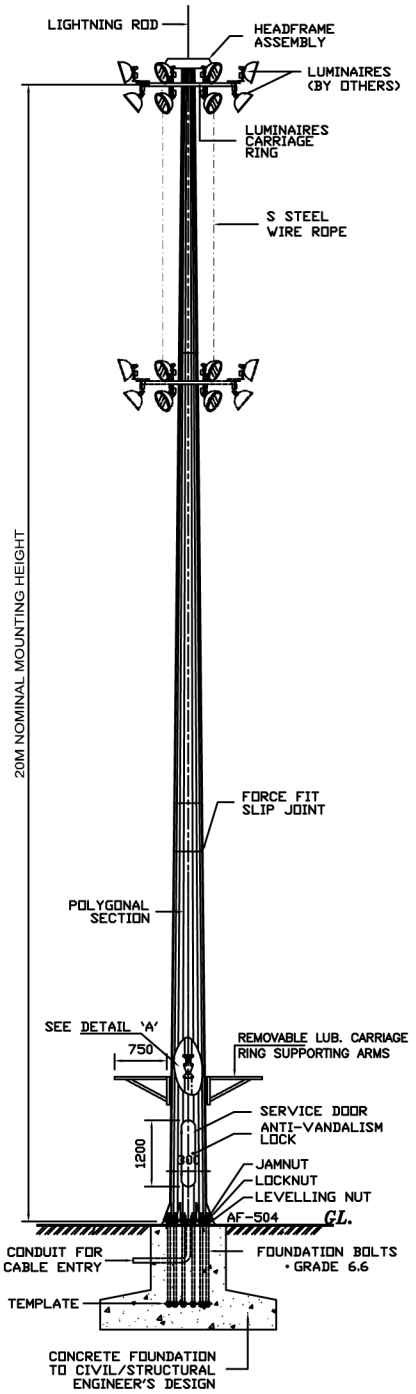
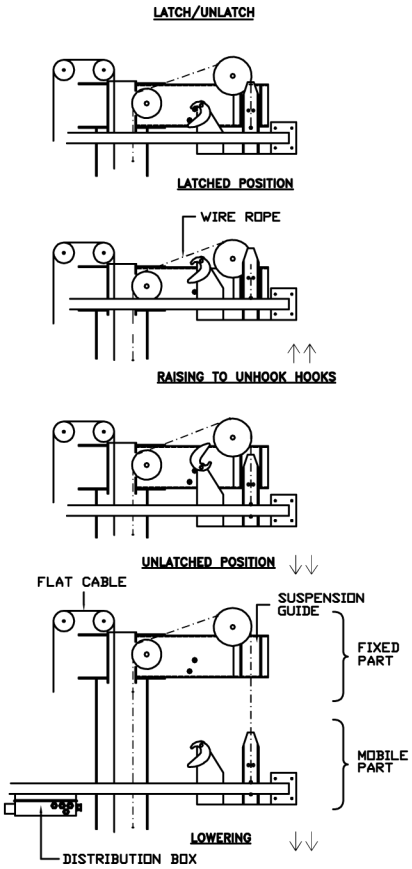
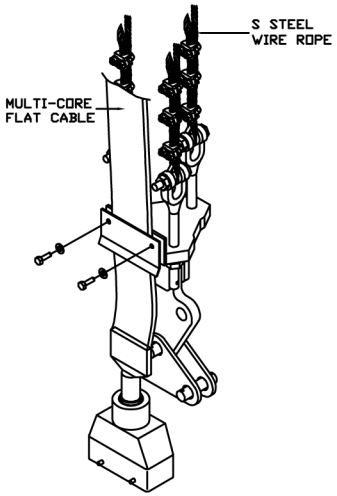
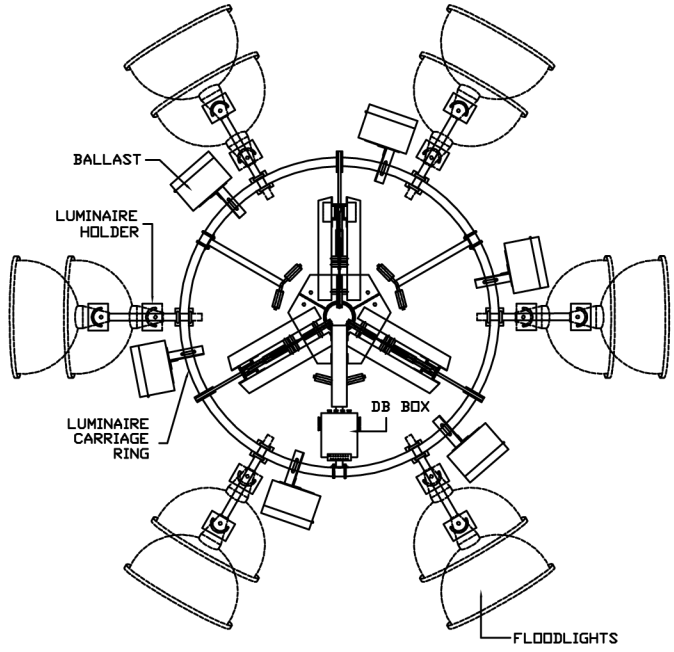






