July Webinar Series
IAC Acoustics Noise-lock® Doors and Windows.
Presenter: Thomas Heins, Architectural Product Sales Manager
Sound Seal is a leading manufacturer of commercial and architectural acoustic sound control products & materials.

- Offers a wide product selection to the acoustics & noise control markets.
- Over 37 years of expertise, Sound Seal can offer the technical support and know how to solve any noise problem.
- Dedicated staff to guide customers and project team through step by step selection and specification, ensuring we get it right the first time.
• Sound Seal acquired INC, an acoustical metal panel company, in October 2014

• Sound Seal acquired IAC Acoustics’ assets in December 2015.

• Moving forward the company will operate as IAC Acoustics, A Division of Sound Seal.

IAC Acoustics (Formerly INC)- North Aurora, IL
Established: 1949
IAC Acoustics, A Division of Sound Seal – the “New and Improved” IAC

- President & GM, Mark Rubino, 40+ years of industry experience, prior owner of INC.
- Tom Heins, Architectural Product Sales Manager, 15 years of IAC experience.
- Dan O’Brien, Sales Director, 20+ years industry experience.
- Several senior operations, engineering & manufacturing team leaders with extensive IAC medical product experience
- Existing INC operations and engineering team with longstanding experience in metal panel noise control enclosures.
What makes IAC Acoustics superior to the competition?

• In-House Powder Coating Line
• Proprietary Multiple Head Spot Welders
• Amada Punch Presses
• Press Brakes
• Shears
What makes IAC Acoustics superior to the competition?

Product Related Testing and Certification

• Acoustic Performance Test data certifications for all products
• Product Designs & Drawings
• A library of past project templates, designs and data
• UL Listings
What makes IAC Acoustics superior to the competition?

• Guidance based upon product expertise and practical experience

• Job-Site Surveys prior to Submittals

• Expediting of thorough product submittals

• Field verification of rough openings/existing conditions prior to product arrival

• Product Installation and turn-over to the Owner

• Guaranteed Performance
Noise-Lock® Door and Windows Applications

- Arts & Media
- Performing Arts
- Broadcast
- Corporate & Commercial
- Education
- Government
- Industrial
- Transportation
- Specialty
Manufacturing Door line - every door is hung and adjusted before shipment.
Noise Lock® Doors...Features & Capabilities

• UL Ratings up to 3 HR on metal & 1 ½ HR on Wood Veneer
• Cherry, Mahogany, Oak, Maple, Birch are available amongst 100’s of other wood types and cuts
• Door sizes from 12” x 12” to 30’-0” x 30’-0”, swing, slide, vertical lift
• Power Operated & Manual Operation
• Multi-Leaf Configurations
• Up to STC 55 Full Glass Doors – Laboratory Tested & Field proven
• Bullet Resistant & Blast Resistant
• Factory Assembled w/ all pertinent hardware
• Concrete grouting of our frame is not required to achieve the indicated STC rating
• Operable pairs, laboratory certified to STC 54 & Field proven
ADA Considerations

• ADA force limitations, 5 lb force to open door, does not apply to “unlatching”

• IAC doors up to STC 64 generally comply – subject to size limitations as a function of STC rating

• ADA force limitations: do not apply to fire rated doors, ADA refers to Local Jurisdiction Building Codes

• Typical Building Code Force Limitations: 15 lb force to unlatch, 30 lb force to start and 15 lb force to open.
ADA Considerations

• Acoustic Doors are heavier than HM doors
• Fire rated doors must have a closer and a latch
• IAC Sound Control doors can meet ADA/local building codes
• Commercial closers at ADA compliant settings will not fully close/latch any sound control door
## Noise Lock® Doors - Performance

<table>
<thead>
<tr>
<th>Model (STC)</th>
<th>Weight (lbs/ft²)</th>
<th>Thickness (inches)</th>
<th>Seals (type)</th>
<th>Frame Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>43</td>
<td>7</td>
<td>1 ¾”</td>
<td>Single</td>
<td>Split</td>
</tr>
<tr>
<td>51</td>
<td>9</td>
<td>2 ½”</td>
<td>Double</td>
<td>Split</td>
</tr>
<tr>
<td>53</td>
<td>11</td>
<td>2 ½”</td>
<td>Double</td>
<td>Split</td>
</tr>
<tr>
<td>55</td>
<td>16</td>
<td>3 ½”</td>
<td>Double</td>
<td>Split</td>
</tr>
<tr>
<td>61</td>
<td>16</td>
<td>3 ½”</td>
<td>Triple</td>
<td>Split</td>
</tr>
<tr>
<td>64</td>
<td>18</td>
<td>5”</td>
<td>Triple</td>
<td>Split</td>
</tr>
</tbody>
</table>
Noise Lock® Doors Product Review

