



FHTS HOTEL – POWER SYSTEM DESIGN

Maldives National University, Male', Maldives



27 January 2020

Summary Diagram

Incoming from STELCO

Existing Panel in MNU
Panel Room

250A 250A 250A

FHTS Main
Panel A

FHTS Main
Panel B

Hotel Main Panel (Hotel Lobby Ground Floor)

160A

125A

100A

100A

100A

100A

100A

MDB 1-B
Ground Floor

MDB 2-B
Floor 1

MDB 8-A
Floor 7

MDB 8-B
Floor 7

MDB 9-A
Floor 8

MDB 9-B
Floor 8

Spare

40A Kitchen DB-1
100A Kitchen DB-2
40A Lobby DB
40A Restaurant DB
40A B.Office & Reserv. DB
63A Spare

40A Kitchen DB-1
100A Kitchen DB-2
40A Banquet Hall DB-1
40A Univia Office DB
40A Banquet Hall DB-2
63A Spare

40A G. Room 7 DB
40A G.Room 8 DB
40A S. Room 1 DB
40A G. Room 11 DB
40A Corridor DB
40A G. Room 12 DB
40A Housekeeping DB
40A G. Room 9 DB
40A G. Room 10 DB
40A Spare

40A G. Room 1 DB
40A S. Room 2 DB
40A G. Room 5 DB
40A G. Room 6 DB
40A Corridor DB
40A Pantry DB
40A G. Room 3 DB
40A G. Room 4 DB
40A G. Room 2 DB
40A Spare

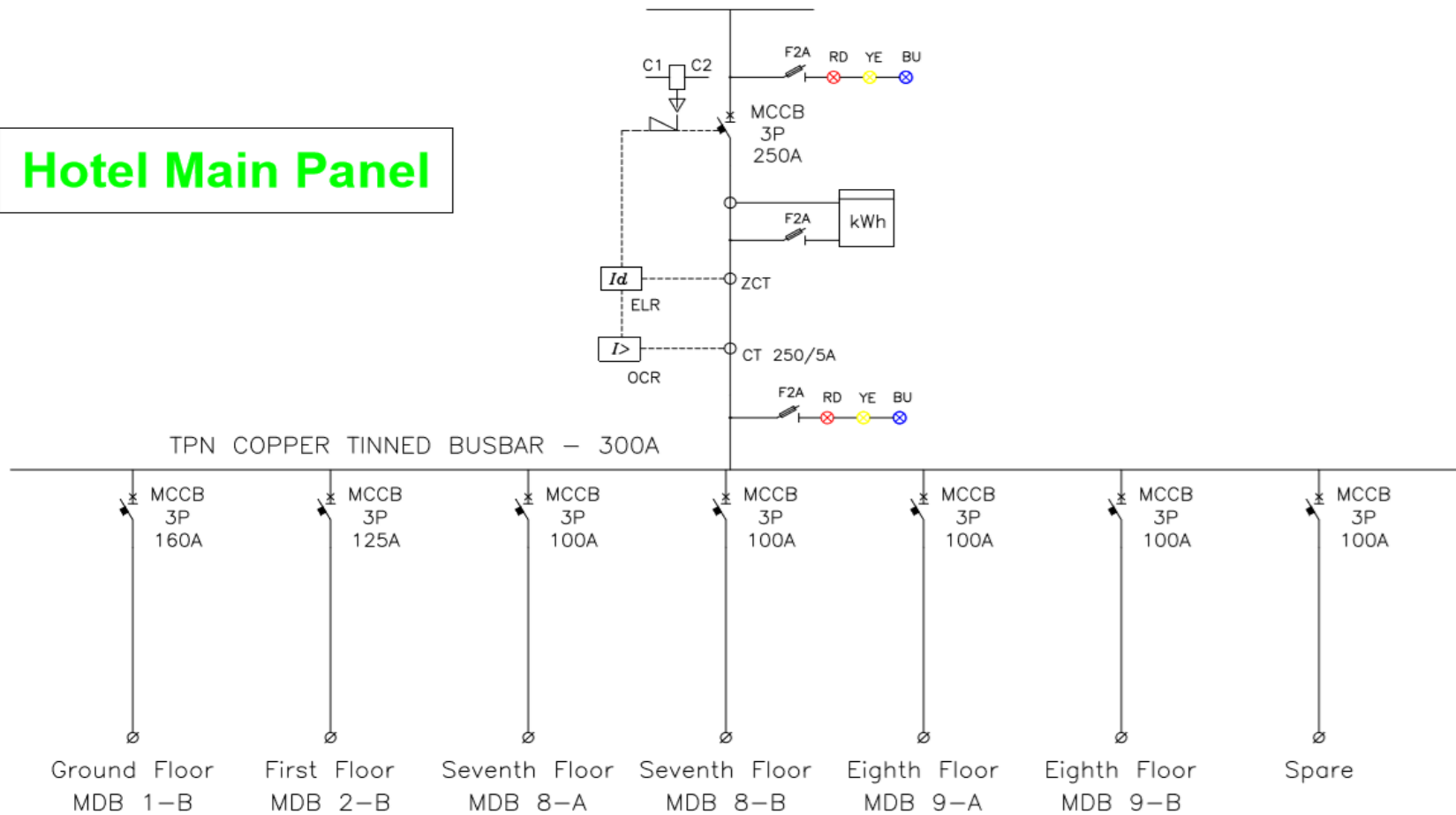
40A G. Room 7 DB
40A S. Room 1 DB
40A G. Room 8 DB
40A G. Room 11 DB
40A Corridor DB
40A G. Room 12 DB
40A Housekeeping DB
40A G. Room 9 DB
40A G. Room 10 DB
40A Spare

40A G. Room 1 DB
40A S. Room 2 DB
40A G. Room 5 DB
40A G. Room 6 DB
40A Corridor DB
40A Pantry DB
40A G. Room 3 DB
40A G. Room 4 DB
40A G. Room 2 DB
40A Spare