DETAIL A
TRANSITION PLATE



HIGH MAST HEADFRAME
TYPICAL ARRANGEMENT OF LUMINAIRES

SPECIFICATION

1) HIGH MAST DIMENSION
- 1.1 MOUNTING HEIGHT = 20M
- 1.2 CROSS SECTION SHAPE (NO OF SIDES) = 20
- 1.3 MAX. TOTAL NO OF SECTIONS = 3
- 1.4 MAX. SECTION LENGTH = 8M

	BOTTOM SECTION	INT.SECTION	TOP SECTION
LENGTH	8M	8M	5.2M
THICKNESS	5.0mm	4.0mm	4.0mm
TOP AF			222mm
BOTTOM AF	504		

- 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 = YES
- 1.8 BASE FLANGE
  - 1.8.1 OD = 750mm
  - 1.8.2 P.C.D = 650mm
  - 1.8.3 THICKNESS = 25mm

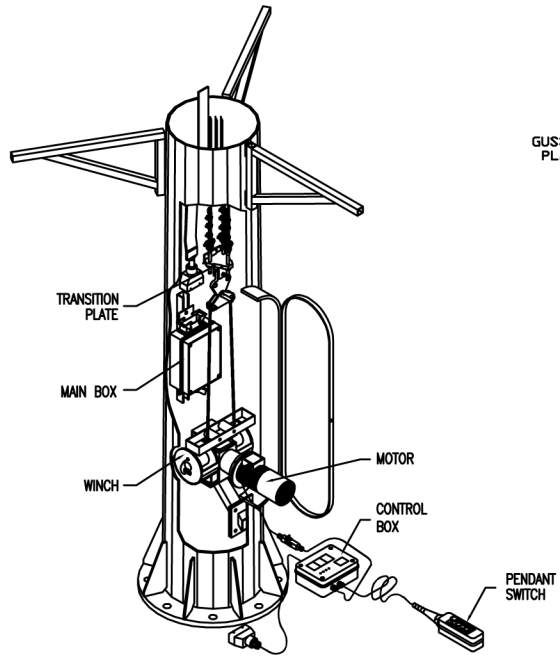
2) DESIGN CONDITIONS
- 2.1 MAX. PROJECTED LUMINAIRE SAIL AREA (BASED ON SYMMETRICAL LUM. ARRANGEMENT) = 2.5M2
- 2.2 MAX. LUMINAIRE AND BALLAST MASS = 500 kg
- 2.3 BASIC WIND SPEED = 35 m/s at 10M HEIGHT

3) CONFIRMING STANDARDS
- 3.1 MAST DESIGN = AS/NZS 1170
- 3.2 MATERIAL = AZ/NZS 4600
- 3.3 WELDING (ELECTRIC ARC WELDING) =
- 3.4 GALVANISING = AS/NZS 4680

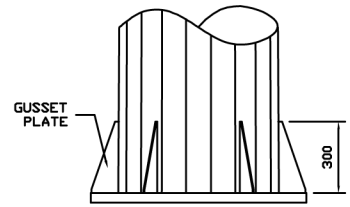
4) TESTING PROCEDURES = DIMENSIONAL VERIFICATION, GALVANISING THICKNESS, MATERIAL THICKNESS

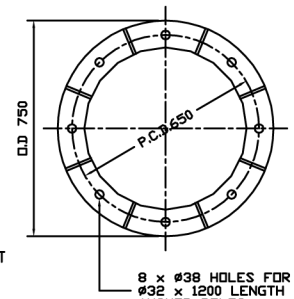
NOTES :

THE LATCHING MECHANISM USES SELF LOCKING SYSTEM FULLY OPERATIONAL BY LAW OF GRAVITY AND MUST NOT CONTAIN MECHANICAL COMPONENTS SUCH AS SPRINGS, LEVERS ETC.



SERVICE DOOR COMPARTMENT





BASE FLANGE
STIFFENED WITH GUSSET PLATE

REV.	DATE	BY	DESCRIPTION

PROJECT

OWNER

M & E CONSULTANT

MAIN CONTRACTOR

DRAWING TITLE: 20M HIGH MAST

MANUFACTURER

GALVANISED POLES AUSTRALIA
45 Briggs Street, Welshpool, Western Australia 6106
P: 1300 790 343
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www.galvanisedpolesaustralia.com

DRAWN BY : D.C.		DATE : 22-10-2007	
SCALE : D.C.		CHKD. BY : D.C.	
DRAW NO. : HM-PRELILMINARY		REVISION 00	