

Electrical Drawings

ABBREVIATIONS	
A	AMPERE
ATS	AUTOMATIC TRANSFER SWITCH
DB	DISTRIBUTION BOARD
FACP	FIRE ALARM CONTROL PANEL
JB	JUNCTION BOX
KVA	KILO VOLT-AMPERE
KW	KILO WATT
KWHM	KILO WATT HOUR METER
KVARH	KILO VAR HOUR METER
MCB	MINIATURE CIRCUIT BREAKER
MCCB	MOLDED CASE CIRCUIT BREAKER
MDB	MAIN DISTRIBUTION BOARD
MDF	MAIN DISTRIBUTION FRAME
P	PAIR
PABX	PRIVATE AUTOMATIC BRANCH EXCHANGE
SMDB	SUB MAIN DISTRIBUTION BOARD
FP	FORCE PANEL
STP	SHIELDED TWISTED PAIR CABLE
MTS	MANUAL TRANSFER SWITCH
LS	LOUD SPEAKER
V	VOLT
WP	WEATHER PROOF
W	WATT
G	GENERATOR
E	EARTH
B	BELL
S	ANALOGUE ADDRESSABLE SMOKE DETECTOR
H	ANALOGUE ADDRESSABLE HEAT DETECTOR
PB	PUSH BUTTON
RCCB	RESIDUAL CURRENT CIRCUIT BREAKER
ELCB	EARTH LEAKEGE CERCUIT BREAKER

SWITCHES & LIGHTING	
	10A, 220 VOLT, SINGLE POLE,SINGLE WAY 1-GANG LIGHT SWITCH/WETHER PROOF
	10A, 220 VOLT, DOUBLE POLE,SINGLE WAY 2-GANG LIGHT SWITCH/WETHER PROOF
	10A, 220 VOLT, TRIPLE POLE,SINGLE WAY 3-GANG LIGHT SWITCH/WETHER PROOF
	10A, 220 VOLT, FIXEL TWO WAY SWITCH 1-GANG LIGHT SWITCH/WETHER PROOF
	10A, 220 VOLT, FIXEL TWO WAY SWITCH 2-GANG LIGHT SWITCH/WETHER PROOF
	FAN SWITCH
	PUSH BUTTON SWITCH FOR STAIR
	BELL PUSH BUTTON
	2x28W FLUORESCENT LIGHTING UNIT
	1x28W FLUORESCENT LIGHTING UNIT WITH REFLECTOR
	2x28W FLUORESCENT LIGHTING UNIT
	2x28W FLUORESCENT LIGHTING UNIT WETHER PROOF
	DRUM WALL/CEILING LIGHTING UNIT 28W WETHER PROOF
	SPOT LIGHT 8" 26W
	CEILING MOUNTED CHANDELIER
	WALL MOUNTED CHANDELIER
	EXIT DOUBLE SIGN
	EXTERNAL FLOODLIGHT FIXTURE WITH 250W

POWER,EQUIPMENT & GENERAL ARRANGEMENT:	
	(MDB)MAIN DISTRIBUTION BOARD
	(SMDB)SUBMAIN DISTRIBUTION BOARD
	(DB)DISTRIBUTION BOARD (LP)LIGHTING PANEL,(FP)FORCE PANEL
	16A,220 VOLT SINGLE SOCKET OUTLET (P1+N+E)
	16A,220 VOLT DUPLEX SOCKET OUTLET 2(P+N+E)
	16A,220 VOLT SINGLE SOCKET OUTLET WETHER PROOF (P1+N+E)
	16A,220 VOLT DOUBLE SOCKET OUTLET WETHER PROOF (P1+N+E)
	ELECTRICAL SWITCH FOR Heatr
	EMERGENCY GENERATOR
	CEILING FAN
	WALL FAN
	WALL MOUNTED EXTRACT FAN
COMMUNICATION & AUXILIARY SYSTEMS.	
	TELEPHONE SOCKET OUTLET
	T.V. ANTENNA OUTLET
	COMPUTER DATA OUTLET
	DATA TERMINAL CABINET(RACK)
	PABX WITH MDF POWER SUPPLY UNIT
	MAIN DISTRIBUTION FRAME. MDF
	TELEPHONE TERMINAL CABINET
	SPLITTER
SOUND SYSTEM & FIRE ALARM SYSTEM	
	BELL
	AMPLIFIER
	MICROPHONE OUTLET
	EXTERNAL/INTERNAL LOUD SPEAKER
	FIRE ALARM CONTROL PANEL
	ANALOGUE ADDRESSABLE SMOKE DETECTOR
	ANALOGUE ADDRESSABLE HEAT DETECTOR
	FIRE ALARM BELL
	FIRE ALARM CALL POINT-BREAK GLASS

