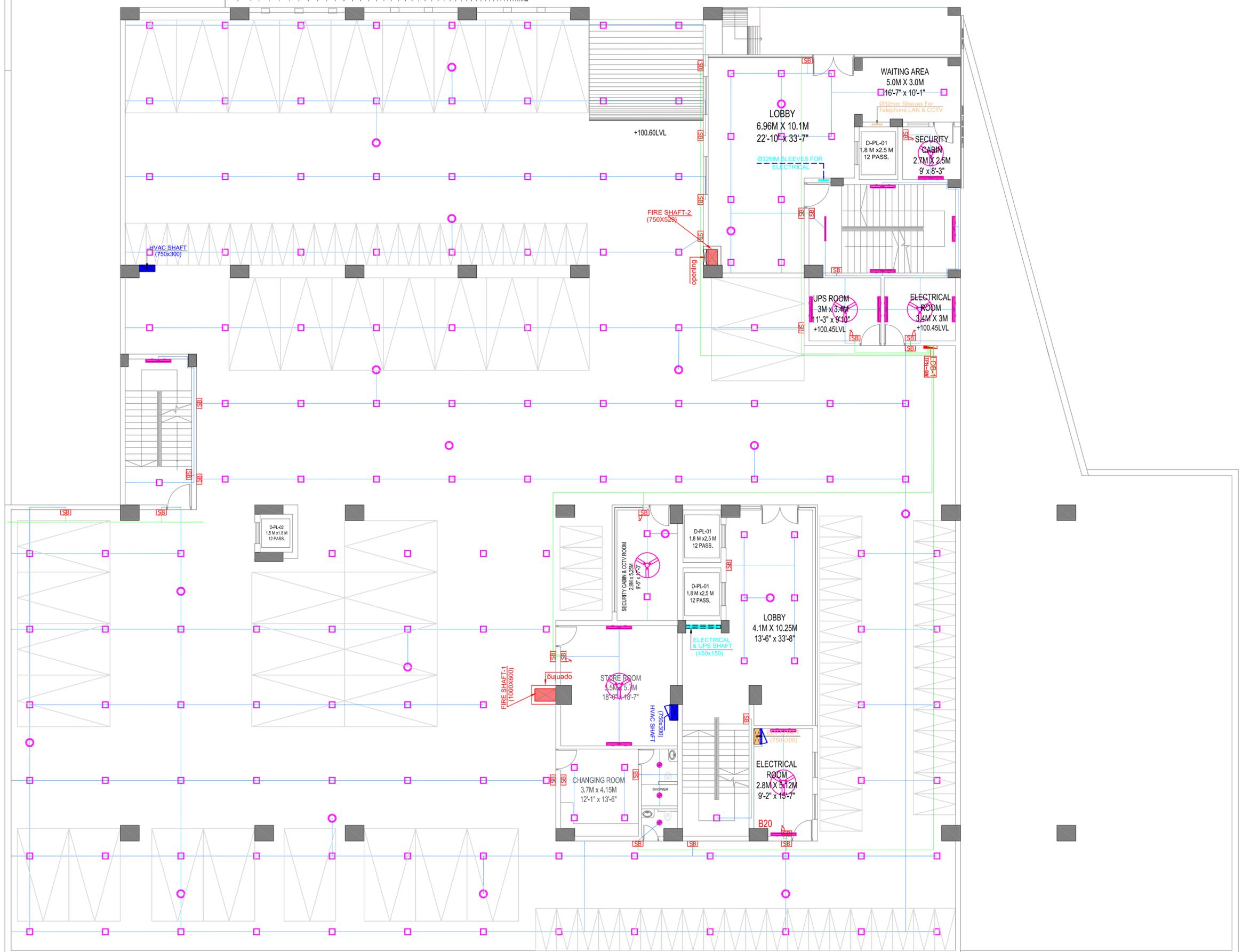


NORTH :



ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'x2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W, 4 FEET, LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMø CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM..PVC
	CONDUIT FOR CIRCUIT MAINS 25MM..PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

LIGHTING WORKING DRAWING & CONDUIT LAYOUT FOR GROUND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S.Infrastructure Project Consultants Pvt. Ltd.
 Plot No:48, Second Floor, Sagar Society Road No.2, Banjara Hills, Hyderabad-500034
 Ph: +91 40 35165677, 79,80. email: sspcppl@gmail.com

DATE : 11-11-2023

SHEET NO:

SCALE : 1:125

DEALT BY : ABID

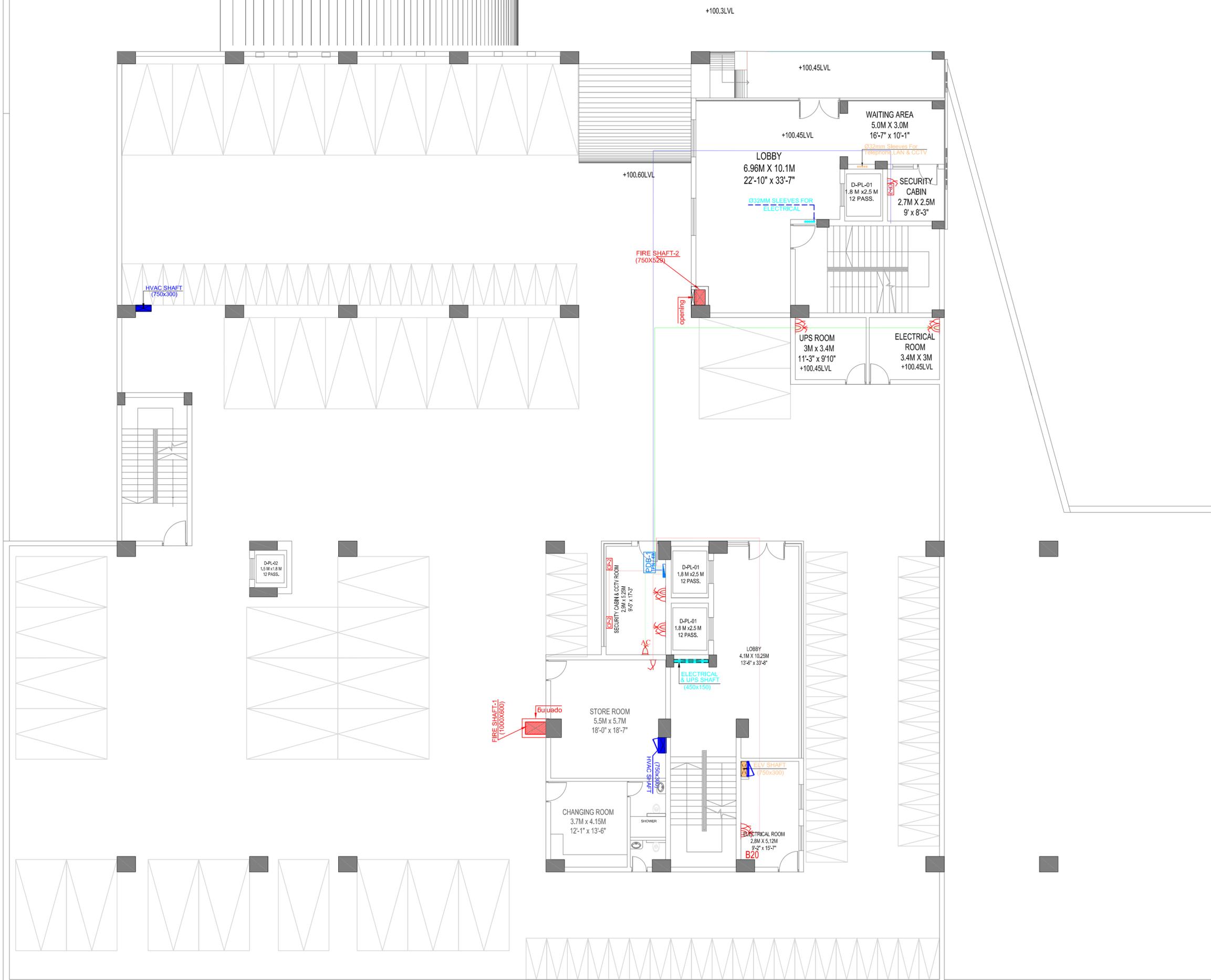
ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

01

DRG.NO: SSIPCPL/TSERC/GF/K-NGR/LD-01

NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

--	--	--	--

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING FOR GROUND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S. Infrastructure Project Consultants Pvt. Ltd.
Plot No: 48, Second Floor, Sagar Society Road No.2, Banjara Hills, Hyderabad - 500034
Ph: +91 40 35165677, 79,80. email: sspcppl@gmail.com

DATE : 11-11-2023

SHEET NO:

