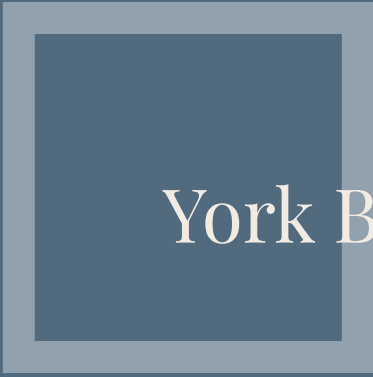


ARCHITECTURAL MASONRY Design Guide



COLORS | FINISHES | SHAPES | MORTARS | SPECS





York Building Products

Our Products

The beauty of carefully selected aggregates, combined with precision manufacturing, gives York Building Products' architectural masonry units a distinct advantage in both performance and appearance. Architects and designers can select from a broad range of finishes—from polished to coarse and everything in between—available in a wide spectrum of integral colors. Units are produced in multiple shapes and sizes, from standard brick dimensions to extended 32" lengths, offering exceptional design flexibility.

Our Design Philosophy

York Building Products has developed a comprehensive palette of architectural masonry units to provide architects, designers, and contractors with maximum creative freedom. Our colors, shapes, and textures reflect current and emerging trends in modern architecture while maintaining the timeless appeal of masonry. We continually expand our offerings to align with advancements in materials, design, and construction technology.

Our Distribution

York Building Products distributes our architectural masonry products through authorized dealer showrooms located primarily east of the Mississippi River. To locate your nearest dealer, please visit our website and select "Where to Buy."

We welcome the opportunity to support your next project and can provide product samples and design consultations upon request.

Contact us at sales@yorkbuilding.com or 800.673.2408. You can also visit yorkbuilding.com to download valuable specification information, Revit® files, view colors and finishes, and preview all of our products.

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Sustainability and Stewardship

PRODUCTION FACILITY CONSUMPTION

Our New Holland, PA production facility utilizes renewable and alternative energy sources, including a solar array and methane gas recovered from a nearby landfill, to help power daily operations and reduce dependency on conventional energy.

PRODUCTION WASTE AND REUSE

We are committed to minimizing waste by ensuring that rejected block from our production line is repurposed whenever possible. These materials are provided to local contractors for use in roadbeds, driveways, and other applications where virgin aggregate would otherwise be required.

OFFICE RECYCLING

York Building Products maintains active recycling programs across all office locations, including the collection of paper, metals, and toner cartridges, to reduce overall waste and promote responsible resource use.

DESIGN FOR THE ENVIRONMENT

Our manufacturing philosophy prioritizes material selection and production processes that minimize environmental impact while maintaining the high performance and durability expected of our products.

WORKPLACE HEALTH AND SAFETY

We recognize our responsibility to provide a safe and healthy work environment for all employees. York Building Products partners closely with OSHA and implements ongoing safety training programs as part of our company-wide culture of safety and awareness.

COMMUNITY ENGAGEMENT

As a locally rooted company, we are dedicated to supporting the communities in which we live and work. Through volunteer efforts, donations, and partnerships, our employees actively contribute time, resources, and expertise to strengthen our surrounding communities.

These initiatives reflect our long-term commitment to sustainability and corporate responsibility. We continue to seek innovative ways to improve our environmental performance and encourage our partners and industry peers to join us in building a more sustainable future.



Masonry Construction Advantages

AESTHETIC FLEXIBILITY

A broad selection of colors, surface textures, unit sizes, and shapes allows for extensive design versatility. With these options, architects can achieve a wide range of visual effects—from subtle and refined to bold and expressive.

Multiple colors, textures, and shapes may also be combined within a single project to create distinctive patterns and architectural interest.

MOISTURE PENETRATION

Integral Water Repellent (IWR) admixtures are incorporated throughout the concrete mix during manufacturing to enhance resistance to wind-driven rain and moisture intrusion. This integral protection minimizes water absorption and helps reduce the potential for efflorescence on exposed surfaces.



For optimal performance, the specified mortar should also include a compatible IWR admixture to ensure comprehensive moisture protection across the entire wall system.

THERMAL PERFORMANCE

Masonry walls possess high thermal mass, enabling them to absorb and store substantial amounts of heat during warm periods or when exposed to direct solar gain. Because of their mass and density, masonry assemblies release stored heat gradually, thereby reducing peak energy demands for heating. In cooling-dominated climates, this same property moderates indoor temperature fluctuations by delaying heat transfer into the building interior. The result is a more stable indoor environment and improved overall energy efficiency.

RESILIENCY

As the frequency of severe weather events and natural disasters increases, the need for durable, resilient building materials has become critical. Concrete masonry inherently provides superior resistance to fire, impact, and blast, enabling structures to withstand and recover from disruptive events more effectively than many alternative systems.

Its long service life and robust performance characteristics not only strengthen the resilience of the built environment but also contribute to the safety, health, and comfort of building occupants.





Project Inspiration...

retail

education

office

municipal

residential

STAND-OUT FROM THE STREETScape





CHIPOTLE MEXICAN GRILL | CAMP HILL, PA
Gemstone® in Graphite

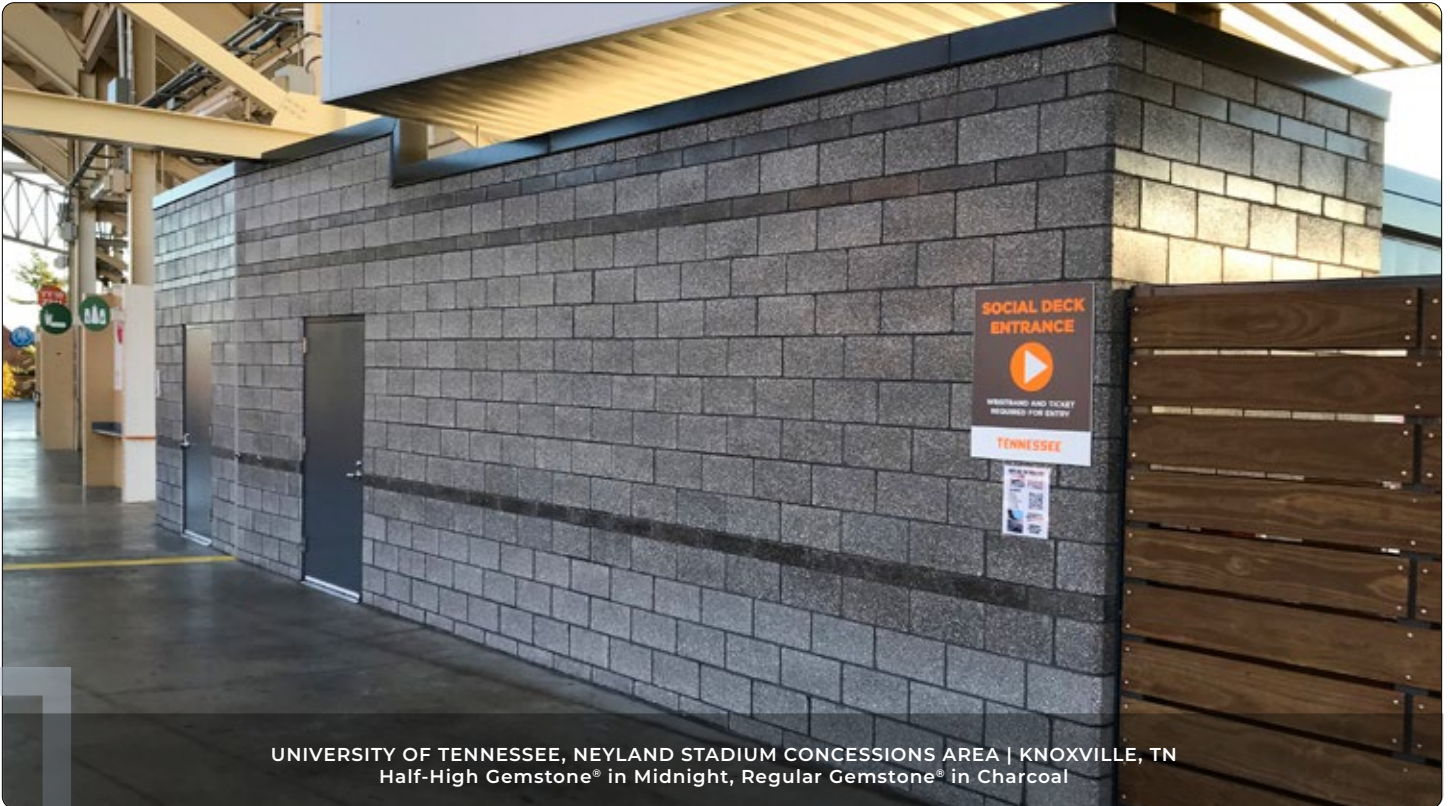


MCDONALD'S | BRICK, NJ
Split Face in Cream

PROVIDE SAFE HAVENS TO LEARN



EDUCATION



UNIVERSITY OF TENNESSEE, NEYLAND STADIUM CONCESSIONS AREA | KNOXVILLE, TN
Half-High Gemstone® in Midnight, Regular Gemstone® in Charcoal



JESSUP ELEMENTARY SCHOOL | JESSUP, MD
Half-High Gemstone® and Regular Split Face in Chamois

BOLD STATEMENTS REINFORCE YOUR BRAND





UGI HEADQUARTERS | BERN TWP, PA
Half-High Gemstone® in Mink



ACCESS CHESTER COMMUNITY CENTER | CHESTER, PA
Gemstone® in Mist, Slate, and Charcoal; Split Face in Mist

