

# BUDWEISER BAR\_DELHI AIRPORT\_M&E DRAWINGS

ALL DIMENSIONS MUST BE CHECKED ON SITE  
INFORM THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

NOTES:  
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CONTENTS		
DWG NO.	DRAWING TITLE	PAGE NO.
M101	BUDWEISER BAR_DELHI AIRPORT_HVAC DUCTING LAYOUT	01
M102	BUDWEISER BAR_DELHI AIRPORT_HVAC DUCTING LAYOUT – ABOVE STRUCTURE SLAB	02
M103	BUDWEISER BAR_DELHI AIRPORT_HVAC DUCTING LAYOUT – ABOVE STRUCTURE SLAB SECTION VIEW	03
M104	BUDWEISER BAR_DELHI AIRPORT_HVAC DUCTING LAYOUT – SECTIONAL VIEW & LEGENDS	04
M201	BUDWEISER BAR_DELHI AIRPORT_HVAC PIPING LAYOUT	05
M202	BUDWEISER BAR_DELHI AIRPORT_CONDENSATE DRAIN PIPE – SECTION LAYOUT	06
E101	BUDWEISER BAR_DELHI AIRPORT_LOAD CALCULATION SHEET	07
E201	BUDWEISER BAR_DELHI AIRPORT_SLD LAYOUT	08
E301	BUDWEISER BAR_DELHI AIRPORT_POWER LAYOUT	09
E401	BUDWEISER BAR_DELHI AIRPORT_LIGHTING LAYOUT	10
E501	BUDWEISER BAR_DELHI AIRPORT_CCTV & DATA LAYOUT	11
E601	BUDWEISER BAR_DELHI AIRPORT_RACEWAY LAYOUT	12
P101	BUDWEISER BAR_DELHI AIRPORT_DRAINAGE LAYOUT	13
P102	BUDWEISER BAR_DELHI AIRPORT_DRAINAGE SCHEMATIC LAYOUT	14
P201	BUDWEISER BAR_DELHI AIRPORT_WATER SUPPLY LAYOUT	15
P202	BUDWEISER BAR_DELHI AIRPORT_WATER SUPPLY SCHEMATIC LAYOUT	16
F101	BUDWEISER BAR_DELHI AIRPORT_FIRE ALARM SYSTEM LAYOUT	17
F201	BUDWEISER BAR_DELHI AIRPORT_FIRE SPRINKLER LAYOUT	18
F301	BUDWEISER BAR_DELHI AIRPORT_FIRE EXTINGUISHER LAYOUT	19
X101	BUDWEISER BAR_DELHI AIRPORT_M&E COORDINATION LAYOUT	20
X102	BUDWEISER BAR_DELHI AIRPORT_M&E SERVICE COORDINATION LAYOUT	21

TOO	REV	DATE	DESCRIPTION	ISSUED FOR TENDER	ST	MB	DRN	CHK
		13.12.23						



PROJECT  
**BUDWEISER BAR  
T1 , IGI AIRPORT  
DELHI**

DRAWING TITLE  
**TITLE SHEET**

SCALE NTS DATE 13.12.23 DRAWN ST A3 SHEET

STATUS

**TENDER**

ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	0000	GEN	G101	T00

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ALL HVAC FINAL EQUIPMENTS  
SELECTION AND SIZING HAS TO BE  
DONE BY THE CONTRACTOR AS  
PER THE AIRPORT REQUIREMENTS.

800x500 KITCHEN EXHAUST DUCT RISES  
ABOVE TO THE DRY SCRUBBER ON THE  
PROPOSED STRUCTURAL SLAB.  
(FOR CONTINUATION REFER DRAWING M102)

AHU 1  
(BOE: + 3150)

KED  
(BOD: + 3000)

SAD  
(BOD: + 3200)

MUAD  
(BOD: + 3000)

700x500 MAKE UP AIR DUCT RISES ABOVE TO  
THE AIR WASHER UNIT ON THE PROPOSED  
STRUCTURAL SLAB.  
(FOR CONTINUATION REFER DRAWING M102)

AHU 2  
(BOE: + 3150)

SAD  
(BOD: + 3300)

RAD  
(BOD: + 3300)

SAD  
(BOD: + 3550)

HVAC SYSTEM LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	AIR HANDLING UNIT - AHU		SUPPLY AIR SQUARE DIFFUSER - SD		MAKE-UP AIR DUCT WITH 19MM NITRILE RUBBER INSULATION - MUAD
	KITCHEN EXHAUST FAN - KEF		RETURN AIR SQUARE DIFFUSER - RD		SUPPLY AIR DUCT WITH 19MM NITRILE RUBBER INSULATION - SAD
	ELECTROSTATIC PRECIPITATOR - ESP		SUPPLY AIR GRILLE - SAG		KITCHEN EXHAUST AIR DUCT WITH 80MM FIRE BOARD INSULATION - KED
	AIR WASHER UNIT - AWU		MAKE UP AIR GRILLE - MAG 1WAY & 2 WAY GRILLE		TREATED FRESH AIR DUCT 19MM NITRILE RUBBER INSULATION - TFAD
	KITCHEN EXHAUST HOOD - KEH		RETURN AIR GRILLE - RAG		EXISTING AIR DUCT
	VOLUME CONTROL DAMPER - VCD		LINEAR 3-SLOT SUPPLY DIFFUSER - LSD		RETURN AIR DUCT - RAD
	FIRE DAMPER - FD		LINEAR 3-SLOT RETURN DIFFUSER - LRD		ACOUSTIC INSULATION
			TRANSFER AIR GRILLE - TG		

TOO 13.12.23 ISSUED FOR TENDER MB RR  
REV DATE DESCRIPTION DRN CHK



PROJECT  
**BUDWEISER BAR  
T1, IGI AIRPORT  
DELHI**

DRAWING TITLE  
**HVAC DUCTING LAYOUT**

SCALE 1:75 DATE 13.12.23 DRAWN MB A3 SHEET

STATUS

**TENDER**

ORG PROJECT NO DRAWING TYPE NUMBER REV

**TFS 0000 HVAC M101T00**

KED  
(BOD: + 3000)

AHU 1  
(BOE: + 3150)

RAD  
(BOD: + 3300)

SAD  
(BOD: + 3400)

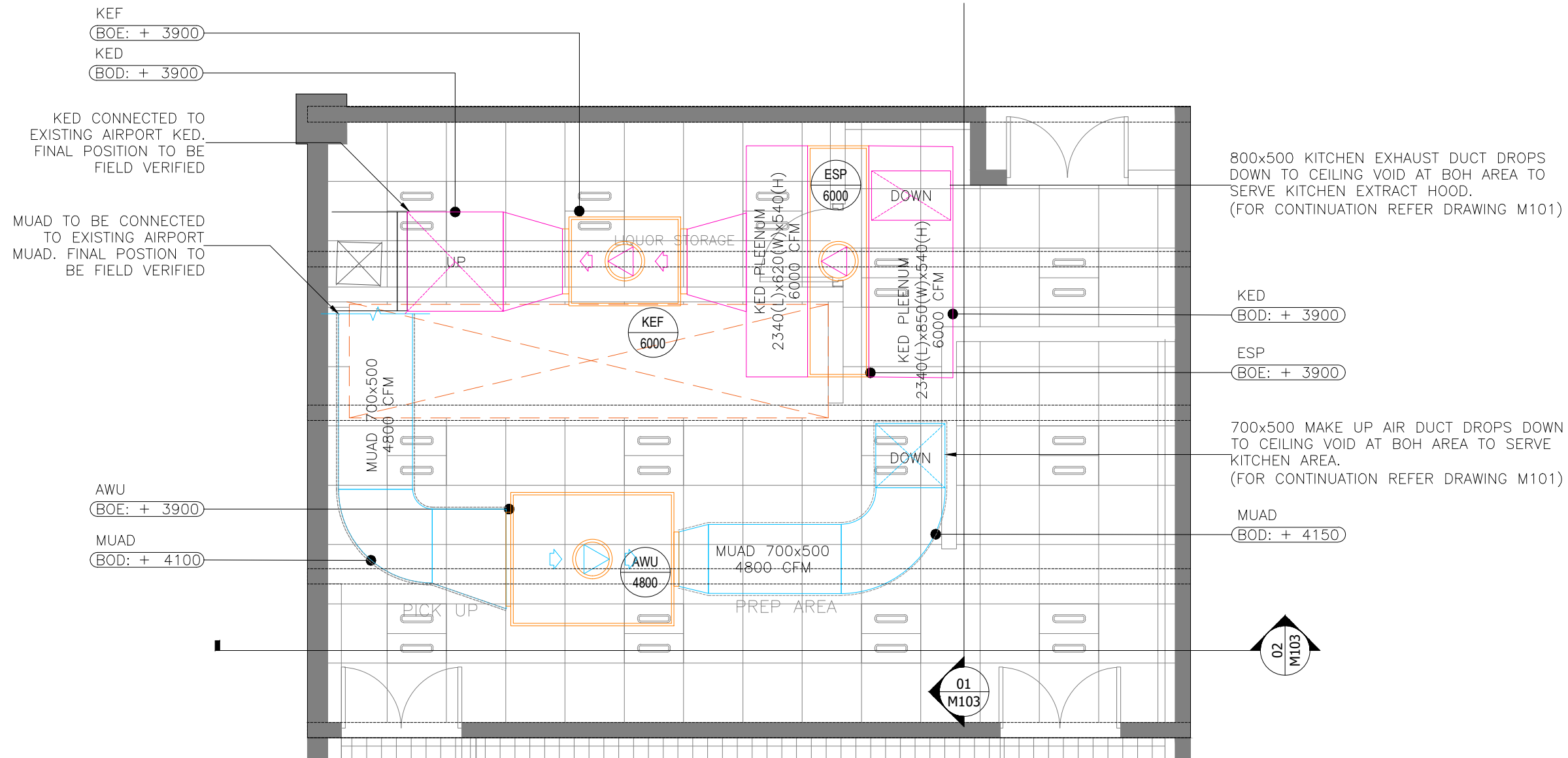
SAD  
(BOD: + 3570)

01  
M104

01 HVAC DUCTING LAYOUT  
M101 1:75

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01 M102 1:50 HVAC DUCTING LAYOUT - ABOVE STRUCTURAL SLAB

HVAC SYSTEM LEGEND					
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	AIR HANDLING UNIT - AHU		SUPPLY AIR SQUARE DIFFUSER - SD		MAKE-UP AIR DUCT WITH 19MM NITRILE RUBBER INSULATION - MUAD
	KITCHEN EXHAUST FAN - KEF		RETURN AIR SQUARE DIFFUSER - RD		SUPPLY AIR DUCT WITH 19MM NITRILE RUBBER INSULATION - SAD
	ELECTROSTATIC PRECIPITATOR - ESP		SUPPLY AIR GRILLE - SAG		KITCHEN EXHAUST AIR DUCT WITH 80MM FIRE BOARD INSULATION - KED
	AIR WASHER UNIT - AWU		MAKE UP AIR GRILLE - MAG 1WAY & 2 WAY GRILLE		TREATED FRESH AIR DUCT 19MM NITRILE RUBBER INSULATION - TFAD
	KITCHEN EXHAUST HOOD - KEH		RETURN AIR GRILLE - RAG		EXISTING AIR DUCT
	VOLUME CONTROL DAMPER - VCD		LINEAR 3-SLOT SUPPLY DIFFUSER - LSD		RETURN AIR DUCT - RAD
	FIRE DAMPER - FD		LINEAR 3-SLOT RETURN DIFFUSER - LRD		ACOUSTIC INSULATION
			TRANSFER AIR GRILLE - TG		

T00 13.12.23 ISSUED FOR TENDER MB RR  
REV DATE DESCRIPTION DRN CHK



PROJECT  
BUDWEISER BAR  
T1, IGI AIRPORT  
DELHI

DRAWING TITLE  
HVAC DUCTING LAYOUT  
ABOVE STRUCTURAL SLAB

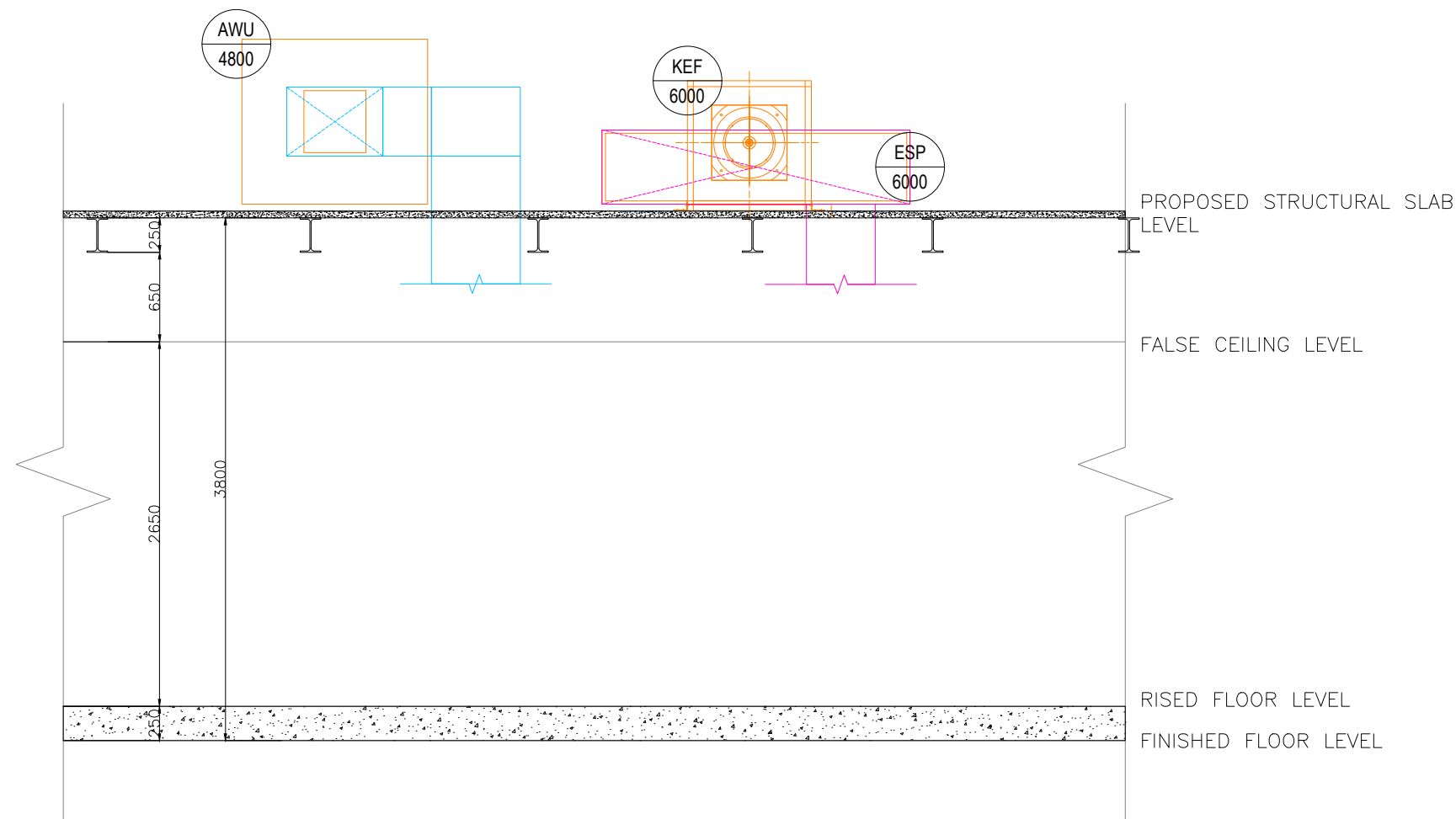
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STATUS  
TENDER

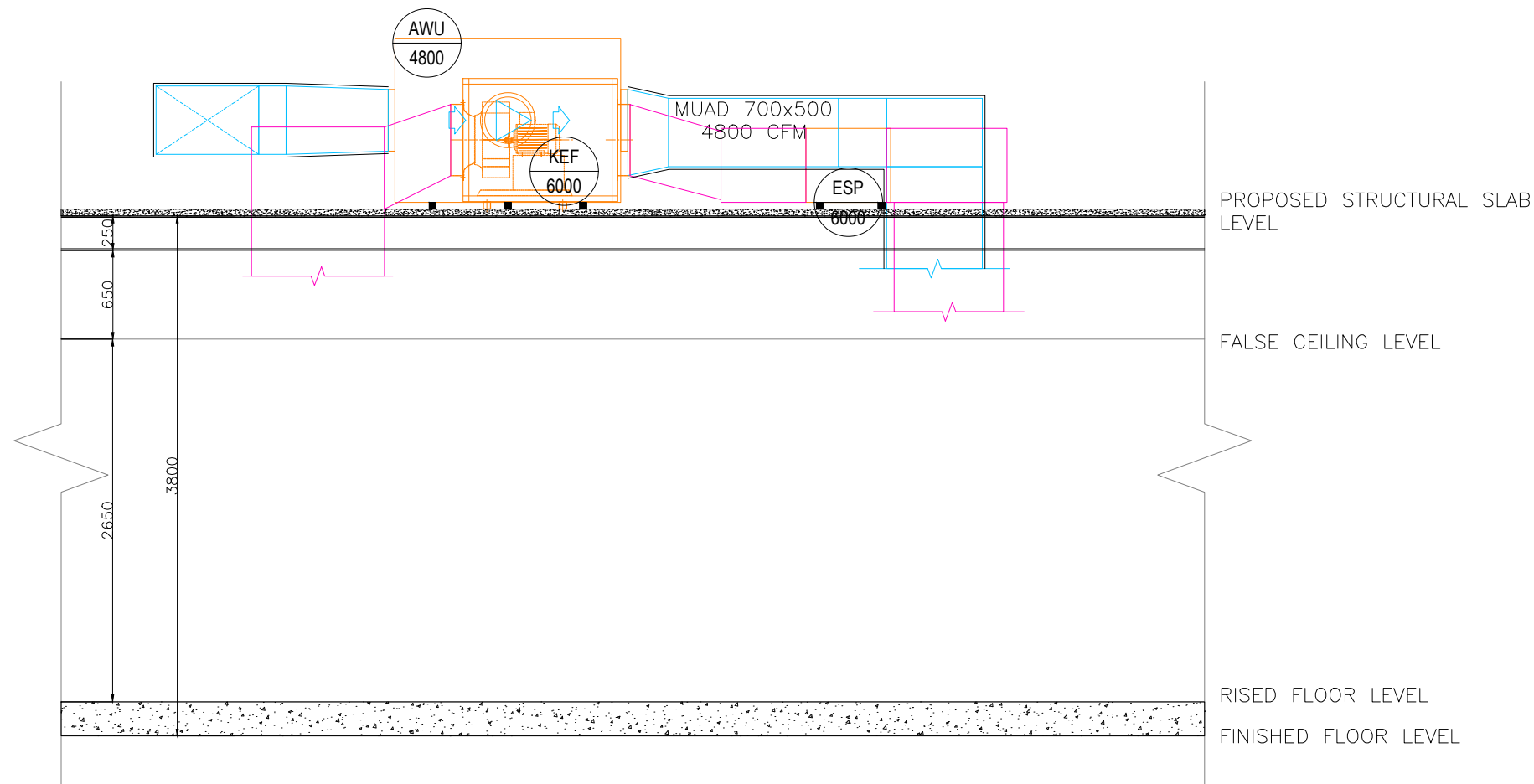
ORG PROJECT NO DRAWING TYPE NUMBER REV  
TFS 0000 HVAC M102T00

