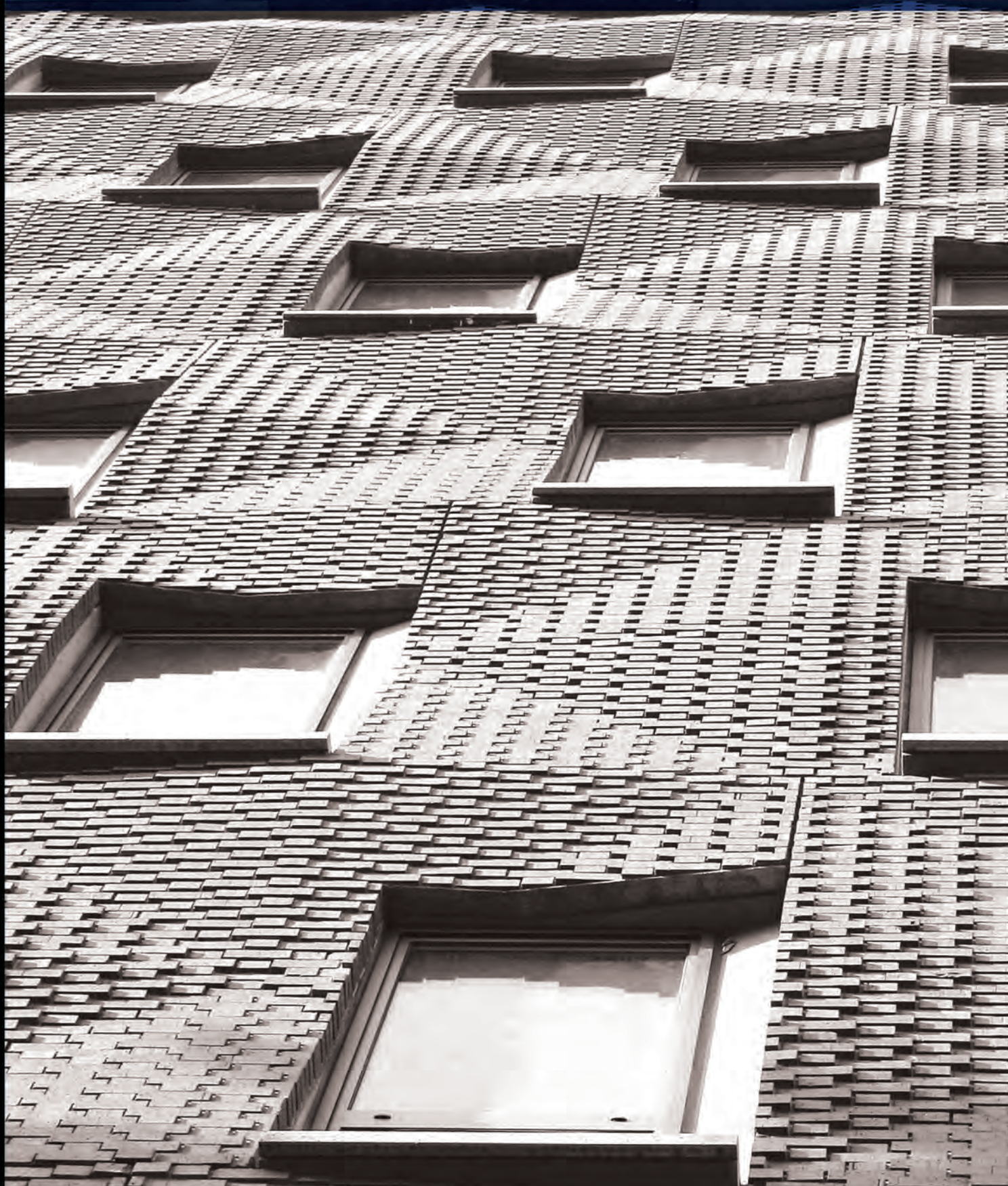


Architectural Form Liner  
Solutions for Concrete



PRODUCT CATALOG VERSION 4.0







## ARCHITECTS

### Imagine the Possibilities

Architectural Polymers, LLC, offers the largest array of form liner solutions for architects who wish to employ concrete panel systems. Armed with 5- and 3-axis CNC capability, our staff with nearly 100 years of combined experience will get your project on paper and off the ground. AP also represents most thin brick and terra cotta options for precast and tilt-up. From complex thin brick inlay applications to tilt-up and small, simple cast-in-place projects, AP has it covered. Simply put, Architectural Polymers, LLC, has it all.

## PRECASTERS

### Efficient and Versatile

Architectural Polymers, LLC, impeccable reputation for quality, U.S. manufactured form liner systems is well known in the precast community. AP does not farm any of its work to a third party. Everything is designed and manufactured at our 11-acre, 30,000 square-foot facility in Northeastern Pennsylvania. AP is associated with a long list of PCI Design Awards, validating our skill and quality. Precasters know and vouch for Architectural Polymers, LLC. Don't forget to ask about terra cotta and thin brick!

## CONTRACTORS

### Efficient, Cost-effective, and Service-minded

Architectural Polymers, LLC, offers efficient and affordable single- and multi-use form liner solutions with lightning-fast delivery options to contractors. We have a 200-pattern inventory of differing textures to suit your needs on roadways, retaining walls, and bridges. In addition, we exclusively offer the multi-use Versa-Brix® Vertical Brick Inlay System for vertical casting of thin brick into cast-in-place retaining walls and bridges. We can help determine the best form liner solutions to meet your needs within your timeline and budget. For total satisfaction, our engineering services are included in every form liner transaction to ensure the best project experience!

## TILT-UP

### Beautiful and Economical

Architectural Polymers, LLC, offers many optimal single-use Form Liner solutions for your tilt-up construction needs. In 2020-2021, AP's facility was upgraded to a daily capacity of nearly 20,000 square feet of single-use form liner production, along with tens of thousands of square feet of crated popular material just waiting to go. This capability is matched by none and means you'll likely get material on or before your scheduled delivery day. We also have the ability to customize with both textured Form Liners and the Versa-Brix® S inlay system. With the ability to wax thin brick and terra cotta, Architectural Polymers, LLC, also carries a 200,000 square-foot inventory of PCI thin brick to package with the Versa-Brix® S System.







As an approved provider of the AIA Continuing Education System, Architectural Polymers, LLC, proudly offers quality continuing education credits to AIA members and design professionals, worldwide.

We are now hosting accredited Lunch and Learn sessions. Visit our website at [apformliner.com](http://apformliner.com), or contact us at [info@apformliner.com](mailto:info@apformliner.com) to schedule a session.



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**Architectural Polymers, LLC, Form Liners are widely regarded as the most quality-oriented and detailed product for concrete architectural surface treatment. Cost-effective and environmentally friendly, form liners from Architectural Polymers, LLC, are made of elastomeric-urethane, high-impact polystyrene or low-use acrylonitrile butadiene styrene.**

**Our catalog features almost 200 patterns – available in Brick, Contemporary, Flat, Fractured, Rhythmic, Stone and Block, and Wood.**

**Architectural Polymers, LLC, also specializes in custom form liners used in public arts projects, precast retaining walls, and highway walls.**

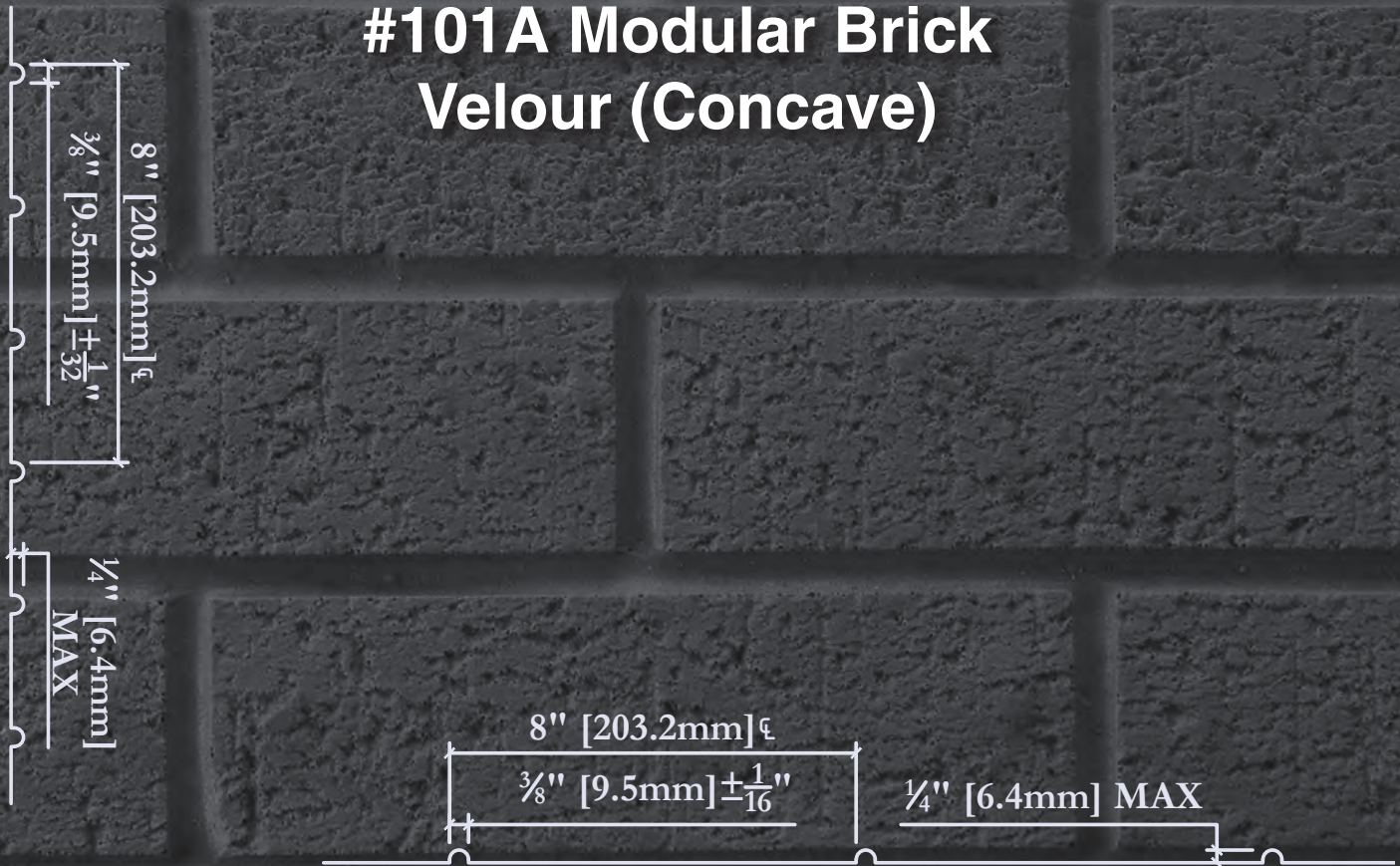






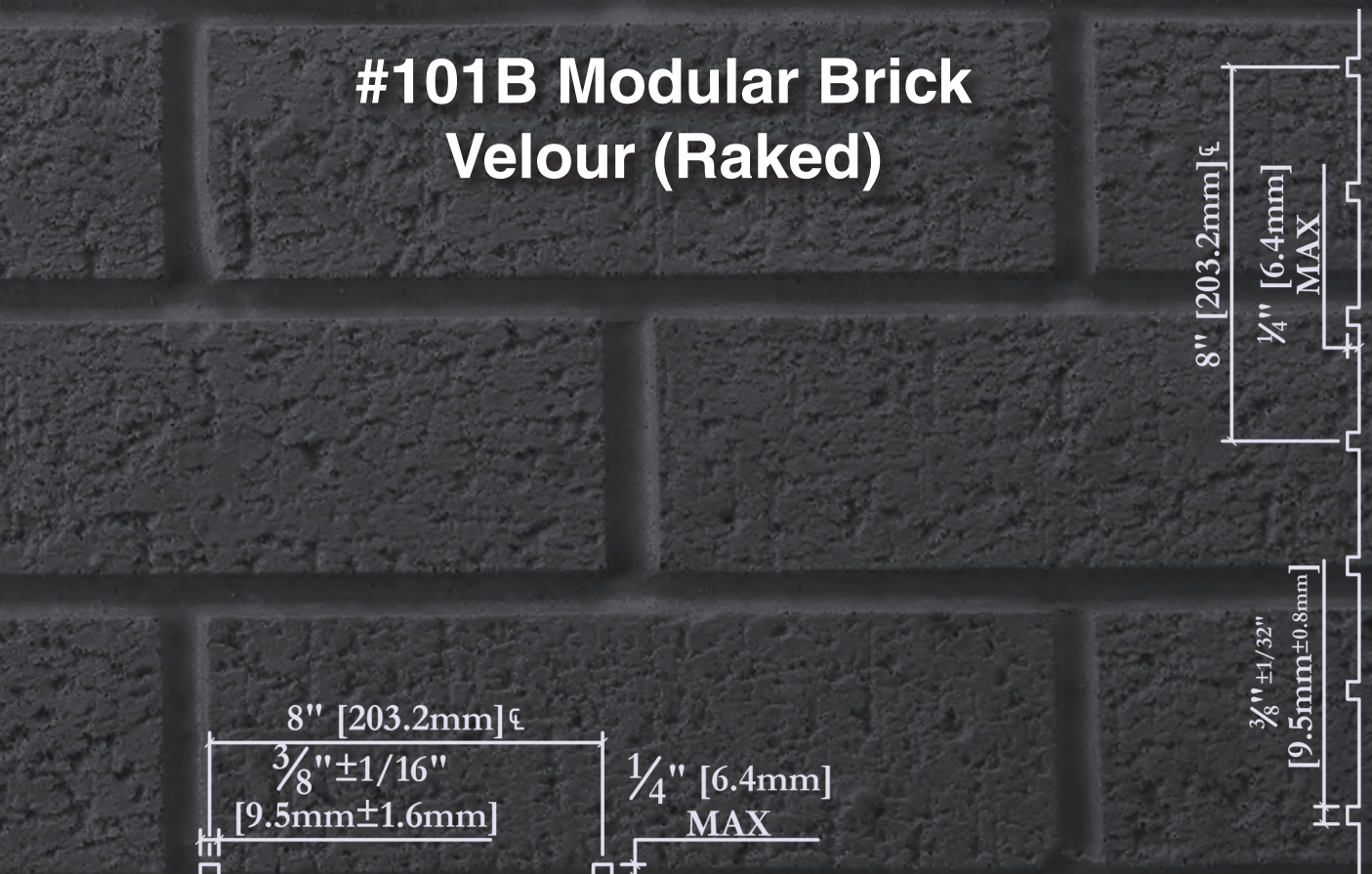


## #101A Modular Brick Velour (Concave)



Available in Elastomeric & HIPS

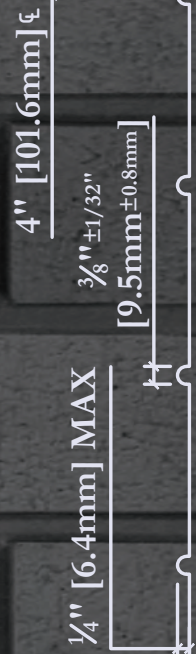
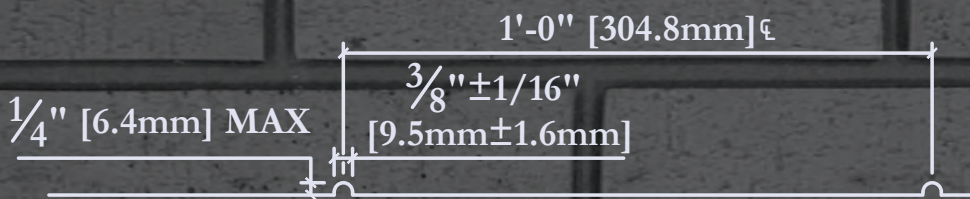
## #101B Modular Brick Velour (Raked)



Available in Elastomeric & HIPS



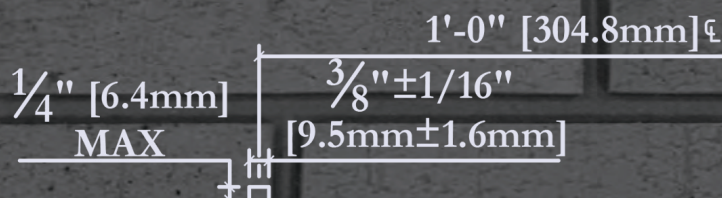
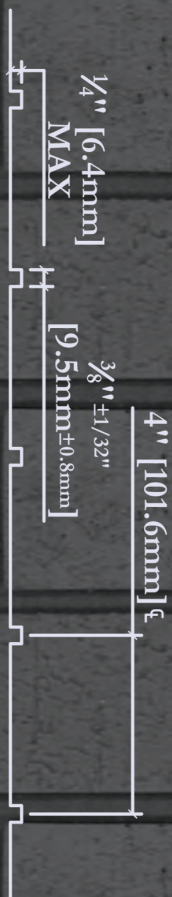
## #102A Utility Brick Wirecut (Concave)



Available in Elastomeric & HIPS

BRICK

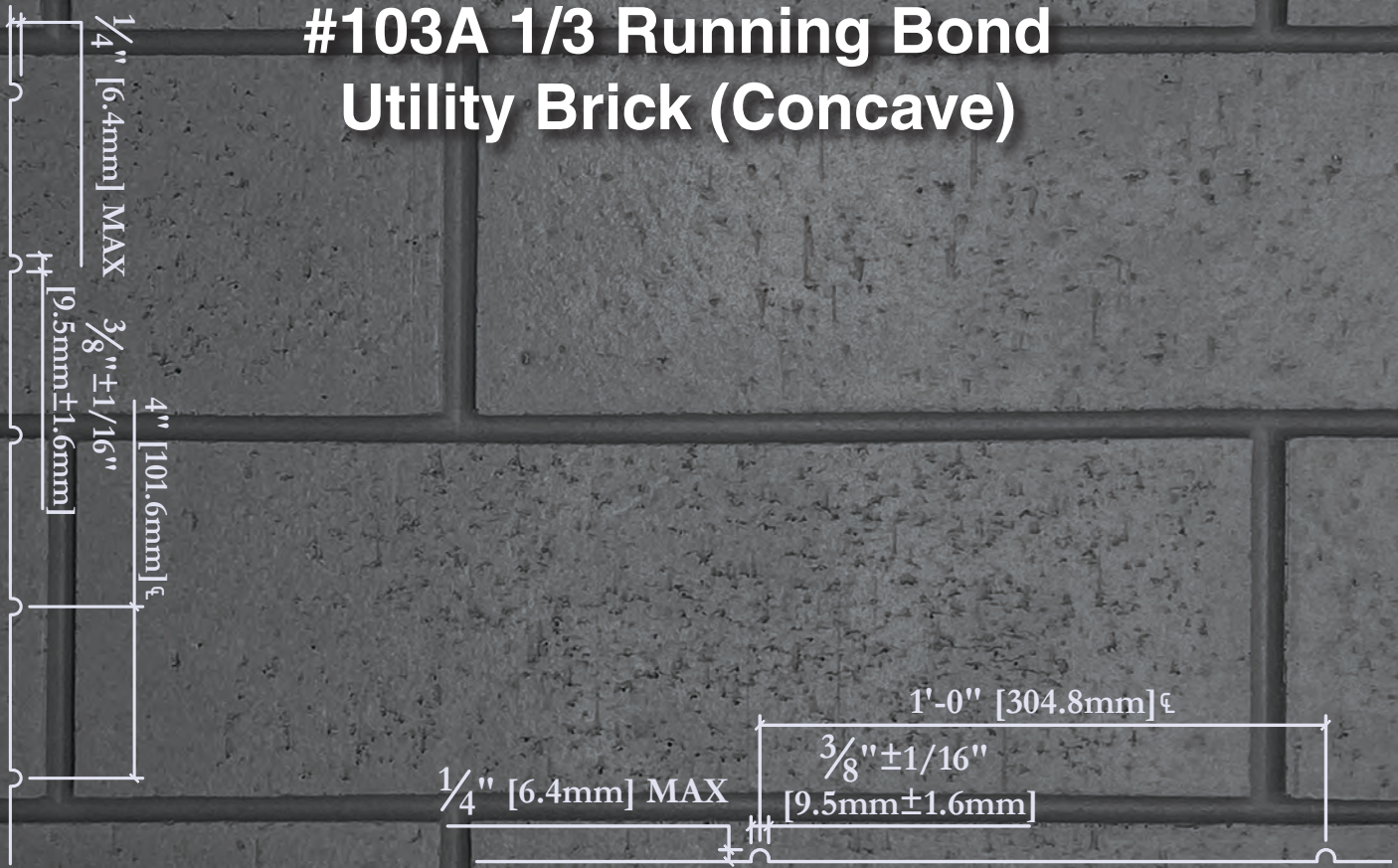
## #102B Utility Brick Wirecut (Raked)



Available in Elastomeric & HIPS

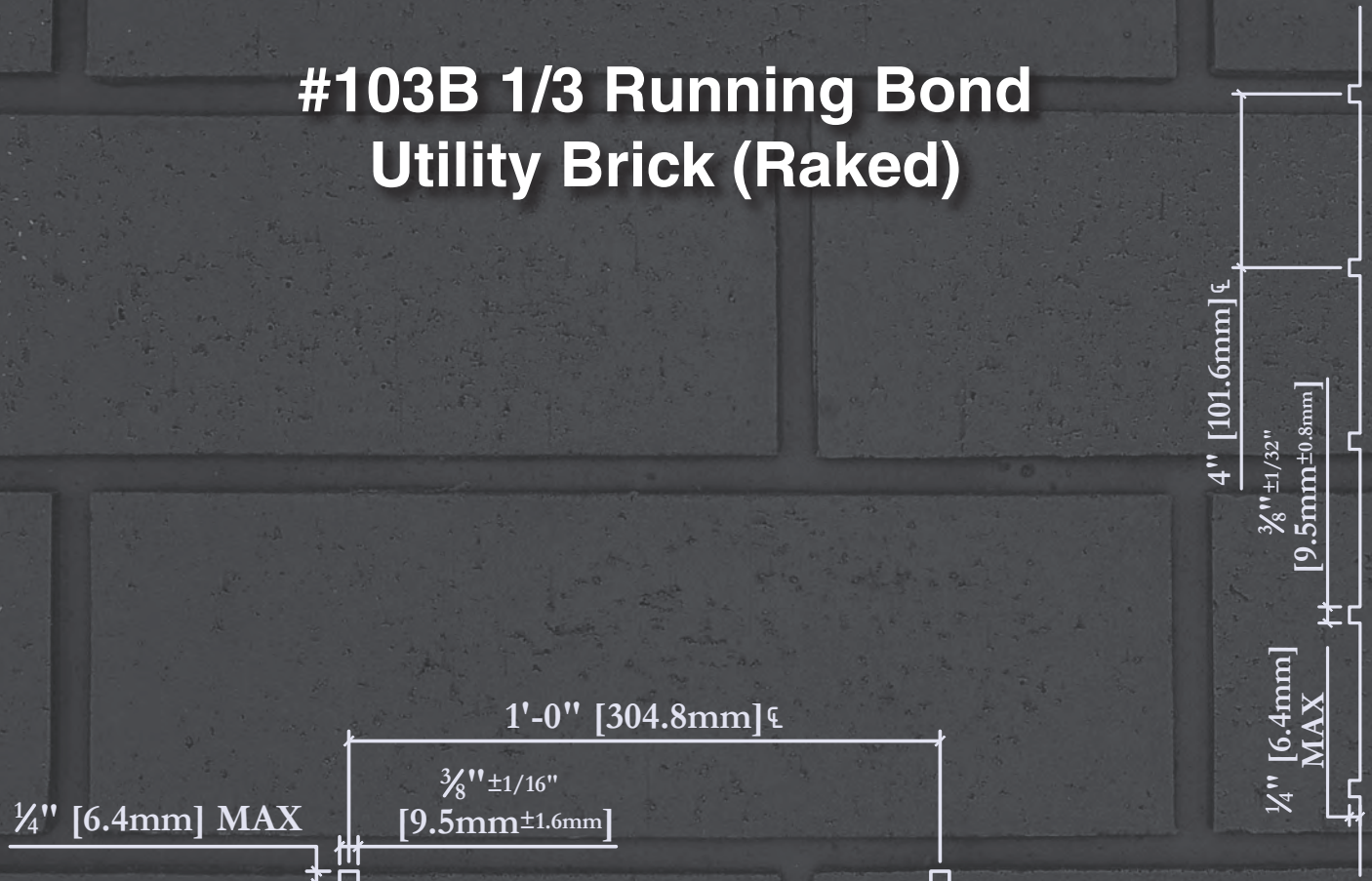


## #103A 1/3 Running Bond Utility Brick (Concave)



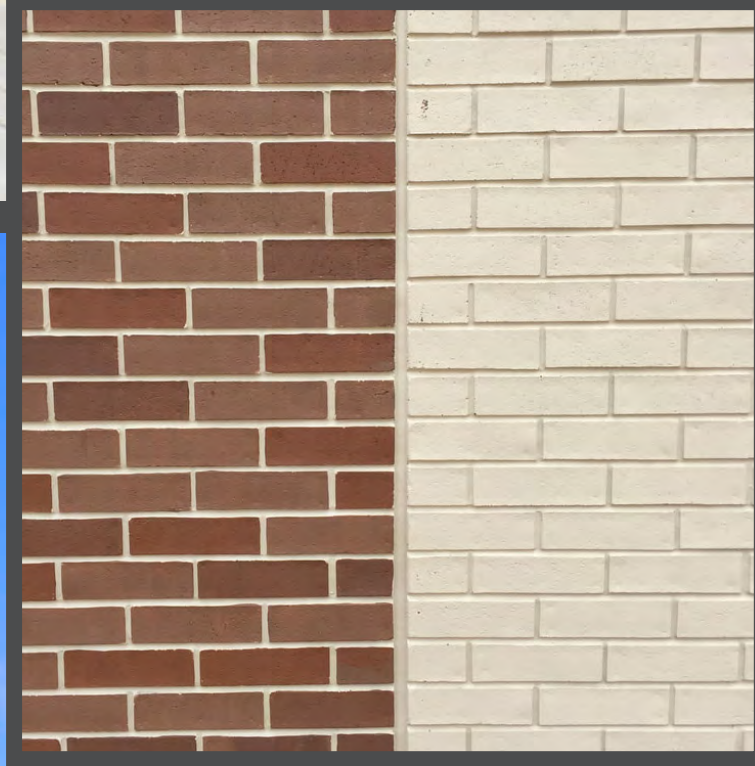
Available in Elastomeric & HIPS

## #103B 1/3 Running Bond Utility Brick (Raked)



Available in Elastomeric & HIPS



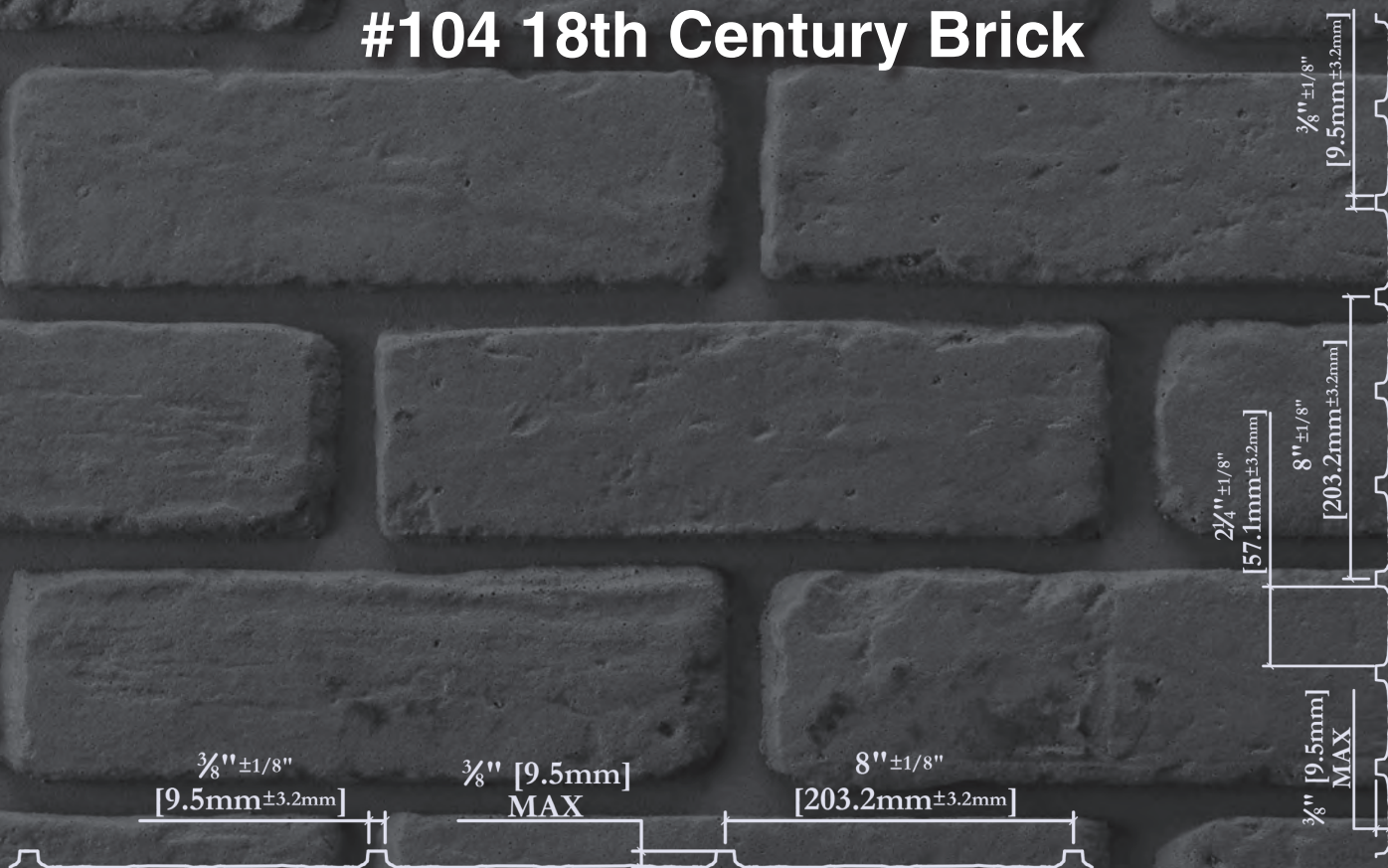






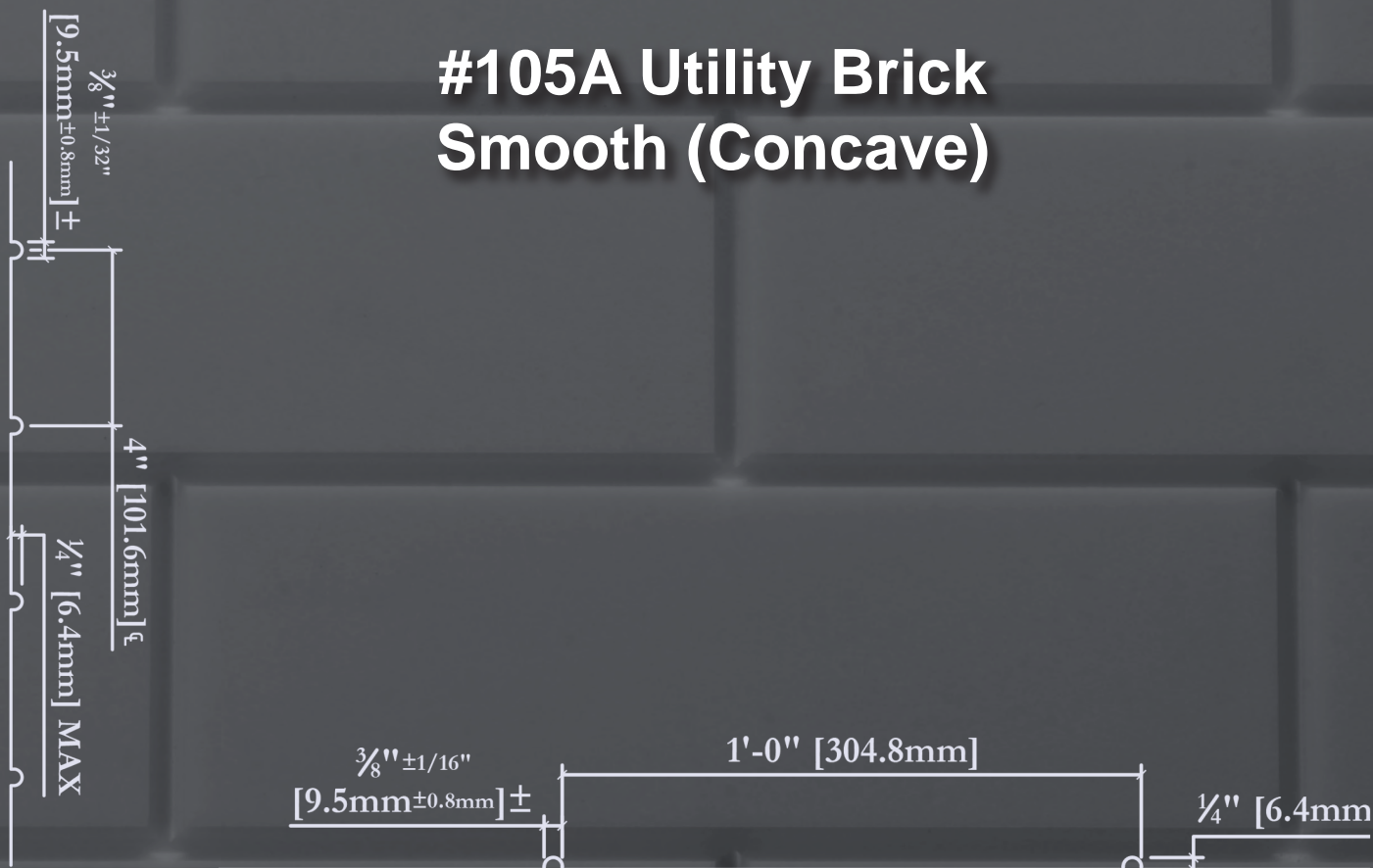


## #104 18th Century Brick



Available in Elastomeric & HIPS

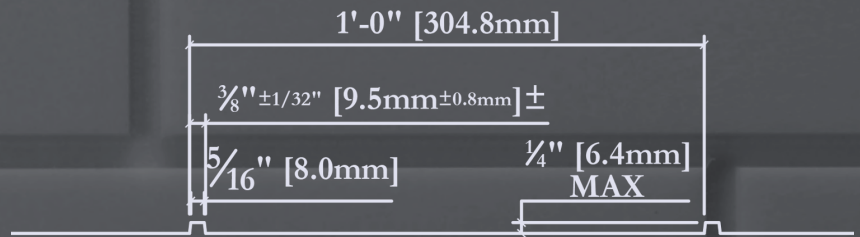
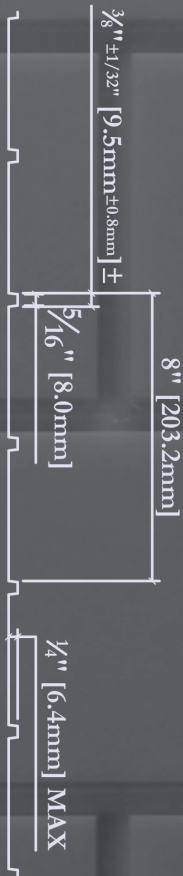
## #105A Utility Brick Smooth (Concave)



