

64 Weensland Road
Hawick
TD9 9NX

Louise McGeoch
Council Headquarters
Newtown St Boswells
Melrose
TD6 0SA

Chief Executive

26 JUN 2019

Democratic Services

19 June 2019

Dear Ms McGeoch

Planning Appeal 19/00005/RREF for Deans' Bar, 3 Orrock Place, Hawick, TD9 9HQ

I write in response to your request for further information in respect of the above appeal. Please find the information requested below:

- we propose to use a combination of a sound barrier material and sound absorbing foam to block and absorb any external noise coming in through the windows. The enclosed document details the dimensions of each board, the materials we propose to use including a technical specification of the foam laminate.

The boards will be fitted to the windows and secured by 4 latches per window, one for each side of each window so they can be removed when not required.

The boards will be in place for the duration of functions which involve music (live or amplified).

- the volume limiting equipment we propose to use is Sentry MK2 which is a cut off system with a large display which has the ability to control music levels. The technical specifications are enclosed.

Should you require any further information please let me know. The best way to contact me is via email at the email address shown at the top of this letter.

Yours sincerely

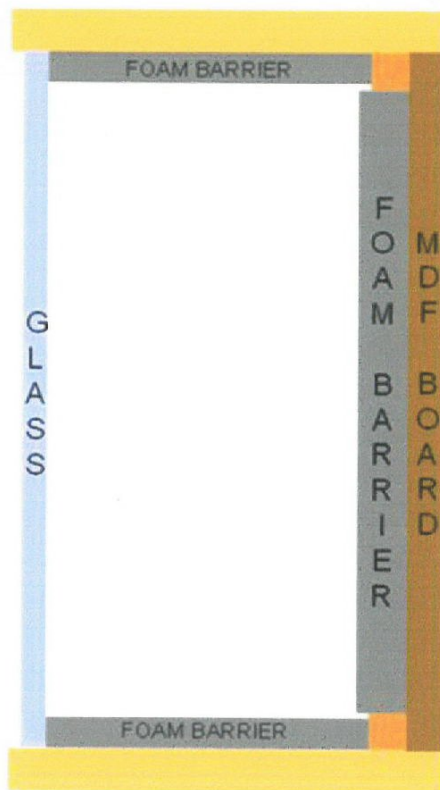


Mark Deans

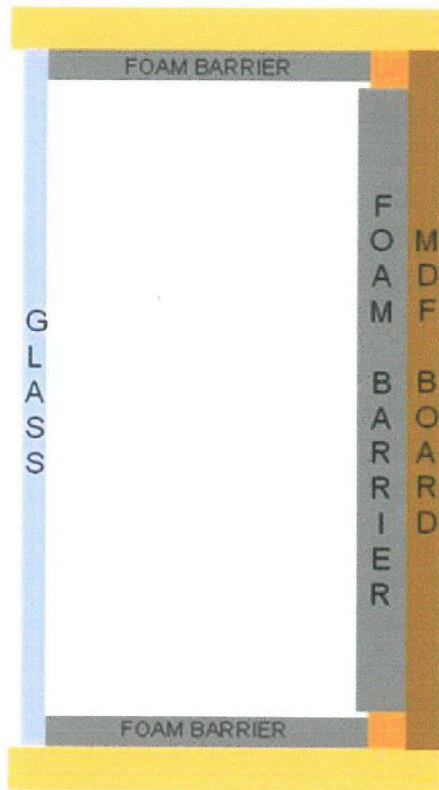
Acoustic Boards for Windows at Deans' Bar Function Room

As shown in the diagrams below we propose to use a combination of a sound barrier material and sound absorbing foam to block and absorb any external noise coming in through the windows. We will use an MDF board of 12mm that fits neatly within the window frames and will adhere to this sound absorption foam (SA25FF/B/6) which is a sandwich construction comprising both a 6mm and 25mm thickness of specially formulated soundproofing foam each side of a mineral loaded polymeric sound barrier with a tough black film facing. The technical specification for this is overleaf.

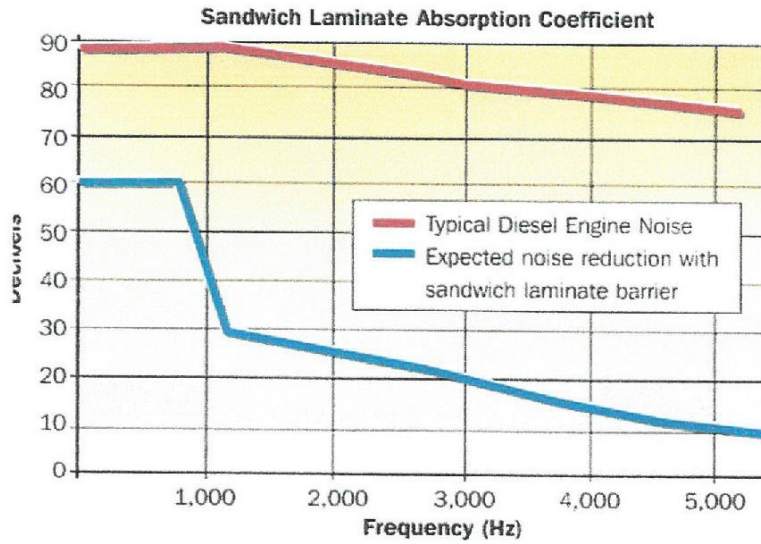
Left Window Board 1540mm x 1870mm



Right Window Board 1580mm x 1880mm



Foam Laminate (SA25FF/B/6) Technical Specification



General Physical Data

Colour	
Skin:	Black
Foam:	Grey
Supply Form:	Available in sheet form
Sheet Size:	nom. 1200 x 900mm (4ft x 3ft)
Nominal Thickness:	32mm +/- 1mm
Density	
Foam:	27-30kg/m ³
Barrier:	5kg/m ²
Film Face:	Polyurethane
Flammability	
FMVSS 302	Self-Extinguishing BS4735 Self-Extinguishing

SENTRY MK2 SOUND LEVEL CONTROL

Sound level monitoring Complete control

The Sentry MK2 is widely recognised as one of the most effective and versatile sound level control units of its type on the market and a market leader.

