

President Office, Regional Administration and Local Government,
Government City- Mtumba,
TAMISEMI Street
P.O.Box 1923,
41185 Dodoma.

CLIENT
PRESIDENT'S OFFICE, REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT MKAPA BUILDING, P.O.BOX 1923,41185 DODOMA.

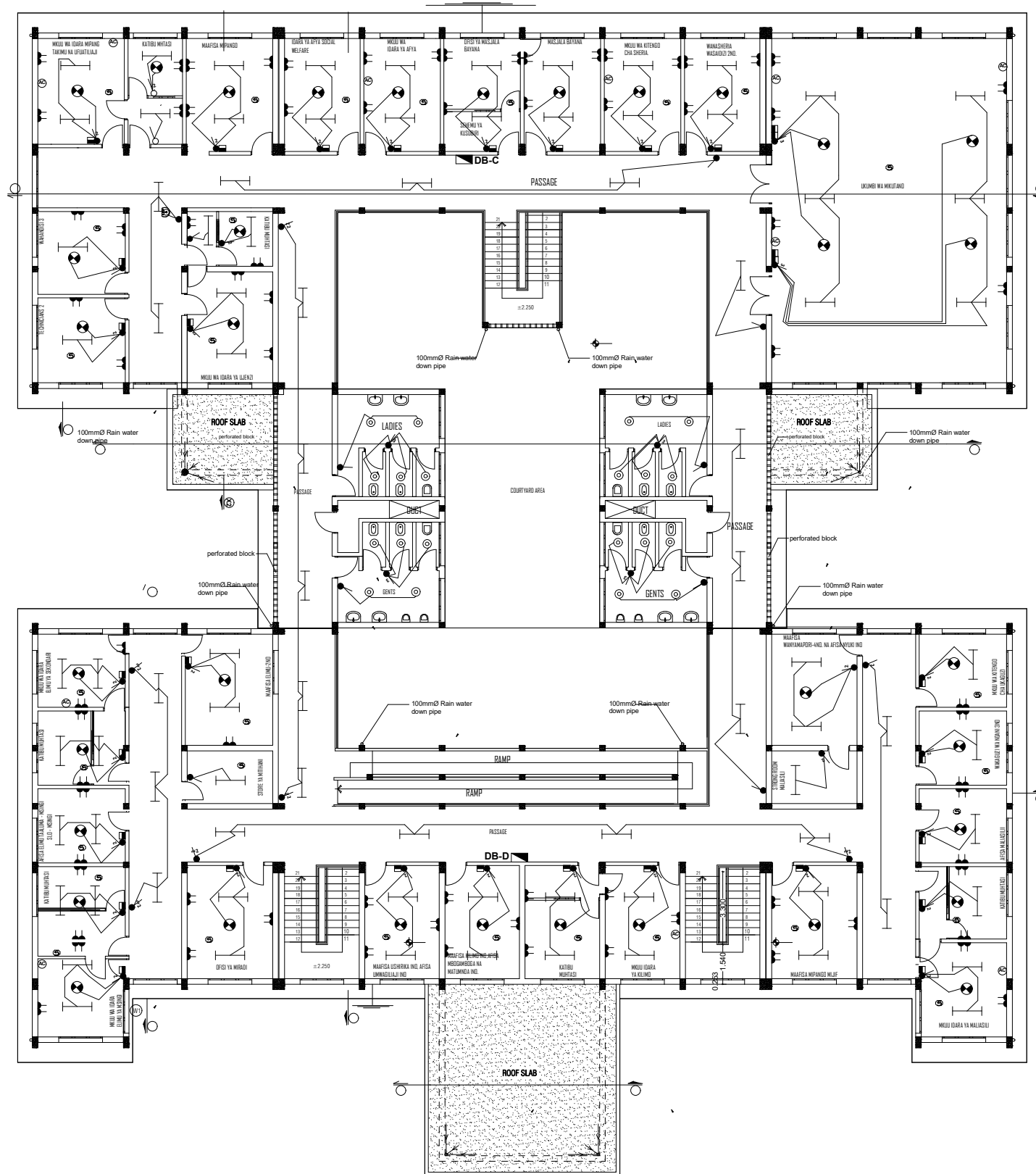
PROJECT
