



The Premier Concrete Noise Walls and Security Walls In The Industry





AFTEC Sound Walls



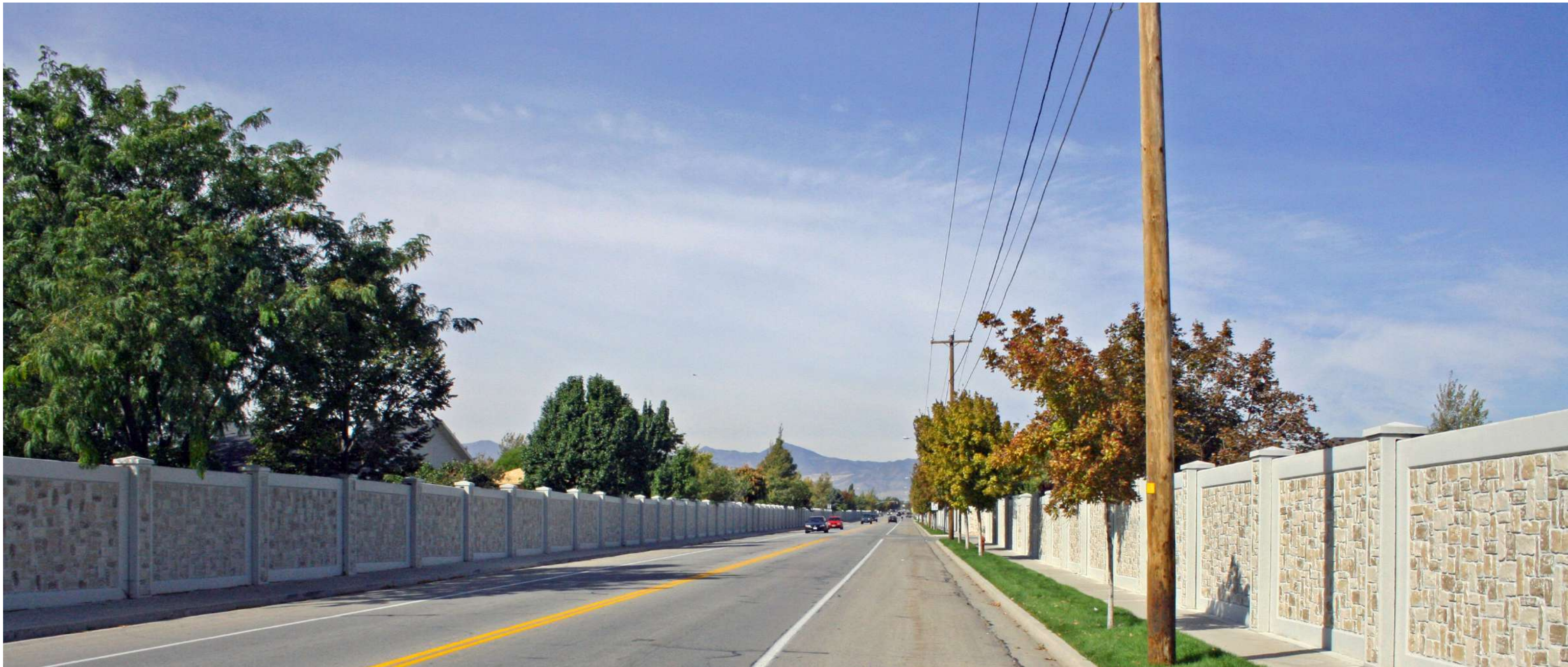


AFTEC Sound Walls





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AFTEC Security Walls





AFTEC Security Walls





Project Types That Use AFTEC's Security and Sound Walls

- Reflective or Absorptive Highway Sound Barrier Walls – to any desired height
- Warehouse, Logistics, Fulfillment and Distribution Centers
- Substation Perimeter and Security Walls for CIP-014 requirements
- Airports, Water Districts, LNG Plants, Industrial Waste and other Critical Asset and Infrastructure Protection
- Law Enforcement Locations
- Visual Screen Walls Bordering Residential Projects



Why Choose AFTEC'S Sound Walls

AFTEC offers two *distinct* sound wall products.

- The SoundTec™ Wall System comprises of wall panels that can be constructed to your desired height supported by either steel or concrete columns. The SoundTec™ panels can be *reflective* or *absorptive* with formed texture on one or both sides to meet the requirements of the project.
- The StoneTree® Wall System provides an integrated column and panel wall section that can be stacked to heights of 16ft. All StoneTree® Walls are cast vertically and provide a formed texture on both sides of the wall. StoneTree® Walls are *reflective* noise barriers.