NOTES :-

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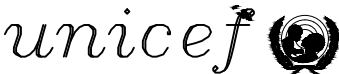
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Drawing name LEGEND	
Scale To Fit	Drawing No. E 01

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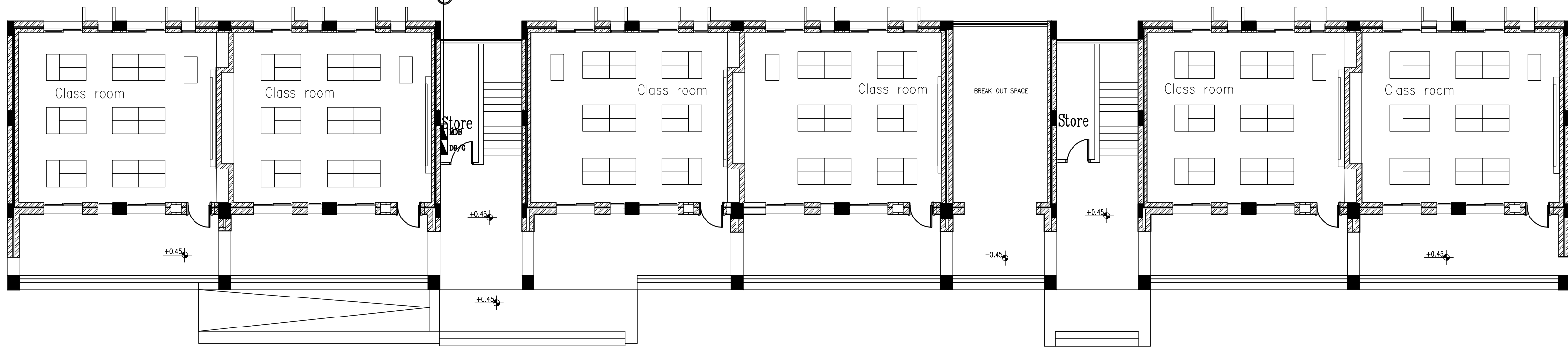
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School name Al Motanaby Primary Boys School	
Drawing name ELECTRICAL FEEDER & EARTHING SYSTEM	
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2 NO.Ø4" PVC PIPES
(3X25+16)mm² FROM SUPPLY

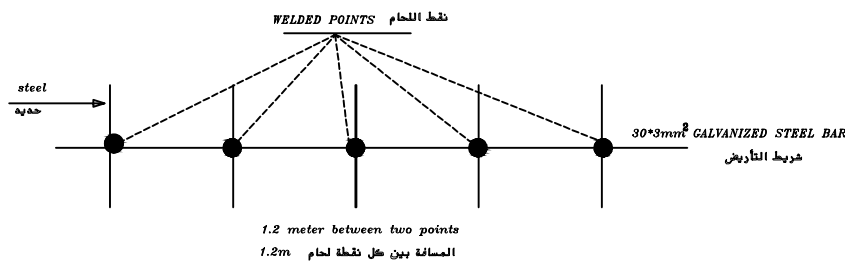
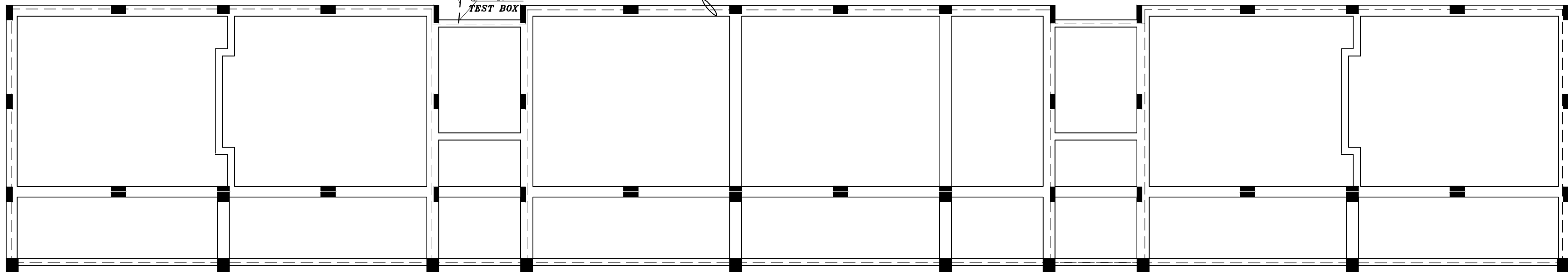
Power Manhole
Ø 60cm



