



© 2016 Anchor Wall Systems. The logos, slogans, product names and other trademarks shown in this document are trademarks of Anchor Wall Systems (AWS). The wall systems are made and sold under license from Anchor Wall Systems.

Anchor Wall Systems, 5959 Baker Road, Suite 390, Minnetonka, MN 55345.

73.3269.4 08/16 4031



ANCHOR[®]
BUILD SOMETHING BEAUTIFUL



PRODUCTS AND SERVICES FOR THE STRUCTURAL WALL MARKET



Performance Beyond Expectations



DIAMOND PRO STONE CUT® RETAINING WALL SYSTEM

Master Engineering Allows Form to Follow Function

The Lexington School District One in South Carolina turned to the experts at Anchor Wall Engineering for solutions to build a new 524,000 square foot high school on a site that featured a highly variable topography of densely wooded land with wetlands and a ravine. The size and location of the site were ideal, but the extreme conditions required extensive development to make it a suitable building site with parking lots and athletic facilities. Anchor Wall Engineering designed a number of retaining walls and bridges featuring Diamond Pro Stone Cut® and Vertica® Stone Cut retaining wall systems, which were chosen for their aesthetics and structural integrity.

ANCHOR WALL ENGINEERING

In the past 15 years, the Anchor Wall Engineering (AWE) staff of professional engineers and CAD technicians has solved countless design challenges and provided preliminary and final designs for millions of square feet of retaining wall around the world. AWE engineers are licensed to provide certified drawings in several U.S. states. And with the innovative AnchorWall® design software, designers can transfer a conceptual layout to a comprehensive wall solution that includes shop drawings, materials takeoffs and final designs in many states.

Realize Your Vision

When it comes to the big-wall market, Anchor Wall Systems does a lot more than design beautiful retaining wall products. Anchor offers the complete package of products that meet engineering professionals' needs to create great-looking, long-lasting, structurally sound walls and creative construction techniques for challenging site circumstances.

The Anchor™ product line includes the best-selling Diamond Pro® retaining wall system, a staple of the construction industry, and the Diamond Pro Stone Cut® wall system, which brings a rich, premium look to the Diamond Pro product. Additionally, the Vertica® and Vertica Pro® retaining wall systems are trusted, versatile industry favorites; the Vertica Stone Cut® product features a textured appearance. The Vertica® and Landmark® retaining wall systems are the only segmental retaining wall systems in the world that has undergone the rigorous appraisal of the Highway Innovative Technology Evaluation Center (HITEC) and Landmark® retaining wall system has been approved for use by the British Board of Agrément. Several Anchor retaining wall systems have been approved for use by many Departments of Transportation (DOTs) across the United States.

Anchor Wall Systems develops attractive, durable and easy-to-install retaining wall systems. The company licenses its designs, which are backed by extensive testing and research, to more than 50 manufacturers in 20 countries who then market to contractors and homeowners through landscape supply dealers and big-box retailers. The end result is anything that can be imagined: innovative, lasting landscapes and environmentally sound walls that let consumers and contractors design – and build – something beautiful.

Anchor Wall Systems' ICC-ES evaluation report No. 1959 has recently been updated to note compliance to 2009 and 2015 International Building Codes.



LANDMARK® RETAINING WALL SYSTEM



VERTICA® RETAINING WALL SYSTEM



Inspiration at First Sight

Crafting a more beautiful world often demands a rich palette of colors and textures. That is precisely what Anchor Wall Systems offers with the creation of the Diamond Pro Stone Cut® and the Vertica Stone Cut® retaining wall systems.

