

Noisewall Double Sided Reflective Noise Barrier

Technical Data

- Reflective Category B3
- Category ratings according to BS EN 1793-2:1998
- Laboratory tested sound reduction up to 33dB
- NHSS certified
- Approximate weight = 60kg/m²



Layer / Component	Density kg/m ³	Standard Superficial Mass kg/m ²	Function
Face Boards (2 layers full coverage)	530	23.32	Primary sound reflecting surface
Cover Boards (2 layers 50% coverage)	530	11.66	Secondary sound reflecting surface. Seals joins to make panels impermeate
Total		34.98	Combined superficial mass / surface density

Comparing products the right way

When comparing this data please bear in mind that not all suppliers use the same approach and may quote misleading figures. It is essential to ensure you are comparing like with like. **Superficial mass should not be compared with average density or weight.**

The Ransfords range of noise barriers are:

- Independently tested to recognised standard
- Value engineered using advanced sawmill technology
- Available with CE marking for prefabricated panels when specified
- Proven in use near roads, railways, manufacturing and distribution facilities
- Extremely durable
- Available in both reflective and absorbent specifications
- Aesthetically pleasing
- Fully compliant with Highways Agency Standard treatment
- Made in the UK from sustainable British timber

Contact

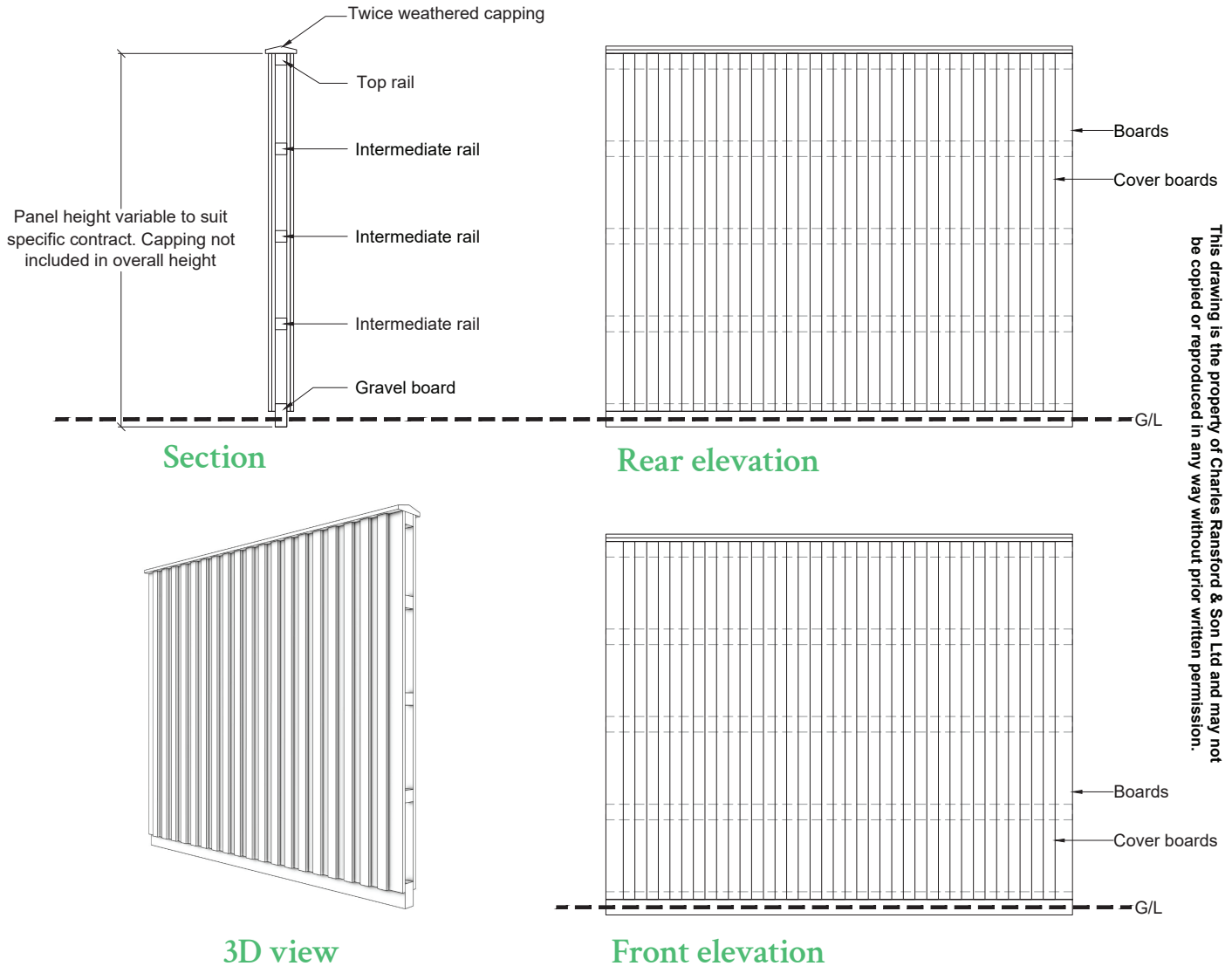
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Standard detail