The trigger level can be set between 85-125dB, when triggered there is both a low voltage and mains output which is usually used to drive a contactor.

Two separate levels can be set so if different limits are required for example weekdays and weekends or daytime and night then this can be done with a switch, a timer version is available which will automatically switch at programmed times.

The level is set by a single adjustment under the panel. The display indicates how close or far the sound level is from the set threshold, the factory setting allows about 20 seconds over limit before tripping which is generally enough for the performer to adjust their level down. The time delay can be adjusted

074K



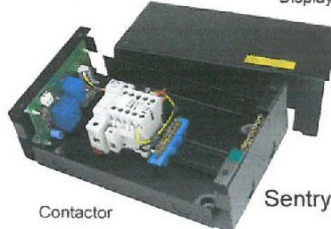
Remote Keyswitch

Remote reset options

074P



Remote push button



Contactor

The display/control box is available separately and can be used as a warning display or with a mains contactor.

Our contactor is 32A and in a box with a low voltage interface and fixing points to make installation easier with only a low voltage (<18V) and low current (<100mA) connection required between display and contactor box.

A double contactor version is also available if control of more than one ring is needed.

Display/Control unit



Sentry MK2

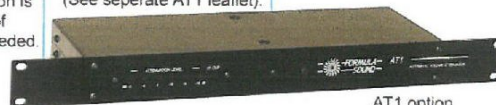
The second level is also useful if a lower level is needed if doors/windows are open when magnetic relays can switch levels.

A connection for an external microphone and phantom power is included, plus a connection for a remote reset box option (see left).

Below is the AT1 option that provides extra control (See separate AT1 leaflet).

There is also a security loop facility and alarm connection for emergency cut off such as fire alarm. Also provided is a set of isolated contacts that switch when the unit trips for any other requirement.

A choice of linear, "A", "C" and bass weighting is fitted, the weighting is selected by moving jumpers under the panel below the display.



AT1 option



www.formula-sound.co.uk

SENTRY MK2 SOUND LEVEL CONTROL

The Sentry MK2 display/control unit has an internal microphone and facility for an external mic. the display indicates how close the sound level is to a set threshold.

Sentry MK2

Threshold levels

Microphone

Display

Trip delay

Reset

Security Loop

Trip outputs

Warning output

Fire alarm interface

Weighting

Connections and adjustments

Case

Power

Dimensions

The threshold is set by an adjustable pot beneath the front panel, when the set level is exceeded a number of trigger outputs are presented.

The trigger outputs include a low voltage, a mains voltage and a set of isolated contacts.

Normally a contactor is connected to one of these outputs to control a mains ring, but equally the outputs can be used to drive a display or other device.

Our contactor uses the low voltage output and is rated at 32 Amps so is perfectly suited to controlling a 32A ring main. Using a low voltage connection also avoids unnecessary routing of mains cable.

When the display reaches warning level a warning output is enabled providing 60VA of mains power to drive a warning light if required.

For full details of the features download the product manual from our website.

A remote display option is available should a second display be required.

TECHNICAL SPECIFICATION

2 levels may be set between 85dB and 125dB, switching is by shorting two terminals

Internal electret microphone is fitted and a connection for an external microphone and 18V phantom power if required.

10 segments indicating -20dB, -10dB, -7dB, -5dB, -3dB, 0dB, -1dB, +1dB, WARNING (+2dB) and OVERLIMIT (+3dB).

Adjustable between 5 and 45 seconds.

Front panel push button or optional remote panel.

A shunting link which when broken trips the unit after a short delay.

Low voltage (12-18V at <100mA), 60VA mains and isolated contacts.

60VA mains

Can be set for volts applied, volts removed, contacts closing or contacts opening.

A choice of linear, "C", "A" or Bass selectable on jumpers.

Located beneath the display under a removable front cover.

High impact polycarbonate, flame resistance U1.94-V2, grey with clear cover.

240V or 110V internally selectable.

320mm wide x 261mm high x 120mm deep

Formula Sound reserve the right to alter the specification without notice

Sound Level Control

Formula Sound offer what is probably the most comprehensive range of sound level control equipment available.

The Sentry Lite is a slimmer and lower cost version "cut off" control unit offering 1 level setting, 2 weighting choices, security loop, remote reset options and remote microphone option.

For fixed installations the AVC range of 1RU units provides complete control of levels, the AVC2 and AVC2D will each control 1 stereo channel (the AVC2D can be microphone driven). The AVC4 will control 2 stereo levels.

The CX4 is a 1RU unit that will control 2 stereo levels and provide a comprehensive fire alarm interface. The CX10 is a 1RU 10 line fire alarm interface.

Formula Sound Limited

Tel: + 44 (0) 208 900 0947 FAX: + 44 (0) 208 903 8657

e-mail: info@formula-sound.com

Website: <http://www.formula-sound.com>

