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 - i. SPRINKLER INSTALLATION
 - ii. AUTOMATIC FIRE DETECTION SYSTEMS
 - iii. AIR CONDITIONING SYSTEM & DISTRIBUTION (HVAC)
 - iv. EMERGENCY LIGHTING
 - v. PRIMARY WIRING DESIGN & DISTRIBUTION
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KEY PLAN :

AMMENDMENTS :

S.NO.	REV.DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-PWR-01 **R0**

DRAWING TITLE :
POWER LAYOUT

LOCATION :
NOIDA

DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
KFC- INTERNATIONAL AIRPORT @ NOIDA

CLIENT :
TRAVEL FOOD SERVICES

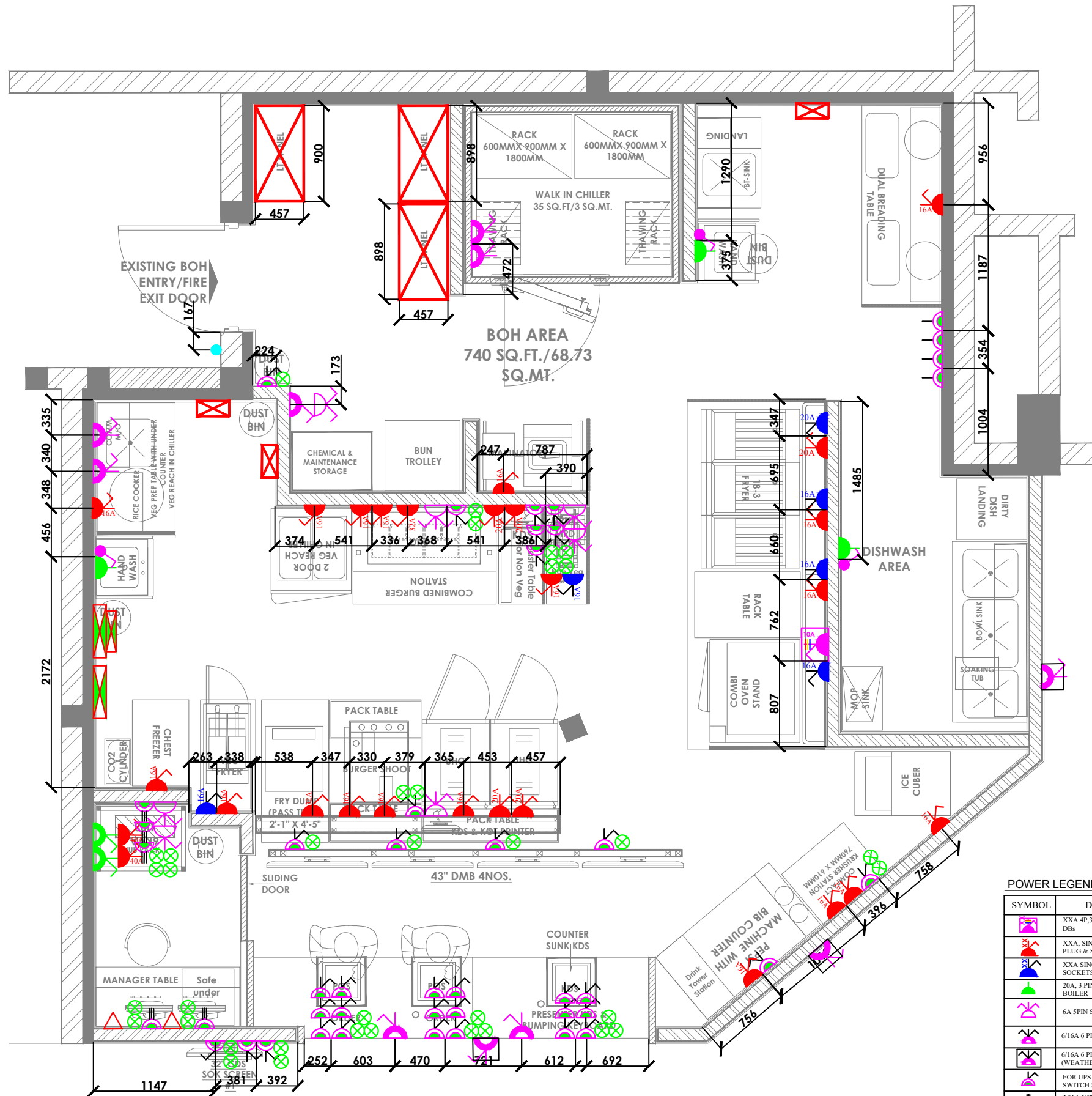


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Near Amarnath Patil Ground, Govandi-(E)
Mumbai 400 088
TEL: +91 22 6740 7640.
Email: MEP@whitewaterdesign.in

POWER LEGEND:-

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	XXX 4P3 PHASE METRA PLUG & SOCKETS DBs		20A SWITCH FOR GEYSER / BOILER
	XXX SINGLE PHASE METRA PLUG & SOCKETS DBs		CAT6 INFORMATION OUTLET
	XXX SINGLE PHASE METRA PLUG & SOCKETS DBs MDS FED FROM UPS		RJ11 TELEPHONE OUTLET
	20A, 3 PIN SOCKET OUTLET FOR GEYSER / BOILER		HAND DRYER WITH 6/16A SWITCH SOCKET
	6A 5PIN SWITCH SOCKET OUTLET		DOOR BELL SWITCH
	6/16A 6 PIN SWITCH SOCKET OUTLET		MCB ENCLOSURE
	6/16A 6 PIN SWITCH SOCKET OUTLET (WEATHERPROOF)		MCB ENCLOSURE (WEATHERPROOF)
	FOR UPS (BLACK COLOR) 6A FLAT PIN SWITCH SOCKET OUTLET		DISTRIBUTION BOARD
	3*6A UPS SOCKETS WITH 1 N.O 16 A SWITCH		MAIN LT PANEL
	16 A SWITCH SOCKETS FOR UPSDB		

1. GI CONDUIT TO BE USED.
2. UPS BATTERIES SHOULD BE OS ISI APPROVED DRY TYPE
3. ALL CABLE MATERIALS SHOULD BE OF A++ MATERIALS.



POWER LEGEND:-

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	XXA, SINGLE PHASE METRA PLUG & SOCKETS DBs		CAT6 INFORMATION OUTLET
	XXA SINGLE PHASE METRA PLUG & SOCKETS DBs MDS FED FROM UPS		RJ11 TELEPHONE OUTLET
	20A, 3 PIN SOCKET OUTLET FOR GEYSER / BOILER		HAND DRYER WITH 6/16A SWITCH SOCKET
	6A 5PIN SWITCH SOCKET OUTLET		DOOR BELL SWITCH
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	6/16A 6 PIN SWITCH SOCKET OUTLET (WEATHERPROOF)		MCB ENCLOSURE (WEATHERPROOF)
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1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-PWRD-02 **R0**

DRAWING TITLE :
POWER DIMENSIONS LAYOUT

LOCATION :
NOIDA

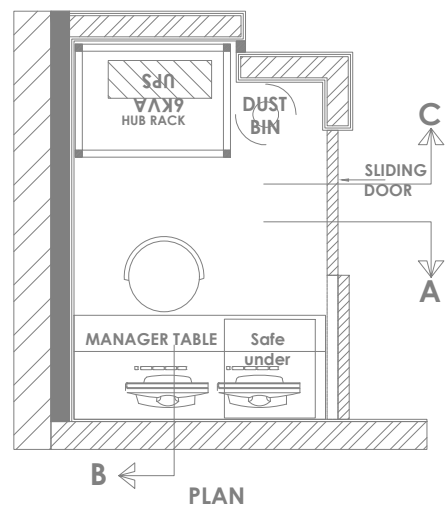
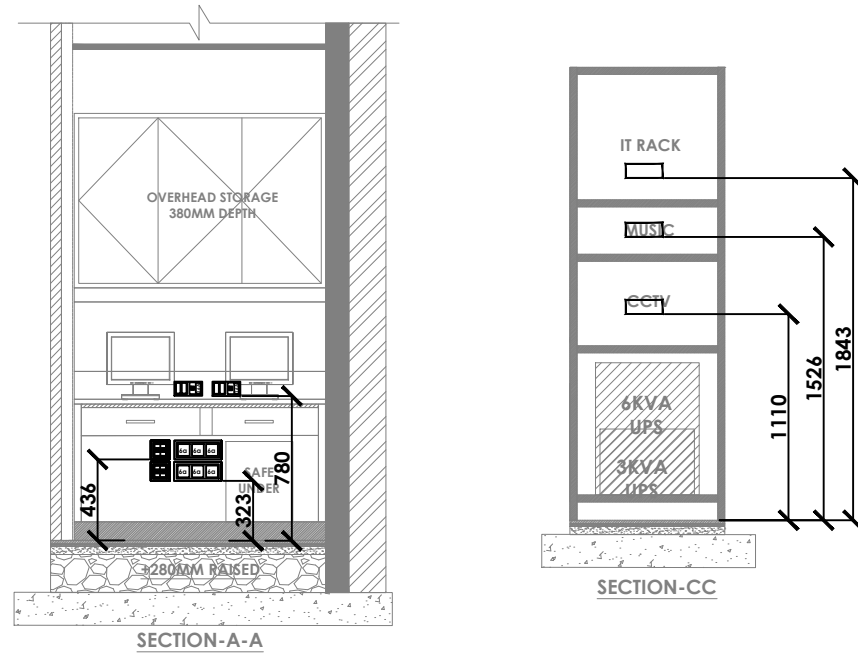
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SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
KFC- INTERNATIONAL AIRPORT @ NOIDA

