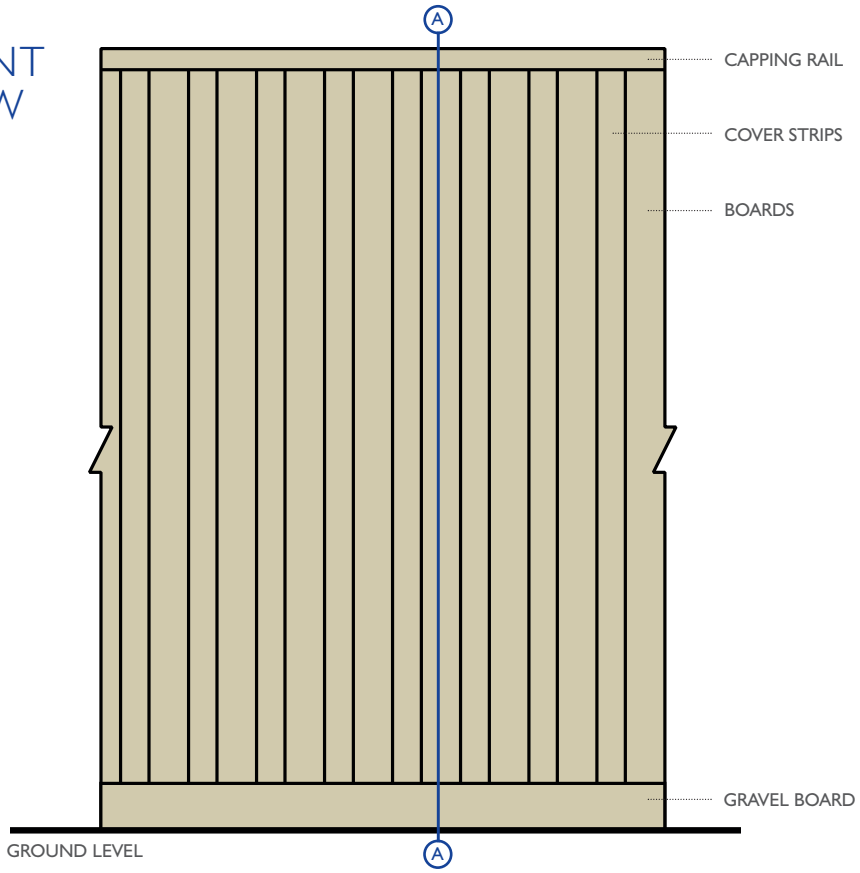
HALES SAWMILLS absorbent NOISEstop ACOUSTIC SCREENS

hales SAWMILLS LIMITED

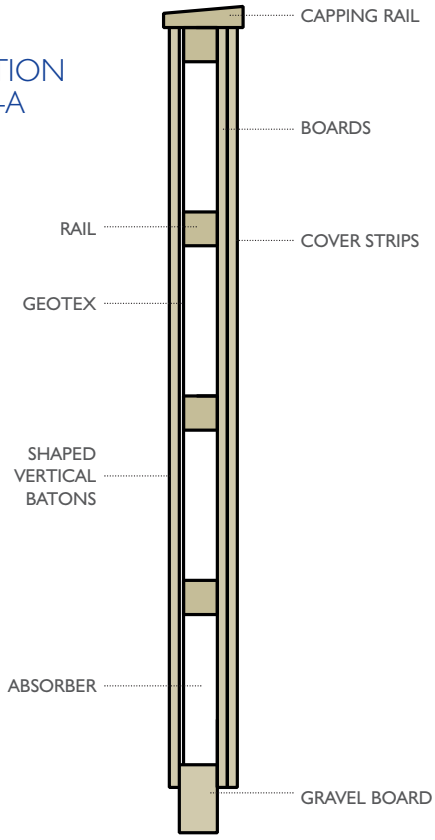
ABSORBENT SOUND SCREEN FITTED INTO STEEL POSTS

AUGUST 2012

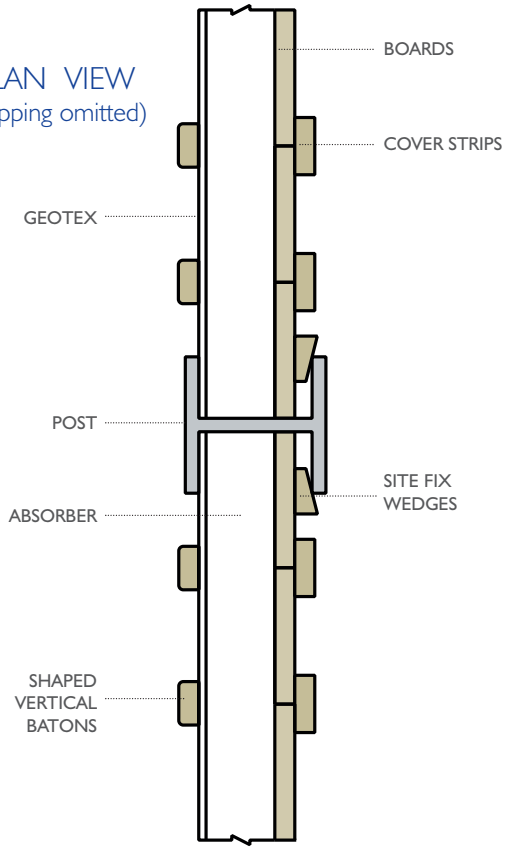
FRONT VIEW



SECTION A-A



PLAN VIEW (Capping omitted)



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 MAY BE REQUIRED BY QUALIFIED PERSONS, NO RESPONSIBILITY CAN BE ACCEPTED BY USING THIS DESIGN WITHOUT PROFESSIONAL ADVICE.
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 ALSO BE FITTED TO TIMBER POSTS AS AN ALTERNATIVE.

