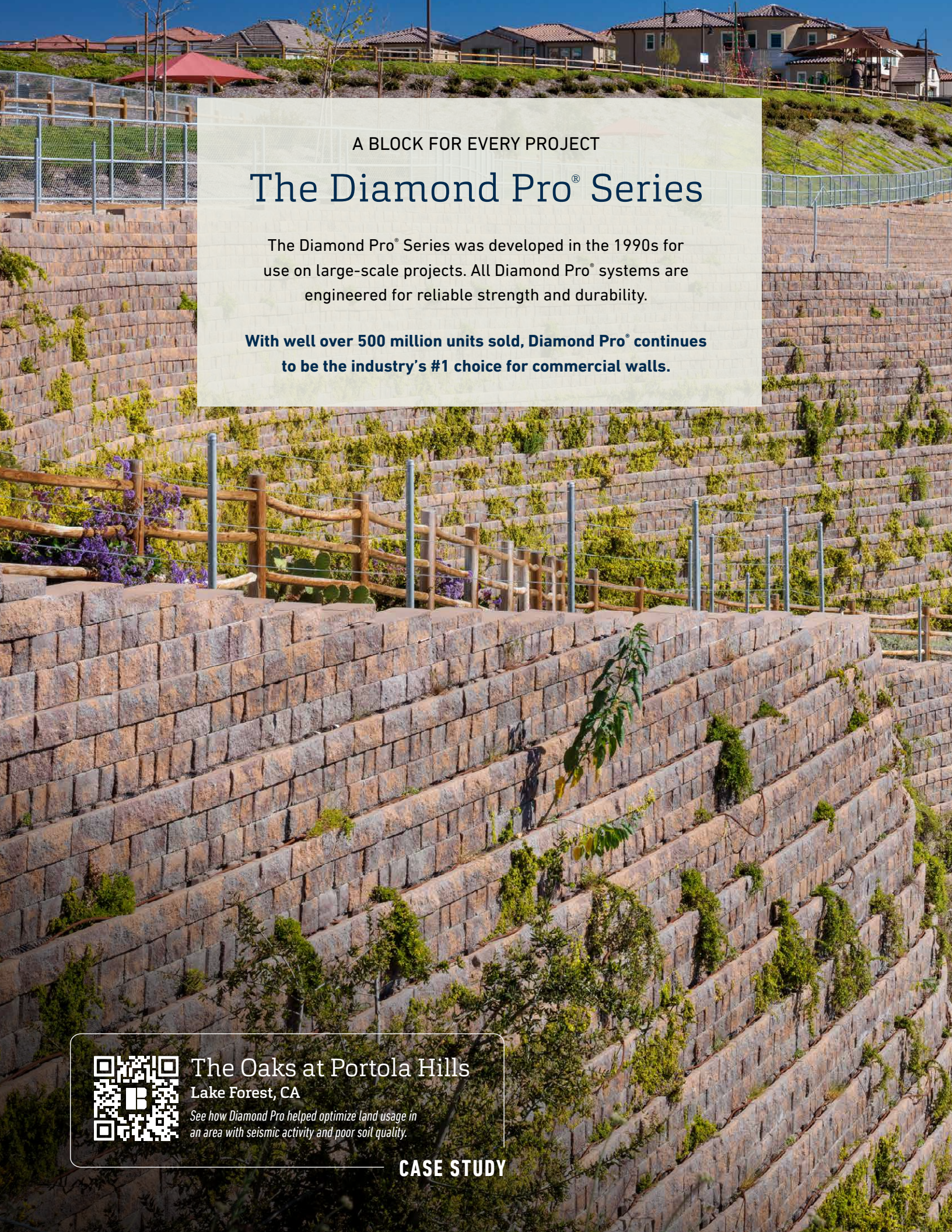
BELGARD

Diamond Pro® Series

THE DIAMOND STANDARD IN HIGH-PERFORMANCE WALLS

Commercial Segmental Retaining Wall Offering →



A BLOCK FOR EVERY PROJECT

The Diamond Pro® Series

The Diamond Pro® Series was developed in the 1990s for use on large-scale projects. All Diamond Pro® systems are engineered for reliable strength and durability.

