

GARCIA CONSULTING ENGINEERS Ltd

Building Services Design ≡ Project Management ≡ Thermal Modelling & Sustainability



DESIGN AND ACCESS STATEMENT TO ACCOMPANY APPLICATION FOR LISTED BUILDING CONSENT

NEW YORK CAFÉ,
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Issue	Status	Author	Date	Check	Date	Authorised	Date
01	Issue 1	MGG	11.03.21	MGG	11.03.21	MGG	11.03.21
02	Issue 2	MGG	12.03.21	MGG	12.03.21	MGG	12.03.21

2. DESCRIPTION OF THE EXISTING BUILDING

2.1 Summary

This application relates to the introduction of an existing facility at 84 Heath Street, London NW3 1DN. Camden Council granted permission for the change of use from A1 retail class to A3 café/restaurant class use. to cafe planning reference no. 2019/4989/P.

The requirement for a kitchen commercial extract system has come about as the new owners of the business wish to expand the existing menu and provide a wider range of food for the varied customer base of the High Street.

The proposed solution to avoid any disruption to the building Listed Building Status, Grade II is to install a ductless recirculating canopy in the kitchen and avoid the installation of extract ductwork and fans on the rear façade of the building.

The property spans over three storeys with the ground floor accessed from the street level, a lower ground floor with rear external access to a small courtyard and a first-floor level above the ground floor.



Figure 2. Existing Building Frontage

The building's courtyard is surrounded by tall walls from the neighbouring properties to the South and East sides, and the steep alleyway access for the rear to the North.

The majority of the buildings in the immediate area have shop fronts and this pattern continues to the South nearer Hampstead tube station. Further North after no. 84 Heath Street, the commercial premises start to disperse, and the street becomes predominantly residential.



Figure 3. Existing Building Frontage

Hampstead is a popular tourist and visitor location due to its rich heritage and vast greenery for England's capital city and it is the location of the world-famous 'Hampstead Heath' that has been the set for many film locations and other artistry as well as boasting what could be argued as one of the best views of the city's skyline.

As a main street through Hampstead from the tube station to the tourist attractions. Heath Street offers a wealth shops, cafes and bars for people to frequent and take respite: a healthy mix ensures the area offers something for everyone.

3. DESCRIPTION OF THE PROPOSED WORKS

3.1 Summary

The proposed works will see the existing café kitchen in the basement upgraded with a ductless recirculation canopy in order to allow the business owners to include more options in their café menu and attract more customer base to their business.

3.2 Proposed Works

A new ductless canopy will be installed in the lower ground floor kitchen as shown on the proposed drawings. Neither construction works nor alterations to the existing building fabric will be required for the installation of the new ductless canopy. There is an existing power supply that will be used to power the new canopy.

All cooking appliances in the kitchen, an oven and one single hob are electrical. This makes possible the use of a ductless canopy as the system is not required to comply with The Gas Safety (Installation and Use) Regulations 1998.

To mitigate excessively high temperatures for the staff working in the kitchen, there is already an existing air conditioning unit that provides cooling and maintains the kitchen indoor temperature to adequate levels.

As for fresh air supply for the kitchen staff, there are grilles at the rear wall of the building that allow some fresh air to enter inside the kitchen.

3.3 Design Considerations

The existing premises of no. 84 Heath Street comes already equipped with a kitchen at lower ground floor level and small servery at ground floor.

The kitchen will be fitted with ductless recirculating commercial canopy which will not require the installation of ducting to outside the property. This will impact positively in the following ways:

- The existing grade II listed building will not be altered internally and it will not be modified externally as no ducting is needed.
- Odour control. All smells will be contained within the kitchen and will be neutralized by the ductless kitchen canopy system. Furthermore, the business owners have committed themselves to provide a seasonal menu and preparation of an odour risk assessment to ensure that any remaining odour can be adequately contained and neutralised by the system. A cleaning schedule has also been drawn up which will detail the items of equipment which will need thorough cleaning daily, weekly and monthly to further prevent unwanted unpleasant odours escaping to the surroundings.
- Noise Impacts – Noise transmitted by the ducting from an extract kitchen will be eliminated as the system works with not ducting, it only recirculates and filters the air from the kitchen.

3.4 Materials

The proposed ductless recirculation commercial canopy selected for the kitchen is from Target Catering Equipment, model: 1500mm Carbo Clean Standard Canopy.

