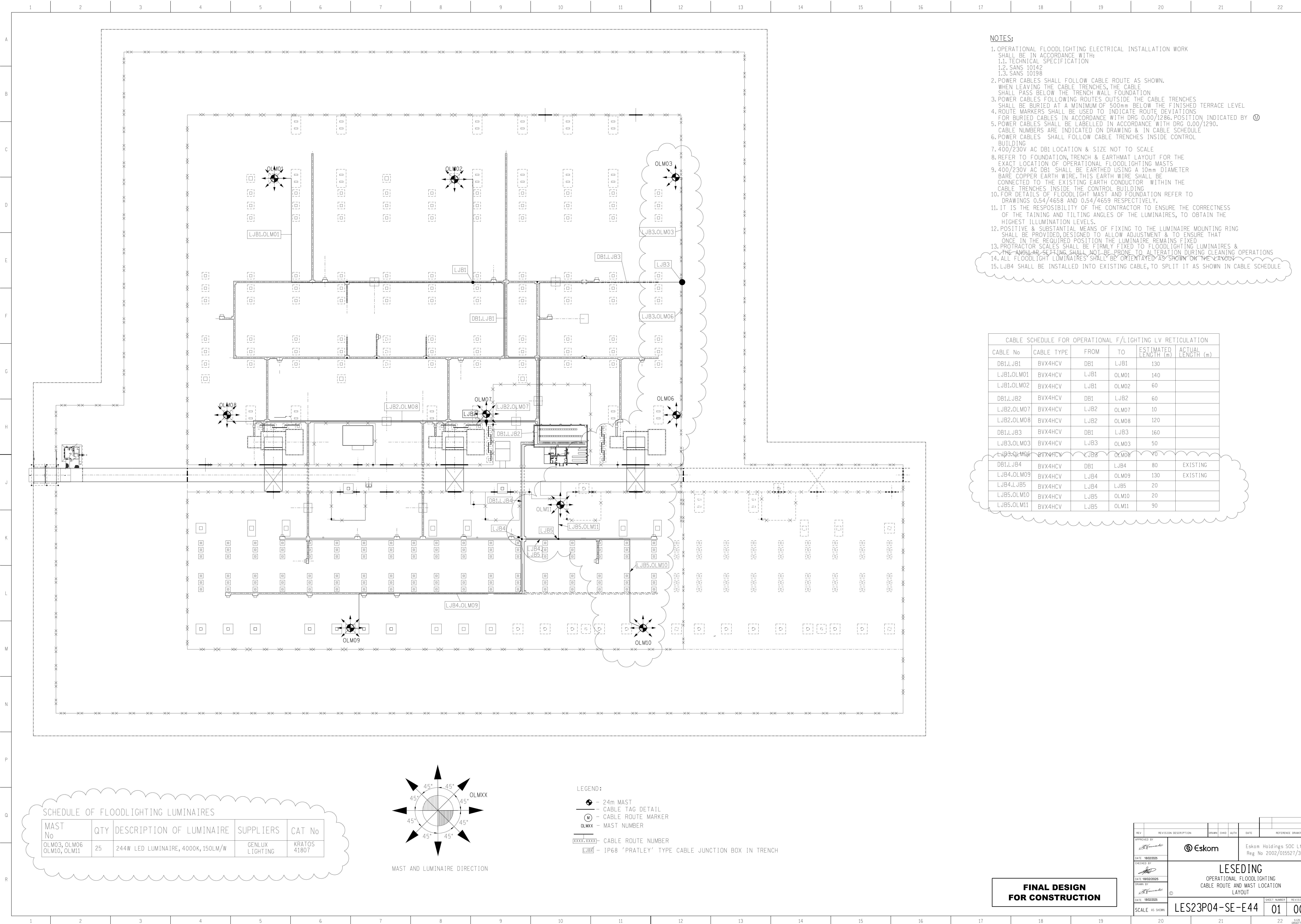
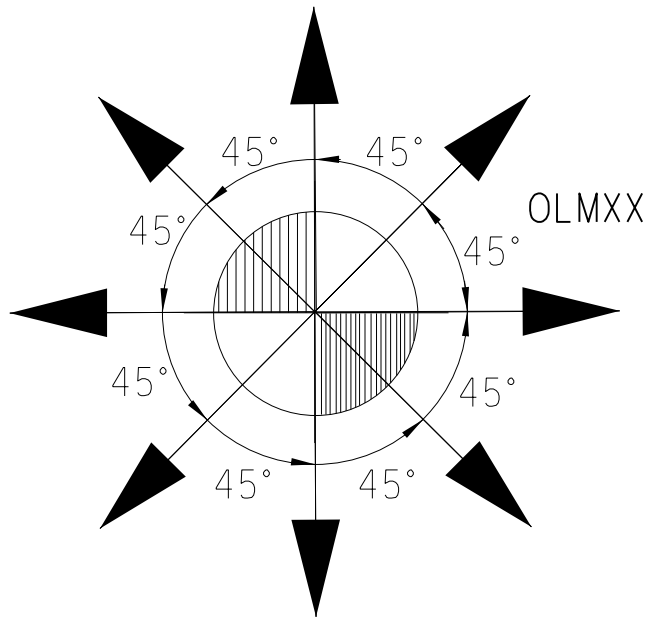




