

# NOTES

ALL WORKMANSHIP & MATERIALS SHALL COMPLY WITH CURRENT BUILDING REGULATIONS. ALL MATERIALS SHALL BE FIXED APPLIED AND MIXED IN ACCORDANCE WITH BRITISH STANDARDS AND BUILDING REGULATIONS. ALL WORKS SHALL COMPLY AND TO THE COMPLETE SATISFACTION OF THE BUILDING INSPECTOR, WHETHER OR NOT INDICATED ON THIS DRAWING.

THIS DRAWING SHALL NOT BE SCALED.

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ALL ELECTRICAL WORK REQUIRED TO MEET THE REQUIREMENTS OF PART P (ELECTRICAL SAFETY), MUST BE DESIGNED, INSTALLED, INSPECTED AND TESTED BY A PERSON COMPETENT TO DO SO.

PRIOR TO COMPLETION THE COUNCIL SHOULD BE SATISFIED THAT PART P HAS BEEN COMPLIED WITH. THIS MAY REQUIRE AN APPROPRIATE BS 7671, ELECTRICAL INSTALLATION CERTIFICATE TO BE ISSUED FOR THE WORK BY A PERSON COMPETENT TO DO SO WHO IS QUALIFIED TO AT LEAST CITY & GUILDS.

## Extraction Ventilation Statement

**Extraction Flue**  
The main elements of the grease and odour control system starts in the kitchen and will be accordance with the following:

**KITCHEN CANOPY EXTRACTION REQUIREMENTS:**  
The canopy is as existing and contains primary grease filters and all cooking equipment is below the canopy primary grease filters are cleaned every 2-3 days.  
The extraction system has been designed to ensure that the velocity of gases through these filters enables sufficient residence time this system has been designed to have 0.45 resident time.

**Panel Pre Filter.**  
Filter will be installed in the ductwork within the filter housing this will be a disposable pleated panel filter located within the ductwork. The filter will be in line prior to the odour control/filtration, in the same filtration housing. The secondary filter shall be replaced every 3 months, however this could be done earlier depending on the volume of cooking.

**Odour Control Filtration (Carbon Filter).**  
Activated carbon filters will be installed after the secondary filter.  
Activated-carbon filters absorb gaseous odours, usually volatile organic compounds, onto the filter medium. The carbon filter will have a dwell time of 0.4s, there will be 2no carbon filters installed and checked every 3 months prior to replacement.  
The carbon filtration will be located at a sufficient distance along the duct run, to prevent the heat from the cooking reducing the efficiency of the filtration. The filter housing has been designed to ensure ease of access for maintenance and to provide a good seal around the filters to prevent gases bypassing the filters, rendering them ineffective.  
The internal surfaces of the filter housing shall be cleaned monthly.  
The gaseous flow rates, through the filters, shall be matched to the respective retention time of each filter to achieve optimum efficiency of the filters. It is critical to achieve optimum efficiency to effectively remove grease and odour and to prevent breakthrough of grease and odour, by too great a flow.

**Extraction Motor / Fan.**  
The extraction motor has been correctly rated for the application and at the correct speed/flow rate to achieve optimum performance of the filtration. The extract fan shall be mounted on Anti-Vibration component and the extraction motor shall be cleaned and maintained in accordance with the manufacturers specification.  
The motor controller shall be located in the kitchen and be of, two speed or variable speed design, adjusted so that the speed settings correlate to and achieve the optimum rate of the odour control system.

**Noise Control / Attenuator**  
Noise control shall be implemented, attenuator will be installed after fan installation as per schematic. The attenuation will be of pod type supplied by London Fans.

**Noise Level Assessment.**  
British Standard 8233:199 'Sound insulation and noise reduction for buildings - Code of Practice' gives recommendations for acceptable internal noise level in residential properties. Assuming worst case conditions, of the closest window being for a bedroom BS8233:1999 recommends 30-35db(A) as being 'Good', to 'Reasonable' internal resting/sleeping conditions. With external levels of 40db (A) at this window, the window itself would need to provide 10db attenuation to achieve 'Good' conditions. However according to BS8233:1999, a partially open window offers between 10-15db attenuation.

**Final Termination.**  
The ducting shall discharge 1m above existing rear windows, with no restriction to final opening. Duct termination has been designed to achieve a vertical efflux velocity of at least 15 metres per second (m/s).

**NOTE:**  
THIS DRAWING SHOULD BE CHECKED AND VERIFIED BY THE CONTRACTOR PRIOR TO WORKS COMMENCING ON SITE FOR CLARIFICATION OR QUERIES CONTACT KHALID KHAN 07798 686430. ANY CHANGES ON SITE TO BE AGREED WITH THE BUILDING CONTROL OFFICER.

