



SYMBOL	DESCRIPTION	IP	High cm
	SINGLE SWITCHED General Socket	20	In Ceiling
	SINGLE SWITCHED Special Socket	65	120
	SINGLE SWITCHED General Socket	20	40
	TWIN SWITCHED General Socket	20	120
	SINGLE SWITCHED General Socket	65	40
	TWIN SWITCHED General Socket	65	120
	SINGLE SWITCHED General Socket	65	120
	TWIN SWITCHED General Socket	65	40
	TWIN SWITCHED General Socket	65	120
	TWIN SWITCHED General Socket	65	FLOOR BOX

SYMBOL	DESCRIPTION
	PIPE Underground pipe for electrical supply
	PIPE Pipe to ceiling for electrical supply of the projector
	PIPE Pipe to ceiling for projector data (cat 6 ,HDMI)

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
SOCKETS

Floor:
BASEMENT FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION	IP	High cm
	SINGLE SWITCHED General Socket	20	In Ceiling
	SINGLE SWITCHED Special Socket	65	120
	SINGLE SWITCHED General Socket	20	40
	TWIN SWITCHED General Socket	20	120
	SINGLE SWITCHED General Socket	65	40
	TWIN SWITCHED General Socket	65	120
	SINGLE SWITCHED General Socket	65	120
	TWIN SWITCHED General Socket	65	40
	TWIN SWITCHED General Socket	65	120
	TWIN SWITCHED General Socket	65	FLOOR BOX

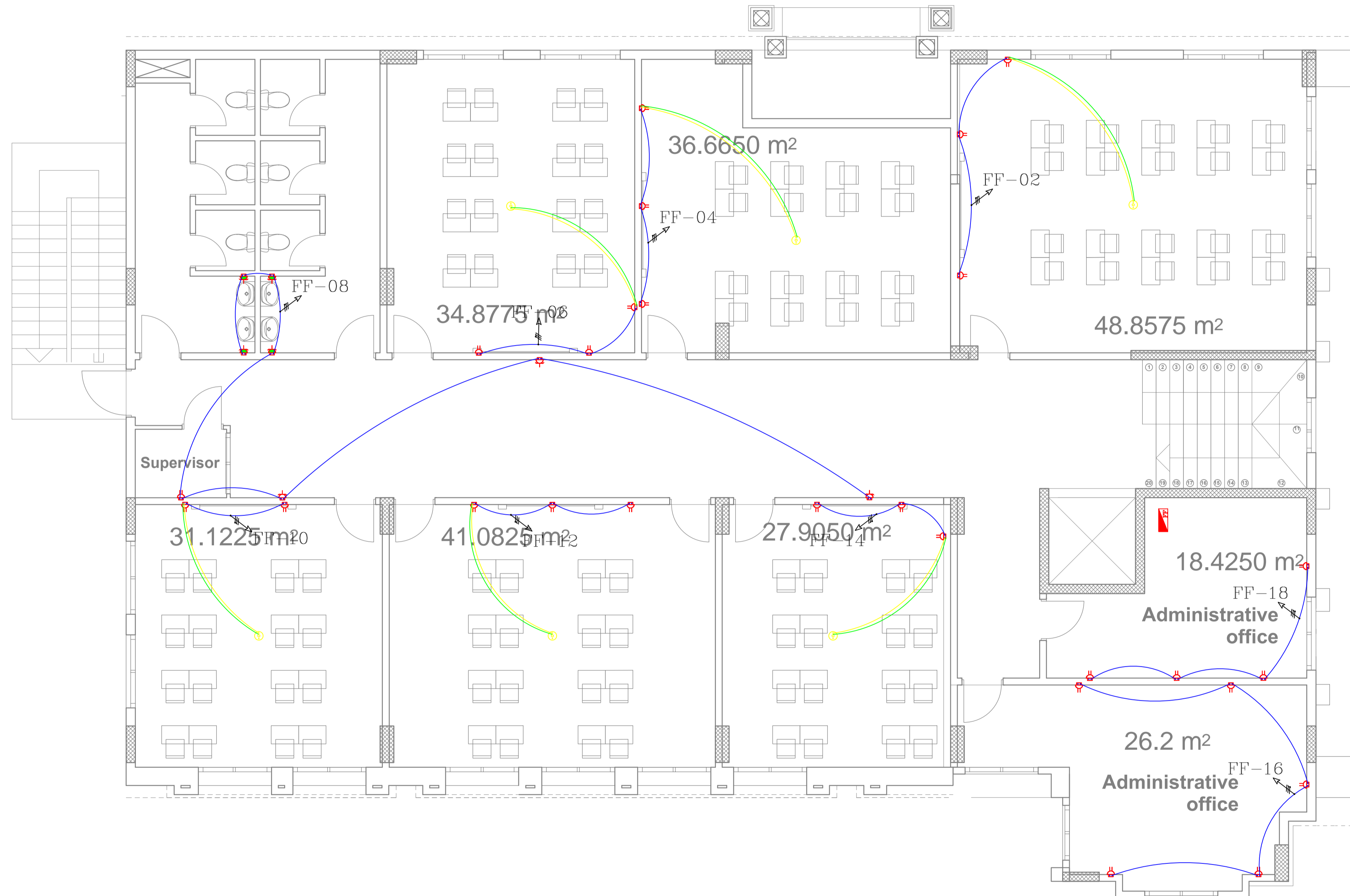
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	PIPE Underground pipe for electrical supply
	PIPE Pipe to ceiling for electrical supply of the projector
	PIPE Pipe to ceiling for projector data (cat 6 ,HDMI)

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
SOCKETS

Floor:
GROUND FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION	IP	High cm
☺	SINGLE SWITCHED General Socket	20	In Ceiling
⚡	SINGLE SWITCHED Special Socket	65	120
🔌	SINGLE SWITCHED General Socket	20	40
🔌	TWIN SWITCHED General Socket	20	120
🔌	SINGLE SWITCHED General Socket	65	40
🔌	TWIN SWITCHED General Socket	65	120
🔌	SINGLE SWITCHED General Socket	65	120
🔌	TWIN SWITCHED General Socket	65	40
🔌	TWIN SWITCHED General Socket	65	120
🔌	TWIN SWITCHED General Socket	65	FLOOR BOX

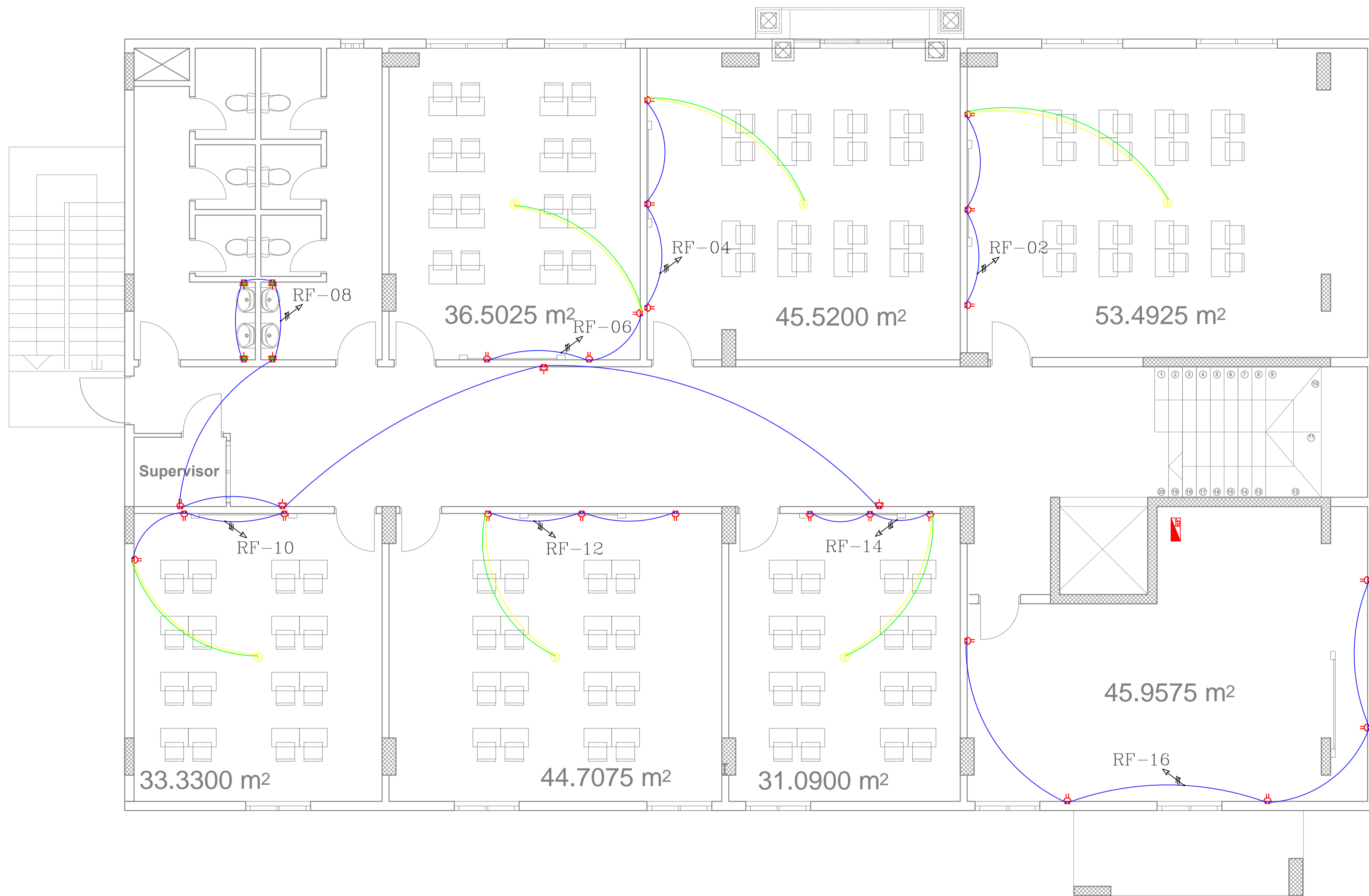
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—	PIPE Pipe to ceiling for electrical supply of the projector
—	PIPE Pipe to ceiling for projector data (cat 6 ,HDMI)

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
SOCKETS

Floor:
FIRST FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION	IP	High cm
	SINGLE SWITCHED General Socket	20	In Ceiling
	SINGLE SWITCHED Special Socket	65	120
	SINGLE SWITCHED General Socket	20	40
	TWIN SWITCHED General Socket	20	120
	SINGLE SWITCHED General Socket	65	40
	TWIN SWITCHED General Socket	65	120
	SINGLE SWITCHED General Socket	65	120
	TWIN SWITCHED General Socket	65	40
	TWIN SWITCHED General Socket	65	120
	TWIN SWITCHED General Socket	65	FLOOR BOX

SYMBOL	DESCRIPTION
	PIPE Underground pipe for electrical supply
	PIPE Pipe to ceiling for electrical supply of the projector
	PIPE Pipe to ceiling for projector data (cat 6 ,HDMI)

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
SOCKETS

Floor:
ROOF FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION	IP	High cm
	SINGLE SWITCHED General Socket	20	In Ceiling
	SINGLE SWITCHED Special Socket	65	120
	SINGLE SWITCHED General Socket	20	40
	TWIN SWITCHED General Socket	20	120
	SINGLE SWITCHED General Socket	65	40
	TWIN SWITCHED General Socket	65	120
	SINGLE SWITCHED General Socket	65	120
	TWIN SWITCHED General Socket	65	40
	TWIN SWITCHED General Socket	65	120
	TWIN SWITCHED General Socket	65	FLOOR BOX