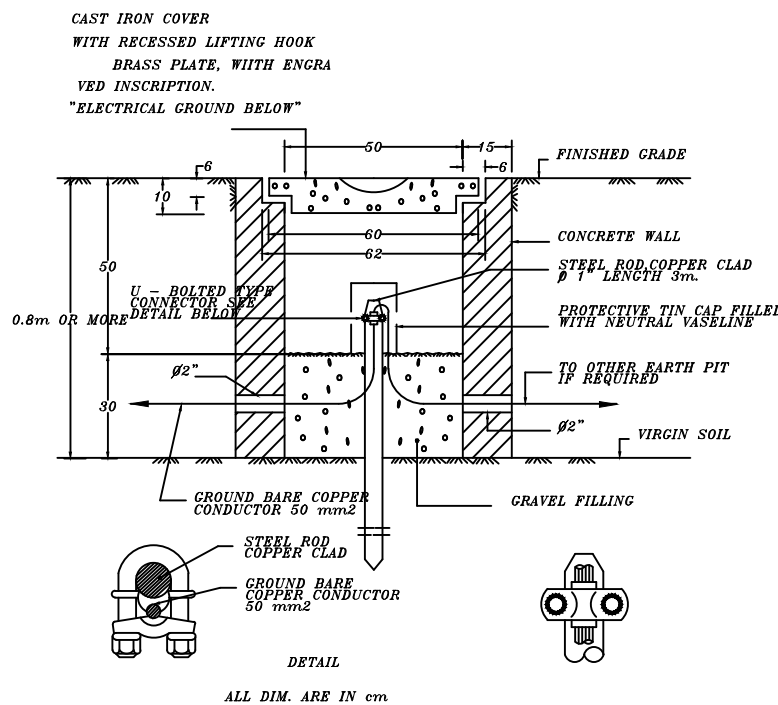
التوصيل بين حفرة التأريض
والشريط المجلفن داخل ماسورة 2"
NY 50 mm² CU
EARTHING CONDUCTOR
INSIDE 2" PVC PIPE

