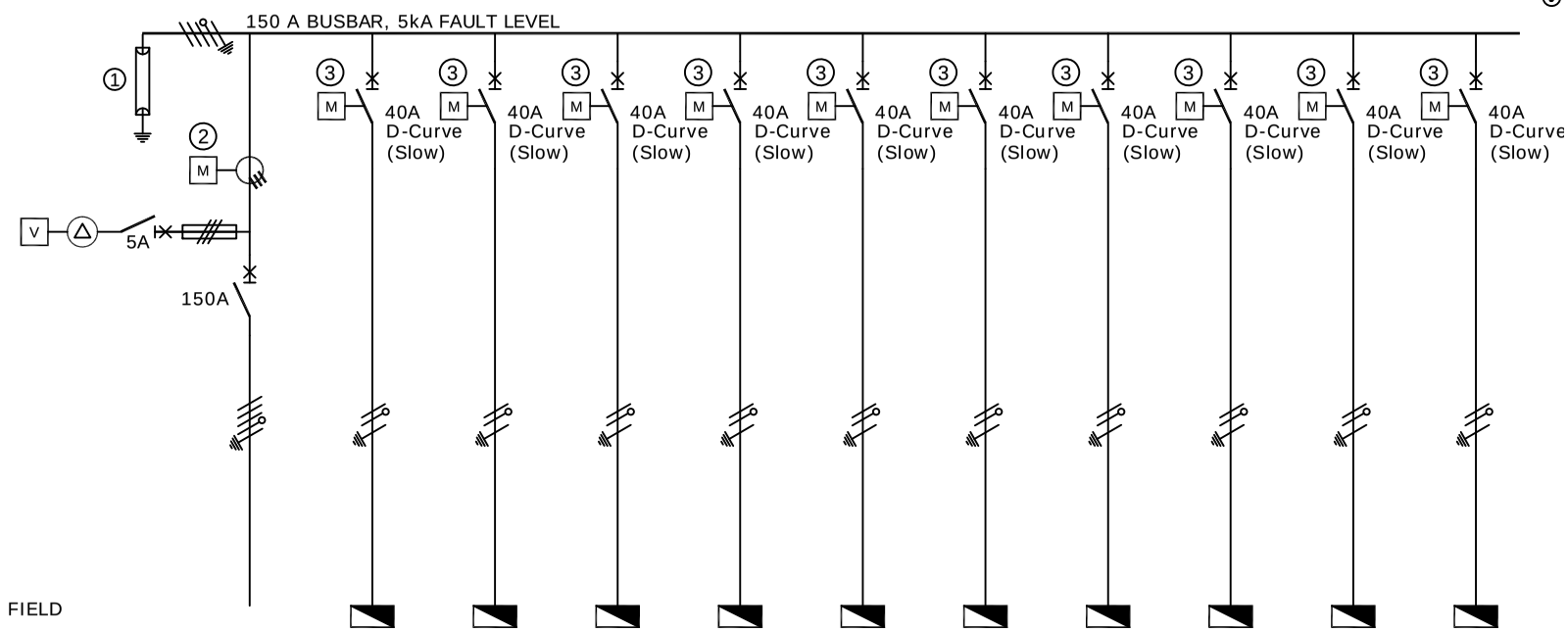
A3_1220C_MST_1

1	2	3	4	5	6	7	8



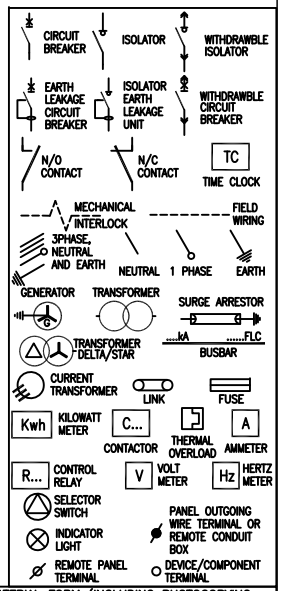
1 CLASS 2 SURGE ARRESTOR
2 SCHNEIDER PM3225
3 ESKOM PREPAID METER

NOTES

1) DROPPERS/TAILS TO BE RATED FOR FULL i²t LET THROUGH.
2) HARNESSED 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 ACCESIBLE.
7) ALL CIRCUIT BREAKERS TO BE FITTED WITH TERMINAL SHIELD ON LIVE AND LOAD SIDES.
8) ENCLOSURE TO BE IP54.
9) PHASING RWB, TOP TO BOTTOM, LEFT TO RIGHT, BACK TO FRONT.
10) INTERNAL TEMP TO BE LIMITED TO 5° ABOVE AMBIANT, MAX 40°C.
11) ALL CIRCUITS TO BE LABELED.
12) 25% SPARE SPACE. SPARE SPACES ARE TO BE FITTED WITH COPPER BUSBAR TAILS CONNECTED TO DROPPER BUSBARS TO ALLOW INSTALLATIONOF CIRCUIT BREAKERS WITH A MINIMAL SHUTDOWN PERIOD.
13) DB TO BE FITTED WITH A4 LEGEND CARD HOLDER WITH STANDARD IBUYA A4 LEGEND CARD.
14) EACH CIRCUIT TO BE LABELED WITH DETAILED DESCRIPTION OF CONNECTED DEVICE.
15) EXTERNAL EARTH STUD MOUNTED ADJACENT CABLE ENTRY.

INCOMING CABLE	-BOTTOM/TOP
OUTGOING CIRCUITS	-TOP/BOTTOM
COLOUR	-ORANGE
MOUNTING	-FLOORSTANDING
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

FIELD										
CIRCUIT No. PHASE										
DESIGNATION	INCOMER FROM MAIN LV KIOSK	RESIDENCE NO.1	RESIDENCE NO.2	RESIDENCE NO.3	RESIDENCE NO.4	RESIDENCE NO.5	RESIDENCE NO.6	RESIDENCE NO.7	RESIDENCE NO.8	RESIDENCE NO.9	RESIDENCE NO.10
WIRING	70mm² 4C PVC SWA PVC ECC Cu CABLE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE	16mm² 2C AIRDAC WITH COMMS WIRE
CABLE NO.											
LOAD (AMPS) No. OF POINTS											



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REV	DESCRIPTION	BY	DATE	CHKD.
0	Original Issue	NG	27/05/25	KS

ENGINEER	DRAWN	DATE:	SCALE:	CHKD.
K.Singh	NG	22/08/24	NTS	KS
			PAPER SIZE: A3	

PROJECT No.	DRAWING No.	SHEET:	REV.
23044	409	1 of 1	0

File Name : Lyr:

DRAWING TITLE: **SAPS MSINSINI POLICE STATION**

DRAWING TITLE: DB - Meter Frame Single Line Diagram

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