PROPOSED STANDARD DRAWINGS FOR DISTRICT COUNCILS OFFICE IN TANZANIA

DRAWING TITLE
ELECTRICAL PLAN
GROUND FLOOR

PROJECT NO.	
DRAWN BY;	EEC
CHECKED BY;	IAS
DATE	MARCH,2020

E/101

SCALE 1:100



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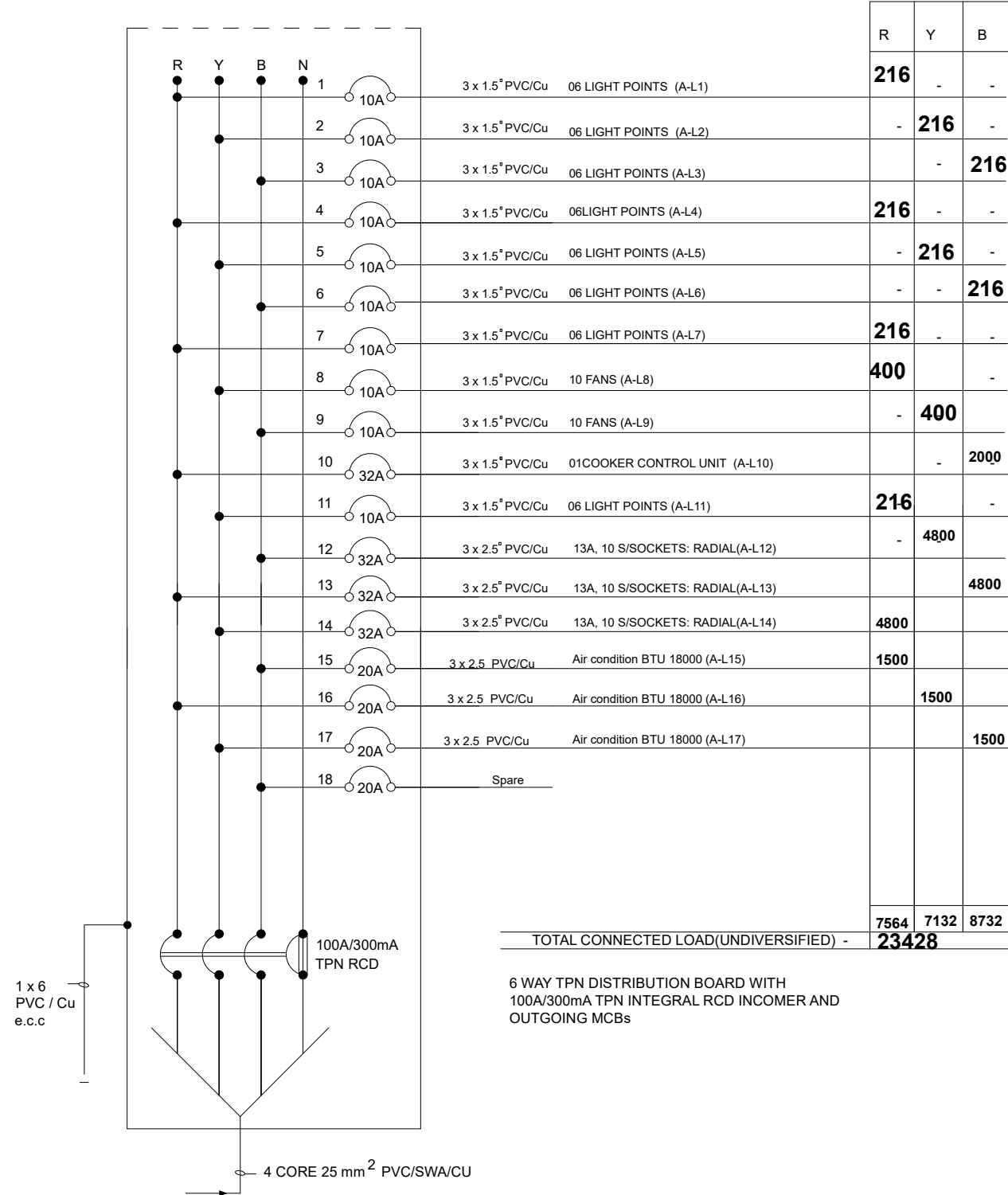
DRAWING TITLE
ELECTRICAL PLAN
 FIRST FLOOR