THIS DRAWING IS COPYRIGHT AS DESCRIBED IN SECTION 47 DESIGN AND PATENTS ACT 1988, AND SHALL NOT BE COPIED OR USED FOR ANY OTHER ADDRESS.  
THE WORKS ONLY REFER TO 64 WHALLEY ROAD, CLITHEROE, FOR MR MARK SOLOMON.

Client:  
**MR MARK SOLOMON.**

Project:  
**CHANGE OF USE FROM SHOP (BAKERY) TO SHOP AND HOT FOOD TAKEAWAY & INSTALLATION OF EXTRACTION EQUIPMENT.**

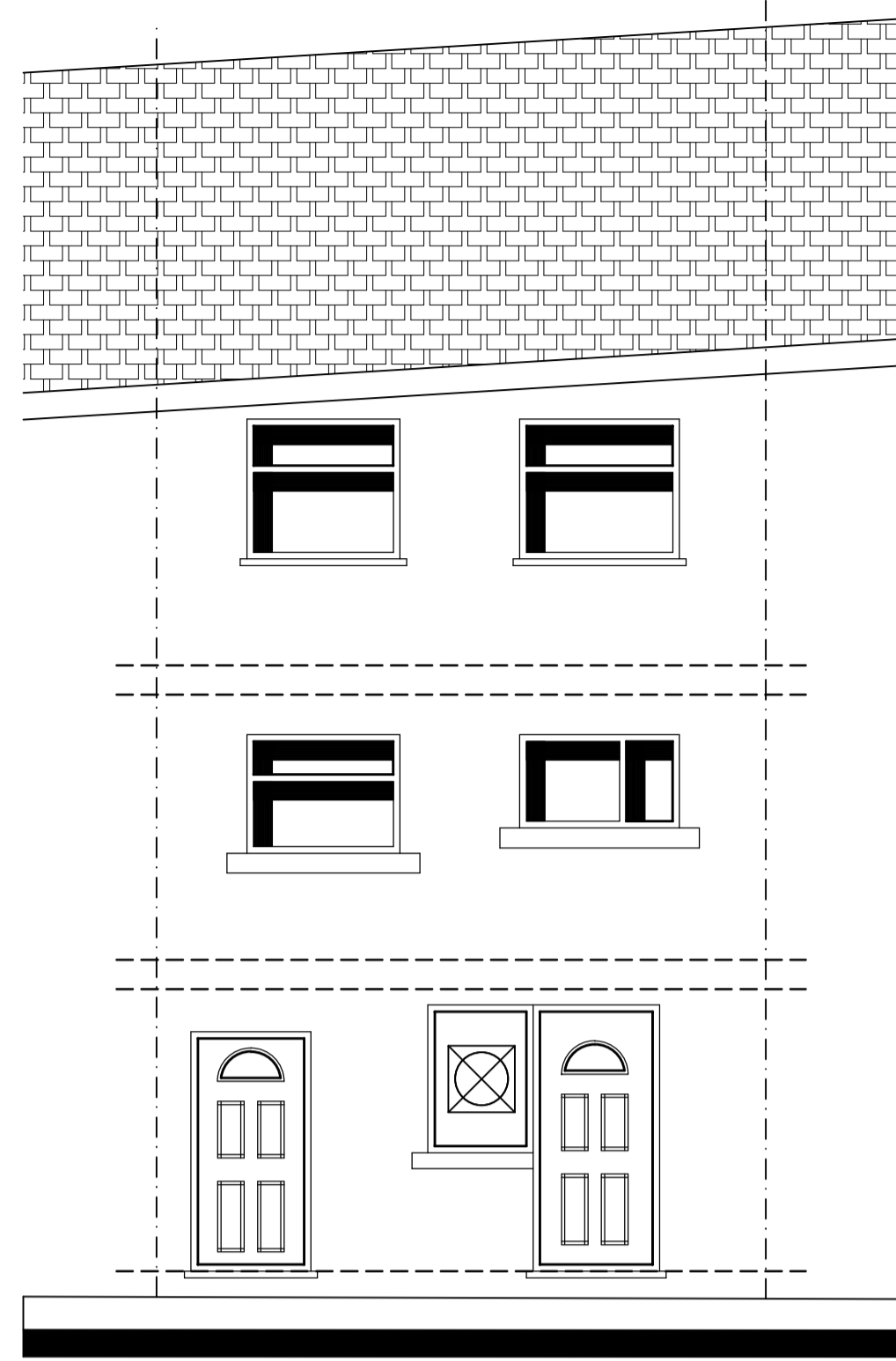
Location:  
**64 WHALLEY ROAD  
CLITHEROE, BB7 1EE.**