Available in Elastomeric & HIPS

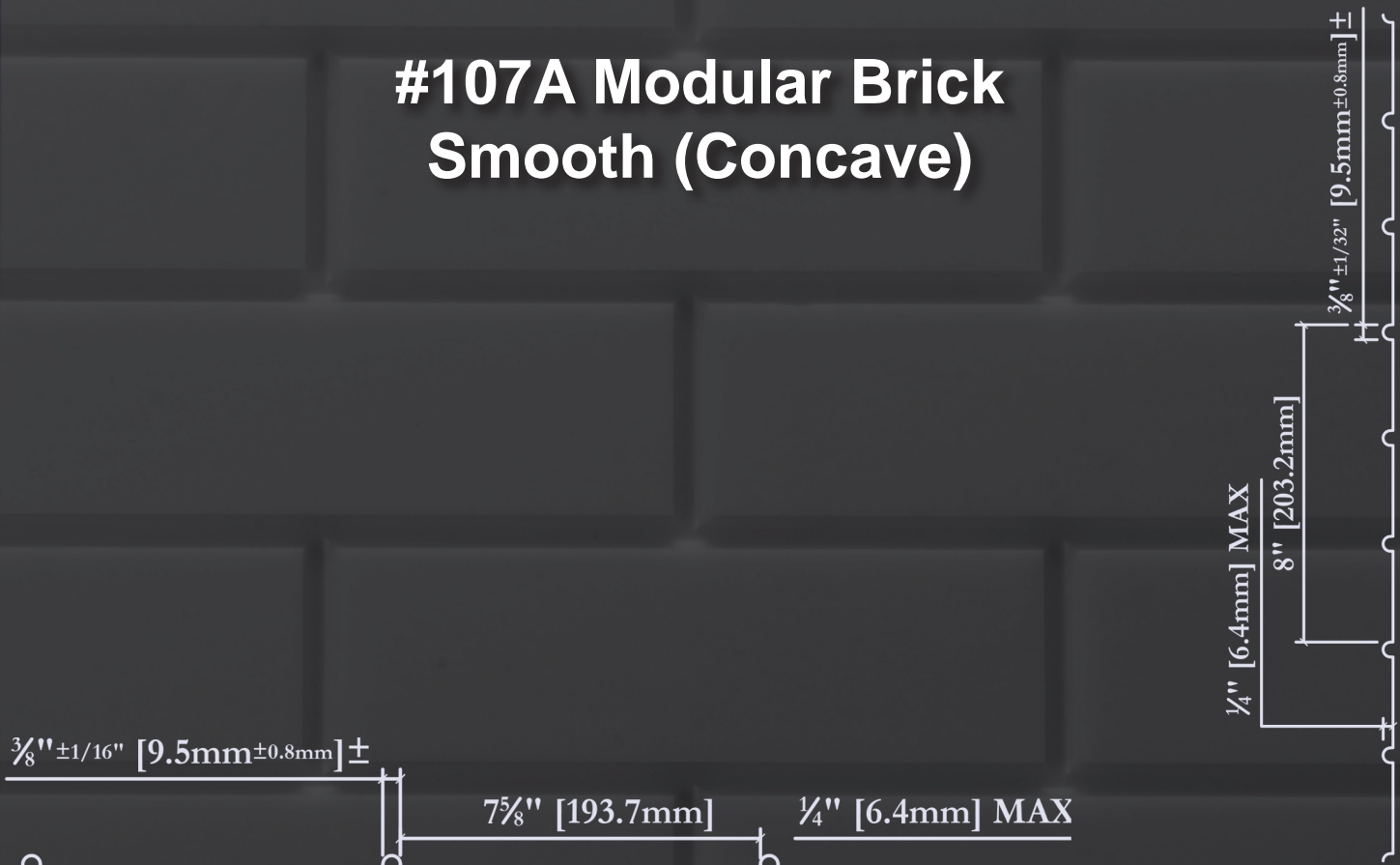


## #105B Utility Brick Smooth (Raked)



Available in Elastomeric & HIPS

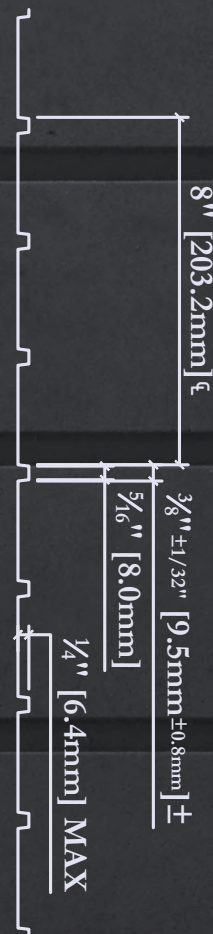
## #107A Modular Brick Smooth (Concave)



Available in Elastomeric & HIPS

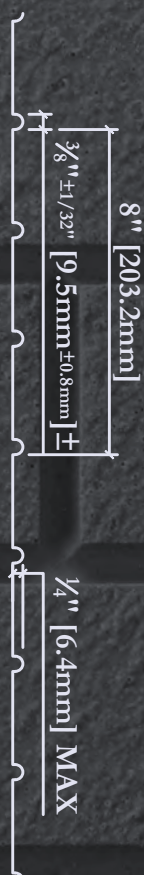


# #107B Modular Brick Smooth (Raked)



Available in Elastomeric & HIPS

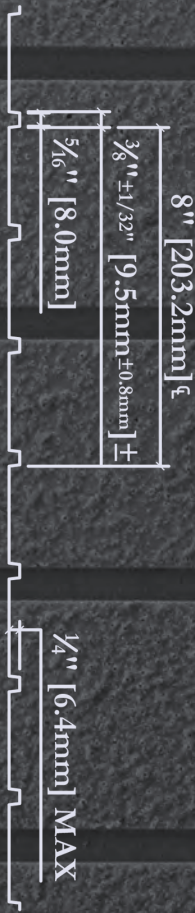
# #108A Modular Brick Sand Finish (Concave)



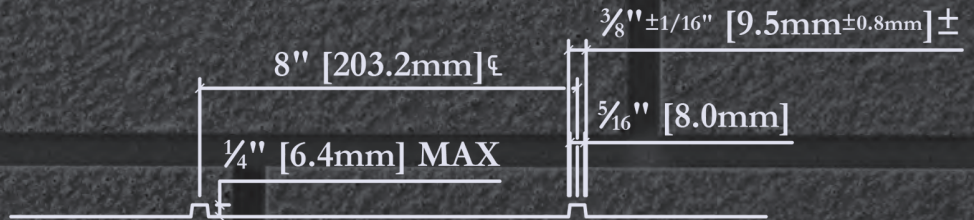
Available in Elastomeric & HIPS



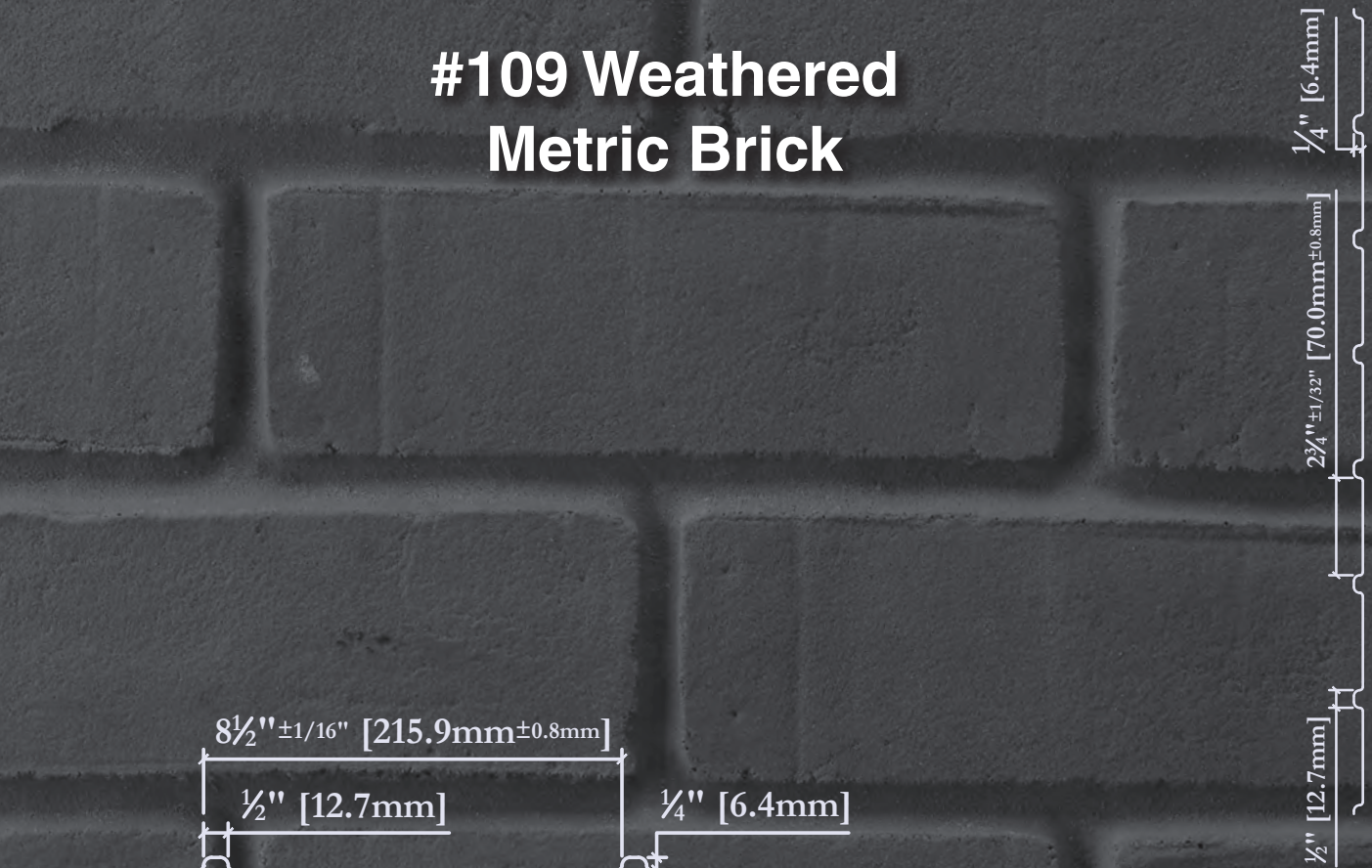
# #108B Modular Brick Sand Finish (Raked)



