

CHANGE OF USE & EXTERNAL ALTERATIONS SUBJECT TO SEPARATE PLANNING APPLICATION (REF: PP-13166674)



RZA200D / RZA250D

B-32 BLUEEVOLUTION

Outdoor Units		RZA200D		RZA250D	
Capacity	Nominal Cooling	kW	19.0		22
	Nominal Heating	kW	22.4		24
SEER η		%	262		245
	SCOP η	%	165		170
Dimensions	Height	mm	870		870
	Width	mm	1100		1100
	Depth	mm	460		460
Weight		kg	117		117
			3ph		3ph
Electrical Details	Power Supply			Refer to data book	
	Running Current	A			
	Starting Current	A			
Interconnection Wiring	Max Fuse Size	A		Refer to data book	
	Core / Cable size		3+E / 1.5		
	Piping Connections	Liquid / Gas	3/8 (9.5) / 7/8 (22.2)		
Pipework	Maximum Length	m	100		100
	Maximum Vertical Rise	m	30		30
	Precharged to	m	30		30
	Additional Charge	g/m		Refer to Installation Manual	
	Holding Charge	kg	5.00		
Refrigerant type			R32		R32
	Sound Pressure (Cooling) Nominal	dBA	53		57
	Sound Pressure (Heating) Nominal	dBA	60		63
	Sound Power	dBA	73		76



