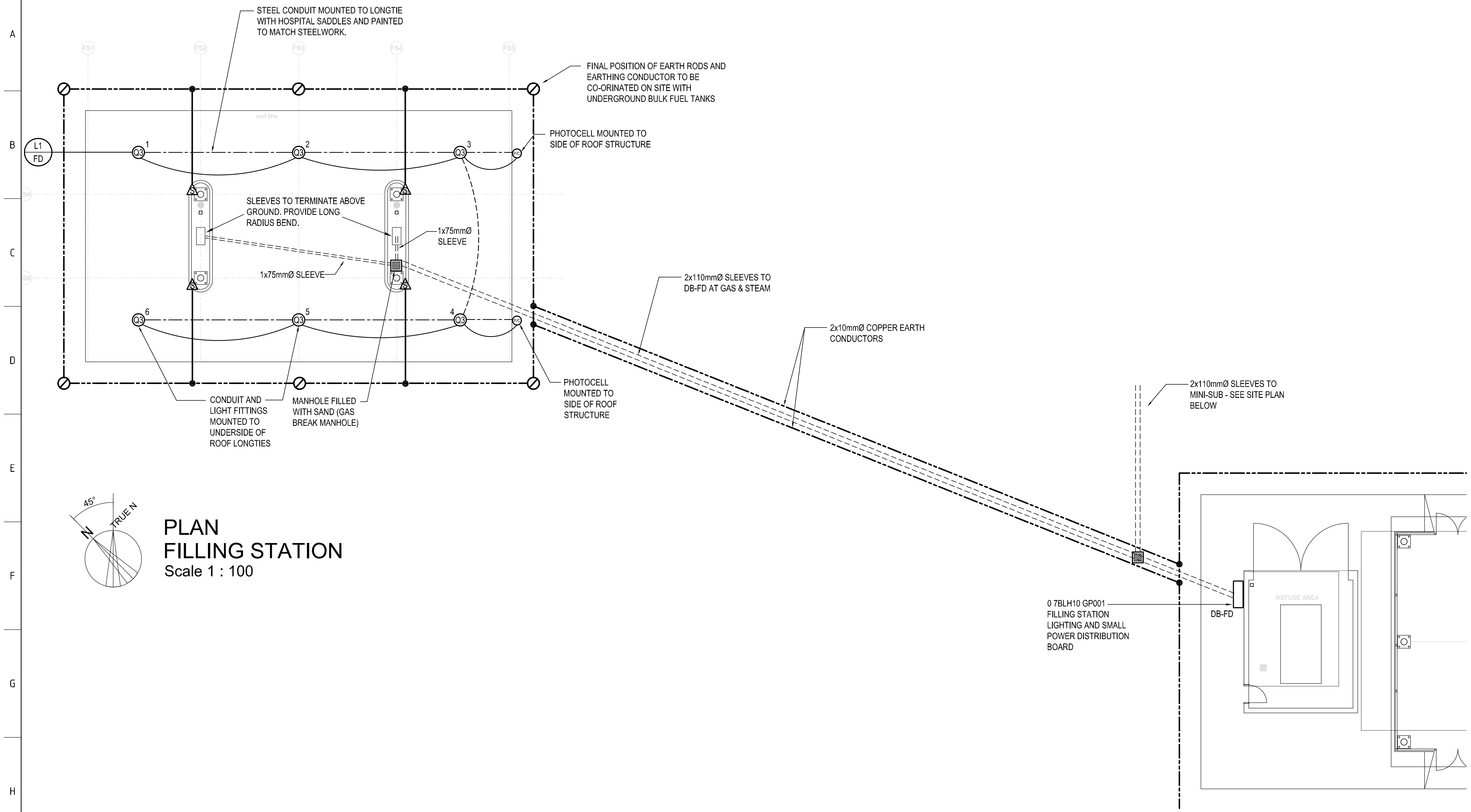
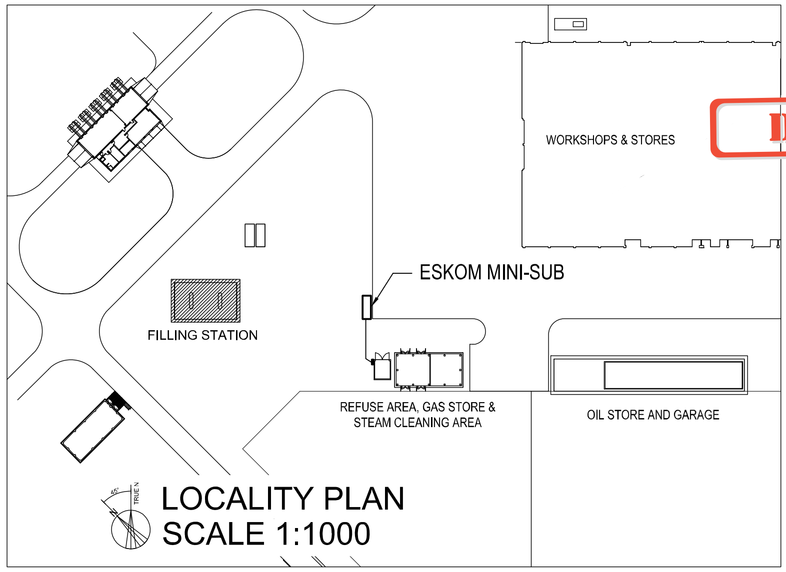