CLIENT :
TRAVEL FOOD SERVICES



HEAD OFFICE:-
 Anchorage, off Govandi Station Rd
 Near Amarnath Patil Ground, Govandi-(E)
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MANAGER TABLE & IT RACK

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S.NO.	REV.DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-ME-03 **R0**

DRAWING TITLE :
MANAGER DESK SB
DIMENSIONS LAYOUT

LOCATION :
NOIDA

DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

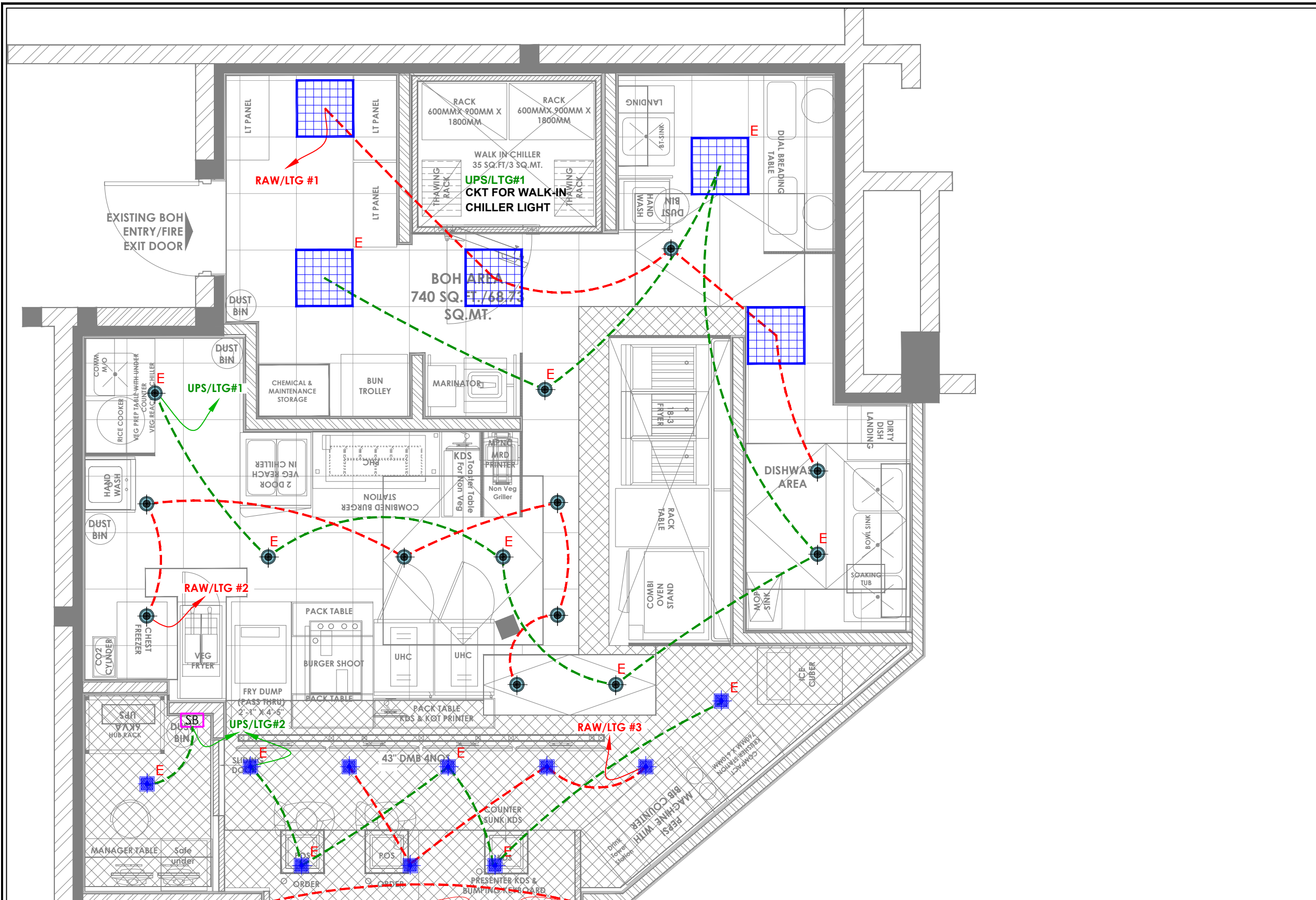
PROJECT :
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TRAVEL FOOD SERVICES



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RAW/LTG #04 FOR ORDER & PICK-UP

RAW/LTG #05 FOR ALACARTE

LIGHTING LEGEND

NO.	DESCRIPTION	INDICATION	QTY.
01	15 W LED SQAURE DOWN LITE CONCEALED - 6000K WHITE FINISH (FOR MOH AREA, DRY STORE, MANAGER & CREW)		10
02	36W (2' X 2') LED 36W CONCEALED RECESSED MIRROR OPTIC LIGHT) WHITE COLOR - 6000K (WHITE LIGHT) (FOR BOH AREA)		05
03	AN-2007 15 W,6000K LED CIRCULAR CONCEALED FITTING IN WHITE FIXTURE (BOH AREA - WHITE LIGHT) FOR TRAP DOOR		14

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1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-LTG-04 **R0**

DRAWING TITLE :
LIGHTING LAYOUT

LOCATION :
NOIDA

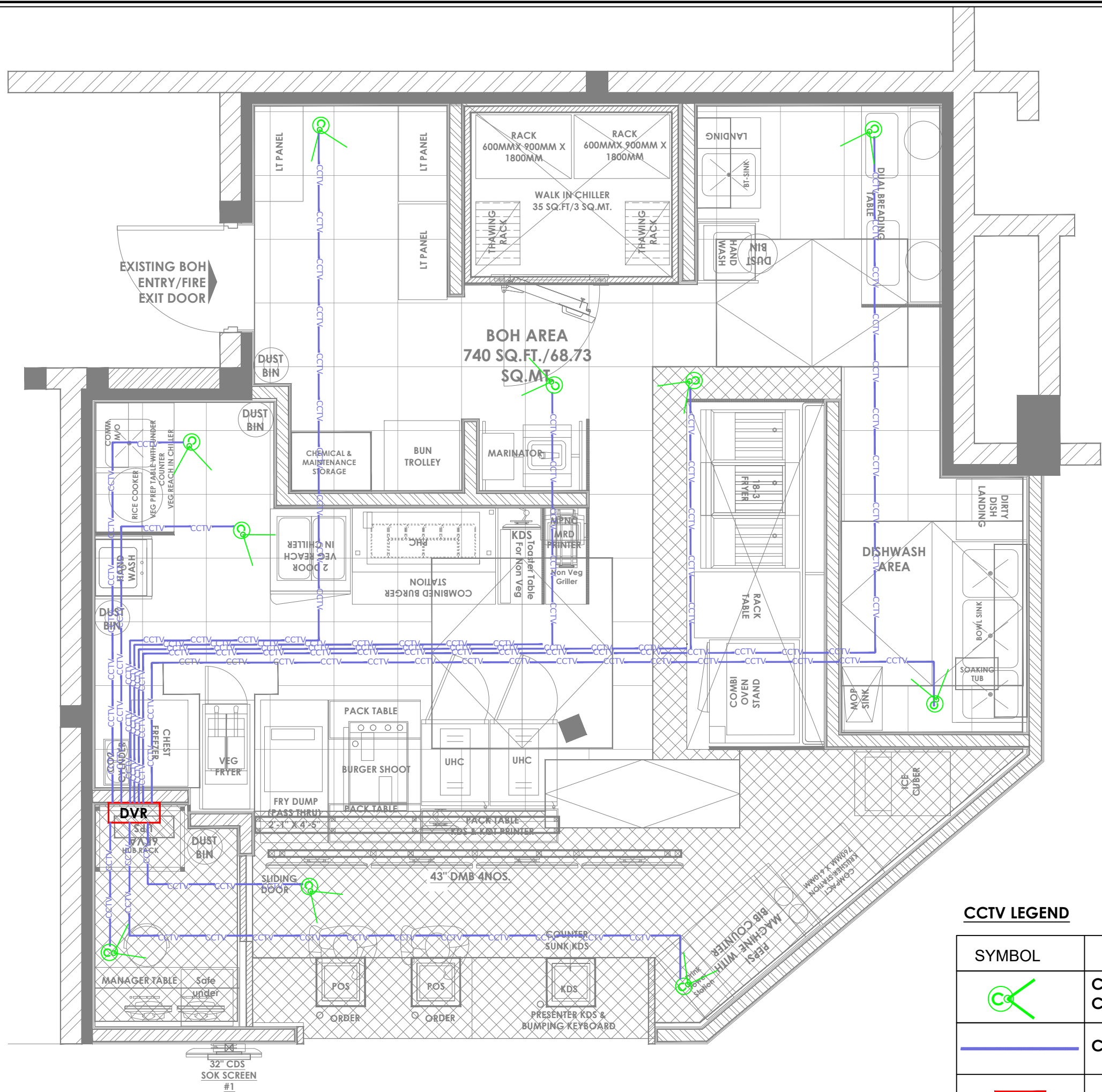
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DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
KFC- INTERNATIONAL AIRPORT @ NOIDA