With well over 500 million units sold, Diamond Pro® continues to be the industry's #1 choice for commercial walls.

The Oaks at Portola Hills

Lake Forest, CA

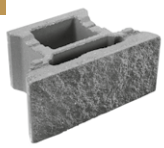
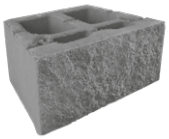
See how Diamond Pro helped optimize land usage in an area with seismic activity and poor soil quality.

CASE STUDY

Select the Ideal Block for Your Next Project

Multi-Wall Project Efficiencies:

Although systems cannot be combined on the same wall, when a project calls for separate walls of varying height, efficiencies can be gained by constructing walls 12 ft. in height and under with lighter weight Diamond Pro Air.

	NEW  DIAMOND PRO® AIR	 DIAMOND PRO®	 DIAMOND PRO® PS
DIMENSIONS	8" H x 18" W x 11½" D	8" H x 18" W x 12" D	8" H x 18" W x 12" D
GRAVITY WALL HEIGHT*	3'4"	4'	4' or 2'
SYSTEM BATTER	4°	7.1°	7.1° or 1.7°
WEIGHT	54 lbs.	74 lbs.	75 lbs.
CONNECTION	Lug	Rear Lip	Pin
UNIT COVERAGE	1 sq. ft.	1 sq. ft.	1 sq. ft.
MAX WALL HEIGHT	Engineered walls up to 12 ft.	Engineered walls of any height	Engineered walls of any height
CORE	Large cores align for easy filling	Large cores for ease of handling	Large cores for ease of handling

**Maximum gravity wall heights are project-specific and may be lower than these values depending on actual site conditions.*

Note: *The same cap and corner are used in all three systems with coordinating colors and face styles.*

Put Diamond Pro® to the Test

- **All Diamond Pro products** meet the strength and dimensional tolerances of ASTM C1372. Third-party testing is available upon request.
- **All Diamond Pro products** have been reviewed by the ICC Evaluation Service and are included in the ICC-ES Evaluation Report ESR-1959.
- **Diamond Pro & Diamond Pro PS** are approved with multiple DOTs across the country. The Diamond Pro PS has gone through the rigorous IDEA evaluation process. The Innovations, Developments, Enhancement and Advancements Program (IDEA), was developed by the Federal Highway Administration (FHWA) to provide a protocol for technical evaluation of earth retentions systems. The IDEA program is administered by the Geo-Institute of the American Society of Civil Engineers (ASCE) and is the industry's highest standard of evaluation for earth retention systems.

- Locator lug system for quick installation
- Ideal for engineered walls up to 12 feet tall
- 30% lighter weight and 4° batter provide both project and land-optimization efficiencies

Diamond Pro® Air

Don't let the lighter weight fool you — Diamond Pro® Air blocks are engineered for durability and performance. With their innovative design, they deliver the strength you need without the backbreaking weight.