30X3 mm² GALVANIZED STEEL SHEET WELDED
TO GROUND BEAM REINFORCEMENT STEEL

EARTHING PIT
حفرة تأريض
صندوق نحاسي
TEST BOX



لحام شريط التأريض في الحزام الأرضي



مخجل التأريض EARTHING PIT

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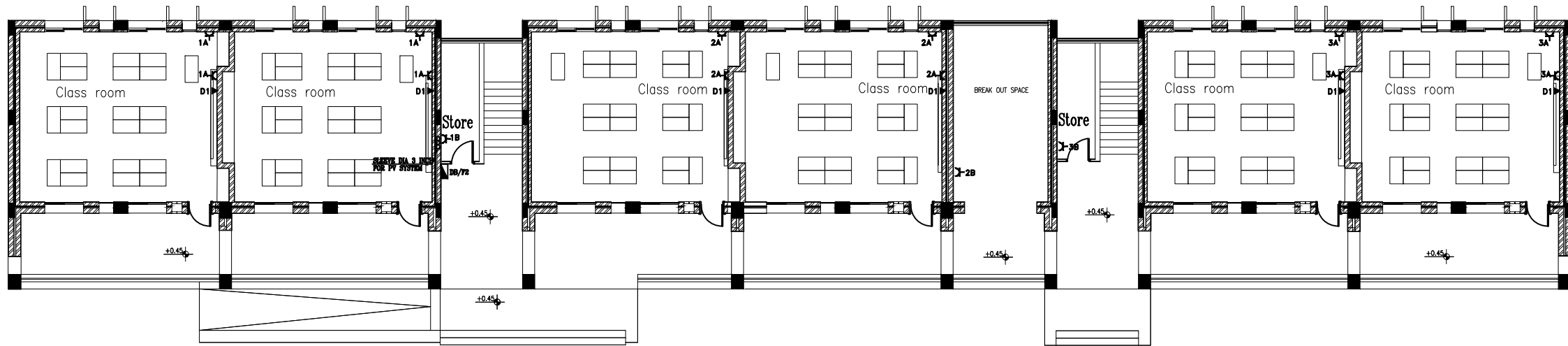
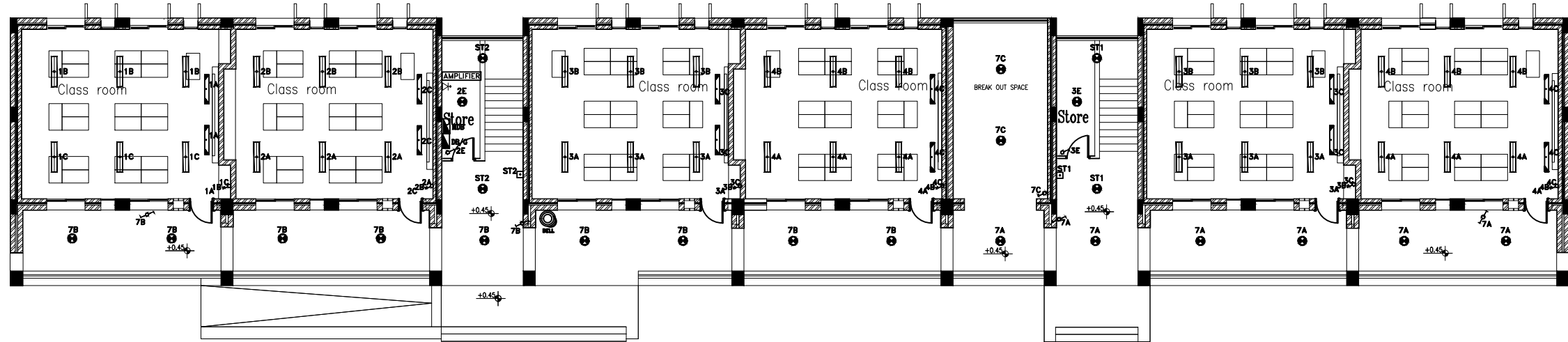
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Drawing name Ground FLOOR PLAN LIGHTING,POWER AND DATA DRAWINGS	
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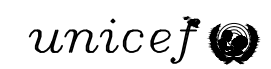