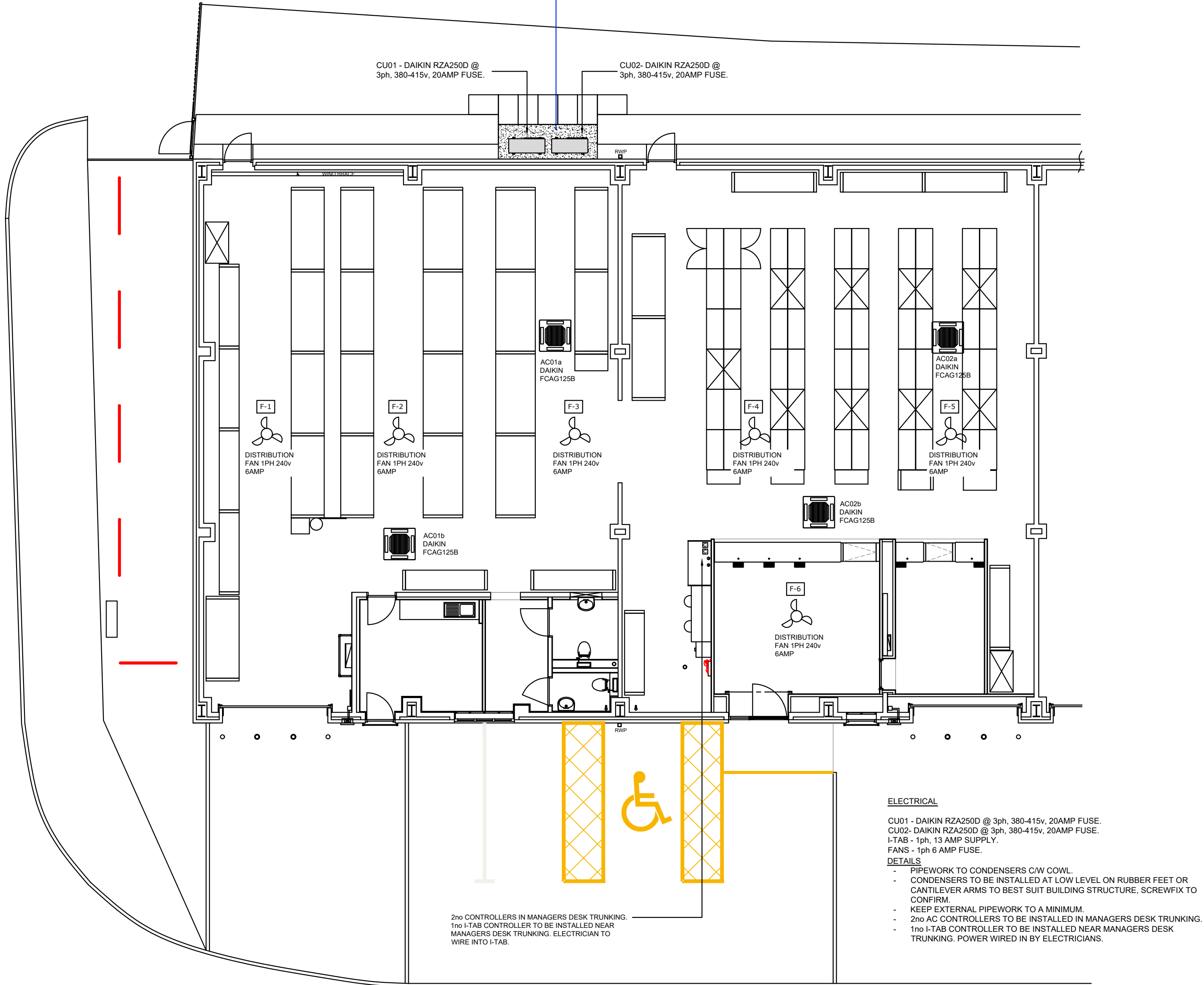
FCAG-B / RZASG-M

B-32 BLUEEVOLUTION

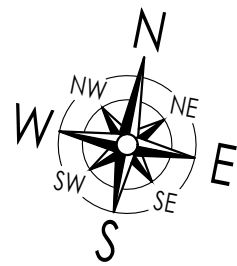
Indoor Units		Single Phase				3 Phase	
		FCAG71B	FCAG100B	FCAG125B	FCAG140B	FCAG100B	FCAG140B
Capacity	UK Total Cooling	kW	7.75	10.80	13.60	14.90	14.90
	UK Sensible Cooling	kW	5.32	7.44	9.30	10.25	10.25
	Nominal Cooling	kW	6.8	9.5	12.1	13.4	13.4
	Nominal Heating	kW	7.5	10.8	13.5	15.5	15.5
	Energy Label	A++	A++	-	-	A++	-
Seasonal Efficiency (EN14825) COOLING	Pdesign	kW	6.8	9.5	12.1	13.4	13.4
	SEER		6.47	6.55	6.53	6.58	6.53
	Annual Energy Consumption	kWh	358	507	1231	507	1231
	Energy Label	A++	A++	-	-	A++	-
Seasonal Efficiency (EN14825) HEATING	Pdesign	kW	4.5	6.0	6.0	7.8	6.0
	SCOP		4.01	4.17	4.05	4.31	4.05
	Annual Energy Consumption	kWh	1575	2016	2074	2534	2016
	Energy Label	A++	A++	-	-	A++	-
Nominal Efficiency	EER/SCOP		3.14/3.74	3.26/4.50	2.44/4.28	2.75/3.73	2.44/4.28
	Annual Energy Consumption	kWh	1575	2016	2074	2534	2016
Air Flow Rate (Cooling)	High / Nom / Low	m³/sec	0.255/0.209/0.155	0.380/0.293/0.206	0.433/0.320/0.206	0.380/0.293/0.206	0.433/0.320/0.206
	Dimensions	Height	mm	204 (264)	246 (306)	246 (306)	246 (306)
	(with Decoration Panel)	Width	mm	840 (950)	840 (950)	840 (950)	840 (950)
		Depth	mm	840 (950)	840 (950)	840 (950)	840 (950)
Weight (with Decoration Panel)		kg	21 (26.4)	24 (29.4)	24 (29.4)	24 (29.4)	24 (29.4)
	Sound Pressure (Cooling) High / Nom / Low	dBA	35/31/28	37/33/29	41/35/29	37/33/29	41/35/29
Sound Pressure (Heating)	High / Nom / Low	dBA	35/31/28	37/33/29	41/35/29	37/33/29	41/35/29
	Sound Power (Cooling)	dBA	51	54	58	54	58