Available in Elastomeric



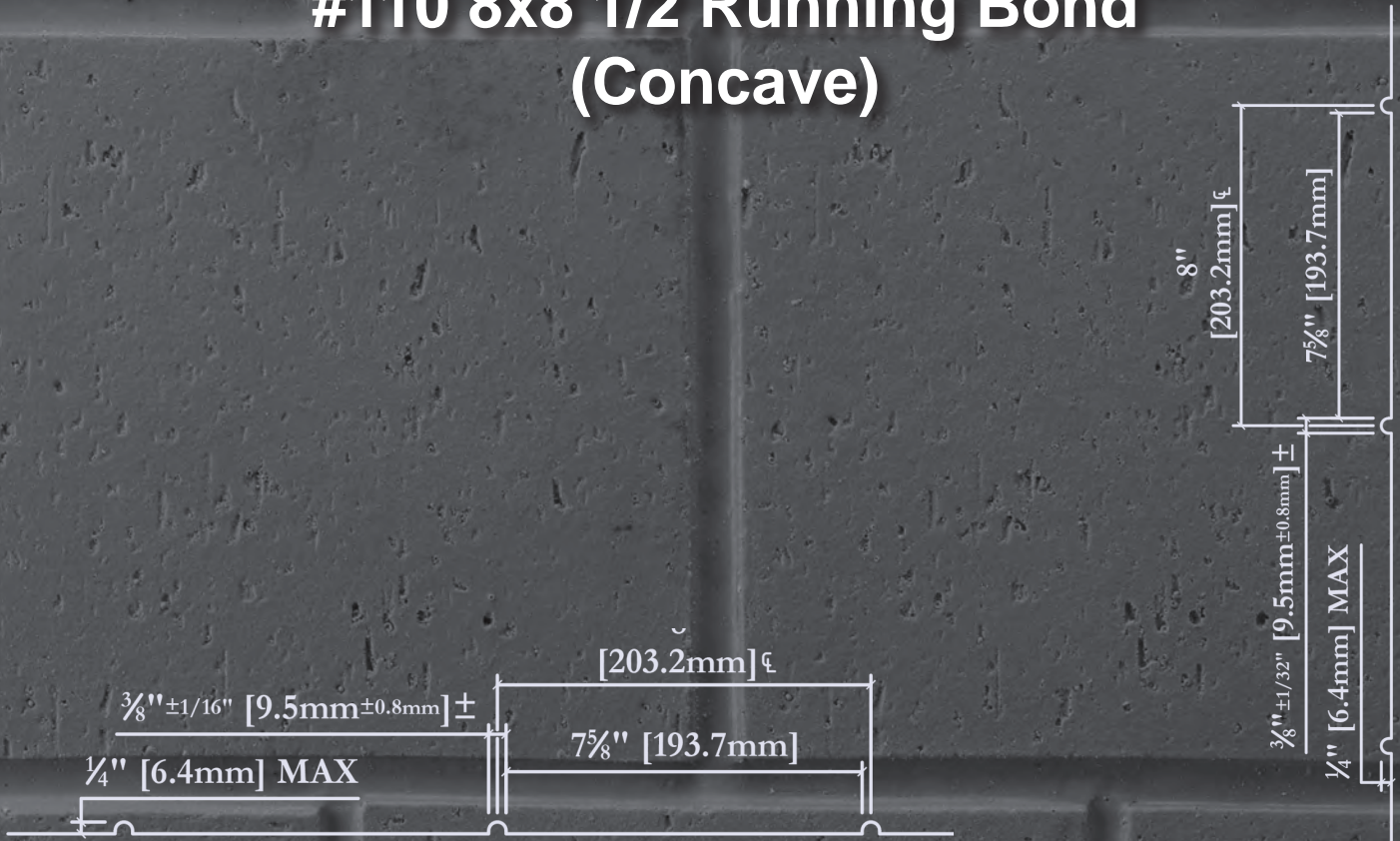
# #109 Weathered Metric Brick



Available in Elastomeric & HIPS



# #110 8x8 1/2 Running Bond (Concave)



Available in Elastomeric & HIPS

# #111 Ohio Sand Brick



Available in Elastomeric & HIPS



# #112 Modular Brick Wirecut (Concave)



Available in Elastomeric & HIPS

# #113 Closure Brick Tumbled (Raked)



Available in Elastomeric & HIPS

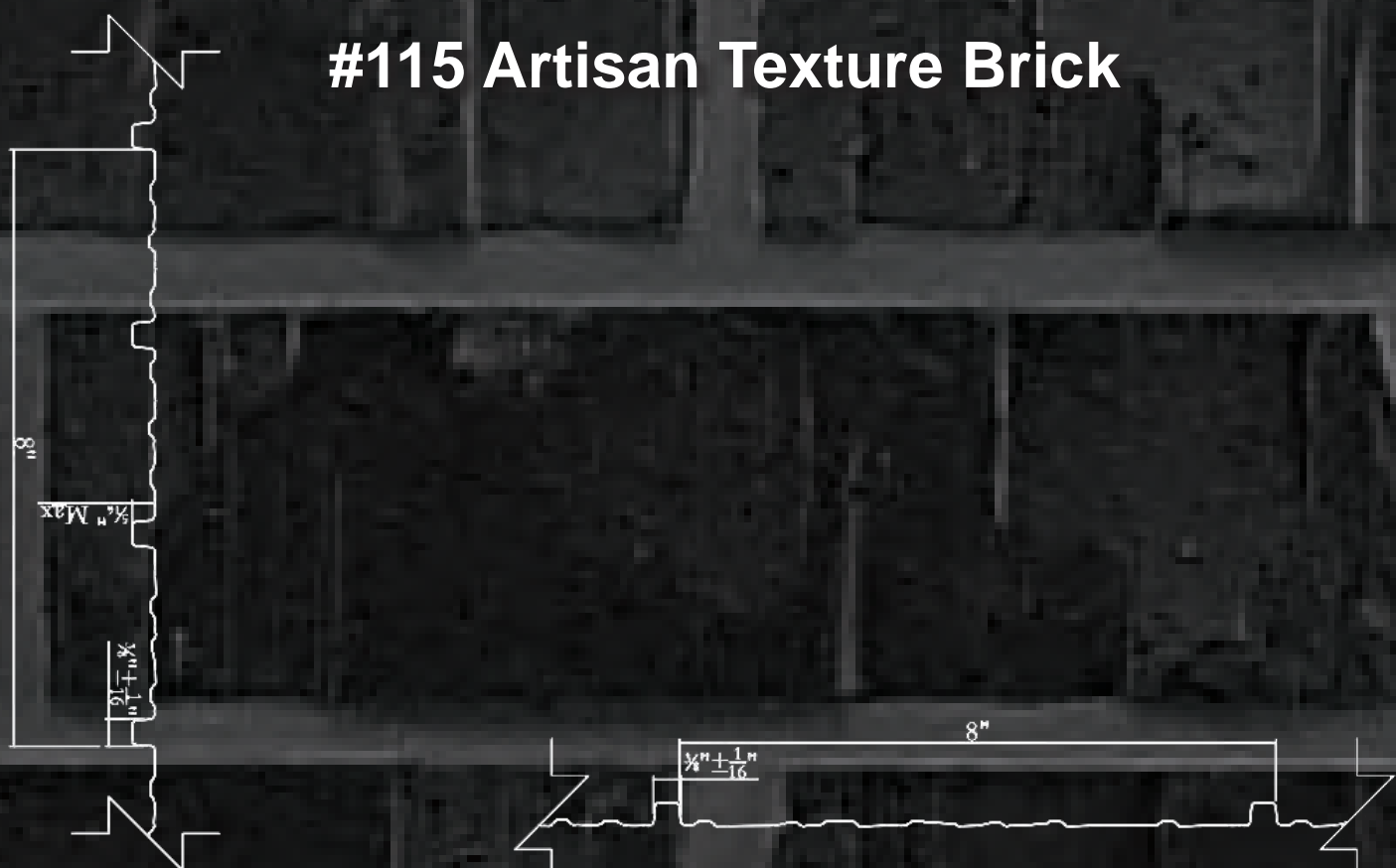


# #114 Long Format Hand Molded Brick Pattern



Available in Elastomeric & HIPS

# #115 Artisan Texture Brick



Available in Elastomeric & HIPS



# #116 Half Running Bond Closure Smooth Brick Lap & Lock



Available in Elastomeric & HIPS

# #117 Sand Finish Stacked Bond



Available in Elastomeric & HIPS



# #118 Desert Grain Half Running Bond Modular Lap & Lock



# #119 Vertical Score Half Running Bond US Modular Lap & Lock





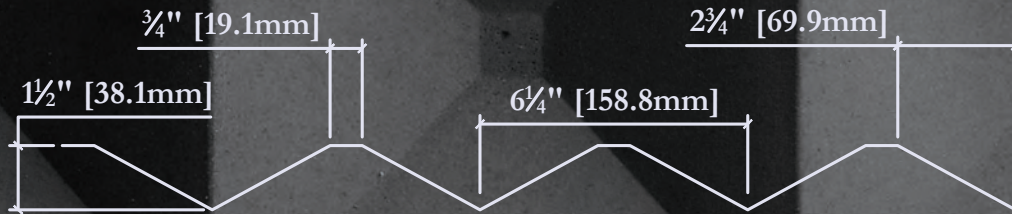






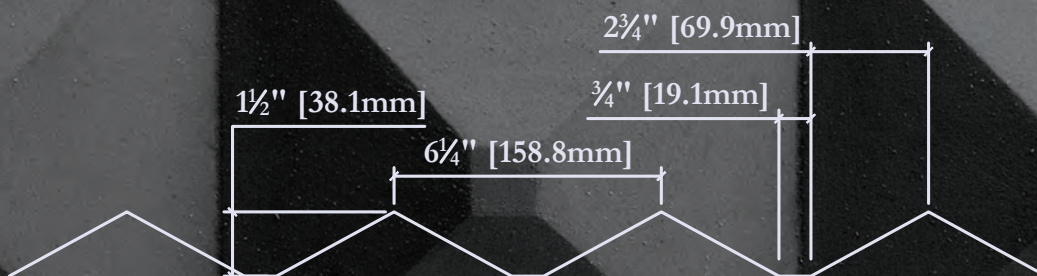


## #701 Lowell



Available in Elastomeric & HIPS

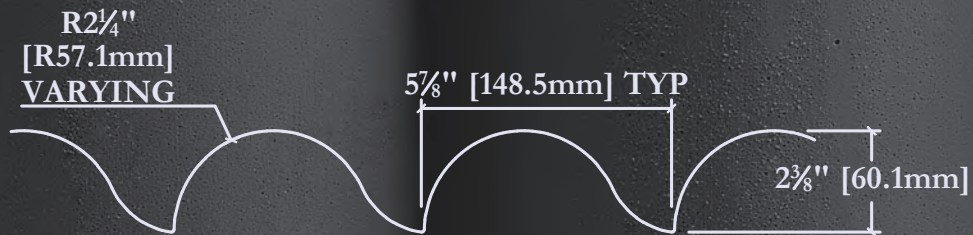
## #702 Billerica



Available in Elastomeric & HIPS

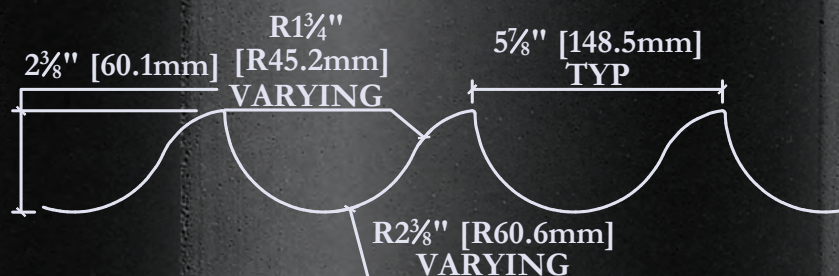


## #703 Natick



Available in Elastomeric

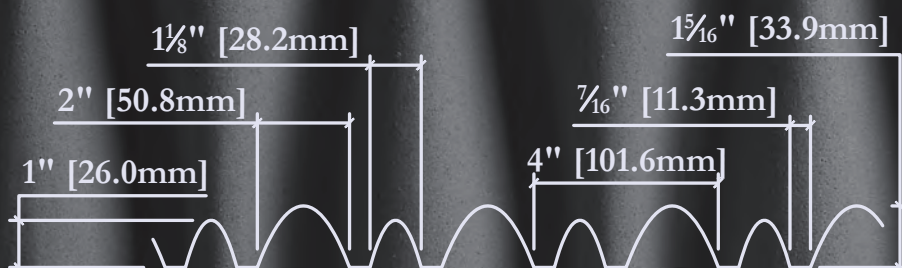
## #704 Dracut



Available in Elastomeric

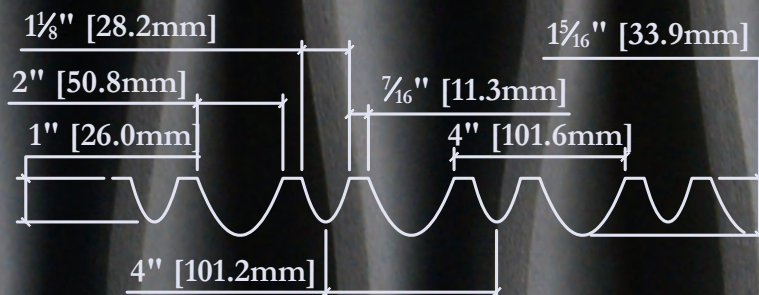


## #705 Haverhill



Available in Elastomeric

## #706 Tewksbury



Available in Elastomeric





BLOOD  
SERVICES  
C.C.S.  
COURIER  
LAB  
PARKING  
ONLY

BLOOD  
SERVICES  
C.C.S.  
COURIER  
LAB  
PARKING  
ONLY

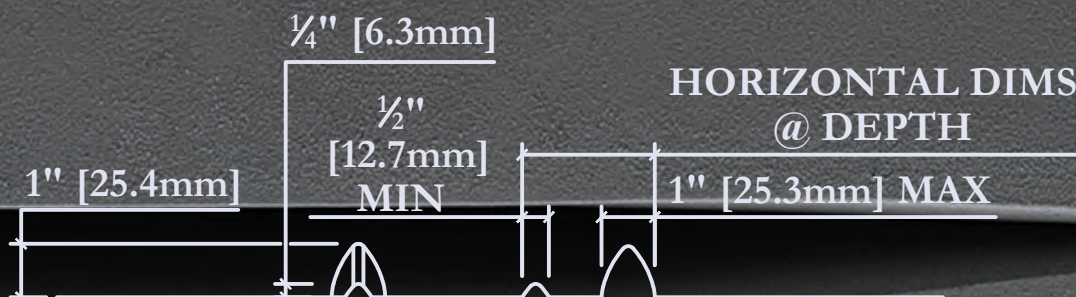






# #707 Ipswich

CONTEMPORARY



Available in Elastomeric & HIPS

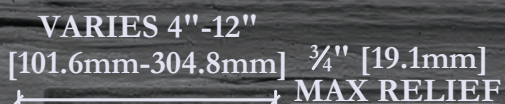


## #708 Saugus



Available in Elastomeric & HIPS

## #709 Sagaponack



Available in Elastomeric & HIPS

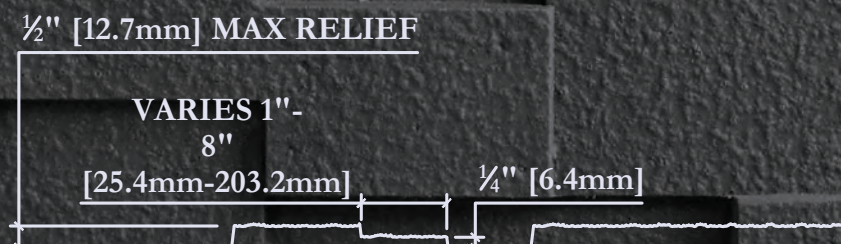


# #710 Pepperel



Available in Elastomeric & HIPS

# #711 Cambridge



Available in Elastomeric & HIPS



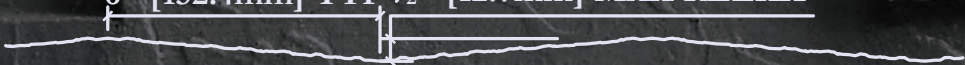
#711 Cambridge





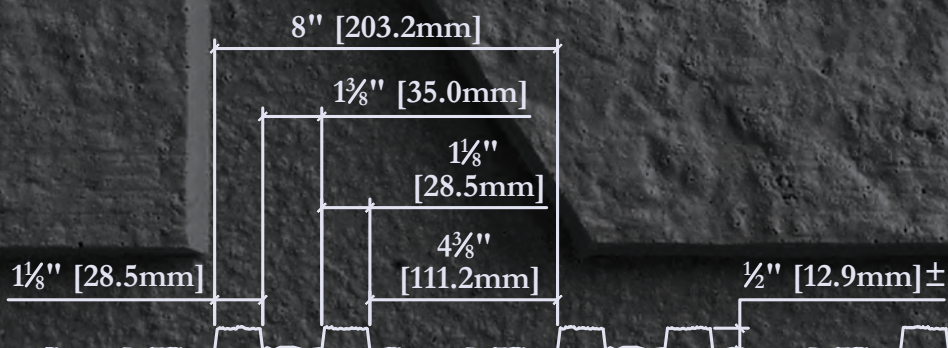
## #712 Marshfield

6" [152.4mm] TYP ½" [12.7mm] MAX RELIEF



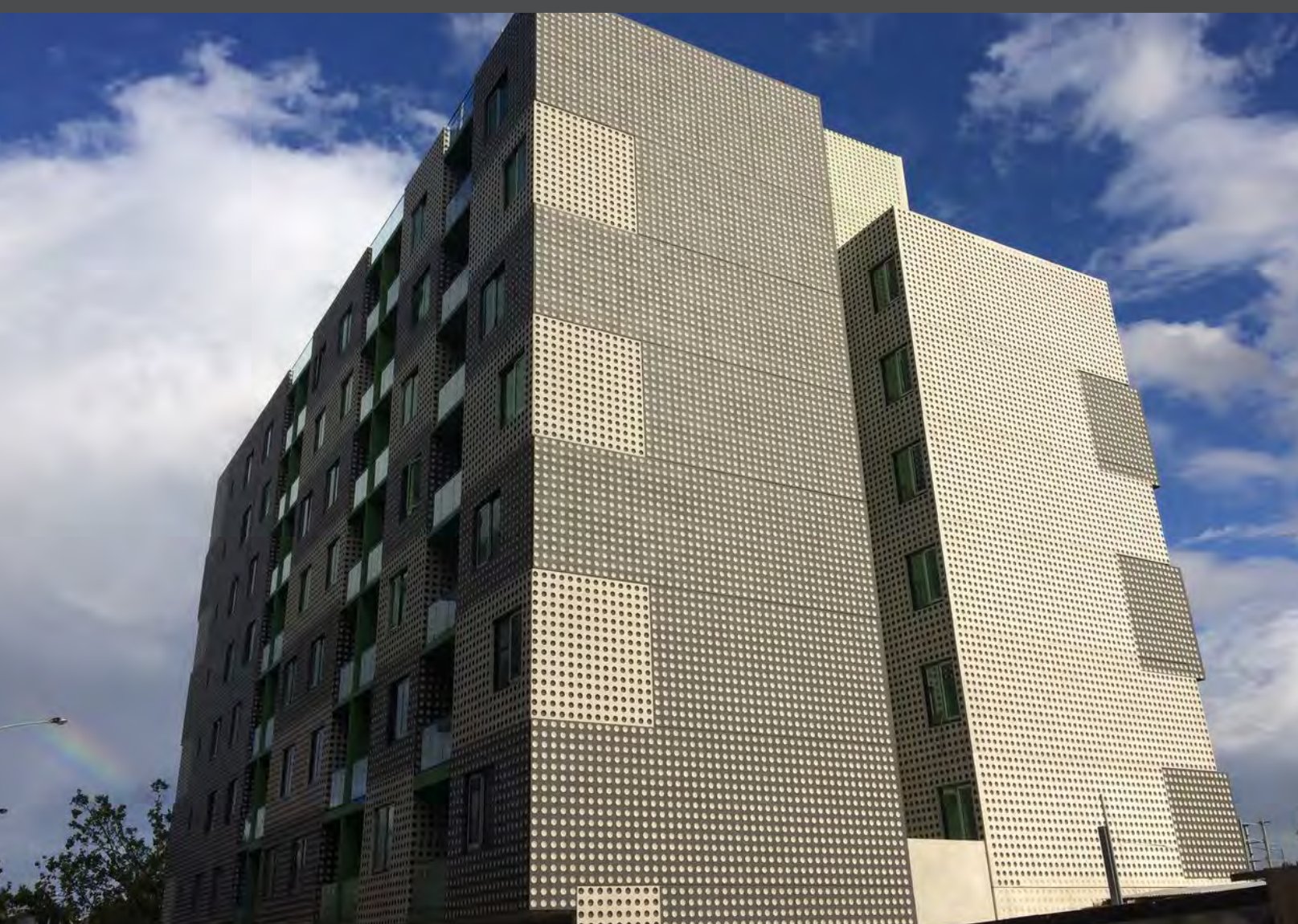
Available in Elastomeric & HIPS

## #713 Clicquot



Available in Elastomeric & HIPS

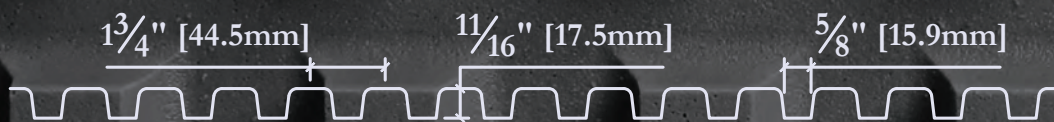






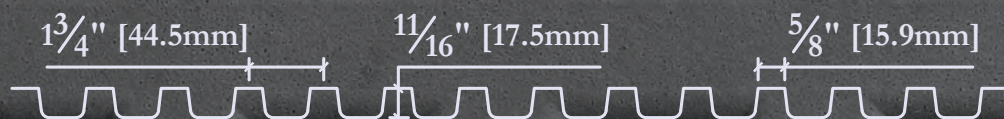
## #714 Lenox

CONTEMPORARY



Available in Elastomeric

## #715 Roxbury

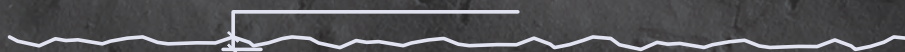


Available in Elastomeric



## #716 Marblehead

$\frac{1}{4}"$  [6.4mm] MAX



Available in Elastomeric & HIPS

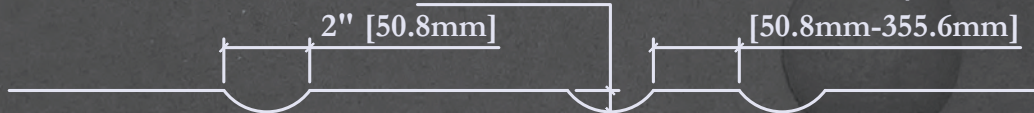
## #717 Peabody

$\frac{1}{2}"$  [12.7mm]

2" [50.8mm]

VARIES  
2"-14"

[50.8mm-355.6mm]



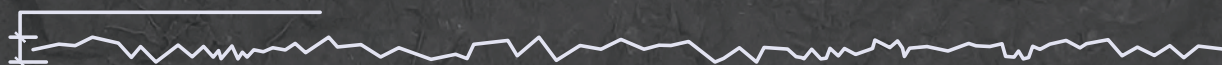
Available in Elastomeric



# #718 Reynold

CONTEMPORARY

$\frac{1}{2}$ " [12.7mm] MAX



Available in Elastomeric & HIPS



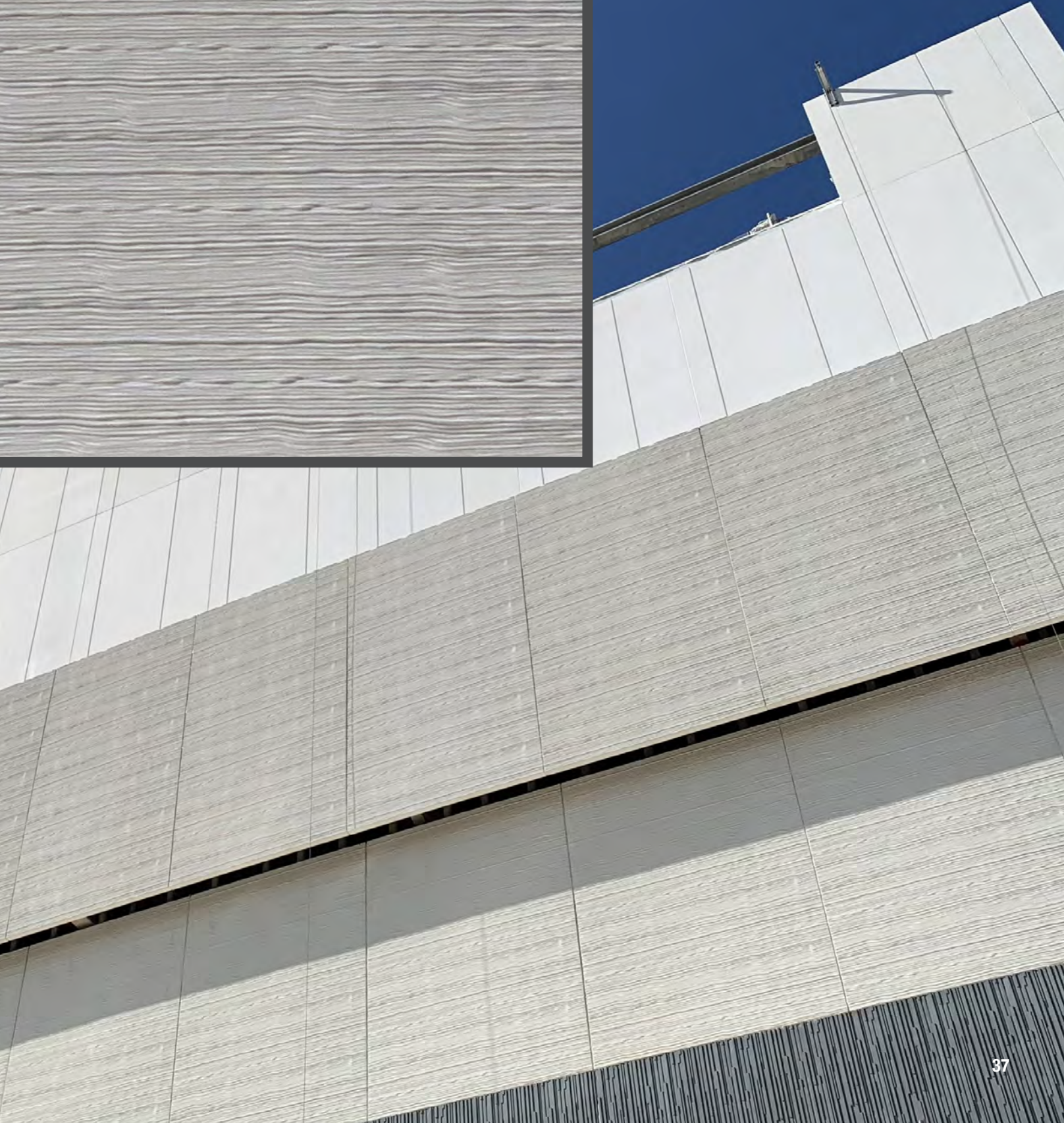
# #719 Longmeadow

$\frac{7}{16}$ " [11.9mm] MAX



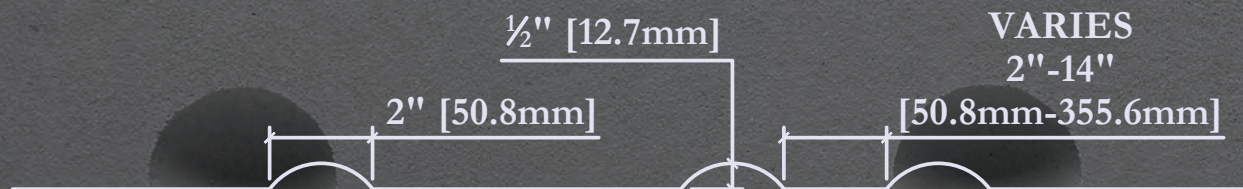


#719 Longmeadow





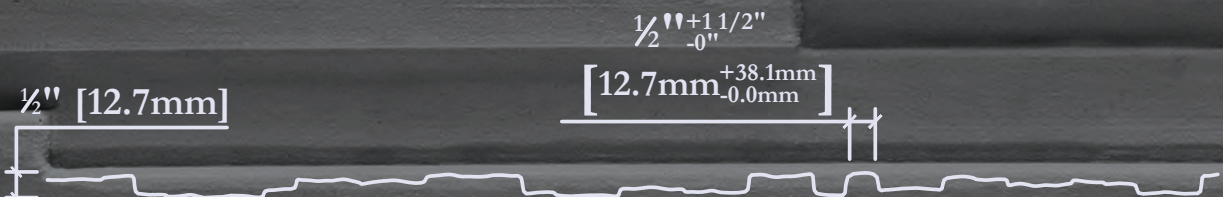
# #720 Chicopee





# #721 Duxberry

CONTEMPORARY



Available in Elastomeric

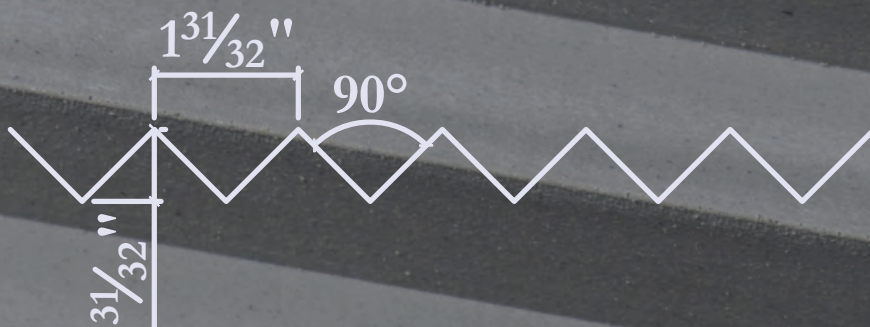






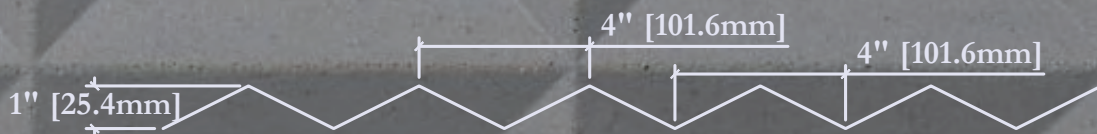
# #722 Boat Ramp

CONTEMPORARY



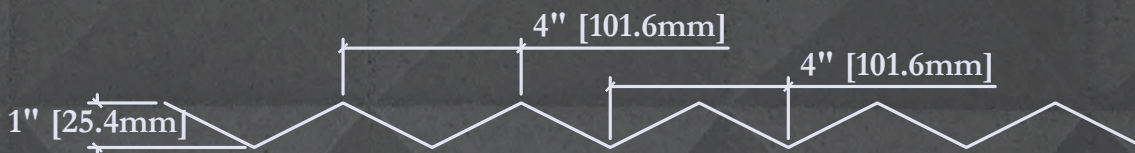


# #723 Pyramids In



Available in Elastomeric & HIPS

# #724 Pyramids Out



Available in Elastomeric

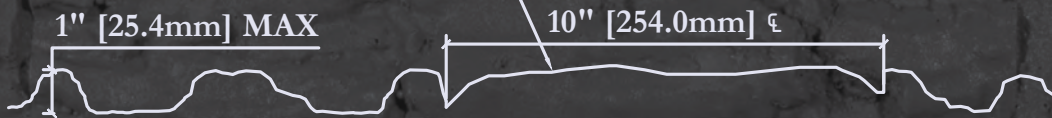






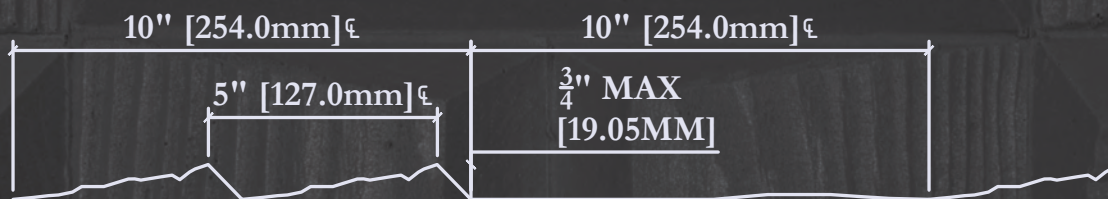
## #742 Shrewsbury

RANDOM ROUGH TEXTURE



Available in Elastomeric

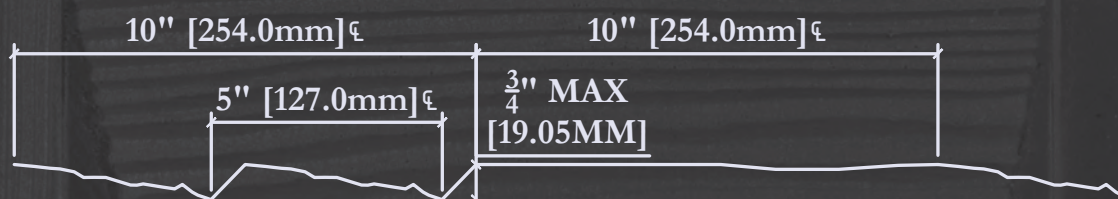
## #743 Rockland



Available in Elastomeric

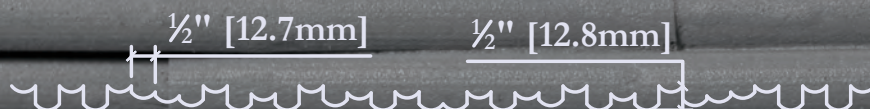


## #744 Wrentham



Available in Elastomeric

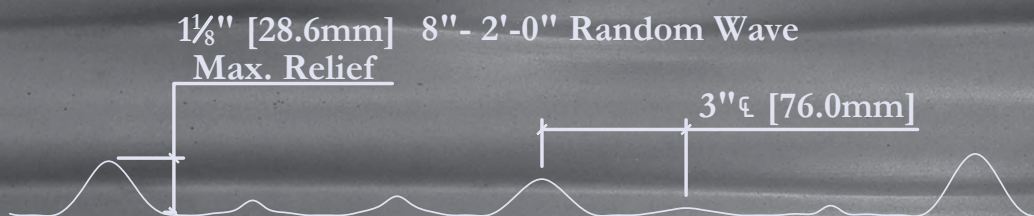
## #745 Harwich



Available in Elastomeric

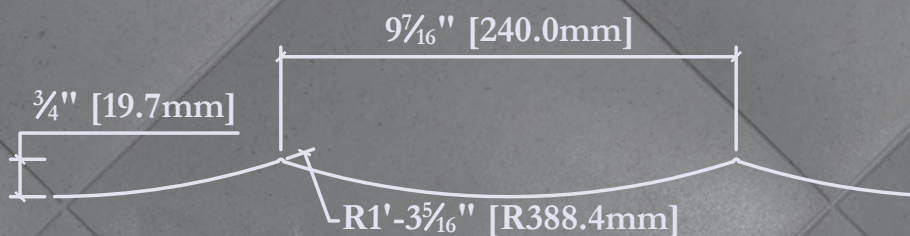


## #748 Watertown



Available in Elastomeric

## #749 Athol



Available in Elastomeric



# #750 Becket

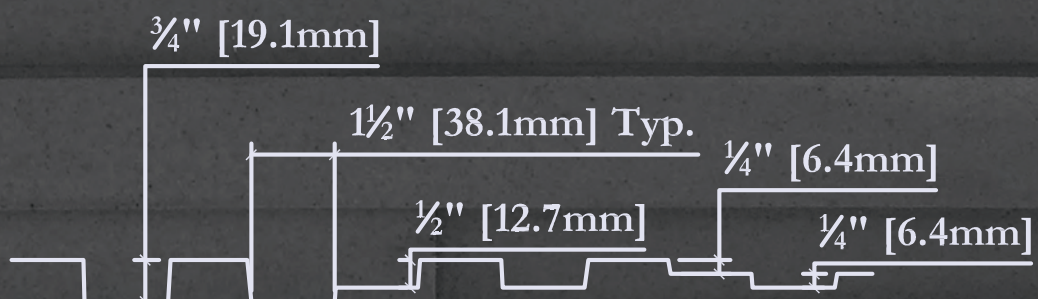
1 1/2"

± Max.

Relief



# #752 Quincy



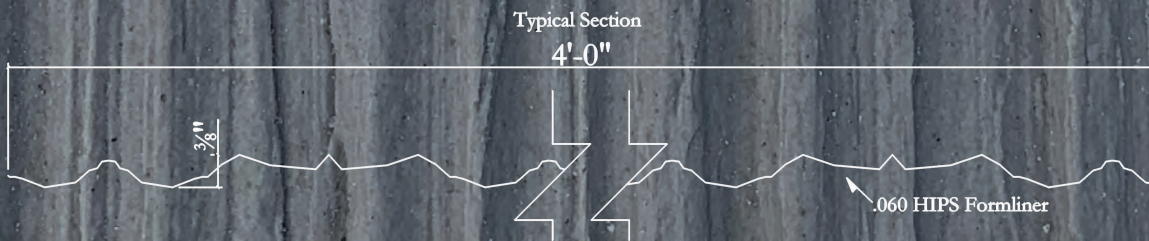


#752 Quincy





# #753 Lunenburg





# #754 Holland

Relief Varies  $\frac{1}{4}" \pm$  Min  
 $\frac{3}{4}" \pm$  Max

3"  $\pm$   
Vertical  
Edge  
Spacing

2"  $\pm$   
Vertical  
Edge  
Spacing



## #401 Exposed Aggregate

$\frac{1}{2}"$  [12.7mm]±

Available in Elastomeric & HIPS

## #403 Light Sand Finish

$\frac{1}{16}"$  [1.6mm]

LIGHT DIMPLE



## #404 Medium Sand Finish



Available in Elastomeric & HIPS

## #405 Smooth Finish











## #406 Worm Stucco

$\frac{1}{8}"$  [3.0mm] MAX

Available in Elastomeric & HIPS

## #407 Broom Finish

$\frac{1}{4}"$  [6.4mm] MAX

Available in Elastomeric & HIPS



# #408 Bush Hammer

FLAT

$\frac{3}{8}"$  [9.3mm] MAX

Available in Elastomeric & HIPS

# #410 EIFS

$\frac{1}{4}"$  [6.0mm]  $\pm$

Available in Elastomeric & HIPS











## #412 Venetian Stucco

$\frac{1}{8}"$  [3.5mm] MAX

Available in Elastomeric & HIPS

## #414 Travertine

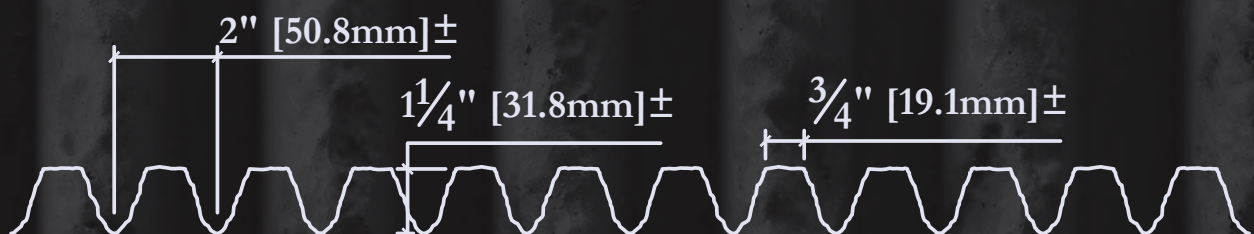
$\frac{1}{4}"$  [6.35mm]