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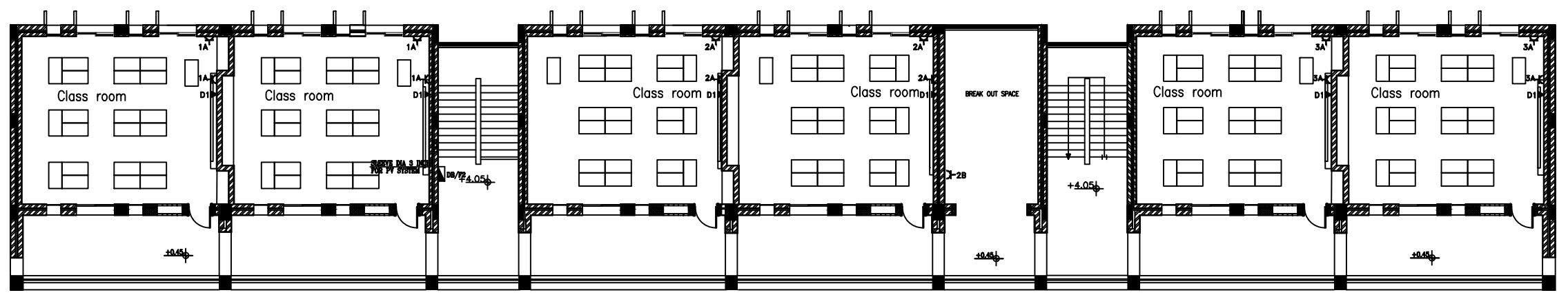
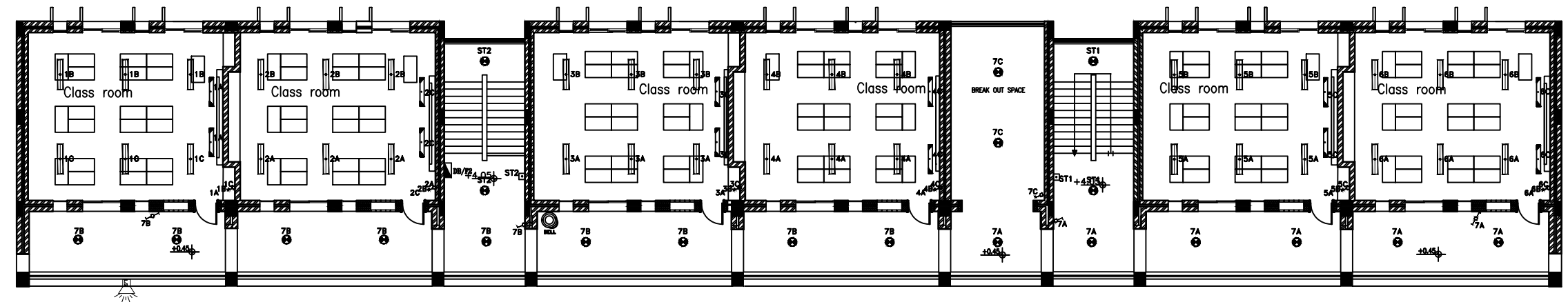
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Drawing name FIRST FLOOR PLAN LIGHTING AND POWER DRAWINGS	
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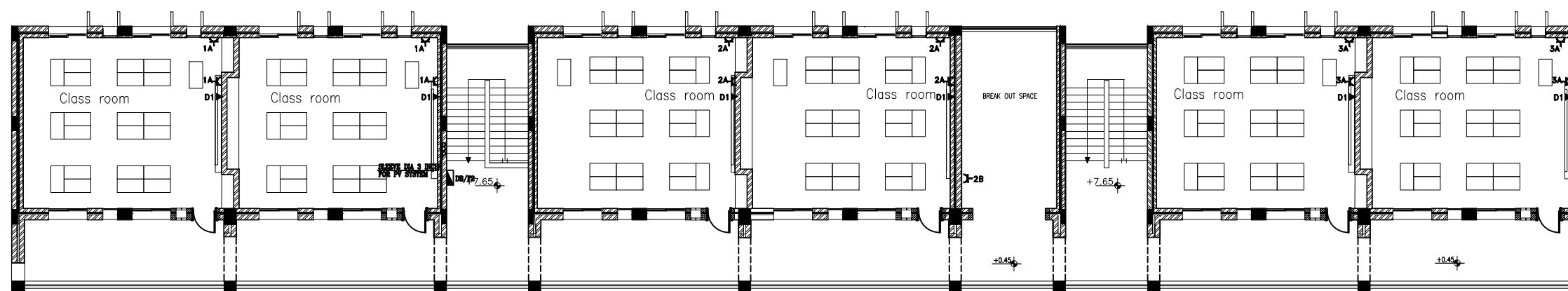
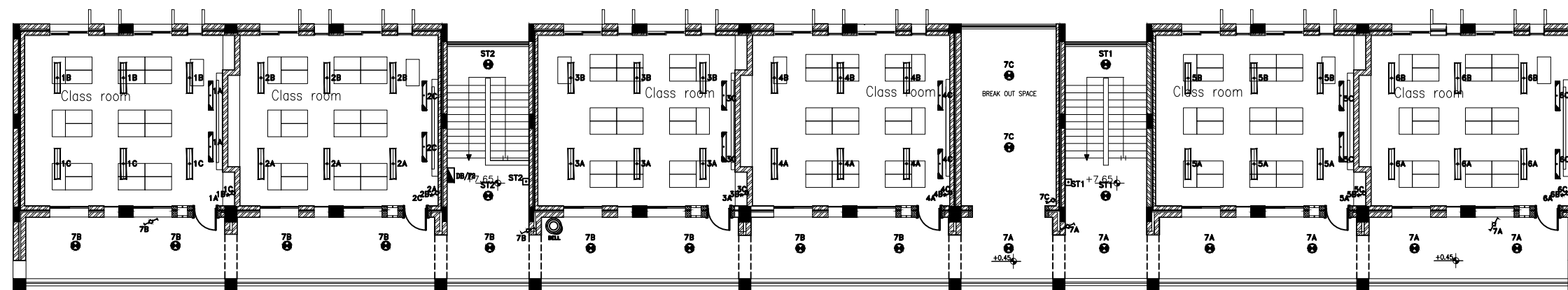
Project Name
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Drawing name
SECOND FLOOR PLAN
LIGHTING AND POWER AND DRAWINGS

