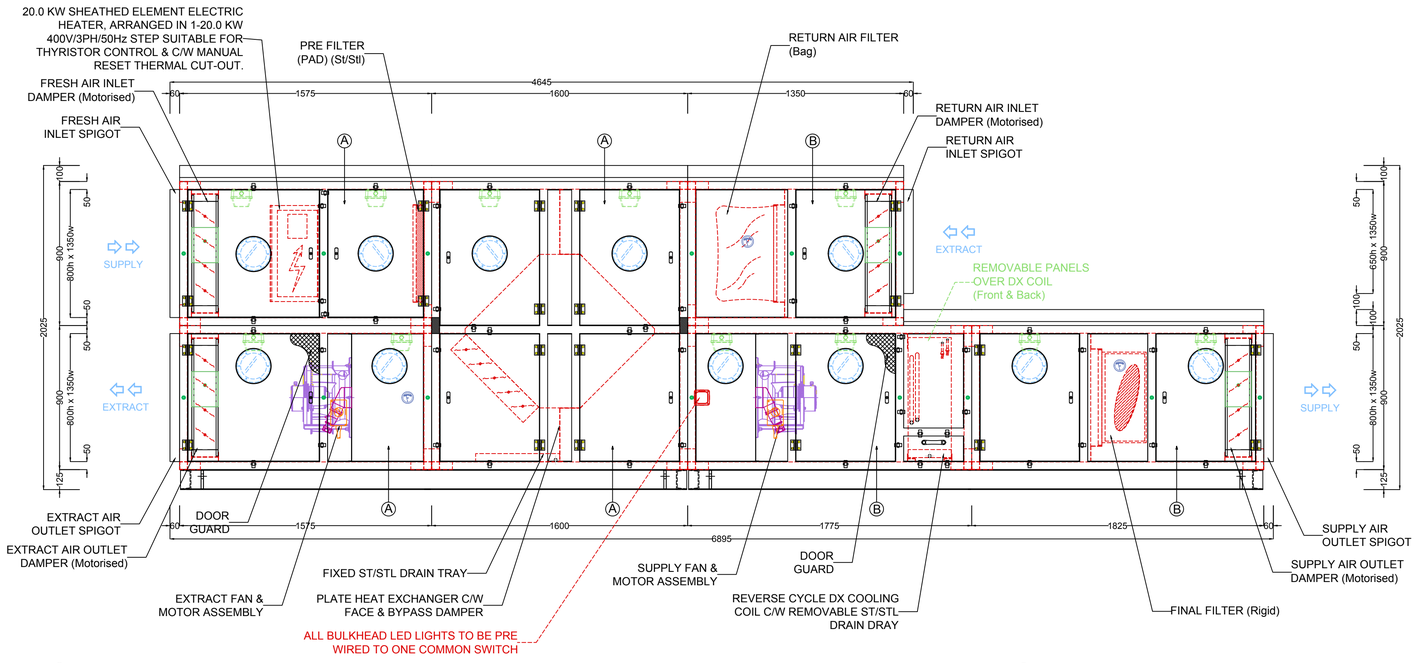
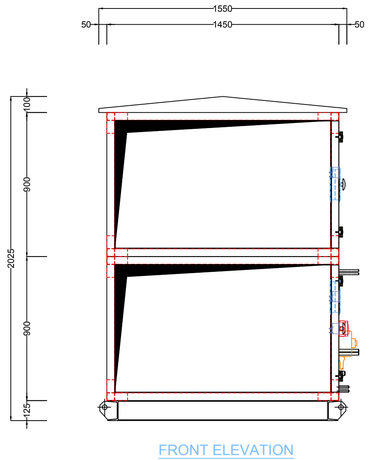
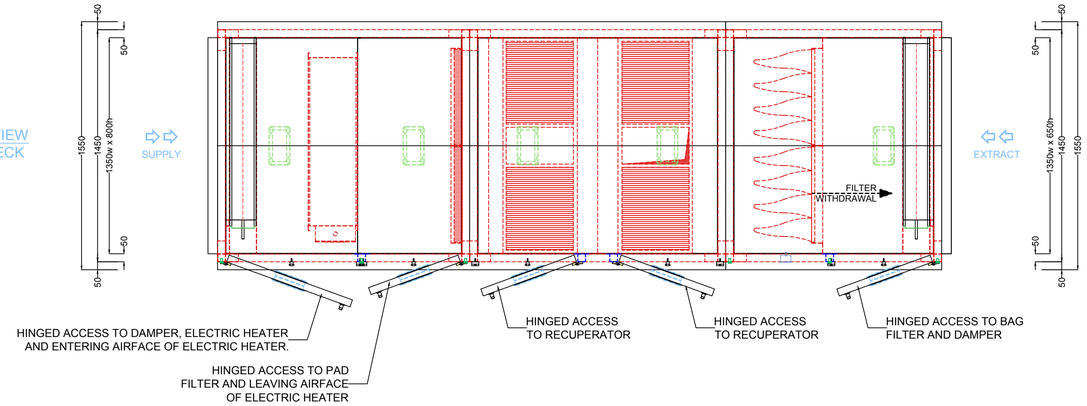
DO NOT SCALE | * ALL DIMENSIONS ARE SHOWN IN MILLIMETRES * | INDIVIDUAL DIMENSIONS ARE NOMINAL SUBJECT TO TOLERANCE ± 2mm, (Excluding overall sizes). | PANEL CONSTRUCTION - 50mm THICK DOUBLE SKIN CONSTRUCTION | IF IN DOUBT, ASK.

