

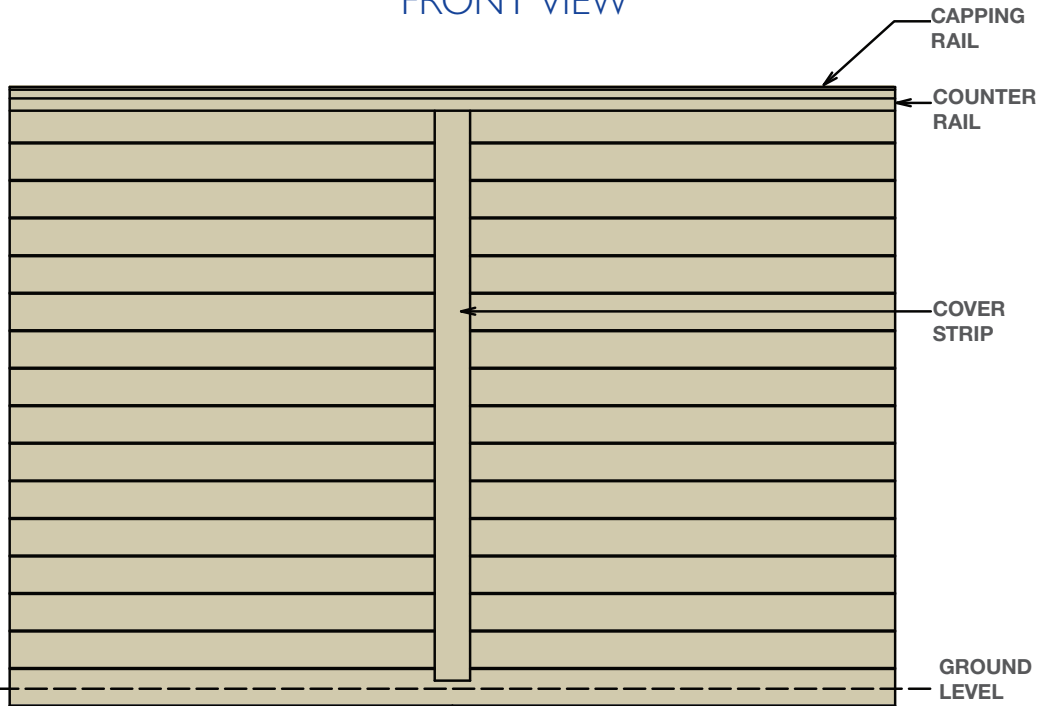
GROOVY REFLECTIVE ACOUSTIC SCREEN

AUGUST 2014

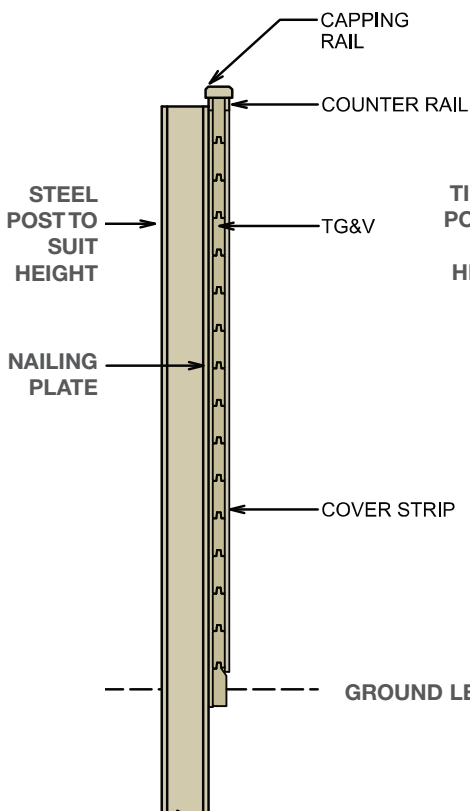
PLEASE NOTE:

