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BLOCK B

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- ❖ Electrical Layout Drawing.
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- ❖ Electrical Layout Drawing.
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- ❖ Electrical Layout Drawing.
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- ❖ SMDB Panel Drawing.

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- ❖ Electrical Layout Drawing.
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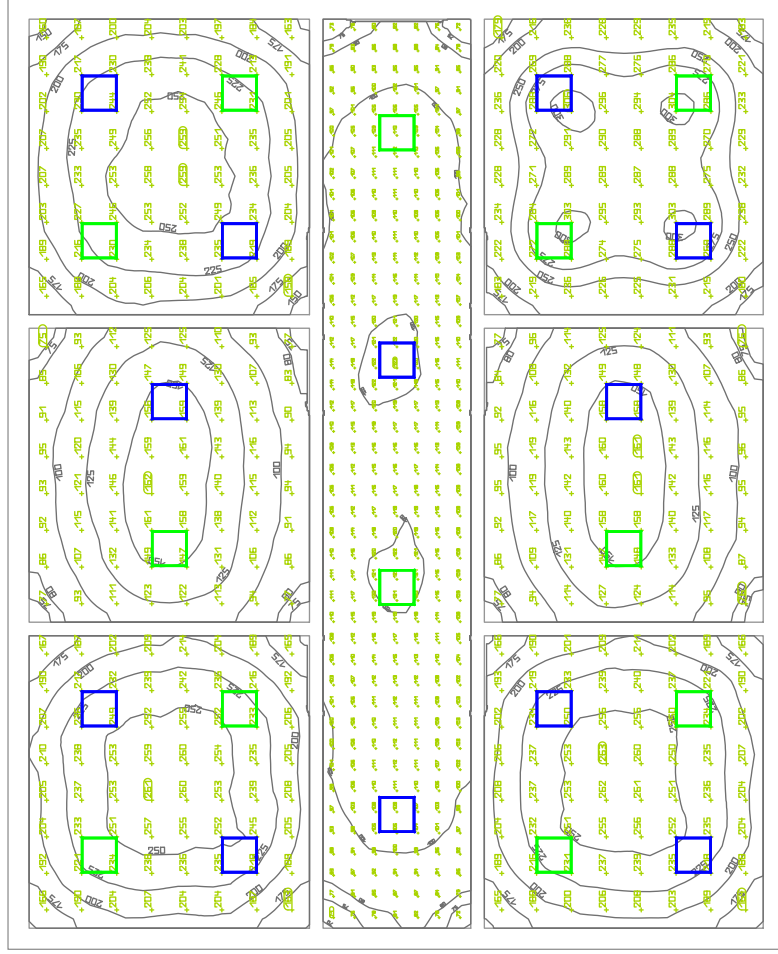
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BLOCK A

Lower Ground Floor

Luminaire list (Lower Ground Floor Block A – Radiology)

Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Maintenance factor	Connected load	Quantity
1	Panasonic	Baselight (SCANTO PLUS)	PBLM21203	1x LED	2400 lm	0.80	20 W	24



#	Name	Parameter	Min	Max	Average	Min/Average	Min/max
1	Working plane (Ultrasound Room)	Perpendicular illuminance (Adaptive)	148 lx	263 lx	222 lx	0.67	0.56
2	Working plane (Dark Room)	Perpendicular illuminance (Adaptive)	70.1 lx	164 lx	118 lx	0.59	0.43
3	Working plane (CT Scan)	Perpendicular illuminance (Adaptive)	141 lx	260 lx	219 lx	0.64	0.54
4	Working plane (MR)	Perpendicular illuminance (Adaptive)	148 lx	263 lx	221 lx	0.67	0.56
5	Working plane (Dark Room)	Perpendicular illuminance (Adaptive)	70.6 lx	163 lx	119 lx	0.59	0.43
6	Working plane (X Ray)	Perpendicular illuminance (Adaptive)	153 lx	306 lx	256 lx	0.60	0.50
7	Working plane (Corridors)	Perpendicular illuminance (Adaptive)	69.4 lx	123 lx	106 lx	0.65	0.56

CLIENT NAME:

Wular Medical Centre, Muqam, Sopore.

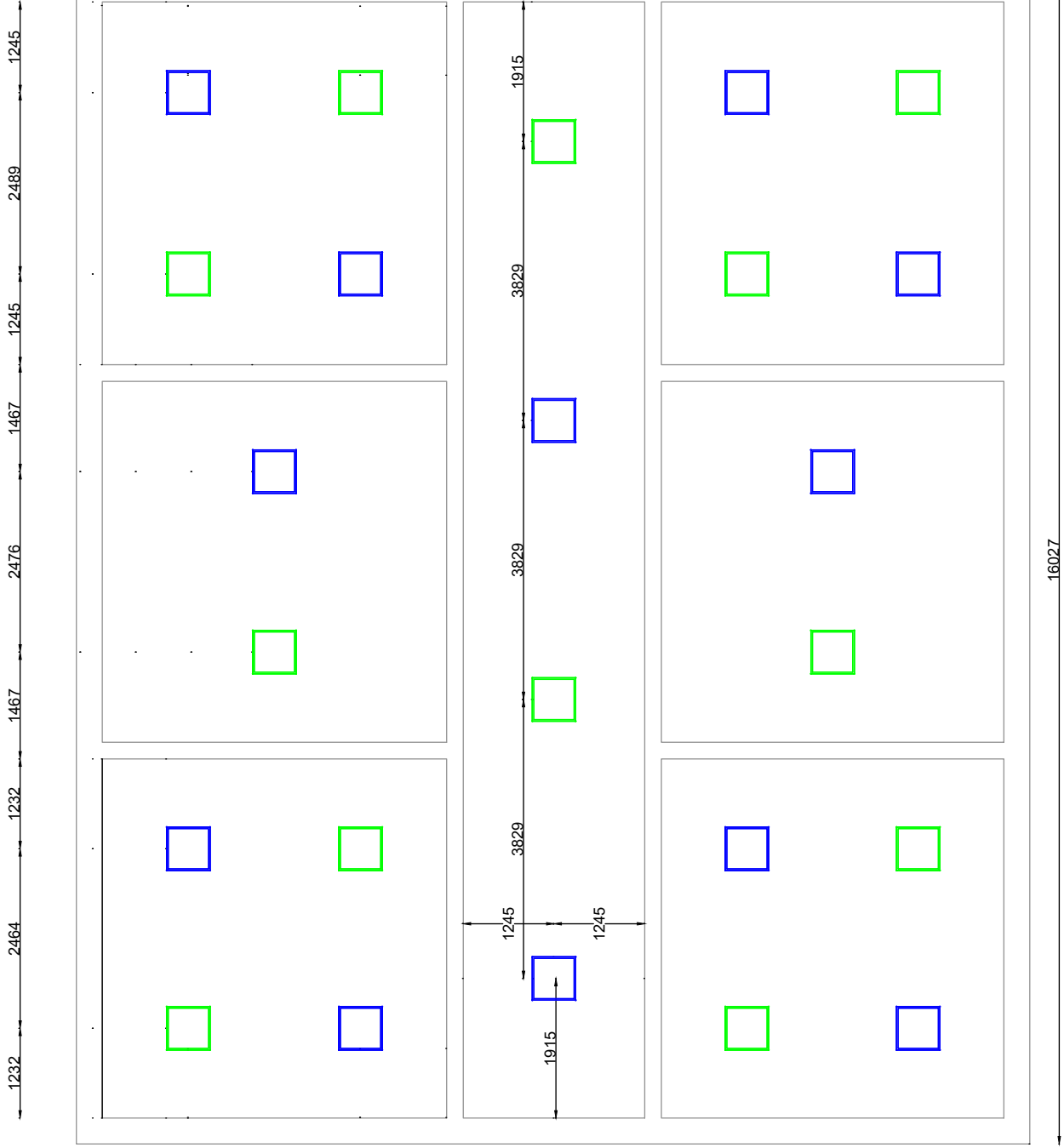


2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir,
Pincode: 190011
Tel: +91-9053016475

TITLE :
Lighting Lux Layout Drawing
Block A IGF (Radiology)

DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
CHECKED/DATE:	DRAWING NO.:	REV.:		
APPROVED:	0	KC/MKC/A-001		

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm)



1181
2362
1181

CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.



2nd Floor-7th Complex,
90 feet, link road, Srinagar,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-988016475

TITLE :
Preliminary Electrical Layout Drawing
Block A (RadioLOGY)

DRAWN:	DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
CHECKED (JOB):		DRAWING NO:		REV:	
CHECKED (QUALITY):		MC/MKC/A-01		REV:	0
APPROVED:				REV:	

BLOCK A LGF

Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
1.1	2 Module (75mmX75mm)	Each	1		
1.2	4 Module (125mmX75mm)	Each	9		
1.3	6 Module (200mmX75mm)	Each	8		
1.4	8 Module (250mmX75mm)	Each	3		
1.5	12 Module (400mmX75mm)	Each	6		
2	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor				
2.1	1 Sqmm	Mtr.	110		
2.2	1.5 Sqmm	Mtr.	55		
2.3	3C 1.5 Sqmm with Earth wire	Mtr.	0		
2.4	3C 2.5 Sqmm with Earth wire	Mtr.	220		
2.5	3C 4 Sqmm with Earth wire	Mtr.	220		
3	Supplying following modular switch/ socket				
3.1	32A socket outlet with 32A switch	Each	15		
3.2	3 pin 5/6 amp socket outlet	Each	40		
3.3	10A switch for sockets	Each	40		
3.4	6A switch lights	Each	20		
3	1" PVC Conduit	Mtr.			
4	Bends	Each			
5	1" Channel	Mtr.			

1. Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.

2. Material list doesn't include SMDB (Sub main distribution board, circuit breakers etc.).

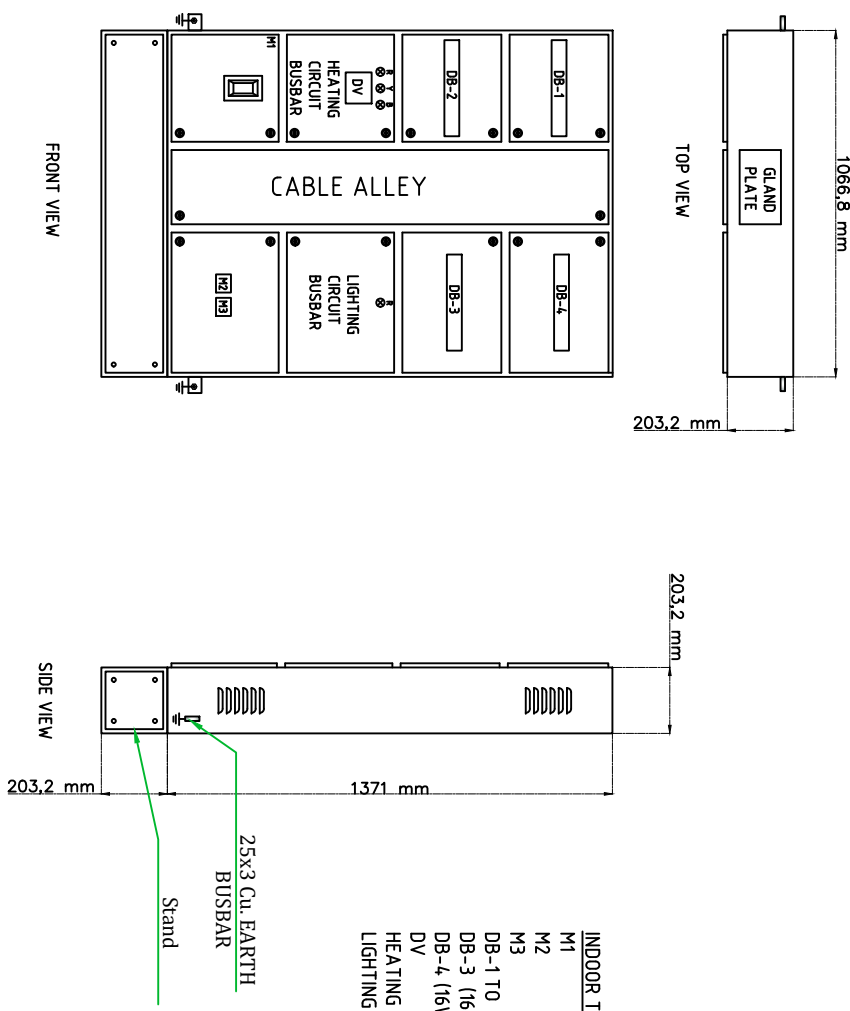
3. Separate material list to be provided for SMDB, MDB (Main Distribution Board), Cable from MDB to SMDB, Main LT cable from transformer etc.

4. Material List doesn't include lights (Luminaries). Will be provided after finalizing the position of installation (weather roof mounted or wall mounted to be used). Although light type and quantity is provided in the lighting design drawing as per roof mounted lights.

Note:

To be provided by Electrician.

SHEET THICKNESS: 18 GAUGE OR 16 GAUGE (WHERE EVER NECESSARY)



- INDOOR TYPE FLOOR MOUNTED PANEL.**
- M1 MCCB 63A TPN 25KA (HEATING CIRCUIT).
 - M2 MCB 63A SPN 10KA (LIGHTING CIRCUIT).
 - M3 MCB 16A SPN 10KA (E. LIGHTING CIRCUIT).
 - DB-1 TO DB-2 (14WAY) RCBO SPN (30mA) 32A x 9 + SPACE.
 - DB-3 (16WAY) RCBO SPN (30mA) 10A x 6 + SPACE.
 - DB-4 (16WAY) RCBO SPN (30mA) 10A x 2 + SPACE
 - DV DIGITAL VOL TMETER.
 - HEATING CIRCUIT B.B. TPN AL. 25X3 BUSBAR.
 - LIGHTING CIRCUIT B.B. SPN AL. 25X3 BUSBAR.

FRONT VIEW

TOP VIEW

SIDE VIEW

DRAWN: AARIF	DESIGNED: AARIF	SCALE: AS SHOWN	DATE: 24/05/2023	CLIENT NAME: What Medical Centre, Malappur, Singapore
CHECKED CAD: _____		DRAWING NO: KAC/MMC/P.D./001	REV: 0	TITLE : SMDB PANEL DRAWING
CHECKED QUALITY: _____				Block A- LCF(Radiology)
APPROVED: _____				

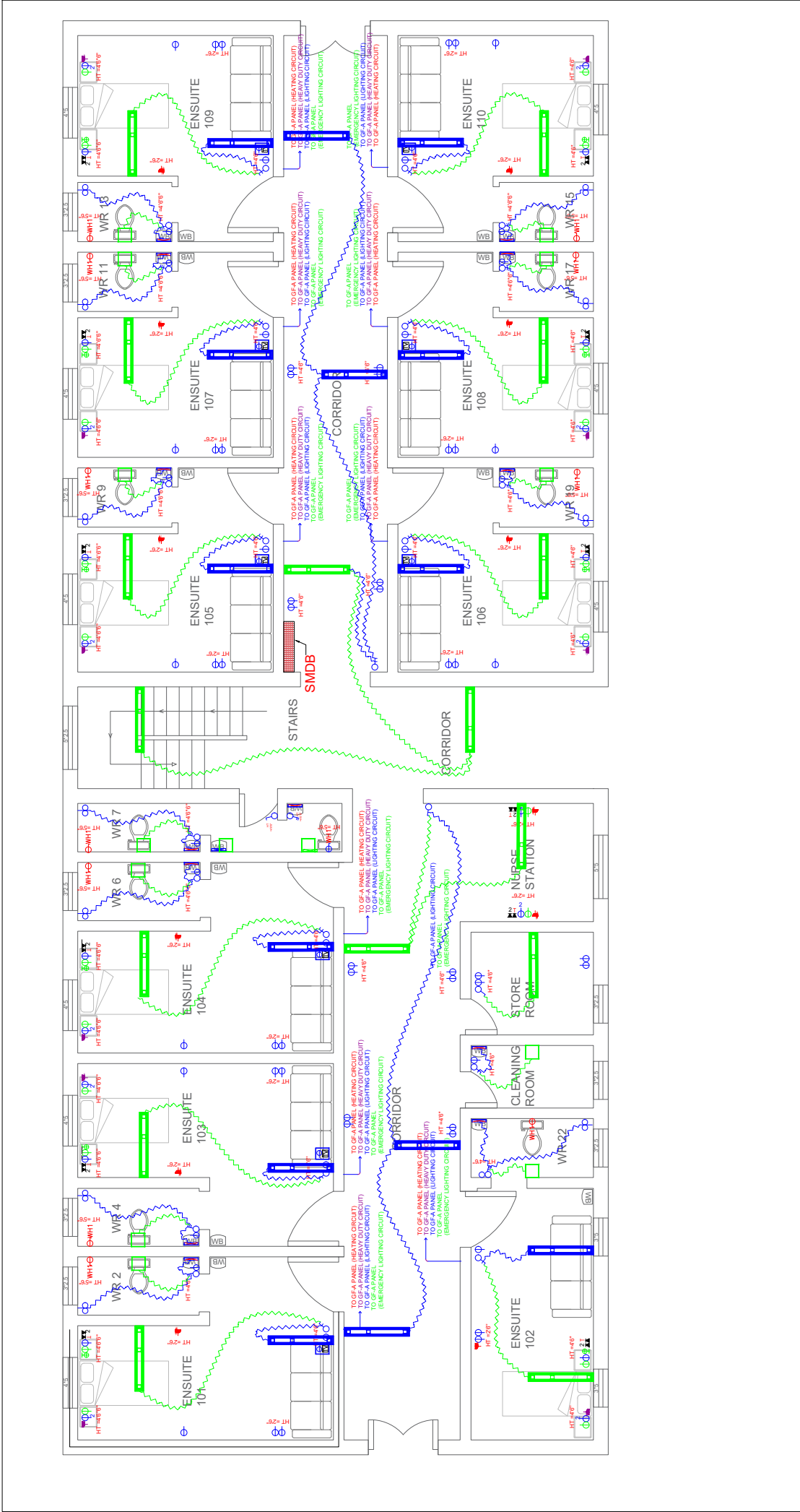
KASHMIRANDCO DESIGN AND ENGINEERING PVT. LTD.

kashmirandco
DESIGN AND ENGINEERING

2nd Floor- Zito Complex,
90 feet, Btk road, Srinagar,
Jammu and Kashmir.
Phone: 190011
Tel: +91-6005816475

BLOCK A

Ground Floor



CLIENT NAME: Wular Medical Centre, Muzam, Sopore.



TITLE : Electrical Layout Drawing
Block A (ENSUITE GROUND FLOOR)

DRWN:	DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
CHECKED/CAD:	DRAWING NO:				REV.
CHECKED/QUALITY:	KAC/MC/A-001				0
APPROVED:					

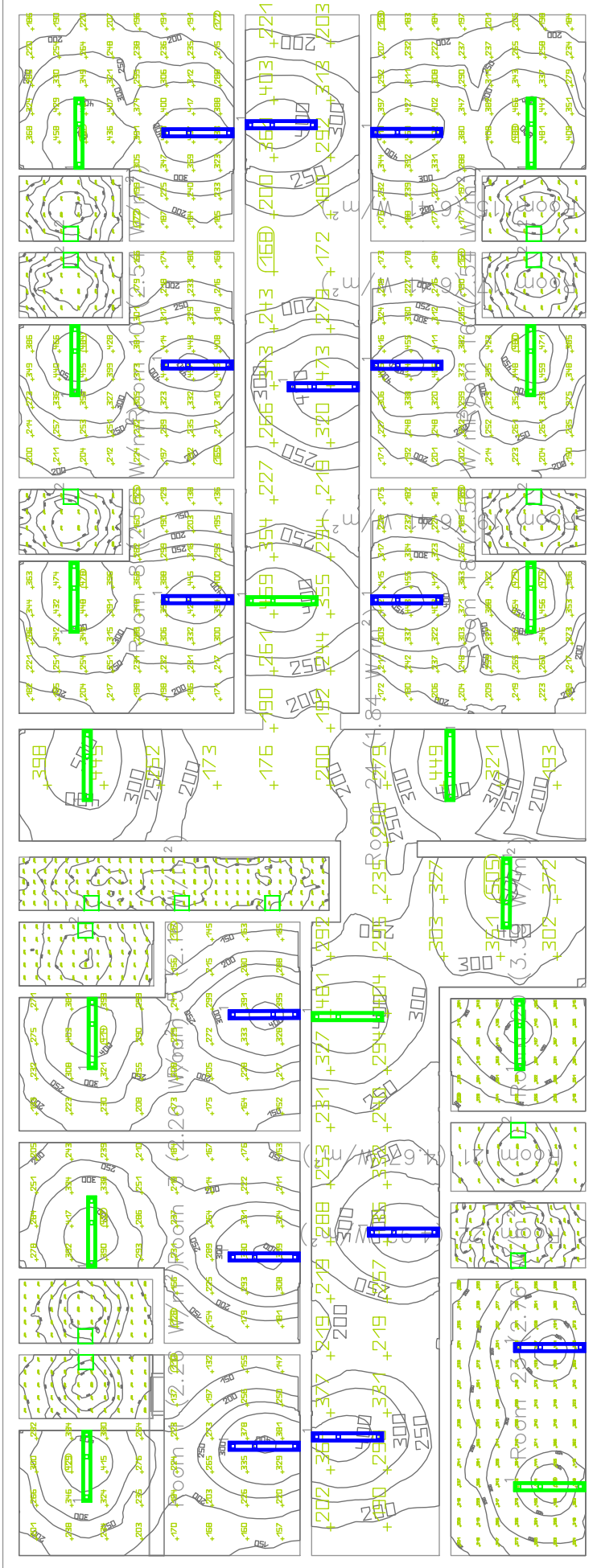
2nd Floor-2a Complex, 90 feet, link road, Sopore, Baramulla District, Jammu & Kashmir. Pincode: 180001 Tel: +91-6008816475

LEGENDS

—	Cable 1.5mm ² 2C + Earth for Emergency Lighting
—	Cable 2.5mm ² 2C + Earth for Lighting Circuit
—	Cable 4mm ² 2C + Earth for Heating Circuit
—	Cable 4mm ² 2C + Earth for Heavy Duty Circuit
—	Wire 1mm ² 1C
—	Wire 1mm ² 1C

