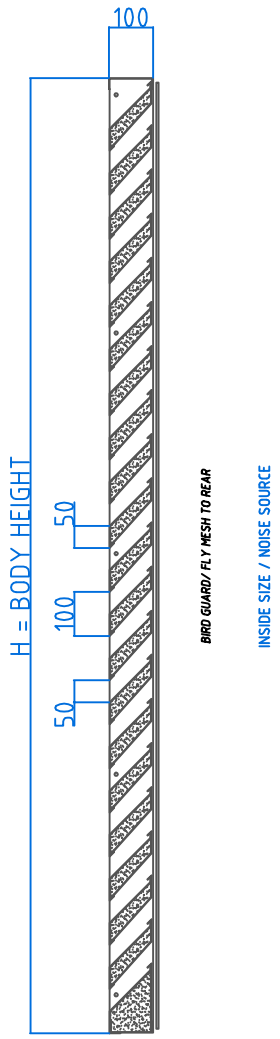
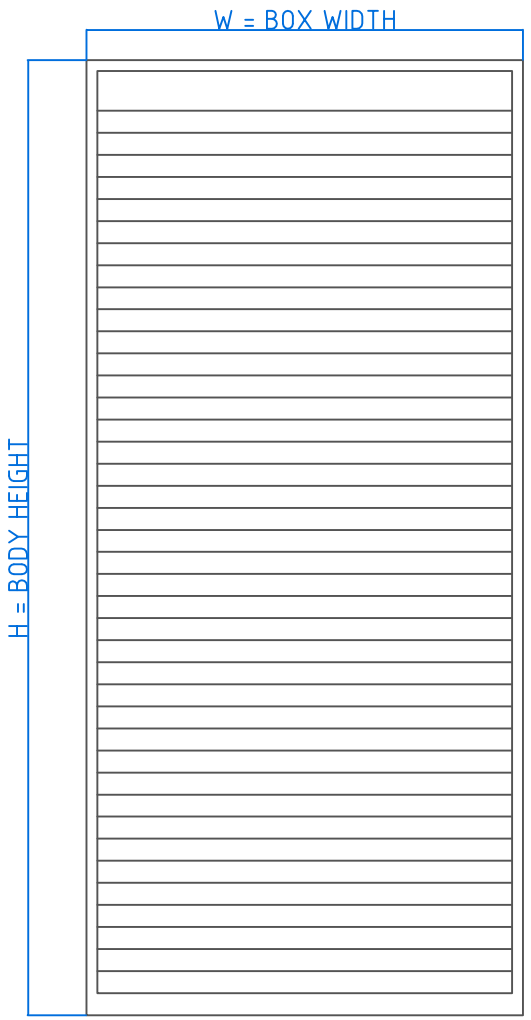


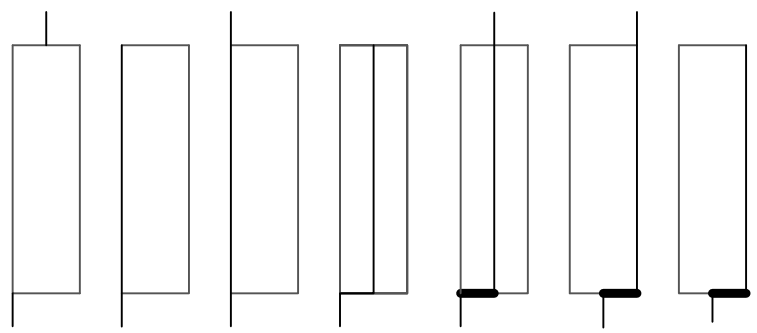
FRONT REAR

VERTICAL SECTION
THROUGH 100mm ACOUSTIC LOUVRE

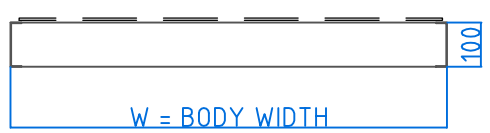


FRONT VIEW
100mm ACOUSTIC LOUVRE

FRONT REAR



FLANGES POSITIONED (OR OMITTED) TO SUIT CLIENTS' REQUIREMENTS



PLAN VIEW
100mm ACOUSTIC LOUVRE

LOUVRE SCHEDULE (TYPICAL)

McKENZIE-MARTIN 100mm ACOUSTIC LOUVRE SYSTEM

providing an effective means of reducing sound transmittance (20.4db at 2kHz) whilst allowing weathered ventilation.

