


















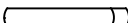





*DIGITAL PARK*

*ELECTRICAL SERVICES  
DRAWINGS*

LEGEND	
SYMBOL	DESCRIPTION
	SINGLE GANG SWITCH
	DOUBLE GANG SWITCH
	TRIPLE GANG SWITCH
	SINGLE TWO-WAY SWITCH
	DOUBLE TWO-WAY SWITCH
	TRIPLE TWO-WAY SWITCH
	LED POLE LIGHT
	LED PANEL LIGHT
	LED RECESSED LIGHT
	LED TUBE LIGHT
	FLOOR FIXED SINGLE 13A SOCKET OUTLET
	FLOOR FIXED SINGLE DATA 13A SOCKET OUTLET
	FLOOR FIXED DOUBLE 13A SOCKET OUTLET

LEGEND	
SYMBOL	DESCRIPTION
	CEILING PADDLE FAN SWITCH
	CEILING PADDLE FAN
	DISTRIBUTION BOX
	MAIN PANEL BOARD
	SMOKE DETECTOR
	CCTV CAMERA

LEGEND	
SYMBOL	DESCRIPTION
	INDOOR UNIT A.C. (WALL MOUNTED)
	OUTDOOR UNIT CONDENSER
	INDOOR UNIT A.C. (STANDING)
	OUTDOOR UNIT CONDENSER

NOTE :

PROJECT TITLE	DIGITAL PARK		ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE: LEGENDS	
			DRAWN BY	IWEIBO S.E		
	CLIENT		CHECKED BY		DRAWING SCALE:	DRAWINNG NO:
LOCATION			APPROVED BY			
			DATE	NOVEMBER, 2021.	N.T.S.	E01

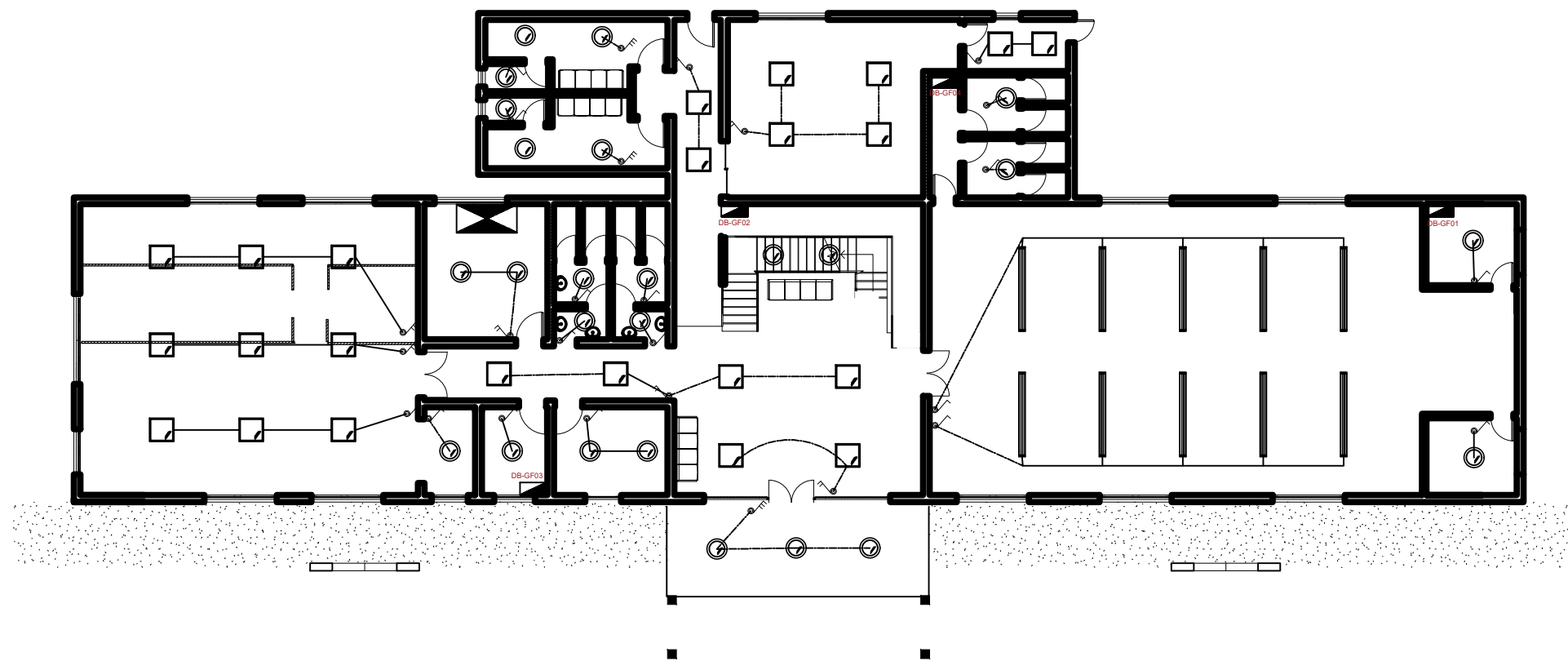
## GENERAL NOTES

- 1) LIGHTING CIRCUITS SHALL BE WIRED USING 3X1.5mmsq. SC PVS CABLES AND PROTECTED IIN CIRCUIT WITH 6A MCB (EXCLUDING LIGTHING CIRCUIT L4 WHICH WILL BE PROTECTED WITH 10A MCB)
- 2) 13A SOCKETS SHALL BE WIRED USING 3X2.5mmsq. SC PVC CABLE AND PROTECTED IN 30A MCB EXCEPT STATED OTHERWISE
- 3) A/C AND 15A SOCKET SHALL BE WIRED USING 3X4mmsq.PVC CABLE AND PROTECTED IN 20A MCB.
- 4) ALL WIRING NETWORKS, AND CIRCUITS ARE ALL TO BE FIXED IN THE MAIN PANEL BOARD WHICH WILL BE SITUATED IN THE SERVER/CONTROL ROOM.
- 5) FLOOR FIXED SOCKETS ARE TO BE OF NON-CORROSIVE OR PVC MATERIAL COATING, ALL PLACEMENTS OF SOCKETS SHOULD BE IN ACCORDANCE TO THE POWER OUTLET LAYOUT.
- 6) CCTV CAMERAS ARE TO BE SITUATED AT POSITIONS ILLUSTRATED IN THE LAYOUT.

NOTE :

