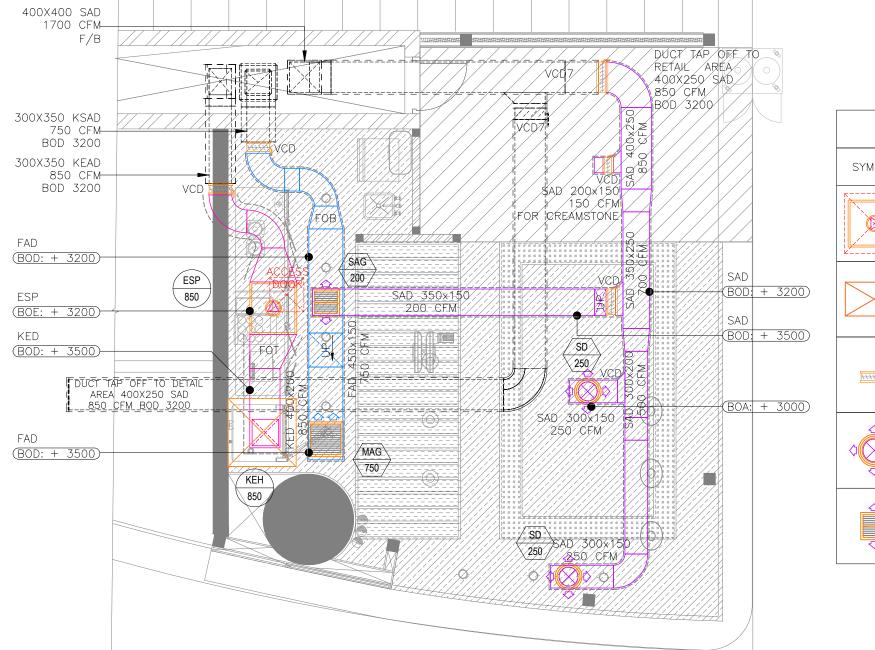
ALL DIMENSIONS MUST BE CHECKED ON SITE.
INFORM THE ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

NOTES:

RESPONSIBILITY THAT SHALL BE EXECUTED AND COMPLETED IN 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 MY OBLIGATION UNDER THE CONTRACT AND IN PARTICULAR FROM THE CONTRACT AND IN PARTICULAR FROM THE CONTRACT AND THE INSTALLATION MATERIALS AND WORKMANSHIP AND WHERE RELEVANT FROM A DUTY TO SEEK APPROVAL FROM THE COMPTENT AITHORITY. FROM THE COMPETENT AUTHORITY.



HVAC SYSTEM LEGEND									
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION						
	ELECTROSTATIC PRECIPITATOR — ESP WITH ACCESS DOOR	KSAD-RECT-DUCT	KITCHEN SUPPLY AIR DUCT WITH 19MM NITRILE RUBBER INSULATION — MUAD						
	KITCHEN EXHAUST HOOD — KEH	SA-RECT-DUCT	SUPPLY AIR DUCT WITH 19MM NITRILE RUBBER INSULATION — SAD						
<u> </u>	VOLUME CONTROL DAMPER — VCD	KED-RECT-DUCT	KITCHEN EXHAUST AIR DUCT WITH 80MM FIRE BOARD INSULATION — KED						
\$\hat{\infty}\$	SUPPLY AIR ROUND DIFFUSER WITH BUTTERFLY VALVE — SD	XT-RECT-DUCT	EXISTING AIR DUCT						
♦	SUPPLY AIR GRILLE — SAG 2 WAY GRILLE		MAKE UP AIR GRILLE — MAG 1 WAY GRILLE						

01 HVAC DUCTING LAYOUT

/							
		SERS					
	TAG	SERVICE	NECK SIZE (mm)	FACE SIZE (mm)	PATTERN	MATERIAL	REMARKS
	SD	SUPPLY	250mmø		4 WAY	ALUMINIUM	ROUND CEILING DIFFUSER
	SAG	RETURN	300×300		2 WAY	ALUMINIUM	SQUARE CEILING GRILLE — 30° DEFLECTION
	MAG	SUPPLY	400×400		1 WAY	ALUMINIUM	SQUARE CEILING GRILLE — 30° DEFLECTION

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

HVAC EQUIPMENT SCHEDULE							
TAG	EQP TYPE	COOLING CAPACITY (TR)	AIR FLOW (CFM)	WATER FLOW (GPM)			
ESP	DRY SCRUBBER		850				





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 EQUIPMENT SHOULD BE INTEGRATED WITH FIRE ALARM SYSTEM, SO THAT IT MAY GET SWITCHED OFF IN CASE OF ANY FIRE INCIDENT. FOR MORE DETAILS PLEASE CHECK FIRE ALARM
- ALL AIR TERMINALS SHOULD BE CONNECTED TO THE SUPPLY/EXTRACT AIR DUCTS THROUGH AN OPPOSED BLADE DAMPER (OBD).
- THE CONTRACTOR TO ENSURE THE INSTALLATION AND COMMISSIONING SHALL BE DONE AS PER AIRPORTOS 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 DOBS 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 INSULÀTION ON KITCHEN EXHAUST DUCTING SHALL BE 80 MM THICK ALUMINIUM FOIL-FACED RESIN-BONDED FIBRE GLASS WOOL OF DENSITY NOT LESS THAN
- THE CONTRACTOR TO ENSURE THERMAL INSULATION ON FRESH AIR, SUPPLY AIR AND RETURN AIR SHALL BE 19MM THICK CLOSED CELL ANTIMICROBIAL CLASS DOD 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 50 X 50 X 5 MM AND TIE ROD OF SIZE MINIMUM 10 MM DIA/ AS PER DUCT SIZE.
- APPROPRIATE NUMBER OF TRAP DOORS SHALL BE PROVIDED IN KITCHEN EXHAUST DUCTING FOR OIL/GREASE CLEANING PURPOSE.





FF-045

MILIIE COOKIES HYDERABAD AIRPORT

DRAWING TITLE

HVAC DUCTING LAYOUT

SCALE 1:50 DATE 19.02.24 DRAWN MB A3 SHEE STATUS

GOOD FOR CONSTRUCTION

PROJECT NO DRAWING TYPE NUMBER

TFS XXXX HVAC M101C01