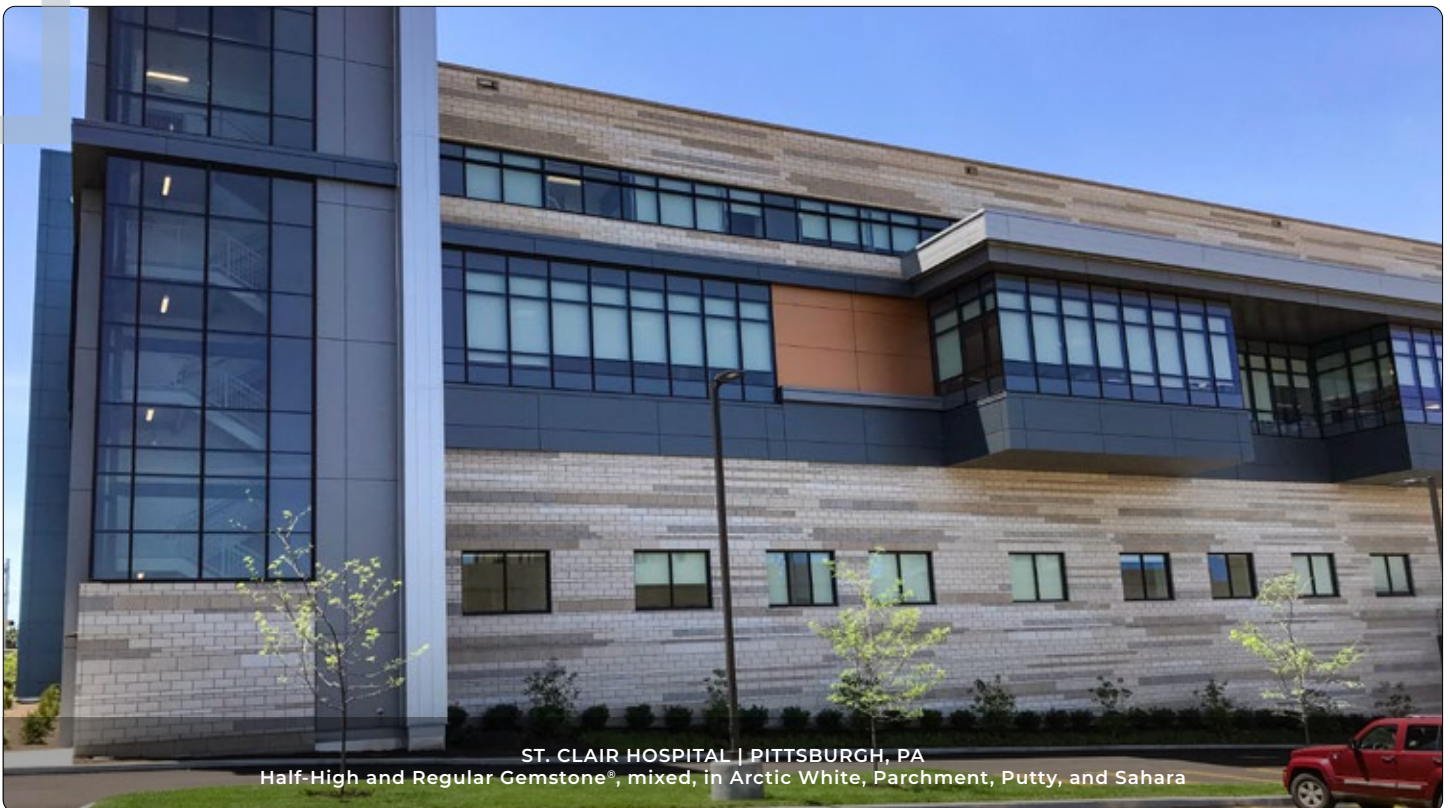
BLEND DURABILITY WITH DESIGN



MUNICIPAL

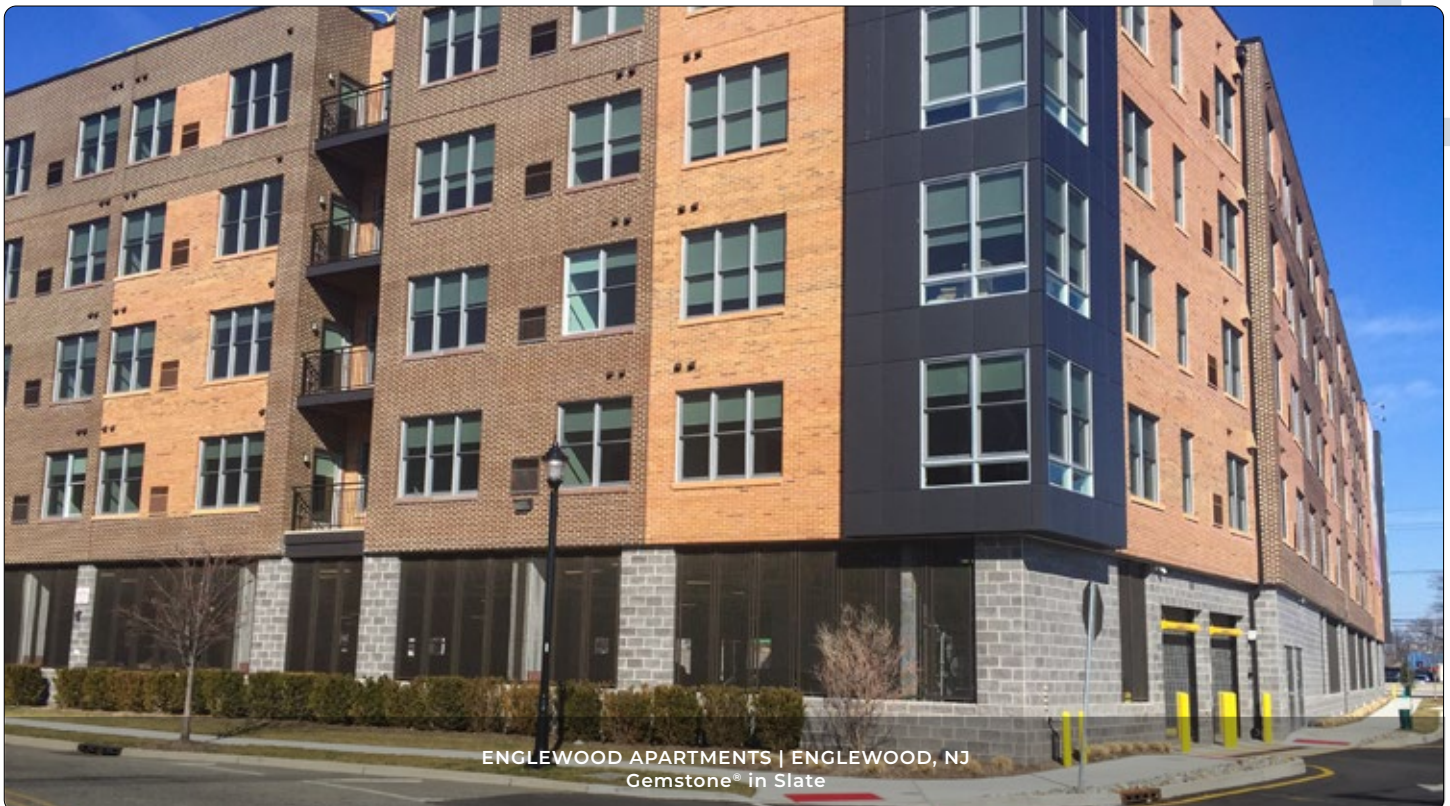


MEADOWRIDGE PROFESSIONAL CENTER | Elkridge, MD
Titan Series® in Parchment

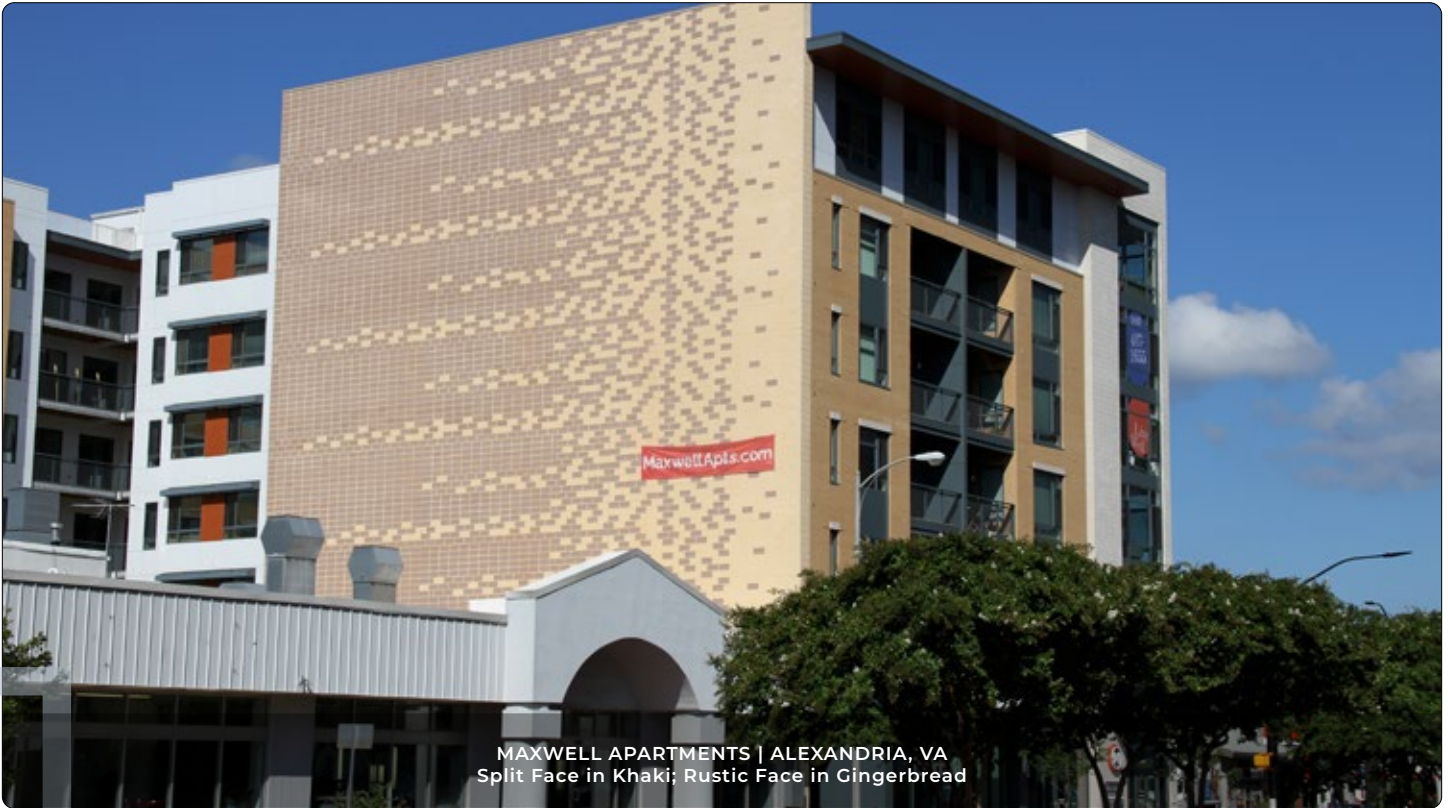


ST. CLAIR HOSPITAL | PITTSBURGH, PA
Half-High and Regular Gemstone®, mixed, in Arctic White, Parchment, Putty, and Sahara

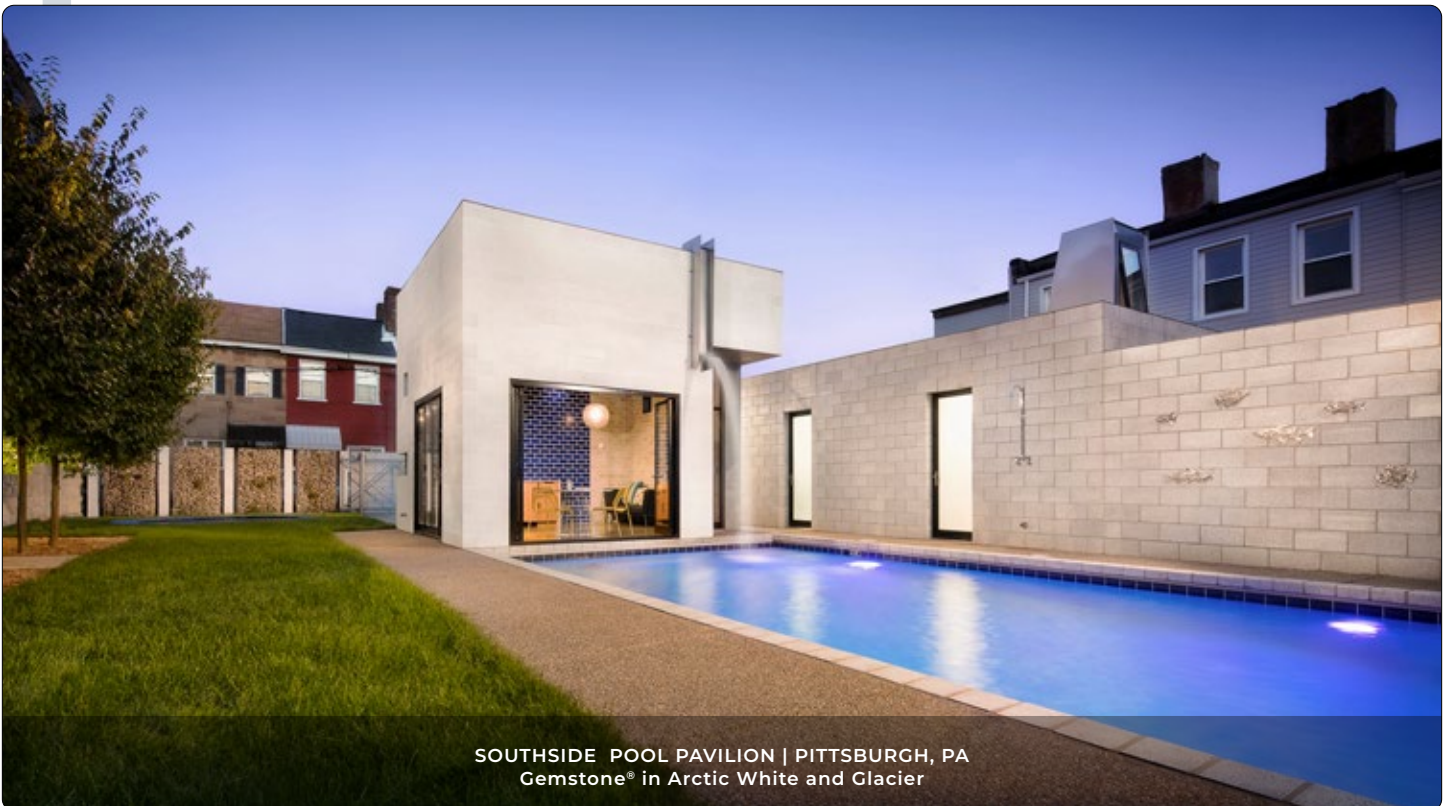
PROVIDE WARMTH FOR HEARTH & HOME



RESIDENTIAL



MAXWELL APARTMENTS | ALEXANDRIA, VA
Split Face in Khaki; Rustic Face in Gingerbread



SOUTHSIDE POOL PAVILION | PITTSBURGH, PA
Gemstone® in Arctic White and Glacier





Architectural CMU Textures and Colors



Our **WORKRITE®**
Cements division
provides mortar color
formulations in Types N
or S for all CMU colors.
For more information,
please visit us online at
workrite-cements.com.

Gemstone®

Rustic Face

Temple Stone®

Split Face



Gemstone®



With a milled finish that highlights the natural aggregates, Gemstone® ground face units combine durability and beauty. Their high thermal mass provides energy efficiency, while their mold and fire resistance ensures lasting performance. Available in both structural load-bearing and veneer options, Gemstone can be used for interiors or exteriors—whether for full wall applications or as an accent banding course to enrich design.



Please refer to our Specification Guide (page 49) to view available CMU shapes, sizes, and specification details.

MT. NITTANY HEALTH OUTPATIENT CENTER | STATE COLLEGE, PA
Gemstone, & Split Face in Arctic White, Parchment, & Putty

PREMIUM COLORS



STANDARD COLORS



QUICK-SHIP COLORS & SHAPES

* The six colors shown in bold are stocked in 4x8x16 solid, and 8x8x16 hollow stretchers. They are all ground to order for a faster turn-around time. Ends can be ground to make corners, and the 4" unit can be beveled for sill applications. Matching mortars in Type N and S are also stocked to provide a turn-key solution.

Due to the character of natural aggregates, some variation can be expected in color and texture. We recommend previewing a sample piece prior to specifying; and erecting a jobsite sample panel prior to construction, to more accurately show color and texture.