SCALE : N.T.S

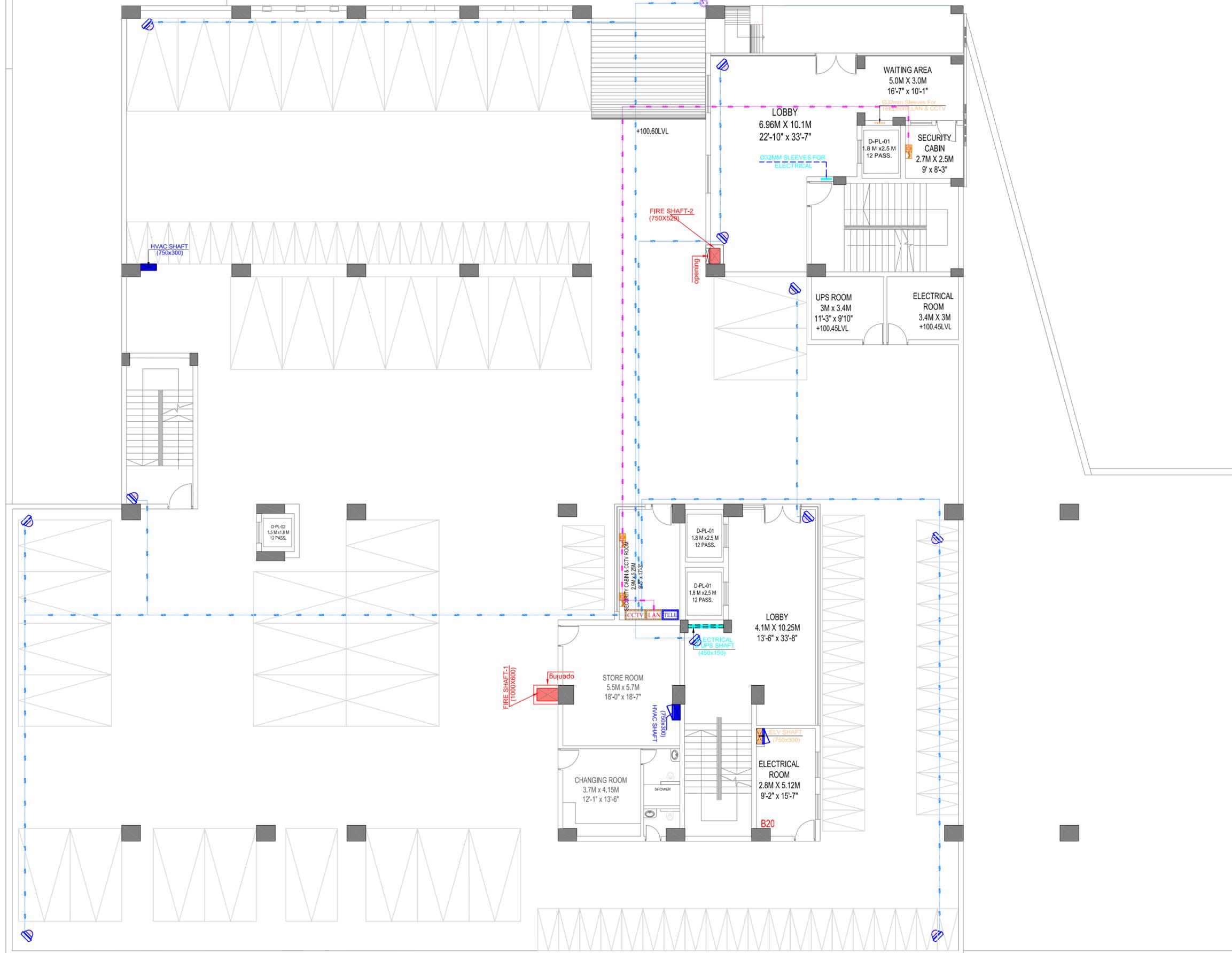
DEALT BY : ABID

ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

02

NORTH :



SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE
DRAWING FOR GROUND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S. Infrastructure Project Consultants Pvt. Ltd.
Plot No: 48, Second Floor, Sagar Society
Road No.2, Banjara Hills, Hyderabad - 500034
Ph: +91 40 35165677, 79,80. email: sspcppl@gmail.com

DATE : 11-11-2023

SHEET NO:

SCALE : N.T.S

DEALT BY : ABID

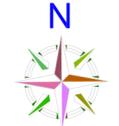
ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

03

DRG.NO: SSIPCPL/TSERC/GF/K-NGR/ELV-03

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 7) TELEPHONE SOCKET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 8) TELEVISION OUTLET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE TELEVISION STATION
- 9) THE SIZE OF THE WIRES FOR VARIOUS POINTS SHALL BE AS FOLLOWS
 - a (36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
 - b FOR SWITCH BOARD TO FAN/LIGHTPOINT 2 RUNS OF 1.5sqmm MULTISTRAND (22/0.3)FOR SWITCH BOARD TO 6A SOCKET 3 RUNS OF 1.5SQMM(22/0.3
 - c FOR 16A SOCKET 2 RUNS OF 2.5.sqmm MULTISTRAND(36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
- 10) THE FOLLOWING COLOR COADING SHALL BE FOLLOWED FOR ALL WIRING
 PHASE : RED/YELLOW/BLUE
 NEUTRAL : BLACK
 EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.
- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MINIMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.

	1.5sqmm	2.5sqmm	4.0sqmm	6sqmm
19mm	5 nos	4 nos	2 nos	2 nos
25mm	9 nos	8 nos	5 nos	5 nos
32mm	13 nos	12 nos	9 nos	9 nos
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'x2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W,4 FEET,LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMØ CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CELLING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

LIGHTING WORKING DRAWING CONDUIT LAYOUT FOR FIRST FLOOR

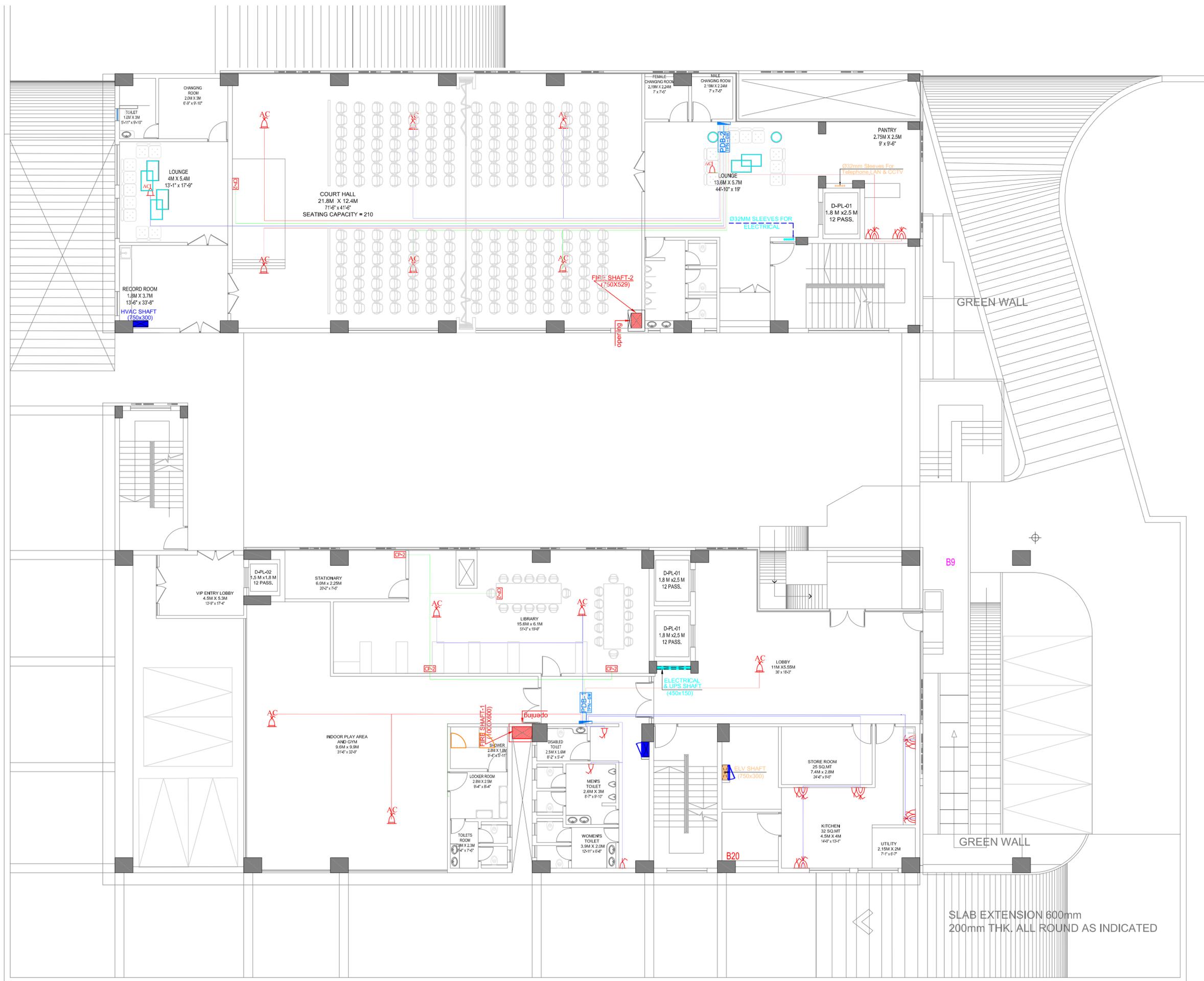
CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :



DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	04
ELECTRICAL DESIGNS	V.Mallikarjuna Rao	
PRINCIPAL CONSULTANT:	S.S.RAO	
DRG.NO: SSIPCP/TSERC/1F/K-NGR/LD-04		



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

CP
 CP
 CP

TITLE :
CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :
RAW POWER WORKING DRAWING FOR FIRST FLOOR

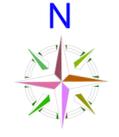
CLIENT :
TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

