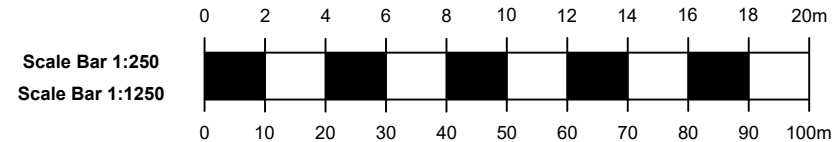
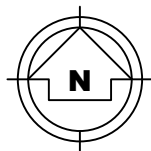
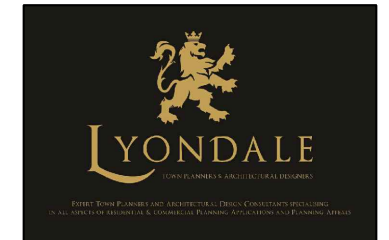


**Location Plan  
Scale 1:1250**



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**Crown House**  
**Homesdale Gardens**  
**Dartford, Kent, DA1 1DZ**  
**0800 677 1999**

**Client: Tasty Africa**

**Project:**  
**11 Froggnal Parade**  
**NW3 5HH**

**Title:**  
**Proposed Extraction System for A3**  
**Restaurant/Cafes**

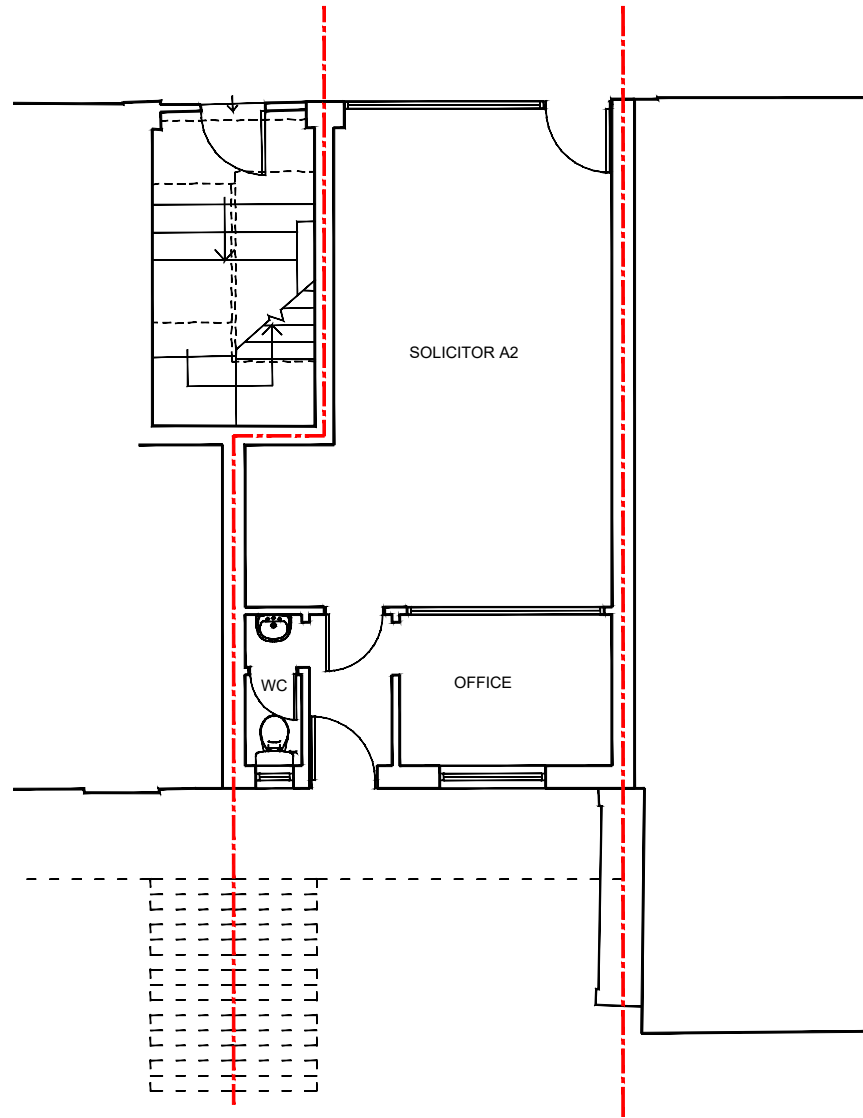
**Drawn: Location Plan**

**Drawing No.: Y562/2020/01**

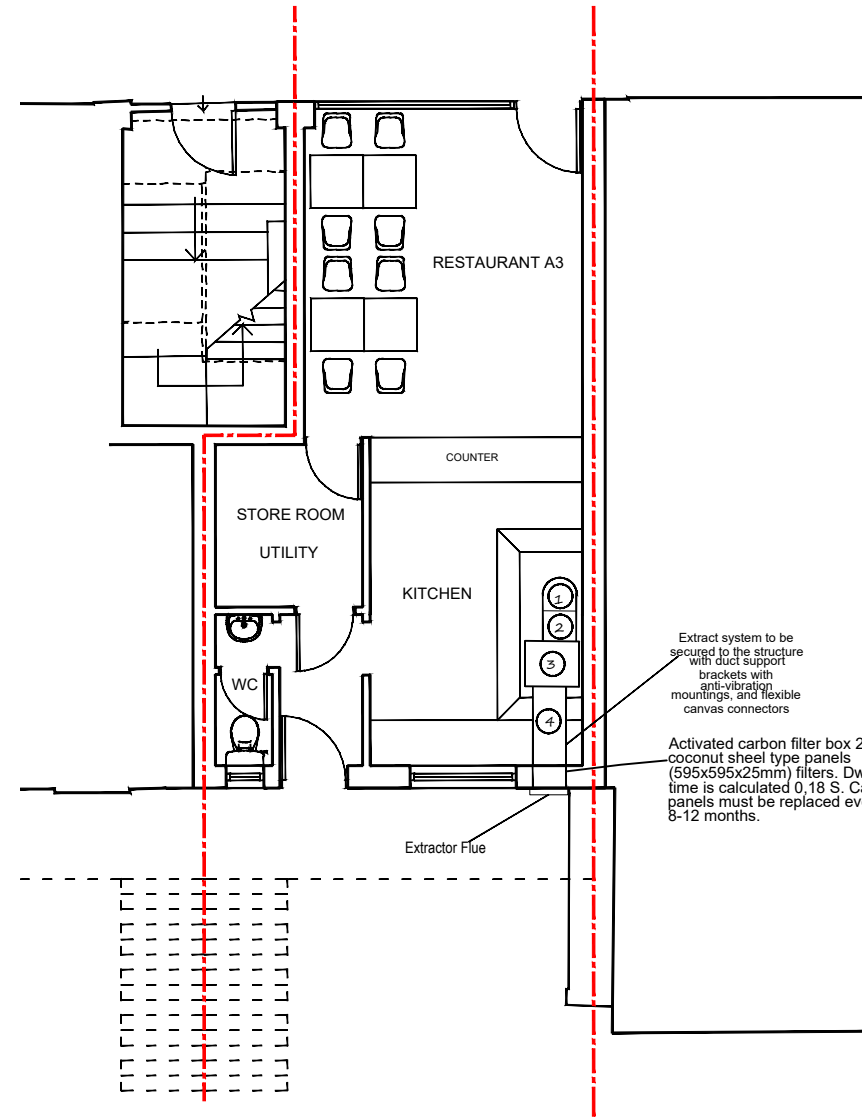
**Scale: 1:1250 & A3**

**Date: 22 June 2021**





Existing Ground Floor Plan  
Scale 1:100



Proposed Ground Floor Plan  
Scale 1:100

**EXTRACT SYSTEM & MAINTENANCE DETAILS**

1. **EXTRACT CANOPY**  
SS (304 grade) canopy 2700x1100mm above cooking units with 5 no. removable and washable grease filters 495x495x50mm. (FILTERS MUST BE WASHED 2 - 3 TIMES A WEEK).
2. **PRE-FILTERS & CARBON FILTER UNIT**  
KATERCARB 2KXB2 ACD extra duty 207C activated carbon filter unit 660x610x1025mm with 8 disposable chemically bonded carbon panels permanently sealed with a galvanised steel casing. Minimum Carbon Weight loading of 80kg/1.0m<sup>2</sup>/s with resistance to air flow of 175Pa (excluding prefilter and grease filter), and a dwell time of 0.3 seconds - secured to structure sitting on anti-vibration mountings. (FILTER ELEMENTS TO BE REPLACED EVERY 4 WEEKS AND CARBON PANELS TO BE REPLACED EVERY 9-12 MONTHS)
3. **FAN UNIT**  
CHV84-3000315 0.27KW 230V50 VE - ACOUSTIC CABINET FAN with sound level of 62 dB (A) @ 3 meters without attenuation. Speed regulator rating is at 1350 rpm with 2.01m<sup>3</sup>/s air flow rate @ 250 Static Pressure Pa giving efflux velocity at the flue terminal of 10.25ms (to give 35 + air changes in the kitchen) - secured to the structure sitting on the stand with anti-vibration mountings and insulated - connected directly to the silencers.  
The fan to be wrapped in an Acoustic Fan Jacket type AFJ (see manufacturer's details)
4. **SILENCERS/ATTENUATORS**  
2 No. 653mm Ø x 600mm high performance silencer (with 1DEP - cylindrical centreflow for enhanced attenuation) connected directly to fan casing on the outlet side and connected to ducting with flexible canvas connectors, giving a sound reduction level of 14dB (A) for the unit @ 3 meters - secured to structure sitting on the stand with anti-vibration mountings.
5. **DUCTING**  
Galvanised steel sheet 300 x 400mm (18swg) rectangular ducting with adequate stiffening and cross bracing discharging vertically terminating at least 1.0m above eaves level - Secured to the structure with duct support brackets with anti-vibration mountings.