PROJECT NO.	
DRAWN BY;	EEC
CHECKED BY;	IAS
DATE	MARCH, 2020

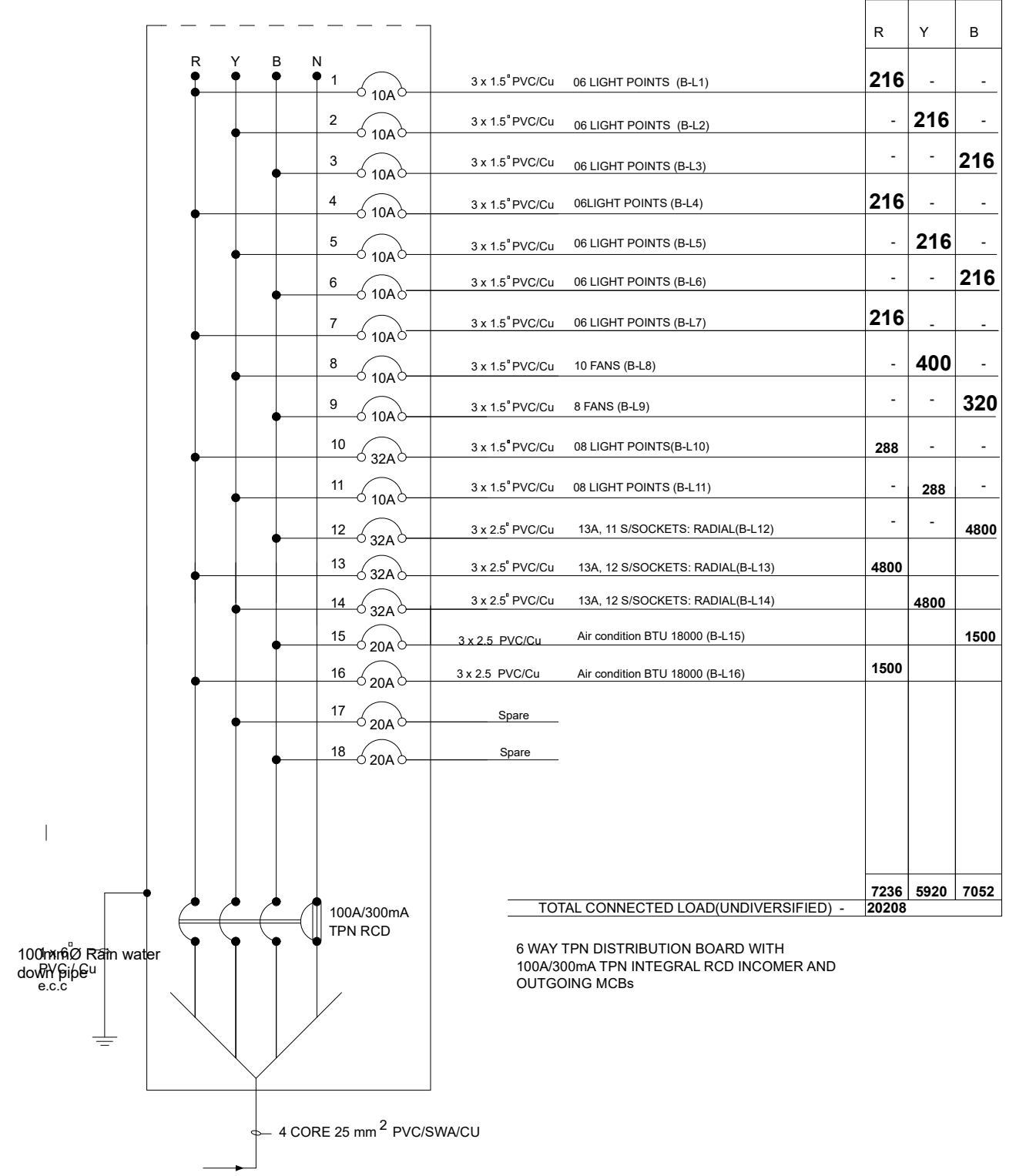
E/102

SCALE 1:100

GROUND FLOOR DISTRIBUTION BOARD (DB-A)



GROUND FLOOR DISTRIBUTION BOARD (DB-B)