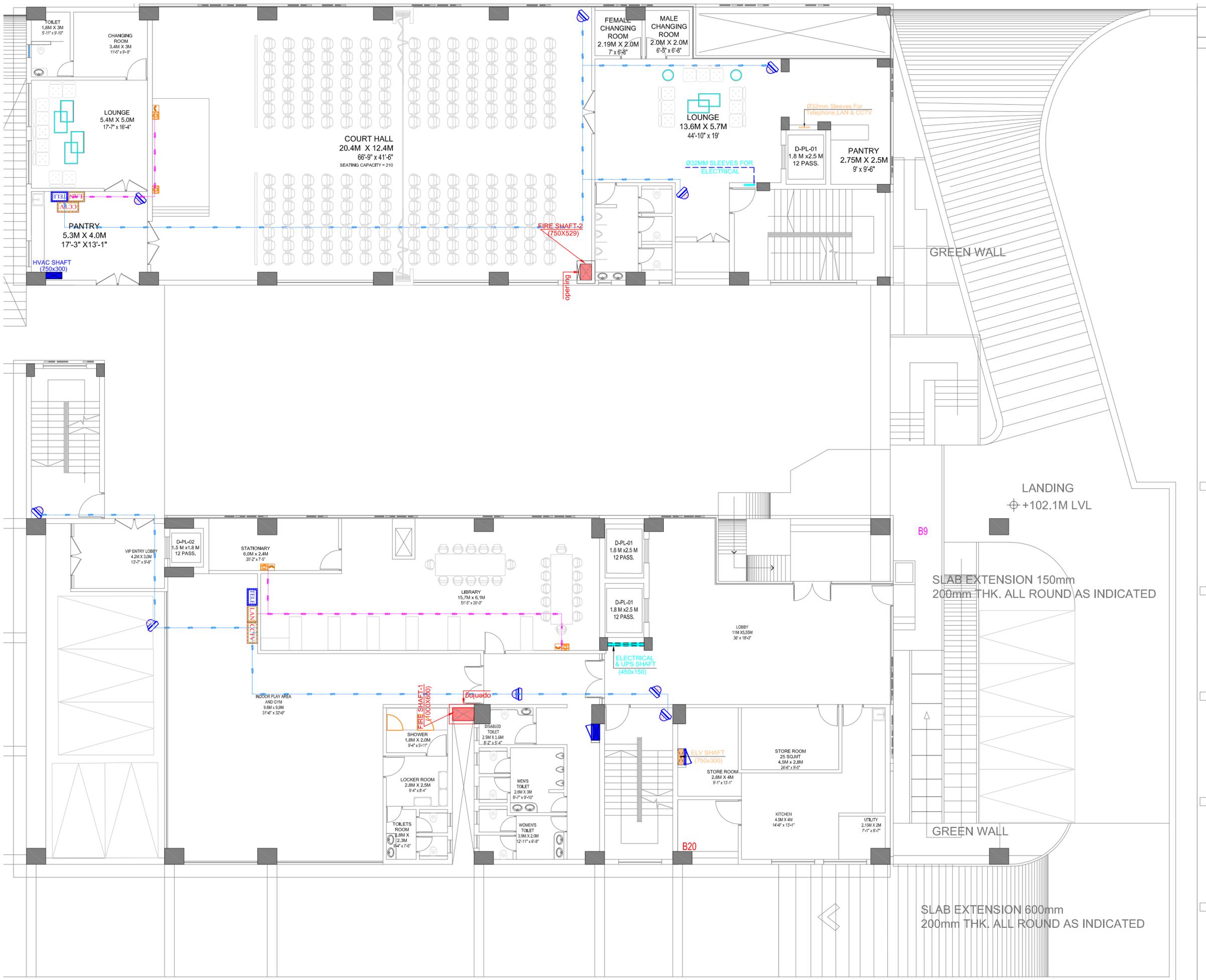
S.S. Infrastructure Project Consultants Pvt. Ltd.
 Plot No: 48, Second Floor, Sagar Society Road No.2, Banjara Hills, Hyderabad - 500034
 Ph: +91 40 35165677, 79,80. email: sspcppl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	05
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	

NORTH :



SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS



TITLE :
**CONSTRUCTION OF NET ZERO OFFICE BUILDING
 AT KALYAN NAGAR, HYDERABAD**

TITLE :
**NETWORKING & CCTV SURVEILLANCE
 DRAWING FOR FIRST FLOOR**

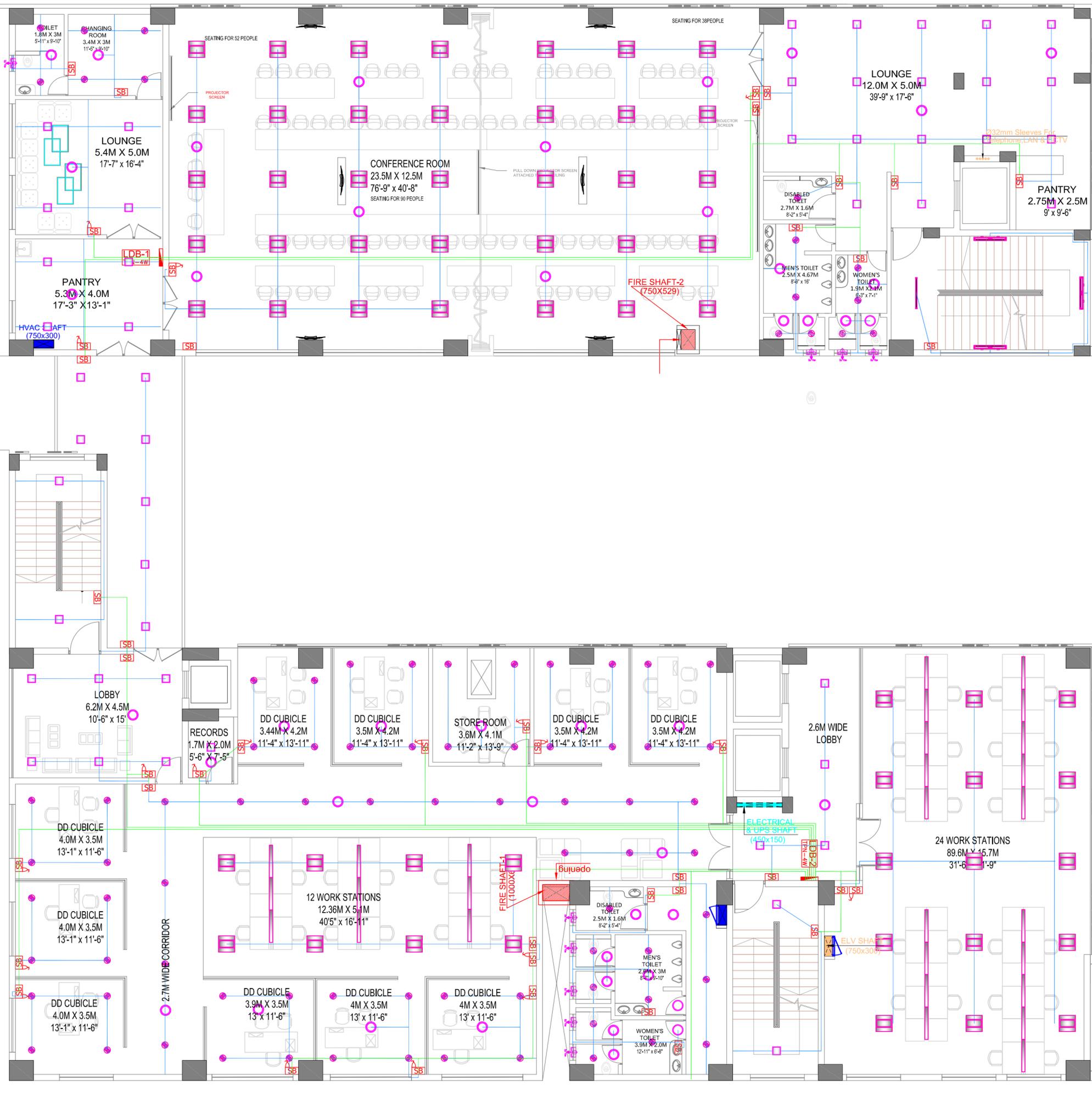
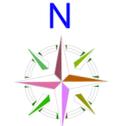
CLIENT :
**TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
 SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004**

CONSULTANTS :

S.S. Infrastructure Project Consultants Pvt. Ltd.
 Plot No: 48, Second Floor, Sagar Society
 Road No.2, Banjara Hills, Hyderabad - 500034
 Ph: +91 40 35165677, 79,80. email: ssiipcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	06
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 7) TELEPHONE SOCKET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVEOR BELOW THE WORKSTATION
- 8) TELEVISION OUTLET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE TELEVISION STATION
- 9) THE SIZE OF THE WIRES FOR VARIOUS POINTS SHALL BE AS FOLLOWS
 - a (36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
 - b FOR SWITCH BOARD TO FAN/LIGHT/POINT 2 RUNS OF 1.5sqmm MULTISTRAND (22/0.3)FOR SWITCH BOARD TO 6A SOCKET 3 RUNS OF 1.5SQMM(22/0.3
 - c FOR 16A SOCKET 2 RUNS OF 2.5.sqmm MULTISTRAND(36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
- 10) THE FOLLOWING COLOR COADING SHALL BE FOLLOWED FOR ALL WIRING
 PHASE : RED/YELLOW/BLUE
 NEUTRAL : BLACK
 EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.
- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MINIMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.

	1.5sqmm	2.5sqmm	4.0sqmm	6sqmm
19mm	5 nos	4 nos	2 nos	2 nos
25mm	9 nos	8 nos	5 nos	5 nos
32mm	13 nos	12 nos	9 nos	9 nos
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'x2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W, 4 FEET, LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMØ CEILING FAN BLDG TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM: PVC
	CONDUIT FOR CIRCUIT MAINS 25MM: PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

LIGHTING WORKING DRAWING & CONDUIT LAYOUT FOR SECOND FLOOR

CLIENT :

