

KEYSTONE STRUCTURAL IDEABOOK



INDEX

This Keystone Ideabook features a wide-variety of real-life Keystone retaining wall projects. After over 20 years at the forefront of the industry, Keystone Retaining Wall Systems, Inc. continues to set the standard for excellence and innovation within the segmental retaining wall industry. Keystone represents the global benchmark in soil retention, erosion control and landscape systems. Holding over 50 patents, Keystone symbolizes cutting-edge design, performance and aesthetics.

Keystone partners with the best network of product developers, engineers, sales professionals and manufacturers in the business. They help ensure that Keystone offers the best in site solutions for residential, commercial, recreational, industrial and government applications. To learn more about the quality and value in Keystone Retaining Wall Systems products and services, please visit us on the web at www.keystonewalls.com or call 800-747-8971.



PRODUCTS:

<i>Keystone Standard - Series I & II</i>	3
<i>Keystone Compac - Series I & II</i>	4
<i>Keystone Keysystem I</i>	5
<i>Keystone 133Elite</i>	6
<i>Keystone Century Wall & Keystone Half Century Wall</i>	7
<i>Keystone Country Manor</i>	8
<i>Keystone Stonegate Country Manor</i>	9

APPLICATIONS:

<i>Residential Development</i>	10
<i>Residential</i>	11
<i>Commercial</i>	12-13
<i>Industrial</i>	14
<i>Institutional</i>	15
<i>Parks & Recreation</i>	16
<i>Golf Courses</i>	17
<i>Highway & Roadway</i>	18-19
<i>Water</i>	20
<i>Amphitheaters</i>	21
<i>Bridges & Culverts</i>	22-23

DETAILS:

<i>Coping & Barriers</i>	24
<i>Signage</i>	25
<i>Corners</i>	26
<i>Curves</i>	27
<i>Terraces</i>	28-29
<i>Steps & Stairs</i>	30
<i>Straightface</i>	31
<i>Plantable Walls</i>	32
<i>Fences & Railings</i>	33
<i>Patterns & Accents</i>	34
<i>Keystone At Your Service</i>	35

KEYSTONE STANDARD UNIT - Series I & II



The industry-leading Keystone Standard unit is the preferred choice for tall walls and critical structures.



***Size:**

- Series I: 8" h x 21 1/2" d x 18" w
(200 x 550 x 450 mm)
- Series II: 8" h x 18" w x 18" d
(200 x 450 x 450 mm)

Exposed Face Area:

- 1 sq. ft. - 8" x 18"

***Weight:**

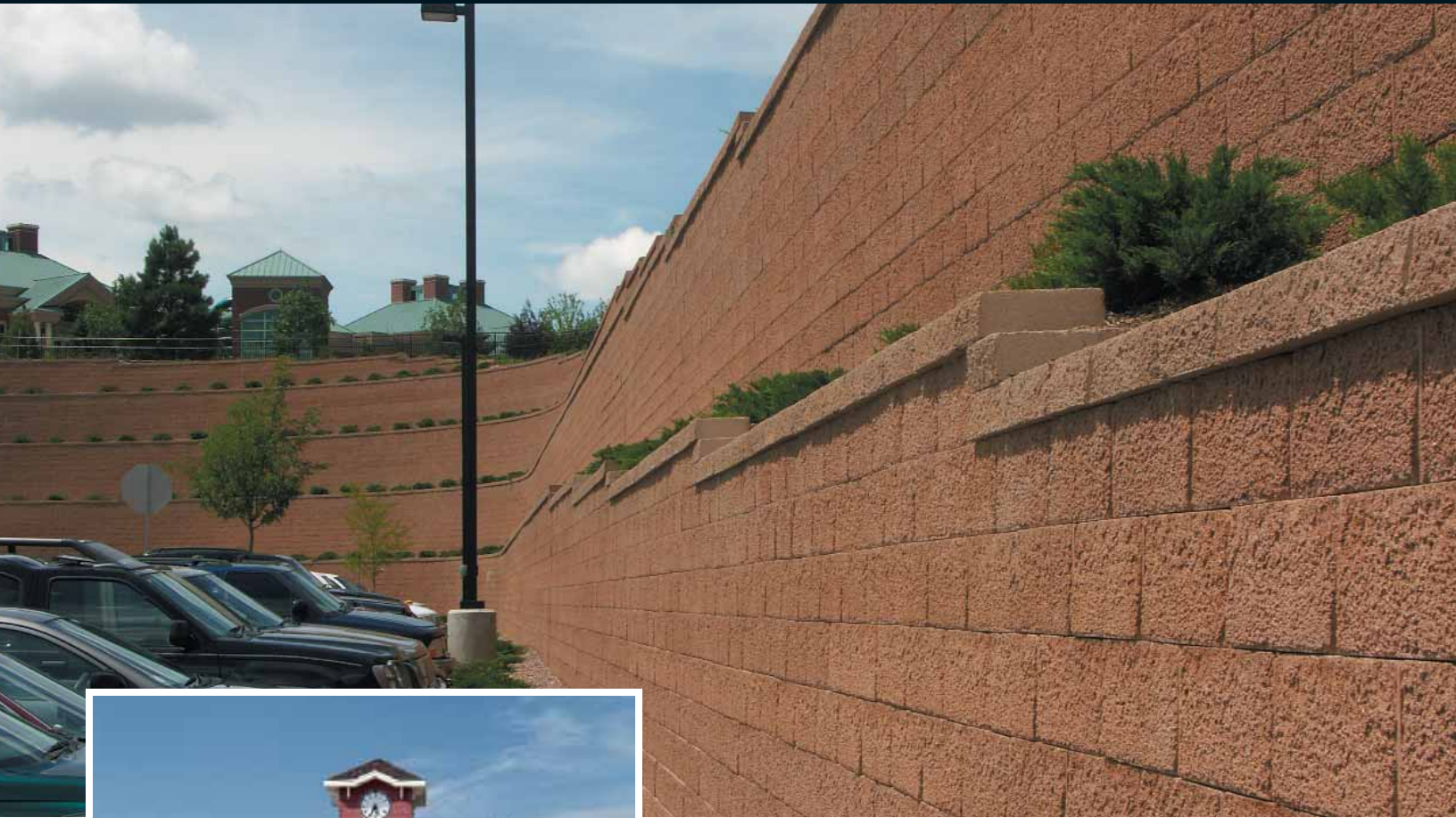
- 105 lbs. (50 kg)

