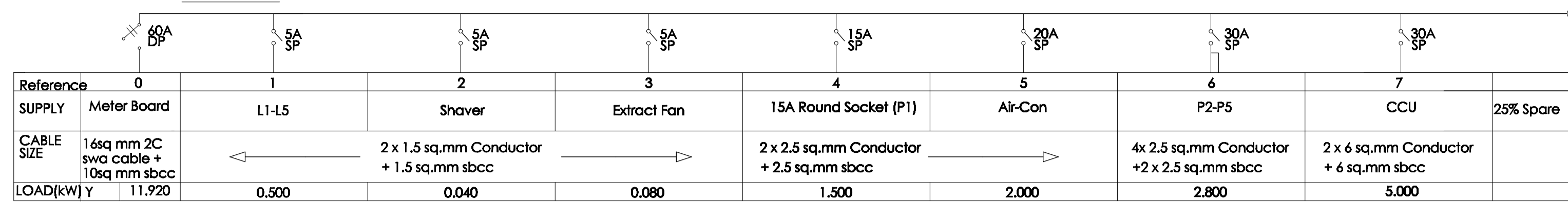


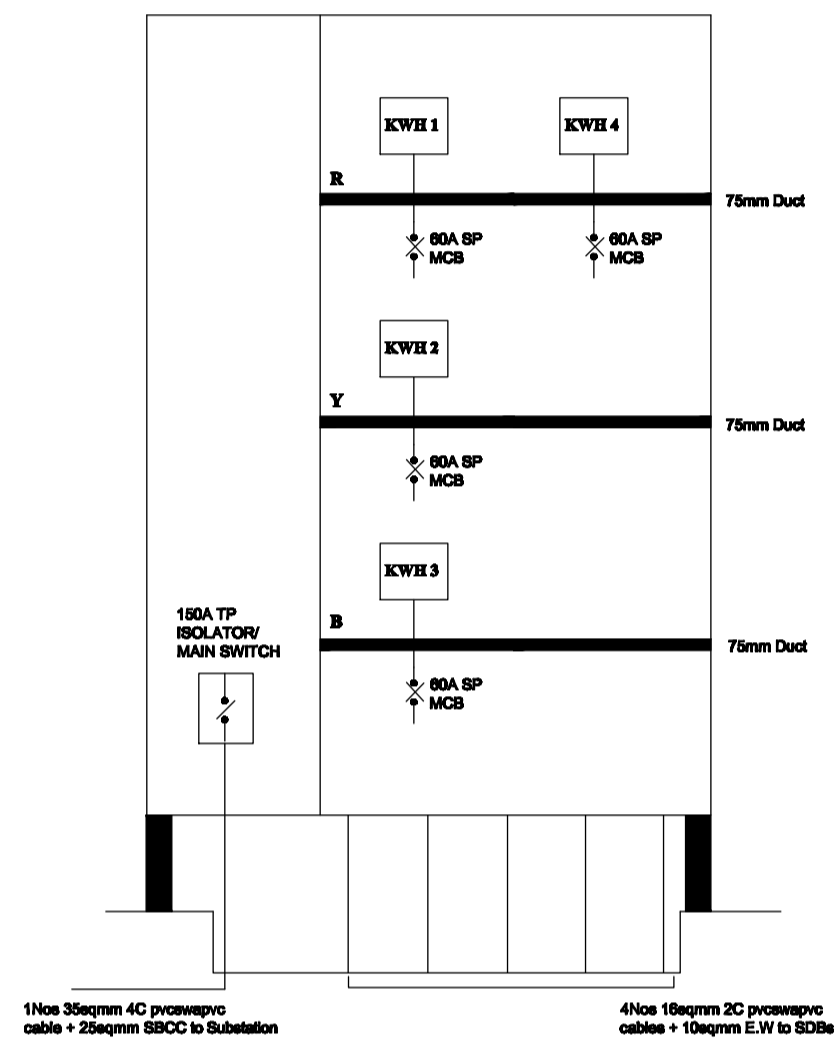
SINGLE HOUSEHOLD DB

220V 50Hz



ELECTRICAL LEGEND	
	5A 1 Gang 1 Way Switch at 1400mm A.F.F.L
	5A 2 Gang 1 Way Switch at 1400mm A.F.F.L
	Brass batten lamp holder c/w shade and 11W CFL
	Rectangular bulkhead fitting c/w 9W CFL
	Rectangular bulkhead fitting with metal base c/w 20W CFL
	shaver socket outlet
	13A double socket outlet
	15A round socket outlet
	distribution board
	Cooker Control Unit
	Air-conditioner isolator
	Extract Fan isolator
	110mm PVC duct
	75mm PVC duct
	Free standing meter board

