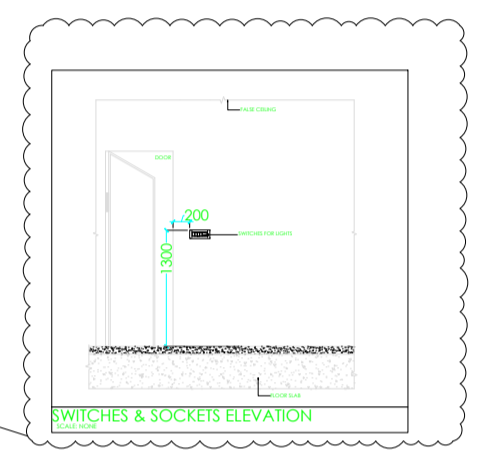


LEGEND			
SL. NO	SYMBOL	SB MODELS	DESCRIPTION
1			6A SOCKET
2			16A SOCKET
3			16A TWIN SOCKET
4			6A TWIN SOCKET
5			16A SOCKET & 6A SOCKET POPUP OUTLET ON TABLE
6			RJ-45 DATA OUTLET
7			32A SOCKET
8			6A SOCKET POPUP OUTLET ON TABLE
9			INTEGRATED PANEL-1 INCLUDES 3 GANG OF 5/16A SOCKET WITH 20A SWITCH, DATA & TEL SOCKET. THIS SOCKET BEHIND THE TV (3 FEET)
10			16A SOCKET FROM CEILING FOR LAB WORKSTATIONS
11			INDICATES ONE WAY, SWITCH CONTROL FOR LIGHTS
12			INDICATES TWO WAY, SWITCH CONTROL FOR LIGHTS
13			DISTRIBUTION BOARD
14			EXTRA LOW VOLTAGE DB
15			LIGHTING CIRCUIT R, Y, B 2X4.0+1.5 SQMM 25MMØ CONDUIT
16			WALL MOUNTED LIGHT
17			TRUE CEILING LIGHT
18			SUSPENDED LIGHT POINT
19			CEILING FAN
20			LED STRIP LIGHT
21			EMERGENCY
22			RACEWAY 50X50MM
23			JUNCTION BOX 100X100X50MM
24			16A SOCKET (UPS)
25			6A SOCKET (UPS)



Issued for:	APPROVAL-01
Issued Date:	14-FEB-2025
DESIGN DATA	
PLACE/CITY - BANGALORE	LATTITUDE - 13.3702° N
STATE/COUN. - KA/INDIA	LONGITUDE - 77.6835° E
REGION - ASIA PACIFIC	AMB. TEMP - 70° F
TIME ZONE - GMT +5.30	HUMIDITY - 63%
GENERAL NOTES:	
<ol style="list-style-type: none"> Dimensions and coordinates in mm; follow written dimensions, do not scale. MEP drawings must be coordinated with architectural, structural, and other stakeholders; report discrepancies before proceeding. All drawings have been prepared in strict accordance with applicable industry standards, including ASHRAE, NBC, NEC, IPS, etc. Every effort has been made to ensure the designs meet required technical, safety, and regulatory guidelines. 	

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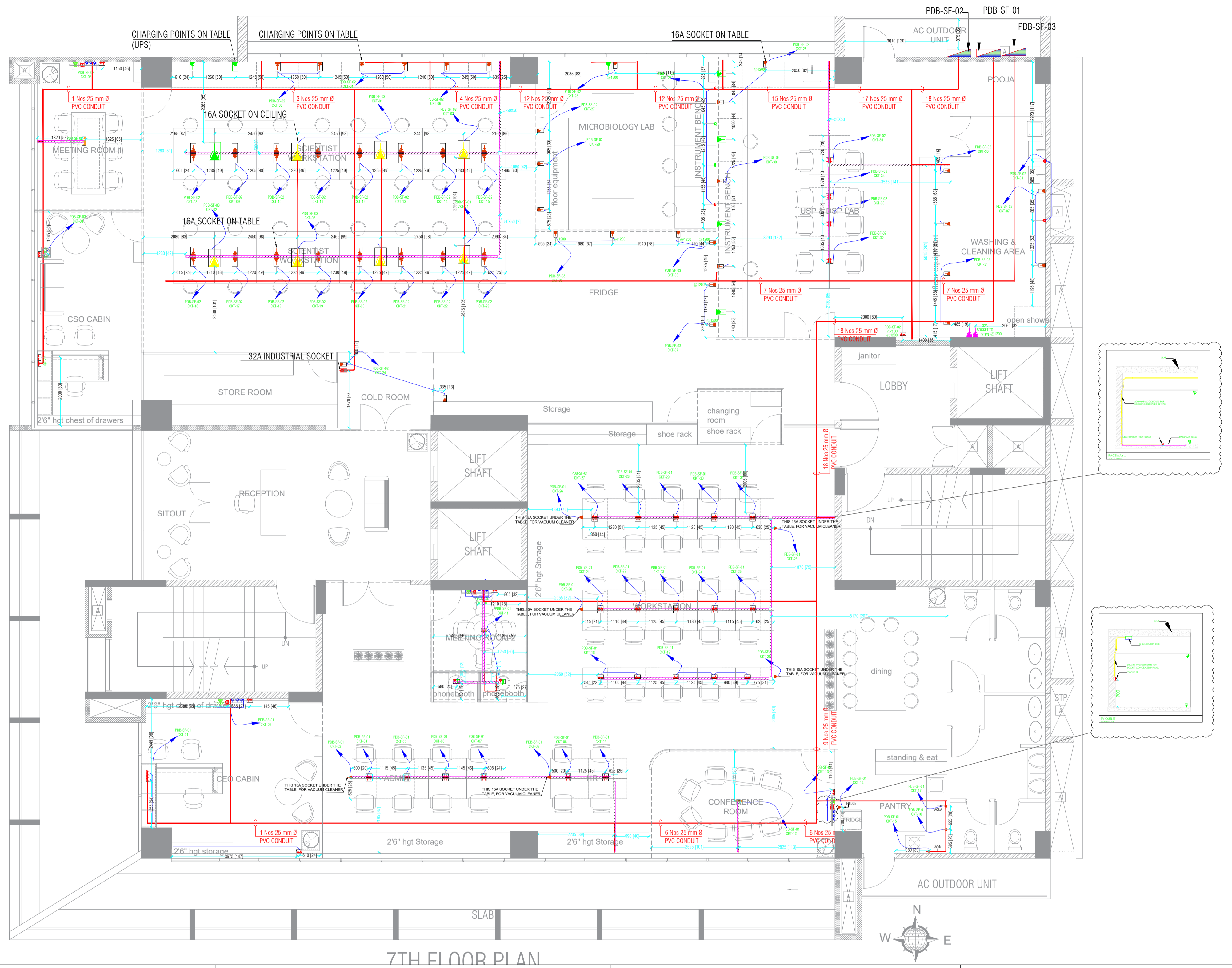
VERSION CHART	
VERSION NO.	VERSION DATE
APPROVAL-01	
MEP CONSULTANTS	
A-SQUARE MEP CONSULTANCY 1st Floor, APR & MRS ARCADE, Vijayapura Bypass Road, Devanahalli, Bangalore Rural-562110	

ARCHITECT	REDWING DESIGNS
PROJECT	STRAIN X BIOTECH @ BANGALORE
TITLE	LIGHTING CONDUIT LAYOUT

DRAWING NO.		
ASC/ELE/01		
DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01

LEGEND

SL. NO	SYMBOL	SB MODELS	DESCRIPTION
1			6A SOCKET
2			16A SOCKET
3			16A TWIN SOCKET
4			6A TWIN SOCKET
5			16A SOCKET & 6A SOCKET POPUP OUTLET ON TABLE
6			RJ-45 DATA OUTLET
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8			6A SOCKET POPUP OUTLET ON TABLE
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11			INDICATES ONE WAY SWITCH CONTROL FOR LIGHTS
12			INDICATES TWO WAY SWITCH CONTROL FOR LIGHTS
13			DISTRIBUTION BOARD
14			EXTRA LOW VOLTAGE DB
15			LIGHTING CIRCUIT R, Y, B 2X4.0+1.5 SQMM 25MMØ CONDUIT
16			WALL MOUNTED LIGHT
17			TRUE CEILING LIGHT
18			SUSPENDED LIGHT POINT
19			CEILING FAN
20			LED STRIP LIGHT
21			EMERGENCY
22			RACEWAY 50X50MM
23			JUNCTION BOX 100X100X50MM
24			16A SOCKET (UPS)
25			6A SOCKET (UPS)



Issued for: APPROVAL-01
 Issued Date: 14-FEB- 2025

DESIGN DATA

PLACE/CITY	- BANGALORE	LATTITUDE	- 13.3702° N
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VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	

MEP CONSULTANTS



A-SQUARE MEP CONSULTANCY
 1st Floor, APR & MRS ARCADE,
 Vijayapura Bypass Road, Devanahalli,
 Bangalore Rural-562110