Single Line Diagram

Hotel Main Panel

From Transformer Panel



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Building MNU

Customer: Maldives National University

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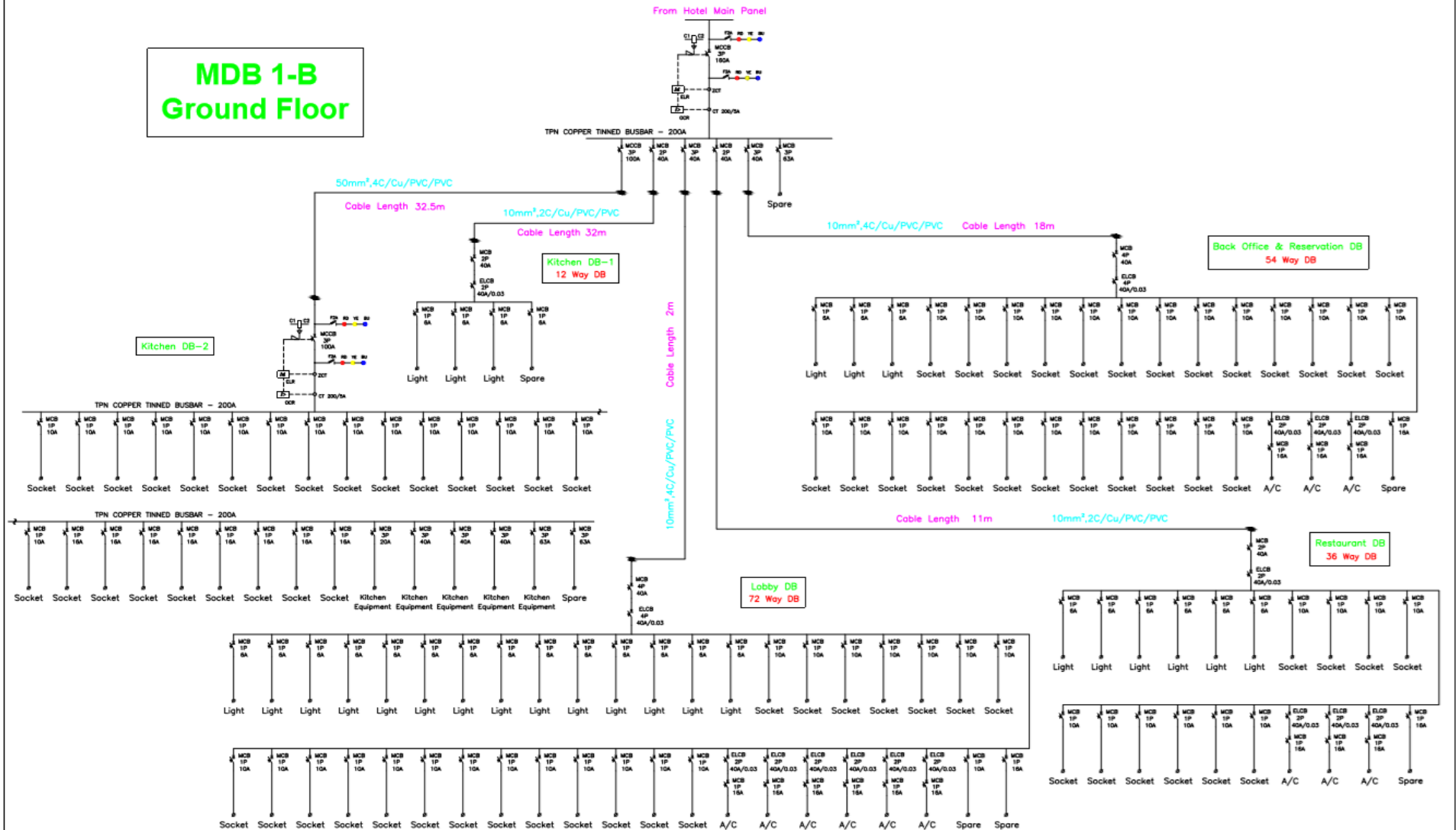
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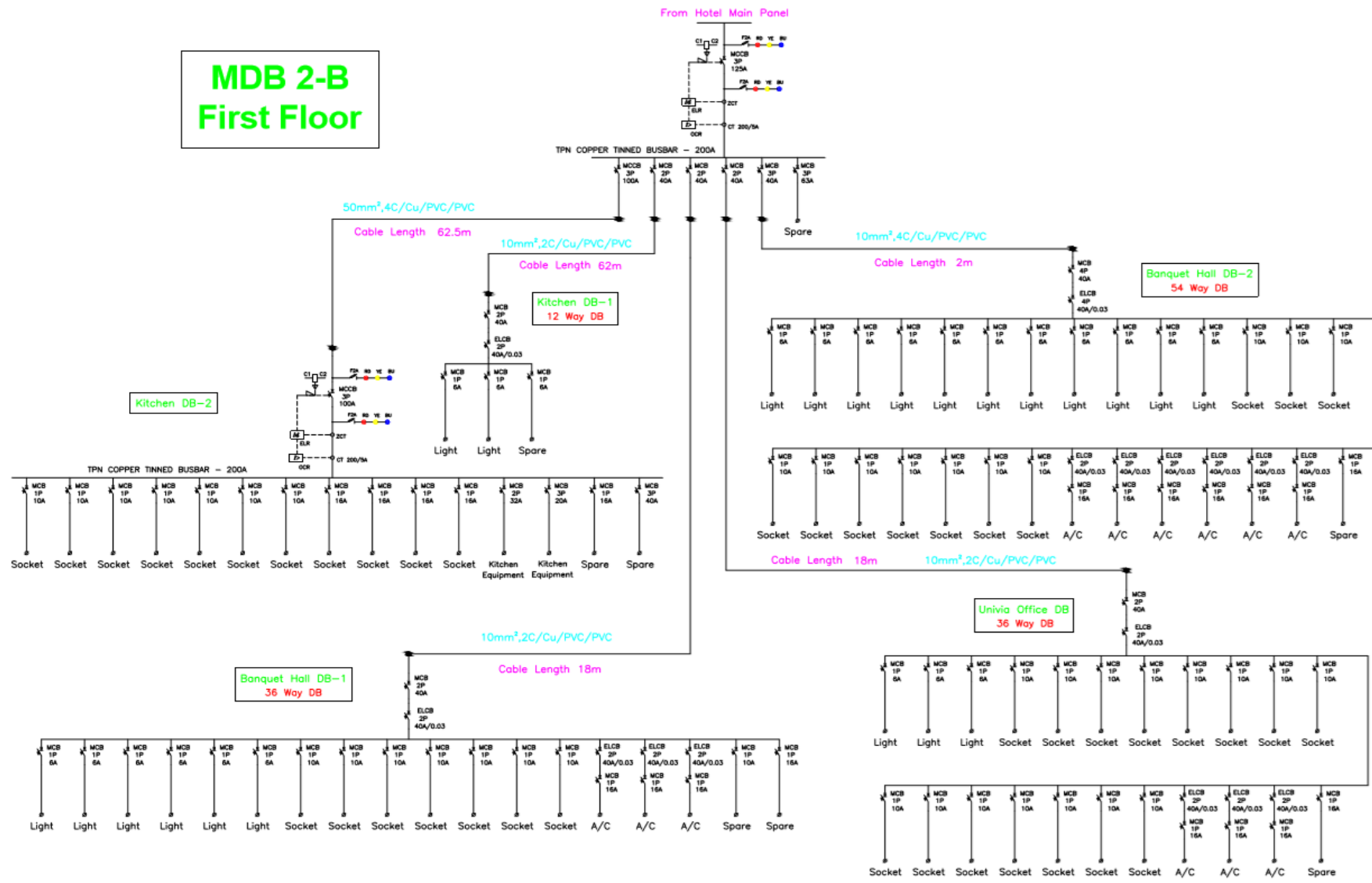
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MDB 1-B
Ground Floor



