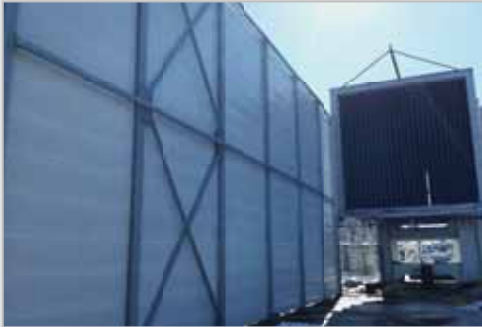




NOISE BARRIER WALLS



VG Engineering Inc. designs and supplies high performance, custom engineered Barrier Wall Systems to reduce noise levels of plant, machinery and vehicular activity in the surrounding environment.

Designs are optimized for customer required acoustic performance, access, aesthetics and easy site installation.

Acoustic Barrier Walls offer:

- Installation at ground level, on elevated structures and roof tops to provide local community protection from unwanted noise.
- Can be a permanent or temporary installation
- Light weight construction, ideal for suspended or roof mounted installations
- An economic solution for noise problems for new and retrofit projects

Acoustic Barrier Wall features:

PANEL CONSTRUCTION - Durable G-90 galvanized mild steel, aluminum, 304 and 316 stainless steel. Glass fiber or mineral wool acoustic absorptive fill, Mylar™ or glass cloth wrap to prevent water ingress. Self draining and non-wicking construction. Tongue and groove joining system provides structural and acoustic integrity. Range of finish colors available

FACTORY FINISH - Can be mill finish, painted or powder coated for weather resistance in a range of colors. steelwork— Hot dipped galvanized or zinc rich primer and finish paint.

Acoustic Barrier Systems include:

- Complete Turnkey Package - Engineered, P. Eng./P.E. Stamped design, manufacture of components, including support steel work and installation hardware.
- Project management assistance available.
- Full Installation Instructions provided.
- Designs for high wind loads (120mph+), with heights up to 50 ft. provided.
- Access Doors and Louvers — As required for access and ventilation



NOISE BARRIER WALLS



Noise Barrier Panel features:

- Acoustic components independently tested and certified per ASTM E90 for sound transmission loss (TL) and ASTM C423 for sound absorption. Note: STC and NRC Ratings are applicable to human speech levels (one-third center octave bands between 125 Hz and 4000 Hz) whereas equipment and machinery may produce significant sound in frequencies outside this range.
- Typical STC: 37 and higher
- Typical NRC: .90 —1.02
- Standard interchangeable panel types provided where applicable for interchangeability
- Easy placement of required penetrations at site
- Multi-horizontal panel installation between support steelwork enables fast wall assembly

SINGLE FACE MODULAR PANELS - reduces sound radiating from the source to lower the sound level that reaches the effected work areas and surrounding communities

DOUBLE FACE MODULAR PANELS - provide sound absorption to reduce the reflected sound level within the contained noise source area and reduce sound transmission radiating from the source to the defined surrounding areas.

APPLICATIONS INCLUDE: PUMPS | COMPRESSORS | FANS | BLOWERS | MOTORS | TRANSFORMERS | PIPE AND DUCT SYSTEMS | SHREDDER ENCLOSURES | ANCILLARY EQUIPMENT ENCLOSURES | HRSG | HVAC MECHANICAL EQUIPMENT | HEAT EXCHANGERS | FOOD PROCESSING PLANTS | PETROLEUM PROCESSING FACILITIES | DISTRIBUTION CENTERS