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01 HVAC EQUIPMENT ABOVE STRUCTURAL SLAB - SECTIONAL VIEW  
M103 NTS



02 HVAC EQUIPMENT ABOVE STRUCTURAL SLAB - SECTIONAL VIEW  
M103 NTS

TOO	13.12.23	ISSUED FOR TENDER	MB	RR
REV	DATE	DESCRIPTION	DRN	CHK



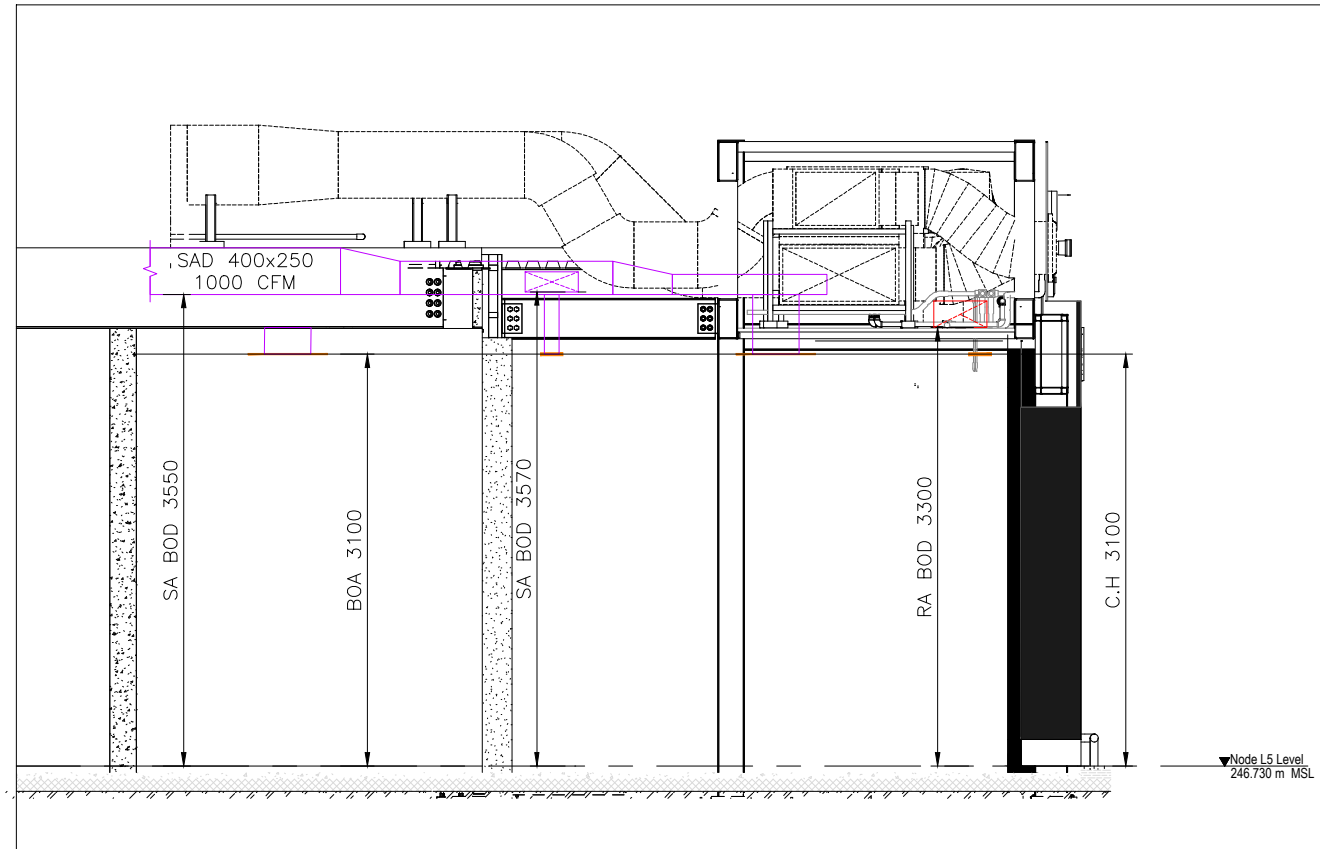
PROJECT  
BUDWEISER BAR  
T1 , IGI AIRPORT  
DELHI

DRAWING TITLE  
HVAC EQUIPMENT  
ABOVE STRUCTURAL SLAB  
SECTIONAL VIEW

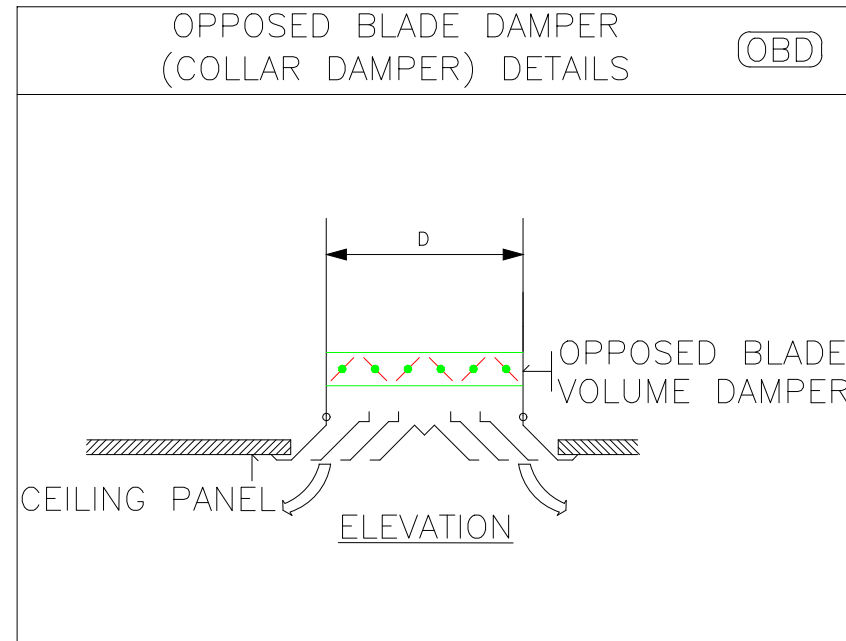
SCALE NTS DATE 13.12.23 DRAWN MB A3 SHEET

STATUS  
TENDER

ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	0000	HVAC	M103T00	



01 HVAC DUCTING LAYOUT - SECTIONAL VIEW  
M104 NTS



TOD : TOP OF DUCT.  
BOE : BOTTOM OF EQUIPMENT.  
BOA : BOTTOM OF AIR TERMINAL.  
CWS : COLD WATER SUPPLY.  
AHU : AIR HANDLING UNIT.  
AWU : AIR WASHER UNIT.  
C.H : CEILING HEIGHT.

AIR TERMINAL SCHEDULE – DIFFUSERS

TAG	SERVICE	NECK SIZE (mm)	FACE SIZE (mm)	PATTERN	MATERIAL	REMARKS
SD	SUPPLY	350x350	600x600	4 WAY	ALUMINIUM	SQUARE CEILING DIFFUSER
RD	RETURN	350x350	600x600	4 WAY	ALUMINIUM	SQUARE CEILING DIFFUSER
SAG	SUPPLY	500x500	--	2 WAY	ALUMINIUM	SQUARE CEILING GRILLE – 30° DEFLECTION
RAG 1	RETURN	500x500	--	2 WAY	ALUMINIUM	SQUARE CEILING GRILLE – 30° DEFLECTION
RAG 2	RETURN	300x300	--	2 WAY	ALUMINIUM	SQUARE CEILING GRILLE – 30° DEFLECTION
MAG 1	SUPPLY	500x500	--	1 WAY	ALUMINIUM	SQUARE CEILING GRILLE – 30° DEFLECTION
MAG 2	SUPPLY	500x500	--	2 WAY	ALUMINIUM	SQUARE CEILING GRILLE – 30° DEFLECTION
LSD	SUPPLY	1000mm L	--	1 WAY	ALUMINIUM	3-SLOT LINEAR SUPPLY DIFFUSER
LRD	RETURN	1000mm L	--	1 WAY	ALUMINIUM	3-SLOT LINEAR RETURN DIFFUSER
TG	SUPPLY	250x250	--	1 WAY	ALUMINIUM	SQUARE DOOR GRILLE – 30° DEFLECTION

NOTE:  
ALL AIR TERMINALS COLOUR & FINISH IS TO BE ADVISED BY ARCHITECT.

HVAC EQUIPMENT SCHEDULE – DIFFUSERS

TAG	EQP TYPE	COOLING CAPACITY (TR)	AIR FLOW (CFM)	WATER FLOW (GPM)
AHU 1	DUCTED HIGH ESP	5.0	2000	12.0
AHU 2	DUCTED HIGH ESP	5.0	2000	12.0
AHU 3	DUCTED MEDIUM ESP	3.0	1200	7.2
KEF	DUCTED EXHAUST FAN	--	6000	--
ESP	DRY SCRUBBER	--	6000	--
AWU	DUCTED AIR WASHER	--	4800	--

NOTE:  
AIRPORT TO PROVIDE CHILL WATER SUPPLY OF 31.2 GPM WITH 50MM PIPE SIZE TO LOCATION AS INDICATED IN THE DRAWING.  
(ASSUMED CHILL WATER SUPPLY TEMPERATURE 6°C, & CHILL WATER RETURN TEMPERATURE 12°C)



- NOTES:
- ALL DIMENSIONS, OTHERWISE INDICATED ARE IN MM.
  - THIS IS A SCHEMATIC/ CONCEPTUAL DRAWING ONLY TO ARTICULATE THE DESIGN INTENT. POST RECEIPT OF DETAILED SURVEY\*\*, THE DRAWINGS WILL BE AMENDED/ DETAILED FURTHER.
  - ALL AHU PIPELINES TO BE CONNECTED WITH AIRPORT SPECIFIED BTU METER.
  - ALL HVAC EQUIPMENTS IS TO BE INTEGRATED WITH AIRPORT FIRE ALARM SYSTEM. FOR MORE DETAILS PLEASE CHECK FIRE ALARM DRAWING.
  - RETURN AIR PATH FROM RETURN DIFFUSER/GRILLE TO AHU IS ABOVE THE CEILING VOID.
  - ALL AIR TERMINALS SHOULD BE CONNECTED TO THE SUPPLY/EXTRACT AIR DUCTS THROUGH AN OPPOSED BLADE DAMPER (OBD).
  - THE PRESSURE GAUGE SHOULD BE GLYCERINE-FILLED.
  - THE CONTRACTOR TO ENSURE THE INSTALLATION AND COMMISSIONING SHALL BE DONE AS PER DIAL'S APPROVED METHODOLOGY.
  - THE CONTRACTOR TO ENSURE DUCTING SHALL BE BY 655, GALVANISED IRON SHEET TO BE USED FOR ALL DUCTING WORKS. THERMAL INSULATION ON DUCTS SHALL BE 19 MM THICK. CLOSED CELL CLASS "0" BS 476 PART 6-7 FM APPROVED NITRILE RUBBER ELASTOMERIC INSULATION THERMAL CONDUCTIVITY 0.033 WATTS PER METER-KELVIN (W/(M K)) AT 0°C FOR AIR CONDITIONING DUCTING.
  - THE CONTRACTOR TO ENSURE 2. THERMAL INSULATION ON KITCHEN EXHAUST DUCTING SHALL BE 80 MM THICK ALUMINIUM FOIL-FACED RESIN-BONDED FIBRE GLASS WOOL OF DENSITY NOT LESS THAN 48 KG/M3.
  - THE CONTRACTOR TO ENSURE THERMAL INSULATION ON FRESH AIR, SUPPLY AIR AND RETURN AIR SHALL BE 19MM THICK CLOSED CELL ANTIMICROBIAL CLASS "0" BS 476 AND PART 6 & 7 FM APPROVED NITRILE RUBBER ELASTOMERIC INSULATION THERMAL CONDUCTIVITY 0.033 WATTS PER METER-KELVIN (W/ (M K)) AT 0°C.
  - THE CONTRACTOR IS TO ENSURE SUPPORTING DUCTING IS DONE USING AN ANGLE 50X 50 X 5MM AND TIE ROD OF SIZE MINIMUM 10 MM DIA/ AS PER DUCT SIZE.
  - ALL SERVICE ELEVATIONS MARKED IN THE DRAWINGS ARE FROM 0.00 LVL (FINISHED FLOOR LEVEL).
  - FINAL STRUCTURAL DESIGN AND CALCULATIONS TO BE FINALIZED BY STRUCTURAL DESIGN ENGINEER.

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T00 13.12.23 ISSUED FOR TENDER MB RR  
REV DATE DESCRIPTION DRN CHK



PROJECT  
**BUDWEISER BAR  
T1, IGI AIRPORT  
DELHI**

DRAWING TITLE  
**HVAC DUCTING LAYOUT  
SECTIONAL VIEW &  
LEGENDS**

SCALE NTS DATE 13.12.23 DRAWN MB A3 SHEET

STATUS  
**TENDER**

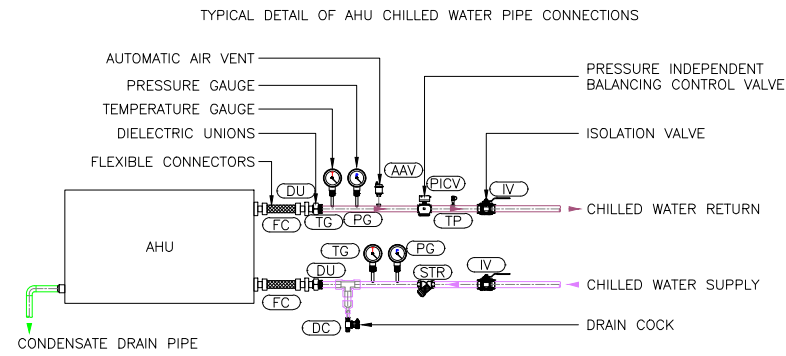
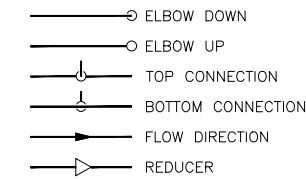
ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 HVAC M102T00**

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**DRAWING NOTES:**

- ALL DIMENSIONS, OTHERWISE INDICATED ARE IN MM.
- THIS IS A SCHEMATIC/ CONCEPTUAL DRAWING ONLY TO ARTICULATE THE DESIGN INTENT. POST RECEIPT OF DETAILED SURVEY\*\*, THE DRAWINGS WILL BE AMENDED/ DETAILED FURTHER.
- AHU PIPELINES TO BE CONNECTED WITH AIRPORT SPECIFIED BTU METER.
- COIL ADP TAKEN AS 58 DEG. F. BASIS FOR THE SAME NEEDS TO BE FACILITATED.
- ALL HVAC EQUIPMENT AND ACCESSORIES TECHNICAL DATA SHEET NEED GET APPROVED FROM DIAL PRIOR PROCUREMENT.
- FITTINGS (INSULATION, VALVES, DAMPERS, TEMPERATURE & PRESSURE GAUGE, PIDV ETC. TECHNICAL DATA SHEET NEEDS TO BE FACILITATED AND GET APPROVED BY DIAL ENGINEERING CONCERN TEAM PRIOR TO THE INSTALLATION.
- THE CONTRACTOR TO ENSURE CHILLED WATER PIPING SHALL BE CONFORMING TO IS:1239 PART I CLASS 'C' HEAVY AND FITTING SHALL BE CONFORMING TO ASTM A-105, 3000LBS SOCKET WELD END (UP TO 50MM) & 1S:1239 PART-II HEAVY/ASTM A-234 WPB, GR.B BUTT WELD FITTING ( ABOVE 50NB PIPE SIZE).
- THE CONTRACTOR TO ENSURE PIPING CONNECTION SHOULD BE SOCKET WELDED UP TO 50NB SIZE AND SHALL BE BUTT WELDED ABOVE 50NB PIPE SIZE. PIPE FLANGES SHOULD BE CONFIRMED TO ASTM A-105 # 150 SORF AND FLANGE DIMENSION SHOULD BE UNDER ASME/ANSI B 16.5 (150 SORF). FITTING TO FITTING WELDING IS NOT ALLOWED. NOZZLE CONNECTIONS/THREDOLETS/WELDOLETS ARE NOT ALLOWED BY PUNCTURING THE PIPE. ONLY EQUAL/UNEQUAL TEES SHALL BE USED FOR BRANCH CONNECTION FROM THE HEADER. SOCKET WELD END TEE SHOULD BE USED FOR BRANCH CONNECTION (UP-TO -50NB PIPE SIZE) W.R.T TO PRESSURE GAUGE/TEMPERATURE GAUGE/AIR VENT/DRAIN POINT ETC.
- POST-INSTALLATION CLEARANCE BY DIAL. CHW PIPING SHALL BE TESTED @15KG/CM2 HYDROSTATICS PRESSURE FOR 24HRS HOLD TIME AND TESTING SHOULD BE WITNESSED TO THE DIAL TEAM.THERMAL INSULATION ON CHW AND CONDENSATE DRAIN PIPING LINE SHALL BE 25MM THICK. CLOSED CELL ANTIMICROBIAL CLASS "O" BS 476 AND PART 6 & 7 FM APPROVED NITRILE RUBBER ELASTOMERIC INSULATION THERMAL CONDUCTIVITY 0.033 WATTS PER METER-KELVIN (W/ (M K)) AT 0°C.
- CONTRACTOR TO ENSURE CONDENSATE DRAIN PIPING SHALL BE COMPLYING WITH IS 4985 CLASS 3 UPVC PIPE. SOLVENT CEMENT COMPLYING WITH ASTM D2564 SHALL BE USED FOR JOINTS..
- FOR CEILING SUSPENDED CHILLED WATER PIPE: PIPE SHOULD BE HANGED WITH TIE ROD OF SIZE MINIMUM 10 MM DIA.
- ALL SERVICE ELEVATIONS MARKED IN THE DRAWINGS ARE FROM 0.00 LVL (FINISHED FLOOR LEVEL).
- FINAL STRUCTURAL DESIGN AND CALCULATIONS TO BE FINALIZED BY STRUCTURAL DESIGN ENGINEER.