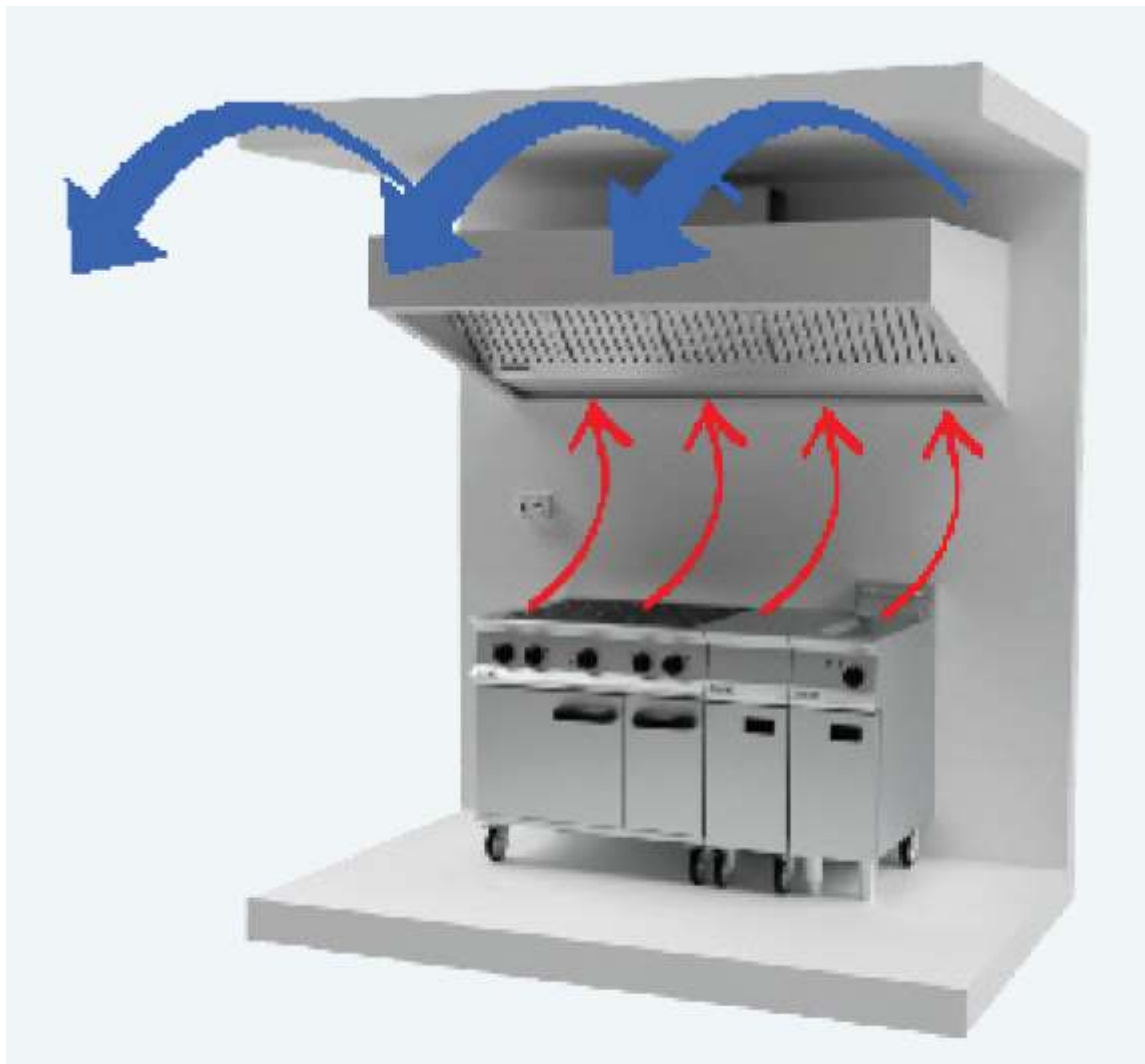


Figure 4. Proposed Ductless Recirculation Canopy

Please refer to the attached architectural drawings for additional information and at the end of this report for more technical details from the model selected.

4. LOCATION

The café is Grade II Listed and is sited within the Hampstead Conservation Area.

5. ACCESS

There will be no change in access to the site.