Date / Scale:  
**October 2022. Scale: 1:50, 1:100.**

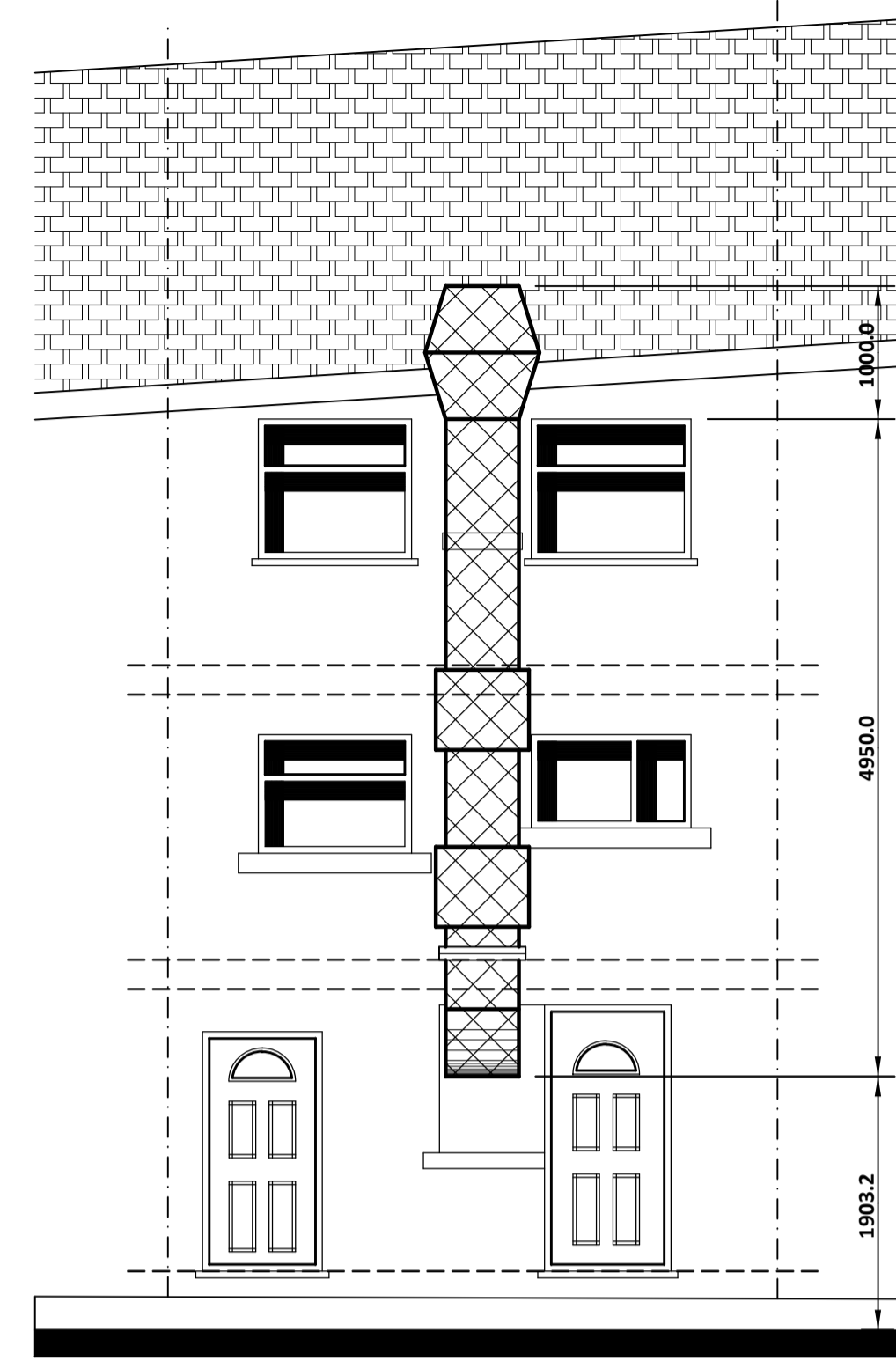
Revision:  
1m 2m 3m

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