

Pendent and OT Light prerequisites to be coordinated with the vendor and facilitate accordingly .  
Each OT consists of 2 Pendants and One OT light .  
Applicable for all OT's

FOR CONTINUATION REFER DRG NO. O19035-E-HP-02-R-0009

**A HOSPITAL BLOCK-FIFTH FLOOR-ELECTRICAL POWER LAYOUT - PART-B**  
0010 1 : 100

**LEGEND:**

S.NO.	SYMBOL	DESCRIPTION	MOUNTING HEIGHT	QTY
1		1 No. of 6A socket with 1 No. 6A switch for general purpose (RAW POWER)	1250mm / 450mm FROM FFL	34 Nos.
2		2 No. of 6A socket with 1 No. 6A switch for general purpose (RAW POWER)	1250mm / 450mm FROM FFL	62 Nos.
3		2 No. of 6A socket with 2 No. of 6A switch for general purpose (RAW POWER)	1250mm / 450mm FROM FFL	35 Nos.
4		1 No. of 6A socket with 1 No. 6A switch for hand dryer (RAW POWER)	1250mm FROM FFL	11 Nos.
5		2 No. of 6A socket with 2 No. of 6A switch for TV (RAW POWER)	1250mm FROM FFL	12 Nos.
6		1 No. of 6A socket with 1 No. 6A switch for MOPS (LPS POWER)	2100mm FROM FFL	11 Nos.
7		1 No. of 6A socket with 1 No. 6A switch for general purpose (LPS POWER)	450mm FROM FFL	35 Nos.
8		1 No. of 6A socket with 1 No. 6A switch for work station (LPS POWER)	450mm FROM FFL	12 Nos.
9		1 No. of 6A socket with 1 No. 6A switch for PSU (LPS POWER)	1250mm / 450mm FROM FFL	02 Nos.
10		2 No. of 6A socket with 2 No. 6A switch for general purpose (LPS POWER)	1250mm / 450mm FROM FFL	91 Nos.
11		2 No. of 6A socket with 2 No. 6A switch for general purpose (LPS POWER)	1250mm / 450mm FROM FFL	08 Nos.
12		1 No. of 6A socket with 1 No. 6A switch for general purpose (LPS POWER)	1250mm FROM FFL	32 Nos.
13		1 No. of 6A socket with 1 No. 6A switch for hoodster (LPS POWER)	1250mm FROM FFL	02 Nos.
14		1 No. of 6A socket provision for exhaust fan (RAW POWER)	NEAR TO EXHAUST FAN	15 Nos.
15		6A switch in switch box for exhaust fan	1250mm FROM FFL	15 Nos.
16		SUSPENDED SERVICE PENDANT	IN CEILING	16 Nos.
17		POWER DISTRIBUTION BOARD (PDB)	TOP OF DB TO BE 1850mm FROM FFL	03 Nos.
18		UPS DISTRIBUTION BOARD (UDB)	TOP OF DB TO BE 1850mm FROM FFL	03 Nos.

**NOTE:**  
MOUNTING HEIGHT AND LOCATION OF MEP SERVICE SOCKETS TO BE AS PER SITE CONDITION IN LINE WITH THE EQUIPMENT LOCATION HEIGHT INDICATED IN THE DRAWINGS ARE TENTATIVE ONLY. ACTUAL SOCKET FOR THE EQUIPMENT MUST BE PROVIDED BASED VENDOR INPUTS.

**NOTE:**  
WHEREVER WORKSTATION SOCKET PROVIDED IN FURNITURE, CONDUIT SHALL BE DROP NEARBY WALL AND FURTHER TO BE THROUGH FURNITURE.

