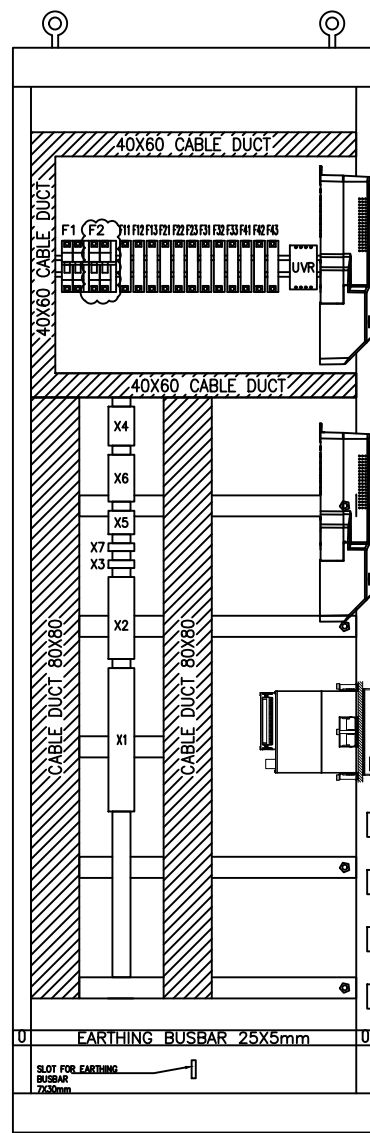
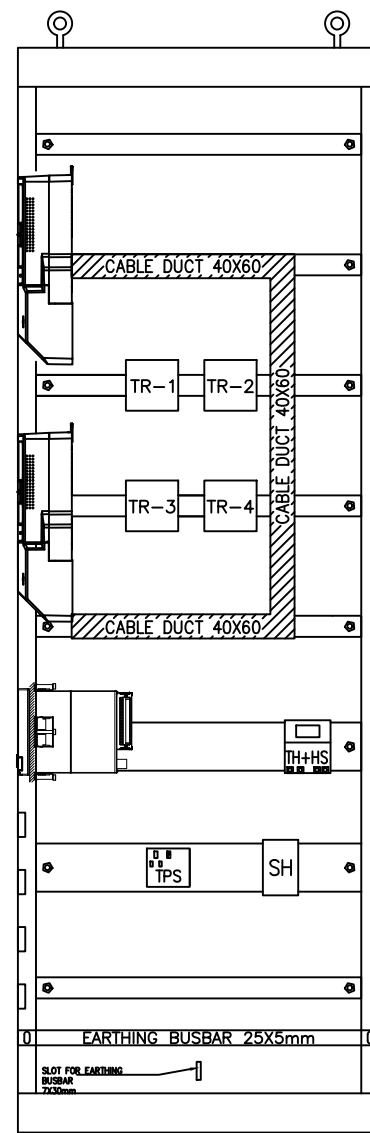