**Note: Unit colors, dimensions, weight, and availability vary by manufacturer.*

Note: Keystone also offers a beveled face design, Keystone Victorian Stone™ for the Standard unit. This product is only available in certain markets. Contact your local Keystone representative for additional information.



KEYSTONE COMPAC UNIT - Series I & II



The Keystone Compac offers outstanding structural performance in a lightweight, space-saving design – perfect for tighter radius curves and corners.



***Size:**
• 8" h x 12" d x 18" w
(200 x 300 x 450 mm)

***Weight:**
• 85 lbs. (39 kg)

Exposed Face Area:
• 1 sq. ft. - 8" x 18"

**Note: Unit colors, dimensions, weight, and availability vary by manufacturer.*

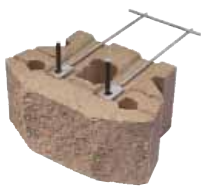
Note: Keystone also offers a beveled face design, Keystone Victorian Stone™, and a Compac Hewnstone face option for the Compac unit. These products are only available in certain markets. Contact your local Keystone representative for additional information.

Products

KEYSTONE KEYSYSTEM I®



The high-performance Keystone KeySystem I® combines 4000 PSI units, high-strength fiberglass pins, and steel reinforcement to meet the highest loading requirements often found in heavy construction and highway projects.



***Size:**
• 8" h x 12" d x 18" w
(200 x 300 x 450 mm)

Exposed Face Area:
• 1 sq. ft. - 8" x 18"



***Weight:**
• 85 lbs. (39 kg)



**Note: Unit colors, dimensions, weight, and availability vary by manufacturer.*

KEYSTONE 133ELITE®



The forward-thinking design of the Keystone 133Elite® combines great looks with increased efficiency. In addition to conventional textures, Keystone's StoneArt embossing technology can produce units with specially-designed natural textures.



**Size:*
• 8" h x 11½" d x 24" w
(200 x 290 x 610 mm)

**Weight:*
• 90 lbs. (41 kg)

**Note: Unit colors, dimensions, weight, and availability vary by manufacturer.*

Products

KEYSTONE CENTURY WALL® & HALF CENTURY WALL®



Keystone Century Wall® has the ability to support heavy loading conditions and offers the distinctive appearance of random-pattern, natural stone walls.

The 4" Keystone Half Century Wall® can be combined with 8" Keystone Century Wall units or used on its own for almost any application.

Keystone Century Wall



***Large unit**
8"h x 12"d x 18"w
(200 x 300 x 450mm)
93 lbs. (42 kg)

***Medium unit**
8"h x 12"d x 11"w
(200 x 300 x 280mm)
58 lbs. (26 kg)

***Small unit**
8"h x 12"d x 7"w
(200 x 300 x 180mm)
37 lbs. (17 kg)

Keystone Half Century Wall



***Large unit**
4"h x 12"d x 18"w
(100 x 300 x 450mm)
46 lbs. (21 kg)

***Medium unit**
4"h x 12"d x 11"w
(100 x 300 x 280mm)
29 lbs. (13 kg)

***Small unit**
4"h x 12"d x 7"w
(100 x 300 x 180mm)
18 lbs. (8 kg)

**Note: Unit colors, dimensions, weight, and availability vary by manufacturer.*

KEYSTONE COUNTRY MANOR®



Keystone Country Manor® offers the look of old-world stone walls and the strength of modular, pin-connected technology.



*6"h x 10"d x 16"/14"w
(150 x 250 x 400/350mm)
60 lbs. (27 kg)



*6"h x 10"d x 12"/10"w
(150 x 250 x 300/250mm)
40 lbs. (18 kg)



*6"h x 10"d x 12"/12"w
(150 x 250 x 300/300mm)
45 lbs. (20 kg)
(Two smooth ends for vertical stacking capability)



*6"h x 10"d x 10"/8"w
(150 x 250 x 250/200mm)
45 lbs. (20 kg)



*6"h x 10"d x 8"/6"w
(150 x 250 x 200/150mm)
35 lbs. (16 kg)



*6"h x 10"d x 6"/4"w
(150 x 250 x 150/100mm)
25 lbs. (11 kg)

