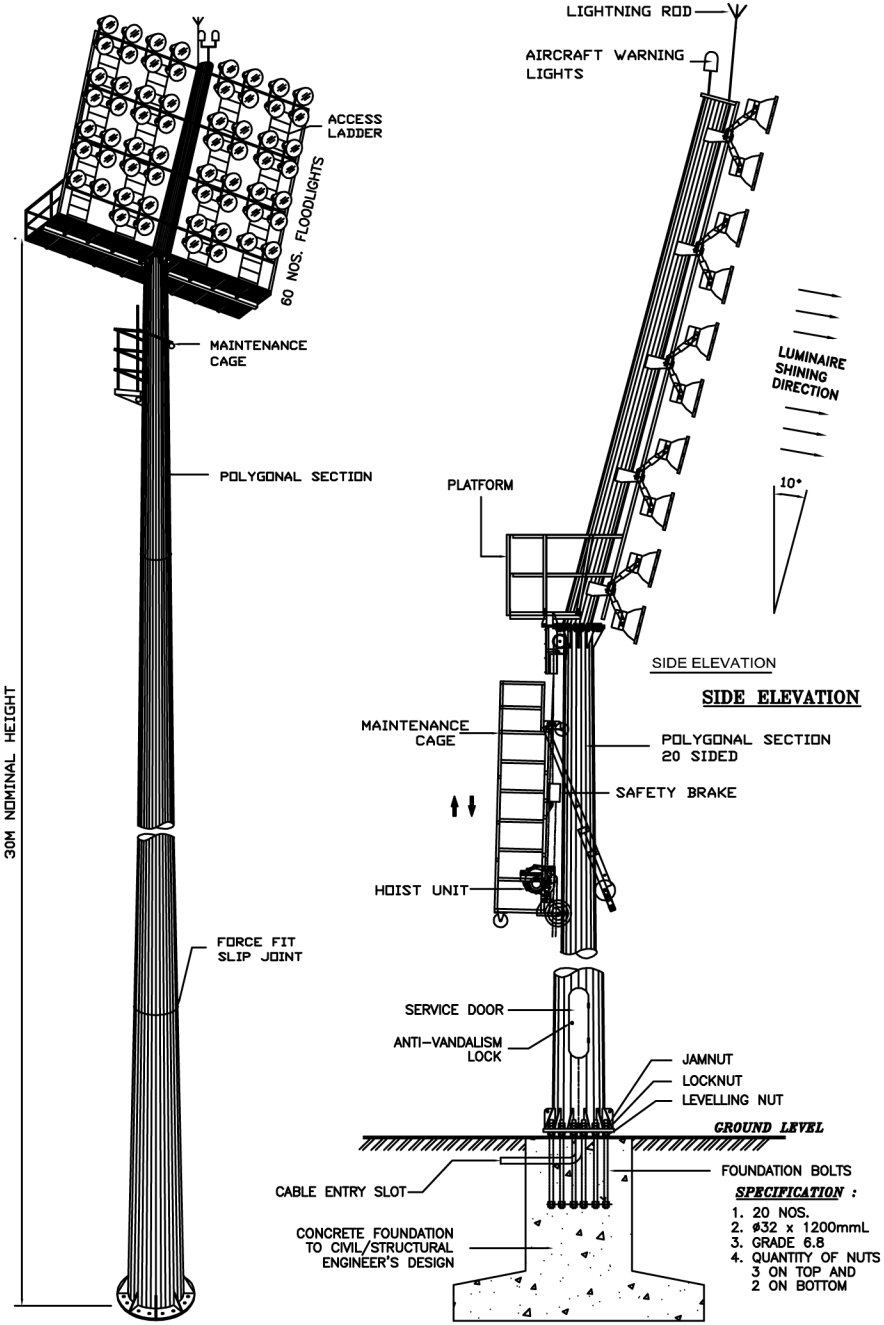
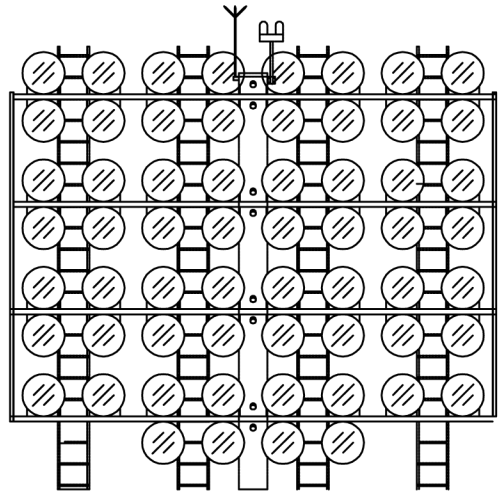