FAN COIL UNIT PIPING LEGEND		DESCRIPTION
AAV		AUTOMATIC AIR VENT
DC		DRAIN COCK
DU		DIELECTRIC UNION
FC		FLEXIBLE CONNECTORS / FLEXIBLE METAL HOSE
IV		ISOLATION VALVE (BALL VALVE)
PICV		PRESSURE INDEPENDENT BALANCING CONTROL VALVE (PICV / PIBCV)
STR		Y TYPE STRAINER
PG		GLYCERENE FILLED PRESSURE GAUGE
TG		GLYCERENE FILLED TEMPERATURE GAUGE
		CHILLED WATER SUPPLY PIPE - INSULATED
		CHILLED WATER RETURN PIPE - INSULATED
		CONDENSATE DRAIN PIPE - INSULATED
		U-TRAP UT
		WATER SUPPLY PIPE

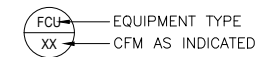
**NOTE:**

- IF REQUIRED, FLANGE CONNECTIONS TO BE PROVIDED BASED ON EQUIPMENT SELECTION.

TAG	EQP TYPE	COOLING CAPACITY (TR)	AIR FLOW (CFM)	WATER FLOW (GPM)
AHU 1	DUCTED HIGH ESP	5.0	2000	12.0
AHU 2	DUCTED HIGH ESP	5.0	2000	12.0
AHU 3	DUCTED MEDIUM ESP	3.0	1200	7.2

**NOTE:**

AIRPORT TO PROVIDE CHILL WATER SUPPLY OF 31.2 GPM WITH 50MM PIPE SIZE TO LOCATION AS INDICATED IN THE DRAWING .



TOO 13.12.23 ISSUED FOR TENDER MB RR  
REV DATE DESCRIPTION DRN CHK



PROJECT  
**BUDWEISER BAR**  
T1 , IGI AIRPORT  
DELHI

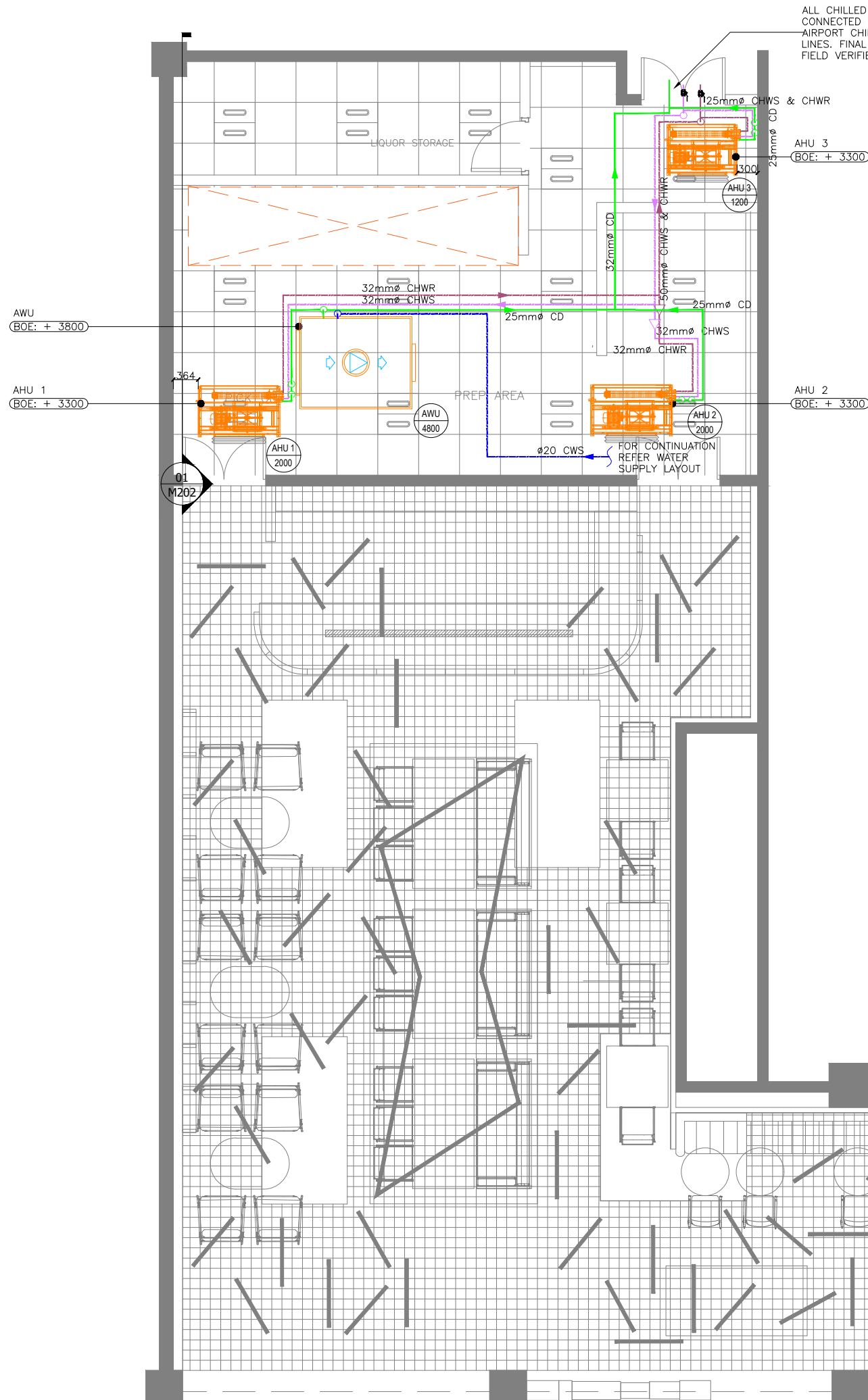
DRAWING TITLE  
**HVAC PIPING LAYOUT**

SCALE 1:75 DATE 13.12.23 DRAWN MB A3 SHEET

STATUS  
**TENDER**

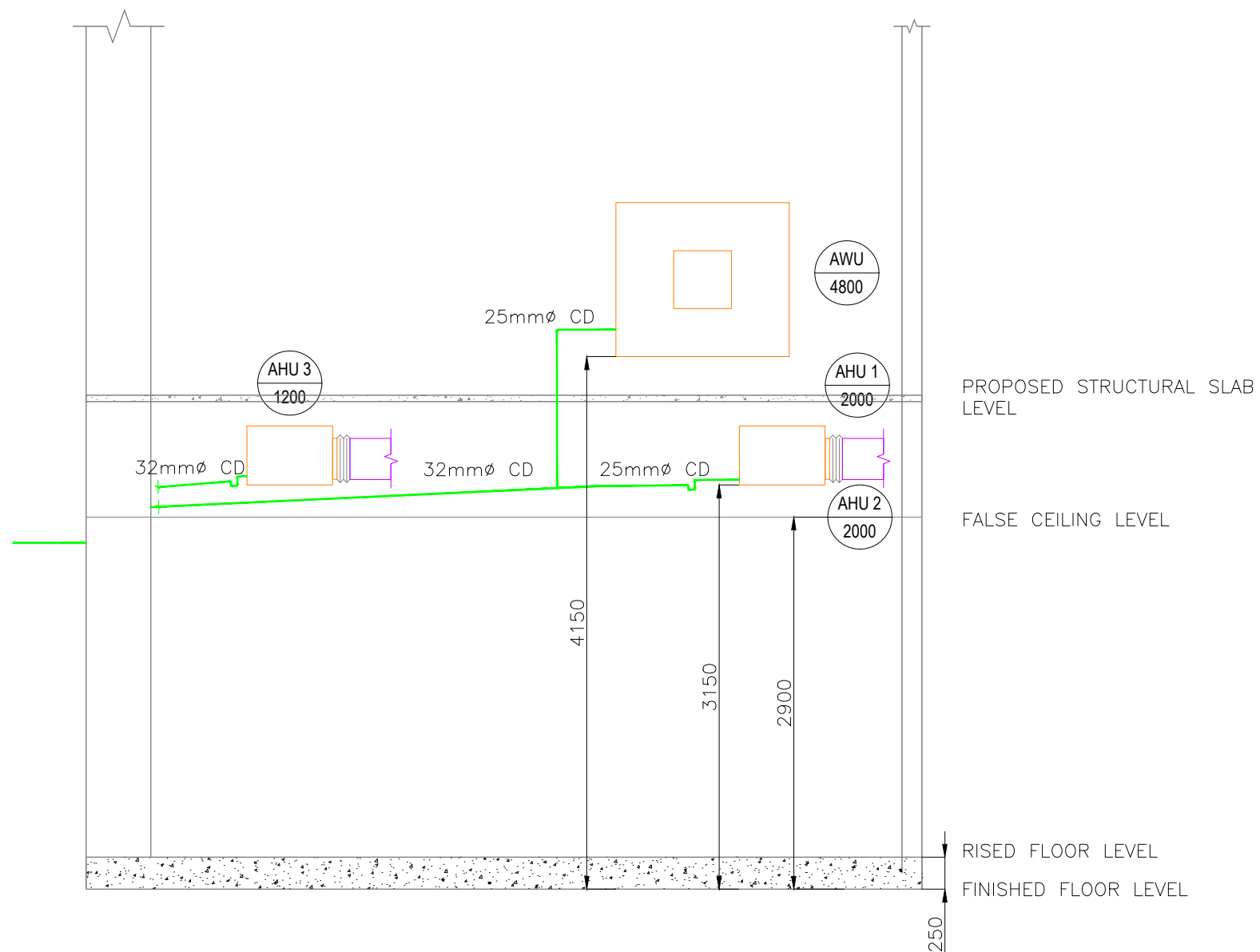
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**TFS 0000 HVAC M201T00**

ALL CHILLED WATER PIPES ARE CONNECTED TO THE EXISTING AIRPORT CHILLED WATER PIPE LINES. FINAL POSITION TO BE FIELD VERIFIED.



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01 CONDENSATE DRAIN - SECTION LAYOUT  
M201 1:75

REV	DATE	DESCRIPTION	MB	RR
T00	13.12.23	ISSUED FOR DESIGN REVIEW		
			DRN	CHK



PROJECT  
**BUDWEISER BAR**  
T1 , IGI AIRPORT  
DELHI

DRAWING TITLE  
**HVAC PIPING LAYOUT**

SCALE 1:75 DATE 13.12.23 DRAWN MB A3 SHEET

STATUS  
**TENDER**

ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	0000	HVAC	M201	T00

PROJECT / BUILDING NAME :		<b>BUDWEISER BAR @ DELHI AIRPORT</b>																			
FED FROM :		<b>AIRPORT DISTRIBUTION FEEDER</b>																			
DISTRIBUTION BOARD / REF :		<b>SMDB</b>										DB AREA REFERENCE :							<b>ELECTRICAL CLOSET @ KITCHEN</b>		
MAIN INCOMING CABLE :		<b>4C x 95 SQ.MM XLPE SWA PVC CU. CABLE + 1C x 50 SQ.MM ECC (FRLSH / LSZH)</b>										DOCUMENT NO. :									
MAIN INCOMER RATING (A)	CIRCUIT ID	BREAKER TYPE	BREAKER RATING (A)	WIRE SIZE (PH & N) (mm <sup>2</sup> )	WIRE SIZE (EARTH) (mm <sup>2</sup> )	EQUIP. TAG	CIRCUIT NAME / POINT REFERENCE	SOCKET RATING (A)	NUMBER OF POINTS	CONN. LOAD / POINT (W)	DIVERSITY TYPE	DIVERSITY FACTOR	R	Y	B	TOTAL CONN. LOAD (kW)	TOTAL DIVERSITY LOAD (kW)	REMARKS			
250A MCCB	RYB1	TP MCB	125A	35	16	-	LPDB	-	1	55606	PWR	0.7	18.90	18.15	18.56	55.61	39.24	-			
	RYB2	4P RCBO	63A	16	16	K-04 & K04A	4 BURNER COOKING RANGE WITH OVEN BELOW	63A	1	22000	PWR	0.5	7.33	7.33	7.33	22.00	11.00	3 PH INDUSTRIAL SOCKET			
	RYB3	4P RCBO	32A	6	6	K-02	FREE STANDING DOUBLE BASKET DEEP FAT FRYER	32A	1	10800	PWR	0.5	3.60	3.60	3.60	10.80	5.40	3 PH INDUSTRIAL SOCKET			
	RYB4	4P RCBO	32A	6	6	DW-03	DISH WASH MACHINE	32A	1	12000	PWR	0.5	4.00	4.00	4.00	12.00	6.00	3 PH INDUSTRIAL SOCKET			
	RYB5	4P RCBO	20A	-	-	-	SPARE	-	1	1000	PWR	0.5	0.33	0.33	0.33	1.00	0.50	-			
	RYB6	4P RCBO	20A	4	4	-	KITCHEN AIR WASHER UNIT	20A	1	4500	PWR	1	1.50	1.50	1.50	4.50	4.50	TP ISOLATOR			
	RYB7	4P RCBO	20A	4	4	-	KITCHEN EXTRACT FAN	20A	1	3000	PWR	1	1.00	1.00	1.00	3.00	3.00	TP ISOLATOR			
	R8	2P RCBO	16A	4	4	-	AIR HANDLING UNIT (AHU-1)	16A	1	1000	PWR	1	1.00	-	-	1.00	1.00	SP ISOLATOR			
	Y8	2P RCBO	16A	4	4	-	AIR HANDLING UNIT (AHU-2)	16A	1	1000	PWR	1	-	1.00	-	1.00	1.00	SP ISOLATOR			
B8	2P RCBO	16A	4	4	-	AIR HANDLING UNIT (AHU-3)	16A	1	1000	PWR	1	-	-	1.00	1.00	1.00	1.00	SP ISOLATOR			
												SMDB	37.67	36.92	37.32	111.91	72.64				
													TCL - R	TCL - Y	TCL - B	TCL	TDL				
ABBREVIATIONS : PWR - POWER, LTG - LIGHTING, UPS - UNINTERRUPTIBLE POWER SUPPLY, A - AMPS, W - WATTS, kW - KILOWATT, 1R - ONE RUN, 4C - FOUR CORE, 2C - TWO CORE, CU. - COPPER, ECC - EARTH CONTINUITY CONDUCTOR, CONN. - CONNECTED																					

ALL DIMENSIONS MUST BE CHECKED ON SITE.  
INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

NOTES:  
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DISTRIBUTION BOARD / REF :		<b>UPS DB (FED FROM LPDB)</b>										DB AREA REFERENCE :							<b>KITCHEN ENTRANCE AREA</b>		
MAIN INCOMING CABLE :		<b>2 x 1C x 4 SQ.MM + 1C x 2.5 SQ.MM ECC, FRLSH / LSZH WIRES</b>										DOCUMENT NO. :									
MAIN INCOMER RATING (A)	CIRCUIT ID	BREAKER TYPE	BREAKER RATING (A)	WIRE SIZE (PH & N) (mm <sup>2</sup> )	WIRE SIZE (EARTH) (mm <sup>2</sup> )	EQUIP. CODE	CIRCUIT NAME / POINT REFERENCE	SOCKET RATING (A)	NUMBER OF POINTS	CONN. LOAD / POINT (W)	DIVERSITY TYPE	DIVERSITY FACTOR	R	Y	B	TOTAL CONN. LOAD (kW)	TOTAL DIVERSITY LOAD (kW)	REMARKS			
20A 30mA RCBO	C1	MCB	10A	2.5	1.5	-	600 x 600 LED PANEL LIGHT + EXIT LIGHT (BOH)	-	10	248	LTG	1	-	-	0.25	0.25	0.25	-			
	C2	MCB	10A	2.5	1.5	-	CEILING SUSPENDENT LINEAR LIGHT + EXIT LIGHT (FOH)	-	17	316	LTG	1	-	-	0.32	0.32	0.32	-			
	C3	MCB	16A	2.5	1.5	-	POS COUNTER	13A	1	400	PWR	1	-	-	0.40	0.40	0.40	-			
	C4	MCB	16A	2.5	1.5	-	IDF RACK	13A	1	500	PWR	1	-	-	0.50	0.50	0.50	-			
	C5	MCB	16A	2.5	1.5	-	WIFI	13A	1	100	PWR	1	-	-	0.10	0.10	0.10	-			
	C6	-	-	-	-	-	SPACE	-	-	-	-	-	-	-	0.00	0.00	0.00	-			
												UPS DB	0.00	0.00	1.56	1.56	1.56				
													TCL - R	TCL - Y	TCL - B	TCL	TDL				
ABBREVIATIONS : PWR - POWER, LTG - LIGHTING, UPS - UNINTERRUPTIBLE POWER SUPPLY, A - AMPS, W - WATTS, kW - KILOWATT, 1R - ONE RUN, 4C - FOUR CORE, 2C - TWO CORE, CU. - COPPER, ECC - EARTH CONTINUITY CONDUCTOR, CONN. - CONNECTED																					

T00 13.12.23 ISSUED FOR TENDER AK VJ  
REV DATE DESCRIPTION DRN CHK



PROJECT  
**BUDWEISER BAR**  
**T1, IGI AIRPORT**  
**DELHI**

DRAWING TITLE  
**LOAD CALCULATION SHEET**  
**SHEET 1 OF 2**  
**SMDB & UPS DB**

SCALE: NTS DATE: 13.12.23 DRAWN: AK A3 SHEET

STATUS  
**TENDER**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 ELEC E101 T00**