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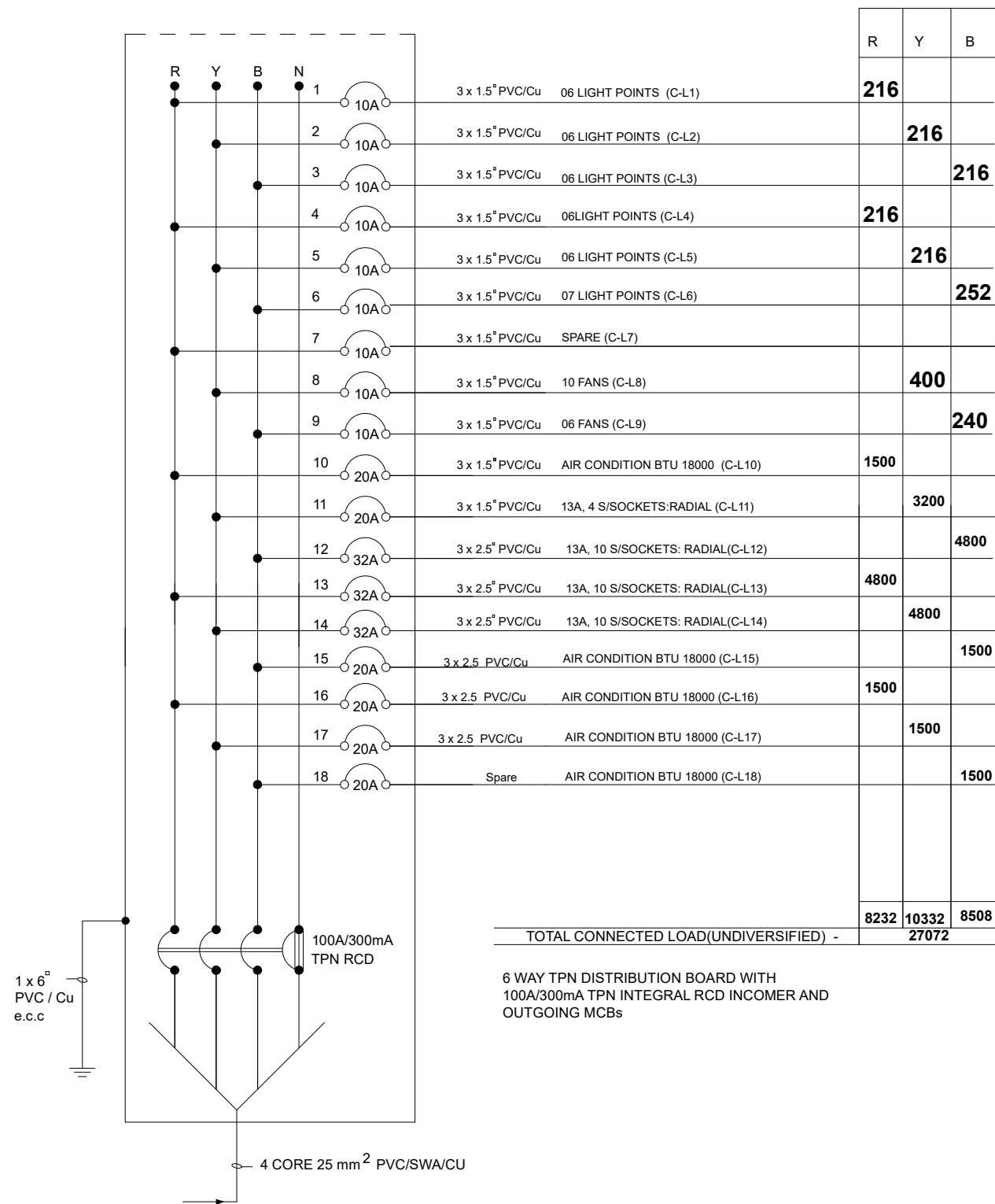
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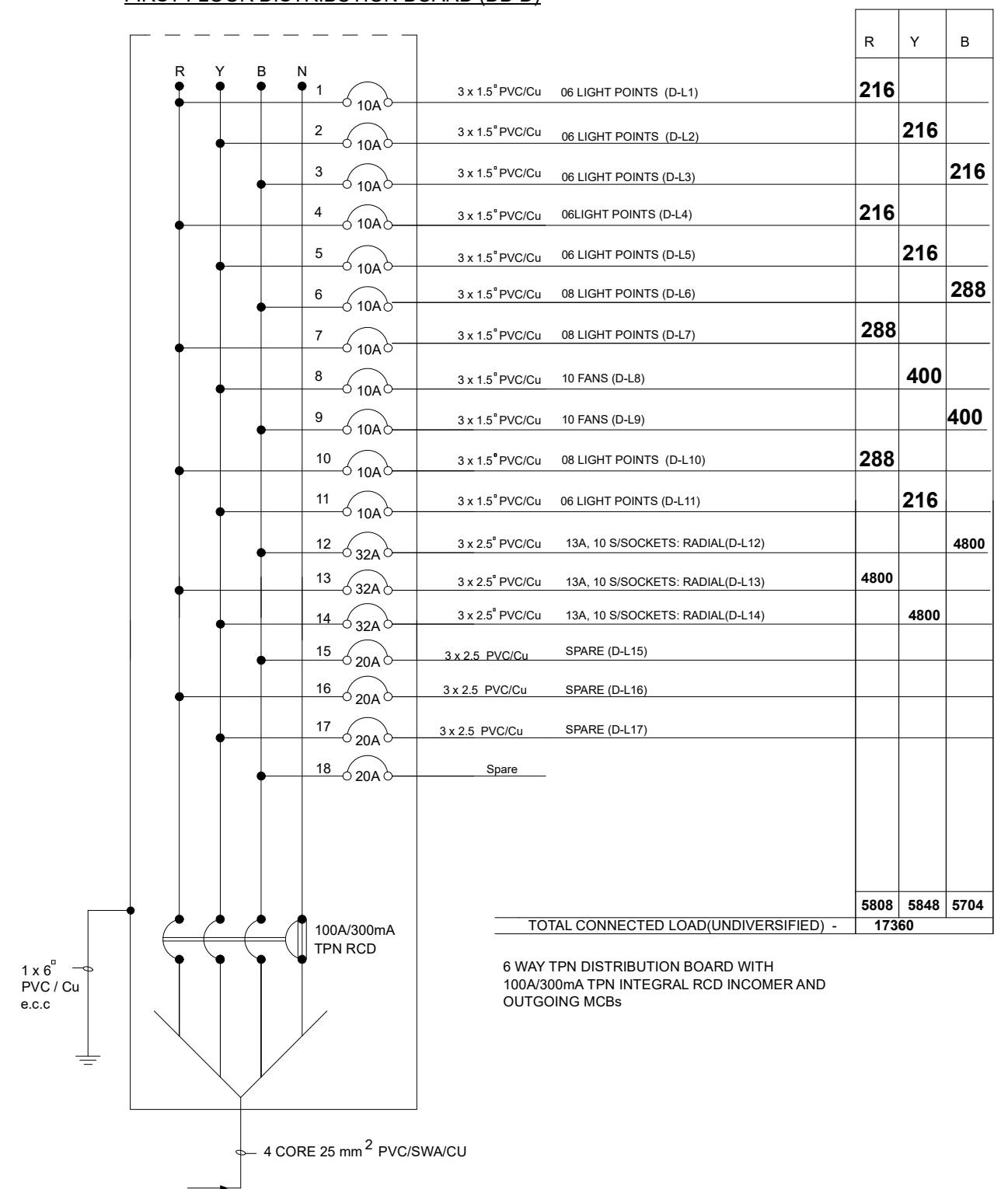
DRAWING TITLE
ELECTRICAL DISTRIBUTION BOARD A#B