LEGENDS

⊕	HEAVY DUTY RECEPTABLE OUTLET 13AMP 230V 2P+E WITH SWITCH
⊖	WALL MOUNTED MIRROR LIGHT
⊕	WALL MOUNTED BED LIGHT
⊕	PVC PIPE CONCEALED
⊕	8P AMP 230V 2P+E SOCKET OUTLET WITH 10A SWITCH
⊕	PLATE SWITCHES 8 AMP FLUSH MOUNTED ONE GANGS TWO WAY 230V
⊕	8P AMP 230V 2P+E SOCKET MOUNTED ONE GANGS ONE WAY 230V
⊕	REGULATED LED LIGHT MOUNTED WITH 10A SWITCH
⊕	EMERGENCY LED LIGHT MOUNTED
⊕	HEATING RECEPTABLE OUTLET 16AMP 230V 2P+E WITH SWITCH
⊕	NORMAL LED LIGHT SURFACE MOUNTED
⊕	EMERGENCY LED LIGHT SURFACE MOUNTED
⊕	REGULATED LED LIGHT SURFACE MOUNTED
⊕	EMERGENCY LED LIGHT SURFACE MOUNTED
⊕	CEILING SPEAKER
⊕	8P AMP 230V 2P+E SOCKET OUTLET
⊕	15mm ² 3mm TRUNKING AT HEIGHT OF 4 FEET
⊕	15mm ² 3mm TRUNKING AT TOP
⊕	15mm ² 3mm TRUNKING AT TOP
⊕	MARKET CASE LIGHT MOUNTED
⊕	NORMAL LED LIGHT SURFACE MOUNTED



Luminaire list (Building 1, Storey 1)

Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Maintenance factor	Connected load	Quantity
1	Philips	SM341C PSD L1500 1		1x 285/940	2600 lm	0.80	21.5 W	30
2	Parasonic	Ceilingroom (IMBUE)	PCRM03184	1x LED	1350 lm	0.80	18 W	14

#	Room	Perimeter (m)	Area (sq m)	Vol (cu m)	Min	Average	Min/Average	Max/Average
1	Waiting area (100)	120 m	450 sq m	2250 cu m	0.49	0.52		
2	Waiting area (100)	120 m	450 sq m	2250 cu m	0.75	0.64		
3	Waiting area (100)	120 m	450 sq m	2250 cu m	0.67	0.57		
4	Waiting area (100)	120 m	450 sq m	2250 cu m	0.79	0.58		
5	Waiting area (100)	120 m	450 sq m	2250 cu m	0.42	0.54		
6	Waiting area (100)	120 m	450 sq m	2250 cu m	0.75	0.58		
7	Waiting area (100)	120 m	450 sq m	2250 cu m	0.68	0.57		
8	Waiting area (100)	120 m	450 sq m	2250 cu m	0.41	0.54		
9	Waiting area (100)	120 m	450 sq m	2250 cu m	0.73	0.65		
10	Waiting area (100)	120 m	450 sq m	2250 cu m	0.50	0.51		
11	Waiting area (100)	120 m	450 sq m	2250 cu m	0.78	0.58		
12	Waiting area (100)	120 m	450 sq m	2250 cu m	0.55	0.52		
13	Waiting area (100)	120 m	450 sq m	2250 cu m	0.74	0.62		
14	Waiting area (100)	120 m	450 sq m	2250 cu m	0.54	0.52		
15	Waiting area (100)	120 m	450 sq m	2250 cu m	0.74	0.63		
16	Waiting area (100)	120 m	450 sq m	2250 cu m	0.52	0.52		
17	Waiting area (100)	120 m	450 sq m	2250 cu m	0.75	0.60		
18	Waiting area (100)	120 m	450 sq m	2250 cu m	0.53	0.53		
19	Waiting area (100)	120 m	450 sq m	2250 cu m	0.75	0.64		
20	Waiting area (100)	120 m	450 sq m	2250 cu m	0.50	0.45		
21	Waiting area (100)	120 m	450 sq m	2250 cu m	0.65	0.48		
22	Waiting area (100)	120 m	450 sq m	2250 cu m	0.79	0.64		
23	Waiting area (100)	120 m	450 sq m	2250 cu m	0.59	0.45		
24	Waiting area (100)	120 m	450 sq m	2250 cu m	0.51	0.58		

CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.

2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-9053016475

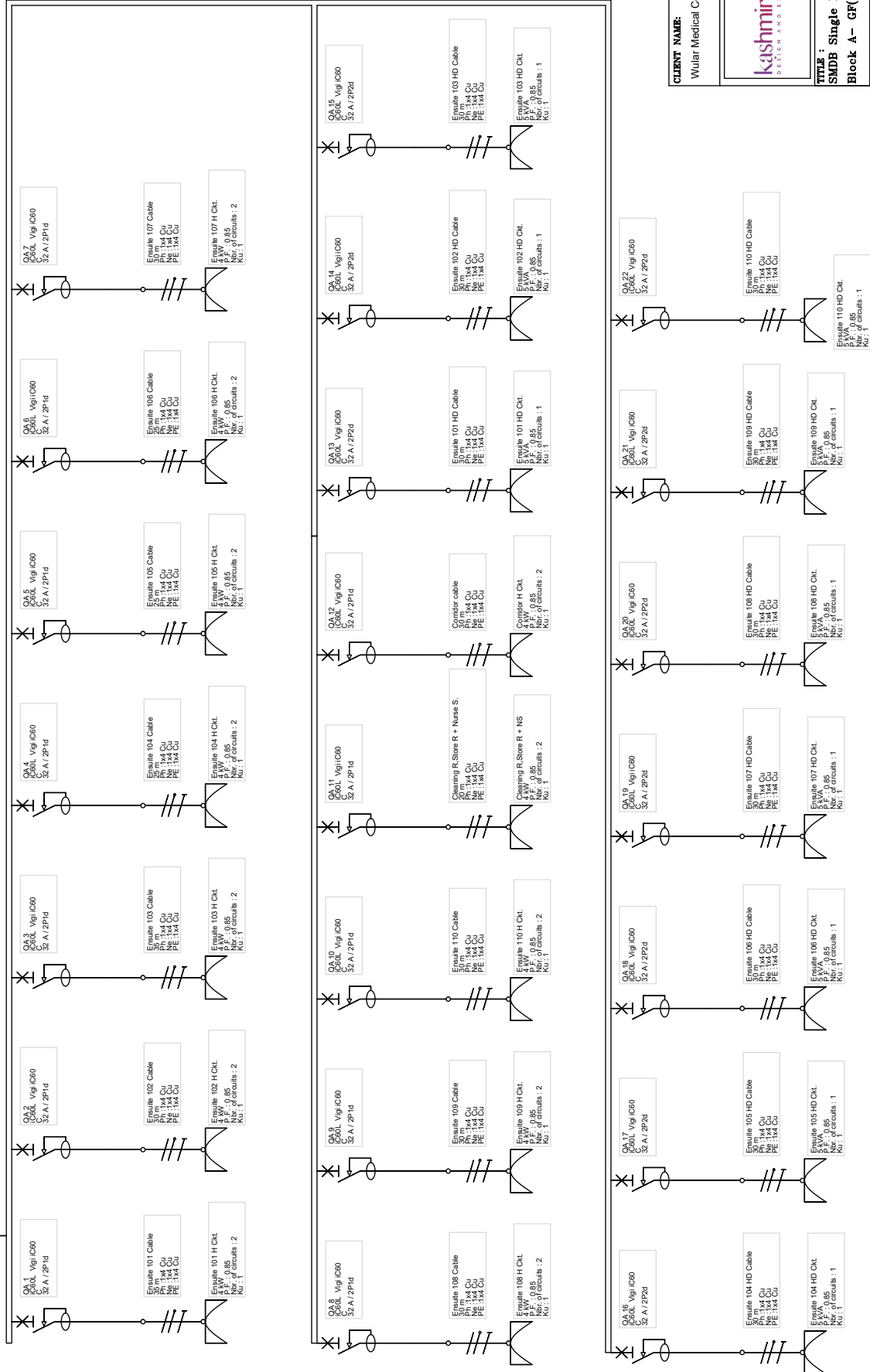
kashmirandco
DESIGN AND ENGINEERING

TITLE :
Lighting Lux Layout Drawing
Block A (ENSUITE GROUND FLOOR)

SCALE: AS SHOWN DATE: 22/03/2023
DRAWING NO: _____
CHECKED QUALITY: _____
DESIGNED: _____
APPROVED: _____
REV: _____
MC/MKC/A-001
0

507 A.H.C.
 MCB
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 PE: 13/07A1

MCB
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 200 A/16.42 E



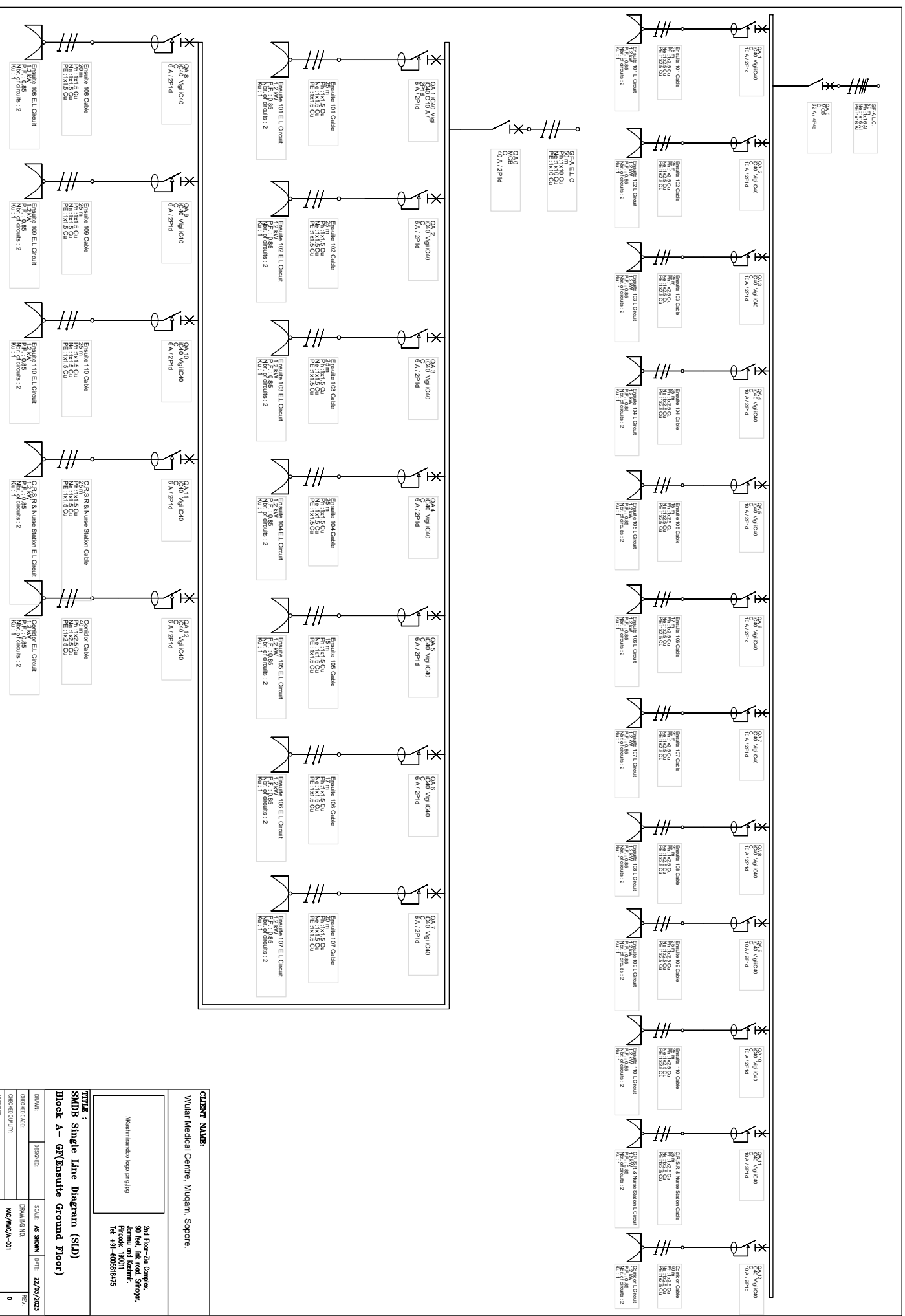
CLIENT NAME:
 Wular Medical Centre, Muqam, Sopore.



2nd Floor-7th Complex,
 90 feet, Iik road, Shogor,
 Jammu and Kashmir,
 Pincode: 190011
 Tel: +91-9008016475

SCALE: AS SHOWN	DATE: 22/03/2023
DRAWN: DESIGNED:	DRAWING NO.:
CHECKED: QA/QC:	REV:
APPROVED:	0

FILE #
SMDB Single Line Diagram (SLD)
Block A - GF(Ensuite Ground Floor)



CLIENT NAME:
Wular Medical Centre, Muzam, Sopore

**2nd Floor-26 Complex,
50 Hill, Bakk Road, Sopore,
District: Baramulla,
Pincode: 190011
Tel: +91-9008664715**

YITIR :
SMDB Single Line Diagram (SLD)
Block A - GF(Ensuite Ground Floor)

DESIGNER	DATE	SCALE	NO. OF SHEETS
CHKD/QUALITY	22/03/2023	AS SHOWN	01
DRAWING NO.	REV		
KC/MC/A-001	0		

BLOCK A GF

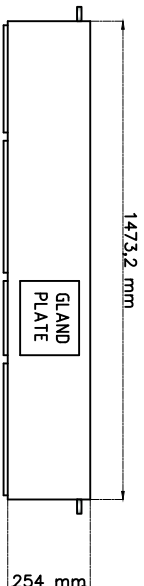
Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
1.1	2 Module (75mmX75mm)	Each	10		
1.2	4 Module (125mmX75mm)	Each	33		
1.3	6 Module (200mmX75mm)	Each	31		
1.4	8 Module (250mmX75mm)	Each	12		
1.5	12 Module (400mmX75mm)	Each	22		
2	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor				
2.1	1 Sqmm	Mtr.	330		
2.2	1.5 Sqmm	Mtr.	165		
2.3	3C 1.5 Sqmm with Earth wire	Mtr.	580		
2.4	3C 2.5 Sqmm with Earth wire	Mtr.	650		
2.5	3C 4 Sqmm with Earth wire	Mtr.	880		
3	Supplying following modular switch/ socket				
3.1	32A socket outlet with 32A switch	Each	33		
3.2	3 pin 5/6 amp socket outlet	Each	140		
3.3	10A switch for sockets	Each	140		
3.4	6A switch lights	Each	75		
3	1" PVC Conduit	Mtr.			
4	Bends	Each			
5	1" Channel	Mtr.			

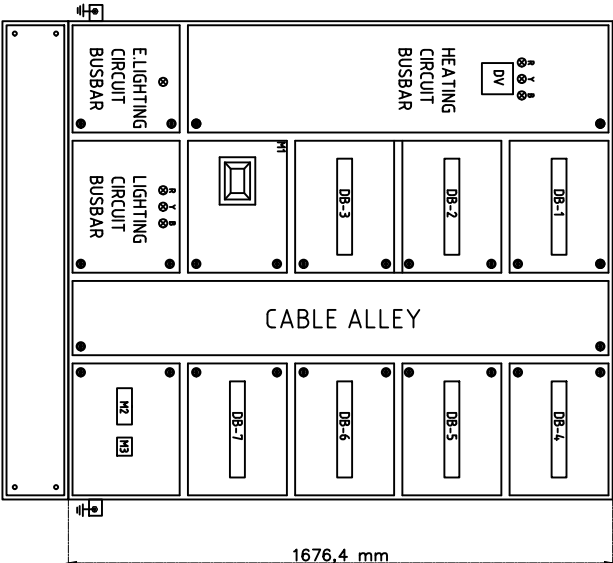
To be provided by Electrician.

- Note:**
- Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.
 - Material list doesn't include SMDB (Sub main distribution board, circuit breakers etc.)
 - Separate material list to be provided for SMDB, MDB (Main Distribution Board), Cable from MDB to SMDB, Main L/T cable from transformer etc.
 - Material List doesn't include lights (Luminaries). Will be provided after finalizing the position of installation (weather roof mounted or wall mounted to be used). Although light type and quantity is provided in the lighting design drawing as per roof mounted lights.

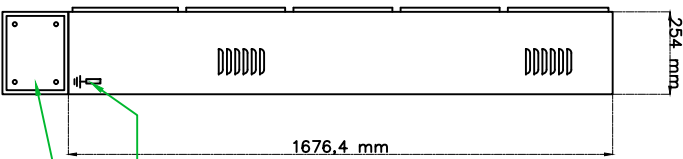
SHEET THICKNESS: 18 GAUGE OR 16 GAUGE (WHERE EVER NECESSARY)



TOP VIEW



FRONT VIEW



SIDE VIEW

- INDOOR TYPE FLOOR MOUNTED PANEL
- M1 MCCB 200A TPN 35KA (HEATING CIRCUIT),
 - M2 MCB 32A TPN 10KA (LIGHTING CIRCUIT),
 - M3 MCB 40A SPN 10KA (E. LIGHTING CIRCUIT),
 - DB-1 TO DB-3 (16WAY) RCBO SPN (30mA) 32A x 22 + SPACE (HEATING CIRCUIT),
 - DB-4 TO DB-5 (16WAY) RCBO SPN (30mA) 10A x 12 + SPACE (LIGHTING CIRCUIT),
 - DB-6 TO DB-7 (16WAY) RCBO SPN (30mA) 6A x 12 + SPACE (E. LIGHTING CIRCUIT),
 - DV DIGITAL VOLTMETER,
 - HEATING CIRCUIT B.B. TPN AL. 40X5 BUSBAR,
 - LIGHTING CIRCUIT TPN AL. 25X3 BUSBAR,
 - E. LIGHTING CIRCUIT SPN AL. 25X3 BUSBAR.

25X3 Cu. EARTH BUSBAR

Stand

DRAWN: AARIF	DESIGNED: AARIF	SCALE: AS SHOWN	DATE: 24/05/2023	CLIENT NAME: What Medical Centre, Malappuram, Singapore
CHECKED CAD: _____		DRAWING NO: KAC/MMC/P.D./002	REV: 0	TITLE: SMDB PANEL DRAWING
CHECKED QUALITY: _____				Block A- GF (ENSUITE 1)
APPROVED: _____				

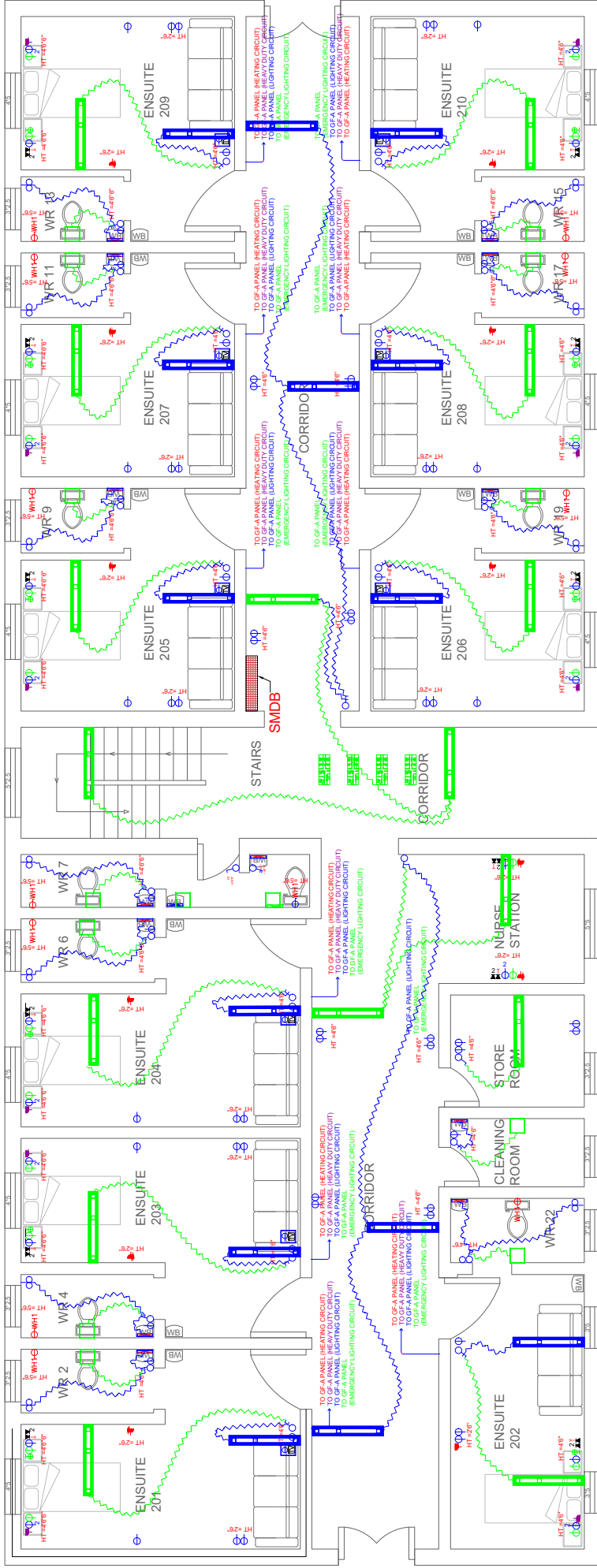
KASHMIRANDCO DESIGN AND ENGINEERING PVT. LTD.

kashmirandco
DESIGN AND ENGINEERING

2nd Floor- Zito Complex,
90 feet, Jnk road, Srinagar,
Jammu and Kashmir.
Phone: 190011
Tel: +91-6005916475

BLOCK A

First Floor



CLIENT NAME:

Wular Medical Centre, Muzam, Sopore.