Outdoor Units		RZASG71MV1	RZASG100MV1	RZASG125MV1	RZASG140MV1	RZASG100MY1	RZASG125MY1	RZASG140MY1
Dimensions	Height x Width x Depth	mm	770 x 900 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320	990 x 940 x 320
	Weight	kg	60	70	78	70	70	77
Electrical Details	Power Supply	1ph	1ph	1ph	1ph	3ph	3ph	3ph
	Maximum Input Current (MCA) A	17.4	21.5	27.8	27.8	14.2	14.6	14.6
	Max Fuse Size	20	25	32	32	16	16	16
Interconnection Wiring	Core / Cable Size	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5	3+E / 1.5
	Piping Connections	Liquid / Gas	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)	3/8 (9.5) / 5/8 (15.9)
Pipework	Maximum Length	m	50	50	50	50	50	50
	Maximum Vertical Rise	m	30	30	30	30	30	30
	Precharged to	m	30	30	30	30	30	30
	Additional Charge	g/m		Refer to Installation Manual			Refer to Installation Manual	
	Holding charge	kg	2.45	2.60	2.60	2.60	2.60	2.60
Sound Pressure (Cooling)	Nom / Night Quiet	dBA	46/42	53/44	53/44	53/44	53/44	54/44
	Sound Pressure (Heating) Nom / Night Quiet	dBA	47/42	57/44	57/44	57/44	57/44	57/44
Sound Power (Cooling)		dBA	65	70	71	73	71	73
	Operating Range (Cooling) Min / Max	°CDB	-15/-46	-15/-46	-15/-46	-15/-46	-15/-46	-15/-46
Operating Range (Heating)	Min / Max	°CWB	-15/-15.5	-15/-15.5	-15/-15.5	-15/-15.5	-15/-15.5	-15/-15.5
	Air Flow Rate (Cooling)	m³/sec	0.093	1.150	1.183	1.266	1.150	1.266
ECA Eligible					*			*

- ASHP WORKS
- ASHP contractor to supply & install 2No external condenser units c/w drip trays.
 - Units to be installed at low level, with the condensate running into new gravel soak-away.
 - Allow for new cowl to any new pipework/cabling as required.
 - Gravel soak-away 3000x1050 formed to suit existing flag stones. Depth of soak-away approx. 200mm± down to soil.



- ELECTRICAL
- CU01 - DAIKIN RZA250D @ 3ph, 380-415v, 20AMP FUSE
 - CU02 - DAIKIN RZA250D @ 3ph, 380-415v, 20AMP FUSE
 - I-TAB - 1ph, 13 AMP SUPPLY
 - FANS - 1ph 6 AMP FUSE
 - DETAILS
 - PIPEWORK TO CONDENSERS C/W COWL
 - CONDENSERS TO BE INSTALLED AT LOW LEVEL ON RUBBER FEET OR CANTILEVER ARMS TO BEST SUIT BUILDING STRUCTURE. SCREWFIX TO CONFIRM.
 - KEEP EXTERNAL PIPEWORK TO A MINIMUM
 - 2No AC CONTROLLERS TO BE INSTALLED IN MANAGERS DESK TRUNKING
 - 1No I-TAB CONTROLLER TO BE INSTALLED NEAR MANAGERS DESK TRUNKING. POWER WIRED IN BY ELECTRICIANS