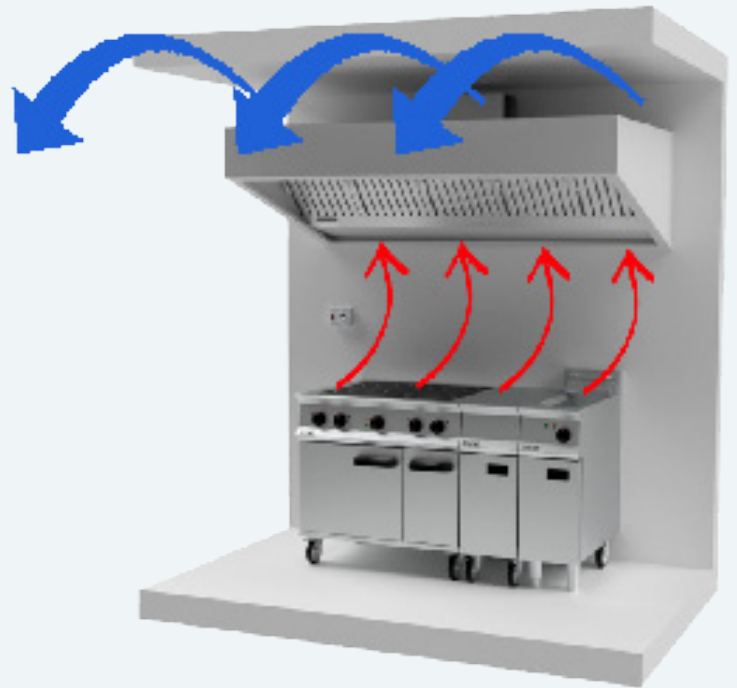
6. PRECEDENT

It is noted that there are a number of approved completed schemes within the vicinity of the area, similar to that proposed within this application including a system with external extraction ductwork, including but not limited to:

LWX0103198 - Installation of extract ductwork to rear of the property and minor internal alterations, including the installation of a dumb waiter and removal of the public bars on the ground and first floor levels. As shown on drawing numbers: 244/01, 03, 04, 02B.

CARBO CLEAN®

AIR SYSTEMS

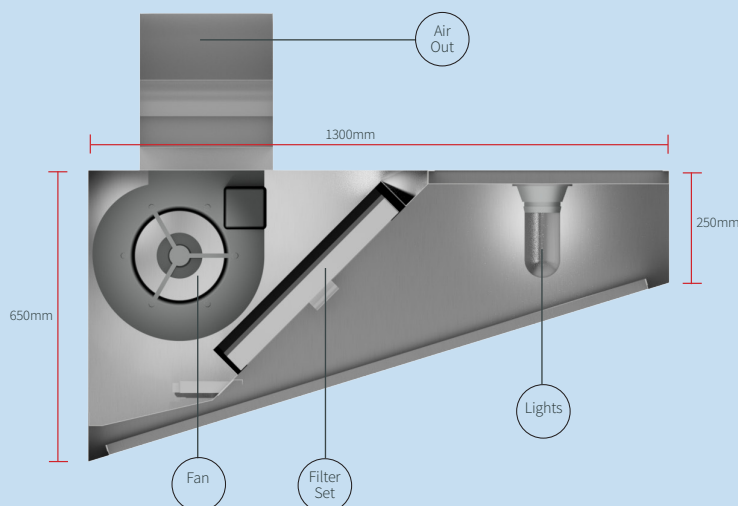


RECIRCULATION FILTRATION CANOPY

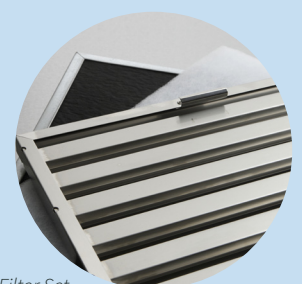
Target's wall mounted Carbo Clean Recirculation Filtration Canopies offer a simple solution where there is a need to provide a means of air quality improvement to address the issues of cooking processes in light duty applications and provide adequate ventilation in commercial premises that are using limited electrical equipment.

It's powerful built-in centrifugal fan overcomes filter resistance pulling contaminated air into the canopy collector and through the fire rated removable filter sets fitted within the recirculation filtration canopy, filtering the captured air, removing grease, fine particulate matter and odour. Once filtered, clean air can either be recirculated back into the kitchen, or with the simple twin header fan outlet, can be ducted to the outside to provide partial air extraction if necessary to provide the required number of air changes in accordance with Building Regulations if a secondary air movement fan has not been installed.