Rustic Face



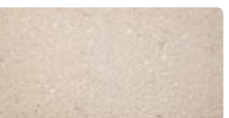
Rustic Face shotblasted units feature a subtly textured surface that imparts a natural, weathered aesthetic. The units' high thermal mass contributes to energy efficiency, while inherent mold and fire resistance ensure long-term durability. Available in both structural load-bearing and veneer configurations, Rustic Face units are particularly effective in interior applications where a softer, more refined texture is desired compared to traditional split face finishes.



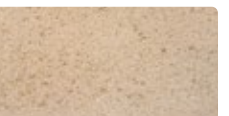
Please refer to our Specification Guide (page 49) to view available CMU shapes, sizes, and specification details.

CALVERT HIGH SCHOOL | PRINCE FREDERICK, MD
Rustic Face in Claret

PREMIUM COLORS

					
Adobe*	Arctic White*	Chamois	Cream*	Crimson	Graphite
					
Kodiak	Mink	Putty	Saddle	Sahara	Terracotta

STANDARD COLORS

					
Ash	Charcoal*	Cinnamon	Claret	Glacier	Khaki
					
Mist	Parchment	Sandstone*	Slate*	Tabasco	Walnut

QUICK-SHIP COLORS & SHAPES

* The six colors shown in bold are stocked in 4x8x16 solid, and 8x8x16 hollow stretchers. They are all blasted to-order for a faster turn-around time. Ends can be blasted to make corners, and the 4" unit can be beveled for sill applications. Matching mortars in Type N and S are also stocked to provide a turn-key solution.

Due to the character of natural aggregates, some variation can be expected in color and texture. We recommend previewing a sample piece prior to specifying; and erecting a jobsite sample panel prior to construction, to more accurately show color and texture.



Temple Stone[®]



Temple Stone[®] provides a contemporary interpretation of traditional Jerusalem Limestone, characterized by a refined yet timeworn aesthetic. Produced through a controlled process of splitting and grinding each masonry unit, this finish achieves a distinctive surface texture and visual depth. Temple Stone is well suited for educational, cultural, civic, and recreational facilities where a durable, architecturally significant appearance is desired.



