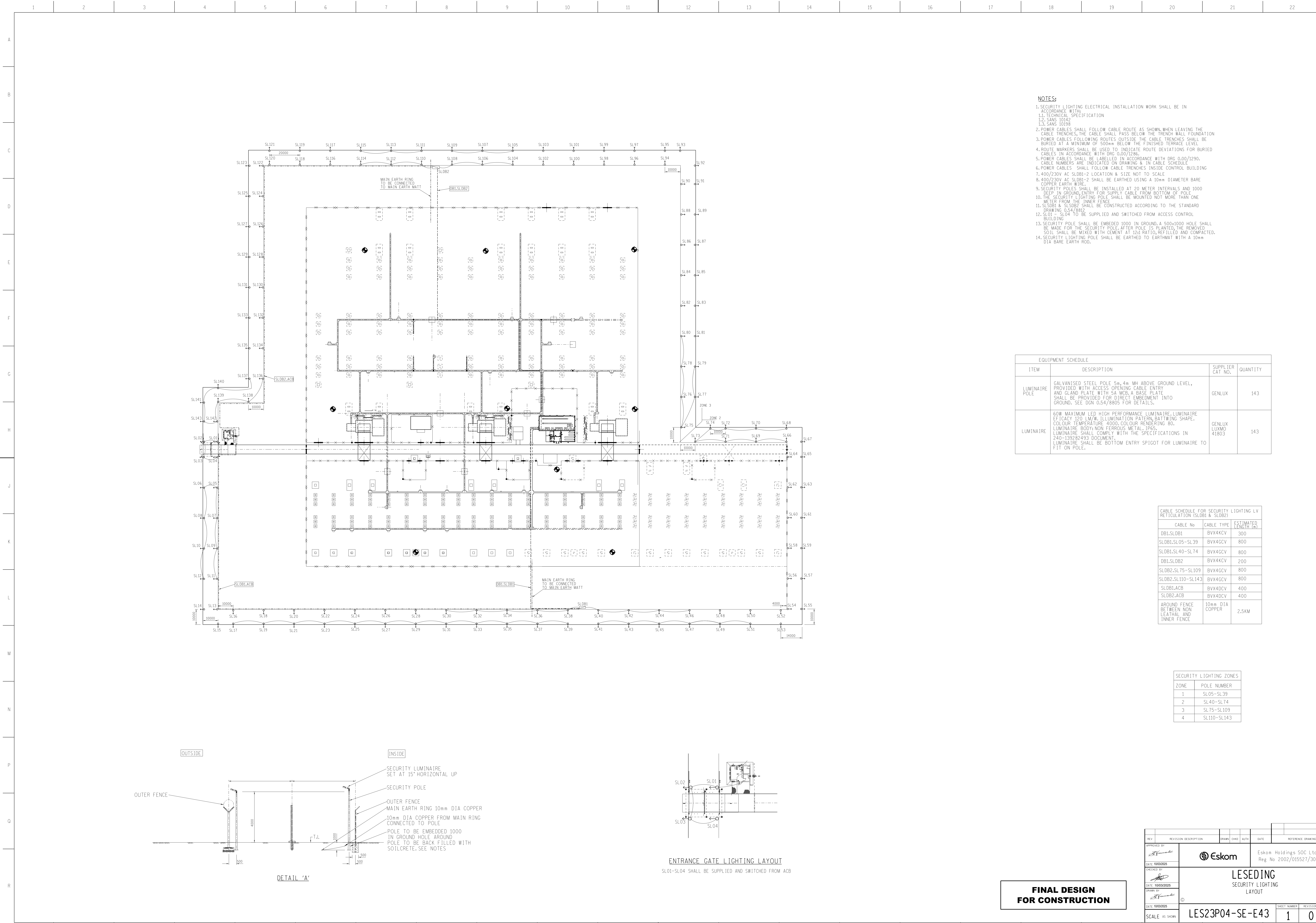


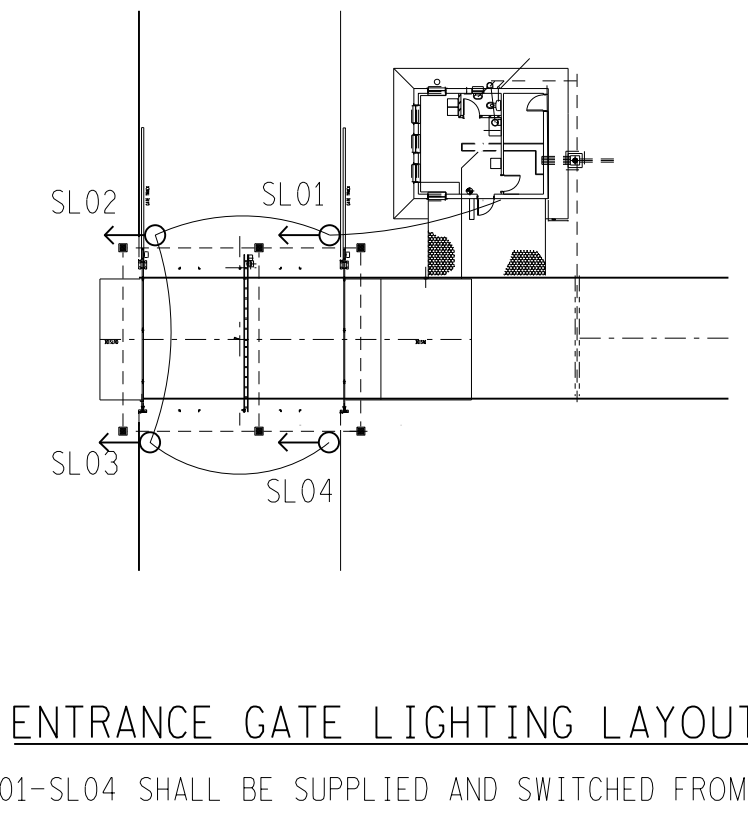
