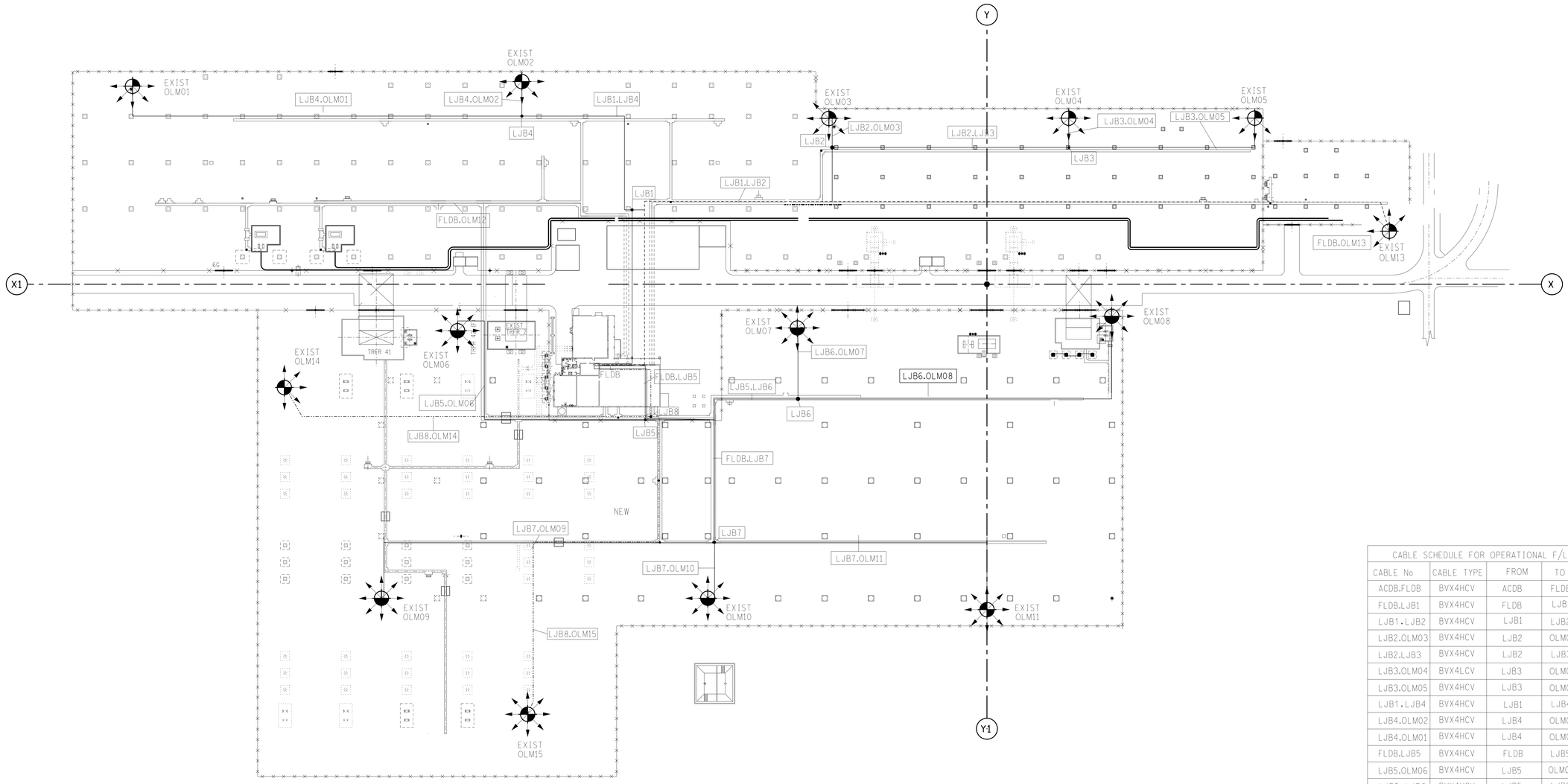
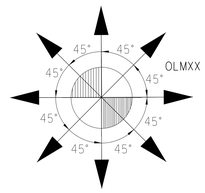


