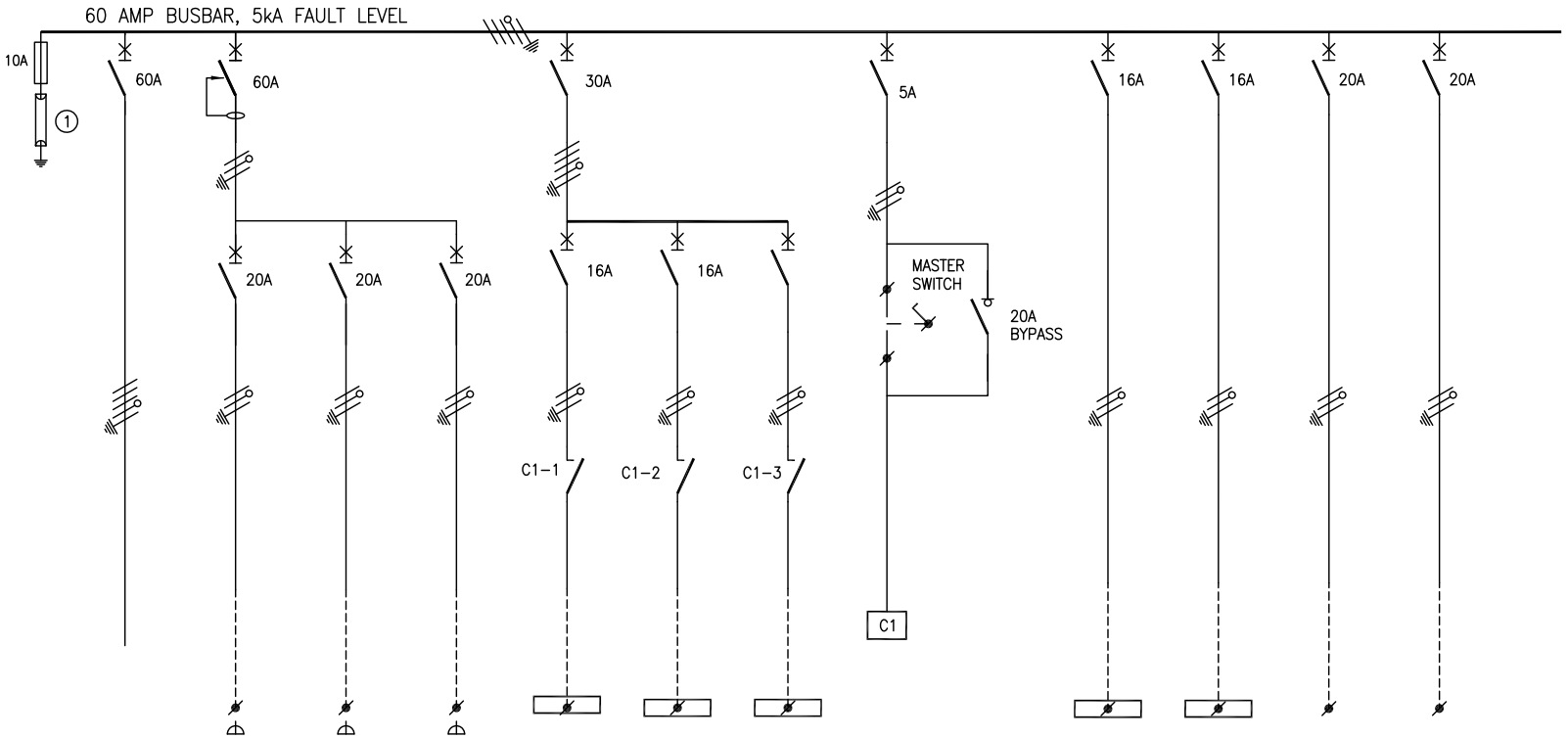


FIELD											
CIRCUIT No.	P1	P2	P3	L1	L2	L3	L4	L5	E1	E2
PHASE	R	R	R	R	W	B	R	W	B	R
DESIGNATION	INCOMER	SWITCHED SOCKET OUTLET	SWITCHED SOCKET OUTLET	SWITCHED SOCKET OUTLET	LIGHTING	LIGHTING	LIGHTING	LIGHTING	AIRCON	AIRCON
WIRING	EXISTING CABLE TO BE RE-USED	3x4mm² PVC INSULATED Cu CONDUCTORS	3x4mm² PVC INSULATED Cu CONDUCTORS	3x4mm² PVC INSULATED Cu CONDUCTORS	3x2.5mm² PVC INSULATED Cu CONDUCTORS	3x2.5mm² PVC INSULATED Cu CONDUCTORS	3x2.5mm² PVC INSULATED Cu CONDUCTORS	3x2.5mm² PVC INSULATED Cu CONDUCTORS	3x4mm² PVC INSULATED Cu CONDUCTORS	3x4mm² PVC INSULATED Cu CONDUCTORS
LOAD (AMPS)	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
No. OF POINTS	X	X	X	X	X	X	X	X	X	X

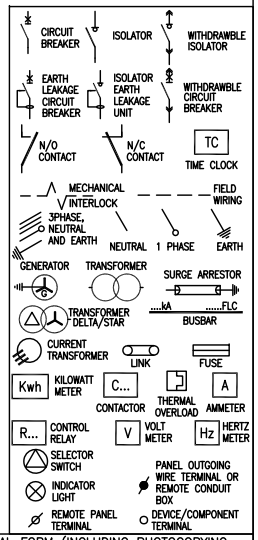
NOTES

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.

DRAWING NOTES

1 CLASS 1+2 SURGE ARRESTORS.

INCOMING	-TOP/BOTTOM
OUTGOING CIRCUITS	-TOP/BOTTOM
COLOUR	-EXTERNAL - ORANGE
	-INTERAL - 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.
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25024	409	1 of 1	0

File Name : 25024_409_0 Lyr:

TITLE

DPWI Ulundi Legislative Building
LA Building

DRAWING TITLE:

DB-GH
Distribution Board
Single Line Diagram

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