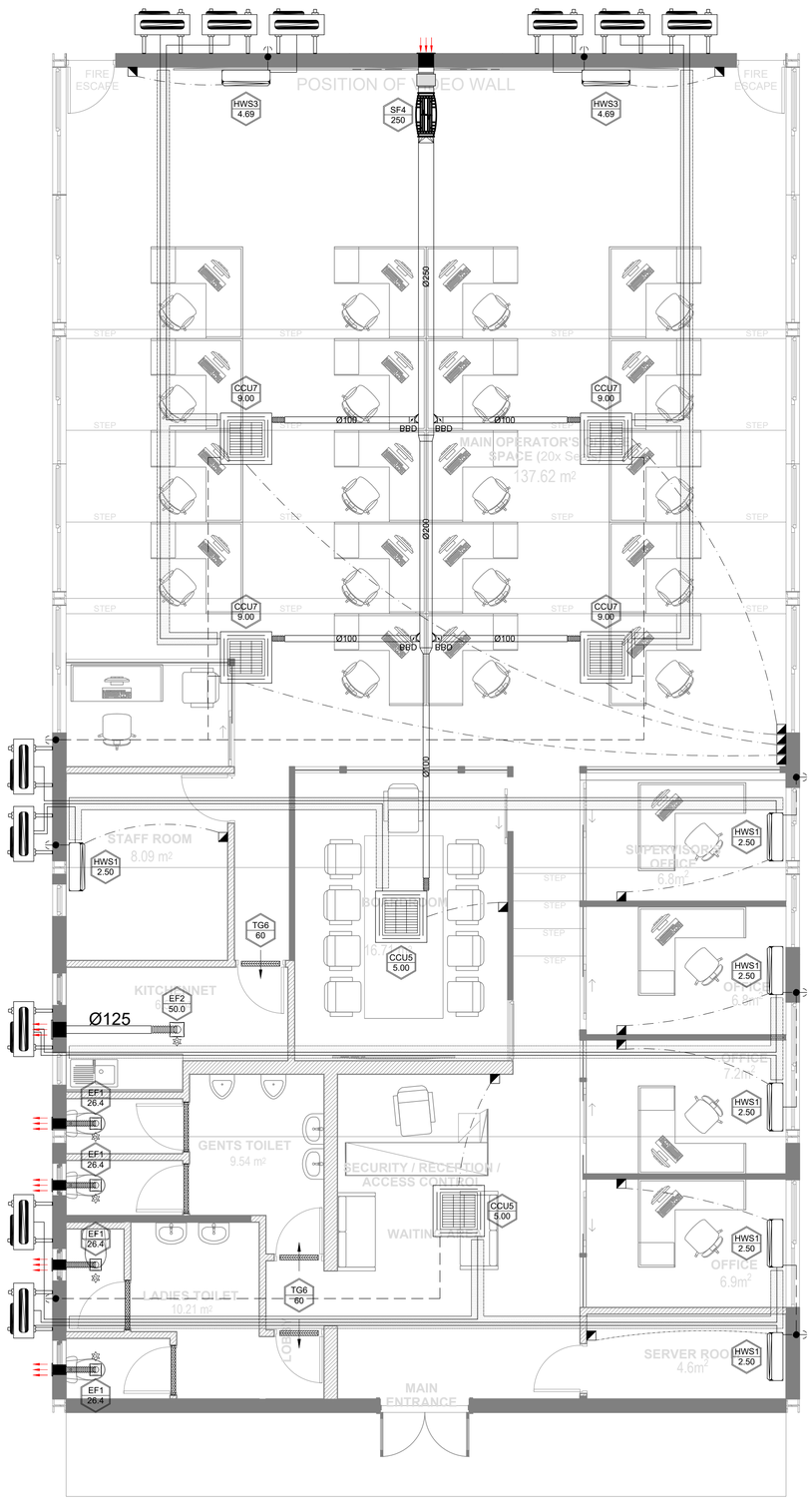


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AIR CONDITIONING SPECIFICATIONS

Code	Type	Model	Capacity (kW)		Flow Rate	Max. Noise	Power Source	Indoor Unit Width/Height/Depth	Outdoor Unit Width/Height/Depth	Qty.
			Cooling	Heating	(m³/min)	[db(A)]	Ph, #, V, Hz, kW	(mm)	(mm)	
	High Wall Split (HWS)									
1	High Wall Mounted Split A/C Units With Inverter As Samsung Or Equal	AR09TSHGAWK/FA	2.50	3.05	560m³/min	36/25.0	1Ph, 2, 220-240V, 50Hz, 0.83kW, 3.7A	790x275x200	782x540x320	6
2		AR12TSHGAWK/FA	3.05	3.30	560m³/min	36/22.5	1Ph, 2, 220-240V, 50Hz, 1.028kW, 4.6A	790x275x200	848x596x320	-
3		AR18TSHGAWK/FA	4.69	5.28	800m³/min	41/34	1Ph, 2, 220-240V, 50Hz, 1.65kW, 9A	970x300x224	899x596x378	2
4		AR24TSHGAWK/FA	6.45	6.75	1200m³/min	46/37	1Ph, 2, 220-240V, 50Hz, 2.01kW, 9A	1078x325x246	912x646x373	-
	Ceiling Cassette Units (CCU)									
5	4 Way Cassette Split A/C Units With Inverter As Samsung Or Equal	AC052MN4DKH/EU	5.00	6.00	15.0	33	1Ph, 2, 220-240V, 50Hz, 2.10kW	840x204x840	880x638x310	2
6		AC071MN4DKH/EU	7.10	8.00	19.5	36	1Ph, 2, 220-240V, 50Hz, 3.95kW	840x204x840	880x798x310	-
7		AC090MN4DKH/EU	9.00	10.00	30.0	43	1Ph, 2, 220-240V, 50Hz, 5.20kW	840x288x840	940x998x330	4
8		AC100MN4DKH/EU	10.00	11.20	31.0	44	1Ph, 2, 220-240V, 50Hz, 5.40kW	840x288x840	940x998x330	-
9		AC120MN4DKH/EU	12.00	13.00	32.0	45	1Ph, 2, 220-240V, 50Hz, 5.50kW	840x288x840	940x998x330	-
10		AC140MN4DKH/EU	13.40	15.50	32.0	45	1Ph, 2, 220-240V, 50Hz, 7.36kW	840x288x840	940x1210x330	-