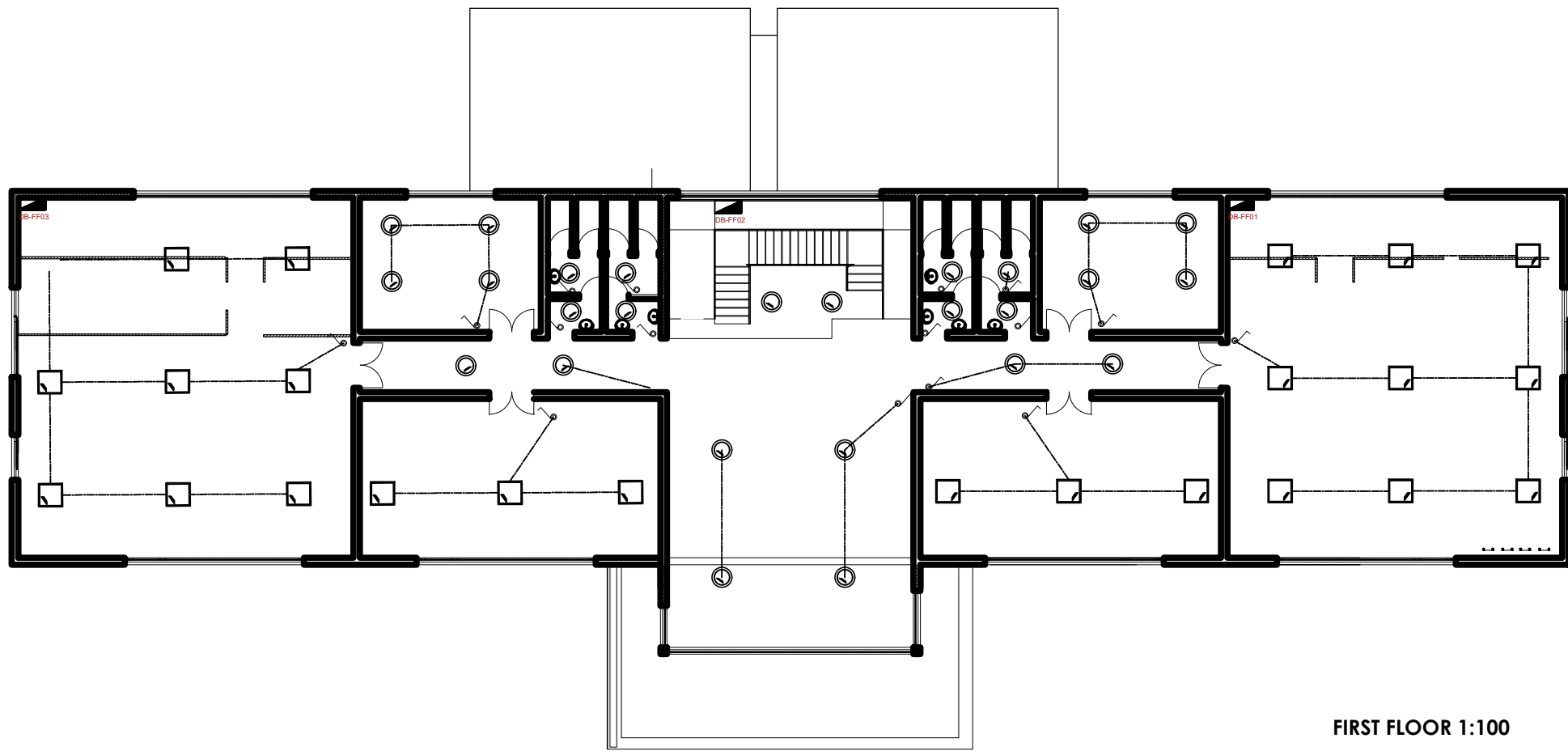
PROJECT TITLE  DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  GENERAL NOTES	
	DRAWN BY	IWEIBO S.E		
	CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWING NO:  E02
CLIENT	APPROVED BY			
LOCATION	DATE	NOVEMBER, 2021.		





**NOTE :**

PROJECT TITLE  DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  LIGHTING LAYOUT	
	DRAWN BY	IWEIBO S.E		
CLIENT	CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWING NO:  E04
LOCATION	APPROVED BY			
	DATE	NOVEMBER, 2021.		



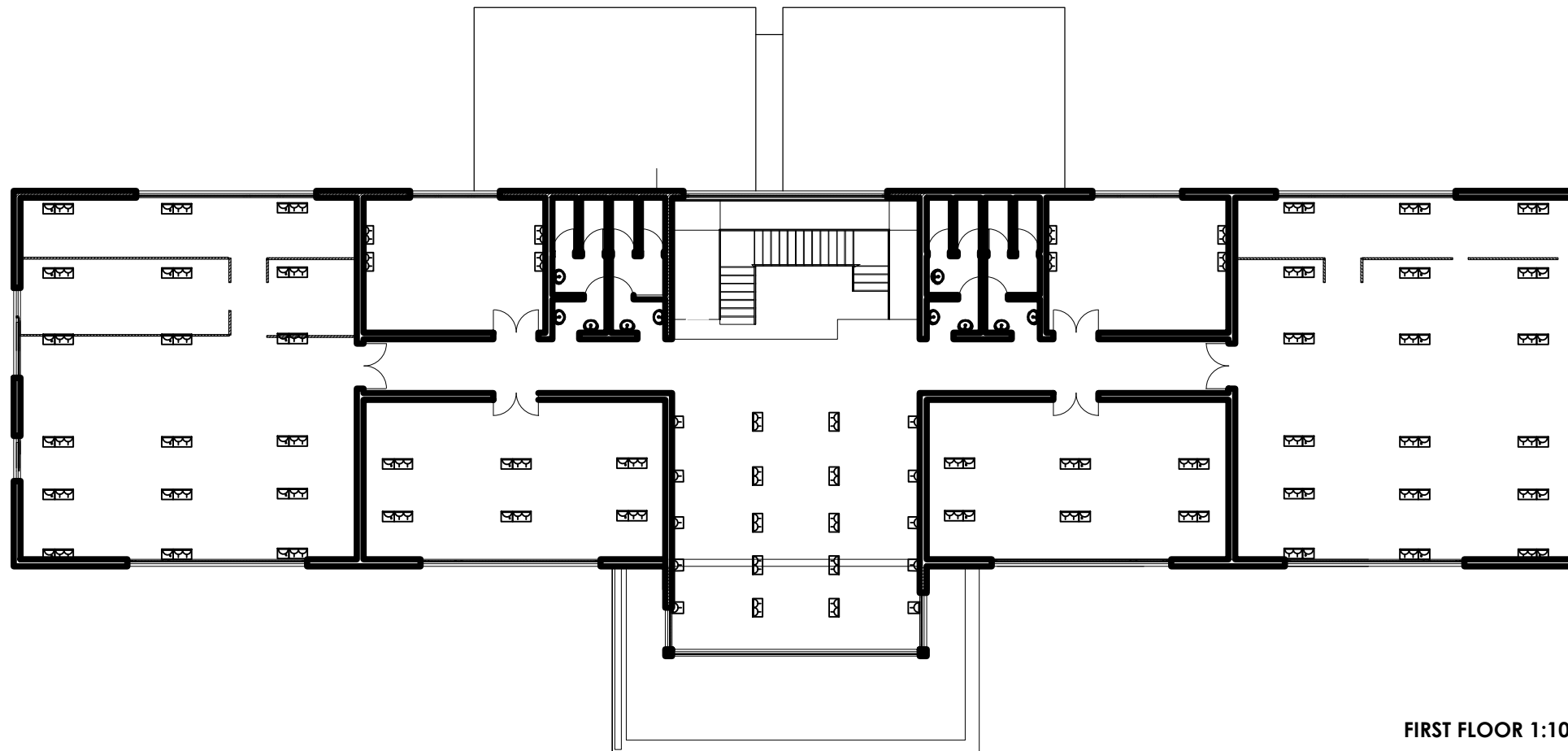
FIRST FLOOR 1:100

NOTE :

PROJECT TITLE  DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  LIGHTING LAYOUT	
	DRAWN BY	IWEIBO S.E		
CLIENT	CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWINGG NO:  E05
LOCATION	APPROVED BY			
	DATE	NOVEMBER, 2021.		



PROJECT TITLE  DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  POWER OUTLET LAYOUT	
	DRAWN BY	IWEIBO S.E		
CLIENT	CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWING NO:  E06
LOCATION	APPROVED BY			
	DATE	NOVEMBER, 2021.		