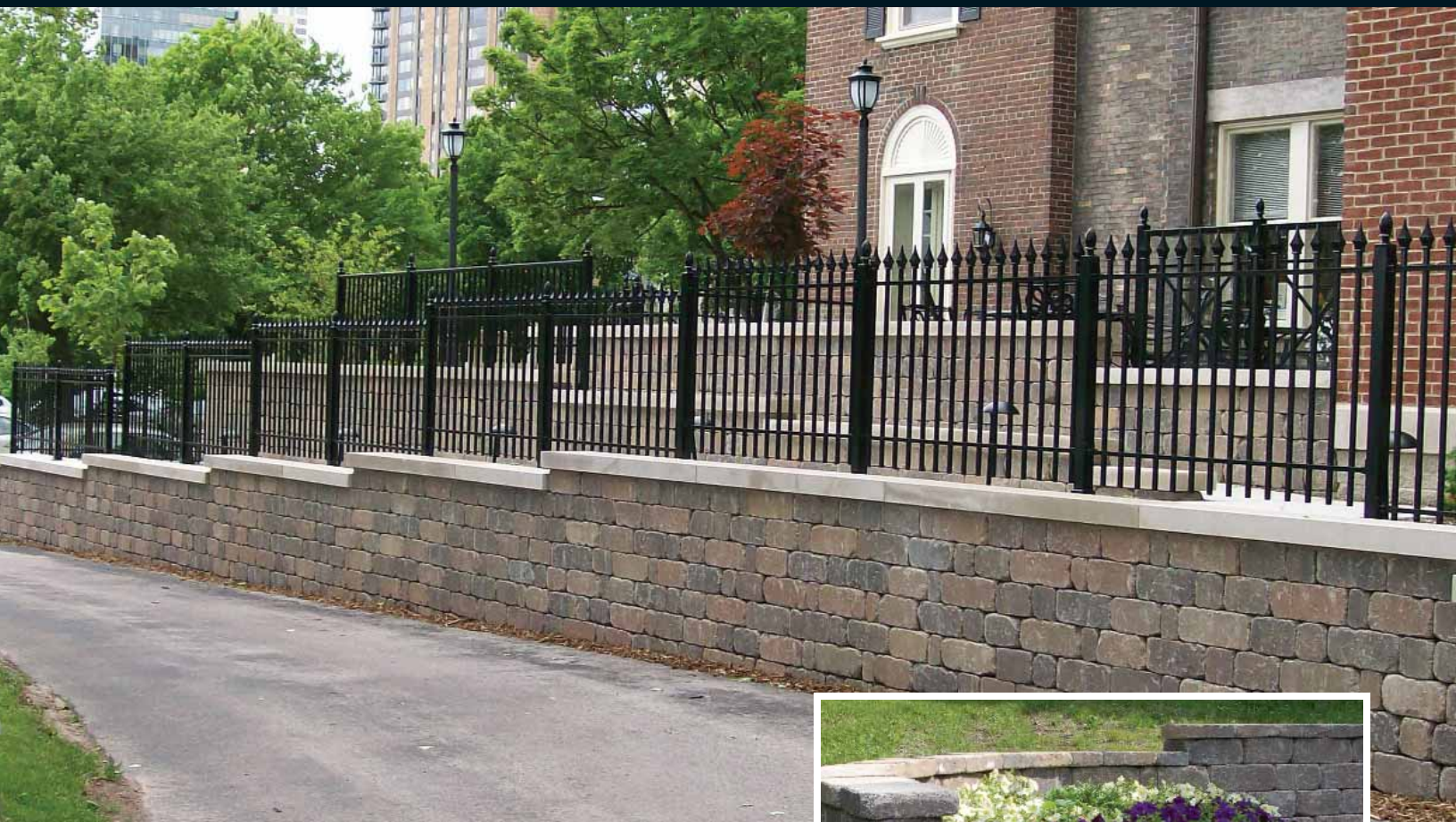


Keystone Country Manor Cap Unit
*3"h x 12"d x 14"/8"w
(75 x 300 x 355/200mm)
30 lbs. (14 kg)

**Note: The number and size of the units in the Keystone Country Manor System vary by region. The most common configurations are the 3 piece, 5 piece, and 6 piece systems. Please contact your local representative for further details. Unit colors, dimensions, weight, and availability may vary by manufacturer.*

Products

KEYSTONE STONEGATE® COUNTRY MANOR®



Keystone Stonegate® Country Manor® has all the best features of Keystone Country Manor, but with a smooth face resembling cut stone for a more refined look.



*Large unit
6"h x 10"d x 16/14"w
(150 x 250 x 400/300mm)
60 lbs. (27 kg)



*Medium unit
6"h x 10"d x 12/10"w
(150 x 250 x 300/250mm)
40 lbs. (18 kg)



*Small unit
6"h x 10"d x 6/4"w
(150 x 250 x 150/100mm)
25 lbs. (11 kg)



**Note: The number and size of the units in the Keystone Stonegate Country Manor System vary by region. The most common configurations are the 3 piece, 5 piece, and 6 piece systems. Please contact your local representative for further details. Unit colors, dimensions, weight, and availability may vary by manufacturer.*