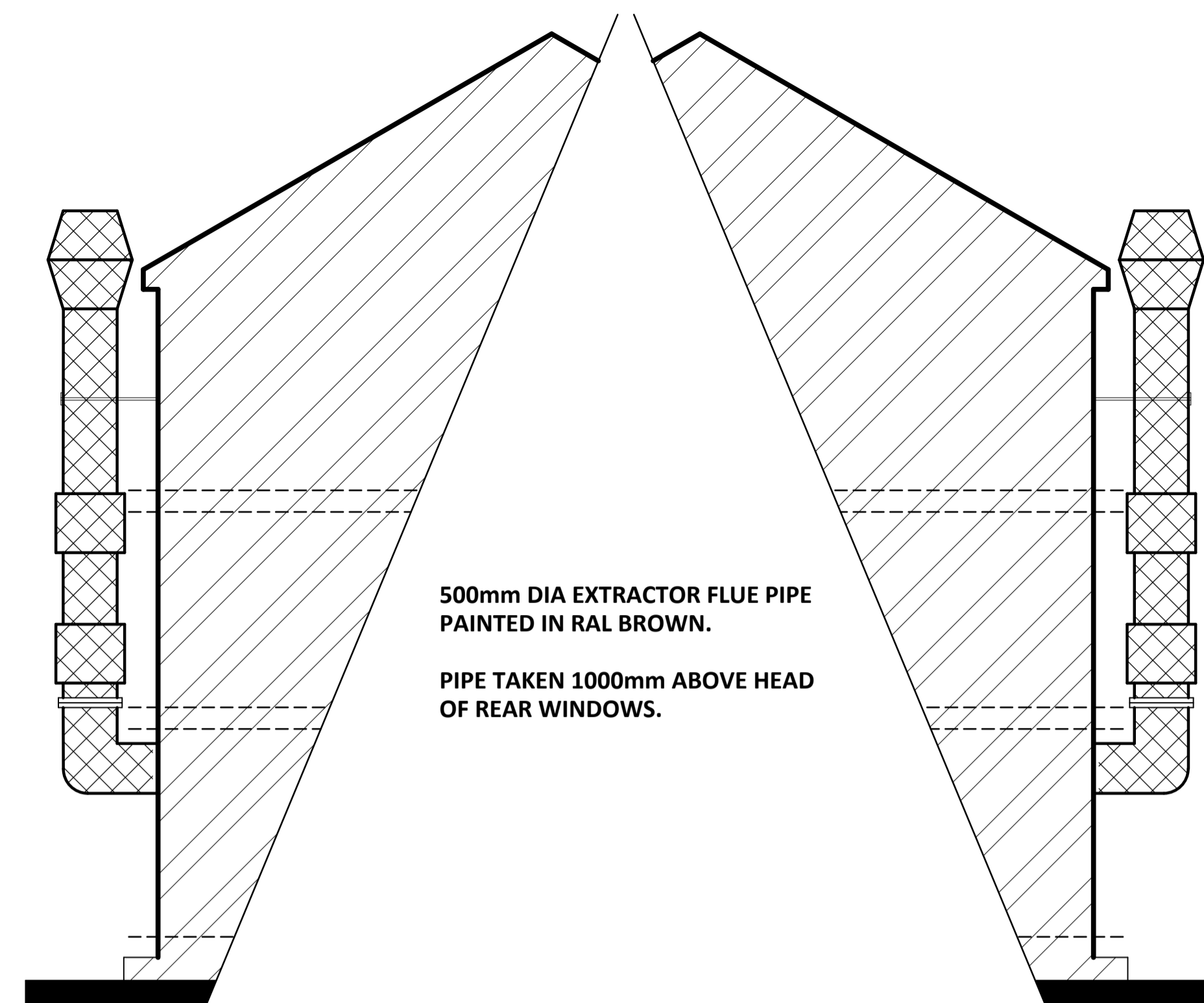
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**078/10/22/64/@A1**



existing rear elevation.



PROPOSED REAR ELEVATION.



