

#### NOTES

Design of Screen is dependant on individual specifications and the drawing shown is for illustrative purposes only.

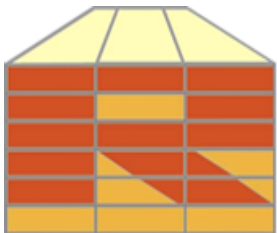
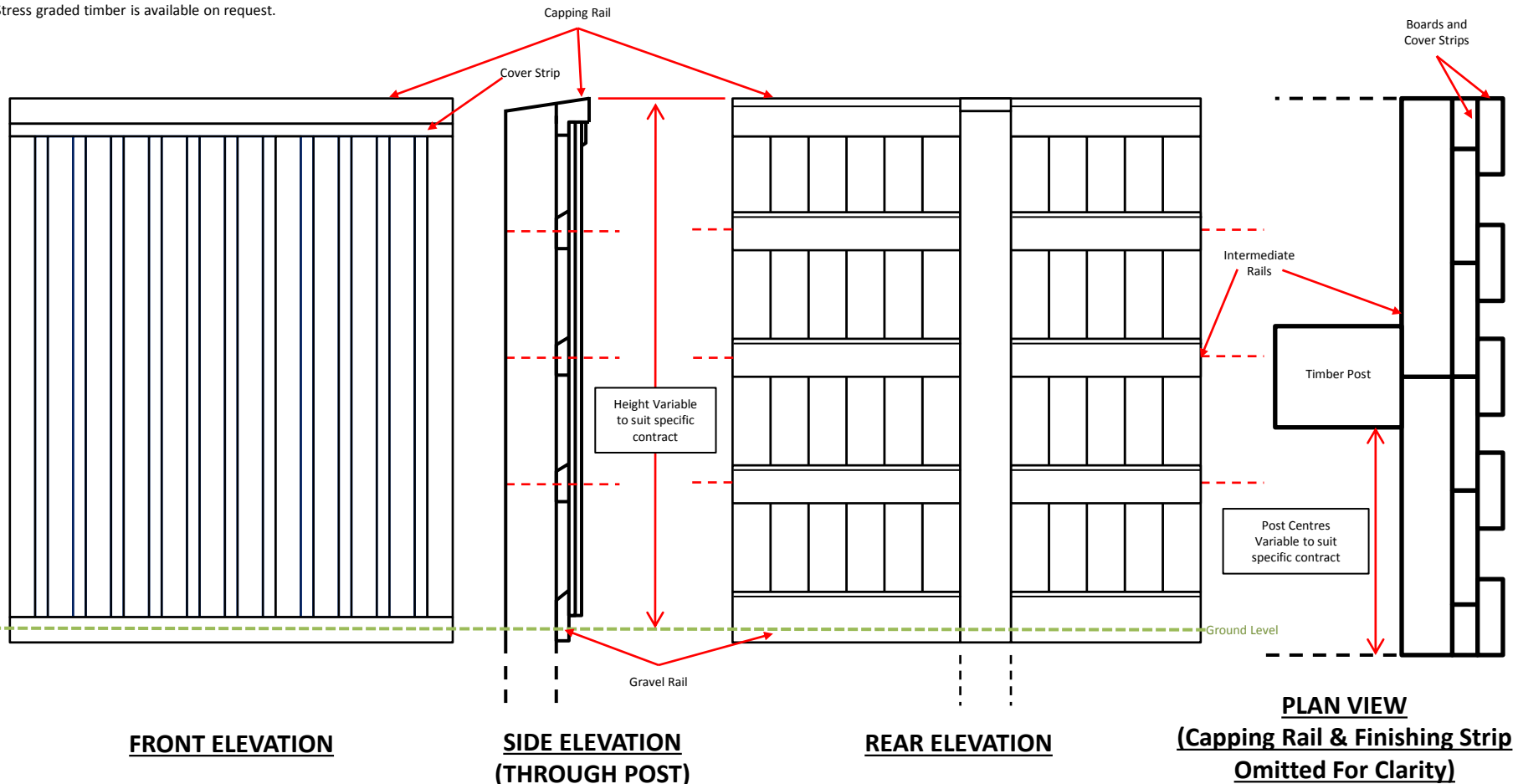
Posts are of timber construction – The exact design criteria for special structures should be specified by a professional designer and qualified for intended purpose by a structural engineer.

Stress graded timber is available on request.