RESIDENTIAL DEVELOPMENT

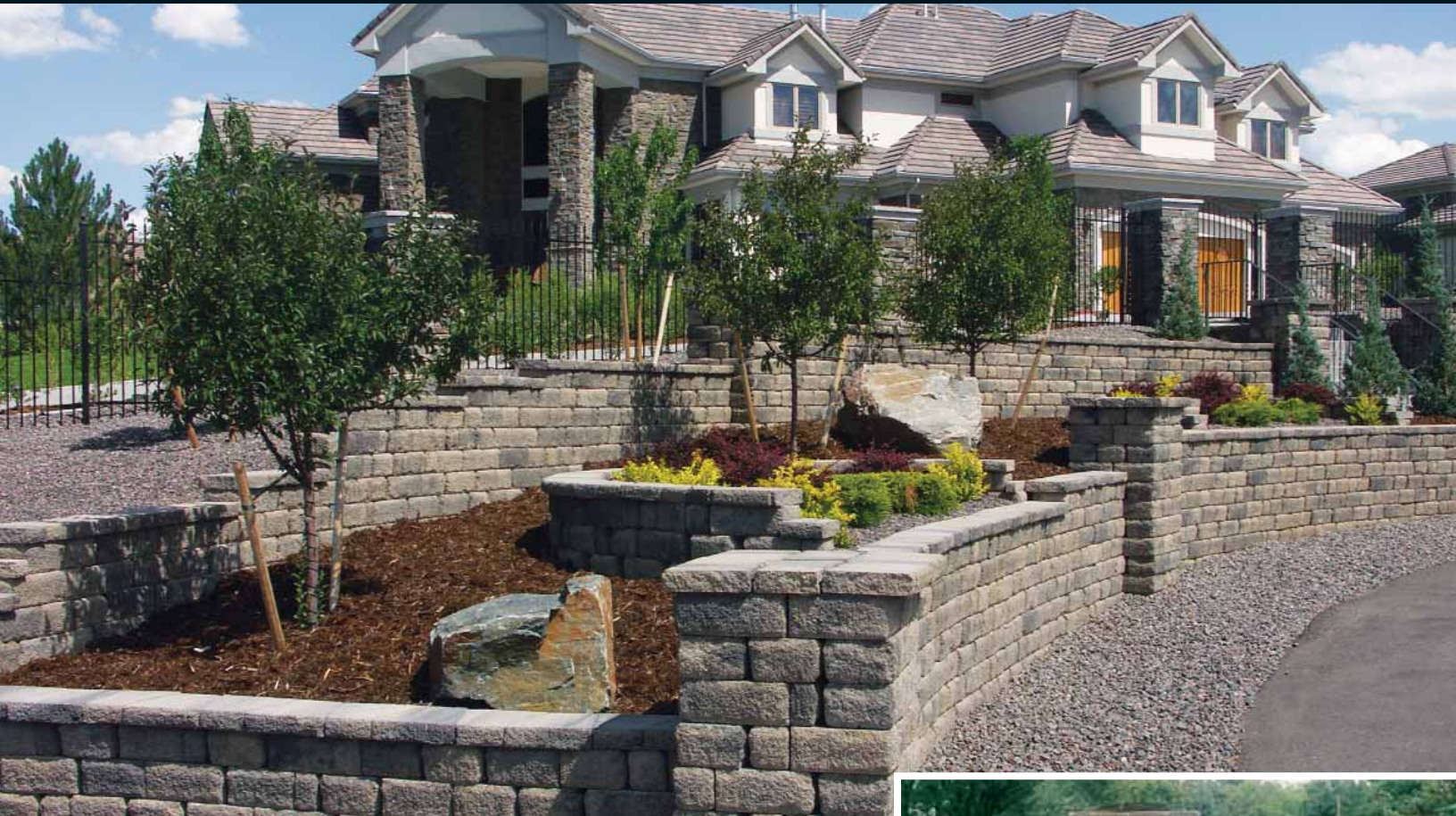
Keystone can help your development convey a feeling of quality, craftsmanship and character.



Applications

RESIDENTIAL

Homeowners appreciate Keystone's wide variety of products, finishes, colors and sizes.



COMMERCIAL



Applications

Keystone products and design services help create successful commercial projects.



INDUSTRIAL

Keystone takes pride in its industry-leading track record of success with industrial projects.