2nd Floor-2/a Complex,
90 feet, link road, Sopore,
Jammu and Kashmir.
Pincode: 180001
Tel: +91-6008816475

TITLE :
Electrical Layout Drawing
Block A (ENSUITE FIRST FLOOR)

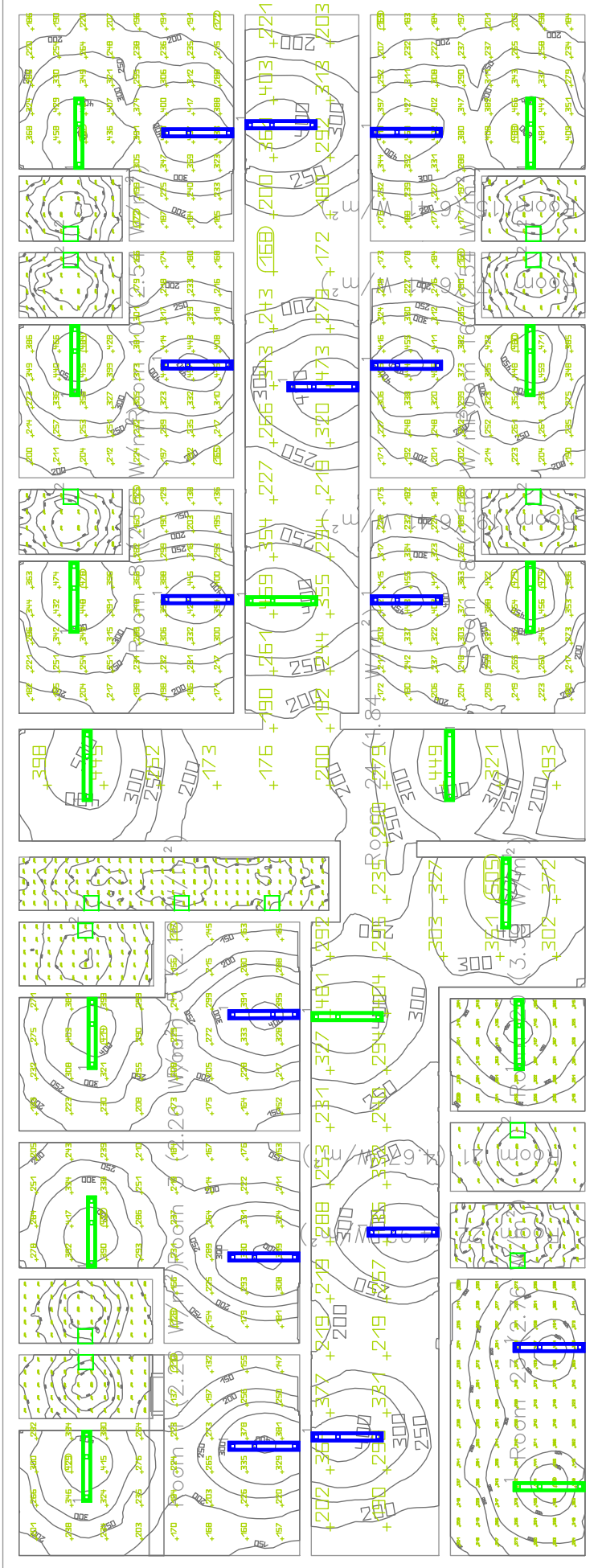
DRWN:	DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
CHECKED/CAD:	DRAWING NO:				REV.
CHECKED/QUALITY:	KAC/MC/A-001				0
APPROVED:					

LEGENDS

	HEAVY DUTY RECEPTACLE OUTLET (3AMP 220V 2P+E WITH SWITCH)
	WALL MOUNTED MIRROR LIGHT
	WALL MOUNTED BED LIGHT
	PVC PIPE CONCEALED
	8P AMP 220V 2PHE SOCKET OUTLET WITH 10A SWITCH
	PLATE SWITCHES 8 AMP FLUSH MOUNTED ONE GANGS: TWO WAY 220V
	16P SOCKET OUTLET (8P FLUSH MOUNTED) THREE GANGS: ONE WAY 220V
	16P SOCKET OUTLET (8P FLUSH MOUNTED) WITH LAMP AND SWITCH
	EXHAUST FAN WALL MOUNTED
	HEATING RECEPTACLE OUTLET (16AMP 220V 2PHE WITH SWITCH)
	NORMAL LED LIGHT SURFACE MOUNTED
	EMERGENCY LED LIGHT SURFACE MOUNTED
	CEILING BREAKER
	RJ45 DATA SOCKET OUTLET
	RJ45 TELEPHONE SOCKET OUTLET
	15mm x 25mm TRUNKING AT TOP
	15mm x 25mm TRUNKING AT BOTTOM
	NORMAL LED LIGHT SURFACE MOUNTED

LEGENDS

	Cable 1.5mm² 2C + Earth for Emergency Lighting
	Cable 2.5mm² 2C + Earth for Lighting Circuit
	Cable 4mm² 2C + Earth for Heating Circuit
	Cable 4mm² 2C + Earth for Heavy Duty Circuit
	Wire 1mm² 1C
	Wire 1mm² 1C



Luminaire list (Building 1, Storey 1)

Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Maintenance factor	Connected load	Quantity
1	Philips	SM341C PSD L1500 1		1x 285/940	2600 lm	0.80	21.5 W	30
2	Parasonic	Ceilingroom (IMBUE)	PCRM03184	1x LED	1350 lm	0.80	18 W	14

#	Room	Perimeter (m)	Area (sq m)	Vol (cu m)	Min	Average	Min/Average	Max/Average
1	Reception area (RECEPTION)	120.0	450.0	2700.0	0.40	0.32	0.32	0.32
2	Waiting area (WAITING)	180.0	360.0	2160.0	0.75	0.54	0.54	0.54
3	Director's office (DIRECTOR'S OFFICE)	120.0	450.0	2700.0	0.40	0.32	0.32	0.32
4	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
5	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
6	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
7	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
8	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
9	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
10	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
11	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
12	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
13	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
14	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
15	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
16	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
17	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
18	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
19	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
20	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
21	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
22	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
23	Waiting area (WAITING)	120.0	360.0	2160.0	0.75	0.54	0.54	0.54
24	Corridor (CORRIDOR)	140.0	350.0	2100.0	0.80	0.56	0.56	0.56

CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.

2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-9053016475

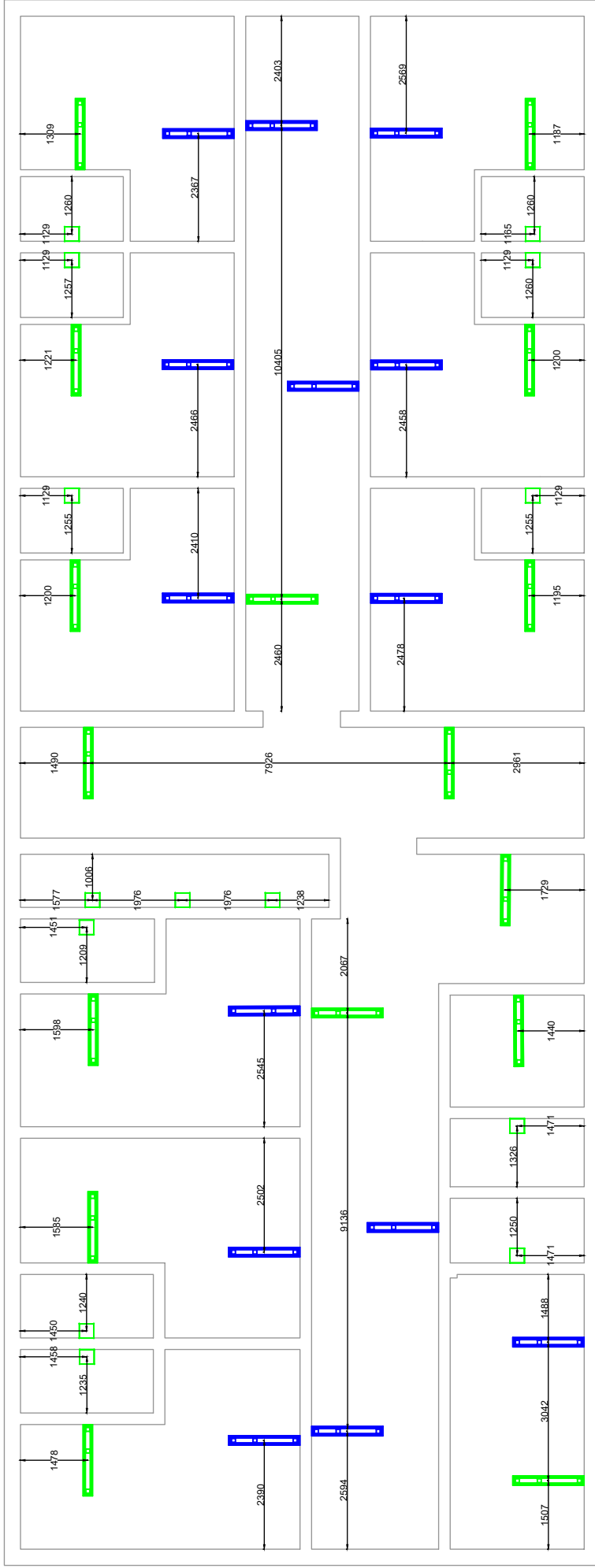
kashmirandco
DESIGN AND ENGINEERING

TITLE :
Lighting Lux Layout Drawing
Block A (ENSUITE FIRST FLOOR)

SCALE: AS SHOWN DATE: 22/03/2023
DRAWING NO: _____
DESIGNED: _____
CHECKED: _____
APPROVED: _____

REV: _____
QC/MK/A-001
0

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm)



CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.

**2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-9058016475**

kashmirandco
DESIGN & ENGINEERING

TITLE :
Preliminary Electrical Layout Drawing
Block A (FIRST FLOOR)

SCALE: AS SHOWN DATE: 22/03/2023

DRAWN: DESIGNED: DRAWING NO: REV: 0

CHECKED: DATE: CHECKED QUALITY: MC/MKC/A-001 APPROVED:

LEGENDS

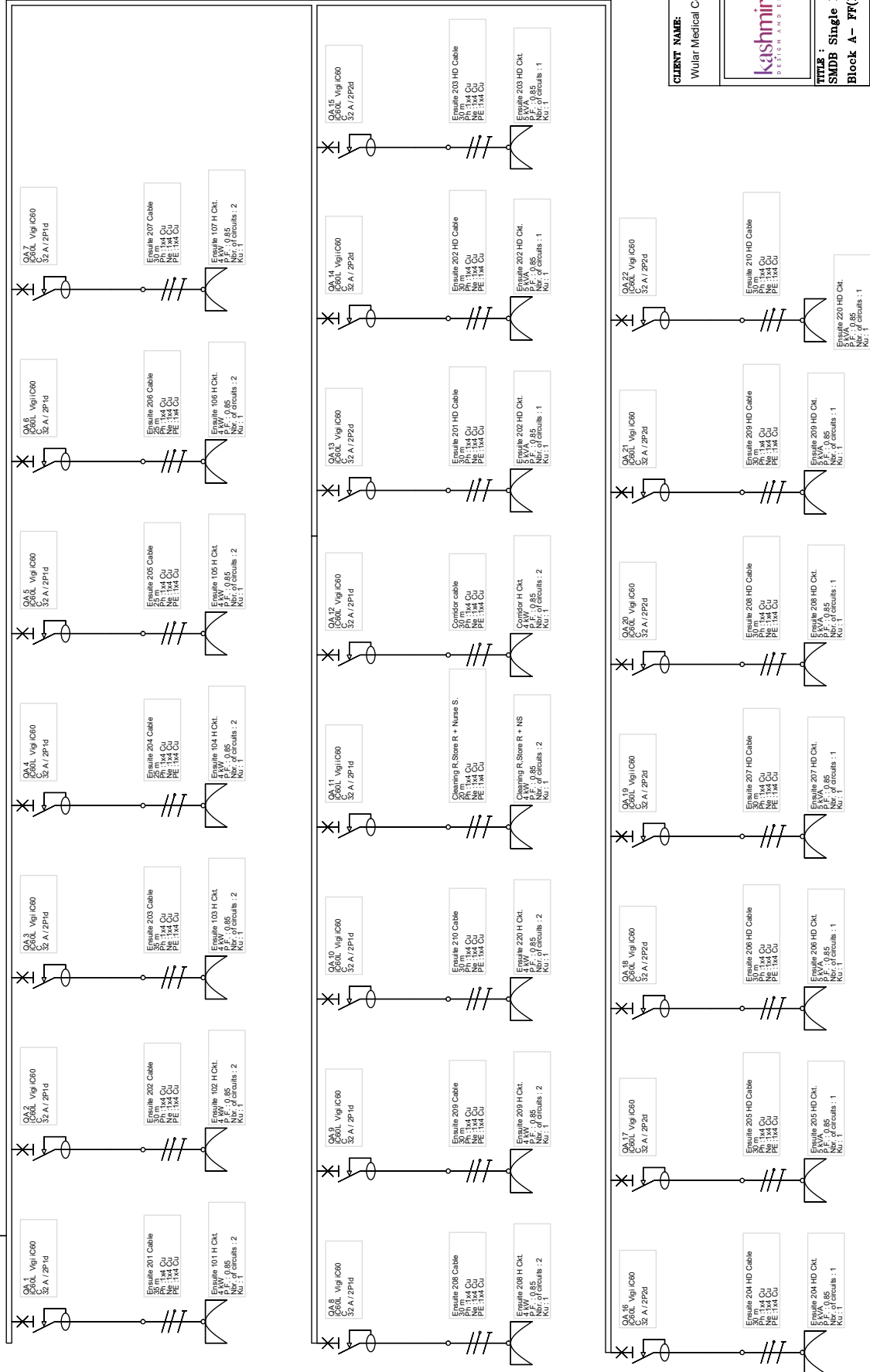
	Cable 1.5mm ² 2C + Earth for Emergency Lighting
	Cable 2.5mm ² 2C + Earth for Lighting Circuit
	Cable 4mm ² 2C + Earth for Heating Circuit
	Cable 6mm ² 2C + Earth for Heavy Duty Circuit
	Wire 6mm ² 1C
	Wire 10mm ² 1C

LEGENDS

	HEAVY DUTY RECEPTACLE OUTLET (32AMP, 220V, 2P+E WITH SWITCH)
	WALL MOUNTED MIRROR LIGHT
	WALL MOUNTED BED LIGHT
	20AMP 220V 2P+E SOCKET OUTLET WITH 10A SWITCH
	TV OUTLET
	PLATE SWITCHES 6 AMP FLUSH MOUNTED ONE GANGS, TWO WAY 220V
	PLATE SWITCHES 6 AMP FLUSH MOUNTED THREE GANGS, ONE WAY 220V
	RECEPTACLE OUTLET 20AMP WITH PILOT LAMP AND SWITCH
	EXHAUST FAN, WALL MOUNTED
	HEATING RECEPTACLE OUTLET (16AMP, 220V, 2P+E WITH SWITCH)
	NORMAL LED LIGHT SURFACE MOUNTED
	EMERGENCY LED LIGHT SURFACE MOUNTED
	CEILING SPEAKER
	DATA SOCKET OUTLET
	BASE TELEPHONE SOCKET OUTLET
	60mmx60mm TRUNKING AT HEIGHT OF 4 FEET
	60mmx60mm TRUNKING AT TOP
	60mmx60mm TRUNKING AT TOP
	Isolated Clear Circuit Breaker
	NORMAL LED LIGHT SURFACE MOUNTED

5P FA H.C.
 MCB
 200 A / 16-4P
 PE: 13/70 A

MCB
 200 A / 16-4P
 PE: 13/70 A



CLIENT NAME:
 Wular Medical Centre, Muqam, Sopore.



2nd Floor-7th Complex,
 90 feet, Iik road, Shogor,
 Jammu and Kashmir.
 Pincode: 190011
 Tel: +91-9850816475

DESIGNED:	SCALE:	AS SHOWN	DATE:
			22/03/2023
CHECKED/DRAWN:	DRAWING NO.:	REV.:	
APPROVED:	CHECKED/DRAWN:	REV.:	

FILE #
SMDB Single Line Diagram (SLD)
Block A - FF(Ensuite First Floor)

BLOCK A FF

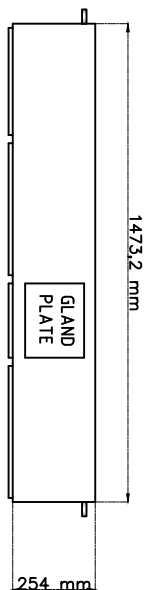
Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
1.1	2 Module (75mmX75mm)	Each	10		
1.2	4 Module (125mmX75mm)	Each	33		
1.3	6 Module (200mmX75mm)	Each	31		
1.4	8 Module (250mmX75mm)	Each	12		
1.5	12 Module (400mmX75mm)	Each	22		
2	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor				
2.1	1 Sqmm	Mtr.	330		
2.2	1.5 Sqmm	Mtr.	165		
2.3	3C 1.5 Sqmm with Earth wire	Mtr.	580		
2.4	3C 2.5 Sqmm with Earth wire	Mtr.	650		
2.5	3C 4 Sqmm with Earth wire	Mtr.	880		
3	Supplying following modular switch/ socket				
3.1	32A socket outlet with 32A switch	Each	33		
3.2	3 pin 5/6 amp socket outlet	Each	140		
3.3	10A switch for sockets	Each	140		
3.4	6A switch lights	Each	75		
3	1" PVC Conduit	Mtr.			
4	Bends	Each			
5	1" Channel	Mtr.			

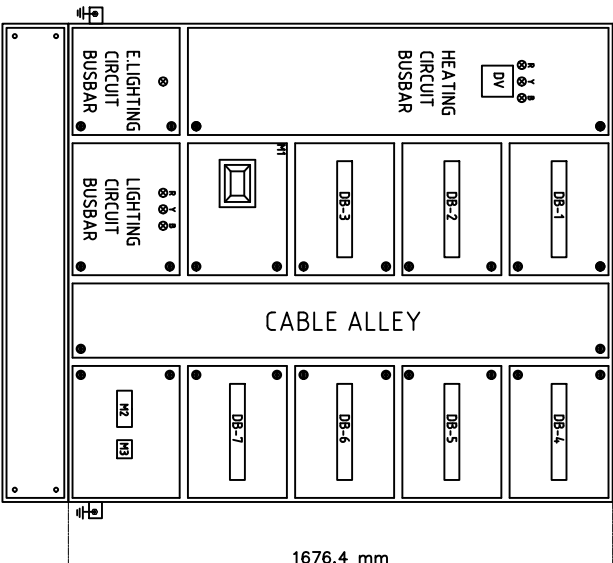
To be provided by Electrician.

- Note:**
- Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.
 - Material list doesn't include SMDB (Sub main distribution board, circuit breakers etc.)
 - Separate material list to be provided for SMDB, MDB (Main Distribution Board), Cable from MDB to SMDB, Main L/T cable from transformer etc.
 - Material List doesn't include lights (Luminaries). Will be provided after finalizing the position of installation (weather roof mounted or wall mounted to be used). Although light type and quantity is provided in the lighting design drawing as per roof mounted lights.

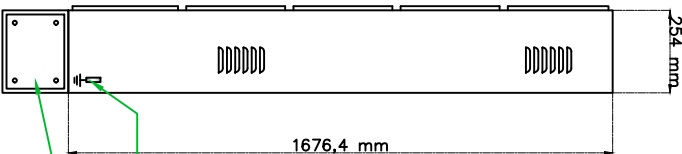
SHEET THICKNESS: 18 GAUGE OR 16 GAUGE (WHERE EVER NECESSARY)



TOP VIEW



FRONT VIEW



SIDE VIEW

- INDOOR TYPE FLOOR MOUNTED PANEL.**
- M1 MCCB 200A TPN 35KA (HEATING CIRCUIT).
 - M2 MCB 32A TPN 10KA (LIGHTING CIRCUIT).
 - M3 MCB 40A SPN 10KA (E. LIGHTING CIRCUIT).
 - DB-1 TO DB-3 (16WAY) RCBO SPN (30mA) 32A x 22 + SPACE (HEATING CIRCUIT).
 - DB-4 TO DB-5 (16WAY) RCBO SPN (30mA) 10A x 12 + SPACE (HEATING CIRCUIT).
 - DB-6 TO DB-7 (16WAY) RCBO SPN (30mA) 6A x 12 + SPACE (E. LIGHTING CIRCUIT).
 - DV DIGITAL VOLTMETER.
 - HEATING CIRCUIT B.B. TPN AL. 40x5 BUSBAR.
 - LIGHTING CIRCUIT TPN AL. 25X3 BUSBAR.
 - ELIGHTING CIRCUIT SPN AL. 25X3 BUSBAR.