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MDB 2-B **First Floor**



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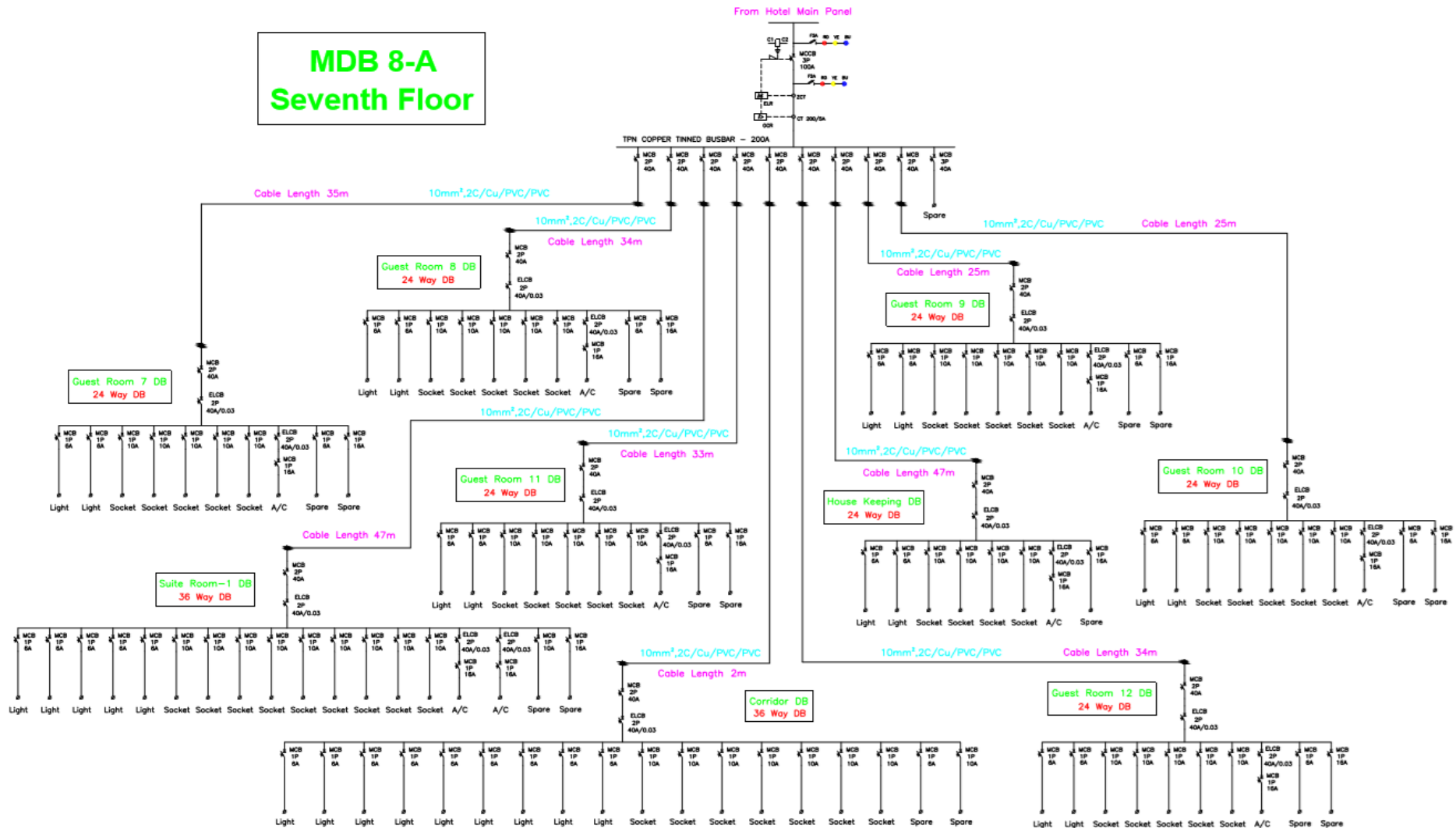
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MDB 8-A Seventh Floor



