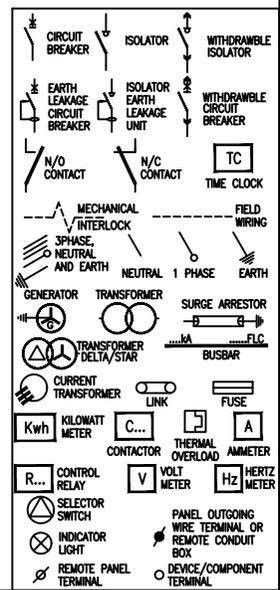


NOTES

- ① CLASS 2 SURGE ARRESTOR
 - 1) DROPPERS/TAILS TO BE RATED FOR FULL PLET THROUGH.
 - 2) HARNESSING WIRING TO BE DERATED.
 - 3) TUFFNOL BRACES ARE NOT TO BE USED ABOVE 10KA
 - 4) COPPER BUSBARS TO BE CONTINUOUS RATED.
 - 5) SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REWIRING.
 - 6) EARTH AND NEUTRAL BARS TO BE EASILY ACCESSIBLE.
 - 7) ALL CIRCUIT BREAKERS TO BE FITTED WITH TERMINAL SHIELD ON LIVE AND LOAD SIDES. ENCLOSURE TO BE IP54.
 - 8) PHASING RWB, TOP TO BOTTOM, LEFT TO RIGHT, BACK TO FRONT.
 - 9) INTERNAL TEMP TO BE LIMITED TO 5° ABOVE AMBIANT, MAX 40°C.
 - 10) ALL CIRCUITS TO BE LABELED.
 - 11) 25% SPARE SPACE. SPARE SPACES ARE TO BE FITTED WITH COPPER BUSBAR TAILS CONNECTED TO DROPPER BUSBARS TO ALLOW INSTALLATION OF CIRCUIT BREAKERS WITH A MINIMAL SHUTDOWN PERIOD.
 - 12) DB TO BE FITTED WITH A4 LEGEND CARD HOLDER WITH STANDARD IBUYA A4 LEGEND CARD.
 - 13) EACH CIRCUIT TO BE LABELED WITH DETAILED DESCRIPTION OF CONNECTED DEVICE.
 - 14) EXTERNAL EARTH STUD MOUNTED ADJACENT CABLE ENTRY.
- INCOMING CABLE -TOP/BOTTOM
 OUTGOING CIRCUITS -TOP/BOTTOM
 COLOUR -ORANGE (N/E)
 MOUNTING -RED (E)
 ACCESS -SURFACE
 -FRONT
 PROTECTIVE DEVICES -SCHNEIDER
 ACB's (1250A-4000A) -MASTERPACT NW
 MCCB'S(800A - 1000A) -COMPACT NS
 MCCB'S(60A-630A) -EASYPACT CSV
 MCB'S -MULTI 9, TYPE 2
 CONTACTORS -AC3 HEAVY DUTY



