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STC-59 [Rw58] ACOUSTIC WINDOW

Refer to drawings:

Construction:

Steel sub frame – Each frame to be fabricated from 2.0mm thick steel sheet manufactured to suit wall thickness. Frames to be acoustically de-coupled to prevent direct transfer of sound and vibration.

Absorption:

Reveals to be acoustically treated with a perforated steel tray painted to match the sub-frames behind which an acoustically absorbent material is to be fitted.

Glass:

Double glazed unit comprising one pane of 12.8mm Laminated Safety Glass and one pane of 10.8mm Laminated Safety Glass, seated within an aluminium frame, in combination with a minimum of 235mm thick wall.

Colour/Finishes:

Steel sub-liners and perforated steel reveals to be polyester powder painted to RAL9010 white. Aluminium frame to be supplied self coloured.

Acoustic Rating:

STC-59 [Rw58] to provide a minimum R'w56dB once installed (subject to flanking)

One-Way Viewing (if applicable):

One-way viewing windows operate on a room to room light differential of 7:1, i.e. Test Room needs to be considerably brighter than the Observation Room. Specialist contractor to apply a one-way viewing film and it is advisable to fit the film once all construction works is complete on site.

Frames:

Frames designed to suit a minimum wall thickness of 235mm. It is possible to provide this high performance with a thinner wall, however glass thickness will increase to compensate.