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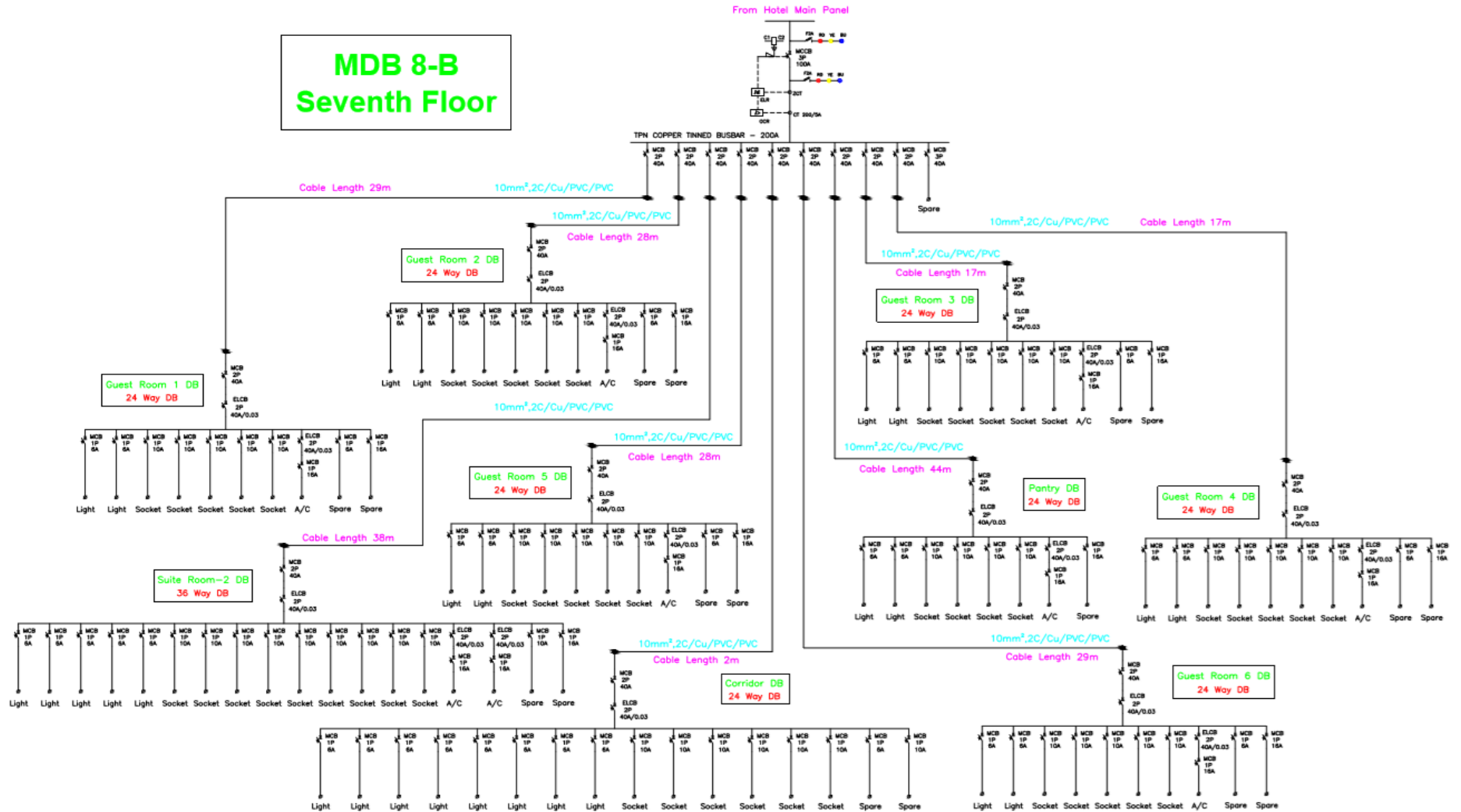
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MDB 8-B Seventh Floor