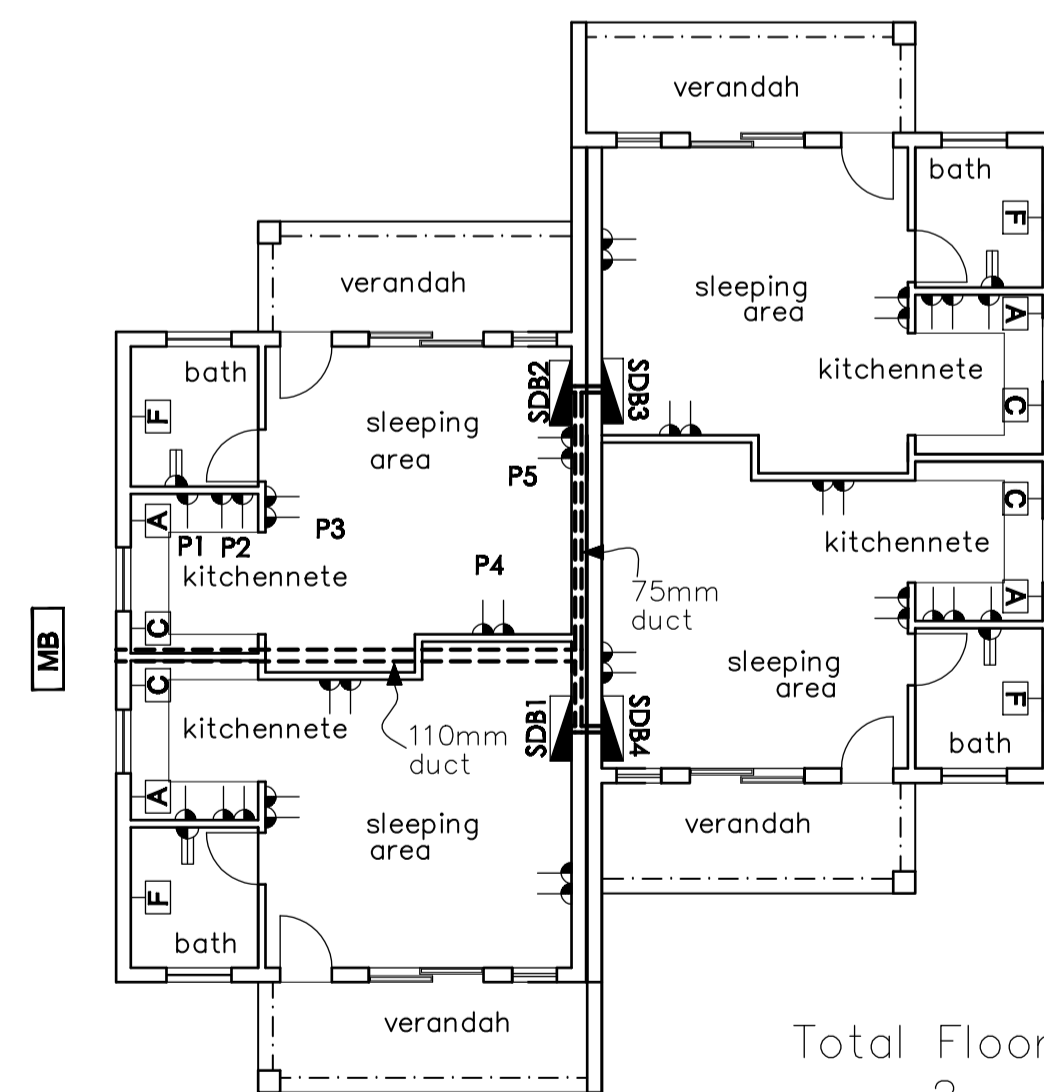
METER BOARD 01 LAYOUT



METER BOARD 'MB 01'