CABLE SCHEDULE FOR OPERATIONAL F/LIGHTING LV RETICULATION					
CABLE No	CABLE TYPE	FROM	TO	ESTIMATED LENGTH (m)	ACTUAL LENGTH (m)
ACDB.FLDB	BVX4HCV	ACDB	FLDB	30	
FLDB.LJB1	BVX4HCV	FLDB	LJB1	70	
LJB1.LJB2	BVX4HCV	LJB1	LJB2	90	
LJB2.OLM03	BVX4HCV	LJB2	OLM03	15	
LJB2.LJB3	BVX4HCV	LJB2	LJB3	80	
LJB3.OLM04	BVX4LCV	LJB3	OLM04	15	
LJB3.OLM05	BVX4HCV	LJB3	OLM05	80	
LJB1.LJB4	BVX4HCV	LJB1	LJB4	70	
LJB4.OLM02	BVX4HCV	LJB4	OLM02	15	
LJB4.OLM01	BVX4HCV	LJB4	OLM01	150	
FLDB.LJB5	BVX4HCV	FLDB	LJB5	40	
LJB5.OLM06	BVX4HCV	LJB5	OLM06	100	
LJB5.LJB6	BVX4HCV	LJB5	LJB6	60	
LJB6.OLM07	BVX4HCV	LJB6	OLM07	30	
LJB6.OLM08	BVX4HCV	LJB6	OLM08	140	
FLDB.LJB7	BVX4HCV	FLDB	LJB7	100	
LJB7.OLM09	BVX4HCV	LJB7	OLM09	140	
LJB7.OLM10	BVX4HCV	LJB7	OLM10	40	
LJB7.OLM11	BVX4HCV	LJB7	OLM11	120	
FLDB.OLM13	BVX4HCV	FLDB	OLM13	340	
FLDB.LJB8	BVX4HCV	FLDB	LJB8	30	
LJB8.OLM14	BVX4HCV	LJB8	OLM14	120	
LJB8.OLM15	BVX4HCV	LJB8	OLM15	170	

NEW
SCHEDULE OF FLOODLIGHTING LUMINAIRES

MAST No	QTY	DESCRIPTION OF LUMINAIRE	SUPPLIERS	CAT No
OLM01 TO OLM15	92	244W LED LUMINAIRE, 4000K, 120LM/W	GENLUX LIGHTING	KRATOS 41819



MAST AND LUMINAIRE DIRECTION

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 Ⓜ
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. 400/230V AC DB1 LOCATION & SIZE NOT TO SCALE
8. REFER TO FOUNDATION, TRENCH & EARTHMAT LAYOUT FOR THE EXACT LOCATION OF OPERATIONAL FLOODLIGHTING MASTS
9. 400/230V AC DB1 SHALL BE EARTHED USING A 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.
11. IT IS THE RESPOSIBILITY OF THE CONTRACTOR TO ENSURE THE CORRECTNESS OF THE TAINING AND TILTING ANGLES OF THE LUMINAIRES, TO OBTAIN THE HIGHEST ILLUMINATION LEVELS.
12. POSITIVE & SUBSTANTIAL MEANS OF FIXING TO THE LUMINAIRE MOUNTING RING SHALL BE PROVIDED, DESIGNED TO ALLOW ADJUSTMENT & TO ENSURE THAT ONCE IN THE REQUIRED POSITION THE LUMINAIRE REMAINS FIXED
13. PROTRACTOR SCALES SHALL BE FIRMLY FIXED TO FLOODLIGHTING LUMINAIRES & THE ANGULAR SETTING SHALL NOT BE PRONE TO ALTERATION DURING CLEANING OPERATIONS
14. ALL FLOODLIGHT LUMINAIRES SHALL BE ORIENTATED AS SHOWN ON THE LAYOUT
15. ALL LUMINAIRES SHALL BE REPLACED WITH LUMINAIRES INDICATED IN SCHEDULE. CABLE BETWEEN MAST JB AND LUMINAIRE SHALL BE RPLACED, BVX3CCV.

LEGEND:

- – 24m MAST NEW
- – 18m MAST EXISTING
- – 14m MAST EXISTING
- – CABLE TAG DETAIL
- Ⓜ – CABLE ROUTE MARKER
- OLMXX – MAST NUMBER
- XXXX.XXXX – CABLE ROUTE NUMBER
- LJBX – IP68 'PRATLEY' TYPE CABLE JUNCTION BOX IN TRENCH

FINAL DESIGN FOR CONSTRUCTION

REV	REVISION DESCRIPTION	DRAWN	CHKD	AUTH	DATE	REFERENCE DRAWINGS
1	REVISED FOR CONSTRUCTION	AR		AR	07/08/2025	

APPROVED BY: AR NAUDE — DATE 09/12/2021
CHECKED BY: DB NAUDE — DATE 09/12/2021
DRAWN BY: AR NAUDE — DATE 09/12/2021
SCALE AS SHOWN

Eskom

Eskom Holdings SOC Ltd
Reg No 2002/015527/30

PEMBROKE
OPERATIONAL FLOODLIGHTING
CABLE ROUTE AND MAST LOCATION LAYOUT

©

PEM13P01-SE-E44 | SHEET NUMBER 1 | REVISION 1

SIZE GRODTE A1L