Please refer to our Specification Guide (page 49) to view available CMU shapes, sizes, and specification details.

SEATING WALLS AT KANAWA PLAZA | RICHMOND, VA
Temple Stone in Adobe

AVAILABLE COLORS



Adobe



Arctic White



Charcoal



Cream



Sandstone



Slate

The six colors shown in bold are stocked in 4x8x16 solid, and 8x8x16 hollow stretchers. They are finished to-order for a faster turn-around time. Ends can be finished to make corners, and the 4" unit can be beveled for sill applications. Matching mortars in Type N and S are also stocked to provide a turn-key solution.



ABC KEYSTONE HEADQUARTERS | MT. JOY, PA
Temple Stone in Charcoal

Due to the character of natural aggregates, some variation can be expected in color and texture. We recommend previewing a sample piece prior to specifying; and erecting a jobsite sample panel prior to construction, to more accurately show color and texture.



Split Face



Split Face units represent the finish that established the architectural CMU aesthetic more than 60 years ago. Characterized by a rugged, irregular surface, each unit exhibits a unique texture that enhances visual depth and material authenticity. Highly versatile, Split Face masonry adds dimension and character to exterior applications.



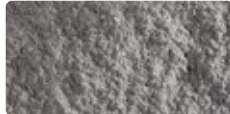
Please refer to our Specification Guide (page 49) to view available CMU shapes, sizes, and specification details.

CVS PHARMACY | HAVRE DE GRACE, MD
Split Face in Cream, and Claret

PREMIUM COLORS

					
Adobe*	Arctic White*	Chamois	Cream*	Crimson	Graphite
					
Kodiak	Mink	Putty	Saddle	Sahara	Terracotta

STANDARD COLORS

					
Ash	Charcoal*	Cinnamon	Claret	Glacier	Khaki
					
Mist	Parchment	Sandstone*	Slate*	Tabasco	Walnut

QUICK-SHIP COLORS & SHAPES

* The six colors shown in bold are stocked in 4", 8", & 12" solid stretchers, 8" universal corner, 8" & 12" open-bottom bond beams, and a 6" sill unit. They are all available for immediate delivery. The sill unit can be beveled for an additional charge--lead times apply. Matching mortars in Type N and S are also stocked to provide a turn-key solution.

Due to the character of natural aggregates, some variation can be expected in color and texture. We recommend previewing a sample piece prior to specifying; and erecting a jobsite sample panel prior to construction, to more accurately show color and texture.



DALY DINING HALL—RIDER UNIVERSITY | TRENTON, NJ
Titan Series® in Parchment; Gemstone Finish



Concrete Brick and Oversized Masonry Units

Master-Brik® Structural Brick

Titan Series® Oversized CMU



Our **WORKRITE®**
Cements division
provides mortar color
formulations in Types N
or S for all CMU colors.
For more information,
please visit us online at
workrite-cements.com.



Master-Brik®



Master-Brik single-wythe units combine the classic beauty of clay brick with the strength, durability, and design flexibility of modern concrete masonry.

Their single-wythe design streamlines installation, helping reduce construction time and labor costs. Every unit features a matte face texture with the rich, kiln-flashed appearance of traditional brickwork.

For veneer applications, a 4x4x16 solid unit is available, delivering the same flashed finish in a format designed specifically for veneer construction.

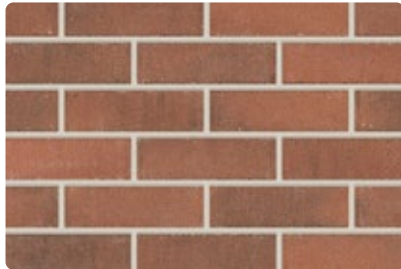


ADVANCE AUTO PARTS | PHOENIXVILLE, PA
Master-Brik® in Colonial Blend

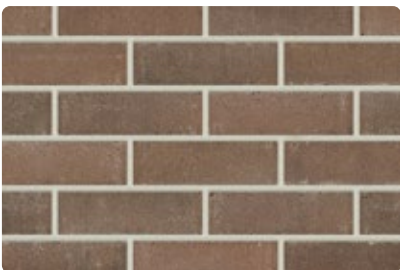
AVAILABLE COLORS



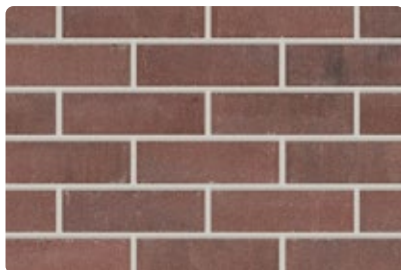
Chestnut Blend



Colonial Blend



Mocha Blend



Port Blend



SOUTH SIDE MARINA | PITTSBURGH, PA
Master-Brik in Chestnut Blend

Due to the character of natural aggregates, some variation can be expected in color and texture. We recommend previewing a sample piece prior to specifying; and erecting a jobsite sample panel prior to construction, to more accurately show color and texture.



Titan Series



Standard 8x16 CMU

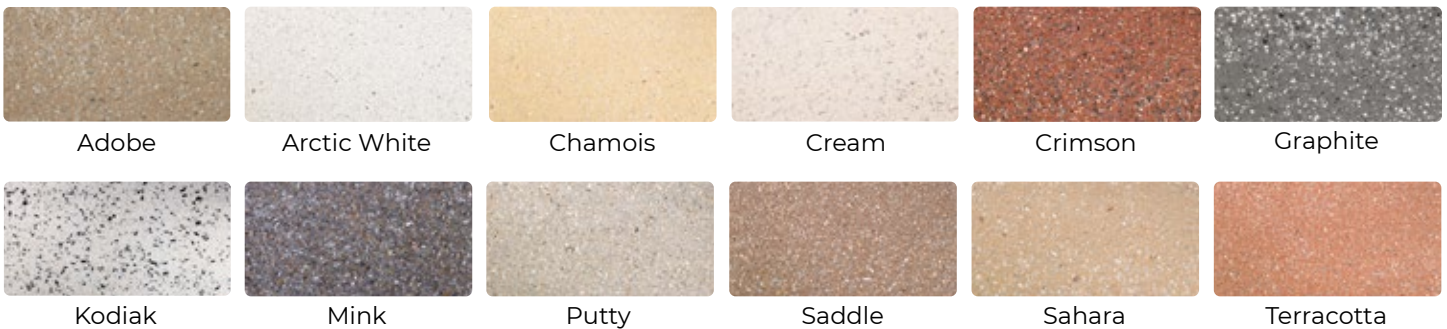
16x24 **Titan Series®** Unit

For projects that call for larger-scale masonry, we offer oversized Titan Series® veneer units. Designed for applications such as columns, piers, and bold accent details, these units provide a stout visual impact. Optional chamfers available at an additional cost.



PANERA BREAD | YORK, PA
Titan Series® in Parchment Gemstone Finish

PREMIUM COLORS



STANDARD COLORS



Titan Series units are available in our 24 standard and premium colors in Matte Face, Gemstone®, and Rustic Face finishes (shown above in Gemstone).

Due to the character of natural aggregates, some variation can be expected in color and texture. We recommend previewing a sample piece prior to specifying; and erecting a jobsite sample panel prior to construction, to more accurately show color and texture.



Special Application Units, Mortar, and Protective Coatings

Concrete Lintels

32" Double-Length Units

Cleanroom Units

Ballast Block

Insulated Units

Sound Control Masonry Units

Cements For Masonry

Protective Coatings



Concrete Lintels

With more than 60 years of manufacturing experience, we've developed a reputation for tight lintel tolerances. Our lintels are used by mason contractors throughout the eastern USA.

Available in a full range of sizes, our solid lintels are stocked in 4x8, 6x8, and 8x8 sizes, and in lengths from 2 feet to 12 feet.

Our U-shaped lintels have pre-molded notches to allow for vertical rebar, and are available in 6x8, 8x8, 10x8, and 12x8 up to 12-foot lengths.

Visit yorkbuilding.com to discover the range of available lintel sizes.



U-SHAPED LINTELS



SOLID LINTELS

U-LINTEL BENEFITS

LABOR SAVINGS – Simply set the U-Lintel in place, rebar, and grout, and continue laying the next course. No need to square up multiple wythes of bond beams.

TIME SAVINGS – Since one U-Lintel is placed in lieu of multiple bond beams, significant time can be saved.

FLEXIBILITY – Provides many variations in reinforcing within the U-Lintel, allowing for differently-sized rebar, depending on the project needs.

ELIMINATE STEEL LINTELS – Typical problems associated with structural steel lintels, such as lengthy fabrication lead times, corrosion, lack of fire resiliency, and differential movement at the supports, are eliminated by using concrete U-Lintels.



Thirty-Two™

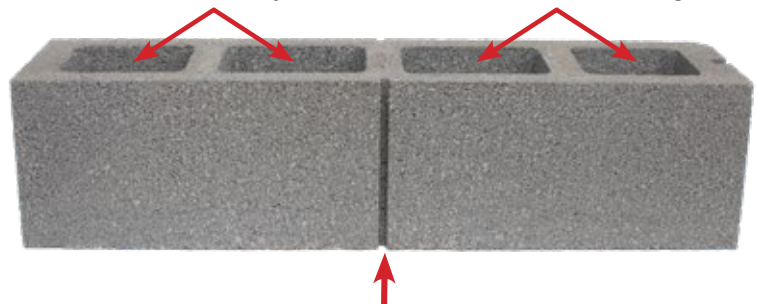
- Double-Length Units -

For large projects where scheduling is tight, our Thirty-Two™ unit is the perfect block for the job.