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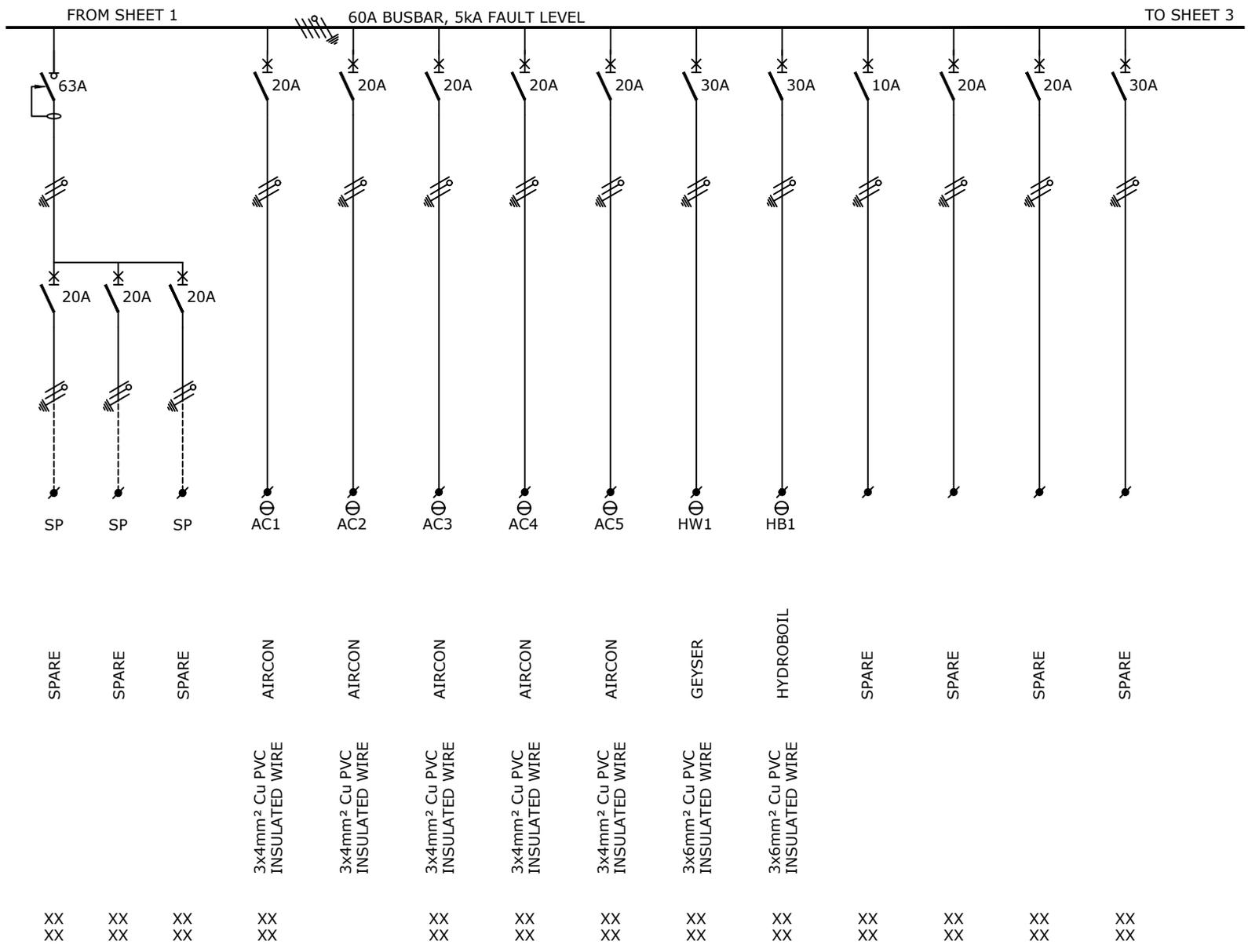
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K.Singh	NG	22/08/24	NTS PAPER SIZE: A3	KS
PROJECT No.	DRAWING No.	SHEET:	REV.	
23044	403	1 of 4	0	
REV	DESCRIPTION	BY	DATE	CHKD.
0	Original Issue	NG	27/05/25	KS

DRAWING TITLE:	SAPS MSINSINI POLICE STATION
DRAWING TITLE:	DB - A / AE Single Line Diagram

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① CLASS 1 SURGE ARRESTOR

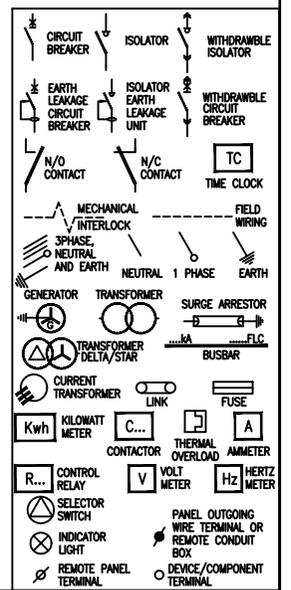
NOTES

- 1) DROPPERS/TAILS TO BE RATED FOR FULL P_N LET THROUGH.
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- 4) COPPER BUSBARS TO BE CONTINUOUS RATED.
- 5) SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REWIRING.
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- 8) ENCLOSURE TO BE IP54.
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- 15) EXTERNAL EARTH STUD MOUNTED ADJACENT CABLE ENTRY.

