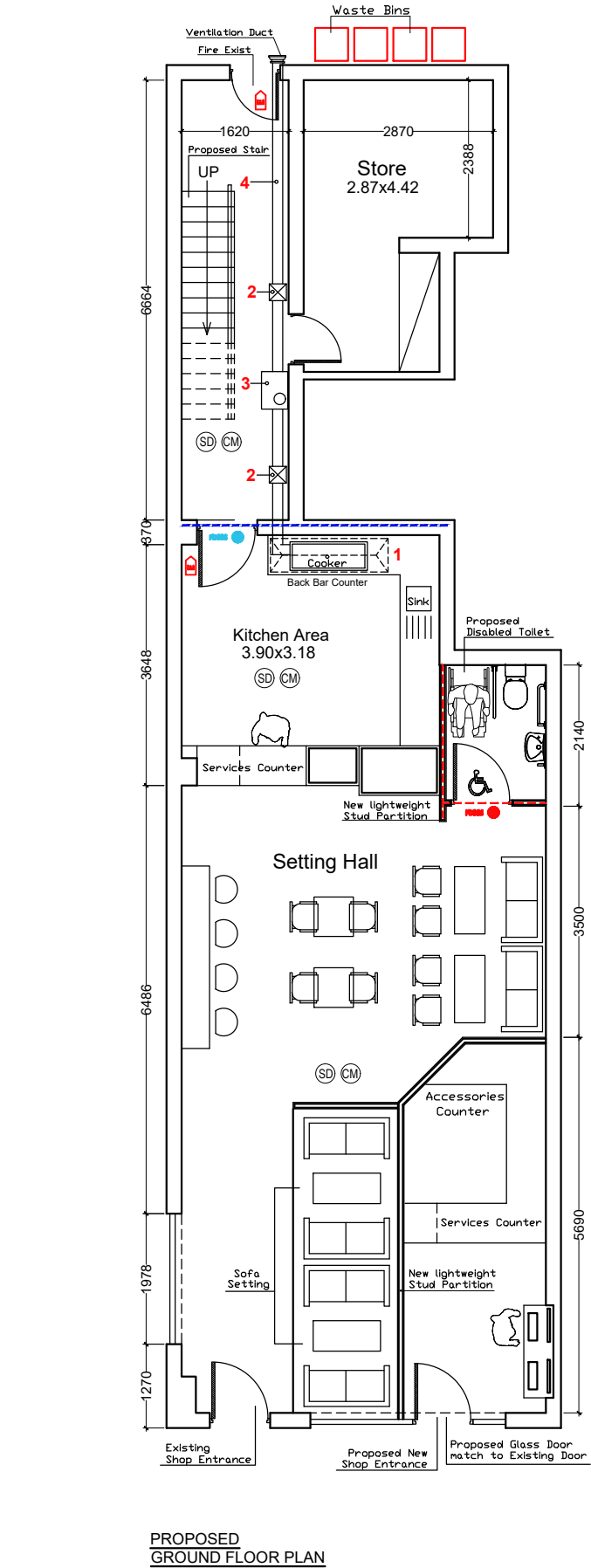




PROPOSED EXTRACTION PLANS
SCALE 1:100

Extraction Specification

1. Canopy - Primus wall mounted extract canopy. Full area horizontal ceiling plate fixed to the outer valance casing - central extract grille - extract duct spigol.
2. In-line acoustic silencer - SCD4500 IDENP - refer Silencer Date Sheet.pdf
3. Extractor fan - ZSC450-4-1 Single phase 0.75 kw motor - cased axial type 1350rpm - refer Extractor Fan Specification.pdf
4. All extraction ducts between plant - spiral wound steel ductwork fabricated to conform to DW/172 and DW/144
5. External termination louvre grille - refer to CVWL weather louvre specification.pdf attached

General Notes:

All duct work and plant to be mounted on anti-vibration brackets and ancillary kits for the fan. Electronic speed controller. Standard speed setting to be between 1 and 2 thirds of full capability

- Proposed wall
- 60 minute fire resisting wall
- 30 minute fire resisting wall
- 60 minute certified doorset
- 30 minute certified doorset
- emergency exit signage