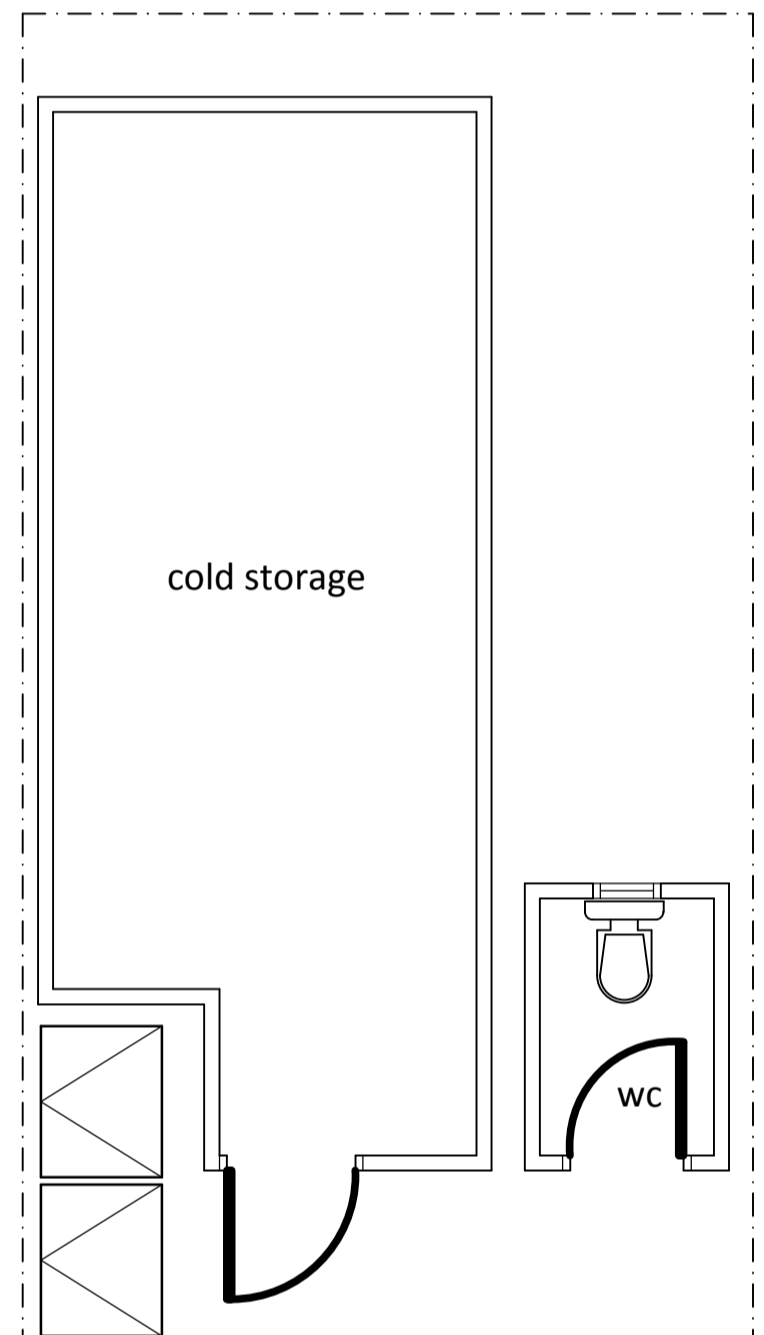
PROPOSED SIDE ELEVATION.

500mm DIA EXTRACTOR FLUE PIPE  
PAINTED IN RAL BROWN.

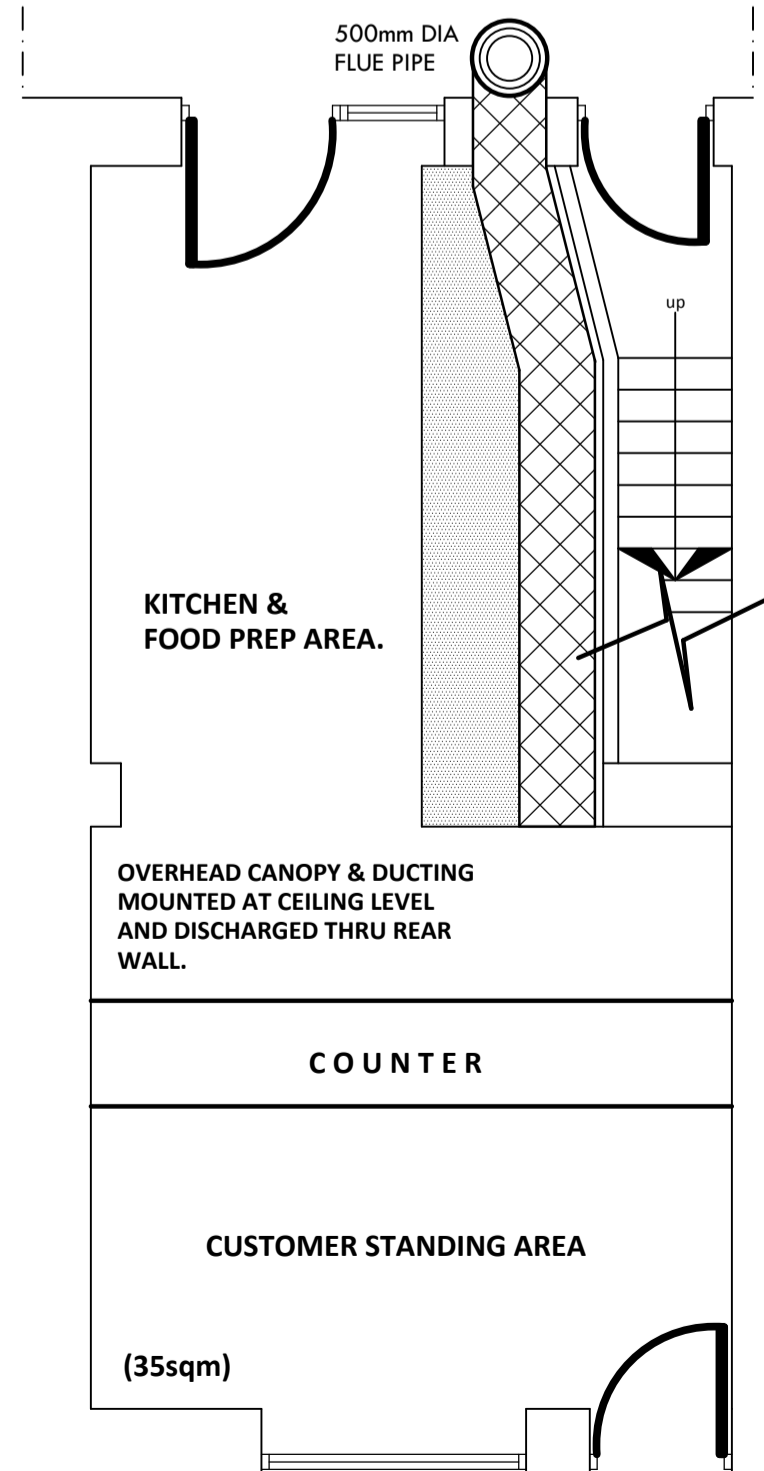
PIPE TAKEN 1000mm ABOVE HEAD  
OF REAR WINDOWS.