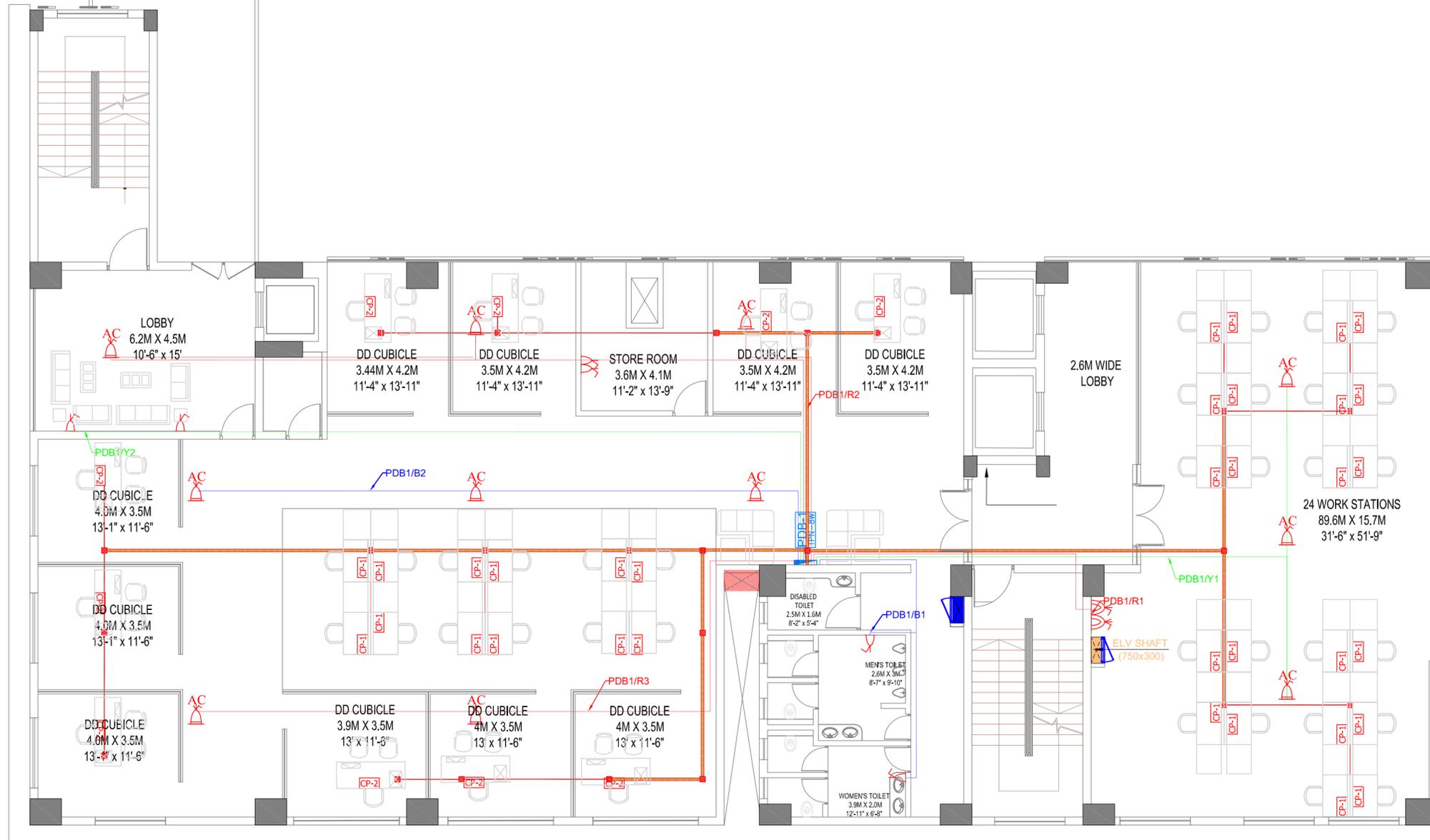
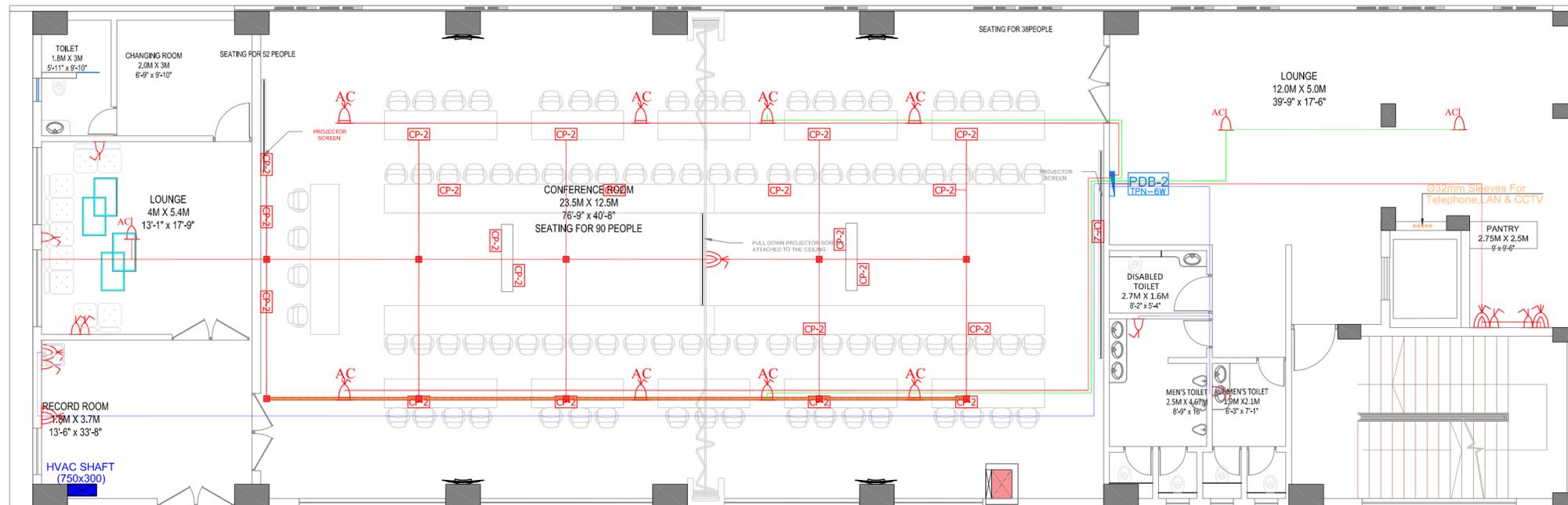
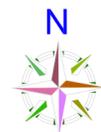
TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :



DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	
ELECTRICAL DESIGNS	V.Mallikarjuna Rao	07
PRINCIPAL CONSULTANT:	S.S.RAO	
DRG.NO: SSICPL/TSERC/2F/K-NGR/LD-07		

NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING FOR SECOND FLOOR

CLIENT :

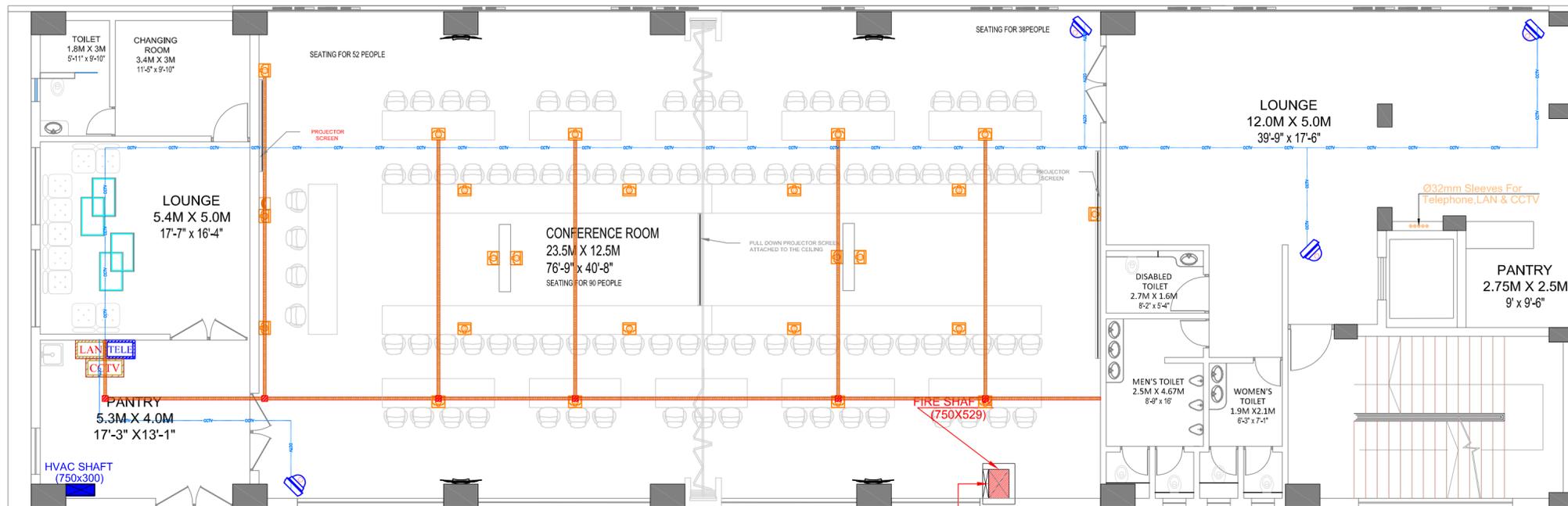
TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

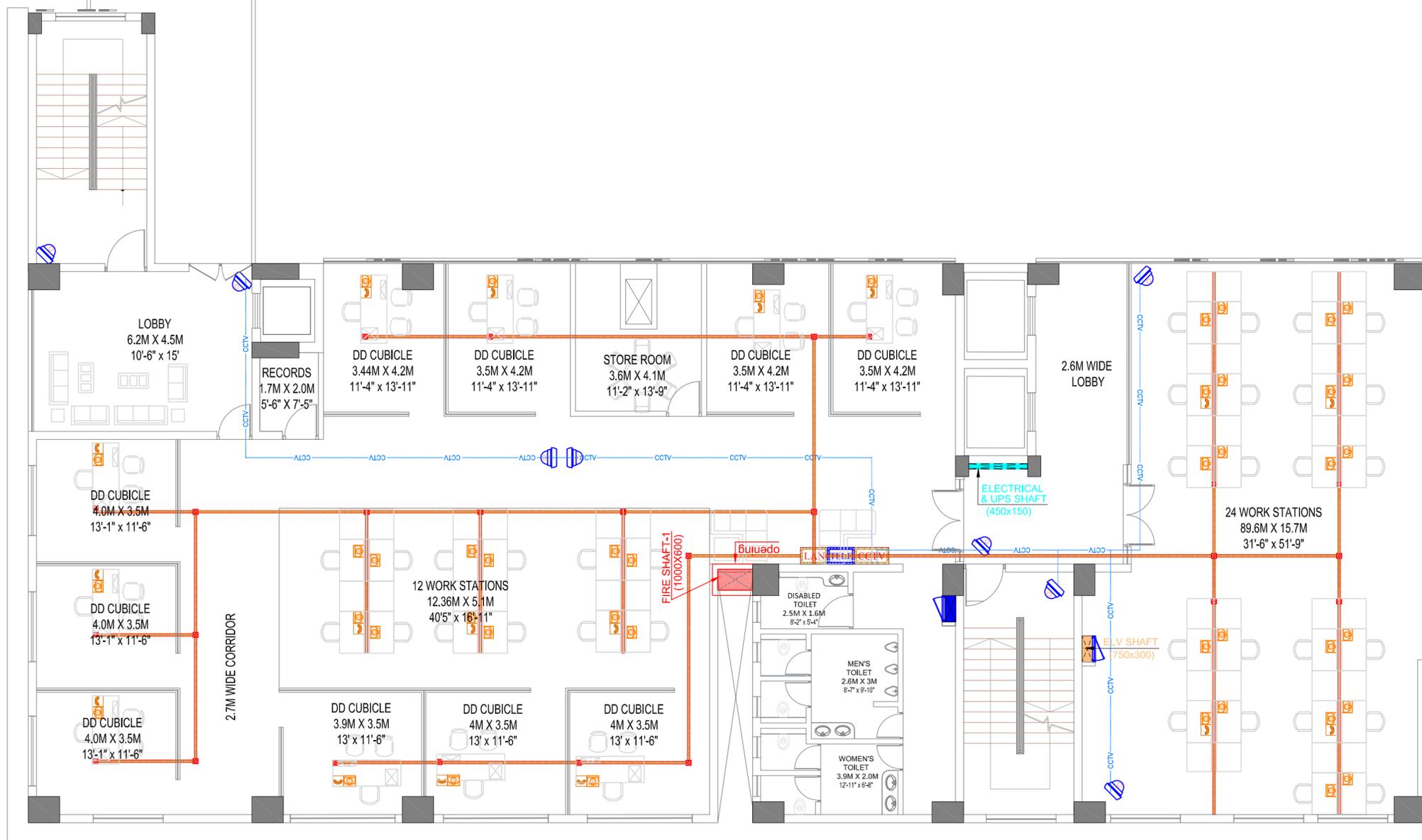
S.S. Infrastructure Project Consultants Pvt. Ltd.
 Plot No: 48, Second Floor, Sagar Society Road No:2, Banjara Hills, Hyderabad-500034
 Ph: +91 40 35165677, 79,80. email: sspicpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	08
ELECTRICAL DESIGNS	V.Mallikarjuna Rao	
PRINCIPAL CONSULTANT:	S.S.RAO	

NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS



TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE DRAWING FOR SECOND FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S. Infrastructure Project Consultants Pvt. Ltd.
 Plot No: 48, Second Floor, Sagar Society Road No.2, Banjara Hills, Hyderabad-500034
 Ph: +91 40 35165677, 79,80. email: sspcppl@gmail.com

DATE : 11-11-2023

SHEET NO:

SCALE : 1:125

DEALT BY : ABID

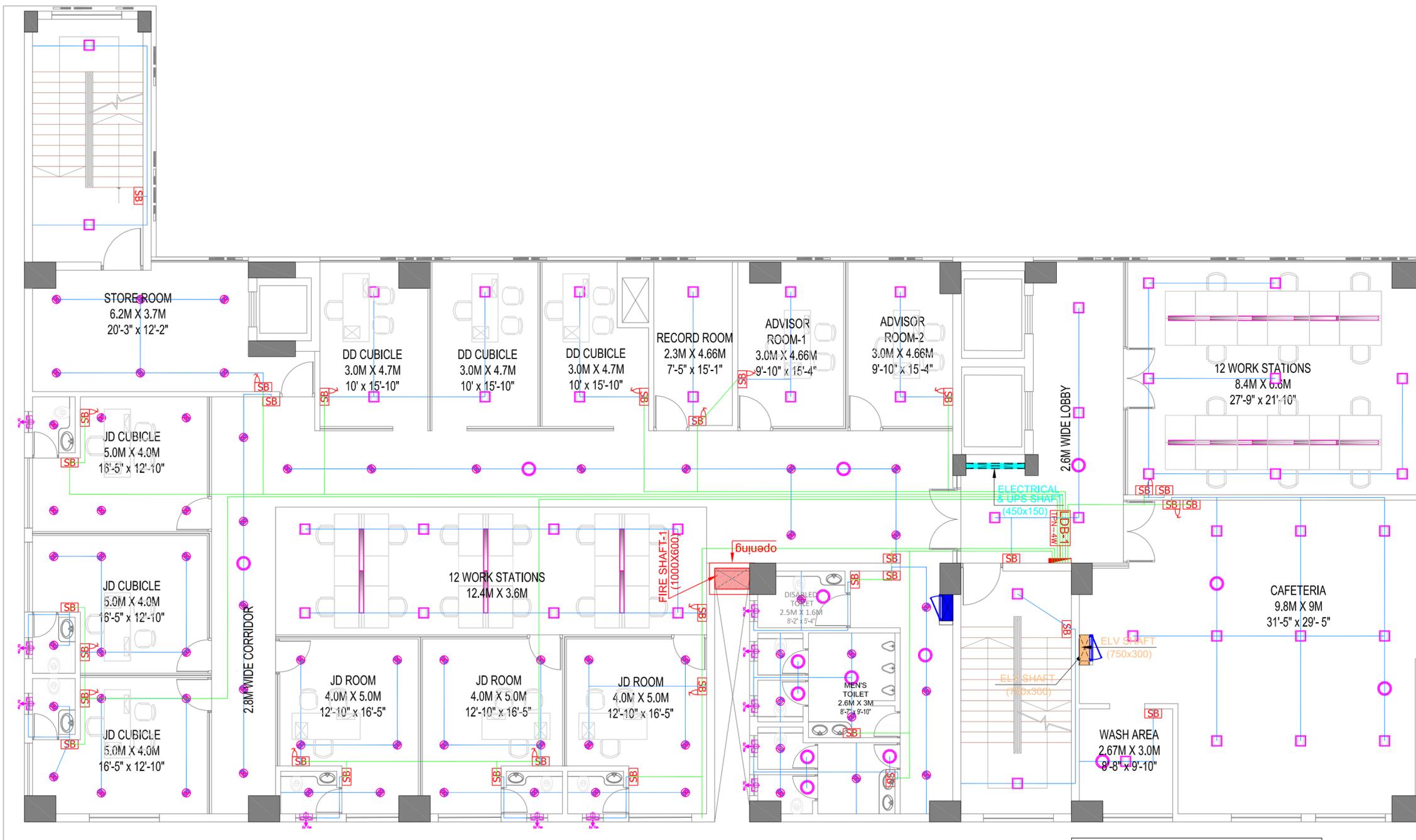
ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

09

DRG.NO: SSI PCPL/TSERC/2F/K-NGR/ELV-09

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 7) TELEPHONE SOCKET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVEOR BELOW THE WORKSTATION
- 8) TELEVISION OUTLET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE TELEVISION STATION
- 9) THE SIZE OF THE WIRES FOR VARIOUS POINTS SHALL BE AS FOLLOWS
 - a (36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
 - b FOR SWITCH BOARD TO FAN/LIGHTPOINT 2 RUNS OF 1.5sqmm MULTISTRAND (22/0.3)FOR SWITCH BOARD TO 6A SOCKET 3 RUNS OF 1.5SQMM(22/0.3
 - c FOR 16A SOCKET 2 RUNS OF 2.5.sqmm MULTISTRAND(36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
- 10) THE FOLLOWING COLOR COADING SHALL BE FOLLWED FOR ALL WIRING
 PHASE : RED/YELLOW/BLUE
 NEUTRAL : BLACK
 EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.

- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MIMUMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.

	1.5sqmm	2.5sqmm	4.0sqmm	6sqmm
19mm	5 nos	4 nos	2 nos	2 nos
25mm	9 nos	8 nos	5 nos	5 nos
32mm	13 nos	12 nos	9 nos	9 nos
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :	
ITEM	DESCRIPTION
	36W, 2'X2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W, 4 FEET, LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMØ CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :
CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :
LIGHTING WORKING DRAWING CONDUIT LAYOUT FOR THIRD FLOOR

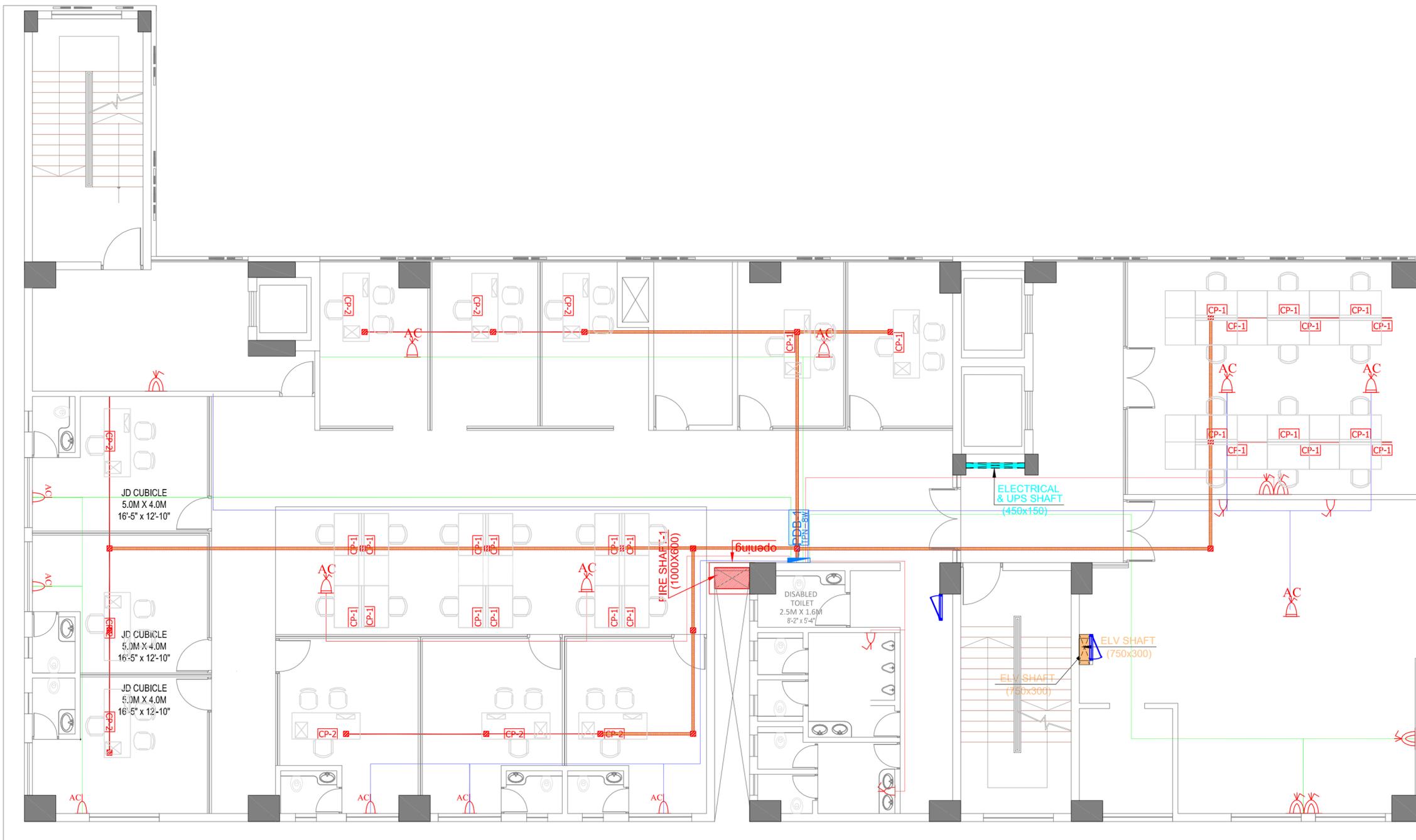
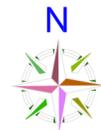
CLIENT :
TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S. Infrastructure Project Consultants Pvt. Ltd.
 Plot No: 48, Second Floor, Sagar Society Road No.2, Banjara Hills, Hyderabad - 500034
 Ph: +91 40 35165677, 79, 80. email: sspcpl@gmail.com