Essentially, it is a 32"-long block unit with a center score, providing the appearance of two 16"-long units. However, in laying the equivalent of two units at once, it significantly reduces production time on the wall. The larger the project, the more block-laying time savings.

The units are palletized with a mix of "double pier end" units, and "one sash/one pier end" units. All units have a 3/8" score centered on both faces.

Four Cores Easily Accommodate Rebar & Grouting



3/8" Score on Both Front & Rear Faces

TECHNICAL SPECIFICATIONS

UNIT SIZES:	8" x 8" x 32"	10" x 8" x 32"	12" x 8" x 32"
UNIT WEIGHT:	80 lbs	84 lbs	85 lbs
UNITS/PALLET:	36	30	24
WGT./PALLET:	2880 lbs	2520 lbs	2,040 lbs
SF/PALLET:	64	54	43



Clean-Coat™

- Cleanroom Masonry Units -

Manufactured with a special mix design to deliver a tighter face matrix, these units are ideal in cleanroom environments (for specialized industrial production or scientific research), where a less porous face texture is required.

It's also great for food processing plants, food preparation areas like commercial kitchens, as well as research labs, veterinary facilities and hospitals.

Units meet ASTM C 90 specifications and are available in common masonry shapes and sizes.



SEE THE FINISH DIFFERENCE:



TRADITIONAL
Masonry Unit



CLEAN-COAT™
Masonry Unit



Insulated Units

- *Pre-Installed Block Insulation* -

For projects where a higher R-value is desired, pre-insulated CMU deliver effective solutions for energy efficiency.

CMU WITH KORFIL® INSERTS

We insert insulation into the cores of CMU, so the units are delivered ready to lay. Available in 8", 10", and 12" bed depths.

HI-R® INSULATED BLOCK

A specially-designed CMU with smaller webs to reduce thermal bridging. It contains individually molded insulation inserts. Available in 8" and 12" bed depths.

Note: All units are available in standard concrete or architectural colors.



CMU With Korfil® Inserts
(Standard and U-Shaped Available)



Hi-R Insulated Block



Ballast Block

BALLAST BLOCK masonry units are manufactured with a special mix design to deliver freeze thaw durability for use as rooftop equipment (solar, etc) ballast and/or protection of roof membranes. When used for roof membrane protection, an aggregate bedding layer is placed between the unit and membrane.

Can be used as a walkway, perimeter ballast, or for full rooftop coverage.

Normal weight CMU density is approximately 135-143.6 lbs/sq. ft. Full technical submittal documents are available upon request. **Meets ASTM C1884.**

(See CMHA Tech Note PAV-TEC-014 – Segmental Concrete Paving Units for Roof Decks for more information.)

SIZING AND AVAILABILITY:

Units/Pallet:	108
Unit Weight (lbs):	37
Pallet Weight (lbs):	4,036

- Units are packaged on wood pallets. Smaller pallet quantities available for an additional fee.
- Inventoried in limited quantities. Please check with us for lead times on larger projects.



4x8x16 Unit



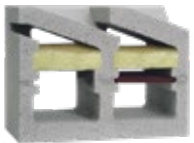
Sound Control Masonry Units

We manufacture several sound-control solutions for structural and load-bearing masonry units. Our units can be supplied as standard paintable gray units, or can be painted on-site.



SOUNDBLOX® Unit

SOUNDBLOX® delivers excellent sound absorption from a unique cavity-slot resonator construction. The funnel-shaped slots provide superior acoustical performance. Using a metal septum and fibrous filler in the cavity, this CMU provides higher sound absorption levels across a wider range of frequencies. (Units are available in Matte Face or Gemstone® finishes only.)



SOUNDCELL® Unit

SOUNDCELL® and **ACOUSTADE®** units feature a deeply-beveled face that captures and retains sound waves while adding visual texture to walls. Acoustade masonry units lack a horizontal baseline, whereas Soundcell units include one. This design allows Acoustade units to have continuous vertical lines and a reversible skew, giving architects the flexibility to choose the direction of the slanted surface.



ACOUSTADE® Unit

These units enhance sound quality and characteristics by offering effective diffusion through their innovative grid and impressed form. (Units are available exclusively with a Matte Face finish.)



Ivany Block[®]

- Engineered CMU -

Ivany block is a specially designed, reinforced concrete masonry unit system used for high-strength, structural wall construction, providing an alternative to cast-in-place concrete walls at a lower cost.

It features pre-slotted crosswebs and vertical cores that allow for easy placement and precise positioning of both horizontal and vertical rebar, which, after being filled with concrete grout, creates an engineered, reinforced wall with excellent structural integrity.

Ivany Block Features

- Single core - lighter than conventional block
- Standard modular dimensions
- Special webs to accommodate horizontal reinforcing steel
- Inner cell lip assures proper vertical reinforcing steel placement





WORKRITE®
CEMENTS FOR MASONRY
A DIVISION OF YORK BUILDING PRODUCTS

Cements for Masonry

WORKRITE® Colored Cements are carefully blended from cement, limestone, synthetic iron oxides, and other premium materials to create a wide spectrum of colors tailored to your project needs.

Formulated with precision, our cements ensure lasting colorfastness while consistently exceeding ASTM standards. Each batch is packaged in durable, multi-layered bags for maximum protection.

Our 60-color palette is available in Masonry Cement, Mortar Cement, Type O Tuckpoint, and Portland Cement & Lime blends.



ST. BRIDGIT BELL TOWER | RICHMOND, VA
Mortar Color Shown in Riverstone

WORKRITE® FAMILY OF PRODUCTS

	Masonry Cements	Mortar Cements	Tuckpoint Cements	PCL Blend Cements	Portland Type 1 Cement
PIGMENTED	 	 		 	
NON-PIGMENTED		 		 	

FORMULATIONS

- TYPE M*:** Our strongest mix, used where additional compressive strengths are required.
- TYPE S:** A common mix, can be used above or below grade.
- TYPE N:** For above-grade construction only, suitable for exterior brick or block veneers.
- TYPE O:** A special mix design formulated for tuckpoint needs such as historic restorations.

PACKAGING

Cement Product	Type M*	Type S	Type N	Type O	Type 1
Colored Masonry Cement	80 lbs. 36 kg	75 lbs. 34 kg	70 lbs. 32 kg		
Gray / Colored Mortar Cement	70 lbs. 32 kg	65 lbs. 29.5 kg	60 lbs. 27.2 kg		
Gray / Colored Tuckpoint Mortar				72 lbs. 32.7 kg	
Gray / Colored PCL	72 lbs. 32.7 kg	72 lbs. 32.7 kg	72 lbs. 32.7 kg		
Colored Portland Cement Type 1					94 lbs. 42.6 kg

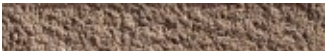
* Type M available by custom-order. Gray and colored Mortar Cements are formulated with Easy-Spred® admixture as a code-recognized lime replacement.

SAMPLES & CERTIFICATION

Sample bags for pre-construction test panels are available through your local masonry supply dealer or a Workrite® sales representative. To locate a dealer or download Mill Test Reports and Certification Letters, visit workrite-cements.com.

A free 60-color sample kit can be requested by emailing sales@workrite-cements.com or by calling 800.673.2408.

WORKRITE® COLORS

			
Chestnut	Blush	Bisque	Pebble
			
Raw Umber	Salzburg	Curry	Suede
			
Espresso	Terracotta	Patagonia	Mushroom
			
Appalachian	Amber	Sawgrass	Birch
			
Timber	Fallow	Sage	Riverstone
			
Cocoa	Taupe	Wheat	Sand
			
Port	Cinder	Olive	Champagne
			
Redwood	Marble	Buckskin	Almond
			
Mahogany	Prairie	Olde Colony	Arctic White
			
Mediterranean	Sawdust	Malt	Slate
			
Canyon	Driftwood	Ridge	Glacier
			
Autumn	Shell	Merino	Gravel
			
Burnt Sienna	Thistle	Grain	Pewter
			
Sunset	Morning Mist	Clay	Smoke
			
Mauve	Acorn	Canvas	Graphite

Due to the character of natural aggregates, some variation can be expected in color and texture. We recommend previewing a sample piece prior to specifying; and erecting a jobsite sample panel prior to construction, to more accurately show color and texture.



Protective Coatings

- For Concrete Masonry Units -

Constructing a masonry building is a significant and expensive undertaking. Safeguard your investment and preserve the building's aesthetic appeal for years to come with our specialized protective coatings.

These coatings were developed in collaboration with a US-based chemical company to meet specific customer needs while maintaining the original color and finish of our masonry units. They are designed

with environmental and human safety in mind, being eco-friendly and low in VOCs.

When specifying our masonry products, please be sure to specify the correct coatings by name to help ensure the longevity, integrity, and beauty of your structure.

GRAFFITI REMOVAL



WATER REPELLENT



Treated

Untreated

PROTECTIVE COATING PRODUCTS



GEMCOAT™

GEMCOAT™ is a liquid membrane water-resistant sealer made of a 100% acrylic polymer formulation which creates a full-gloss finish that protects and improves the appearance of architectural block. It enhances and deepens the beauty and color of the aggregates within the masonry unit. It is resistant to liquids, yet is vapor/air permeable. Without losing the gloss finish, it provides excellent protection from elements, such as water, alkalis, acids, airborne pollutants and ultraviolet light.