ARCHITECT

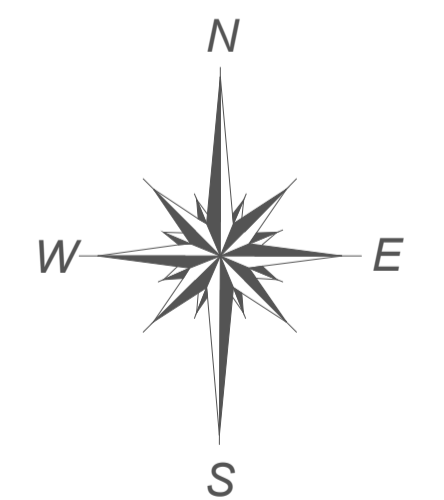
REDWING DESIGNS

PROJECT

STRAIN X BIOTECH @ BANGALORE

TITLE

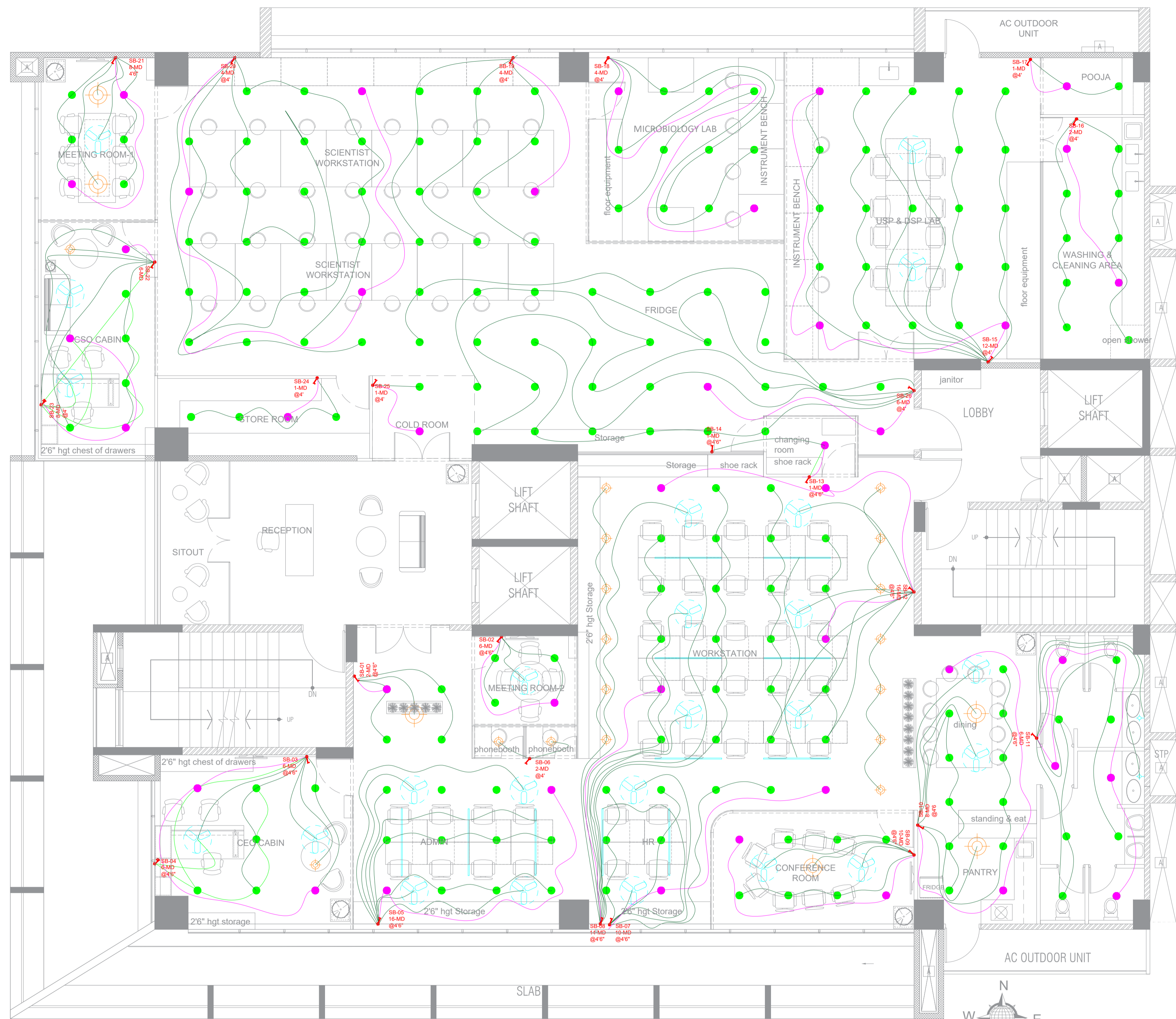
POWER LAYOUT



DRAWING NO.

ASC/ELE/01

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01



7TH FLOOR PLAN



Issued for: APPROVAL-01
 Issued Date: 14-FEB- 2025

DESIGN DATA

PLACE/CITY	- BANGALORE	LATTITUDE	- 13.3702° N
STATE/COUN.	- KA/INDIA	LONGITUDE	- 77.6835° E
REGION	- ASIA PACIFIC	AMB. TEMP	- 70° F
TIME ZONE	- GMT +5.30	HUMIDITY	- 63%

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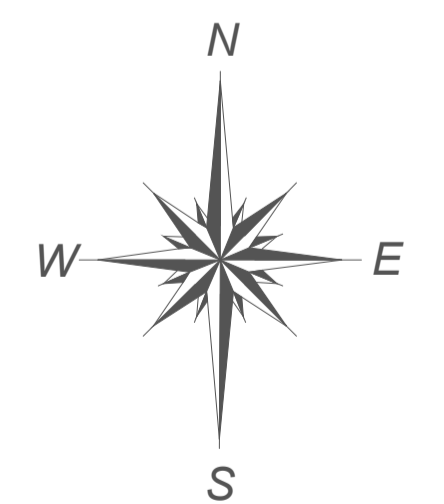
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VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	

ARCHITECT
REDWING DESIGNS

PROJECT
 STRAIN X BIOTECH @ BANGALORE



DRAWING NO.
ASC/ELE/03

MEP CONSULTANTS



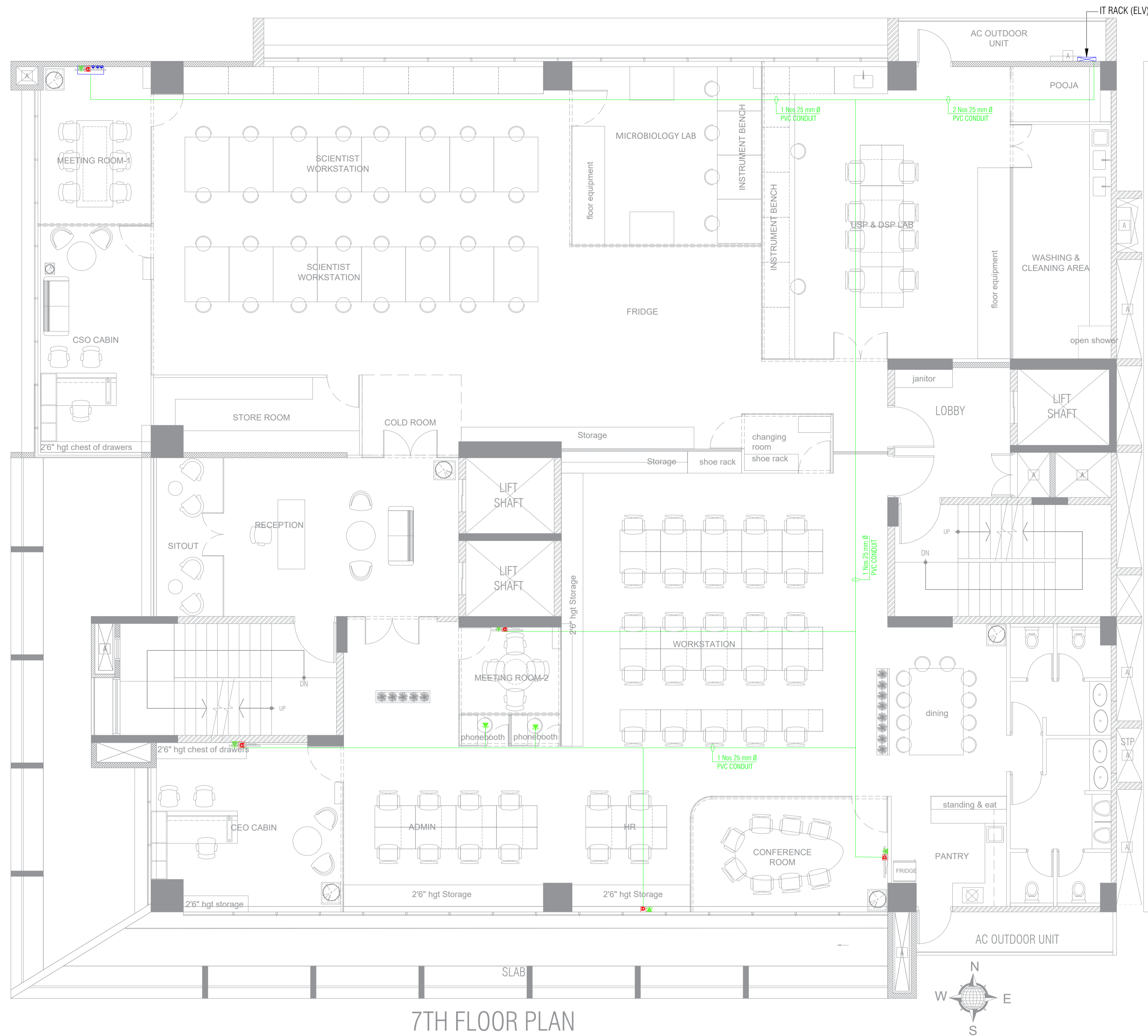
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 Vijayapura Bypass Road, Devanahalli,
 Bangalore Rural-562110

TITLE
LOOPING LAYOUT

GENERAL NOTES:

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DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01



LOW VOLTAGE LEGEND:

	DATA ROUTER
	TELEPHONE
	CAT 6 CABLE WITH PVC CONDUIT

7TH FLOOR PLAN

Issued for: APPROVAL-01
 Issued Date: 14-FEB-2025

DESIGN DATA

PLACE/CITY	- BANGALORE	LATTITUDE	- 13.3702° N
STATE/COUN.	- KA/INDIA	LONGITUDE	- 77.6835° E
REGION	- ASIA PACIFIC	AMB. TEMP	- 70° F
TIME ZONE	- GMT +5.30	HUMIDITY	- 63%

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VERSION NO.	VERSION DATE
APPROVAL-01	