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	PIPE Underground pipe for electrical supply
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	PIPE Pipe to ceiling for projector data (cat 6 ,HDMI)

Designed By:
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Drawing Title:
SOCKETS

Floor:
BASEMENT FLOOR

Date:
2/4/2022



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Ⓢ	SINGLE SWITCHED General Socket	20	In Ceiling
Ⓢ	SINGLE SWITCHED Special Socket	65	120
Ⓢ	SINGLE SWITCHED General Socket	20	40
Ⓢ	TWIN SWITCHED General Socket	20	120
Ⓢ	SINGLE SWITCHED General Socket	65	40
Ⓢ	TWIN SWITCHED General Socket	65	120
Ⓢ	SINGLE SWITCHED General Socket	65	120
Ⓢ	TWIN SWITCHED General Socket	65	40
Ⓢ	TWIN SWITCHED General Socket	65	120
Ⓢ	TWIN SWITCHED General Socket	65	FLOOR BOX

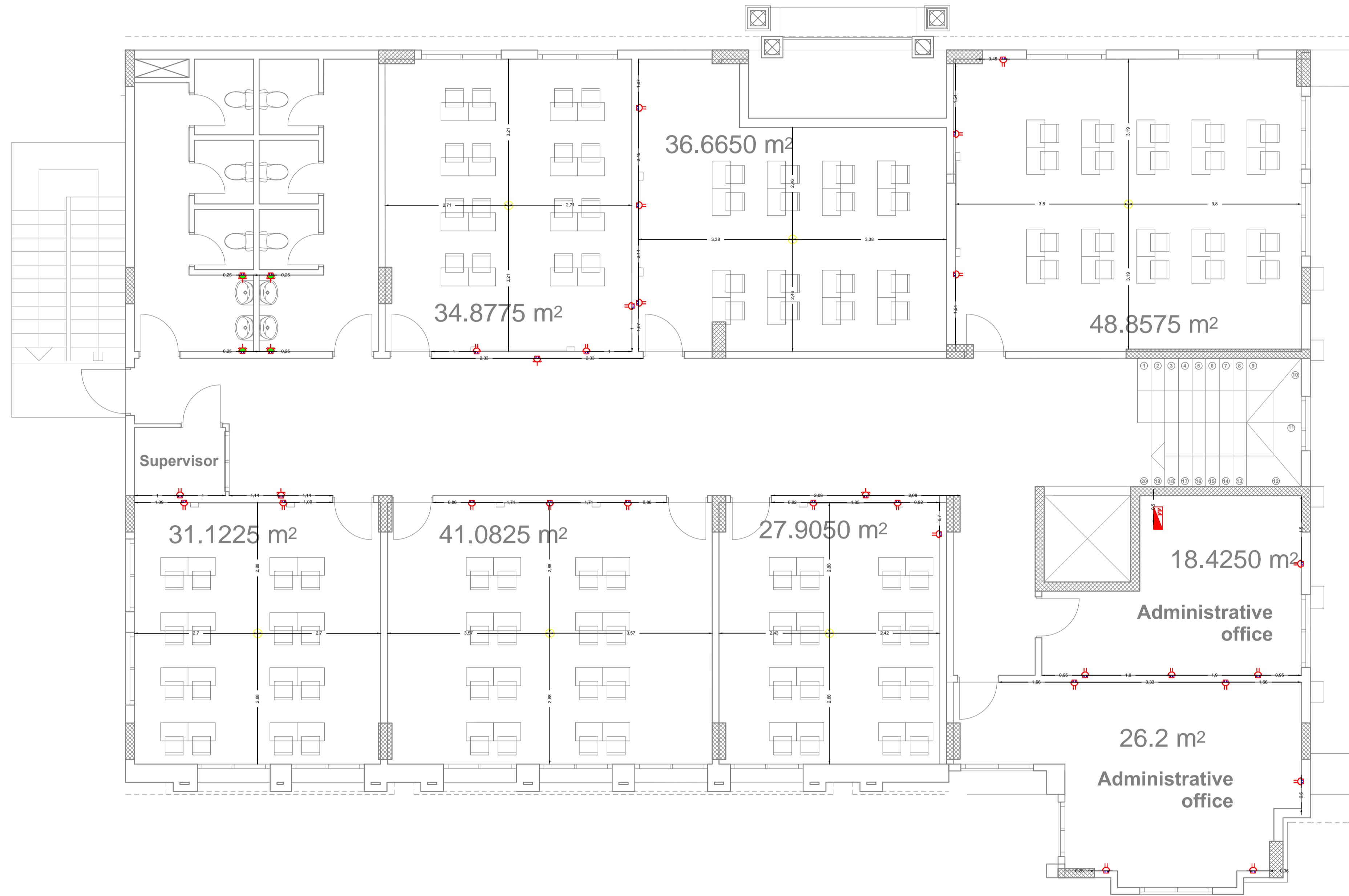
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SOCKETS

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GROUND FLOOR

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	TWIN SWITCHED General Socket	65	FLOOR BOX

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Designed By:
Eng: Mohammad Alobeid

Drawing Title:
SOCKETS

Floor:
ROOF FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION	W	LUMEN
	Light 60*60	36	3660
	Spot	12	1100
	Spot	9	1000
	Wall Light	9	750
	EMERGENCY	20	2200
	ONE GANG ONE WAY SWITCH		
	TWO GANG ONE WAY SWITCH		
	THREE GANG ONE WAY SWITCH		

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
Light System

Floor:
BASEMENT FLOOR

Date:
2/4/2022



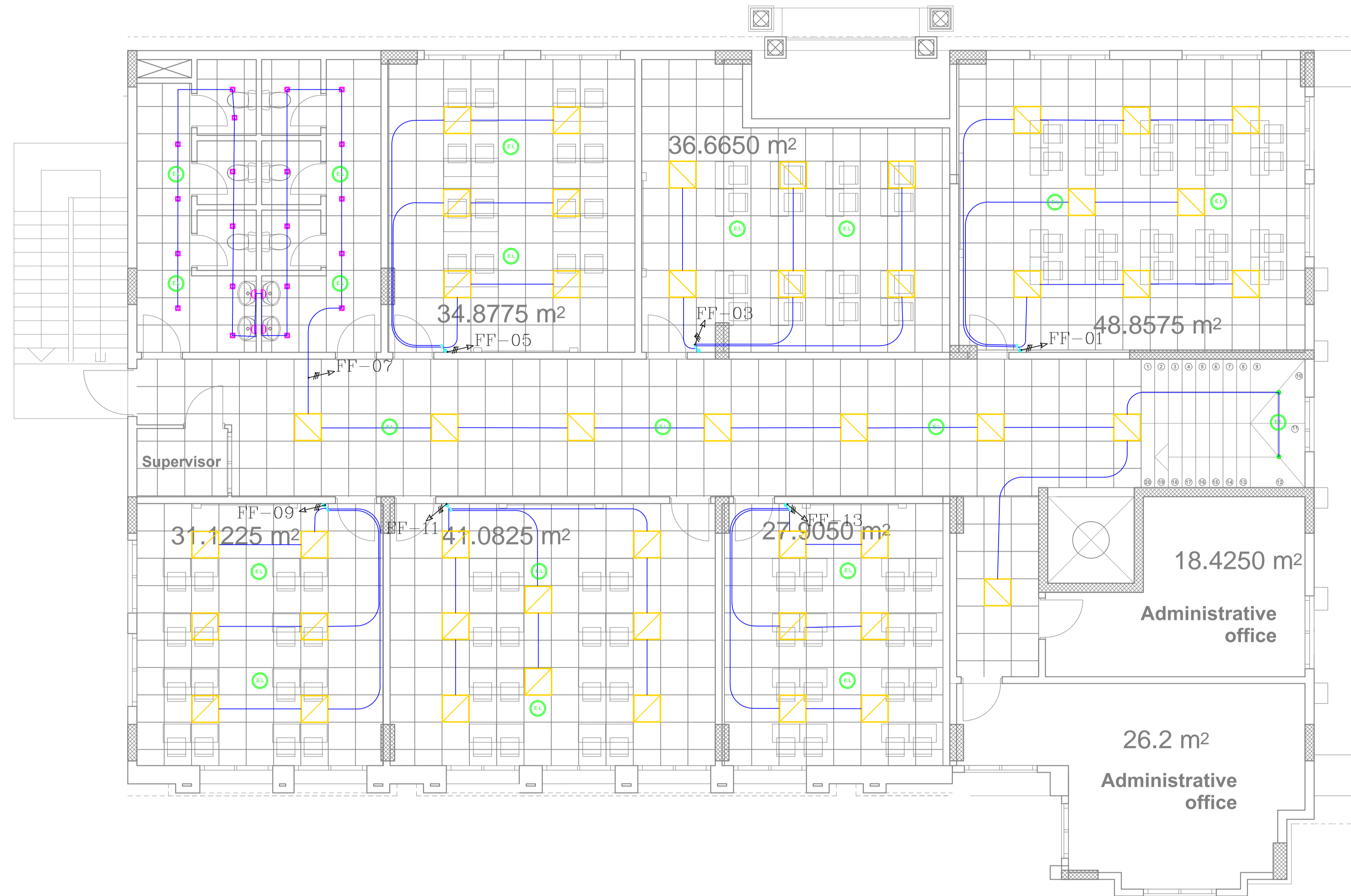
SYMBOL	DESCRIPTION	W	LUMEN
□	Light 60*60	36	3660
●	Spot	12	1100
■	Spot	9	1000
◐	Wall Light	9	750
⊕	EMERGENCY	20	2200
⚡	ONE GANG ONE WAY SWITCH		
⚡	TWO GANG ONE WAY SWITCH		
⚡	THREE GANG ONE WAY SWITCH		

Designed By:
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Drawing Title:
Light System