DATE :	11-11-2023	SHEET NO:
SCALE :	1:125	
DEALT BY :	ABID	10
ELECTRICAL DESIGNS	V.Mallikarjuna Rao 	
PRINCIPAL CONSULTANT:	S.S.RAO 	
DRG.NO: SSIPCL/TSERC/3F/K-NGR/LD-10		

NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING
DRAWING FOR THIRD FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S. Infrastructure Project Consultants Pvt. Ltd.
Plot No: 48, Second Floor, Sagar Society
Road No.2, Banjara Hills, Hyderabad - 500034
Ph: +91 40 35165677, 79,80. email: ssipecpl@gmail.com

DATE : 11-11-2023

SCALE : 1:125

DEALT BY : ABID

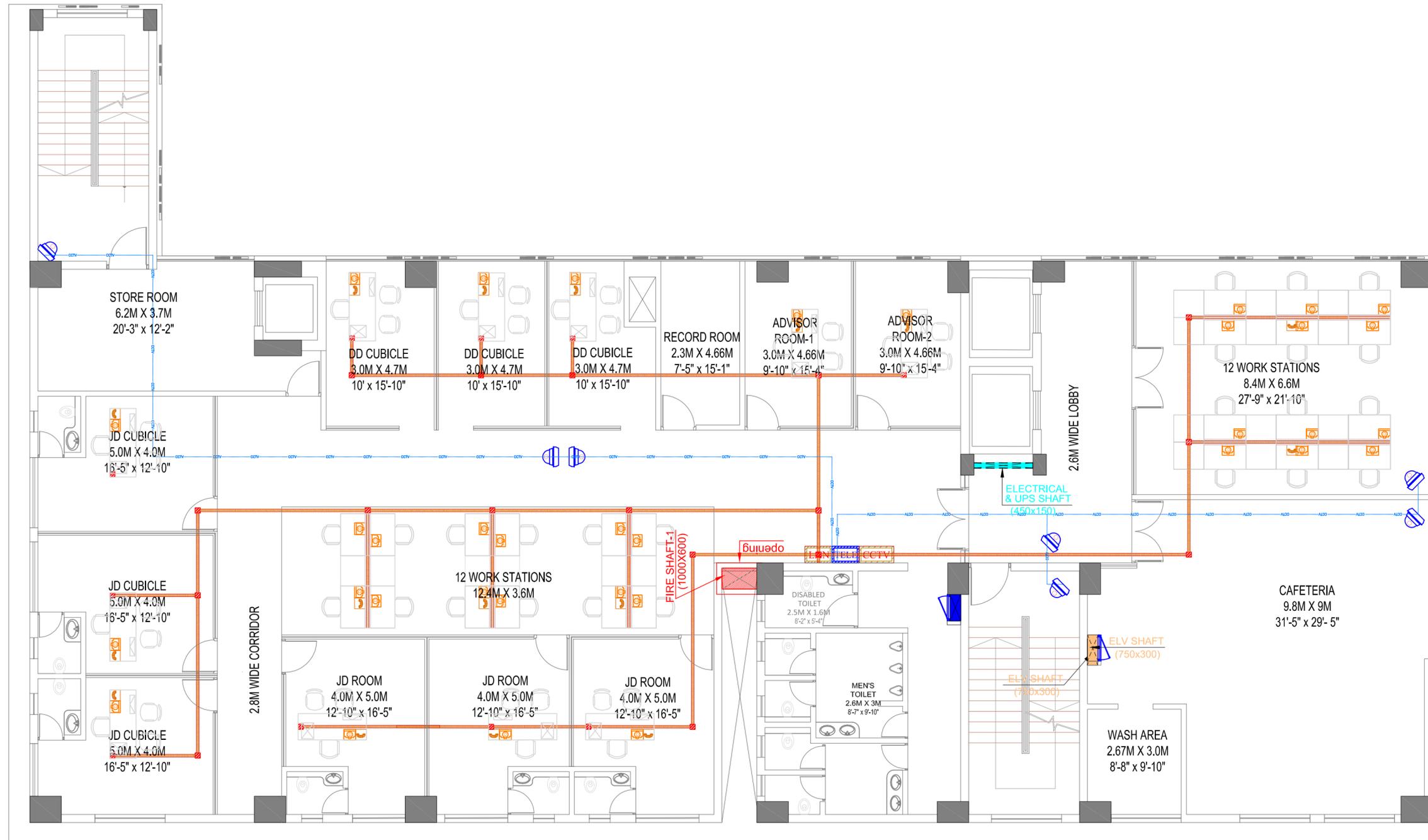
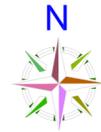
ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

11

DRG.NO: SSIPCPL/TSERC/3F/K-NGR/RPD-11

NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE DRAWING FOR THIRD FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S. Infrastructure Project Consultants Pvt. Ltd.
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Ph: +91 40 35165677, 79, 80. email: sssicpl@gmail.com

DATE : 11-11-2023

SHEET NO:

SCALE : 1:125

DEALT BY : ABID

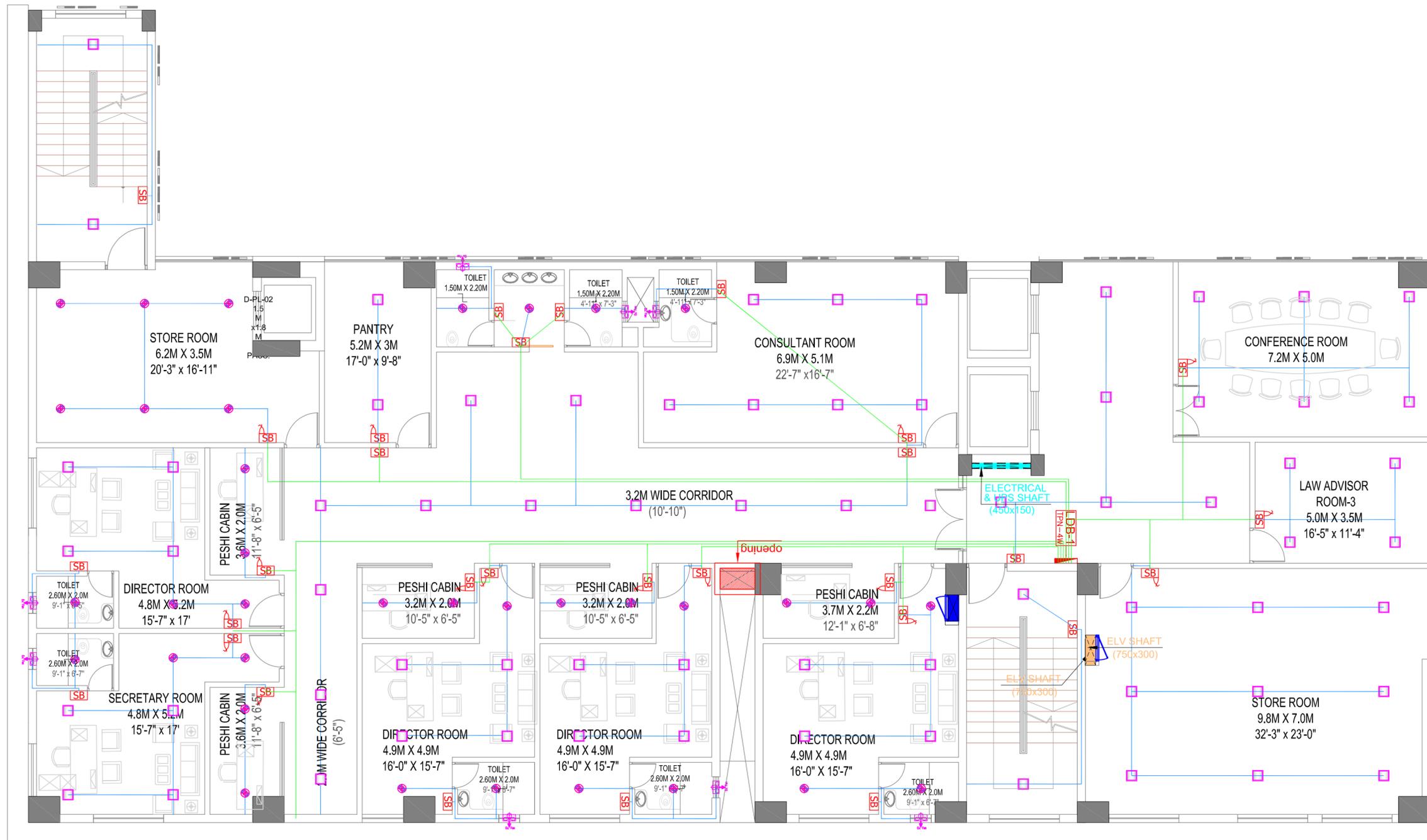
ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

12

DRG.NO: SSIPCPL/TSERC/3F/K-NGR/ELV-12

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 7) TELEPHONE SOCKET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVEOR BELOW THE WORKSTATION
- 8) TELEVISION OUTLET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE TELEVISION STATION
- 9) THE SIZE OF THE WIRES FOR VARIOUS POINTS SHALL BE AS FOLLOWS
 - a (36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
 - b FOR SWITCH BOARD TO FAN/LIGHTPOINT 2 RUNS OF 1.5sqmm MULTISTRAND (22/0.3)FOR SWITCH BOARD TO 6A SOCKET 3 RUNS OF 1.5SQMM(22/0.3
 - c FOR 16A SOCKET 2 RUNS OF 2.5.sqmm MULTISTRAND(36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
- 10) THE FOLLOWING COLOR COADING SHALL BE FOLLWED FOR ALL WIRING

PHASE : RED/YELLOW/BLUE
NEUTRAL : BLACK
EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.

- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MIMUMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.

	1.5sqmm	2.5sqmm	4.0sqmm	6sqmm
19mm	5 nos	4 nos	2 nos	2 nos
25mm	9 nos	8 nos	5 nos	5 nos
32mm	13 nos	12 nos	9 nos	9 nos
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :

ITEM	DESCRIPTION
	36W, 2'X2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W,4 FEET,LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMØ CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM: PVC
	CONDUIT FOR CIRCUIT MAINS 25MM: PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

LIGHTING WORKING DRAWING CONDUIT LAYOUT FOR FOURTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

S.S.Infrastructure Project Consultants Pvt. Ltd.
Plot No: 48, Second Floor, Sagar Society Road No.2, Banjara Hills, Hyderabad - 500034
Ph: +91 40 35165677, 79, 80. email: sspcpl@gmail.com

DATE : 11-11-2023

SHEET NO:

SCALE : 1:125

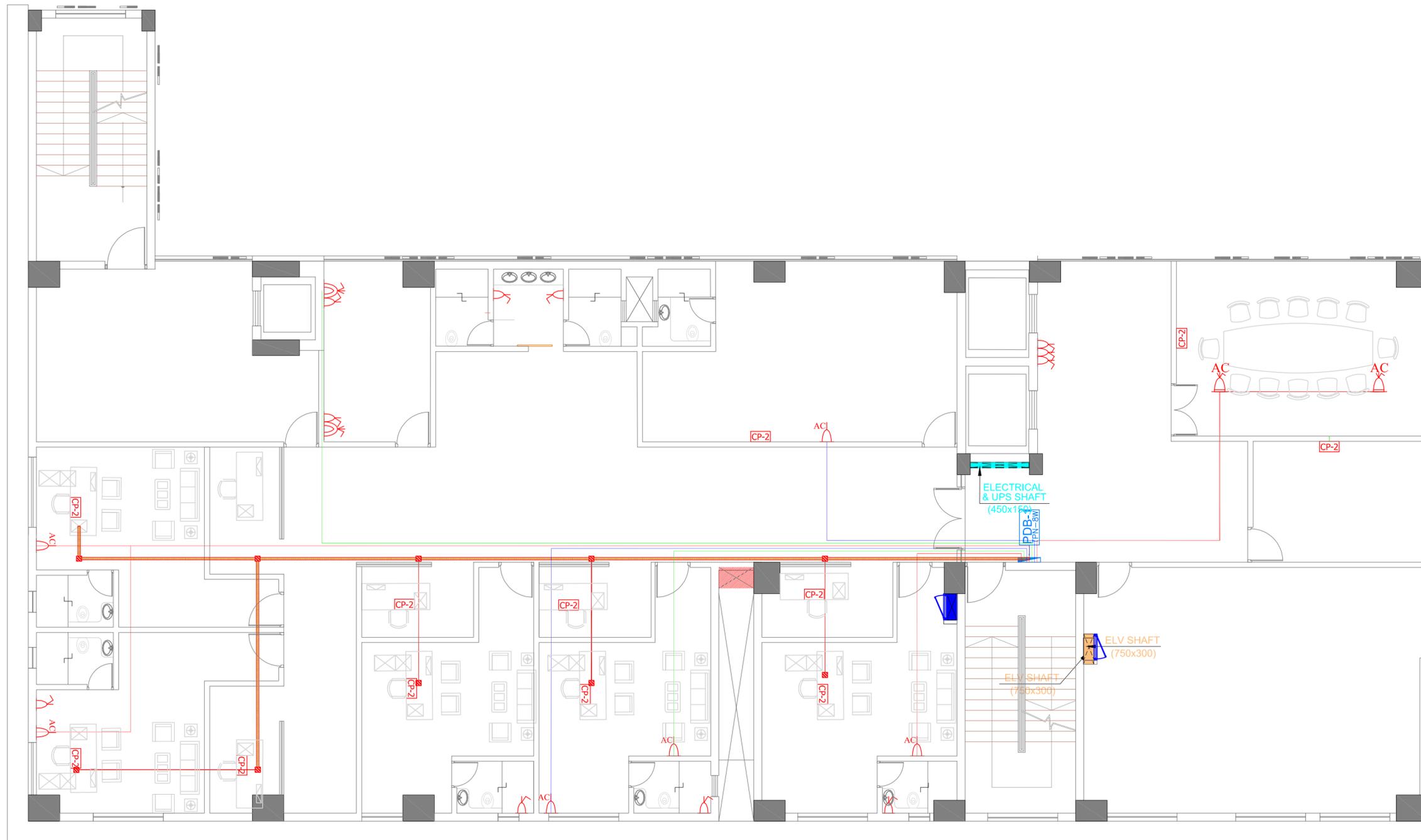
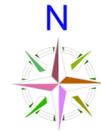
DEALT BY : ABID

ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

DRG.NO: SSIPL/TSER/4F/K-NGR/LD-13

NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

--	--

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING
DRAWING FOR FOURTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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DATE : 11-11-2023

SCALE : 1:125

DEALT BY : ABID

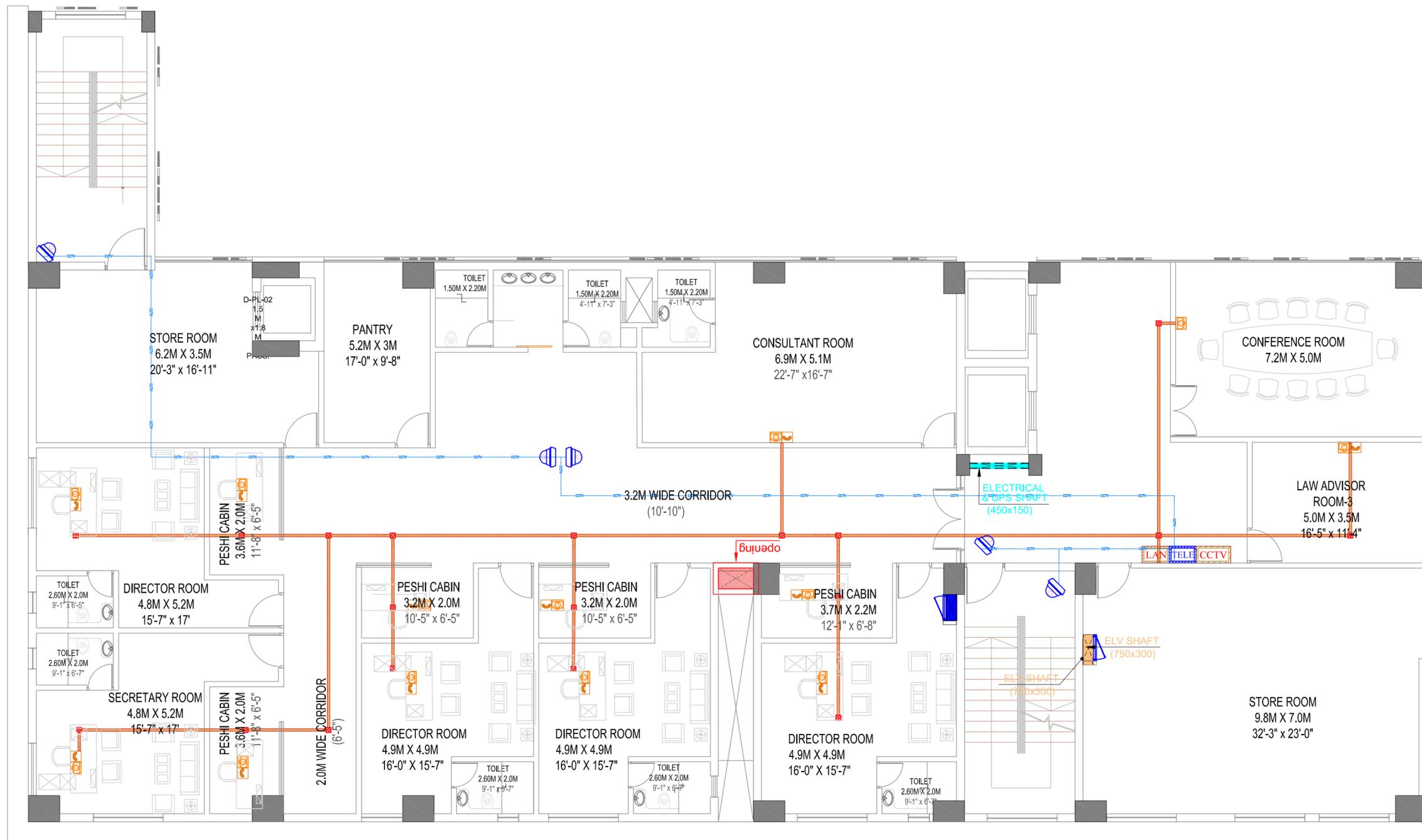
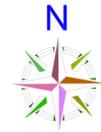
ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