25x3 Cu. EARTH
BUSBAR
Stand

DRAWN: AARIF	DESIGNED: AARIF	SCALE: AS SHOWN	DATE: 24/05/2023	CLIENT NAME: What Medical Centre, Malappur, Sogore
CHECKED CAD: _____		DRAWING NO: KAC/MMC/P.D./003	REV: 0	TITLE: SMDB PANEL DRAWING
CHECKED QUALITY: _____				Block A- PF (ENSUITE 2)
APPROVED: _____				

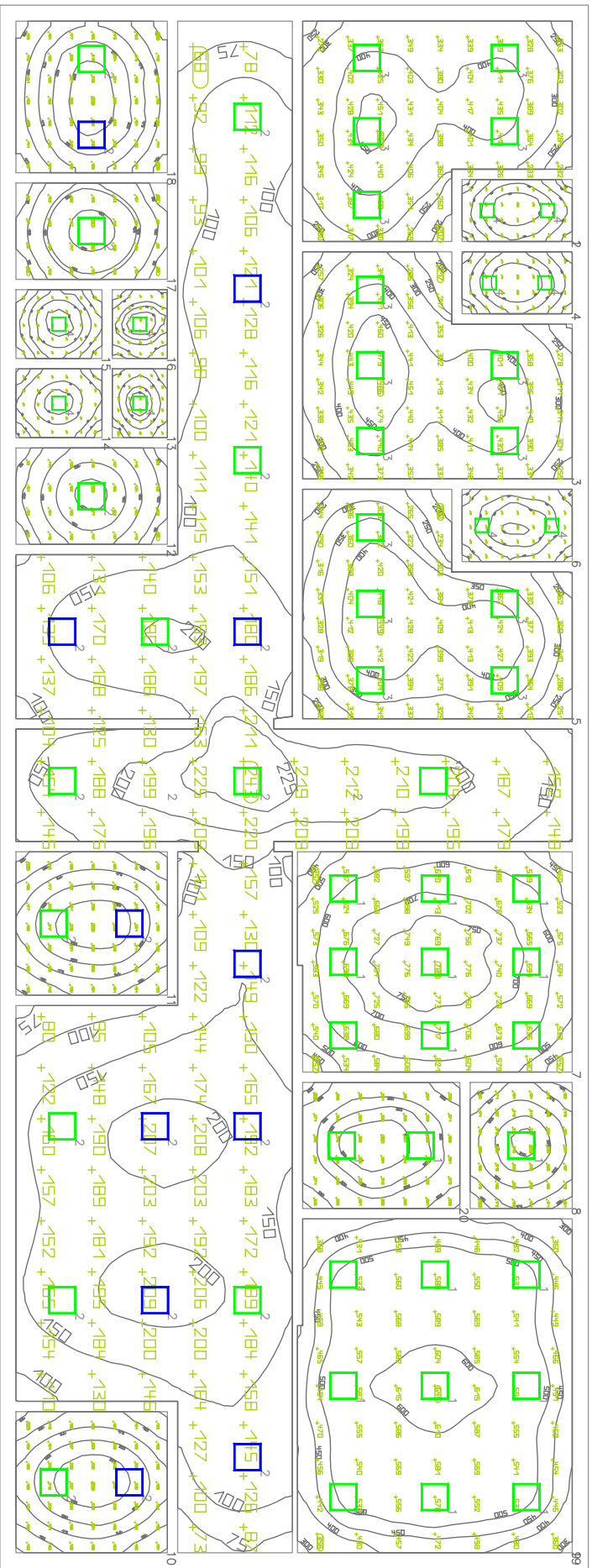
KASHMIRANDCO DESIGN AND ENGINEERING PVT. LTD.

Kashmirandco
DESIGN AND ENGINEERING

2nd Floor- Zito Complex,
90 feet, Btk road, Srinagar,
Jammu and Kashmir.
Phone: 190011
Tel: +91-6005916475

BLOCK A

Second Floor



#	Name	Manufacturer	Unit	Size	Average	Min/Average	Max/Min
1	LED 1	Paragon LED	177 H	408 H	208 H	0.69	0.39
2	WH 1	Paragon LED	121 H	497 H	148 H	0.82	0.72
3	LED 3	Paragon LED	184 H	497 H	272 H	0.69	0.38
4	WH 2	Paragon LED	122 H	175 H	148 H	0.82	0.72
5	LED 3	Paragon LED	173 H	409 H	203 H	0.69	0.38
6	WH 3	Paragon LED	118 H	181 H	141 H	0.84	0.74
7	OT 1	Paragon LED	408 H	291 H	442 H	0.83	0.50
8	WASH AREA (Room 207)	Paragon LED	152 H	242 H	198 H	0.77	0.63
9	OT 2	Paragon LED	288 H	448 H	512 H	0.97	0.66
10	ROOM 3	Paragon LED	122 H	241 H	198 H	0.68	0.59
11	ROOM 2	Paragon LED	122 H	241 H	145 H	0.68	0.61
12	CHANGE ROOM 1	Paragon LED	82.7 H	152 H	129 H	0.64	0.65
13	WH 4	Paragon LED	81.2 H	80.2 H	80.3 H	0.80	0.82
14	WH 5	Paragon LED	64.8 H	97.4 H	49.4 H	0.81	0.79
15	WH 6	Paragon LED	71.8 H	67.2 H	62.7 H	0.83	0.73
16	WH 7	Paragon LED	82.2 H	88.8 H	80.3 H	0.82	0.80
17	CHANGE ROOM 1	Paragon LED	81.8 H	140 H	119 H	0.69	0.61
18	ROOM 1	Paragon LED	115 H	238 H	181 H	0.64	0.48
19	COMMON (WASH AREA 207)	Paragon LED	62.2 H	244 H	198 H	0.59	0.55
20	WASH AREA (Room 207)	Paragon LED	221 H	271 H	203 H	0.73	0.60

Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Maintenance factor	Connected load	Quantity
1	Panasonic	Barelight (SCANITO PLUS)	PBLM21364	1x LED	4140 lm	0.80	36 W	21
2	Panasonic	Barelight (SCANITO PLUS)	PBLM21203	1x LED	2400 lm	0.80	20 W	28
3	Panasonic	Barelight (SCANITO PLUS)	PBLM22388	1x LED	3600 lm	0.80	36 W	15
4	Panasonic	Cherromon (MBUE)	PCSCM03164	1x LED	1350 lm	0.80	18 W	10

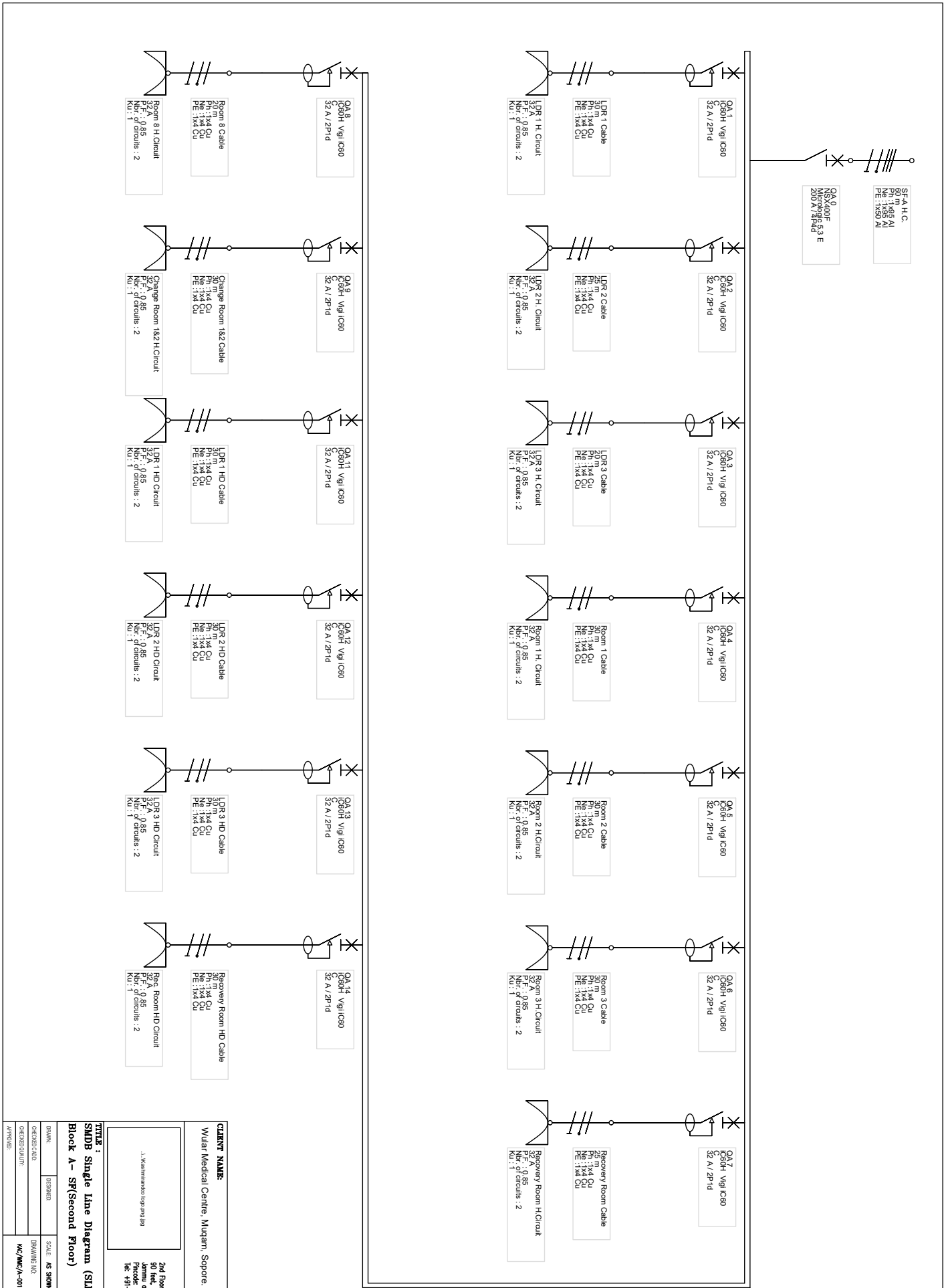
Luminaire list (Building 1, Storey 1)

CLIENT NAME:
Vivitar Medical Centre, Mulgani, Sapore.

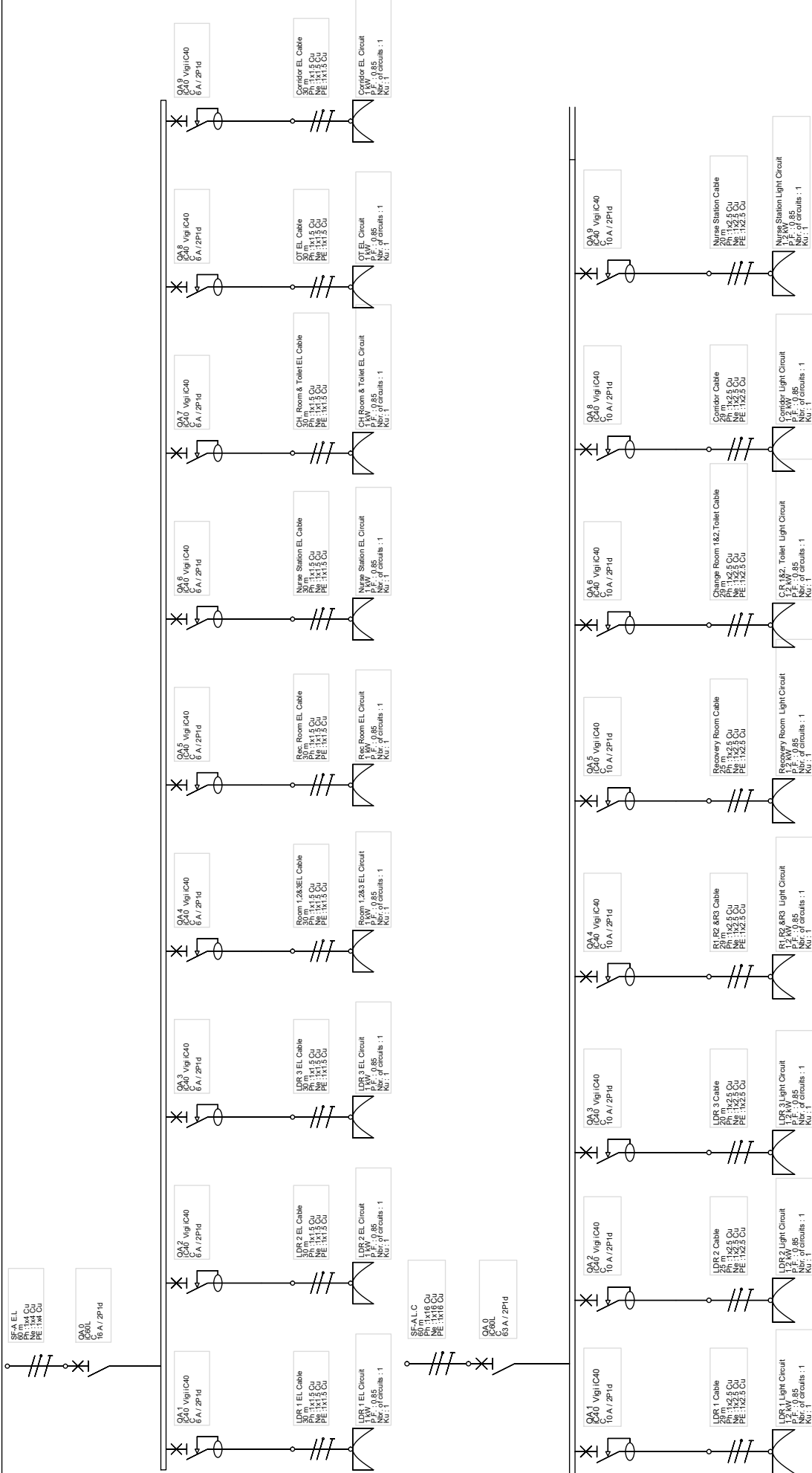
kashmirrindco
DESIGN AND ENGINEERING
2nd Floor-Zee Complex,
90 feet, the road, Sapore,
Jammu and Kashmir,
Pincode: 180011
No. 973 808384/75

TTTA :
Lighting Lux Layout Drawing
Block A (SECOND FLOOR OT)

DATE: 22.03.2023	SCALE: AS SHOWN	DATE: 22.03.2023
DRAWING NO: KCM/MA/1-001	DESIGNED: [Signature]	REVISION: 0
CHECKED QUALITY: [Signature]	APPROVED: [Signature]	



CLIENT NAME: Wular Medical Centre, Madgam, Sopore.	
L. Wular Medical Sopore 19130 2nd Floor-2a Complex, 3rd Floor, 1st road, Sopore, Pincode: 190011 Tel: +91-9008986475	
TITLE : SMDB Single Line Diagram (SLD) Block A - SF(Second Floor)	
DESIGNED	SCALE: AS SHOWN
CHECKED/DRAWN	DATE: 22/03/2023
APPROVED	DRAWING NO: KAC/MWC/A-001
	REV: 0



CLIENT NAME:

Wular Medical Centre, Muqam, Sopore.



2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-9850816475

TITLE :
SMDB Single Line Diagram (SLD)
Block A - SF(Second Floor)

DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
DRAWN:	CHECKED:	QA01	APPROVED:	
CHECKED QUALITY:	KAC/MKC/A-01		REV:	0

BLOCK A SF

Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
1.1	2 Module (75mmX75mm)	Each	10		
1.2	4 Module (125mmX75mm)	Each	21		
1.3	6 Module (200mmX75mm)	Each	16		
1.4	8 Module (250mmX75mm)	Each	6		
1.5	12 Module (400mmX75mm)	Each	15		
2	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor				
2.1	1 Sqmm	Mtr.	330		
2.2	1.5 Sqmm	Mtr.	120		
2.3	3C 1.5 Sqmm with Earth wire	Mtr.	120		
2.4	3C 2.5 Sqmm with Earth wire	Mtr.	150		
2.5	3C 4 Sqmm with Earth wire	Mtr.	275		
3	Supplying following modular switch/ socket				
3.1	32A socket outlet with 32A switch	Each	22		
3.2	3 pin 5/6 amp socket outlet	Each	110		
3.3	10A switch for sockets	Each	110		
3.4	6A switch lights	Each	40		
3	1" PVC Conduit	Mtr.			
4	Bends	Each			
5	1" Channel	Mtr.			

1. Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.

2. Material list doesn't include SMDB (Sub main distribution board, circuit breakers etc.).

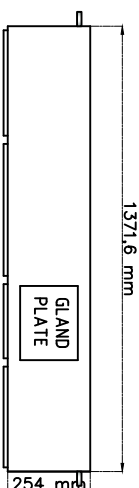
3. Separate material list to be provided for SMDB, MDB (Main Distribution Board), Cable from MDB to SMDB, Main LT cable from transformer etc.

4. Material List doesn't include lights (Luminaries). Will be provided after finalizing the position of installation (weather roof mounted or wall mounted to be used). Although light type and quantity is provided in the lighting design drawing as per roof mounted lights.

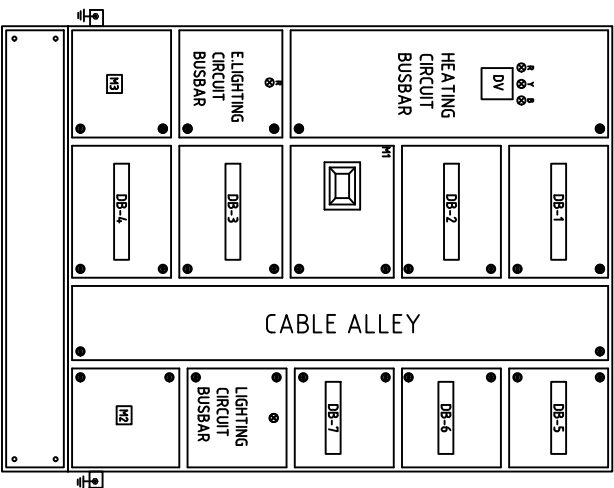
Note:

To be provided by Electrician.

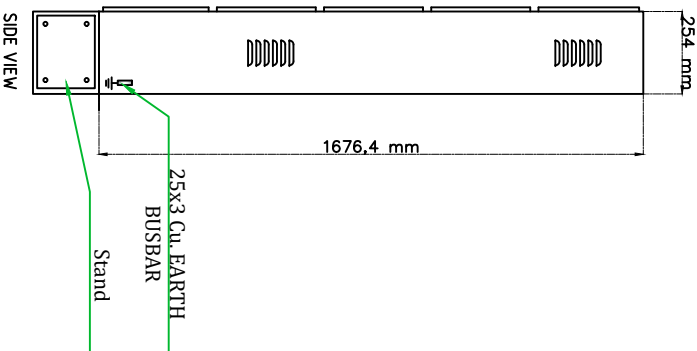
SHEET THICKNESS: 18 GAUGE OR 16 GAUGE (WHERE EVER NECESSARY)



TOP VIEW



FRONT VIEW



SIDE VIEW

INDOOR TYPE FLOOR MOUNTED PANEL.

- M1 MCCB 200A TPN 35KA (HEATING CIRCUIT).
- M2 MCB 63A SPN 10KA (LIGHTING CIRCUIT).
- M3 MCB 16A SPN 10KA (E. LIGHTING CIRCUIT).
- DB-1 TO DB-2 (16WAY) RCBO SPN (30mA) 32A X 14 + SPACE (HEATING CIRCUIT).
- DB-5 TO DB-7 (12WAY) RCBO SPN (30mA) 10A X 9 + SPACE (LIGHTING CIRCUIT).
- DB-3 TO DB-4 (16WAY) RCBO SPN (30mA) 6A X 9 + SPACE (E.LIGHTING CIRCUIT).
- DV DIGITAL VOLT METER.
- HEATING CIRCUIT B.B. TPN A.L. 40X5 BUSBAR.
- LIGHTING CIRCUIT B.B. SPN A.L. 25X3 BUSBAR.
- ELIGHTING CIRCUIT B.B. SPN A.L. 25X3 BUSBAR.

DRAWN: AARIF	DESIGNED: AARIF	SCALE: AS SHOWN	DATE: 24/05/2023	CLIENT NAME: What Medical Centre, Malappuram, Singapore.
CHECKED CAD: _____		DRAWING NO: KAC/MMC/P.D./004	REV: 0	TITLE: SMDB PANEL DRAWING
CHECKED QUALITY: _____				Block A- SF (OT)
APPROVED: _____				

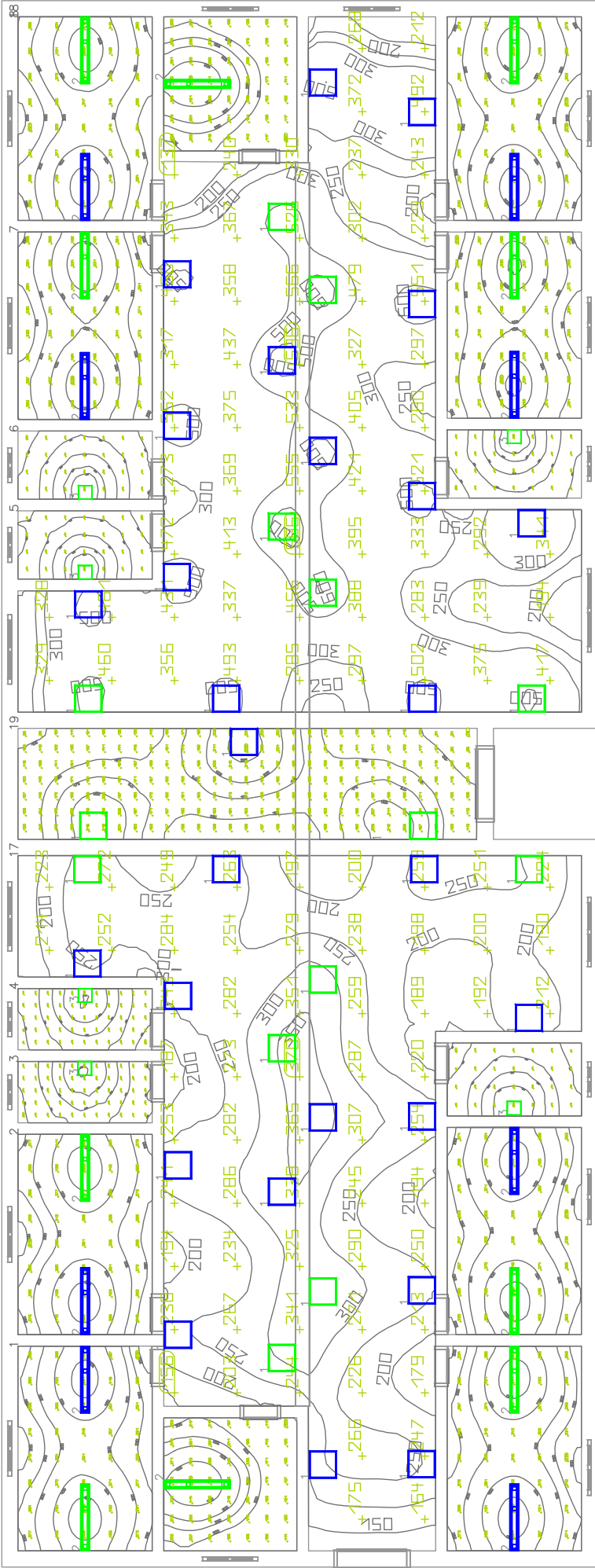
KASHMIRANDCO DESIGN AND ENGINEERING PVT. LTD.