RIGHT SIDE ELEVATION

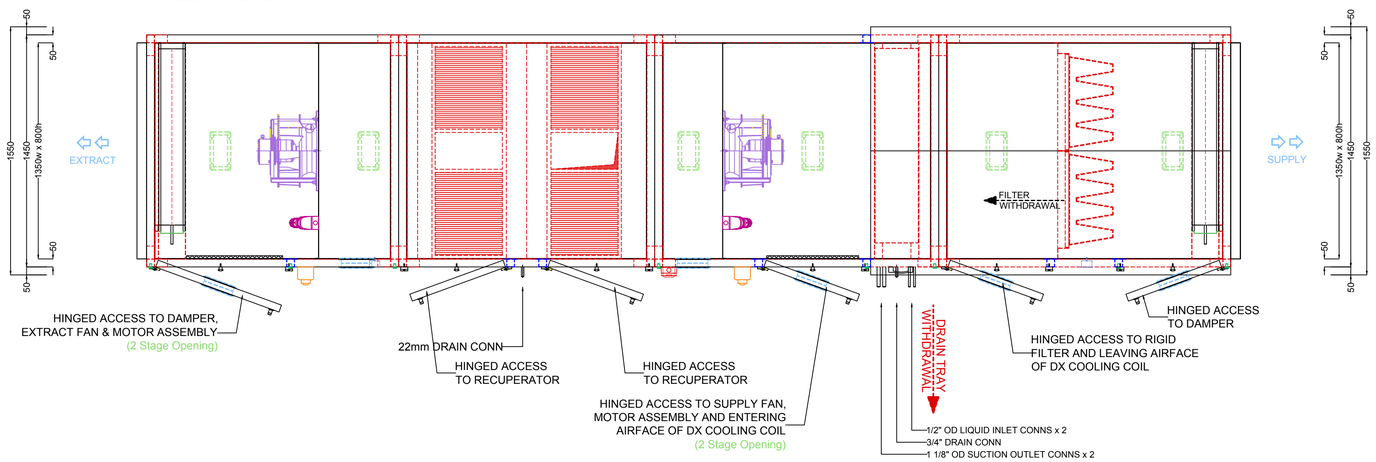




PLAN VIEW TOP DECK



PLAN VIEW BOTTOM DECK



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GENERAL NOTES:

1. UNIT FRAMES TO BE MANUFACTURED IN SELF FINISHED ANODISED ALUMINIUM.
2. UNIT PANELS TO BE MANUFACTURED USING PLASTISOL STEEL, COLOUR GOOSEWING GREY. (SHADE 10A05).
3. UNIT ROOF TO BE MANUFACTURED USING PLASTISOL STEEL, COLOUR GOOSEWING GREY. (SHADE 10A05).
4. ALL SECTION INNERSKINS TO BE MANUFACTURED USING PLASTISOL STEEL, COLOUR WHITE (SHADE 00E55).
5. DWYER MINHELIC GAUGES TO BE FITTED ACROSS FILTER BANKS. (1 @ 0-250 Pa & 2 @ 0-500 Pa).
6. ALL DAMPERS TO BE SUITABLE FOR MOTORISED OPERATION.
7. UNIT TO BE SUPPLIED WITH 100% SPARE FILTERS.
8. UNIT TO BE SUPPLIED WITH ONE SPARE FAN & FITTED PLUG COMMON TO BOTH SUPPLY AND EXTRACT.
9. MOTORS TO BE PRE WIRED TO ISOLATION SWITCHES (DOL). (2 OFF)
10. ALL FIXED PANELS TO BE RIVITED INTERNALLY.
11. TRAFFOLYTE LABELS TO BE FITTED ACROSS ALL COMPONENTS.
12. 10mm Dia. METAL TEST POINTS FITTED.
13. HTM 03-01 / CO4 HOSPITAL SPECIFICATION - FULL SPEC.

