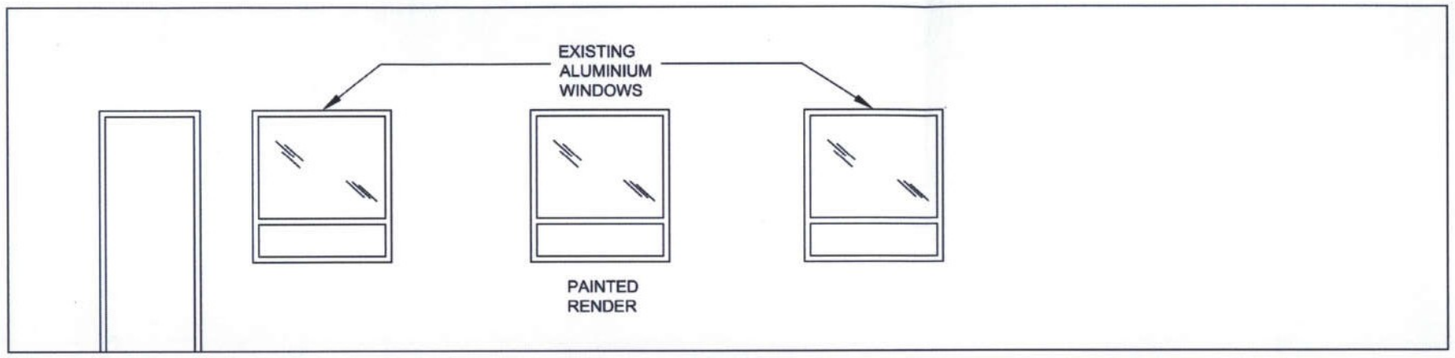
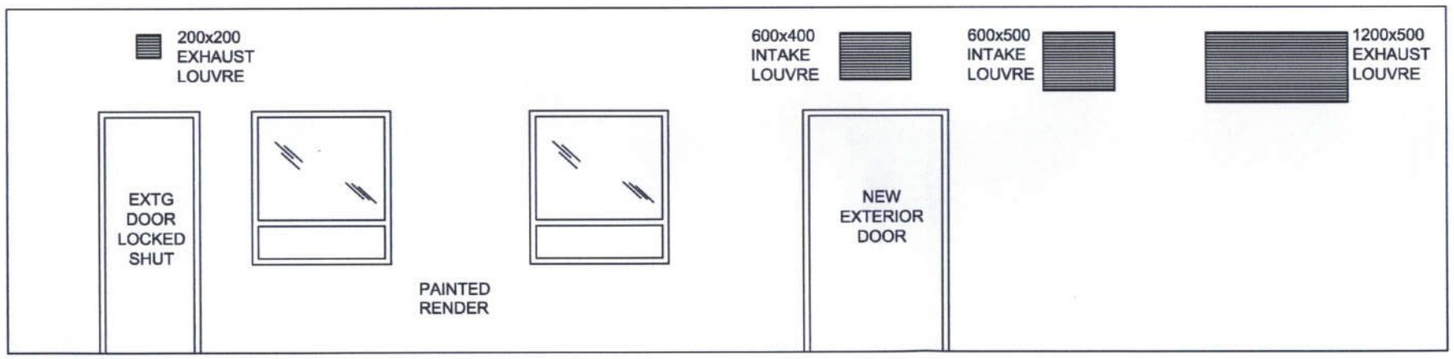
DO NOT SCALE FROM THIS DRAWING - STATED DIMENSIONS REFER. CONTRACTORS SHALL BE RESPONSIBLE FOR THE CHECKING OF ALL STATED DIMENSIONS, WITH ANY ANOMALIES BEING IDENTIFIED TO THE ORIGINATOR PRIOR TO ANY CONSTRUCTION OR FABRICATION WORKS COMMENCING.



EXISTING REAR ELEVATION



PROPOSED REAR ELEVATION

Revision	Date	Description

arc
part of riley consulting

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Status
PLANNING

Client
Sainsbury's

Project Title
SAINSBURY'S LOCAL
EASTWOOD ROAD,
RAYLEIGH

Drawing Title
PROPOSED & EXISTING
REAR ELEVATION

Project Number	Drawing Number	Revision
12 1238	301	

Drawn	Checked	Scale	Date
AD		1:50@A3	08.10.12

EEC ACOUSTILINE – WALL LINING SYSTEM

DESCRIPTION

The system offers a simple technique of applying to wall surfaces a sound absorption lining protected by a perforated metal facing.

The unique construction of the absorption panel features high resistance to impact damage whilst providing optimum acoustic absorption.

The Acoustiline panel comprises a tray formed of perforated pregalvanised mild steel sheet which can be supplied in powder coat paint finish with choice of colour to a standard BS/RAL reference.

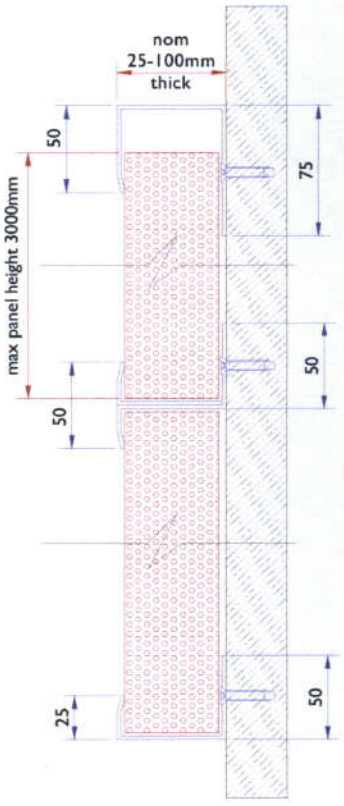
ACOUSTIC PERFORMANCE

Absorption coefficients measured in accordance with BS.3638 1987 and ISO 354 1985.

Frequency (Hz)	63	125	250	500	1K	2K	4K	8K
α 50mm thick	0.07	0.21	0.67	1.18	0.96	0.78	0.72	0.53
α 100mm thick	0.17	0.57	0.88	1.15	1.06	0.83	0.82	0.69

MATERIALS

Panel	0.7mm thick perforated white mild steel sheet or pregalvanised mild steel sheet with 33% open area.
Infill	45Kg/m^3 density mineral wool faced with tissue membrane. Melinex impermeable membrane facing to the mineral wool is also available
Channels	1.2mm thick galvanised mild steel sheet finished to match panels



INSTALLATION

The system consists of lengths of retaining channel which are fixed to the wall surface to form a series of horizontal trays.

The panels are inserted into the retaining channels and simply abut one another - no vertical supports are required other than the possible use of similar channels vertically at corners or finishing points

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