Scale
To Fit

Drawing No.
E 06



NOTES :-

EXTERNAL LIGHTING WILL BE INSTALLED
ALSO FOR THE EXISTING BUILDING

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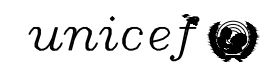
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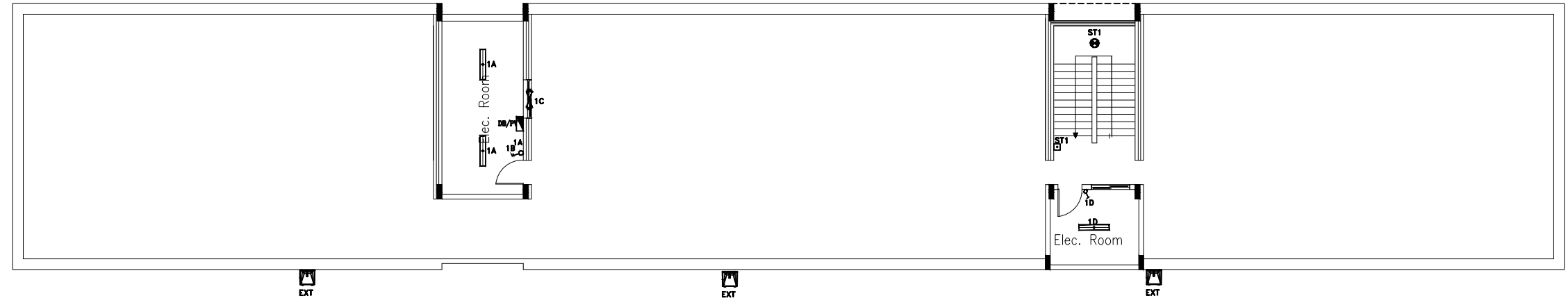
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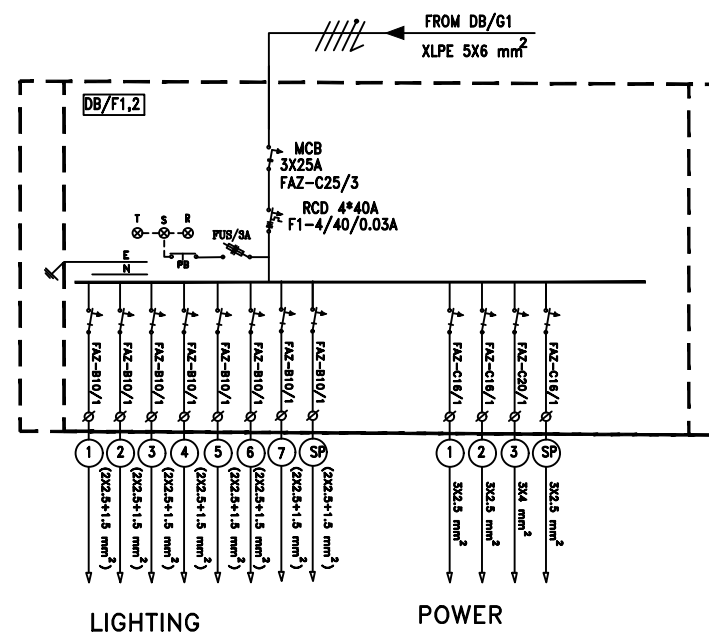


