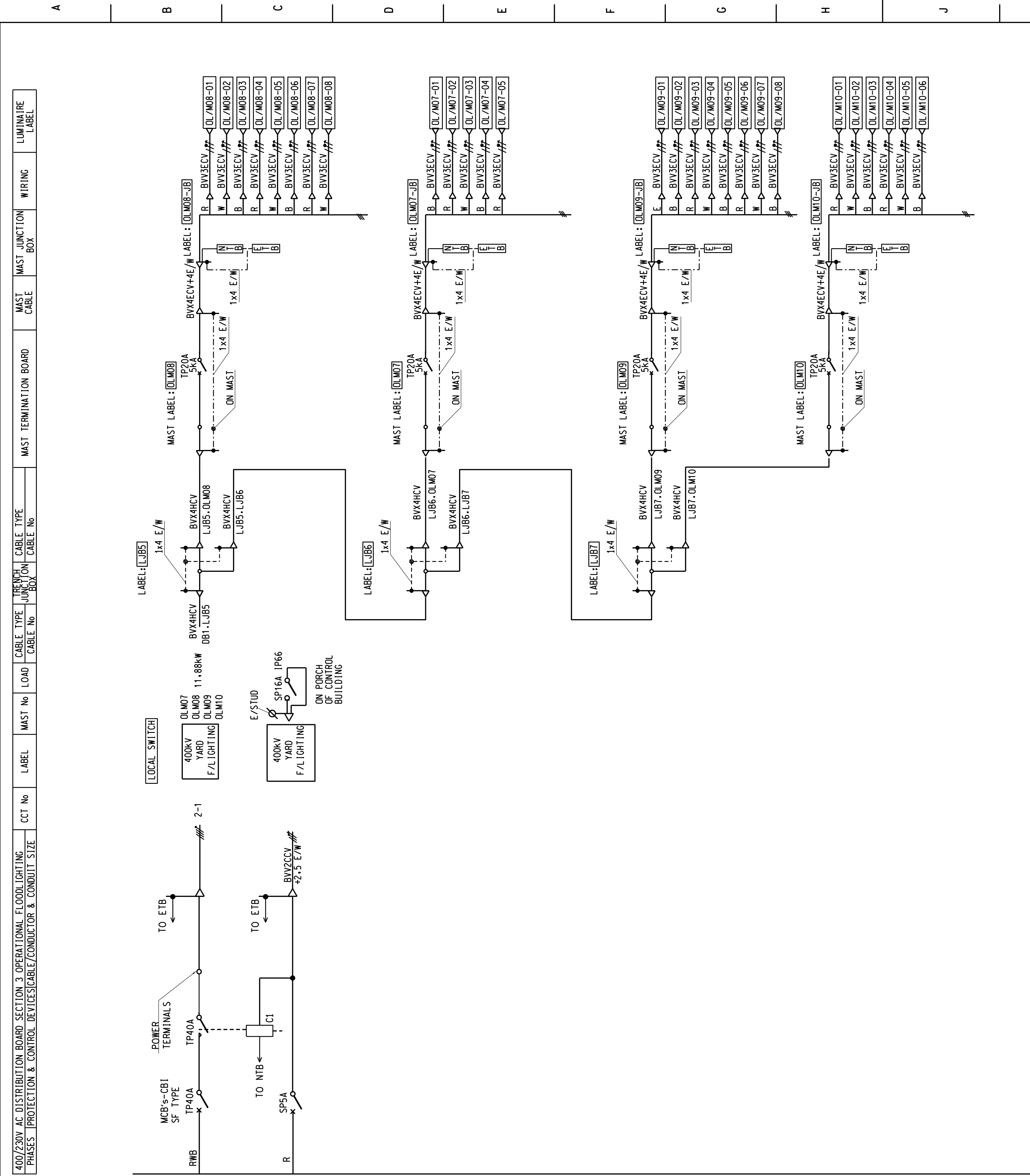



- NOTES:**
1. OPERATIONAL FLOODLIGHTING ELECTRICAL INSTALLATION WORK SHALL BE IN ACCORDANCE WITH:
    - 1.1. TECHNICAL SPECIFICATION
    - 1.2. SANS 10138
    - 1.3. SANS 10139
  2. EARTH & NEUTRAL TERMINALS IN MAST TERMINATION BOARD & MAST JUNCTION BOX SHALL BE OF THE PRESSURE PLATE TYPE WITH CAPTIVE SCREWS.
  3. FOR OPERATIONAL FLOODLIGHTING:
    - 3.1. CONTROL SWITCHES (IP66) SHALL BE FLUSH MOUNTED ON PORCH AS INDICATED.
  4. FOR THE OPERATIONAL FLOODLIGHTING MAST TERMINATION BOARD, THE CONTRACTOR SHALL MOUNT THEIR ELECTRICAL TERMINALS ON THE INSIDE OF THE MAST AT ITS BASE, AND BE ACCESSIBLE FOR MAINTENANCE.
  5. FOR THE OPERATIONAL FLOODLIGHTING MAST JUNCTION BOXES THE CONTRACTOR SHALL MOUNT THEIR ELECTRICAL EQUIPMENT WITHIN A "YORK" TYPE OR EQUIVALENT FIBRE GLASS BOX.
    - 5.1. THE BOX SHALL BE WEATHERPROOF AND RATED IP65 ACCORDING TO SABS 1222. THE BOX SHALL BE FIRMLY SECURED TO THE MAST PLATFORM USING HOT DIP GALVANISED FLANGE CLAMPS OR BOLTS.
    - 5.2. FOR PADLOCKABLE LEVER LOCK REFER TO DON 0.52/1037 AND PANEL FASTENERS REFER TO 0.52/1038.
    - 5.3. FOR ENGRAVING & LABELLING REQUIREMENTS REFER TO DON 0.00/5007.