FIRST FLOOR 1:100

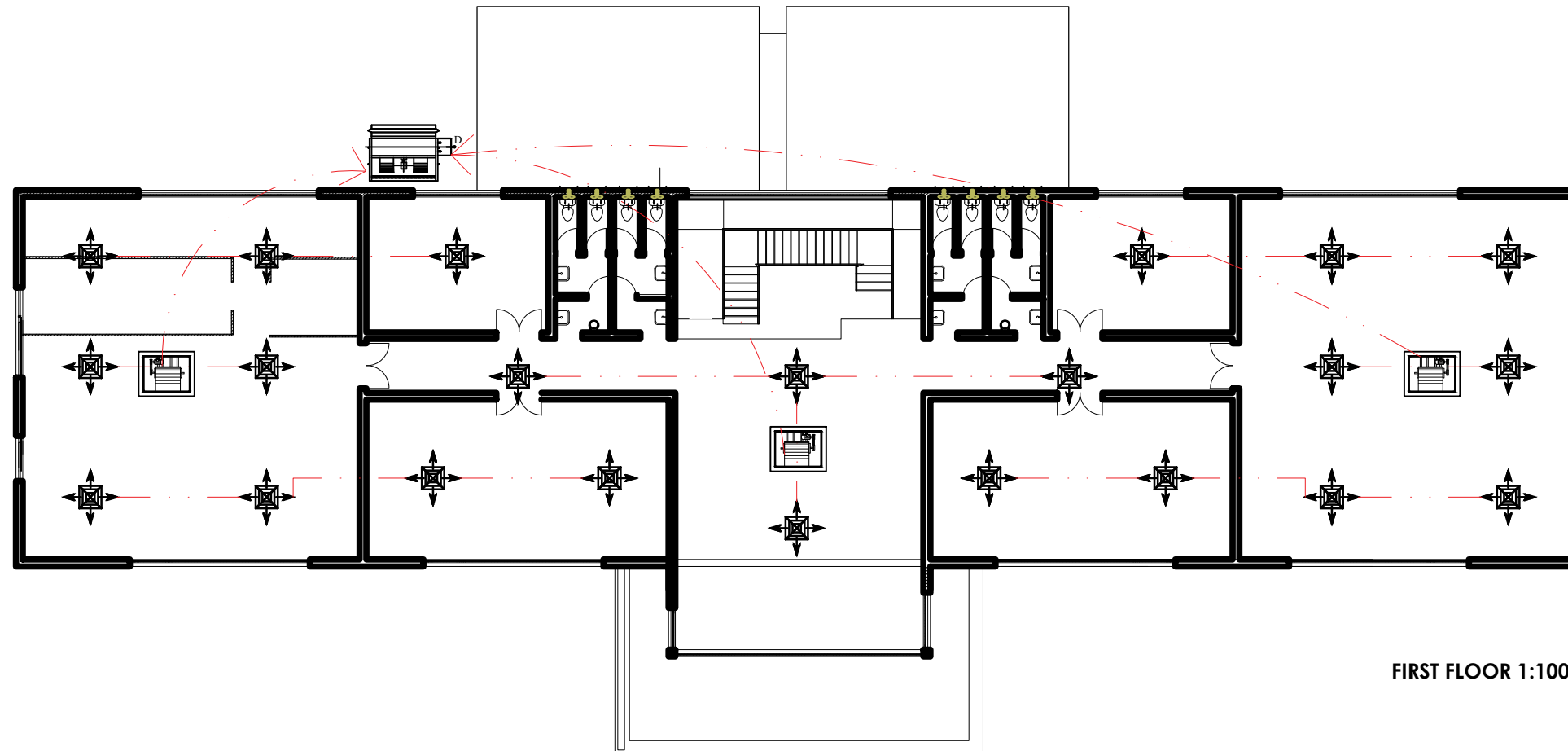
NOTE :

PROJECT TITLE	DIGITAL PARK		ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE: POWER OUTLET LAYOUT	
			DRAWN BY	IWEIBO S.E		
	CLIENT		CHECKED BY		DRAWING SCALE:	DRAWINGG NO:
LOCATION			APPROVED BY			
			DATE	NOVEMBER, 2021.	N.T.S.	E07





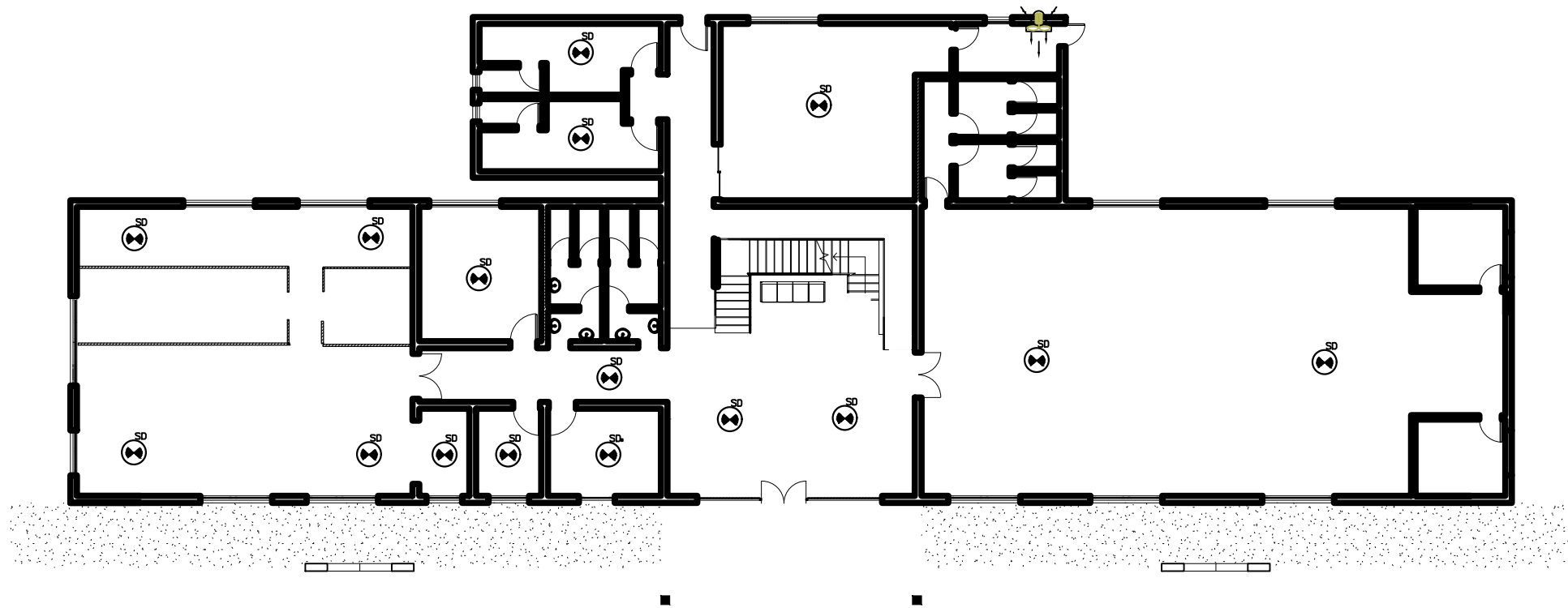
E08



FIRST FLOOR 1:100

NOTE :