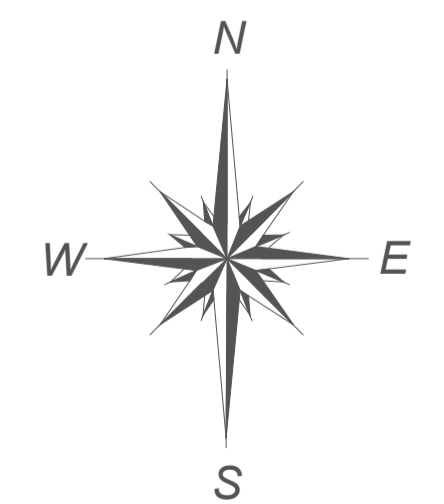
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ARCHITECT
REDWING DESIGNS

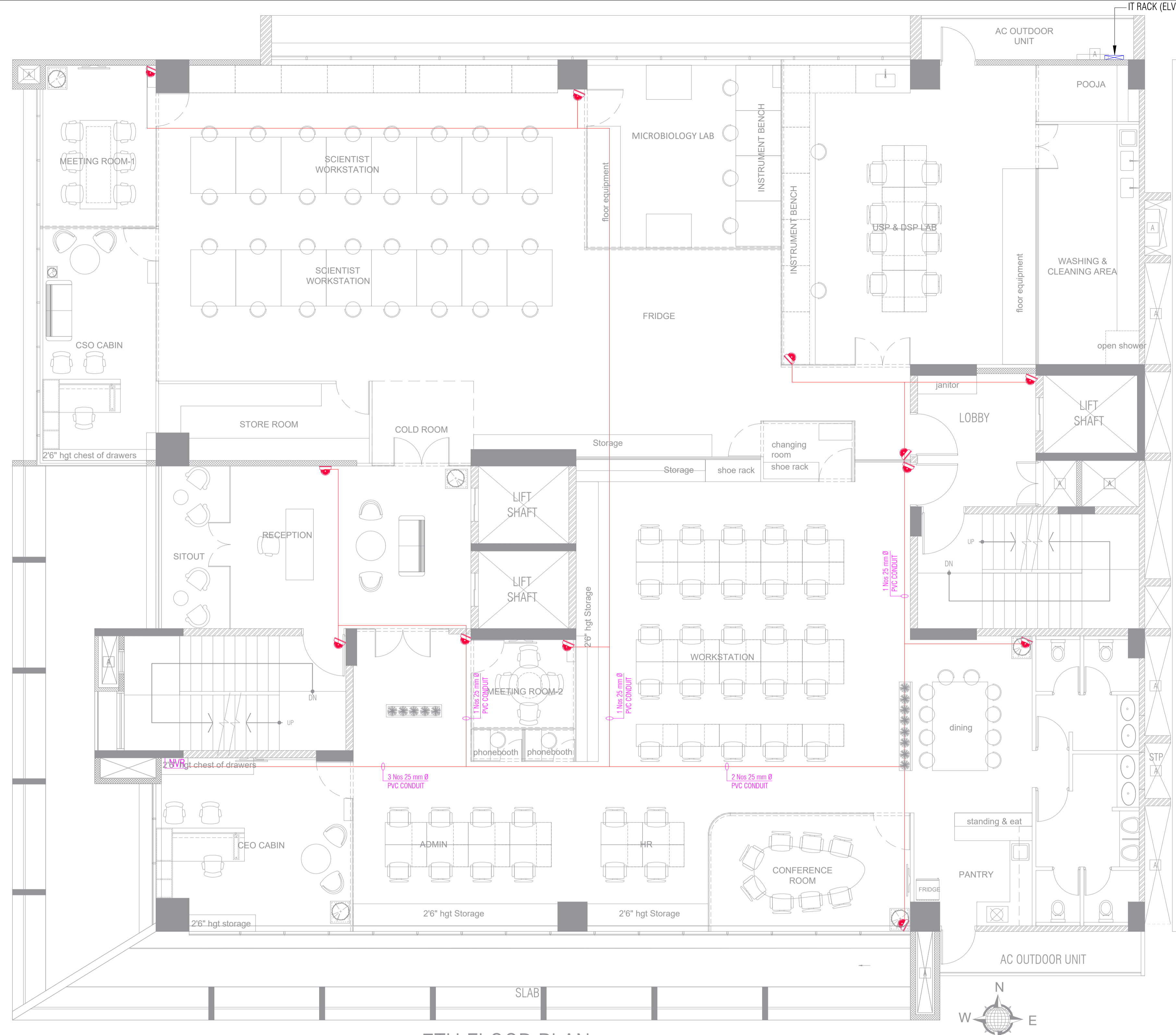
PROJECT
STRAIN X BIOTECH @ BANGALORE

TITLE
DATA LAYOUT



DRAWING NO.
ASC/ELE/03

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01



LOW VOLTAGE LEGEND:

	CCTV
	NETWORK VIDEO RECORDR
	CAT 6 CABLE WITH PVC CONDUIT

7TH FLOOR PLAN

Issued for:	APPROVAL-01
Issued Date:	14-FEB- 2025

DESIGN DATA	
PLACE/CITY - BANGALORE	LATTITUDE - 13.3702° N
STATE/COUN. - KA/INDIA	LONGITUDE - 77.6835° E
REGION - ASIA PACIFIC	AMB. TEMP - 70° F
TIME ZONE - GMT +5.30	HUMIDITY - 63%


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VERSION CHART	
VERSION NO.	VERSION DATE
APPROVAL-01	

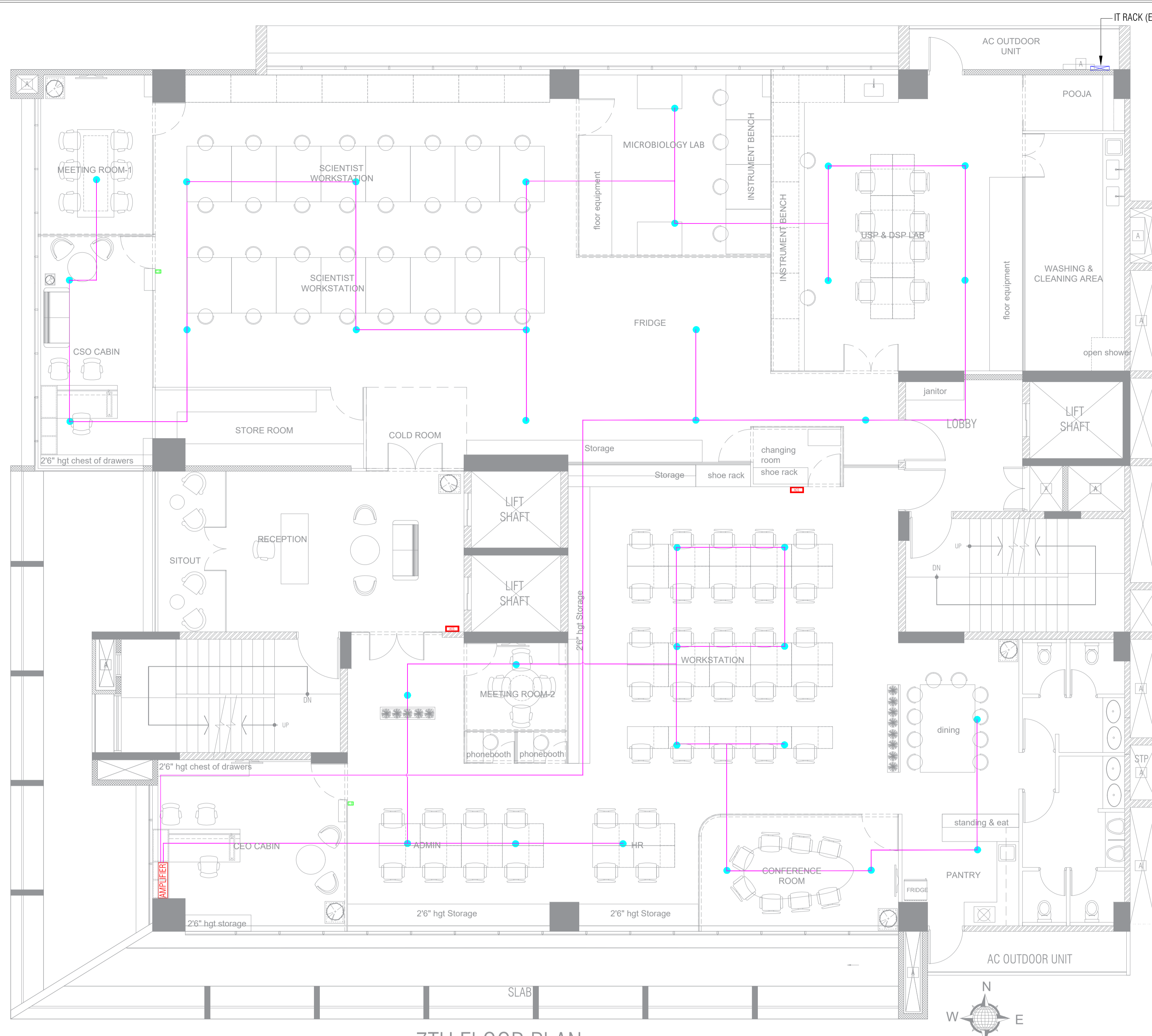
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 Bangalore Rural-562110

ARCHITECT	REDWING DESIGNS
PROJECT	STRAIN X BIOTECH @ BANGALORE
TITLE	CCTV LAYOUT

		
DRAWING NO.		
ASC/ELE/03		
DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01



LOW VOLTAGE LEGEND:

	6W CEILIGN SPEAKER
	ACCESS CONTROL SYSTEM
	2C, 1.5 Sq.mm Cable with PVC Conduit
	CALL BELL