CLIENT :
TRAVEL FOOD SERVICES

WHITEWATER DESIGN STUDIO

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Anchorage, off Govandi Station Rd
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CCTV LEGEND

SYMBOL	DESCRIPTION
	CEILING MOUNTED DOME CAMERA
	CCTV CABLE
	DVR

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1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-CCTV-05 **R0**

DRAWING TITLE :
CCTV LAYOUT

LOCATION :
NOIDA

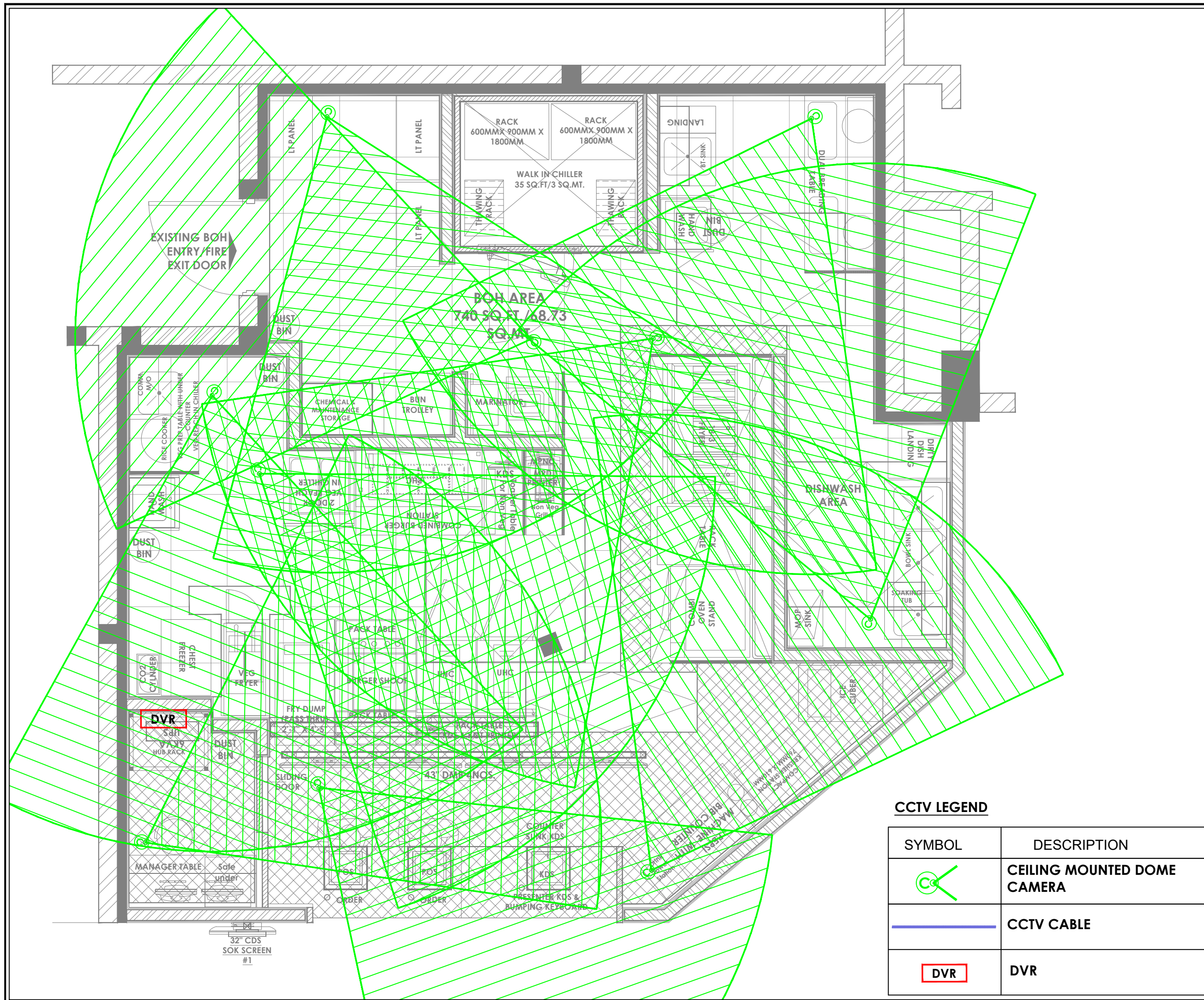
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DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
KFC- INTERNATIONAL AIRPROT @ NOIDA

CLIENT :
TRAVEL FOOD SERVICES



HEAD OFFICE:-
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DRAWING NO :
KFC-NIA-CCTVC-06 **R0**

DRAWING TITLE :
CCTV COVERAGE LAYOUT

LOCATION :
NOIDA

DATE : 05.11.2024
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PROJECT :
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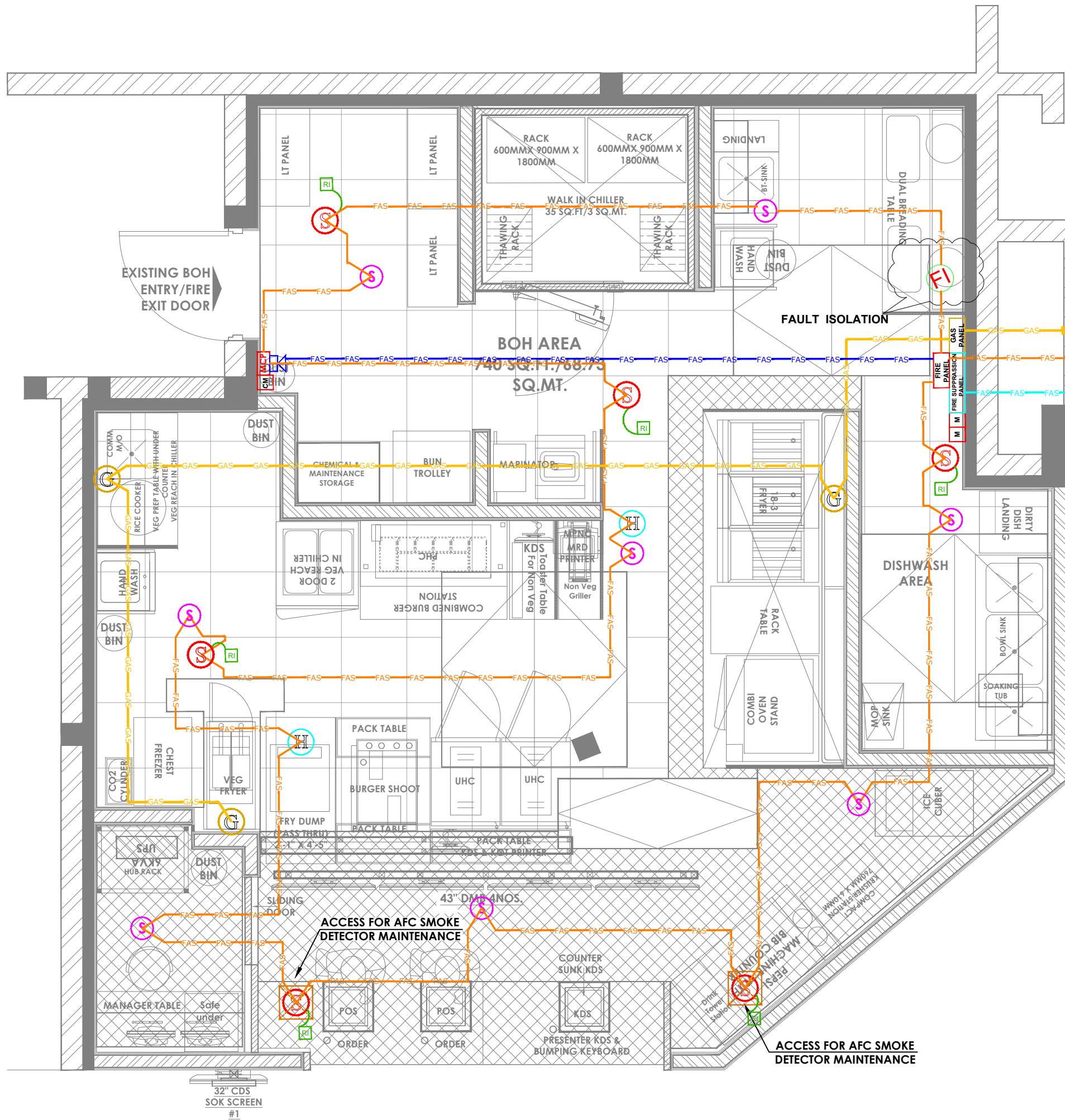
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CCTV LEGEND