Floor:
GROUND FLOOR

Date:
2/4/2022



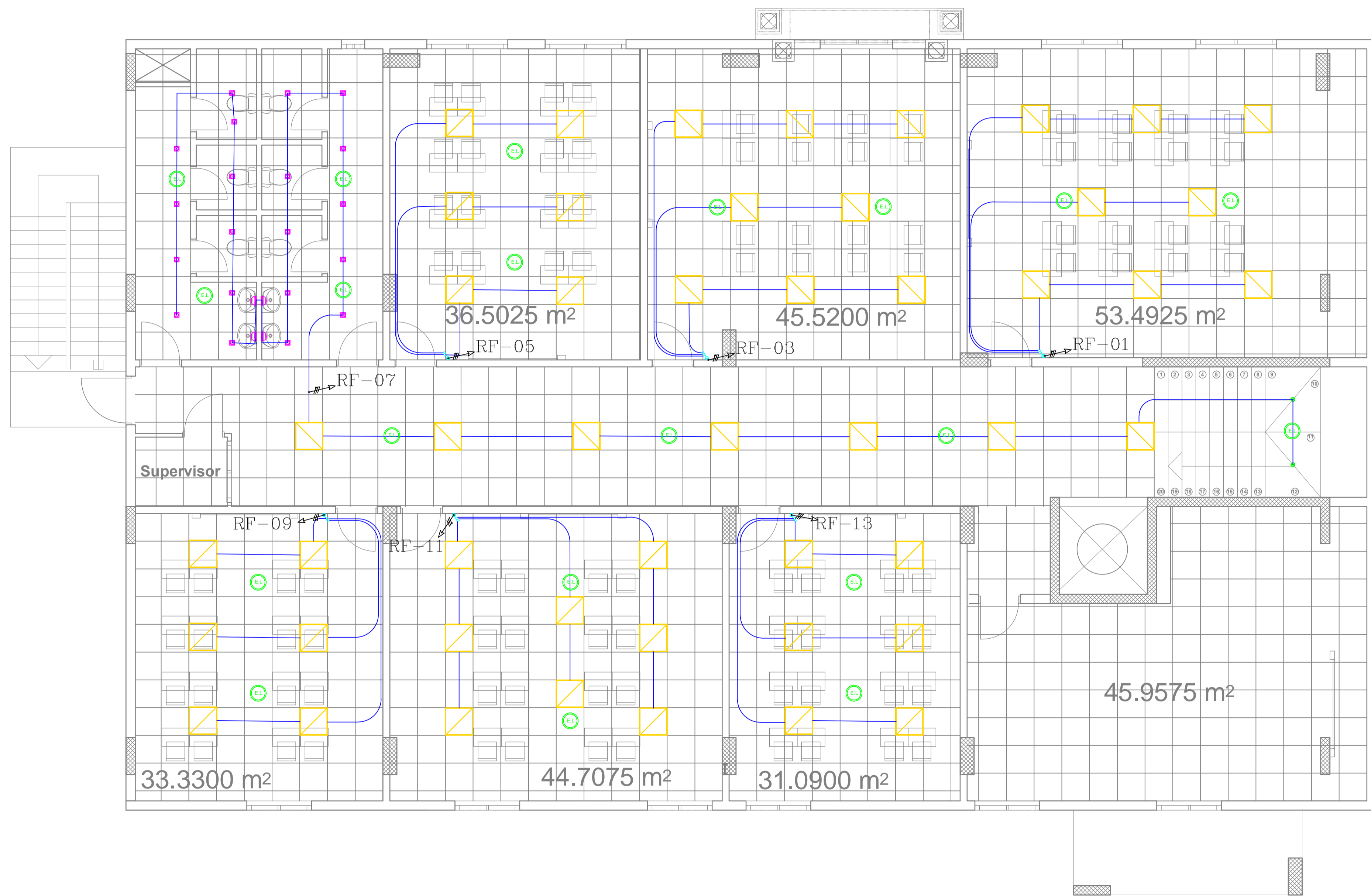
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	Light 60*60	36	3660
	Spot	12	1100
	Spot	9	1000
	Wall Light	9	750
	EMERGENCY	20	2200
	ONE GANG ONE WAY SWITCH		
	TWO GANG ONE WAY SWITCH		
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Designed By:
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Drawing Title:
Light System

Floor:
FIRST FLOOR

Date:
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SYMBOL	DESCRIPTION	W	LUMEN
□	Light 60*60	36	3660
●	Spot	12	1100
⊗	Spot	9	1000
◡	Wall Light	9	750
⊕	EMERGENCY	20	2200
⚡	ONE GANG ONE WAY SWITCH		
⚡	TWO GANG ONE WAY SWITCH		
⚡	THREE GANG ONE WAY SWITCH		

Designed By:
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Drawing Title:
Light System

Floor:
ROOF FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION	W	LUMEN
	Light 60*60	36	3660
	Spot	12	1100
	Spot	9	1000
	Wall Light	9	750
	EMERGENCY	20	2200
	ONE GANG ONE WAY SWITCH		
	TWO GANG ONE WAY SWITCH		
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Designed By:
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Drawing Title:
Light System

Floor:
BASEMENT FLOOR

Date:
2/4/2022



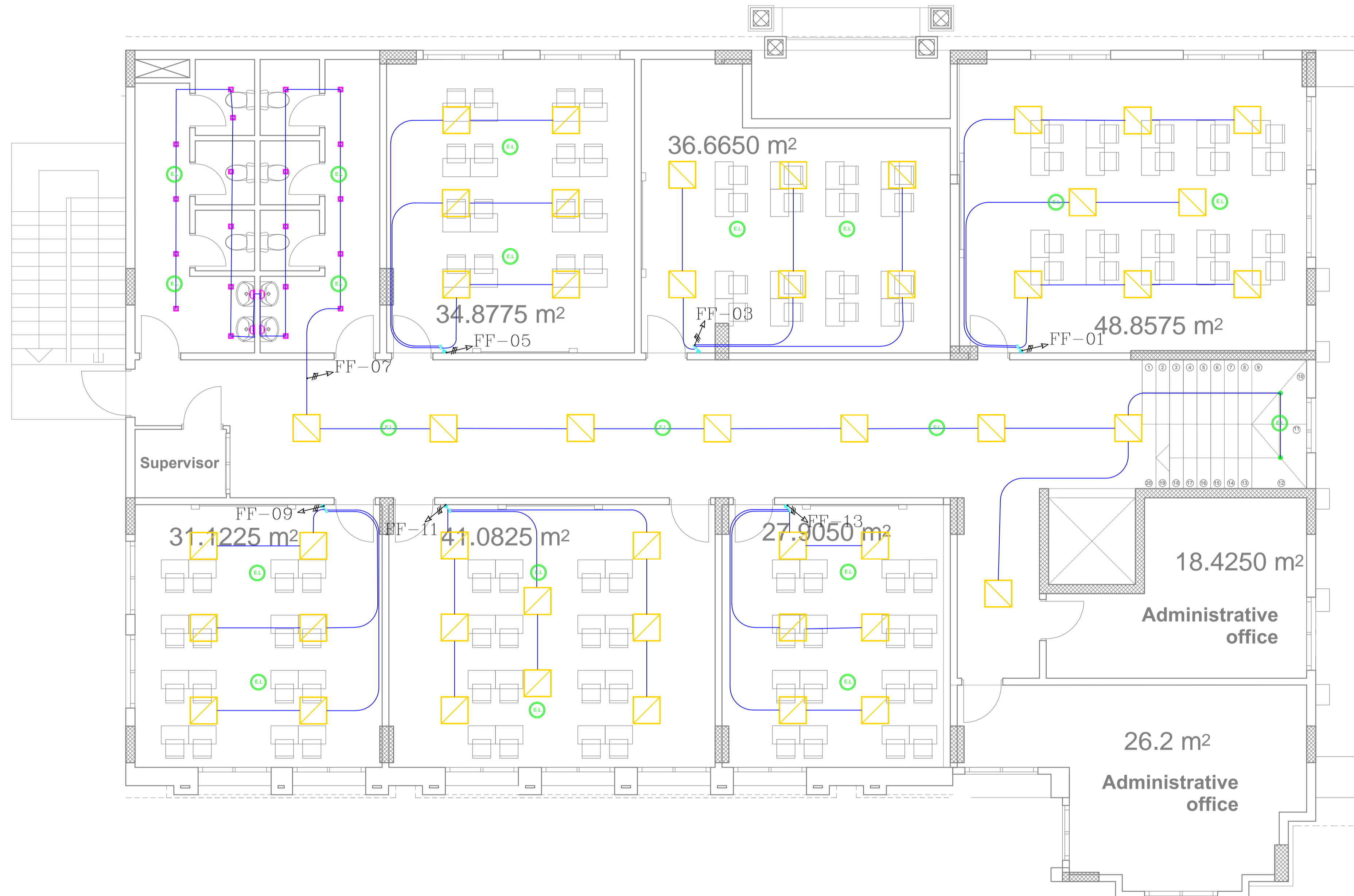
SYMBOL	DESCRIPTION
Ⓢ	Smoke Sensor for addressable system IP43
Ⓜ	Heat Sensor for addressable system IP43
🔔	Wall mounted Bell 55 db 200cm height
FACP	Main fire panel Alarm .

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
Fire Alarm

Floor:
GROUND FLOOR

Date:
2/4/2022



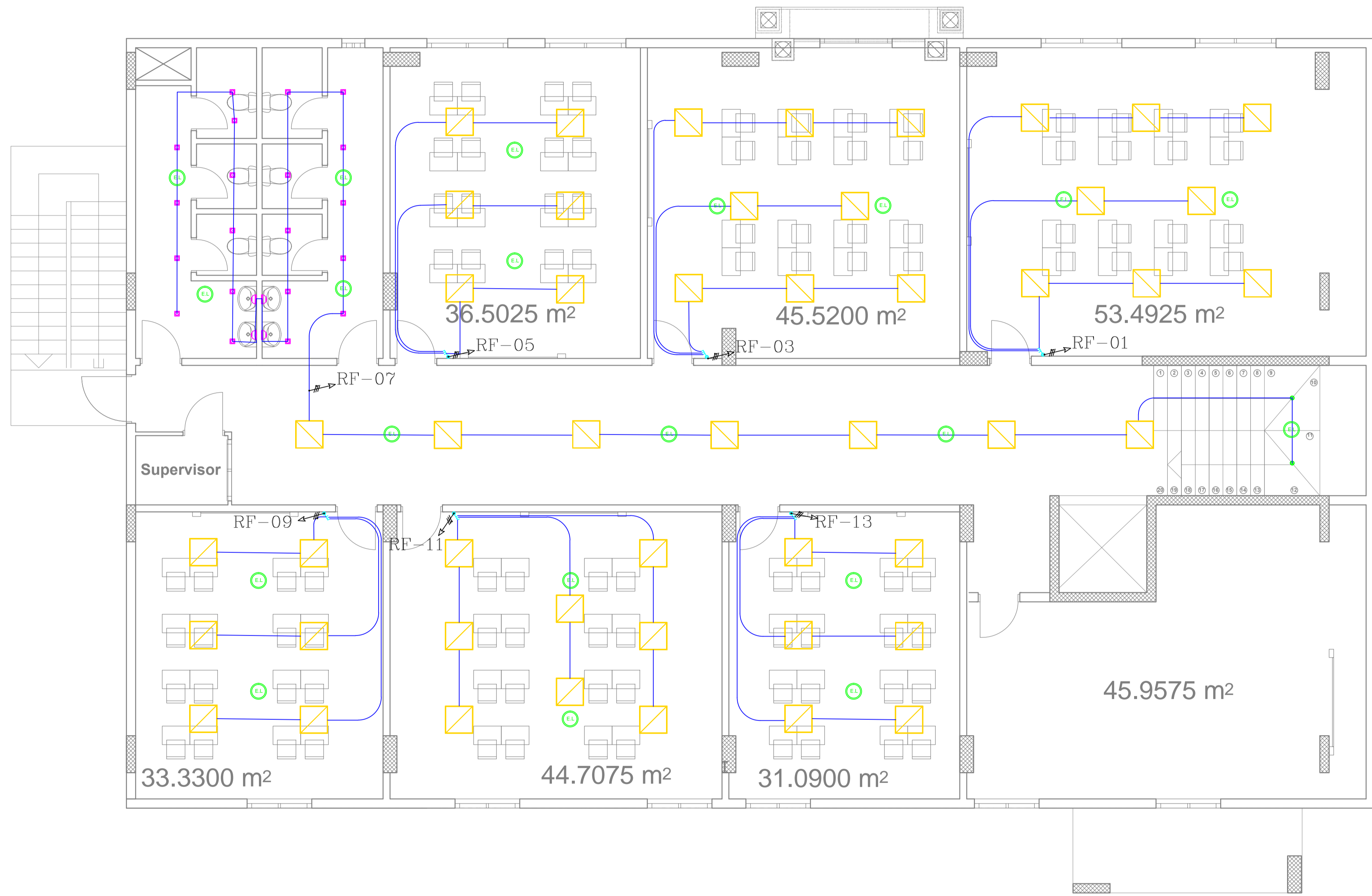
SYMBOL	DESCRIPTION	W	LUMEN
	Light 60*60	36	3660
	Spot	12	1100
	Spot	9	1000
	Wall Light	9	750
	EMERGENCY	20	2200
	ONE GANG ONE WAY SWITCH		
	TWO GANG ONE WAY SWITCH		
	THREE GANG ONE WAY SWITCH		

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
Light System

Floor:
FIRST FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION	W	LUMEN
	Light 60*60	36	3660
	Spot	12	1100
	Spot	9	1000
	Wall Light	9	750
	EMERGENCY	20	2200
	ONE GANG ONE WAY SWITCH		
	TWO GANG ONE WAY SWITCH		
	THREE GANG ONE WAY SWITCH		

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
Light System

Floor:
ROOF FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION
	Smoke Sensor for addressable system IP43
	Heat Sensor for addressable system IP43
	Wall mounted Bell 55 db 200cm height
	Main fire panel Alarm .

