

PROPOSED GROUND FLOOR PLAN
Scale 1:100

Boundary Line

- LEGEND**
- Existing wall
 - Existing wall to be demolished
 - Proposed wall - External
 - Proposed wall - Internal
 - Doors and windows to be removed
 - Doors and windows to be removed and replaced
 - Proposed doors and windows
 - Demolished roof line
 - Proposed roof



EXTRACT SYSTEM & MAINTENANCE DETAILS

1. **EXTRACT CANOPY**
S/S (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 /1.0m³/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**
A high pressure 500mm Ø Ella axial fan unit SCPP500/4–1 with sound level of 62 dB (A) @ 3 meters without attenuation. Speed regulator rating is at 1350 rpm with 2.01 m³/s air flow rate @ 250 Static Pressure Pa giving efflux velocity at the fine terminal of 10.25m/s – (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 1 DEP – cylindrical centre body 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.

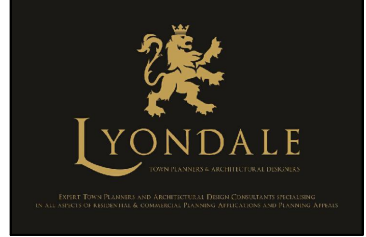
The ducting running from the exit point to the roof eaves will be wrapped in 30mm thick mineral wool with minimum density of 35kg/m³ to be held in place with light metal mesh, and metal or plastic strapping bands. Exposed part of the ducting above the eaves to be powder coated black.

The mineral wool insulation would be lagged with a membrane of flexible sound barrier matting with a surface weight of 1.0kg/m² and nominal thickness of 4mm (in black) to be applied around the duct with overlapped/sealed joints to be held in place in accordance with suppliers recommendations.

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

GENERAL NOTES

1. These drawings are prepared for design and planning submission purposes
2. Details dimensions and levels to be checked on site by builder prior to commencement of works. Any works commenced prior to all necessary local authority approvals are entirely at the risk of the owner & builder.
3. Structural details are subject to exposure of existing construction and verification by L.A Surveyor and any necessary revised details are to be agreed with the L.A Surveyor prior to carrying out the affected works.
4. All materials are to be used in accordance with the manufacturers' guidelines and all relevant British Standards Codes of Practice & Regulation 7 of Building Regs.
5. All works are to be carried out in accordance with Local Authority requirements.
6. The intended works fall within the Party Wall Act 1996 and any adjoining owners affected must be notified prior to commencement of any works.
7. Thames Water Authority permission to be obtained if building over or adjacent to sewers within 3 metres. (Tel: 08459 200 800)
8. No part of the extension to project into adjoining boundary lines.



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Title: Proposed Plans

Drawn: KA
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Scale: 1 : 100 @ A3
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