7TH FLOOR PLAN

Issued for: APPROVAL-01
 Issued Date: 14-FEB- 2025

DESIGN DATA

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APPROVAL-01	

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ARCHITECT

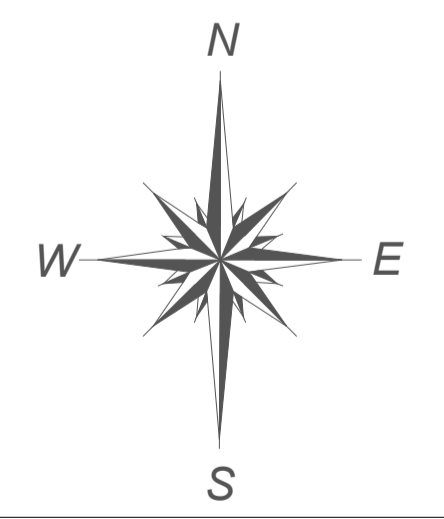
REDWING DESIGNS

PROJECT

STRAIN X BIOTECH @ BANGALORE

TITLE

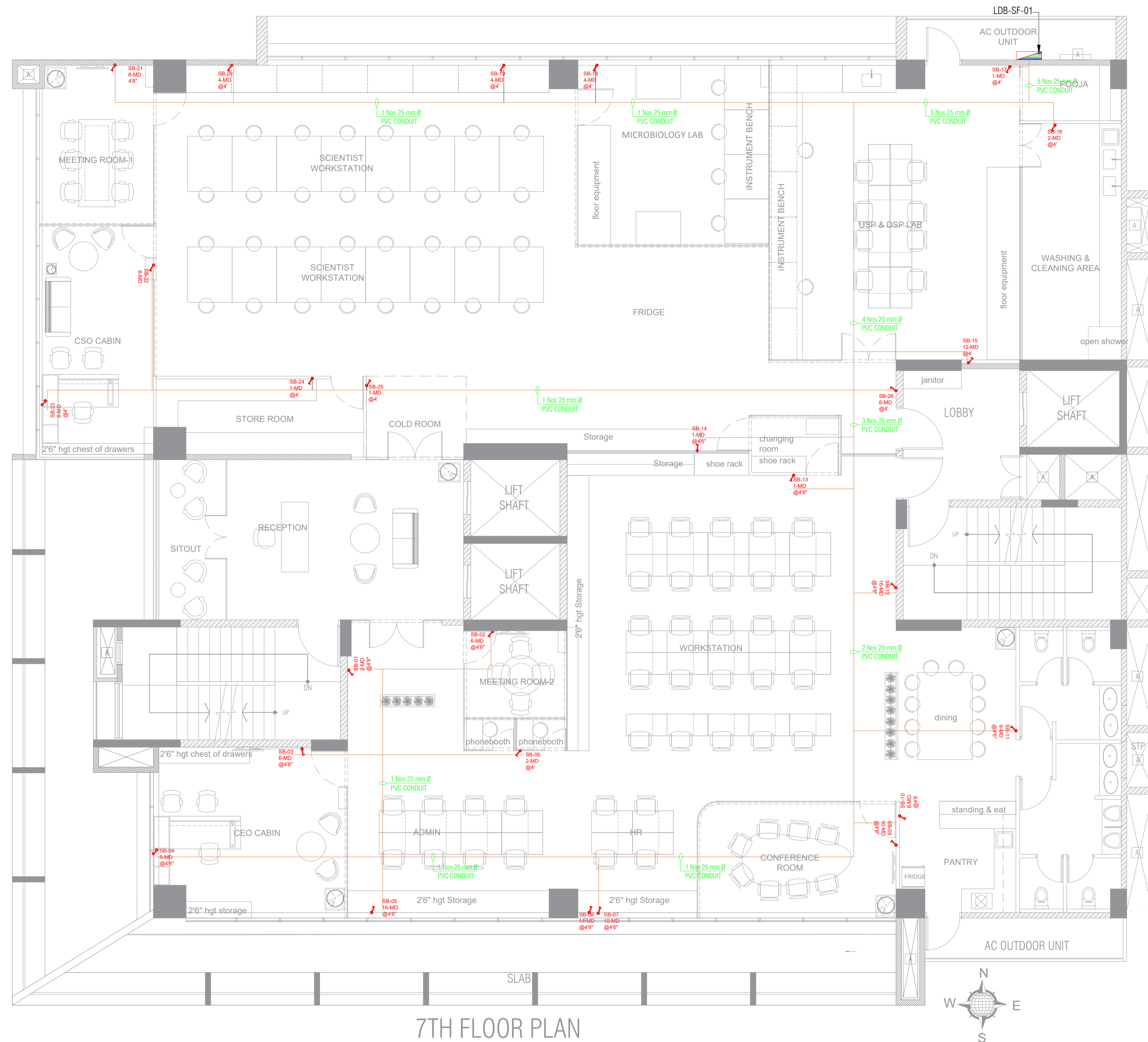
PA LAYOUT



DRAWING NO.

ASC/ELE/03

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01



LIGHT SUBMAIN LEGEND:

	ONE WAY SWITCH CONTROL FOR LIGHTS
	TWO WAY SWITCH CONTROL FOR LIGHTS
	25 mm Ø PVC CONDUIT
	LIGHT DISTRIBUTION BOARD

7TH FLOOR PLAN

Issued for:	APPROVAL-01
Issued Date:	14-FEB- 2025
DESIGN DATA	
PLACE/CITY - BANGALORE	LATTITUDE - 13.3702° N
STATE/COUN. - KA/INDIA	LONGITUDE - 77.6835° E
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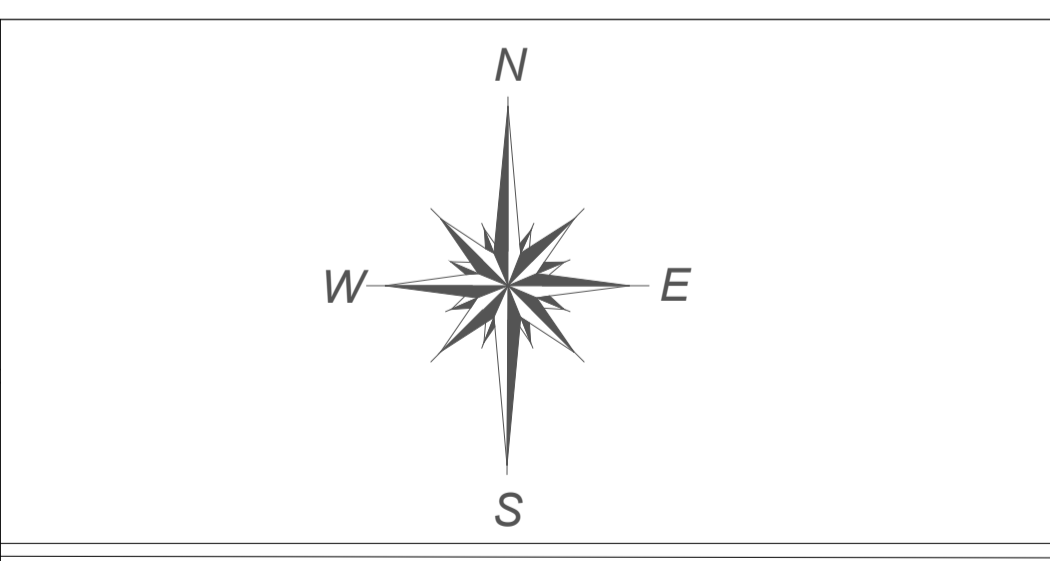
VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	

ARCHITECT
REDWING DESIGNS

PROJECT
STRAIN X BIOTECH @ BANGALORE

TITLE
LIGHTING SUBMAIN LAYOUT



DRAWING NO.
ASC/ELE/03

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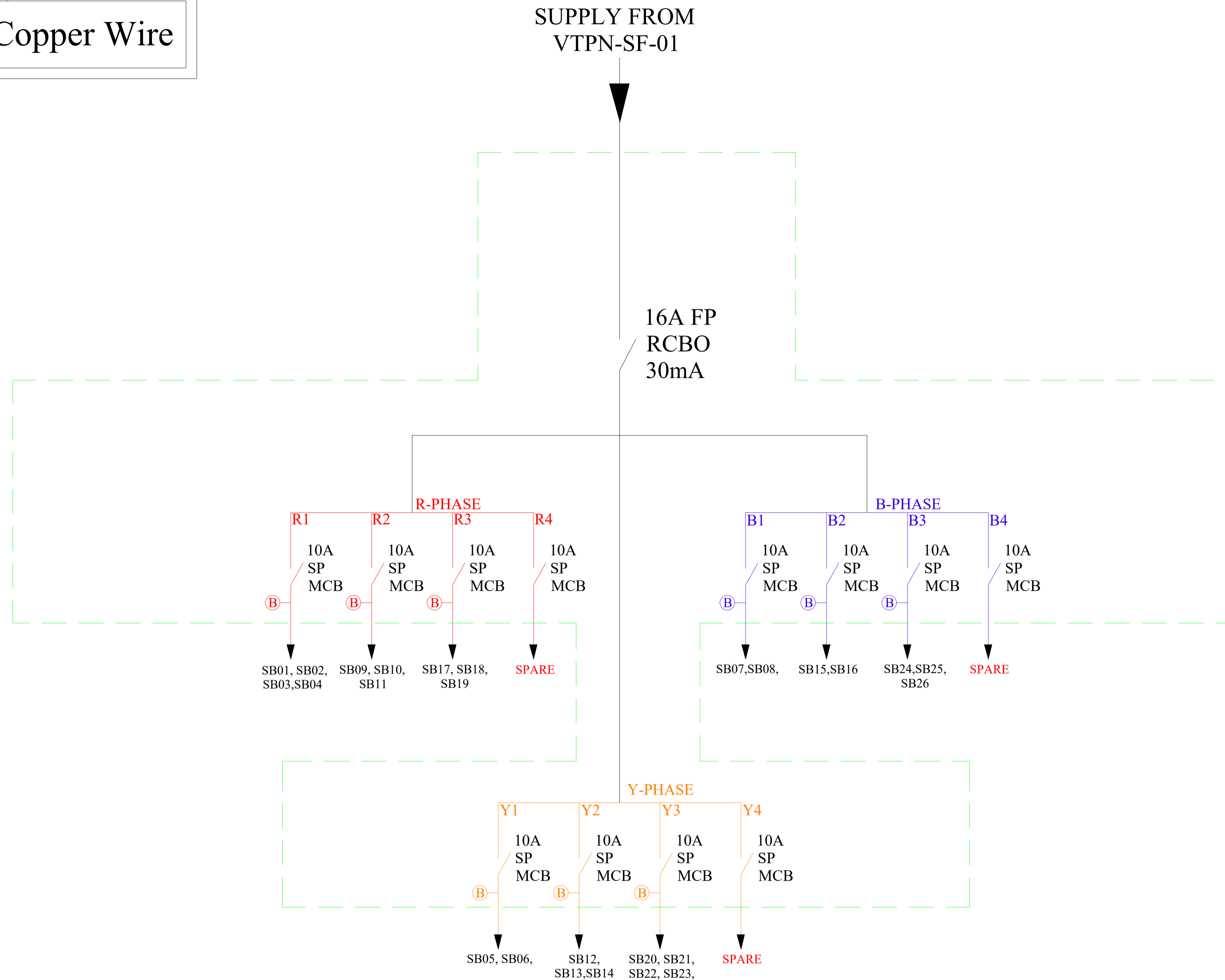
DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01