PROJECT NO.		E/103
DRAWN BY;	EEC	
CHECKED BY;	IAS	
DATE	MARCH, 2020	
SCALE		1:100

FIRST FLOOR DISTRIBUTION BOARD (DB-C)



FIRST FLOOR DISTRIBUTION BOARD (DB-D)



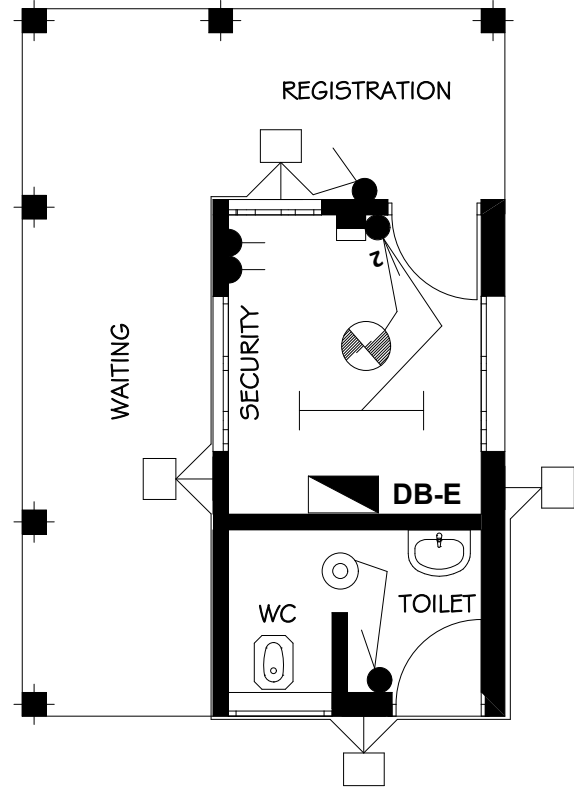
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PROJECT
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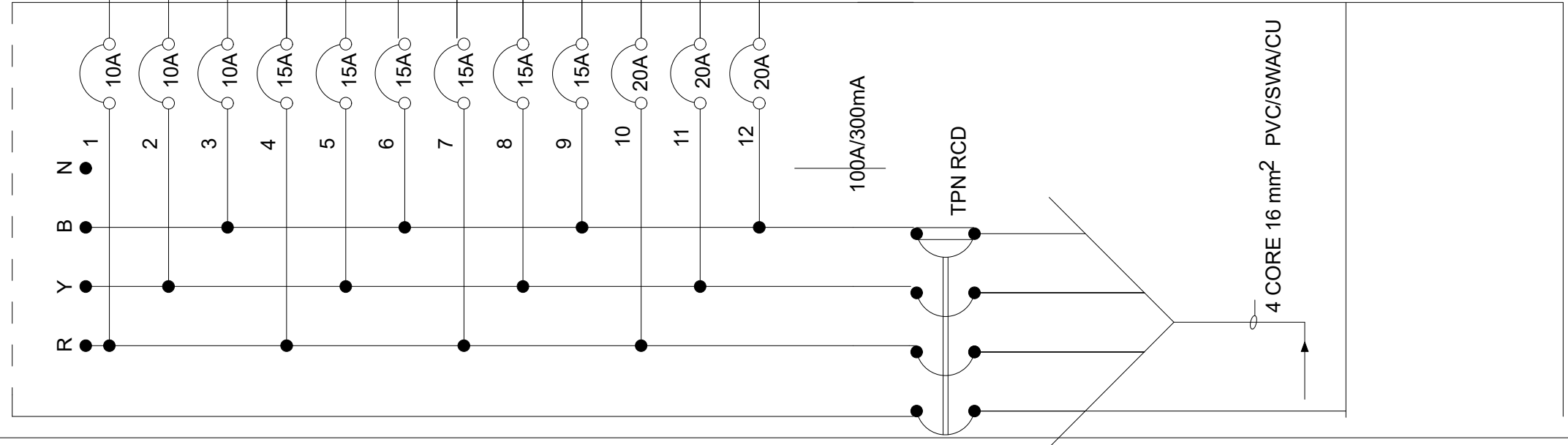
DRAWING TITLE
ELECTRICAL DISTRIBUTION BOARD C#D

PROJECT NO.		E/104
DRAWN BY;	EEC	
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DATE	MARCH,2020	
		SCALE 1:100