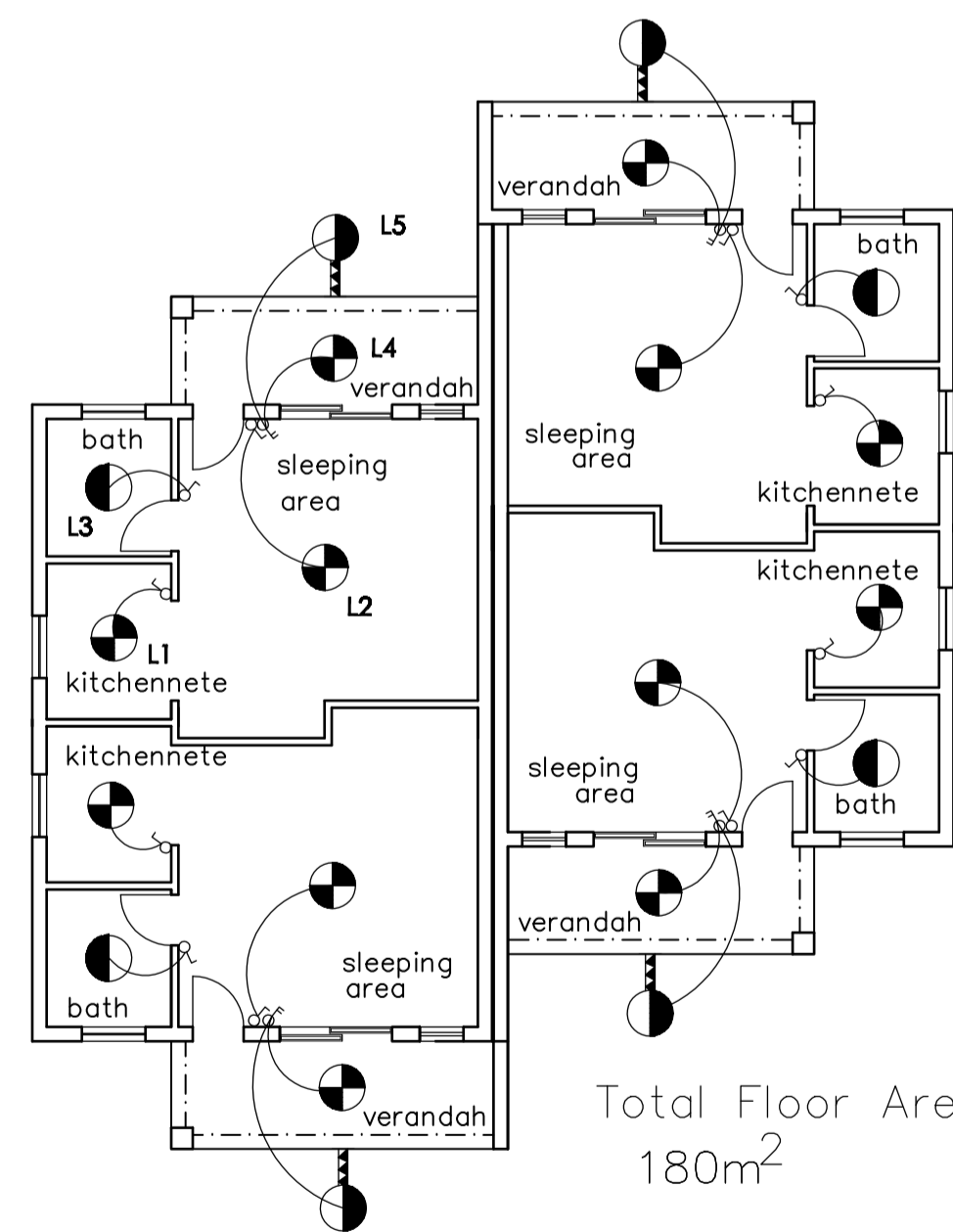
DB NAME: FP 01	LOCATION: OUTSIDE					
ISOLATOR: 200A TP	RATING KA: 6KA					
	NO OF WAYS: 4 x 1 PHASE					
FEEDER CABLE SIZE: 35mm ² 4C PVCSWA + 25mm ² BARE EARTH						
WAY	DESCRIPTION	CIRCUIT ID	WATTS	BREAKER	CABLE SIZE	REMARKS
R	Apartment 1	SB01	9840	60A SP	16mm ² + E	PVC/SW/MVC
Y	Apartment 2	SB02	9840	60A SP	16mm ² + E	PVC/SW/MVC
B	Apartment 3	SB03	9840	60A SP	16mm ² + E	PVC/SW/MVC
R	Apartment 4	SB04	9840	60A SP	16mm ² + E	PVC/SW/MVC

