

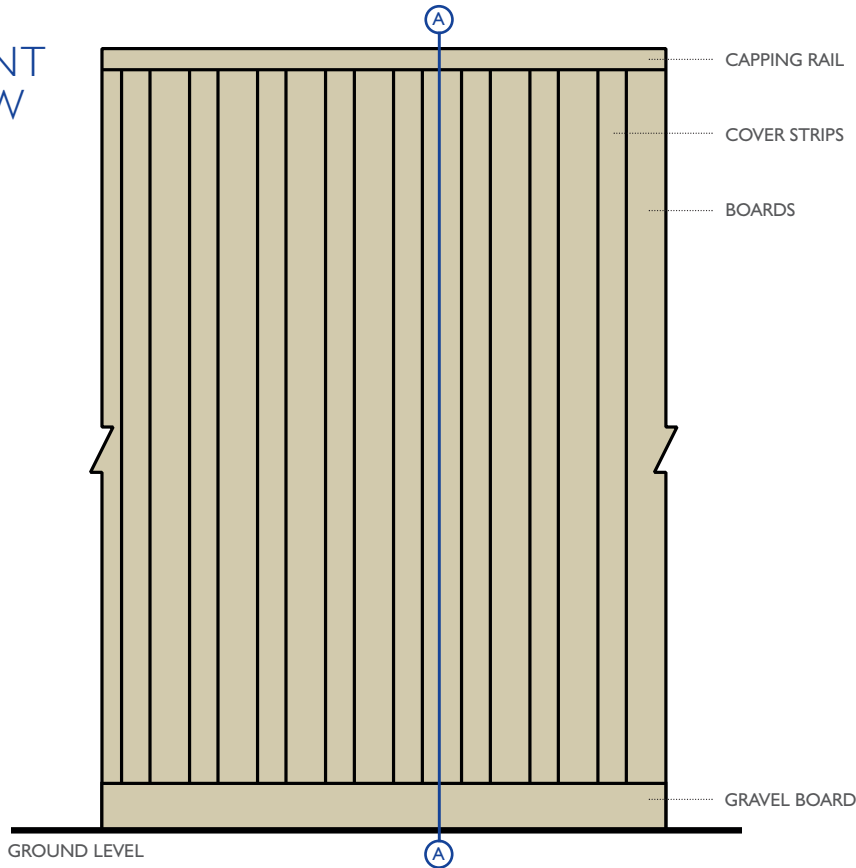
ABSORBENT SOUND SCREEN  
FITTED INTO STEEL POSTS

JANUARY 2021

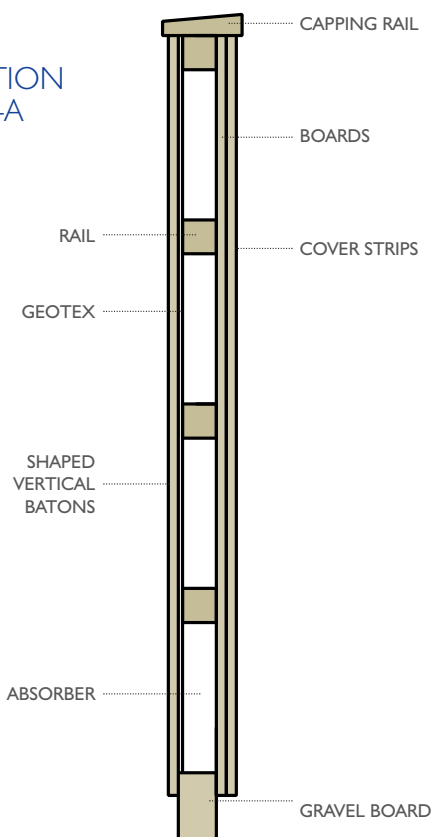
Please note:

1. Design and height to suit specific requirements.
2. Conforms and tested to BS EN 1793. Also tested and complies to BS EN 1794-1 and BS EN 1794-2
3. Complies with Highways Sector Scheme 2C for the prefabrication of environmental barriers.
4. Structural calculations available for individual site conditions.
5. Design in accordance with specification for Highway Works Clause 2504. Treatment to Sector Scheme 4.
6. Height of sound screen variable to suit specific locations. post centres at 3.0m unless otherwise specified.
7. Absorbent sound screens can be fitted to timber posts as an alternative.

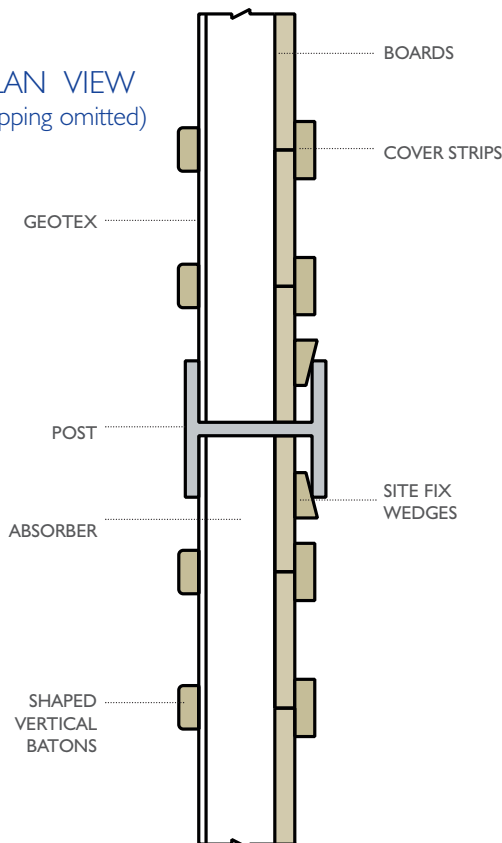
FRONT VIEW



SECTION A-A



PLAN VIEW  
(Capping omitted)