GEMCOAT-WB™

A water-resistant sealer similar to our standard GEMCOAT™ sealer, but uses a water-based formula versus solvent-based.

Due to its water-based formulation, there is virtually no odor, making it the perfect application for sensitive environments like schools, hospitals, and office buildings that may already be occupied.



GEMCOAT ZERO™

GEMCOAT ZERO™ water-resistant, ZERO VOC sealer represents an innovation for enhancing our premium architectural masonry units. It is a liquid membrane sealer made of a 100% acrylic polymer formulation that creates a full-gloss finish that protects and improves the appearance of architectural blocks..



GRAFFITI-CLEAN™

Whether your building is “tagged” by a graffiti artist or treated to innocent “artwork” by a student wielding crayons, you need fast results and a clean removal. GRAFFITI-CLEAN™ is an environmentally friendly cleaner that removes most paint, crayon, oil, permanent marker, varnish, glue, etc., from most CMU wall surfaces.



WATER-SHIELD™

WATER-SHIELD™ provides a long-term beading effect over a masonry surface, keeping moisture out of even the smallest pinholes. Apply WATER-SHIELD post-construction to give building envelopes (including mortar joints) additional moisture protection.

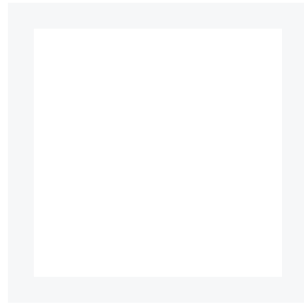


GEMCOAT MOLD-RESISTANT COATING ADDITIVE™

A coating additive for use with our GEMCOAT™ concrete sealers. When applied to concrete masonry units, this coating creates an anti-microbial film that will help inhibit the growth of bacteria, mold, and mildew on the coating. Solvent-and water-based versions are available.

Product Data Sheets and test reports for all coating products are available for download at yorkbuilding.com.





Specification Guides

Construction Details

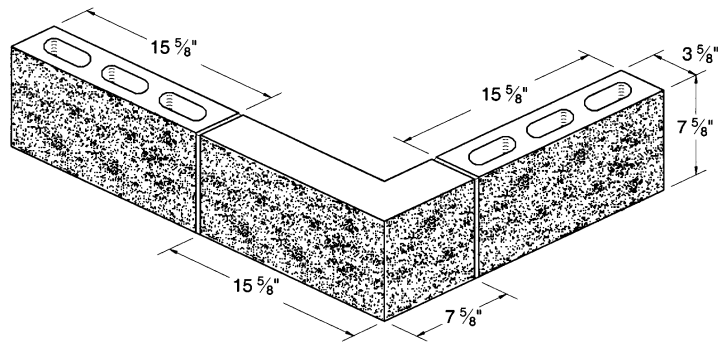
Masonry Specifications

Four-Step Specification Guide

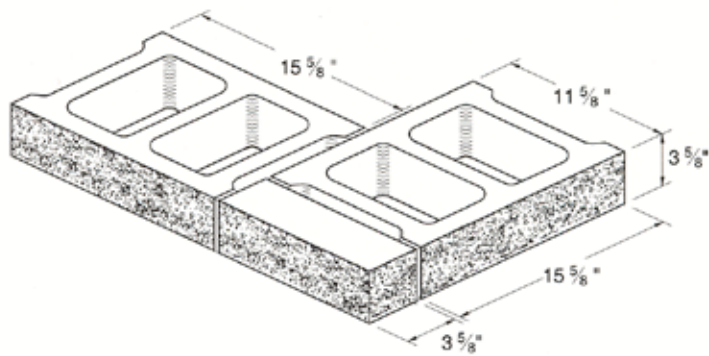
Design Assistance

CONSTRUCTION DETAILS

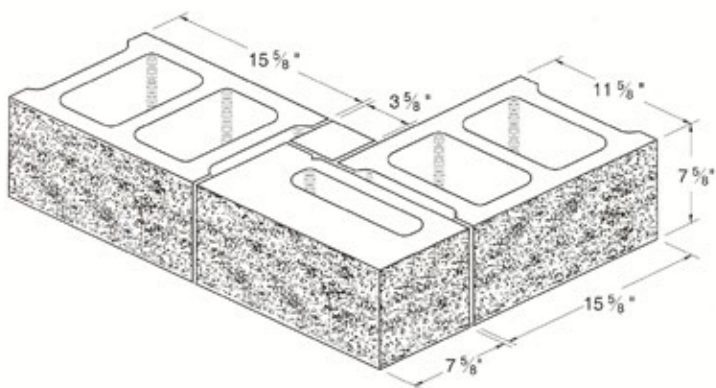
CORNER ASSEMBLY



8-Inch Corner Assembly
Using L-Corner Unit

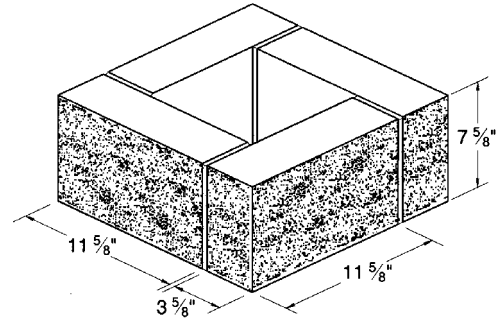


Corner Assembly
12-Inch Half-High, Using a 4x4x12 Solid Corner Unit

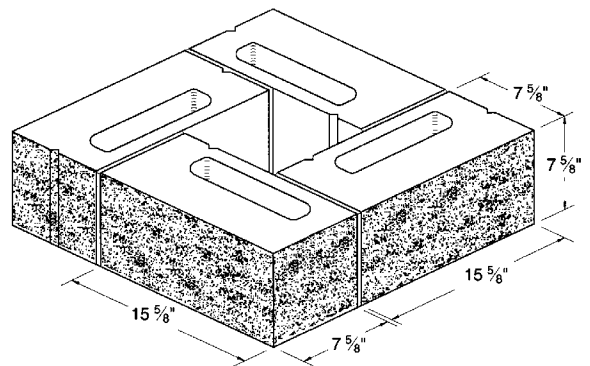


12-Inch Corner Assembly
Using 8x8x16 Universal Corner Unit

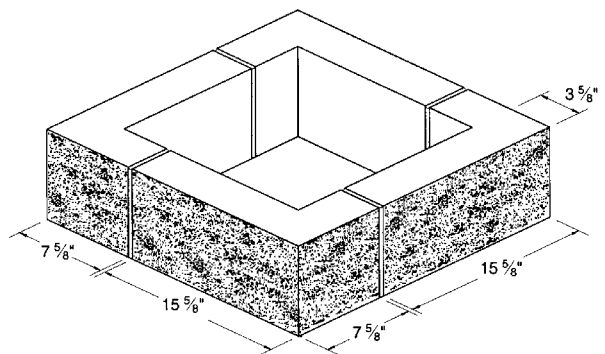
PIER/COLUMN ASSEMBLY



16x16 Pier Assembly
Using 4x8x12 Quoin Corners



24x24 Pier Assembly
Using 4x8x12 Quoin Corners



24x24 Pier Column Assembly
Using 8-Inch L-Corner units

MASONRY SPECIFICATIONS

PART 1—GENERAL

SUBMITTAL

Submit color samples for selection from the manufacturer's series. Submit product literature, certifications, test reports, and full-size sample(s) of each color specified.

QUALITY ASSURANCE

Certifications (Split Face, Rustic Face, Matte Face):

Concrete blocks for finishing shall conform to ASTM C90. The provisions of ASTM C90 apply with regard to appearance. All units contain an integral water repellent and CMU admixture at the time of manufacture.

Certifications (Ground Face Products: Gemstone®, Gemstone Plus®, Temple Stone®): Concrete blocks for finishing shall conform to ASTM C90. The provisions of ASTM C90 apply with regard to appearance.

All units contain an integral water repellent and CMU admixture at the time of manufacture. Field-applied Gemcoat™ sealer is recommended for all ground face projects.

Fire Resistance: Define hourly ratings required as 1, 2, 3, or 4 hours.

Field-Constructed Mock-Ups: Construct a sample panel, no less than 4' x 4', of units of each color & size to be used in the project.

DELIVERY, STORAGE AND HANDLING

Masonry units shall be delivered to the jobsite on covered banded pallets. Store pallets in single stacks on level ground and cover them with waterproof covering (e.g., tarpaulins) to protect the blocks from inclement weather. Handle blocks carefully to avoid breakage and damage to the finished surfaces.

PROJECT/SITE CONDITIONS

Protection of Work: Cover the tops of walls each day after installation to keep open walls protected and dry. After units are installed, they should be protected from staining or other damage by covering the bottom of the walls with plastic.

PART 2—PRODUCTS

PRODUCT NAME

Architectural Concrete Masonry Units (Note each finish spec'd)

MANUFACTURER

York Building Products | 950 Smile Way, York, PA 17404 | 800.673.2408

RELATED MATERIALS

Colored matching or contrasting mortar is available from WORKRITE®. Refer to Division 4 Masonry Section for mortar type and specifications. In all exterior mortar, use water-repellent mortar additive available from York Building Products and follow the manufacturer's instructions.

SIZES AND SHAPES

Nominal 2", 4", 6", 8", 10", and 12" standard block thicknesses are available, as well as all standard block shapes. High-strength units for special structural requirements are also available.

MASONRY CLEANERS

Use appropriate masonry cleaners for all finishes. Follow the manufacturer's instructions for proper mixing and application. Do not apply the cleaner with a pressure spray above 50 psi.