Applications

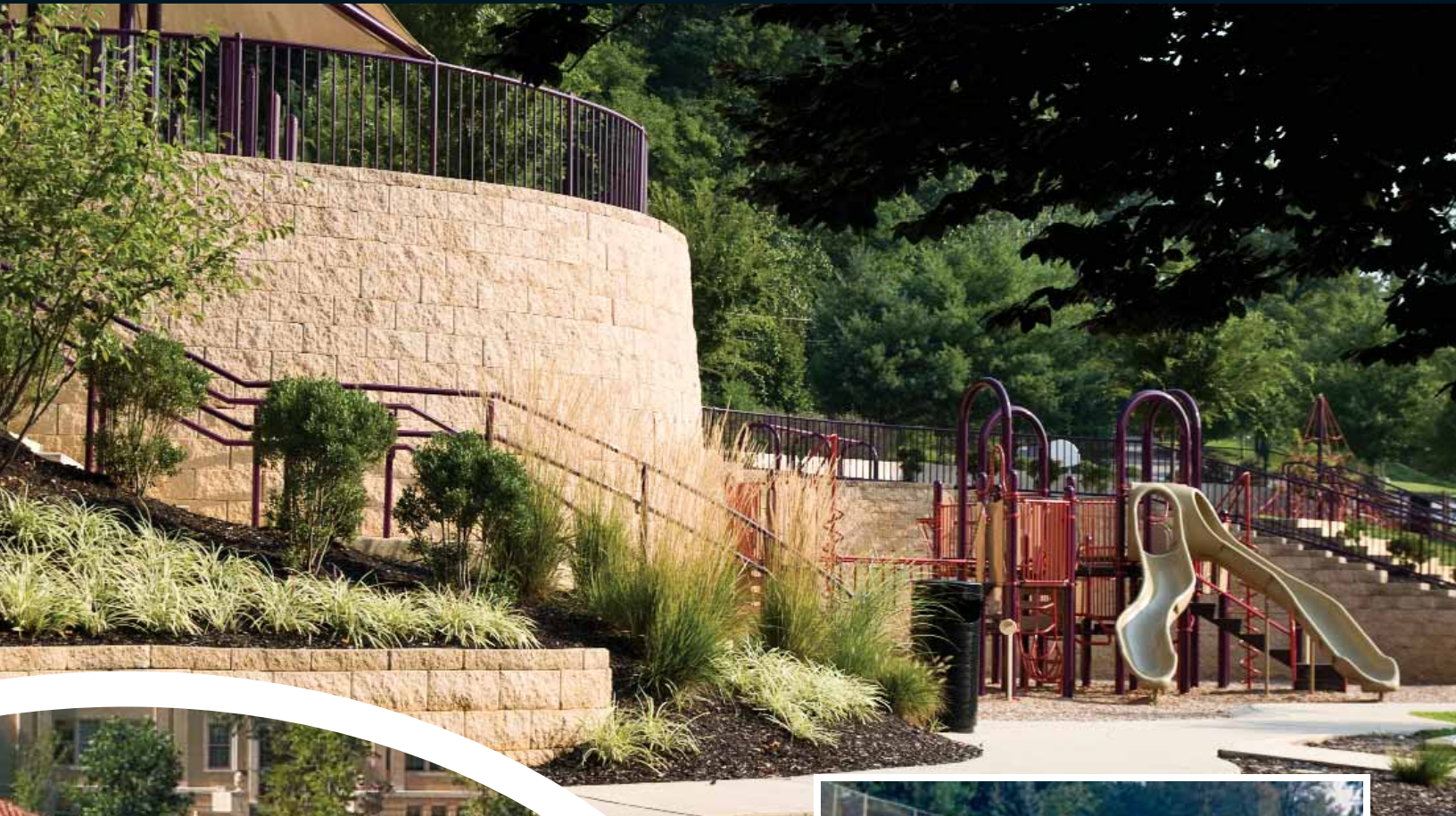
INSTITUTIONAL

Keystone is a trusted name in retaining wall solutions for schools, hospitals, and public buildings.



PARKS & RECREATION

Keystone's design flexibility makes it the easy choice for playground and park designers.



Applications

GOLF COURSES

Keystone provides an aesthetically pleasing solution for today's golf courses.

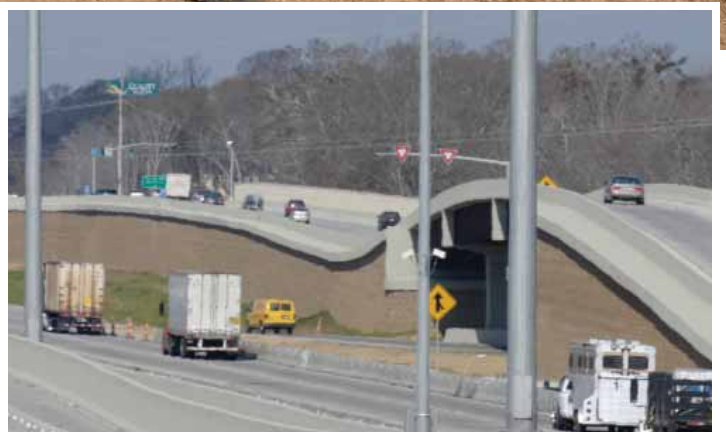


HIGHWAY & ROADWAY



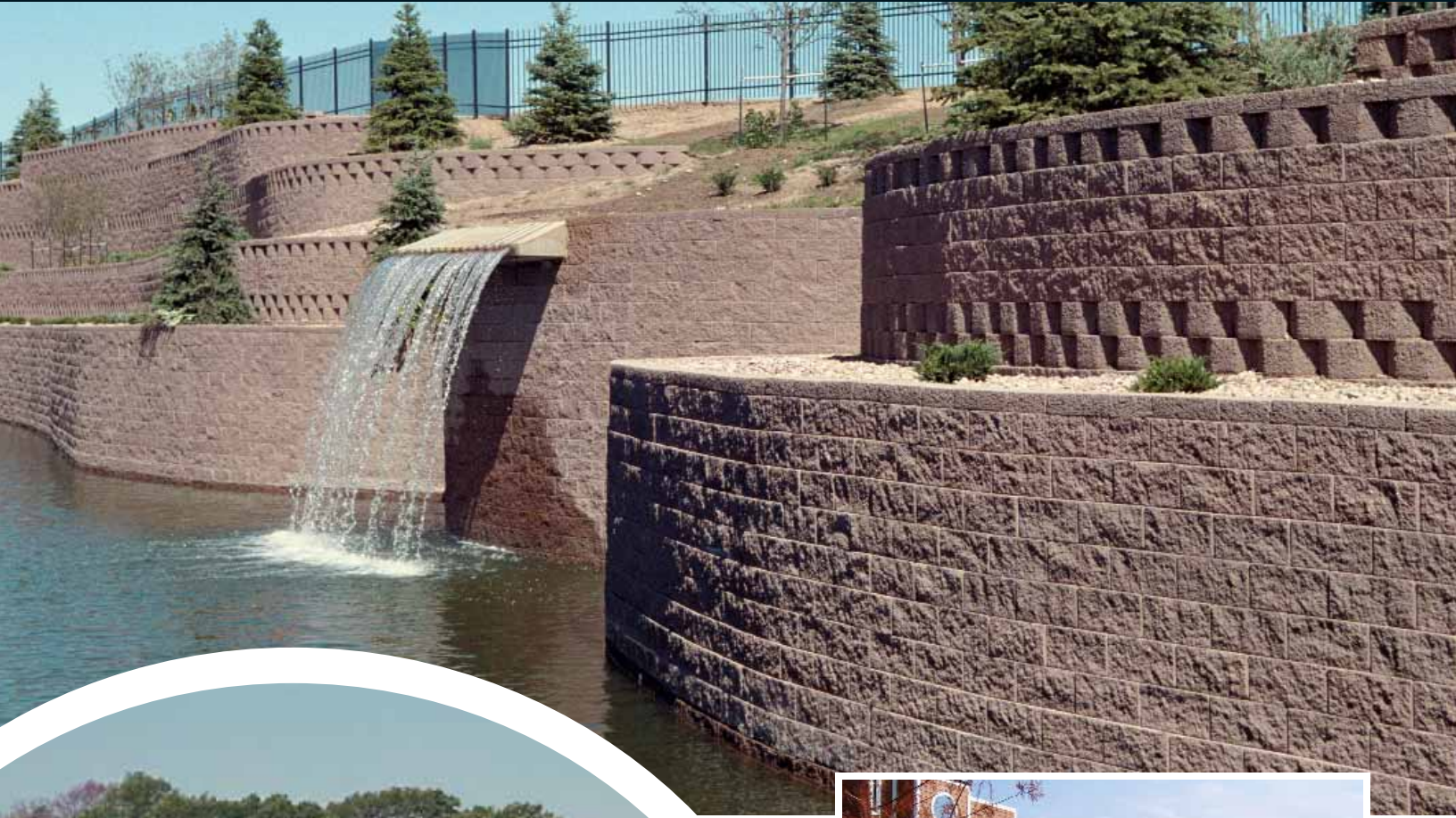
Applications

Keystone's versatility and heavy-loading capability make it the first choice for transportation projects.