PROPOSED SIDE ELEVATION.

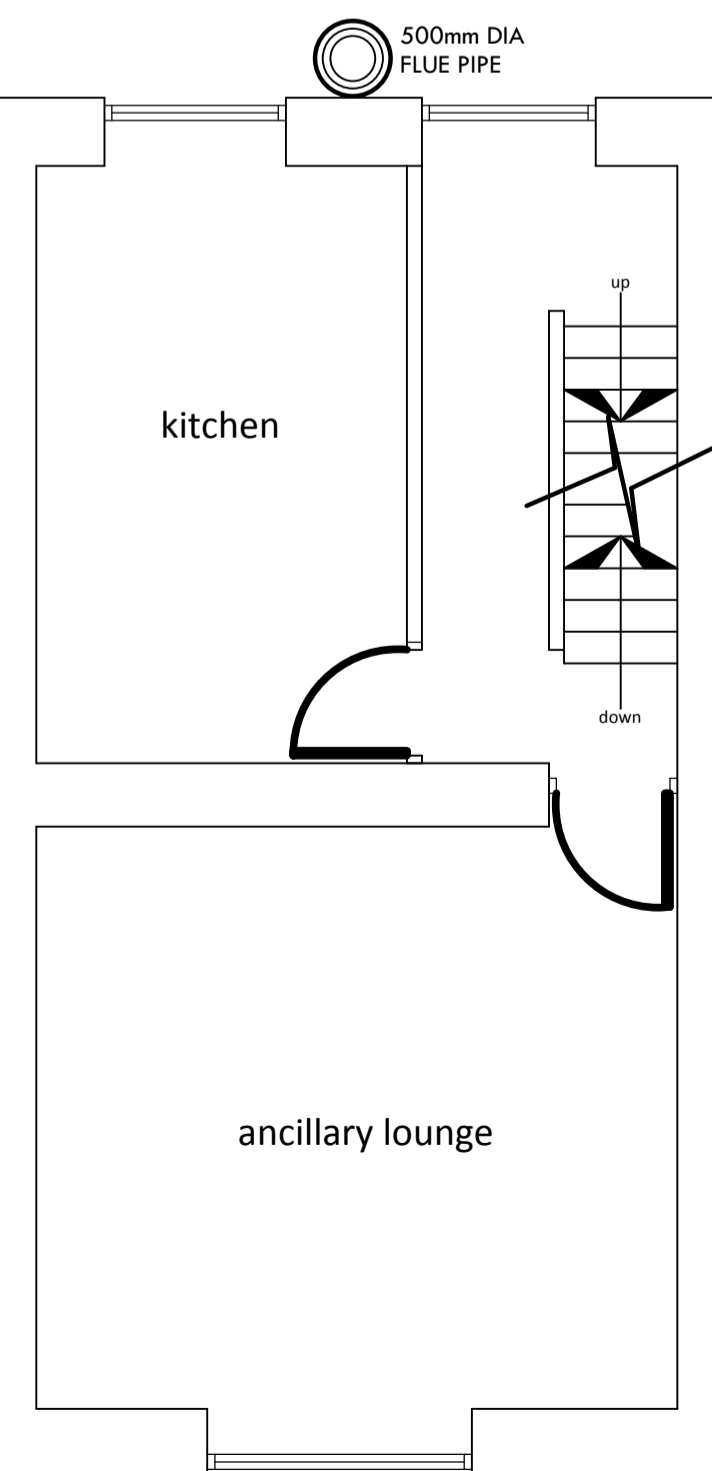
PROPOSED GROUND FLOOR LAYOUT. (1:50).