LDB SF-01
Loc. SEVENTH FLOOR

NOTE : ALL LDB CIRCUITS DETAILS ARE MENTIONED IN EXCEL SHEET WITH LOAD BALANCE

ⓑ (2x2.5 Sq.mm + 1x1.5 Sq.mm) Copper Wire

4 Way(6+8+18)
Double Door
TPN DB



R-PHASE - 1.35KW
Y-PHASE - 1.36KW
B-PHASE - 1.38KW
TOTAL - 4.1KW

Issued for: APPROVAL-01
 Issued Date: 14-FEB- 2025

DESIGN DATA

PLACE/CITY	- BANGALORE	LATTITUDE	- 13.3702° N
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VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	

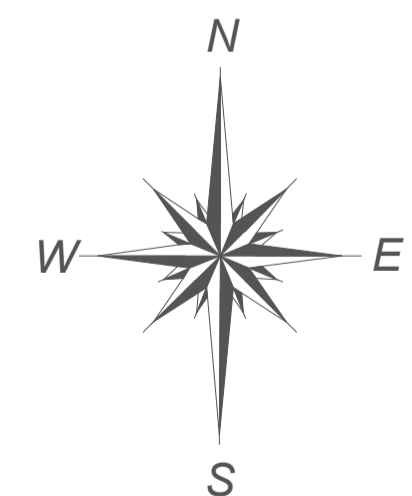
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 Vijayapura Bypass Road, Devanahalli,
 Bangalore Rural-562110

ARCHITECT
REDWING DESIGNS

PROJECT
STRAIN X BIOTECH @ BANGALORE

TITLE
LIGHTING DISTRIBUTION BOARD
01 SLD



DRAWING NO.
ASC/ELE/03

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01

PDB SF-01

Loc. SEVENTH FLOOR

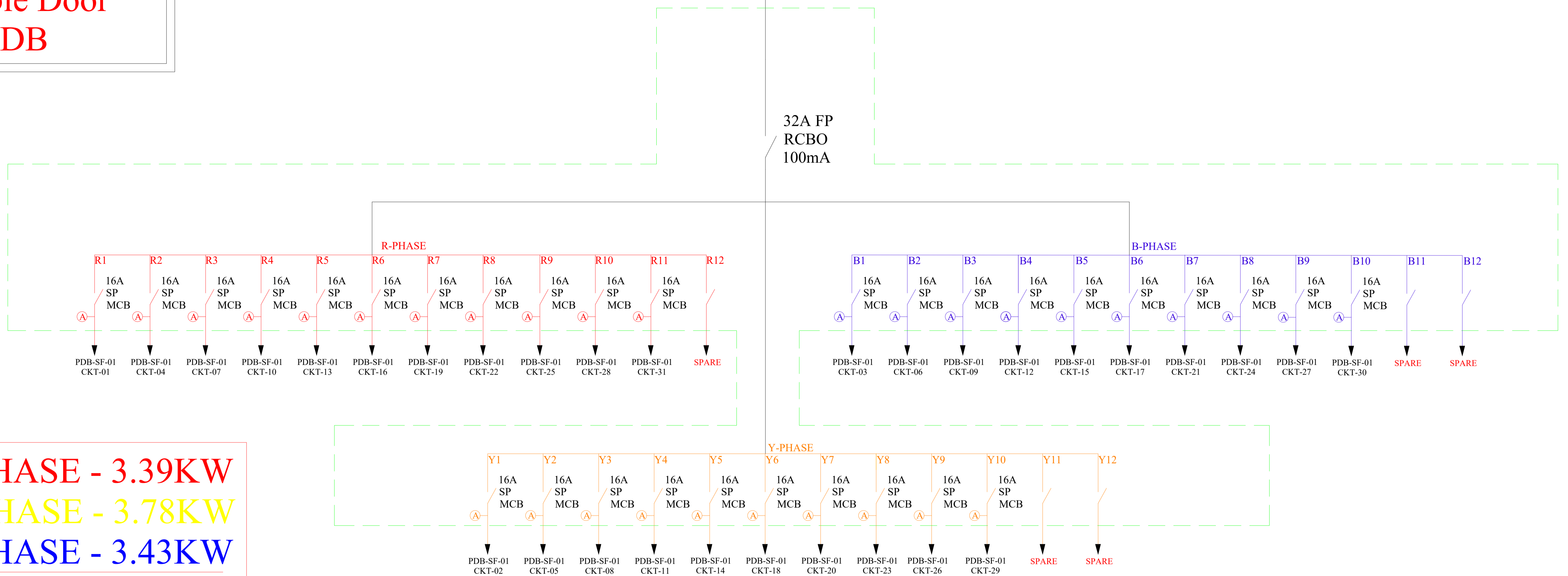
NOTE : ALL PDB CIRCUITS DETAILS ARE MENTIONED IN EXCEL SHEET & LAYOUT

Ⓐ (2x4 Sq.mm + 1x2.5 Sq.mm) Copper Wire

12 Way
Double Door
TPN DB

SUPPLY FROM
VTPN-SF-01

32A FP
RCBO
100mA



R-PHASE - 3.39KW
Y-PHASE - 3.78KW
B-PHASE - 3.43KW
TOTAL - 10.60KW

Issued for: APPROVAL-01
Issued Date: 14-FEB-2025

DESIGN DATA

PLACE/CITY	- BANGALORE	LATTITUDE	- 13.3702° N
STATE/COUN.	- KA/INDIA	LONGITUDE	- 77.6835° E
REGION	- ASIA PACIFIC	AMB. TEMP	- 70° F
TIME ZONE	- GMT +5.30	HUMIDITY	- 63%

GENERAL NOTES:

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VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	20-JAN-2024

MEP CONSULTANTS



A-SQUARE MEP CONSULTANCY
1st Floor, APR & MRS ARCADE,
Vijayapura Bypass Road, Devanahalli,
Bangalore Rural-562110

ARCHITECT

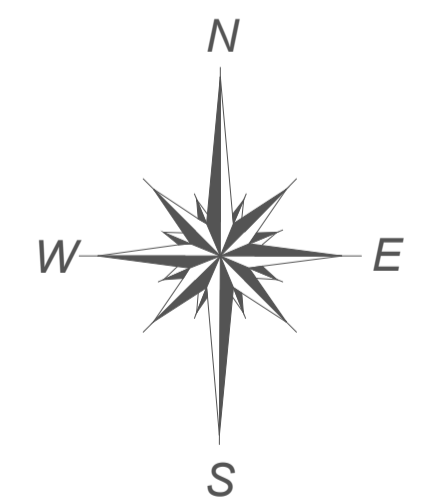
REDWING DESIGNS

PROJECT

STRAIN X BIOTECH @ BANGALORE

TITLE

**POWER DISTRIBUTION BOARD
01 SLD**



DRAWING NO.

ASC/ELE/03

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01

PDB SF-02

Loc. SEVENTH FLOOR

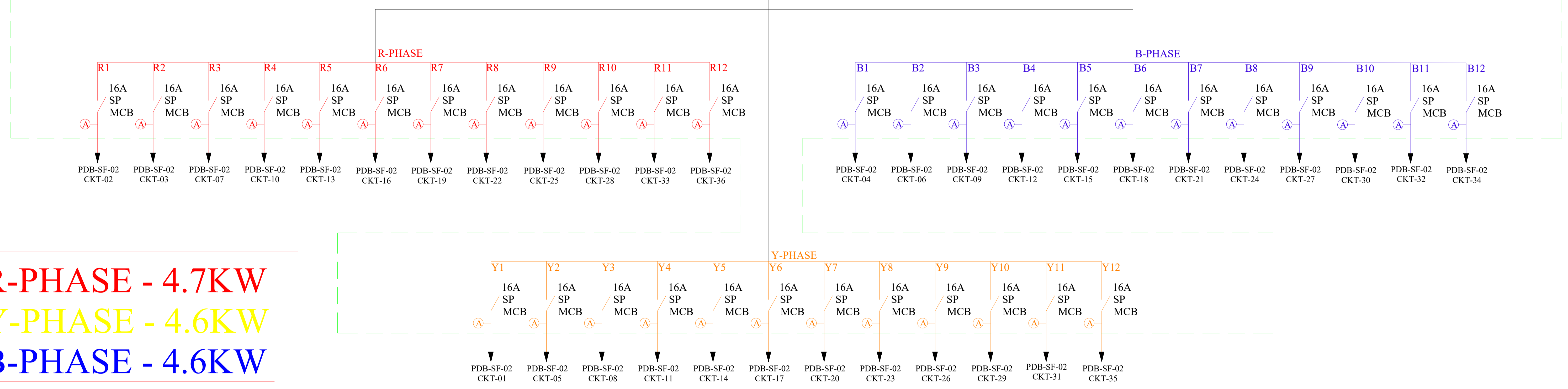
NOTE : ALL PDB CIRCUITS DETAILS ARE MENTIONED IN EXCEL SHEET & LAYOUT