- ☑ IDEAL FOR SMALLER ENGINEERED WALLS UP TO 12 FEET

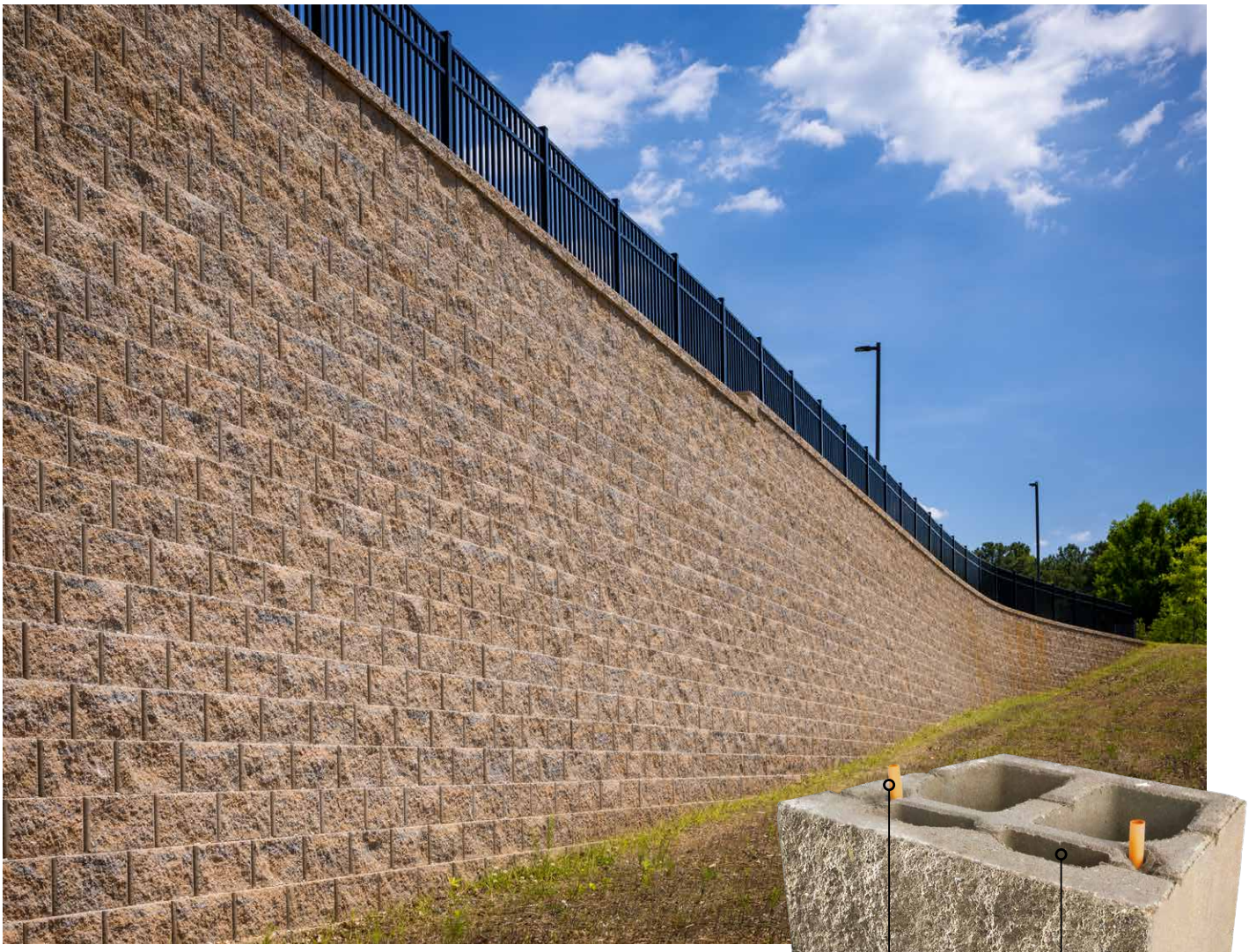
- Rear lip locator for consistent alignment and efficient installation
- Build walls over 50 feet high with geosynthetic reinforcement
- The original Diamond Pro high-performance block, with over 500 million units installed

Diamond Pro®

Engineered for performance and trusted for durability, the Diamond Pro® retaining wall system is the ideal solution for tall walls, commercial developments, and other demanding structural applications.

☑ VERSATILE BLOCK FOR TALL ENGINEERED WALLS

- Pin system offers precise alignment and site-dependent batter options
- Build walls over 50 feet high with geosynthetic reinforcement
- Optimize land with the 1.7° batter pin position or offer an angled setback with a 7.1° batter



Diamond Pro® PS

Designed for strength, design flexibility, and ease of installation, the Diamond Pro® PS system features a pin system for precise pin system locator alignment and multiple batter options, making it ideal for both structural performance and design versatility.