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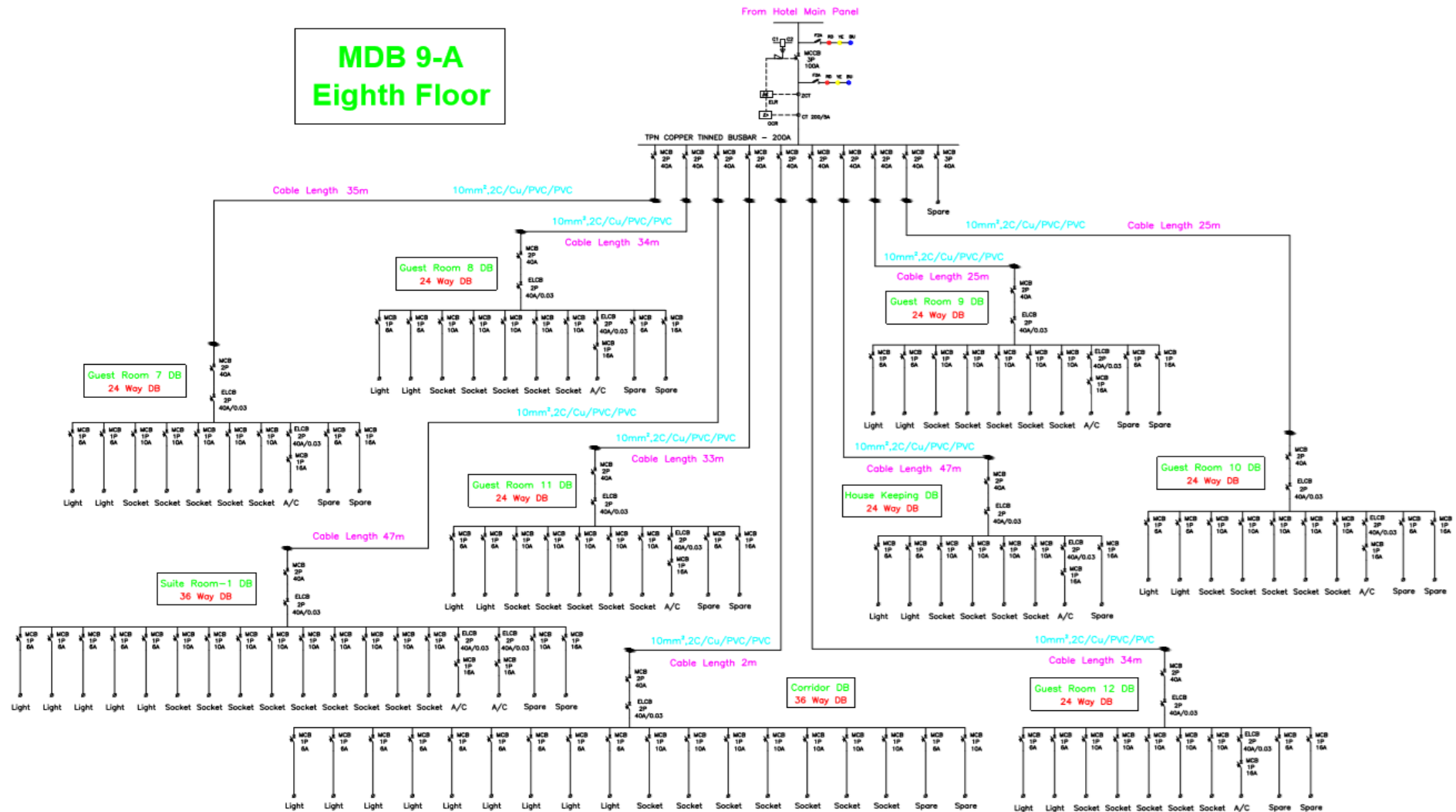
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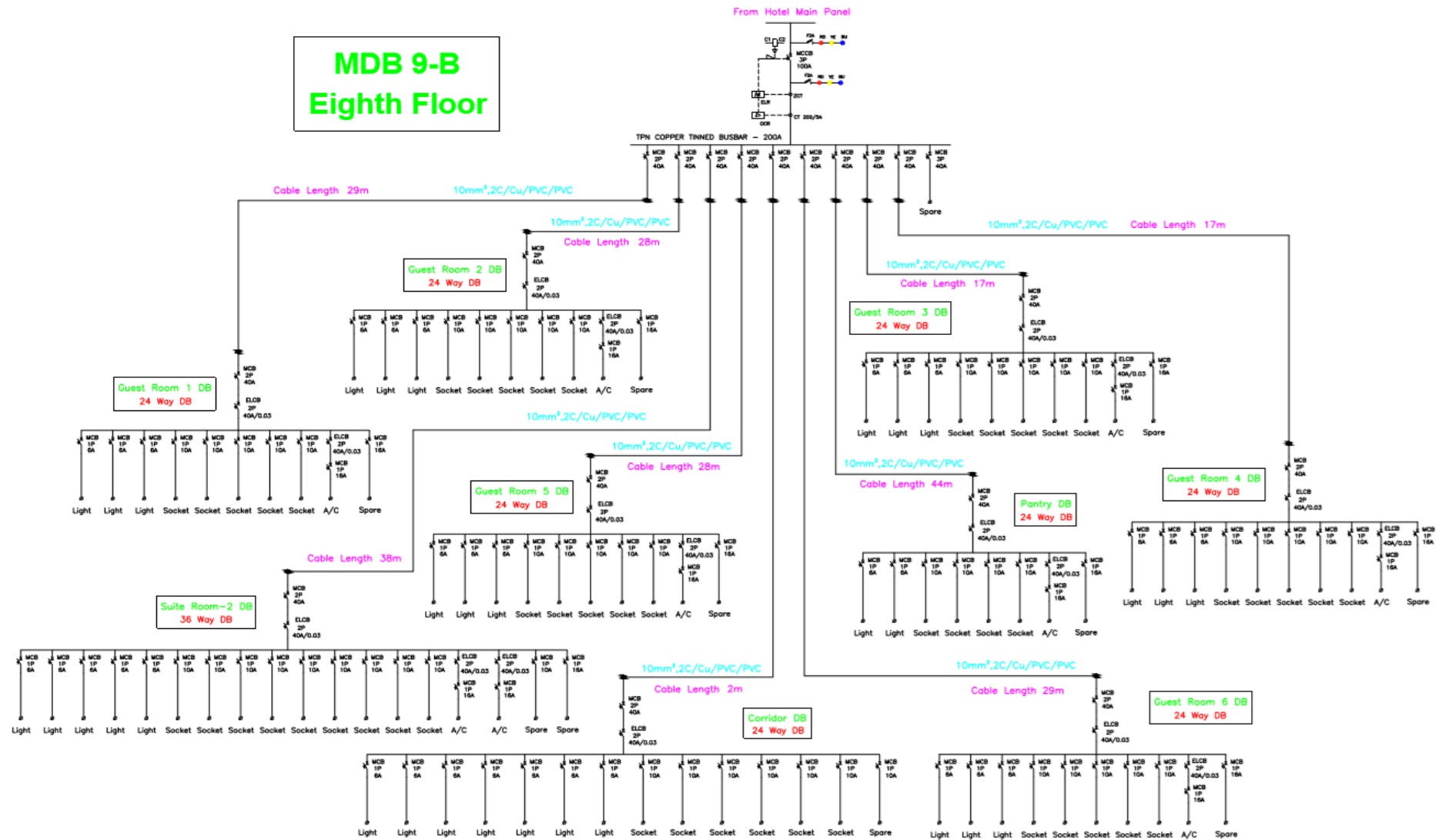
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MDB 9-A **Eighth Floor**