- NOTES:**
1. OPERATIONAL FLOODLIGHTING ELECTRICAL INSTALLATION WORK SHALL BE IN ACCORDANCE WITH:
1.1. TECHNICAL SPECIFICATION
1.2. SANS 10142
1.3. SANS 10198
 2. POWER CABLES SHALL FOLLOW CABLE ROUTE AS SHOWN. WHEN LEAVING THE CABLE TRENCHES, THE CABLE SHALL PASS BELOW THE TRENCH WALL FOUNDATION
 3. 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 (M)
 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 RESPONSIBILITY 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 ANGLE SETTINGS SHALL NOT BE PRONE TO ALTERATION DURING CLEANING OPERATIONS
 14. ALL FLOODLIGHT LUMINAIRES SHALL BE ORIENTATED AS SHOWN ON THE LAYOUT
 15. LJB4 SHALL BE INSTALLED INTO EXISTING CABLE, TO SPLIT IT AS SHOWN IN CABLE SCHEDULE

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	130	
LJB1.OLM01	BVX4HCV	LJB1	OLM01	140	
LJB1.OLM02	BVX4HCV	LJB1	OLM02	60	
DB1.LJB2	BVX4HCV	DB1	LJB2	60	
LJB2.OLM07	BVX4HCV	LJB2	OLM07	10	
LJB2.OLM08	BVX4HCV	LJB2	OLM08	120	
DB1.LJB3	BVX4HCV	DB1	LJB3	160	
LJB3.OLM03	BVX4HCV	LJB3	OLM03	50	
LJB3.OLM06	BVX4HCV	LJB3	OLM06	70	
DB1.LJB4	BVX4HCV	DB1	LJB4	80	EXISTING
LJB4.OLM09	BVX4HCV	LJB4	OLM09	130	EXISTING
LJB4.LJB5	BVX4HCV	LJB4	LJB5	20	
LJB5.OLM10	BVX4HCV	LJB5	OLM10	20	
LJB5.OLM11	BVX4HCV	LJB5	OLM11	90	

SCHEDULE OF FLOODLIGHTING LUMINAIRES				
MAST No	QTY	DESCRIPTION OF LUMINAIRE	SUPPLIERS	CAT No
OLM03, OLM06 OLM10, OLM11	25	244W LED LUMINAIRE, 4000K, 150LM/W	GENLUX LIGHTING	KRATOS 41807



- LEGEND:**
- - 24m MAST
 - - CABLE TAG DETAIL
 - (M) - 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	CHECKED	DATE	REFERENCE DRAWING
APPROVED BY						Eskom Holdings SOC Ltd Reg No 2002/015527/30	
DATE		18/02/2025		LESEDED OPERATIONAL FLOODLIGHTING CABLE ROUTE AND MAST LOCATION LAYOUT			
CHECKED BY							
DATE		18/02/2025					
DRAWN BY							
DATE		18/02/2025		LES23P04-SE-E44 SHEET NUMBER 01 REVISION 00			
SCALE		AS SHOWN					