

# QuietLine Barrier Walls



Transportation Applications

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



**Noise Barriers LLC** has over 40 years experience in sound control engineering supply and installation.

We believe our job isn't just to ***sell material*** 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.**



[www.noisebarriers.com](http://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



# Highway 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.

When you contact Noise Barriers LLC, we work with you from beginning to end. Our goal isn't to **sell you materials**; 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 and salt resistant polyester powder coating. The finish is also graffiti resistant and cleanable.





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Our design services include layout, structural steel support framework, foundation design access doors and certified calculations including P.E. or S.E. stamp.

### **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

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 C423-90a and E795-00.



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



[www.noisebarriers.com](http://www.noisebarriers.com)

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