Extract system to be secured to the structure with duct support brackets with anti-vibration mountings, and flexible canvas connectors

Activated carbon filter box 207 coconut shell type panels (595x595x25mm) filters. Dwell time is calculated 0.18 S. Carbon panels must be replaced every 8-12 months.

THE FLUE PIPE PASSES THROUGH WALL FORMED COMBUSTIBLE MATERIALS TO BE ENCLOSED IN A SLEEVE OF NON-COMBUSTIBLE MATERIAL & 25MM AIR SPACE BETWEEN FLUE & SLEEVE

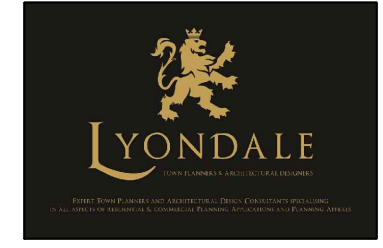
FOLLOWING UNITS SUPPORTED ON CEILING WITH ANTI VIBRATING MOUNT:

- EXTRACTOR FAN UNIT
- SOUND ATTENUATOR UNIT
- FILTER HOUSING COMPLETE WITH 2 NO. PRE FILTERS AND 2NO. CARBON FILTERS

The motor and Fan will be placed inside the premises to lower outdoor noise. The noise level at the point of the nearest window would be mitigated to at least 32dB @ 0.5 metre.

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Client: Tasty Africa

Project:  
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NW3 5HH

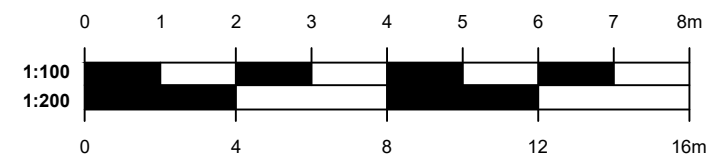
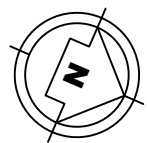
Title:  
Proposed Extraction System for A3  
Restaurant/Cafes

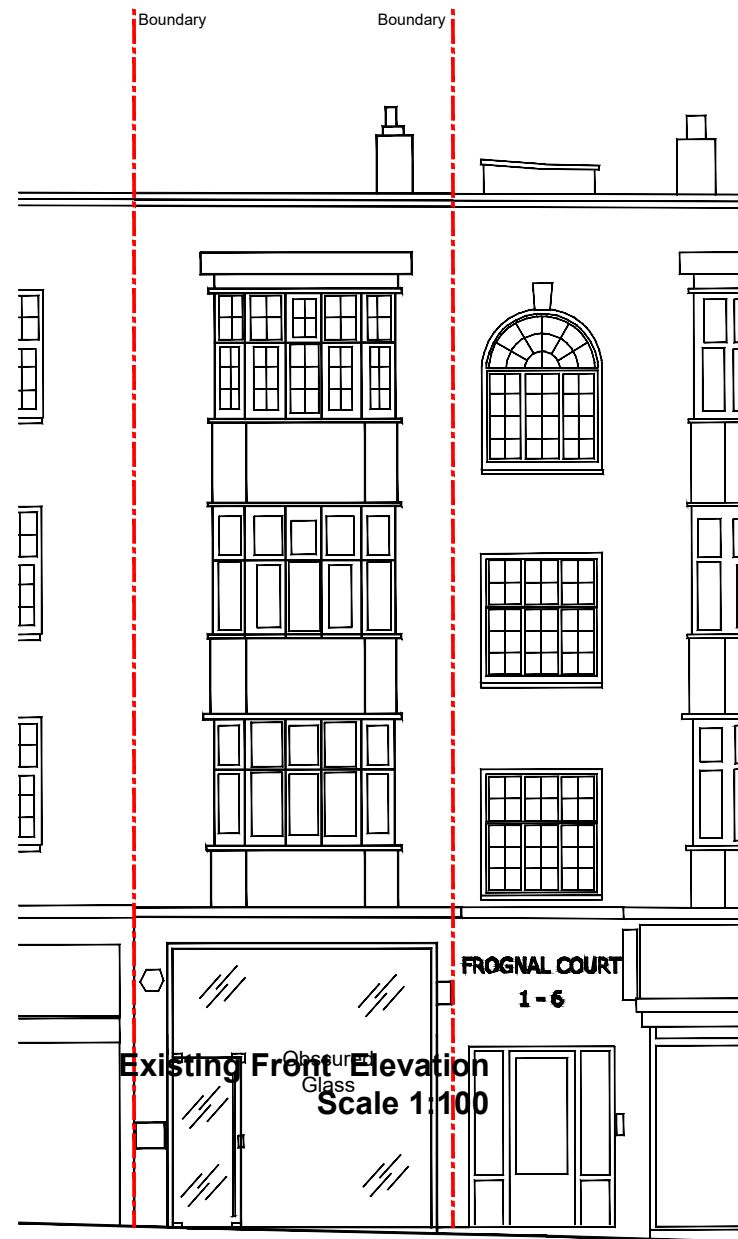
Drawn: Ground Floor Plans and Extractor System Details

