

Sound transmission Loss test according to ASTM E90

TLA-05-055

CLIENT: Quiet Solution
 CONTACT: Brandon Tinianov
 Specimen ID: B3440-4W
 Contract Number: B3440
 DATE: 19-Dec-2005

SPECIMEN AREA : 8.92 m²

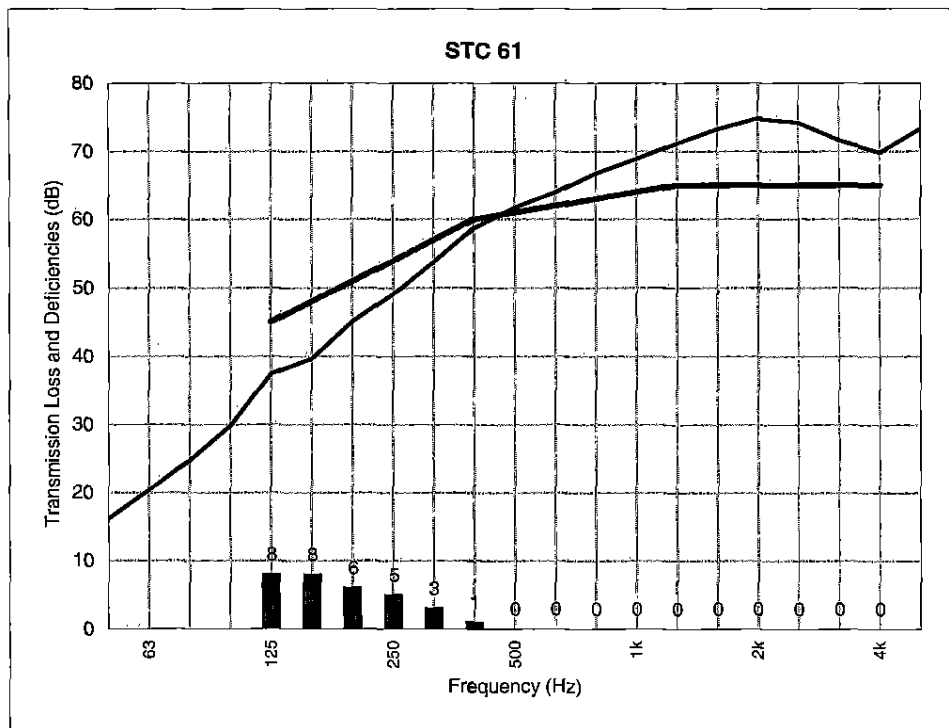
SPECIMEN CODE : OTH15(0)_SWS92(610)_GFB152_OTH15(0)

Specimen Long Description:

15mm QR-525 / 92mm Staggered Wood Studs 610 mm / 152mm Glass Fibre Batts / 15mm QR-525

Notes

The wall had a row of staggered wood studs; on each exterior face was a single layer of QuietRock QR-525 panels. The 38 x 89 mm wood studs were staggered and spaced 610 mm on center on a 38 x 140 mm wood frame. The 150 mm thick, R20 glass fiber batts, were installed in a weaving pattern around the staggered wood studs. The 15 mm thick QuietRock QR-525 panels were attached vertically to the wood studs with 41 mm long, type S drywall screws, spaced at 406 mm along the edges and in the field. The joints of the QuietRock QR-525



Freq	TL
50	16.1
63	20.4
80	24.8
100	29.9
125	37.5
160	39.6
200	45.0
250	49.1
315	53.8
400	58.8
500	61.7
630	64.0
800	66.7
1000	68.8
1250	71.1
1600	73.2
2000	74.8
2500	74.2
3150	71.6
4000	69.8
5000	73.2
6300	79.5

R _w	59
OITC	42

Tested by LB

Checked by QUIRTD