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MDB 9-B Eighth Floor



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Building MNU

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Materials Specification

S.No.	Items	Specification			
1	MCB 6A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	6A	6A	6A
		Poles	1P	1P	1P
		Breaking Capacity	4kA	4kA	4kA
		Curve Code	C	C	C
2	MCB 10A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	10A	10A	10A
		Poles	1P	1P	1P
		Breaking Capacity	4kA	4kA	4kA
		Curve Code	C	C	C
3	MCB 16A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	16A	16A	16A
		Poles	1P	1P	1P
		Breaking Capacity	4kA	4kA	4kA
		Curve Code	C	C	C
4	MCB 20A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	20A	20A	20A
		Poles	2P	2P	2P
		Breaking Capacity	6kA	6kA	6kA
		Curve Code	C	C	C

5	MCB 32A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	32A	32A	32A
		Poles	2P	2P	2P
		Breaking Capacity	6kA	6kA	6kA
		Curve Code	C	C	C
6	MCB 40A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	40A	40A	40A
		Poles	2P	2P	2P
		Breaking Capacity	10kA / 6kA	10kA / 6kA	10kA / 6kA
		Curve Code	C	C	C

S.No.	Items	Specification			
7	MCB 20A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	20A	20A	20A
		Poles	3P	3P	3P
		Breaking Capacity	6kA	6kA	6kA
		Curve Code	C	C	C
8	MCB 32A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	32A	32A	32A
		Poles	3P	3P	3P
		Breaking Capacity	6kA	6kA	6kA
		Curve Code	C	C	C
9	MCB 40A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	40A	40A	40A
		Poles	3P	3P	3P
		Breaking Capacity	10kA / 6kA	10kA / 6kA	10kA / 6kA
		Curve Code	C	C	C
10	MCB 63A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	63A	63A	63A
		Poles	3P	3P	3P
		Breaking Capacity	10kA / 6kA	10kA / 6kA	10kA / 6kA
		Curve Code	C	C	C

11	MCB 40A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	40A	40A	40A
		Poles	4P	4P	4P
		Breaking Capacity	10kA	10kA	10kA
		Curve Code	C	C	C
12	MCB 63A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	63A	63A	63A
		Poles	4P	4P	4P
		Breaking Capacity	10kA	10kA	10kA
		Curve Code	C	C	C

S.No.	Items	Specification			
13	MCCB 100A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	100A	100A	100A
		Poles	3P	3P	3P
		Breaking Capacity	25kA/16kA	25kA/16kA	25kA/16kA
14	MCCB 125A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	125A	125A	125A
		Poles	3P	3P	3P
		Breaking Capacity	25kA/16kA	25kA/16kA	25kA/16kA
15	MCCB 160A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	160A	160A	160A
		Poles	3P	3P	3P
		Breaking Capacity	25kA/16kA	25kA/16kA	25kA/16kA
16	MCCB 250A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	250A	250A	250A
		Poles	3P	3P	3P
		Breaking Capacity	25kA/16kA	25kA/16kA	25kA/16kA
17	ELCB 40A	Brand Name	Schneider	hager	ABB
		Current Rating	40A	40A	40A
		Poles	2P	2P	4P
		Breaking Capacity	1.5kA/1kA	1.5kA/1kA	1.5kA/1kA

		Rated Residual Operating Current, Tripping Time	30mA, 30ms	30mA, 30ms	30mA, 30ms
18	ELCB 40A	Brand Name	Schneider	hager	ABB
		Current Rating (In)	40A	40A	40A
		Poles	4P	4P	4P
		Breaking Capacity	1.5kA/1kA	1.5kA/1kA	1.5kA/1kA
		Rated Residual Operating Current, Tripping Time	30mA, 30ms	30mA, 30ms	30mA, 30ms
19	ELCB 63A	Brand Name	Schneider	hager	ABB
		Current Rating	63A	63A	63A
		Poles	4P	4P	4P
		Breaking Capacity	1.5kA/1kA	1.5kA/1kA	1.5kA/1kA
		Rated Residual Operating Current, Tripping Time	30mA, 30ms	30mA, 30ms	30mA, 30ms

S.No.	Items	Specification	
20	LIGHT	Lighting Type	LED
		Wattage	18W
		Input Voltage	165-260V Ac
		Color Temperature	6500 K

DISTRIBUTION BOX (DB) DETAILS

Ground Floor		
Hotel Main Panel		
No	Items	Quantity in No's
1	MCCB 3P 250A With Shunt Trip	1
2	ELR	1
3	OCR	1
4	ZCT	1
5	kWh CT Meter	1
6	FUSE 2A	3
7	CT - 250/5A	1
8	LED (RYB)	2 set
9	MCCB 3P 160A	1
10	MCCB 3P 125A	1
11	MCCB 3P 100A	5
12	TPN COPPER TINNED BUSBAR 300A	1
MDB 1 - B		
No	Items	Quantity in No's
1	MCCB 3P 160A With Shunt Trip	1
2	ELR	1
3	OCR	1
4	ZCT	1
5	CT - 200/5A	1
6	FUSE 2A	2
7	LED (RYB)	2 set
8	MCB 2P 40A	2

9	MCB 3P 40A	2
10	MCB 3P 63A	1
11	MCCB 3P 100A	1
12	TPN COPPER TINNED BUSBAR 200A	1
Lobby DB		
No	Items	Quantity in No's
1	Light	66
2	Exhaust Fan	4
3	13A Single Socket	2
4	13A Double Socket	17
5	15A Socket	6
6	A/C	6
7	MCB 4P 40A	1
8	MCB 1P 6A	14
9	MCB 1P 10A	21
10	MCB 1P 16A	7
11	ELCB 2P 40A	6
12	ELCB 4P 40A	1
13	54 Way DB Box	1
Back Office& Reservation DB		
No	Items	Quantity in No's
1	Light	12
2	13A Double Socket	25