SHIPPING SPECIFICATION: -

(All weights & dimensions approximate). Overall dimensions shown below include protuding components such as coil conns.

UNIT TO BE DELIVERED IN THE FOLLOWING SECTION(S):-

SECTION(S)	HEIGHT	WIDTH	LENGTH	WEIGHT (KG's)
A	2025	1625	3235	1080
B	2025	1625	3660	1010

UNIT TOTAL WEIGHT = 2090 KGS

100% SPARE FILTERS. ONE SPARE FAN & FITTED PLUG COMMON TO BOTH SUPPLY & EXTRACT.

BAG OF NUTS & BOLTS TO BE SUPPLIED IN FAN SECTION FOR BOLTING UP PURPOSES.

RECUPERATOR DETAILS:

SUPPLY AIR SIDE:	
DUTY	= 24.77 KW
COLDSIDE ENTERING	= 5.0 °C DB
COLDSIDE LEAVING	= 21.4 °C DB
EXTRACT AIR SIDE:	
DUTY	= 24.77 KW
WARMSIDE ENTERING	= 25.0 °C DB
WARMSIDE LEAVING	= 11.9 °C DB
EFFICIENCY	= 81.9 %

In-Duct Sound Spectrum PWL (dB re10-12 Watts)

	Hz	63	125	250	500	1K	2K	4K	8K
Extract Fan Inlet	dB	72	74	80	75	69	67	62	56
Extract Fan Disch	dB	74	75	81	77	78	75	69	63
Supply Fan Inlet	dB	77	79	85	80	74	72	67	61
Supply Fan Disch	dB	79	80	86	82	83	80	74	68

UNIT:	SUPPLY	EXTRACT
DESIGN DUTY:	1.25 m3/sec	1.25 m3/sec
Ext resistance:	300 Pa	300 Pa
FAN:	PFP A3-0400-3F	PFP A3-0400-3F
Type:	B/C	B/C
MOTOR DETAILS:		
Type:	EC Motor	EC Motor
Rating:	2.8 KW	2.8 KW
Frame Size:		
Polarity:		
F.L.C:	4.2 Amps	4.2 Amps
SC. D.O.L.:	Via Inverter	Via Inverter
SC.Y.Δ:		
Supply:	400/3/50	400/3/50
FAN DRIVE:		
Fan Speed:	2235 RPM	1828 RPM
Motor Speed:	2235 RPM	1828 RPM
Limited Speed Imposed by Motor	2485 RPM	2485 RPM
PRE-FILTERS:		
Filter Type:	Pad Filter	Bag Filter
Size:	595 x 595 x 50	595 x 595 x 380
No. Off:	2 OFF	2 OFF
Size:		
No. Off:		
Efficiency:	ISO 16890 Coarse 70%	ISO 16890 ePM2.5 70%
SECONDARY FILTERS:		
Filter Type:	N/A	N/A
Size:		
No. Off:		
Size:		
No. Off:		
Efficiency:		
FINAL FILTERS:		
Filter Type:	Rigid Filter	N/A
Size:	595 x 595 x 300	
No. Off:	2 OFF	
Size:		
No. Off		
Efficiency:	ISO 16890 ePM1 70%	
A.V.M.s:		
Type:		N/A
Colour:		
No. Off:		
Colour:		
No. Off:		

COIL DETAILS:	DX COOLING COIL		CONDENSER COIL
Air Inlet db/wb:	30.0/21.9 °C		12.0 °C
Air Outlet db/wb:	11.0/10.8 °C		38.6 °C
Medium Quantity:	N/A		N/A
Duty:	49.0 KW		42.8 KW
Medium Pressure Drop:	N/A		N/A
Medium Inlet Temperature:	N/A	Condensing Temperature:	40.0 °C
Medium Outlet Temperature:	N/A		N/A
Refrigerant:	R 410 A		R 410 A
Evaporating Temp:	6.0 °C		N/A
Internal Volume:	16.6 litres		16.6 litres

PROJECT: South Tynside Hospital

REFERENCE: Supply & Extract AHU

DESCRIPTION: External AHU 900H x 1450W

Air Handling Equipment Limited.,
23 Cotton Street,
Liverpool, L3 7DY.
Tel: 0151-236 3923
Fax: 0151-236 2910
British Made
Certificate Number C0655

Drawn:	Date:	Checked:	Date:	Scale:
M.STANLEY	08.09.21			NTS

DRAWING No. GA7573-UA1522-01 REV: