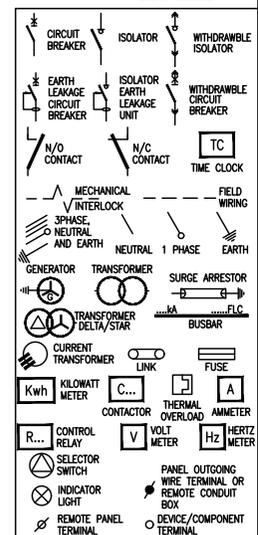


TO SHEET 2

- NOTES**
- 1) DROPPERS/TAILS TO BE RATED FOR FULL PLET 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 IBSYA 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 - ORANGE      |
|                    | -INTERNAL - ORANGE      |
| 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             |

FIELD	CIRCUIT No.	PHASE	DESIGNATION	WIRING	LOAD (AMPS)	No. OF POINTS
			INCOMER	95mm <sup>2</sup> 4 CORE Cu PVC SWA PVC ECC CABLE	XX	X
			DB-2B	35mm <sup>2</sup> 4 CORE Cu PVC SWA PVC ECC CABLE	XX	X
	P1	R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P2	R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P3	R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P4	W	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P5	W	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P6	W	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P7	B	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P8	B	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P9	B	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P10	R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P11	R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	P12	R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X



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ENGINEER	DRAWN	DATE:	SCALE:	CHKD.
KS	SVJ	Jan'26	NTS PAPER SIZE: A3	MK
PROJECT No.	DRAWING No.	SHEET:	REV.	
25024	420	1 of 3	0	
REV	DESCRIPTION	BY	DATE	CHKD.
0	Original Issue	KS	14/01/26	MK

File Name : 25024\_420\_0 Lyr:

TITLE

**DPWI Ulundi Legislative Building  
LA Building**

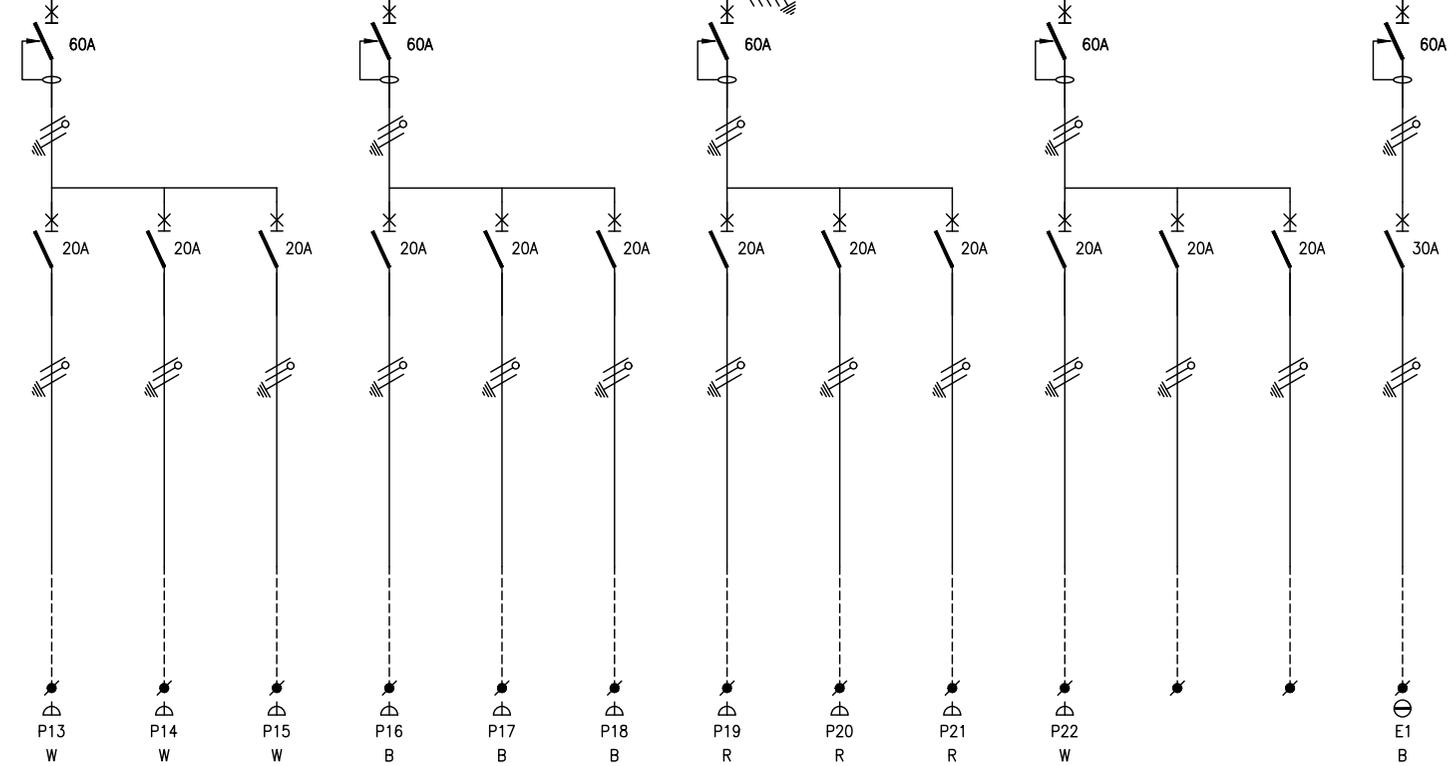
DRAWING TITLE: **DB-2A (Non - Essential)  
Distribution Board  
Single Line Diagram**