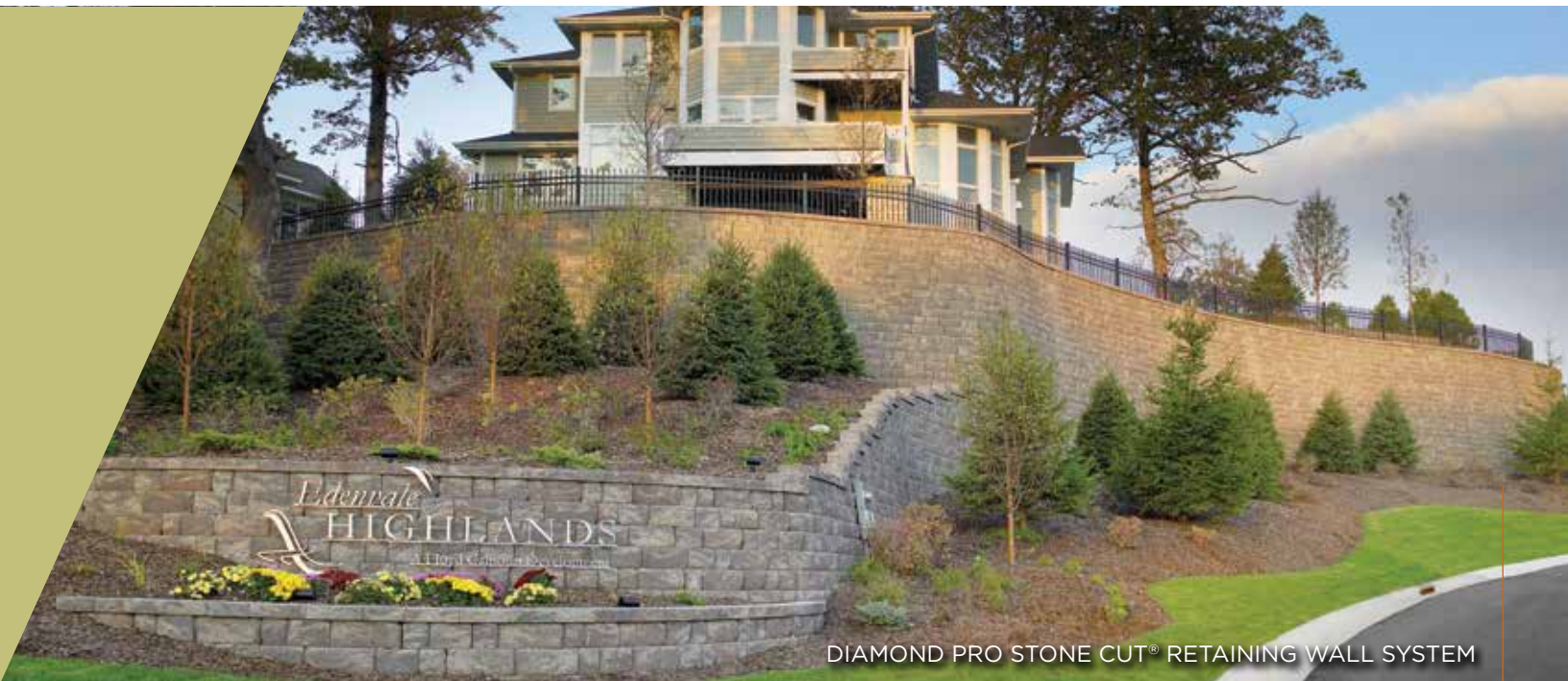
Renowned for their rough-textured faces and earthen tones, the Diamond Pro Stone Cut and the Vertica Stone Cut retaining wall systems impart to landscapes a beauty not commonly found in retaining walls. For greater visual appeal, these blocks have an affinity with nature, enriching projects with warmth and character. What's more, the Diamond Pro Stone Cut product is available in multiple sizes, making curves easier to create, virtual joint options for a multi-piece look and thus allowing more specialized applications. Even better, they're only two of the many block options available within the Anchor Wall Systems family of wall products – all of which deliver the distinct appearance and structural integrity needed to meet any requirement of segmental retaining walls.