kashmirandco
DESIGN AND ENGINEERING

2nd Floor- Zito Complex,
90 feet, Ink road, Srinagar,
Jammu and Kashmir.
Phone: 190011
Tel: +91-6005816475

BLOCK B

Ground Floor



Luminaire list (Building 2, Storey 1)

Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Maintenance factor	Connected load	Quantity
1	Panasonic	Baselight (SCANTO PLUS)	PBLM21203	1x LED	2400 lm	0.80	20 W	41
2	Philips	SM341C PSD L1500 1x26S/940 O		1x 26S/940	2600 lm	0.80	21.5 W	18
3	Panasonic	Cleanroom (IMBUE)	PCRM03184	1x LED	1350 lm	0.80	18 W	6

#	Name	Parameter	Min	Max	Average	Min/Average	Max/Average
1	Working plane (OPD 1)	Apparent Illuminance (Adaptation)	170 lx	548 lx	548 lx	0.49	0.31
2	Working plane (OPD 2)	Apparent Illuminance (Adaptation)	188 lx	552 lx	504 lx	0.53	0.34
3	Working plane (OPD 3)	Apparent Illuminance (Adaptation)	93.1 lx	303 lx	175 lx	0.53	0.31
4	Working plane (OPD 4)	Apparent Illuminance (Adaptation)	82.7 lx	303 lx	178 lx	0.47	0.27
5	Working plane (OPD 5)	Apparent Illuminance (Adaptation)	77.8 lx	298 lx	167 lx	0.47	0.26
6	Working plane (OPD 6)	Apparent Illuminance (Adaptation)	88.3 lx	297 lx	168 lx	0.53	0.30
7	Working plane (OPD 7)	Apparent Illuminance (Adaptation)	192 lx	595 lx	371 lx	0.52	0.34
8	Working plane (OPD 8)	Apparent Illuminance (Adaptation)	192 lx	554 lx	349 lx	0.55	0.35
9	Working plane (OPD 9)	Apparent Illuminance (Adaptation)	98.8 lx	485 lx	240 lx	0.42	0.21
10	Working plane (OPD 10)	Apparent Illuminance (Adaptation)	190 lx	548 lx	349 lx	0.52	0.33
11	Working plane (OPD 11)	Apparent Illuminance (Adaptation)	202 lx	553 lx	372 lx	0.54	0.36
12	Working plane (OPD 12)	Apparent Illuminance (Adaptation)	78.2 lx	298 lx	167 lx	0.47	0.26
13	Working plane (OPD 13)	Apparent Illuminance (Adaptation)	72.2 lx	295 lx	161 lx	0.45	0.24
14	Working plane (OPD 14)	Apparent Illuminance (Adaptation)	189 lx	542 lx	342 lx	0.55	0.35
15	Working plane (OPD 15)	Apparent Illuminance (Adaptation)	189 lx	548 lx	349 lx	0.55	0.35
16	Working plane (OPD 16)	Apparent Illuminance (Adaptation)	96.5 lx	484 lx	238 lx	0.42	0.21
17	Working plane (OPD 17)	Apparent Illuminance (Adaptation)	121 lx	375 lx	250 lx	0.48	0.32
18	Working plane (OPD 18)	Apparent Illuminance (Adaptation)	129 lx	442 lx	360 lx	0.54	0.35
19	Working plane (OPD 19)	Apparent Illuminance (Adaptation)	77.1 lx	233 lx	161 lx	0.48	0.33

CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.

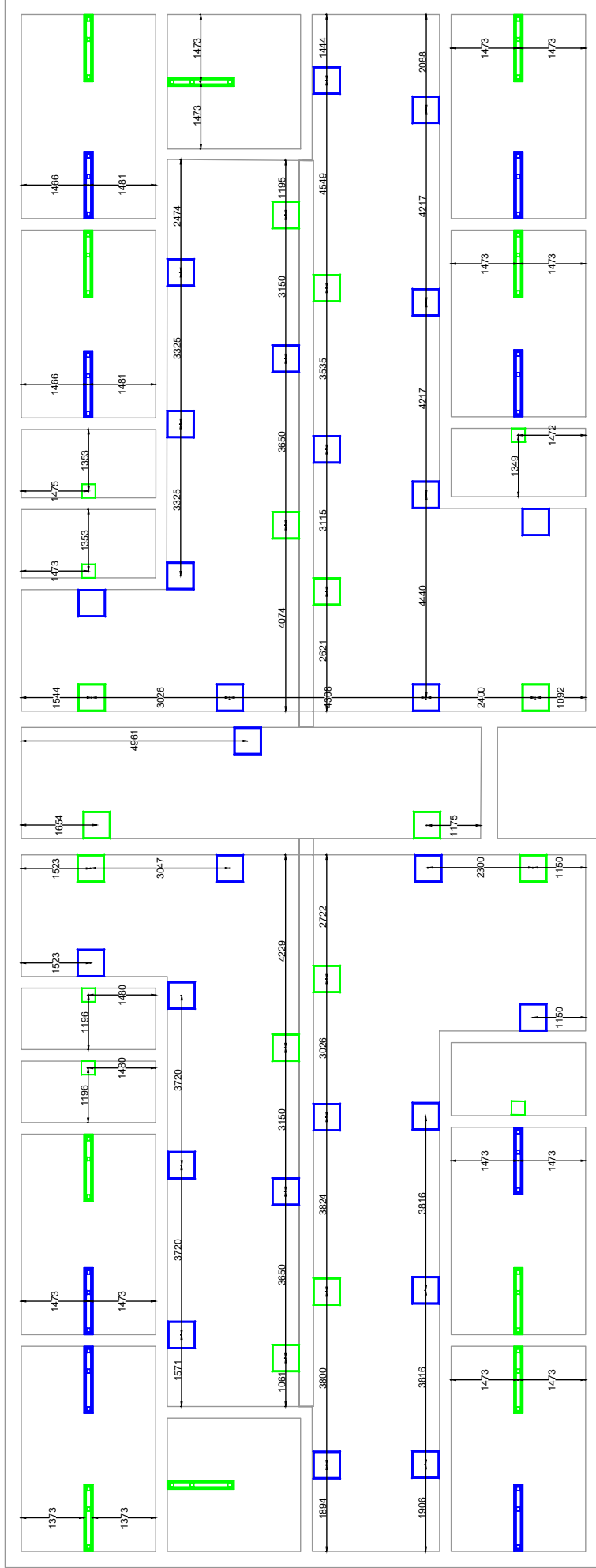
**2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir,
Pincode- 190011
Tel: +91-980816475**

kashmirandco
DESIGN AND ENGINEERING

TITLE :
Lighting Lux Layout Drawing
Block B – GF (OPD)

SCALE: AS SHOWN DATE: 22/03/2023
DRAWING NO: KAC/MKC/A-001
CHECKED/DRAWN: DESIGNED: REV: 0
APPROVED:

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm)



CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.

2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-9058016475

kashmirandco
DESIGN & ENGINEERING

TITLE :
Preliminary Electrical Layout Drawing
Block B (GROUND FLOOR)

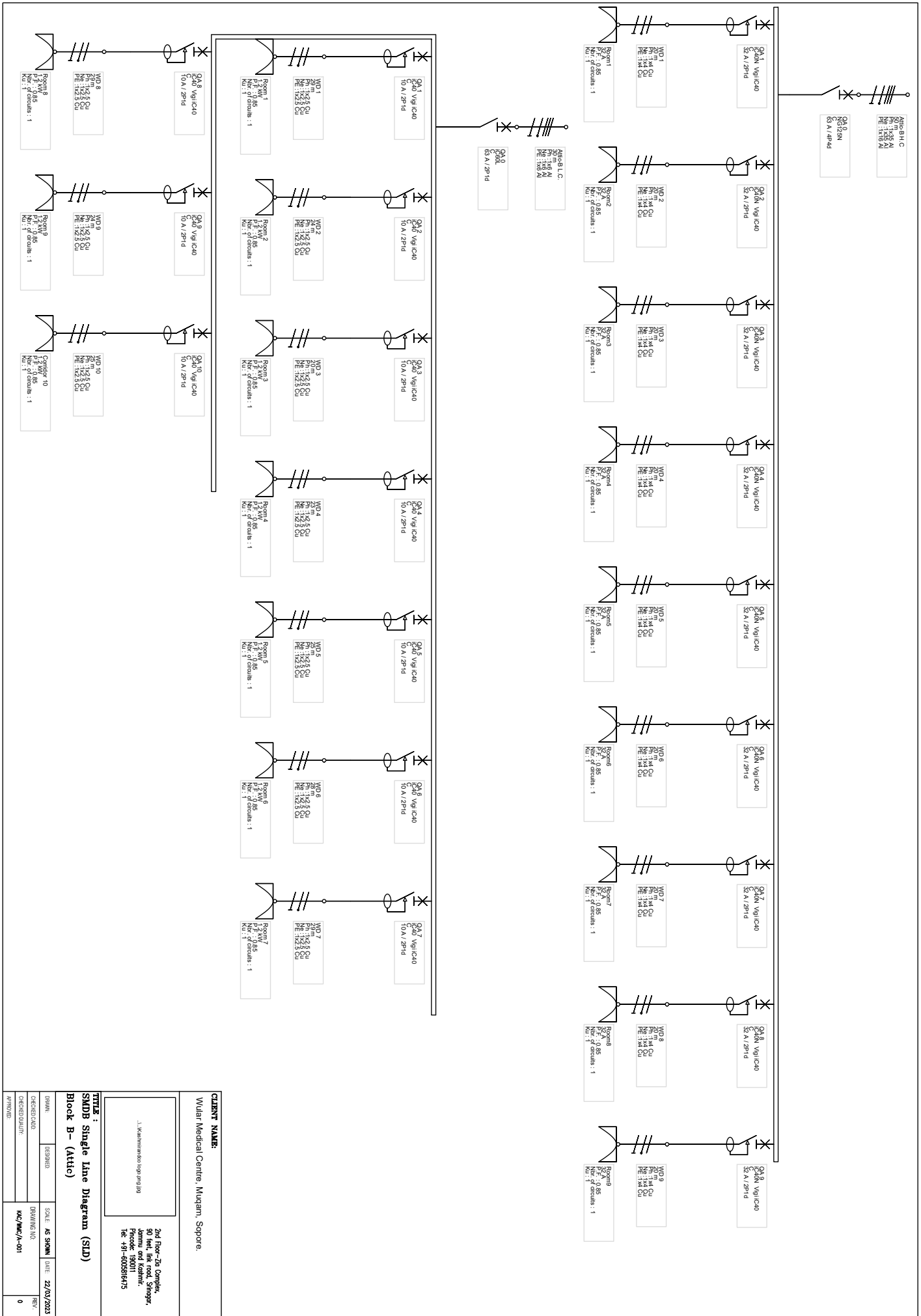
DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
DRAWN:	CHECKED:	DATE:		
APPROVED:				

REVISIONS:

NO.	DESCRIPTION	DATE
0		

LEGENDS	
	Cable 1.5mm ² 2C + Earth for Emergency Lighting
	Cable 2.5mm ² 2C + Earth for Lighting Circuit
	Cable 4mm ² 2C + Earth for Heating Circuit
	Cable 4mm ² 2C + Earth for Heavy Duty Circuit
	Wire 6mm ² 1C
	Wire 10mm ² 1C

LEGENDS	
	HEAVY DUTY RECEPTACLE OUTLET 13AMP 220V 2P+PE WITH SWITCH
	WALL MOUNTED MIRROR LIGHT
	WALL MOUNTED BED LIGHT
	TV OUTLET
	DATA SOCKET OUTLET WITH IDA SWITCH
	PLATE SWITCHES 6 AMP FLUSH MOUNTED ONE GANGS, TWO WAY 220V
	RECEPTACLE OUTLET 20AMP WITH PILOT LAMP AND SWITCH
	EXHAUST FAN, WALL MOUNTED
	HEATING RECEPTACLE OUTLET 16AMP 220V 2P+PE WITH SWITCH
	NORMAL LED LIGHT SURFACE MOUNTED
	EMERGENCY LED LIGHT SURFACE MOUNTED
	CEILING SPEAKER
	DATA SOCKET OUTLET
	BARE TELEPHONE SOCKET OUTLET
	50mmx50mm TRUNKING AT HEIGHT OF 4 FEET
	100mmx50mm TRUNKING AT TOP
	150mmx50mm TRUNKING AT TOP
	Socket Clear Circuit Breaker
	NORMAL LED LIGHT SURFACE MOUNTED

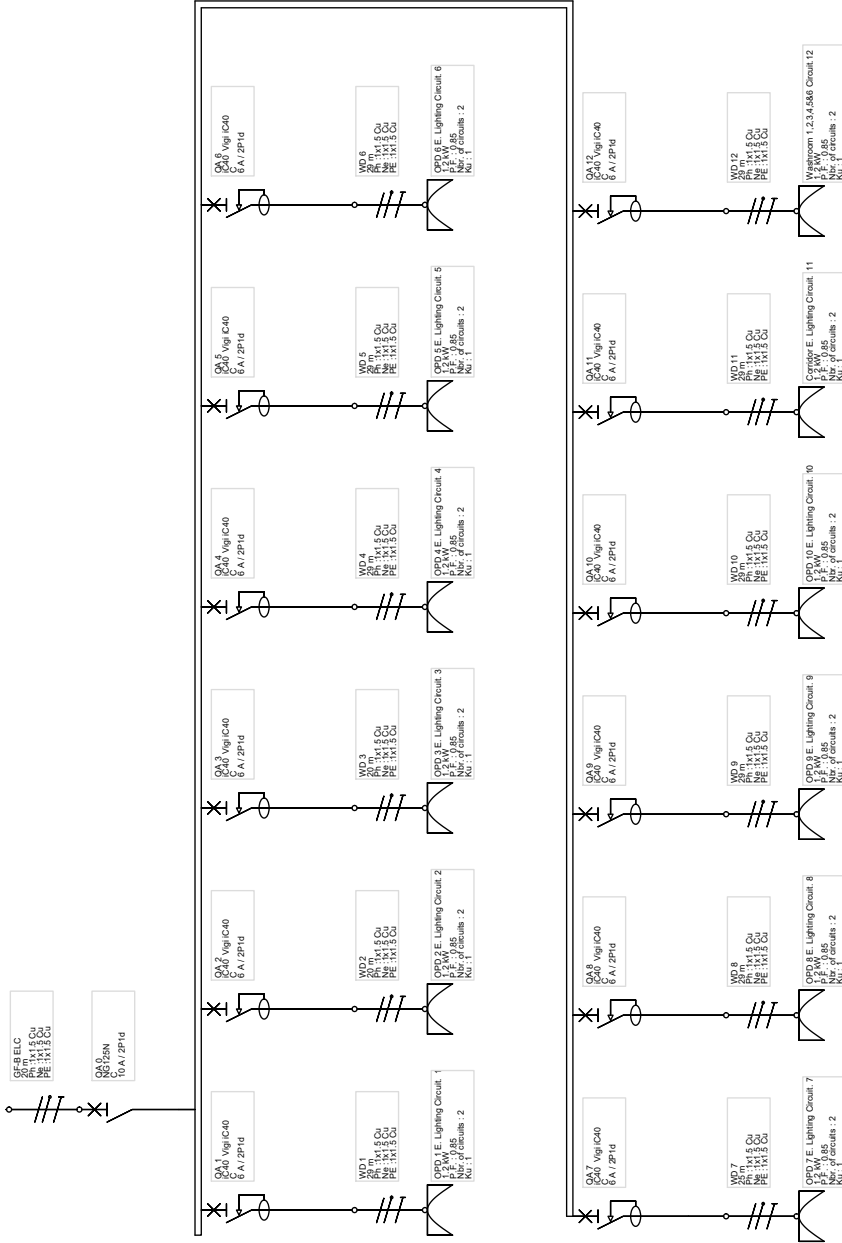


CLIENT NAME:
Widlar Medical Centre, Mudgam, Sopore.

TITLE :
SMBD Single Line Diagram (SLD)
Block B - (Attic)

L. K. Mahalingam & Co. Engineers
2nd Floor-26, Complex,
50 Feet, 1st Road, Sanganer,
Jaipur-302012
Phone: 190011
Fax: +91-8005866475

DESIGNED	DATE	SCALE	BY
CHECKED/CAUD	DATE	AS SHOWN	22/03/2023
DRAWING NO.	REV.	KC/MWC/A-001	0
APPROVED			



CLIENT NAME:

Wular Medical Centre, Muqam, Sopore.



2nd Floor-7th Complex,
90 feet, link road, Sopore,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-9098016475

TITLE :

**SMDB Single Line Diagram (SLD)
Block B - GF(OPD)**

DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
DRAWN:	CHECKED:	DATE:		
DRAWING NO:			REV:	
CHECKED QUALITY:			0	
APPROVED:				

BLOCK B GF

Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
1.1	2 Module (75mmX75mm)	Each	0		
1.2	4 Module (125mmX75mm)	Each	12		
1.3	6 Module (200mmX75mm)	Each	40		
1.4	8 Module (250mmX75mm)	Each	12		
1.5	12 Module (400mmX75mm)	Each	0		
2	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor				
2.1	1 Sqmm	Mtr.	330		
2.2	1.5 Sqmm	Mtr.	170		
2.3	3C 1.5 Sqmm with Earth wire	Mtr.	170		
2.4	3C 2.5 Sqmm with Earth wire	Mtr.	250		
2.5	3C 4 Sqmm with Earth wire	Mtr.	150		
3	Supplying following modular switch/ socket				
3.1	32A socket outlet with 32A switch	Each	15		
3.2	3 pin 5/6 amp socket outlet	Each	110		
3.3	10A switch for sockets	Each	110		
3.4	6A switch lights	Each	50		
3	1" PVC Conduit	Mtr.			
4	Bends	Each			
5	1" Channel	Mtr.			

1. Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.

2. Material list doesn't include SMDB (Sub main distribution board, circuit breakers etc.).

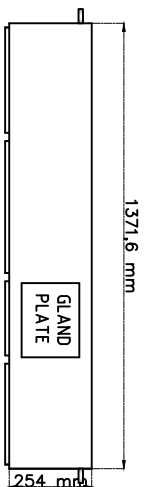
3. Separate material list to be provided for SMDB, MDB (Main Distribution Board), Cable from MDB to SMDB, Main LT cable from transformer etc.

4. Material List doesn't include lights (Luminaries). Will be provided after finalizing the position of installation (weather roof mounted or wall mounted to be used). Although light type and quantity is provided in the lighting design drawing as per roof mounted lights.

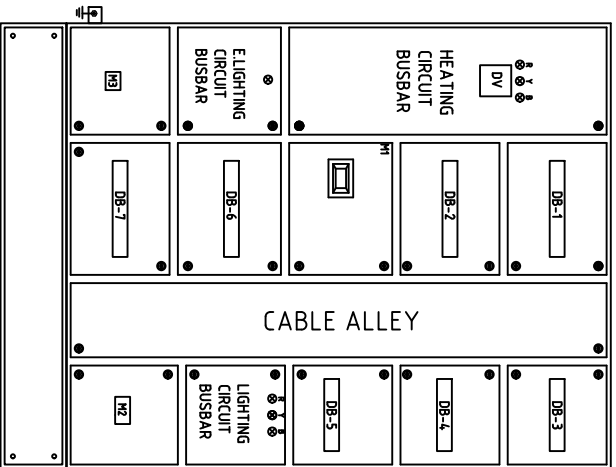
Note:

To be provided by Electrician.

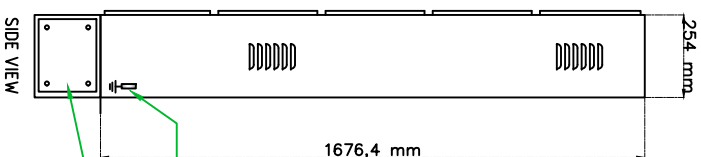
SHEET THICKNESS: 18 GAUGE OR 16 GAUGE (WHERE EVER NECESSARY)



TOP VIEW



FRONT VIEW



SIDE VIEW

INDOOR TYPE FLOOR MOUNTED PANEL.

- M1 MCB 63A TPN 25KA (HEATING CIRCUIT).
- M2 MCB 32A TPN 10KA (LIGHTING CIRCUIT).
- M3 MCB 10A SPN 10KA (E: LIGHTING CIRCUIT).
- DB-1 TO DB-2 (16WAY) RCBO SPN (30mA) 32A x 9 + SPACE (HEATING CIRCUIT).
- DB-3 TO DB-5 (12WAY) RCBO SPN (30mA) 10A x 12 + SPACE (LIGHTING CIRCUIT).
- DB-6 TO DB-7 (16WAY) RCBO SPN (30mA) 6A x 6 + SPACE (E: LIGHTING CIRCUIT).
- DV DIGITAL VOL TMETER.
- HEATING CIRCUIT B.B. TPN AL. 25X3 BUSBAR.
- LIGHTING CIRCUIT TPN AL. 25X3 BUSBAR.
- E: LIGHTING CIRCUIT SPN AL. 25X3 BUSBAR.