**IBUYA** Consulting Engineers  
"POWERING DEVELOPMENT"

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

TEL: +27 (031) 2667332  
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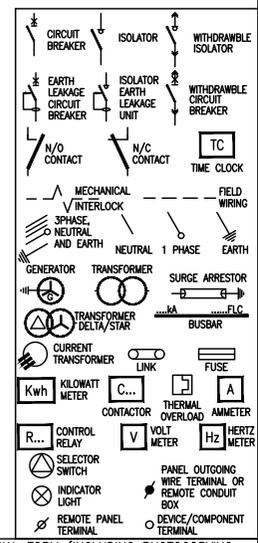
FROM SHEET 1      200 AMP BUSBAR, 5KA FAULT LEVEL      TO SHEET 3



FIELD CIRCUIT No. PHASE	DESIGNATION	WIRING	LOAD (AMPS)	No. OF POINTS
P13 W	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P14 W	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P15 W	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P16 B	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P17 B	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P18 B	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P19 R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P20 R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P21 R	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
P22 W	SWITCHED SOCKET OUTLET	3x4mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X
	SPARE		XX	X
	SPARE		XX	X
E1 B	GEYSER	3x6mm <sup>2</sup> PVC INSULATED Cu CONDUCTORS	XX	X

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**DRAWING NOTES**  
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PROJECT No.	DRAWING No.	SHEET:	REV.	
25024	420	2 of 3	0	
REV	DESCRIPTION	BY	DATE	CHKD.
0	Original Issue	KS	14/01/26	MK