Louvre blade incorporates sound absorption material contained within a double layer of perforated mesh. Inner layer 2mm diamond, black; outer layer 6mm diamond, black, or expanded aluminium mesh mounted to the rear of the louvre blade.

Louvre blades mounted horizontally at a vertical pitch of 100mm into a 100mm deep (nominal) box frame surround.

Available in pre-built modules for individual installation, or to be banked together to form continuous runs.

Accessories: System has a wide range of accessories available including bird guards, insect mesh, single skin blanking plates, insulated blanking plates, doors, perimeter flashings, edge details to interface with all types of cladding & building systems.

Finishes: Mill finish 1.2mm aluminium alloy to BS EN 485.

-or-
Plastisol coated 0.7mm steel in a full range of colours.
-or-
PVDf coated 0.7mm steel in a full range of colours.
-or-
Mill finish galvanised 0.9mm steel.
-or-
Aluminium alloy 1.2mm to BS EN 485 with a polyester powder paint finish (including Syntha Pulvin) in a wide choice of colours and gloss levels.
-or-
Galvanised 0.9mm steel with a polyester powder paint finish in a wide choice of colours and gloss levels.
-or-
Pre-coated units manufactured using a wide range of coated aluminium and steel substrates including HPS200 & Prisma, in a full range of colours.
-or-
Available using a wide variety of sheet materials including stainless steel, zinc, aluzinc, bronze & copper.

Technical Information:- System to have louvre blade configuration specifically designed, evaluated and tested by Salford University's Faculty of Applied Acoustics and Department of Aeronautical and Mechanical Engineering.

System to have been subjected to a series of controlled sound transmission tests, following the procedure detailed in BSEN ISO 717-1 2013 'Recommendations for Field and Laboratory Measurements of Airborne Sound Transmissions in Buildings'.

Unit to provide the following minimum noise reduction levels for each frequency:-

Frequency	Sound Reduction Index
63Hz	1.2dB
125Hz	4.6dB
250Hz	4.2dB
500Hz	6.0dB
1000Hz	9.4dB
2000Hz	17.2dB
4000Hz	15.9dB
8000Hz	13.4dB

Average Sound Reduction Index, R.ave (100-3150Hz) - 9dB
Weighted Sound Reduction Index, Rw - 11dB
Aggregate adverse deviation - 23.1dB
STC Rating - 13dB
ASTMS E413-73

Aerodynamic Co-efficient - 0.223

Standard louvre blade depth - 100mm

Profile Thickness - 0.7mm (steel) - 1.5mm (aluminium).

Louvre blade vertical pitch - 100mm.

Approximate weight of unit = 44 kg/m².

Design: Acoustic & Aerodynamic performance provided above to allow pressure loss and airflow rates to be calculated by the Project Mechanical Consultant.

All design details/specifications are to be approved by Architect/Agent before manufacture..

McKenzie-Martin Ltd
Ventilators - Louvres - Rooflights
Eton Hill Works. Eton Hill Rd. Radcliffe.Manchester. M26 2US
Telephone 0161-723 2234 Fax No. 0161-725 9531
www.mckenziemartin.co.uk general@mckenziemartin.c.o.uk

Title: 100mm ACOUSTIC LOUVRE

Project:

Iss.	Amendment	Date	Sig.
B		02-02-15	TK
A		04-08-14	CJF

Drawn By:	Date:	Checked By:	Approved Date:	Scale:	Job No.	Drg. No.
CJF	04-08-14	-	-	NTS	-	MM-100ACOUSTIC