VENTILATION SPECIFICATIONS

CODE	TYPE	MODEL	FLOW RATE (l/s)	MAX. NOISE(db(A))	POWER SOURCE Ph,V,Hz,kW, Amps	QTY.
	EXTRACT FAN (EF)					
1	Ceiling or Wall Mounted Extract Fan As S&P With Accessories (Ducting & Exterior Grille) or Equal	SILENT-100 Series	26.4	26.5	1Ph, 230V, 50Hz, 0.008kW	4
2		SILENT-200 Series	50.0	33	1Ph, 230V, 50Hz, 0.016kW	1
3		SILENT-300 Series	77.8	30	1Ph, 230V, 50Hz, 0.029kW	-
	SUPPLY FAN (SF)					
4	(SF)- TD Mixvent Series In-Line Fan With (Ancillaries) MFL Filtration Box, SA Wall Terminal, Run-on Timer & REB Speed Controller	TD 1000/250	250	49	1Ph, 220-240V, 50Hz, 0.118kW, 0.43A	1
5						
	Transfer Grille (TG)					
6	Trox Type AGS-T Transfer Grille Or Equal	(300X300)	30 - 120	-	-	3
7		(450X450)	120 - 300	-	-	-

AIR CONDITIONING & VENTILATION LEGEND

SYMBOL	DESCRIPTION
AB C	A = Extract Fan (EF) - Supply Fan (SF) / Transfer Grille (TG) - Extract Grille (EG) / High Wall Split (HWS) / Ceiling Mounted Cassette (CCU) / Smoke Extraction Fan (SEF) / B = CODE FOR ALL THE ABOVE / C = Airflow in l/s or Power in kW
	WALL MOUNTED UNIT (WMU)
	4 WAY CASSETTE AC UNIT
	OUTDOOR UNIT (ODU)
	REFRIGERATION PIPING
	DRAIN PIPING
	CONTROL WIRING
	RISER
	DROPPER
	CONTROLLER
	FLEXIBLE DUCT
	CONNECTED TO LIGHT CIRCUIT
	DOOR GRILLE
	DOOR UNDERCUT MIN. 150mm AFFL
	BRANCH BALANCING DAMPER (TO DUCT SIZE) (BBD)
	CEILING MOUNTED FAN
	INLINE DUCT MOUNTED FAN
	CABLE TRAY

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NOTES:

DEPT OF INFRASTRUCTURE, WATER & TECHNICAL SERVICES
DIVISION | ROADS & STORM WATER
CHIEF / SECTION ENGINEER — DATE APPROVED

DEPT OF INFRASTRUCTURE, WATER & TECHNICAL SERVICES
DIVISION | BULK WATER & WASTE WATER
CHIEF / SECTION ENGINEER — DATE APPROVED

DEPT OF INFRASTRUCTURE, WATER & TECHNICAL SERVICES
DIVISION | ENGINEERING SERVICES
CHIEF / SECTION ENGINEER — DATE APPROVED

DEPT OF URBAN PLANNING & PROPERTY MANAGEMENT
DIVISION | BUILDING CONTROL
BUILDING INSPECTOR — DATE APPROVED

DEPT OF COMMUNITY SERVICES
DIVISION | EMERGENCY MANAGEMENT | FIRE CONTROL
FIRE INSPECTOR — DATE APPROVED

DRAWING REVISIONS

NO	DESCRIPTION	DATE	ENG
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
B	APPROVAL SUBMISSION	27.08.2026	G.S.
A	APPROVAL SUBMISSION	27.07.2026	G.S.

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PROJECT TITLE:

ENGINEERING CONSULTANCY SERVICES TO MTC-RFQ-ANSL-10-2026

DRAWING TITLE:

PART 1: NETWORK OPERATIONS CENTRE (NOC) - HVAC INSTALLATION LAYOUT

DRAWING DISCIPLINE:		DRAWING STATUS:	
MECHANICAL		APPROVAL	
SURVEYED:	-	APPROVED FOR ZCE:	
DRAWN:	G.S.	NAME:	G.S.
DESIGNED:	G.S.	SIGNATURE:	
CHECKED:	G.S.	ECN REG NO:	IE2016-09
DRAWING SCALE: 1:50		BASE DATE	AUGUST 2026
DRAWING NUMBER:	P2607-HVAC-NOC-01		
REVISION:	A B - - - - - -		