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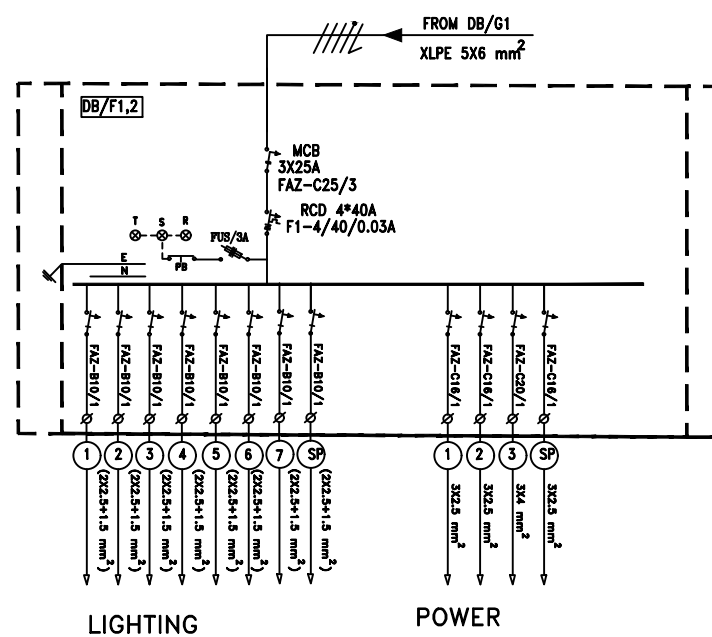


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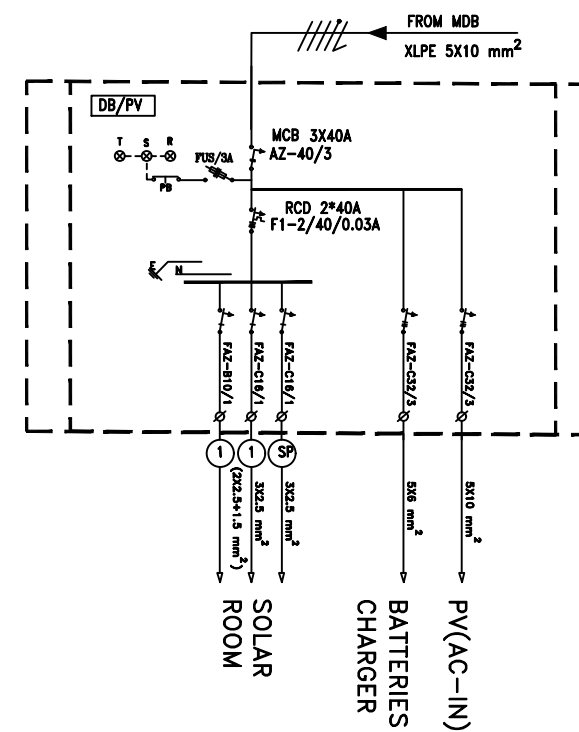




SINGLE LINE POWER DIAGRAM
(DB/G1)



SINGLE LINE POWER DIAGRAM
(DB/F1,2)



SINGLE LINE POWER DIAGRAM
(DB/PV)