DRAWN: AARIF	DESIGNED: AARIF	SCALE: AS SHOWN	DATE: 24/05/2023	CUSTOMER NAME: Wafar Medical Centre, Madurai, Sogore
CHECKED CAD: _____		DRAWING NO: KAC/MNC/P.D./005	REV: 0	TITLE: SMDB PANEL DRAWING
CHECKED QUALITY: _____				Block B- GROUND FLOOR (OPD)
APPROVED: _____				

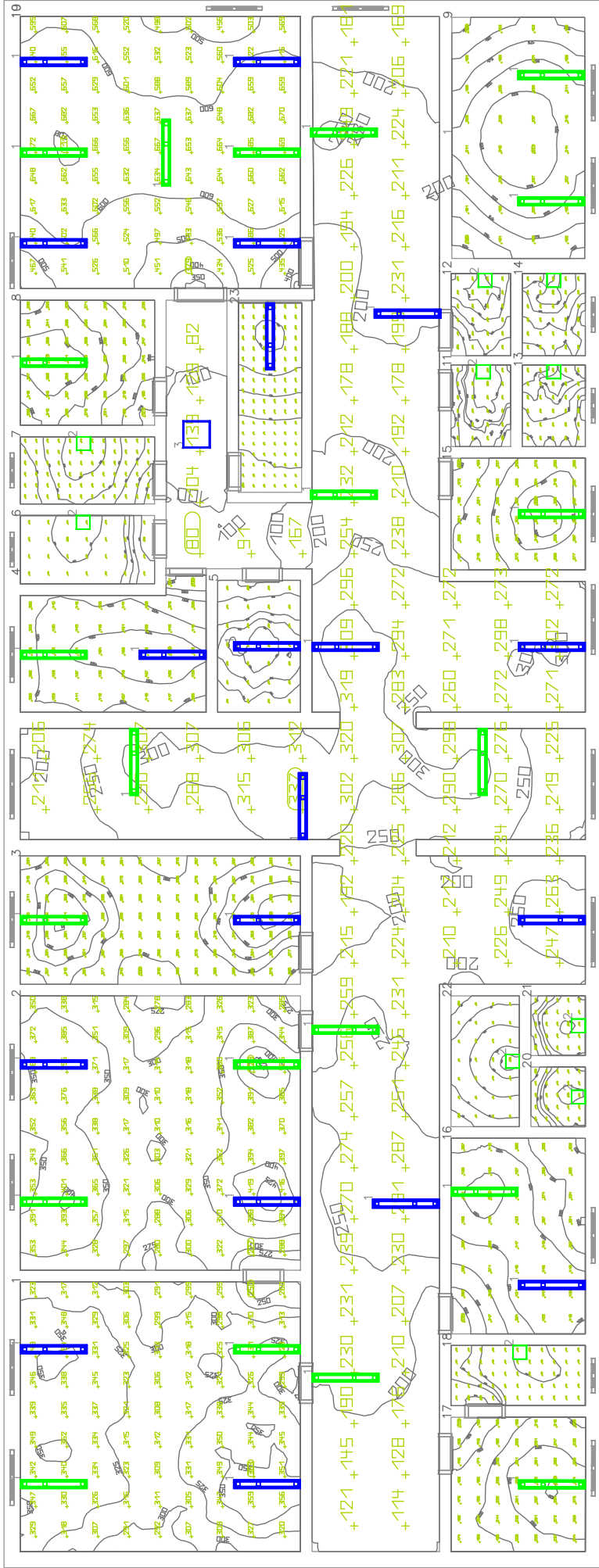
KASHMIRANDCO DESIGN AND ENGINEERING PVT. LTD.

kashmirandco
DESIGN AND ENGINEERING

2nd Floor- Zile Complex,
90 feet, link road, Srinagar,
Jammu, and Kashmir.
Ph: 0191-2511011
Tel: +91-9058916475

BLOCK B

First Floor



Luminaire list (Building 1, Storey 1)

Index	Manufacturer	Article name	Item number	Fitting	Luminaire flux	Maintenance factor	Connected load	Quantity
1	Philips	SMARTRAY 2x200 1		1x 265/P40	2650 lm	0.80	21.8 W	41
2	Panasonic	Clearroom (MIBIE)	PDM03184	1x LED	1350 lm	0.80	18 W	10
3	Panasonic	Boardlight (SCANTO PLUS)	PBLM21203	1x LED	2400 lm	0.80	20 W	1

#	Room	Perimeter (m)	Area (sq m)	Min	Average	Max/Average	Min/Average
1	Waiting area (ENTRANCE)	245 m	387 sq m	334 lx	334 lx	0.78	0.86
2	Waiting area (RECEPTION)	233 m	427 sq m	343 lx	343 lx	0.74	0.88
3	Waiting area (DOCTORS ROOM)	231 m	389 sq m	303 lx	303 lx	0.78	0.89
4	Waiting area (DOCTORS ROOM)	188 m	479 sq m	448 lx	448 lx	0.68	0.83
5	Waiting area (DOCTORS ROOM)	270 m	418 sq m	305 lx	305 lx	0.78	0.84
6	Waiting area (PH)	101 m	158 sq m	139 lx	139 lx	0.73	0.85
7	Waiting area (PH)	102 m	251 sq m	175 lx	175 lx	0.68	0.87
8	Waiting area (PH)	170 m	308 sq m	294 lx	294 lx	0.68	0.84
9	Waiting area (PH)	120 m	244 sq m	194 lx	194 lx	0.62	0.89
10	Waiting area (PH)	340 m	711 sq m	505 lx	505 lx	0.67	0.88
11	Waiting area (PH)	190 m	289 sq m	330 lx	330 lx	0.63	0.73
12	Waiting area (PH)	159 m	284 sq m	335 lx	335 lx	0.68	0.86
13	Waiting area (PH)	208 m	388 sq m	268 lx	268 lx	0.68	0.75
14	Waiting area (PH)	208 m	388 sq m	268 lx	268 lx	0.68	0.71
15	Waiting area (PH)	147 m	346 sq m	264 lx	264 lx	0.68	0.43
16	Waiting area (PH)	215 m	407 sq m	306 lx	306 lx	0.68	0.46
17	Waiting area (PH)	109 m	302 sq m	221 lx	221 lx	0.68	0.38
18	Waiting area (PH)	108 m	158 sq m	138 lx	138 lx	0.77	0.87
19	Waiting area (PH)	202 m	341 sq m	228 lx	228 lx	0.65	0.69
20	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
21	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
22	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
23	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
24	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
25	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
26	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
27	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
28	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
29	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
30	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
31	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
32	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88
33	Waiting area (PH)	104 m	152 sq m	134 lx	134 lx	0.78	0.88

CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.

2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir,
Pincode: 190011
Tel: +91-9053816475

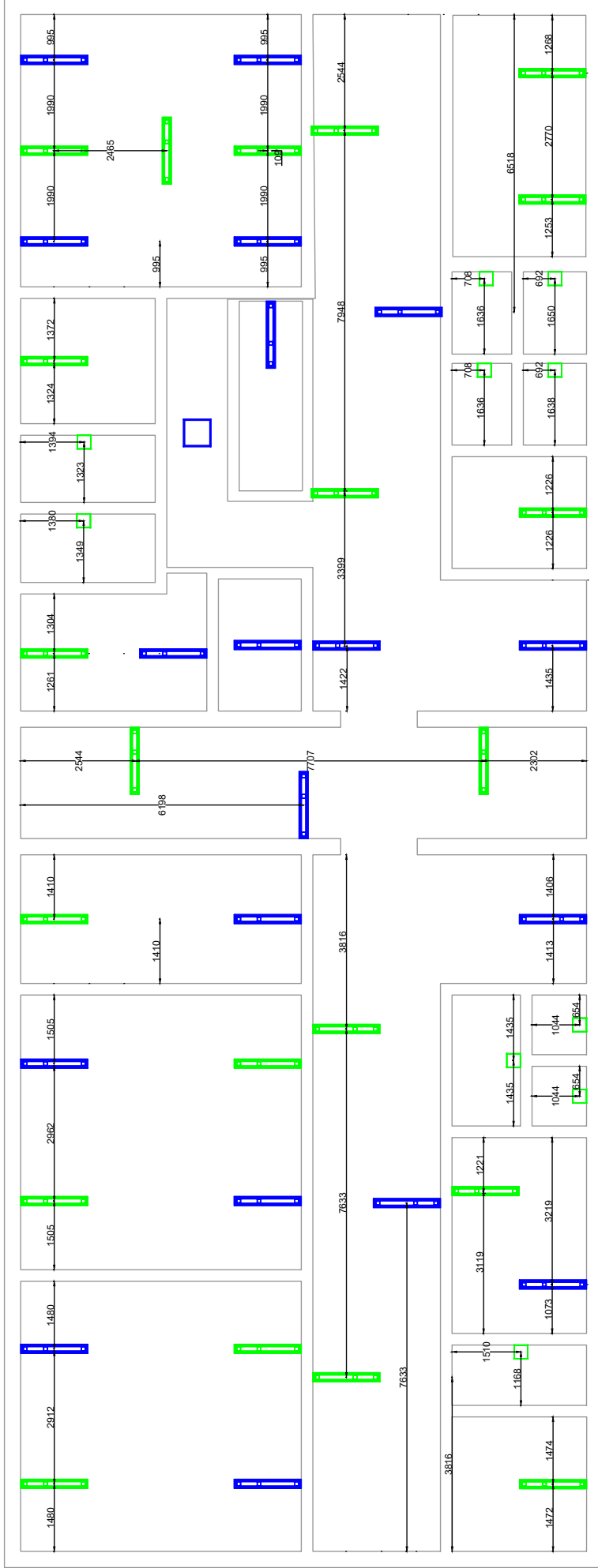
kashmirandco
DESIGN & ENGINEERING

TITLE :
Lighting Lux Layout Drawing
Block B-BF (ENDOSCOPY)

SCALE: AS SHOWN
DATE: 22/03/2023

DRAWN: DESIGNED: DRAWING NO: REV: 0
CHECKED: QC: **KC/MKC/A-01**

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm)



CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.

2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-9003016475

kashmirandco
DESIGN & ENGINEERING

TITLE :
Preliminary Electrical Layout Drawing
Block B (FIRST FLOOR)

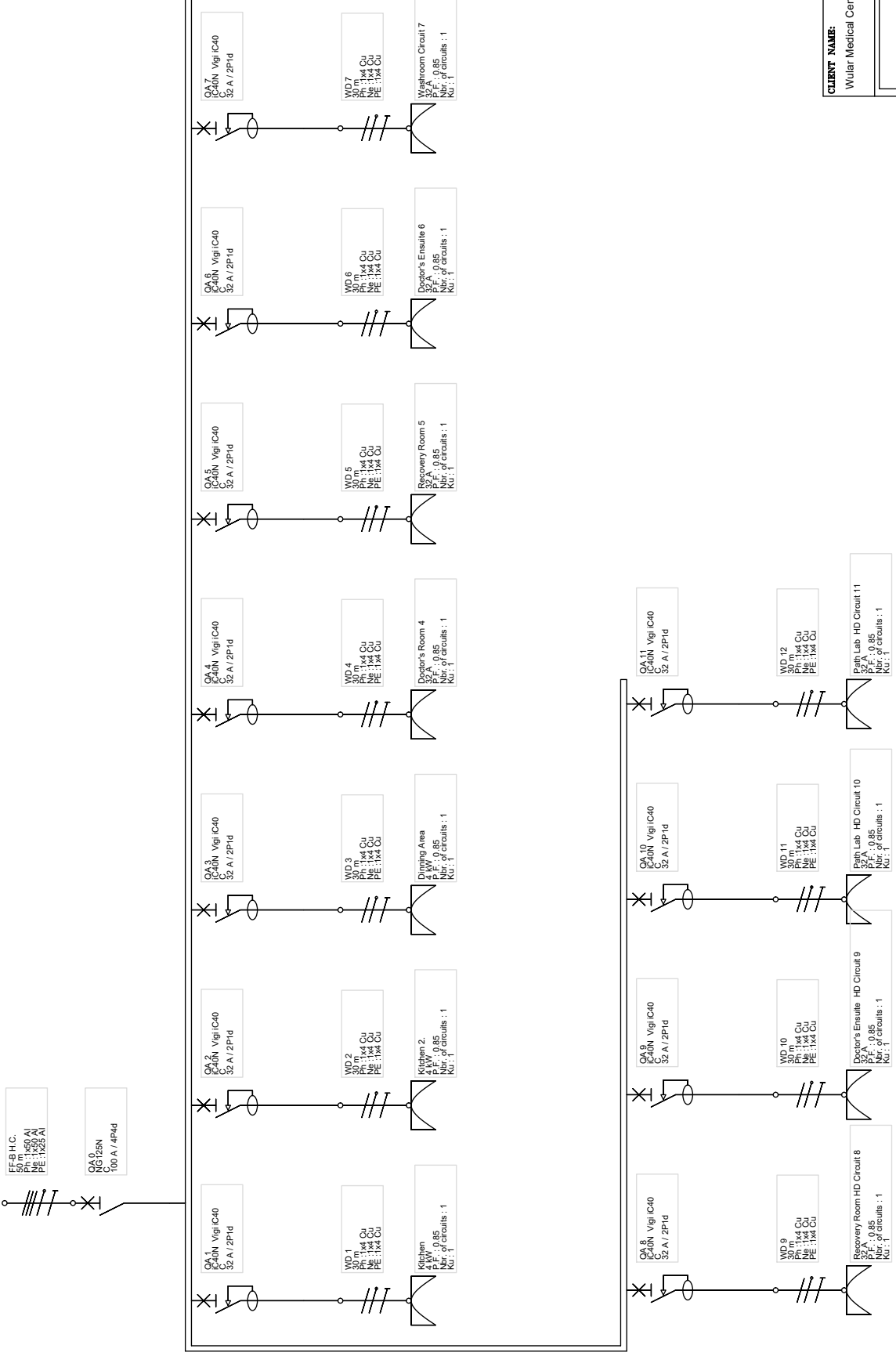
DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
DRAWN:	CHECKED:	DATE:		
CHECKED:	DATE:			
APPROVED:	DATE:			

REV.	DESCRIPTION
0	Initial Issue

LEGENDS	
	HEAVY DUTY RECEPTACLE OUTLET 13AMP 220V 2P+PE WITH SWITCH.
	WALL MOUNTED MIRROR LIGHT
	WALL MOUNTED BED LIGHT
	TV OUTLET
	2 WAY 220V SOCKET OUTLET WITH 10A SWITCH
	PLATE SWITCHES 6 AMP FLUSH MOUNTED THREE GANGS, TWO WAY 220V
	RECEPTACLE OUTLET 20AMP WITH PILOT LAMP AND SWITCH.
	HEATING RECEPTACLE OUTLET 16AMP 220V 2P+PE WITH SWITCH.
	NORMAL LED LIGHT SURFACE MOUNTED
	EMERGENCY LED LIGHT SURFACE MOUNTED
	CEILING SPEAKER
	RAS DATA SOCKET OUTLET
	RAS TELEPHONE SOCKET OUTLET
	60mm Trunking AT HEIGHT OF 4 FEET
	100mm Trunking AT TOP
	150mm Trunking AT TOP
	Mocket Clear Circuit Breaker
	NORMAL LED LIGHT SURFACE MOUNTED

FFB.H.C.
 Ph: 1450 AI
 PE: 1425 AI

QA 0
 NG125N
 100 A / 4P4d



CLIENT NAME:

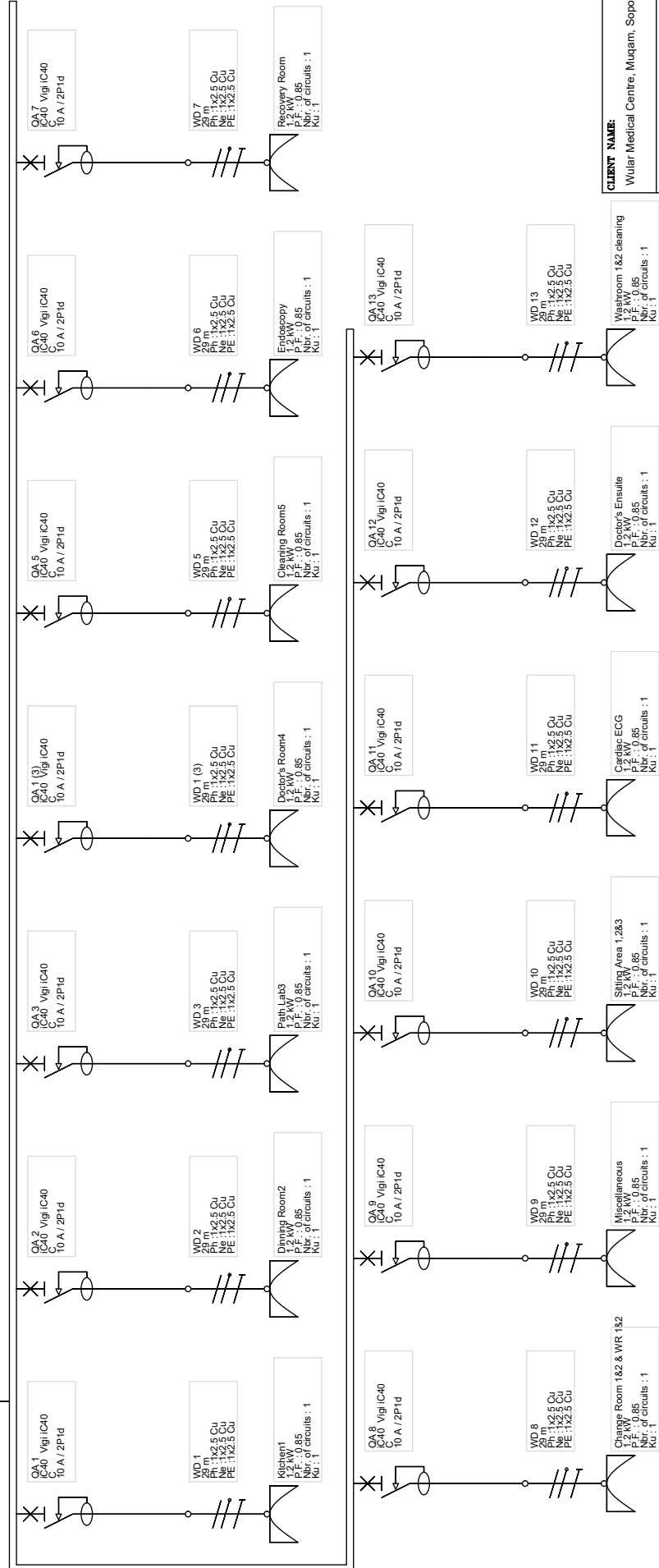
Wular Medical Centre, Muqam, Sopore.



2nd Floor-7th Complex,
 90 feet, link road, Shogor,
 Jammu and Kashmir,
 Pincode: 190011
 Tel: +91-983016475

TITLE :
SMDB Single Line Diagram (SLD)
Block B - FF (Endoscopy)

DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
DRAWN:	CHECKED:	QA/	QC/	APPROVED:
DRAWING NO:				REV:
CHECKED QUALITY:				0
APPROVED:				KC/MKC/A-01



CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.



2nd Floor-7th Complex,
90 feet, link road, Shogor,
Jammu and Kashmir.
Pincode: 190011
Tel: +91-9053016475

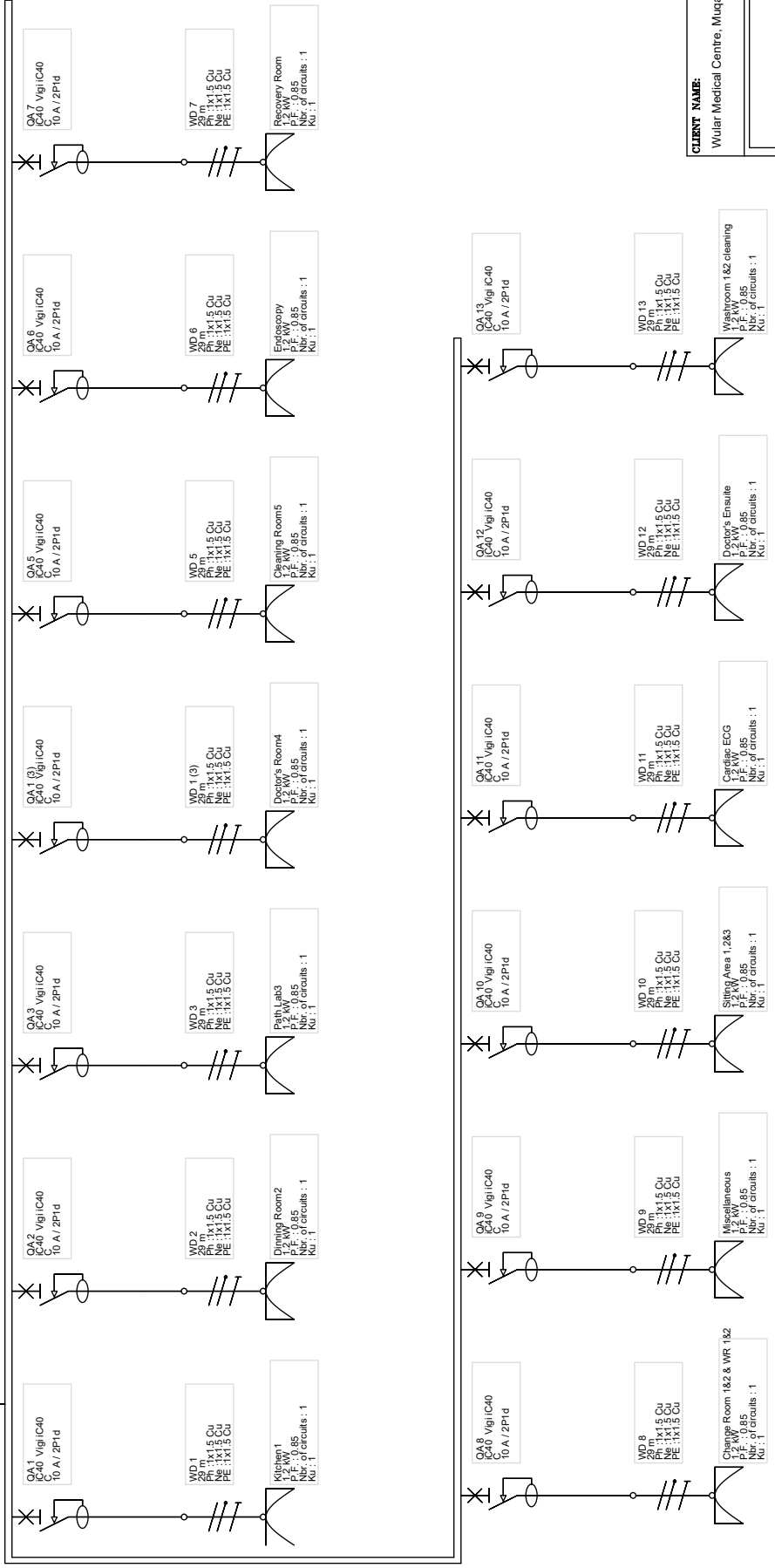
TITLE :
SMDB Single Line Diagram (SLD)
Block B - FF(Endoscopy)

DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
CHECKED:	DATE:			
DRAWN:	DATE:			
CHECKED QUALITY:	DATE:			
APPROVED:	DATE:			
				REV:
				0

KAC/MKC/A-001

FF-B ELC.
25 m
No. : 1X4 Cu
PE : 1X4 Cu

QA 8
C-80L
32 A / 2P1d



CLIENT NAME:

Wular Medical Centre, Muqam, Sopore.



