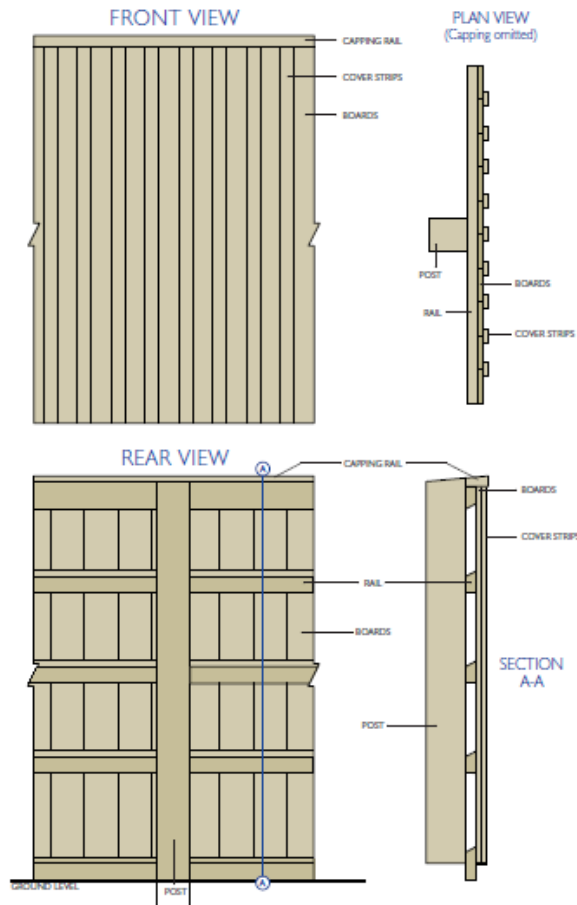




PLEASE NOTE:

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 3504, TREATMENT TO SECTOR SCHEME 4.
3. REFLECTIVE SOUND SCREEN FITTED TO TIMBER POSTS (FOR ILLUSTRATION PURPOSES ONLY). STEEL POSTS CAN BE AN ALTERNATIVE.
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.

Reflective Sound Screen – Test by University of Salford (Acoustics Test Laboratory).

Size: 8.64m²

Source Room

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

Temperature: 17.8°C

DLR: 30

Receiving Room

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

Humidity: 58.6%

Category: B3

Sound Reduction Index Table R(db)

Frequency HZ	R	Frequency HZ	R
100	24.7	800	30.1
125	25.3	1000	29.8
160	26.3	1250	29.7
200	25.8	1600	30.6
250	28.5	2000	31.6
315	28.4	2500	32.1
400	29.0	3150	33.7
500	29.6	4000	36.9
630	30.0	5000	37.1