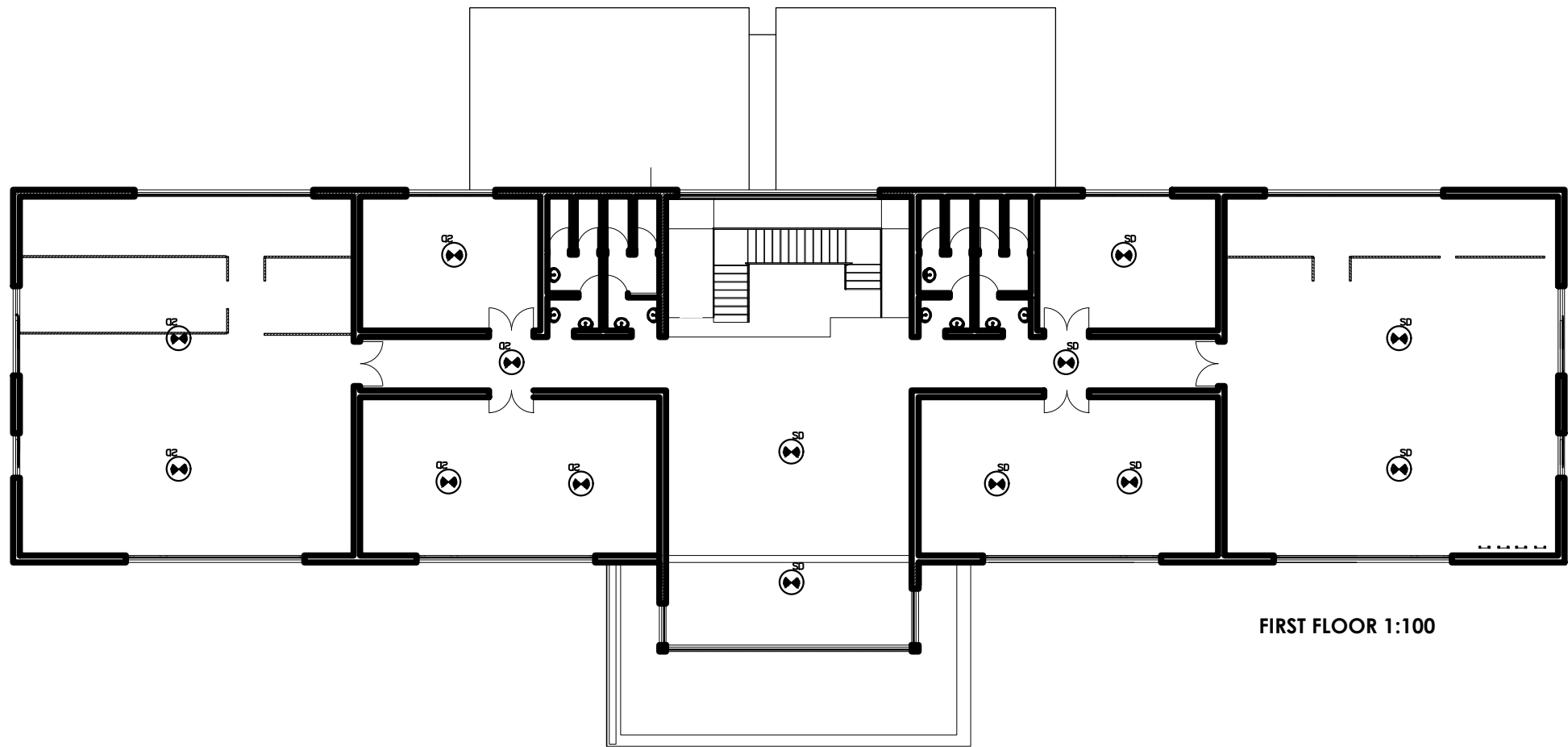
PROJECT TITLE	DIGITAL PARK		ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE: HVAC DUCT LAYOUT	
			DRAWN BY	IWEIBO S.E		
CLIENT			CHECKED BY		DRAWING SCALE:	DRAWING NO:
LOCATION			APPROVED BY		N.T.S.	E09
			DATE	NOVEMBER, 2021.		



GROUND FLOOR 1:100

NOTE :

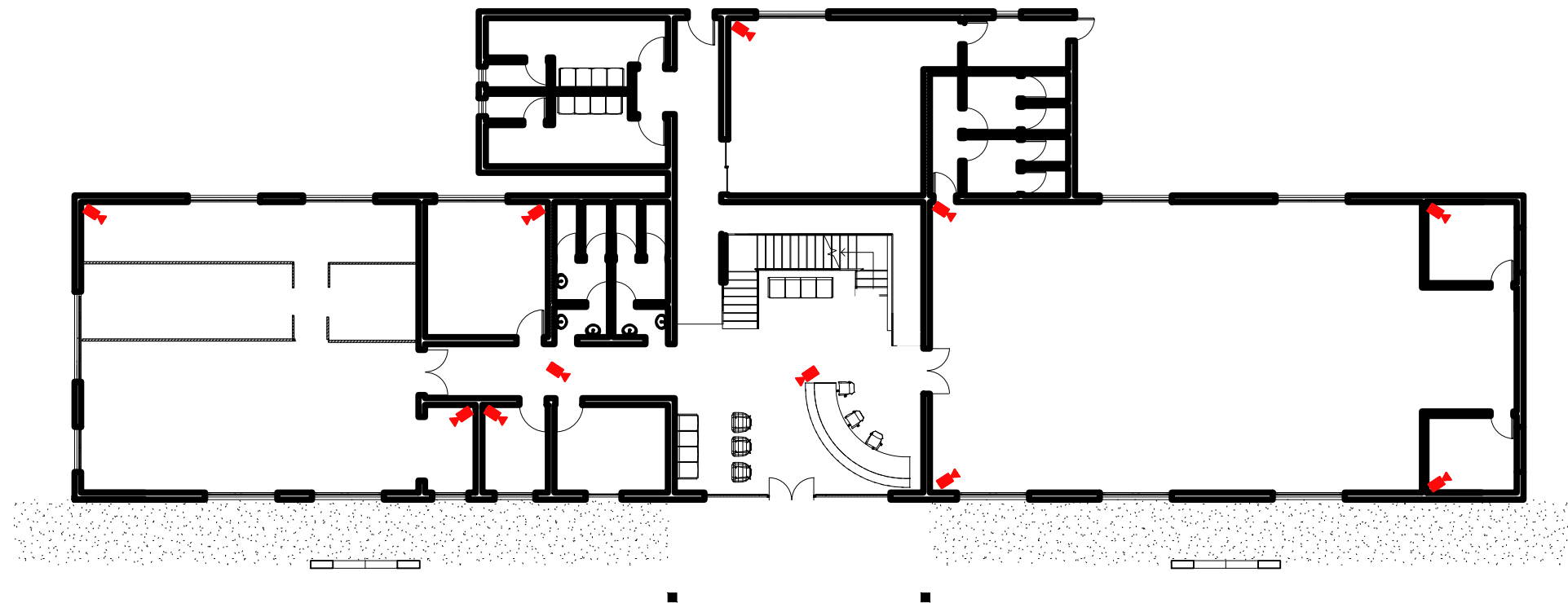
PROJECT TITLE	DIGITAL PARK		ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:	
			DRAWN BY	IWEIBO S.E	SMOKE DETECTOR LAYOUT	
			CHECKED BY		DRAWING SCALE:	DRAWING NO:
CLIENT			APPROVED BY			
LOCATION			DATE	NOVEMBER, 2021.	N.T.S.	E10



FIRST FLOOR 1:100

NOTE :