TOTAL CONNECTED LOAD	111.91	SMDB	+	LPDB	+	UPS DB	TCL (kW)
TOTAL DEMAND LOAD	72.64	SMDB	+	LPDB	+	UPS DB	TDL (kW)
AVERAGE DIVERSITY FACTOR	65%	SMDB	+	LPDB	+	UPS DB	(%)



DISTRIBUTION BOARD / REF :		LPDB (FED FROM SMDB)					DB AREA REFERENCE : KITCHEN ENTRANCE AREA												
MAIN INCOMING CABLE :		4C x 35 SQ.MM XLPE SWA PVC CU. CABLE+ 1C x 16 SQ.MM ECC (FRLSH / LSZ)					DOCUMENT NO. :												
MAIN INCOMER RATING (A)	CIRCUIT ID	BREAKER TYPE	BREAKER RATING (A)	WIRE SIZE (PH & N) (mm <sup>2</sup> )	WIRE SIZE (EARTH) (mm <sup>2</sup> )	EQUIP. TAG	CIRCUIT NAME / POINT REFERENCE	SOCKET RATING (A)	NUMBER OF POINTS	CONN. LOAD / POINT (W)	DIVERSITY TYPE	DIVERSITY FACTOR	R	Y	B	TOTAL CONN. LOAD (kW)	TOTAL DIVERSITY LOAD (kW)	REMARKS	
20A 30mA RCBO	R1	MCB	10A	2.5	1.5	-	LIGHT BOX DISPLAY UNITS (BAR AREA) (FOH)	13A	6	200	LTG	1	1.20			1.20	1.20	-	
	Y1	MCB	10A	2.5	1.5	-	WALL LIGHT POINT + DIGITAL SCREEN (FOH)	13A	5	1100	LTG	1		1.10		1.10	1.10	-	
	B1	MCB	10A	2.5	1.5	-	HANGING LED DISPLAY (FOH)	13A	1	200	LTG	1			0.20	0.20	0.20	-	
	R2	MCB	10A	2.5	1.5	-	CEILING SUSPENDENT LINEAR LIGHT (FOH)	-	23	20	LTG	1	0.46			0.46	0.46	-	
	Y2	MCB	10A	2.5	1.5	-	DESIGNER HANGING LIGHT (FOH)	-	1	300	LTG	1		0.30		0.30	0.30	-	
	B2	MCB	10A	2.5	1.5	-	CEILING SUSPENDENT LINEAR LIGHT (FOH)	-	12	20	LTG	1			0.24	0.24	0.24	-	
	R3	MCB	10A	2.5	1.5	-	CEILING SUSPENDENT LINEAR LIGHT (FOH)	-	22	20	LTG	1	0.44			0.44	0.44	-	
	Y3	MCB	10A	2.5	1.5	-	WALL LIGHT POINT + EXTERNAL LOGO SIGNAGE (FOH)	13A	3	400	LTG	1		0.40		0.40	0.40	-	
	B3	MCB	10A	2.5	1.5	-	600 x 600 LED PANEL LIGHT (BOH)	-	7	36	LTG	1			0.25	0.25	0.25	-	
	R4	MCB	20A	4	2.5	-	GENERAL SOCKET (BOH)	13A	9	200	PWR	0.5	1.80			1.80	0.90	RADIAL CKT	
Y4	MCB	20A	4	2.5	-	GENERAL SOCKET (FOH)	13A	8	200	PWR	0.5		1.60		1.60	0.80	RING CKT		
B4	MCB	20A	4	2.5	K-15	INSECT KILLER (BOH)	13A	5	500	PWR	1			2.50	2.50	2.50	RADIAL CKT		
100A 30mA RCBO	R5	MCB	16A	4	2.5	K-13	2 DOOR VERTICAL DEEP FREEZER (BOH)	16A	1	1000	PWR	1	1.00			1.00	1.00	1PH INDUSTRIAL SOCKET	
	Y5	MCB	20A	4	2.5	K-07B	SALAMANDER (BOH)	20A	1	2800	PWR	0.5		2.80		2.80	1.40	1PH INDUSTRIAL SOCKET	
	B5	MCB	20A	4	2.5	K-07	2 DOOR U/C REFRIGERATOR WITH 2 OHS WITH BULB (BOH)	20A	1	1000	PWR	1			1.00	1.00	1.00	1PH INDUSTRIAL SOCKET	
	R6	MCB	16A	4	2.5	K-09	3 DOOR U/C REFRIGERATOR RAISED BAIN MARIE (BOH)	16A	1	1000	PWR	1	1.00			1.00	1.00	1PH INDUSTRIAL SOCKET	
	Y6	MCB	16A	4	2.5	K-09	3 DOOR U/C REFRIGERATOR RAISED BAIN MARIE (BOH)	16A	1	1000	PWR	1		1.00		1.00	1.00	1PH INDUSTRIAL SOCKET	
	B6	MCB	16A	4	2.5	K-11(1)	2 DOOR U/C REFRIGERATOR (BOH)	16A	1	1000	PWR	1			1.00	1.00	1.00	1PH INDUSTRIAL SOCKET	
	R7	MCB	16A	4	2.5	K-11(2)	2 DOOR U/C REFRIGERATOR (BOH)	16A	1	1000	PWR	1	1.00			1.00	1.00	1PH INDUSTRIAL SOCKET	
	Y7	MCB	20A	4	2.5	K-11A	PASTA SHEETER MACHINE (BOH)	20A	1	1000	PWR	0.5		1.00		1.00	0.50	1PH INDUSTRIAL SOCKET	
	B7	MCB	16A	4	2.5	K-07A	MICRO OVEN (BOH)	20A	1	1000	PWR	0.5			1.00	1.00	0.50	1PH INDUSTRIAL SOCKET	
	R8	MCB	16A	4	2.5	K-12	2 DOOR VERTICAL CHILLER (BOH)	16A	1	1000	PWR	1	1.00			1.00	1.00	1PH INDUSTRIAL SOCKET	
	Y8	MCB	16A	4	2.5	K-13	2 DOOR VERTICAL DEEP FREEZER (BOH)	16A	1	1000	PWR	1		1.00		1.00	1.00	1.00	1PH INDUSTRIAL SOCKET
	B8	MCB	16A	4	2.5	K-08	PICKUP COUNTER WITH 2 OHS WITH RR BULB (BOH)	13A	1	500	PWR	0.5			0.50	0.50	0.25	-	
	R9	MCB	16A	4	2.5	BA-04	2 DOOR U/C BOTTLE COOLER (BOH)	13A	1	500	PWR	1	0.50			0.50	0.50	-	
	Y9	MCB	16A	4	2.5	BA-04	2 DOOR U/C BOTTLE COOLER (BOH)	13A	1	500	PWR	1		0.50		0.50	0.50	-	
	B9	MCB	20A	4	2.5	BA-03A	U/C ICE CUBE MACHINE (BOH)	20A	1	500	PWR	1			0.50	0.50	0.50	-	
	R10	MCB	32A	6	4	K-01A	TABLE TOP MERRYCHEF OVEN (BOH)	32A	1	6000	PWR	0.5	6.00			6.00	3.00	1PH INDUSTRIAL SOCKET	
	Y10	MCB	32A	6	4	K-06A	TABLE TOP HOT PLATE (BOH)	32A	1	4400	PWR	0.5		4.40		4.40	2.20	1PH INDUSTRIAL SOCKET	
	B10	MCB	20A	6	4	BA-05A	U/C GLASS WASH MACHINE (BOH)	20A	1	6000	PWR	0.5			6.00	6.00	3.00	1PH INDUSTRIAL SOCKET	
	R11	MCB	20A	4	2.5	BA-04A	TABLE TOP COFFEE MACHINE WITH MILK BOILER (BOH)	20A	1	1300	PWR	0.8	1.30			1.30	1.04	1PH INDUSTRIAL SOCKET	
	Y11	MCB	20A	4	2.5	BA-03B	U/C BEER CHILLING MACHINE (BOH)	20A	1	1000	PWR	1		1.00		1.00	1.00	1PH INDUSTRIAL SOCKET	
	B11	MCB	20A	4	2.5	BA-06	FOUNTAIN MACHINE (BOH)	20A	1	1000	PWR	0.8			1.00	1.00	0.80	1PH INDUSTRIAL SOCKET	
	R12	MCB	20A	4	2.5	BA-05B	INDUCTION PLATE (BOH)	20A	1	2000	PWR	0.5	2.00			2.00	1.00	1PH INDUSTRIAL SOCKET	
	Y12	MCB	20A	4	2.5	BA-05C	BLENDER (BOH)	20A	1	1000	PWR	0.5		1.00		1.00	0.50	1PH INDUSTRIAL SOCKET	
	B12	MCB	20A	4	2.5	-	WATER HEATER (BOH)	-	1	1800	PWR	0.8			1.80	1.80	1.44	-	
	R13	MCB	16A	2.5	1.5	-	BTU METER + WATER METER (BOH)	13A	2	100	PWR	1	0.20			0.20	0.20	RADIAL CKT	
	Y13	MCB	16A	2.5	1.5	-	RO PLANT (BOH)	13A	3	350	PWR	1		1.05		1.05	1.05	RADIAL CKT	
	B13	MCB	20A	4	2.5	-	UPS (BOH)	-	1	1564	UPS	1			1.56	1.56	1.56	-	
	R14	MCB	25A	4	2.5	-	SPARE SOCKET	-	1	500	PWR	0.5	0.50			0.50	0.25	-	
	Y14	MCB	20A	4	2.5	-	SPARE SOCKET	-	1	500	PWR	0.5		0.50		0.50	0.25	-	
	B14	MCB	20A	4	2.5	-	SPARE SOCKET	-	1	500	PWR	0.5			0.50	0.50	0.25	-	
	R15	MCB	20A	4	2.5	-	SPARE SOCKET	-	1	500	PWR	0.5	0.50			0.50	0.25	-	
	Y15	MCB	20A	4	2.5	-	SPARE SOCKET	-	1	500	PWR	0.5		0.50		0.50	0.25	-	
B15	MCB	20A	4	2.5	-	SPARE SOCKET	-	1	500	PWR	0.5			0.50	0.50	0.25	-		
R16	MCB	-	-	-	-	SPACE	-	-	-	-	-		0.00		0.00	0.00	-		
Y16	MCB	-	-	-	-	SPACE	-	-	-	-	-		0.00		0.00	0.00	-		
B16	MCB	-	-	-	-	SPACE	-	-	-	-	-			0.00	0.00	0.00	-		
												LPDB	18.90	18.15	18.56	55.61	39.24		
													TCL - R	TCL - Y	TCL - B	TCL	TDL		

ABBREVIATIONS : PWR - POWER, LTG - LIGHTING, UPS - UNINTERRUPTIBLE POWER SUPPLY, A - AMPS, W - WATTS, KW - KILOWATT, 1R - ONE RUN, 4C - FOUR CORE, 2C - TWO CORE, CU. - COPPER, ECC - EARTH CONTINUITY CONDUCTOR, CONN. - CONNECTED

ALL DIMENSIONS MUST BE CHECKED ON SITE.  
INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

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TOO 13.12.23 ISSUED FOR TENDER AK VJ  
REV DATE DESCRIPTION DRN CHK



PROJECT  
BUDWEISER BAR  
T1, IGI AIRPORT  
DELHI

DRAWING TITLE  
LOAD CALCULATION SHEET  
SHEET 2 OF 2  
LPDB

SCALE NTS DATE 13.12.23 DRAWN AK A3 SHEET

STATUS  
TENDER

ORG PROJECT NO DRAWING TYPE NUMBER REV  
TFS 0000 ELEC E102 T00

SMDB	
CONN. LOAD (kW)	111.91
DEMAND LOAD (kW)	72.64

INCOMING SUPPLY  
FED FROM AIRPORT FEEDER

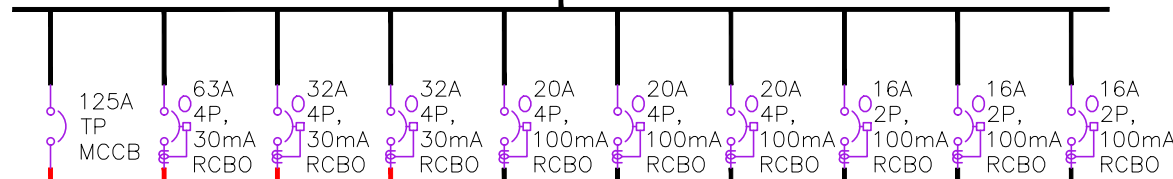
kWH (PREPAID METER)

250A

4C x 95 SQ.MM XLPE SWA PVC CU. CABLE  
+ 1C x 50 SQ.MM ECC

250A  
TP  
MCCB

A A A  
V SS



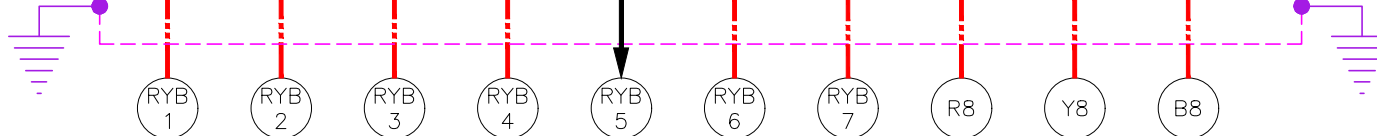
4C x 35 SQ.MM XLPE SWA PVC CU. CABLE  
+ 1C x 16 SQ.MM ECC

4C x 16 SQ.MM XLPE SWA PVC CU. CABLE  
+ 1C x 16 SQ.MM ECC

4C x 6 SQ.MM XLPE SWA PVC CU. CABLE  
+ 1C x 6 SQ.MM ECC

4C x 4 SQ.MM XLPE SWA PVC CU. CABLE  
+ 1C x 4 SQ.MM ECC

2C x 4 SQ.MM XLPE SWA PVC CU. CABLE  
+ 1C x 4 SQ.MM ECC



FEEDER/EQUIPMENT DESCRIPTION	CL (KW)
DISTRIBUTION BOARD (DB)	55.61
4 BURNER COOKING RANGE WITH OVEN BELOW (K-04 & K-04A)	22.00
FREE STANDING DOUBLE BASKET DEEP FAT FRYER (K-02)	10.80
DISH WASH MACHINE (DW-03)	12.00
SPARE	1.00
KITCHEN AIR WASHER UNIT	4.50
KITCHEN EXTRACT FAN	3.00
AIR HANDLING UNIT (AHU-1)	1.00
AIR HANDLING UNIT (AHU-2)	1.00
AIR HANDLING UNIT (AHU-3)	1.00

FEEDER SUPPLY TO LPDB  
(FOR CONTINUATION REFER E202)

ELECTRICAL LOW VOLTAGE SYSTEM LEGEND		
SYMBOL	DESCRIPTION	QTY
	MCCB (MOULDED CASE CIRCUIT BREAKER)	00
	MCB (MINIATURE CIRCUIT BREAKER)	00
	RCBO (RESIDUAL CURRENT CIRCUIT BREAKER WITH OVER CURRENT & SHORT CIRCUIT PROTECTION)	00
	VOLTMETER	00
	VOLTAGE SELECTOR SWITCH	00
	AMMETER	00
	ENERGY METER - CT TYPE (PREPAID METER)	00
	EARTH CONNECTION	00
	RYB INDICATOR LAMPS	00
	DIRECT ONLINE STARTER (D.O.L.)	00
	STAR / DELTA STARTER	00
	THREE PHASE ISOLATOR	00
	ELECTRICAL CABLE	00

NOTES

- CONTRACTOR TO CHECK & CONFIRM ACTUAL SITE CONDITIONS PRIOR TO START DEVELOPING THEIR SHOP DRAWINGS & WORK AT SITE.
- LAMINATED SINGLE LINE DIAGRAM & LOAD CALCULATION SHEET TO BE PROVIDED INSIDE / NEAR TO EACH ELECTRICAL PANEL / DB'S.
- ALL CABLES & WIRES MUST BE FRLSH/LSZH.
- GI CONDUITS WITH SUITABLE DIAMETER TO BE USED.
- AUTOMATIC FIRE SUPPRESSION SYSTEM TO BE PROVIDED FOR ELECTRICAL PANELS ACCORDING TO FIRE CODE / DIAL TENENT DESIGN MANUAL.
- POWER FOR HVAC EQUIPMENTS TO BE SHUT DOWN DURING FIRE SITUATION BY INTERFACING WITH FACP.