PLAN
FILLING STATION
Scale 1 : 100



LOCALITY PLAN
SCALE 1:1000

DRAFT

SYMBOLS

- CEILING MOUNTED LIGHT FITTING
- WEATHER PROOF SURFACE MOUNTED DISTRIBUTION BOARD
- INDICATES LIGHT SWITCHING
- INDICATES SURFACE MOUNTED CONDUIT
- EARTH CONNECTION TO STEEL STRUCTURE
- EARTH MAT CONDUCTOR CIRCULAR ANNEALED COPPER ROD 10mm DIA BURRIED 1000mm BELOW GROUND
- EARTHING TAIL CONDUCTOR CIRCULAR ANNEALED COPPER ROD 2 x 10mm DIA RODS
- BRAZED, EXOTHERMIC OR APPROVED CONNECTION
- EARTH ROD 16MM DIA X 3 X 1,5M LENGTH COPPER CLAD STEEL RODS CONNECTED (4,5M).
- P1 / FD — INDICATES CIRCUIT NUMBER / INDICATES DB NUMBER

ILLUMINATION LEVELS

TYPE OF ROOM	LUX
FUEL COURT	200

KUSILE POWER STATION SCHEDULE OF LIGHT FITTINGS

Q3	250W HPS LOW BAY LIGHT FITTING SIMILAR TO BEKATEC LOW BAY 250W HPS/E

NOTES

1. THIS DRAWING IS PREPARED AND ISSUED IN LINE WITH THE LATEST INFORMATION AVAILABLE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LIAISE WITH ALL OTHER CONTRACTORS INVOLVED TO ENSURE THAT LUMINAIRES CAN BE INSTALLED AS DESIGNED. IN THE EVENT OF ANY CONFLICT OF INTEREST, IT MUST BE IMMEDIATELY REFERRED TO AN ESKOM SITE ENGINEER. UNDER NO CIRCUMSTANCES WILL ESKOM PAY FOR LUMINAIRES TO BE INSTALLED, REMOVED AND RE-INSTALLED.
2. THE FINAL LUMINAIRE LAYOUT SHALL BE APPROVED ON SITE BY ESKOM SITE ENGINEERS.
3. ALL LUMINAIRE MOUNTING HEIGHTS ARE ABOVE F.F.L. AND TO THE UNDERSIDE OF THE LUMINAIRE.
4. SHOULD THE LUMINAIRE POSITION OR HEIGHT AS SHOWN INTERFERE WITH A/C DUCTING OR MECHANICAL PIPING, THE CONTRACTOR SHALL INSTALL THE LUMINAIRE IN A CONVENIENT POSITION OR HEIGHT NOT MORE THAN 500mm BELOW A/C DUCTING OR MECHANICAL PIPING IN THE IMMEDIATE VICINITY OF THE ORIGINAL POSITION.
5. CIRCUIT WIRING FOR LIGHT CIRCUITS SHALL CONSIST OF 2,5mm² PVC INSULATED Cu CONDUCTORS
6. CONDUIT TO BE 20mm DIA GALVANISED SURFACE MOUNTED FOR OUTSIDE AREAS.
7. CONTRACTOR TO ISSUE EARTH TEST CERTIFICATE ON EARTHING SYSTEM UPON COMPLETION
8. ELECTRICAL INSTALLATION AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS FOR HAZARDOUS AREAS AS DEFINED BY SANS, NFPA AND ESKOM
9. UNDER GROUND CONDUIT MATERIAL SHALL BE "NEXTUBE-KABELFLEX" - PRODUCT CODE "KxxxB06CS0". ALL ASSOCIATED FITTINGS, ELBOWS ETC. SHALL BE DESIGNED SPECIFICALLY FOR USE WITH AND MANUFACTURED BY "NEXTUBE-KABELFLEX". CONDUIT SLEEVE MATERIAL SHALL BE HDPE (HIGH DENSITY POLYETHYLENE AND SHALL COMPLY WITH SANS 61386-24:2005. COMPRESSION RESISTANCE "TYPE 450" IMPACT RESISTANCE "CODE N". BENDING RESISTANCE "RIGID"

D.O.	REV	DATE	** REVISION **	REV BY	CHKD BY	AUTH BY	KKS APP	0.90/ REFERENCE DRAWINGS	
	1	08/15/18	1. ISSUED FOR CONSTRUCTION	AO	AO	GW			
		11/12/12	2. EXTEND EARTHING & SLEEVES	AO	AO	GW			
	0	05/30/12	1. ISSUED FOR REVIEW	AO	AO	GW		24714/1	SCHEMATIC LAYOUT

INDEX REFERENCE:

DRG REGISTER			AUTHORISED FOR ESKOM BY	DATE
DESIGN APPROVED	05/30/12	GW	L Xulu	08/30/18
KKS APP		-		
DO AUTH	05/30/12	AO		
CHKD BY		-		
DRAWN BY	05/30/12	AO		
SCALE	1 : 100			

EN MEDEWERKERS AND ASSOCIATES

Nyeleti Engineered to Excel

Eskom Enterprises

KUSILE POWER STATION
FILLING STATION :
PLAN
LIGHTING, SMALL POWER & LIGHTNING PROTECTION LAYOUT

810/28 - W - 23.110

0.90/24713

SHEET 1 REV 1

SIZE GROOTTE A1L