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
Fire Alarm

Floor:
BASEMENT FLOOR

Date:
2/4/2022



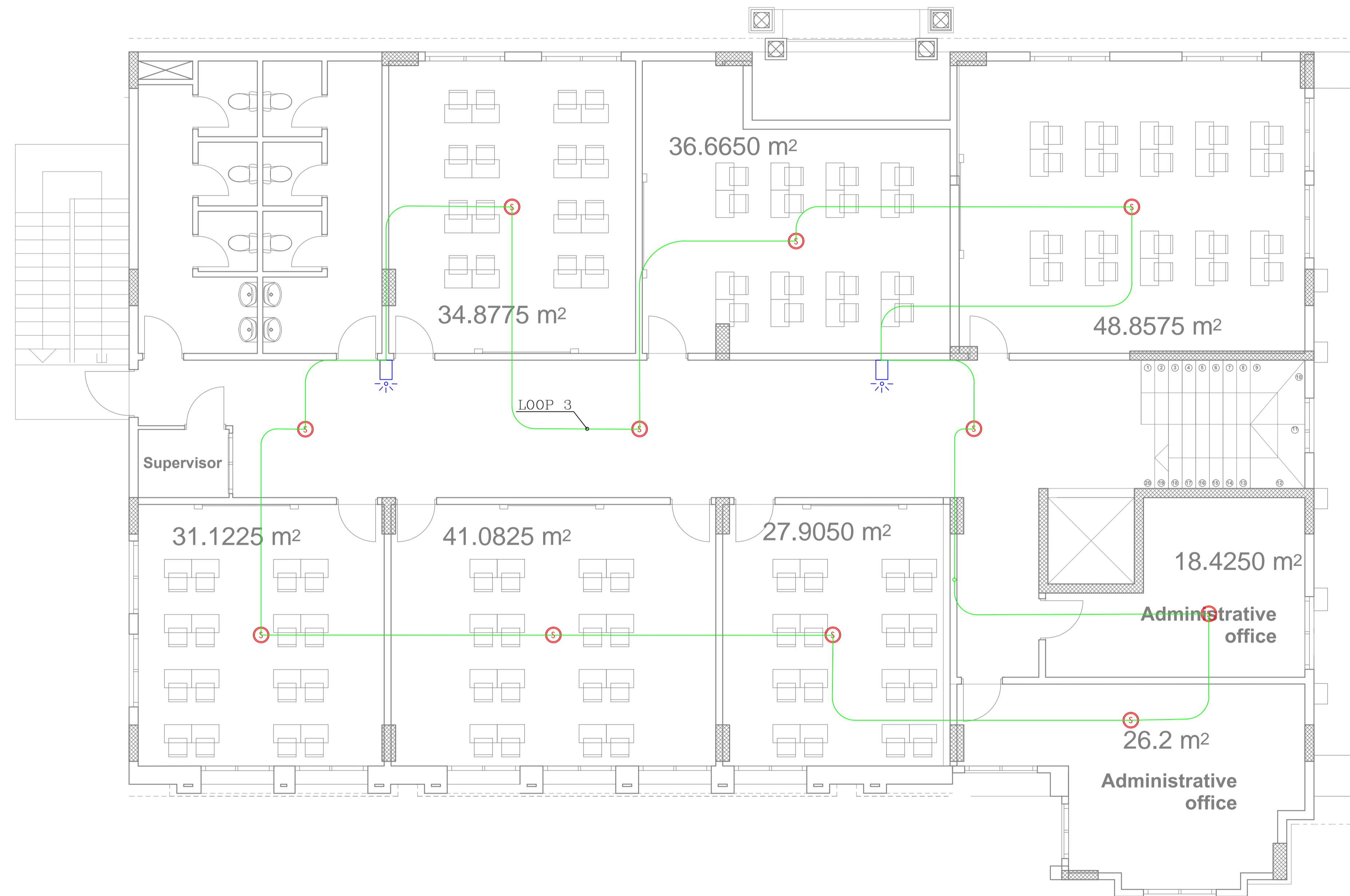
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Eng: Mohammad Alobeid

Drawing Title:
Fire Alarm

Floor:
GROUND FLOOR

Date:
2/4/2022



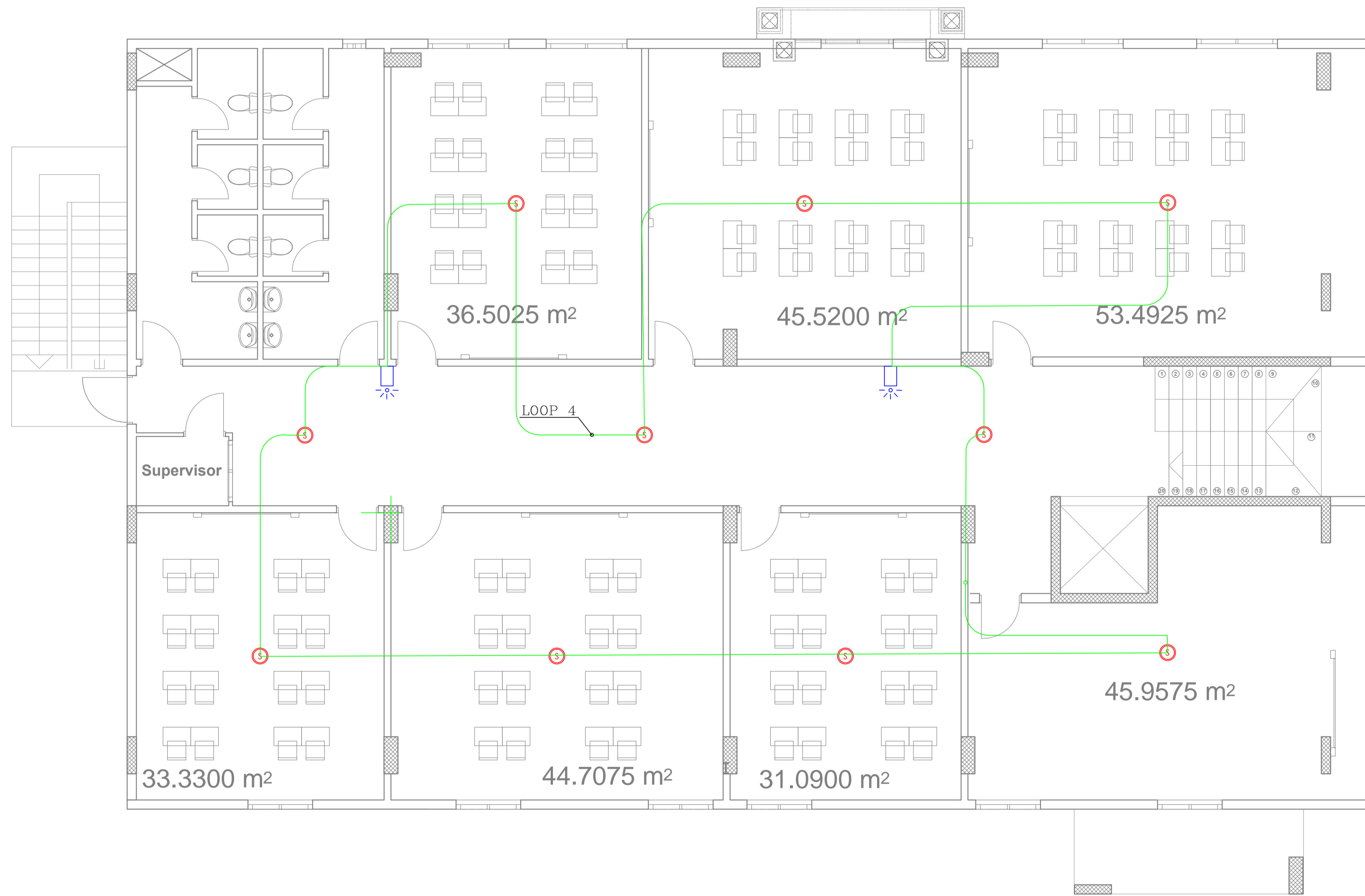
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Floor:
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Date:
2/4/2022



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Ⓢ	Smoke Sensor for addressable system IP43
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Drawing Title:
Fire Alarm

Floor:
ROOF FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION
	DATA & TEL Outlet
	ROUTER Outlet
	DATA & TEL Outlet IN FLOOR
	SPEAKER
	CAMERA