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T00 13.12.23 ISSUED FOR TENDER AK VJ  
REV DATE DESCRIPTION DRN CHK



PROJECT  
BUDWEISER BAR  
T1, IGI AIRPORT  
DELHI

DRAWING TITLE  
ELECTRICAL SLD  
SHEET 1 OF 2

SCALE NTS DATE 13.12.23 DRAWN AK A3 SHEET

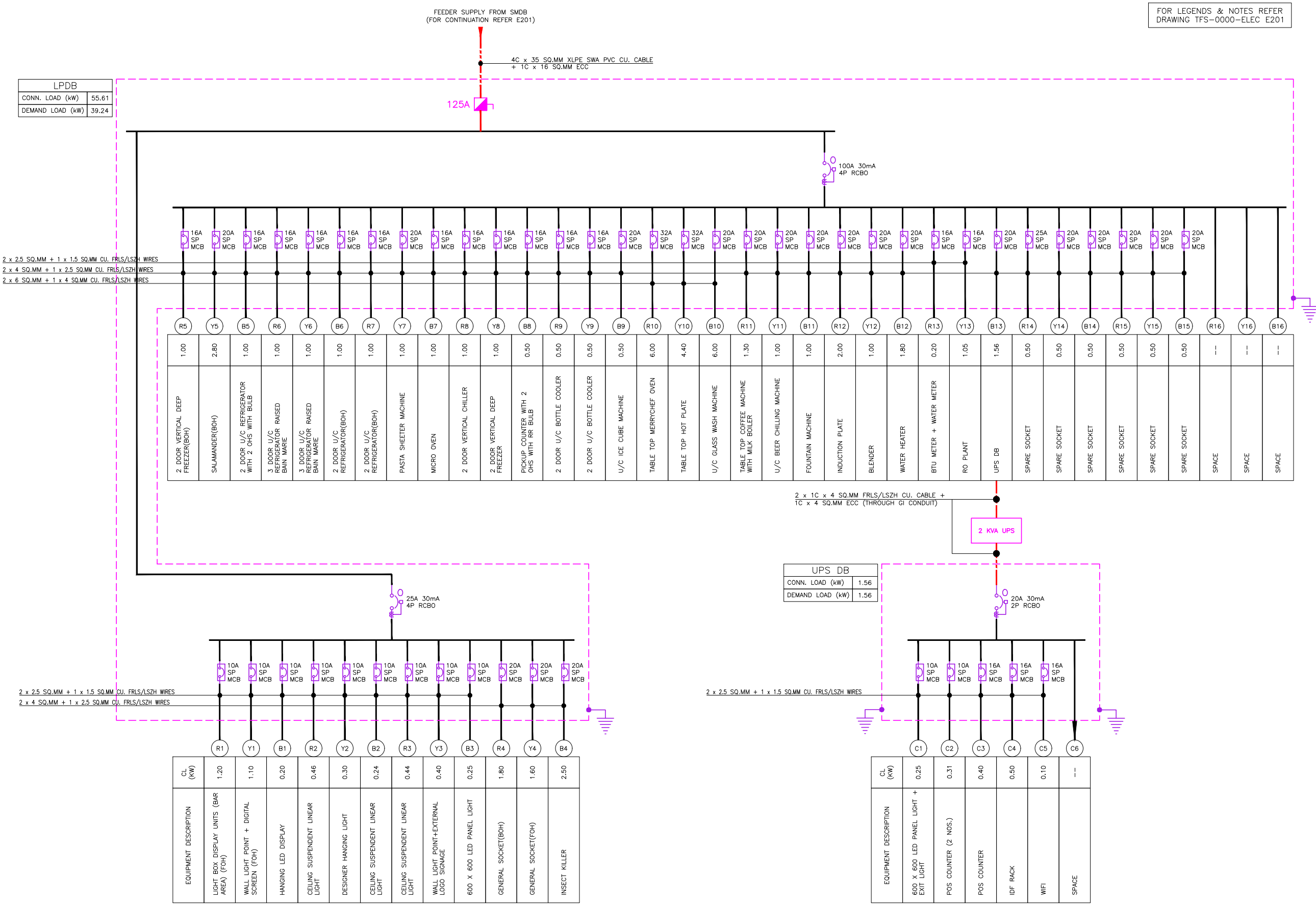
STATUS  
TENDER

ORG PROJECT NO DRAWING TYPE NUMBER REV  
TFS 0000 ELEC E201 T00

ALL DIMENSIONS MUST BE CHECKED ON SITE.  
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FOR LEGENDS & NOTES REFER DRAWING TFS-0000-ELEC E201



T00 13.12.23 ISSUED FOR TENDER AK VJ  
REV DATE DESCRIPTION DRN CHK



PROJECT  
**BUDWEISER BAR  
T1, IGI AIRPORT  
DELHI**

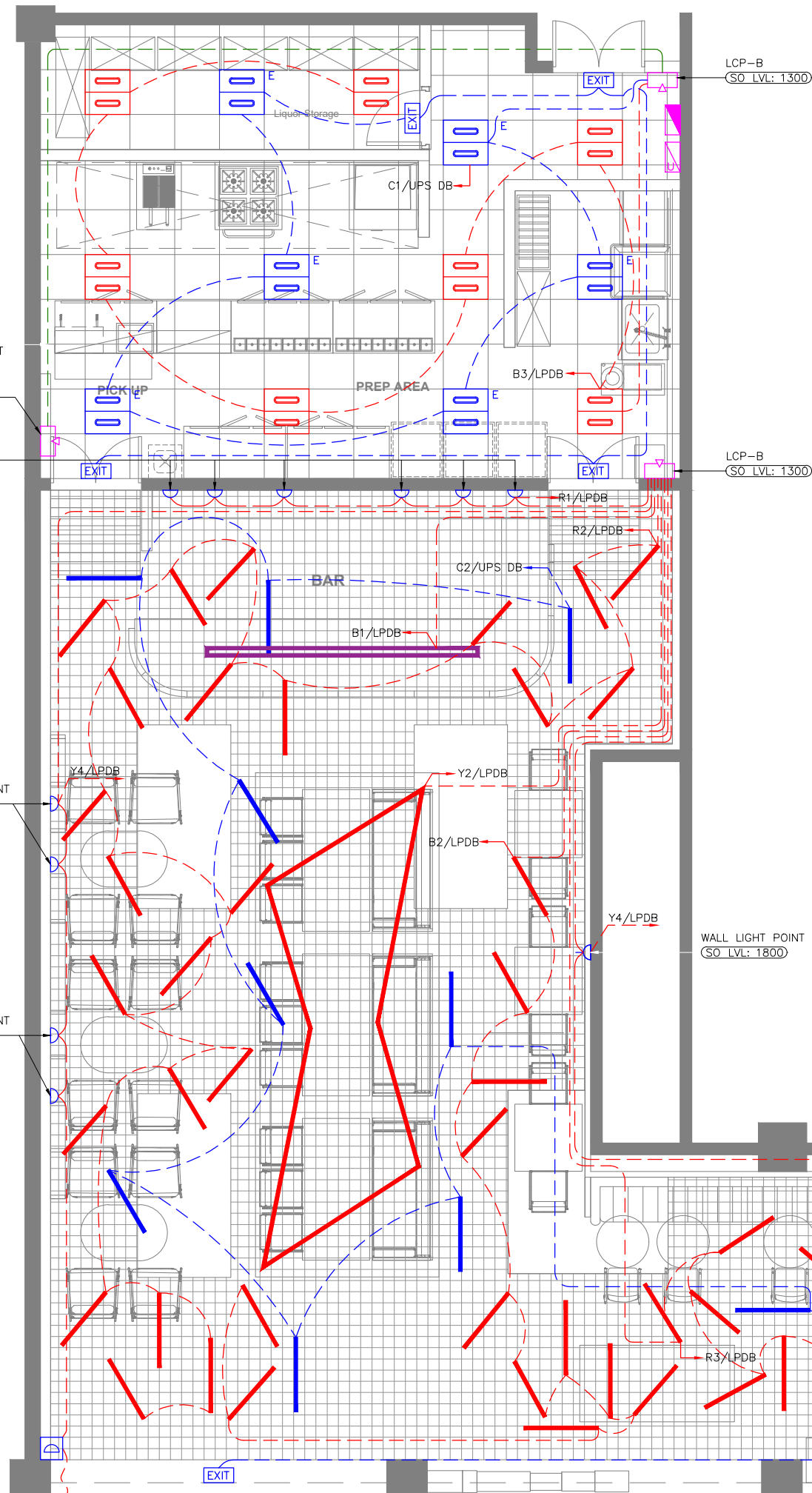
DRAWING TITLE  
**ELECTRICAL SLD  
SHEET 2 OF 2**

SCALE NTS DATE 13.12.23 DRAWN AK A3 SHEET

STATUS  
**TENDER**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 ELEC E202 T00**





LIGHTING LEGEND				
SYMBOL	DESCRIPTION	CODE	WATTS	QTY
	CEILING SUSPENDED LINEAR LIGHTS (1200 mm LONG)	--	20	57
	EMERGENCY CEILING SUSPENDED LINEAR LIGHTS	--	20	15
	DESIGNER HANGING LED LIGHT	--	300	01
	HANGING LED DISPLAY	--	200	01
	EMERGENCY 600 x 600mm LED PANEL LIGHT TEMP:4000K	--	36	06
	600 x 600mm LED PANEL LIGHT TEMP:4000K	--	36	07
	EXIT LIGHT (WALL / CEILING MOUNTED)	--	08	06
	13A SINGLE UNSWITCHED SOCKET OUTLET (FLOOR BOX)			01
	13A SINGLE UNSWITCHED SOCKET OUTLET			13
	LIGHTING CONTROL SWITCH POINT			03
	UPS DISTRIBUTION BOARD (SINGLE PHASE)			01
	DISTRIBUTION BOARD (THREE PHASE)			01
	LIGHTING NORMAL CIRCUIT	--		
	LIGHTING EMERGENCY CIRCUIT	--		

**NOTES**

- ALL DIMENSIONS & LEVEL ARE IN "MM" OR OTHERWISE SPECIFIED. LEVELS MARKED ARE FROM 0.00 FFL.
- N-01: WALL POINTS TO BE COORDINATE WITH ELEVATION OF DISPLAY UNITS.
- N-02: WALL LIGHT POINT TO BE COORDINATED WITH DISPLAY IN ELEVATION.
- FINAL LOCATION OF LIGHT FIXTURES TO BE FOLLOWED AS PER ARCHITECT LAYOUT.
- REFER ARCHITECTURAL DETAIL LAYOUT FOR DECORATIVE TYPE LIGHT FIXTURES.
- ALL SWITCH / SOCKET / DATA OUTLET PLATE COLOUR / FINISH TO BE MATCH WITH ARCHITECTURAL LAYOUT & ARCHITECT APPROVAL TO BE TAKEN PRIOR TO PRODUCT PROCUREMENT.

ALL DIMENSIONS MUST BE CHECKED ON SITE. INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

NOTES:  
IRRESPECTIVE OF THE DRAWING(S), IT IS THE CONTRACTOR'S OBLIGATION AND RESPONSIBILITY THAT SHALL BE EXECUTED AND COMPLETED IN ACCORDANCE TO THE SPECIFICATION, DRAWING(S) AS WELL AS REQUIREMENT. THE SAID DRAWING(S) SHALL NOT RELIEVE CONTRACTOR FROM ANY OBLIGATION UNDER THE CONTRACT AND IN PARTICULAR FROM ITS RESPONSIBILITY IN RELATION TO THE INSTALLATION MATERIALS AND WORKMANSHIP AND WHERE RELEVANT FROM A DUTY TO SEEK APPROVAL FROM THE COMPETENT AUTHORITY.

TWO WAY CONTROL CIRCUIT  
LCP-B  
(SO LVL: 1300)

DISPLAY UNITS  
(SO LVL: N-01)  
TYP : 06 NOS

WALL LIGHT POINT  
(SO LVL: N-02)  
TYP : 02 NOS

WALL LIGHT POINT  
(SO LVL: N-02)  
TYP : 02 NOS

WALL LIGHT POINT  
(SO LVL: 1800)

WALL LIGHT POINT  
(SO LVL: 1800)

EXTERNAL LOGO SIGNAGE  
(SO LVL: 3150)

DIGITAL SCREEN  
(SO LVL: 0.00)  
(DIGITAL SCREEN CONNECTED FROM FLOOR BOX WITH FLEXIBLE WIRES)

T00 13.12.23 ISSUED FOR TENDER AK VJ  
REV DATE DESCRIPTION DRN CHK



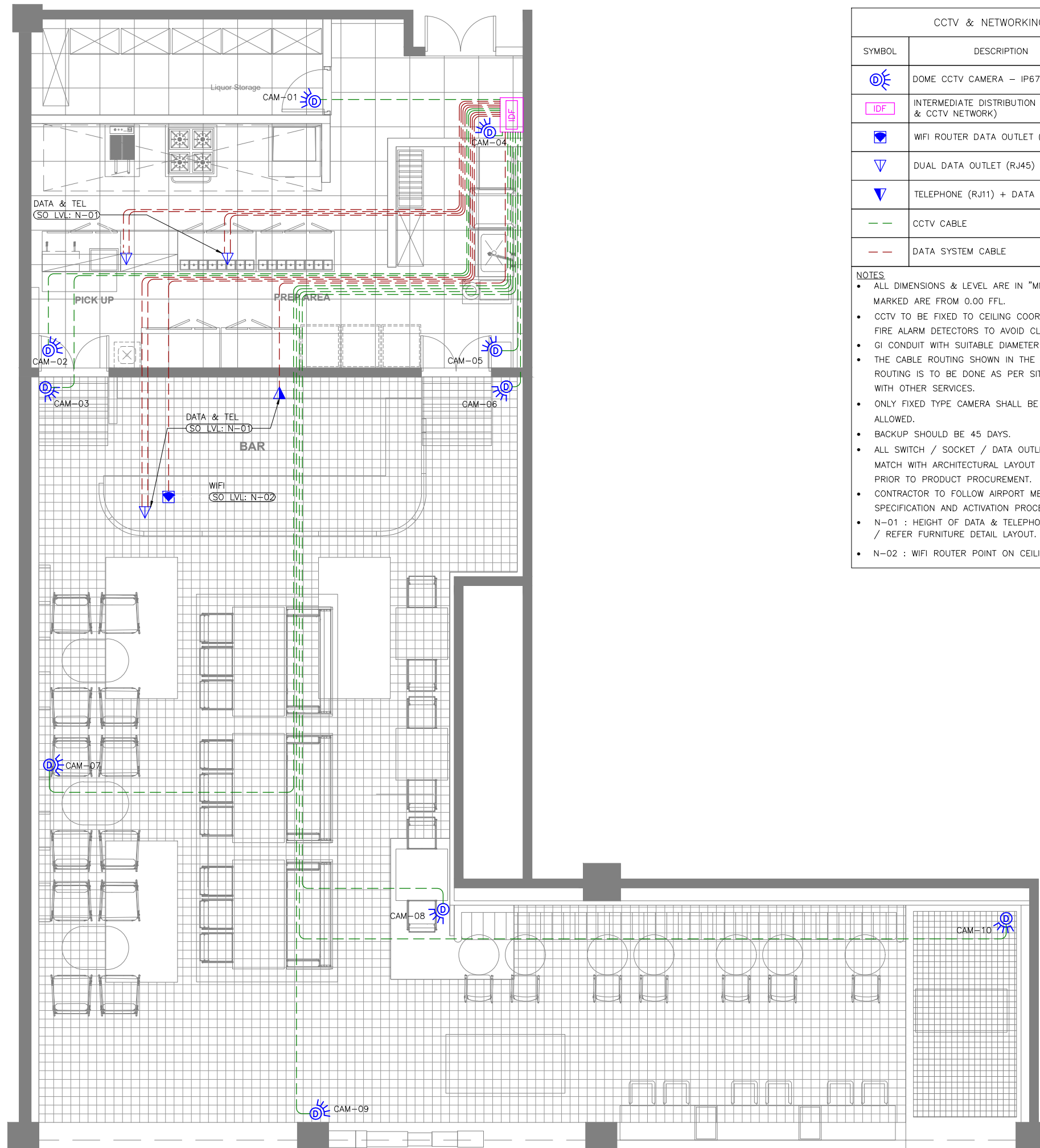
PROJECT  
**BUDWEISER BAR  
T1 , IGI AIRPORT  
DELHI**

DRAWING TITLE  
**LIGHTING LAYOUT**

SCALE 1:75 DATE 13.12.23 DRAWN AK A3 SHEET

STATUS  
**TENDER**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 ELEC E401 T00**



CCTV & NETWORKING LEGENDS		
SYMBOL	DESCRIPTION	QTY
	DOMI CCTV CAMERA – IP67 CEILING MOUNT	10
	INTERMEDIATE DISTRIBUTION FRAME (TELEPHONE, DATA & CCTV NETWORK)	01
	WiFi ROUTER DATA OUTLET (RJ45) (CEILING MOUNTED)	01
	DUAL DATA OUTLET (RJ45)	03
	TELEPHONE (RJ11) + DATA OUTLET (RJ45)	01
	CCTV CABLE	--
	DATA SYSTEM CABLE	--

**NOTES**

- ALL DIMENSIONS & LEVEL ARE IN "MM" OR OTHERWISE SPECIFIED. LEVELS MARKED ARE FROM 0.00 FFL.
- CCTV TO BE FIXED TO CEILING COORDINATING WITH LIGHTS, SPRINKLERS AND FIRE ALARM DETECTORS TO AVOID CLASHES.
- GI CONDUIT WITH SUITABLE DIAMETER TO BE USED FOR CCTV CABLES.
- THE CABLE ROUTING SHOWN IN THE DIAGRAM IS INDICATIVE ONLY. ACTUAL ROUTING IS TO BE DONE AS PER SITE CONDITION AND ALSO COORDINATE WITH OTHER SERVICES.
- ONLY FIXED TYPE CAMERA SHALL BE USED. NO PAN / TILT TYPE CAMERA IS ALLOWED.
- BACKUP SHOULD BE 45 DAYS.
- ALL SWITCH / SOCKET / DATA OUTLET PLATE COLOUR / FINISH TO BE MATCH WITH ARCHITECTURAL LAYOUT & ARCHITECT APPROVAL TO BE TAKEN PRIOR TO PRODUCT PROCUREMENT.
- CONTRACTOR TO FOLLOW AIRPORT MEP GUIDELINES FOR MATERIAL MAKE, SPECIFICATION AND ACTIVATION PROCESS.
- N-01 : HEIGHT OF DATA & TELEPHONE POINT TO BE COORDINATED AT SITE / REFER FURNITURE DETAIL LAYOUT.
- N-02 : WiFi ROUTER POINT ON CEILING.