WESTERN WAY  
MARKET DRAYTON  
SHROPSHIRE, TF9 3UY  
TEL: **01630 653359**  
[www.halesawmills.co.uk](http://www.halesawmills.co.uk)



ABSORBENT SOUND SCREEN  
FITTED INTO STEEL POSTS

**BS EN 1793-1: 1998**

**Acoustics - Road traffic noise reducing devices**

**Test method for determining the acoustic performance**

JANUARY 2021

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SIZE: 12m<sup>2</sup>

RECEIVING ROOM

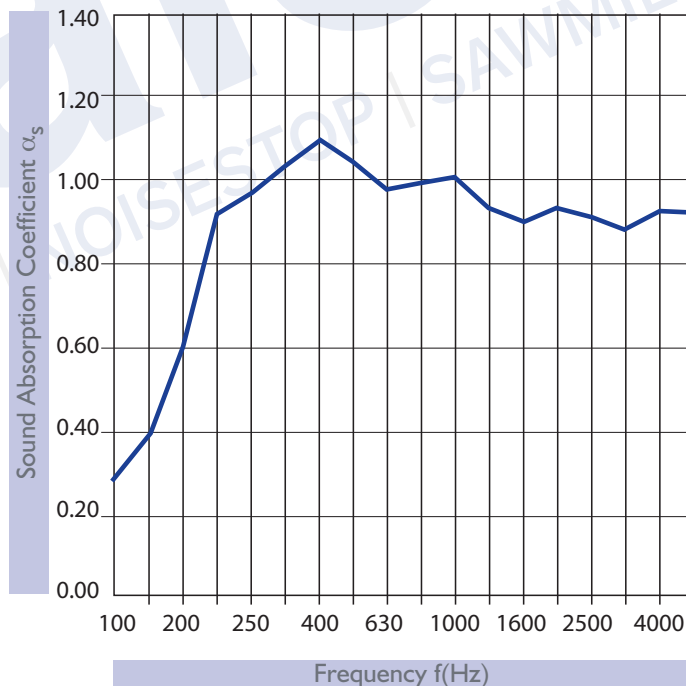
Volume: 220m<sup>3</sup>  
Condition: clean  
Type: large reverberation room  
Location: acoustic transmission suite

SAMPLE OUT: TEMPERATURE: 20.1°C HUMIDITY: 48.5%

SAMPLE IN: TEMPERATURE: 22.4°C HUMIDITY: 51.7%

DL<sub>α</sub>: 12 CATEGORY: A4

FREQUENCY HZ	α <sub>s</sub>
100	0.27
125	0.40
160	0.62
200	0.90
250	0.94
315	1.03
400	1.10
500	1.06
630	0.97
800	0.99
1000	1.00
1250	0.90
1600	0.89
2000	0.92
2500	0.90
3150	0.87
4000	0.92
5000	0.91



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Test results for HALES SAWMILLS LTD - ABSORBING SOUND SCREEN

Issued by: **University of Salford (Acoustics Test Laboratory)**

UKAS accredited test laboratory No. 1262

Test reference number: AC09/215/15

ABSORBENT SOUND SCREEN  
FITTED INTO STEEL POSTS

**BS EN 1793-2: 1998**

**Acoustics - Road traffic noise reducing devices**

**Test method for determining the acoustic performance**

SIZE: 8.64m<sup>2</sup>

SOURCE ROOM

Volume: 136m<sup>2</sup>  
Condition: clean  
Type: small reverberation room  
Location: acoustic transmission suite

RECEIVING ROOM

Volume: 220m<sup>2</sup>  
Condition: clean  
Type: large reverberation room  
Location: acoustic transmission suite

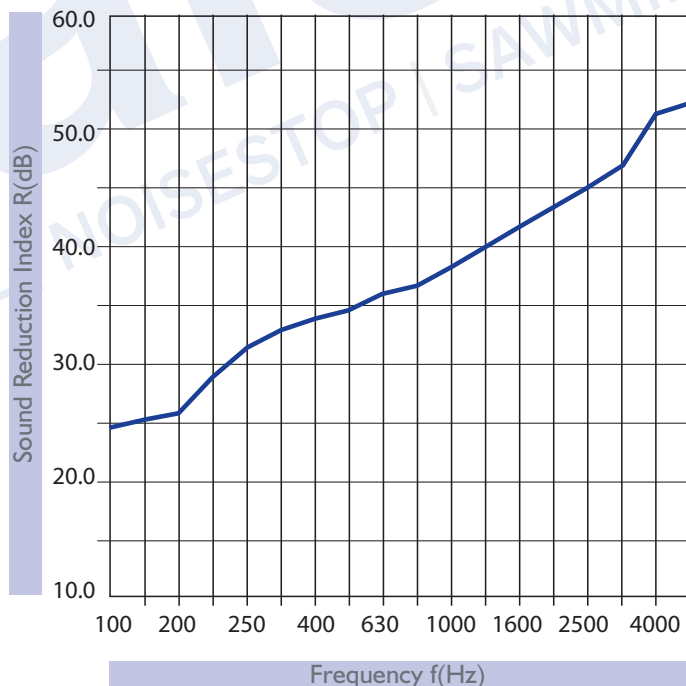
TEMPERATURE: 19.2°C

HUMIDITY: 56.3%

DL<sub>R</sub>: 35

CATEGORY: B3

FREQUENCY HZ	R
100	24.4
125	25.2
160	25.9
200	28.2
250	31.8
315	32.9
400	33.3
500	34.3
630	36.2
800	36.8
1000	38.0
1250	39.6
1600	41.6
2000	43.2
2500	44.9
3150	47.1
4000	51.3
5000	52.4



JANUARY 2021

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