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
Fire Alarm

Floor:
BASEMENT FLOOR

Date:
2/4/2022



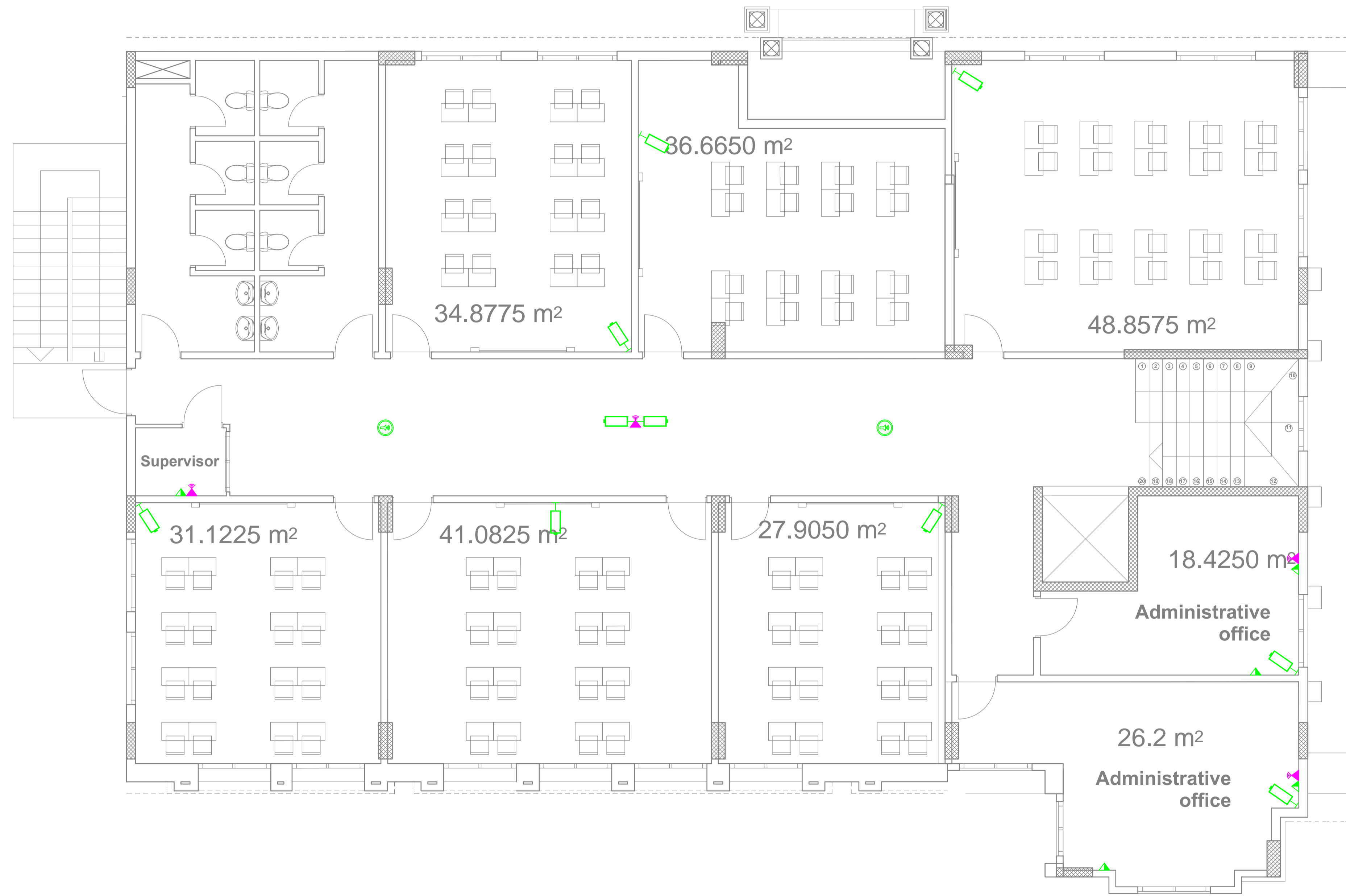
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	DATA & TEL Outlet
	ROUTER Outlet
	DATA & TEL Outlet IN FLOOR
	SPEAKER
	CAMERA

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
Fire Alarm

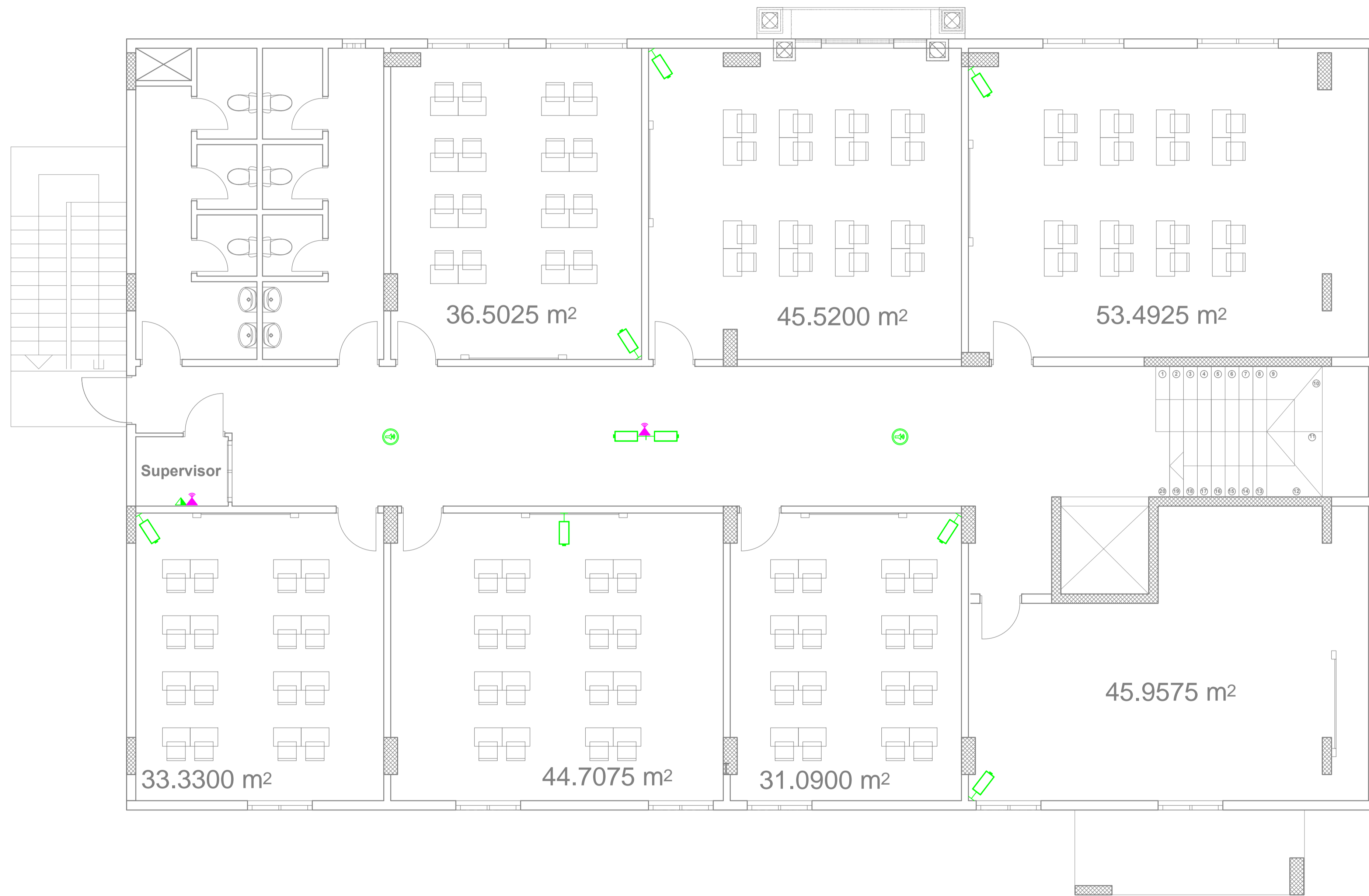
Floor:
GROUND FLOOR

Date:
2/4/2022



SYMBOL	DESCRIPTION
	DATA & TEL Outlet
	ROUTER Outlet
	DATA & TEL Outlet IN FLOOR
	SPEAKER
	CAMERA

Designed By: Eng: Mohammad Alobeid
Drawing Title: Fire Alarm
Floor: FIRST FLOOR
Date: 2/4/2022



SYMBOL	DESCRIPTION
	DATA & TEL Outlet
	ROUTER Outlet
	DATA & TEL Outlet IN FLOOR
	SPEAKER
	CAMERA

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
Fire Alarm

Floor:
ROOF FLOOR

Date:
2/4/2022

PROJECT NAME	SCHOOL	
VOLTAGE	400/230 V - 50HZ	
CONNECTED POWER	97.3	KVA
DEMAND POWER	82.7	KVA
LOAD CURRENT	119.0	A
CONSIDERD SPAARE %	10%	A
DEMAND CURRENT SPARE	131.0	A
MAIN C.B RATING	160	A
MAIN C.B POLE & TYPE	3P MCCB	
PANEL COANTITY PCS	1	

PANEL NAME	MDB	
LOCATION	OUTDOOR	
WAYS	24	BREAKER
SUPPLY SOURCE	KWHM	
CABLE ENTRANCE	BOTTOM	
CABLE TYPE	CU/XLPE/PVC	
ENCLOSURE/MOUNTING	INDOOR/FLUSH	
CABLE PIPE TYPE/SIZE mm	PVC/100	
CABLE SIZE+EARTH	4x70+1x35	

Description	PIPE mm	WIRE mm2	BREAKER			LOAD AMP	Load (VA)			Circit NO	Circit NO	Load (VA)			LOAD AMP	BREAKER			WIRE mm2	PIPE mm	Description		
			POLE	ELCB	AMP		R	Y	B			R	Y	B		AMP	AMP	ELCB				POLE	
										1		2	14028			61.0							
										3		4		15908		69.2	63	30mA	3	4x16+1x16	PVC/32	BF	
										5		6			15376	66.9							
										7		8	6544			28.5							
										9		10		6404		27.8	40	30mA	3	4x10+1x10	PVC/32	GF	
										11		12			3952	17.2							
										13		14	6580			28.6							
										15		16		5964		25.9	40	30mA	3	4x10+1x10	PVC/32	FF	
										17		18			5712	24.8							
										19		20	6544			28.5							
										21		22		6224		27.1	40	30mA	3	4x10+1x10	PVC/32	RF	
										23		24			4024	17.5							
TOTAL LOAD (VA)							0	0	0			TOTAL LOAD (VA)			33696	34500	29064	TOTAL LOAD (VA)					

BUS R (VA)	33696
BUS Y (VA)	34500
BUS B (VA)	29064

TOTAL CONNECTED LOAD (VA)	97260
DEMAND FACTOR	0.85
TOTAL DEMAND. LOAD (VA)	82671

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
LOAD

Floor:
MDB

Date:
2/4/2022

PROJECT NAME	SCHOOL		
VOLTAGE	400/230 V - 50HZ		
CONNECTED POWER	45.3		KVA
DEMAND POWER	31.7		KVA
LOAD CURRENT	45.7		A
CONSIDERD SPAARE %	10%		A
DEMAND CURRENT SPARE	50.2		A
MAIN C.B RATING	63		A
MAIN C.B POLE & TYPE	3P MCCB		
PANEL COANTITY PCS	1		

PANEL NAME	BF	
LOCATION	INDOOR	
WAYS	42	BREAKER
SUPPLY SOURCE	KWHM	
CABLE ENTRANCE	DOWN	
CABLE TYPE	CU/XLPE/PVC	
ENCLOSURE/MOUNTING	INDOOR/FLUSH	
CABLE PIPE TYPE/SIZE mm	PVC/32	
CABLE SIZE+EARTH	4x16+1x16	

Description	PIPE		WIRE			BREAKER			LOAD			Load (VA)			Circit	Circit	Load (VA)			LOAD			BREAKER			WIRE		PIPE	Description
	mm	mm2	mm2	POLE	RCD	AMP	AMP	R	Y	B	NO	NO	R	Y			B	AMP	AMP	RCD	POLE	mm2	mm						
Lighting	25	3x2.5	1	30mA	16	0.9	216				1	2	1760			7.7	20	30mA	1	3x4	25	General Socket							
Lighting	25	3x2.5	1	30mA	16	0.9		216			3	4		1760		7.7	20	30mA	1	3x4	25	General Socket							
Lighting	25	3x2.5	1	30mA	16	0.9			216		5	6			1760	7.7	20	30mA	1	3x4	25	General Socket							
Lighting	25	3x2.5	1	30mA	16	2.2	504				7	8	1760			7.7	20	30mA	1	3x4	25	General Socket							
Lighting	25	3x2.5	1	30mA	16	1.3			288		9	10		2500		10.9	25	30mA	1	3x4	25	Special Socket							
Lighting	25	3x2.5	1	30mA	16	1.1				252	11	12			2500	10.9	25	30mA	1	3x4	25	Special Socket							
Lighting	25	3x2.5	1	30mA	16	1.1	252				13	14	2500			10.9	25	30mA	1	3x4	25	Special Socket							
Lighting	25	3x2.5	1	30mA	16	1.3			288		15	16			2640	11.5	16	30mA	1	3x4	25	General Socket							
Lighting	25	3x2.5	1	30mA	16	1.4				312	17	18				7.7	20	30mA	1	3x4	25	General Socket							
Lighting	25	3x2.5	1	30mA	16	0.9	216				19	20	1320			5.7	20	30mA	1	3x4	25	General Socket							
Lighting	25	3x2.5	1	30mA	16	0.9		216			21	22			1980	8.6	20	30mA	1	3x4	25	General Socket							
										216	23	24				7.7	20	30mA	1	3X4	25	General Socket							
											25	26			1980	8.6	20	30mA	1	3X4	25	General Socket							
											27	28				7.7	20	30mA	1	3X4	25	General Socket							
											29	30				7.7	20	30mA	1	3X4	25	General Socket							
											31	32	1760			7.7	20	30mA	1	3X4	25	General Socket							
											33	34			1760	7.7	20	30mA	1	3X5	25	General Socket							
											35	36				7.7	20	30mA	1	3X6	25	General Socket							
											37	38	1760			7.7	20	30mA	1	3X7	25	General Socket							
											39	40			2500	10.9	25	30mA	1	3X8	25	Special Socket							
											41	42				7.7	20	30mA	1	3X4	25	General Socket							
TOTAL LOAD (VA)							1188	1008	996				TOTAL LOAD (VA)			12840	14900	14380	TOTAL LOAD (VA)										