ALL DIMENSIONS MUST BE CHECKED ON SITE.  
INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

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T00	13.12.23	ISSUED FOR TENDER	AK	VJ
REV	DATE	DESCRIPTION	DRN	CHK



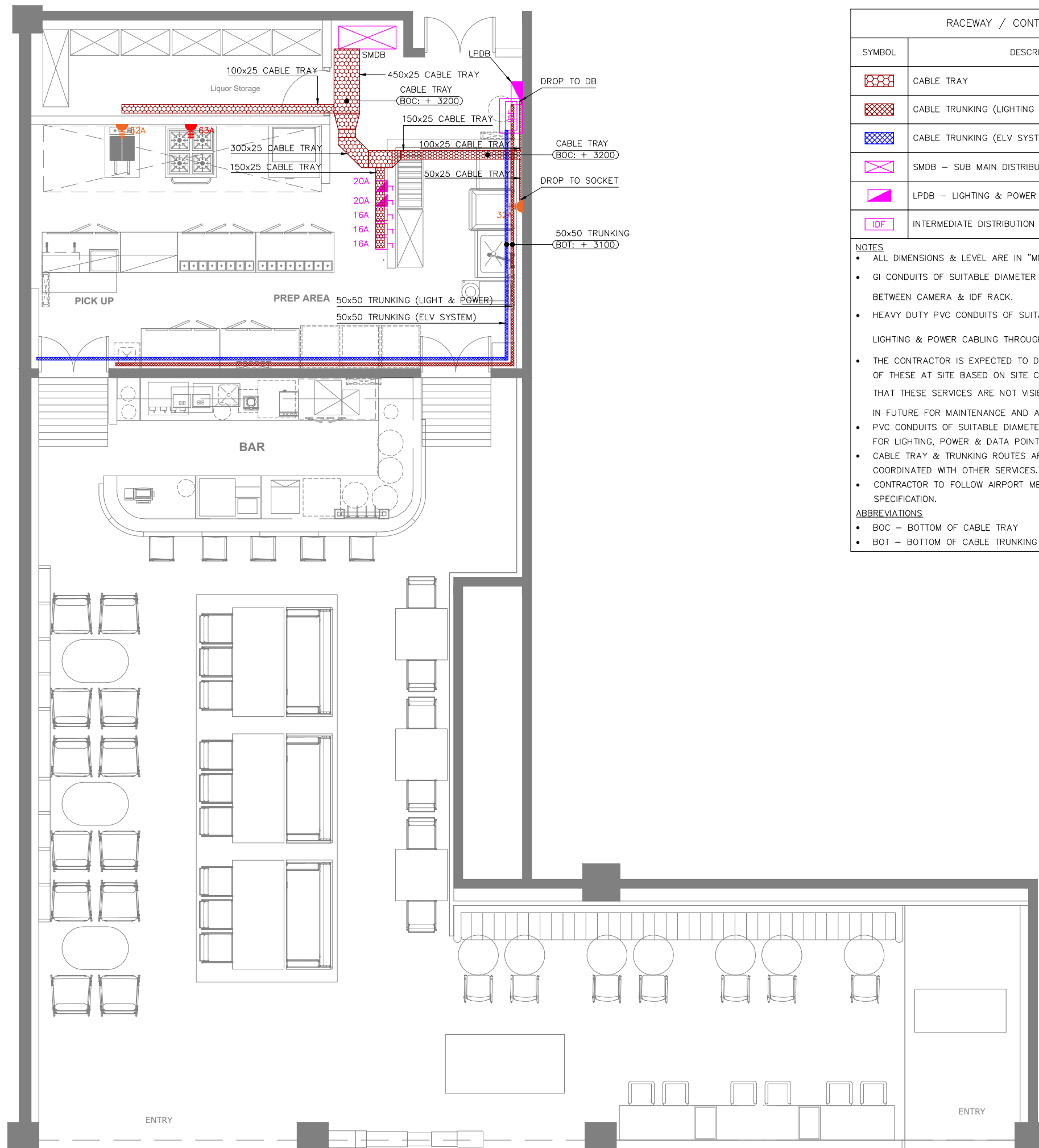
PROJECT  
**BUDWEISER BAR  
T1 , IGI AIRPORT  
DELHI**

DRAWING TITLE  
**CCTV & DATA LAYOUT**

SCALE 1:75    DATE 13.12.23    DRAWN AK    A3 SHEET

STATUS  
**TENDER**

ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	0000	ELEC	E501	T00



RACEWAY / CONTAINMENT LEGEND		
SYMBOL	DESCRIPTION	QTY
	CABLE TRAY	--
	CABLE TRUNKING (LIGHTING & LIGHTING)	--
	CABLE TRUNKING (ELV SYSTEM)	--
	SMDB - SUB MAIN DISTRIBUTION BOARD	--
	LPDB - LIGHTING & POWER DISTRIBUTION BOARD	--
	IDF - INTERMEDIATE DISTRIBUTION FRAME (ELV SYSTEM)	--

**NOTES**

- ALL DIMENSIONS & LEVEL ARE IN "MM" OR OTHERWISE MENTIONED.
- GI CONDUITS OF SUITABLE DIAMETER TO BE USED FOR ALL CCTV CABLING BETWEEN CAMERA & IDF RACK.
- HEAVY DUTY PVC CONDUITS OF SUITABLE DIAMETER TO BE USED FOR ALL LIGHTING & POWER CABLING THROUGH FLOOR SCREED / WALL.
- THE CONTRACTOR IS EXPECTED TO DEVELOP THE ACTUAL ROUTING DETAILS OF THESE AT SITE BASED ON SITE CONDITION. IT IS IMPORTANT TO ENSURE THAT THESE SERVICES ARE NOT VISIBLE TO CUSTOMERS, CAN BE ACCESSED IN FUTURE FOR MAINTENANCE AND ARE NOT DETRIMENTAL TO THE UNIT.
- PVC CONDUITS OF SUITABLE DIAMETER THROUGH FLOOR SCREED TO BE USED FOR LIGHTING, POWER & DATA POINTS TO DB & IDF RACK.
- CABLE TRAY & TRUNKING ROUTES ARE INDICATIVE ONLY, TO BE COORDINATED WITH OTHER SERVICES.
- CONTRACTOR TO FOLLOW AIRPORT MEP GUIDELINES FOR MATERIAL MAKE & SPECIFICATION.

**ABBREVIATIONS**

- BOC - BOTTOM OF CABLE TRAY
- BOT - BOTTOM OF CABLE TRUNKING

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NOTES:  
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T00 13.12.23 ISSUED FOR TENDER TT VJ  
REV DATE DESCRIPTION DRN CHK



PROJECT  
**BUDWEISER BAR  
T1 , IGI AIRPORT  
DELHI**

DRAWING TITLE  
**CONTAINMENT LAYOUT**

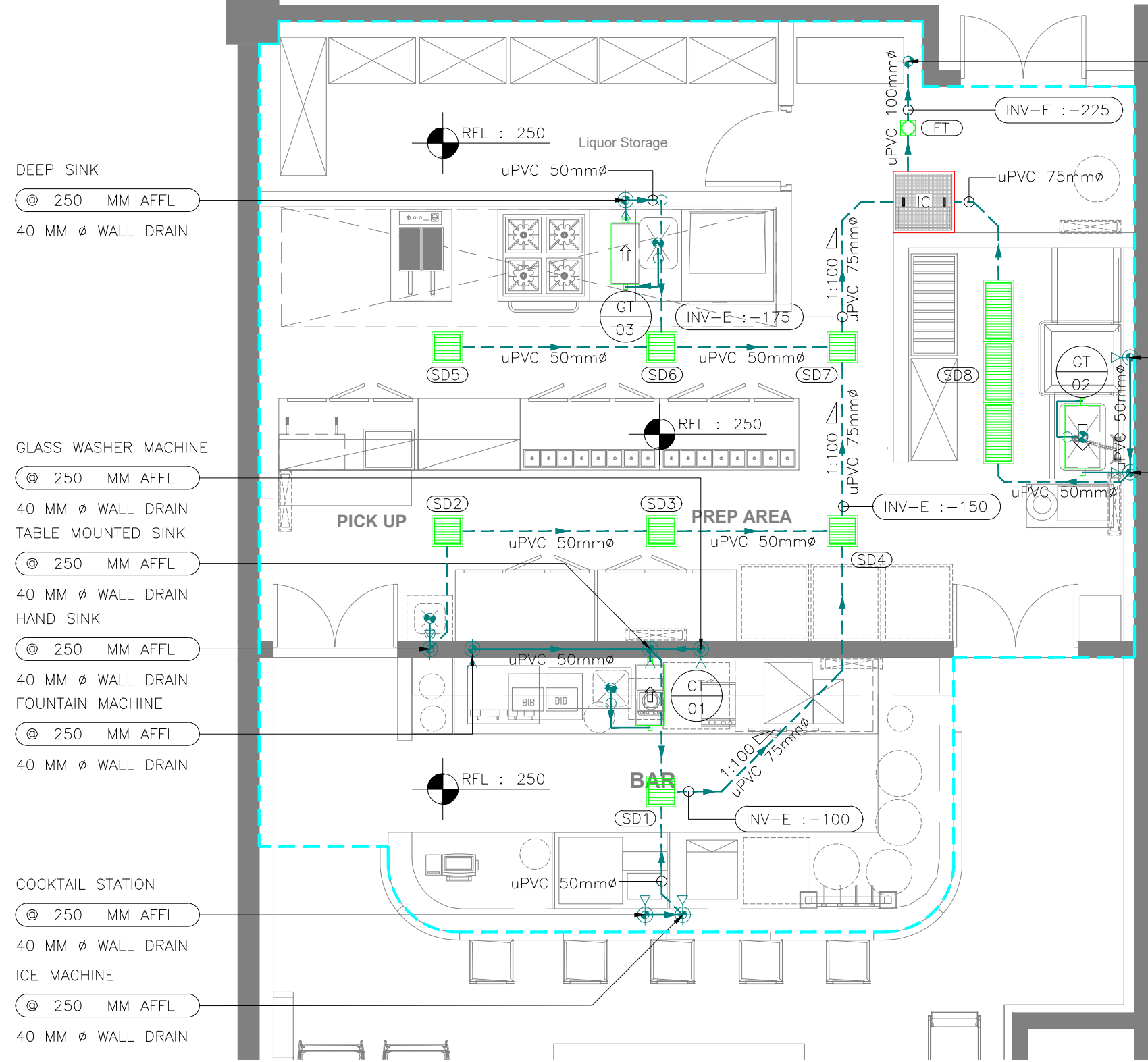
SCALE 1:75 DATE 13.12.23 DRAWN TT A3 SHEET

STATUS  
**TENDER**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 ELEC E601 T00**

ALL DIMENSIONS MUST BE CHECKED ON SITE  
INFORM THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

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DRAIN TERMINATION TO EXISTING DRAIN WATER TAP OFF POINT, EXACT LOCATION TO BE FIELD VERIFIED.

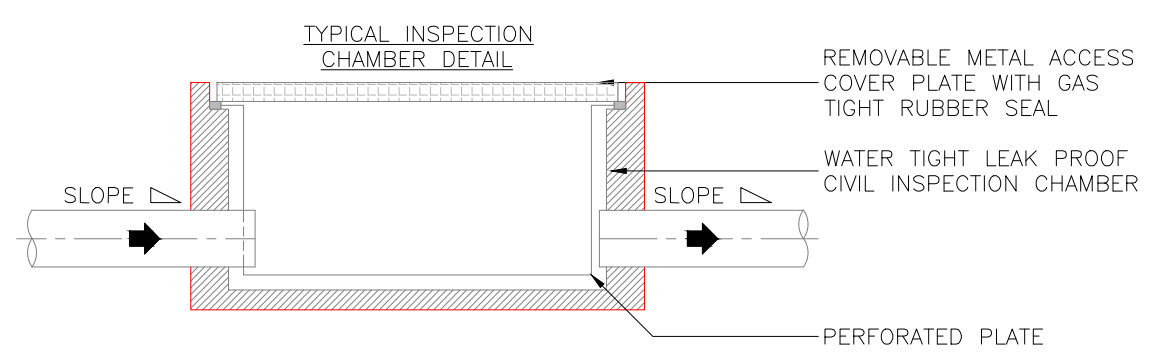
NOTES:

- PIPE WORKS AND FITTINGS SHALL COMPLY WITH THE DRAWINGS AND LOCAL AUTHORITIES REQUIREMENTS.
- ALL PIPES SHALL BE SUITABLY SUPPORTED AND PROVIDED WITH CLEANOUTS FOR RODDING WERE EVER NECESSARY.
- ALL PLUMBING FIXTURES & DRAIN SHOULD HAVE SUITABLE WATER TRAPS TO PREVENT THE ESCAPE OF FOUL AIR INTO THE BUILDING.
- ANY GREASE GENERATING FIXTURE SHALL BE CONNECTED TO UNDER COUNTER GREASE INTERCEPTOR BEFORE CONNECTING TO BASE BUILD STUB OUT.
- DRAIN SLOPE MAY VARIES DEPENDING UPON SITE CONDITION AND TO MATCH WITH THE FLOOR RISE PROVIDED BY THE ARCHITECT.
- RAISED FLOOR APPROVALS (IF ANY) TO BE OBTAINED ON ARCHITECTURAL DESIGN REVIEW.
- RUNNING THE SERVICES ALONG THE WALLS OF THE FRONT/ BACK COUNTER.
- IF THE SERVICES HAVE TO RUN ON THE FLOOR, THEN CHIPPING EXISTING FLOOR AND SUBMERGING SERVICES UNDERNEATH (IF ALLOWED BY AIRPORT).
- ALL THE DRAINAGE PIPE WORK SHALL BE OF UPVC TYPE-A.
- ALL PROPOSED DRAIN TAP-OFF POINT ELEVATIONS ARE MARKED FROM RAISED FLOOR LVL.

- DEEP SINK @ 250 MM AFFL 40 MM Ø WALL DRAIN
- GLASS WASHER MACHINE @ 250 MM AFFL 40 MM Ø WALL DRAIN
- TABLE MOUNTED SINK @ 250 MM AFFL 40 MM Ø WALL DRAIN
- HAND SINK @ 250 MM AFFL 40 MM Ø WALL DRAIN
- FOUNTAIN MACHINE @ 250 MM AFFL 40 MM Ø WALL DRAIN
- COCKTAIL STATION @ 250 MM AFFL 40 MM Ø WALL DRAIN
- ICE MACHINE @ 250 MM AFFL 40 MM Ø WALL DRAIN

- DISH WASHER @ 250 MM AFFL 40 MM Ø WALL DRAIN
- DEEP SINK @ 250 MM AFFL 40 MM Ø WALL DRAIN

01 DRAINAGE LAYOUT  
P101 1:50



- PIPE RUNS ABOVE CEILING
- PIPE RUNS ON WALL
- PIPE RUNS BELOW RAISED FLOOR
- ELBOW DOWN
- ELBOW UP
- TOP CONNECTION
- BOTTOM CONNECTION
- FLOW DIRECTION

PLUMBING DRAINAGE SYSTEM LEGEND	
SYMBOL	DESCRIPTION
	WASTE WATER PIPE
	FLOOR DRAIN TERMINATION PIPE UP-STAND AFFL - FDP
	WASTE DRAIN TERMINATION ON WALL - WD
	FLOOR TRAP - FT
	P - TRAP
	SCUPPER DRAIN
	GREASE TRAP / GREASE INTERCEPTOR - GT
	WASTE WATER PIPE TAP OFF POINT
	AIR ADMITTANCE VALVE - AAV
	INSPECTION CHAMBER - IC
	INDICATIVE FLOOR RISE REQUIRED AREA

RO 13.12.23 ISSUED FOR TENDER HS MB  
REV DATE DESCRIPTION DRN CHK



PROJECT  
**BUDWEISER BAR  
T1, IGI AIRPORT  
DELHI**

DRAWING TITLE  
**DRAINAGE LAYOUT**

SCALE 1:50 DATE 13.12.23 DRAWN HS A3 SHEET

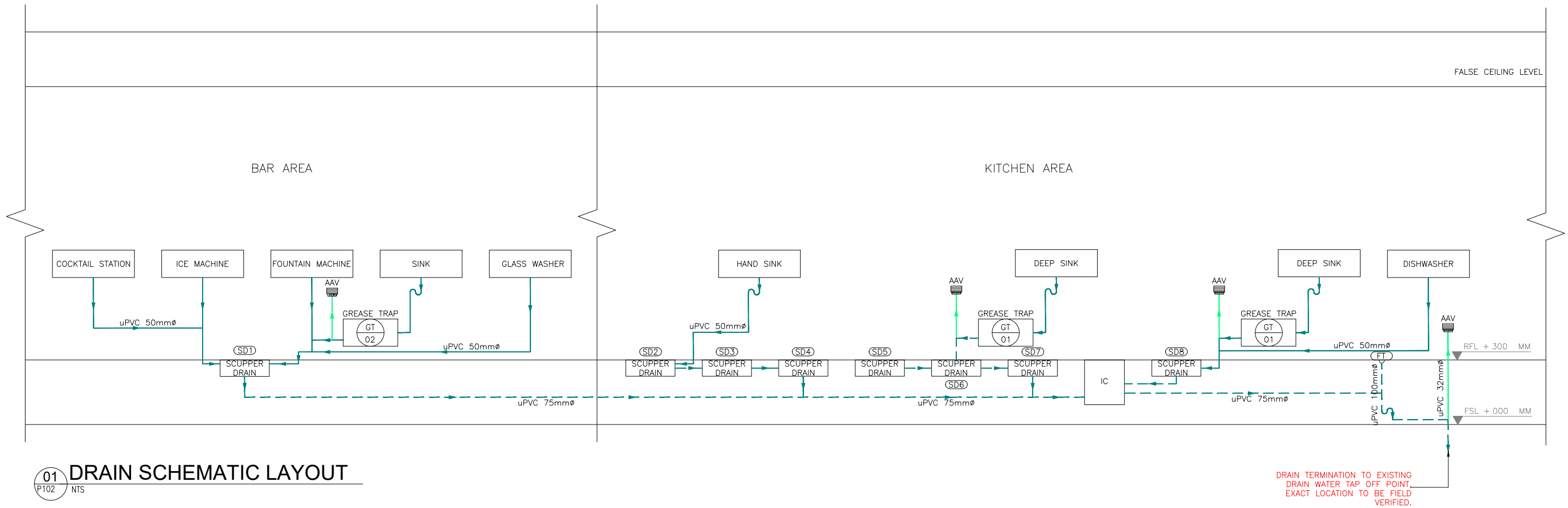
STATUS  
**TENDER**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 PLUM P201 R0**



ALL DIMENSIONS MUST BE CHECKED ON SITE  
INFORM THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

NOTES:  
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**01 DRAIN SCHEMATIC LAYOUT**  
P102 NTS