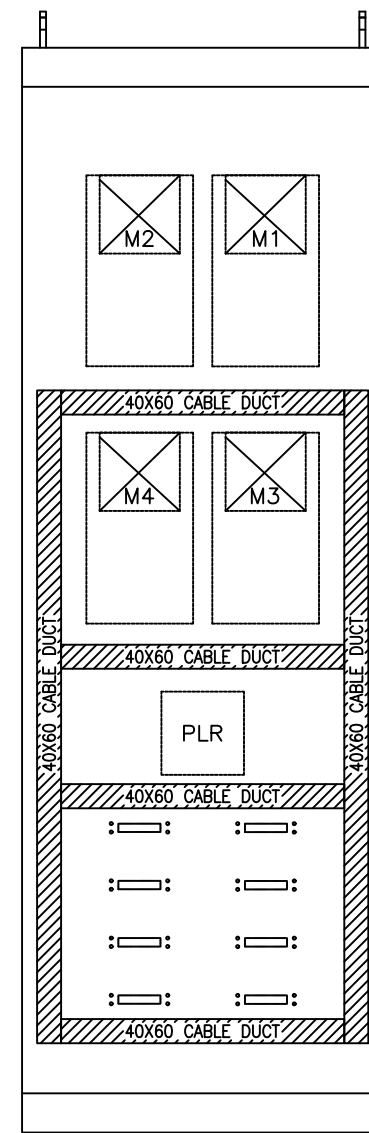
FRONT VIEW



LEFT SIDE VIEW




RIGHT SIDE VIEW




BACK SIDE VIEW

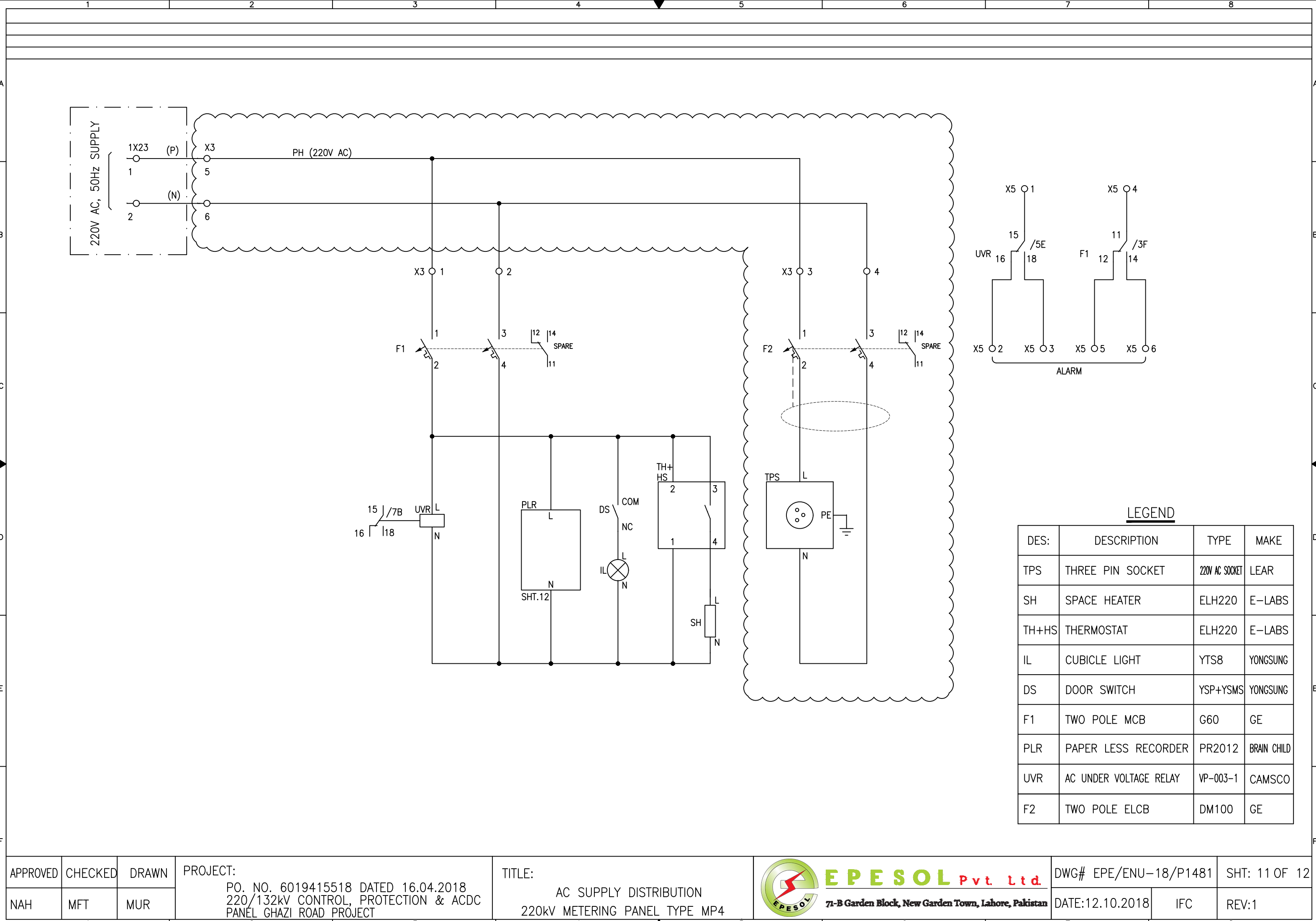
NOTES

1. METERING PANEL: 1800Hx600Wx600D mm
2. FACE SHEET: 1800Hx600W mm²
3. EARTHING BUSBAR 25x5 mm²
4. EARTHING STRAP 16mm²
5. COLOR: RAL7032
6. PROTECTION CLASS: IP44

APPROVED	CHECKED	DRAWN	PROJECT:	TITLE:	 EPESOL Pvt. Ltd. 71-B Garden Block, New Garden Town, Lahore, Pakistan	DWG# EPE/ENU-18/P1479	SHT: 02 OF 03
NAH	MFT	MUR	PO. NO. 6019415518 DATED 16.04.2018 220/132kV CONTROL, PROTECTION & ACDC PANEL GHAZI ROAD PROJECT	LAYOUT DIAGRAM 220kV METERING PANEL TYPE MP4		DATE:12.10.2018	IFC REV:1