DIAMOND PRO STONE CUT® WITH VIRTUAL JOINT
RETAINING WALL SYSTEM



DIAMOND PRO STONE CUT RETAINING WALL SYSTEM





DIAMOND PRO STONE CUT® RETAINING WALL SYSTEM

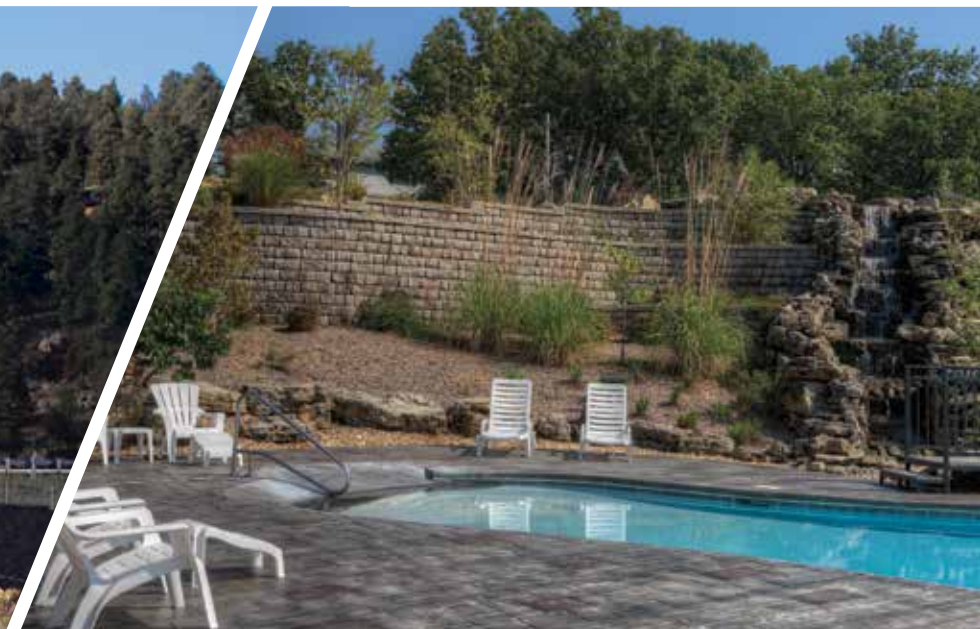
Meeting the New Expectation

Home buyers' expectations aren't limited to the interior; they also insist on landscapes that please. According to Floyd Calhoun, a large residential developer, "The surrounding area has to be attractive. With the Diamond Pro Stone Cut® retaining wall system, the style, aesthetics and quality are all there. It's an awesome product. The rounded corners and distressed face are perfect. And the color – I couldn't have custom-ordered a better color for the setting."

DIAMOND PRO STONE CUT RETAINING WALL SYSTEM



DIAMOND PRO STONE CUT RETAINING WALL SYSTEM



DIAMOND PRO STONE CUT® RETAINING WALL SYSTEM



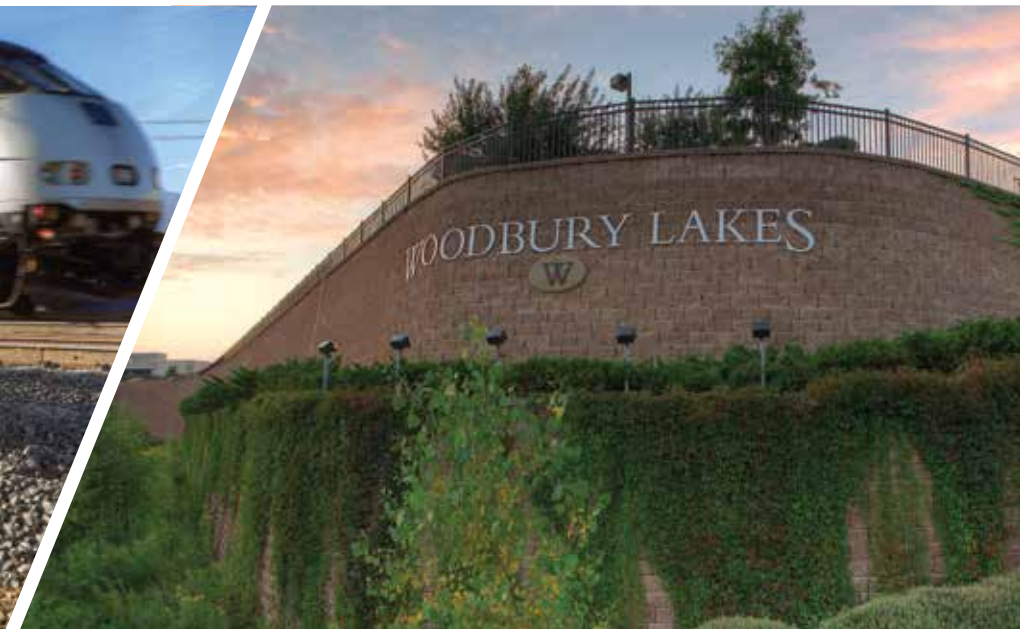
Bridging the Gap

For a true test of segmental retaining wall strength, few projects are more demanding than land bridges. At Armistead Point, a development in Williamsburg, Virginia, engineers designed a land bridge that is 240 feet long and 15 feet wide, and provides a 250 psf traffic live load at its crest. A load transfer platform and the Diamond Pro Stone Cut® retaining wall system were chosen for the wall.