- PIPE RUNS ABOVE CEILING
- PIPE RUNS ON WALL
- .-.-.- PIPE RUNS BELOW RAISED FLOOR

RO	13.12.23	ISSUED FOR TENDER	HS	MB
REV	DATE	DESCRIPTION	DRN	CHK



PROJECT  
**BUDWEISER BAR**  
T1 , IGI AIRPORT  
DELHI

DRAWING TITLE  
**DRAINAGE SCHEMATIC LAYOUT**

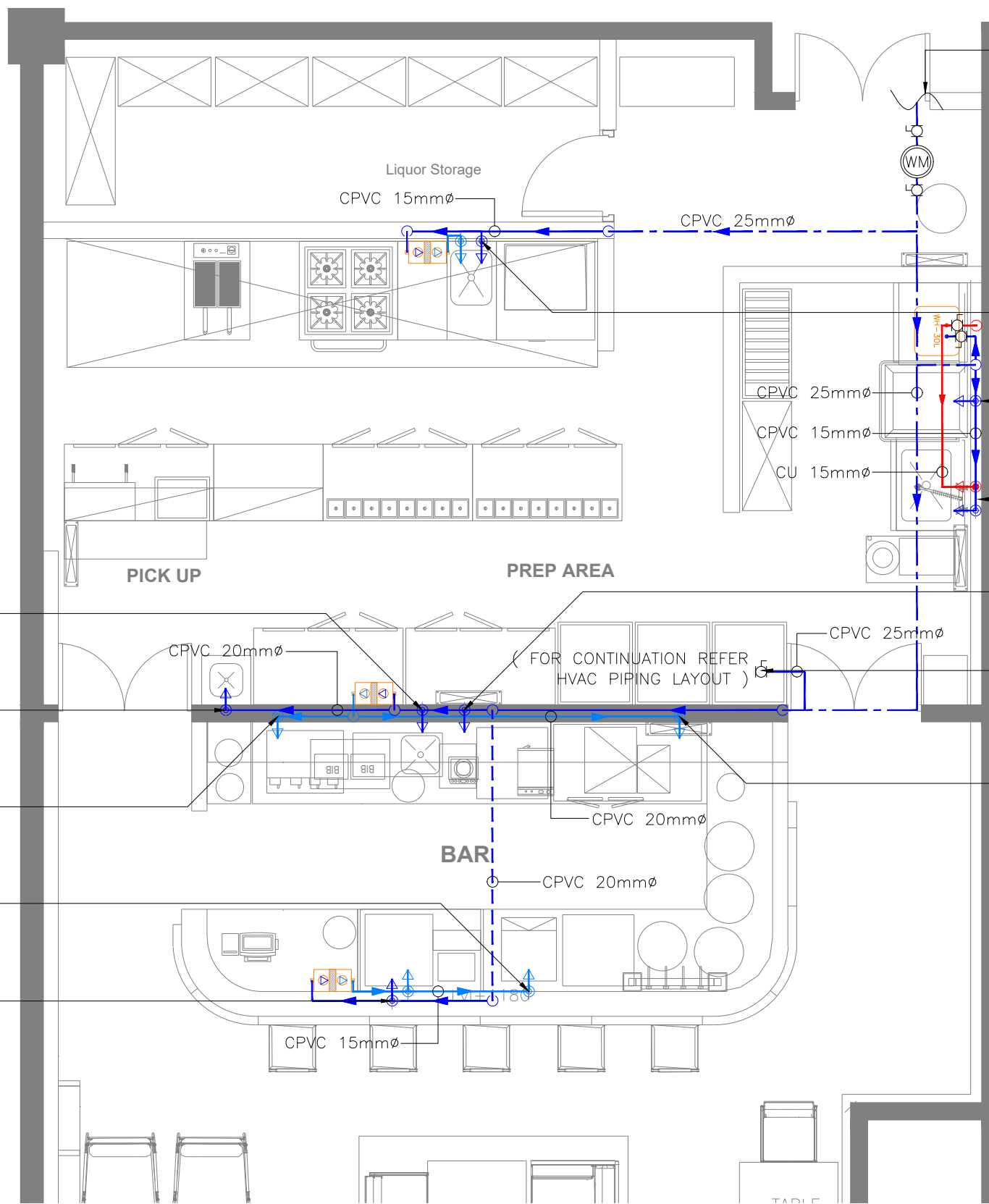
SCALE NTS      DATE 13.12.23      DRAWN HS      A3 SHEET

STATUS  
**DETAIL DESIGN**

ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	0000	PLUM	P201 R0	

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INFORM THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

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25mm $\phi$  CWS PIPE TO BE CONNECTED TO EXISTING WATER SUPPLY TAP OFF POINT EXACT LOCATION TO BE FIELD VERIFIED

WATER SUPPLY SYSTEM LEGEND	
	BALL VALVE
	STOP COCK
	COLD WATER PIPE
	RO / FILTERED WATER PIPE
	HOT WATER SUPPLY
	WATER METER (EXISTING)
	WATER HEATER - 30L
	RO FILTER

CW - COLD WATER  
FWS - FILTERED WATER SUPPLY  
HWS - HOT WATER SUPPLY  
C/W - CONTINUED WITH

- TABLE MOUNTED SINK  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK
- HAND SINK  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK
- FOUNTAIN MACHINE  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK
- ICE MACHINE  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK
- COCKTAIL STATION  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK

- DEEP SINK  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK
- DISHWASHER  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK
- DEEP SINK  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK
- GLASS WASH MACHINE  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK
- AIR WASHER  
@ 3400 MM AFFL  
20 mm  $\phi$  C/W STOP COCK
- COFFEE MACHINE  
@ 300 MM AFFL  
15 mm  $\phi$  C/W STOP COCK

NOTES:

- PIPE WORKS AND FITTINGS SHALL COMPLY WITH THE DRAWINGS AND LOCAL AUTHORITIES REQUIREMENTS.
- CONNECT NEW COLD WATER PIPE TO EXISTING RISER LOCATED ON FLOOR LEVEL. FIELD VERIFY EXISTING LOCATION.
- ASSUMING WATER SUPPLIED TO SITE IS QUALITY WATER THE EQUIPMENT REQUIRED RO WATER ARE SUPPLIED C/W WATER FILTRATION UNIT HOPING WATER SUPPLY HAVE ENOUGH PRESSURE.
- FINAL WATER FILTRATION SYSTEMS, WILL BE DESIGNED BY SPECIALIST VENDORS.
- PLEASE NOTE PIPE WORK AND EQUIPMENT MAY BE SHOWN DISPLACED FOR CLARITY
- ALL PROPOSED WATER SUPPLY TAP-OFF POINT ELEVATIONS ARE MARKED FROM RASIED FLOOR LVL.

TOO	DATE	DESCRIPTION	ISSUED FOR TENDER	HS	MB
REV	DATE	DESCRIPTION		DRN	CHK



PROJECT  
**BUDWEISER BAR  
T1 , IGI AIRPORT  
DELHI**

DRAWING TITLE  
**WATER SUPPLY LAYOUT**

SCALE 1:50 DATE 13.12.23 DRAWN HS A3 SHEET

STATUS  
**TENDER**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 PLUM P201 T00**

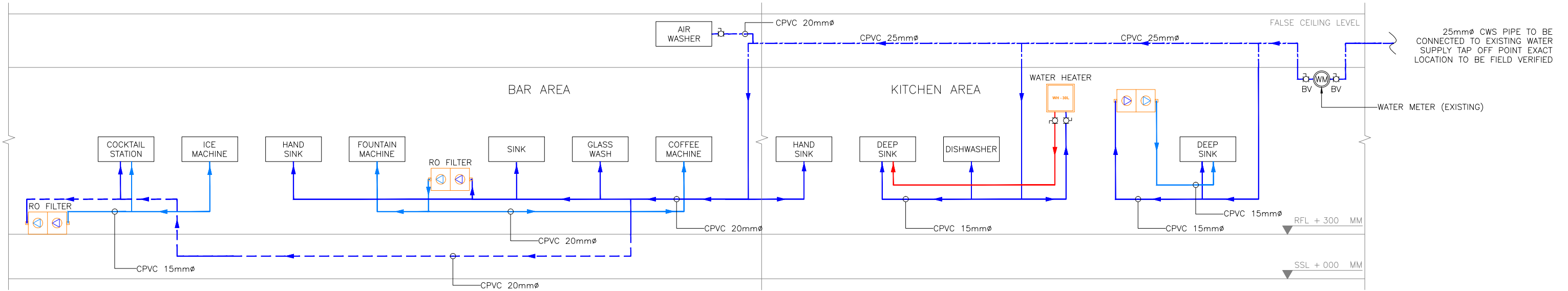
**01 WATER SUPPLY LAYOUT**  
P201 1:50

- PIPE RUNS ABOVE CEILING
- PIPE RUNS ON WALL
- - - PIPE RUNS BELOW RAISED FLOOR
- CWS - COLD WATER SUPPLY
- FWS - FILTER WATER SUPPLY
- HWS - HOT WATER SUPPER

- ELBOW DOWN
- ELBOW UP
- TOP CONNECTION
- BOTTOM CONNECTION
- FLOW DIRECTION

ALL DIMENSIONS MUST BE CHECKED ON SITE  
INFORM THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

NOTES:  
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25mm $\phi$  CWS PIPE TO BE CONNECTED TO EXISTING WATER SUPPLY TAP OFF POINT EXACT LOCATION TO BE FIELD VERIFIED

**01** WATER SUPPLY SCHEMATIC LAYOUT  
P202 NTS

- PIPE RUNS ABOVE CEILING
- PIPE RUNS ON WALL
- - - PIPE RUNS BELOW RAISED FLOOR
- CWS – COLD WATER SUPPLY
- FWS – FILTER WATER SUPPLY
- HWS – HOT WATER SUPPER

T00	13.12.23	ISSUED FOR TENDER	HS	MB
REV	DATE	DESCRIPTION	DRN	CHK



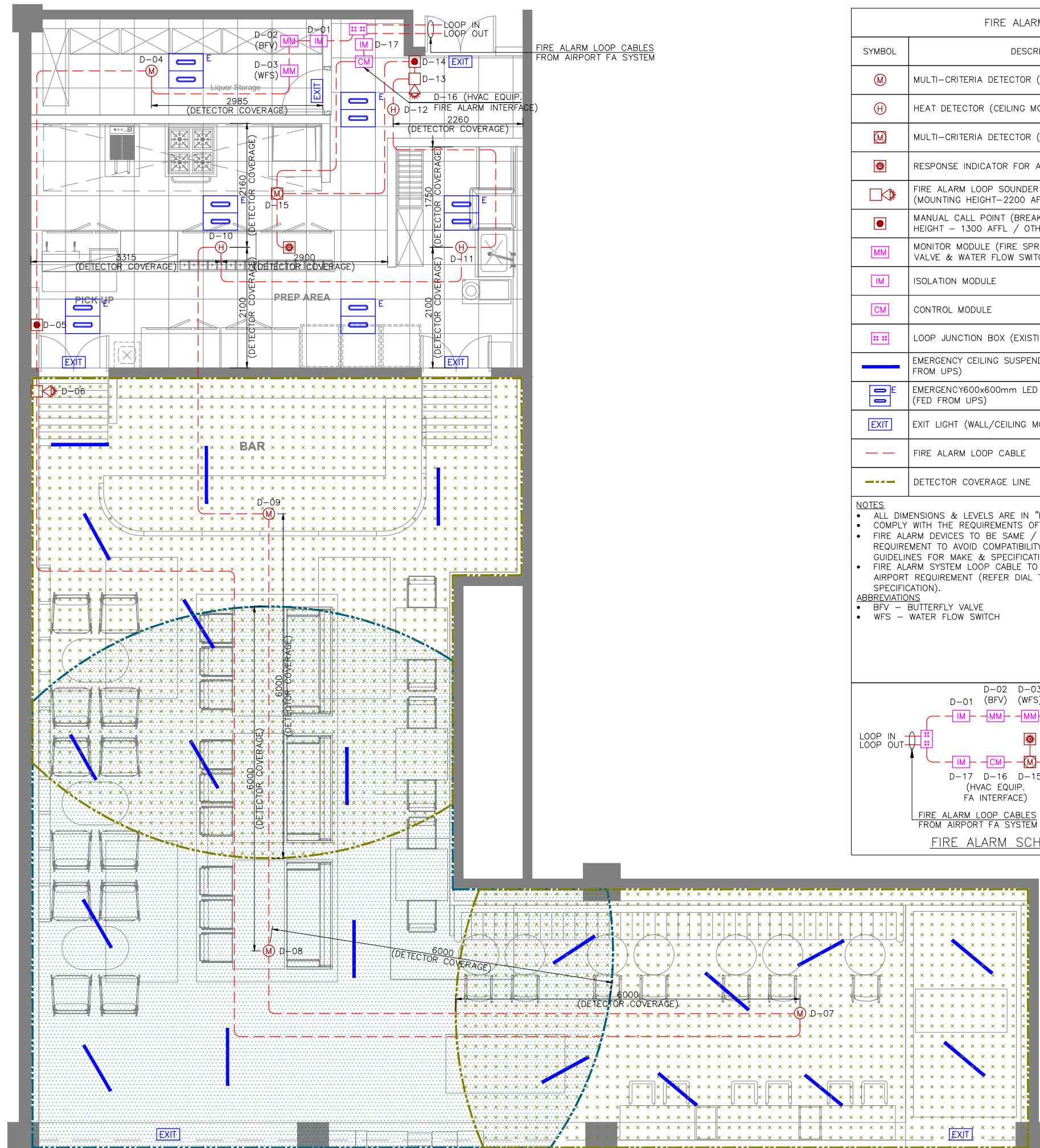
PROJECT  
**BUDWEISER BAR**  
T1 , IGI AIRPORT  
DELHI

DRAWING TITLE  
**WATER SUPPLY SCHEMATIC LAYOUT**

SCALE NTS DATE 13.12.23 DRAWN HS A3 SHEET

STATUS  
**TENDER**

ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	0000	PLUM	P202	T00



FIRE ALARM LOOP CABLES FROM AIRPORT FA SYSTEM

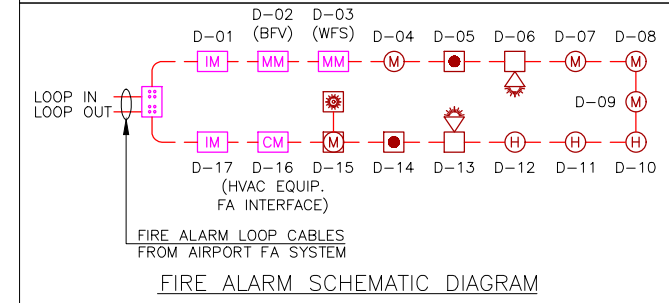
FIRE ALARM LEGEND		
SYMBOL	DESCRIPTION	QTY
(M)	MULTI-CRITERIA DETECTOR (CEILING MOUNTED)	04
(H)	HEAT DETECTOR (CEILING MOUNTED)	03
(M)	MULTI-CRITERIA DETECTOR (CEILING VOID)	01
(S)	RESPONSE INDICATOR FOR ABOVE CEILING DETECTOR	01
(S)	FIRE ALARM LOOP SOUNDER STROBE (WALL MOUNTED), (MOUNTING HEIGHT-2200 AFFL / OTHERWISE SPECIFIED)	02
(M)	MANUAL CALL POINT (BREAK GLASS UNIT), (MOUNTING HEIGHT - 1300 AFFL / OTHERWISE SPECIFIED)	02
(MM)	MONITOR MODULE (FIRE SPRINKLER SYSTEM BUTTERFLY VALVE & WATER FLOW SWITCH)	02
(IM)	ISOLATION MODULE	02
(CM)	CONTROL MODULE	01
(JB)	LOOP JUNCTION BOX (EXISTING)	--
(E)	EMERGENCY CEILING SUSPENDED LINEAR LIGHTS (FED FROM UPS)	20
(E)	EMERGENCY 600x600mm LED PANEL LIGHT TEMP: 4000K (FED FROM UPS)	06
(EXIT)	EXIT LIGHT (WALL/CEILING MOUNTED) (FED FROM UPS)	06
(---)	FIRE ALARM LOOP CABLE	--
(---)	DETECTOR COVERAGE LINE	--

**NOTES**

- ALL DIMENSIONS & LEVELS ARE IN "MM" OR OTHERWISE SPECIFIED.
- COMPLY WITH THE REQUIREMENTS OF NFPA 72.
- FIRE ALARM DEVICES TO BE SAME / RECOMMENDED MAKE AS PER AIRPORT REQUIREMENT TO AVOID COMPATIBILITY ISSUES (REFER DIAL TDM / GUIDELINES FOR MAKE & SPECIFICATION).
- FIRE ALARM SYSTEM LOOP CABLE TO BE SAME MAKE, SIZE & TYPE AS PER AIRPORT REQUIREMENT (REFER DIAL TDM / GUIDELINES FOR MAKE & SPECIFICATION).