Drawing No.: Y562/2020/03

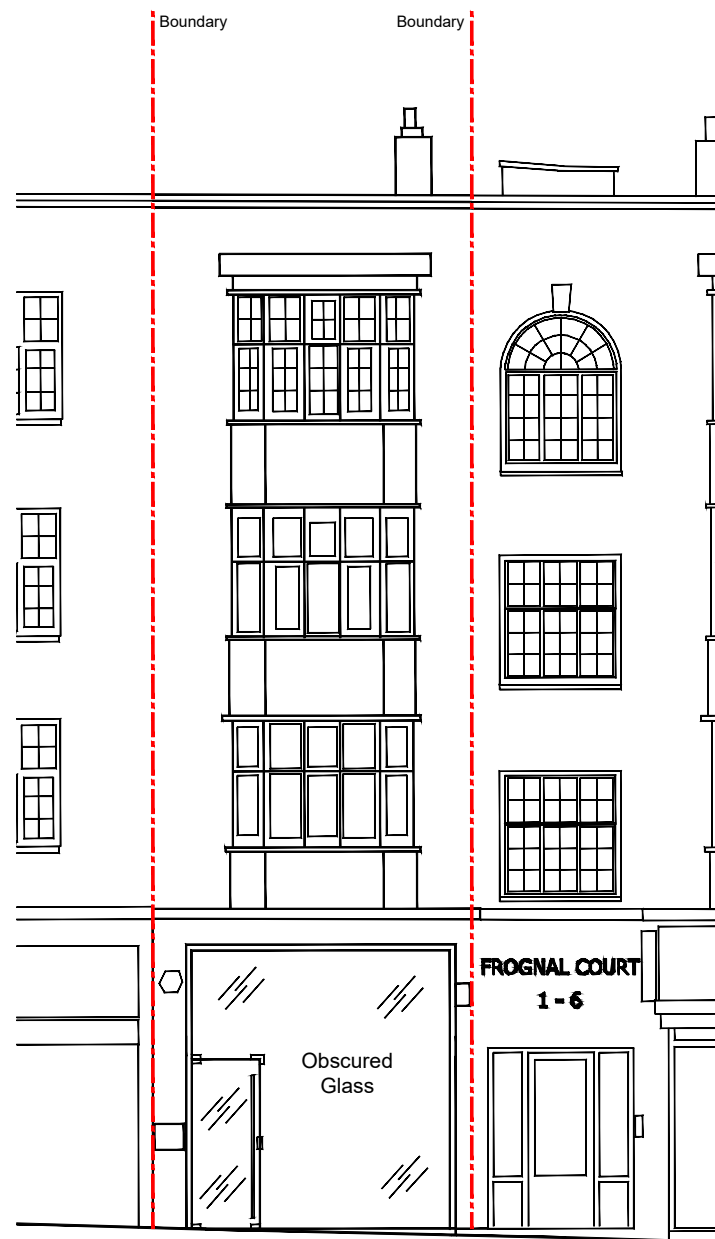
Scale: 1:200 & A3

Date: 22 June 2021

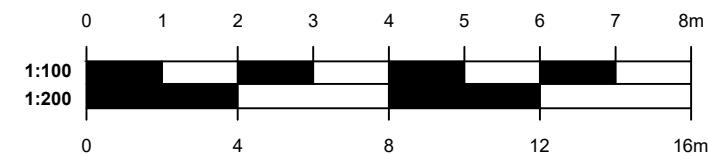




Existing Front Elevation  
Scale 1:100

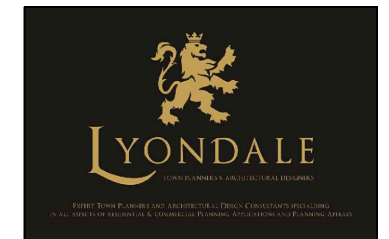


Proposed Front Elevation  
Scale 1:100



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NW3 5HH

Title:  
Proposed Extraction System for A3  
Restaurant/Cafes

Drawn: Front Elevations

Drawing No.: Y562/2020/04

Scale: 1:100 & A3

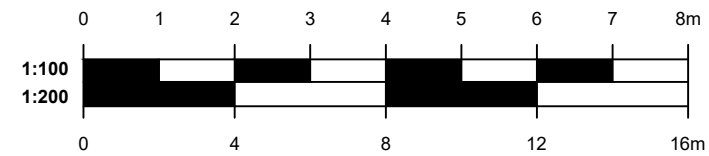
Date: 22 June 2021



Existing Rear Elevation  
Scale 1:100

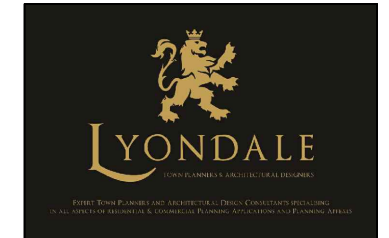


Proposed Rear Elevation  
Scale 1:100



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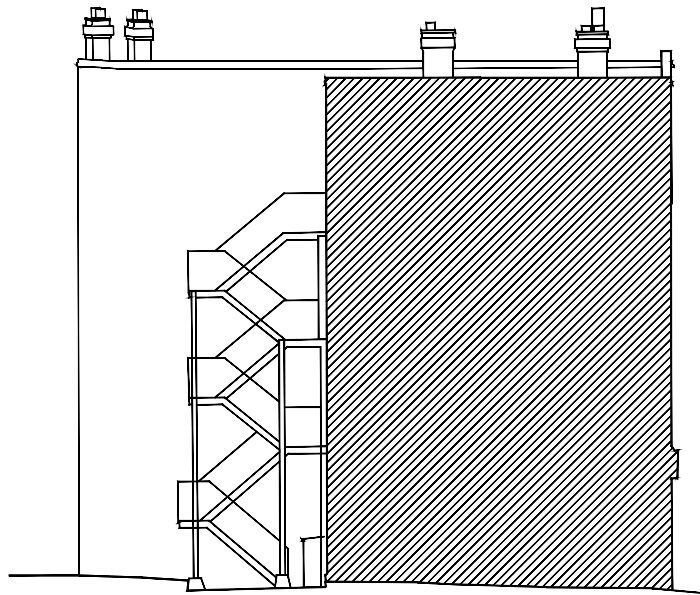
**Title:**  
Proposed Extraction System for A3  
Restaurant/Cafes