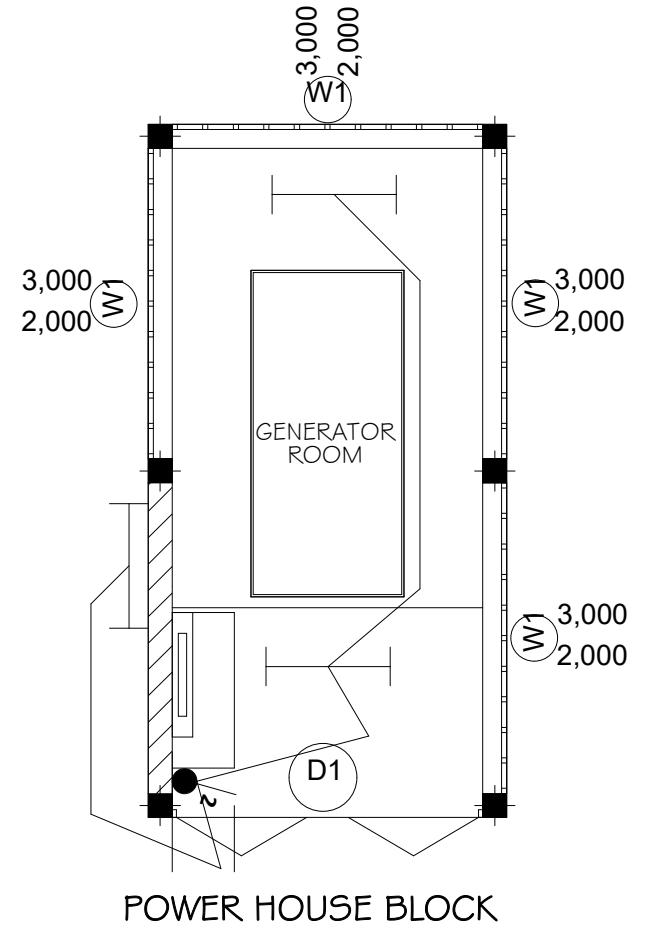


FIRST FLOOR DISTRIBUTION BOARD (DB-E)

R	Y	B
512		
	-	
	746	
500		
	500	
		500
500		
	500	
		500
746		
	746	
		800
		1800
TOTAL CONNECTED LOAD(UNDIVERSIFIED) - 6554		



4 WAY TPN DISTRIBUTION BOARD WITH
100A/300mA TPN INTEGRAL RCD INCOMER AND
OUTGOING MCBs



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PROJECT
PROPOSED STANDARD DRAWINGS FOR DISTRICT COUNCILS
OFFICE IN TANZANIA

Drawing title
GATE HOUSE BLOCK
ELECTRICAL PLAN #DISTRIBUTION BOARD

Project number		E105
Date	MARCH, 2020	
Drawn by	EEC	Scale 1:100
Checked by	IAS	

KEY TO SYMBOLS AND ABBREVIATION

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	Distribution Board with integral RCD	2000 mm AFFL
	Bulkhead light Fitting	Wall Mounted
	Energy Saver Ceiling Light C/w holder	On Ceiling
	4FT Fluorecent Light	On Ceiling
	4FT Single Fluorecent Light	On ceiling
	Ceilling Fan	On Ceiling
	Fan Regulator	1500 mm AFFL
	1 gang 1way Switch	1500 mm AFFL
	1 gang 2way Switch	1500 mm AFFL
	2 gang 2way Switch	1500 mm AFFL