TWO COMPARTMENT FREE STANDING METER BOARD 'MB 01' SCHEMATICS



Total Floor Area 180m²

Floor Plan scale 1:100



Total Floor Area 180m²

NOTES

- All contactor boards and double pole switches shall be installed by the electrical Subcontractor adjacent to the respective equipment. The electrical Subcontractor shall ascertain the exact locations from the main Contractor.
- Each light switch shall be provided with a separate conduit drop and the electrical Subcontractor shall pay attention to columns and other structural elements.
- All incoming water and/or gas services shall each be separately bonded at the point of entry via 16 sqmm BCEW in conduit and connected to the earth bar in the associated distribution board. The electrical Subcontractor shall ascertain the exact locations from the builder.
- The electrical Subcontractor shall link each television outlet via a separate 25mm dia conduit.
- All cable trenches shall be 100mm deep x 500mm wide. Cables shall be laid on 75mm sand and riddled earth carpet covered by 75mm sand blanket and 225mm x 150mm cable warning tiles to BS 2484 or equivalent. The earth shall be reinstated in 100mm layers, hand ramming the first 2 layers.
- A 150mm wide micron rot resistant polythene cable warning tape shall be installed at 500mm below ground level and above cables. Separate warning tapes shall be provided for each trench.
- All trenching shall be done by the electrical subcontractor. The afore-said carries the responsibility of providing PVC sleeves including the necessary draw wires.sub/main cables and street lighting cables shall be installed in soft ground at a depth of 1000mm. Where these cables enter buildings, cross roads or paved areas, they shall be installed in PVC sleeves.
- Circuitry on lighting and power drawings shall take precedence over figures shown on distribution board schedules.
- All distribution board spare ways shall be blanked off but labelled to indicate the respective ratings.
- All 13A switched socket outlets to be wired in ring circuits and to be mounted 300mm above finished floor level. The 15A switched socket outlet and the shaver socket shall be mounted 1500mm above finished floor level.
- Unless indicated otherwise, all distribution boards shall be equipped with 5KA minimum breaking capacity MCBs.
- All electrical services drawings shall be read in conjunction with all other services drawings.
- Position of meter board to be decided by Engineer in consultation with ZESA on site but shall not be more than 3m from the entry point of the 110mm duct into the building.
- Each household shall have its own electrical meter. All the four meters shall be housed in a single meter cabinet.

Notes
Main / [Meter] Board (M.B) to be suitably positioned in the direction of power supply.

AO 1:100

Notes	AMENDMENT		Description :	<p>Ministry of Local Government, Public Works and National Housing P.O. Box CY441 , Causeway Zimbabwe</p>	Engineer	Director Eng	Ministry	Centre
	Ltr	date			Init	P.MASHINGAIDZE	ENG.H. HUNGWE	MIN OF FIN. AND ECO. DEV
					Designed	Branch Head	Title	
					P.MASHINGAIDZE	S.M.SINGO	ZIMRA 4 BEDROOMED STAFF COTTAGES	
					Drawn	Scale	Description	
					D.CHARAMBA	1:100	ELECTRICAL INSTALLATION	
					Checked	Date	Stock Drwg No	G.P. No
					M.SIFEKU	AUGUST 2018		Proj No
					Telephone (04) 700850	File Ref		192383/E/01