

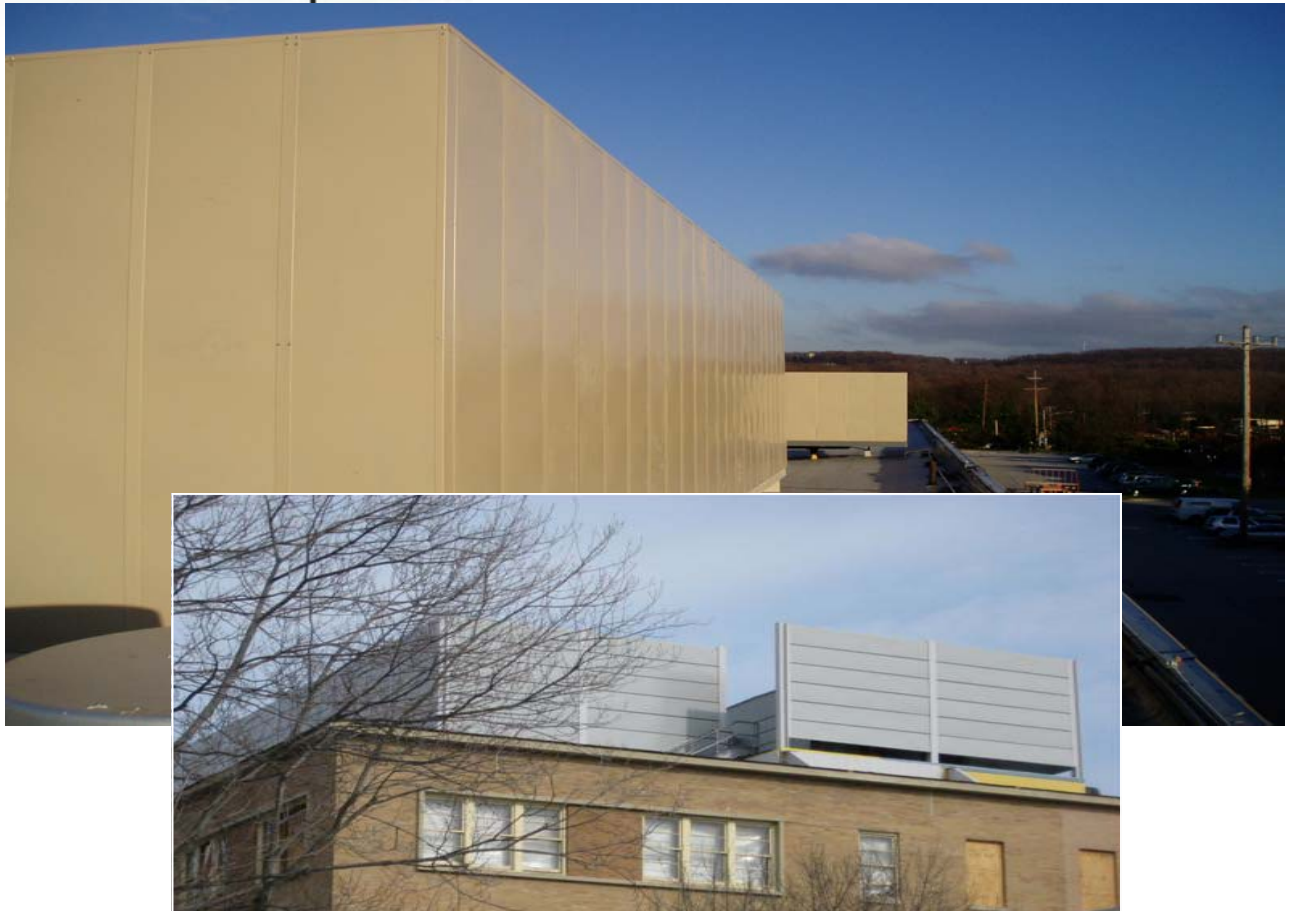
# QuietLine

## Barrier Walls

### Ground Mounted or Rooftop Applications

For any place noise is a problem, QuietLine is the solution

- HVAC Mechanical Equipment
- Salvage Yards
- Loading Docks
- Power Plants
- Rail Yards
- Highways
- Generators
- Carwashes
- Transformers
- Manufacturing Facilities



**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.

## 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



## Interior or Exterior Barrier Wall Systems:

Barrier Walls are normally used to place a sound barrier between a noise source and a target population. This barrier creates a “sound shadow” zone of quiet that can be tailored to cover almost any size area either indoors or out.

When you contact Noise Barriers LLC, we work with you from beginning to end. Our goal isn't to **sell you equipment**; it's to **create a solution** for your particular problem. We'll help design your barrier from the ground up to protect your particular environment at the lowest cost possible.

Whether you need to protect an entire neighborhood or just a portion of one building, Noise Barriers LLC has a solution for you. Regardless of the size of your job, we have the right mix of one-sided or two-sided, sound absorbing or reflecting materials, to reduce noise levels without breaking your budget.

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.

An existing wall can be lined with QuietLine sound-absorbing cladding panels as an effective, cost-efficient method of reducing reflected sound.





Our design services include layout, structural steel support framework, foundation design (for ground level barriers), access doors and certified calculations including P.E. or S.E. stamp. Perfect for new construction or retrofit to an existing structure.

### **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

### **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



## Acoustic Performance Data

Octave Band Center Frequency, Hz	125	250	500	1K	2K	4K	STC
<b>Sound Transmission Loss Data dB</b>							
Barrier Panels:							
V-Stack Aluminum	14	20	31	42	40	52	33
V-Stack Steel	22	26	35	45	47	48	38
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
<b>Sound Absorption Coefficients</b>							
Barrier Panels:							
V-Stack Aluminum	0.89	1.23	1.18	1.08	1.06	0.95	0.95 (1.15)
V-Stack Steel	0.86	1.20	1.17	1.07	1.08	1.02	0.95 (1.15)
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 Aluminum	0.27	0.63	1.09	1.06	1.04	1.03	0.95
NB-II	0.26	0.53	1.00	1.03	0.97	1.01	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 Aluminum	0.87	1.26	1.18	1.04	1.08	1.00	0.95
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

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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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