BUS R (VA)	14028
BUS Y (VA)	15908
BUS B (VA)	15376

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
LIGHTING	3192		2234.4
POWER	42120		29484
HVAC	0		0

TOTAL CONNECTED LOAD (VA)	45312
TOTAL DEMAND. LOAD (VA)	31718

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
LOAD

Floor:
BASEMENT FLOOR

Date:
2/4/2022

PROJECT NAME	SCHOOL		
VOLTAGE	400/230 V - 50HZ		
CONNECTED POWER	16.9		KVA
DEMAND POWER	11.8		KVA
LOAD CURRENT	17.0		A
CONSIDERD SPAARE %	10%		A
DEMAND CURRENT SPARE	18.7		A
MAIN C.B RATING	40		A
MAIN C.B POLE & TYPE	3P MCCB		
PANEL COANTITY PCS	1		

PANEL NAME	GF	
LOCATION	INDOOR	
WAYS	16	BREAKER
SUPPLY SOURCE	MDB	
CABLE ENTRANCE	DOWN	
CABLE TYPE	CU/XLPE/PVC	
ENCLOSURE/MOUNTING	INDOOR/FLUSH	
CABLE PIPE TYPE/SIZE mm	PVC/32	
CABLE SIZE+EARTH	4x10+1x10	

Description	PIPE mm	WIRE mm2	BREAKER			LOAD AMP	Load (VA)			Circit NO	Circit NO	Load (VA)			LOAD		BREAKER		WIRE mm2	PIPE mm	Description
			POLE	RCD	AMP		R	Y	B			R	Y	B	AMP	AMP	RCD	POLE			
Lighting	25	3x2.5	1	30mA	16	1.3	288			1	2	1760			7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.9		216		3	4		1760		7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.9			216	5	6			1760	7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	2.3	540			7	8	1980			8.6	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.9		216		9	10		1760		7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.9			216	11	12			1760	7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.9	216			13	14	1760			7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	1.1		252		15	16			2200	9.6	20	30mA	1	3x4	25	General Socket
TOTAL LOAD (VA)							1044	684	432			5500	5720	3520	TOTAL LOAD (VA)						

BUS R (VA)	6544
BUS Y (VA)	6404
BUS B (VA)	3952

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
LIGHTING	2160		1512
POWER	14740		10318
HVAC	0		0

TOTAL CONNECTED LOAD (VA)	16900
TOTAL DEMAND. LOAD (VA)	11830

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
LOAD

Floor:
GROUND FLOOR

Date:
2/4/2022

PROJECT NAME	SCHOOL		
VOLTAGE	400/230 V - 50HZ		
CONNECTED POWER	18.3		KVA
DEMAND POWER	12.8		KVA
LOAD CURRENT	18.4		A
CONSIDERD SPAARE %	10%		A
DEMAND CURRENT SPARE	20.2		A
MAIN C.B RATING	40		A
MAIN C.B POLE & TYPE	3P MCCB		
PANEL COANTITY PCS	1		

PANEL NAME	FF	
LOCATION	INDOOR	
WAYS	#REF!	BREAKER
SUPPLY SOURCE	KWHM	
CABLE ENTRANCE	DOWN	
CABLE TYPE	CU/XLPE/PVC	
ENCLOSURE/MOUNTING	INDOOR/FLUSH	
CABLE PIPE TYPE/SIZE mm	PVC/32	
CABLE SIZE+EARTH	4x10+1x10	

Description	PIPE		WIRE			BREAKER			LOAD			Load (VA)			Circit	NO	Load (VA)			LOAD			BREAKER			WIRE		PIPE	Description
	mm	mm2	POLE	RCD	AMP	AMP	R	Y	B	NO	NO	R	Y	B			AMP	AMP	RCD	POLE	mm2	mm							
Lighting	25	3x2.5	1	30mA	16	1.3	288		1	2	1760			7.7	20	30mA	1	3x4	25	General Socket									
Lighting	25	3x2.5	1	30mA	16	0.9		216	3	4		1760		7.7	20	30mA	1	3x4	25	General Socket									
Lighting	25	3x2.5	1	30mA	16	0.9			5	6			1760	7.7	20	30mA	1	3x4	25	General Socket									
Lighting	25	3x2.5	1	30mA	16	2.5	576		7	8	1980			8.6	20	30mA	1	3x4	25	General Socket									
Lighting	25	3x2.5	1	30mA	16	0.9		216	9	10		1320		5.7	20	30mA	1	3x4	25	General Socket									
Lighting	25	3x2.5	1	30mA	16	0.9			11	12			1760	7.7	20	30mA	1	3x4	25	General Socket									
Lighting	25	3x2.5	1	30mA	16	0.9	216		13	14	1760			7.7	20	30mA	1	3x4	25	General Socket									
Lighting	25	3x2.5	1	30mA	16	1.1		252	15	16		2200		9.6	20	30mA	1	3x4	25	General Socket									
Lighting	25	3x2.5	1	30mA	16	0.0			17	18			1760	7.7	20	30mA	1	3x4	25	General Socket									
TOTAL LOAD (VA)							1080	684	432		5500	5280	5280	TOTAL LOAD (VA)															

BUS R (VA)	6580
BUS Y (VA)	5964
BUS B (VA)	5712

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
LIGHTING	2196		1537.2
POWER	16060		11242
HVAC	0		0

TOTAL CONNECTED LOAD (VA)	18256
TOTAL DEMAND. LOAD (VA)	12779

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
LOAD

Floor:
FIRST FLOOR

Date:
2/4/2022

PROJECT NAME	SCHOOL	
VOLTAGE	400/230 V - 50HZ	
CONNECTED POWER	16.8	KVA
DEMAND POWER	11.8	KVA
LOAD CURRENT	16.9	A
CONSIDERD SPAARE %	10%	A
DEMAND CURRENT SPARE	18.6	A
MAIN C.B RATING	40	A
MAIN C.B POLE & TYPE	3P MCCB	
PANEL COANTITY PCS	1	

PANEL NAME	RF	
LOCATION	INDOOR	
WAYS	16	BREAKER
SUPPLY SOURCE	KWHM	
CABLE ENTRANCE	DOWN	
CABLE TYPE	CU/XLPE/PVC	
ENCLOSURE/MOUNTING	INDOOR/FLUSH	
CABLE PIPE TYPE/SIZE mm	PVC/32	
CABLE SIZE+EARTH	4x10+1x10	

Description	PIPE mm	WIRE mm2	BREAKER			LOAD AMP	Load (VA)			Circit NO	Circit NO	Load (VA)			LOAD AMP	BREAKER			WIRE mm2	PIPE mm	Description
			POLE	RCD	AMP		R	Y	B			R	Y	B		AMP	AMP	RCD			
Lighting	25	3x2.5	1	30mA	16	1.3	288			1	2	1760			7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	1.3		288		3	4		1760		7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.9			216	5	6			1760	7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	2.3	540			7	8	1980			8.6	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.9			216	9	10		1760		7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	1.3			288	11	12			1760	7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.9	216			13	14	1760			7.7	20	30mA	1	3x4	25	General Socket
Lighting	25	3x2.5	1	30mA	16	0.0			0	15	16		2200		9.6	20	30mA	1	3x4	25	General Socket
TOTAL LOAD (VA)							1044	504	504		TOTAL LOAD (VA)			5500	5720	3520					

BUS R (VA)	6544
BUS Y (VA)	6224
BUS B (VA)	4024

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
LIGHTING	2052		1436.4
POWER	14740		10318
HVAC	0		0

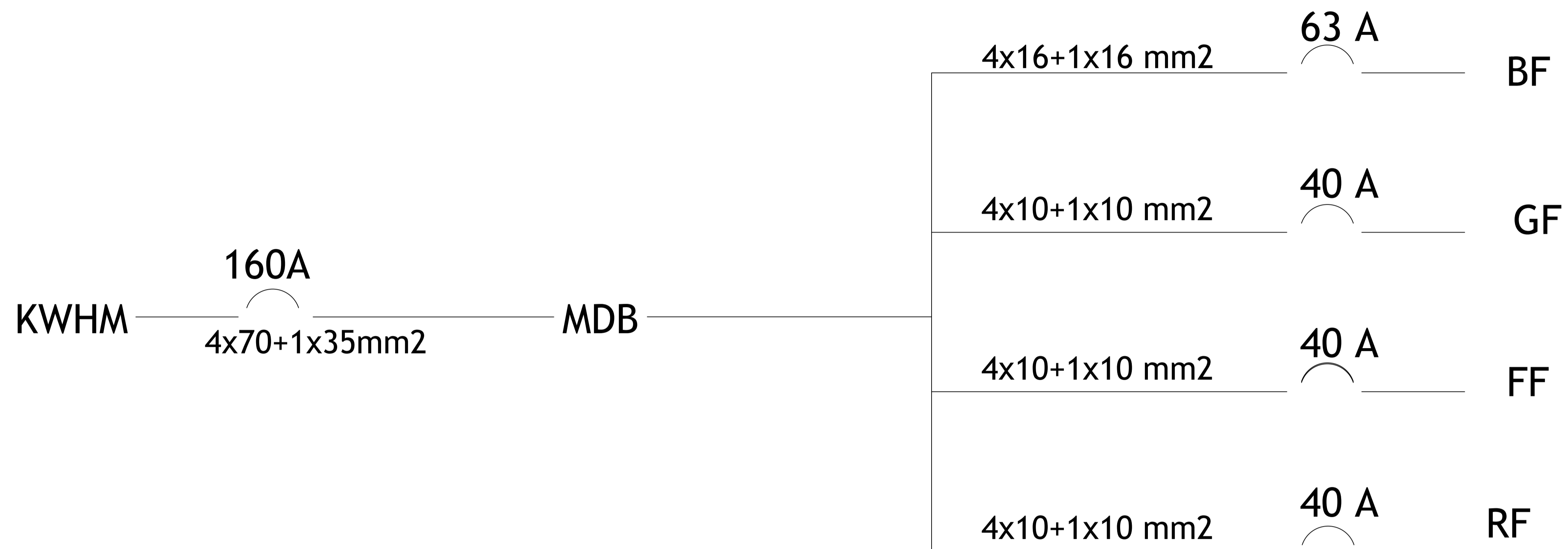
TOTAL CONNECTED LOAD (VA)	16792
TOTAL DEMAND. LOAD (VA)	11754