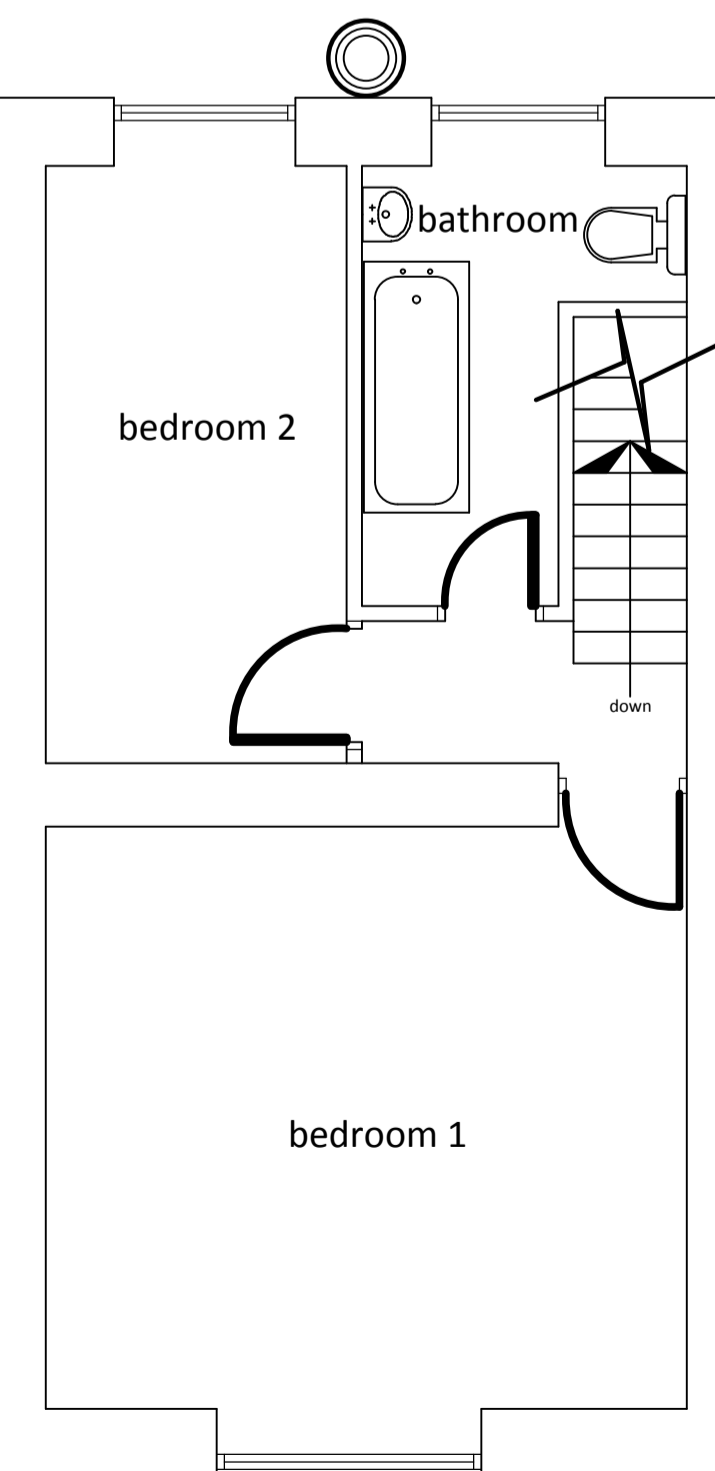
1100L COMMERCIAL BINS TO BE COLLECTED ON APPOINTED DAYS BY A COMMERCIAL REFUSE COLLECTION COMPANY.



