

QuietLine Barrier Walls

by
NOISE BARRIERS, LLC.

Transformers / Electrical Equipment



SL Barrier Panel, 20' (High) 30' x 30' L-Shape
Kentucky Utilities, Louisville, KY
Results: 17dBA reduction at property line,
overall 13dB at 125Hz



Noise Barriers LLC has over 40 years experience in sound control engineering supply and installation. We believe our job isn't to **sell hardware** but rather to **design solutions**. We offer outstanding quality products and our specialty is pleasing the most demanding customers with our quality, price and service. When you have a noise control problem, think of Noise Barriers LLC. Let us help solve your noise problems.

 **NOISE BARRIERS, LLC.**

www.noisebarriers.com

Features

- Lightweight
- Durable
- Galvanized, aluminum, or stainless steel
- Two, four, or five-inch thicknesses
- Easy installation and removal
- Horizontal or vertical installation
- Self-draining
- Maximum acoustical performance
- All products independently tested (STC 37 & above, NRC 0.95 & above)
- 10 year warranty
- Weather resistant
- Graffiti resistant
- Unlimited color selection



Above: H/P 42 Panels. Closed off opening in existing wall system and extended wall height 4'.
Baltimore Gas & Electric, Baltimore, MD
Results: Overall reduction to below ambient 65dBA

Left: H/P 42 Panels, 1240 12" Acoustic Louvers.
Closed existing openings in masonry barrier wall.
Commonwealth Edison, Lakeview, IL

Interior or Exterior Barrier Wall Systems:



Absorptive noise control barriers provide maximum noise Reduction with lightweight modular panels and/or louvers. The noise barrier system is easy to install and easy to relocate. Panels and louvers are constructed of galvanized steel or aluminum and finish painted in a weather resistant polyester powder coating. The finish is also graffiti resistant and cleanable.

Left: STC-42 V Stack Panels
American Transmission Substation,
Conover, WI

Free-Standing or Elevated Panel Construction

- Allows for maximum flexibility of design and utility on the ground or on the rooftop
- One- or two-sided sound absorption
- Steel or aluminum construction
- Perfect for retrofit installation to solve existing noise problems
- Low-weight construction ideal for roof or bridge mounted applications
- Designed to withstand high wind loads



SL-R Barrier Panel, 26' (High) 60' x 75' L-Shape
Commonwealth Edison, Casey Road, Chicago, IL
Results: 19dBA at property line, overall 13dB at 125Hz



Waukesha Electric Transformer Test Facility
Constructed by Noise Barriers LLC in 2007



Above: STC-42 V Stack Panels
American Transmission Substation,
Conover, WI

All-Weather Applications

- Barrier modules are designed and built to minimize water invasion
- Panels resist “wicking” moisture through the bottom and are self-draining
- Exterior finishes resist harsh cleaners, common chemicals and salt exposure
- Poly powder coating

Acoustical Performance Data

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	STC
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Sound Transmission Loss Data, dB

Barrier Panels:

SL Barrier	18	26	35	45	49	52	37
H/P 38	24	25	33	43	50	55	38
H/P 42	23	31	40	49	56	62	42
H/H 50	26	44	50	54	57	64	50
H/H 52	37	43	47	53	54	57	52

All tests performed by Riverbank Acoustical Laboratories, an independent NVLAP accredited acoustical testing facility. The test method conforms with ASTM Designations E90-99 or E90-02 and E413-87.

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	NRC
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Sound Absorption Coefficients

Barrier Panels:

SL Barrier	0.92	1.15	1.22	1.13	1.08	1.04	0.95 (1.15)
H/P 42	0.68	1.06	1.12	1.08	1.03	0.98	0.95 (1.05)

2" thick Cladding Panels:

NB-II	0.26	0.53	1.00	1.03	0.97	1.02	0.90
NB-II-B	0.35	0.63	1.08	1.12	0.94	0.77	0.95
NB-SII-B	0.47	0.65	0.96	1.03	0.94	0.76	0.90

4" thick Cladding Panels:

NB-IV	0.78	1.10	1.19	1.04	1.02	0.81	0.95 (1.10)
NB-IV-B	0.70	1.08	1.15	1.05	1.05	1.01	0.95 (1.10)
NB-SIV-B	0.95	0.83	0.96	0.98	0.99	0.79	0.95

All tests performed by Riverbank Acoustical Laboratories, an independent NVLAP accredited acoustical testing facility. The test method conforms with the requirements of the ASTM Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method: ASTM C423-80a and E795-00.



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



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