

- ELECTRICAL NOTES:**
- (E1) - SINGLE PHASE ISOLATOR
 - (E2) - THREE PHASE ISOLATOR
 - (E3) - WEATHERPROOF SINGLE PHASE ISOLATOR
 - (E4) - WEATHERPROOF THREE PHASE ISOLATOR
 - (E5) - LOCKABLE WEATHERPROOF SINGLE PHASE ISOLATOR
 - (E6) - LOCKABLE WEATHERPROOF THREE PHASE ISOLATOR
 - (E7) - 5 AMP FUSED
 - (E8) - THREE PHASE SUPPLY CABLE BY ELECTRICAL SUB-CONTRACTOR

FLOOR NUMBER: HAT 0.01
 MECHANICAL EQUIPMENT TYPE NUMBER: HAT 0.01
 UNIQUE MECHANICAL EQUIPMENT IDENTIFICATION NUMBER

NECSA AREA 26 AIR TERMINALS

REFERENCE	PHYSICAL SIZE	SPRIGOT SIZE	QTY	TYPE
FAZ1	100x200	150	1	Fresh Air Drop Valve
FAZ2	100x200	150	1	Fresh Air Grille
FAZ3	100x200	150	4	Fresh Air Grille
FAZ4	100x200	150	1	Fresh Air Grille
FAZ5	100x200	150	2	Fresh Air Grille
FAZ6	100x200	150	1	Fresh Air Grille
OBSD1	100x200	150	4	Outdoor Return Damper
OBSD2	100x200	150	1	Outdoor Return Damper
WLT1	100x200	150	1	Fresh Air Weather Louvre
WLT2	100x200	150	1	Fresh Air Weather Louvre

NECSA AREA 26 MECHANICAL AIR UNITS

REFERENCE	ACTUAL COOLING	QTY	TYPE	Power Requirement
CC11.01	4.80 kW	1	CEILING CASSETTE	250-240V/50/60Hz
CC11.02	4.80 kW	1	CEILING CASSETTE	250-240V/50/60Hz
MW1.01	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.02	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.03	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.04	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.05	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.06	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.07	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.08	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.09	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.10	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.11	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.12	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.13	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.14	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.15	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.16	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.17	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.18	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.19	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.20	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.21	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.22	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.23	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.24	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz
MW1.25	3.40 kW	1	MIDWALL UNIT	250-240V/50/60Hz

NECSA AREA 26 DUCT ACCESSORIES

REFERENCE	SIZE	QTY	JH TYPE
BS1	200-100	1	Rectangular Bypass Damper
BS2	200-100	30	Rectangular Bypass Damper
BS3	600x300	1	Plenum Filter
BS4	600x300	1	Plenum Filter
BS5	600x300	2	Sound Absorber
BS6	600x300	2	Sound Absorber

NECSA AREA 26 MECHANICAL FANS

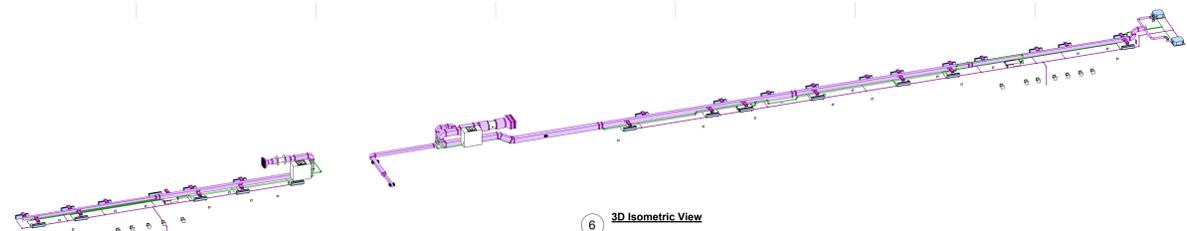
REFERENCE	Air Volume	Pressure	QTY	Type	Power Requirement
FAZ1.2.01	10000	20 Pa	1	Fresh Air Inlet Flow Fan	250-240V/50/60Hz
FAZ1.2.02	20000	20 Pa	1	Fresh Air Inlet Flow Fan	250-240V/50/60Hz
EF1.1.01	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF1.1.02	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.01	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.02	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.03	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.04	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.05	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.06	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.07	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.08	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.09	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.10	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.11	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.12	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.13	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.14	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.15	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.16	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.17	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.18	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.19	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz
EF2.1.20	5000	50 Pa	1	Wall Exhaust Fan	250-240V/50/60Hz

NECSA AREA 26 VRF UNITS

REFERENCE	ODU Cooling Capacity	Count	Type	Power Requirement
BC1	NA	1	Branch Controller	S.A Plug
BC2	NA	1	Branch Controller	S.A Plug
BC3	NA	1	Branch Controller	S.A Plug
ODU1	31.6kW	1	Outdoor Unit	250-240V/50/60Hz
ODU2	32.1kW	1	Outdoor Unit	250-240V/50/60Hz

All materials ducting velocities, sound pressure levels etc. in detailed Tender Documents

1 First Floor HVAC Layout
1:100



6 3D Isometric View

ISSUED FOR TENDER

No.	Description	Date
A	ISSUED FOR TENDER	2025-05-30

Client:

Consultant:

Project Title: **NECSA - AREA 26**

Drawing Title: **AREA 26 FIRST FLOOR HVAC LAYOUT**

Accepted by:

Designed by: **SM** Drawn by: **SM** Approved by: **WS**

Drawing Discipline: **MEC-T-HVAC -100** Plot Date: **2025-05-30** Scale: **As Indicated**

Drawing no: **P2304** Project no: **P2304** Revision: **A**