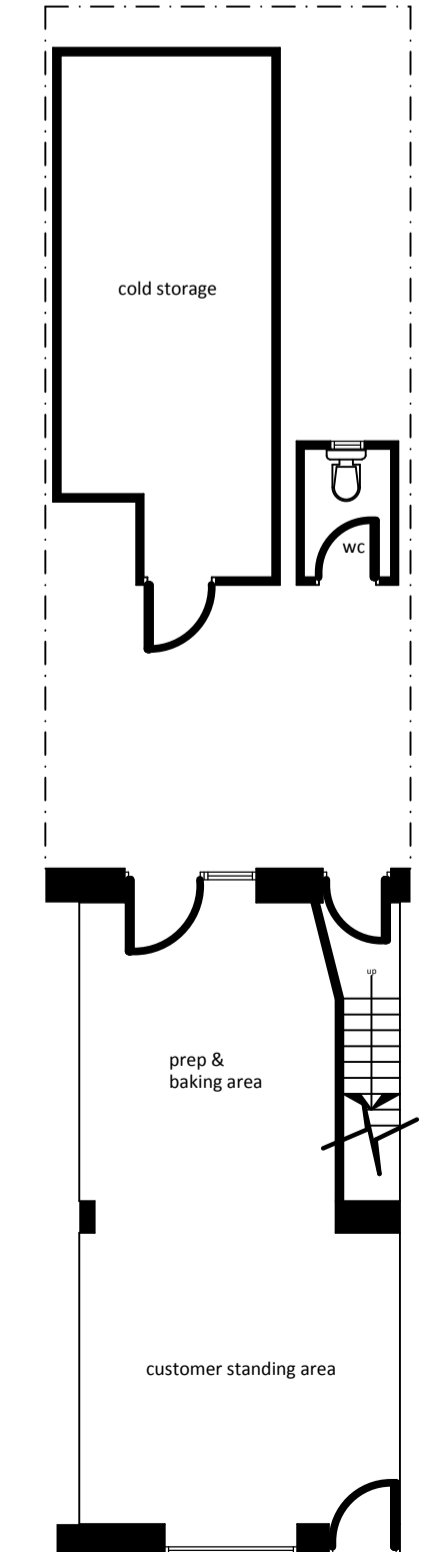
PROPOSED FIRST FLOOR LAYOUT. (1:50).



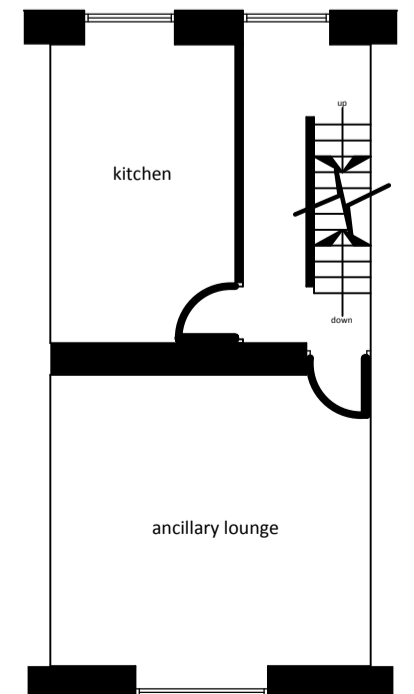
PROPOSED SECOND FLOOR LAYOUT. (1:50).



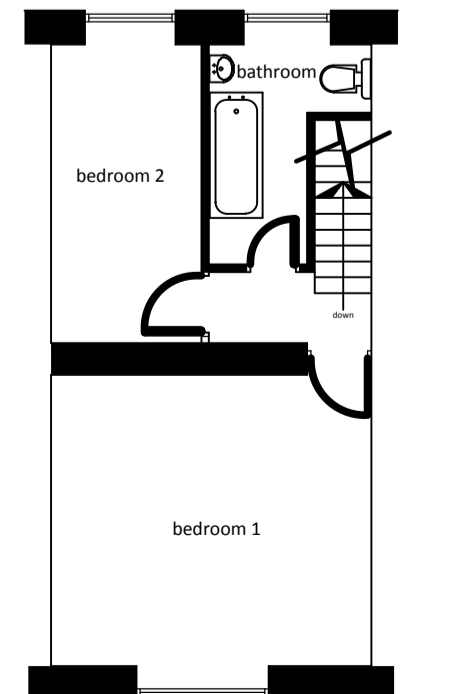
existing ground floor layout. (1:100).



existing first floor layout. (1:100).



existing second floor layout. (1:100).



**NOTE:**  
THE FIRST FLOOR AND SECOND FLOOR IS TO BE CONTINUED AS RESIDENTIAL USE BY THE APPLICANT MR MARK SOLOMON.