

MEGAWALL™ RETAINING WALL SYSTEM

SYSTEM OVERVIEW



› We provide innovatively engineered, economical solutions for grade change challenges in the transportation, industrial, commercial and residential markets.



TENSAR® GEOGRIDS

Tensar Grade Separation Solutions owe their long-term performance and durability to high-strength Tensar® Uniaxial (UX) Geogrids. With their stiff interlocking capabilities, Tensar Geogrids stand the test of time, performing better than other commercially available geosynthetics.

Proven Solutions and Technologies

Tensar International Corporation (Tensar) is a full-service provider of specialty products, complete systems and engineering services, and offers economical solutions to complex infrastructure and site development needs. We are the leading developer and manufacturer of high-performance geosynthetic products and engineered solutions for grade separation applications, as well as the world's leading developer and producer of high-density polyethylene (HDPE) soil reinforcement systems. Since 1982, Tensar has provided cost-effective solutions to the most challenging grade change requirements.

Oldcastle Precast® is the leading manufacturer of precast concrete in the United States. Oldcastle has more than 80 locations nationwide, making their products easily accessible.

Tensar and Oldcastle Precast have strategically partnered over the past 15 years to design, manufacture and supply precast concrete and geogrid Mechanically Stabilized Earth (MSE) wall solutions for both public and private market projects throughout the United States.

Tensar and Oldcastle Precast have strategically partnered to develop the MegaWall™ System. By combining the benefits of large block-facing units with Tensar Mechanically Connected UX Geogrids, the MegaWall System can be used to create walls with heights exceeding 30 feet for many different types of projects under a variety of site conditions.

Tensar® Geogrids are inert to electrochemical exposure. The MegaWall System is well suited for fills that do not meet electrochemical backfill criteria required for steel soil reinforcing systems.



Standard MegaWall MSE facing unit

The random placement of four different MegaWall block formliner patterns provides a unique and attractive architectural finish.