**REFERENCE DRAWINGS: (LATEST REVISION)**

ARCHITECTURAL	SCI PHASE - 2 - FIFTH FLOOR PLAN PART-B
O19035-A-HP-02-WD-0002	STRUCTURAL
O19035-C-HP-02-NU-0009	SCI PHASE - 2 - LAYOUT AND NUMERATION DETAIL OF FOURTH FLOOR SLAB, BEAMS & WALLS
O19035-E-HP-02-LL-0010	ELECTRICAL
O19035-E-HP-02-EL-0012	SCI PHASE - 2 - FIFTH FLOOR - ELECTRICAL LIGHTING LAYOUT PART-B
O19035-E-HP-02-EL-0012	SCI PHASE - 2 - FIFTH FLOOR - ELECTRICAL EQUIPMENT AND CABLE TRAY LAYOUT PART-B
O19035-L-HP-02-LV-0023	ELV
O19035-L-HP-02-LV-0024	SCI PHASE - 3 - FIFTH FLOOR - ELV SYSTEM FLOOR LEVEL LAYOUT PART-B
O19035-L-HP-02-LV-0024	SCI PHASE - 3 - FIFTH FLOOR - ELV SYSTEM CEILING LAYOUT PART-B
O19035-F-HP-02-FP-0016	FPS
O19035-F-HP-02-FP-0016	SCI PHASE - 2 - FIFTH FLOOR - LAYOUT OF THE WETTERIS QUN DOWNCOMER AND AUTOMATIC SPRINKLER SYSTEM PART-B
O19035-F-HP-02-FP-0016	SCI PHASE - 2 - FIFTH FLOOR - LAYOUT OF ANALOGUE ADDRESSABLE FIRE PROTECTION FIRE ALARM SYSTEM PART-B
O19035-F-HP-02-FP-0016	SCI PHASE - 2 - FIFTH FLOOR - LAYOUT OF FIRE EVACUATION PLAN PART-B
O19035-M-HP-02-AC-0015	HVAC
O19035-M-HP-02-AC-0015	SCI PHASE - 2 - FIFTH FLOOR - AC DUCTING LAYOUT PART-B
O19035-V-HP-02-VS-0012	MEP
O19035-V-HP-02-VS-0012	SCI PHASE - 2 - FIFTH FLOOR - VENTILATION DUCTING LAYOUT PART-B
O19035-U-HP-02-UP-0025	PIPE
O19035-U-HP-02-UP-0025	SCI PHASE - 2 - FIFTH FLOOR - PIPE SLEEVE / CROCKET LAYOUT PART-B
O19035-U-HP-02-UP-0025	SCI PHASE - 2 - FIFTH FLOOR - WATER SUPPLY LAYOUT PART-B

**MAXIMUM PERMISSIBLE NO. OF SINGLE CORE CABLES UP TO AND INCLUDING 1100V WIRE CONFORMING TO NBC 2016**

S.NO.	WIRE SIZE	NO. OF WIRES IN CONDUIT	NO. OF WIRES IN BENDS	NO. OF WIRES IN BENDS
1	1.5 Sqmm	03 Nos.	10 Nos.	14 Nos.
2	2.5 Sqmm	03 Nos.	08 Nos.	12 Nos.
3	4.0 Sqmm	03 Nos.	05 Nos.	10 Nos.

**NOTE:**  
1. NO. OF WIRES DRAWN IN CONDUIT WITH DRAW: IN BOXES AT REGULAR INTERVALS AND BENDS OF THE CONDUIT EXCEEDING 15 DEGREE.  
2. NO. OF WIRES DRAWN IN CONDUIT DRAW: IN BOXES AT REGULAR INTERVALS AND BENDS OF THE CONDUIT EXCEEDING 15 DEGREE.

**IMPORTANT NOTE:**

1. POWER POINTS LOCATION & QUANTITY ARE SUBJECTED TO VENDORS EQUIPMENT DEMAND.  
2. SUBJECT TO REVISION AFTER INCORPORATING THE CHANGES INTIMATED BY THE CLIENT AS PER LATEST REVISIONS.

**IMPORTANT NOTE:**

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE DISTRIBUTION BOARD SCHEDULE REF. DOCUMENT NO. O19035-E-HP-02-DB-0002.  
2. INSTALLATION OF POWER SOCKETS SHALL BE DONE AFTER RELEASE OF COORDINATION GFC DRAWING.

**NOTES:**

1. ALL THE DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.  
ALL DIMENSIONS ARE TO BE THE CENTER OF OUTLET BOX, SWITCH SOCKET BOX, MCCOB.  
2. THE CONDUIT ROUTES SHALL BE CHOSEN FOR SHORTEST STRAIGHT RUNS WITH A MINIMUM NUMBER OF BENDS AND CROSSINGS.  
3. THE CONDUIT ROUTING HAS TO BE PROVIDED BASED ON THE POWER LAYOUT AND DB SCHEDULE.  
4. DRAW BOXES SHALL BE USED IN RUNS OF CONDUITS FOR EASY PULLING OF WIRES.  
5. ALL DISTRIBUTION BOARDS TOP ARE TO BE ALIGNED AT 1800mm FROM FFL.  
6. ALL SWITCH BOXES BOTTOM SHALL BE INSTALLED AT 1250mm FROM FFL UNLESS OTHERWISE SPECIFIED.  
7. ALL SWITCH BOXES OR SHALL BE FLUSH WITH THE WALL PARTITIONS NEATLY.  
8. PVC CONDUITS CONCEALED IN SLAB WALL BEAMS SHALL BE USED FOR POWER WIRING.  
9. DIMENSIONS SHOWN FOR LUGS: PDB, UDB & ARE TENTATIVE ONLY. EXACT DIMENSION SHALL BE AS PER FINAL APPROVED GA DRAWINGS.  
10. ACTION ON WIRES: WIRE PULLING DRAW OUT BOXES SHALL BE LOCATED AT CEILING SLAB IN LINE WITH THE RESPECTIVE DRAWING.  
11. SINCE THE ACTION BOXES WIRE PULLING BOXES LOCATED IN SLAB, ATTENDING THE AESTHETICS OF FINISHED SLAB THE SAME NEEDS TO BE OPTIMIZED AT THE BEST OR THE SAME NEEDS TO BE STRICTLY ALIGNED AS PER RESPECTIVE DRAWINGS.  
12. DRAWING SHALL BE INCORPORATE WITH ELV, HVAC & OTHER MEP DRAWINGS.