2nd Floor-7th Complex,
90 feet, link road, Srinagar,
Jammu and Kashmir.
Pincode: 190001
Tel: +91-9008016475

TITLE :
SMDB Single Line Diagram (SLD)
Block B - FF(Endoscopy)

DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
DRAWN:	CHECKED:	QA/	APPROVED:	
DRAWING NO:	KAC/MKC/A-01			
CHECKED QUALITY:	0			
REV:				

BLOCK B FF

Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
1.1	2 Module (75mmX75mm)	Each	6		
1.2	4 Module (125mmX75mm)	Each	16		
1.3	6 Module (200mmX75mm)	Each	18		
1.4	8 Module (250mmX75mm)	Each	14		
1.5	12 Module (400mmX75mm)	Each	13		
2	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor				
2.1	1 Sqmm	Mtr.	330		
2.2	1.5 Sqmm	Mtr.	165		
2.3	3C 1.5 Sqmm with Earth wire	Mtr.	300		
2.4	3C 2.5 Sqmm with Earth wire	Mtr.	220		
2.5	3C 4 Sqmm with Earth wire	Mtr.	220		
3	Supplying following modular switch/ socket				
3.1	32A socket outlet with 32A switch	Each	15		
3.2	3 pin 5/6 amp socket outlet	Each	120		
3.3	10A switch for sockets	Each	120		
3.4	6A switch lights	Each	55		
3	1" PVC Conduit	Mtr.			
4	Bends	Each			
5	1" Channel	Mtr.			

1. Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.

2. Material list doesn't include SMDB (Sub main distribution board, circuit breakers etc.).

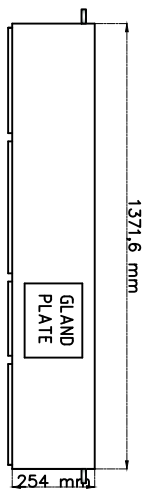
3. Separate material list to be provided for SMDB, MDB (Main Distribution Board), Cable from MDB to SMDB, Main LT cable from transformer etc.

4. Material List doesn't include lights (Luminaries). Will be provided after finalizing the position of installation (weather roof mounted or wall mounted to be used). Although light type and quantity is provided in the lighting design drawing as per roof mounted lights.

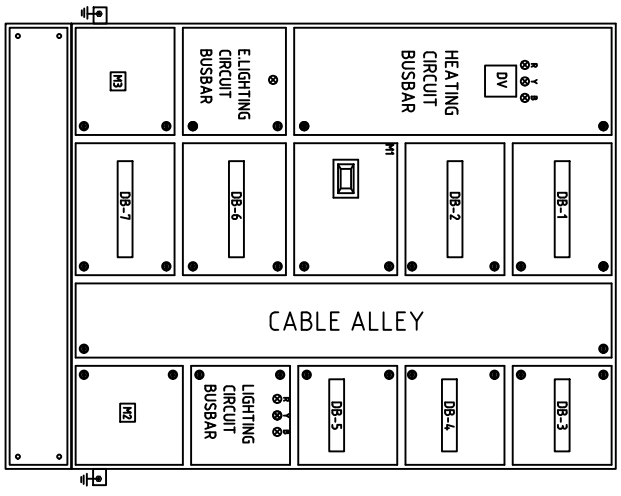
Note:

To be provided by Electrician.

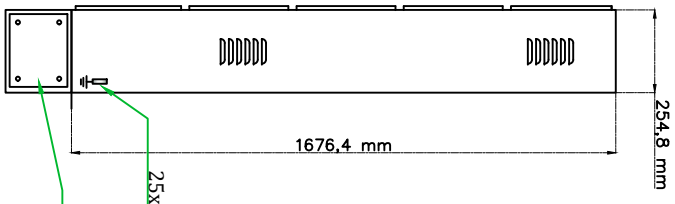
SHEET THICKNESS: 18 GAUGE OR 16 GAUGE (WHERE EVER NECESSARY)



TOP VIEW



FRONT VIEW



SIDE VIEW

- INDOOR TYPE FLOOR MOUNTED PANEL.**
- M1 MCCB 100A TPN 25KA (HEATING CIRCUIT).
 - M2 MCCB 32A TPN 10KA (LIGHTING CIRCUIT).
 - M3 MCB 32A SPN 10KA (E. LIGHTING CIRCUIT).
 - DB-1 TO DB-2 (16WAY) RCBO SPN (30mA) 32A x 11 + SPACE (HEATING CIRCUIT).
 - DB-3 TO DB-5 (12WAY) RCBO SPN (30mA) 10A x 13 + SPACE (LIGHTING CIRCUIT).
 - DB-6 TO DB-7 (16WAY) RCBO SPN (30mA) 6A x 13 + SPACE (E. LIGHTING CIRCUIT).
 - DV DIGITAL VOLTMEETER.
 - HEATING CIRCUIT B.B. TPN AL. 25X3 BUSBAR.
 - LIGHTING CIRCUIT TPN AL. 25X3 BUSBAR.
 - E. LIGHTING CIRCUIT SPN AL. 25X5 BUSBAR.

DRAWN: AARIF	DESIGNED: AARIF	SCALE: AS SHOWN	DATE: 24/05/2023	CUSTOMER NAME: What Medical Centre, Malappuram, Singapore
CHECKED: CAD.		DRAWING NO: KAC/MMC/P.D./006	REV: 0	TITLE: SMDB PANEL DRAWING
CHECKED QUALITY:				Block B- FIRST FLOOR (ENDOSCOPY)
APPROVED:				

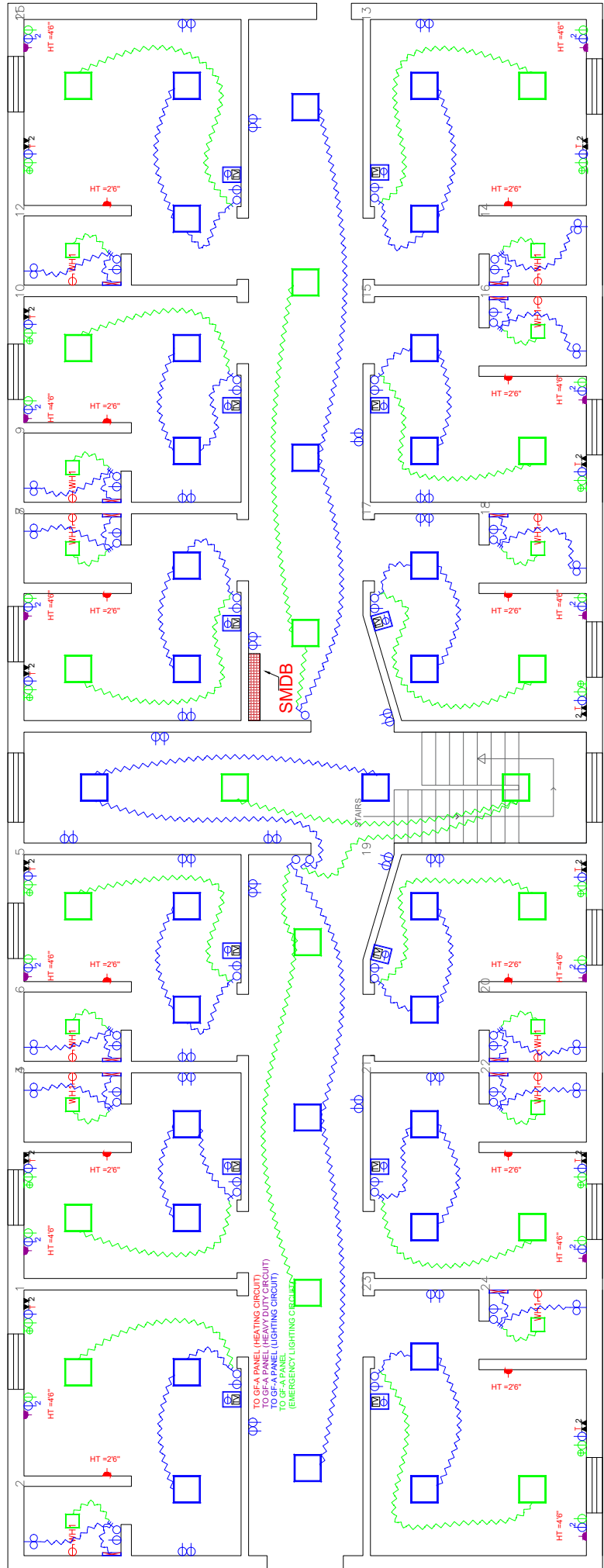
KASHMIRANDCO DESIGN AND ENGINEERING PVT. LTD.

Kashmirandco
DESIGN AND ENGINEERING

2nd Floor- Zile Complex,
90 feet, link road, Srinagar,
Jammu, and Kashmir.
Ph: 0191-2510011
Tel: +91-98905816475

BLOCK B

Second Floor



CLIENT NAME:

Wular Medical Centre, Muzam, Sopore.



2nd Floor-2a Complex,
90 feet, link road, Sopore,
Jammu and Kashmir,
Pincode: 180001
Tel: +91-6008816475

TITLE :
Electrical Layout Drawing
Block B (SECOND FLOOR)

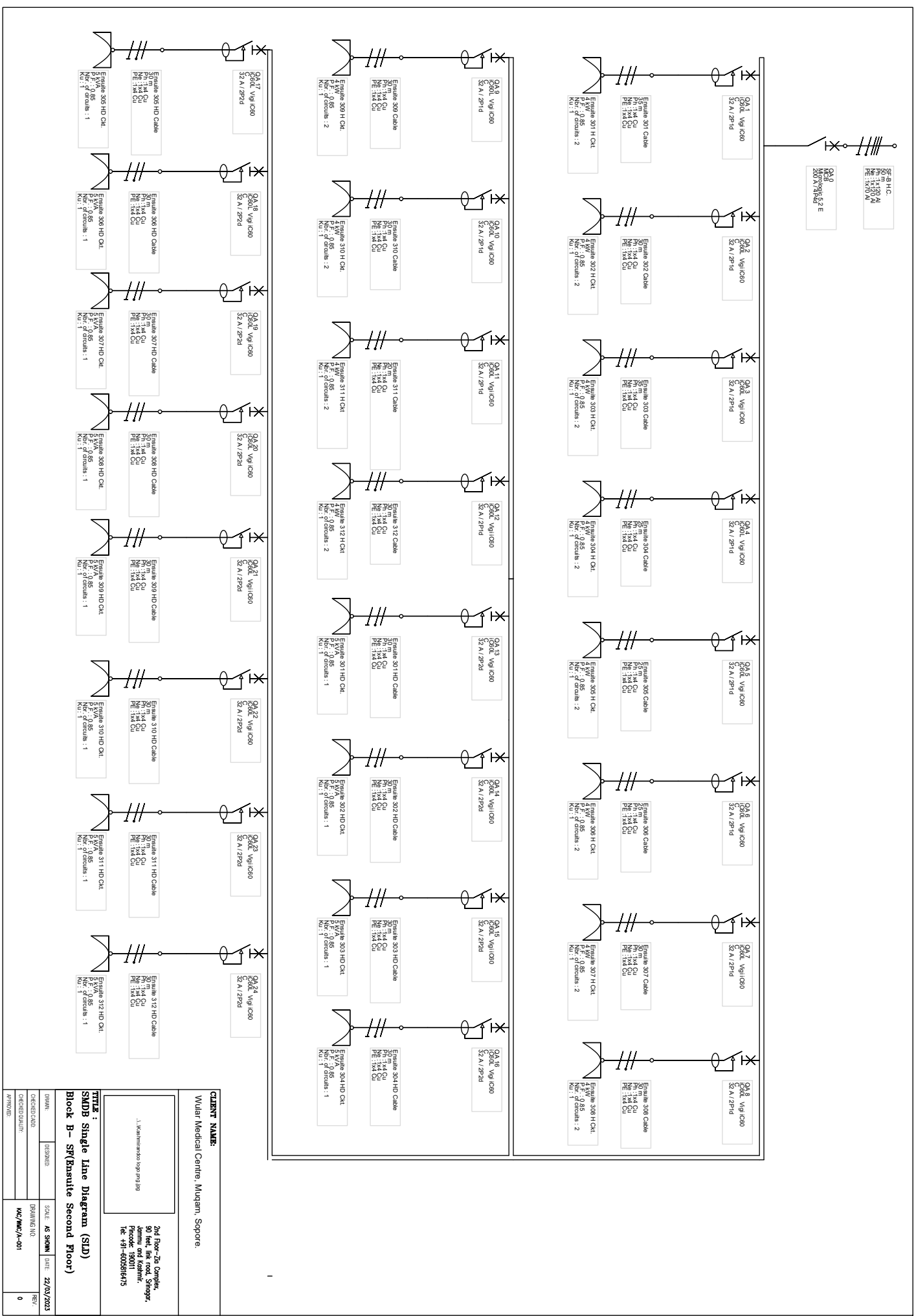
DRWN:	DESIGNED:	SCALE:	AS SHOWN	DATE:	22/03/2023
CHECKED/CAD:	DRAWING NO:	REV.			
CHECKED/QUALITY:	KAC/MC/A-001	0			
APPROVED:					

LEGENDS

	Cable 1.5mm² 2C+Earth for Emergency Lighting
	Cable 2.5mm² 2C+Earth for Lighting Circuit
	Cable 4mm² 2C+Earth for Heating Circuit
	Cable 4mm² 2C+Earth for Heavy Duty Circuit
	Wire 1mm² PE

LEGENDS

	HEAVY DUTY RECEPTACLE OUTLET 32AMP 220V 2P+E+WT+SWITCH
	WALL MOUNTED MIRROR LIGHT
	WALL MOUNTED BED LIGHT
	PVC PIPE CONCEALED
	8P AMP 220V 2P+E SOCKET OUTLET WITH I/OA SWITCH
	TV OUTLET
	PLATE SWITCHES 8 AMP FLUSH MOUNTED ONE GANGS TWO WAY 220V
	PLATE SWITCHES 8 AMP FLUSH MOUNTED THREE GANGS ONE WAY 220V
	16 AMP 220V 2P+E SOCKET OUTLET WITH I/OA SWITCH
	EXHAUST FAN WALL MOUNTED
	HEATING RECEPTACLE OUTLET 16AMP 220V 2P+E SWITCH
	NORMAL LED LIGHT SURFACE MOUNTED
	EMERGENCY LED LIGHT SURFACE MOUNTED
	EMERGENCY LED LIGHT SURFACE MOUNTED
	CEILING SPEAKER
	RJ45 DATA SOCKET OUTLET
	RJ45 TELEPHONE SOCKET OUTLET
	80mm Dia TRUNKING AT TOP
	40mm Dia TRUNKING AT TOP
	20mm Dia TRUNKING AT TOP
	NORMAL LED LIGHT SURFACE MOUNTED



ESB 8 H.C.
50 m
Nbr. de circuite : 2
PE : 1x4 Cu

QA2
Cabl. Vigi IC80
32 A / 2P+D
Nbr. de circuite : 1

CLIENT NAME:
Wdhar Medical Centre, Murgam, Sapore

TITLU :
SMB Single Line Diagram (SLD)
Block B - SFRansuite Second Floor)

2nd Floor-2a Complex,
30 Hea. Bnk Road, Sapore,
Dist. Sapore, Dist. Sapore,
Pincode : 590011
Tel : +91-900866475

1. Wdhar Medical Centre, Sapore

DRAMA	10/29/2023	SCALE	AS SHOWN	DATE	22/03/2023
CHECKED/CAUD		DRAWING NO.		REV.	
CHECKED/QUALITY		KAC/MWC/A-001		0	
APPROVED					

BLOCK A GF

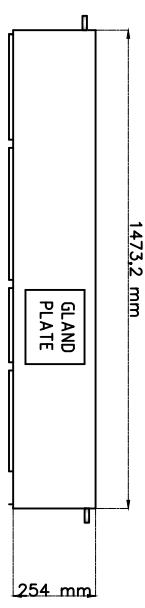
Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
1.1	2 Module (75mmX75mm)	Each	10		
1.2	4 Module (125mmX75mm)	Each	33		
1.3	6 Module (200mmX75mm)	Each	31		
1.4	8 Module (250mmX75mm)	Each	12		
1.5	12 Module (400mmX75mm)	Each	22		
2	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor				
2.1	1 Sqmm	Mtr.	330		
2.2	1.5 Sqmm	Mtr.	165		
2.3	3C 1.5 Sqmm with Earth wire	Mtr.	580		
2.4	3C 2.5 Sqmm with Earth wire	Mtr.	650		
2.5	3C 4 Sqmm with Earth wire	Mtr.	880		
3	Supplying following modular switch/ socket				
3.1	32A socket outlet with 32A switch	Each	33		
3.2	3 pin 5/6 amp socket outlet	Each	140		
3.3	10A switch for sockets	Each	140		
3.4	6A switch lights	Each	75		
3	1" PVC Conduit	Mtr.			
4	Bends	Each			
5	1" Channel	Mtr.			

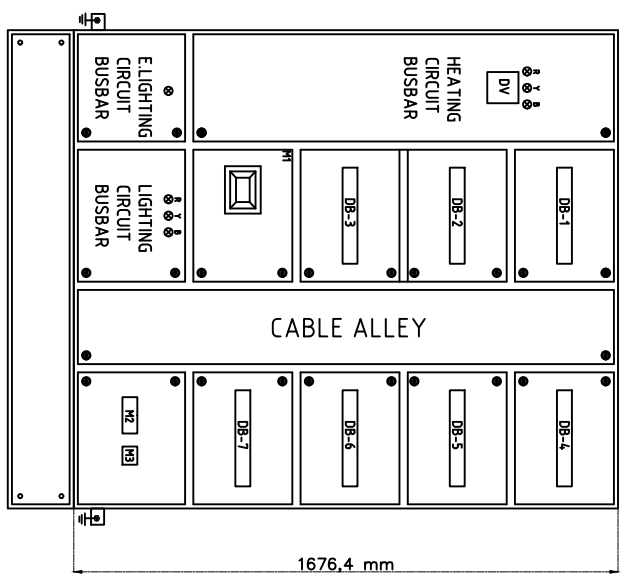
To be provided by Electrician.

- Note:**
- Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.
 - Material list doesn't include SMDB (Sub main distribution board, circuit breakers etc.)
 - Separate material list to be provided for SMDB, MDB (Main Distribution Board), Cable from MDB to SMDB, Main L/T cable from transformer etc.
 - Material List doesn't include lights (Luminaries). Will be provided after finalizing the position of installation (weather roof mounted or wall mounted to be used). Although light type and quantity is provided in the lighting design drawing as per roof mounted lights.

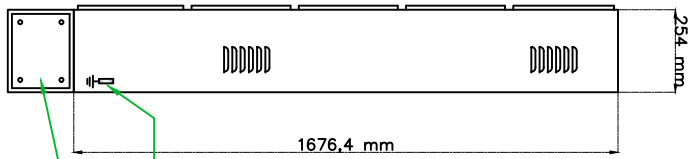
SHEET THICKNESS: 18 GAUGE OR 16 GAUGE (WHERE EVER NECESSARY)



TOP VIEW



FRONT VIEW



SIDE VIEW

INDOOR TYPE FLOOR MOUNTED PANEL.

- M1 MCCB 200A TPN 35KA (HEATING CIRCUIT).
- M2 MCB 32A TPN 10KA (LIGHTING CIRCUIT).
- M3 MCB 40A SPN 10KA (E. LIGHTING CIRCUIT).
- DB-1 TO DB-3 (16WAY) RCBO SPN (30mA) 32A x 22 + SPACE (HEATING CIRCUIT).
- DB-4, TO DB-5 (16WAY) RCBO SPN (30mA) 10A x 12 + SPACE (LIGHTING CIRCUIT).
- DB-6 TO DB-7 (16WAY) RCBO SPN (30mA) 6A x 12 + SPACE (E. LIGHTING CIRCUIT).
- DV DIGITAL VOLTMETER.
- HEATING CIRCUIT B.B. TPN AL. 40x5 BUSBAR.
- LIGHTING CIRCUIT TPN AL. 25X3 BUSBAR.
- E. LIGHTING CIRCUIT SPN AL. 25X3 BUSBAR.