Important notes

- The design of the noise barrier is dependant on individual specifications and this drawing is shown for illustrative purposes only.
- The exact design criteria should be specified by a professional designer and qualified for intended purpose by a structural engineer. Any structural requirements must be specified prior to manufacture. Strength graded timber is available on request.
- The noise barriers can be installed on timber or steel posts. Post sizes must be specified by a structural engineer to suit the specific contract. The method used for fixing the noise barriers to the posts is the responsibility of the customer.
- Charles Ransford and Son Ltd do not take responsibility for any persons adopting this design as a structure without seeking professional advice first. Charles Ransford and Son Ltd are manufacturers and operate on the principle of supplying what is ordered. It remains the customer's responsibility to ensure ordered materials are adequate and fit for purpose for the intended application.

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UKAS Certificate

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 Ransford & Son Ltd
Station St
Bishop's Castle
Shropshire SY9 5AQ

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

Source room:

Receiving room:

Volume: 136m³

Volume: 220m³

Condition: clean

Condition: clean

Type: small reverberation room

Type: large reverberation room

Location: acoustic transmission suite

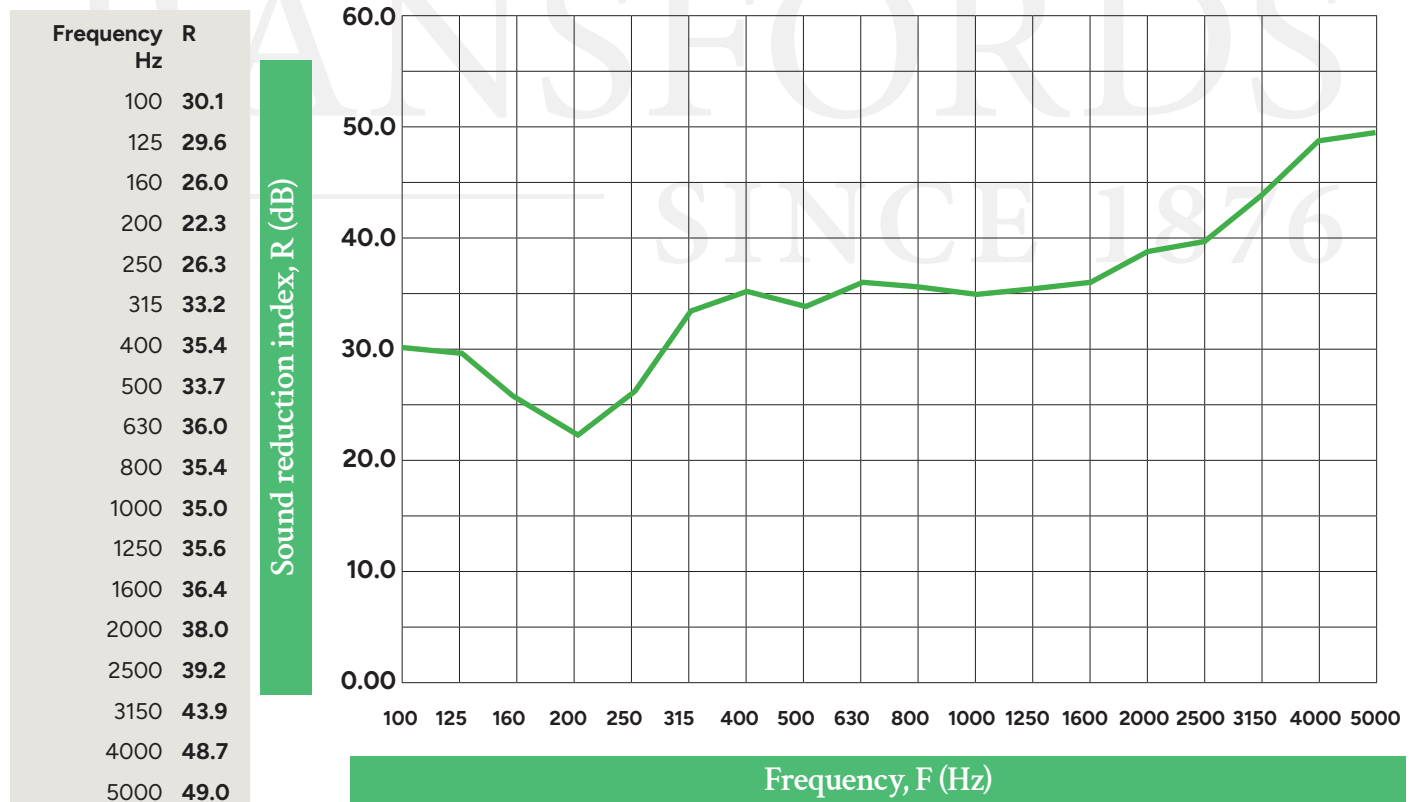
Location: acoustic transmission suite

Temperature (°C): 24.8

Humidity (%): 53.5

DL_R = 33

Category: B3



Test reference number: 101-67

University of Salford, School of Computing, Science & Engineering

Date: 16/08/10

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