1			2		3		4		5		6		7		8	
SR. #	ITEM DESIGNATION		DESCRIPTION					QTY	TYPE	MAKE	COUNTRY OF ORIGIN		ORDERING INFORMATION		SHEET NO	
1	M1, M2, M3, M4		THREE PHASE FOUR/THREE WIRES STATIC ENERGY METER, CLASS 0.2					4	MT860	ISKRAEMECO	UK		MT860S-A22R36S33-E12-L21-M3K03-Z7		05, 06, 07, 08	
2	TR-1, TR-2, TR-3, TR-4		AC POWER TRANSDUCER, SELF POWERED					4	MCOWT	FRER	ITALY				05, 06, 07, 08	
3	PLR		12 CHANNEL PAPER LESS RECORDER, 90-250 VAC					1	PR2012	BRAIN CHILD	TAIWAN		PR2012-0A001100		05, 06, 07, 08	
4	TS-1, TS-3, TS-5, TS-7		TEST BLOCK FOR CT CIRCUIT					4	YS-CTT	YOUNGSUNG	SOUTH KOREA		YS-CTT-04-S		10	
5	TS-2, TS-4, TS-6, TS-8		TEST BLOCK FOR VT CIRCUIT					4	YS-PTT	YOUNGSUNG	SOUTH KOREA		YS-PTT-04-S		10	
6	F11,F12,F13,F21,F22,F23, F31,F32,F33,F41,F42,F43		FUSE FOR VT CIRCUIT, RATED CURRENT 1A					12	-	-	-		-		05, 06, 07, 08	
7	M13, M23, M33, M43		ETHERNET MODULE					4	MK-3e-3	ISKRAEMECO	UK		-		-	
8	UVR		AC UNDER VOLTAGE RELAY, 230VAC SINGLE PHASE WITH 1 C/O CONTACT					1	VP-002	CAMSCO	TAIWAN				11	
9	X1		DISCONNECTING TERMINAL BLOCK (SCREW TYPE) FOR CT WITH SHORTENING ARRANGEMENT					28	SCB-6	CABUR	ITALY				05, 06, 07, 08	
10	X2		DISCONNECTING TERMINAL BLOCK (SCREW TYPE) FOR VT CIRCUIT					28	SCB-6	CABUR	ITALY				05, 06, 07, 08	
11	X3		TERMINAL BLOCK FOR AC DISTRIBUTION					6	CBD-4	CABUR	ITALY				11	
12	X7		TERMINAL BLOCK FOR RS485 DAISY CHAIN					2	CBD-4	CABUR	ITALY				10	
13	X5		TERMINAL BLOCK FOR ALARMS					6	CBD-4	CABUR	ITALY				11	
14	X6		TERMINAL BLOCK FOR CT STAR POINT					12	CBD-4	CABUR	ITALY				05, 06, 07, 08	
15	X9		TERMINAL BLOCK FOR METER POWER SUPPLY					02	CBD-4	CABUR	ITALY				05, 06, 07, 08	
16	X4		TERMINAL BLOCK SPARE					10	CBD-4	CABUR	ITALY				-	
17	F1		AC MCB 2 POLE 10Amp, WITH ONE C/O CONTACT, 6kA					1	G60	GE	HUNGARY		G62C10+CAH1		11	
18	TH+HS		THERMOSTAT 25 TO 50 DEGREE CENTIGRADE AND HUMIDISTAT 40% TO 90%					1	ELH-220	E-LABS	PAKISTAN		ELH-220		11	
19	SH		SPACE HEATER (60W)					1	ELH-220	E-LABS	PAKISTAN		ELH-220		11	
APPROVED	CHECKED	DRAWN	PROJECT:			TITLE:			 EPESOL Pvt. Ltd. 71-B Garden Block, New Garden Town, Lahore, Pakistan				DWG# EPE/ENU-18/P1480		SHT: 02 OF 03	
NAH	MFT	MUR	PO. NO. 6019415518 DATED 16.04.2018 220/132kV CONTROL, PROTECTION & ACDC PANEL GHAZI ROAD PROJECT			LIST OF APPARATUS 220kV METERING PANEL TYPE MP4							DATE:12.10.2018		IFC	REV:1
1			2		3		4		5		6		7		8	

1			2		3		4		5		6		7		8		
SR. #	ITEM DESIGNATION		DESCRIPTION							QTY	TYPE	MAKE	COUNTRY OF ORIGIN		ORDERING INFORMATION		SHEET NO
20	DS		DOOR SWITCH							1	–	YONGSUNG	KOREA				11
21	IL		CUBICLE LIGHT, 5W, 220VAC							1	–	YONGSUNG	KOREA				11
22	TPS		220VAC, 16A, THREE PIN SOCKET OUTLET							1	–	LEAR	CHINA				11
23	F2		AC ELCB, 2POLE, 16A, 30mA, 240VAC 1P+1N WITH ONE C/O CONTACT							1	–	GE	HUNGARY		DM100C16/030+CAH(1)		10



LEGEND			
DES:	DESCRIPTION	TYPE	MAKE
TPS	THREE PIN SOCKET	220V AC SOCKET	LEAR
SH	SPACE HEATER	ELH220	E-LABS
TH+HS	THERMOSTAT	ELH220	E-LABS
IL	CUBICLE LIGHT	YTS8	YONGSUNG
DS	DOOR SWITCH	YSP+YSMS	YONGSUNG
F1	TWO POLE MCB	G60	GE
PLR	PAPER LESS RECORDER	PR2012	BRAIN CHILD
UVR	AC UNDER VOLTAGE RELAY	VP-003-1	CAMSCO
F2	TWO POLE ELCB	DM100	GE