Case Study:

IAC Acoustics Noise-Lock® Doors

Honolulu Community College
Honolulu, Hawaii

IAC Acoustics Noise-Lock® Doors Delivers Proven Acoustic Performance at Honolulu Community College

IAC's line of Noise-Lock® doors recently learned a new song. The main recording room of a new multimedia studio at the Honolulu Community College required a door with STC 55 performance and a double wide 6'-0" x 7'-0" clear opening, granting oversize musical instruments and equipment access to the recording area.

IAC's Dual-Swing Noise-Lock® Door

IAC proposed its dual-swing Noise-Lock® door — the standard Noise-Lock® door design with laboratory proven acoustic performance, was modified to permit the oversize access of a double door with only one hinged side. The acoustic performance is guaranteed since the STC 55 dual-swing door is identical in design to the IAC Noise-Lock® STC 55 double door when in the closed position. The active leaf swing direction is reversed, and its hinges are fixed to the active leaf astragal edge, instead of the frame. When full clear opening is desired, the active leaf opens to 180 degrees, attaching to the door holder on the inactive leaf, and both leaves open as a single unit.

IAC's STC 55 Noise-Lock® with dual hinge configuration was installed in the Honolulu Community College studio and delivered proven IAC acoustic performance while accommodating a special design intent.

Every door is factory assembled and functionally tested for alignment, fit, and ease of operation prior to shipment. This reduces installation costs and virtually eliminates in-field construction errors that can affect performance.

IAC is the global leader in sound control access systems for every application and acoustic performance rating. For the complete line of Noise-Lock® multi-leaf designs, visit our website at www.iacacoustics.com or contact our office.

401 Airport Road | North Aurora, IL
T: 630 270 1790 **F:** 630 966 9710
E: iacacoustics@soundseal.com
www.iacacoustics.com

iac acoustics
A DIVISION OF SOUND SEAL