WATER

Keystone's advanced technology lends itself perfectly to water incorporated applications.



Applications

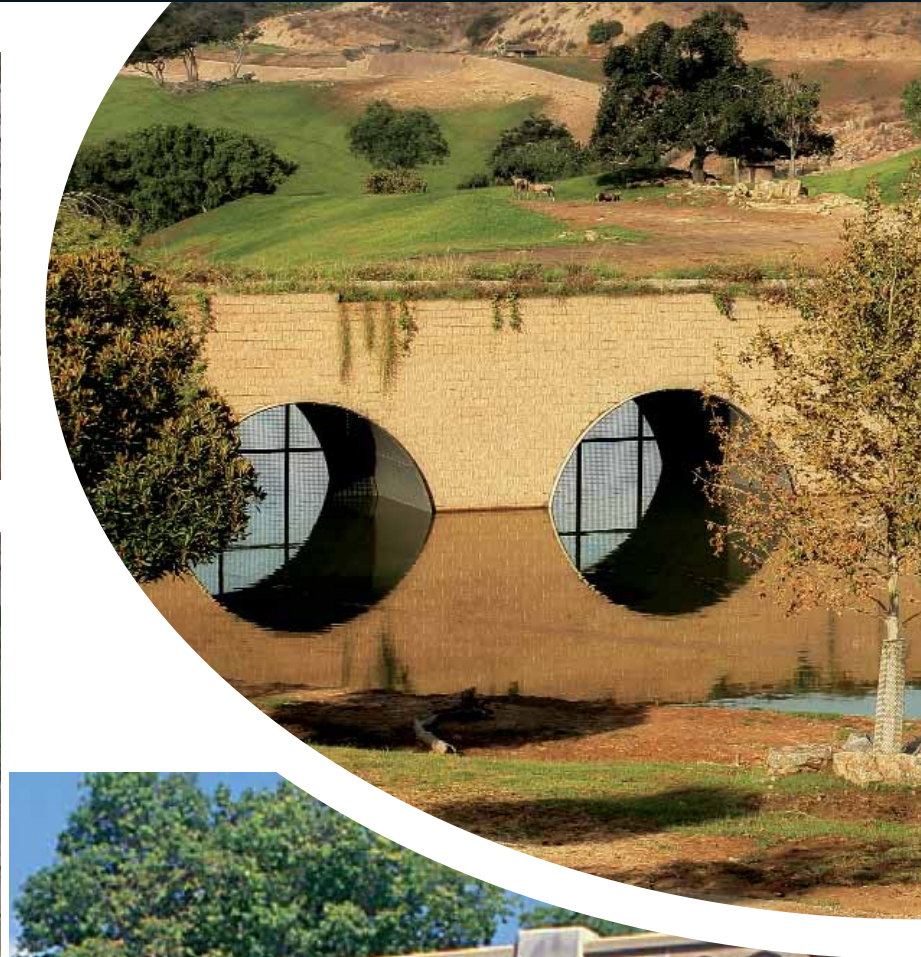
Heavy lake ice action, repeated freeze/thaw under saturated conditions or adverse water chemistry may have negative effects on the Keystone concrete units. Contact your Keystone representative about your specific site conditions.

AMPHITHEATERS

Keystone terrace structures become beautiful amphitheater applications.



BRIDGES & CULVERTS



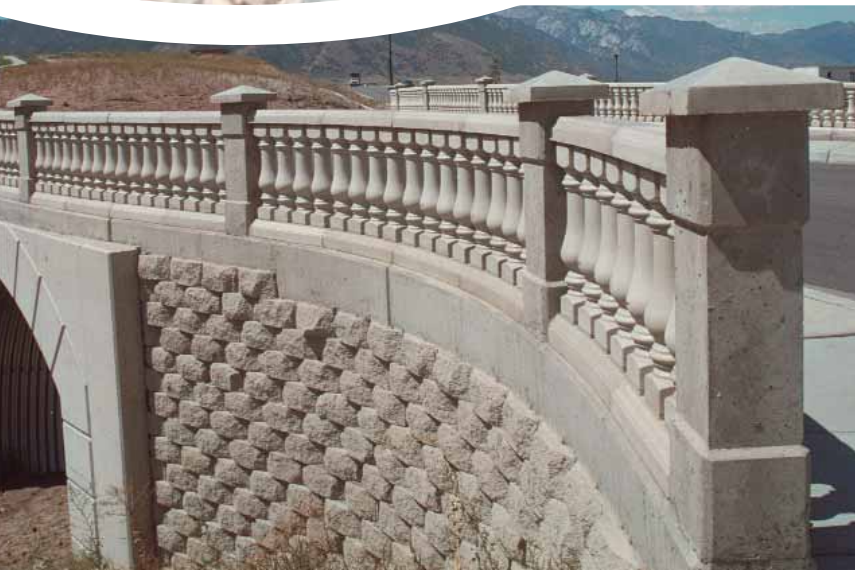
Applications

Keystone products coordinate easily with a variety of materials on bridge and culvert applications.



