



Boundary Sound Traffic Barrier



The Product

Boundary Sound Traffic Barriers have been specifically designed to provide the same level of noise protection as the Boundary Sound and Boundary Sound Plus Barriers for especially demanding highway and commercial applications.

The unique timber boards feature special 'V' profile joints and are fixed to galvanised steel 'I' beam posts which provide additional strength and rigidity. This allows them to meet the stringent Highways Agency standards BSEN1794-1 and 2 which also makes them suitable for use in exposed locations which are subject to high wind loading.

Capping and counter rails are available to further enhance the final appearance and posts can be clad in timber to match the panels.

Features

- Available as Boundary Sound Barrier or Boundary Sound Plus Barrier
- Galvanised Steel 'I' Beam Post
- Timber Interlocking 'V' profile boards
- Level or profile changes can be accommodated
- Optional timber capping, counter rails and post cladding available

Benefits

- Up to 28dB* or 32dB** noise reduction
- Meets stringent Highways Agency standards BSEN1794-1 and 2
- Ideal for high wind loading locations
- Easy installation
- Further sound reduction is possible via an additional absorptive layer. (See Boundary Sound Plus Barrier **)
- Ideal for fences over 4m high
- Can be used on uneven or sloping ground
- 20-year guarantee subject to correct installation

Applications

- Highways
- Commercial premises
- Construction sites
- Industrial sites
- Railways
- Residential estates
- Sports venues

Performance

The following data shows the results of field measurements which simulated the British Standard test procedures:

Sound Reduction			
Distance from noise source	2.0m high fence	2.5m high fence	3.0m high fence
5m	13.6dB	16.5dB	17.4dB
10m	11.3dB	13.5dB	14.1dB
15m	10.3dB	12.5dB	12.9dB
20m	9.2dB	11.9dB	12.4dB

APPLICATIONS

- Offices
- Meeting Rooms
- Hotels
- Conference Centres
- Leisure Centres
- Schools
- Restaurants
- Showrooms



Boundary Sound Traffic Barrier

*Boundary Sound Traffic Barrier certified laboratory results

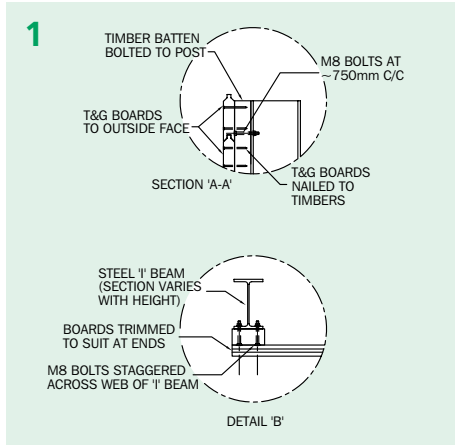
Rating according to BS EN 1793 – 2:1998 Category = B3