☑ USE FOR TALL AND NEAR-VERTICAL WALLS

Diamond Pro® Series Colors & Textures

Tackling a project with more than one wall? The Diamond Pro® Series is designed to match colors, dimensions, and face styles — ensuring a cohesive, professional finish from one wall to the next.

Straight Face

GRAY

TAN

CHARCOAL

Smooth Face

ANTHRACITE

SHADED GRAY

HICKORY

Quarried Face

IRON BAY

ASHWOOD

Want more options?

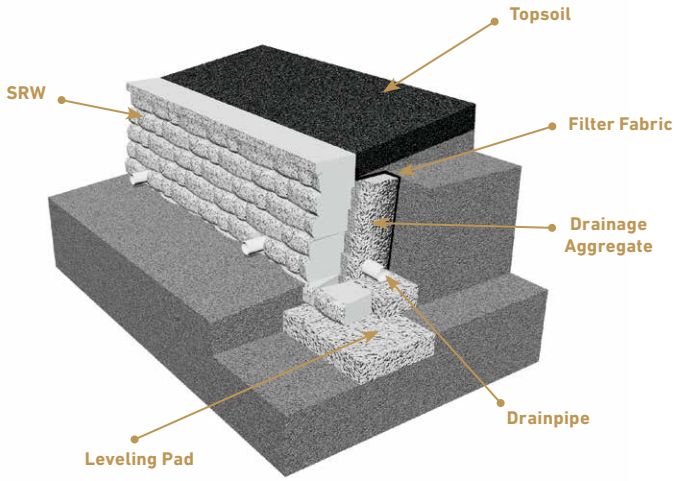
Additional colors and face styles are available regionally and by custom order. Scan the product QR codes or ask your Belgard Sales Representative for more information.

Types of Retaining Wall Construction

A deep understanding of retaining wall types is essential for selecting the most appropriate solution for your landscaping or infrastructure project. Retaining walls play a critical role in ensuring stability and enhancing the aesthetics of residential, commercial and industrial outdoor spaces. Each type of retaining wall offers unique benefits tailored to specific project needs, from managing soil pressure to accommodating significant height and load requirements. Trust Belgard to provide the expertise to ensure the success of your project.

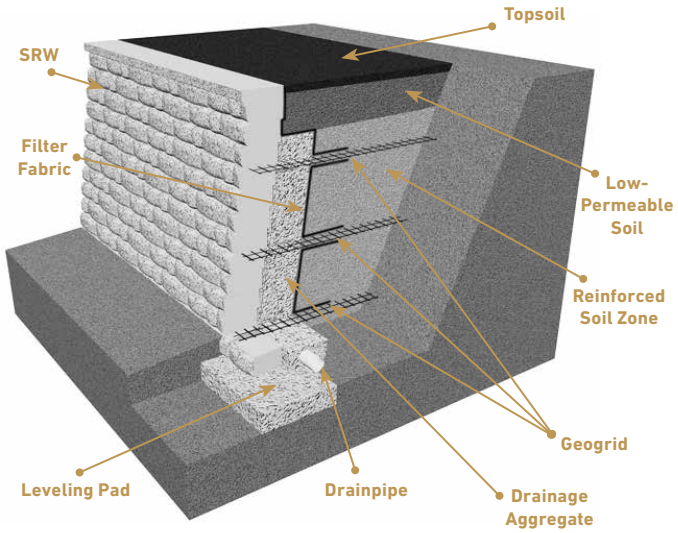
Gravity Wall Construction

A gravity retaining wall relies on the weight, depth, and batter of the segmental retaining wall (SRW) units to resist the soil forces exerted on the wall. Geogrid soil reinforcement is not used with gravity walls. The allowable heights of gravity retaining walls are typically limited to 2 to 3 times the front-to-back depth of the SRW facing unit, but are both product- and project-specific.