LANDMARK® RETAINING WALL SYSTEM



DIAMOND PRO STONE CUT® RETAINING WALL SYSTEM



for Critical Applications

Proven performance with legendary strength. That's the legacy of Anchor™ retaining wall systems.

Architects, engineers and contractors all turn to the Diamond Pro® retaining wall system for their critical wall needs. Especially now that it offers the same proven reliability and the attractive look of quarried stone with the Diamond Pro Stone Cut® product.

The performance characteristics of the Diamond Pro Stone Cut, Diamond Pro, Vertica® and Landmark® retaining wall systems make them the proven solution for tall walls, transportation projects, commercial developments, water applications and other critical wall needs. Whether your site plans call for the creative use of a slope, retaining earth in a challenging environment or enhancing an area's appearance, there's no better choice than trusted Anchor products.

DIAMOND PRO STONE CUT RETAINING WALL SYSTEM



Specialty Applications

In many retaining wall applications, sufficient space does not exist behind the reinforcement. The Anchorplex® system, Landmark® direct-anchorage systems combined with Anchor™ products, are reliable, aesthetically pleasing and cost

ANCHORPLEX® SYSTEM

The Anchorplex system offers a unique, nonconventional solution to problematic wall construction sites. It is a retaining wall built with Anchor™ products and self-compacting structural backfill specified by Anchor Wall Systems, and backed by engineering support tools developed by Anchor.

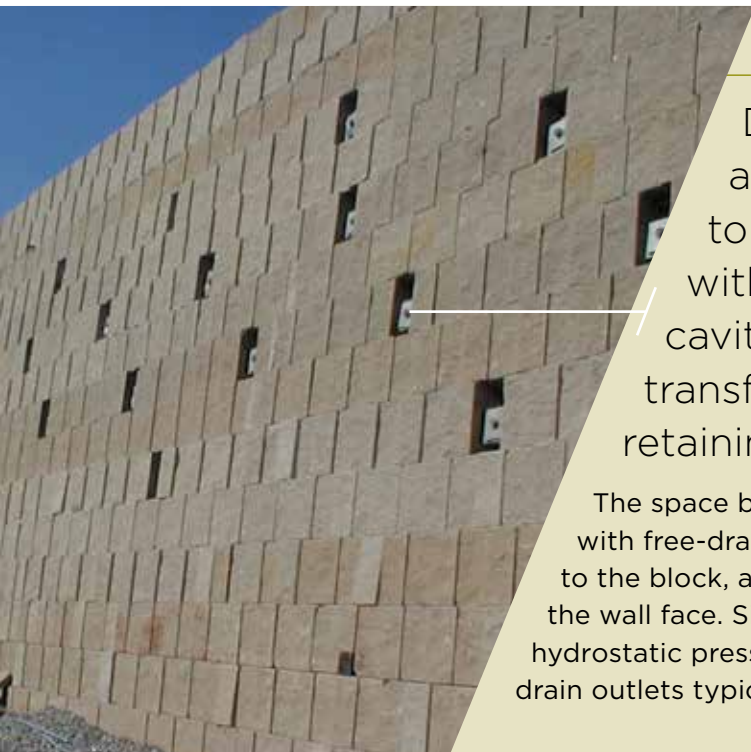
When used in combination with blocks of the appropriate shape, the structural backfill attaches itself to the wall facing, effectively extending the depth and increasing the mass. In addition, the structural backfill zone also serves as the required drainage zone.

Using the Anchorplex system completely eliminates the need for the construction of a mechanically stabilized earth zone behind the wall facing and requires substantially less excavation than is usually necessary in grid-reinforced wall construction. Because of these efficiencies and the design flexibility afforded with the Anchorplex system, millions of square feet of such walls have been installed and are successfully performing worldwide.