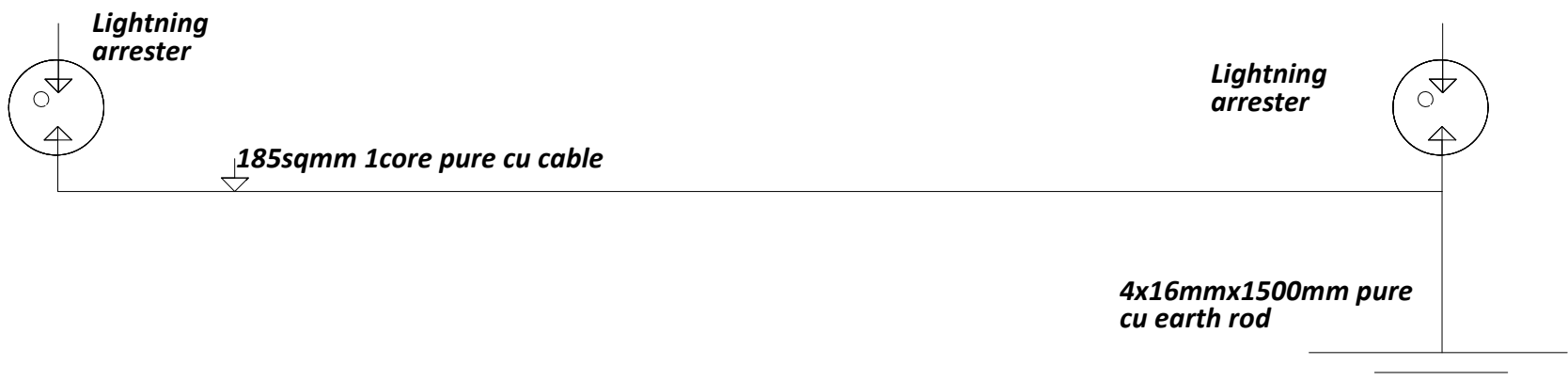
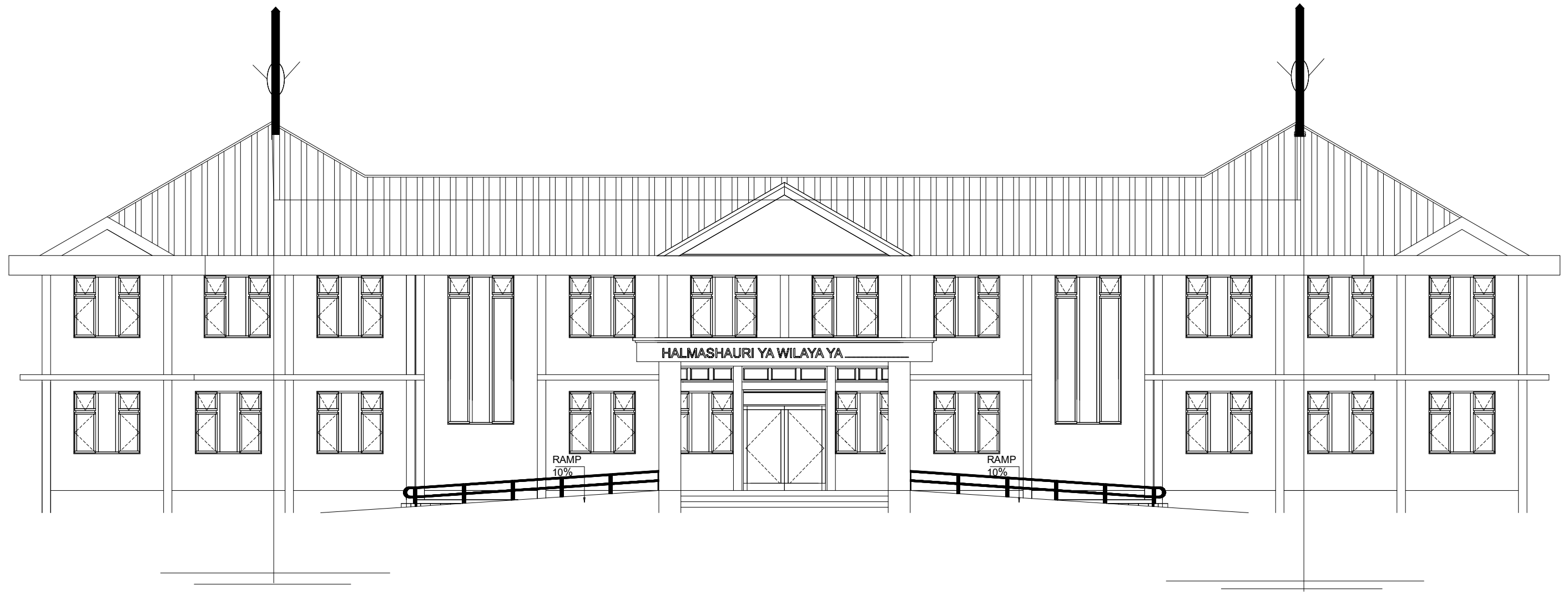
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	3 gang 1way Switch	1500 mm AFFL
	2 gang 1way Switch	1500 mm AFFL
	4 gang 1way Switch	1500 mm AFFL
	Twin Switch Socket	450 mm AFFL
	Cooker control unit	1200 mm AFFL
	Air condition	2500 mm AFFL
	Earth point	2500 mm Underground
SWA	Steel wire armoured	
SPN	Single phase and neutral	
TPN	Three phase and neutral	
DB	Distribution board	
	DP switch	
	Fire smoke ditector	

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PROPOSED STANDARD DRAWINGS FOR DISTRICT COUNCILS OFFICE IN TANZANIA

DRAWING TITLE
ELECTRICAL DISTRIBUTION BOARD C#D

PROJECT NO.		E/106
DRAWN BY;	EEC	
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DATE	MARCH,2020	
		SCALE 1:100