MEDIUM DIMPLE



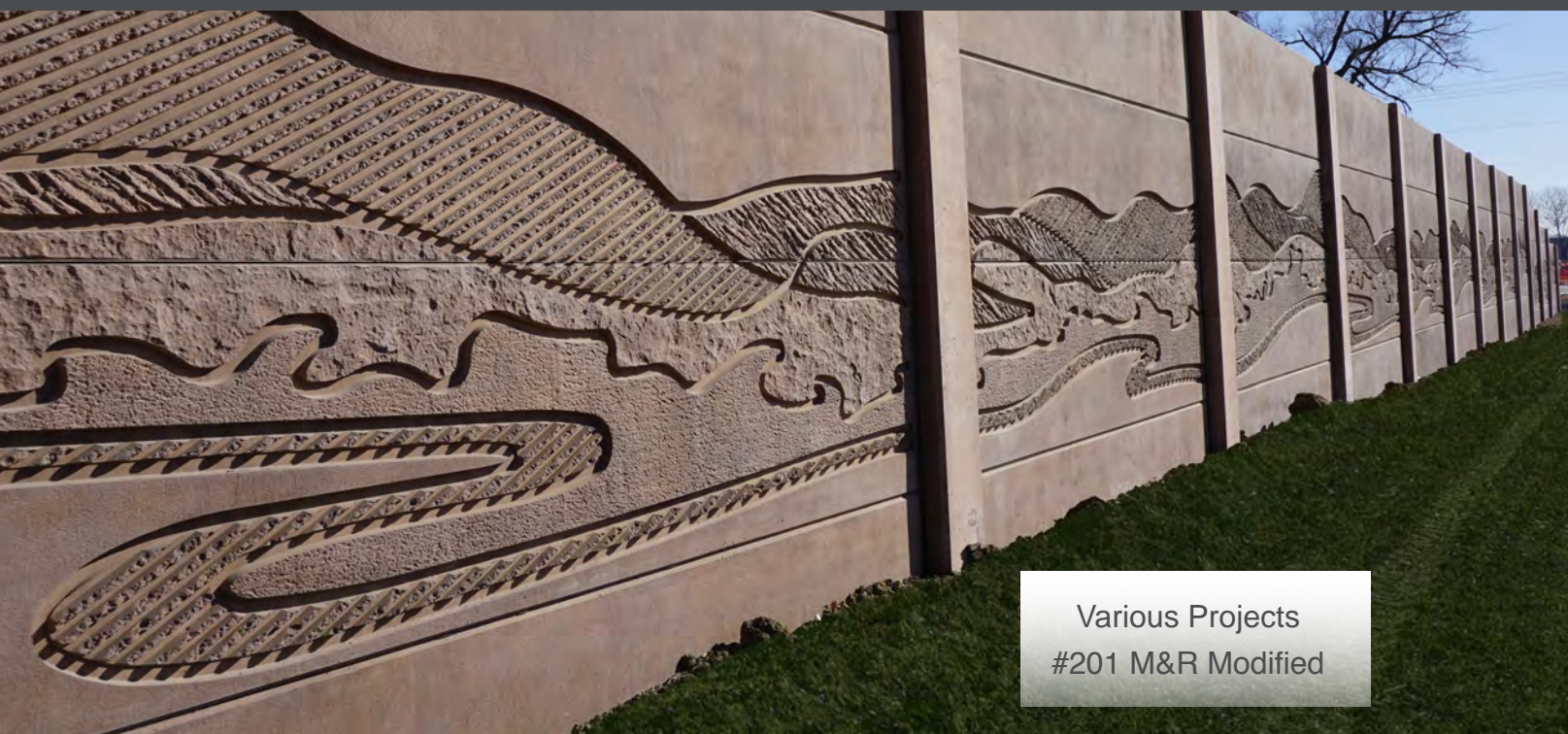
# #201 M & R Modified

FRACTURED

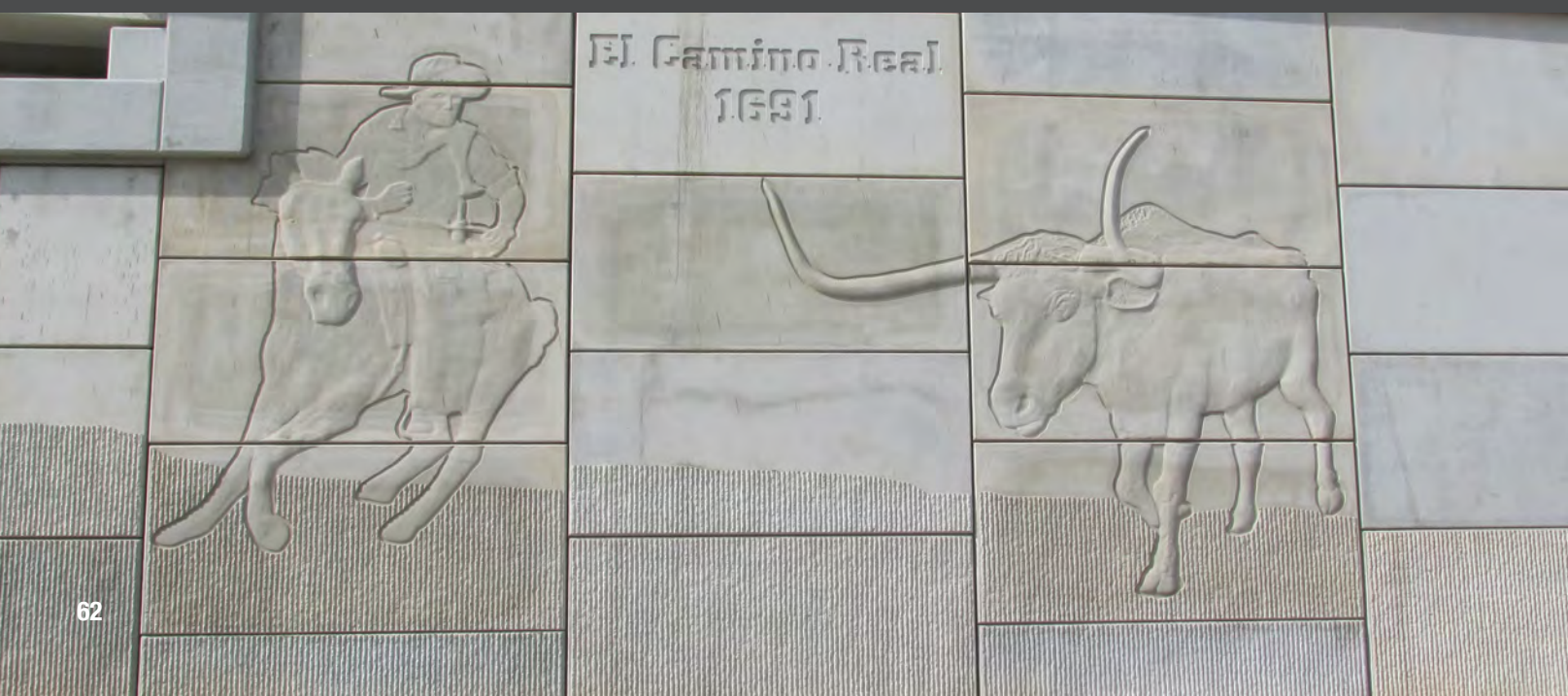


Available in Elastomeric & HIPS





Various Projects  
#201 M&R Modified







#202 Tree Bark/Custom





# #202 Tree Bark

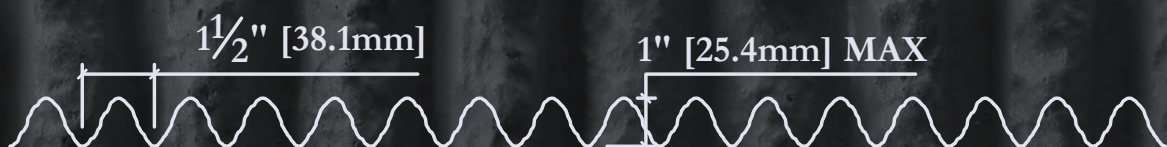
1" [25.4mm] MAX

RANDOM ROUGH TEXTURE



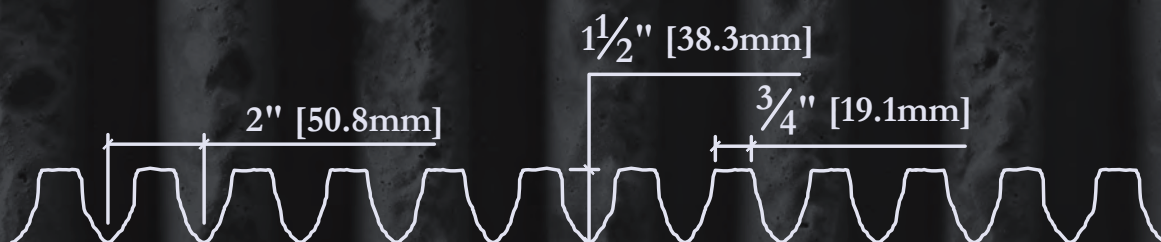
# #203 1" Standard Fractured Fin

FRACTURED





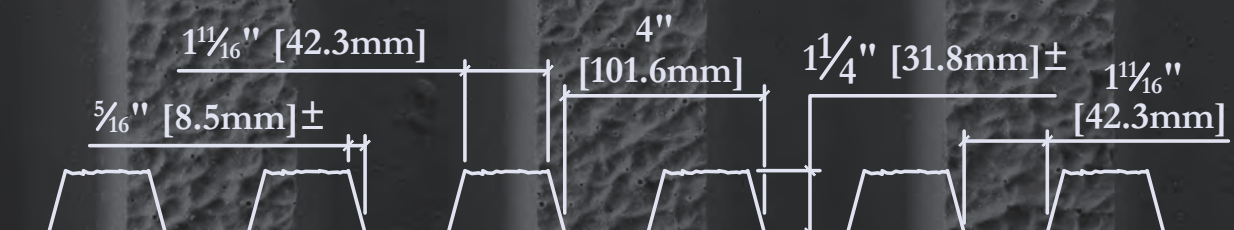
## #204 1.5" Architectural Rib





# #205 Flat Fractured Rib

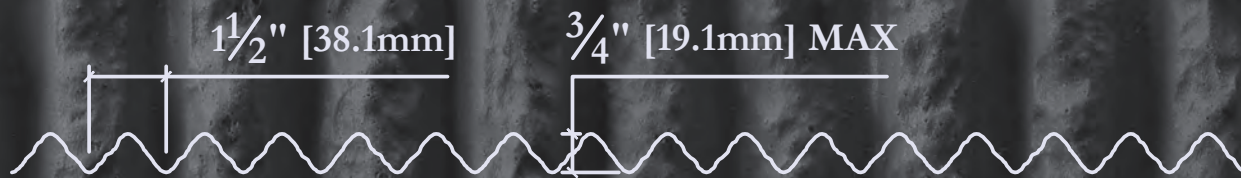
FRACTURED



Available in Elastomeric & HIPS



# #206 3/4" Standard Fractured Fin





# #207 1" Fractured Rope

FRACTURED



Available in Elastomeric & HIPS

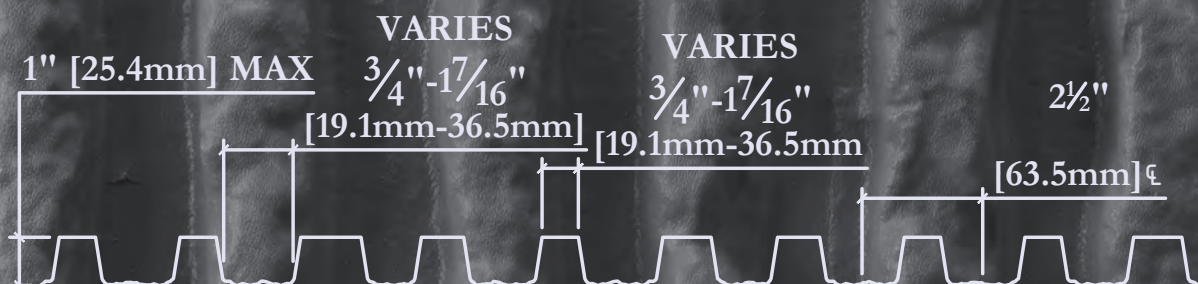






# #208 Wavy Carolina Rib

FRACTURED



Available in Elastomeric & HIPS



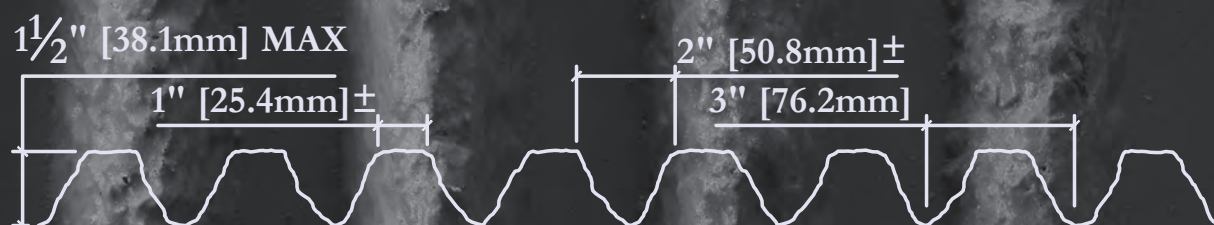
# #209 1/2" Fractured Fin





# #210 NY Fractured Fin

FRACTURED



Available in Elastomeric & HIPS

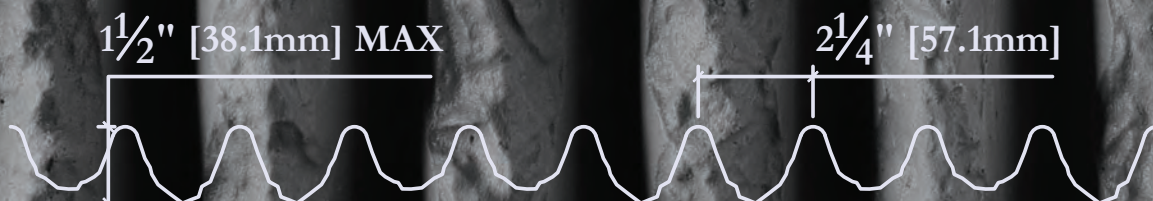






# #210A Broome County Fin

FRACTURED



Available in Elastomeric

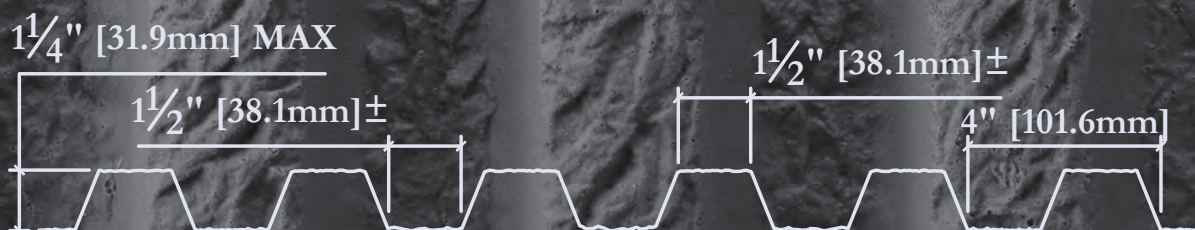






# #211 Sound Absorptive Broken 1' Ribs

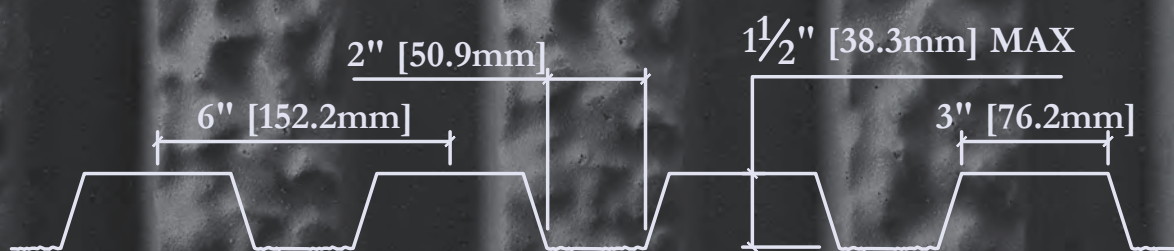
FRACTURED



Available in Elastomeric & HIPS



## #213 3" Fractured Flute

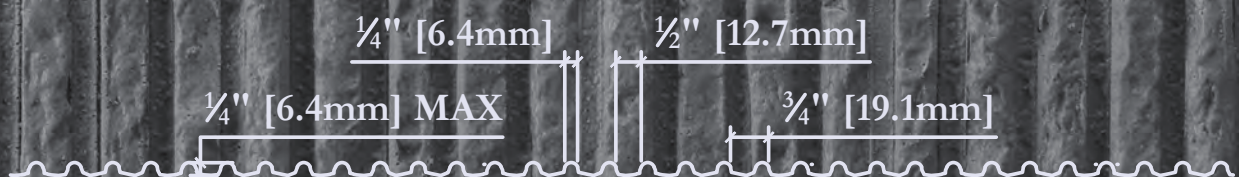


Available in Elastomeric &amp; HIPS



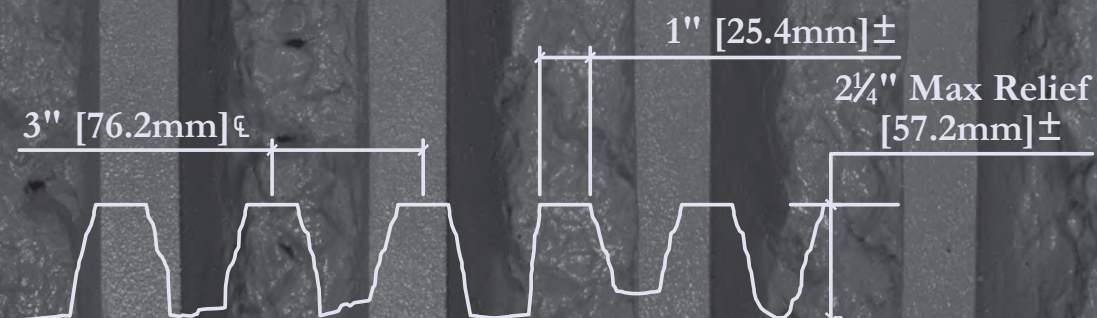
# #214 1/4" Standard Fractured Fin

FRACTURED





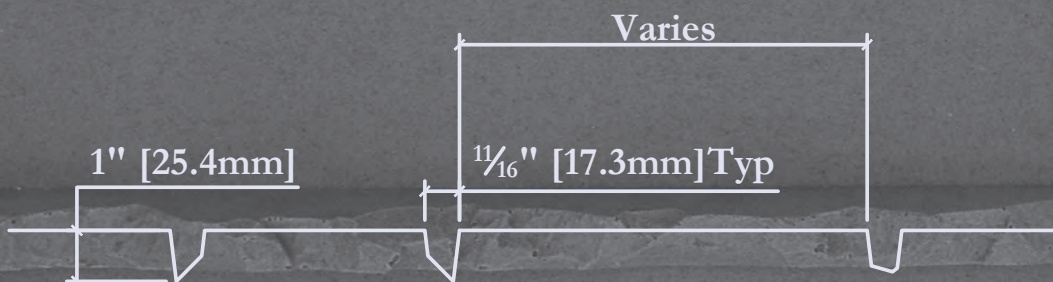
# #215 Walpole Flute





# #216 Upton

FRACTURED



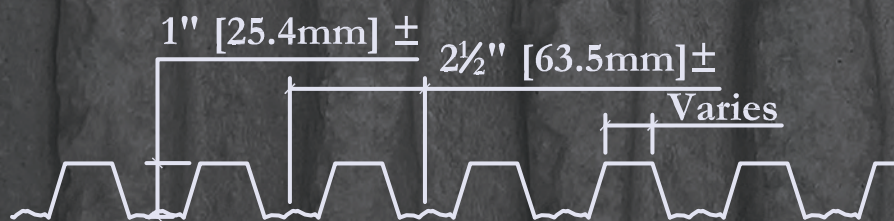






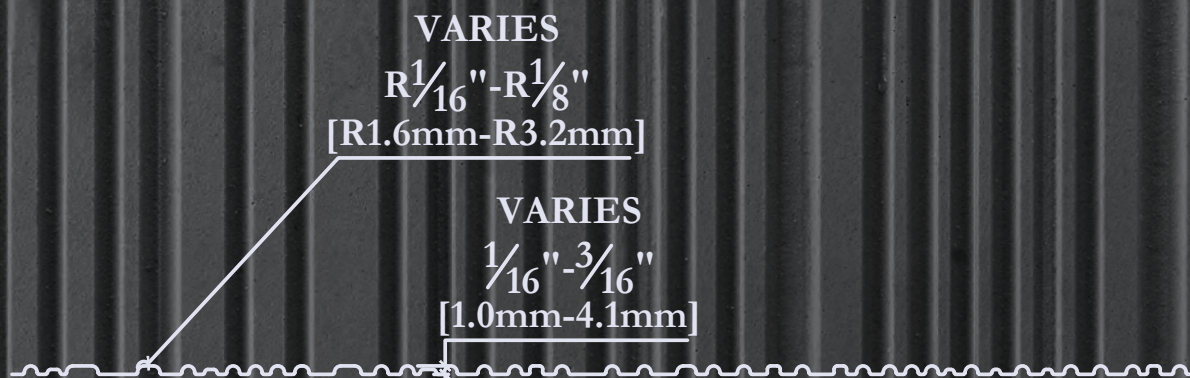
# #217 Wavy Dover Rib

FRACTURED





## #311A Random Striated Rib



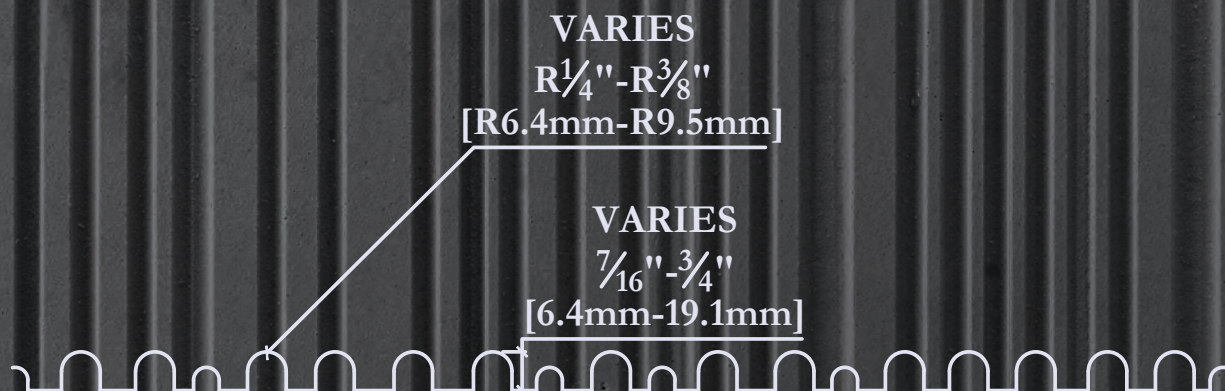


#311A Random Striated Rib





## #311B Random Striated Rib





# #311C Random Striated Rib







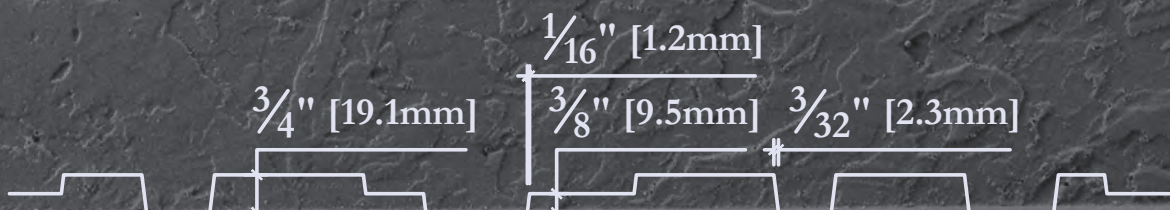


# #313 Salem

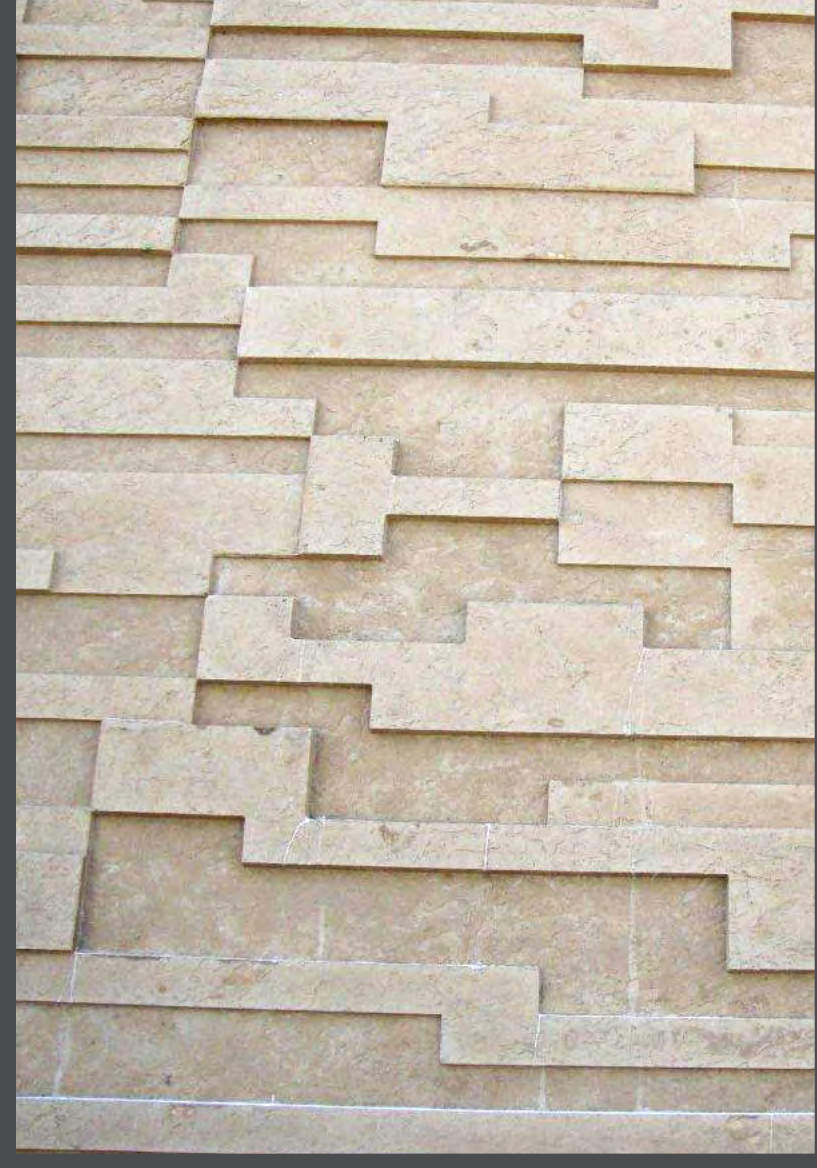




# #315 Braintree











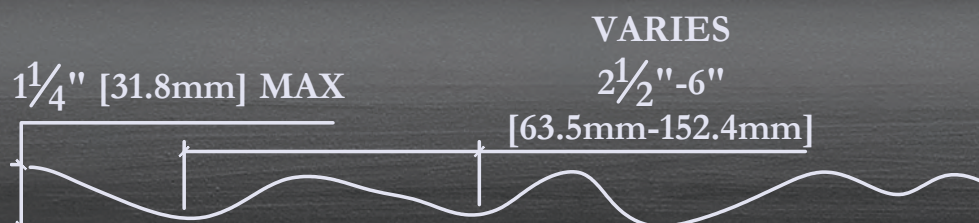


# #316 Random Board Smooth



Available in Elastomeric

# #317 1.25" Random Peaks & Valleys



Available in Elastomeric & HIPS

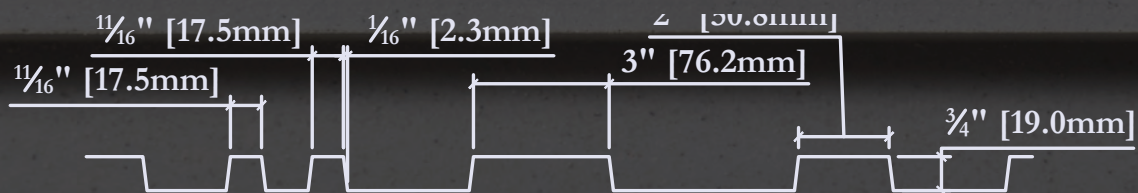


# #318 Chatham





## #322 JFD Random Flute



Available in Elastomeric & HIPS

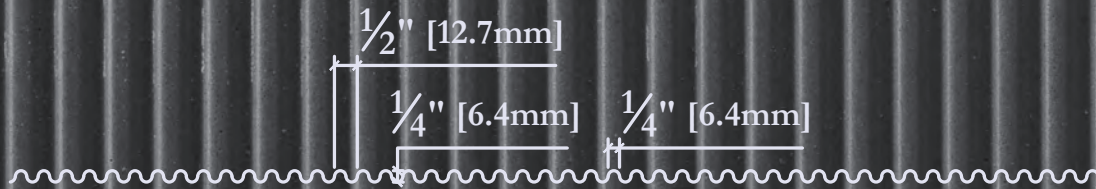
## #326 Varying Ribbed Roof



Available in Elastomeric & HIPS

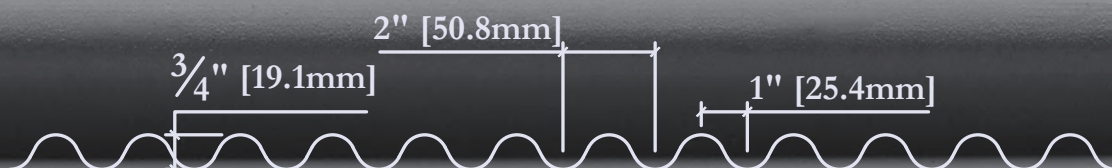


## #301 1/2" Sinewave



Available in Elastomeric & HIPS

## #319 3/4" Sinewave



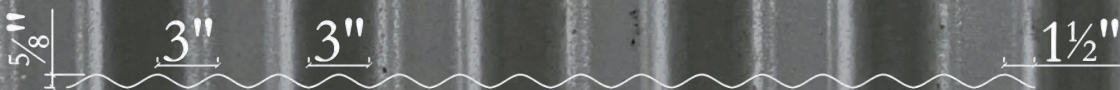


# #327 4" OC Corrugated 2" DOR



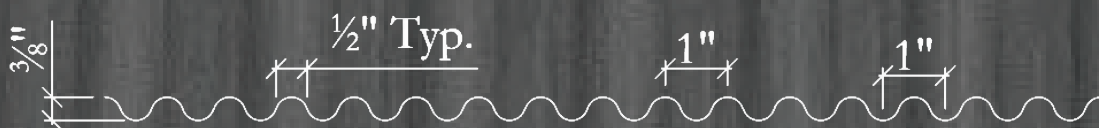


# #328 3" OC Corrugated 5/8" DOR



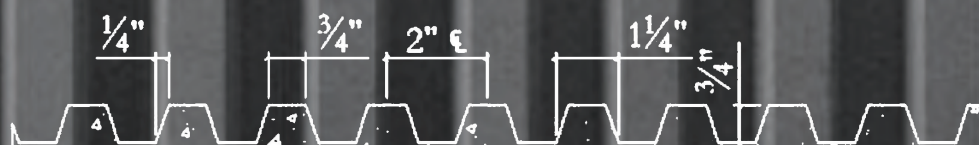


# #330 1" OC Sinewave 3/8" DOR





## #302A .75 Smooth Flute



Available in Elastomeric

## #302B .5 Smooth Flute



Available in Elastomeric & HIPS





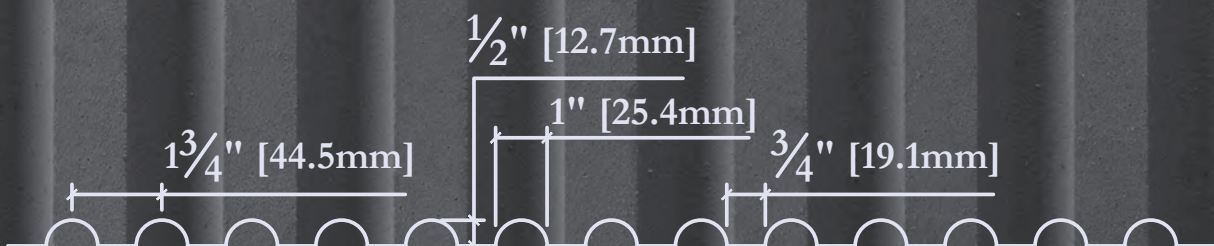


## #303 3" Fin



Available in Elastomeric & HIPS

## #304 Wyeth Aherst Rib

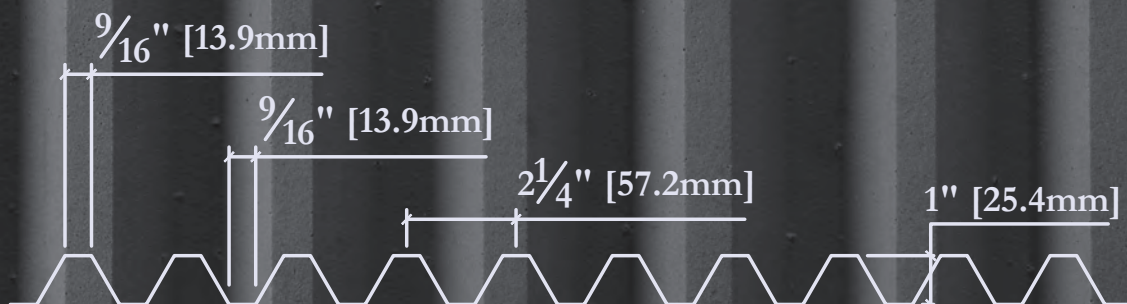


Available in Elastomeric & HIPS



# #307 1" Smooth Flute 2 1/4" O.C.

RHYTHMIC SYMMETRICAL



Available in Elastomeric & HIPS



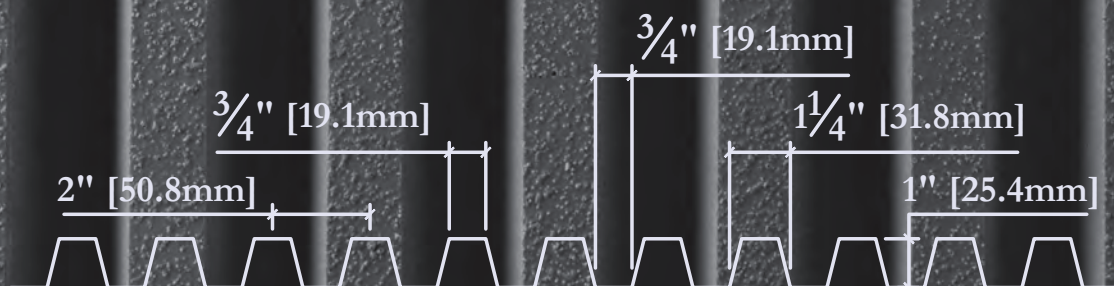
#309 1" Light Textured Flute





# #309 Light Textured Flute

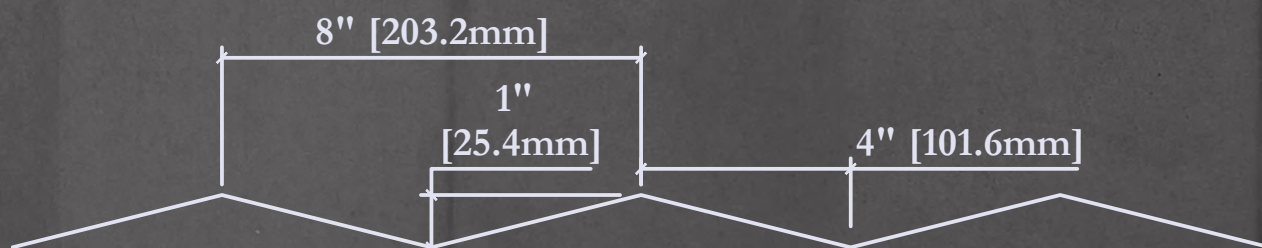
RHYTHMIC SYMMETRICAL



Available in Elastomeric & HIPS



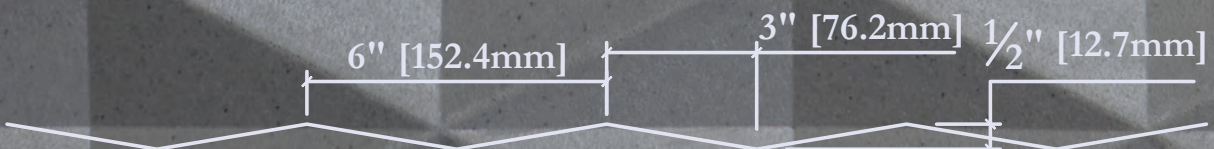
# #310 Pyramid Flute 8" O.C.