INCOMING CABLE	-TOP/BOTTOM
OUTGOING CIRCUITS	-TOP/BOTTOM
COLOUR	-ORANGE (N/E)
MOUNTING	-RED (E)
ACCESS	-SURFACE
PROTECTIVE DEVICES	-FRONT
ACB's (1250A-4000A)	-SCHNEIDER
MCCB'S(800A - 1000A)	-MASTERPACT NW
MCCB'S(60A-630A)	-COMPACT NS
MCB'S	-EASYPACT CSV
CONTACTORS	-MULTI 9, TYPE 2
	-AC3 HEAVY DUTY

UPS / INVERTER SECTION
NON-ESSENTIAL SECTION

MECHANICAL BARRIER
MECHANICAL BARRIER



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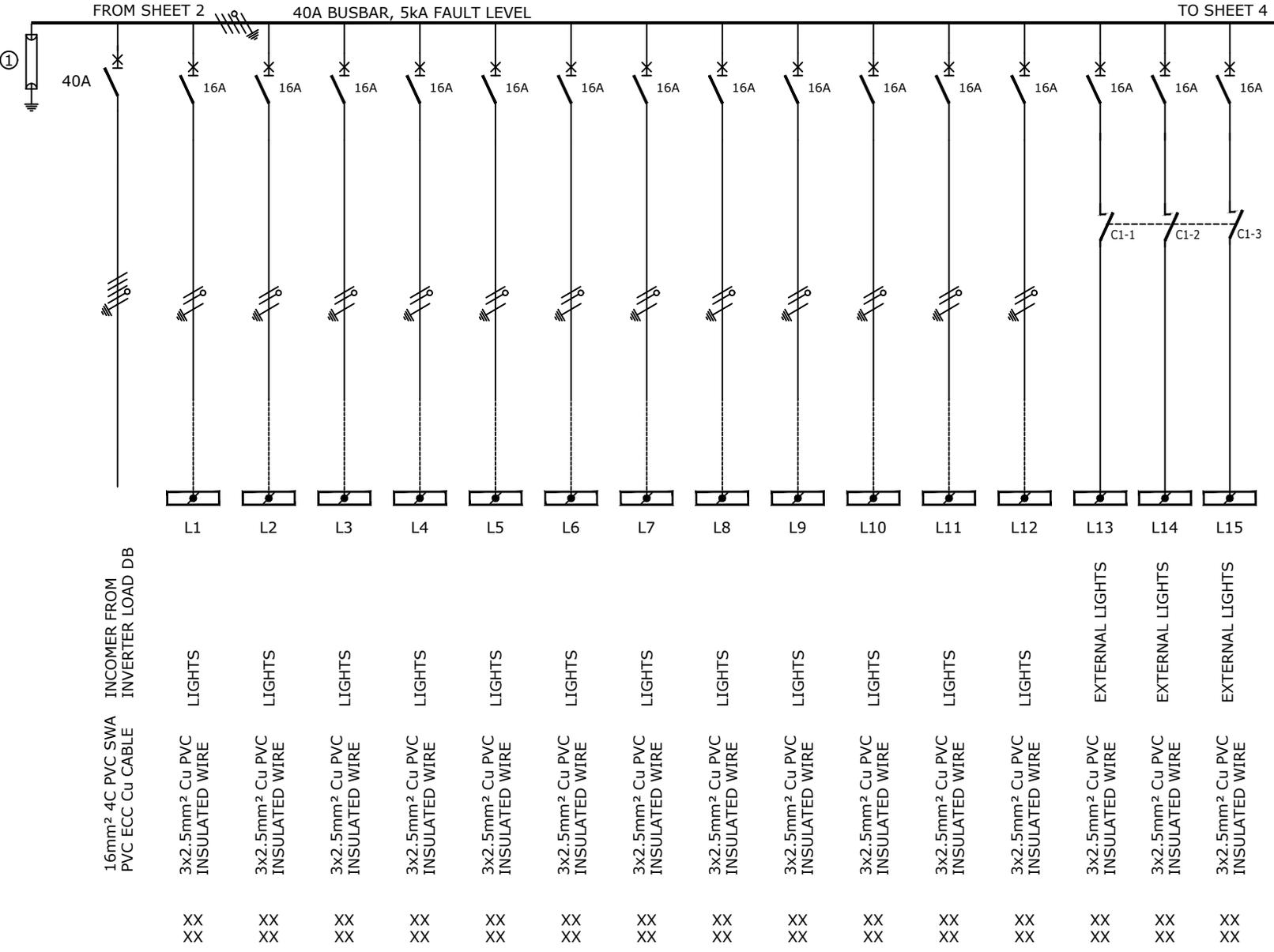
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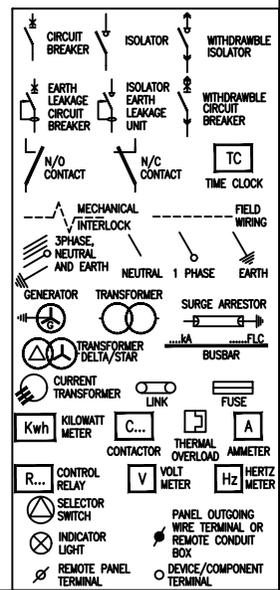
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- 14) EACH CIRCUIT TO BE LABELED WITH DETAILED DESCRIPTION OF CONNECTED DEVICE.
- 15) EXTERNAL EARTH STUD MOUNTED ADJACENT CABLE ENTRY.