**ABBREVIATIONS**

- BFV - BUTTERFLY VALVE
- WFS - WATER FLOW SWITCH



FIRE ALARM SCHEMATIC DIAGRAM

ALL DIMENSIONS MUST BE CHECKED ON SITE. INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

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TOO 13.12.23	ISSUED FOR TENDER	TT	VJ
REV	DATE	DESCRIPTION	DRN
			CHK



PROJECT  
**BUDWEISER BAR**  
T1, IGI AIRPORT  
DELHI

DRAWING TITLE  
**FIRE ALARM LAYOUT**

SCALE 1:75    DATE 13.12.23    DRAWN TT    A3 SHEET

STATUS  
**TENDER**

ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 ELEC F101 T00**

ALL DIMENSIONS MUST BE CHECKED ON SITE  
INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

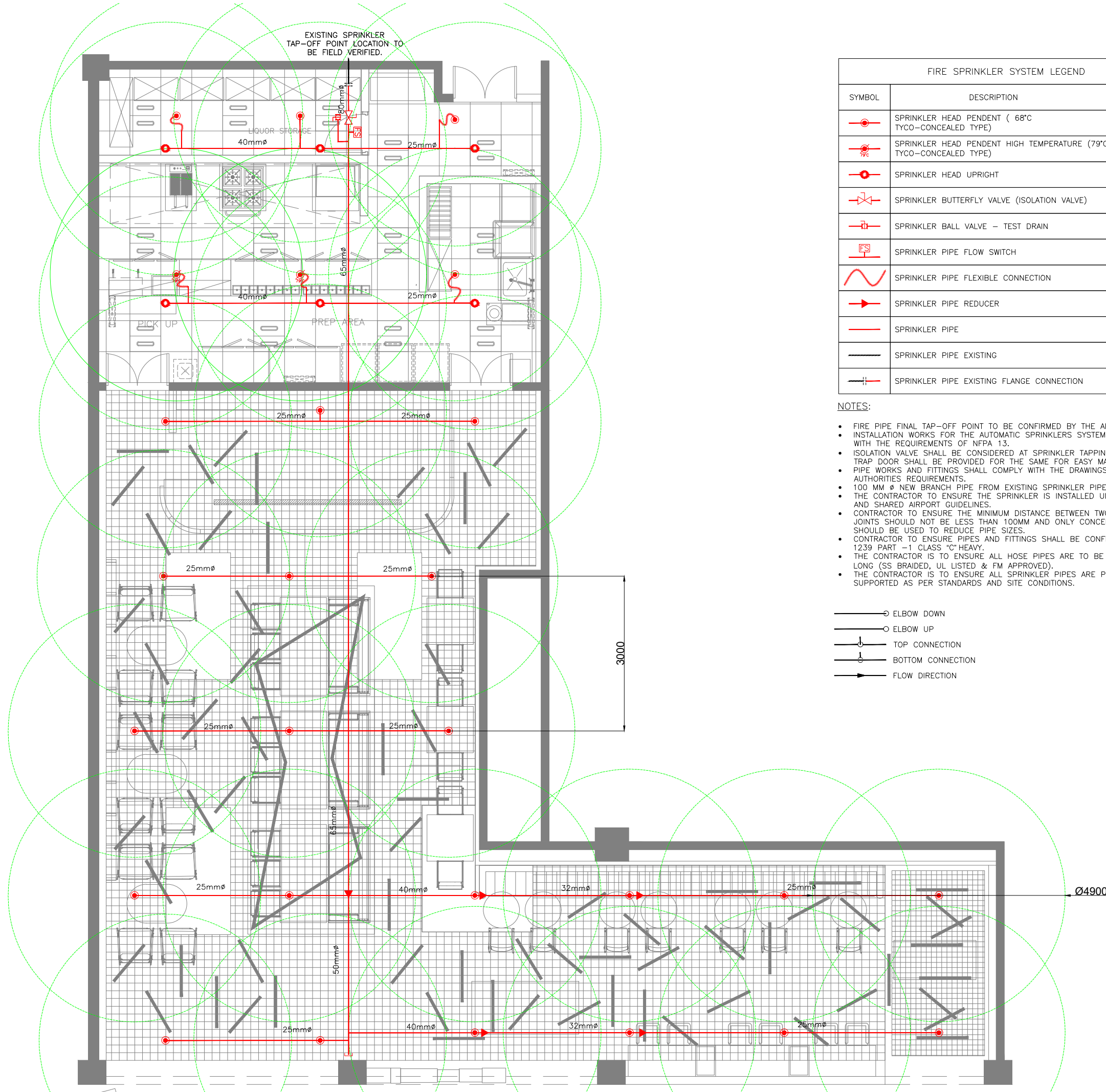
NOTES:  
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FIRE SPRINKLER SYSTEM LEGEND		
SYMBOL	DESCRIPTION	QTY
	SPRINKLER HEAD PENDENT ( 68°C TYCO-CONCEALED TYPE)	25
	SPRINKLER HEAD PENDENT HIGH TEMPERATURE (79°C - TYCO-CONCEALED TYPE)	02
	SPRINKLER HEAD UPRIGHT	06
	SPRINKLER BUTTERFLY VALVE (ISOLATION VALVE)	01
	SPRINKLER BALL VALVE - TEST DRAIN	01
	SPRINKLER PIPE FLOW SWITCH	01
	SPRINKLER PIPE FLEXIBLE CONNECTION	--
	SPRINKLER PIPE REDUCER	03
	SPRINKLER PIPE	--
	SPRINKLER PIPE EXISTING	--
	SPRINKLER PIPE EXISTING FLANGE CONNECTION	--

NOTES:

- FIRE PIPE FINAL TAP-OFF POINT TO BE CONFIRMED BY THE AIRPORT.
- INSTALLATION WORKS FOR THE AUTOMATIC SPRINKLERS SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 13.
- ISOLATION VALVE SHALL BE CONSIDERED AT SPRINKLER TAPPING (PN16) AND TRAP DOOR SHALL BE PROVIDED FOR THE SAME FOR EASY MAINTENANCE.
- PIPE WORKS AND FITTINGS SHALL COMPLY WITH THE DRAWINGS AND LOCAL AUTHORITIES REQUIREMENTS.
- 100 MM Ø NEW BRANCH PIPE FROM EXISTING SPRINKLER PIPE.
- THE CONTRACTOR TO ENSURE THE SPRINKLER IS INSTALLED UNDER NFPA-13 AND SHARED AIRPORT GUIDELINES.
- CONTRACTOR TO ENSURE THE MINIMUM DISTANCE BETWEEN TWO WIELDED JOINTS SHOULD NOT BE LESS THAN 100MM AND ONLY CONCENTRIC REDUCERS SHOULD BE USED TO REDUCE PIPE SIZES.
- CONTRACTOR TO ENSURE PIPES AND FITTINGS SHALL BE CONFIRMED TO IS 1239 PART -1 CLASS 'C' HEAVY.
- THE CONTRACTOR IS TO ENSURE ALL HOSE PIPES ARE TO BE TYCO-1500 MM LONG (SS BRAIDED, UL LISTED & FM APPROVED).
- THE CONTRACTOR IS TO ENSURE ALL SPRINKLER PIPES ARE PROPERLY SUPPORTED AS PER STANDARDS AND SITE CONDITIONS.

- ELBOW DOWN
- ELBOW UP
- TOP CONNECTION
- BOTTOM CONNECTION
- FLOW DIRECTION



TOO 13.12.23	ISSUED FOR TENDER	ST MB
REV DATE	DESCRIPTION	DRN CHK



PROJECT  
**BUDWEISER BAR**

T1 , IGI AIRPORT  
**DELHI**

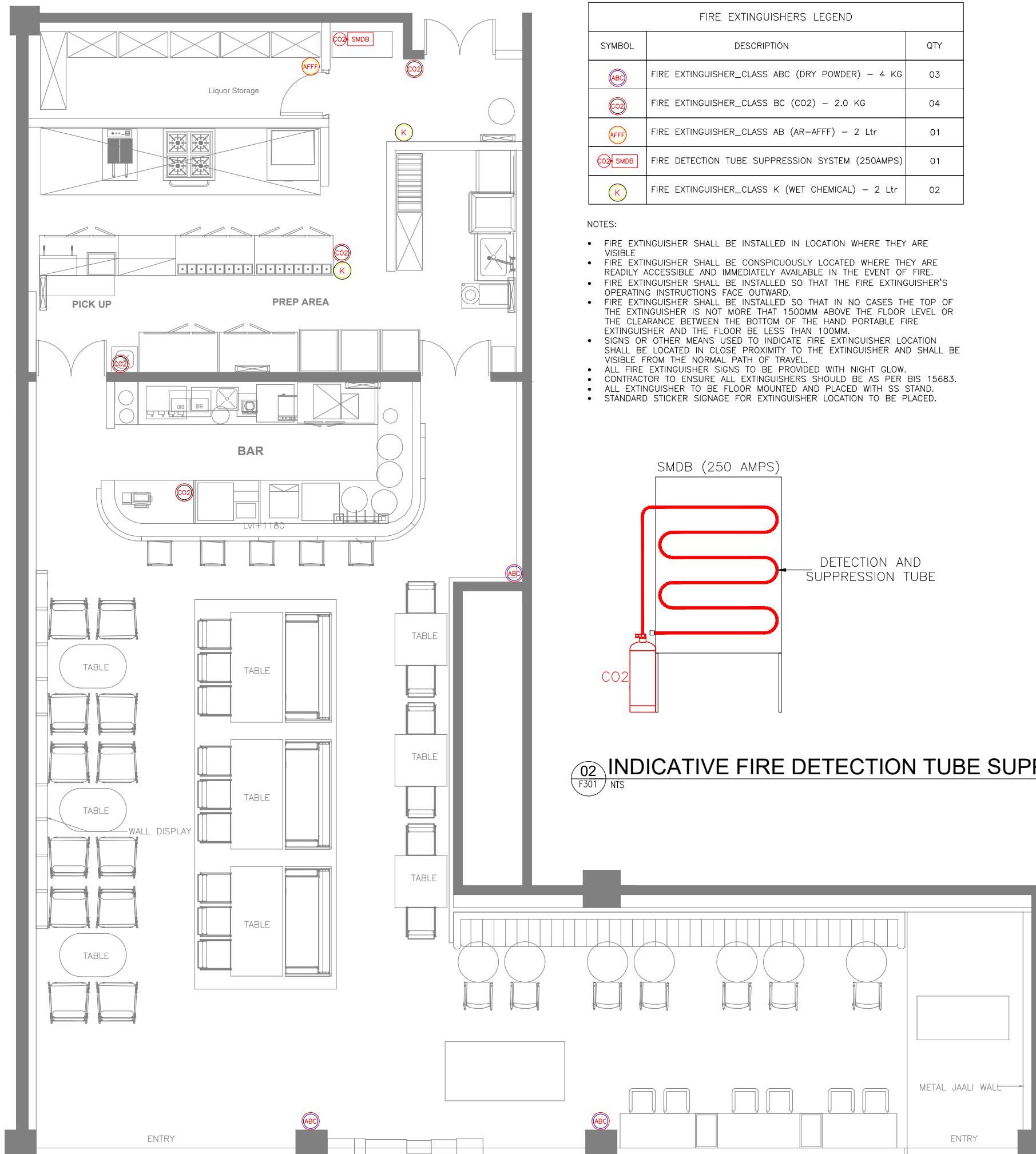
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**FIRE SPRINKLER LAYOUT**

SCALE 1:75 DATE 13.12.23 DRAWN ST A3 SHEET

STATUS  
**TENDER**

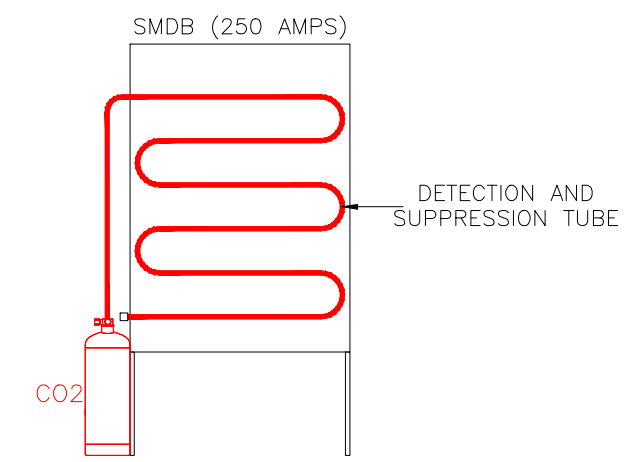
ORG PROJECT NO DRAWING TYPE NUMBER REV  
**TFS 0000 FIRE F201 T00**

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FIRE EXTINGUISHERS LEGEND		
SYMBOL	DESCRIPTION	QTY
(ABC)	FIRE EXTINGUISHER_CLASS ABC (DRY POWDER) - 4 KG	03
(CO2)	FIRE EXTINGUISHER_CLASS BC (CO2) - 2.0 KG	04
(AFFF)	FIRE EXTINGUISHER_CLASS AB (AR-AFFF) - 2 Ltr	01
(CO2) SMDB	FIRE DETECTION TUBE SUPPRESSION SYSTEM (250AMPS)	01
(K)	FIRE EXTINGUISHER_CLASS K (WET CHEMICAL) - 2 Ltr	02

- NOTES:
- FIRE EXTINGUISHER SHALL BE INSTALLED IN LOCATION WHERE THEY ARE VISIBLE.
  - FIRE EXTINGUISHER SHALL BE CONSPICUOUSLY LOCATED WHERE THEY ARE READILY ACCESSIBLE AND IMMEDIATELY AVAILABLE IN THE EVENT OF FIRE.
  - FIRE EXTINGUISHER SHALL BE INSTALLED SO THAT THE FIRE EXTINGUISHER'S OPERATING INSTRUCTIONS FACE OUTWARD.
  - FIRE EXTINGUISHER SHALL BE INSTALLED SO THAT IN NO CASES THE TOP OF THE EXTINGUISHER IS NOT MORE THAN 1500MM ABOVE THE FLOOR LEVEL OR THE CLEARANCE BETWEEN THE BOTTOM OF THE HAND PORTABLE FIRE EXTINGUISHER AND THE FLOOR BE LESS THAN 100MM.
  - SIGNS OR OTHER MEANS USED TO INDICATE FIRE EXTINGUISHER LOCATION SHALL BE LOCATED IN CLOSE PROXIMITY TO THE EXTINGUISHER AND SHALL BE VISIBLE FROM THE NORMAL PATH OF TRAVEL.
  - ALL FIRE EXTINGUISHER SIGNS TO BE PROVIDED WITH NIGHT GLOW.
  - CONTRACTOR TO ENSURE ALL EXTINGUISHERS SHOULD BE AS PER BIS 15683.
  - ALL EXTINGUISHER TO BE FLOOR MOUNTED AND PLACED WITH SS STAND.
  - STANDARD STICKER SIGNAGE FOR EXTINGUISHER LOCATION TO BE PLACED.



02 INDICATIVE FIRE DETECTION TUBE SUPPRESSION SYSTEM  
F301 NTS

T00	13.12.23	ISSUED FOR TENDER	ST	MB
REV	DATE	DESCRIPTION	DRN	CHK



PROJECT  
**BUDWEISER BAR**

T1 , IGI AIRPORT  
**DELHI**

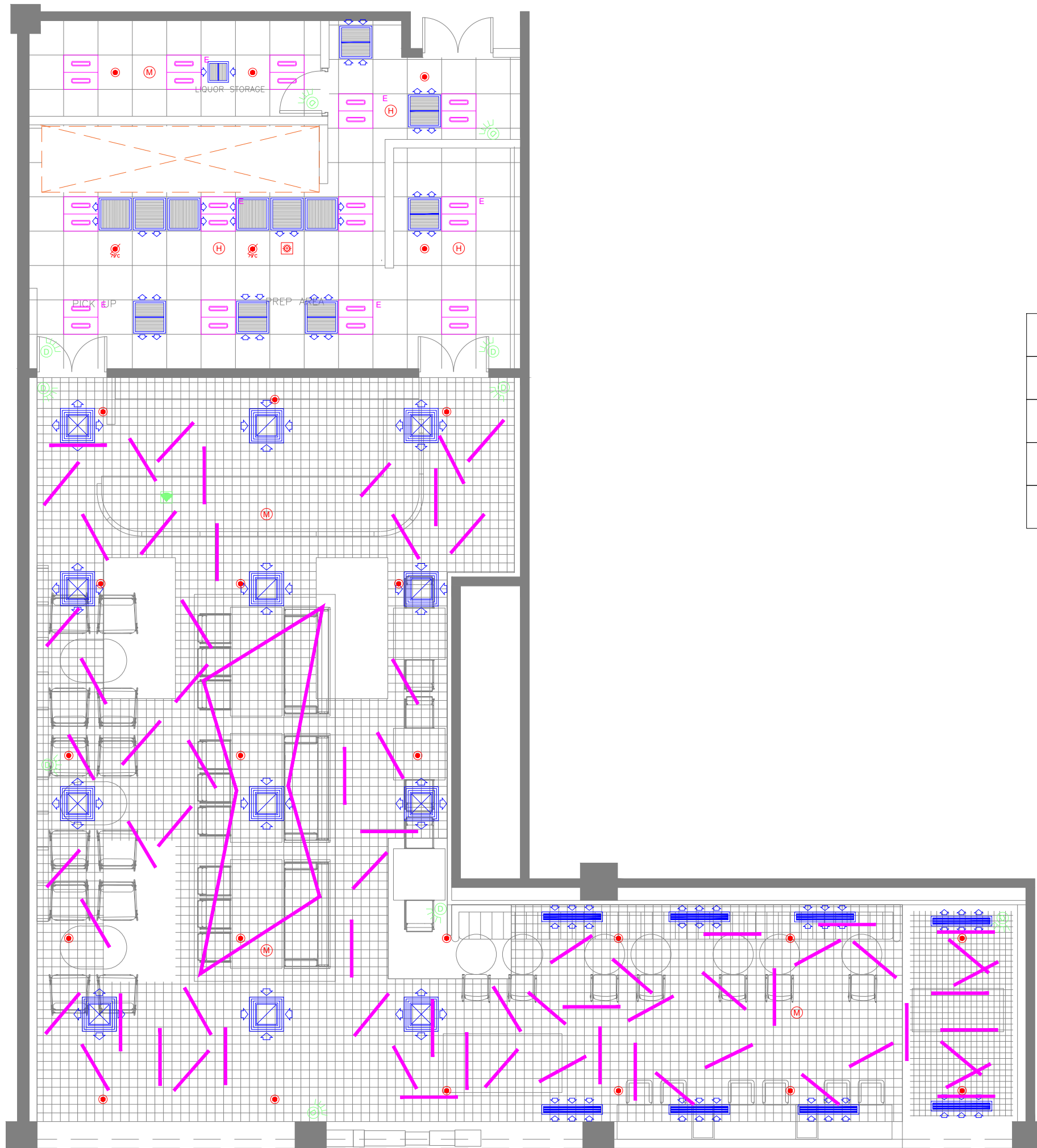
DRAWING TITLE  
**FIRE EXTINGUIHSHER LAYOUT**

SCALE	DATE	DRAWN	ST	A3 SHEET
1:75	13.12.23	ST		

STATUS  
**TENDER**





ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	0000	FIRE	F301	T00

01 FIRE EXTINGUIHSHER LAYOUT  
F301 1:75



ALL DIMENSIONS MUST BE CHECKED ON SITE  
INFORM THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION

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LEGENDS	
	ACMV
	LIGHTING
	CCTV & DATA
	FIRE

REV	DATE	DESCRIPTION	DRN	CHK
TOO	13.12.23	ISSUED FOR TENDER	MB	RR



PROJECT  
**BUDWEISER BAR  
T1 , IGI AIRPORT  
DELHI**

DRAWING TITLE  
**M&E COORDINATION LAYOUT**

SCALE 1:75    DATE 13.12.23    DRAWN MB    A3 SHEET

STATUS  
**TENDER**

ORG	PROJECT NO	DRAWING TYPE	NUMBER	REV
TFS	0000	COORDINATION	X101	T00