# #314 Geo Diamonds

RHYTHMIC SYMMETRICAL



Available in Elastomeric & HIPS



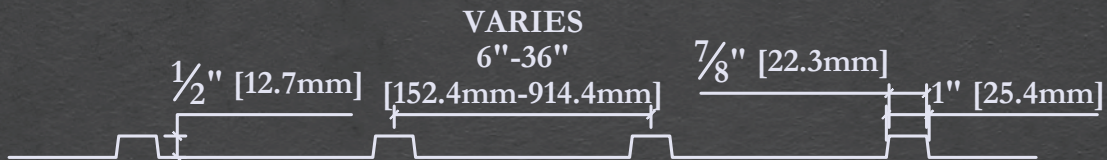








## #321 Chelmsford



Available in Elastomeric & HIPS

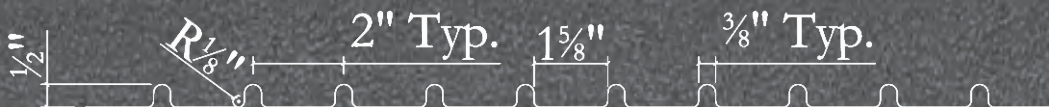
## #323 Fine Scored Rib





#329 .375 Rib 2" OC

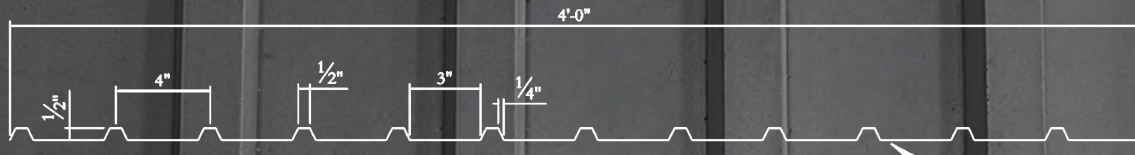
RHYTHMIC SYMMETRICAL



Available in Elastomeric

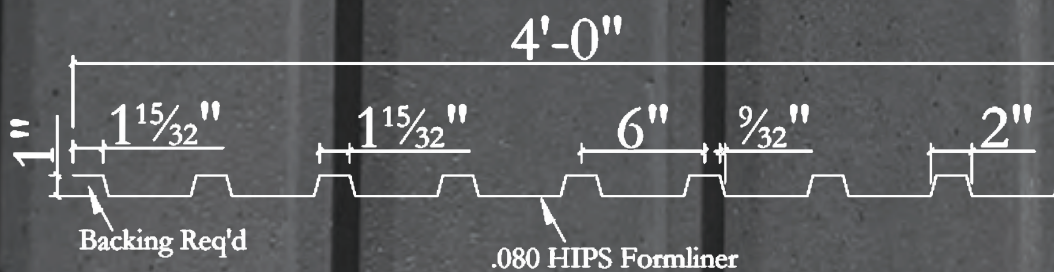


# #331 1" Rib 4" O.C. 0.5" DOR



Available in Elastomeric

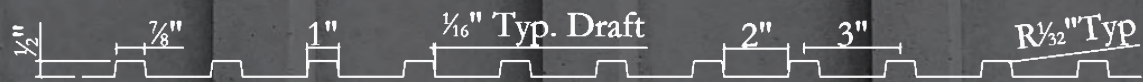
# #332 2" Rib 6" O.C. 1" DOR



Available in Elastomeric



# #338 1" Rib 3" O.C. .5" DOR



Available in Elastomeric

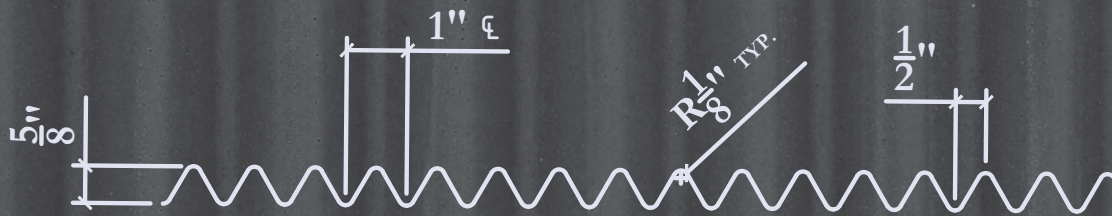
# #339 2" Rib 4" O.C. .5" DOR



Available in Elastomeric



# #325 Granby



Available in Elastomeric & HIPS

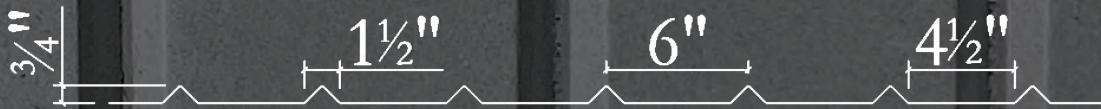
# #335 .5" V-Groove 8' O.C.



Available in Elastomeric

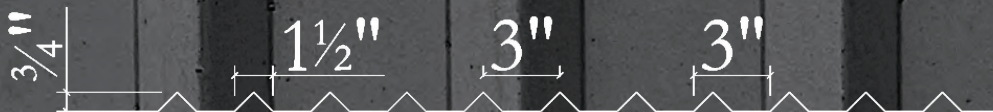


## #336 .75" V-Groove 6" O.C.



Available in Elastomeric

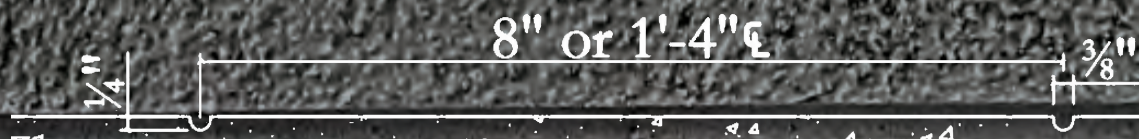
## #337 1.5" V-Groove 3" O.C.



Available in Elastomeric

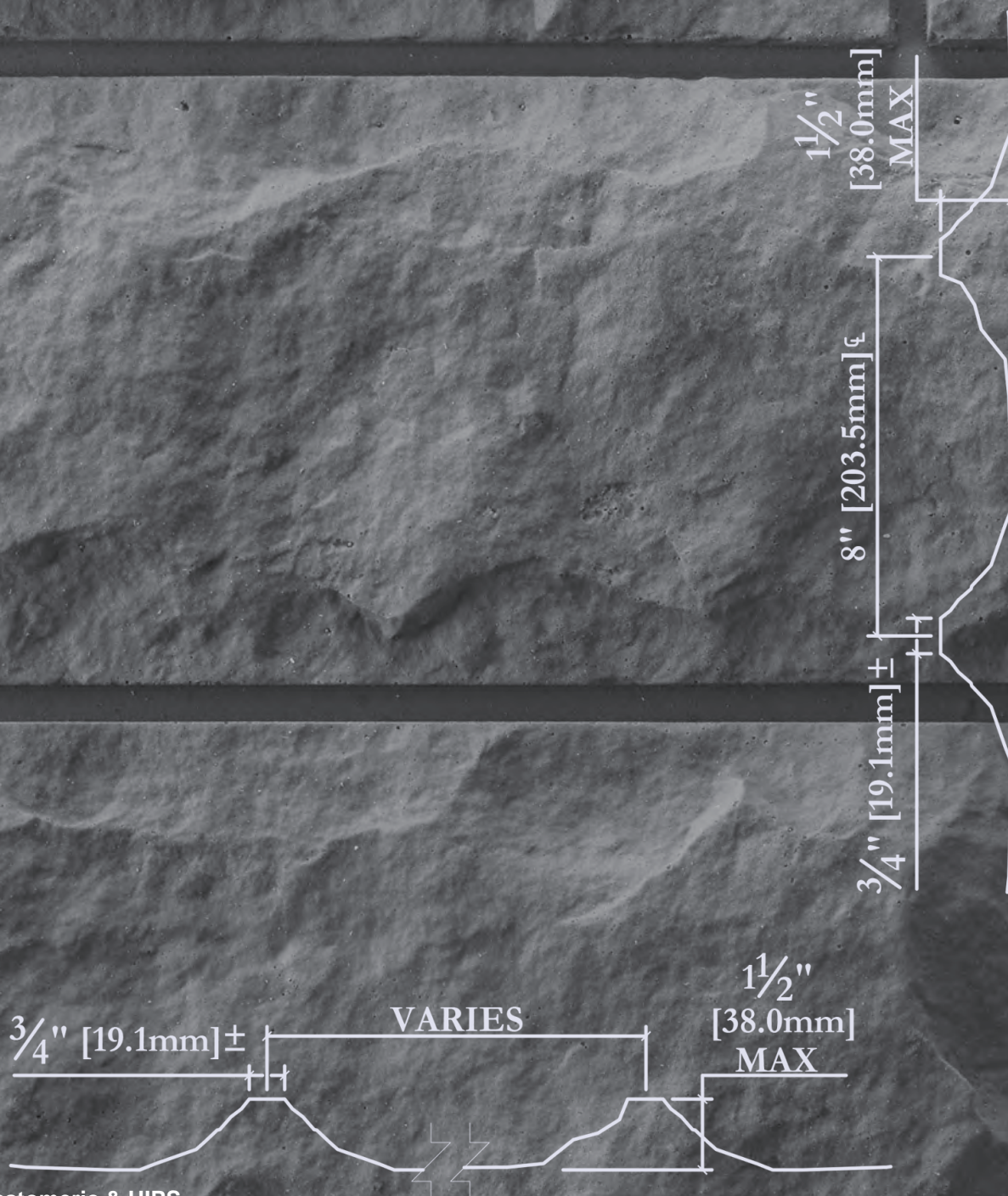


# #887 Light-Textured Block





# #889 8" Quarry Stone





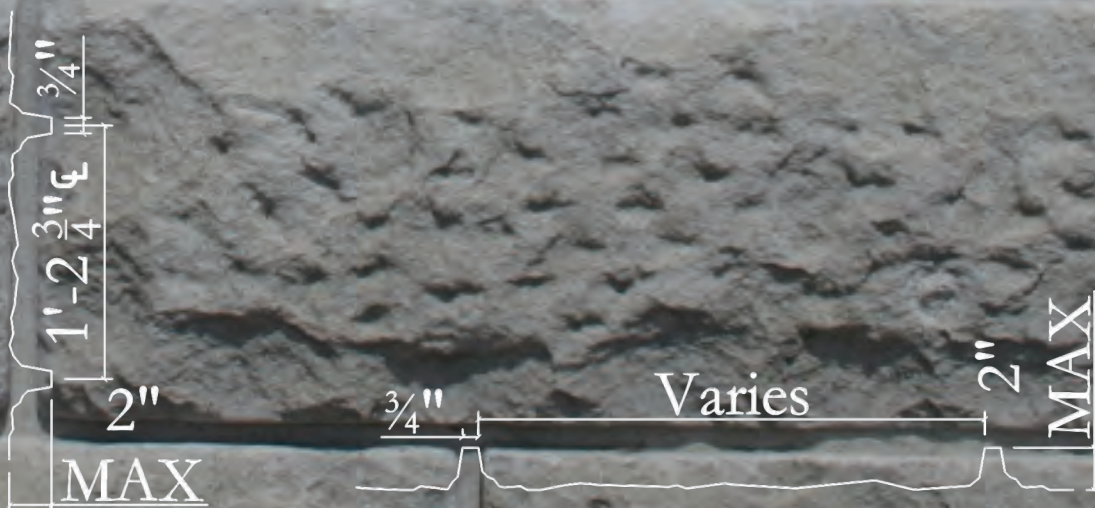
#889 8" Quarry Stone





# #890 14-3/4" Horseheads Quarry Stone

STONE & BLOCK



Available in Elastomeric



# #891A 2-1/4" Riverstone

2 1/4" [57.2mm] MAX

STONE SIZE

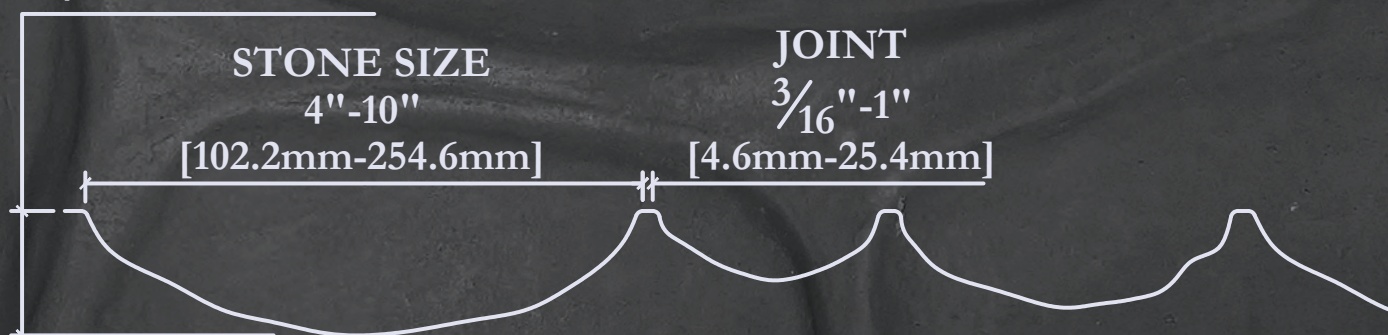
4"-10"

[102.2mm-254.6mm]

JOINT

3/16"-1"

[4.6mm-25.4mm]







#891A 2-1/4" River Stone



# #891C 1-1/4" Riverstone

1 1/4" [31.7mm] MAX

STONE SIZE

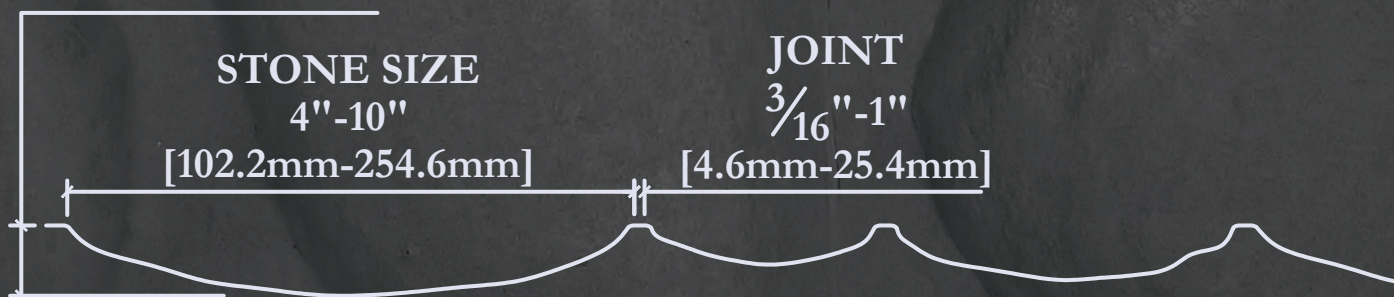
4"-10"

[102.2mm-254.6mm]

JOINT

3/16"-1"

[4.6mm-25.4mm]

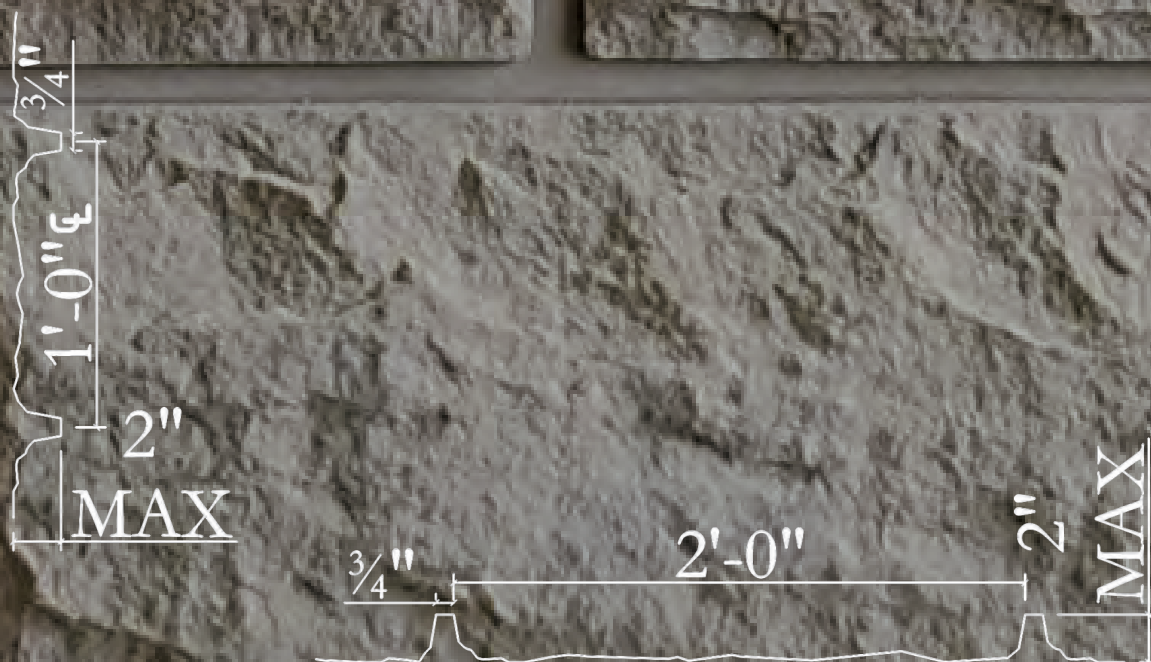






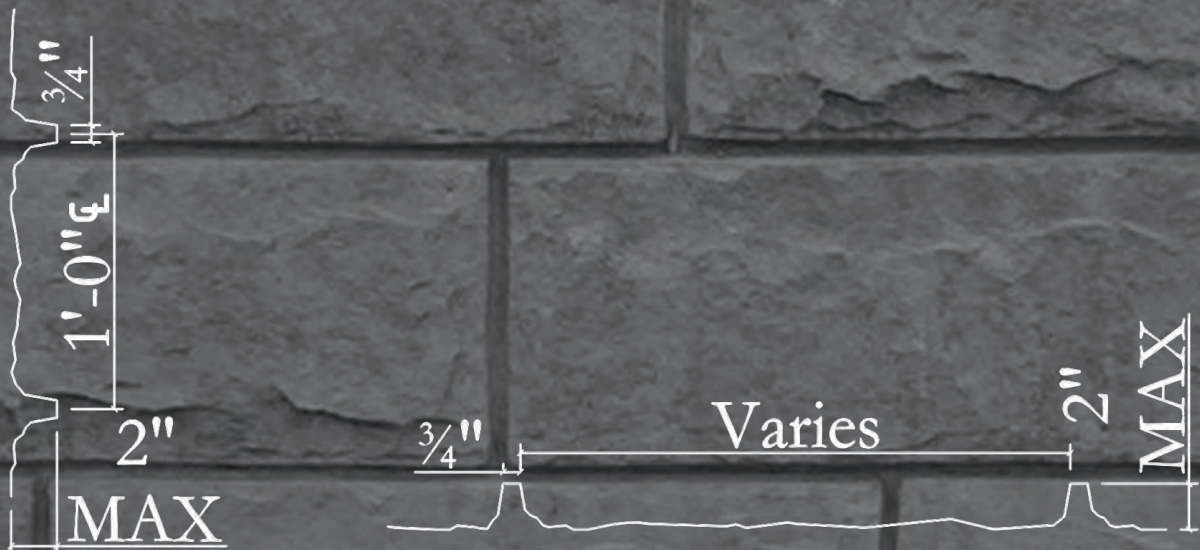


# #892A 12" Quarry Stone Half Running Bond



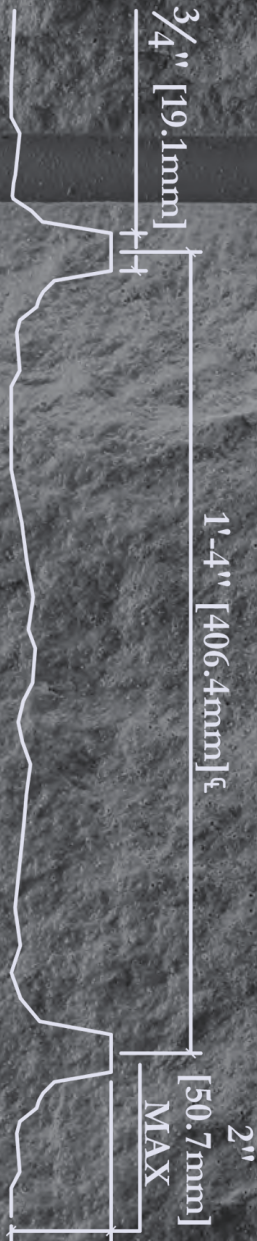


# #892B 12" Quarry Stone Random Bond





# #894 16" Quarry Stone



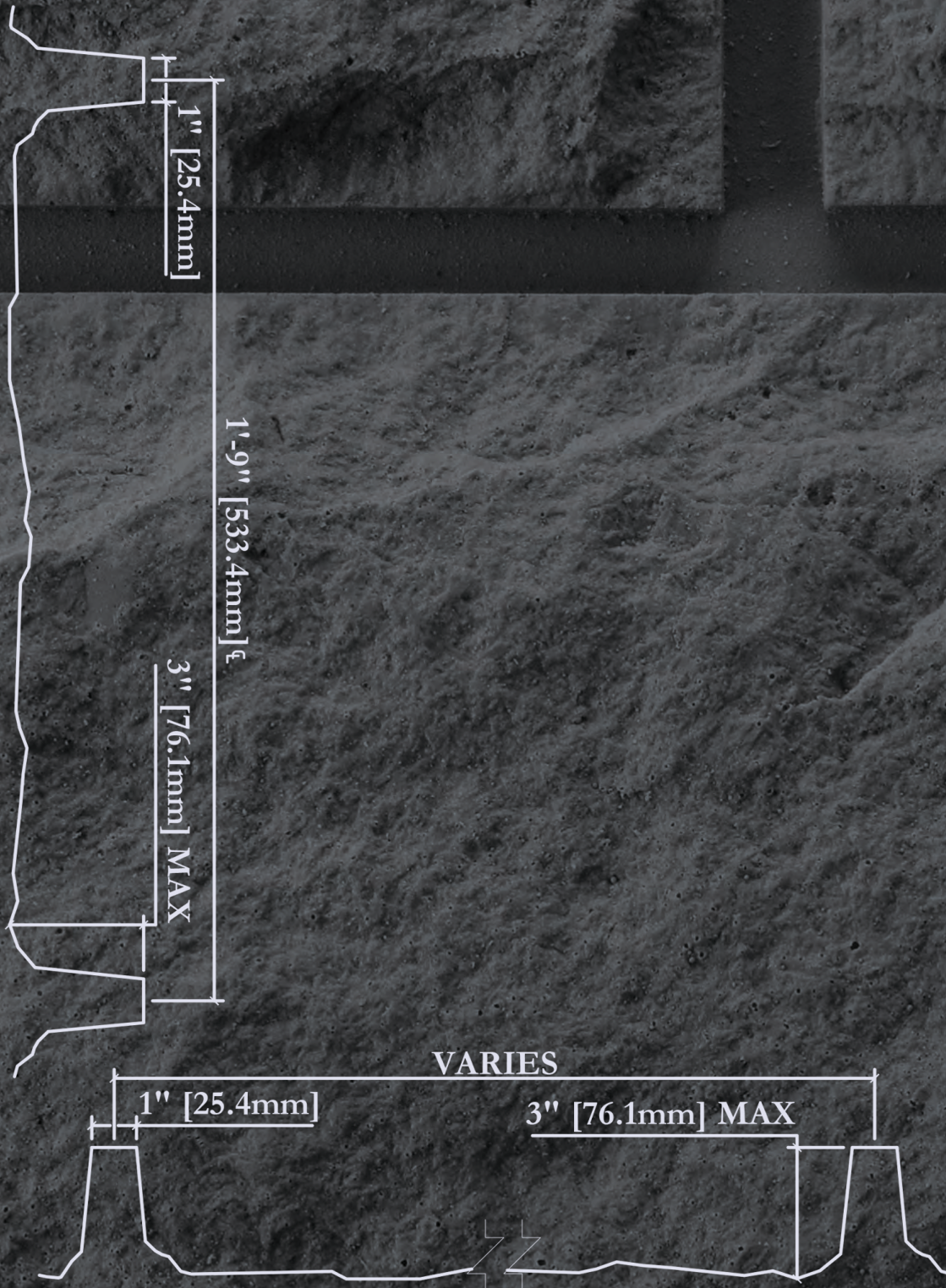






# #895 21" Quarry Stone

STONE & BLOCK

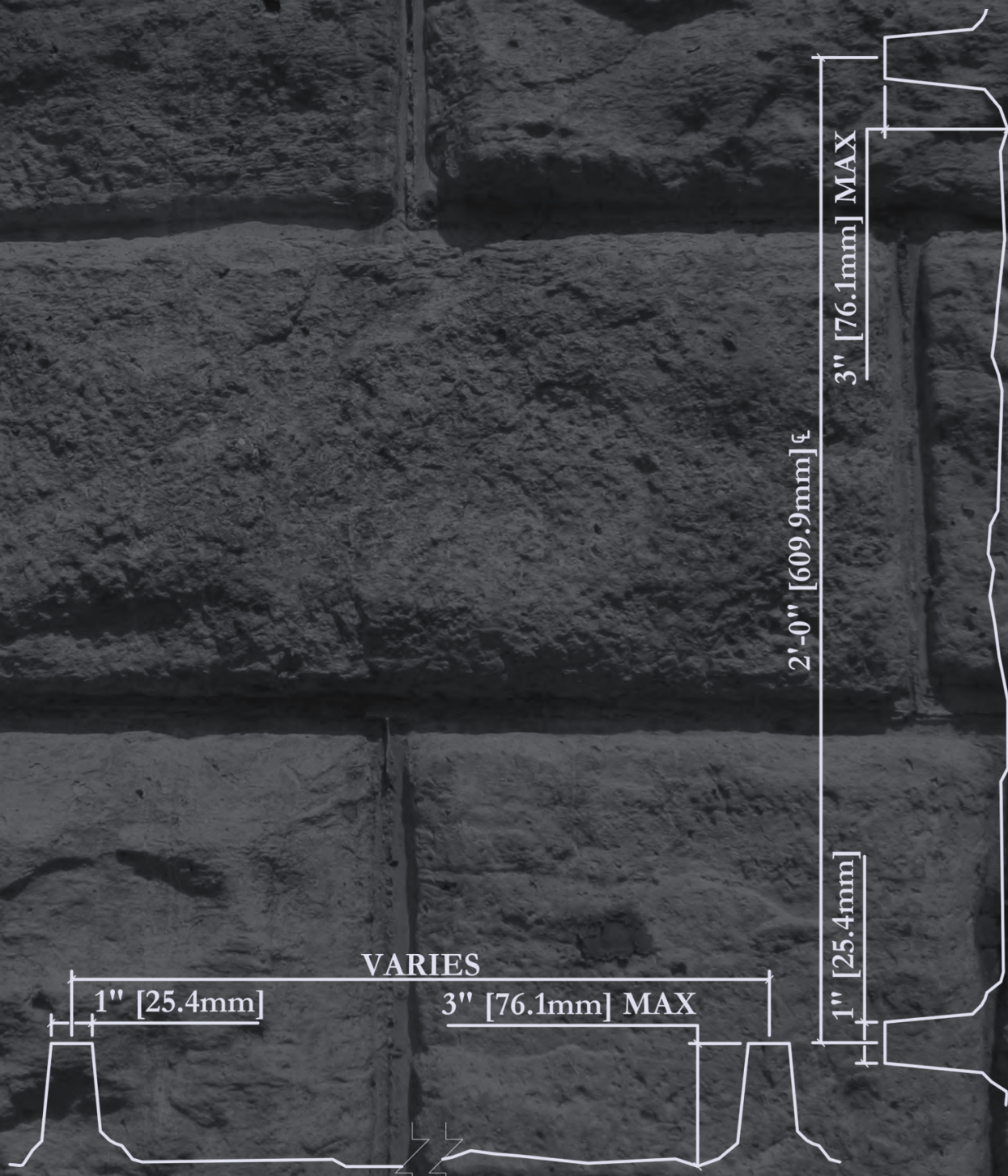








# #896 24" Quarry Stone

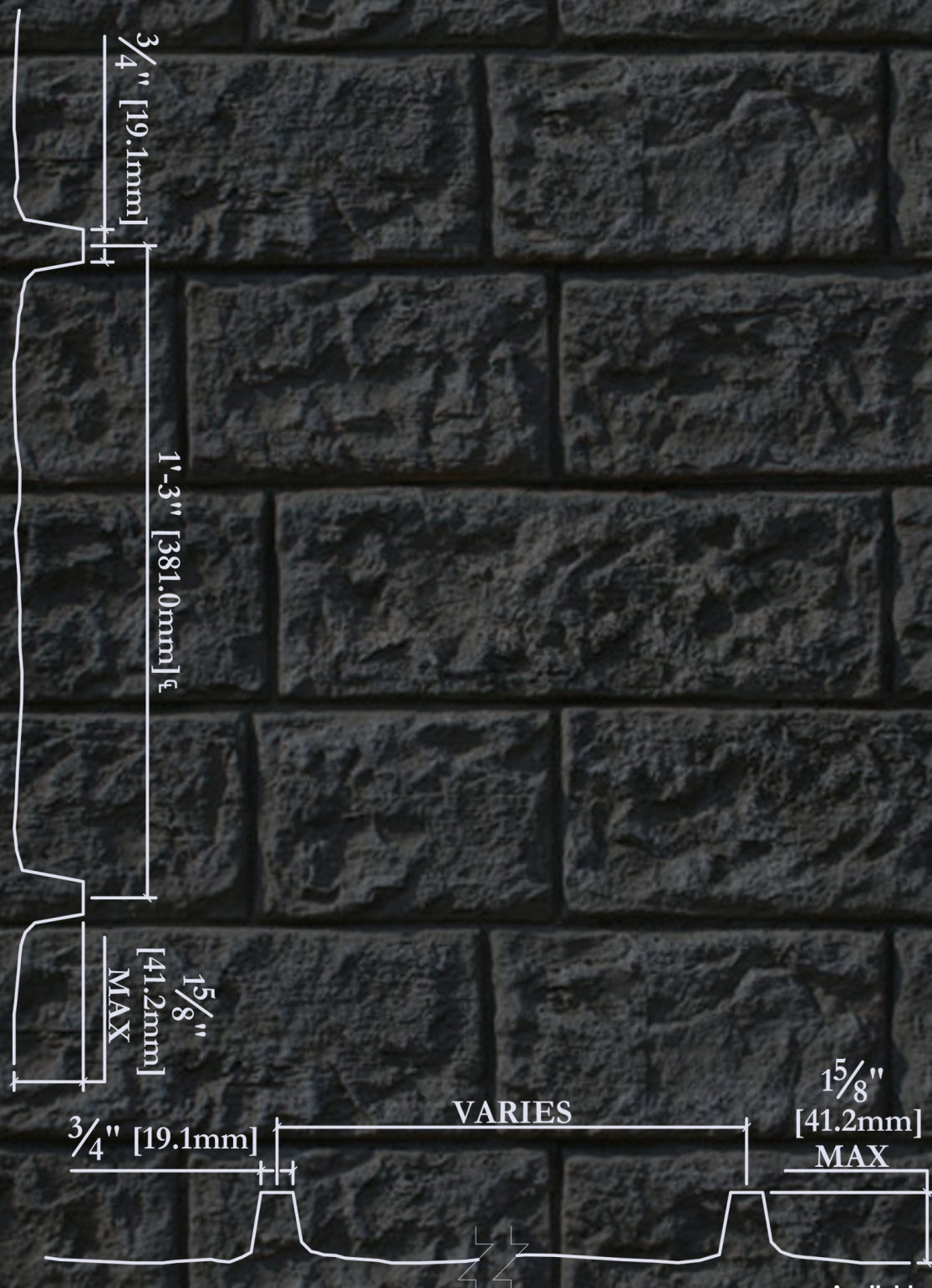








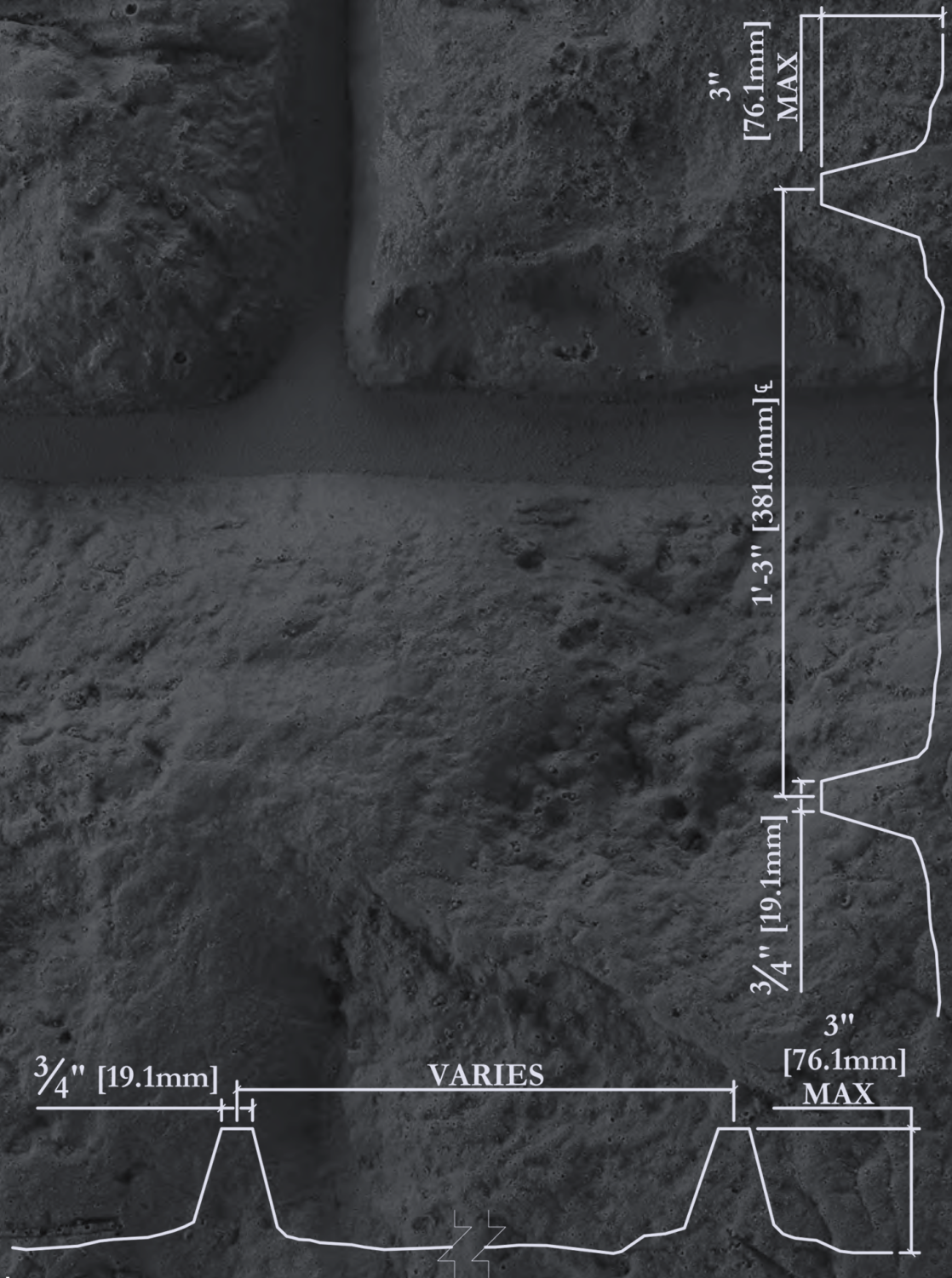
# #897A 14-3/4" Rustic Quarried 1 5/8"



Available in Elastomeric & HIPS



# #897B 14-3/4" Rustic Quarried 3"





# #898 Rustic Ashlar Stone

VARIES

$1\frac{1}{4}"$  [32.0mm] MAX



# #898A 3/4" Relief Rustic Ashlar Stone

STONE & BLOCK

VARIES

3/4" MAX.

