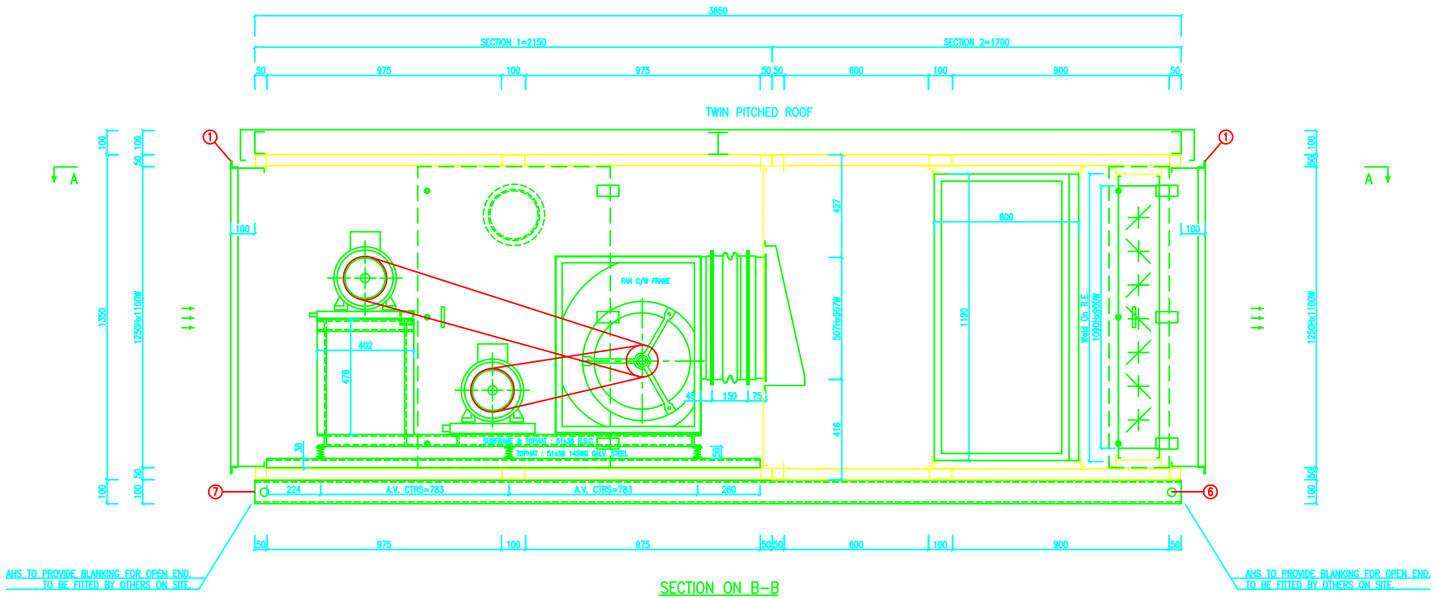
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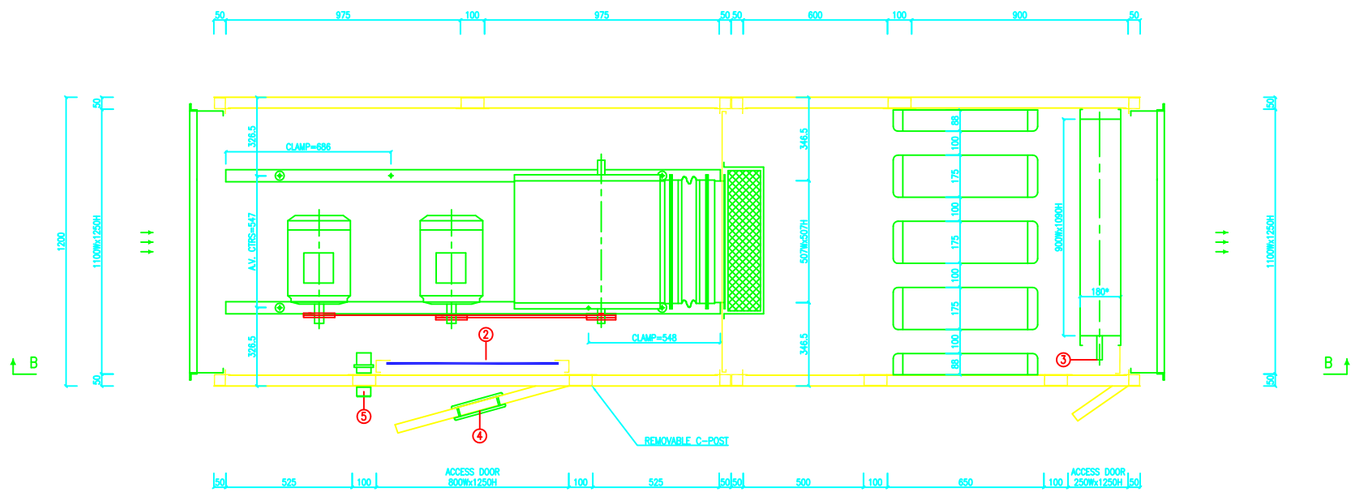
①	AHU CONNECTION MANUFACTURED FROM 30mm MEZ.
②	WIREMESH DOOR GUARD.
③	AIR TIGHT SHUT OFF DAMPER MOTORISED BY OTHERS.
④	DOUBLE GLAZED Ø215mm VIEWING WINDOW. KIT PART No. OBP35PORTH
⑤	BULKHEAD LIGHT PREWIRED TO AN EXTERNAL IP 66 SWITCH. INSTALLATION TO COMPLY WITH BS7671 IEE REGULATIONS. KIT PART No. : LIGHT-2
⑥	Ø35mm SHACKLE LIFTING POINT.
⑦	BASE MANUFACTURED FROM 100x50MM R.S.C TOE FACING INWARDS, SHOT BLASTED & PRIMER PAINTED.