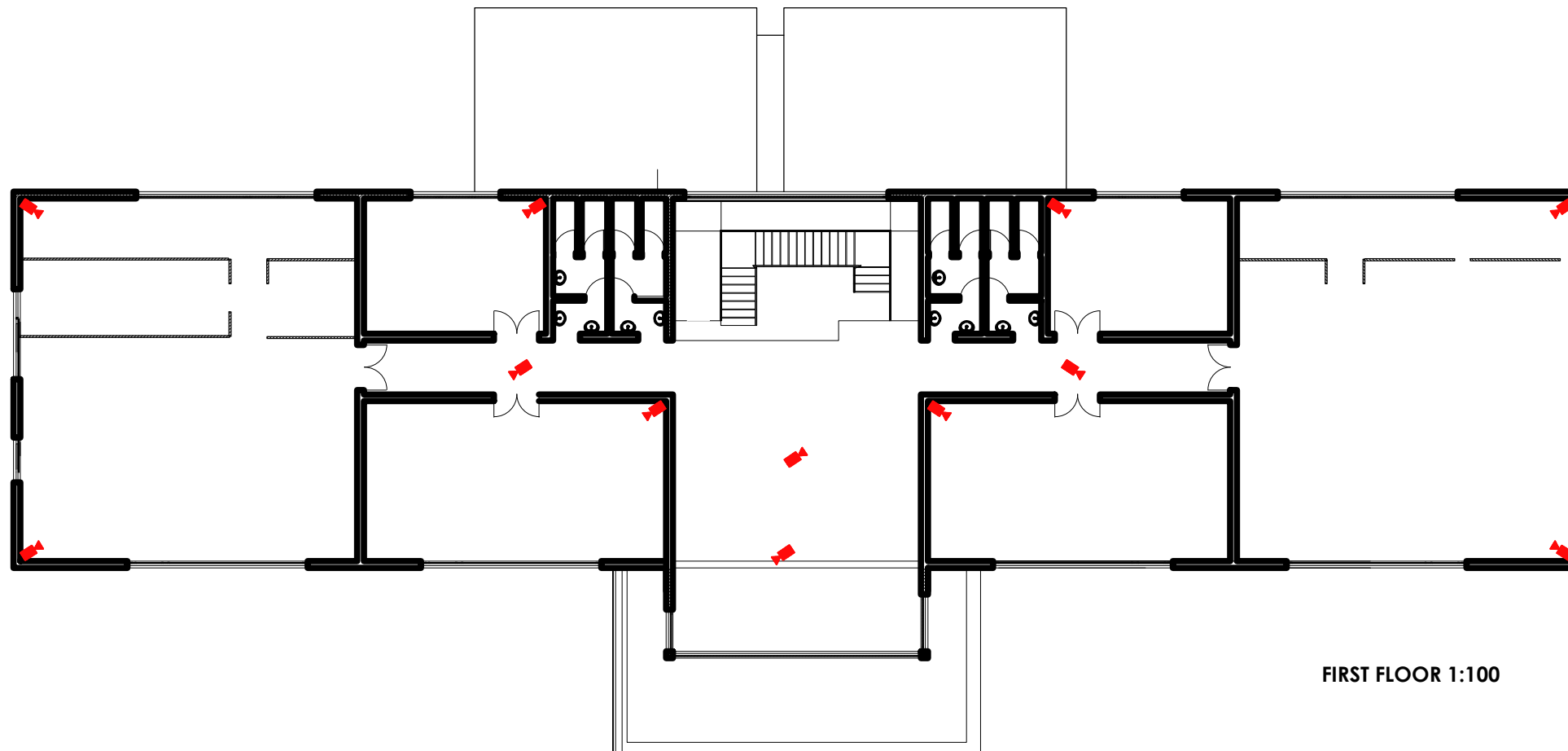
PROJECT TITLE  DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  SMOKE DETECTOR LAYOUT	
	DRAWN BY	IWEIBO S.E		
CLIENT	CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWINNG NO:  E11
LOCATION	APPROVED BY			
	DATE	NOVEMBER, 2021.		



GROUND FLOOR 1:100

NOTE :

PROJECT TITLE	DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:	
				CCTV UNIT LAYOUT	
		DRAWN BY	IWEIBO S.E		
CLIENT		CHECKED BY		DRAWING SCALE:	DRAWINNG NO:
LOCATION		APPROVED BY			
		DATE	NOVEMBER, 2021.		
				N.T.S.	E12



FIRST FLOOR 1:100

NOTE :

PROJECT TITLE	DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  CCTV UNIT LAYOUT	
		DRAWN BY	IWEIBO S.E		
CLIENT		CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWING NO:  E13
LOCATION		APPROVED BY			
		DATE	NOVEMBER, 2021.		

	DB 1	DB 2	DB 3	DB 4	DB 5	DB 6	DB 7
TOTAL LOAD (W)	52800	10033	22433	9866	28100	28667	28100
KVA RATING	66.00	12.54	28.04	12.32	35.12	35.83	35.12
LOAD CURRENT (A)	240	50	33.60	14.78	141.36	143.28	141.36

TOTAL LOAD (W): 178219

KVA RATING: 222.78

LOAD CURRENT (A): 742.58

MCB RATING: 1000A

LOAD CABLE 630mm2 PVC COPPER CABLE + 350mm2 EARTH  
CABLE

NOTE :	PROJECT TITLE	DIGITAL PARK		ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE: DISTRIBUTION BOARD SUMMARY	
				DRAWN BY	IWEIBO S.E		
	CLIENT			CHECKED BY		DRAWING SCALE:	DRAWING NO:
	LOCATION			APPROVED BY			
				DATE	NOVEMBER, 2021.	N.T.S.	E14

DB REFERENCE CODE: DB-1  
LOCATION OF DB: GROUND FLOOR  
  
DB INCOMING DEVICE (MCCB): 100A

DB REFERENCE CODE: DB-2  
LOCATION OF DB: GROUND FLOOR  
  
DB INCOMING DEVICE (MCCB): 100A

CCT CODE	MCB RATING (A)	CABLE SIZE (mm2)	LOAD PER POINT (W)	DIVERSITY FACTOR	LOAD PER PHASE			DESCRIPTION	LOAD PER PHASE			DIVERSITY FACTOR	LOAD PER POINT (W)	CABLE SIZE (mm2)	MCB RATING (A)	CCT CODE
					RED	YELLOW	BLUE		RED	YELLOW	BLUE					
GF-A1	6A	1.5	200	1.0	200			LIGHTING POINT	500			1.0	500	1.5	6A	GF-B1
GF-A2	6A	1.5	1000	1.0		1000		LIGHTING POINT		600		1.0	600	1.5	6A	GF-B2
GF-A3	6A	1.5	400	1.0			400	SMOKE DETECTOR			200	1.0	200	1.5	6A	GF-B3
GF-A4	200A	4.0	66000	0.67	44000			13A/15A FLOOR SOCKET	5000			0.67	5000	4.0	15A	GF-B4
GF-A5	20A	2.5	5200	1.0		5200		DIFFUSER		5200		1.0	5200	2.5	20A	GF-B5
GF-A6	10A	2.5	2000	1.0			2000	SUPPLY FAN			2000	1.0	2000	2.5	10A	GF-B6
								SPARE								
								SPARE								
								SPARE								

NOTE :	PROJECT TITLE	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:	
		DRAWN BY	IWEIBO S.E	LOAD SUMMARY AND RATINGS FOR DISTRIBUTION BOARDS FOR G/FLOOR	
	CLIENT	CHECKED BY		DRAWING SCALE:	DRAWINNG NO:
	LOCATION	APPROVED BY			
		DATE	NOVEMBER, 2021.	N.T.S.	E15