**Drawn:** Rear Elevations

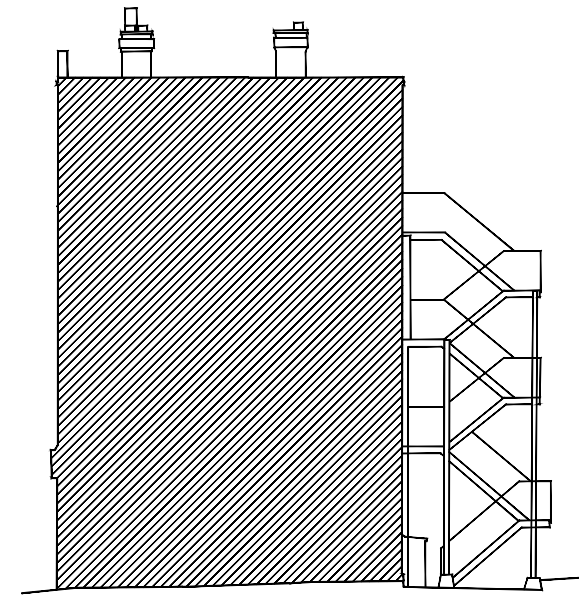
**Drawing No.:** Y562/2020/05

**Scale:** 1:100 & A3

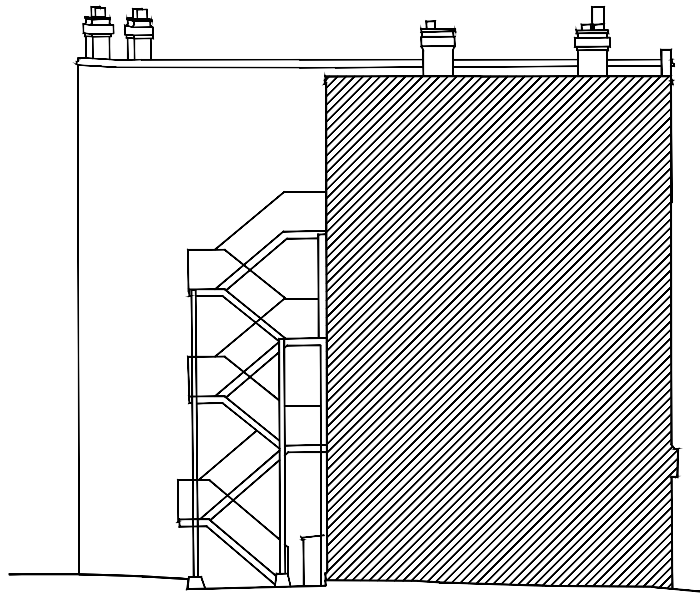
**Date:** 22 June 2021



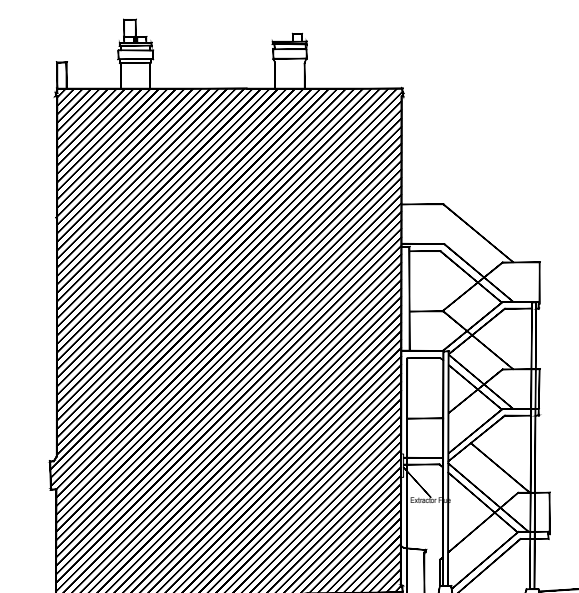
**Existing Left Elevation**  
Scale 1:200



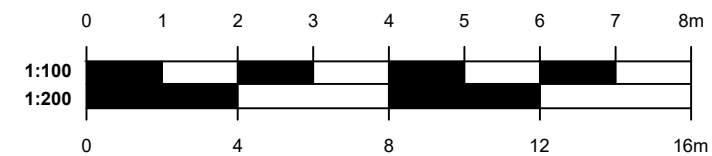
**Existing Right Elevation**  
Scale 1:200



**Proposed Left Elevation**  
Scale 1:200

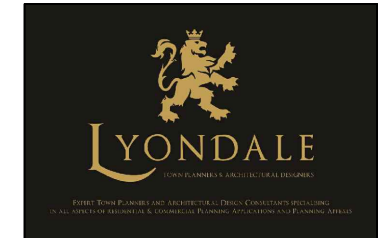


**Proposed Right Elevation**  
Scale 1:200



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**Drawn:** Side Elevations

**Drawing No.:** Y562/2020/06

**Scale:** 1:200 & A3

**Date:** 22 June 2021



# CHVB/CHVT

5148139200 - CHVB/4-3000/315 0,27KW 230V50 VE - ACOUSTIC CABINET FANS