SYMBOL	DESCRIPTION
	CEILING MOUNTED DOME CAMERA
	CCTV CABLE
	DVR



TO BE INTERFACE WITH FAS PANEL
 TO BE INTERFACE WITH AIRPORT FAS PANEL
 TO BE INTERFACE WITH FAS PANEL

FIRE ALARM LEGEND :-

SYMBOL	DESCRIPTION
Ⓢ	ADD.SMOKE DETECTOR (AFC)
Ⓢ	ADD. SMOKE DETECTOR (BFC)
Ⓜ	ADD. HEAT DETECTOR
RI	RESPONSE INDICATOR
MCP	CON.MANUAL CALL POINT
K	HOOTER WITH FLASHER
HOOD SUPP. PANEL	HOOD SUPPRESSION PANEL
FI	FAULT ISOLATION
CM	CONTROL MODULE
M	MONITOR MODULE ABOVE FIRE PANEL
— (Yellow)	4C X 1.5 sq mm Cu. Arm. Cable
— (Orange)	2C X 1.5 sq mm Cu. Arm. Cable
— (Blue)	HOOTER CONTROL CABLE

- NOTE:**
- FAS NEED TO BE INTEGRATED WITH AIRPORT SYSTEM**
 - FIRE ALARM SYSTEM SHOULD BE WIRED WITH FIRE RATED CABLE**

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DRAWING NO : KFC-NIA-FAS-07 **R0**

DRAWING TITLE : FAS LAYOUT

LOCATION : NOIDA

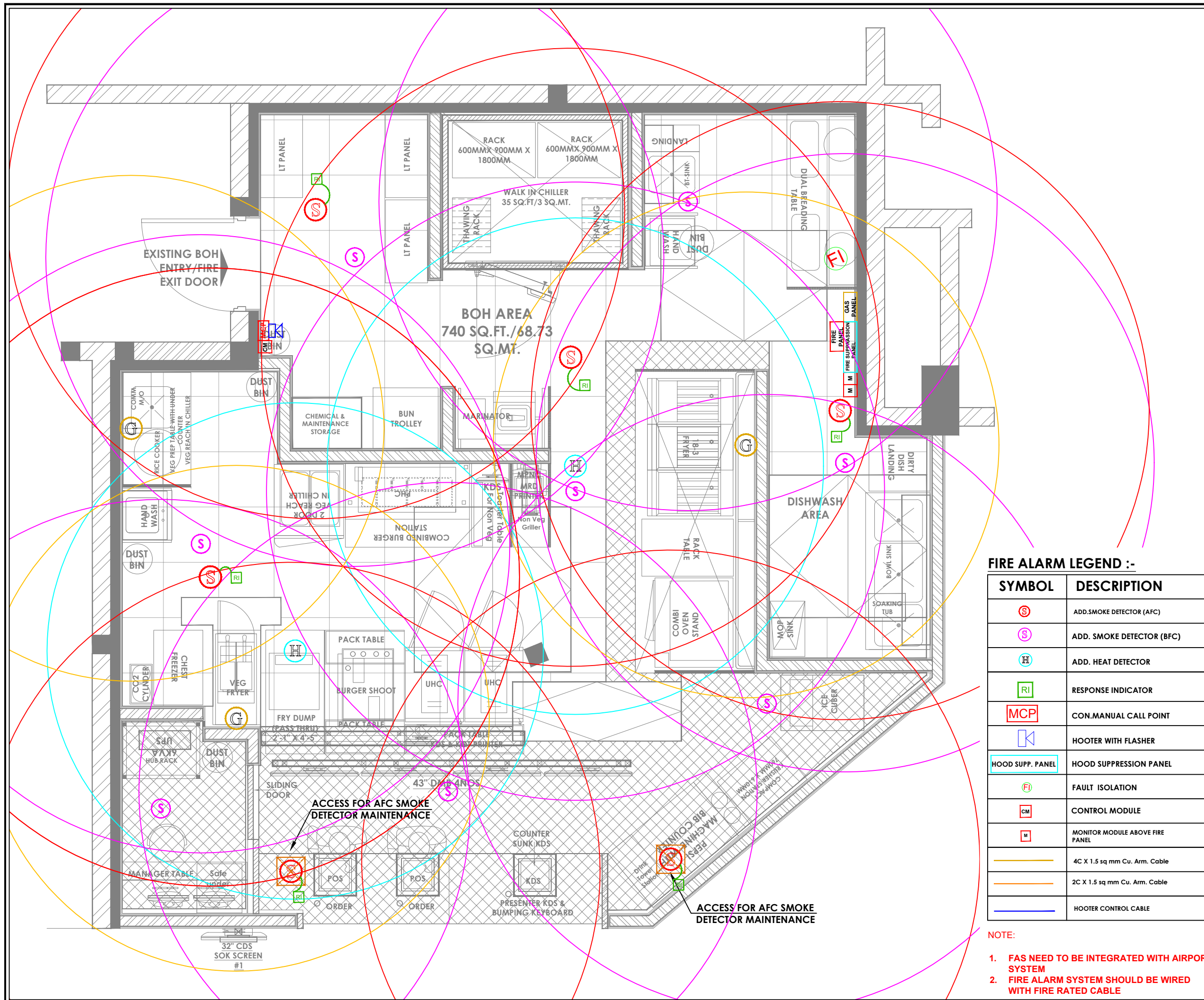
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PROJECT : KFC- INTERNATIONAL AIRPROT @ NOIDA

CLIENT : TRAVEL FOOD SERVICES



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DRAWING NO :
KFC-NIA-FASC-08 **R0**

DRAWING TITLE :
FAS COVERAGE LAYOUT

LOCATION :
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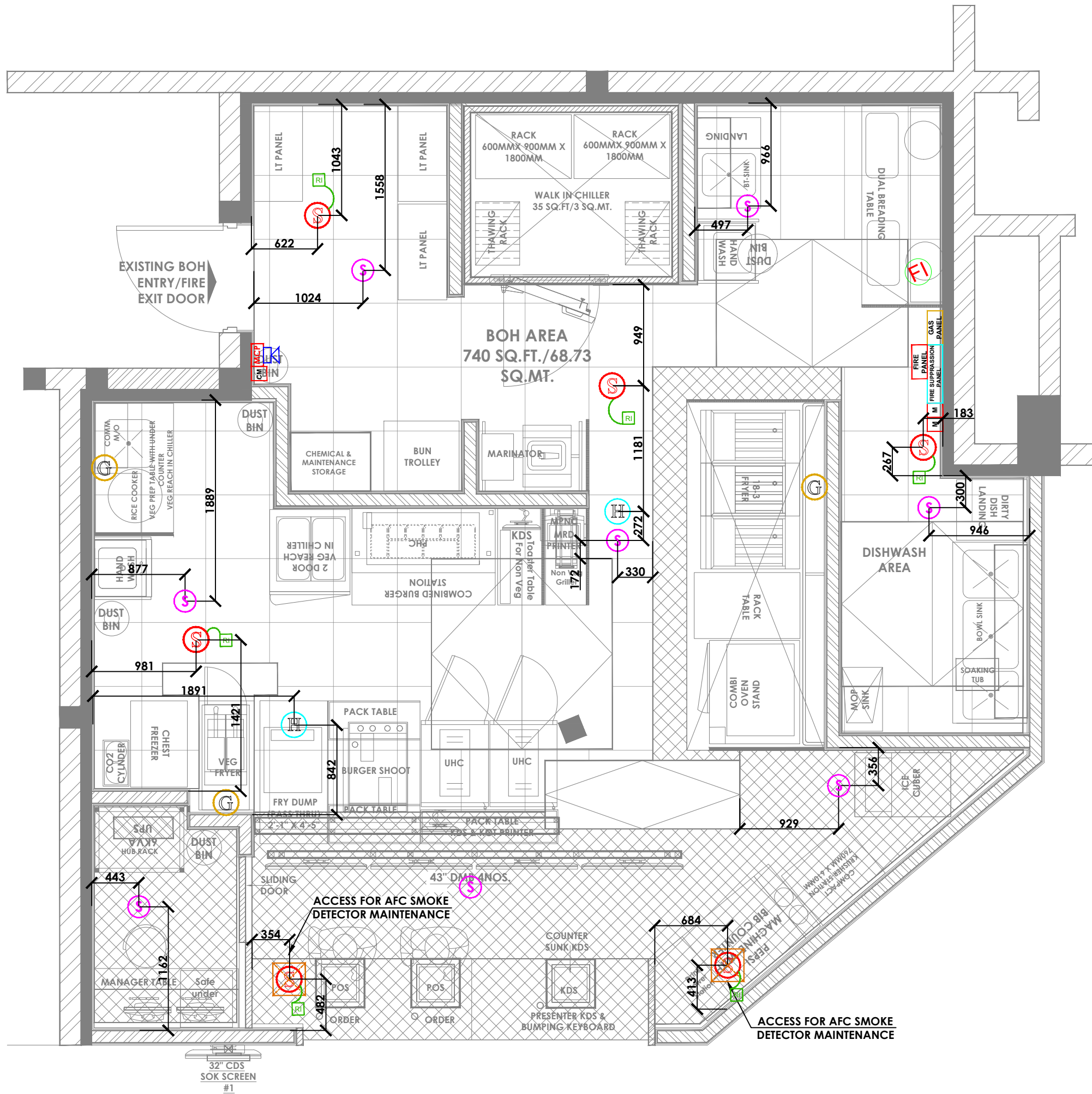


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Near Amarnath Patil Ground, Govandi-(E)
Mumbai 400 088
TEL: +91 22 6740 7640.
Email:MEP@whitewaterdesign.in