DB REFERENCE CODE: DB-3  
LOCATION OF DB: GROUND FLOOR  
  
DB INCOMING DEVICE (MCCB): 100A

DB REFERENCE CODE: DB-4  
LOCATION OF DB: GROUND FLOOR  
  
DB INCOMING DEVICE (MCCB): 100A

CCT CODE	MCB RATING (A)	CABLE SIZE (mm2)	LOAD PER POINT (W)	DIVERSITY FACTOR	LOAD PER PHASE			DESCRIPTION	LOAD PER PHASE			DIVERSITY FACTOR	LOAD PER POINT (W)	CABLE SIZE (mm2)	MCB RATING (A)	CCT CODE
					RED	YELLOW	BLUE		RED	YELLOW	BLUE					
GF-C1	6A	1.5	1000	1.0	1000			LIGHTING POINT	800			1.0	800	1.5	6A	GF-D1
GF-C2	6A	1.5	900	1.0		900		LIGHTING POINT		800		1.0	800	1.5	6A	GF-D2
GF-C3	60A	4.0	20000	0.67			13333	13A/15A FLOOR SOCKET			2666	0.67	4000	2.5	15A	GF-D3
GF-C4	30A	1.5	700	1.0	700			SMOKE DETECTOR	300			1.0	300	1.5	6A	GF-D4
GF-C5	20A	2.5	4500	1.0		4500		DIFFUSER		1300		1.0	1300	2.5	6A	GF-D5
GF-C6	10A	2.5	2000	1.0			2000	SUPPLY FAN			2000	1.0	2000	2.5	10A	GF-D6
								SPARE								GF-D7
								SPARE								
								SPARE								

NOTE :

PROJECT TITLE	DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  LOAD SUMMARY AND RATINGS FOR DISTRIBUTION BOARDS FOR G/FLOOR	
		DRAWN BY	IWEIBO S.E		
CLIENT		CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWINGG NO:  E16
LOCATION		APPROVED BY			
		DATE	NOVEMBER, 2021.		

DB REFERENCE CODE: DB-5  
LOCATION OF DB: FIRST FLOOR  
DB INCOMING DEVICE (MCCB): 100A

DB REFERENCE CODE: DB-7  
LOCATION OF DB: FIRST FLOOR  
DB INCOMING DEVICE (MCCB): 100A

CCT CODE	MCB RATING (A)	CABLE SIZE (mm2)	LOAD PER POINT (W)	DIVERSITY FACTOR	LOAD PER PHASE			DESCRIPTION	LOAD PER PHASE			DIVERSITY FACTOR	LOAD PER POINT (W)	CABLE SIZE (mm2)	MCB RATING (A)	CCT CODE
					RED	YELLOW	BLUE		RED	YELLOW	BLUE					
FF-A1	6A	1.5	1000	1.0	1000			LIGHTING POINT	1000			1.0	1000	1.5	6A	FF-B1
FF-A2	6A	1.5	900	1.0		900		LIGHTING POINT		900		1.0	900	1.5	6A	FF-B2
FF-A3	50A	4.0	18000	0.67			12000	13A/15A FLOOR SOCKET			12000	0.67	18000	4.0	50A	FF-B3
FF-A4	6A	1.5	500	1.0	500			SMOKE DETECTOR	500			1.0	500	1.5	6A	FF-B4
FF-A5	50A	2.5	11700	1.0		11700		DIFFUSER		11700		1.0	11700	2.5	50A	FF-B5
FF-A6	10A	2.5	2000	1.0			2000	SUPPLY FAN			2000	1.0	2000	2.5	10A	FF-B6
								SPARE								
								SPARE								
								SPARE								

NOTE :

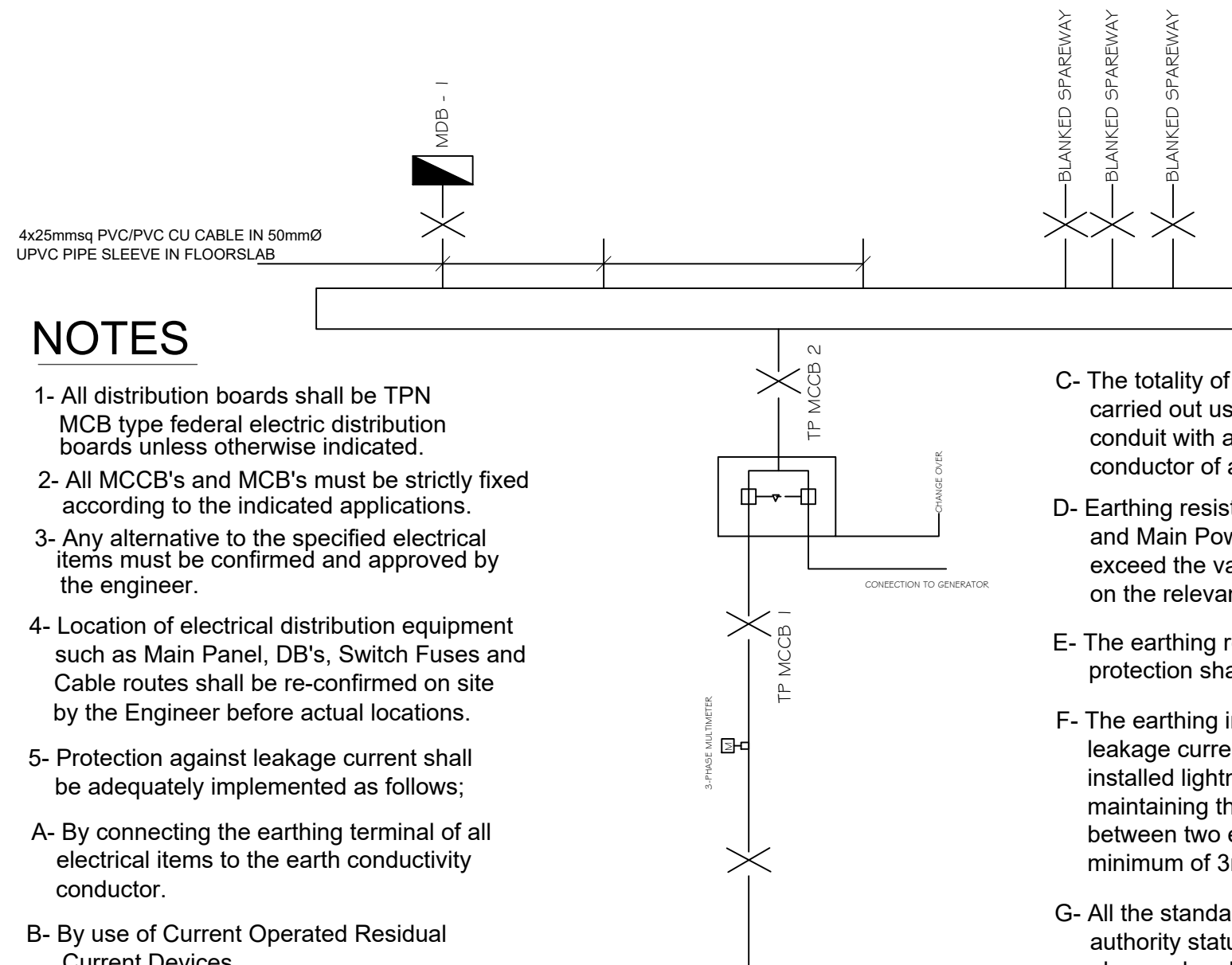
PROJECT TITLE  DIGITAL PARK		ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  LOAD SUMMARY AND RATINGS FOR DISTRIBUTION BOARDS FOR F/FLOOR	
		DRAWN BY	IWEIBO S.E		
CLIENT		CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWINNG NO:  E17
LOCATION		APPROVED BY			
		DATE	NOVEMBER, 2021.		

