

Existing

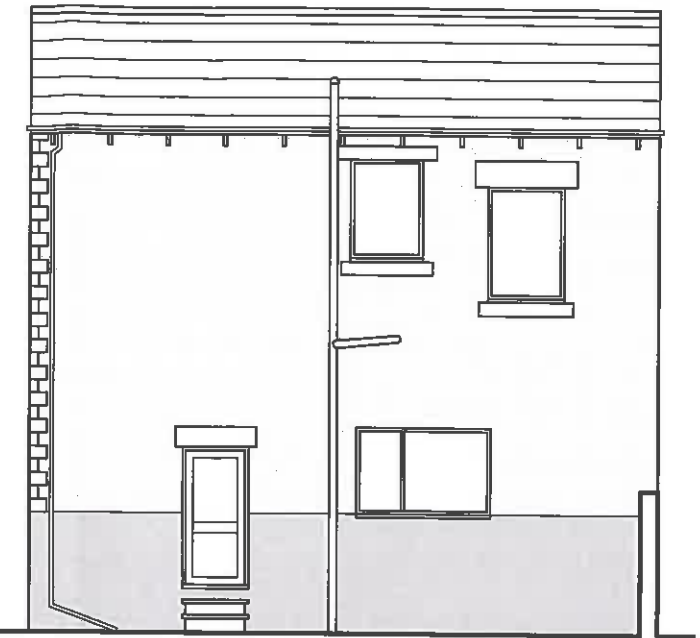


Existing Side Elevation



1: 5=25cm
1: 10=50cm
1: 20=100cm
1: 50=2.5m
1: 100=5m

1: 200=10m
1: 250=12.5m
1: 500=25m
1: 1250=62.5m
1: 2500=125m



Existing Rear Elevation

Proposed

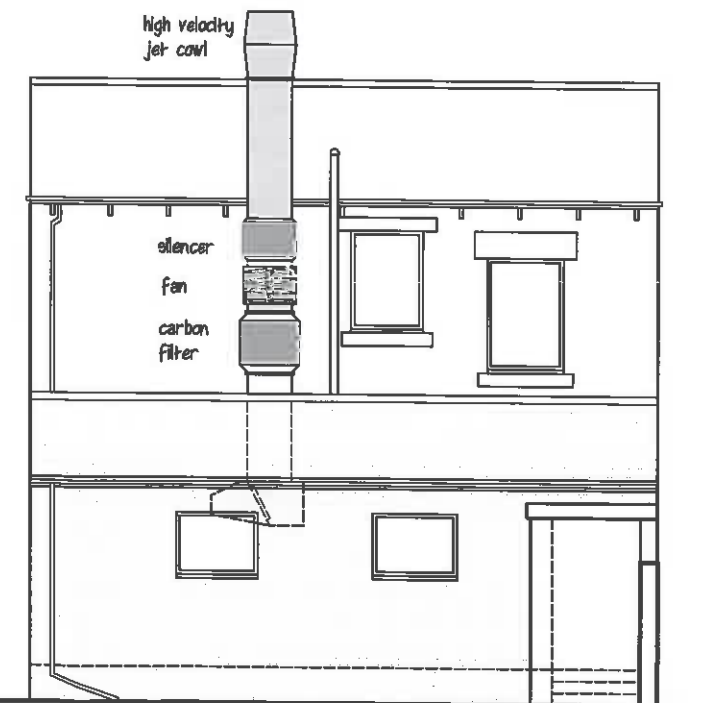


Proposed Side Elevation

1000
high velocity
jet cowl
silencer
fan
carbon
filter

Ceiling mounted fully welded stainless steel canopy above entire width of cooking equipment with minimum overhang 250mm at end and front, fitted with stainless steel fire resistant baffle type grease filters ensuring maximum collection of cooking oil in receptacle below canopy plenum. Suitably sized Vent-Axia centrifugal turbo fan 500mm diameter (high energy efficiency) fitted on anti-vibration mountings on rear external wall to give 60 no. air changes per hour in Kitchen area with minimum hood velocity 1.6m/sec, incorporating carbon filtration system 650x650x500mm deep consisting pre-filter and carbon filter units, silencer 500mm diameter ID fitted up stream of fan, using 600mm dia. galvanneal mild steel ductwork and discharge vertically through high velocity jet cowl 1m above roof line, Kitchen to have up to 5000 ft³/minute fresh air intake system with filter, also gas inter-lock device to comply with current regulations.

To eliminate any noise nuisance emitted from the extraction system, noise level of the fan to be measured at 3m from termination will be reduced from 70.5dBA to 50.5dBA via 500mm ID silencer fitted to upstream of the fan



Proposed Rear Elevation

These drawings are for Planning and Building Regulations approval only. Figured Dimensions must be taken in preference to scaled. All dimensions must be checked on site by the contractor. Advice of any discrepancies before commencing work, no liability is taken for any deviation or any unreported variations found on site prior or during work is in progress. The copyright of this drawing is vested in the Structural Engineer and must not be copied or reproduced without consent.

INTEGRATED
DESIGNS
& ASSOCIATES LTD
ARCHITECTURAL SERVICES & CONSULTANT ENGINEERS

38 OLD WALSALL ROAD
GREAT BARR
BIRMINGHAM B42 1NP
TEL: 0121 358 2233
FAX: 0121 357 7492

PROPOSED:

Change of Use - Commercial Kitchen G/F & Residential Flat F/F
44 Gordon Street, Barnsley S70 3PX (link to 502 Docaster Road)

CLIENT: Mr Jeff Zhang

DRAWN: TW

CHECKED:

REVISION:

SCALE: 1:100 on A3

DATED: 07/09/15

DWG: TW/826/303