Benefits of SoundTec™ Security and Sound Walls

- Wall Panels can be supplied with either *Reflective* and/or *Absorptive* sound attenuation properties
- Can be produced with formed texture on one or both sides
- SoundTec™ Walls can also be produced as monolithically cast panels up to 24ft high with formed texture
- Walls are constructed using Structural Steel I-Beams or Precast Concrete Columns embedded in caisson footings

Since AFTEC Designs and Produces Panel Forms, Wall Panels Can Be Built To Meet A Project's Specific Requirements or a State's DOT Design For Length, Thickness And Height.



SoundTec™ Installation Process

- SoundTec™ Walls install using separate columns and panels.
- Support columns consisting of steel or concrete I-Beams, are embedded into a caisson footing engineered for diameter and depth, based on wind load, soil and seismic conditions for the site area.
- Once the footings have cured, panels are then inserted between the support columns to the required height of the wall.
- Panels can be produced in varying lengths and thicknesses to meet the specific requirements of the project.



SoundTec™ Installation Process



Installing 20ft high wall with steel columns 15ft on center



SoundTec™ Installation Process



Installing wall for a 20ft high reflective sound barrier wall



SoundTec™ Installation Process



Installing wall for a 20ft high reflective sound barrier wall

SoundTec™ Installation Process



Installing 32ft high wall with dual textures, absorptive sound properties with formed texture on both sides



SoundTec™ Installation Process



Installing 32ft high wall with dual textures, absorptive sound properties with formed texture on both sides



Benefits of StoneTree® Security and Sound Walls

- The AFTEC forming process produces highly defined textures on both sides of the panels
- StoneTree® Walls can be supplied in a variety of configurations from 3ft to 16ft by stacking sections
- StoneTree® Walls are installed using AFTEC's Rigid Footing Support with a caisson footings 15ft / 4.5m on center with structural supports embedded into the footing.
 - *Faster installation with a strong footing/wall connection*
 - *Can be engineered to meet a wide variety of site conditions*
 - *Safer to install with no bracing or grouting required*
 - *Self aligns each wall section as it is installed*

StoneTree® Walls are offered in several distinct designs, each design exhibiting their own look and style and can be custom stained in a variety of colors to accomplish the desired look



Additional Benefits of StoneTree® Security and Sound Walls

- The least amount of *overhead working space* is needed in order to avoid overhead obstructions such as power lines etc.
- Wall sections are installed laterally rather than dropping down from above, providing a much safer installation
- StoneTree® Walls provides a permanent replacement for chain link fencing, mitigating perimeter point of access vulnerabilities.
- Provides a visual security screen and sound barrier not afforded to chain link or wrought iron security fencing products.
- StoneTree® Walls may offset other security costs, eliminating often redundant special security equipment or personnel used to maintain reliable operations.
- Provides a solid first line of defense for the All Hazards-All Risk and Defense in Depth approach to infrastructure protection being forwarded by the DHS .
- Installs in *half the time* of conventional CMU and precast wall systems, minimizing the vulnerability when replacing existing fencing.
- Provisions can designed into the wall to provide for water flow critical to some environmentally sensitive areas



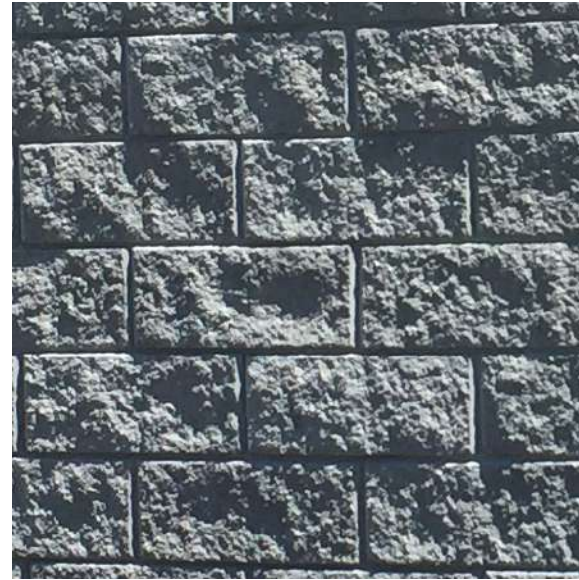
Standard Textures



Ashlar



Stacked Stone



Split Face Block



Ledgestone



Coral Stone / Split Face Block

Custom Designs Are Also Available



StoneTree® Stacked Walls Installation Process



Footings with Extended Steel Supports Are Set Up for Taller Walls



StoneTree® Stacked Walls Installation Process



When the caisson footings and steel support beams are set, the first row of wall sections are set in place.



StoneTree® Stacked Walls Installation Process



The second row is placed on top and interlocks with the steel support beam continuing the installation process.



StoneTree® and SoundTec™ Finished Projects





StoneTree® Finished Projects





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