1. STRUCTURAL CALCULATIONS MAY BE REQUIRED BY QUALIFIED PERSONS, NO RESPONSIBILITY CAN BE ACCEPTED BY USING THIS DESIGN WITHOUT PROFESSIONAL ADVICE.
2. DESIGN IN ACCORDANCE WITH SPECIFICATION FOR HIGHWAY WORKS CLAUSE 2504. TREATMENT TO SECTOR SCHEME 4.
3. REFLECTIVE SOUND SCREEN FITTED TO TIMBER POSTS OR STEEL POSTS.
4. HEIGHT OF SOUND SCREEN VARIABLE TO SUIT SPECIFIC LOCATIONS. POST CENTRES AT 3.0M UNLESS OTHERWISE SPECIFIED.
5. CONFORMS AND TESTED TO BS EN 1793. ALSO TESTED AND COMPLIES TO BS EN 1794-1 AND BS EN 1794-2.
6. AVERAGE DENSITY 30.7 KG/M² (EXCLUDING POSTS)

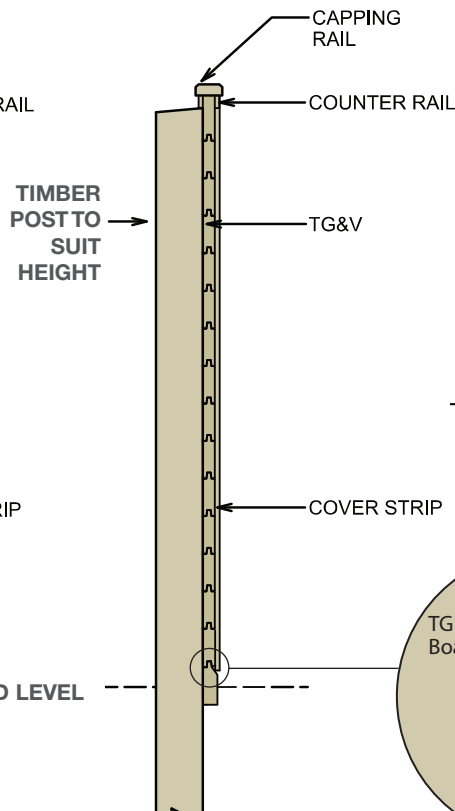
FRONT VIEW



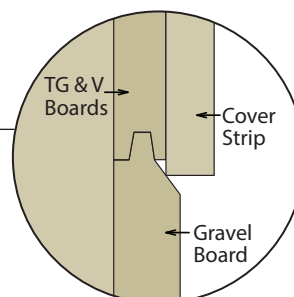
SIDE VIEW
STEEL POST



SIDE VIEW
TIMBER POST



TG&V BOARD DETAIL
(1:10@A4)



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



GROOVY REFLECTIVE ACOUSTIC SCREEN

BS EN 1793-2: 1998

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

SIZE: 8.64m²

SOURCE ROOM

Volume: 136m²
 Condition: clean
 Type: small reverberation room
 Location: acoustic transmission suite