DB REFERENCE CODE: DB-6  
LOCATION OF DB: FIRST FLOOR  
DB INCOMING DEVICE (MCCB): 100A

CCT CODE	MCB RATING (A)	CABLE SIZE (mm2)	LOAD PER POINT (W)	DIVERSITY FACTOR	LOAD PER PHASE			DESCRIPTION
					RED	YELLOW	BLUE	
FF-C1	6A	1.5	600	1.0	600			LIGHTING POINT
FF-C2	6A	4.0	25000	0.67		16666		13A/15A FLOOR SOCKET
FF-C3	6A	1.5	400	1.0			400	SMOKE DETECTOR
FF-C4	20A	2.5	5200	1.0	5200			DIFFUSER
FF-C5	10A	2.5	2000	1.0		2000		SUPPLY FAN
								SPARE
								SPARE
								SPARE
								SPARE

NOTE :

PROJECT TITLE  DIGITAL PARK		ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  LOAD SUMMARY AND RATINGS FOR DISTRIBUTION BOARDS FOR F/FLOOR	
		DRAWN BY	IWEIBO S.E		
CLIENT		CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWINGG NO:  E18
LOCATION		APPROVED BY			
		DATE	NOVEMBER, 2021.		



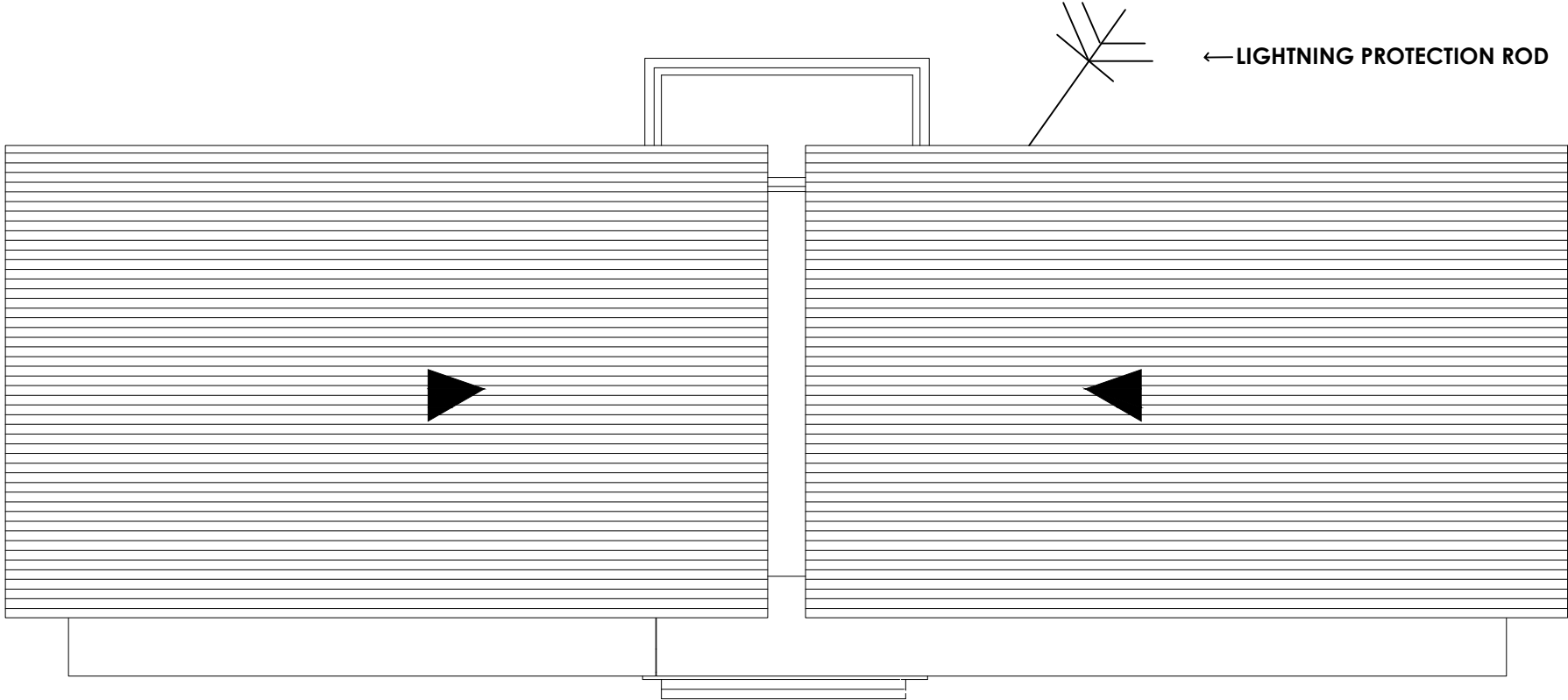
## NOTES

- 1- All distribution boards shall be TPN MCB type federal electric distribution boards unless otherwise indicated.
- 2- All MCCB's and MCB's must be strictly fixed according to the indicated applications.
- 3- Any alternative to the specified electrical items must be confirmed and approved by the engineer.
- 4- Location of electrical distribution equipment such as Main Panel, DB's, Switch Fuses and Cable routes shall be re-confirmed on site by the Engineer before actual locations.
- 5- Protection against leakage current shall be adequately implemented as follows;
  - A- By connecting the earthing terminal of all electrical items to the earth conductivity conductor.
  - B- By use of Current Operated Residual Current Devices.

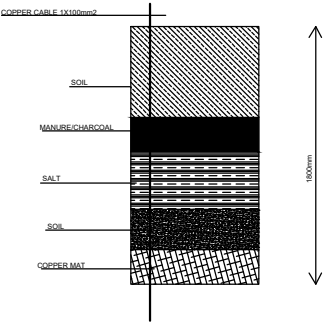
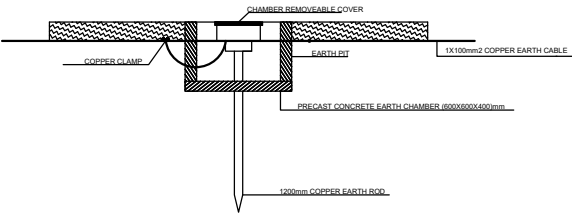
- C- The totality of the installation shall be carried out using a high grade PVC conduit with additional earth continuity conductor of adequate size.
- D- Earthing resistance at the Generating Set and Main Power entry point, shall not exceed the value required and indicated on the relevant drawings.
- E- The earthing resistance for the lightning protection shall not exceed 1.0 Ohms.
- F- The earthing installation against earth leakage current shall be properly installed lightning protection systems by maintaining the necessary distance between two earthing system i.e. A minimum of 3m in ground.
- G- All the standard requirements and local authority statutory regulations must be observed and compelled with.