**CIRCUIT TAG NUMBERING & DESCRIPTIONS DETAILS:**

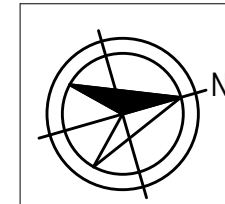
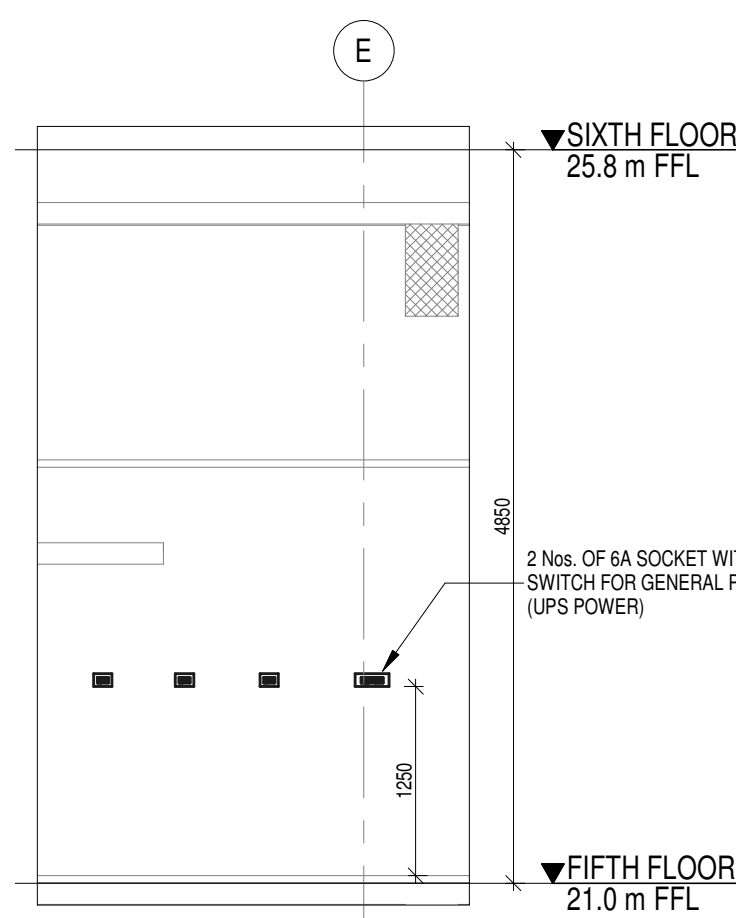
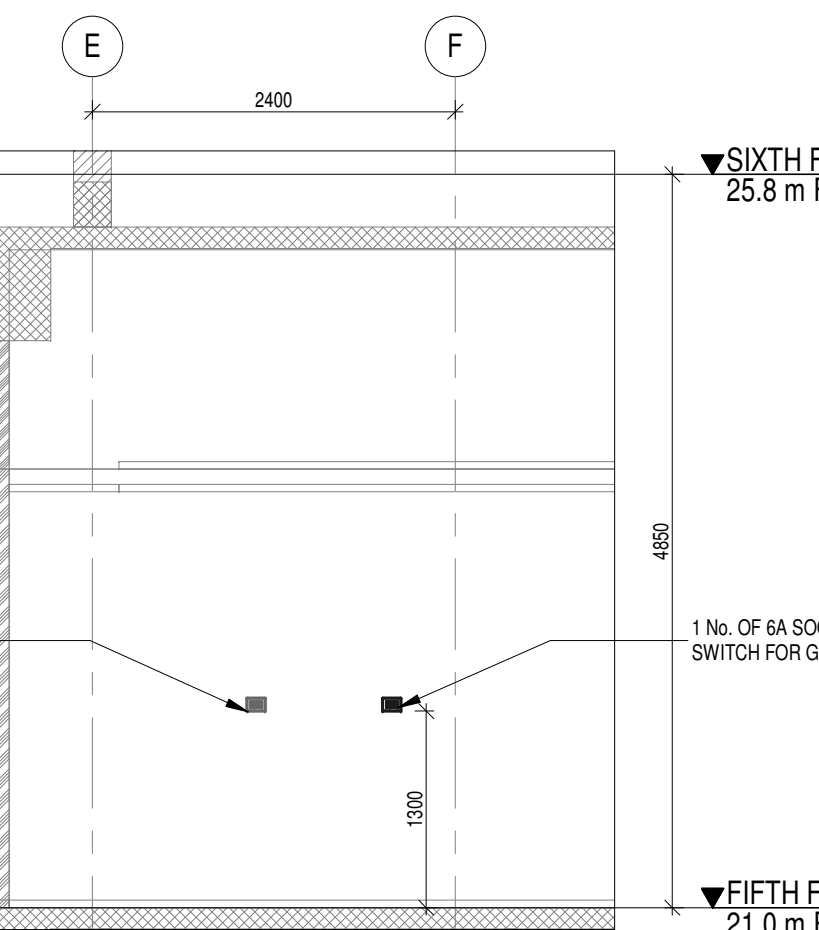
SE - 110V R1	SE - SP - R1

