

CASE STUDY: STC RATED FOLDING GLASS WALLS

PROJECT ID: 10-04-268

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CHALLENGE

When the owners of a New York penthouse were in need of high-performing folding glass walls for their sunroom, they turned to Solar Innovations® to design folding glass walls with high STC ratings to suit their needs. High acoustical ratings were a necessity, as the home is located on the waterfront of the East River, which can often be a noisy area. The homeowners wanted to create a living space with glass walls that could maximize their views and be fully opened to the exterior patio, without sacrificing privacy and silence when desired.

SOLUTION

Solar Innovations® presented the homeowners with several folding wall options, all of which met their sound-transmission requirements. The SI3000 G2 Folding Glass Wall system was chosen specifically for this project. The system tested has a STC rating of 39 and an OITC rating of 32. The finished project is a sunroom perfect for entertaining with a smooth transition to the exterior deck while still allowing the homeowners privacy.

PROJECT DETAILS

Series: SI3350 G2 Folding Glass Wall

Finish: AAMA 2603 Bronze

Glazing: 1-1/8" IG (1/4" Annealed Laminated w/ .030 Acoustical Interlayer, 1/2" Air, 3/8" Annealed Laminated w/ .030 Acoustical Interlayer)

SI Series	Description	Report No.	STC	OITC	Panel Size
SI3000	G2 FCW Standard Sill	F3179.01	39	32	90½" x 44⅞"
SI3000	G2 FCW Flush Sill	F3179.02	34	29	90½" x 44⅞"
SI33350	G3 FCW Flush Sill	F3184.01	39	32	90½" x 44⅞"
SI33350	G3 FCW Standard Sill	F3184.02	38	31	90½" x 44⅞"



*Please note: Project shown does not include STC Glazing.