3	15A Socket	3
4	A/C	3
5	MCB 4P 40A	1
6	MCB 1P 6A	3
7	MCB 1P 10A	25
8	MCB 1P 16A	4
9	ELCB 2P 40A	3
10	ELCB 4P 40A	1
11	48 Way DB Box	1
Restaurant DB		
No	Items	Quantity in No's
1	Light	30
2	13A Double Socket	10
3	15A Socket	3
4	A/C	3
5	MCB 2P 40A	1
6	MCB 1P 6A	6
7	MCB 1P 10A	10
8	MCB 1P 16A	4
9	ELCB 2P 40A	4
10	36 Way DB Box	1
Kitchen DB 1		
No	Items	Quantity in No's
1	Light	12
2	MCB 2P 40A	1

3	MCB 1P 6A	4
4	ELCB 2P 40A	1
5	12 Way DB Box	1
Kitchen DB 2		
1	13A Single Socket	4
2	13A Double Socket	14
3	15A Socket	8
4	MCCB 3P 100A With Shunt Trip	1
5	ELR	1
6	OCR	1
7	ZCT	1
8	CT - 200/5A	1
9	Fuse 2A	2
10	LED (RYB)	2 set
11	MCB 1P 10A	16
12	MCB 1P 16A	8
13	MCB 3P 20A	1
14	MCB 3P 40A	3
15	MCB 3P 63A	2
16	TPN Copper Tinned Busbar 200A	1
First Floor		
MDB 2 - B		
No	Items	Quantity in No's
1	MCCB 3P 125A With Shunt Trip	1
2	ELR	1

3	OCR	1
4	ZCT	1
5	CT - 200/5A	1
6	FUSE 2A	2
7	LED (RYB)	2 set
8	MCB 2P 40A	3
9	MCB 3P 40A	1
10	MCB 3P 63A	1
11	MCCB 3P 100A	1
12	TPN COPPER TINNED BUSBAR 200A	1
Banquet Hall 1 DB		
No	Items	Quantity in No's
1	Light	27
2	Fan	2
3	13A Double Socket	7
4	15A Socket	3
5	A/C	3
6	MCB 2P 40A	1
7	MCB 1P 6A	6
8	MCB 1P 10A	8
9	MCB 1P 16A	4
10	ELCB 2P 40A	4
11	36 Way DB Box	1
Banquet Hall 2 (include Corridor) DB		
No	Items	Quantity in No's

1	Light	47
2	Fan	4
3	Exhaust Fan	2
4	13A Single Socket	2
5	13A Double Socket	8
6	15A Socket	6
7	A/C	6
8	MCB 4P 40A	1
9	MCB 1P 6A	11
10	MCB 1P 10A	10
11	MCB 1P 16A	7
12	ELCB 2P 40A	6
13	ELCB 4P 40A	1
14	48 Way DB Box	1
Univia Office DB		
No	Items	Quantity in No's
1	Light	10
2	Fan	5
3	13A Double Socket	15
4	15A Socket	3
5	A/C	3
6	MCB 2P 40A	1
7	MCB 1P 6A	3
8	MCB 1P 10A	15
9	MCB 1P 16A	4

10	ELCB 2P 40A	4
11	36 Way DB Box	1
Kitchen DB 1		
No	Items	Quantity in No's
1	Light	8
2	Fan	2
3	MCB 2P 40A	1
4	MCB 1P 6A	3
5	ELCB 2P 40A	1
6	12 Way DB Box	1
Kitchen DB 2		
1	13A Single Socket	2
2	13A Double Socket	6
3	15A Socket	4
4	MCCB 3P 100A With Shunt Trip	1
5	ELR	1
6	OCR	1
7	ZCT	1
8	CT - 200/5A	1
9	Fuse 2A	2
10	LED (RYB)	2 set
11	MCB 1P 10A	7
12	MCB 1P 16A	5
13	MCB 3P 20A	1
14	MCB 2P 32A	1

15	MCB 3P 40A	1
16	TPN Copper Tinned Busbar 200A	1
Seventh Floor		
MDB 8 - B		
No	Items	Quantity in No's
1	MCCB 3P 100A With Shunt Trip	1
2	ELR	1
3	OCR	1
4	ZCT	1
5	CT - 200/5A	1
6	FUSE 2A	2
7	LED (RYB)	2 set
8	MCB 2P 40A	9
9	MCB 3P 40A	1
10	TPN COPPER TINNED BUSBAR 200A	1
Corridor-1 DB		
No	Items	Quantity in No's
1	Light	39
2	13A Single Socket	6
3	13A Double Socket	3
4	15A Socket	
5	MCB 2P 40A	1
6	MCB 1P 6A	9
7	MCB 1P 10A	7
8	ELCB 2P 40A	1

9	36 Way DB Box	1
Guest Room 1 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 2 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1

8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 3 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 4 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1

3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 5 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2

13	24 Way DB Box	1
Guest Room 6 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Suite Room 2 DB		
No	Items	Quantity in No's
1	Light	22
2	Fan	2
3	Calling Bell	1
4	Exhaust Fan	1
5	13A Single Socket	4
6	13A Double Socket	6
7	15A Socket	2

8	A/C	2
9	MCB 2P 40A	1
10	MCB 1P 6A	5
11	MCB 1P 10A	10
12	MCB 1P 16A	3
13	ELCB 2P 40A	3
14	36 Way DB Box	1
Pantry DB		
No	Items	Quantity in No's
1	Light	6
2	Fan	2
3	13A Double Socket	4
4	15A Socket	1
5	A/C	1
6	MCB 2P 40A	1
7	MCB 1P 6A	2
8	MCB 1P 10A	4
9	MCB 1P 16A	2
10	ELCB 2P 40A	2
11	24 Way DB Box	1
MDB 8 - A		
No	Items	Quantity in No's
1	MCCB 3P 100A With Shunt Trip	1
2	ELR	1
3	OCR	1