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
LOAD

Floor:
ROOF FLOOR

Date:
2/4/2022

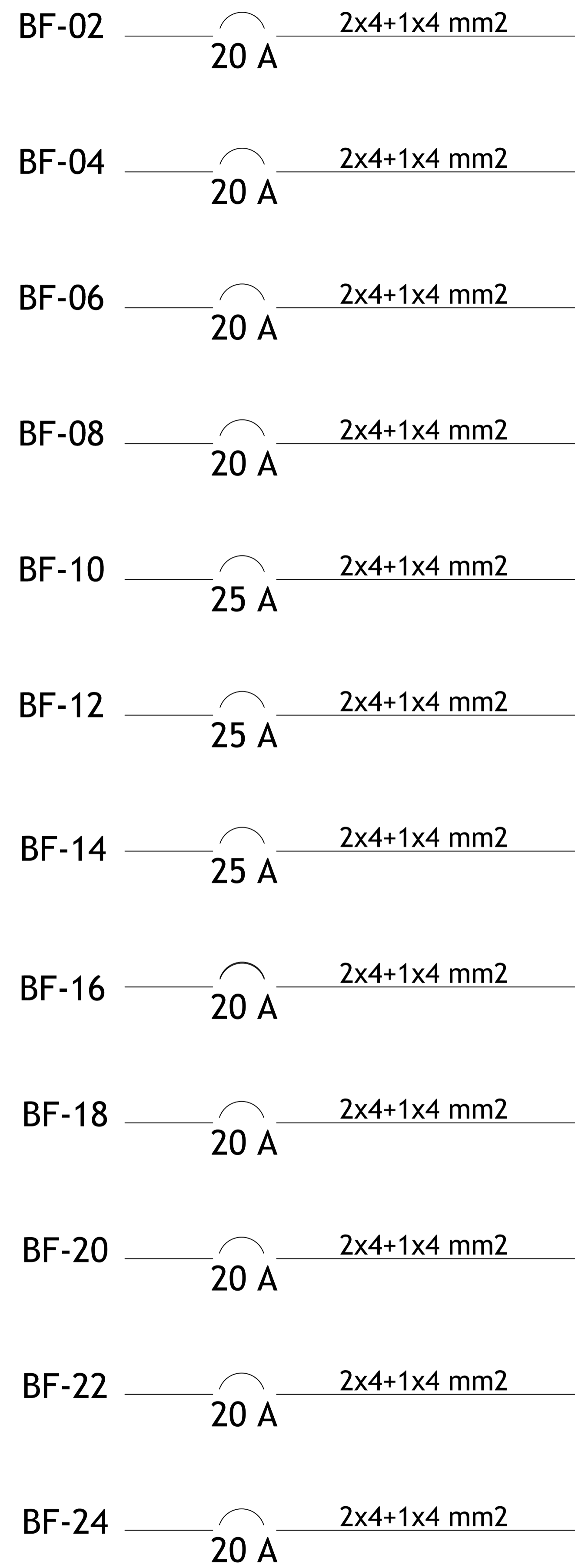


Designed By:
Eng: Mohammad Alobeid

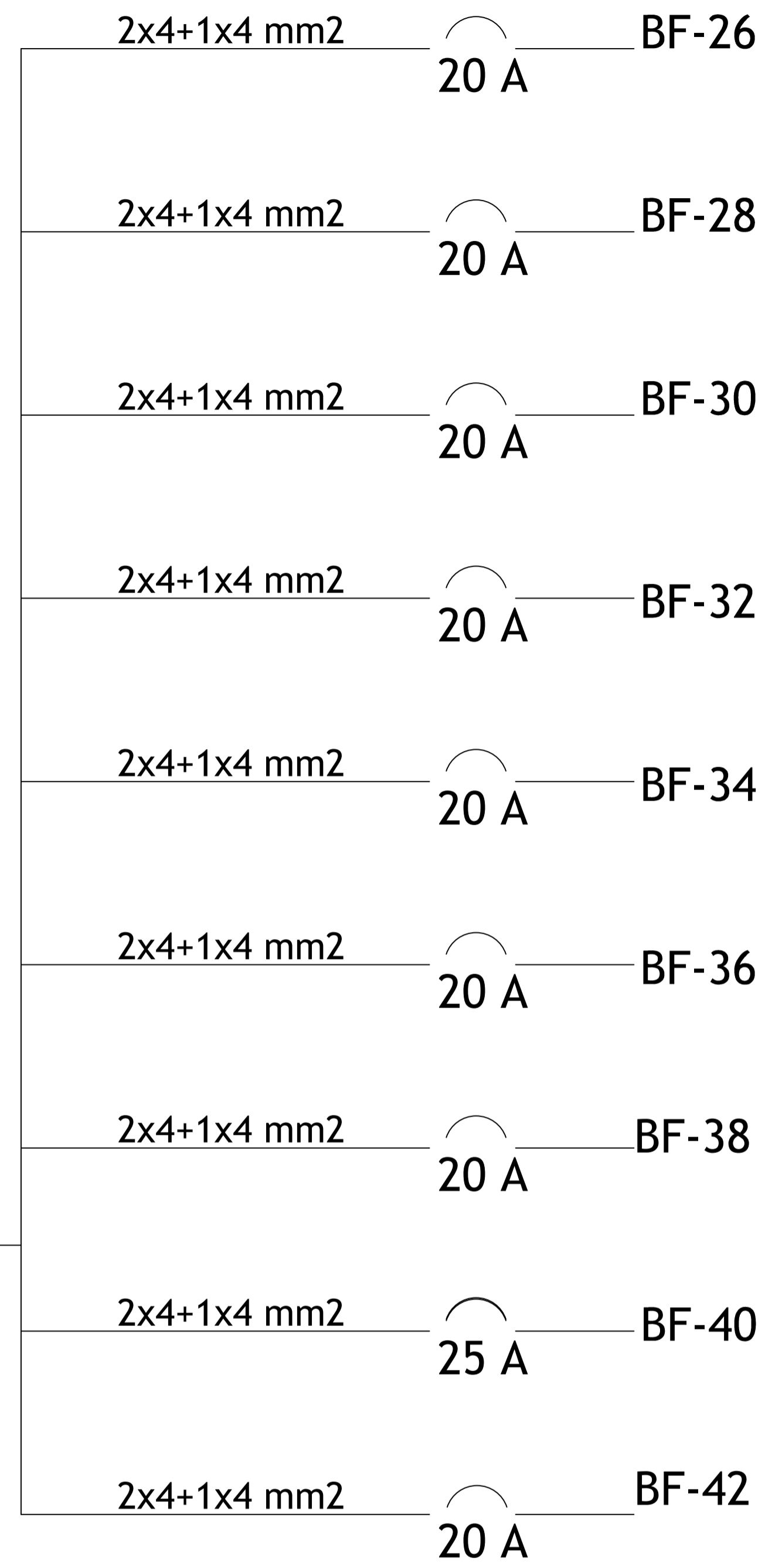
Drawing Title:
SINGLE LINE DIAGRAM

Floor:
MDB

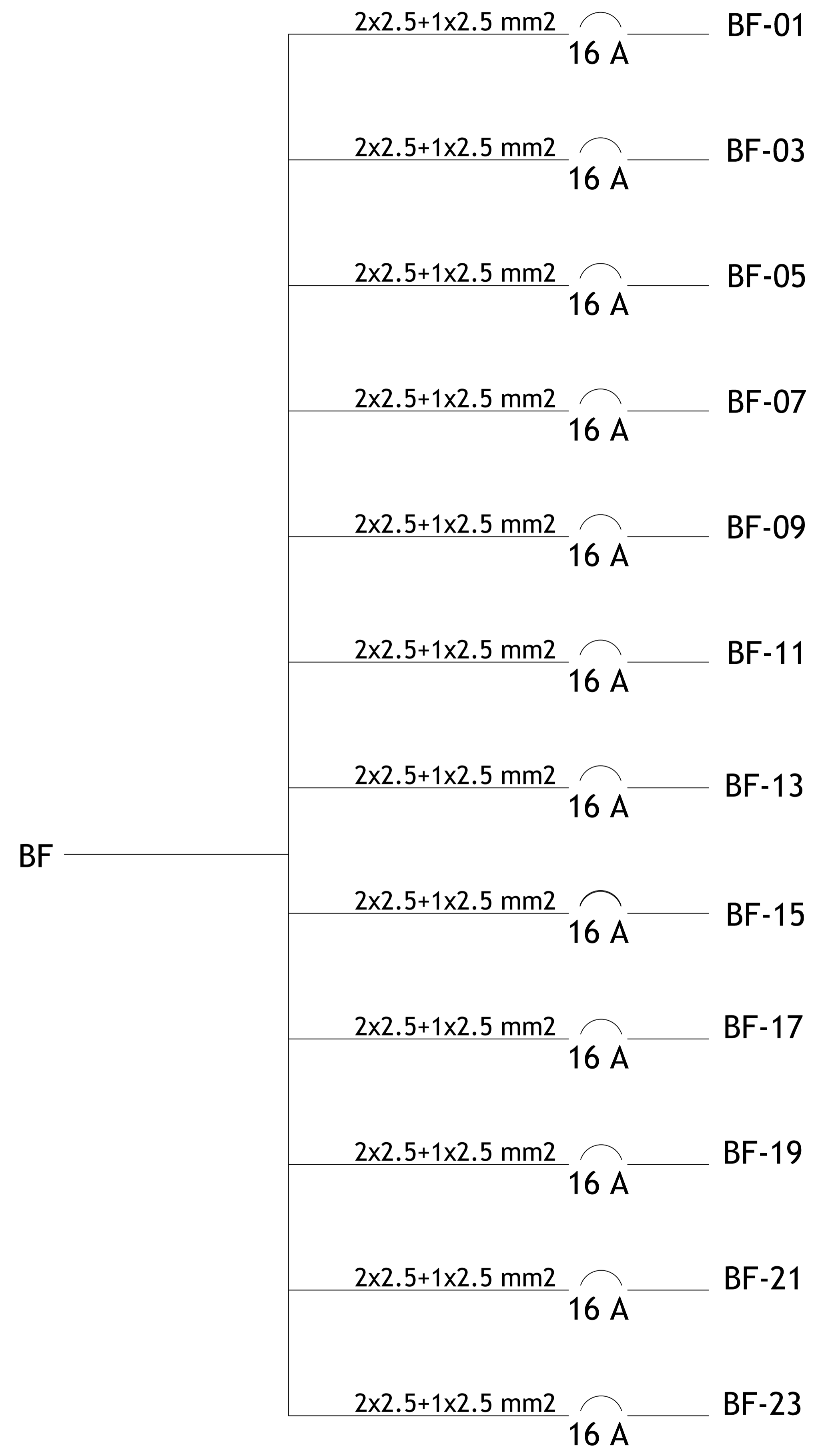
Date:
2/4/2022



BF



Designed By: Eng: Mohammad Alobeid
Drawing Title: SINGLE LINE DIAGRAM
Floor: BASEMENT FLOOR
Date: 2/4/2022



Designed By:
Eng: Mohammad Alobeid

Drawing Title:
SINGLE LINE DIAGRAM

Floor:
BASEMENT FLOOR

Date:
2/4/2022

GF-01 $\overbrace{\hspace{1.5cm}}^{16\text{ A}}$ $2 \times 2.5 + 1 \times 2.5\text{ mm}^2$