Noise-Lock® Doors, Wood Veneer or Painted – up to STC 64
Noise Lock® Doors Product Review

Recording Studios, STC 55
Full Glass Doors
Noise Lock® Doors Product Review

STC 55- Bi-Leaf Door
Noise Lock® Doors Product Review

Recording Studios

KMA, NYC,
STC 51- Bi-Leaf
Super Noise Lock® Doors Product Review

STC 51 Vertical Lift Door Assembly, LA Sound Stage

STC 50
Theaters & Performing Art Centers

Acadiana, LA,
STC 54 Bi-Parting Slider

LAUSD, CA
STC 51
Theaters & Performing Art Centers

City Center, Las Vegas,
STC 50 Oversized Doors
Stage Access – STC 61
Power Operated
Entertainment Venues

STC 61, Noise-Lock® Doors
Security

SCIF Doors & Rooms
STC 51 Full Glass- Quad-Leaf
Noise Lock® Doors
Noise-Lock Doors
Competition Seals

3K Factory Hung

3K Shipping as a KIT
What does an acoustic door cost?

<table>
<thead>
<tr>
<th></th>
<th>IAC Acoustics Noise Lock</th>
<th>X-Kit Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation Hours (3) STC 51</td>
<td>16</td>
<td>48</td>
</tr>
<tr>
<td>Installation Rate</td>
<td>$75.00</td>
<td>$75.00</td>
</tr>
<tr>
<td>Total Cost</td>
<td>$1,200</td>
<td>$3,600.00</td>
</tr>
</tbody>
</table>

The average, delivered and installed, price is substantially lower with the IAC Acoustics Product!
Noise-Lock® Windows

All shapes and sizes for Recording Studio and Follow-Spot applications
Noise Lock® Windows Features & Capabilities

- Interior and Exterior Glazing as required, factory installed
- #11 Gauge frame construction
- Removable Bar Stops
- Acoustic Seals
- Sound-Absorbing Material between panes of glass
- Factory Applied powder coating
- Window is shipped as a complete assembly
- Concrete grouting of our frame is not required to achieve the indicated STC rating
- Sloped and Vertical arrangements available
## Noise Lock® Windows - Performance

<table>
<thead>
<tr>
<th>Model (STC)</th>
<th>Weight (lbs/ft²)</th>
<th>Frame Depth (inches)</th>
<th>Glazing</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>5</td>
<td>4”</td>
<td>Single</td>
</tr>
<tr>
<td>39</td>
<td>8</td>
<td>4”</td>
<td>Single</td>
</tr>
<tr>
<td>41</td>
<td>9</td>
<td>4”</td>
<td>Single</td>
</tr>
<tr>
<td>47</td>
<td>10</td>
<td>4”</td>
<td>Double</td>
</tr>
<tr>
<td>53</td>
<td>12</td>
<td>8”</td>
<td>Double</td>
</tr>
<tr>
<td>57</td>
<td>18</td>
<td>10”</td>
<td>Double</td>
</tr>
<tr>
<td>59</td>
<td>20</td>
<td>10”</td>
<td>Double</td>
</tr>
</tbody>
</table>
Noise Lock® Windows Product Review

Doors with Sidelites & Transoms
Noise Lock® Windows Product Review

Noise-Lock® Windows- Sloped
Noise Lock® Windows Product Review

Noise-Lock® Windows
STC 57
Noise Lock® Windows Product Review

Fire Rated Window Openings
Noise Lock® Windows Product Review

Acoustic Windows, STC 57, Factory Glazed – Compound Angles
Noise Lock® Windows

WINDOW INSTALLATION – HEAD/SILL REQUIREMENTS
Thank you!!!

Questions?
Would you like a copy of the presentation?
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413-355-6762 Cell