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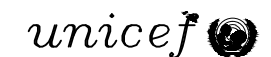
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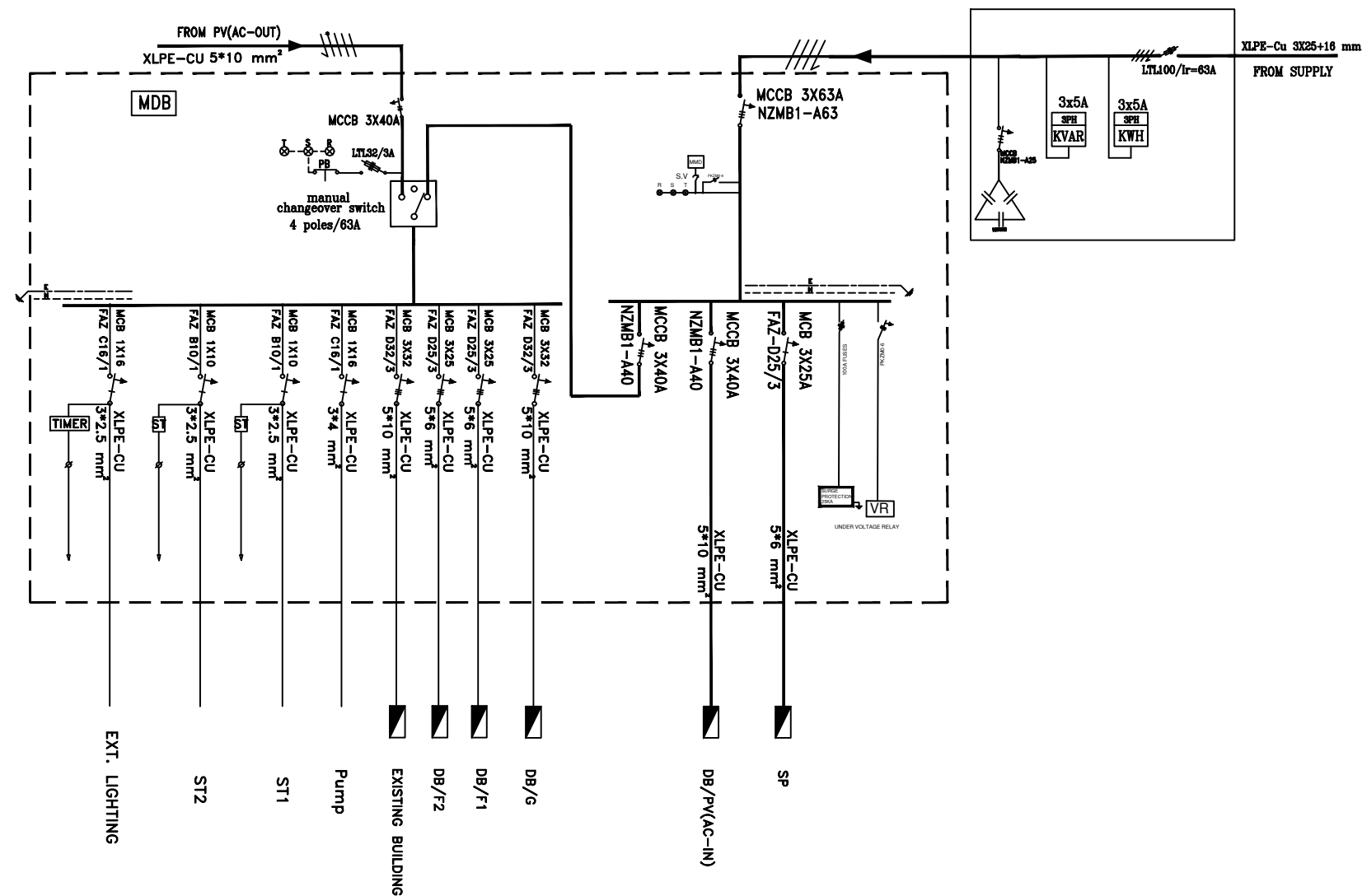
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Drawing name DISTRIBUTION BOARDS SINGLE LINE DIAGRAM	
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MAIN DISTRIBUTION BOARD
MDB

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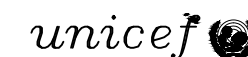
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Drawing name MAIN DISTRIBUTION BOARDS SINGLE LINE DIAGRAM	
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