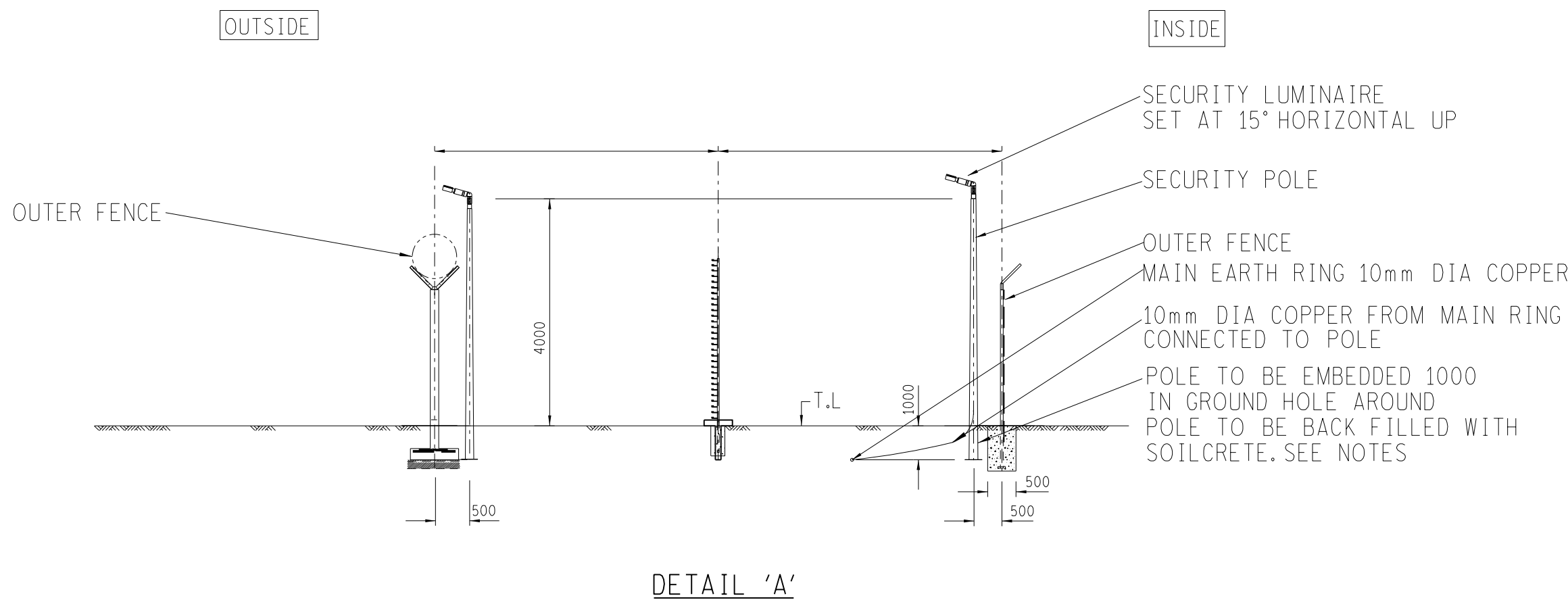


