



- NOTES:
1. OPERATIONAL FLOODLIGHTING ELECTRICAL INSTALLATION WORK SHALL BE IN ACCORDANCE WITH:
    - 1.1. TECHNICAL SPECIFICATION
    - 1.2. SANS 10142
    - 1.3. SANS 10198
  2. POWER CABLES SHALL FOLLOW CABLE ROUTE AS SHOWN. WHEN LEAVING THE CABLE TRENCHES, THE CABLE SHALL PASS BELOW THE TRENCH WALL FOUNDATION
  3. POWER CABLES FOLLOWING ROUTES OUTSIDE THE CABLE TRENCHES SHALL BE BURIED AT A MINIMUM OF 500mm BELOW THE FINISHED TERRACE LEVEL
  4. ROUTE MARKERS SHALL BE USED TO INDICATE ROUTE DEVIATIONS FOR BURIED CABLES IN ACCORDANCE WITH DRG 0.00/1286. POSITION INDICATED BY ⑩
  5. POWER CABLES SHALL BE LABELLED IN ACCORDANCE WITH DRG 0.00/1290. CABLE NUMBERS ARE INDICATED ON DRAWING & IN CABLE SCHEDULE
  6. POWER CABLES SHALL FOLLOW CABLE TRENCHES INSIDE CONTROL BUILDING
  7. 400V/230V AC DBI LOCATION & SIZE NOT TO SCALE
  8. REFER TO FOUNDATION, TRENCH & EARTH MAT LAYOUT FOR THE EXACT LOCATION OF OPERATIONAL FLOODLIGHTING MASTS
  9. 400V/230V AC DBI SHALL BE EARTHED USING 4.10mm DIAMETER BARE COPPER EARTH WIRE. THIS EARTH WIRE SHALL BE CONNECTED TO THE EXISTING EARTH CONDUCTOR WITHIN THE CABLE TRENCHES INSIDE THE CONTROL BUILDING
  10. FOR DETAILS OF FLOODLIGHT MAST AND FOUNDATION REFER TO DRAWINGS 0.54/4658 AND 0.54/4659 RESPECTIVELY.

400 kV YARD

CABLE SCHEDULE FOR OPERATIONAL F/LIGHTING LV RETICULATION						
CABLE No	CABLE TYPE	FROM	TO	ESTIMATED LENGTH (m)	ACTUAL LENGTH (m)	
DB1.LJB1	BVX4HCV	DB1	LJB1	50		
LJB1.OLM01	BVX4HCV	LJB1	OLM01	90		
LJB1.OLM02	BVX4HCV	LJB1	OLM02	120		
DB1.LJB2	BVX4HCV	DB1	LJB2	5		
LJB2.OLM03	BVX4HCV	LJB2	OLM03	100		
LJB2.OLM04	BVX4HCV	LJB2	OLM04	50		

132kV YARD

CABLE SCHEDULE FOR OPERATIONAL F/LIGHTING LV RETICULATION						
CABLE No	CABLE TYPE	FROM	TO	ESTIMATED LENGTH (m)	ACTUAL LENGTH (m)	
DB1.LJB3	BVX4HCV	DB1	LJB3	40		
LJB3.OLM05	BVX4HCV	LJB3	OLM05	80		
LJB3.OLM06	BVX4HCV	LJB3	OLM06	70		

- LEGEND
- 24m MAST
  - CABLE TAG DETAIL
  - CABLE ROUTE MARKER
  - OLMXX - MAST NUMBER
  - XXXX-XXXX - CABLE ROUTE NUMBER
  - LJB - JP68 'PRATLEY' TYPE CABLE JUNCTION BOX IN TRENCH

REV	ADDDY YARD ADDED.	APP	MP1	DATE	REFERENCE DRAWINGS
APPROVED BY	P. TUNAHMETZ	BY	CHD	DATE	ESKOM HOLDINGS LIMITED
CHECKED BY	P. TUNAHMETZ	DATE	22.07.09	REG NO.	2002/015527/06
DRAWN BY	A. RAHIDE	DATE	FEB 2009	SHEET NUMBER	1
SCALE	1:1000			REVISION	1

GUMENI  
OPERATIONAL FLOODLIGHTING  
CABLE ROUTE AND MAST LOCATION  
LAYOUT

0.08/19500