  6. CABLE GLANDS SHALL BE FIXED TO GLAND PLATE AT MAST TERMINATION BOARD IN MAST & BONDED VIA CLAMPING TO THE SAME.
  7. CABLE GLAND FOR OUTGOING CABLE TO MAST JUNCTION BOX FROM MAST TERMINATION BOARD SHALL BE FIXED ON THE SAME CABLE GLAND PLATE AS ALL OTHER ARMoured CABLES. ALL ARMoured CABLES SHALL EXIT THE MAST TERMINATION BOARD FROM BOTTOM OF CABLE GLAND PLATE.
  8. ALL WIRING AND CABLE GLANDS AT MAST JUNCTION BOX ON PLATFORM TO BE UV-PROTECTED BLACK PVC.
  9. MAST JUNCTION BOXES DRAWINGS & FACTORY INSPECTIONS:
    - a. THE CONSECUTIVE NUMBERING FOR THE LABELLING UNDER THE DEVICES SHALL BE PROVIDED.
    - b. THE LEGEND CARD SHALL BE SUPPLIED WITH THE BOARD WITH SUITABLE POCKETS ON THE INSIDE OF THE DOOR
    - c. THE LEGEND CARD SHALL ALSO BE SHOWN ON THE MAKER'S DRAWING

**ELECTRICAL LEGEND:**

- CONTACTOR
- CIRCUIT BREAKER
- SWITCH-DISCONNECTOR
- CABLE GLAND WITH EARTH TAG
- EARTH STUD
- TERMINALS



**FINAL DESIGN  
FOR CONSTRUCTION**

REV	REVISION DESCRIPTION	BY	CHKD	DATE	REFERENCE DRAWING
APPROVED BY	 Eskom				
CHECKED BY	Eskom Holdings SOC Ltd Reg. No. 2002/015567/20				
DATE	DRAWN BY				
DATE	SCALE				
SHEET NUMBER					3
REVISION					0

OPERATIONAL FLOODLIGHTING  
400/230V AC SCHEMATIC AND CABLE BLOCK  
DIAGRAM

©

20

21

22

SCALE

SHEET NUMBER

REVISION