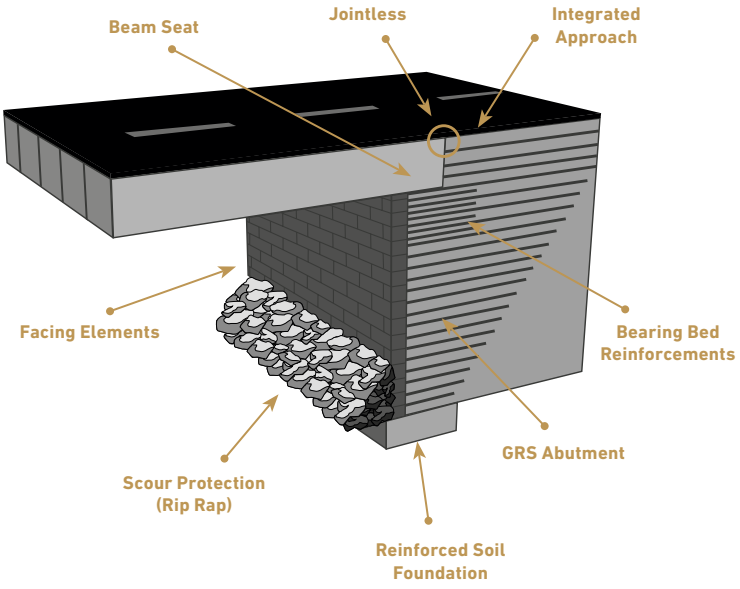
Geosynthetic-Reinforced Retaining Wall

Geosynthetic reinforced walls use soil reinforcement layers, typically geogrids, to stabilize the soil behind the SRW facing, creating a coherent mass large enough to resist the soil forces acting on the wall system. The SRW facing unit, the reinforced soil, and the geosynthetic reinforcement together form the retaining wall system. To resist more load, the reinforcement layers are lengthened and/or strengthened to provide the required resistance. Thus, reinforced wall systems can be designed for much taller earth retention heights and loading conditions than conventional gravity walls. Reinforced retaining walls should be designed by a qualified engineer and constructed by experienced contractors.



Geosynthetic Reinforced Soil–Integrated Bridge System (GRS-IBS)

The Federal Highway Administration has developed GRS-IBS technology as an innovative and cost-effective bridge system as an alternate option to conventional bridge construction. The system uses closely-spaced geosynthetic reinforcement layers and compacted aggregate to directly support the bridge superstructure. Due to the simplicity of design, construction speed, use of readily available materials, and the elimination of deep foundations, the GRS-IBS method can reduce costs by 25-60% compared to conventional methods. GRS-IBS should be designed by a qualified engineer and constructed by experienced contractors.



Our Complete Family of Outdoor Brands

Meet the whole family! As an Oldcastle APG brand, our premium hardscapes work in tandem with a complementary range of building solutions. Simplify sourcing and elevate your project with Belgard and Oldcastle APG—your trusted single-source partner in outdoor living and masonry construction.

Visit our specifier solutions page for BIM files and other specifier resources.

BELGARD COMMERCIAL
BelgardCommercial.com

Oldcastle APG
A CRH COMPANY

End-to-End Support

Our full line of landscape and retaining walls are backed by the foremost experts in the industry for wall design and engineering.

Site Planning & Engineering Services

No matter how complex your project requirements or site conditions, our in-house experts can assist with every step of the wall design and engineering process. Let our experts help with:

- Design services
- Project-specific specifications and details
- Constructability review
- Design peer review

Wall Estimator

Increase order efficiency and improve material quantity estimates with the Wall Estimator Tool.

Design Files

Make project planning easy by downloading specification documents and design files on our most popular products.

Technical Resources

Download cutsheets, installation details, specifications, and more.

Continuing Education

Belgard offers a variety of ongoing educational programs for our industry partners, including Lunch & Learns, online CEU courses, and our Belgard University training program.

Find these resources and more at BelgardCommercial.com

Find a local Belgard Commercial Sales Representative

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