Cabinet fan for air stream temperature up to 120°C. Certified F400 120 for smoke extraction in fire conditions. Manufactured from galvanised sheet steel, with double panel (sandwich type) internally lined with 25 mm thickness fireproof fibre-glass acoustic insulation (M0). Direct drive backward curved centrifugal impeller with motor fitted outside of the air stream. Motors are single phase or three phase IP55 with thermal protection. S&P model CHVB/4-3000/315 0,27KW 230V50 VE

5148139200 - CHVB/4-3000/315 0,27KW 230V50 VE

## Theoretical Working Point

Airflow	-
Static Pressure	0,000 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m <sup>3</sup>
Frequency	50 Hz

## Construction

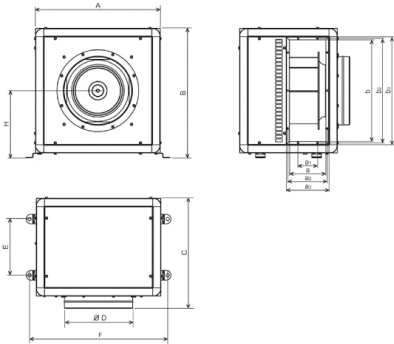
Discharge diameter	315 mm
Fan size	315
Weight	46,00 kg

## Motor Characteristics

Number of poles	4
Voltage	1-230V-50Hz
Maximum absorbed current	1,3 A
IP Rating	IP55