**CIRCUITING LEGEND:**

DB TYPE	PHASE	SYMBOL
PDB / UDB	R PHASE	
	Y PHASE	
	B PHASE	

S.NO.	FROM	TO	SIZE OF PVC / MS CONDUIT / CABLE TRAY	SIZE OF WIRES / CABLES
1	POWER PANEL - DB	PDBS	CABLE TRAY	1R-3SC x 25 Sqmm XLPE INSULATED AL/AL CABLE
2	LPS PANEL	UDBS	CABLE TRAY	1R-4C x 25 Sqmm XLPE INSULATED AL/AL CABLE
3	OT LPS PANEL	OT UDBS	CABLE TRAY	1R-4C x 25 Sqmm XLPE INSULATED AL/AL CABLE
4	PDBS / UDBS	250mm DIA. #	250mm DIA. #	2 RUNS OF 4 Sqmm (PVC) + 1 RUN OF 2.5 Sqmm (E) INSULATED PRLS CU WIRE
5	PDBS / UDBS	250mm DIA. #	250mm DIA. #	2 RUNS OF 2.5 Sqmm (PVC) + 1 RUN OF 1.5 Sqmm (E) INSULATED PRLS CU WIRE

# INDICATES THAT THE MAXIMUM SIZE OF CONDUITS SHALL BE USED, HOWEVER THE GROUPING OF CIRCUITS (SAME PHASE) OR BRANCHING OF CIRCUITS SHALL BE FOLLOWED AS RECOMMENDED IN IS-732.



KEYPLAN (NOT TO SCALE)

**CLIENT:** ASSAM CANCER CARE FOUNDATION

**PROJECT:** Proposed Cancer Centre At 18 Locations In Assam For Assam Cancer Care Foundation & M/s. Tata Trusts

**SUPPLIER / CONTRACTOR:** Larsen & Toubro Limited, Construction, Buildings & Factories

**JOB NO:** O19035

**TITLE:** HOSPITAL BLOCK  
FIFTH FLOOR-ELECTRICAL POWER LAYOUT-PART-B

**DRAWING NO:** O19035 - E - HP - 02 - PL - 0010

**REVISIONS:**

NO.	DATE	BY	CHKD BY	DATE	REVISION
0	16.09.2020	BSKK	BSKK	17.09.2020	ISSUED FOR APPROVAL
1	02.09.2020	BSKK	BSKK	03.09.2020	FOR APPROVAL

**DESIGNED:** BSKK  
**DRAWN:** BSKK  
**CHECKED:** BSKK  
**APPROVED:** BSKK

**SCALE:** As indicated

**REVISION NUMBER:**

**SECTION-01: 1:50**

**SECTION-02: 1:50**

**KEYPLAN (NOT TO SCALE)**

**PROJECTION:** 1st angle

**DATE:** 16.09.2020

**BY:** BSKK

**CHKD BY:** BSKK

**DATE:** 17.09.2020

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