INCOMING CABLE	-TOP/BOTTOM
OUTGOING CIRCUITS	-TOP/BOTTOM
COLOUR	-ORANGE (N/E)
MOUNTING	-SURFACE
ACCESS	-FRONT
PROTECTIVE DEVICES	-SCHNEIDER
ACB'S (1250A-4000A)	-MASTERPACT NW
MCCB'S(800A - 1000A)	-COMPACT NS
MCCB'S(60A-630A)	-EASYPACT CSV
MCB'S	-MULTI 9, TYPE 2
CONTACTORS	-AC3 HEAVY DUTY



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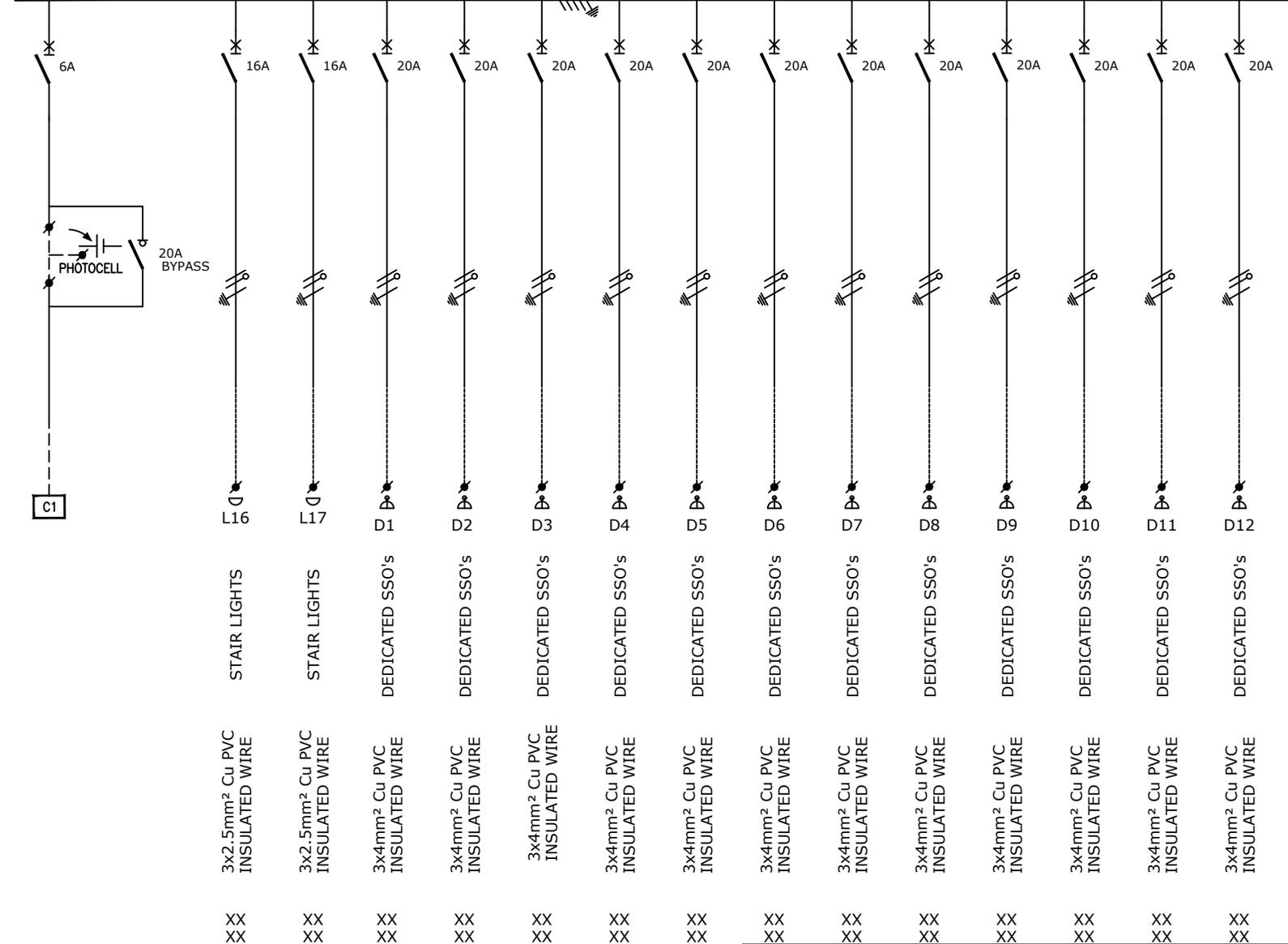
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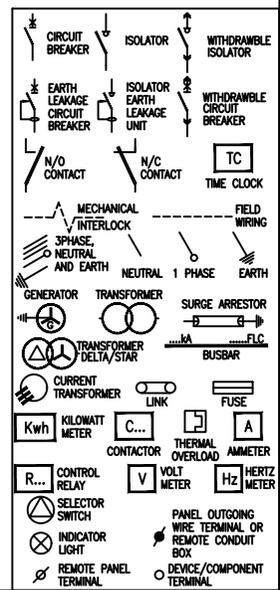
"POWERING DEVELOPMENT"

FROM SHEET 3 40A BUSBAR, 5KA FAULT LEVEL



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 - 15) EXTERNAL EARTH STUD MOUNTED ADJACENT CABLE ENTRY.
- INCOMING CABLE -TOP/BOTTOM
 OUTGOING CIRCUITS -TOP/BOTTOM
 COLOUR -ORANGE (N/E)
 -RED (E)
 MOUNTING -SURFACE
 ACCESS -FRONT
 PROTECTIVE DEVICES -SCHNEIDER
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