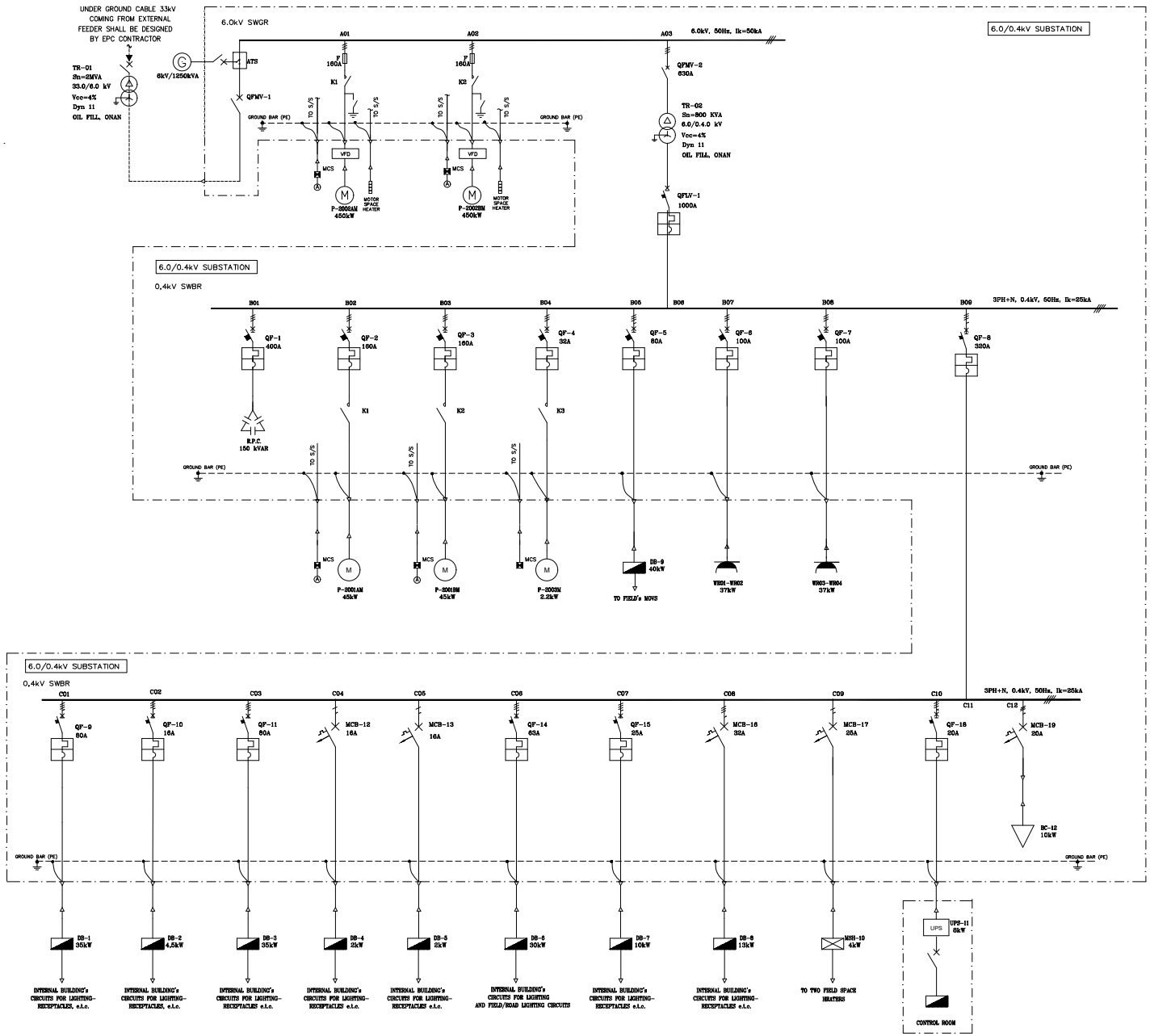

REFERENCE DRAWINGS

DWG No	TITLE
7258-20-73-01	ELECTRICAL USER LIST
7258-20-73-02	ELECTRICAL BLOCK DIAGRAM

LEGEND

	MOULDED CASE CIRCUIT BREAKER WITH AUTOMATIC RELEASE THERMAL AND ELECTROMAGNETIC OPERATION — ELECTROMAGNETIC PROTECTION; THERMAL PROTECTION
	CIRCUIT BREAKER (GENERAL SYMBOL)
	THREE PHASE POWER TRANSFORMER (CONNECTION DELTA-STAR WITH NEUTRAL BROUGHT OUT)
MCB (C)	MINIATURE CIRCUIT BREAKER CURVE C
	CONTACTOR POWER CONTACT
	FUSE, GENERAL SYMBOL
	CABLE SEALING END
	EARTHING SWITCH
	DISTRIBUTION BOARD 0.4kV (DB)
	MOTOR CONTROL STATION (MCS)
A	AMMETER
	EARTHING (GROUND) GENERAL SYMBOL
M 3~	3 – PHASE A.C. MOTOR
	NUMBER OF CONDUCTORS (I.E. THREE CONDUCTORS)
	WELDING RECEPTACLE
	REACTIVE POWER CAPACITORS (R.P.C.)

MSH = 0.4kV MOTOR SPACE HEATER
MCB = MINIATURE CIRCUIT BREAKER
QF = MOULDED CASE CIRCUIT BREAKER
TR = POWER TRANSFORMER
UPS = UNINTERRUPTIBLE POWER SYSTEM
BC = BATTERY CHARGER

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUCTION WITH PROJECT SPECIFICATION DOCUMENTS AND REFERRENCED DRAWINGS.
2. VALUES FOR BREAKERS, CONTACTORS, FUSES ETC, ARE PRELIMINARY. THE FINAL TECHNICAL DATA SHALL BE BASED ON DEVICES DATA SHEETS AND SHALL BE MODIFIED ACCORDINGLY BY DETAIL DESIGN.
3. ALL EQUIPMENT SHORT CIRCUIT RATING AND TRANSFORMER IMPEDANCE SHALL BE VALIDATED DURING DETAIL ENGINEERING STAGE AFTER POWER SYSTEM STUDY.
4. ARMOURING OF CABLES TO BE GROUNDED TO THE GROUNDING BAR OF THE BOARS.
5. MV AND LV SWITCHGEARS SHALL HAVE 25% NUMBER OF SPARES EQUIPPED.
6. CABLE ENTRIES THROUGH BOTTOM SIDE.

REVISION	DATE	DESCRIPTION	PREPARED	DRAWN	CHECKED	APPROVED
1	21.08.25	SECOND ISSUE – REVISED		DOP	USJ	RMA
0	24.03.16	FIRST ISSUE – FOR COMMENTS		NPK	NPK	SMM

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APPROVED FOR CONSTRUCTION
DWG REV. | DATE
PROJECT MANAGER
SIGNATURE .....
NAME

CLIENT
CEYLON PETROLEUM CORPORATION

CONTRACT No: AF-11-7258
SUPERSEDED BY:
SUPERSEDES THE:

TANK FARM AT MUTHURAJAWELA
KEY ONE LINE DIAGRAM

SCALE	CLIENT DWG No: 7258-20-73-04	SHEET 1 of 1	REVISION 1
NTS	AF. DWG No:	SHEET ...of...	REVISION

21.08.2025