Laboratory sound reduction 28dB* Superficial Mass 28kg/m²

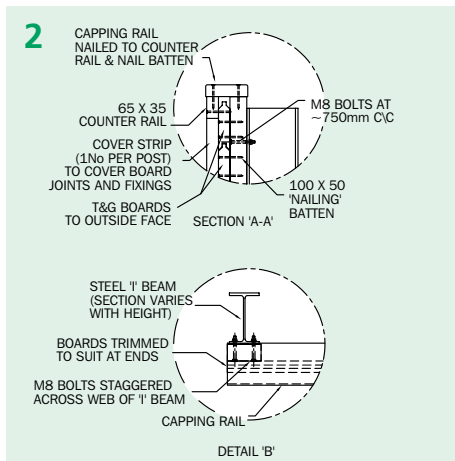
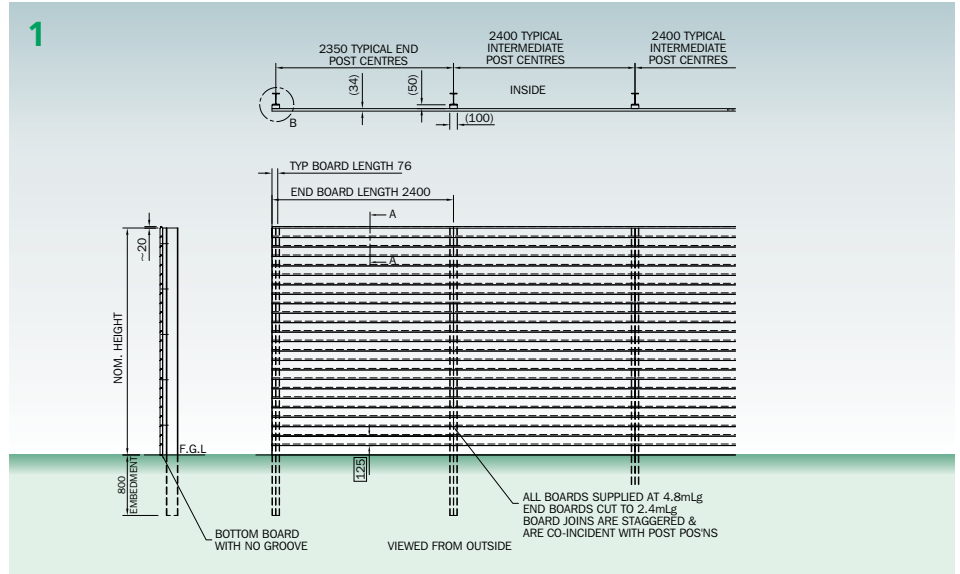
**Boundary Sound Plus Traffic Barrier certified laboratory results

Laboratory sound reduction 32dB**

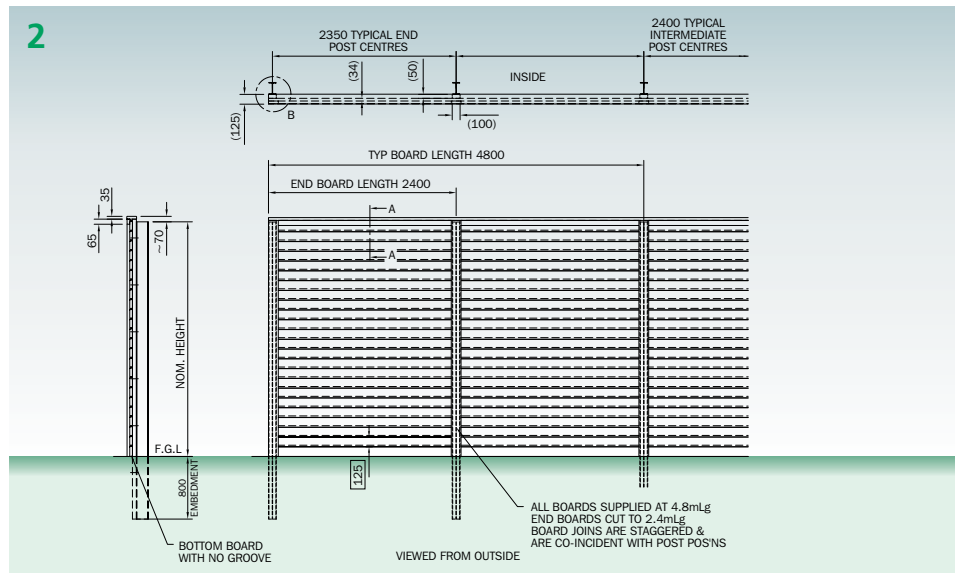
Superficial Mass 28kg/m²



1. Boundary Sound Traffic Barrier - this includes galvanised steel 'I' beams with nailing battens that are bolted to the front of the posts. 4.8m long interlocking 'V' boards are then nailed to the front of the railing battens.



2. Boundary Sound Traffic Barrier - as above but with additional capping, counter rail and cover board components.



For further details, call John C Wilkins Acoustic Installations on 01204 548400.

APPLICATIONS

- Offices • Meeting Rooms • Hotels • Conference Centres
- Leisure Centres • Schools • Restaurants • Showrooms

JOHN C WILKINS ACOUSTIC SUPPLIES

Units 32-34, Waters Meeting Development,
Britannia Way, Bolton BL2 2HH
T: 01204 548400 F: 01204 366960