FIRE ALARM LEGEND :-

SYMBOL	DESCRIPTION
	ADD.SMOKE DETECTOR (AFC)
	ADD. SMOKE DETECTOR (BFC)
	ADD. HEAT DETECTOR
	RESPONSE INDICATOR
	CON.MANUAL CALL POINT
	HOOTER WITH FLASHER
	HOOD SUPPRESSION PANEL
	FAULT ISOLATION
	CONTROL MODULE
	MONITOR MODULE ABOVE FIRE PANEL
	4C X 1.5 sq mm Cu. Arm. Cable
	2C X 1.5 sq mm Cu. Arm. Cable
	HOOTER CONTROL CABLE

- NOTE:**
1. FAS NEED TO BE INTEGRATED WITH AIRPORT SYSTEM
 2. FIRE ALARM SYSTEM SHOULD BE WIRED WITH FIRE RATED CABLE



- NOTES :**
- FIGURED DIMENSIONS ARE TO BE USED IN PREFERENCE TO SCALED SIZES. ALL DIMENSIONS MUST BE CHECKED BEFORE COMMENCING WORK ON SITE.
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 - ALL PROPOSED WORKS TO BE CARRIED OUT IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS AND SCHEDULES MENTIONED FOR INTERIOR WORKS.
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 - SPRINKLER INSTALLATION
 - AUTOMATIC FIRE DETECTION SYSTEMS
 - AIR CONDITIONING SYSTEM & DISTRIBUTION (HVAC)
 - EMERGENCY LIGHTING
 - PRIMARY WIRING DESIGN & DISTRIBUTION
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KEY PLAN :

AMMENDMENTS :

S.NO.	REV.DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-FASD-09 **R0**

DRAWING TITLE :
FAS DIMENSIONS LAYOUT

LOCATION :
NOIDA

DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
KFC- INTERNATIONAL AIRPROT @ NOIDA

CLIENT :
TRAVEL FOOD SERVICES



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FIRE ALARM LEGEND :-

SYMBOL	DESCRIPTION
(S)	ADD.SMOKE DETECTOR (AFC)
(S)	ADD. SMOKE DETECTOR (BFC)
(H)	ADD. HEAT DETECTOR
(RI)	RESPONSE INDICATOR
(MCP)	CON.MANUAL CALL POINT
(K)	HOOTER WITH FLASHER
(HOOD SUPP. PANEL)	HOOD SUPPRESSION PANEL
(FI)	FAULT ISOLATION
(CM)	CONTROL MODULE
(M)	MONITOR MODULE ABOVE FIRE PANEL
(Yellow line)	4C X 1.5 sq mm Cu. Arm. Cable
(Orange line)	2C X 1.5 sq mm Cu. Arm. Cable
(Blue line)	HOOTER CONTROL CABLE

- NOTE:-**
- FAS NEED TO BE INTEGRATED WITH AIRPORT SYSTEM**
 - FIRE ALARM SYSTEM SHOULD BE WIRED WITH FIRE RATED CABLE**

SINGLE LINE DIAGRAM LEGEND

	D. G. SET
	LOAD MANAGER
	INDICATING LAMPS
	AUTOMATIC POWER FACTOR CORRECTION PANEL
	UN-INTERRUPTED POWER SUPPLY
	EARTH LEAKAGE RELAY
	MANUAL/AUTO CHANGE OVER SWITCH
	EARTHING
	CAPACITOR
	STABILIZER
	TP MCCB TRIPPLE POLE MOULDED CASE CIRCUIT BREAKER
	FP MCCB FOUR POLE MOULDED CASE CIRCUIT BREAKER
	TP&N MCCB TRIPPLE POLE MOULDED CASE CIRCUIT BREAKER
	SP MCB SINGLE POLE MINIATURE CIRCUIT BREAKER
	DP MCB DOUBLE POLE MINIATURE CIRCUIT BREAKER
	TP MCB TRIPPLE POLE MINIATURE CIRCUIT BREAKER
	TPN & FP MCB FOUR POLE MINIATURE CIRCUIT BREAKER
	DP ELCB DOUBLE POLE EARTH LEAKAGE CIRCUIT BREAKER
	FP ELCB FOUR POLE EARTH LEAKAGE CIRCUIT BREAKER
	DP RCCB DOUBLE POLE RESIDUAL CURRENT CIRCUIT BREAKER
	FP RCCB FOUR POLE RESIDUAL CURRENT CIRCUIT BREAKER
	DP ELMCB / RCBO DOUBLE POLE RESIDUAL CURRENT CIRCUIT BREAKER OVER
	FP ELMCB / RCBO FOUR POLE RESIDUAL CURRENT CIRCUIT BREAKER OVER
	POWER CONTACTOR
	STARTER FOR MOTOR

NOTES :

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ii. AUTOMATIC FIRE DETECTION SYSTEMS
iii. AIR CONDITIONING SYSTEM & DISTRIBUTION (HVAC)
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KEY PLAN :

AMMENDMENTS :

S.NO.	REV. DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-MLTP-10 **R0**

DRAWING TITLE :
MAIN LT PANEL SINGLE LINE DIAGRAM LAYOUT

LOCATION :
NOIDA

DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
KFC- INTERNATIONAL AIRPROT @ NOIDA

CLIENT :
TRAVEL FOOD SERVICES



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FROM AIRPORT PANEL OR METER

3.5C x 16 sq. mm. AL. AR. XLPE Cable (NIA scope)

MAIN LT PANEL #1

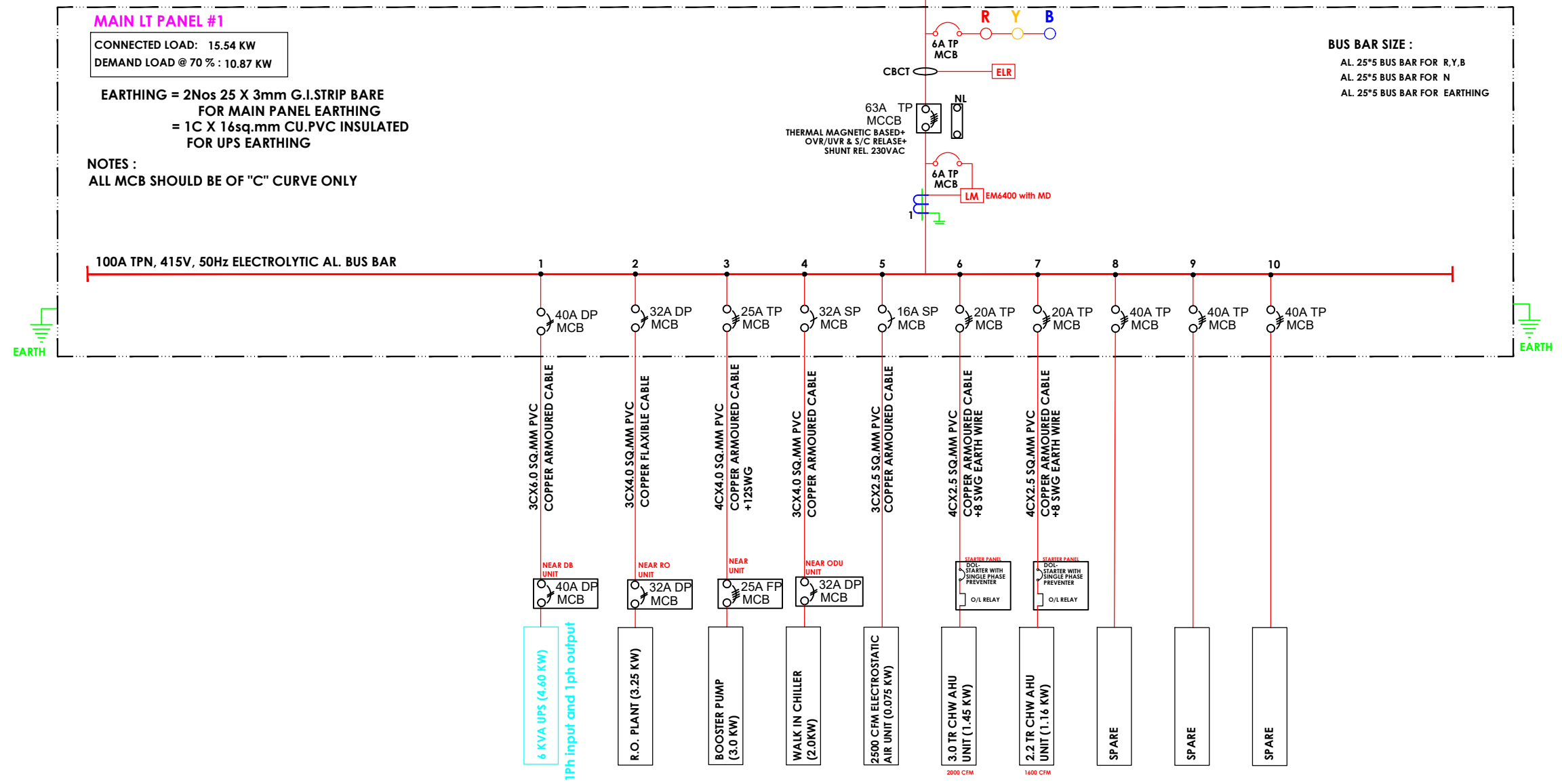
CONNECTED LOAD: 15.54 KW
DEMAND LOAD @ 70 % : 10.87 KW