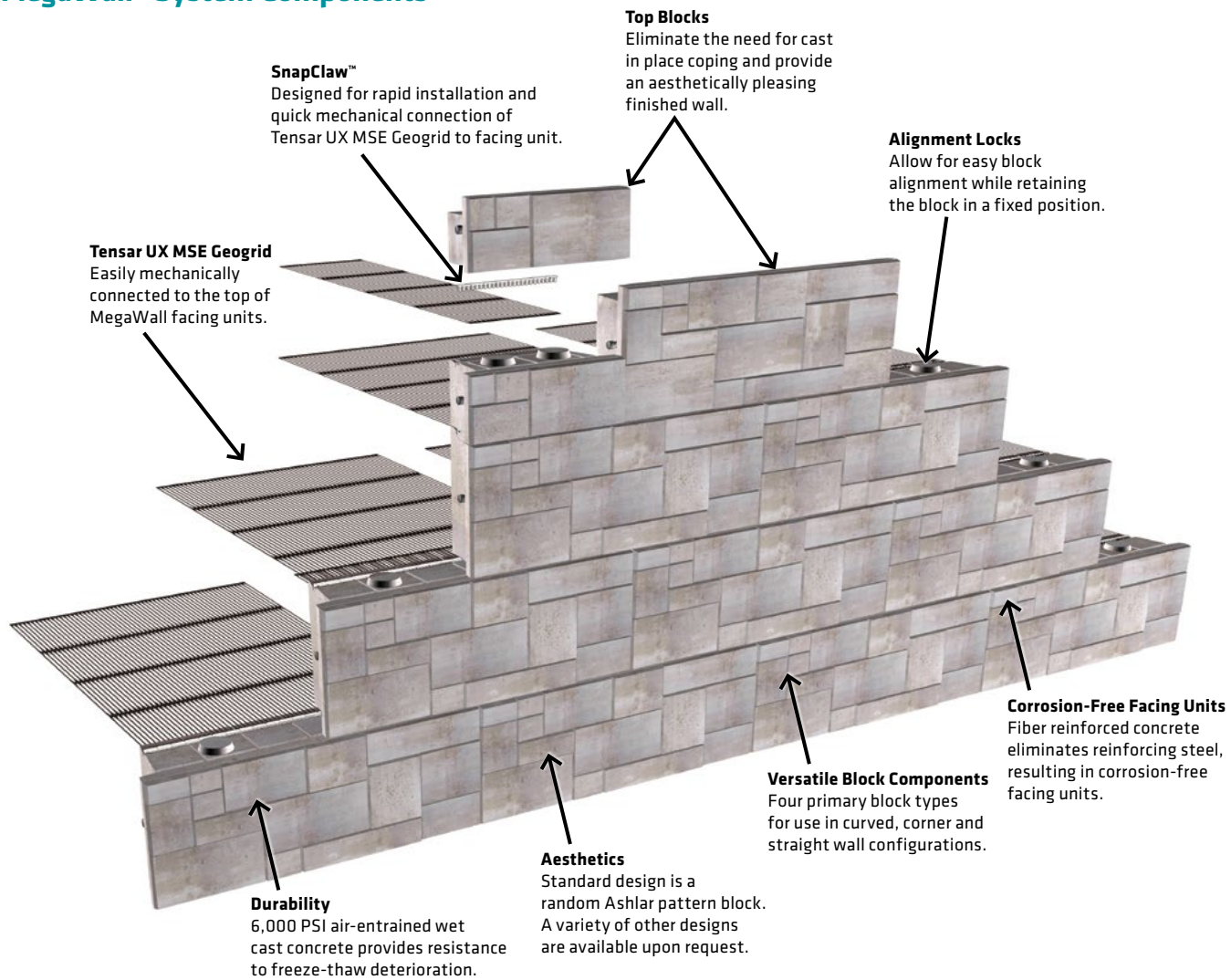


Design Services

The Tensar and Oldcastle teams offer shop drawings and site assistance services.



MegaWall™ System Components



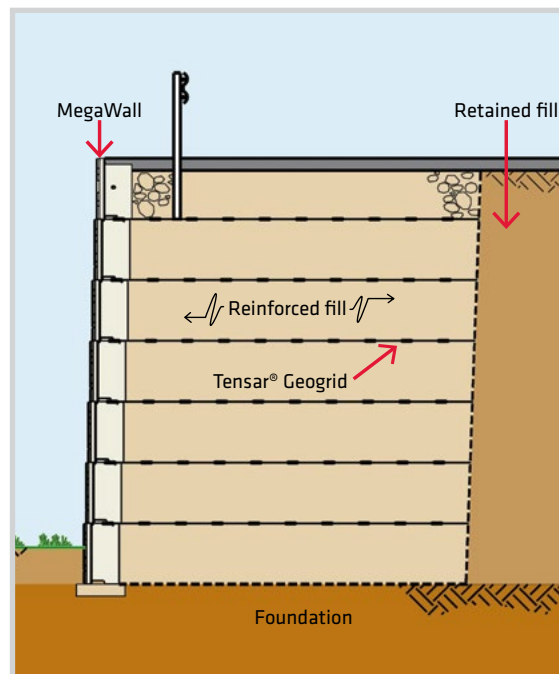
➤ When long-term performance and speed of construction are critical, the MegaWall System offers unmatched advantages.



DOTs, contractors and engineers have long appreciated the many advantages of MSE panel walls. Their wide range of designs and finishes, combined with their simplicity, have made them preferable compared to other types of wall systems. The ability to install MSE panel walls vertically can be critical for projects with limited right of ways.

Although panel-faced MSE walls are commonly tied back with steel reinforcing elements, the unpredictable durability of these components and their connection to the concrete panels restrict their use. As an alternative, **the MegaWall System utilizes highly durable, non-corrosive HDPE geosynthetic reinforcing elements**, which is a more cost-effective, functional and aesthetically versatile option.

The MegaWall System's **self-aligning facing unit** can be installed vertically like MSE panel facing **without the need for traditional bracing techniques**. The MegaWall System is a revolutionary retaining wall system designed for **easy installation** and **high-quality aesthetics**.



Typical cross section of a MegaWall System.