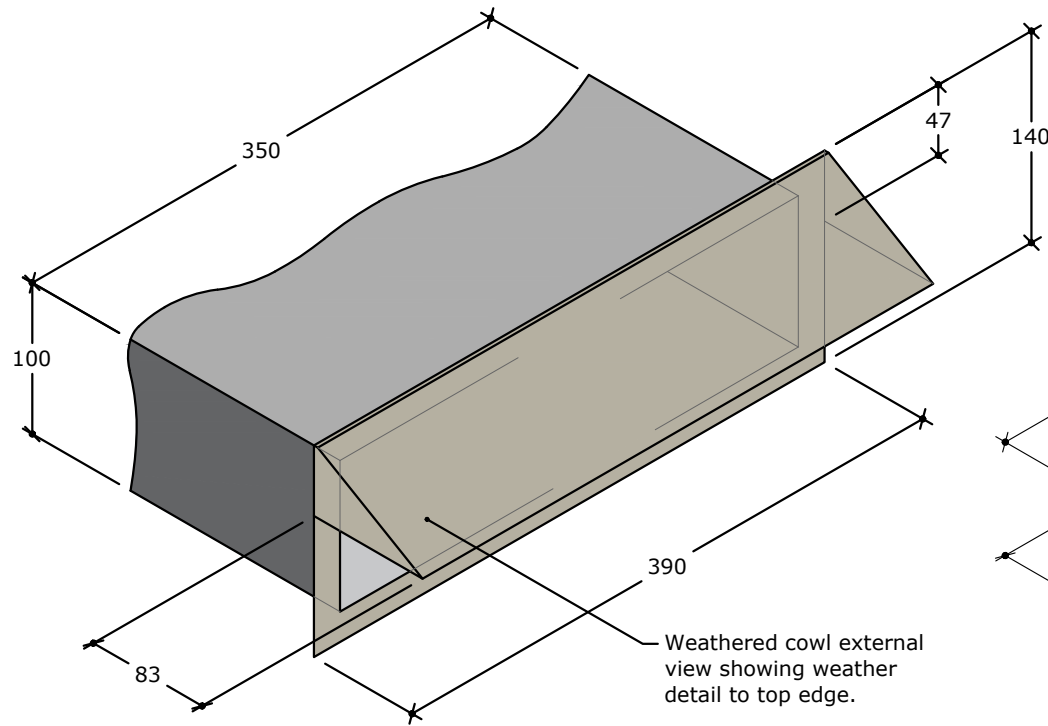


PROPOSED GROUND FLOOR PLAN
SCALE 1:100

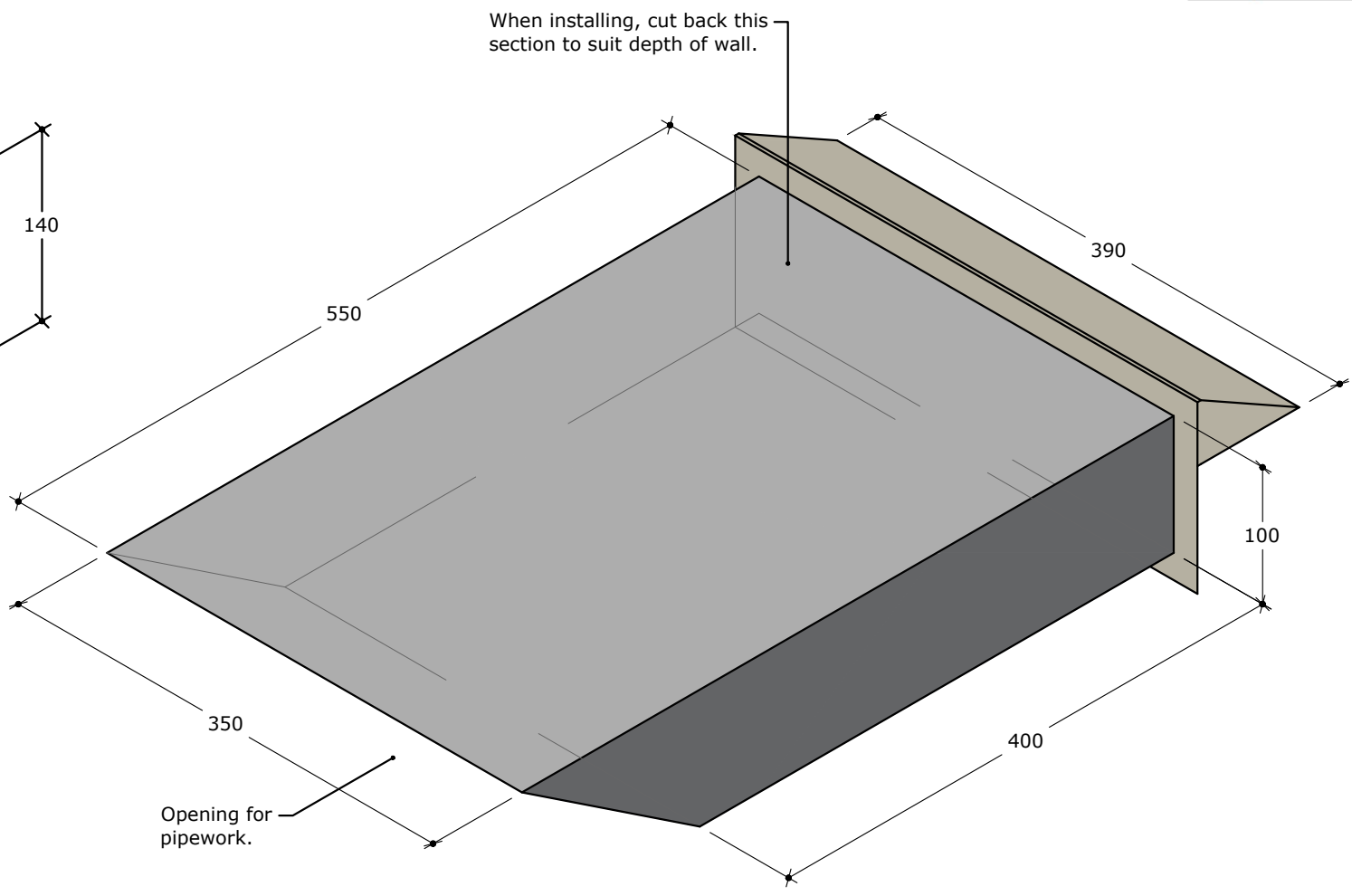
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PHOTO OF TYPICAL LOW LEVEL FLOOR MOUNTED AIR SOURCE HEAT PUMPS
NOT TO SCALE



EXTERNAL VIEW



INTERNAL VIEW

WEATHERED COWL DETAIL - TO BE USED FOR SURFACE MOUNTING IN A CORRUGATED WALL E.G. CLADDING
SCALE 1:5

EQUIPMENT SCHEDULE							
NO		TYPE	MODEL	PIPE SIZES (Ømm)		DIMENSIONS H x W x D	VOLTAGE
				LIQUID	GAS		
CU01 CU02		AIR SOURCE HEAT PUMP (2 No.)	DAIKIN RZA250D	9.52	22.2	870 x 1100 x 460mm	380-415v (3 PHASE)
AC-01A AC-02A AC-02B		CASSETTE (4No)	DAIKIN FCAG125B	9.52	15.9	840 x 840 (950 x 950)	220-240v (1 PHASE)
F1-F6		DESTRAT FAN	MODEL: HL90			900mm DIAMETER	220-240v (1 PHASE)

REV DESCRIPTION BY DATE

Drawing status:-

PLANNING DRAWING

Client:-

SCREWFIX

Project:-

ASHP INSTALLATION

Address:-

Units 1 & 2 Sedgely Park
Trading Estate
Prestwich M25 9WD

Title:-

PROPOSED
PLAN LAYOUT

DWG No.

10715-104-03

Date Created

01/11/2023

Revision

-

Drawn By

Checked By

Scale

Sheet Size

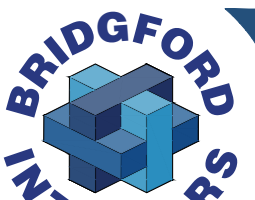
MPA

BIL

As Noted

A1

Please note: - No alterations may be made to the method of manufacture, materials specified & dimensions shown on this drawing without prior consultation with BIL cad dept. Any products specified on this drawing MUST be used in accordance with the manufacturers specification. Should any costs be incurred due to unconfirmed alterations the manufacturer may be liable.



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