSIONS
  - 1.5.1 LENGTH = 1200mm
  - 1.5.2 WIDTH = 300mm
  - 1.5.3 DOOR BOTTOM FROM GROUND LEVEL = 600mm
- 1.6 DOOR OPENNING TO BE REINFORCED HEAVILY TO PREVENT BUCKLING = YES
- 1.7 ANTI-VANDALISM DOOR LOCK = GALVAPOLE DESIGN
- 1.8 BASE FLANGE
  - 1.8.1 OD = 1000mm
  - 1.8.2 P.C.D = 880mm
  - 1.8.3 THICKNESS = 38mm

2) DESIGN CONDITIONS
- 2.1 MAX. PROJECTED LUMINAIRE SAIL AREA (BASED ON SYMMETRICAL LUM. ARRANGEMENT) = 2.5M2
- 2.2 MAX. LUMINAIRE AND BALLAST MASS = 500 kg
- 2.3 BASIC WIND SPEED = 35 m/s at 10M HEIGHT

3) CONFIRMING STANDARDS
- 3.1 MAST DESIGN = ILE TR7/ CP3
- 3.2 MATERIAL = BS 4360 GR50A / JIS G3101 SS490
- 3.3 WELDING (ELECTRIC ARC WELDING) = BS 5135
- 3.4 GALVANIZING = BS 729

4) TESTING PROCEDURES = DIMENSIONAL VERIFICATION, GALVANIZING THICKNESS, MATERIAL THICKNESS

NOTES :

THE LATCHING MECHANISM USES SELF LOCKING SYSTEM FULLY OPERATIONAL BY LAW OF GRAVITY AND MUST

REV.	DATE	BY	DESCRIPTION

PROJECT

OWNER

M & E CONSULTANT

MAIN CONTRACTOR

DRAWING TITLE

40M HIGH MAST

MANUFACTURER

GALVAPOLE INDUSTRIES SDN. BHD.
NO.9, JALAN KECAPI 33/2,
ELITE INDUSTRIAL ESTATE
JLN BUKIT KEMUNING
40350 SHAH ALAM, SELANGOR, MALAYSIA
TEL: 603-5213300 FAX: 603-5212828
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Website : www.galvapole.com

DRAWN BY	: HADI	DATE	: 17-10-2007
SCALE	: N.T.S	CHKD. BY	: CCC
DRAW NO.	: HM171007001	REVISION	00