Silencer Data - SINGLE Phase

Product Code	dBA Attenuation		ΔP (Pa) 1DEP	dBA Attenuation		ΔP (Pa) 2DEP
	1DENP	1DEP		2DENP	2DEP	
SCD250/4-1	-9	-12	7	-14	-18	11
SCD315/4-1	-9	-13	10	-15	-19	15
SCD350/4-1	-10	-13	10	-16	-20	16
SCD400/4-1	-9	-13	17	-16	-20	25
SCD450/6-1	-9	-13	8	-16	-19	12
SCD450/4-1	-9	-13	16	-15	-19	24
SCD500/6-1	-10	-14	11	-17	-20	16
SCD500/4-1	-9	-13	14	-15	-18	36
SCD560/6-1	-9	-13	15	-16	-19	23
SCD560/4-1	-9	-13	29	-15	-19	41
SCD630/6-1	-11	-15	16	-16	-23	23
SCD630/4-1	-10	-15	30	-15	-23	51

Domestic axial fans

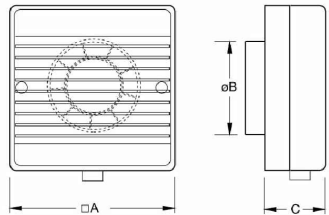
by Express-air

The Express-air range of domestic fans are designed for either wall, ceiling or window* mounting (*kit required) and are ideal for Toilets, Bathrooms, Utility Rooms & Kitchens to comply with building regulations on Ventilation. The range includes 100mm, 120mm & 150mm sizes with options for built in sensors / shutters to suit all your needs. The units are all manufactured using high ABS thermoplastics for strength and durability, aesthetics and easy cleaning. All products are BEAB approved and carry the CE marking and come complete with a 2 year guarantee.

Technical Data		EAFF100	EAFF120	EAFF150
Maximum Airflow	l/s	23 l/s	36 l/s	64 l/s
	m ³ /hr	85m ³ /hr	130m ³ /hr	230m ³ /hr
Spigol Size		100mm (4")	120mm (5")	150mm (6")
dBA @ 3m		36	36	35
Voltage		230-1-50	230-1-50	230-1-50
Amps		0.12	0.15	0.15

Ref Code	Product Type
EAFF *** S	Axial Fan, Standard model for remote switching (Light switch etc)
EAFF *** P	Axial Fan, as above but supplied with pullcord switch
EAFF *** T	Axial Fan, Timer model incorporating adjustable timer (1-20 mins)
EAFF *** TH	Axial Fan, Adjustable Humidity control between 40% & 95% RH + Run on timer (1 - 20 mins)
EAFF *** SS	Axial Fan, Standard model for remote switching (Light switch etc) + Automatic shutters
EAFF *** PS	Axial Fan, as above but supplied with pullcord switch + Automatic shutters
EAFF *** TS	Axial Fan, Timer model incorporating adjustable timer (1-20 mins) + Automatic shutters
EAFF *** THS	Axial Fan, Adjustable Humidity control between 40% & 95% RH + Run on timer (1 - 20 mins) + Automatic shutters
EWK***	Wall Fitting Kit - (External grille, white + wall sleeve)
EGK***	Window Fitting Kit
EFS-PIR	Passive Infra Red Sensor with run on timer
*** Fan Size: 100, 120 or 150	

Dimensions mm	A	B	C
100 mm	163	98	67
120 mm	182	118	112
150 mm	203	150	72



PURPOSE OF ISSUE

PLANNING

Do not scale from this drawing. All information should be checked by the contractor site before commencing work. Any discrepancies should be reported to the architect immediately. All rights are reserved and are not transferable. Unauthorised reproduction of this drawing are not permitted