GF-03 $\overbrace{\hspace{1.5cm}}^{16\text{ A}}$ $2 \times 2.5 + 1 \times 2.5\text{ mm}^2$

GF-05 $\overbrace{\hspace{1.5cm}}^{16\text{ A}}$ $2 \times 2.5 + 1 \times 2.5\text{ mm}^2$

GF-07 $\overbrace{\hspace{1.5cm}}^{16\text{ A}}$ $2 \times 2.5 + 1 \times 2.5\text{ mm}^2$

GF-09 $\overbrace{\hspace{1.5cm}}^{16\text{ A}}$ $2 \times 2.5 + 1 \times 2.5\text{ mm}^2$

GF-11 $\overbrace{\hspace{1.5cm}}^{16\text{ A}}$ $2 \times 2.5 + 1 \times 2.5\text{ mm}^2$

GF-13 $\overbrace{\hspace{1.5cm}}^{16\text{ A}}$ $2 \times 2.5 + 1 \times 2.5\text{ mm}^2$

GF-15 $\overbrace{\hspace{1.5cm}}^{16\text{ A}}$ $2 \times 2.5 + 1 \times 2.5\text{ mm}^2$

GF

$2 \times 4 + 1 \times 4\text{ mm}^2$ $\overbrace{\hspace{1.5cm}}^{20\text{ A}}$ GF-02

$2 \times 4 + 1 \times 4\text{ mm}^2$ $\overbrace{\hspace{1.5cm}}^{20\text{ A}}$ GF-04

$2 \times 4 + 1 \times 4\text{ mm}^2$ $\overbrace{\hspace{1.5cm}}^{20\text{ A}}$ GF-06

$2 \times 4 + 1 \times 4\text{ mm}^2$ $\overbrace{\hspace{1.5cm}}^{20\text{ A}}$ GF-08

$2 \times 4 + 1 \times 4\text{ mm}^2$ $\overbrace{\hspace{1.5cm}}^{20\text{ A}}$ GF-10

$2 \times 4 + 1 \times 4\text{ mm}^2$ $\overbrace{\hspace{1.5cm}}^{20\text{ A}}$ GF-12

$2 \times 4 + 1 \times 4\text{ mm}^2$ $\overbrace{\hspace{1.5cm}}^{20\text{ A}}$ GF-14

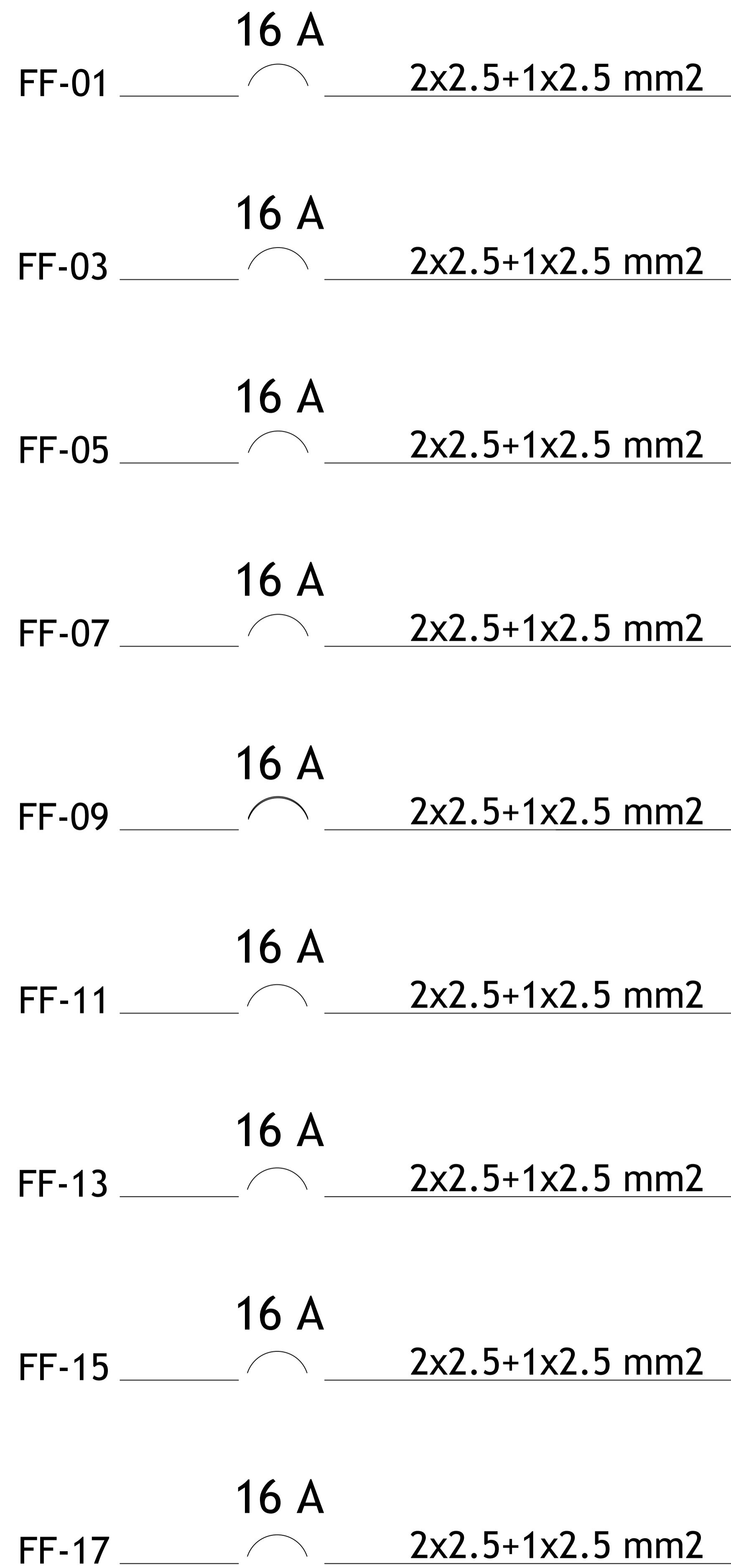
$2 \times 4 + 1 \times 4\text{ mm}^2$ $\overbrace{\hspace{1.5cm}}^{20\text{ A}}$ GF-16

Designed By:
Eng: Mohammad Alobeid

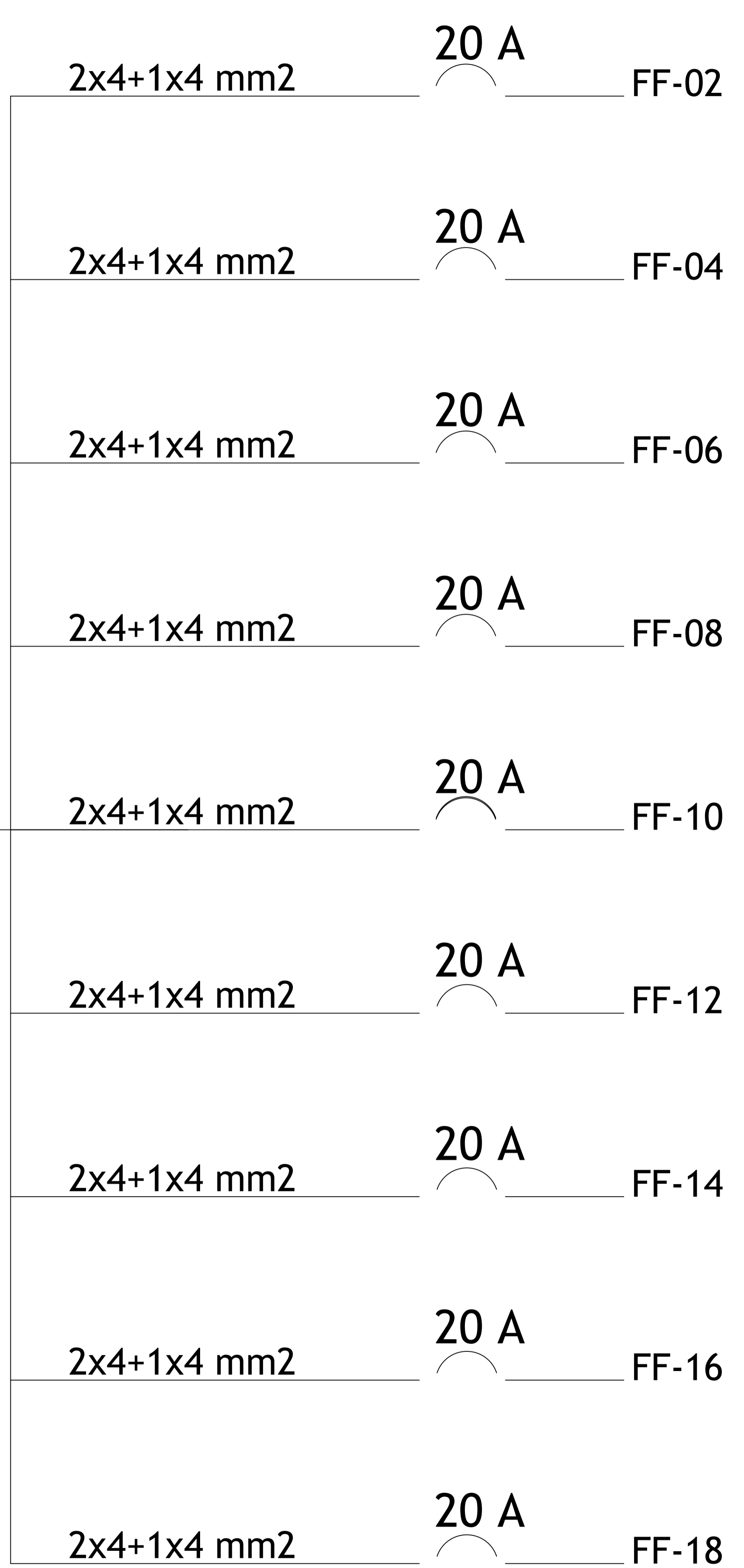
Drawing Title:
SINGLE LINE DIAGRAM

Floor:
GROUND FLOOR

Date:
2/4/2022



FF



Designed By: Eng: Mohammad Alobeid
Drawing Title: SINGLE LINE DIAGRAM
Floor: FIRST FLOOR
Date: 2/4/2022

RF-01 16 A
 ⌢ 2x2.5+1x2.5 mm²

RF-03 16 A
 ⌢ 2x2.5+1x2.5 mm²

RF-05 16 A
 ⌢ 2x2.5+1x2.5 mm²

RF-07 16 A
 ⌢ 2x2.5+1x2.5 mm²

RF-09 16 A
 ⌢ 2x2.5+1x2.5 mm²

RF-11 16 A
 ⌢ 2x2.5+1x2.5 mm²

RF-13 16 A
 ⌢ 2x2.5+1x2.5 mm²

RF

2x4+1x4 mm² 20 A RF-02
 ⌢

2x4+1x4 mm² 20 A RF-04
 ⌢

2x4+1x4 mm² 20 A RF-06
 ⌢

2x4+1x4 mm² 20 A RF-08
 ⌢

2x4+1x4 mm² 20 A RF-10
 ⌢

2x4+1x4 mm² 20 A RF-12
 ⌢

2x4+1x4 mm² 20 A RF-14
 ⌢

2x4+1x4 mm² 20 A RF-16
 ⌢

Designed By:
Eng: Mohammad Alobeid

Drawing Title:
SINGLE LINE DIAGRAM

Floor:
ROOF FLOOR

Date:
2/4/2022