25x3 Cu. EARTH BUSBAR

Stand

DRAWN: AARIF	DESIGNED: AARIF	SCALE: AS SHOWN	DATE: 24/05/2023	CLIENT NAME: What Medical Centre, Malappur, Singapore
CHECKED CAD: _____		DRAWING NO: KAC/MMC/P.D./007	REV: 0	TITLE: SMDB PANEL DRAWING
CHECKED QUALITY: _____				Block B- SF (ENSUITE 3)
APPROVED: _____				

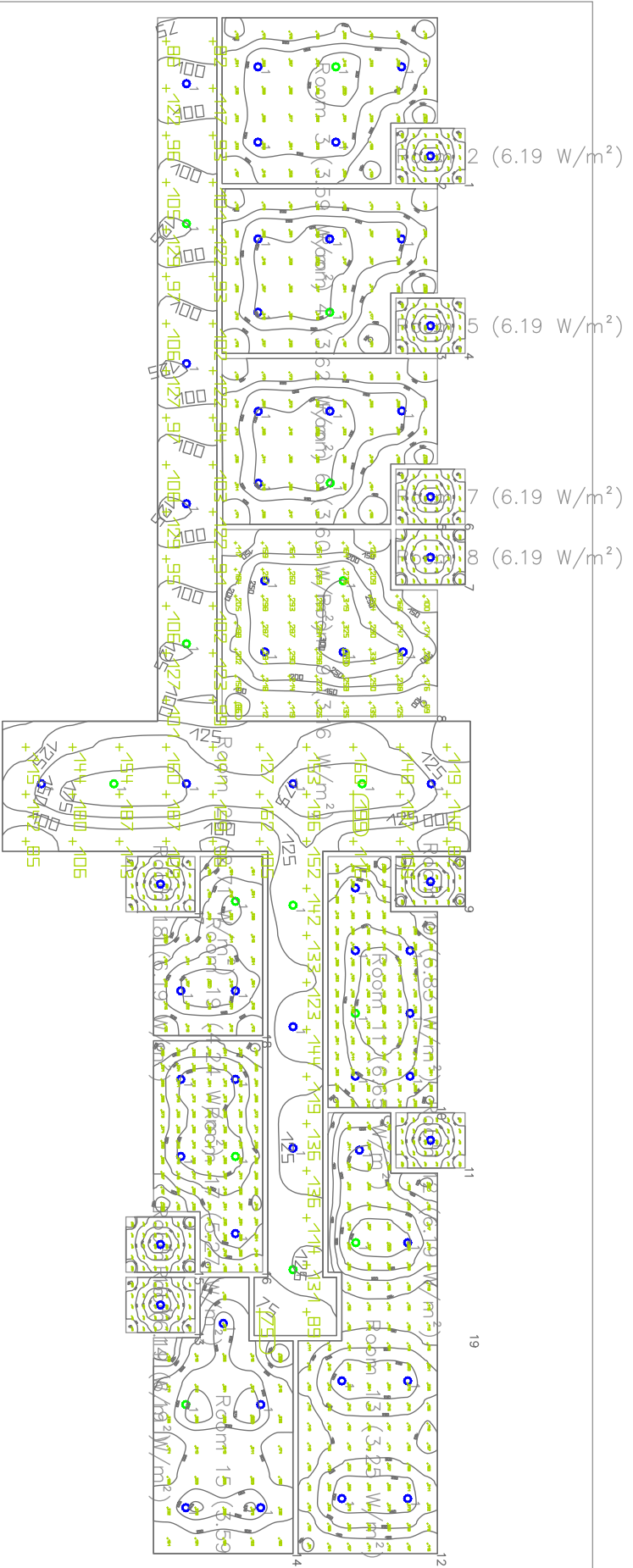
KASHMIRANDCO DESIGN AND ENGINEERING PVT. LTD.

kashmirandco
DESIGN AND ENGINEERING

2nd Floor- Zito Complex,
90 feet, Ptk road, Srinagar,
Jammu, and Kashmir.
Phone: 190011
Tel: +91-6005816475

BLOCK B

Attic



Luminaires list (Building 1, Storey 1)

#	Name	Parameter	Min	Max	Average	Min/Average	Max/Min
1	Working plane (Room 2)	Rependitur	190 h	246 h	202 h	0.79	0.65
2	Working plane (Room 2)	Rependitur	107 h	322 h	230 h	0.45	0.33
3	Working plane (Room 4)	Rependitur	108 h	331 h	230 h	0.46	0.33
4	Working plane (Room 4)	Rependitur	150 h	248 h	203 h	0.78	0.44
5	Working plane (Room 5)	Rependitur	113 h	338 h	238 h	0.47	0.34
6	Working plane (Room 6)	Rependitur	150 h	247 h	203 h	0.78	0.44
7	Working plane (Room 7)	Rependitur	161 h	250 h	205 h	0.79	0.44
8	Working plane (Room 8)	Rependitur	86.3 h	340 h	218 h	0.40	0.23
9	Working plane (Room 9)	Rependitur	170 h	250 h	210 h	0.81	0.48
10	Working plane (Room 10)	Rependitur	188 h	408 h	378 h	0.50	0.39
11	Working plane (Room 11)	Rependitur	190 h	248 h	203 h	0.79	0.45
12	Working plane (Room 12)	Rependitur	83.3 h	342 h	202 h	0.46	0.27
13	Working plane (Room 13)	Rependitur	150 h	248 h	203 h	0.78	0.44
14	Working plane (Room 14)	Rependitur	108 h	287 h	218 h	0.49	0.38
15	Working plane (Room 15)	Rependitur	161 h	248 h	204 h	0.79	0.45
16	Working plane (Room 17)	Rependitur	136 h	307 h	250 h	0.46	0.34
17	Working plane (Room 18)	Rependitur	110 h	248 h	203 h	0.78	0.44
18	Working plane (Room 19)	Rependitur	116 h	327 h	228 h	0.50	0.35
19	Working plane (Room 20)	Rependitur	76.6 h	189 h	154 h	0.60	0.38

Index	Manufacturer	Article name	Item number	Fitting	Luminous flux	Maintenance factor	Connected load	Quantity
1	Philips	DN140B PSD-E D162 1		1x LED105/830	1100 lm	0.80	11.5 W	71

CLIENT NAME:
Vular Medical Centre, Mulgani, Sapore.

kashmirindco
DESIGN AND ENGINEERING
2nd Floor-Zee Complex,
90 feet, the road, Sapore,
Jammu and Kashmir,
Pincode: 190011
No. 979-80858475

TITLE :
Electrical Layout Drawing
Block B - (Attic)

DATE	ISSUED	SCALE	AS SHOWN	DATE	22/03/2023
CHIEF DESIGNER		DRAWING NO.	EC/MC/A-001	REV	0
APPROVED					

BLOCK B ATTIC

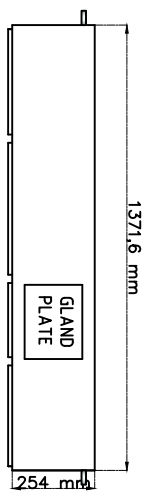
Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)

S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)	
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.					
1.1	2 Module (75mmX75mm)	Each	18			
1.2	4 Module (125mmX75mm)	Each	19			
1.3	6 Module (200mmX75mm)	Each	13			
1.4	8 Module (250mmX75mm)	Each	13			
1.5	12 Module (400mmX75mm)	Each				
2	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor					
2.1	1 Sqmm	Mtr.	330			
2.2	1.5 Sqmm	Mtr.	110			
2.3	3C 1.5 Sqmm with Earth wire	Mtr.	110			
2.4	3C 2.5 Sqmm with Earth wire	Mtr.	220			
2.5	3C 4 Sqmm with Earth wire	Mtr.	220			
3	Supplying following modular switch/ socket					
3.1	32A socket outlet with 32A switch	Each	25			
3.2	3 pin 5/6 amp socket outlet	Each	25			
3.3	10A switch for sockets	Each	80			
3.4	6A switch lights	Each	80			
3.5	6A 2 way switch lights	Each	20			
4	1" PVC Conduit	Mtr.				
5	Bends	Each				
6	1" Channel	Mtr.				

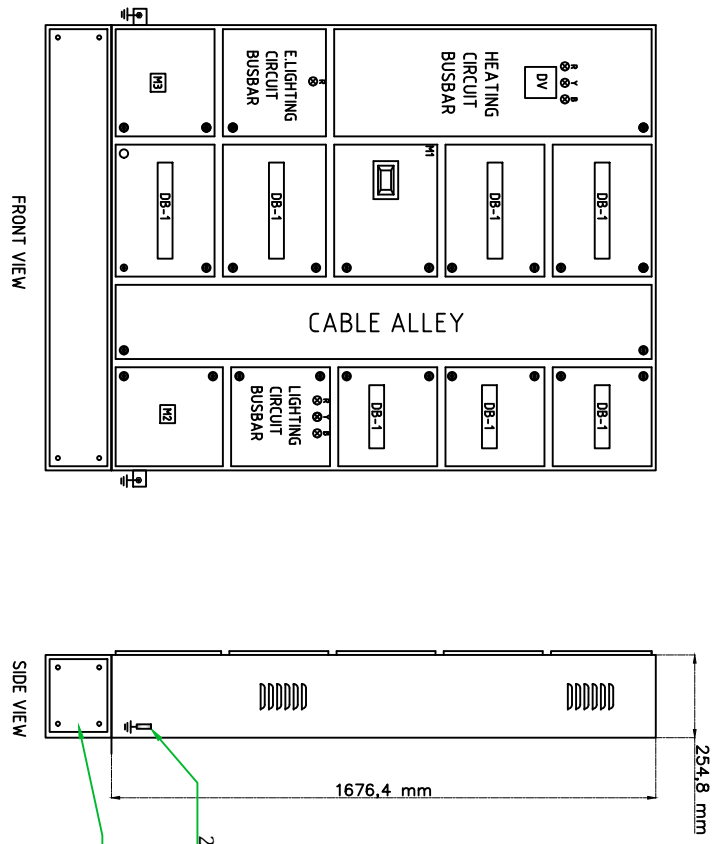
To be provided by Electrician.

- Note:**
- Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.
 - Material list doesn't include SMDB (Sub main distribution board, circuit breakers etc.).
 - Separate material list to be provided for SMDB, MDB (Main Distribution Board), Cable from MDB to SMDB, Main LT cable from transformer etc.
 - Material List doesn't include lights (Luminaries). Will be provided after finalizing the position of installation (whether roof mounted or wall mounted to be used). Although light type and quantity is provided in the lighting design drawing as per roof mounted lights.

SHEET THICKNESS: 18 GAUGE OR 16 GAUGE (WHERE EVER NECESSARY)



TOP VIEW



FRONT VIEW

SIDE VIEW

- INDOOR TYPE FLOOR MOUNTED PANEL.
- M1 MCB 63A TPN 25KA (HEATING CIRCUIT).
 - M2 MCB 16A TPN 10KA (LIGHTING CIRCUIT).
 - M3 MCB 32A SPN 10KA (E. LIGHTING CIRCUIT).
 - DB-1 TO DB-4 (16WAY) RCBO SPN (30mA) 32A x 9 + SPACE (HEATING CIRCUIT).
 - DB-5 TO DB-8 (16WAY) RCBO SPN (30mA) 10A x 13 + SPACE (LIGHTING CIRCUIT).
 - DB-9 TO DB-11 (16WAY) RCBO SPN (30mA) 6A x 4 + SPACE (E.LIGHTING CIRCUIT).
 - DV DIGITAL VOL TMETER.
 - HEATING CIRCUIT B.B. TPN AL. 25X3 BUSBAR.
 - LIGHTING CIRCUIT TPN AL. 25X3 BUSBAR.
 - ELIGHTING CIRCUIT SPN AL. 25X3 BUSBAR.

DRAWN: AARIF	DESIGNED: AARIF	SCALE: AS SHOWN	DATE: 24/05/2023	CLIENT NAME: What Medical Centre, Malappur, Sogore.
CHECKED CAD: _____		DRAWING NO: KAC/MMC/P.D./009	REV: 0	TITLE : SMDB PANEL DRAWING
CHECKED QUALITY: _____				Block B- ATTIC
APPROVED: _____				

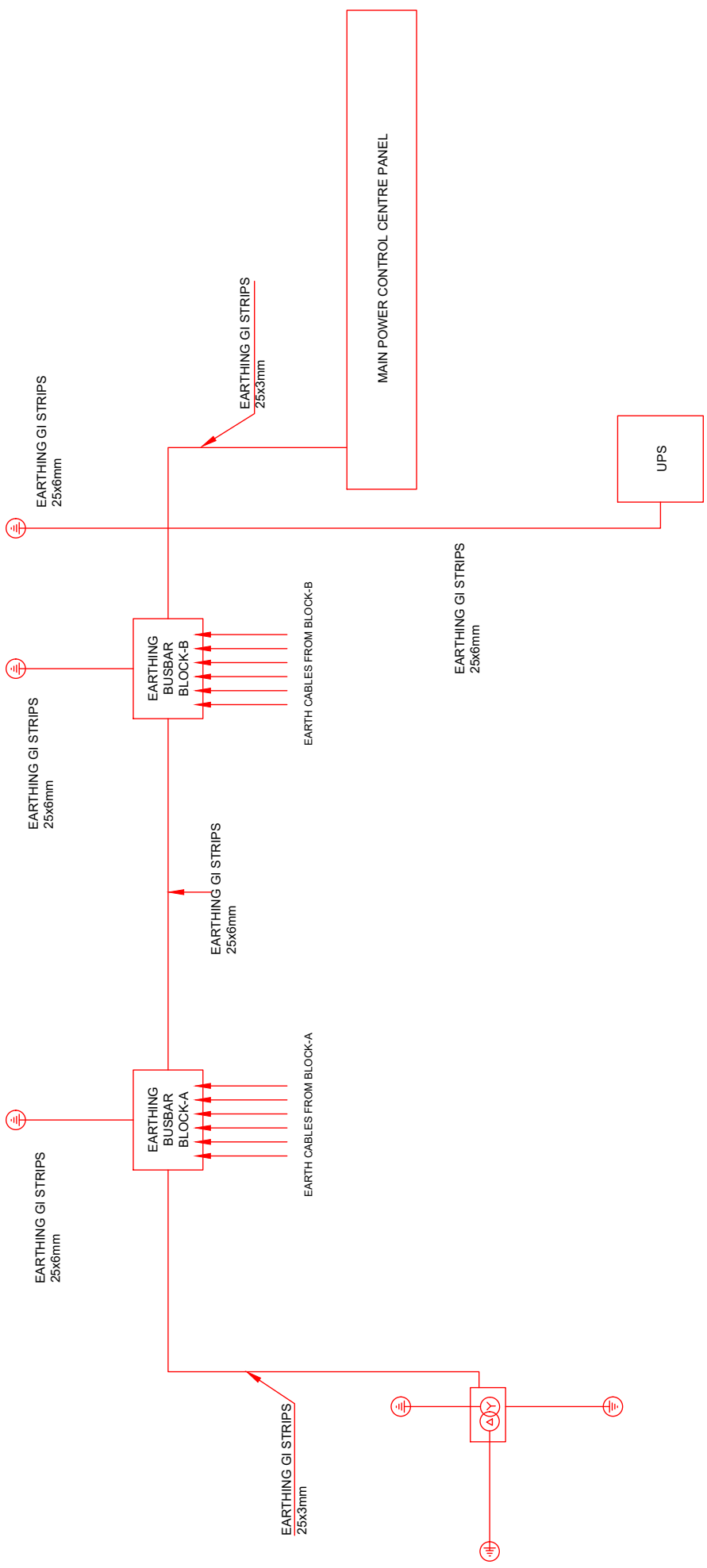
KASHMIRANDCO DESIGN AND ENGINEERING PVT. LTD.

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DESIGN AND ENGINEERING

2nd Floor- Zile Complex,
90 feet, link road, Sogore,
Jammu, and Kashmir.
Ph: 0190011
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WMC

LT Panel



2nd Floor-7th Complex,
90 feet, link road, Srinagar,
Jammu and Kashmir,
Pincode: 190011
Tel: +91-9830164775

TITLE :
Exterior Cable Route

DRAWN:	DESIGNED:	SCALE:	AS SHOWN	DATE:	06/06/2023
CHECKED/DWG:		DRAWING NO.:		REV.:	
CHECKED/QUALITY:					
APPROVED:					0

CLIENT NAME:
Wular Medical Centre, Muqam, Sopore.

All Floors (Excluding Block-B LGF,TF)					
Material List for internal building electrification from Floor SMDB to rooms (Excluding SMDBs)					
S.NO.	DESCRIPTION	UNIT	QTY	RATE (RS.)	AMOUNT (RS.)
1	Supplying of following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.				
1.1	2 Module (75mmX75mm)	Each	65		
1.2	4 Module (125mmX75mm)	Each	176		
1.3	6 Module (200mmX75mm)	Each	188		
1.4	8 Module (250mmX75mm)	Each	84		
1.5	12 Module (400mmX75mm)	Each	100		
2	Supply of cables for main circuit wiring of the following sizes				
2.1	4C 1x50 Sq mm AL XLPE cable.	Mtr.	42	30.00	1260.00
2.2	4C 1x35 Sq mm AL XLPE cable.	Mtr.	525	30.00	15750.00
2.3	4C 1x185 Sq mm AL XLPE cable.	Mtr.	142	40.00	5680.00
2.4	4C 1x16 Sq mm AL XLPE cable.	Mtr.	385	20.00	7700.00
2.5	3.5C 1x185 Sq mm AL XLPE cable.	Mtr.	160	40.00	6400.00
2.6	3.5C 1x120 Sq mm AL XLPE cable.	Mtr.	650	40.00	26000.00
2.7	3.5C 1x95 Sq mm AL XLPE cable.	Mtr.	110	40.00	4400.00
2.8	2C 1x6 Sq mm AL XLPE cable.	Mtr.	245	20.00	4900.00
2.9	2C 1x25 Sq mm AL XLPE cable.	Mtr.	300	20.00	6000.00
2.10	2C 1x2.5 Sq mm Cu XLPE cable.	Mtr.	45	20.00	900.00
2.11	2C 1x16 Sq mm AL XLPE cable.	Mtr.	195	20.00	3900.00
2.12	2C 1x10 Sq mm AL XLPE cable.	Mtr.	200	20.00	4000.00
2.13	1C 1x95 Sq mm AL XLPE cable (Earthing cable).	Mtr.	88	15.00	1320.00
2.14	1C 1x50 Sq mm AL XLPE cable (Earthing cable).	Mtr.	230	15.00	3450.00
2.15	1C 1x35 Sq mm AL XLPE cable (Earthing cable).	Mtr.	171	10.00	1710.00
2.16	1C 1x16 Sq mm AL XLPE cable (Earthing cable).	Mtr.	231	10.00	2310.00
2.17	1C 1x120 Sq mm AL XLPE cable (Earthing cable).	Mtr.	82	15.00	1230.00
3	Supply of cables/wires for circuit/sub main wiring along with earth wire with the following sizes of PVC insulated copper conductor				
3.1	1C 1 Sqmm (Red, Black, Blue)	Mtr.	2420		
3.2	1C 1.5 Sqmm (Red, Black,Green)	Mtr.	1115		
3.3	1C 2.5 Sqmm (Red, Black,Green)	Mtr.	750		
3.4	3C 1.5 Sqmm with Earth wire	Mtr.	2280		
3.5	3C 2.5 Sqmm with Earth wire	Mtr.	2850		
3.6	3C 4 Sqmm with Earth wire	Mtr.	3725		
4	Supplying lugs and pin type non insulated terminals of following size				
4.1	Ring type lugs 16 Sq mm	Each	20	200.00	4000.00
4.2	Ring type lugs 35 Sq mm	Each	50	200.00	10000.00
4.3	Ring type lugs 50 Sq mm	Each	50	200.00	10000.00
4.4	Ring type lugs 70 Sq mm	Each	20	200.00	4000.00
4.5	Ring type lugs 95 Sq mm	Each	20	200.00	4000.00
4.6	Ring type lugs 120 Sq mm	Each	50	200.00	10000.00
4.7	Ring type lugs 185 Sq mm	Each	10	200.00	2000.00
4.8	Pin type lugs 1.5 Sq mm	Each	100		0.00
4.9	Pin type lugs 2.5 Sq mm	Each	100		0.00
4.10	Pin type lugs 6 Sq mm	Each	30	200.00	6000.00
4.11	Pin type lugs 10 Sq mm	Each	20	200.00	4000.00
4.12	Pin type lugs 16 Sq mm	Each	80	200.00	16000.00
4.13	Pin type lugs 25 Sq mm	Each	20	200.00	4000.00
5	Supplying following modular switch/ socket				
5.1	32A socket outlet with 32A switch (Universal Type)	Each	158	300.00	47400.00
5.2	3 pin 5/6 amp socket outlet (Universal Type)	Each	880		
5.3	10A switch for sockets	Each	880	300.00	264000.00
5.4	6A switch lights	Each	395	300.00	118500.00
5.5	6A 2-way switch lights	Each	25		

6	Supplying following GI cable ladder with all accessories (nuts,bolts,couplers etc.)				
6.1	GI Cable ladder 600mmx100mm	Mtr.	36		
6.2	GI Cable ladder Inside riser 600mmx100mm,90°	Each	4		
6.3	GI Cable ladder Outside riser 600mmx100mm,90°	Each	2		
6.4	Cable tray support Cantilever arms 250mm	Each	150		
6.5	Coupler Sets Straight length to straight length	Each	12		
6.6	Coupler Sets Fitting to fitting	Each	6		
6.7	GI Perforated sheet 225mm	Mtr.	200		
6.8	Cable ties large	Packets	15		
6.9	Cable ties medium	Packets	10		
7	Earthing				
7.1	Supply, Installation, Testing and commissioning of maintenance free earthing comprising of Electrode of 17.2 mm diameter Low Carbon Steel with 250 micron molecular copper bonded earthing rod of Length 3m along with 25 kg Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity complete. Specification Nos. EA-MOBI	Each	5		
7.2	Earthing Continuity Conductors 25 x 3mm G.I.	Mtr.	65		
7.3	Earthing Continuity Conductors 25 x 6mm G.I.	Mtr.	55		
7.3	Ground Busbar panel wall mounted (450mm x 450mm x 200mm) with tinned Busbar 50x6mm of minimum length 350mm	Mtr.	2		
8	Light Fixtures				
8.1	1 x 36 watt 600x600mm Surface mounting type LED light fixture complete with all accessories as required.(3600 Lum)	Each	40		
8.2	1 x 20 watt 600x600mm Recess mounting type LED light fixture complete with all accessories as required.(2400 Lum)	Each	135		
8.3	1 x 18 watt 300x300mm Surface mounting type LED light fixture complete with all accessories as required.(1350 Lum)	Each	70		
8.4	1 x 25 watt 600x600mm Surface mounting type LED light fixture complete with all accessories as required.(3250 Lum)	Each	15		
8.5	1 x 12 watt round, Recess mounting type LED light fixture complete with all accessories as required.(1100 Lum)	Each	75		
8.6	1 x 21 watt, 1398x200mm Surface mounting type LED light fixture complete with all accessories as required.(2600 Lum)	Each	119		
9	1" PVC Conduit	Mtr.	To be provided by Electrician.		
10	Bends	Each			
11	1" Chanel	Mtr.			
Note:	<p>1. Above material list is based on the drawings provided. Actual quantity may vary slightly as per the site conditions.</p> <p>2. Internal material of TF block B is not included.</p>				