GENERAL NOTES

1. THE CONTRACTOR IS TO CHECK AND VERIFY ALL BUILDING AND SITE DIMENSIONS, LEVELS AND SEWER INVERT LEVELS AT CONNECTION POINTS BEFORE WORK COMMENCES.
2. THE CONTRACTOR IS TO COMPLY IN ALL RESPECTS WITH THE CURRENT BUILDING REGULATIONS WHETHER OR NOT SPECIFICALLY STATED ON THESE DRAWINGS.
3. BEFORE WORK COMMENCES - ENSURE ALL PLANNING CONDITIONS AND BUILDING REGULATION CONDITIONS HAVE BEEN RESOLVED TO THE SATISFACTION OF THE LOCAL AUTHORITY.
4. ALL WORKS TO COMPLY WITH THE WORKMANSHIP CLAUSES IN BS8000 SERIES AND TO BE IN FULL COMPLIANCE WITH THE BUILDING REGULATIONS.
5. CONTRACTOR IS TO NOTIFY BUILDING CONTROL AT THE APPROPRIATE STAGES IN CONSTRUCTION - NECESSARY FOR THEM APPROPRIATE TO DETERMINE THE WORKS STATUTORY COMPLIANCE.
6. THE BUILDER IS TO FAMILIARIZE HIMSELF AND FULLY UNDERSTAND THE PLANS AND ANY APPROPRIATE STRUCTURAL DETAILS BEFORE ANY WORK COMMENCES ON SITE.
7. THE PLANS RELATING TO THE PROPOSED PROJECT TO BE READ IN CONJUNCTION WITH ALL APPROPRIATE STRUCTURAL ENGINEERS DETAILS.
8. DO NOT SCALE FROM PLANS. USE FIGURED AND ON SITE DIMENSIONS ONLY, IF QUERIES ARISE ON SITE CONTACT SITE AGENT.
9. THE CONTRACTOR IS TO CHECK ALL THE DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORK OF WORK ON SITE AND ANY DISCREPANCIES BE BROUGHT TO THE ATTENTION OF THE SITE AGENT.
10. ALL SITE WORK TO BE CARRIED OUT TO THE BUILDING REGULATIONS 1991, ITS REVISIONS, CURRENT BRITISH STANDARDS AND CODES OF PRACTICE.
11. ALL STATUTORY SITE INSPECTIONS ARE TO BE SEEN APPROVED BY L.A.B.C.O PRIOR TO ANY COVERING UP OF WORK
12. NO WORK IS TO BE CARRIED OUT FROM THIS PLAN UNTIL IT HAS BEEN STAMPED APPROVED BY THE COUNCIL BUILDING CONTROL

AND PLANNING DEPARTMENTS.

13. ALL DRAINAGE AND FOUNDATION IS PROVISIONAL AND SUBJECT TO THE CONDITIONS ENCOUNTERED ON SITE.
14. ALL CONCRETE WORK TO BE CARRIED OUT TO BS5328: 1981 AND BS1282:1985
15. ALL BRICKWORK TO BE CARRIED OUT TO BS5328:PT3:1985
16. ALL TIMBER TO BE TREATED WITH A SUITABLE PRESERVATIVE TO BS1262:1975.
17. ALL WORKS REGARDING THIS PROJECT IS SUBJECT TO THE BCO'S APPROVAL AND SATISFACTIONS.
18. ALL STRUCTURAL WORK MUST BE INSPECTED AT THE RELEVANT STAGES BY THE STRUCTURAL ENGINEER AND/OR THE BUILDING CONTROL OFFICER, AND COMPLY WITH THEIR REQUIREMENTS.
19. ALL ELECTRICAL WORK IS TO COMPLY WITH ALL THE RELEVANT REQUIREMENTS OF PART P. COMPLETION CERTIFICATE TO BE REQUIREMENT PROVIDED ON COMPLETION OF WORK.
20. SITE TO BE LEFT CLEAN BY CONTRACTOR AFTER COMPLETION OF PROJECT.
- CODE 4 LEAD FLASHING (MIN UPSTAND 150mm & Min 150mm SPREAD ON TILE) AND CAVITY TRAYS ARE TO BY USED WHERE INDICATED
- DOUBLE GLAZING TO BE PROVIDED TO ALL WINDOWS TO NEW STRUCTURE, THEREFORE U-VALUE OF WALLS TO BE 0.28w/m k AND U-VALUE OF WINDOWS TO BE 1.6w/m K, & EXTERNAL DOOR 1.8 W/m (I.E CONSTRUCTED AS INDICATED). SAFETY GLAZING TO THE CRITICAL LOCATIONS.
- WHERE EXISTING GROUND FLOOR IS OF THE SUSPENDED TIMBER TYPE, VENTILATION IS TO BE MAINTAINED BY DUCTING FROM EXISTING VENTS WITH 100MM EARTHENWARE PIPES LAID IN HARDWARE TO NEW EXTERNAL VENTS, GIVING A MIN VENTILATION AREA EQUIVALENT TO 3000SQMM PER METER RUN.
- THE NEW CAVITIES SHOULD BE CONTINUOUS WITH THOSE OF THE EXISTING PROPERTY.
- INSULATED CAVITY CLOSERS TO BE PROVIDED AT ALL WINDOWS AND DOOR OPENINGS.

AEYS' ASSOCIATES UK LTD.

PROJECT:

555-A WILBRAHAM ROAD,
MANCHESTER, M21 0AE, UK

DRAWING TITLE:

PROPOSED EXTRACTION PLAN

DRG NO :

AA-04

DATE :

FEBRUARY, 2020

SCALE:

1:100@A3