RECEIVING ROOM

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

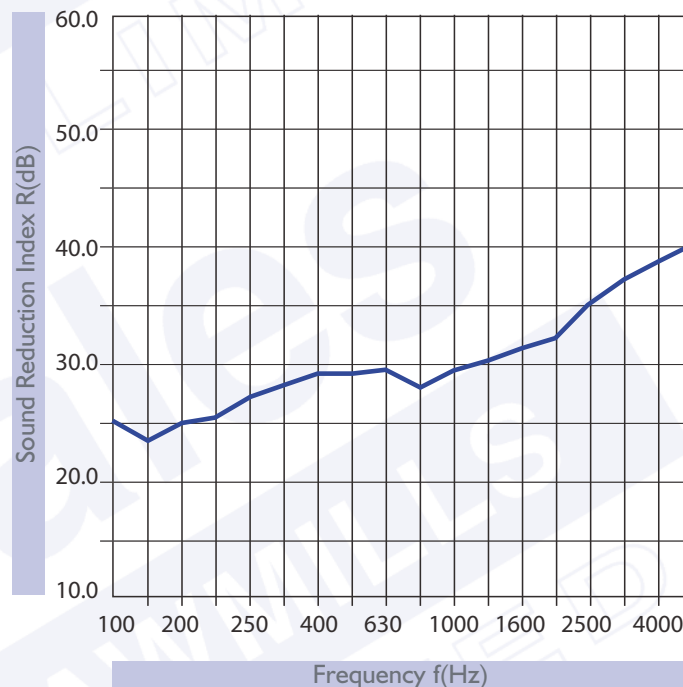
TEMPERATURE: 18.8°C

HUMIDITY: 43.1%

DL_R: 29

CATEGORY: B3

FREQUENCY HZ	R
100	25.7
125	23.8
160	25.0
200	25.6
250	27.3
315	28.2
400	29.3
500	29.1
630	29.5
800	28.0
1000	29.5
1250	30.4
1600	31.4
2000	32.3
2500	35.4
3150	37.4
4000	38.9
5000	40.5



Test results for HALES SAWMILLS LTD - REFLECTIVE SOUND SCREEN, issued by:

University of Salford (Acoustics Test Laboratory)

UKAS accredited test laboratory No. 1262

Test reference number: 772-684

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



ABSORBENT ACOUSTIC SCREEN

BS EN 1793-1: 1998

Acoustics - Road traffic noise reducing devices

Test method for determining the acoustic performance

SIZE: 8.64m²

SOURCE ROOM

Volume: 136m³
 Condition: clean
 Type: small reverberation room
 Location: acoustic transmission suite

RECEIVING ROOM

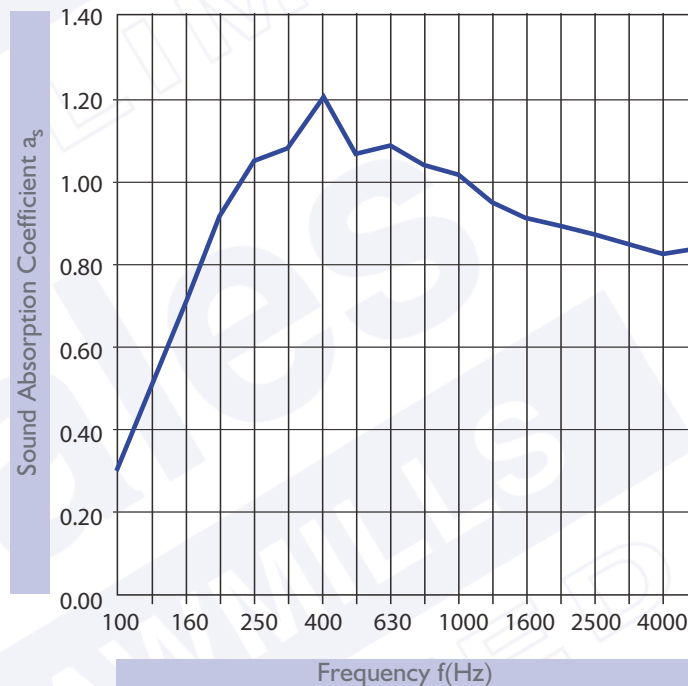
Volume: 220m³
 Condition: clean
 Type: large reverberation room
 Location: acoustic transmission suite

SAMPLE OUT: Temperature: 20.1°C Humidity: 42.4%

SAMPLE IN: Temperature: 19.0°C Humidity: 42.2%

DL_a: 15 CATEGORY: A4

FREQUENCY HZ	a _s
100	0.30
125	0.51
160	0.71
200	0.91
250	1.04
315	1.07
400	1.20
500	1.06
630	1.08
800	1.02
1000	1.01
1250	0.95
1600	0.92
2000	0.91
2500	0.86
3150	0.84
4000	0.81
5000	0.83



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