Ⓐ (2x4 Sq.mm + 1x2.5 Sq.mm) Copper Wire

12 Way
Double Door
TPN DB

SUPPLY FROM
VTPN-SF-01

40A FP
RCBO
100mA



R-PHASE - 4.7KW
Y-PHASE - 4.6KW
B-PHASE - 4.6KW
TOTAL - 14.1KW

Issued for: APPROVAL-01
 Issued Date: 14-FEB- 2025

DESIGN DATA

PLACE/CITY	- BANGALORE	LATTITUDE	- 13.3702° N
STATE/COUN.	- KA/INDIA	LONGITUDE	- 77.6835° E
REGION	- ASIA PACIFIC	AMB. TEMP	- 70° F
TIME ZONE	- GMT +5.30	HUMIDITY	- 63%

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VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	

ARCHITECT

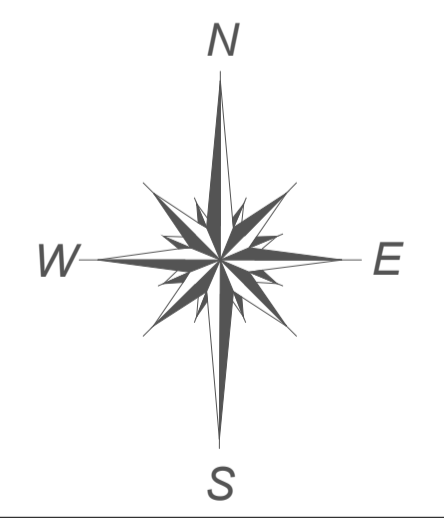
REDWING DESIGNS

PROJECT

STRAIN X BIOTECH @ BANGALORE

TITLE

**POWER DISTRIBUTION BOARD
02 SLD**



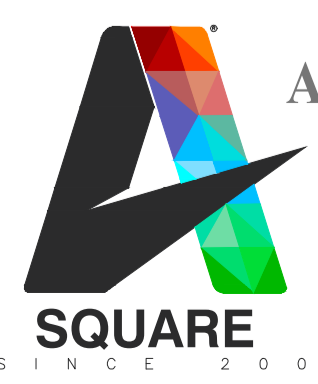
DRAWING NO.

ASC/ELE/03

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MEP CONSULTANTS



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 1st Floor, APR & MRS ARCADE,
 Vijayapura Bypass Road, Devanahalli,
 Bangalore Rural-562110

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01

UPSDB SF-01

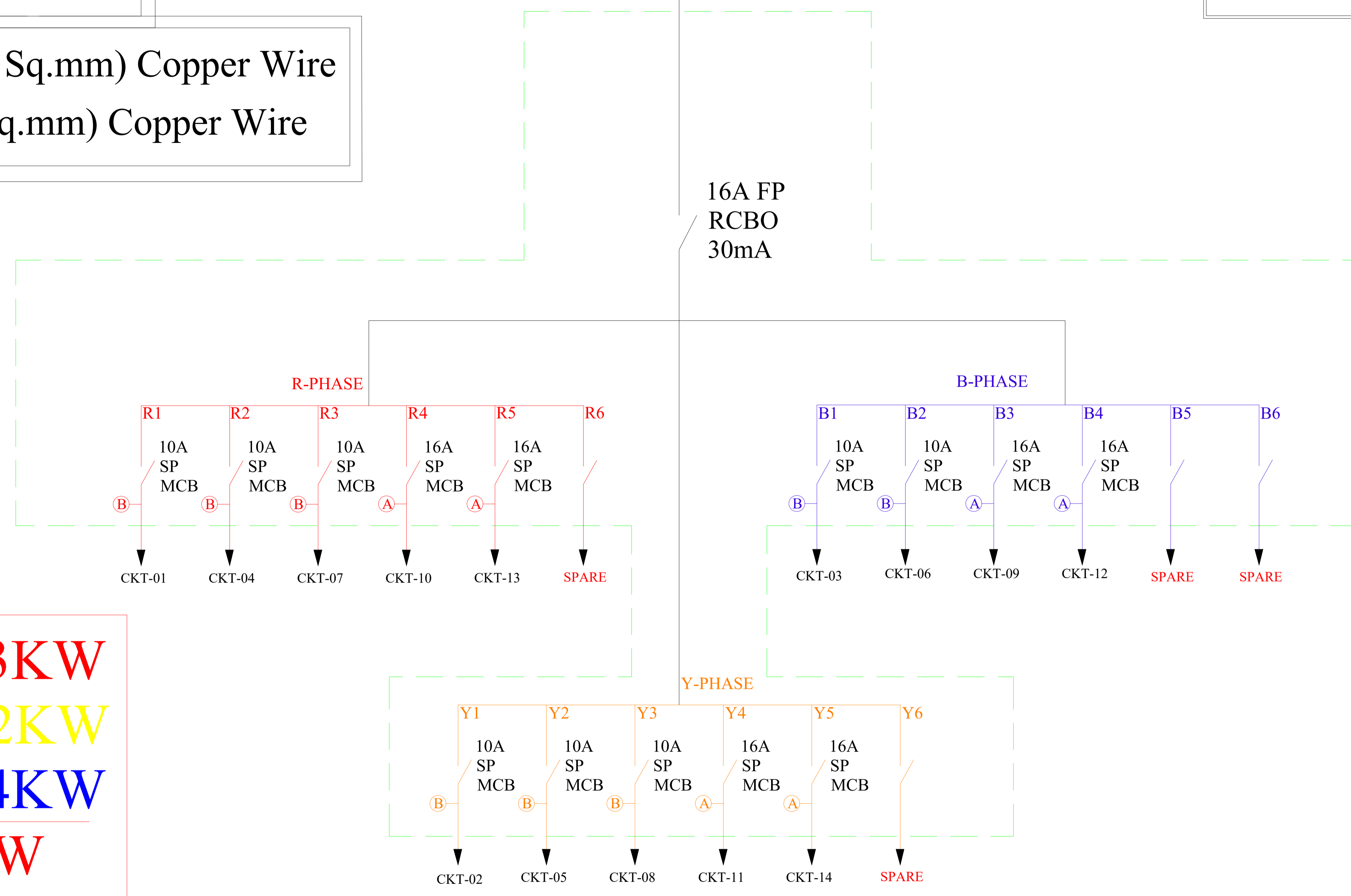
Loc. SEVENTH FLOOR

NOTE : ALL LDB CIRCUITS DET ARE MENTIONED IN EXCEL SH WITH LOAD BALANCE

7.5 KVA

- Ⓑ (2x2.5 Sq.mm + 1x1.5 Sq.mm) Copper Wire
- Ⓐ (2x4 Sq.mm + 1x2.5 Sq.mm) Copper Wire

6 Way Double Door TPN DB



R-PHASE - 1.13KW
Y-PHASE - 1.02KW
B-PHASE - 1.04KW
TOTAL - 3.1KW

Issued for:	APPROVAL-01
Issued Date:	14-FEB- 2025

DESIGN DATA	
PLACE/CITY - BANGALORE	LATTITUDE - 13.3702° N
STATE/COUN. - KA/INDIA	LONGITUDE - 77.6835° E
REGION - ASIA PACIFIC	AMB. TEMP - 70° F
TIME ZONE - GMT +5.30	HUMIDITY - 63%

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VERSION CHART

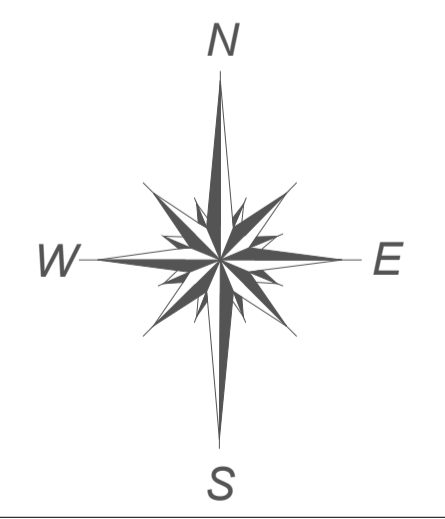
VERSION NO.	VERSION DATE
APPROVAL-01	20-JAN-2024

MEP CONSULTANTS



A-SQUARE MEP CONSULTANCY
 1st Floor, APR & MRS ARCADE,
 Vijayapura Bypass Road, Devanahalli,
 Bangalore Rural-562110