Target supply and recommend the use of Vent Axia T Series fans in conjunction with the Target Carbo Clean Recirculation Filtration Canopy. Vent Axia T Series fans are designed for window or wall mounting to provide both passive supply air into and out of the premises with the option of powered air inlet and exhaust, as may be required to provide the adequate ventilation in commercial premises where no ducting outside is permitted.

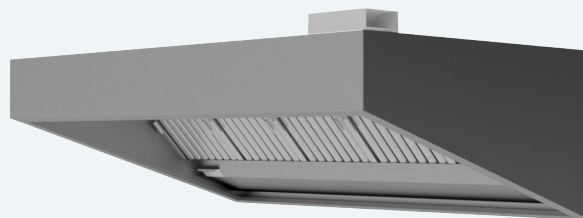


REB-5 Speed Controller



Filter Set

CARBO CLEAN RECIRC2000



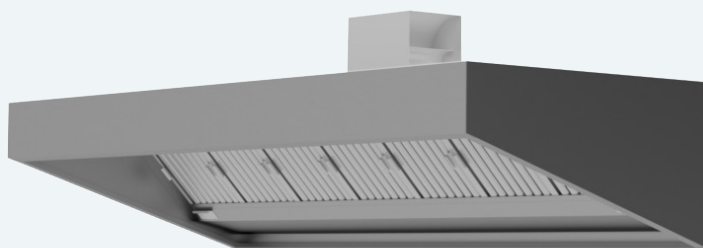
Model	Width (mm)	Depth (mm)	Height (mm)
CARBO CLEAN RECIRC 2000	2000	1300	650/250

FEATURES INCLUDE:

- Fully welded 304 catering grade stainless steel canopy hood
- Perimeter drip channel with removable drip tray
- 7/7 Fan - Air flow rated at 1072m³/hr (0.298m³/sec) at 248 pascals
- Speed controller REB 5
- 5 off 500mm x 400mm Removable filter sets including;
 - High Efficiency Fire Rated Grease Guardian Filter - Air flow rated at 600m³/hr (Total air flow rating 3000m³/hr)
 - Disposable CP4 Synthetic Filter Media - Fire rated BS 5588 Part 9 CP413
 - Activated Carbon Panel - Air flow rated at 284m³/hr each at 0.1 dwell (Total air flow rating 1420m³/hr)
- Power: 147W 230V 50/60Hz 1.3A (Single Phase)
- Warranty: 1 Year Parts Only

OPTIONAL ADD-ONS:

- Bulkhead lights



CARBO CLEAN RECIRC3000

Model	Width (mm)	Depth (mm)	Height (mm)
CARBO CLEAN RECIRC 3000	3000	1300	650/250

FEATURES INCLUDE:

- Fully welded 304 catering grade stainless steel canopy hood
- Perimeter drip channel with removable drip tray
- 9/9 Fan - Air flow rated at 2588m³/hr (0.719m³/sec) at 424 pascals
- Speed controller REB 5
- 7 off 500mm x 400mm Removable filter sets including;
 - High Efficiency Fire Rated Grease Guardian Filter - Air flow rated at 600m³/hr (Total air flow rating 3000m³/hr)
 - Disposable CP4 Synthetic Filter Media - Fire rated BS 5588 Part 9 CP413
 - Activated Carbon Panel - Air flow rated at 284m³/hr each at 0.1 dwell (Total air flow rating 1420m³/hr)
- Power: 515W 230V 50Hz 4.2A (Single Phase)
- Warranty: 1 Year Parts Only

OPTIONAL ADD-ONS:

- Bulkhead lights

*All prices exclude VAT, delivery & installation



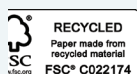
TARGET CATERING EQUIPMENT (PEDRETTE ENGINEERING LIMITED)