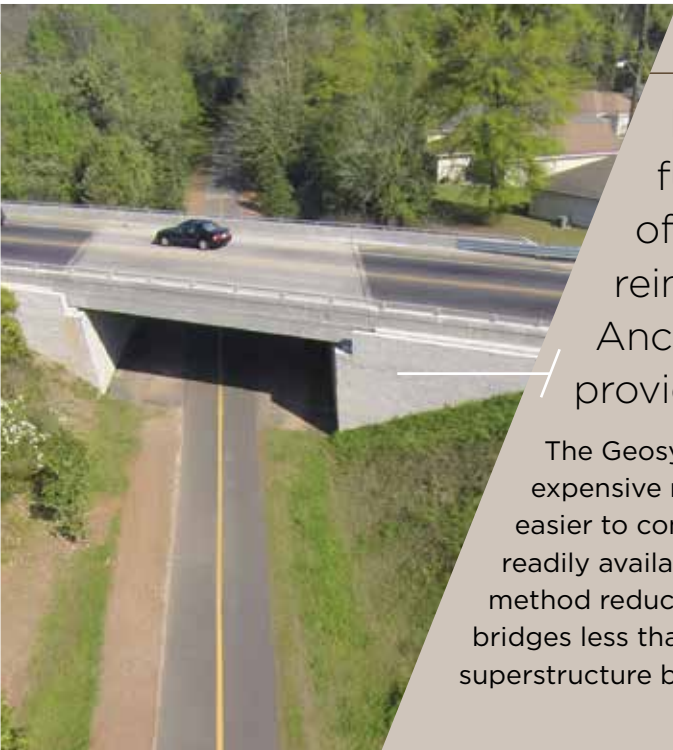
LANDMARK® DIRECT-ANCHORAGE

Direct anchorage anchors (e.g., soil nail) are installed into the ground and connected to galvanized steel beams (walers) placed within the specifically-designed horizontal cavity in the Landmark® retaining wall blocks, transferring the load from the segmental retaining wall units to the anchors.

The space between the excavated face and the Landmark units is filled with free-draining aggregate, which transfers stress from the retained soil to the block, and provides drainage between the excavated surface and the wall face. Since the Landmark units are not mortared, but interlocked, hydrostatic pressure is released through the joints in the blocks as well as the drain outlets typically placed along the bottom of the wall.



face units to allow excavation or conventional placement of geosynthetic and Geosynthetic Reinforced Soil – Integrated Bridge System (GRS-IBS), effective solutions.



GRS-IBS

For bridge projects with limited time and funds, this proven technology alternates layers of compacted granular fill material and geotextile reinforcement. In combination with appropriate Anchor™ retaining wall product, this method provides support for the bridge superstructure.

The Geosynthetic Reinforced Soil – Integrated Bridge System replaces expensive methods of conventional bridge construction. Because they are easier to construct due to the simplicity of design, construction speed, use of readily available materials and the elimination of deep foundations, the GRS-IBS method reduces cost by 25-60%. Currently, this method is limited to single-span bridges less than 140 feet long with abutment heights up to 30 feet and a maximum superstructure bearing pressure of 4000 psf.

Lasting Beauty Shouldn't

All Anchor™ retaining wall products feature integral locators to ensure quick, easy and accurate installation.



No pins. No mortar. No misalignments.

Rear-lip locator invented by Anchor makes installation fast and accurate. Anchor — the original rear-lip product!





REAR-LIP LOCATOR PRODUCTS

DIAMOND PRO STONE CUT® RETAINING WALL SYSTEM

Units	Large		Medium		Small
Approximate Dimensions*	8" x 18" x 12"		8" x 11" x 12"		8" x 7" x 12"
Approximate Weight*	77 lbs.		45 lbs.		34 lbs.
Coverage	1.00 sq. ft.		0.61 sq. ft.		0.39 sq. ft.
Setback/System Batter	1"/7.1°		1"/7.1°		1"/7.1°

SEE BELOW FOR OPTIONAL ACCESSORIES.

DIAMOND PRO STONE CUT® VIRTUAL JOINT RETAINING WALL SYSTEM

Units	Virtual joint left		Virtual joint right		Solid face
Approximate Dimensions*	8" x 18" x 12"		8" x 18" x 12"		8" x 18" x 12"
Approximate Weight*	77 lbs.		77 lbs.		77 lbs.
Coverage	1.00 sq. ft.		1.00 sq. ft.		1.00 sq. ft.
Setback/System Batter	1"/7.1°		1"/7.1°		1"/7.1°



SEE BELOW FOR OPTIONAL ACCESSORIES.

DIAMOND PRO® RETAINING WALL SYSTEM

Units	Beveled Face		Straight Face	
Approximate Dimensions*	8" x 18" x 12"		8" x 18" x 12"	
Approximate Weight*	72 lbs.		74 lbs.	
Coverage	1.00 sq. ft.		1.00 sq. ft.	
Setback/System Batter	1"/7.1°		1"/7.1°	

SEE BELOW FOR OPTIONAL ACCESSORIES.

DIAMOND PRO STONE CUT AND DIAMOND PRO PRODUCT ACCESSORIES

Accessories	Cap		Corner	
Approximate Dimensions*	Front, 4" x 17 1/4" x 10 3/8" Back, 4" x 12" x 10 3/8"		8" x 18" x 9" 8" x 18" x 9"	
Approximate Weight*	47 lbs.		101 lbs.	
Coverage	1.22 lin. ft.		1.50 sq. ft.	

*Actual dimensions and weight may vary from these approximate values due to variations in manufacturing processes. Specifications may change without notice. See your Anchor representative for details, color options, block dimensions and additional information.

Take Long to Install

LUG LOCATOR PRODUCTS

VERTICA® RETAINING WALL SYSTEM

Units	Straight Face	Beveled Face
Approximate Dimensions*	8" x 18" x 11"	8" x 18" x 11"
Approximate Weight*	80 lbs.	78 lbs.
Coverage	1.00 sq. ft.	1.00 sq. ft.
Setback/System Batter	$\frac{9}{32}$ " at 2° or $\frac{9}{16}$ " at 4°	$\frac{9}{32}$ " at 2° or $\frac{9}{16}$ " at 4°

VERTICA, VERTICA PRO & VERTICA STONE CUT PRODUCT ACCESSORIES

Cap
Front, 4" x 17 $\frac{1}{4}$ " x 10 $\frac{3}{8}$ "
Back, 4" x 12" x 10 $\frac{3}{8}$ "
41 lbs.
1.22 lin. ft.

VERTICA PRO® RETAINING WALL SYSTEM

Units	Straight Face	Beveled Face
Approximate Dimensions*	8" x 18" x 20"	8" x 18" x 20"
Approximate Weight*	115 lbs.	112 lbs.
Coverage	1.00 sq. ft.	1.00 sq. ft.
Setback/System Batter	$\frac{9}{16}$ "/4°	$\frac{9}{16}$ "/4°

Corner
8" x 18" x 9"
101 lbs.
1.00 sq. ft. front
0.50 sq. ft. end

VERTICA STONE CUT® VIRTUAL JOINT RETAINING WALL SYSTEM

Units	Virtual joint left	Virtual joint right	Solid face
Approximate Dimensions*	8" x 18" x 11"	8" x 18" x 11"	8" x 18" x 11"
Approximate Weight*	81 lbs.	80 lbs.	80 lbs.
Coverage	1.00 sq. ft.	1.00 sq. ft.	1.00 sq. ft.
Setback/System Batter	$\frac{9}{32}$ " at 2° or $\frac{9}{16}$ " at 4°	$\frac{9}{32}$ " at 2° or $\frac{9}{16}$ " at 4°	$\frac{9}{32}$ " at 2° or $\frac{9}{16}$ " at 4°

FLANGE LOCATOR PRODUCTS

LANDMARK® RETAINING WALL SYSTEM

Units	Full	Tapered Full	Tapered Half-High	Foundation
Approximate Dimensions*	15" x 8" x 12 $\frac{5}{8}$ " 15" x 8" x 11 $\frac{7}{8}$ "	15" x 8" x 15 $\frac{5}{8}$ " 15" x 8" x 11 $\frac{7}{8}$ "	7 $\frac{1}{2}$ " x 8" x 12 $\frac{3}{16}$ " 7 $\frac{1}{2}$ " x 8" x 11 $\frac{3}{16}$ "	7 $\frac{1}{2}$ " x 8" x 11 $\frac{3}{4}$ "
Approximate Weight*	87/83 lbs.	82/78 lbs.	52/49 lbs.	48 lbs.
Coverage	0.83 sq. ft.	0.83 sq. ft.	0.42 sq. ft.	0.42 sq. ft.
Setback/System Batter	1"/3.8°	1"/3.8°	$\frac{1}{2}$ "/3.8°	$\frac{1}{2}$ "/0°

Accessories	Cap	Lock Bar
Approximate Dimensions*	3 $\frac{3}{4}$ " x 17 $\frac{1}{4}$ " x 10 $\frac{3}{8}$ " 3 $\frac{3}{4}$ " x 11" x 10 $\frac{3}{8}$ "	Length 5'4" Material Extruded polymer
Approximate Weight*	44 lbs.	
Coverage	1.18 lin. ft.	