TITLE  
**DPWI Ulundi Legislative Building  
 LA Building**

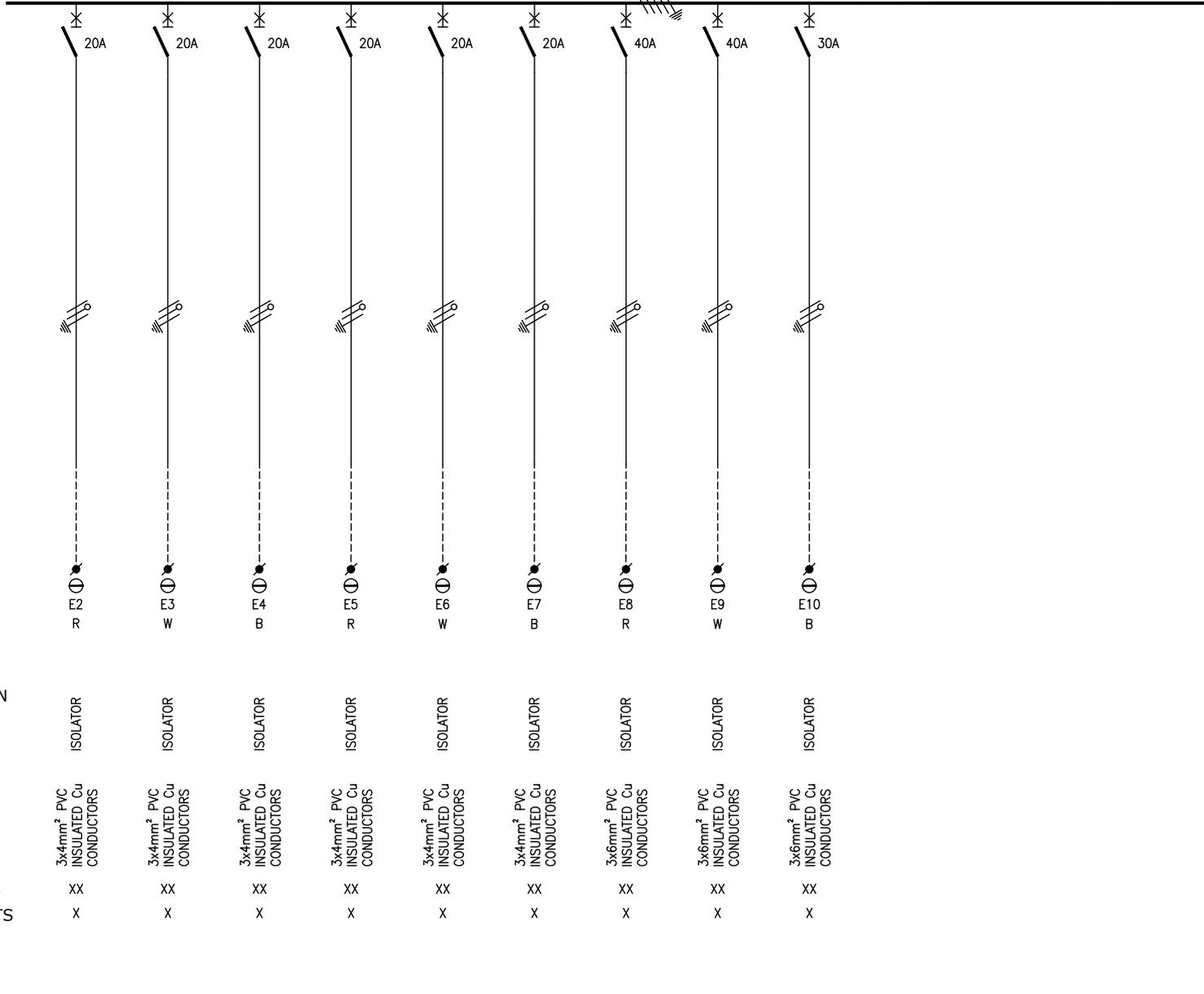
DRAWING TITLE:  
**DB-2A (Non - Essential)  
 Distribution Board  
 Single Line Diagram**

BAKER TILLY HOUSE  
 FIRST FLOOR  
 18 WESTVILLE ROAD  
 WESTVILLE  
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FROM SHEET 2

200 AMP BUSBAR, 5ka FAULT LEVEL

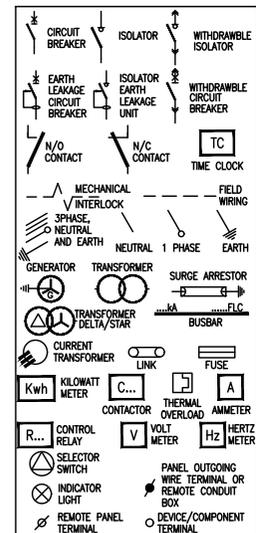


**NOTES**

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REV	DESCRIPTION	BY	DATE	CHKD.	FILE NAME	Lyr:
0	Original Issue	KS	14/01/26	MK	25024_421_0	

ENGINEER	DRAWN	DATE	SCALE:	CHKD.	TITLE
KS	SVJ	Jan'26	NTS PAPER SIZE: A3	MK	DPWI Ulundi Legislative Building LA Building
PROJECT No.	DRAWING No.	SHEET:	REV.	DRAWING TITLE:	
25024	420	3 of 3	0	DB-2A (Non - Essential) Distribution Board Single Line Diagram	

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