SIDE ELEVATION

SIDE ELEVATION



HEADFRAME FOR 60 NOS. FLOODLIGHTS

SPECIFICATION

1) STADIUM MAST DIMENSION
   - 1.1 MOUNTING HEIGHT = 30M
   - 1.2 CROSS SECTION SHAPE (NO OF SIDES) = 20
   - 1.3 MAX. TOTAL NO OF SECTIONS = 5
   - 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

2) CONFIRMING STANDARDS
   - 2.1 MAST DESIGN = AS/NZS 1170
   - 2.2 MATERIAL = AZ/NZS 4600
   - 2.3 WELDING (ELECTRIC ARC WELDING) =
   - 2.4 GALVANISING = AS/NZS 4680

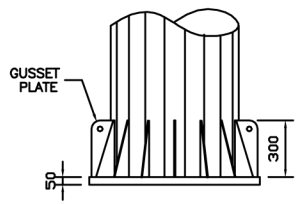
3) DESIGN CONDITIONS
   - 3.1 DESIGN BASIC WIND SPEED = 35M/S AT 10M HEIGHT
   - 3.2 UNFACTORED ON DESIGN WIND SPEED
   - 3.3 SAIL AREA PER FITTING = 0.3M2
   - 3.4 NUMBER OF FITTING = 60
   - 3.5 TOTAL SAIL AREA FOR FITTINGS = 18.0M2
   - 3.6 SAIL AREA FOR HEADFRAME AND PLATFORM = 5.0M2
   - 3.7 TOTAL DESIGN SAIL AREA = 23.0M2

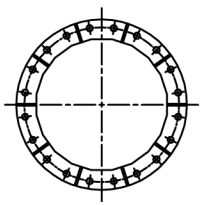
4) FOUNDATION DESIGN
   THE FOUNDATION DESIGN SHOULD BASE ON THE SOIL BEARING CAPACITY AND GROUND REACTION DUE TO DESIGN WIND LOAD.

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

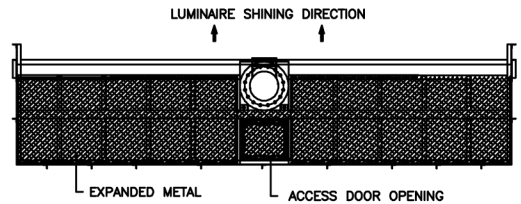
NOTES :

THE EXACT DIMENSIONS OF LUMINAIRES SUPPORTING STRUCTURE SHALL BE SUBJECT TO THE NUMBER AND RATINGS OF LUMINAIRES REQUIRED BY STADIUM LIGHTING SPECIALIST.

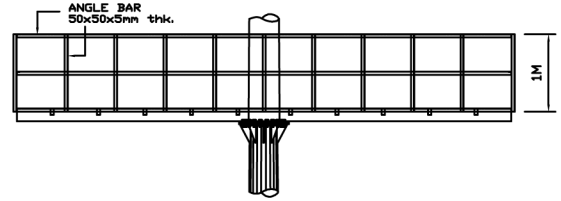




BASE FLANGE
STIFFENED WITH GUSSET PLATE



PLATFORM PLAN



PLATFORM ELEVATION

REV .	DATE	BY	DESCRIPTION

PROJECT

OWNER

ELECTRICAL CONTRACTOR

DRAWING TITLE

30M STADIUM POLE

MANUFACTURER

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DRAWN BY : D.C.		DATE : 22-04-2010	
SCALE : D.C.		CHKD. BY : D.C.	
DRAW NO. : SM preliminary		REVISION	00