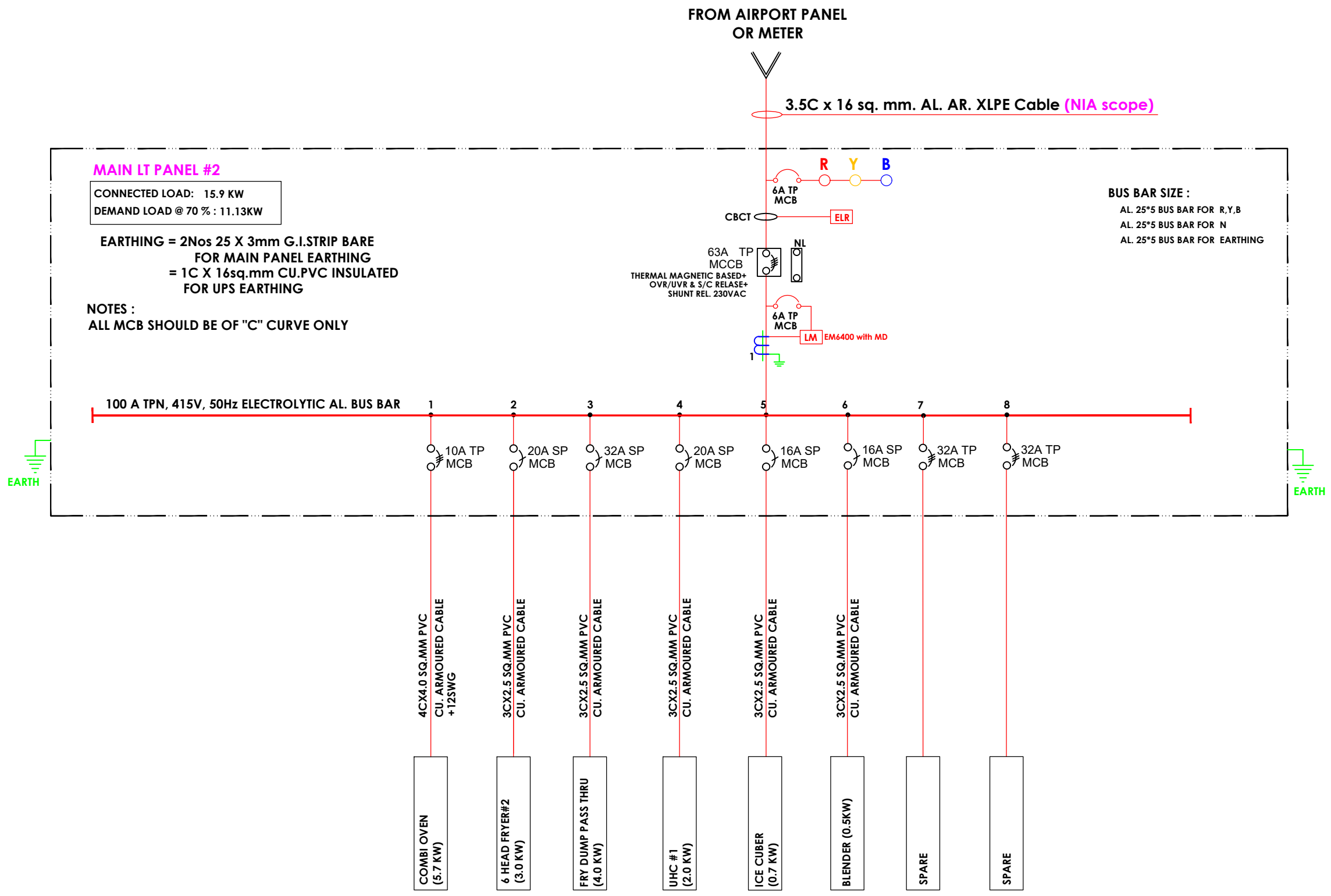
EARTHING = 2Nos 25 X 3mm G.I. STRIP BARE FOR MAIN PANEL EARTHING
= 1C X 16sq.mm CU.PVC INSULATED FOR UPS EARTHING

NOTES :
ALL MCB SHOULD BE OF "C" CURVE ONLY

BUS BAR SIZE :
AL. 25*5 BUS BAR FOR R,Y,B
AL. 25*5 BUS BAR FOR N
AL. 25*5 BUS BAR FOR EARTHING

100A TPN, 415V, 50Hz ELECTROLYTIC AL. BUS BAR





MAIN LT PANEL #2
 CONNECTED LOAD: 15.9 KW
 DEMAND LOAD @ 70 % : 11.13KW

EARTHING = 2Nos 25 X 3mm G.I. STRIP BARE
 FOR MAIN PANEL EARTHING
 = 1C X 16sq.mm CU.PVC INSULATED
 FOR UPS EARTHING

NOTES :
 ALL MCB SHOULD BE OF "C" CURVE ONLY

BUS BAR SIZE :
 AL. 25*5 BUS BAR FOR R,Y,B
 AL. 25*5 BUS BAR FOR N
 AL. 25*5 BUS BAR FOR EARTHING

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KEY PLAN :

AMMENDMENTS :

S.NO.	REV.DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
 KFC-NIA-MLTP(2)-11 R0

DRAWING TITLE :
 MAIN LT PANEL SINGLE LINE DIAGRAM LAYOUT

LOCATION :
 NOIDA

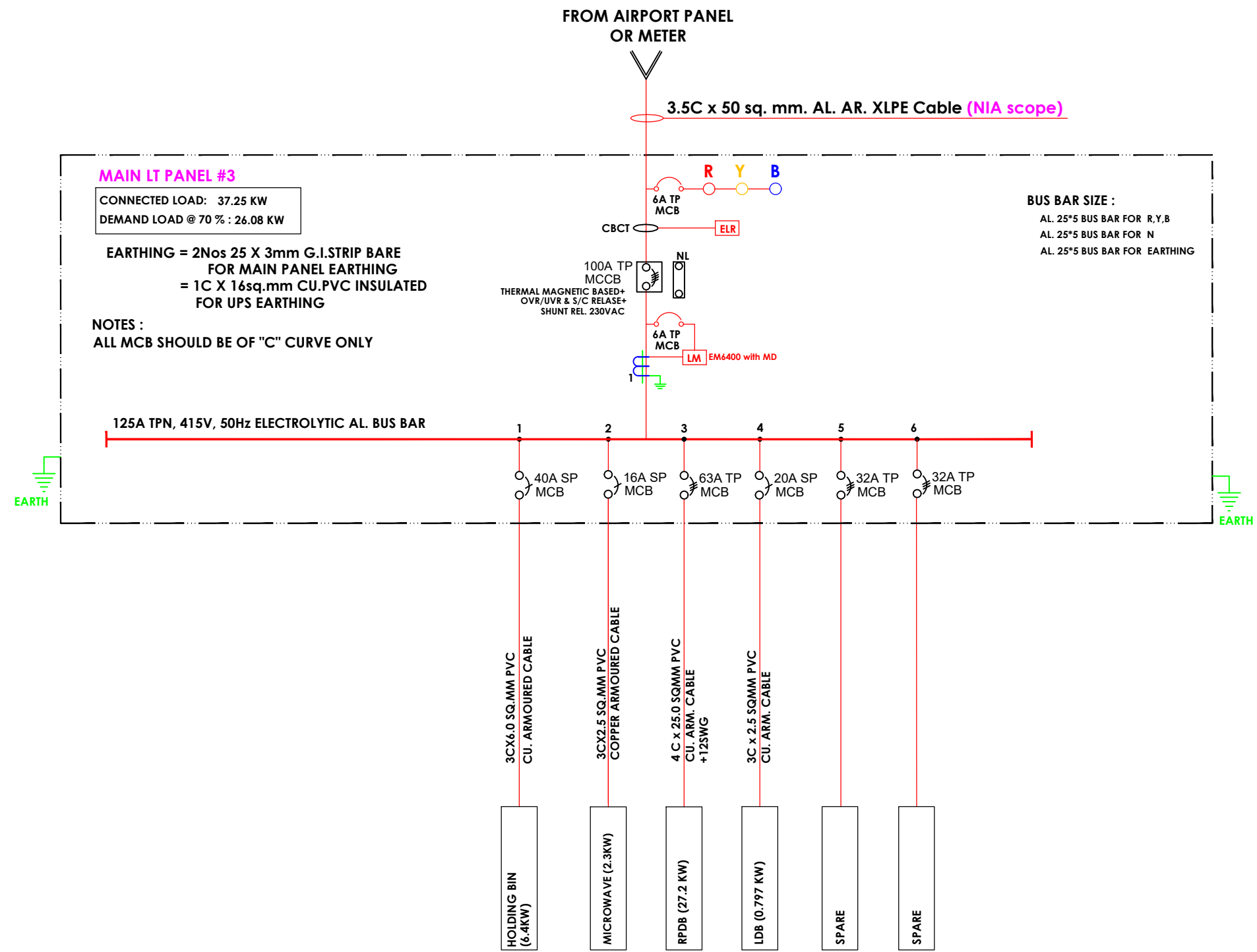
DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
 KFC- INTERNATIONAL AIRPROT @ NOIDA