Unit 1 Ashville Trading Estate | Bristol Road | Gloucester | GL2 5EU

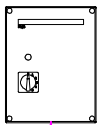
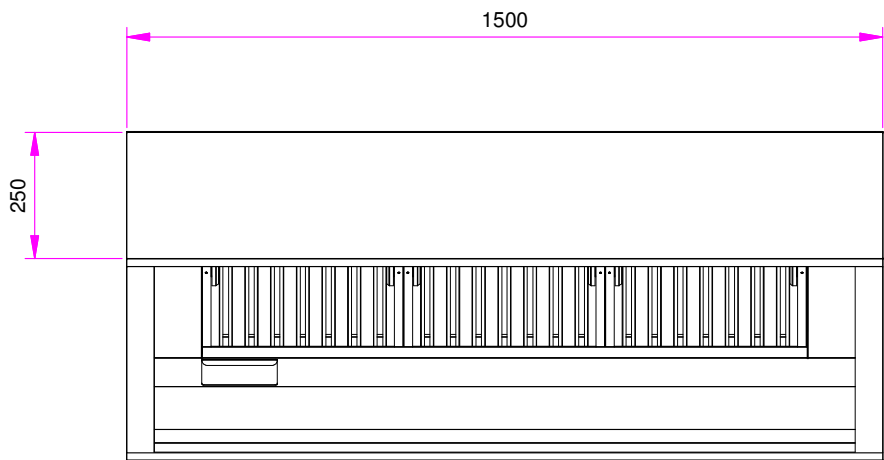
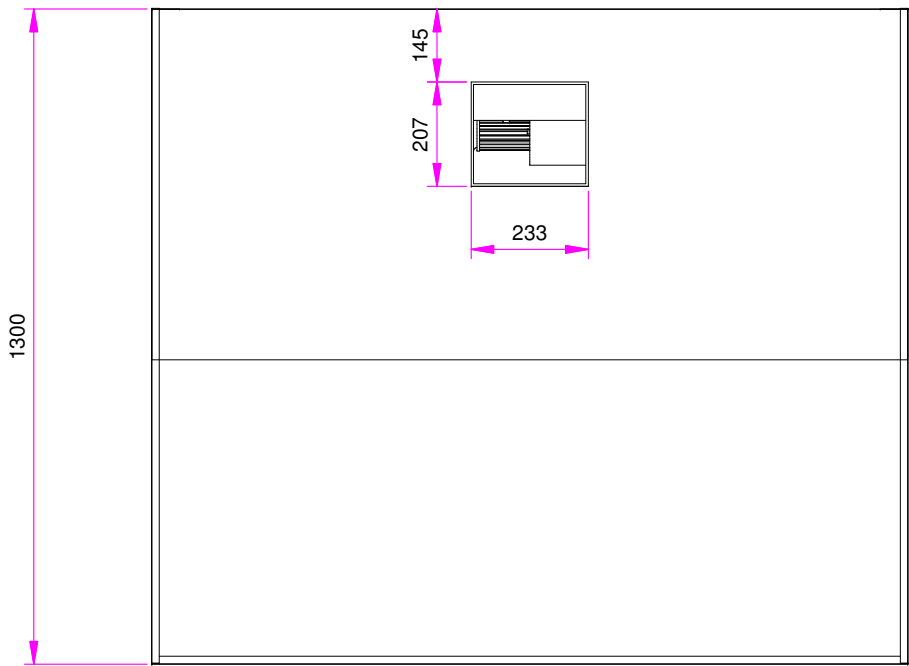
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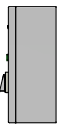
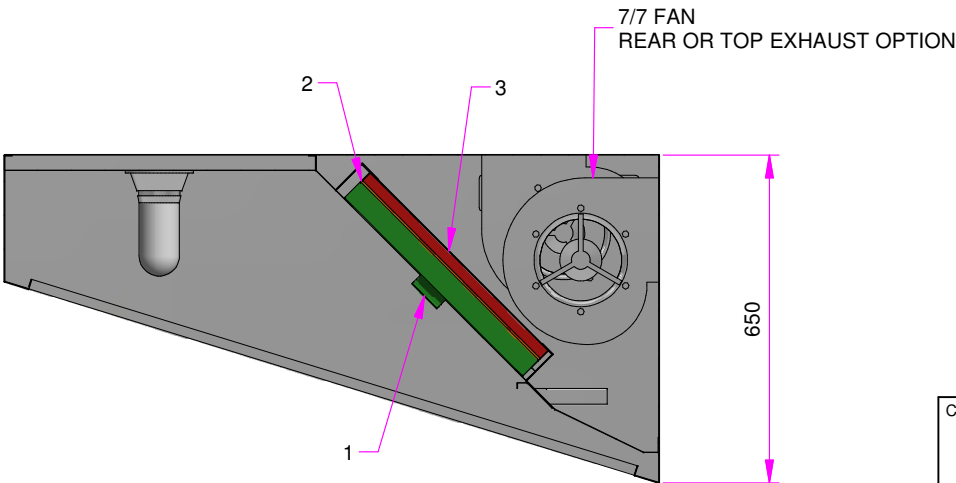
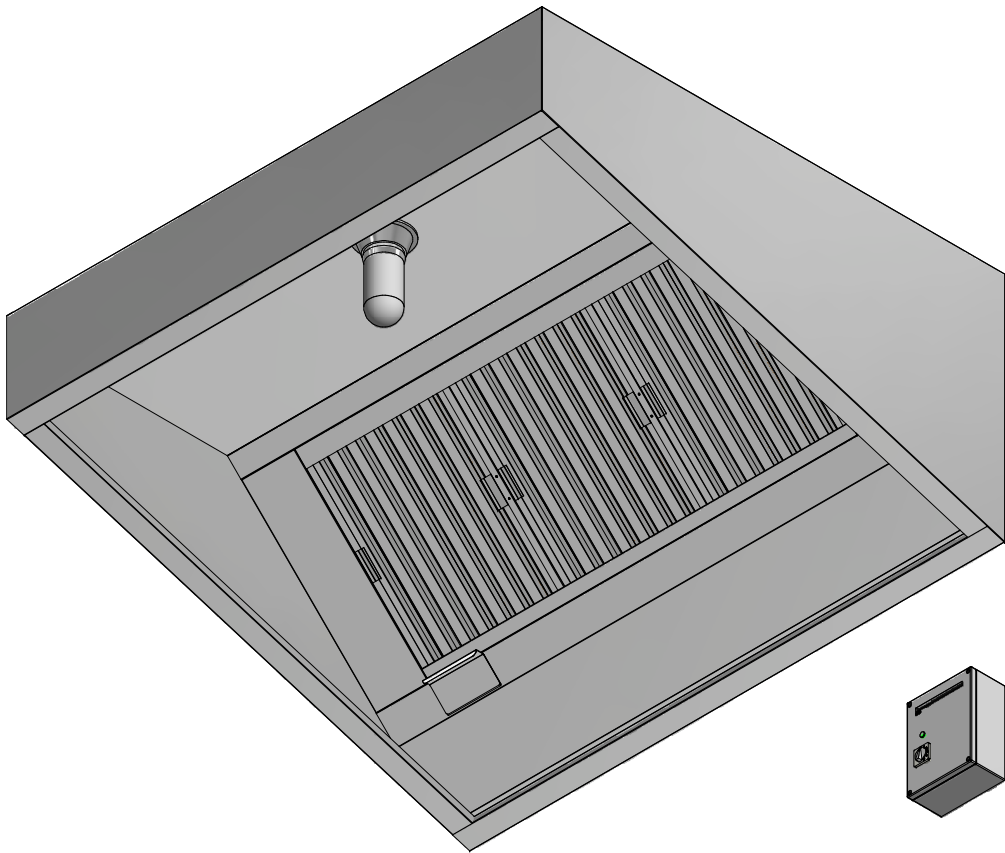
WWW.TARGETCATERING.CO.UK



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FAN SPEED CONTROLLER



ELECTRICAL REQUIREMENTS			
ITEM	MAX. CURRENT	MOTOR POWER	AIR FLOW (m3/sec)
7/7 FAN	1.2A	147W	0.298 m3/sec
COMPONENTS			
ITEM	FILTER		QUANTITY
1	GREASE GUARDIAN FILTER		3
2	DISPOSABLE CP4 SYNTHETIC FILTER		3
3	ACTIVATED CARBON PANEL		3

 THIRD ANGLE PROJECTION

CLIENT	
TARGET CATERING STANDARD ITEM	
TITLE 1.5m LENGTH CANOPY	
DRG. No XXXXX-XX	REV
CHECKED BY	DATE
DRAWN BY IW	DATE 03/08/2020
SCALE 1:15	SHEET SIZE A3
	
Manufactured by Pedrette Engineering Ltd Unit 1, Ashville Trading Estate, Off Bristol Road Gloucester, GL2 5EU TEL: 01452 410447 FAX: 01452 410471 email: engineering@targetcatering.co.uk web: www.targetcatering.co.uk	
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