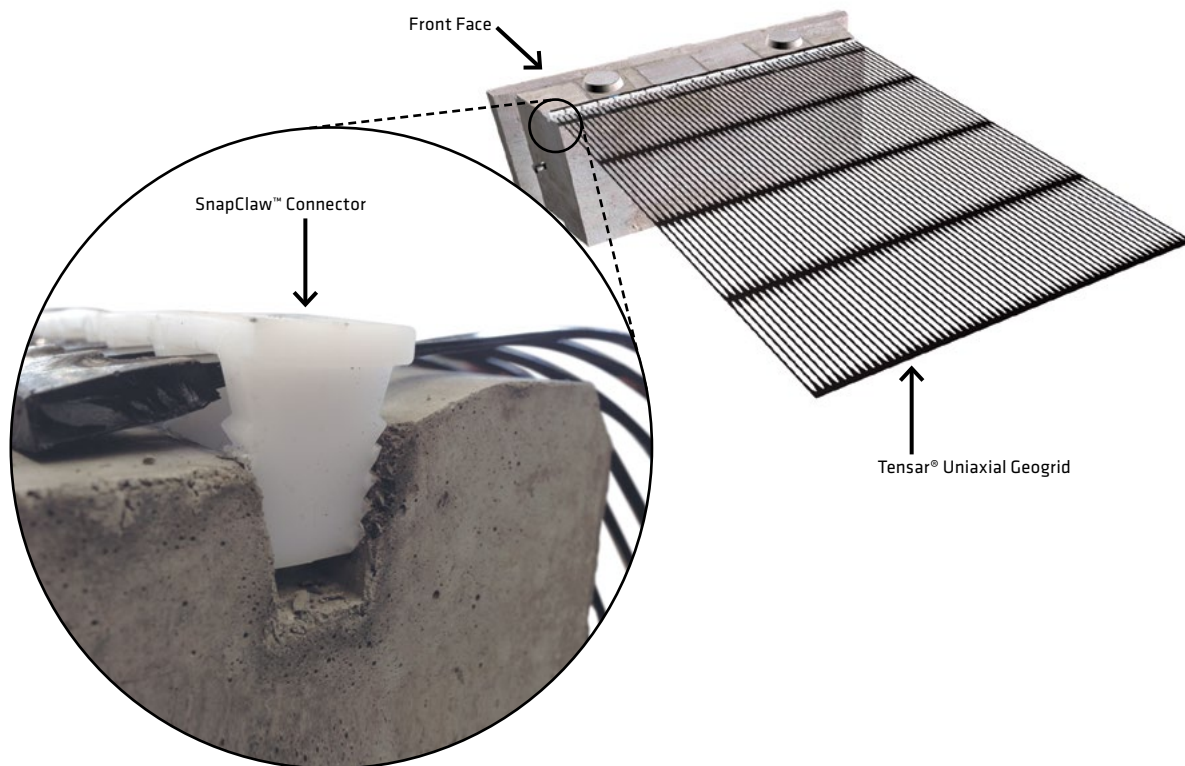
MegaWall System Components	
Component	Function
Tensor® UX Geogrids	HDPE structural geogrids internally reinforce fill materials. Inert to chemical degradation, they can be used with various backfill materials, including recycled concrete.
MegaWall Facing Units	Available in standard 5.5 ft x 2.5 ft (1.7 m x .76 m), 5.5 ft x 1.25 ft (1.7 m x .38 m), and 2.75 ft x 1.25 ft (.84 m x .38 m) sizes.
SnapClaw™	Acrylonitrile butadiene styrene (ABS) connector for high connection efficiency without concern for corrosion.
Full Engineering and Site Assistance Services	Detailing, design, site assistance and stamped drawings for each MegaWall System project upon request.



The MegaWall™ System Advantage:

- ▶ **Time Saving** – The MegaWall System helps you eliminate hassles or liabilities and focus on getting the job done quickly and efficiently. 13.75 SF vs. 1 SF small blocks.
- ▶ **Reliable** – The system's use of Tensar® Geogrid and SnapClaw™ ensures a lasting connection and full support of the soil.
- ▶ **Stability During Construction** – Facing units with sufficient mass to resist installation forces eliminate the need for bracing and clamps.
- ▶ **Durable** – The system is maintainable and provides long-term sustainability.
- ▶ **Variety of Applications** – The MegaWall System can be utilized in the Transportation, Industrial, Commercial and Residential markets.
- ▶ **Quality Assurance** – Manufactured to the rigid standards of the Oldcastle quality control program at facilities around the country.
- ▶ **Corrosion Resistant** – The MegaWall System utilizes high-performance, non-corrosive fiber reinforced blocks.

MegaWall MSE System – Modular Panel Walls



Tensar®

Tensar International Corporation
2500 Northwinds Parkway, Suite 500
Alpharetta, Georgia 30009

800-TENSAR-1
tensarcorp.com

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