4	ZCT	1
5	CT - 200/5A	1
6	FUSE 2A	2
7	LED (RYB)	2 set
8	MCB 2P 40A	9
9	MCB 3P 40A	1
10	TPN COPPER TINNED BUSBAR 200A	1
Guest Room 7 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 8 DB		
No	Items	Quantity in No's
1	Light	9

2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 9 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2

12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 10 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 11 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1

7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 12 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Suite Room 1 DB		
No	Items	Quantity in No's
1	Light	22

2	Fan	2
3	Calling Bell	1
4	Exhaust Fan	1
5	13A Single Socket	4
6	13A Double Socket	6
7	15A Socket	2
8	A/C	2
9	MCB 2P 40A	1
10	MCB 1P 6A	5
11	MCB 1P 10A	10
12	MCB 1P 16A	3
13	ELCB 2P 40A	3
14	36 Way DB Box	1
Housing Keeping DB		
No	Items	Quantity in No's
1	Light	6
2	Fan	2
3	13A Double Socket	4
4	15A Socket	1
5	A/C	1
6	MCB 2P 40A	1
7	MCB 1P 6A	2
8	MCB 1P 10A	4
9	MCB 1P 16A	2
10	ELCB 2P 40A	2

11	24 Way DB Box	1
Corridor 2 DB		
No	Items	Quantity in No's
1	Light	45
2	13A Single Socket	8
3	13A Double Socket	2
4	Exhaust Fan	2
5	MCB 2P 40A	1
6	MCB 1P 6A	10
7	MCB 1P 10A	8
8	ELCB 2P 40A	1
9	36 Way DB Box	1
Eight Floor		
MDB 9 - B		
No	Items	Quantity in No's
1	MCCB 3P 100A With Shunt Trip	1
2	ELR	1
3	OCR	1
4	ZCT	1
5	CT - 200/5A	1
6	FUSE 2A	2
7	LED (RYB)	2 set
8	MCB 2P 40A	9
9	MCB 3P 40A	1
10	TPN COPPER TINNED BUSBAR 200A	1

Corridor 1 DB		
No	Items	Quantity in No's
1	Light	31
2	13A Single Socket	6
3	13A Double Socket	3
4	15A Socket	
5	MCB 2P 40A	1
6	MCB 1P 6A	7
7	MCB 1P 10A	7
8	ELCB 2P 40A	1
9	24 Way DB Box	1
Pantry DB		
No	Items	Quantity in No's
1	Light	6
2	Fan	2
3	13A Double Socket	4
4	15A Socket	1
5	A/C	1
6	MCB 2P 40A	1
7	MCB 1P 6A	2
8	MCB 1P 10A	4
9	MCB 1P 16A	2
10	ELCB 2P 40A	2
11	24 Way DB Box	1
Guest Room 1 DB		

No	Items	Quantity in No's
1	Light	10
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 2 DB		
No	Items	Quantity in No's
1	Light	10
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3

10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 3 DB		
No	Items	Quantity in No's
1	Light	10
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 4 DB		
No	Items	Quantity in No's
1	Light	10
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2

5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 5 DB		
No	Items	Quantity in No's
1	Light	10
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 6 DB		

No	Items	Quantity in No's
1	Light	10
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Suite Room 2 DB		
No	Items	Quantity in No's
1	Light	20
2	Fan	2
3	Calling Bell	1
4	Exhaust Fan	1
5	13A Single Socket	4
6	13A Double Socket	6
7	15A Socket	2
8	A/C	2
9	MCB 2P 40A	1

10	MCB 1P 6A	5
11	MCB 1P 10A	10
12	MCB 1P 16A	3
13	ELCB 2P 40A	3
14	36 Way DB Box	1
MDB 9 - A		
No	Items	Quantity in No's
1	MCCB 3P 100A With Shunt Trip	1
2	ELR	1
3	OCR	1
4	ZCT	1
5	CT - 200/5A	1
6	FUSE 2A	2
7	LED (RYB)	2 set
8	MCB 2P 40A	9
9	MCB 3P 40A	1
10	TPN COPPER TINNED BUSBAR 200A	1
Guest Room 7 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1

7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 8 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 9 DB		
No	Items	Quantity in No's
1	Light	9

2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 10 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2

12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 11 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1
7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Guest Room 12 DB		
No	Items	Quantity in No's
1	Light	9
2	Calling Bell	1
3	Exhaust Fan	1
4	13A Single Socket	2
5	13A Double Socket	3
6	15A Socket	1

7	A/C	1
8	MCB 2P 40A	1
9	MCB 1P 6A	3
10	MCB 1P 10A	5
11	MCB 1P 16A	2
12	ELCB 2P 40A	2
13	24 Way DB Box	1
Suite Room 1 DB		
No	Items	Quantity in No's
1	Light	20
2	Fan	2
3	Calling Bell	1
4	Exhaust Fan	1
5	13A Single Socket	4
6	13A Double Socket	6
7	15A Socket	2
8	A/C	2
9	MCB 2P 40A	1
10	MCB 1P 6A	5
11	MCB 1P 10A	10
12	MCB 1P 16A	3
13	ELCB 2P 40A	3
14	36 Way DB Box	1
Housing Keeping DB		
No	Items	Quantity in No's

1	Light	6
2	Fan	2
3	13A Double Socket	4
4	15A Socket	1
5	A/C	1
6	MCB 2P 40A	1
7	MCB 1P 6A	2
8	MCB 1P 10A	4
9	MCB 1P 16A	2
10	ELCB 2P 40A	2
11	24 Way DB Box	1
Corridor 2 DB		
No	Items	Quantity in No's
1	Light	45
2	13A Single Socket	8
3	13A Double Socket	2
4	Exhaust Fan	2
5	MCB 2P 40A	1
6	MCB 1P 6A	10
7	MCB 1P 10A	8
8	ELCB 2P 40A	1
9	36 Way DB Box	1