NOTE :

PROJECT TITLE	DIGITAL PARK		ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE: DISTRIBUTION RETICULATION	
			DRAWN BY	IWEIBO S.E		
	CLIENT		CHECKED BY		DRAWING SCALE:	DRAWING NO:
LOCATION			APPROVED BY			
			DATE	NOVEMBER, 2021.	N.T.S.	E19

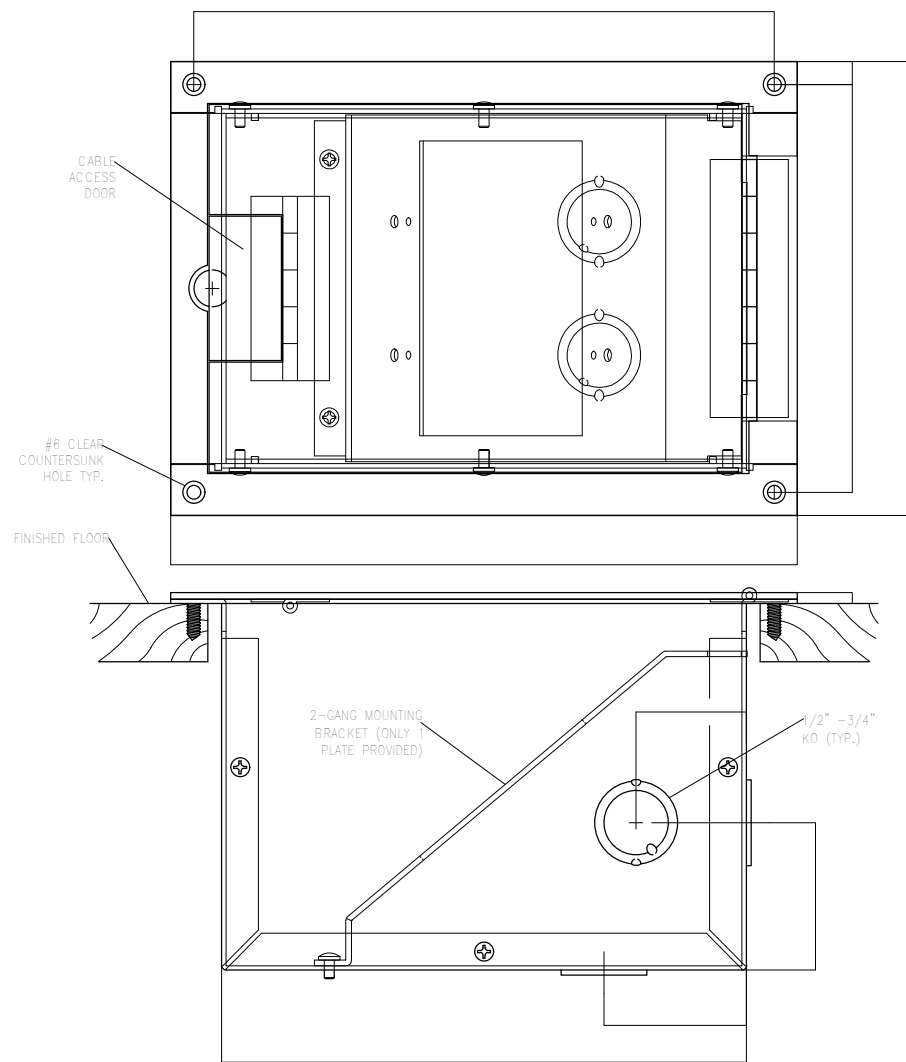


ROOF ELEVATION

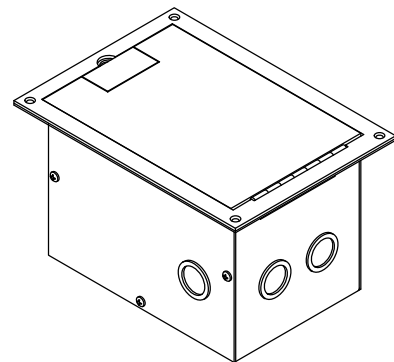


NOTE :

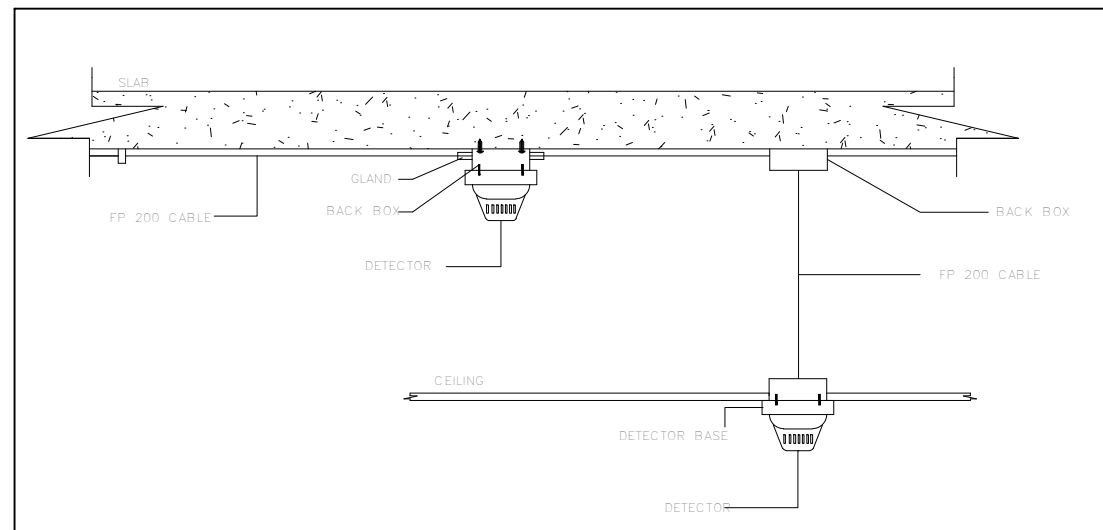
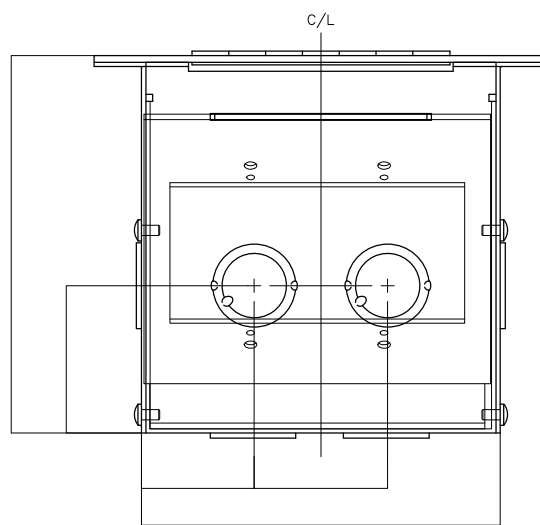
PROJECT TITLE	DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  LIGHTNING PROTECTION DESIGN	
		DRAWN BY	IWEIBO S.E		
CLIENT		CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWING NO:  E20
LOCATION		APPROVED BY			
		DATE	NOVEMBER, 2021.		



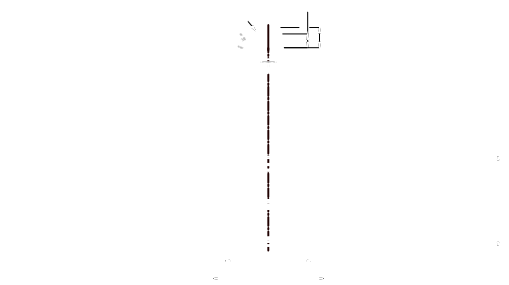
FLOOR SOCKET DETAILS



BOX IS SYMMETRICAL ABOUT THE C/L



SPRINKLER DETAILS



CCTV CAMERA ELEVATIONS

NOTE :

PROJECT TITLE	DIGITAL PARK	ARCHITECT	OLADIPUPO C.O.	DRAWING TITLE:  APPLIANCE/FIXTURE DETAILS	
		DRAWN BY	IWEIBO S.E		
CLIENT		CHECKED BY		DRAWING SCALE:  N.T.S.	DRAWING NO:  E21
		APPROVED BY			
LOCATION		DATE	NOVEMBER, 2021.		