Available in HIPS

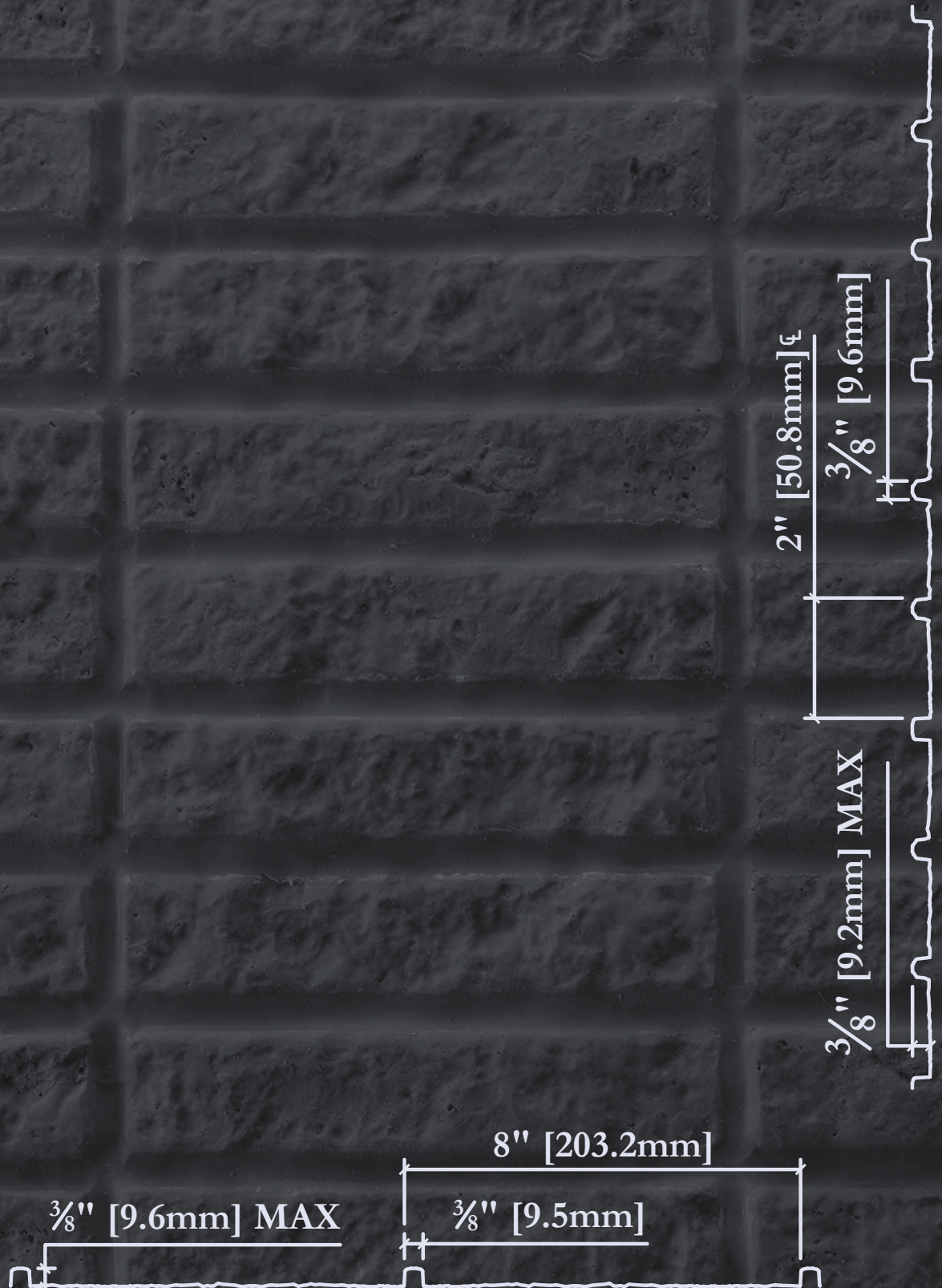


# #899 Appalachian Ashlar





# #900 2"x8" Split Block



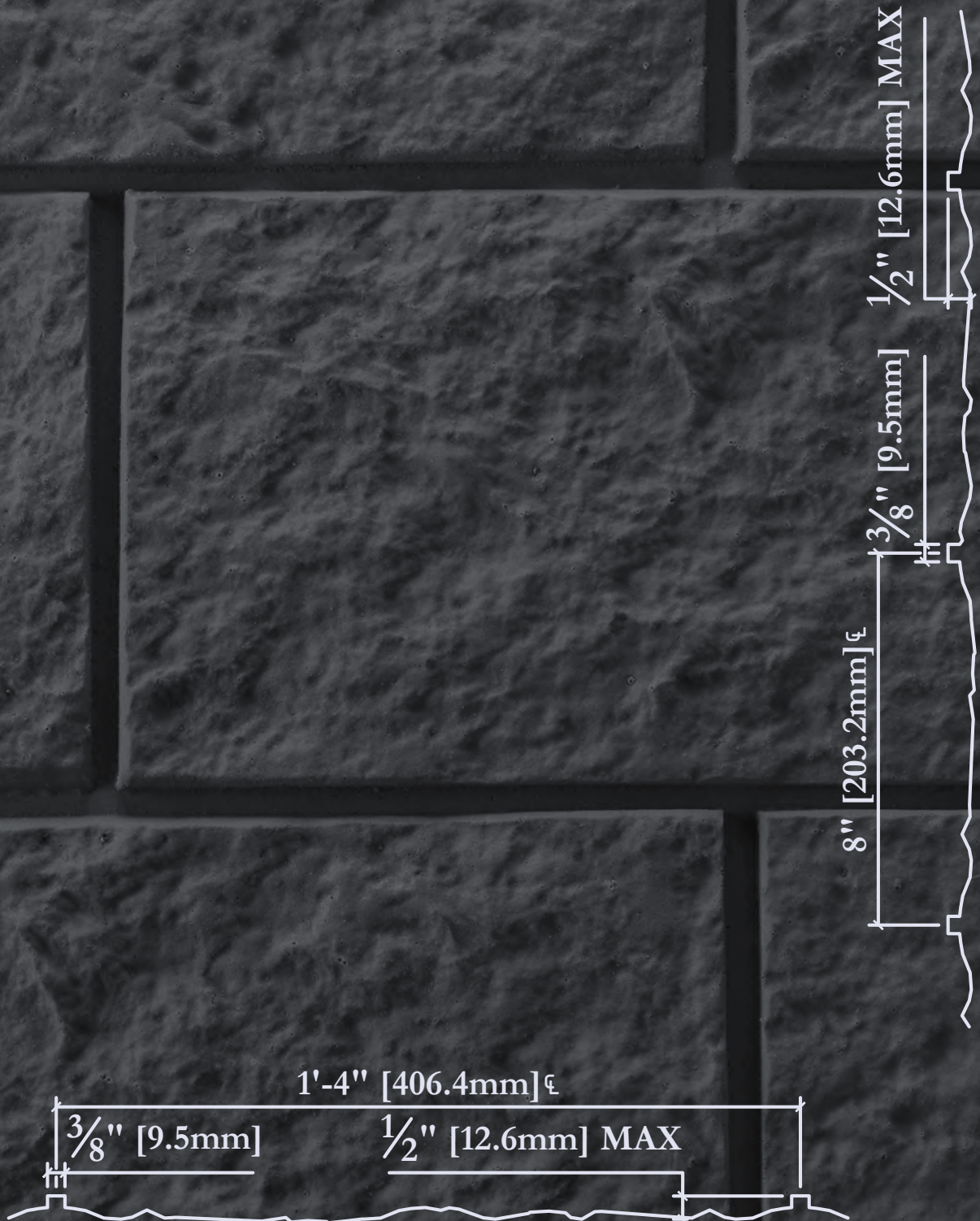


# #901A 8"x16" Split Block (Concave)





# #901B 8"x16" Split Block (Raked)

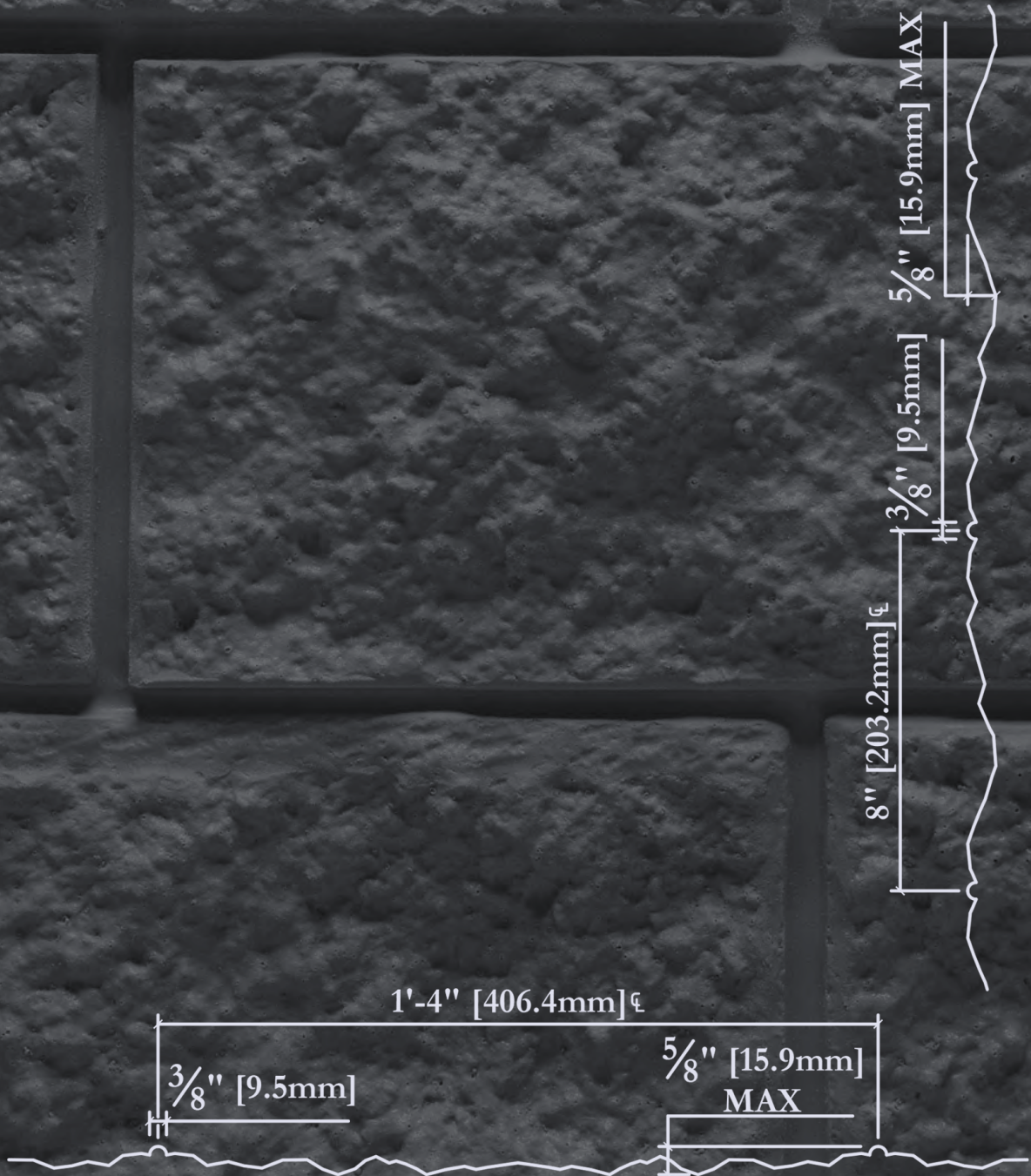






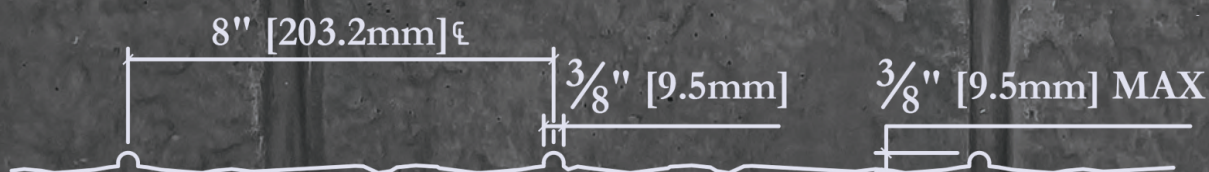
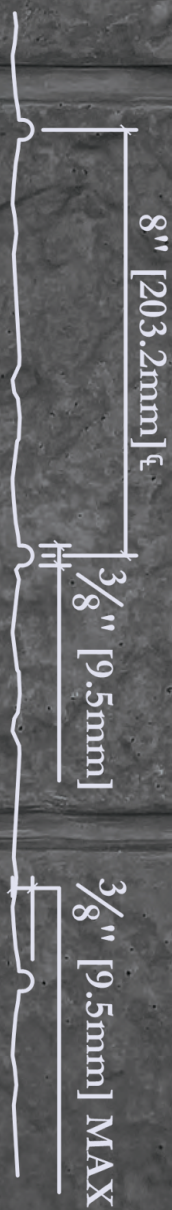


# #901C 8"x16" Split Block Heavy Relief (Concave)





# #903 8"x8" Split Block





# #904 1-1/2" Ashlar Stone

$\frac{3}{4}"$  [19.1mm]

$1\frac{1}{2}"$  [37.9mm] MAX

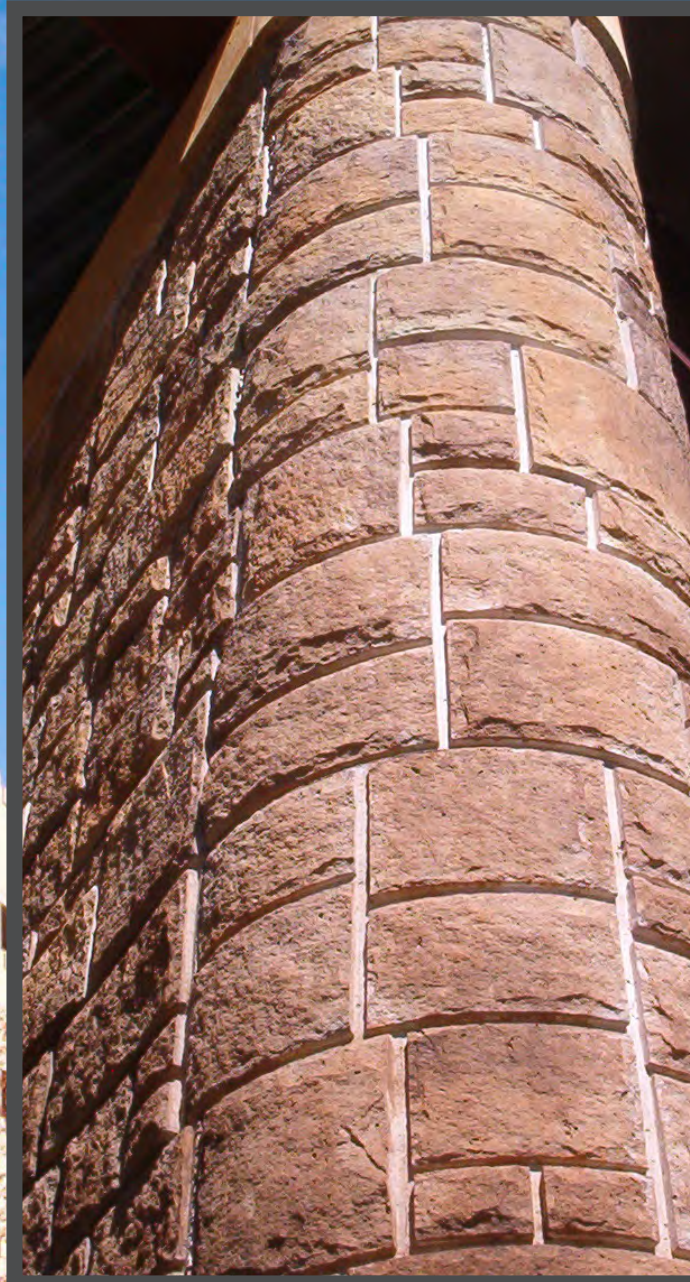
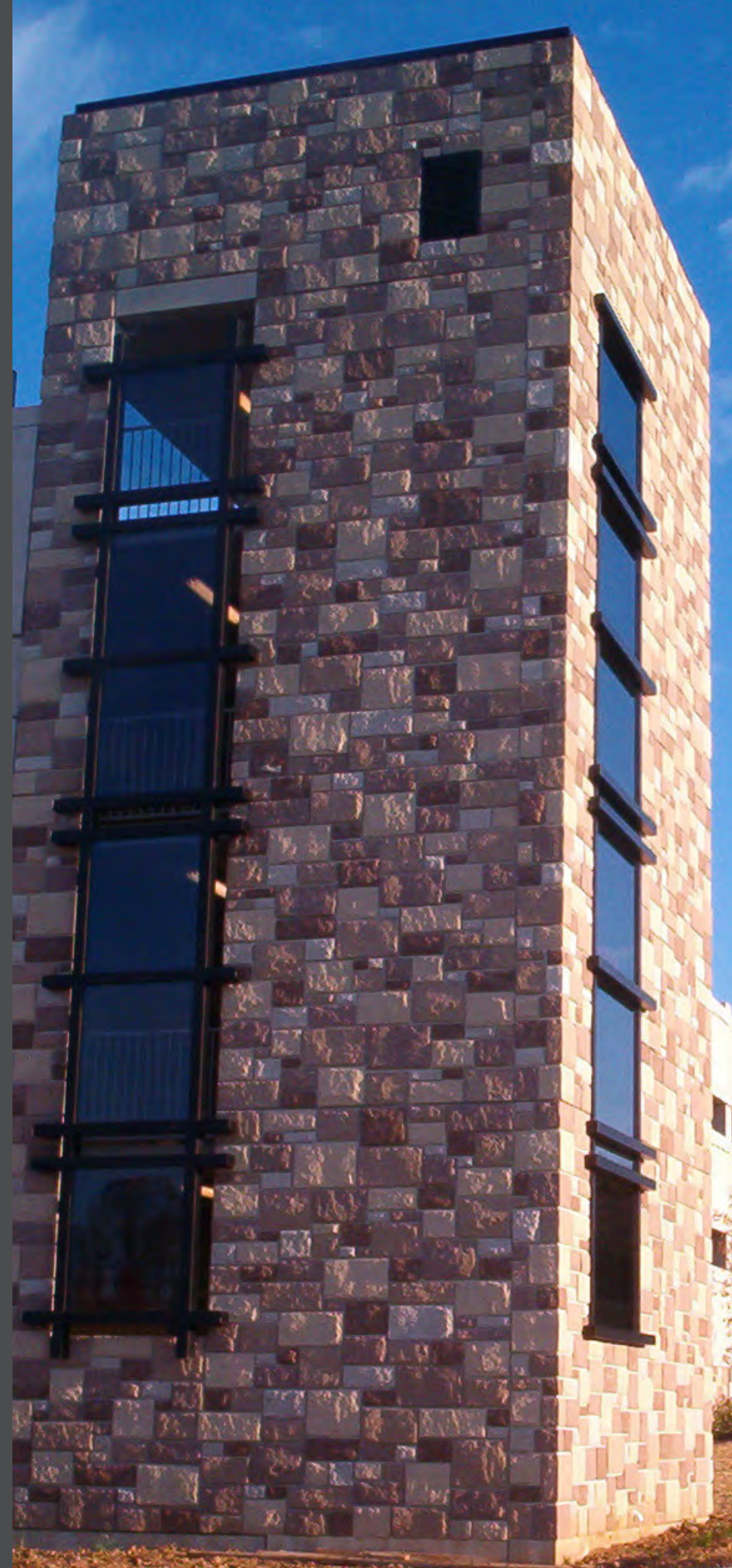
Available in Elastomeric & HIPS





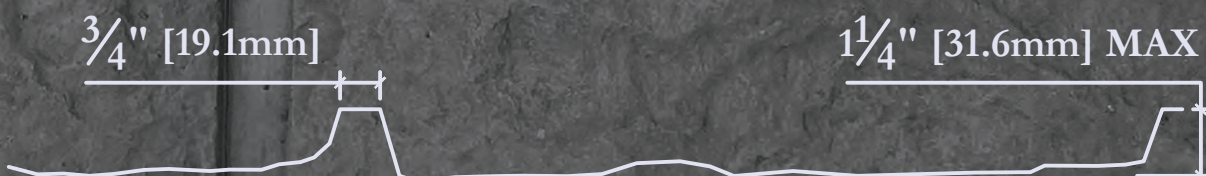
#905 Small Aged Ashlar Stone








# #905 Small Aged Ashlar Stone







#907 Coral Ashlar Stone



## #906 Ashlar Stone Heavy Cut

2" [50.8mm] MAX

1" [25.3mm]



# #907 Coral Ashlar Stone

STONE & BLOCK

$\frac{1}{2}$ " [12.7mm] MAX

$\frac{5}{8}$ " [16.0mm]

Available in Elastomeric & HIPS



# #908 BQE Old Cut Ashlar Stone

1½" [38.1mm] MAX

¾" [19.0mm]