14

DRG.NO: SSIPCPL/TSERC/4F/K-NGR/RPD-14

NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE
DRAWING FOR FOURTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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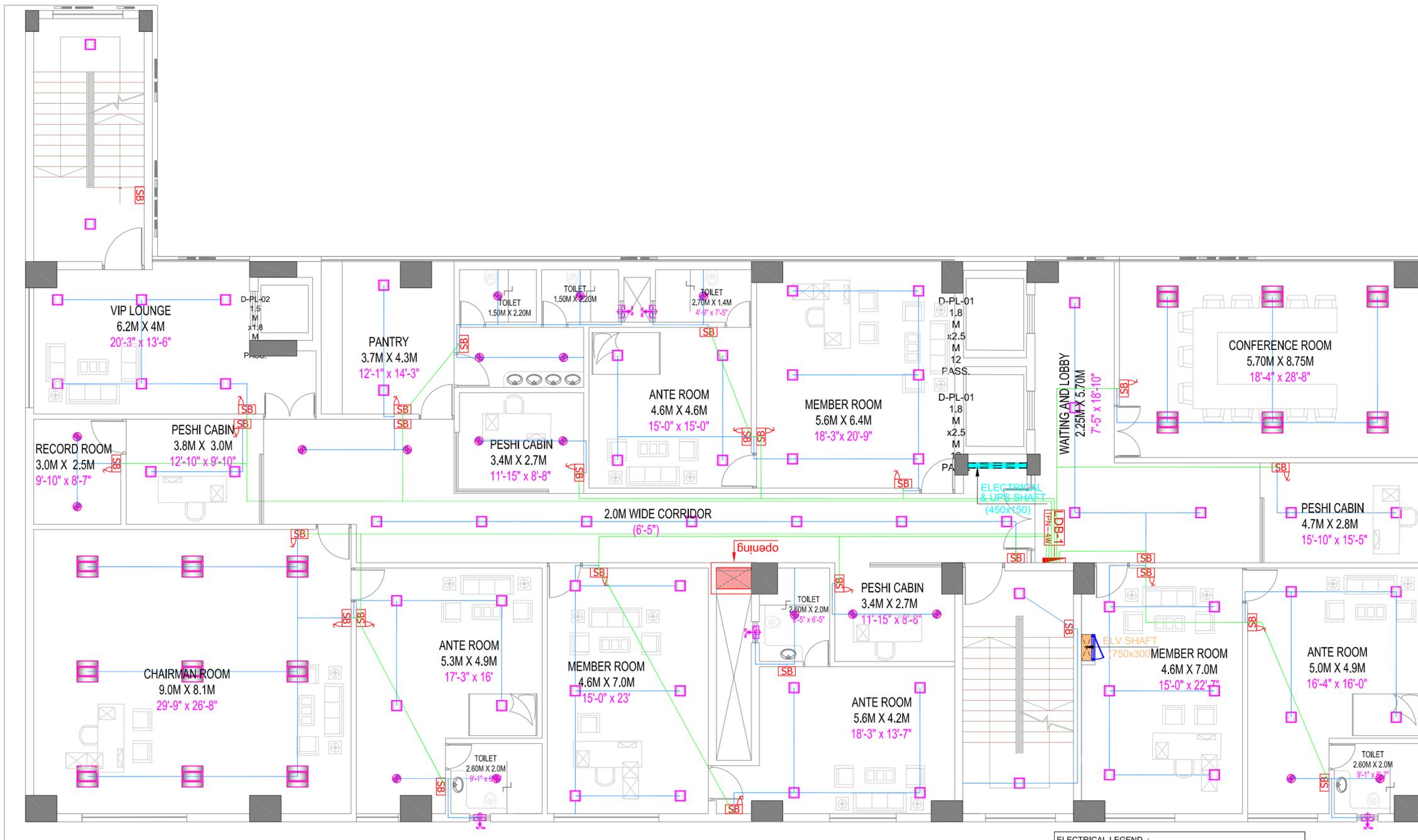
ELECTRICAL
DESIGNS V.Mallikarjuna Rao

PRINCIPAL
CONSULTANT: S.S.RAO

15

DRG.NO: SSIPCPL/TSERC/4F/K-NGR/ELV-15

NORTH :



- 1) I.S. SPECIFICATIONS AND WIRING SHALL BE CARRIED AS PER I.S.732 AND NEC
- 2) THE LOCATION OF THE SWITCH BOARD SHOULD BE 1200mm FROM THE FFL & 230mm FROM THE EDGE OF DOOR FRAME
- 3) WHERE EVER LDB LOCATION HAS BEEN FIXED THE RESPECTIVE WALL SHALL BE MADE WITH 9" OR 230MM
- 4) DB POSITION SHOULD BE 450mm BELOW FROM THE BEEM BOTTOM LEVEL
- 5) LIGHT POSITION SHOULD BE 2100mm FROM THE FINISHED FLOOR LEVEL
- 6) ALL SOCKET POSITION SHOULD BE 750mm ABOVE FFL OR 150mm ABOVE OR BELOW THE WORKSTATION
- 7) TELEPHONE SOCKET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVEOR BELOW THE WORKSTATION
- 8) TELEVISION OUTLET SHOULD POSITIONED 750mm ABOVE THE FFL OR 150mm ABOVE TELEVISION STATION
- 9) THE SIZE OF THE WIRES FOR VARIOUS POINTS SHALL BE AS FOLLOWS
 - a (36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
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 - c FOR 16A SOCKET 2 RUNS OF 2.5.sqmm MULTISTRAND(36/0.3) 1RUN OF 2.5sqmm (36/0.3)FOR EARTH
- 10) THE FOLLOWING COLOR COADING SHALL BE FOLLWED FOR ALL WIRING

PHASE : RED/YELLOW/BLUE
 NEUTRAL : BLACK
 EARTH : GREEN/COLOR LESS
- 11) FOR EVERY CIRCUIT MAIN SEPARATE NEUTRAL AND EARTH WIRE SHALL BE DRAWN ALONG PHASE WIRE.

- 12) FOR TELEPHONE WIRING 2 PAIR 0.52mm DIA WIRE SHALL BE USED
- 13) FOR TELEVISION APPROPRIATE RG CO-AXIAL CABLE SHOULD BE USED
- 14) ALL ELECTRICAL CONDUITS SHALL BE 2MM THICK PVC AND MIMUMUM 19mm& 25mm DIA SIZE WITH ISI MARK ONLY UN LESS SPECIFIED
- 15) THE NUMBER OF WIRES THAT CAN DRAWN THROUGH A CONDUIT GIVEN BELOW.

	1.5sqmm	2.5sqmm	4.0sqmm	6sqmm
19mm	5 nos	4 nos	2 nos	2 nos
25mm	9 nos	8 nos	5 nos	5 nos
32mm	13 nos	12 nos	9 nos	9 nos
- 16) FOR TELEPHONE/TELEVISION SEPARATE CONDUIT SHALL BE LAID.
- 17) FOLLOW THE ARCHITECTURAL DRAWING WITH ELECTRICALDRAWING

ELECTRICAL LEGEND :

ITEM	DESCRIPTION
	36W, 2'x2' LED FITTING
	18W LED DOWN LIGHT
	12 W LED DOWN LIGHT
	20W, 4 FEET, LED BATTEN
	25 W LINEAR LIGHT
	PROGRAMMABLE OCCUPANCY SENSORS
	1200MMØ CEILING FAN BLDC TYPE
	LIGHT DUTY EXHAUST FAN
	CEILING ROSE PROPOSED FOR LIGHT POINT IN FUTURE
	SWITCH BOARD WITH 1X6A SOCKET & SWITCH (COMMON BOARD)
	LIGHTING DISTRIBUTION BOARD
	CONDUIT FOR LIGHTING POINTS 25MM PVC
	CONDUIT FOR CIRCUIT MAINS 25MM PVC

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

LIGHTING WORKING DRAWING CONDUIT LAYOUT FOR FIFTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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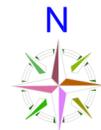
ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

DRG.NO: SSIPCPL/TSERC/5F/K-NGR/LD-16

16

NORTH :



SL.NO	ITEM	DESCRIPTION
01		6A Socket 3/2 Pin In Separate Switch Board
02		16/6A socket 2 In One With Switch control
03		Computer Point 2x(6A Soc+6A Switch)
04		20A AC socket
05		6A AC socket
06		Computer Point 3x(6A Soc+6A Switch)
07		Power Distribution Board
08		Conduit For Power Circuits R-Phase
09		Conduit For Power Circuits Y-Phase
10		Conduit For Power Circuits B-Phase
11		RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING AT KALYAN NAGAR, HYDERABAD

TITLE :

RAW POWER WORKING DRAWING DRAWING FOR FIFTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

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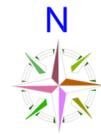
ELECTRICAL DESIGNS : V.Mallikarjuna Rao

PRINCIPAL CONSULTANT: S.S.RAO

17

DRG.NO: SSIPCPL/TSERC/5F/K-NGR/RPD-17

NORTH :



LEGEND	
SYMBOL	DESCRIPTION
	25mm DIA TELEPHONE & DATA CONDUIT
	25mm DIA CCTV CAMERA CONDUIT
	LAN NETWORK RACK
	CCTV PORT
	TELEPHONE JUNCTION BOX
	TELEPHONE POINT
	LAN PORT
	BULLET CAMERA POINT
	DOME CAMERA
	100 x 25 RACE WAY FOR LAN & TELEPHONE
	122 x 52 FLOOR JUNCTION BOX FOR DATA AND TELEPHONE
	ELV RACEWAYS

TITLE :

CONSTRUCTION OF NET ZERO OFFICE BUILDING
AT KALYAN NAGAR, HYDERABAD

TITLE :

NETWORKING & CCTV SURVEILLANCE
DRAWING FOR FIFTH FLOOR

CLIENT :

TELANGANA STATE ELECTRICITY REGULATORY COMMISSION
SINGARENI BHAVAN, RED HILLS, HYDERABAD-500 004

CONSULTANTS :

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ELECTRICAL
DESIGNS

PRINCIPAL
CONSULTANT:

18

DRG.NO: SSIPCPL/TSERC/5F/K-NGR/ELV-18