CAUTION! Never use muriatic acid solution on units.

PART 3—EXECUTION

INSTALLATION

Lay blocks from more than one pallet at a time during installation. Lay units using the best concrete masonry practices. Lay blocks with the faces level, plumb and true to the line strung horizontally at the face. Complete masonry construction using procedures and workmanship consistent with the best masonry practices.

Cutting: Make all unit cuts, including those for bonding, holes, boxes, etc., with motor-driven masonry saws using an abrasive blade. Cut neatly and locate for the best appearance.

Mortar Bedding and Jointing:

- Lay units with full mortar coverage on head and bed joints, taking care not to block cores to be grouted or filled with masonry insulation.
- Tool all mortar joints - when thumbprint hard - into a concave or v-joint.
- Care should be taken to remove mortar from the face of masonry units before it sets.

INSTALLATION RECOMMENDATIONS

- A complementary or matching mortar color is recommended when using colored architectural units.
- Always test a small, inconspicuous area before using cleaners. Do not use acids or abrasives on finished surfaces.

FLASHING OF MASONRY WORK

Install flashing at locations shown in the plans and in strict accordance with the details and the best masonry flashing practices. See CMHA Tek 19-5A.

WEEPS AND VENTS

Install weep holes and vents at proper intervals (32" O.C. above bed joints, typical) at courses above grade, above flashing, and at any water stops over windows, doors, and beams. See CMHA Tek 19-5.

INSPECTION

The textured or ground faces shall be free from chips, cracks, or any other imperfection that would detract from the overall appearance of the finished wall when viewed from a distance of twenty (20) feet at right angles to the wall with normal lighting.

CLEANING

Keep walls clean daily during installation using brushes. Do not allow excess mortar lumps or smears to harden on the finished surfaces. Harsh cleaning methods after walls have been erected may mar the block surface. To ensure proper appearance for your projects, please add the following comment to your documents where Gemstone®, Gemstone Plus® and Temple Stone® products have been specified: "Gemcoat™ ground face masonry sealer must be applied after final wash down of masonry walls."

FINAL CLEANDOWN

Clean the completed walls with masonry cleaner APPROPRIATE FOR THE FINISH, strictly following the manufacturer's instructions, including thorough rinsing. Do not use acid or abrasives on the finished surfaces. Failure to strictly follow manufacturer's instructions can permanently damage finished faces.

MAINTENANCE

Properly installed and cleaned architectural masonry units need virtually no maintenance other than routine cleaning with standard commercial-grade cleaning agents.

FOUR-STEP SPECIFICATION GUIDE

Use our simple “Product Specification Codes” when specifying our masonry products. By using these codes, performing take-offs and product ordering by masons is more accurate.

Our **Product Specification Code** system is based upon four elements:

1. Product Color
2. Base Code (the basic unit designation, incorporating the unit size and shape)
3. Edge Code (for bullnose or chamfer edges, if desired)
4. Attribute Code (for details like insulation, scores, finished ends, etc.)

By adding these elements together, you produce the final Product Specification Code to use in your specification documents. Following is an example Product Specification Code with all digits complete for an 8x8x16 Gemstone Plus® unit in Chamois with finished face and right end, Korfil insulation, and chamfered edge:

Chamois – 8816H – GSP – C1 – FE-R-X-2-X

PRODUCT COLOR (Select from product pages)	BASE CODE (Supplied on pages 53-55)	EDGE CODE (Supplied on page 56)	ATTRIBUTE CODE (Supplied on page 57)
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STEP 1: CHOOSE PRODUCT COLOR

Chamois – 8816H – GSP – C1 – FE-R-X-2-X

PRODUCT COLOR
(Select from
product pages)

Select the Product Color for the finishes you desire. Choose any product color(s) to start your Product Specification Code.

Color swatches are available on each product finish page in the front of this catalog. In addition, you can request a sample kit to see actual color samples.



FOUR-STEP SPECIFICATION GUIDE

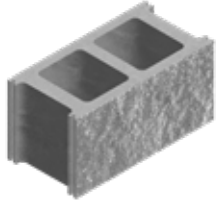
STEP 2: ADD THE UNIT “BASE CODE”

Chamois – **8816H – GSP** – C1 – FE – R – X – 2 – X

PRODUCT COLOR **BASE CODE**
(Supplied on pages 53-55)

Each CMU is assigned a simple Base Code. Use this code directly after the Product Color (separated with a dash).

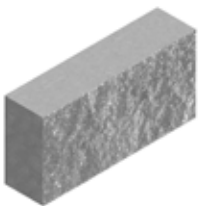
Hollow Stretcher



Base Codes By Finish

Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
4x8x16	4816H-GSP	4816H-GMS	4816H-SMF	4816H-TPS	4816H-RSF	4816H-SPF
6x8x16	6816H-GSP	6816H-GMS	6816H-SMF	6816H-TPS	6816H-RSF	6816H-SPF
8x8x16	8816H-GSP	8816H-GMS	8816H-SMS	8816H-TPS	8816H-RSF	8816H-SPF
10x8x16	10816H-GSP	10816H-GMS	10816H-SMF	10816H-TPS	10816H-RSF	10816H-SPF
12x8x16	12816H-GSP	12816H-GMS	12816H-GMS	12816H-TPS	12816H-RSF	12816H-SPF

Solid Stretcher



Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
2x8x16	2816S-GSP	2816S-GMS	2816S-SMF	2816S-TPS	2816S-RSF	2816S-SPF
4x8x16	4816S-GSP	4816S-GMS	4816S-SMF	4816S-TPS	4816S-RSF	4816S-SPF
6x8x16	6816S-GSP	6816S-GMS	6816S-SMF	6816S-TPS	6816S-RSF	6816S-SPF
8x8x16	8816S-GSP	8816S-GMS	8816S-SMF	8816S-TPS	8816S-RSF	8816S-SPF
10x8x16	10816S-GSP	10816S-GMS	10816S-SMF	10816S-TPS	10816S-RSF	1016S-SPF
12x8x16	12816S-GSP	12816S-GMS	12816S-SMF	12816S-TPS	12816S-RSF	N/A

L-Corner



Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
4x8x16				4816L-TPS		4816L-SPF

Universal Corner

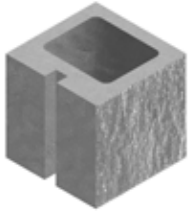


Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
8x8x16	8816H-GSP	8816H-GMS	8816H-SMF	8816H-TPS	8816H-RSF	8816H-SPF-FE

*Note: Use this single unit for **any** bed depth split face corners. Can be easily converted into a 4x8x16 L-Corner on the job site.*

FOUR-STEP SPECIFICATION GUIDE

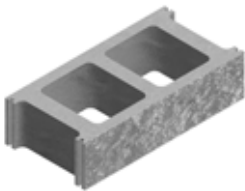
Half Block



Base Codes By Finish

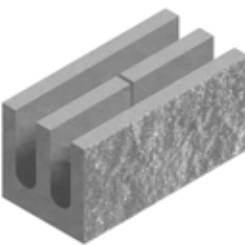
Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
4x8x8	488S-GSP	488S-GMS	488S-SMF	488S-TPS	488S-RSF	488S-SPF
6x8x8	688H-GSP	688H-GMS	688H-SMF	688H-TPS	688H-RSF	688H-SPF
8x8x8	888H-GSP	888H-GMS	888H-SMF	888H-TPS	888H-RSF	888H-SPF
10x8x8	1088H-GSP	1088H-GMS	1088H-SMF	1088H-TPS	1088H-RSF	1088H-SPF
12x8x8	1288H-GSP	1288H-GMS	1288H-SMF	1288H-TPS	1288H-RSF	1288H-SPF

Half-High



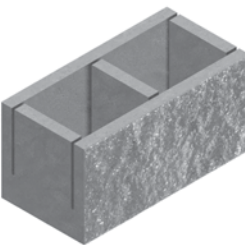
Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
4x4x16	4416S-GSP	4416S-GMS	4416S-SMF	N/A	4416S-RSF	4416S-SPF
6x4x16	6416S-GSP	6416S-GMS	6416S-SMF	N/A	6416S-RSF	6416S-SPF
8x4x16	8416S-GSP	8416S-GMS	8416S-SMF	N/A	8416S-RSF	8416S-SPF
12x4x16	12416S-GSP	12416S-GMS	12416S-SMF	N/A	12416S-RSF	12416S-SPF

Closed-Bottom Bond Beam



Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
6x8x16	6816CB-GSP	6816CB-GMS	6816CB-SMF	6816CB-TPS	6816CB-RSF	6816CB-SPF
8x8x16	8816CB-GSP	8816CB-GMS	8816CB-SMF	8816CB-TPS	8816CB-RSF	8816CB-SPF
10x8x16	10816CB-GSP	10816CB-GMS	10816CB-SMF	10816CB-TPS	10816CB-RSF	10816CB-SPF
12x8x16	12816CB-GSP	12816CB-GMS	12816CB-SMF	12816CB-TPS	12816CB-RSF	12816CB-SPF

Open-Bottom Bond Beam



Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
6x8x16	6816OB-GSP	6816OB-GMS	6816OB-SMF	6816OB-TPS	6816OB-RSF	6816OB-SPF
8x8x16	8816OB-GSP	8816OB-GMS	8816OB-SMF	8816OB-TPS	8816OB-RSF	8816OB-SPF
10x8x16	10816OB-GSP	10816OB-GMS	10816OB-SMF	10816OB-TPS	10816OB-RSF	10816OB-SPF
12x8x16	12816OB-GSP	12816OB-GMS	12816OB-SMF	12816OB-TPS	12816OB-RSF	12816OB-SPF

Note: The charts in this specification guide show our most commonly-used shapes and sizes. Please consult your York Building Products representative with any additional shape or size needs.