HALES, MARKET DRAYTON
SHROPSHIRE, TF9 2PP
TEL: **01630 653359**
FAX: **01630 658859**
www.halessawmills.co.uk

Tanalised™ TIMBER

HALES SAWMILLS **absorbent**
NOISEstop
ACOUSTIC SCREENS

hales
SAWMILLS
LIMITED

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

SIZE: 12m²

RECEIVING ROOM

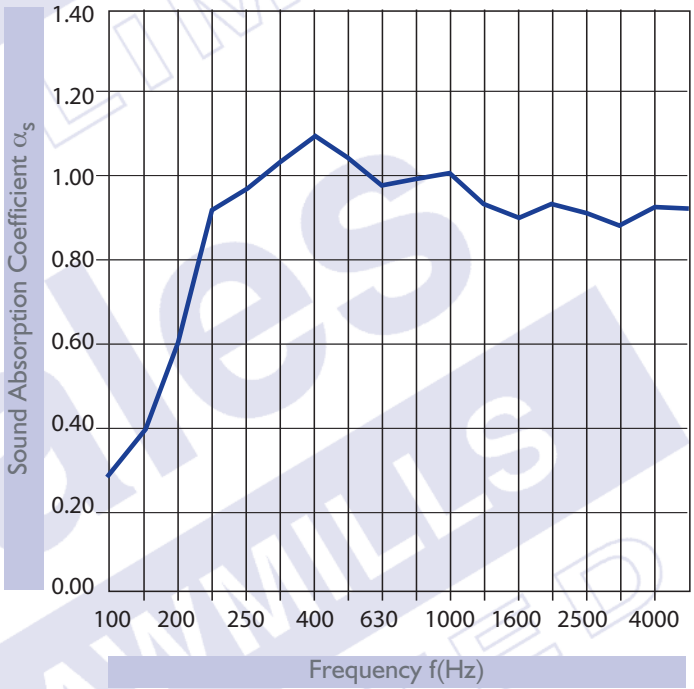
Volume: 220m²
Condition: clean
Type: large reverberation room
Location: acoustic transmission suite

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

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

DL_α: 12 CATEGORY: A4

FREQUENCY HZ	α_s
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



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

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ABSORBENT SOUND SCREEN FITTED INTO STEEL POSTS

BS EN 1793-2: 1998

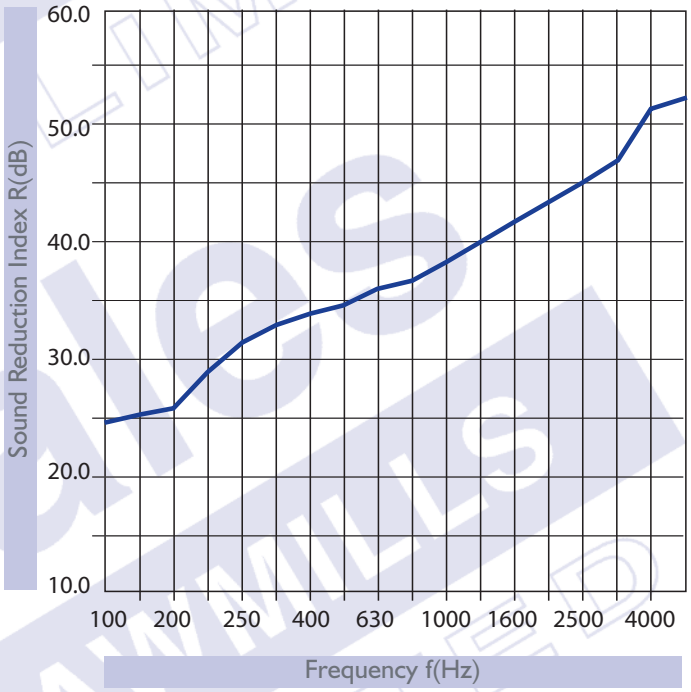
Acoustics - Road traffic noise reducing devices Test method for determining the acoustic performance

SIZE:	8.64m²

SOURCE ROOM		RECEIVING ROOM	
Volume:	136m²	Volume:	220m²
Condition:	clean	Condition:	clean
Type:	small reverberation room	Type:	large reverberation room
Location:	acoustic transmission suite	Location:	acoustic transmission suite

TEMPERATURE:	19.2°C		
HUMIDITY:	56.3%		
DL_R :	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



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