CLIENT :
 TRAVEL FOOD SERVICES

WHITEWATER DESIGN STUDIO

WWD
 HEAD OFFICE:-
 Anchorage, off Govandi Station Rd
 Near Amarnath Patil Ground, Govandi-(E)
 Mumbai 400 088
 TEL: +91 22 6740 7640.
 Email:MEP@whitewaterdesign.in



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AMMENDMENTS :

S.NO.	REV.DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-MLTP(3)-12 **R0**

DRAWING TITLE :
MAIN LT PANEL SINGLE LINE DIAGRAM LAYOUT

LOCATION :
NOIDA

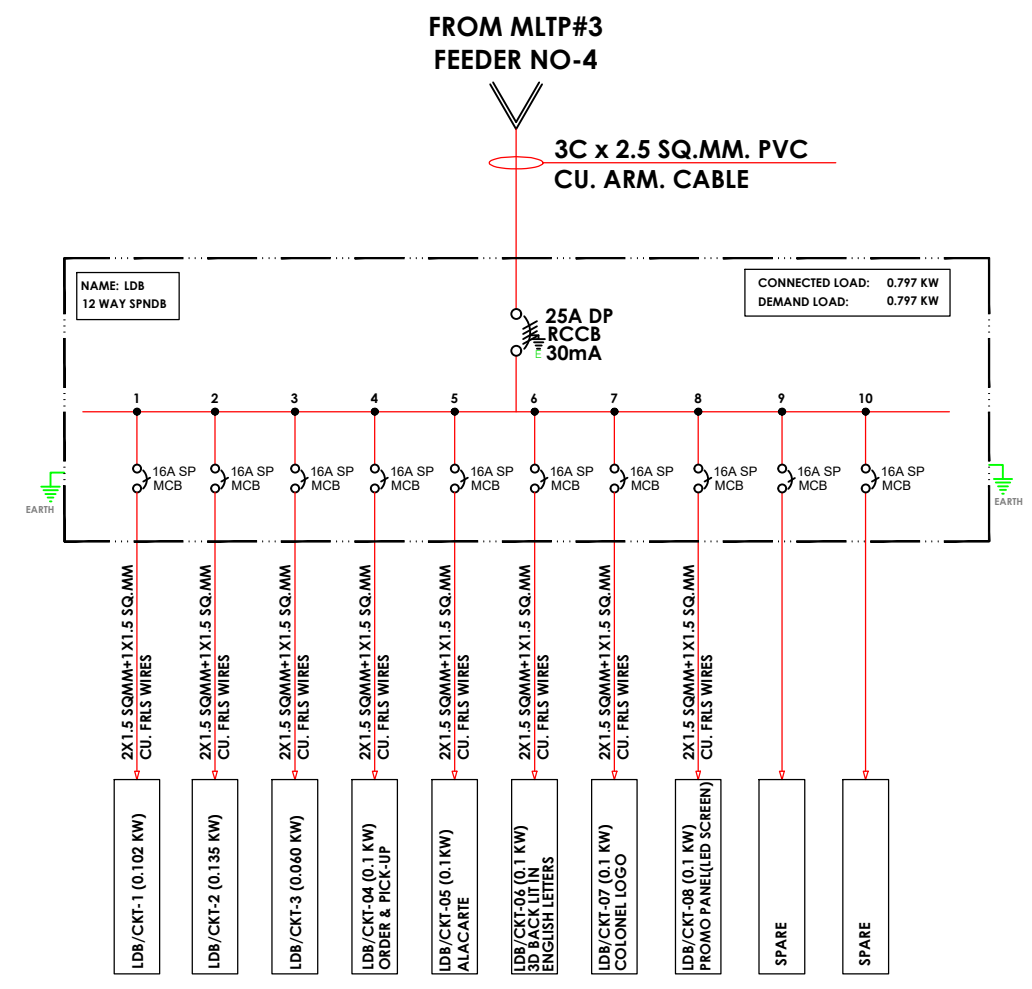
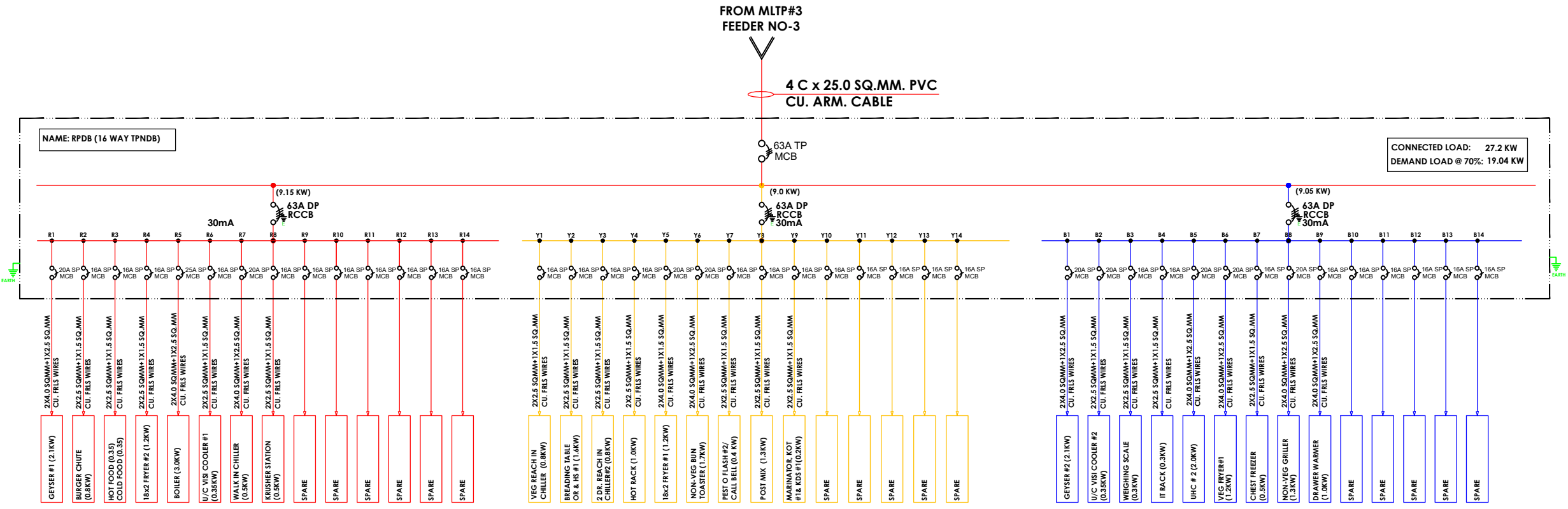
DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
KFC- INTERNATIONAL AIRPROT @ NOIDA

CLIENT :
TRAVEL FOOD SERVICES



HEAD OFFICE:-
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AMMENDMENTS :

S.NO.	REV.DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-EX.DB-13

R0

DRAWING TITLE :
EXTRA DB SINGLE LINE DIAGRAM LAYOUT

LOCATION :
NOIDA

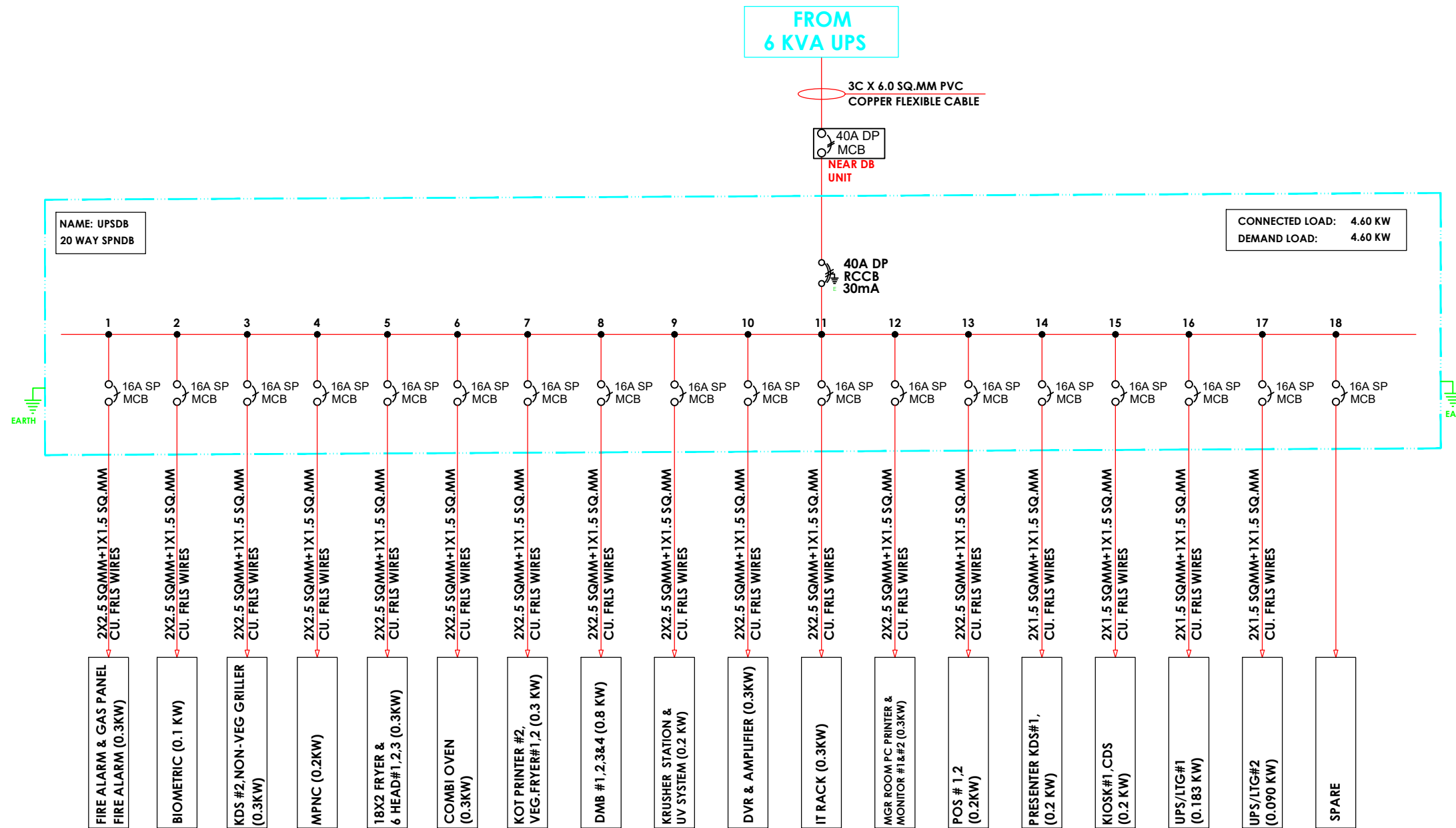
DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT :
KFC- INTERNATIONAL AIRPROT @ NOIDA

