



QuietCOR



by

NOISE BARRIERS, LLC.

Pre-assembled Control and Observation Rooms

Single Source Responsibility... Design – Supply – Install
Virtually No On-Site Construction



Advantages of Pre-Assembled Control and Observation Rooms:

- Custom designed to meet your requirements
- Faster and more dependable performance than standard construction
- Designed to provide excellent in to out NIC and out to in NIC performance.
- Weather-Tight
- Exceptional interior room acoustics
- Unlimited size and shape
- Can be disassembled & relocated
- Internal electrical systems
- Silenced HVAC system
- Significant tax advantages
- No construction mess

Applications:

- **Jet Engine Testing**
- **Prop Testing**
- **Access Control**
- **Hazardous Manufacturing Environments**
- **Centralized Control Operations**
- **Varying Site Testing Solution**



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www.noisebarriers.com



**Acoustic Performance Of
QuietCOR Control and Observation Rooms:**

QuietCOR's are certified to be in compliance with all acoustic performance requirements. Typical field Noise Reduction(NIC) and laboratory Sound Transmission Loss(STC) ratings are as follows, and tested in accordance with ATSM E 413, ASTM E 596, and ASTM C 423.

**Quiet SoundPanel System
Sound Transmission Loss—Wall/Ceiling Panels**

Octave Band Center Frequency, Hz						
125	250	500	1K	2K	4K	STC
Panel Sound Transmission Loss, dB						
40	46	51	55	58	62	54

**QuietSwing Door
Sound Transmission Loss**

Octave Band Center Frequency, Hz						
125	250	500	1K	2K	4K	STC
Sound Transmission Loss, dB						
39	43	51	53	54	61	52



**2" Thick Fabric Wrapped Wall Panel
Sound Absorption Coefficients**

Octave Band Center Frequency, Hz						
125	250	500	1K	2K	4K	NRC
Sound Absorption Coefficient						
0.44	0.70	1.17	1.17	1.13	1.06	1.05





Quiet COR's are field tested after installation and certified to be in compliance with the Maximum Permissible Ambient Noise Levels per ANSI S3.1-1999 (2003) and OSHA 1983 Specifications.

Noise Reduction—Out to In						
Octave Band Center Frequency, Hz						
125	250	500	1K	2K	4K	NIC
Quiet Sound Studio Noise Reduction dB						
31	39	48	52	70	60	50

Noise Reduction—In to Out						
Octave Band Center Frequency, Hz						
125	250	500	1K	2K	4K	NIC
Quiet Sound Studio Noise Reduction dB						
34	36	51	55	56	60	50

Noise Reduction—Room to Room (@1" Apart)						
Octave Band Center Frequency, Hz						
125	250	500	1K	2K	4K	NIC
Quiet Sound Studio Noise Reduction dB						
36	66	82	58	71	78	58

Noise Reduction—Room to Room (@ 4" Apart)						
Octave Band Center Frequency, Hz						
125	250	500	1K	2K	4K	NIC
Quiet Sound Studio Noise Reduction dB						
46	64	84	75	72	76	69

Noise Reduction—Room to Room (@ 12" Apart)						
Octave Band Center Frequency, Hz						
125	250	500	1K	2K	4K	NIC
Quiet Sound Studio Noise Reduction dB						
48	62	84	78	72	78	70

Please contact us for specific product specifications and descriptions. CAD drawings and configurations to meet special requirements are available upon request.

Standard and Optional Features can include:

- Unlimited sizes and configurations.
- Floor: QuietFloor vibration isolated floor system or diamond plate.
- Panel Construction: QuietMod 4" thick wall and ceiling panels with perforated interior walls. Class 1 per ASTM E84.
- Door: 36" x 84" QuietSwing Cam-Lift Acoustical Door. Custom sizes and hardware is available upon request. Window Optional. Mortised Locks Optional.
- Interior/Exterior Finish: Durable Powder Coat Finish with choice of five standard colors, White - Cream - Ivory -Tan - Grey, or customer choice of over 188 special colors.
- Electrical: Modular factory wired UL listed recessed 120V electrical service, 2 duplex outlets, 2 variable switches (lighting and ventilation), and 10' grounded power connection. Multiple receptacles and longer lengths available upon request. No site wiring required.
- Lighting: No heat, no noise LED lighting with dimmer switch. Light has very low power consumption, and a very long life.
- Ventilation: QuietAir silenced ventilation (note: minimal ventilation is required with LED-no-heat light), adjustable air control.
- Fabric Wrapped Acoustical Wall Treatment Optional.
- Ventilation and/or Electrical can be modified to tie into host building utilities.
- Optional - Modules may have empty conduit and backboxes, speaker enclosures and microphone mounts to allow for upgrade of room to electronically-enhanced room without disassembly.
- Optional 5 year warranty available.

QuietCOR™ Control/Observation Rooms

Individual Components and Standard Color Options



We also supply the following noise and vibration control products for use with standard construction:

- Sound Control Doors
- Sound Control Windows
- Acoustical Wall Treatments
- Floating Floors
- Vibration Isolation Hangers
- Diffusers

Our Individual Components and Standard Colors

Polyester Powdercoated

These finishes come standard.

White
RAL 9003



Cream
RAL 9001



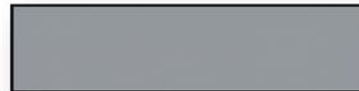
Ivory
RAL 1015



Tan
RAL 1019



Gray
RAL 7040



Noise Barriers, LLC. Can match any RAL color at the custom color price.
In addition, we can provide two-tone finishes, different colors inside and out, and faux-wood finishes.

*The colors shown above are as close as possible to the actual colors offered within the limitations of color on paper reproduction.
Paint samples are available upon request.*

*All product lines are available in other finishes and colors for large projects. Consult Noise Barriers, LLC. for information and pricing.



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