

Create with Concrete Masonry

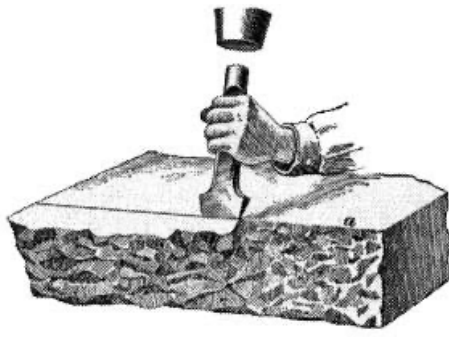
The following pages illustrate the flexibility architects and engineers have when designing with concrete masonry by showing examples of buildings using various colors, shapes and textures. To understand the capabilities of the Concrete Masonry Industry, think of us as molding and machining high performance concrete, that can look like appear like conventional block or any of the traditional clay or masonry materials. Automation, 21st century material science and regional availability create short leadtimes, cost effectiveness and consistently reliable properties for engineers.

Sometimes we mold cores into the concrete to make the high strength structural gray block used in these 50 foot high engineered walls at Movie Tavern Theaters.



Other times we'll blend colorful sands and pigments, mold them into unique shapes and then saw, weather, split or polish a texture onto the surface. Tsha'hon'nonyen'dakhwa', the Onondaga Nation's Arena. The concrete masonry walls tell the story of the Haudenosaunee, the union of 5 nations, the Seneca, Cayuga, Onondaga, Oneida, and Mohawk.





Many historic structures in New York State are built of pitched stone. To pitch stone, masons took chisels and dressed the edges. With today's labor cost this is rarely done. Instead concrete masonry producers send concrete masonry that looks like natural stone through high speed machines that pitch about $\frac{3}{4}$ " off the top, bottom, and side edges to give a random rough appearance. Each unit is uniquely different. At Barnes & Cone we call this Artisan Roc^{BC}.

This home used our Saranac Artisan Roc^{BC}, in a Split Ashlar Veneer.

Pitching the edges of the masonry unit, dramatically increasing the texture of the entire wall.



Close to the color of buff Indiana Limestone, this 24" long Clearwater Artisan Roc^{BC} Split Face looks like a natural stone base to most Tim Horton customers. The building owner appreciated that it was just a fraction of the cost of natural architectural stone.



For a more contemporary appearance- Shadow Artisan Roc^{BC} in a Split Face Ashlar Veneer:



An urban wall dressed up with 8" high x 16" long Outerbanks Artisan Roc™ Split Face veneer. This wall would appear flat and much less interesting if normal Split Face was used.



We call our sand weathered finish “Decro Face”. Here’s a clean simple single wythe wall combining two structural sizes and colors. 4” high x 16” long and 8” high x 16” long:



. . . . this architect had us produce a specific percentage of each color and size and then combine the various colors on the same pallet in our factory. The architect then asked that the mason randomly pull the cmu off the pallets and lay them. Intentionally random?



When you design with concrete masonry you can achieve much more with a limited budget. Masons and block producers will work together to provide you cost estimates for your budget.



The sand weathered texture of Decro Face can wrap around almost any geometry.

Round, rectangular, chamfers-there are few limitations. Here are round structural masonry columns.



Elaborate Sill details:



Simple inexpensive details such as single scores in a quarter bond with the scores tooled in. . . .
take on an upscale appearance in sand weathered Decro Face.



When Split Face and Decro Face are used together they enhance each other.
As do the different sizes-16" high x 24" long with 4" high x 24" long.



Freedom of design- no differential movement concerns when Spec-Brik are laid together with Split Face.

8 x 8 x 16 Split Face Beamish, 12 x 8 x 16 Split Face Thunder Road and 8 x 4 x 16 Spec-Brik Birmingham Blend:



The traditional appearance of brick can be achieved inside and out using a single structural wythe of Spec-Brik.





Walmart's Neighborhood Markets

Spec-Brik was the basis of this high performing building envelope that's economical inside & out



Three colors

Two depths

A Spec-Brik wall that defines the interior space of this high school.



Architects can select colors for concrete masonry manufacturers to blend.
Here is an example of two subtle colors blended into a Split Face texture.



The design carried right through the center of the interior space.



The smooth texture of Ground Face cmu compliments the rough texture of Split Face.
This wall would have looked plain if all Ground face or all Split face was used:



The smooth reflective surfaces of Ground Face block make attractive, low maintenance interior walls:





Concrete Masonry makes it easy to design interesting patterns of color and texture. There are no special connections to detail, just indicate on the plans where the masons install each type cmu. Here you see alternate courses of Beamish Artisan Roc^{BC} Split Face, and Beamish Ground Face transitioning into Stoney Shore Ground Face.



The weathered texture of Decro Face Watertables can colorfully compliment traditional clay.



Selected sands that simulate natural limestone make an attractive wall base and rounded watertables for clay.

Let us help by providing specification language and details for differential movement between clay and concrete:



wesleyan Chapel is the site of the nation's first women's rights convention in 1848. When the National Park Service acquired the Wesleyan Chapel in 1985 the building was being used as a laundry and apartment building. Over time, exposure to the elements had deteriorated the clay brick exterior.

Restoration was a challenge because a clay brick could not be found that matched the original:



The National Park Service selected the sand weathered texture of Decro Face manufactured in the original size of the 1800's brick. Header brick and special tapered shapes were fabricated for jack arches over the windows:



Most people walking by the Wesleyan Chapel today would be surprised to find that the walls aren't old clay brick. Our best work is when an Architect challenges us to achieve something special for their client. Creativity, plan and specification review....we'd be happy to help, just contact us!