# #911 Large Stone Drystack







Various Projects  
#911 Large Stone Drystack





# #911A Large Stone Drystack

STONE & BLOCK

1" [25.4mm] MAX

VARIES

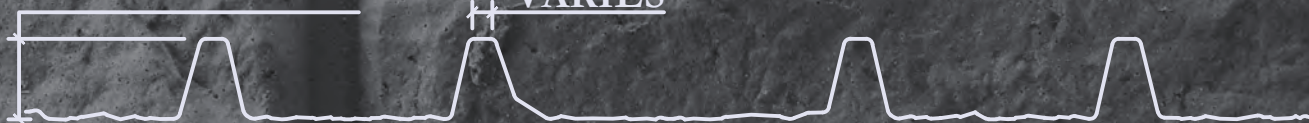
Available in Elastomeric & HIPS



# #911B Large Stone Drystack

1½" [38.1mm] MAX

VARIES





# #9110 Large Stone Ohio Drystack

1 3/4" [44.5mm] MAX

VARIES

Available in Elastomeric & HIPS







# #912 Valley Forge Fieldstone

STONE & BLOCK

1½" [38.1mm] MAX



VARIES

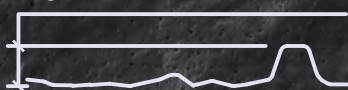


Available in Elastomeric & HIPS



# #912A Valley Forge Fieldstone 3/4" Relief

3/4" [19.1mm] MAX



VARIES

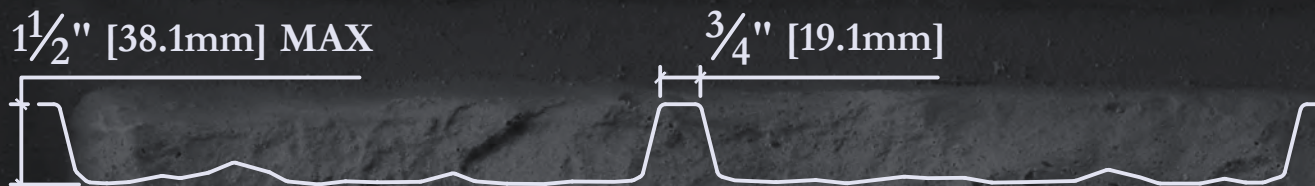






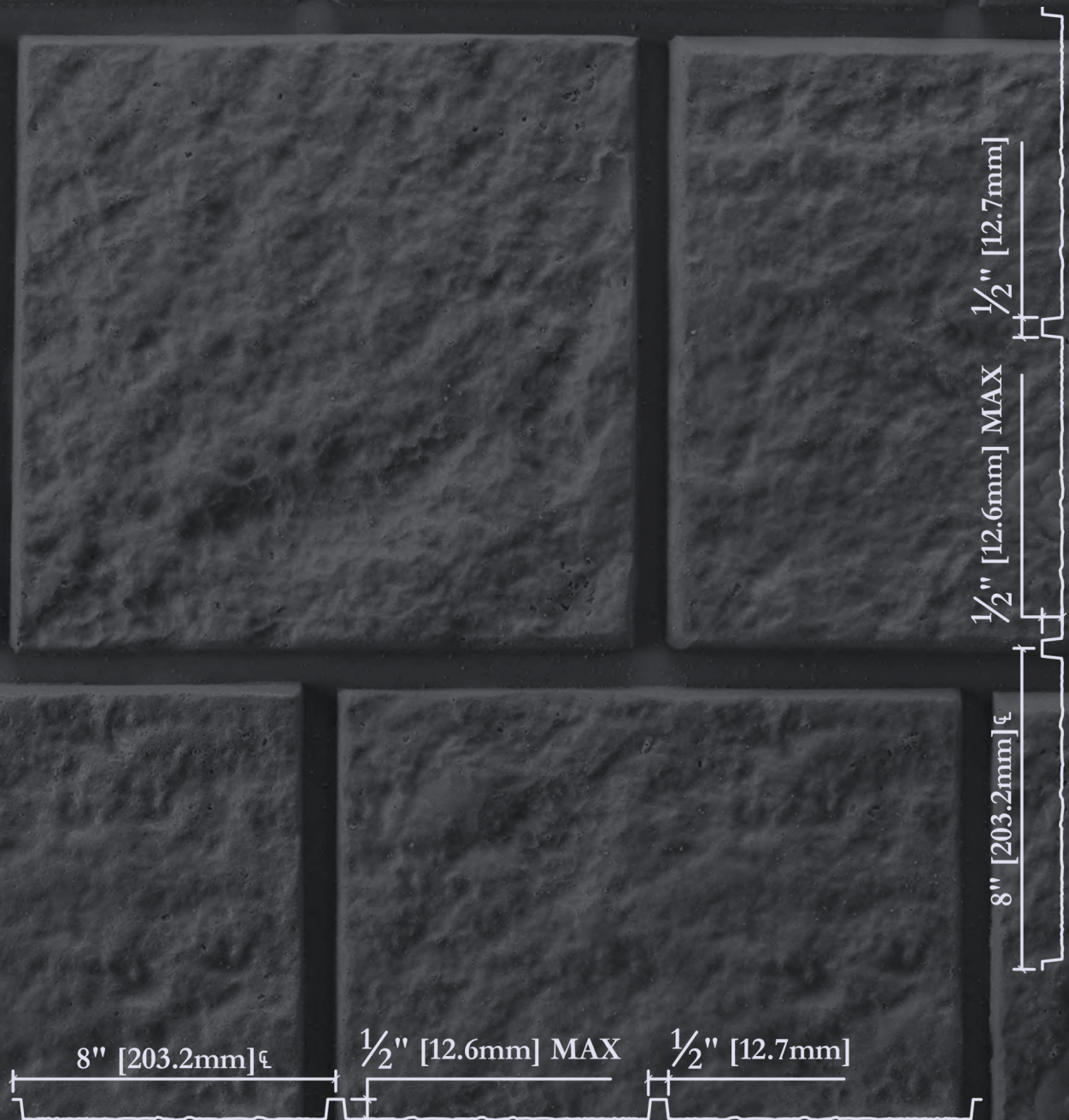


# #913 New York DOT Ashlar



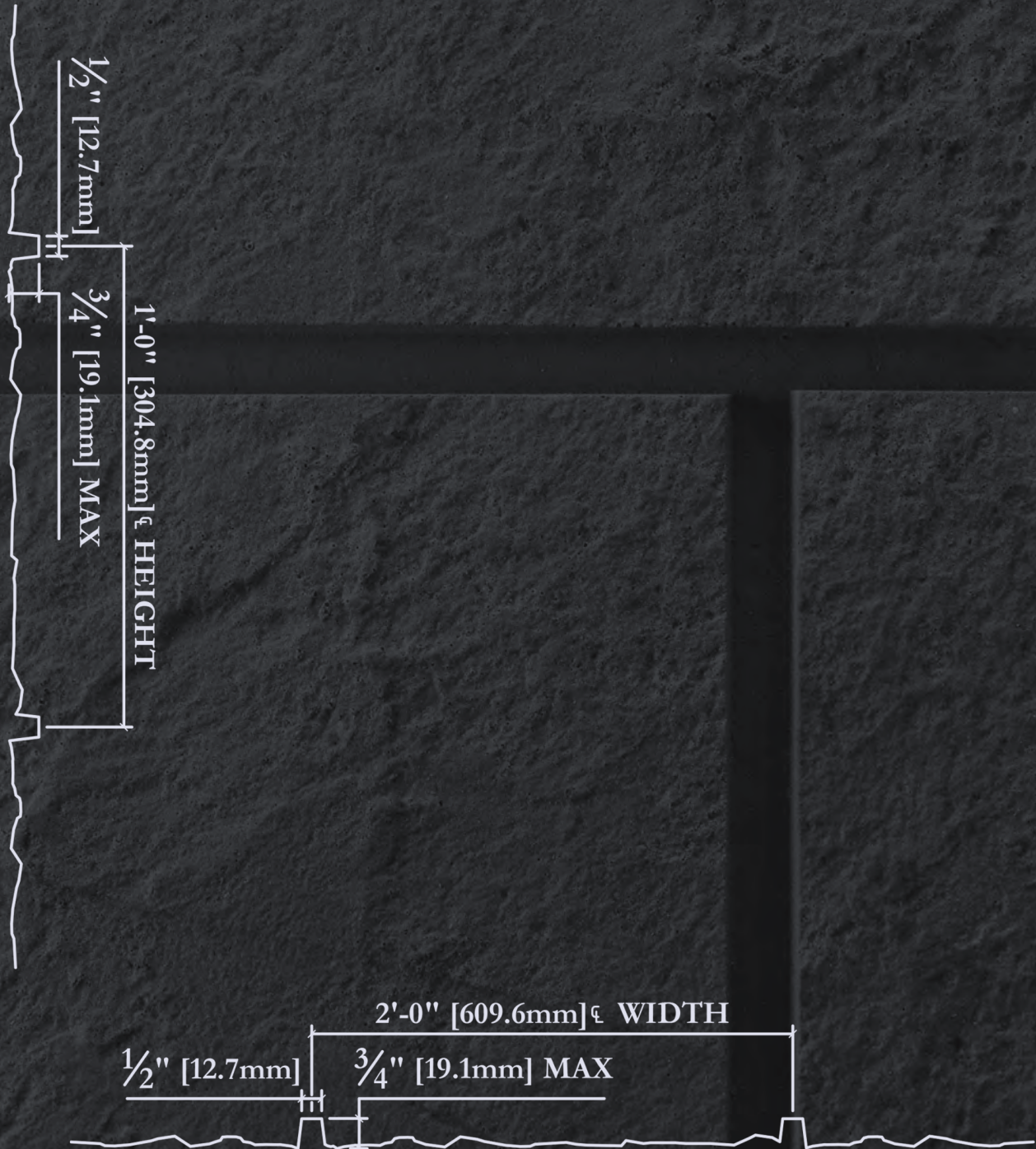


# #917 8"x8" Split Block Running Bond

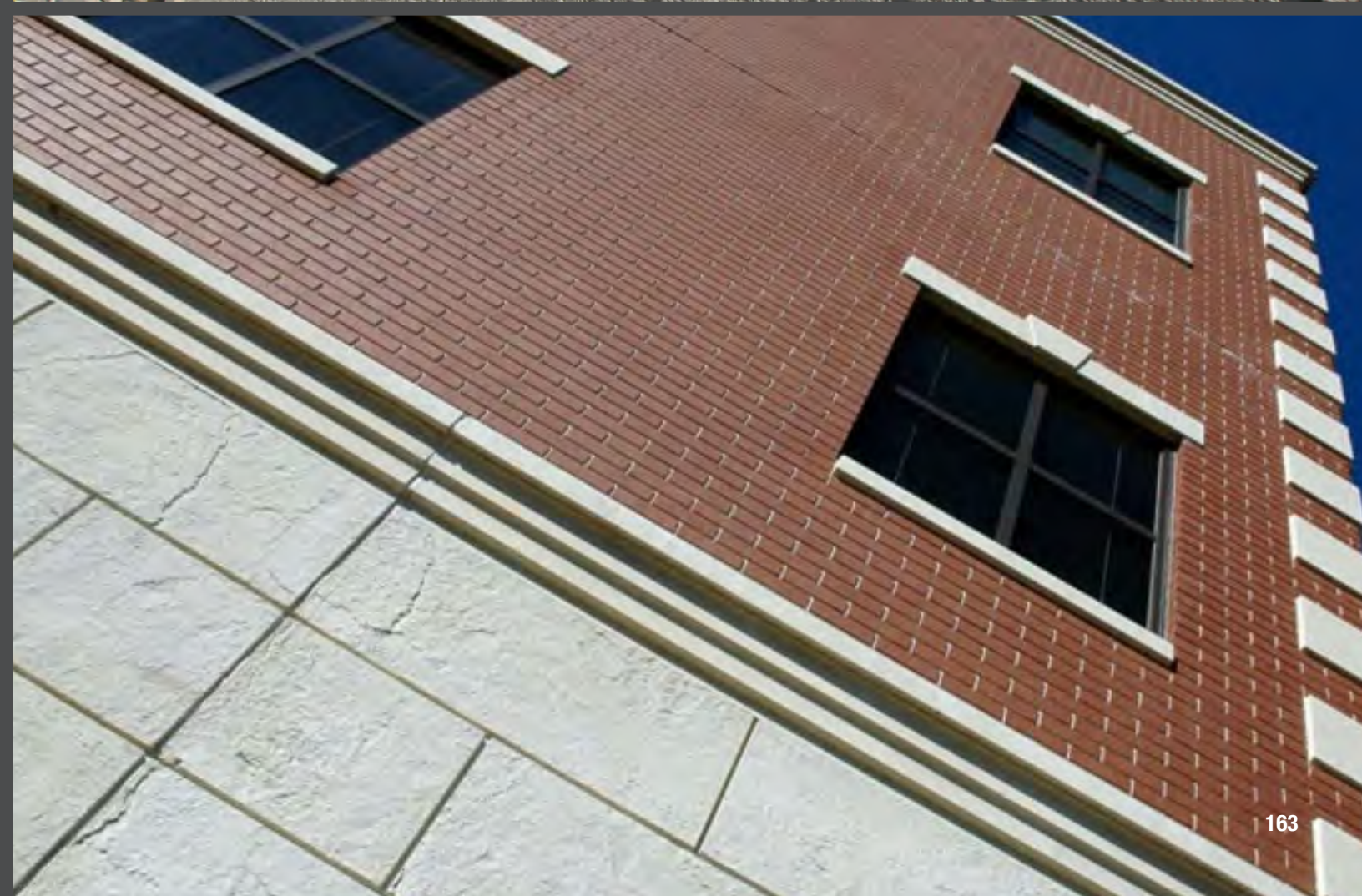




# #918 12"x24" Split Limestone Running Bond

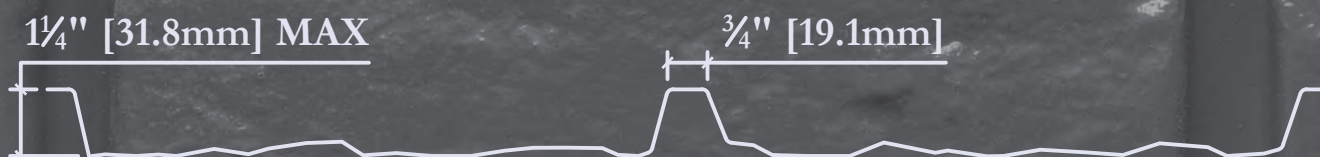








# #919 Weathered Cut Ashlar









## #921 Split Slate

$\frac{1}{4}$ " [6.3mm] MAX



# #922 Cleaved Limestone

$\frac{1}{2}$ " [12.7mm] MAX



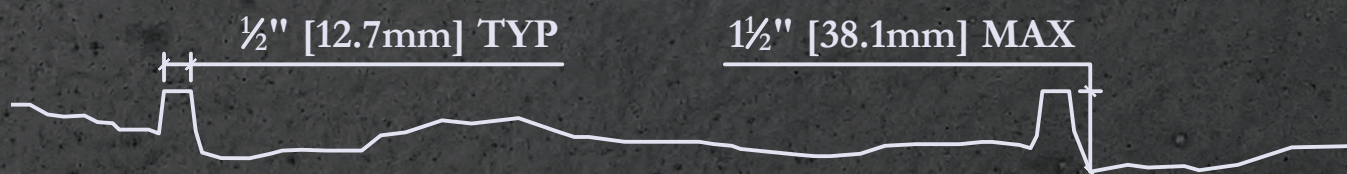






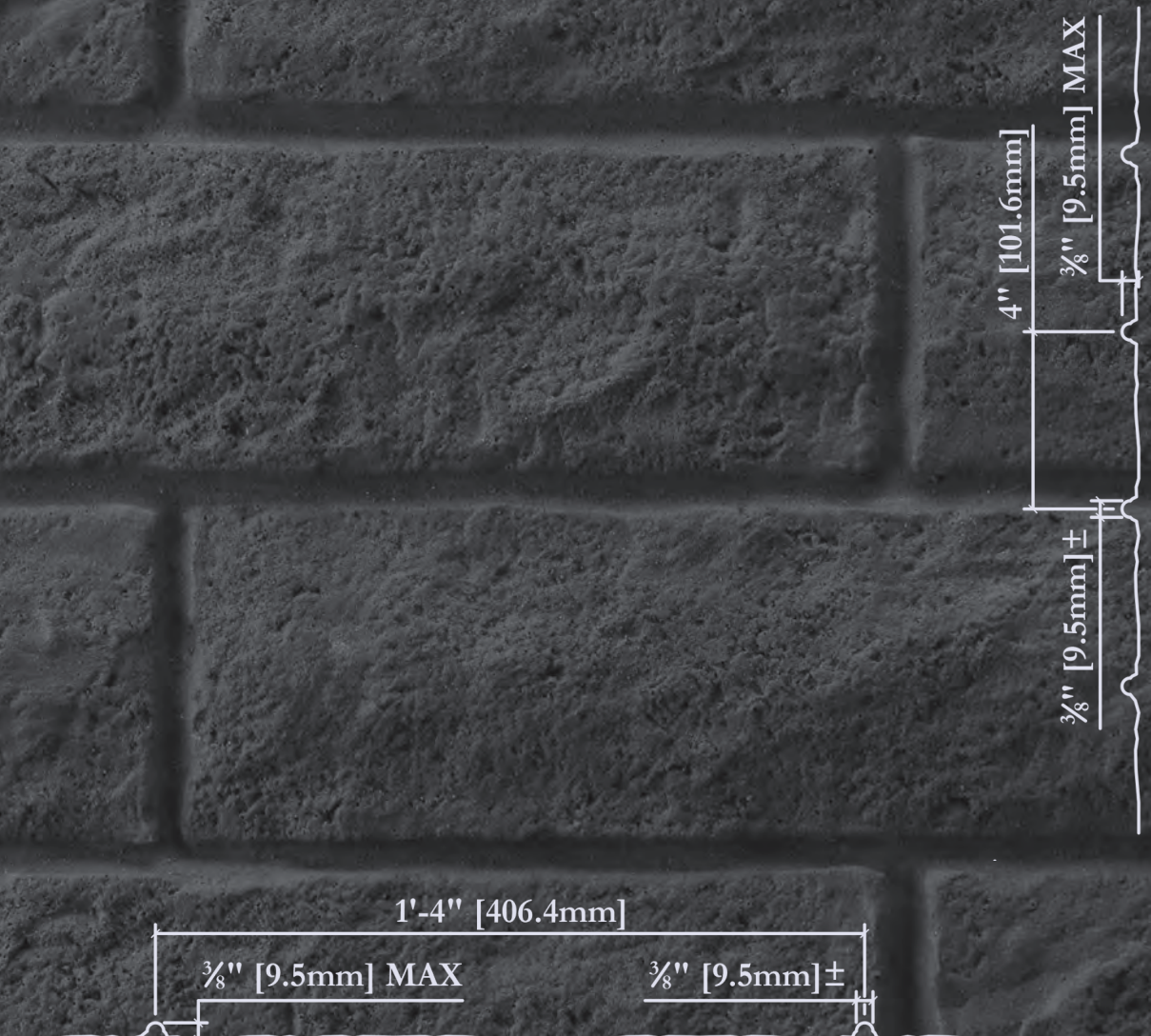


# #927 Atomic Ashlar



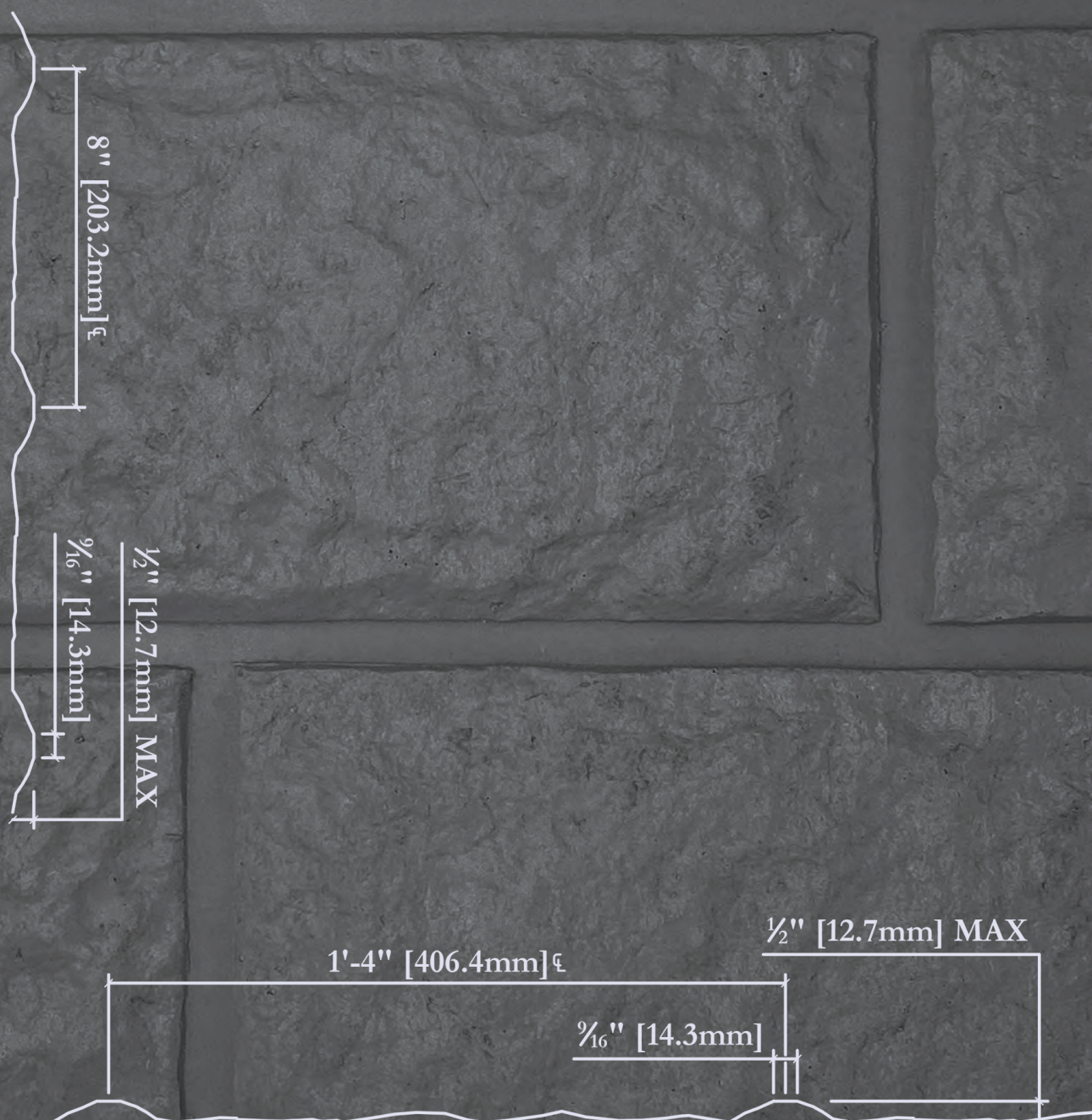


# #928 Slump Stone





# #929 8"x16" Hand Chiseled Block





# #931 Dry Fit Ashlar

STONE & BLOCK

$\frac{1}{2}$ " [12.7mm]  
MAX

STONES  
4"-40"

[101.6mm-1016.0mm]

Available in Elastomeric & HIPS



# #932 Random Coursed Ashlar

## STONE HEIGHT

2" [50.8mm]

4" [101.6mm]

6" [152.4mm]

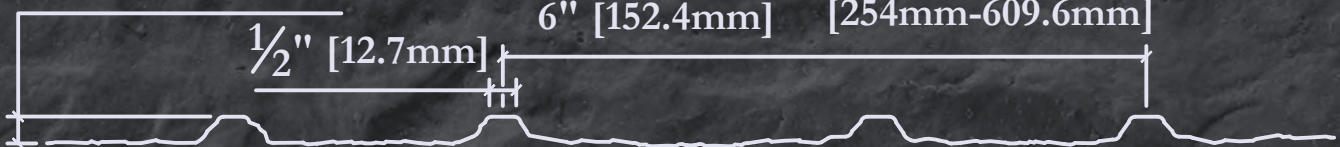
## STONE LENGTH

10"-24"

[254mm-609.6mm]

1/2" [12.7mm] MAX

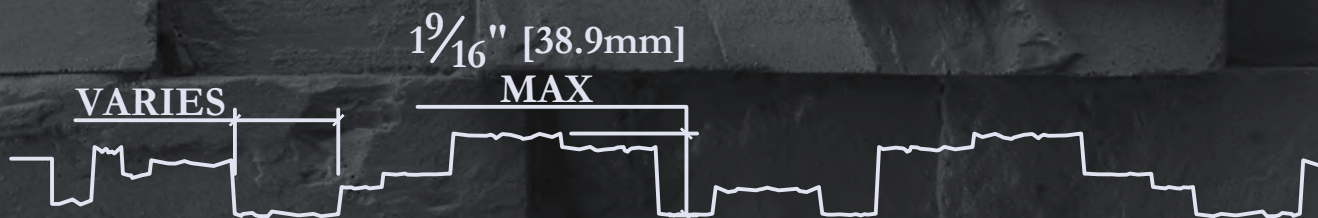
1/2" [12.7mm]





# #933 LedgeStone Drystack

STONE & BLOCK



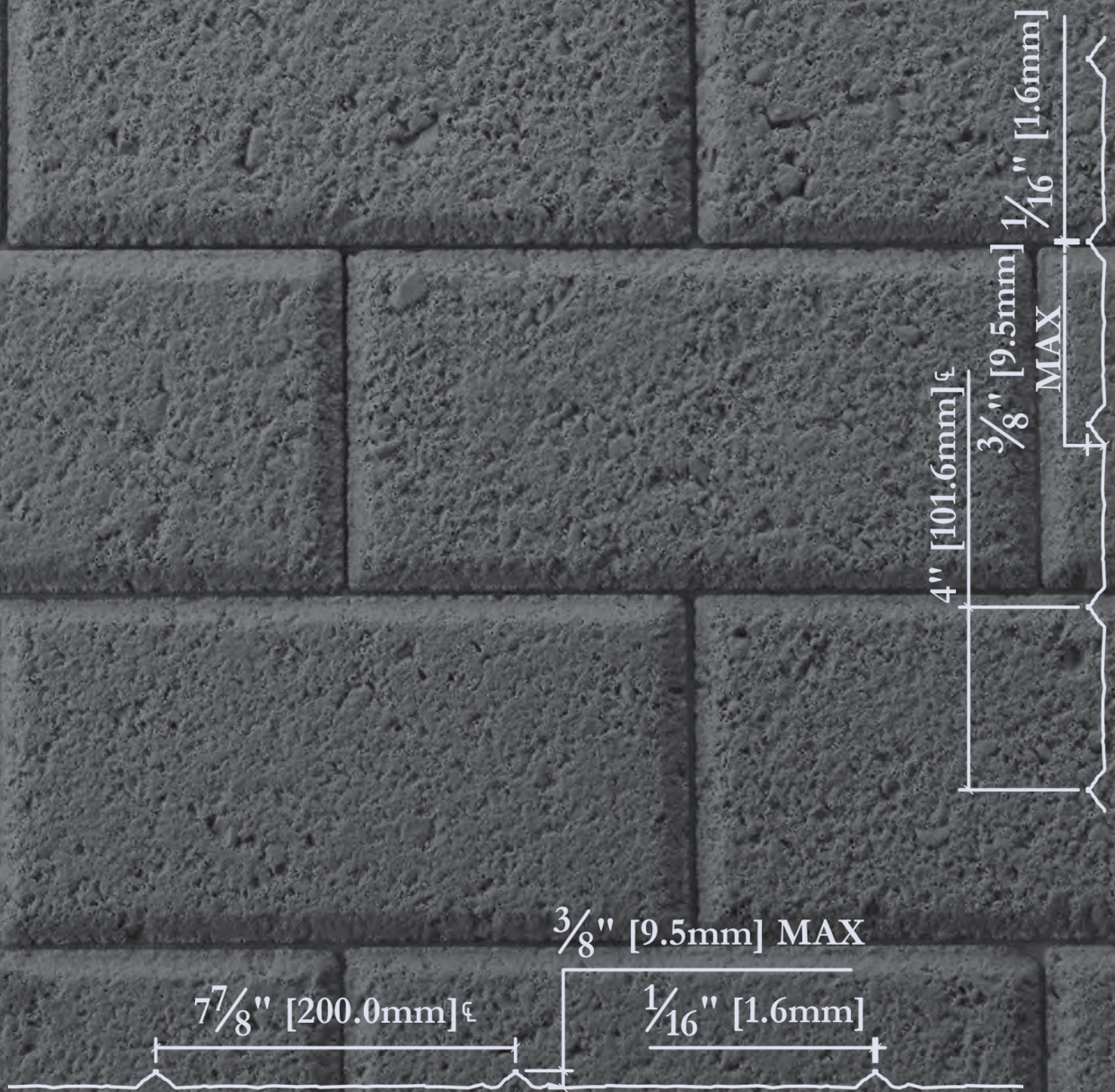
Available in Elastomeric & HIPS







# #934 Dry Fit Paver





# #935 Castle Stone

RELIEF

$1\frac{1}{4}"$  [31.8mm]±

APPEARANCE OF  
DRY-FIT JOINT



# #936A 3/8" Split Limestone

STONE & BLOCK

3/8" [9.5mm] MAX

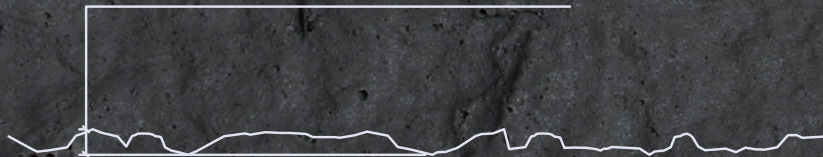


Available in Elastomeric & HIPS



# #936B 3/4" Split Limestone

$\frac{3}{4}"$  [19.0mm] MAX.





# #937 Mauch Chunk Drystack

STONE & BLOCK

$\frac{3}{4}$ " [19.0mm] MAX

VARIES







# #938 Canal Lock Drystack

STONE & BLOCK

2½" [63.5mm] Max Relief

Varies

Available in Elastomeric







# #941 Pompano Ashlar

1" [25.4mm]

1¼" [31.6mm] MAX.±



## #942 Ranger Split Stone

$\frac{1}{4}" \pm$   
RELIEF





# #943 3/4" Drystack

STONE & BLOCK



Available in Elastomeric & HIPS



## #946 Southern Drystack





# #501 Barn Boards

WOOD

$\frac{1}{4}$ " [6.4mm] MAX

10" [254.0mm] MAX

Available in Elastomeric & HIPS



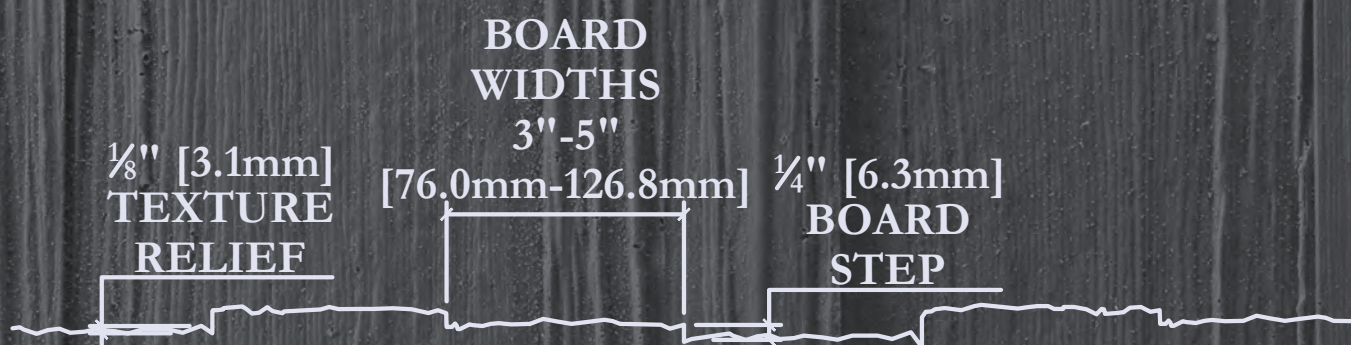








## #502 5" and 3" Cedar









# #503 Cedar Stakes





# #504 6" Shiplap

WOOD

VARIES

$\frac{1}{2}" - \frac{3}{4}"$

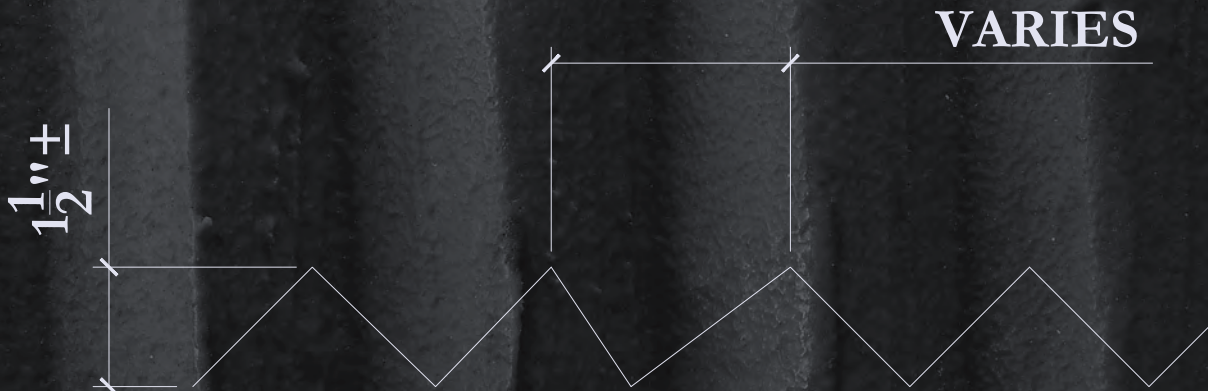
[12.7mm-19.1mm]

6" [152.7mm]





# #505 Exaggerated Stakes





# #506 Staggered Oak

WOOD

$\frac{3}{4}"$  [19.2mm] MAX  
RANDOM ON 3 PLANES

$5\frac{3}{4}"$  [146.1mm]

$\frac{3}{8}" \pm$  [10.0mm]

Available in Elastomeric & HIPS

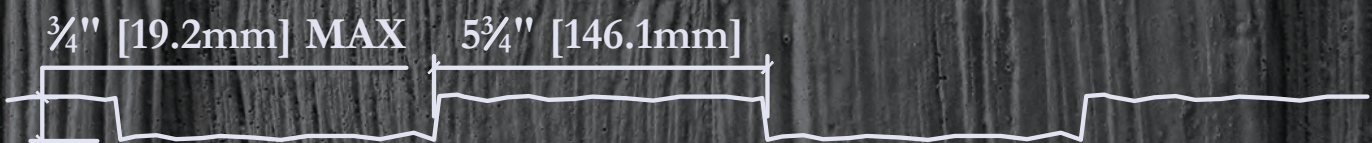






Project using  
508 1" Split Cedar Stakes

## #507 Staggered Oak Heavy



Available in Elastomeric & HIPS



# #508 1" Split Cedar Stakes

VARIES

0"-1<sup>3</sup>/<sub>8</sub>"

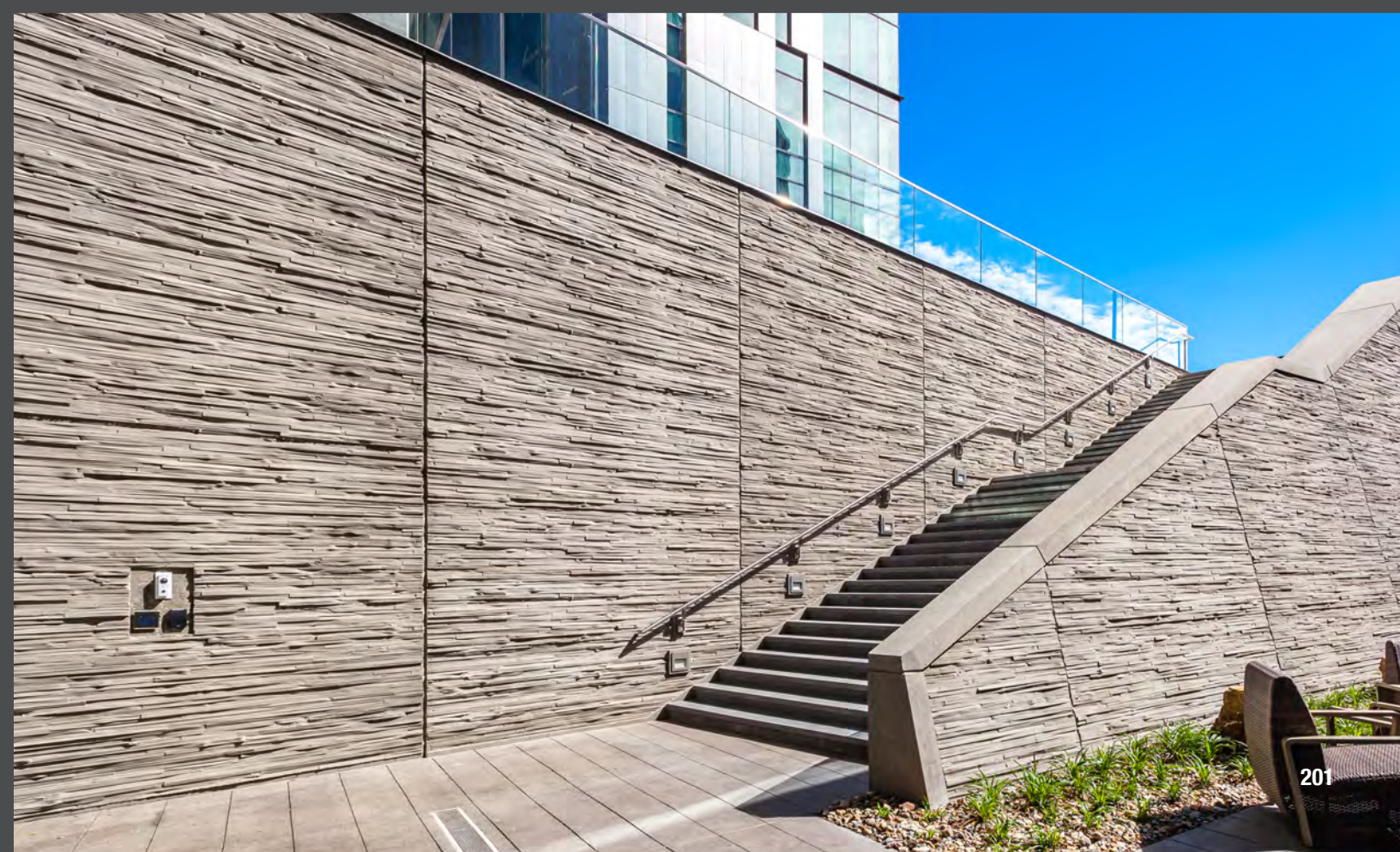
[0.0mm-34.9mm]