ARCHITECT	REDWING DESIGNS
PROJECT	STRAIN X BIOTECH @ BANGALORE
TITLE	UPS LIGHTING DISTRIBUTION BOARD-SLD



DRAWING NO.
ASC/ELE/03

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01

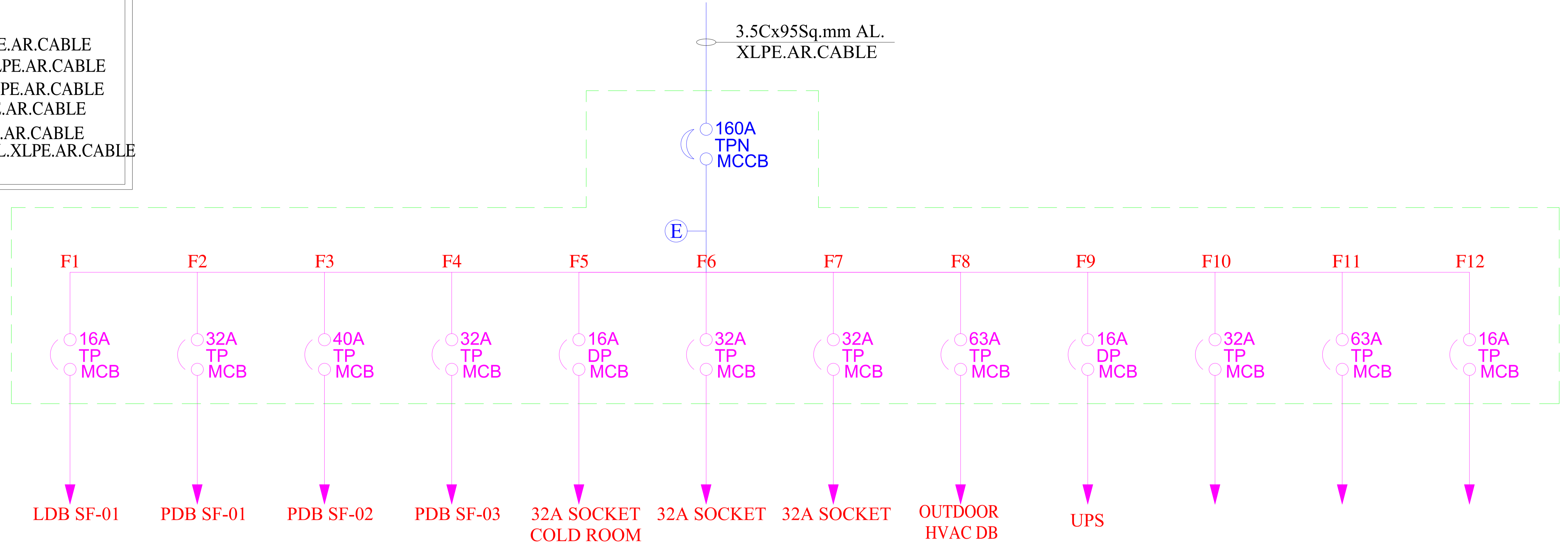
VTPN-SF-01

TDL:-71.6KW

- LDB- 4CX4 SQ.MM CU.AL.XLPE.AR.CABLE
- PDB01- 4CX6 SQ.MM CU.AL.XLPE.AR.CABLE
- PDB02- 4CX6 SQ.MM CU.AL.XLPE.AR.CABLE
- UPS- 4CX4 SQ.MM CU.AL.XLPE.AR.CABLE
- 32A- 4CX6 SQ.MM CU.AL.XLPE.AR.CABLE
- HVAC DB- 4CX10SQ.MM CU.AL.XLPE.AR.CABLE

VTPN DB
12 WAY

SUPPLY
FROM ELECTRICAL PANEL



Issued for: APPROVAL-01
Issued Date: 14-FEB- 2025

DESIGN DATA

PLACE/CITY - BANGALORE	LATTITUDE - 13.3702° N
STATE/COUN. - KA/INDIA	LONGITUDE - 77.6835° E
REGION - ASIA PACIFIC	AMB. TEMP - 70° F
TIME ZONE - GMT +5.30	HUMIDITY - 63%

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VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	20-JAN-2024

MEP CONSULTANTS



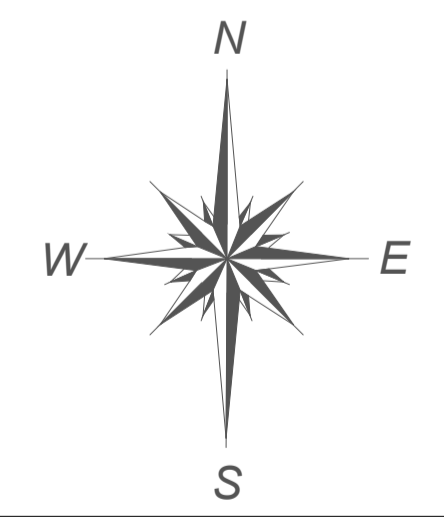
A-SQUARE MEP CONSULTANCY
1st Floor, APR & MRS ARCADE,
Vijayapura Bypass Road, Devanahalli,
Bangalore Rural-562110

S I N C E 2 0 0 4

ARCHITECT
REDWING DESIGNS

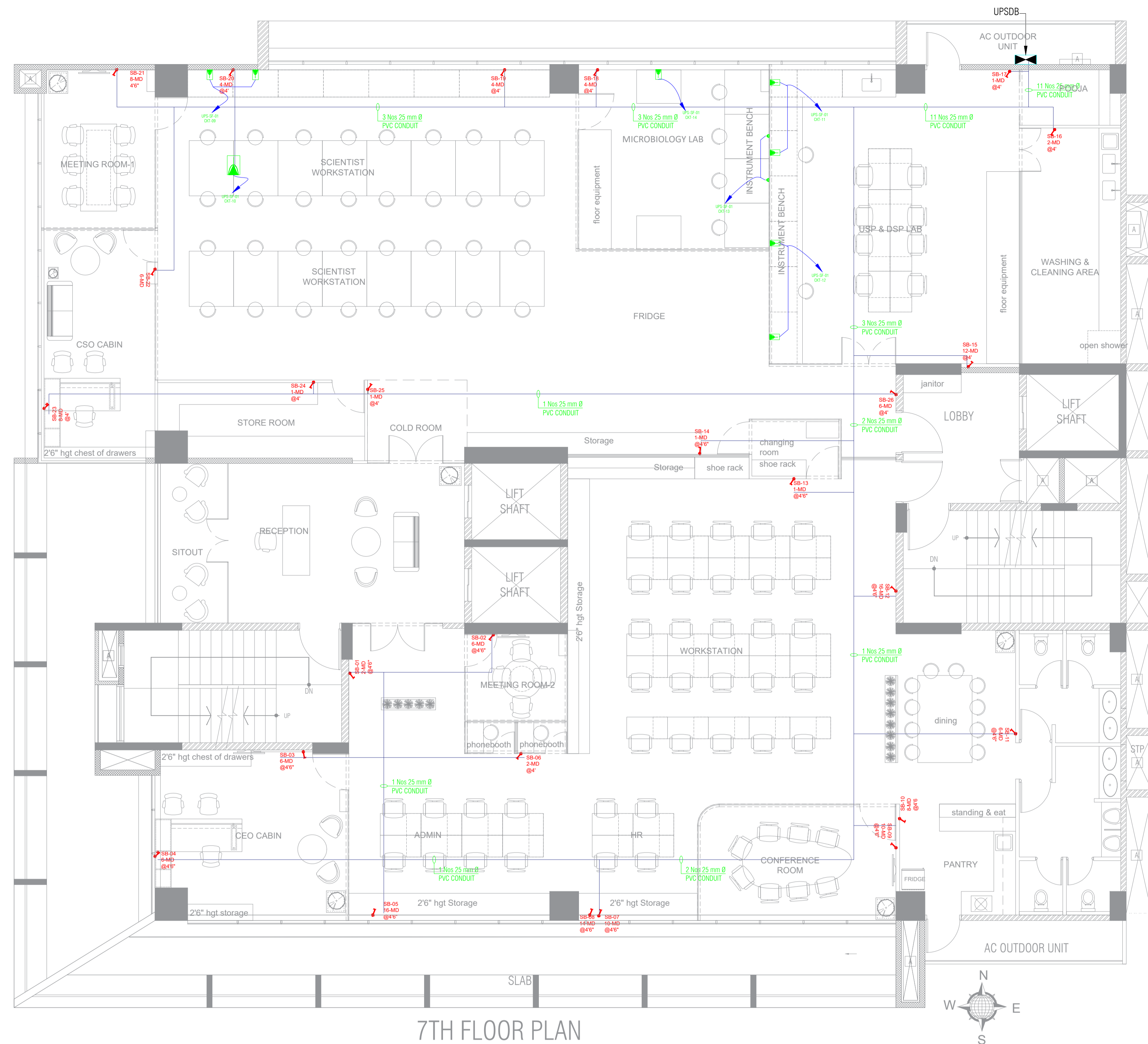
PROJECT
STRAIN X BIOTECH @ BANGALORE

TITLE
(VERTICAL THREE POLE NEUTRAL DISTRIBUTION BOARD) SLD (VTPN DB) SLD



DRAWING NO.
ASC/ELE/03

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01



LIGHT SUBMAIN LEGEND:

	ONE WAY SWITCH CONTROL FOR LIGHTS
	TWO WAY SWITCH CONTROL FOR LIGHTS
	25 mm Ø PVC CONDUIT
	UPS DISTRIBUTION BOARD
	16A SOCKET
	6A SOCKET

7TH FLOOR PLAN



Issued for: APPROVAL-01
 Issued Date: 14-FEB-2025

DESIGN DATA

PLACE/CITY	- BANGALORE	LATTITUDE	- 13.3702° N
STATE/COUN.	- KA/INDIA	LONGITUDE	- 77.6835° E
REGION	- ASIA PACIFIC	AMB. TEMP	- 70° F
TIME ZONE	- GMT +5.30	HUMIDITY	- 63%

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VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	20-JAN-2024

MEP CONSULTANTS



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 1st Floor, APR & MRS ARCADE,
 Vijayapura Bypass Road, Devanahalli,
 Bangalore Rural-562110