- NOTES:**
1. SECURITY LIGHTING ELECTRICAL INSTALLATION WORK SHALL BE IN ACCORDANCE WITH:
1.1. TECHNICAL SPECIFICATION
1.2. SANS 10142
1.3. SANS 10198
 2. POWER CABLES SHALL FOLLOW CABLE ROUTE AS SHOWN. WHEN LEAVING THE CABLE TRENCHES, THE CABLE SHALL PASS BELOW THE TRENCH WALL FOUNDATION.
 3. POWER 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 0.00/1290.
 5. POWER CABLES SHALL BE LABELED 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 SLOB1-2 LOCATION & SIZE NOT TO SCALE.
 8. 400/230V AC SLOB1-2 SHALL BE EARTHED USING A 10mm DIAMETER BARE COPPER EARTH WIRE.
 9. SECURITY POLES SHALL BE INSTALLED AT 20 METER INTERVALS AND 1000 DEEP IN GROUND, ENTRY FOR SUPPLY CABLE FROM BOTTOM OF POLE.
 10. THE SECURITY LIGHTING POLE SHALL BE MOUNTED NOT MORE THAN ONE METER FROM THE INNER FENCE.
 11. SLOB1 & SLOB2 SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD DRAWING 0.54/885.
 12. SLO1 - SLO4 TO BE SUPPLIED AND SWITCHED FROM ACCESS CONTROL BUILDING.
 13. SECURITY POLE SHALL BE EMBEDDED 1000 IN GROUND. A 500x1000 HOLE SHALL BE MADE FOR THE SECURITY POLE. AFTER POLE IS PLANTED, THE REMOVED SOIL SHALL BE MIXED WITH CEMENT AT 12:1 RATIO, REFILLED AND COMPACTED.
 14. SECURITY LIGHTING POLE SHALL BE EARTHED TO EARTH MAT WITH A 10mm DIA BARE EARTH ROD.

EQUIPMENT SCHEDULE			
ITEM	DESCRIPTION	SUPPLIER CAT NO.	QUANTITY
LUMINAIRE POLE	GALVANISED STEEL POLE 5m, 4m MH ABOVE GROUND LEVEL, PROVIDED WITH ACCESS OPENING, CABLE ENTRY AND GLAND PLATE WITH SA MCB, A BASE PLATE SHALL BE PROVIDED FOR DIRECT EMBEDMENT INTO GROUND. SEE DGN 0.54/8805 FOR DETAILS.	GENLUX	143
LUMINAIRE	60W MAXIMUM LED HIGH PERFORMANCE LUMINAIRE, LUMINAIRE EFFICACY 120 LM/W, ILLUMINATION PATTERN, BATTING SHAPE, COLOUR TEMPERATURE 4000, COLOUR RENDERING 80. LUMINAIRE BODY: NON FERROUS METAL, IP65. LUMINAIRE SHALL COMPLY WITH THE SPECIFICATIONS IN 240-139282493 DOCUMENT. LUMINAIRE SHALL BE BOTTOM ENTRY SPIGOT FOR LUMINAIRE TO FIT ON POLE.	GENLUX LUXMO 41803	143

CABLE SCHEDULE FOR SECURITY LIGHTING LV RETICULATION (SLOB1 & SLOB2)		
CABLE No	CABLE TYPE	ESTIMATED LENGTH (m)
DB1.SLOB1	BVX4KCV	300
SLOB1.SL05-SL39	BVX4CCV	800
SLOB1.SL40-SL74	BVX4CCV	800
DB1.SLOB2	BVX4KCV	200
SLOB2.SL75-SL109	BVX4CCV	800
SLOB2.SL110-SL143	BVX4CCV	800
SLOB1.ACB	BVX4CCV	400
SLOB2.ACB	BVX4CCV	400
AROUND FENCE BETWEEN NON LEATHAL AND INNER FENCE	10mm DIA COPPER	2.5KM

SECURITY LIGHTING ZONES	
ZONE	POLE NUMBER
1	SL05-SL39
2	SL40-SL74
3	SL75-SL109
4	SL110-SL143



**FINAL DESIGN
FOR CONSTRUCTION**

REV	REVISION DESCRIPTION	DRAWN	CHECKED	DATE	REFERENCE DRAWINGS
APPROVED BY					
DATE	10/03/2025				
CHECKED BY					
DATE	10/03/2025				
DRAWN BY					
DATE	10/03/2025				
SCALE	AS SHOWN				
Eskom Holdings SOC Ltd Reg No 2002/015527/30		LES23P04-SE-E43			
LES23P04-SE-E43		SHEET NUMBER		REVISION	
1		0		AOL	