Motor insulation class

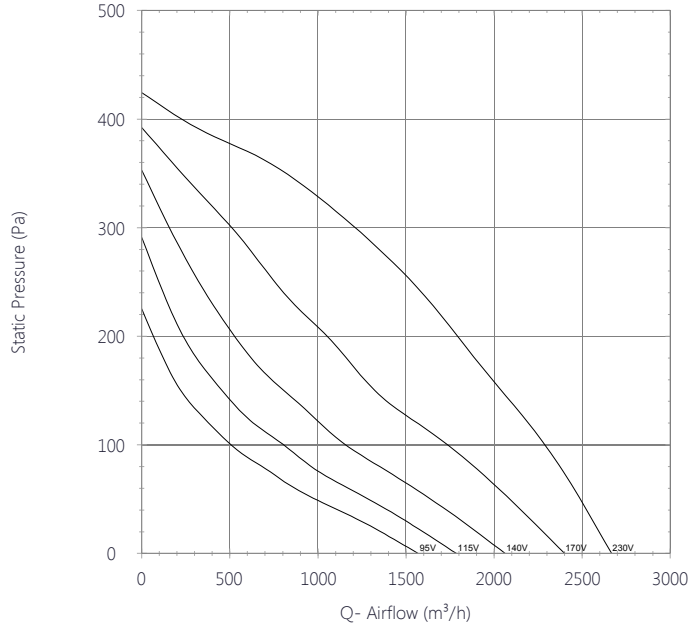
## Drawing



A	B	C	D	E	F	H	a	a1
548	573	527	315	247	618	299	149	118

a2	a3	b	b2	b3
162	183	429	441	463

## Performance Chart



## Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
<b>Inlet (LwA)</b>	44	63	67	67	69	68	63	60	75
<b>Inlet LpA @ 1m</b>	33	52	56	56	58	57	52	49	64
<b>Outlet (LwA)</b>	42	62	67	68	69	69	63	60	75
<b>Outlet LpA @ 1m</b>	31	51	56	57	58	58	52	49	64
<b>Breakout (LwA)</b>	37	56	60	55	55	55	54	48	64
<b>Breakout LpA @ 1m</b>	26	45	49	44	44	44	43	37	53



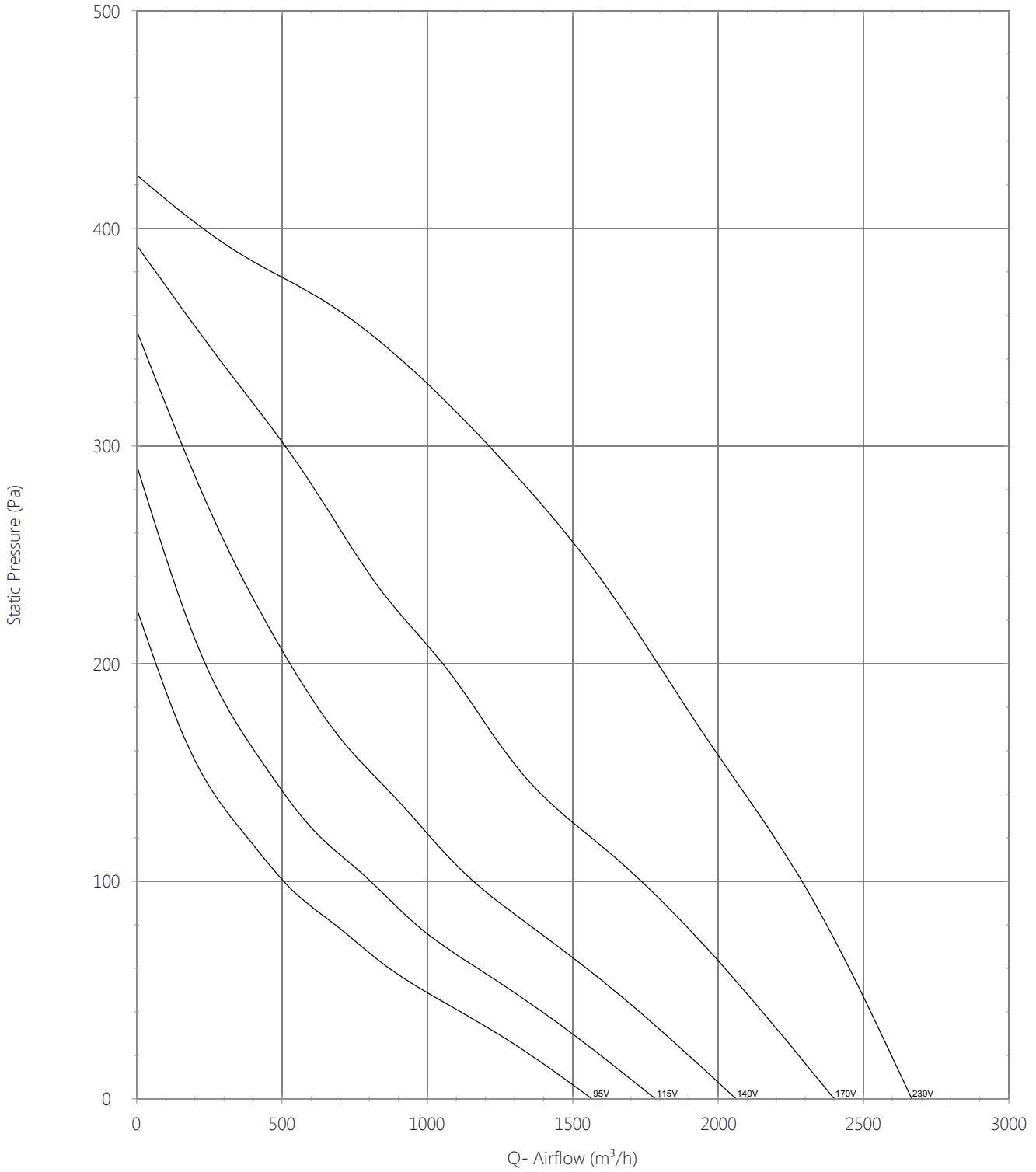


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5148139200 - CHVB/4-3000/315 0,27KW 230V50 VE - ACOUSTIC CABINET FANS