COPINGS & BARRIERS

Keystone walls support many types of coping options including concrete and Jersey barriers.



Details

SIGNAGE

Keystone provides a bold foundation for signage, communicating a feeling of quality and strength.



CORNERS

Several Keystone products can add to impressive wall designs with clean 90° corner details.



Details

CURVES

Keystone units are engineered to create beautiful, sweeping curves that blend with the landscape.



TERRACES



Details

*Keystone has provided successful solutions
for a wide variety of terrace projects.*



STEPS & STAIRS

From residential to commercial projects, Keystone provides aesthetically-pleasing step solutions.



Details

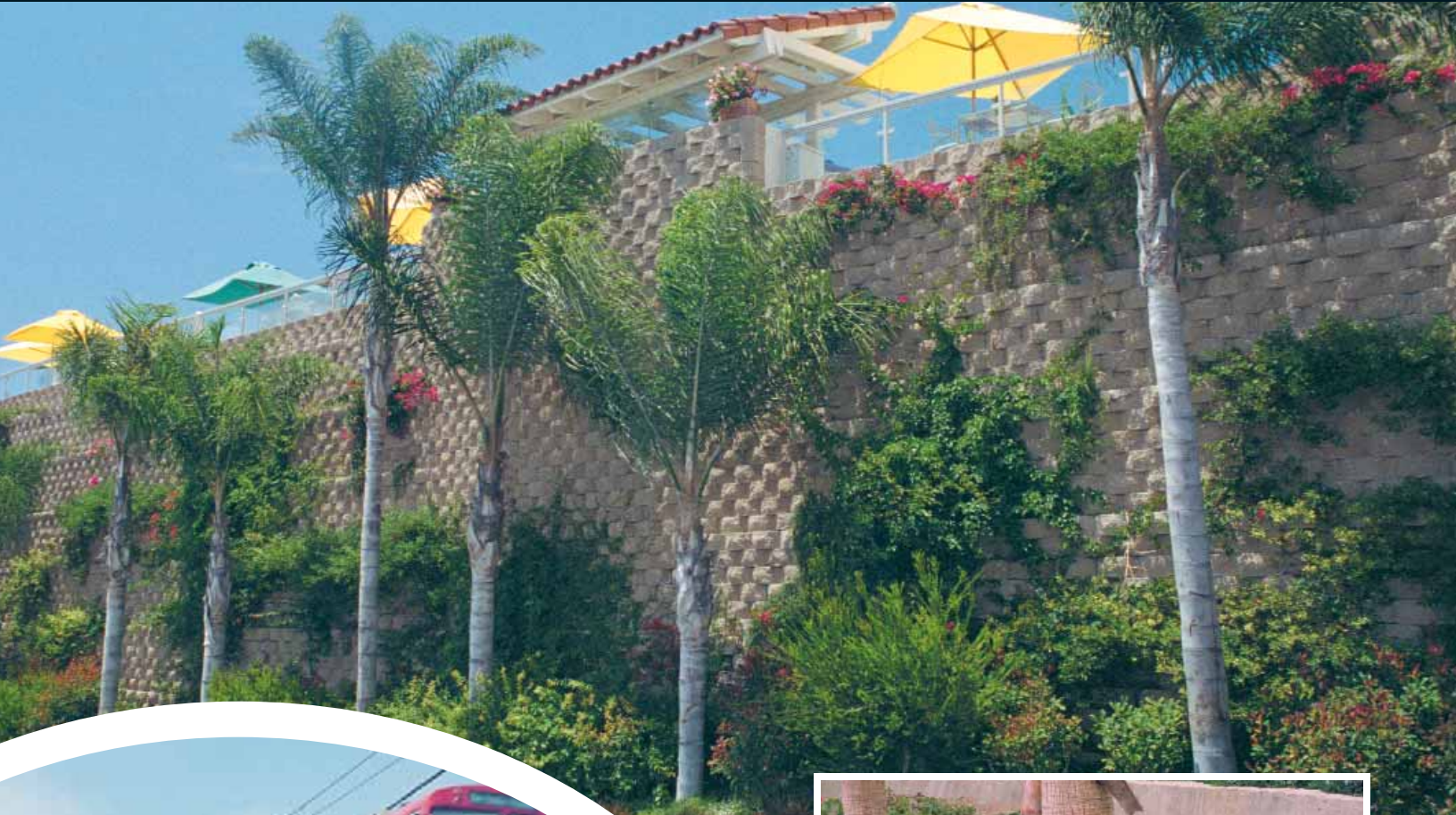
STRAIGHTFACE

Keystone's straightface products provide a classic, clean and smooth finish.