# NOISEWALL

#### IMPORTANT NOTE

Charles Ransford & Son Ltd are not attempting to pass off as designers and therefore do not take responsibility for any persons adopting this design as a structure without seeking professional advice first. Charles Ransford & Son Ltd are manufacturers and operate on the principle of supply what is ordered. It remains the clients responsibility to ensure the ordered materials are adequate and fit for purpose for the intended application



CHARLES RANSFORD & SON  
TIMBERSPECIALISTS SINCE 1876

Station Street, Bishops Castle  
Shropshire, SY9 5AQ

**Telephone:** 01588 638331

**Fax:** 01588 638853

**Email:** info@ransfords.co.uk

# NOISEWALL

**Noisewall**© Single Sided Reflective Timber  
Sound Screen On Timber posts  
(for illustration purposes only)

This Drawing is the Property of Charles Ransford & Son Ltd And May Not Be Copied Or Reproduced In Any Way Without Prior Written Permission.

**Scale:** Not Applicable

**Drawn:** RAM

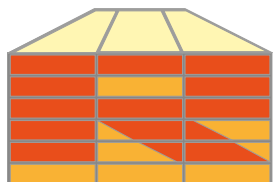
**Date:** 26.08.12

**Checked:** RAM

**Date:** 02.09.12

**Drawing No:**

RANS/Noisewall©/Timberpost/001



CHARLES RANSFORD & SON  
TIMBERSPECIALISTS SINCE 1876

T: 01588 638331 • F: 01588 638853 • E: info@ransfords.co.uk

Issued by University of Salford (Acoustics Test Laboratory)  
UKAS ACCREDITED TEST LABORATORY NO. 1262

**BS EN 1793-2 : 1998**

**Acoustics- Road traffic noise reducing devices**

**Test method for determining the acoustic performance**

**Client:** Charles Ransfords & Son Ltd  
Station St  
Bishop's Castle  
Shropshire SY9 5AO

**Object:** Noisewall® - Single Sided Reflective Barrier with Vertical Boards & Cover Strips

**Source room:**

**Volume:** 136m<sup>3</sup>

**Condition:** clean

**Type:** small reverberation room

**Location:** acoustic transmission suite

**Receiving room:**

**Volume:** 220m<sup>3</sup>

**Condition:** clean

**Type:** large reverberation room

**Location:** acoustic transmission suite

**Temperature (°C):** 21.1

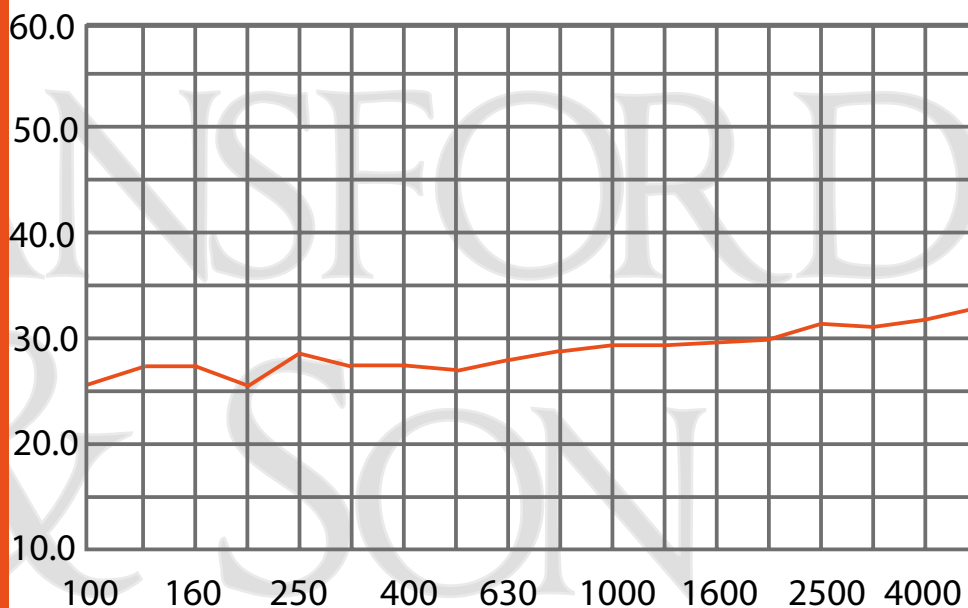
**Humidity (%):** 53.4

$DL_R = 29$

**Category:** B3

| Frequency<br>Hz | R    |
|-----------------|------|
| 100             | 25.5 |
| 125             | 26.6 |
| 160             | 26.9 |
| 200             | 25.9 |
| 250             | 28.1 |
| 315             | 27.4 |
| 400             | 27.7 |
| 500             | 27.0 |
| 630             | 28.4 |
| 800             | 28.8 |
| 1000            | 29.1 |
| 1250            | 29.0 |
| 1600            | 29.4 |
| 2000            | 30.0 |
| 2500            | 32.1 |
| 3150            | 31.8 |
| 4000            | 32.6 |
| 5000            | 33.0 |

Sound reduction index, R (dB)



frequency, F (Hz)

**Test reference number:** 44-18

**Date:** 17/06/10

University of Salford, School of Computing, Science & Engineering

SSV1