ARCHITECT

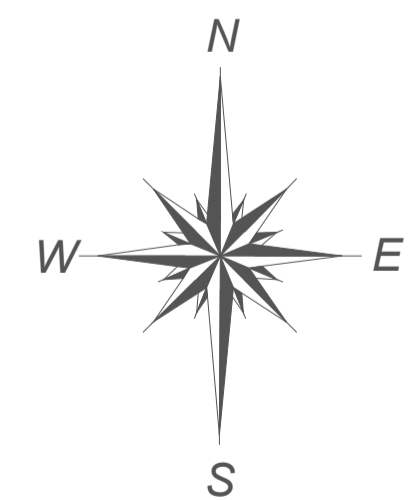
REDWING DESIGNS

PROJECT

STRAIN X BIOTECH @ BANGALORE

TITLE

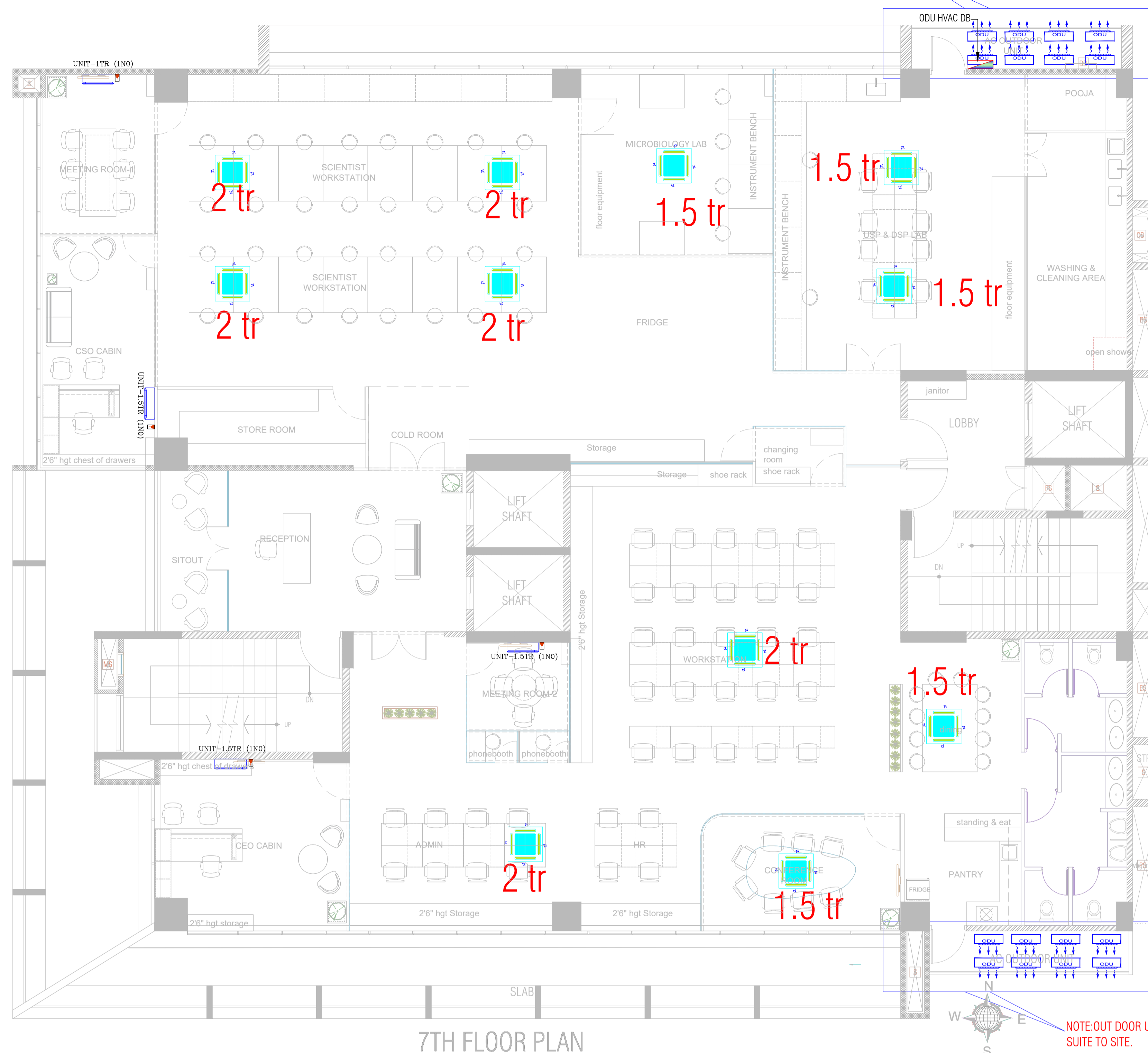
UPS LIGHTING SUBMAIN LAYOUT



DRAWING NO.

ASC/ELE/03

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01



LIGHT SUBMAIN LEGEND:

	CASSETTE AC
	WALL MOUNTED UNIT
	25 mm Ø PVC CONDUIT
	OUTDOOR HVAC DB
	16A SOCKET

7TH FLOOR PLAN

NOTE: OUT DOOR UNITS INSTALLATION SUITE TO SITE.

Issued for:	APPROVAL-01
Issued Date:	14-FEB- 2025

DESIGN DATA	
PLACE/CITY - BANGALORE	LATTITUDE - 13.3702° N
STATE/COUN. - KA/INDIA	LONGITUDE - 77.6835° E
REGION - ASIA PACIFIC	AMB. TEMP - 70° F
TIME ZONE - GMT +5.30	HUMIDITY - 63%

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VERSION CHART

VERSION NO.	VERSION DATE
APPROVAL-01	20-JAN-2024

MEP CONSULTANTS

A-SQUARE MEP CONSULTANCY
 1st Floor, APR & MRS ARCADE,
 Vijayapura Bypass Road, Devanahalli,
 Bangalore Rural-562110

ARCHITECT	REDWING DESIGNS
PROJECT	STRAIN X BIOTECH @ BANGALORE
TITLE	HVAC SUBMAIN LAYOUT

DRAWING NO.
ASC/ELE/03

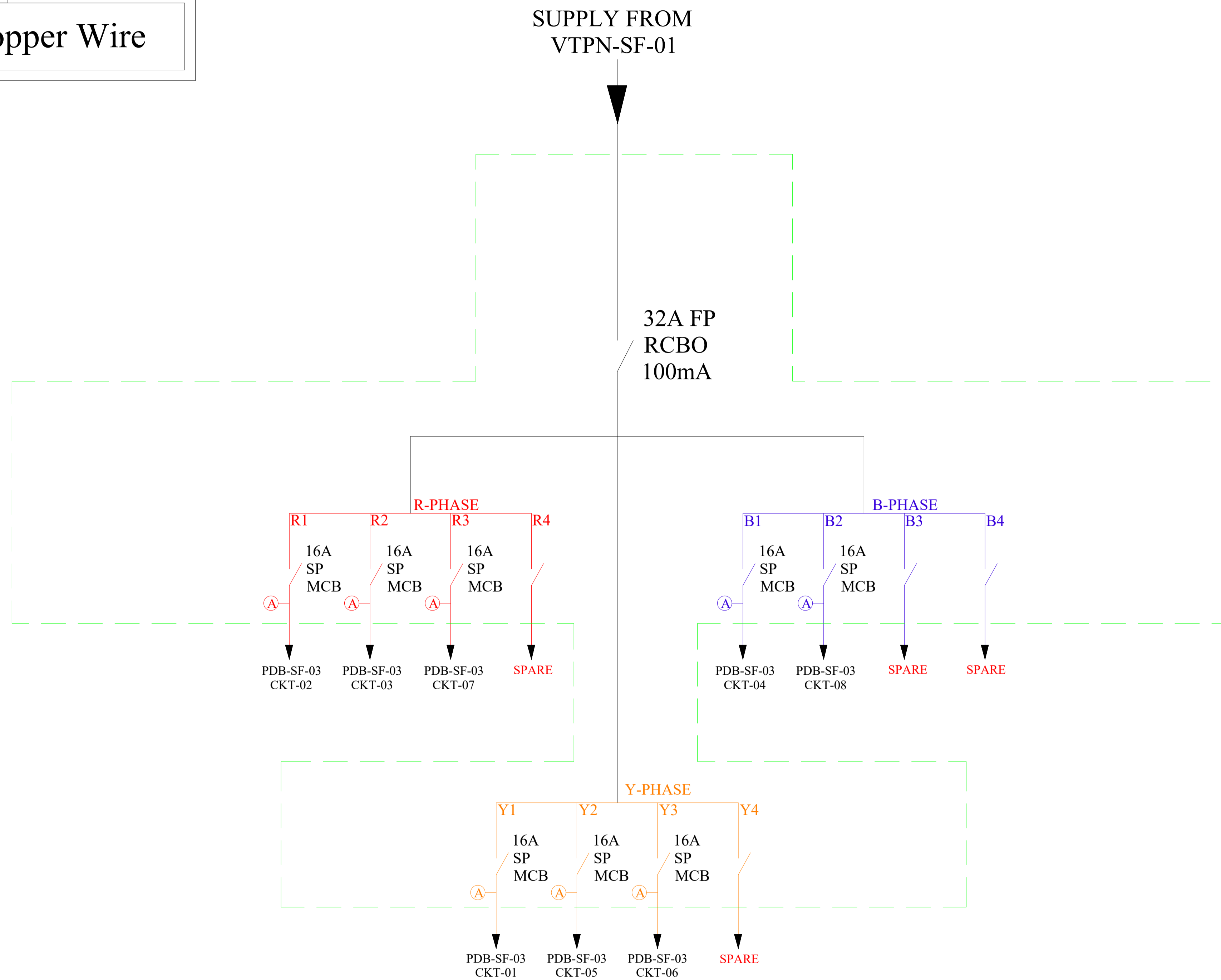
DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01

PDB SF-03
Loc. SEVENTH FLOOR

NOTE : ALL LDB CIRCUITS DETAILS ARE MENTIONED IN EXCEL SHEET WITH LOAD BALANCE

Ⓐ-(2x4 Sq.mm + 1x2.5 Sq.mm) Copper Wire

4 Way(6+8+18)
Double Door
TPN DB



R-PHASE - 1.26KW
Y-PHASE - 1.26KW
B-PHASE - 0.84KW
TOTAL - 3.3KW

Issued for: APPROVAL-01
 Issued Date: 14-FEB- 2025

DESIGN DATA

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STATE/COUN. - KA/INDIA	LONGITUDE - 77.6835° E
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VERSION CHART

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APPROVAL-01	

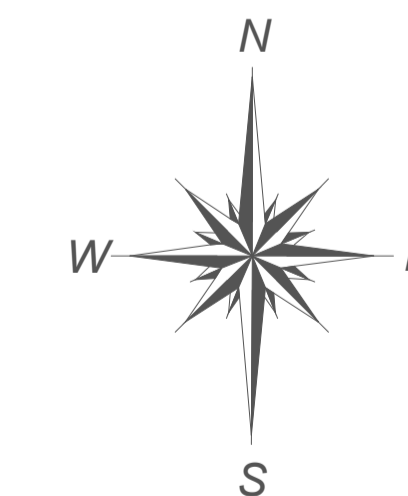
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 1st Floor, APR & MRS ARCADE,
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 Bangalore Rural-562110

ARCHITECT
REDWING DESIGNS

PROJECT
STRAIN X BIOTECH @ BANGALORE

TITLE
POWER DISTRIBUTION BOARD
03 SLD



DRAWING NO.
ASC/ELE/03

DRAWN	CHD	APPROVED
SH	SK	AA
SCALE	SHEET SIZE	VERSION NO.
NTS	A1	01