Additional Notes :

A	AHU FRAMEWORK (UNLESS STATED OTHERWISE) TO BE MANUFACTURED FROM 16SWG GALV. STEEL PENTAPOST CONSTRUCTION & INSULATED WITH 50mm ROCKWOOL.
B	AHU FIXED PANELS AND ACCESS DOORS TO BE 50mm NOMINAL THICK AND MANUFACTURED FROM 22SWG GALV. STEEL INNER & PLASTISOL OUTER. ALL FIXED PANELS TO BE SECURED WITH DRILL SCREWS EXTERNAL TO AHU.
C	HINGED TYPE ACCESS DOORS TO BE FITTED WITH ONE HANDLE, THREE HINGES & THREE CATCHES.
D	AHU TO BE MANUFCTURED IN ACCORDANCE WITH HEVAC DW144 CLASS B : 1000Pa.
E	AHU PAINT FINISH CODE : NCP/S2.
F	SPECIFIC FAN POWER : 1.2w/l/s



SECTION ON B-B



SECTION ON A-A

Supply Specification Notes :

UNIT WEIGHT AND FINISH

FRAME : BS 10 A 05 GOOSEWING GREY PAINTED.
PANELS : BS 10 A 05 GOOSEWING GREY PLASTISOL - FOAM FILLED.

UNIT SUPPLIED TO SITE IN ONE SECTION.

UNIT APPROX. TOTAL WEIGHT 972KGS

FAN SECTION

TYPE	:EXTRACT		EXT. STATIC PRESS.	:500	Pa
AIR VOLUME	:3.3	m³/s	TOT. STATIC PRESS.	:553	Pa
FAN SIZE	:NTH240DR		MOTOR POWER	:5.5	kW
BLADE TYPE	:BACKWARD		MOTOR SPEED	:1450	R.P.M.
FAN SPEED	:1968	R.P.M.	FRAME SIZE	:132M4B	
ABSORBED POWER	:3.35	kW	FULL LOAD CURRENT	:11.0	Amps
OUTLET VELOCITY	:12.8	m/s	STARTING CURRENT	:-	
EFFICIENCY	:64.3	%	METHOD OF START	:INVERTER	
			ELECTRICAL SUPPLY	:415V 3Ph 50Hz	

SOUND SPECTRUM	63	125	250	500	1K	2K	4K	8K	(Hz)
FAN INLET	84	80	83	88	82	82	77	71	(dB)
FAN OUTLET	83	82	82	86	83	81	76	67	(dB)

SUBFRAME DRG. NO. :DDW400-132-C-R

DRIVE SPECIFICATION DETAIL

FAN PULLEY SIZE	:132 x 2 SPZ	MOTOR PULLEY SIZE	:180 x 2 SPZ
FAN BUSH SIZE	:1610 x 30mm	MOTOR BUSH SIZE	:2012 x 38mm
BELT SIZE / TYPE	:2 @ 1700 SPZ	DRIVE CENTRES	:604 mm

DRIVE SPECIFICATION DETAIL FOR STANDBY MOTOR

FAN PULLEY SIZE	:132 x 2 SPZ	MOTOR PULLEY SIZE	:180 x 2 SPZ
FAN BUSH SIZE	:1610 x 30mm	MOTOR BUSH SIZE	:2012 x 38mm
BELT SIZE / TYPE	:2 @ 2240 SPZ	DRIVE CENTRES	:674 mm

ATTENUATOR SECTION

TYPE	:UNIT MOUNTED		MELINEX LINED		:NO				
INSERTION LOSS	63	125	250	500	1K	2K	4K	8K	(Hz)
	3	7	11	17	29	25	21	14	(dB)

Rev	Description	Date
R1	FAN MOTORS NOW ARRANGED FOR ACCESS FROM ONE SIDE.	05/07/13

Client: CLEAN ROOM CONSTRUCTION LTD

Project: QIAGEN MANCHERSTER

Unit Reference: EXTRACT AHU

Date: 03-07-13 | Scale: N.T.S. | Drn: S.Y.

AIR HANDLING SYSTEMS LTD.
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Drawing Number: 2070-12076-2 R1

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A.H.S. Reference No: 12076