PLANTABLE WALLS

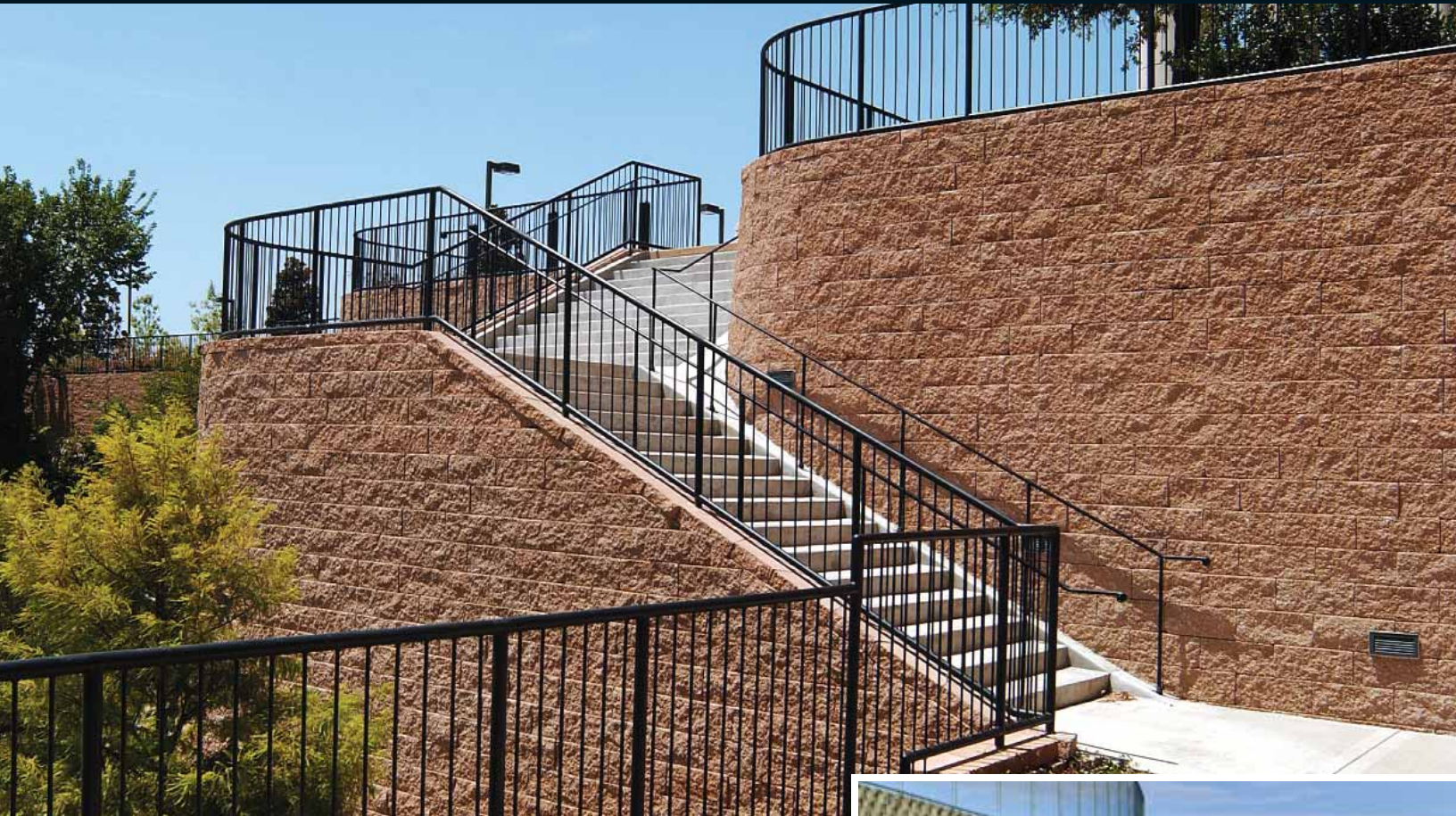
Keystone plantable units provide a creative option by bringing the greenscape into the wall itself.



Details

FENCES & RAILINGS

Keystone walls in combination with fences/railings provide an extra measure of safety.



PATTERNS & ACCENTS

A variety of Keystone product colors and textures give wall designers new creative options.



Details

KEYSTONE AT YOUR SERVICE!

Since introducing our first concrete segmental retaining wall products to the marketplace, Keystone has been a leader in site solutions and soil retention methods. Our focus is to provide customers with solutions to successfully complete their projects with our products. We not only offer superior products, but outstanding support services as well.

Additional Planning Resources

Keystone offers specific planning and design resources for our product line. The most extensive resource is the *Keystone Construction Manual*. This manual provides specifications and installation guidelines for the patented Keystone fiberglass pin system and several Keystone products. Other planning and construction resources include:

- **Keystone Country Manor Design and Construction Manual**- This piece offers detailed product information, specifications, design charts, installation tips and project ideas for Keystone Country Manor.
- **Keystone Century Wall: Timeless Beauty**- This twelve-page brochure includes Keystone Century Wall photographs, product line specifications, installation steps and design charts.

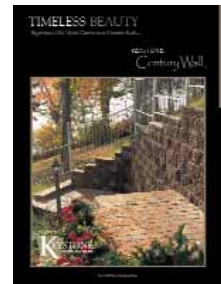
Additional Keystone Product Information

Keystone offers additional product information on all of the products featured in this publication. The *Keystone All Products Marketing Brochure* describes our complete product line, the Keystone patented fiberglass pin system and various applications. For fast access to product brochures, images, installation tips and more, visit us online at www.keystonewalls.com.

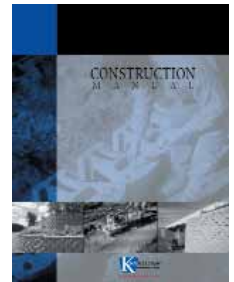
Keystone Online

The Keystone website, www.keystonewalls.com, is an interactive resource offering Keystone product information and marketing tools. This site is a one-stop source for all the Keystone information you need, with individual portals for designers, contractors, and homeowners. The website also offers information about our unique Keystone retaining wall design software.

For more information on specific Keystone products and services call 800-747-8971.



Keystone Century Wall Brochure



Keystone Construction Manual



Keystone Country Manor Design and Construction Manual



Keystone All Products Marketing Brochure



Keystone Website: www.keystonewalls.com/home



We reserve the right to improve our products and make changes in the specifications and design without notice. The information contained herein has been compiled by KEYSTONE and to the best of our knowledge, accurately represents the KEYSTONE product use in the applications which are illustrated. Final determination of the suitability for the use contemplated and its manner of use are the sole responsibility of the user.



Keystone is a subsidiary of



DISTRIBUTED BY