CLIENT :
TRAVEL FOOD SERVICES



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KEY PLAN :

AMMENDMENTS :

S.NO.	REV.DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO :
KFC-NIA-UPSDB-14

R0

DRAWING TITLE :
UPSDB SINGLE LINE
DIAGRAM LAYOUT

LOCATION :
NOIDA

DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

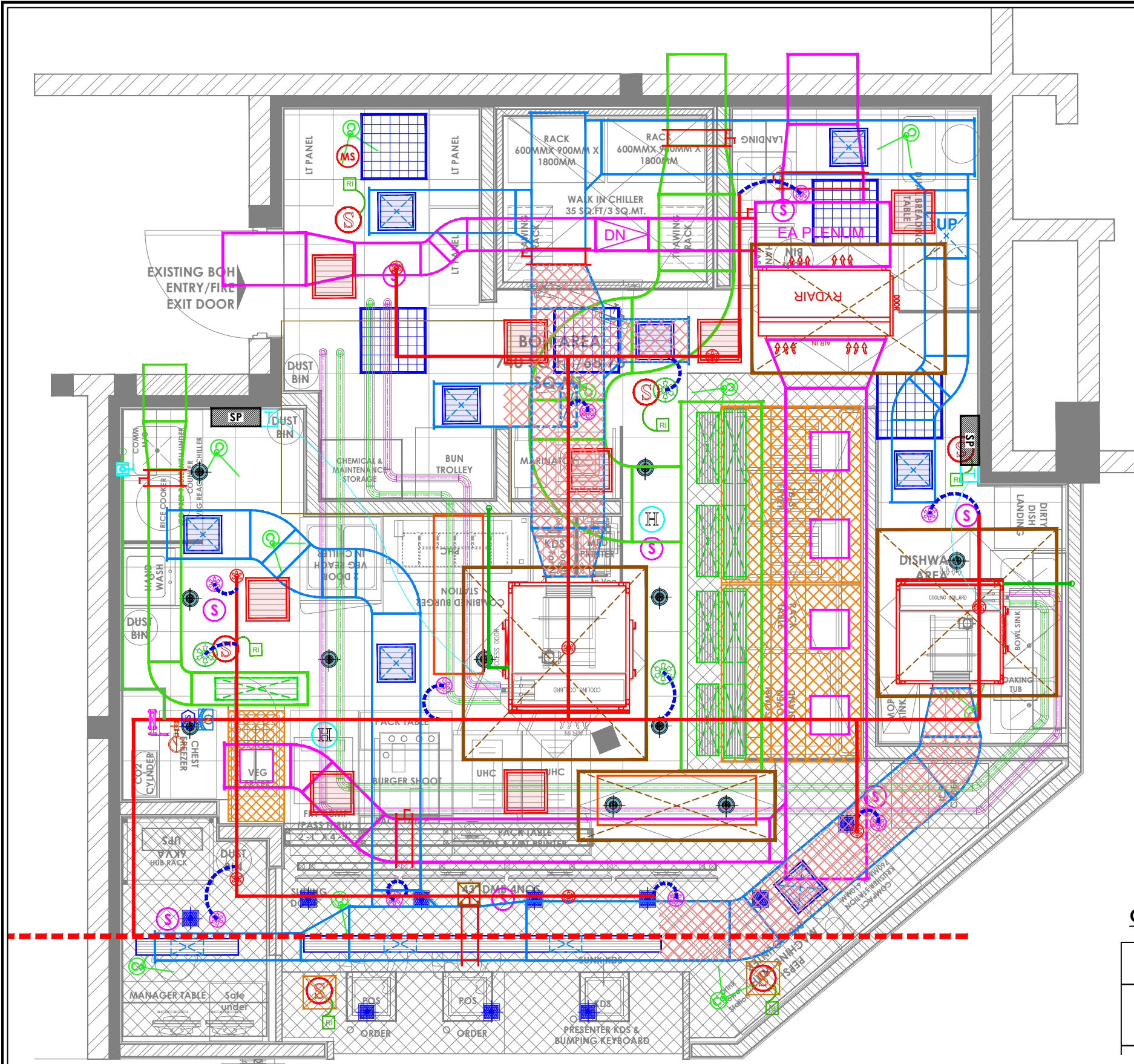
PROJECT :
KFC- INTERNATIONAL AIRPROT
@ NOIDA

CLIENT :
TRAVEL FOOD SERVICES

WHITE WATER
DESIGN STUDIO

WW

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SYMBOL	DESCRIPTION	QTY
	MODULAR AUTOMATIC CA TYPE FIRE EXTINGUISHER 5KG	01

SPRINKLER LEGEND	
SYMBOL	DESCRIPTION
	SPRINKLER PIPE
	PENDANT SPRINKLER 79 DEGREE C
	UPRIGHT SPRINKLER 68 DEGREE C
	PENDANT SPRINKLER 68 DEGREE C
	25MM FLEXIBLE SPRINKLER DROP
	DRAIN VALVE

FIRE ALARM LEGEND :-	
SYMBOL	DESCRIPTION
	ADD.SMOKE DETECTOR (AFC)
	ADD. SMOKE DETECTOR (BFC)
	ADD. HEAT DETECTOR
	RESPONSE INDICATOR

CCTV LEGEND	
SYMBOL	DESCRIPTION
	CEILING MOUNTED DOME CAMERA

LIGHTING LEGEND			
NO.	DESCRIPTION	INDICATION	QTY.
01	15 W LED SQAURE DOWN LITE CONCEALED - 6000K WHITE FINISH (FOR MOH AREA, DRY STORE, MANAGER & CREW)		10
02	36W (2' X 2' LED 36W CONCEALED RECESSED MIRROR OPTIC LIGHT) WHITE COLOR - 6000K (WHITE LIGHT) (FOR BOH AREA)		05
03	AN-2007 15 W,6000K LED CIRCULAR CONCEALED FITTING IN WHITE FIXTURE (BOH AREA - WHITE LIGHT) FOR TRAP DOOR		14

HVAC LEGENDS :					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CHW AHU UNIT		KED - EXHAUST AIR DUCT WITH 13mm Thk. XLPE INSULATION FROM OUTSIDE		CONDENSATE DRAIN PIPE
	CHW AHU THERMOSTAT & STARTER PANEL		KMD - FRESH AIR DUCT WITH 13mm Thk. XLPE INSULATION FROM OUTSIDE		0" FRESH AIR LINEAR GRILLE
	CHW VALVE STATION		SUPPLY AIR DUCT WITH 13mm Thk. XLPE INSULATION		0" SUPPLY AIR LINEAR GRILLE
			SUPPLY AIR DUCT WITH 13mm Thk. ACOUSTIC INSULATION		0" SUPPLY AIR SQUARE GRILLE
					VOLUME CONTROL DAMPER
					AIR CURTAIN
					CHILLED WATER SUPPLY LINE
					CHILLED WATER RETURN LINE
					VOLUME CONTROL DAMPER

NOTES :

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KEY PLAN :

AMMENDMENTS :			
S.NO.	REV.DATE	DESCRIPTION	REV.
1.	05.11.2024	GOOD FOR CONSTRUCTION	R0

DRAWING NO : KFC-NIA-RCP-15 **R0**

DRAWING TITLE : RCP LAYOUT

LOCATION : NOIDA

DATE : 05.11.2024
SCALE : N.T.S
DRN. BY : RAHUL
CHKD. BY : HITESH

PROJECT : KFC- INTERNATIONAL AIRPORT @ NOIDA

CLIENT : TRAVEL FOOD SERVICES

WHITE WATER DESIGN STUDIO

WW

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