

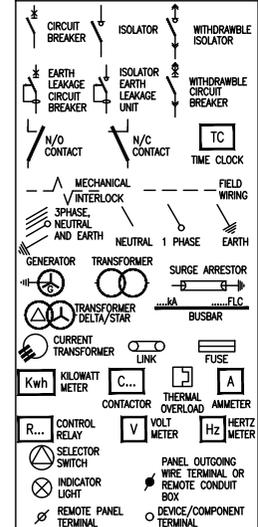
TO SHEET 2

FIELD	CIRCUIT No.	PHASE
	DB	
	P1	R
	P2	R
	P3	R
	P4	W
	P5	W
	P6	W
	P7	B
	P8	B
	P9	B

DESIGNATION	WIRING	LOAD (AMPS)	No. OF POINTS
INCOMER	50mm² 4 CORE Cu PVC SWA PVC ECC CABLE	XX	X
DB-2BE	16mm² 4 CORE Cu PVC SWA PVC ECC CABLE	XX	X
SWITCHED SOCKET OUTLET	3x4mm² PVC INSULATED Cu CONDUCTORS	XX	X
SWITCHED SOCKET OUTLET	3x4mm² PVC INSULATED Cu CONDUCTORS	XX	X
SWITCHED SOCKET OUTLET	3x4mm² PVC INSULATED Cu CONDUCTORS	XX	X
SWITCHED SOCKET OUTLET	3x4mm² PVC INSULATED Cu CONDUCTORS	XX	X
SWITCHED SOCKET OUTLET	3x4mm² PVC INSULATED Cu CONDUCTORS	XX	X
SWITCHED SOCKET OUTLET	3x4mm² PVC INSULATED Cu CONDUCTORS	XX	X
SWITCHED SOCKET OUTLET	3x4mm² PVC INSULATED Cu CONDUCTORS	XX	X
SWITCHED SOCKET OUTLET	3x4mm² PVC INSULATED Cu CONDUCTORS	XX	X

- NOTES**
- 1) DROPPERS/TAILS TO BE RATED FOR FULL IN 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 ACCESSIBLE.
 - 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 INSTALLATION OF 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.

- DRAWING NOTES**
- ① CLASS 1+2 SURGE ARRESTORS.
- | | |
|--------------------|-------------------------|
| INCOMING | -TOP/BOTTOM |
| OUTGOING CIRCUITS | -TOP/BOTTOM |
| COLOUR | -EXTERNAL - RED |
| | -INTERNAL - RED |
| MOUNTING | -WALL MOUNTED |
| ACCESS | -FRONT |
| PROTECTIVE DEVICES | -SCHNEIDER |
| ACB'S (800A-4000A) | -MASTERPACT NW |
| MCCB'S (630A-800A) | -COMPACT NS |
| MCCB'S (100A-630A) | -COMPACT NSX (NEW GEN) |
| MCCB'S (60A-100A) | -COMPACT NSXm (NEW GEN) |
| MCB'S | -MULTI 9, TYPE 2 |
| CONTACTORS | -AC3 HEAVY DUTY |
| METERS | -SCHNEIDER |
| SURGE PROTECTION | -DEHN GUARD |



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REV	DESCRIPTION	BY	DATE	CHKD.	File Name : 25024_421_0	Lyr:
0	Original Issue	KS	14/01/26	MK	25024	421

ENGINEER	DRAWN	DATE:	SCALE:	CHKD.
KS	SVJ	Jan'26	NTS PAPER SIZE: A3	MK
PROJECT No.	DRAWING No.	SHEET:	REV.	
25024	421	1 of 2	0	

TITLE
**DPWI Ulundi Legislative Building
LA Building**

DRAWING TITLE:
**DB-2AE (Essential)
Distribution Board
Single Line Diagram**

IBUYA Consulting Engineers
"POWERING DEVELOPMENT"