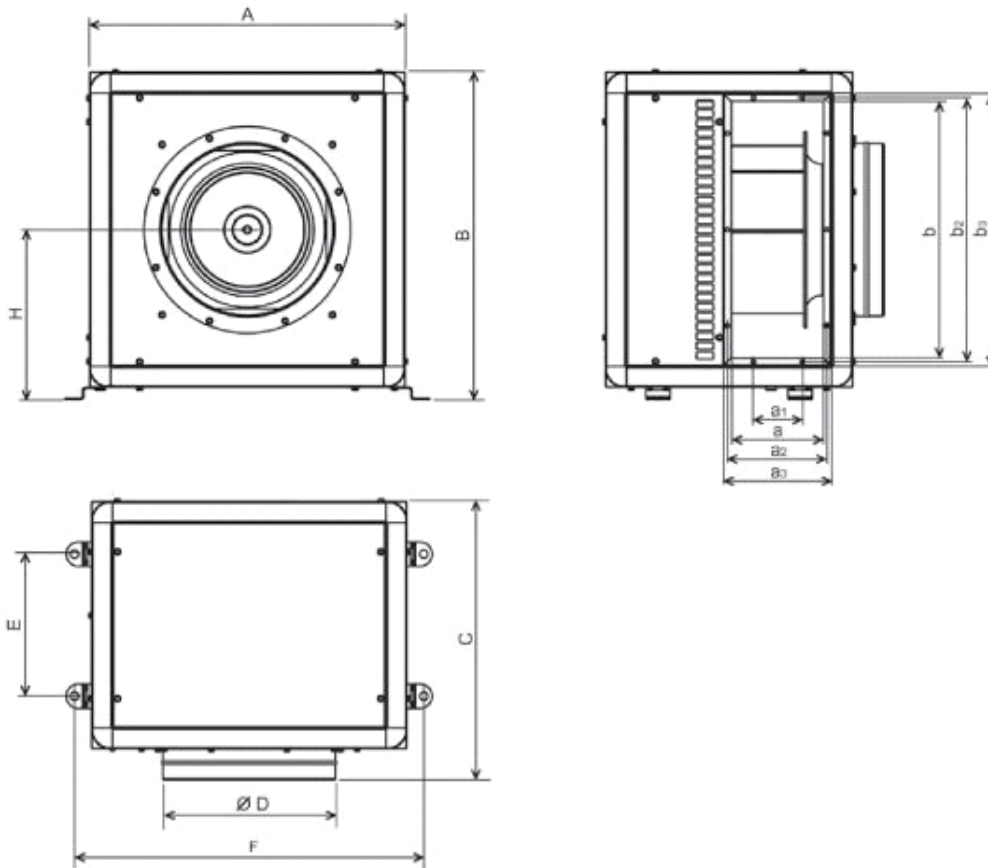


## Performance Chart





## Drawing



A	B	C	D	E	F	H	a	a1	a2	a3	b	b2	b3
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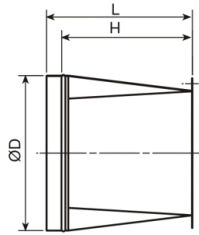
## Accessories

5416740700 - FD-3000



DISCHARGE FLANGE

### Dimensions



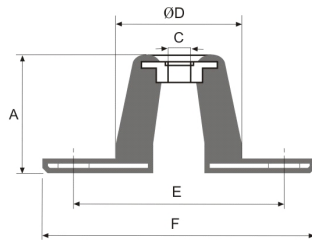
D	L	H
315	450	400

5130861700 - KSE-45

Rubber anti-vibration mounts that absorb vibration and attenuate the noise produced in the installation. (1 KSE = 4 supports in a bag)



### Dimensions



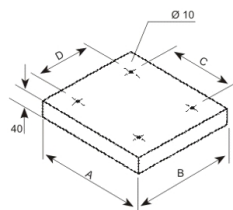
A	C	D	E	F
24	8	30	65	90

5416763100 - CTI CHV-3000



PITCHED ROOF COWL

### Dimensions



A	B	C	D
575	490	358	343



# CHVB/CHVT

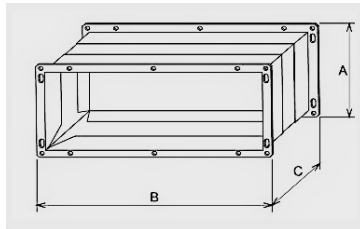
5148139200 - CHVB/4-3000/315 0,27KW 230V50 VE - ACOUSTIC CABINET FANS

5402032800 - ACOP RECT F400-3000



RECTANGULAR FLEXIBLE CONNECTOR

### Dimensions



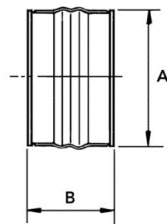
A	B	C
180	459	143

5138920900 - ACOPEL F400-315/160 N

FLEXIBLE CONNECTOR



### Dimensions



A	B
323	160



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Q=1