FOUR-STEP SPECIFICATION GUIDE

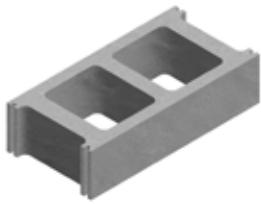
Hi-R®
Insulated Unit



Base Codes By Finish

Nom. Size	Gemstone Plus	Gemstone	Matte Face	Temple Stone	Rustic Face	Split Face
8x8x16	88DCH-KHR-GSP	88DCH-KHR-GMS	88DCH-KHR-SMF	88DCH-KHR-TPS	88DCH-KHR-RSF	88DCH-KHR-SPF
12x8x16	B8DCH-KHR-GSP	B8DCH-KHR-GMS	B8DCH-KHR-SMF	B8DCH-KHR-TPS	B8DCH-KHR-RSF	B8DCH-KHR-SPF

Master-Brik®



Nom. Size	Matte Face
4x4x16 (solid)	MB4 (color)
6x4x16 (hollow)	MB6 (color)
8x4x16 (hollow)	MB8 (color)
8" Corner (hollow)	MB8C (color)
12x4x16 (hollow)	MBB (color)

Titan Series®



Nom. Size	Gemstone Plus	Gemstone	Matte Face	Rustic Face
4x4x24	4424TS-GSP	4424TS-GMS	4424TS-SMF	4424TS-RSF
4x8x24	4824TS-GSP	4824TS-GMS	4824TS-SMF	4824TS-RSF
4x12x12	41212TS-GSP	41212TS-GMS	41212TS-SMF	41212TS-RSF
4x12x24	41224TS-GSP	41224TS-GMS	41224TS-SMF	41224TS-RSF
4x16x16	41616TS-GSP	41616TS-GMS	41616TS-SMF	41616TS-RSF
4x16x24	41624TS-GSP	41624TS-GMS	41624TS-SMF	41624TS-RSF

Sound Control Units



For assistance in selecting the right sound control unit for your project, contact a York Building Products representative at 800.673.2408. Each style is engineered to address distinct noise abatement requirements.

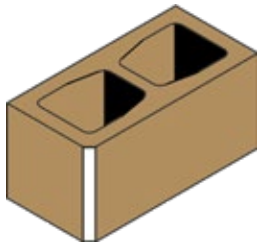
FOUR-STEP SPECIFICATION GUIDE

STEP 3: ADD THE UNIT "EDGE CODE"

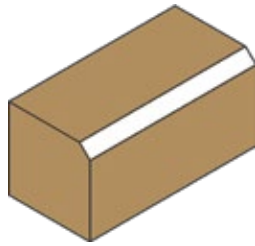
Select a code for various bullnose or chamfered edges. Use this code directly after the Base Code (separated with a dash). **If you are not choosing an edge for your units, simply mark an "X" in this code area.**

Chamois – 8816H – GSP – **C1** – FE-R-X-2-X

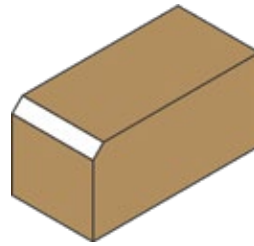
PRODUCT COLOR BASE CODE **EDGE CODE**
(Supplied Below) ATTRIBUTE CODE



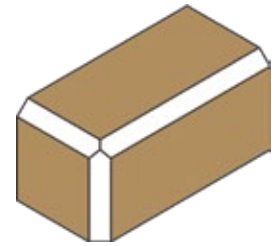
B1 (Bullnose)
C1 (Chamfer)



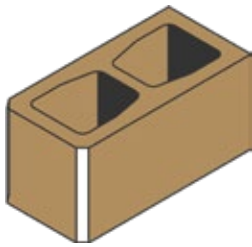
B2 (Bullnose)
C2 (Chamfer)



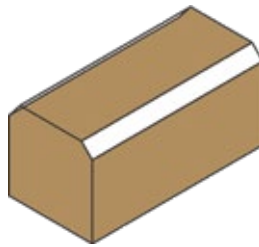
B3 (Bullnose)
C3 (Chamfer)



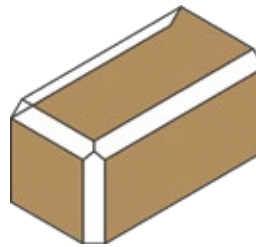
B4 (Bullnose)
C4 (Chamfer)



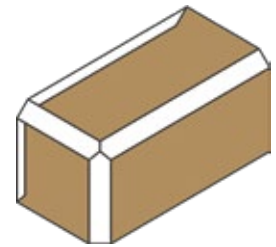
B5 (Bullnose)
C5 (Chamfer)



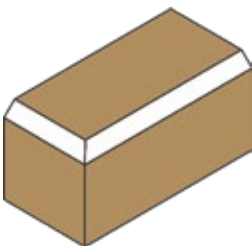
B6 (Bullnose)
C6 (Chamfer)



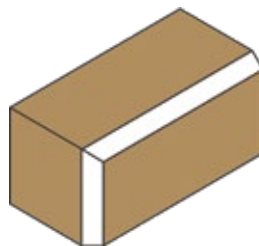
B7 (Bullnose)
C7 (Chamfer)



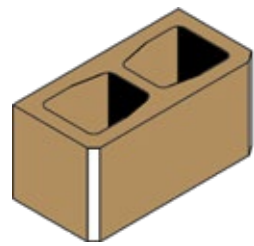
B8 (Bullnose)
C8 (Chamfer)



B9 (Bullnose)
C9 (Chamfer)



B10 (Bullnose)
C10 (Chamfer)



B11 (Bullnose)
C11 (Chamfer)

EDGE NOTES:
Standard bullnose: 1" radius.
Standard chamfer: 1" x 1".

(For custom bullnose/chamfer, see a YBP representative.)

FOUR-STEP SPECIFICATION GUIDE

STEP 4: ADD THE “ATTRIBUTE CODE” DIGITS

Complete your Product Specification Code by adding the following Attribute Codes. **If you don't need any of these additional elements, simply place an “X” in its place** to complete the final Product Specification Code (see below).

Chamois	–	8816H	–	GSP	–	C1	–	FE-R-X-2
PRODUCT COLOR		BASE CODE		EDGE CODE				ATTRIBUTE CODE (Supplied Below)

1. SELECT UNIT FINISH TREATMENT

F = Finished face
2F = 2x finished faces
E = Finished end
2E = 2x finished ends

T = Finished top
B = Finished bottom
X = None

<INSERT DASH>

2. SELECT RETURN UNIT

R = Right hand
L = Left hand
X = None

<INSERT DASH>

3. SELECT SCORE DETAILS

V = Vertical
V2 = 2x vertical scores
H = Horizontal
H2 = 2x horizontal scores
X = None

<INSERT DASH>

4. SELECT INSULATION ATTRIBUTES

1 = ICON
2 = Korfil U
3 = Hi-R
X = None

Note: All units manufactured to normal weight density. Contact your YBP representative to specify another density classification.



Design Assistance

- Lean On Us -

From the planning phase to final acceptance, we can help. We have experienced consultants ready to assist you in properly detailing and specifying our concrete masonry products.

Remember, the earlier you contact us, the more help we can offer. Involve us at the beginning of your project so you can achieve a more efficient specifying process and a higher-quality result.

SAMPLE COLOR KITS

To assist with your color and finish specification. Please contact our architectural sales representatives at 800.673.2408 or email sales@yorkbuilding.com.



DESIGN ASSISTANCE

Visit Our Website:

The "Resources" tab on our website contains a wealth of documentation to aid in your design efforts:

- Product Specifications
- Brochures and Cutsheets
- Revit Files and CAD Details
- Product Data Sheets
- Project Case Studies and Project Galleries

BIM Objects – Revit® Design Files:

We provide Autodesk Revit® design files for our common unit shapes and sizes, including the family of finishes and colors by shape. They are free to download from our website or through BIMObject.com.

MasonryIQ™

Masonry iQ is a Revit plug-in module that enables the design of the wall elevation, choosing from manufacturers' palettes of colors, textures, and sizes. Our masonry colors and textures are fully-loaded into this plug-in, ready for quick specification.

CMHA Tech Notes:

The Concrete Masonry & Hardscapes Association (CMHA) publishes a series of technical bulletins related to current topics on masonry construction, design, materials, and evaluations.

CMHA e-Details:

CMHA publishes over 220 technical details covering concrete masonry construction using Annotated Design and Construction Details for Concrete Masonry. This can help reduce design/detailing time on your CMU projects. Both Tech Notes and e-Details programs are accessible for free via our website.

Block Design Collective (BDC):



The BDC is a service of the Concrete Masonry Checkoff that provides free design assistance, technical expertise, and resources to architects, engineers, and builders for concrete masonry projects.

beautyofblock.com/project-support/

AIA CONTINUING EDUCATION

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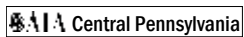
The following AIA/CES courses are available. For more course detail, please visit our website.

- Architectural Enhancements: Aesthetic Options for Concrete Masonry
- Concrete Masonry Overview: Products, Applications, Design and Construction Considerations
- BIM-Model-Driven Construction and Design for Masonry
- Acoustical Masonry Systems
- Crack Control in Concrete Masonry Walls
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