BAKER TILLY HOUSE
FIRST FLOOR
15 WESTVILLE ROAD
WESTVILLE
P.O. BOX 1469
WESTVILLE 3630

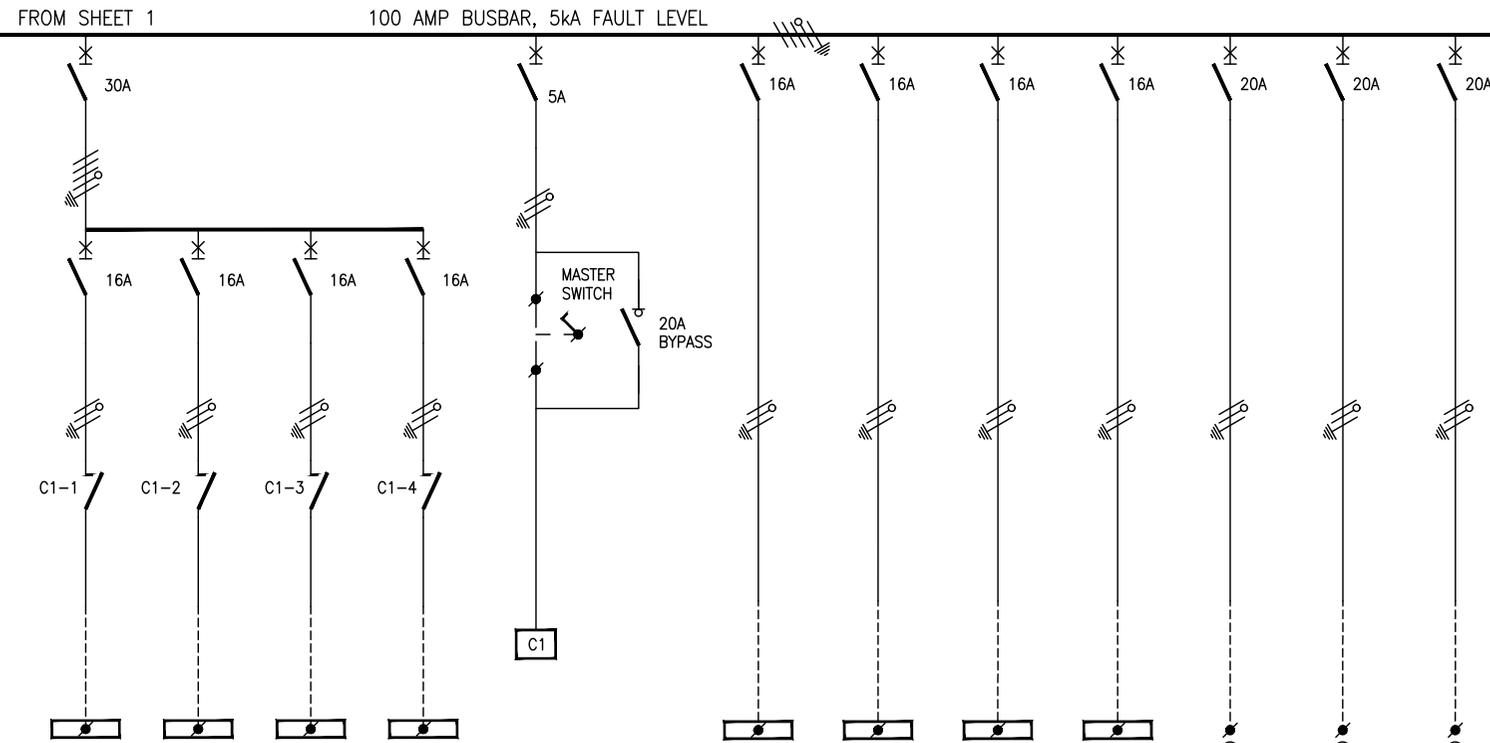
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NOTES

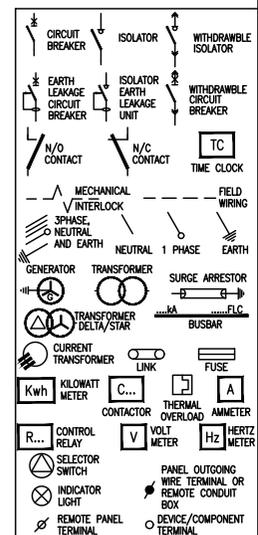
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DRAWING NOTES

- ① CLASS 1+2 SURGE ARRESTORS.



FIELD	CIRCUIT No.	PHASE	DESIGNATION	WIRING	LOAD (AMPS)	No. OF POINTS
	L1	R	LIGHTING	3x2.5mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	L2	W	LIGHTING	3x2.5mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	L3	B	LIGHTING	3x2.5mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	L4	R	LIGHTING	3x2.5mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	L5	W	LIGHTING	3x2.5mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	L6	B	LIGHTING	3x2.5mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	L7	R	LIGHTING	3x2.5mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	L9	W	LIGHTING	3x2.5mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	F1	R	ISOLATOR	3x4mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	F2	W	ISOLATOR	3x4mm ² PVC INSULATED Cu CONDUCTORS	XX	X
	F3	B	ISOLATOR	3x4mm ² PVC INSULATED Cu CONDUCTORS	XX	X



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DRAWING TITLE:	DB-2AE (Essential) Distribution Board Single Line Diagram



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