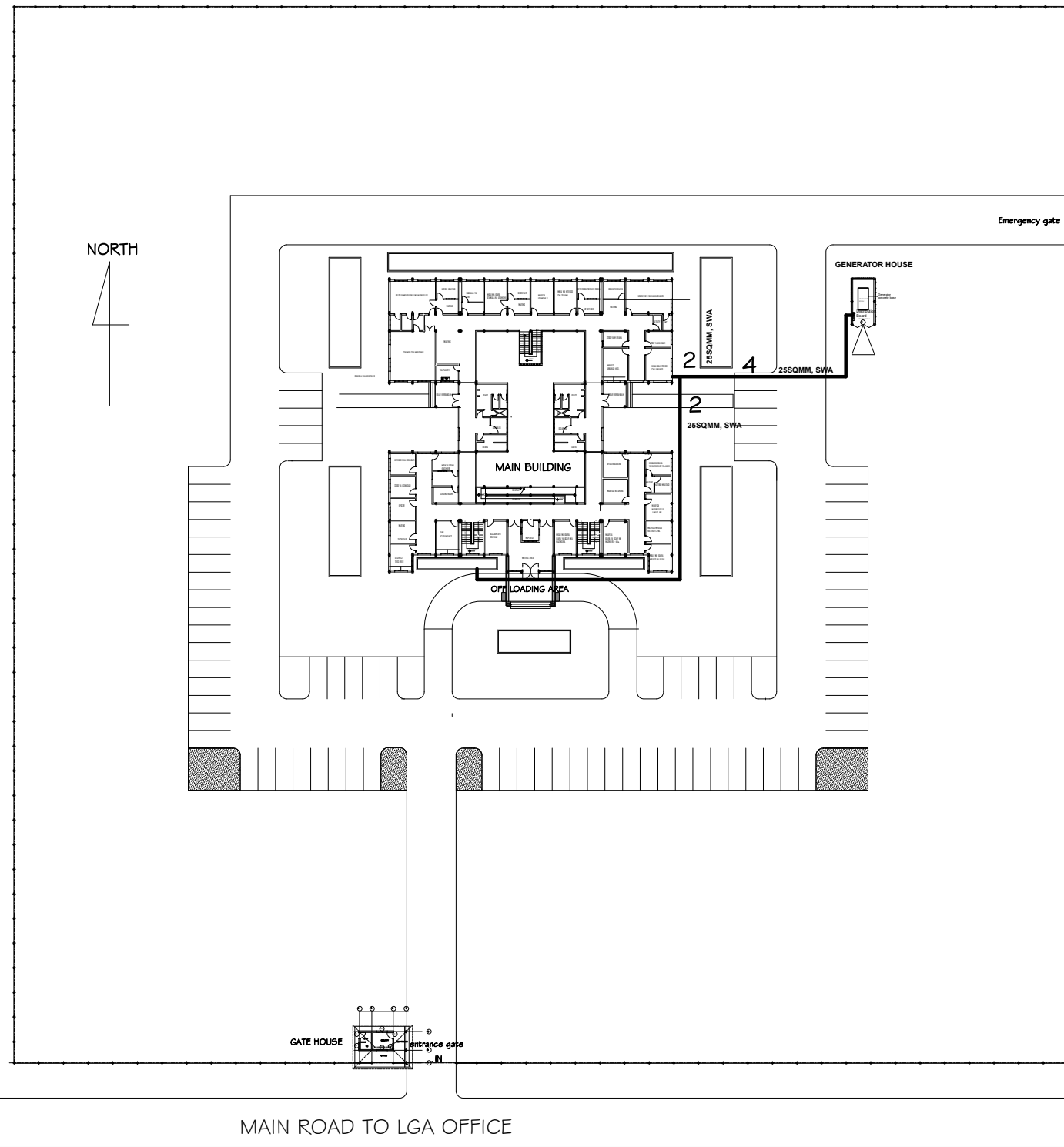
NOTES

1. Only areas of the country where are susceptible to lightning strikes and only few structure require a lightning protection system
2. System should be installed correctly to ensure safety and protection are added to the building.
3. All low voltage cabling to be located a minimum of 1800mm from lightning protection.
4. Any metallic elements that rise above the roof should be connected to the closest down conductor.
5. The routing of the down conductor should be as straight as possible following the shortest path avoiding sharp bends.
6. The bending radii should not be less than 20cm.
7. The grounding system should be placed in a registry cage in order to do periodical inspections.
8. The resistance value measured using conventional equipment should be less than 10ohms.
9. All earthing system for a same structure should be interconnected.
10. To achieve lower soil resistivity mineral compound (salt, chacoal) should be added.
11. Down conductors will placed preferably at the external part of the structure.
12. Lightning arrester rod should be installed to the high rise building
13. Installation of lightning arrester should be performed by technically qualified personnel

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PROPOSED STANDARD DRAWINGS FOR DISTRICT COUNCILS OFFICE IN TANZANIA

DRAWING TITLE		
LIGHTNING ARRESTER PLAN		
PROJECT NO.	EEC	E/107
DRAWN BY;	IAS	
CHECKED BY;	MARCH, 2020	
DATE	SCALE 1:100	



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PROJECT
**PROPOSED STANDARD DRAWINGS FOR DISTRICT
COUNCILS OFFICE IN TANZANIA**

DRAWING TITLE
POWER SUPPLY

PROJECT NO.		E/108
DRAWN BY;	EEC	
CHECKED BY;	IAS	
DATE	MARCH,2020	SCALE 1:100