1<sup>1</sup>/<sub>4</sub>"±1/16"

[31.8mm±1.6mm]

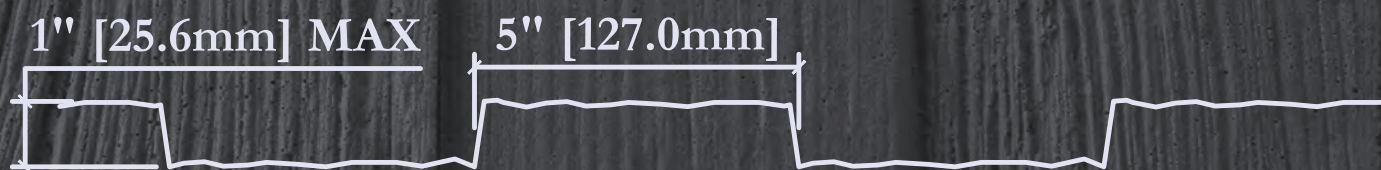




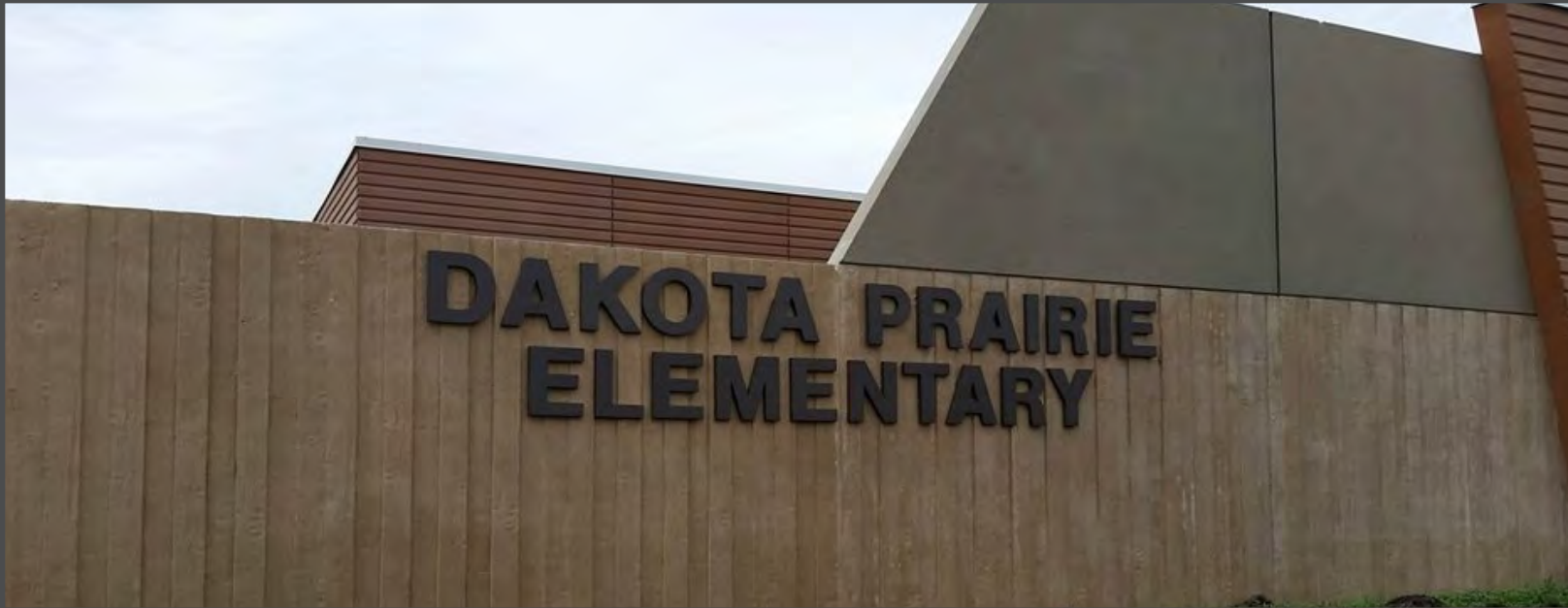




# #509 5" Weathered Wood









# #512 Hand Hewn Hemlock

$\frac{1}{4}$ " [6.5mm] MAX

BOARD WIDTH  
4"-8"

[101.6mm-203.2mm]







# #513 Bamboo Strips

$\frac{1}{2}$ " [12.6mm] MAX

VARIES

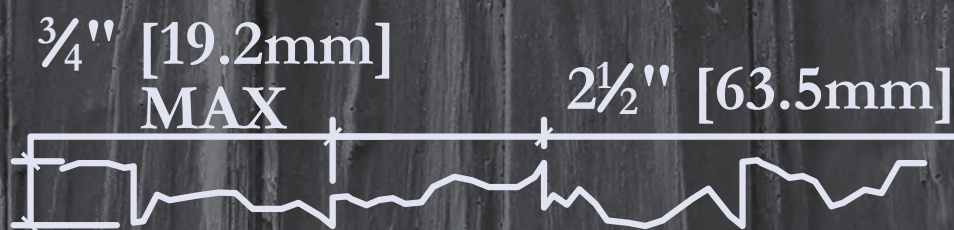
$\frac{3}{8}$ "-1"  
[9.8mm-25.7mm]





# #514 2.5" Split Stakes

WOOD





# #515 Old Timber Form

$7\frac{5}{8}"$  [193.5mm]  
BOARD WIDTHS

$\frac{1}{8}" - \frac{3}{8}"$  MAX  
[3.1mm-9.5mm]







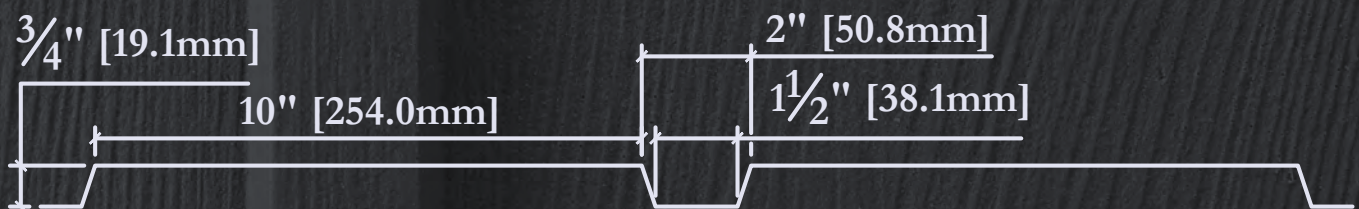
# #516 Medium Grain 7 5/8" Board

7 5/8" [193.5mm]  
BOARD WIDTHS

1/8" - 3/8" MAX  
[3.1mm-9.5mm]

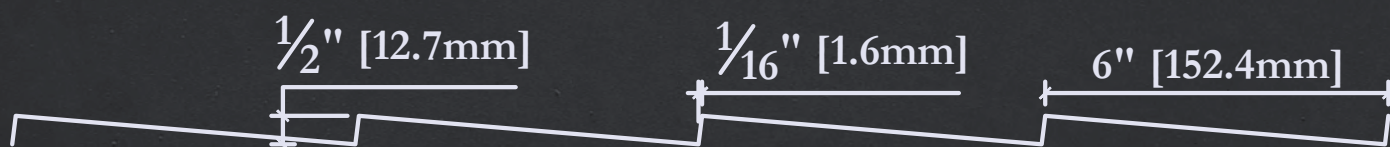


# #517 Board And Batten





# #518 6" Smooth Shiplap





# #520 Weathered Fir

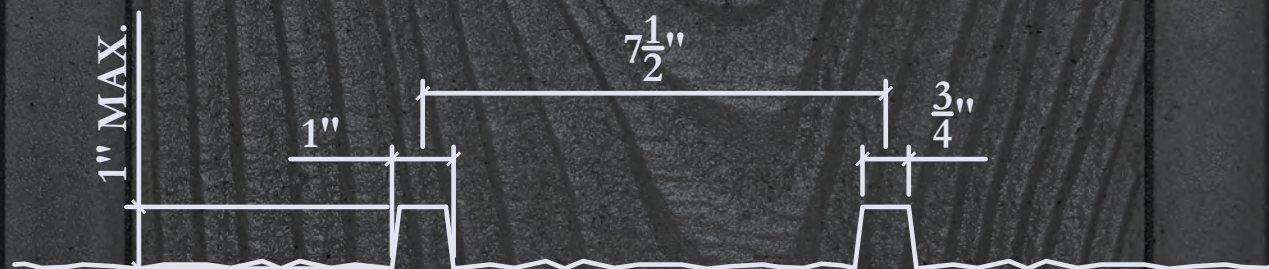
WOOD



Available in Elastomeric & HIPS



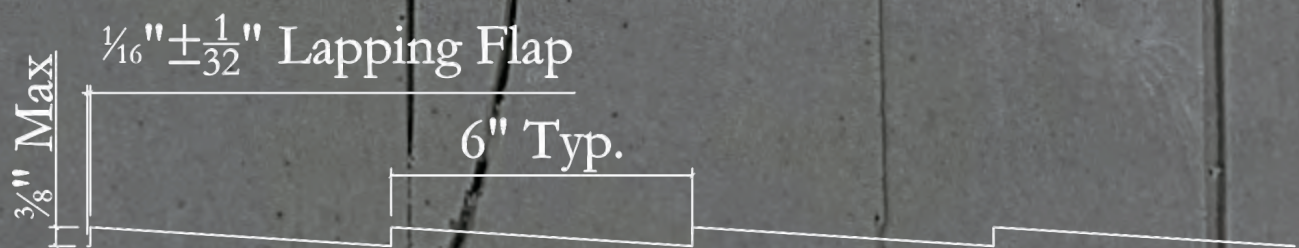
## #521 7.5" Weathered Fir





# #523 Cedar Shakes

WOOD



Available in Elastomeric & HIPS



# #524 Random Barnboard

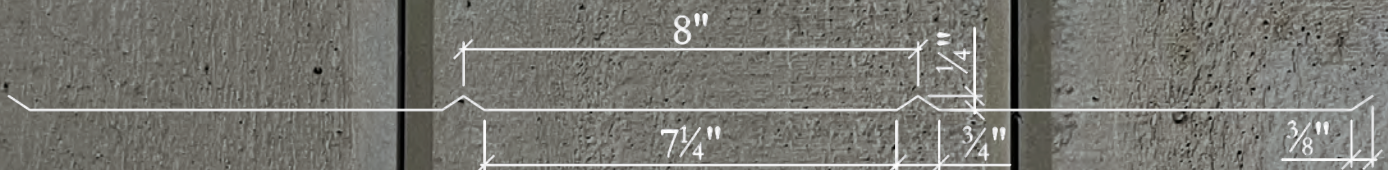
$\frac{1}{4}$ " [6.4mm] MAX

Boards vary 10" MAX



# #525 Rough Sawn V Groove 8" DC

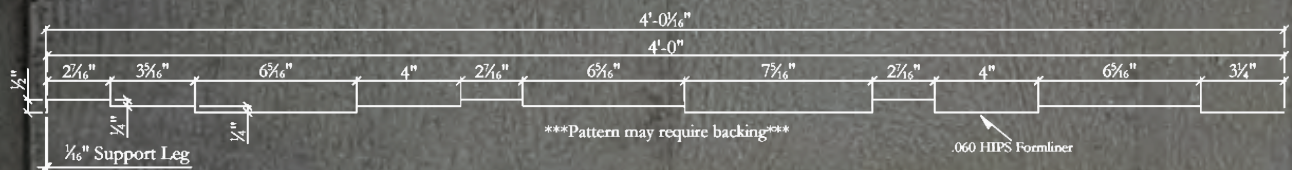
WOOD



Available in Elastomeric & HIPS



# #526 Rough Sawn Varying Plank

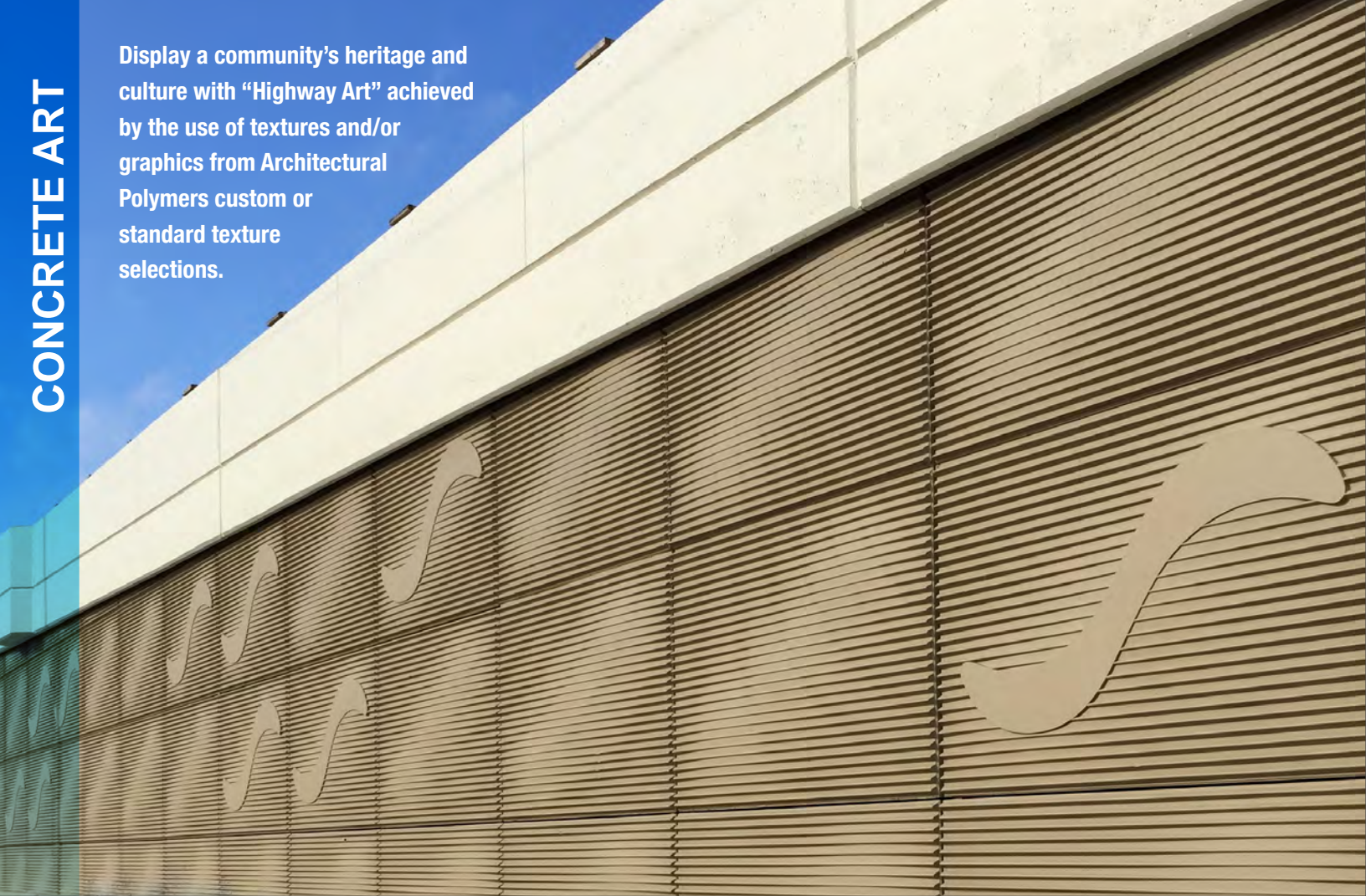




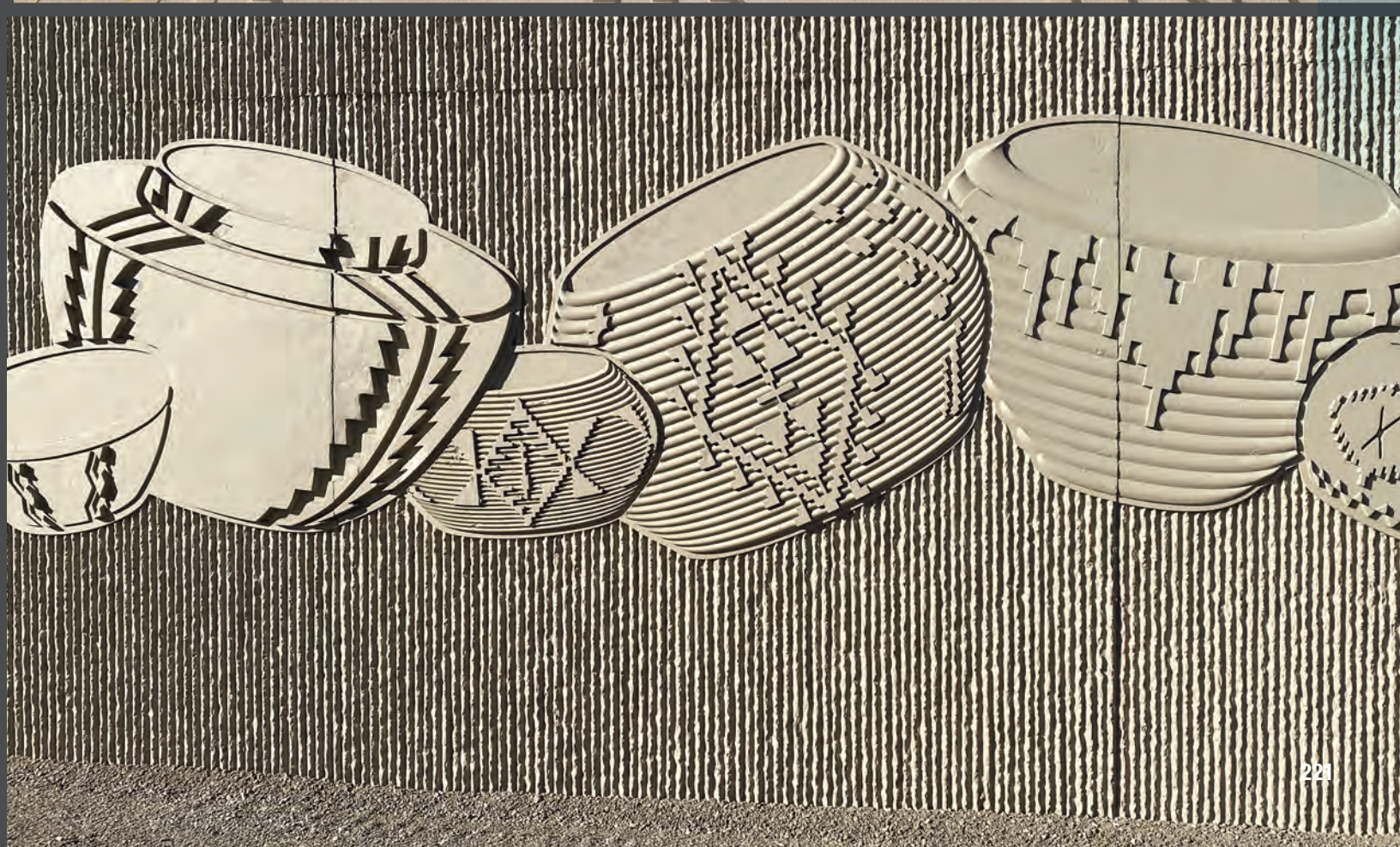




Display a community's heritage and culture with "Highway Art" achieved by the use of textures and/or graphics from Architectural Polymers custom or standard texture selections.













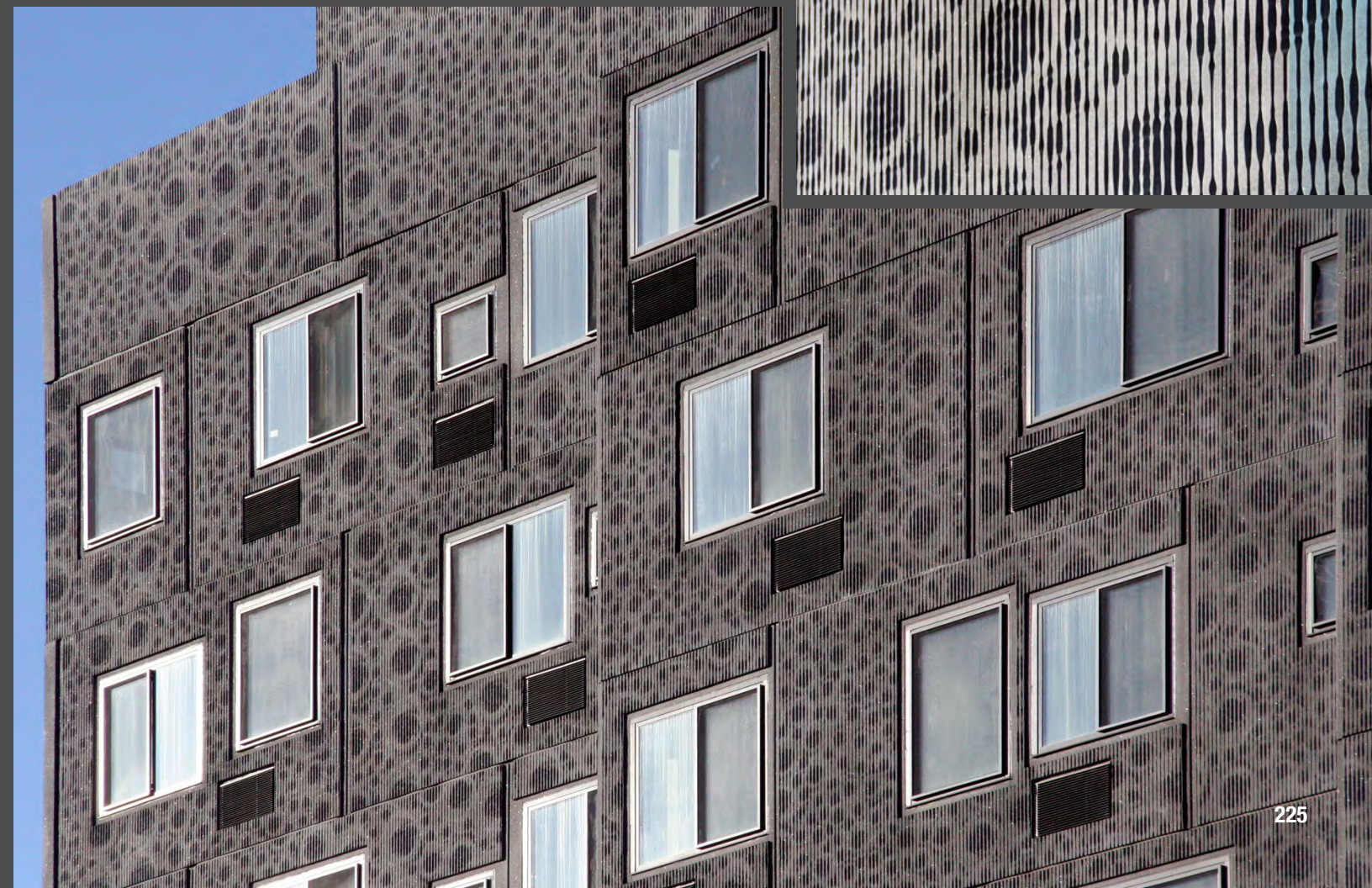
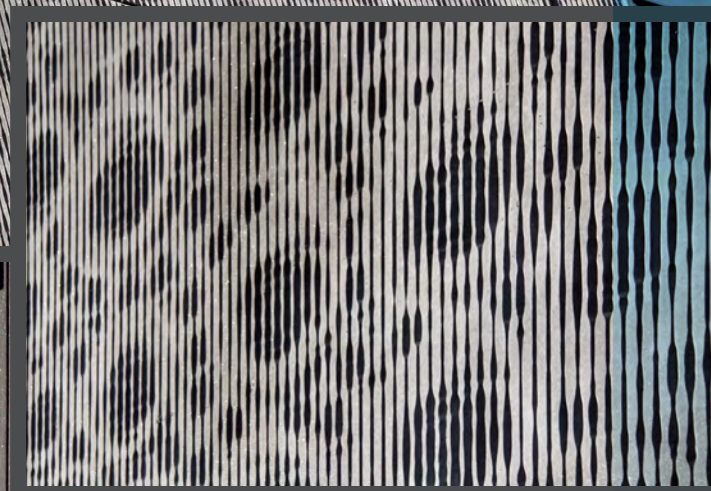
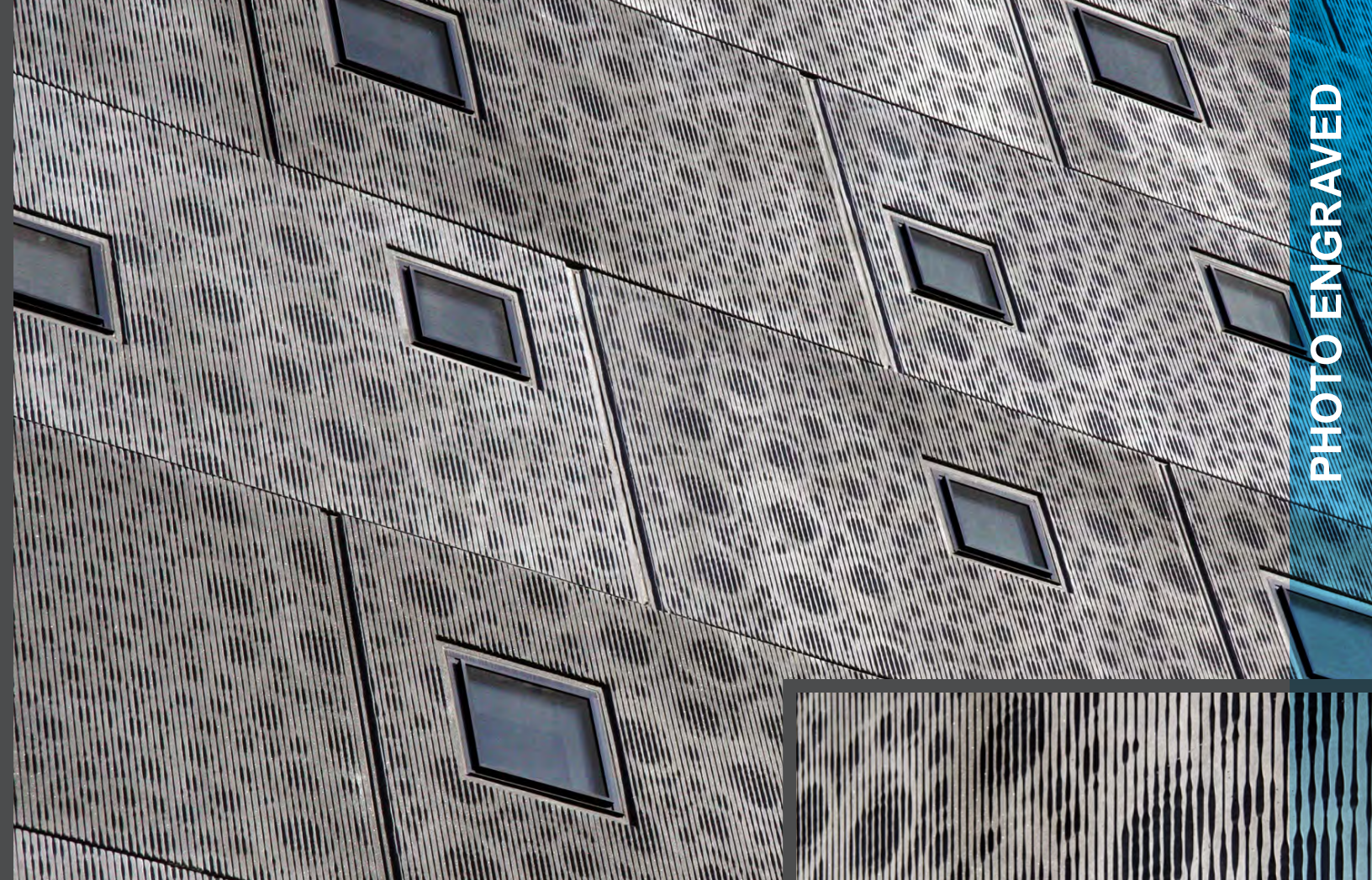




Architectural Polymers, LLC, photo engraved form liners allow you to incorporate unique and beautiful aesthetics in your cast-in-place and precast concrete projects. Nearly any image or photograph can be transferred to an elastomeric form liner to create an intricate surface pattern. The finished product will visually transform based on the lighting and perspective, creating an evocative experience for the viewer.

Photo engraved form liners not only create beautiful results; they are also easy-to-use and environmentally friendly. These reusable form liners minimize the amount of waste created with retarder photo paper. Flexible material helps reduce additional costs on repetitive panel projects. Utilize Architectural Polymers, LLC, photo engraved form liners in your next sound wall, building art, memorial or park concrete project.









**Architectural Polymers, LLC,** single-use HIPS plastic can be machined to create custom stencils for concrete.

**Sandblasting the open areas of the stencil** exposes the aggregate in the concrete to create a unique effect.









# VERSA-BRIX®

VERSA-BRIX®

ARCHITECTURAL POLYMERS®





#### RELEVANT PATENTS

U.S. 7,871,054  
 U.S. 8,181,930  
 U.S. 8,636,261  
 U.S. 8,662,467  
 U.S. D1,066,756  
 C.A. 2,700,743C  
 A.U. 2,012,238,238 B2  
 A.U. 2,014,250,618 B2  
 A.U. 2,008,312,344 B2

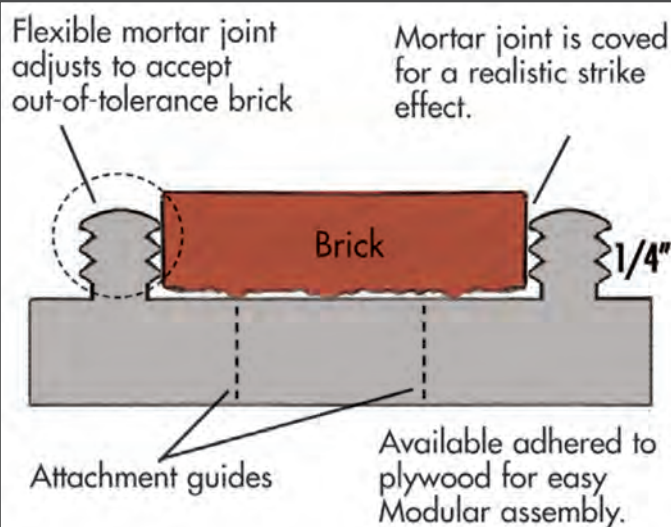
Architectural Polymers, LLC, developed a vast array of innovative thin brick inlay systems to offer a superior solution to traditional brickwork and masonry. The Versa-Brix® Thin Brick Inlay System combines custom brick fit and patterns to deliver exceptional thin brick clad concrete. Available as either single-use or multi-use and in a variety of sizes, the Versa-Brix® system is both cost-effective and environmentally friendly.



Best suited for large square footage and repetitive precast thin brick inlay projects:

- Office Buildings
- Parking Garages
- Box Buildings
- Stadiums
- Sound Walls
- Condominiums

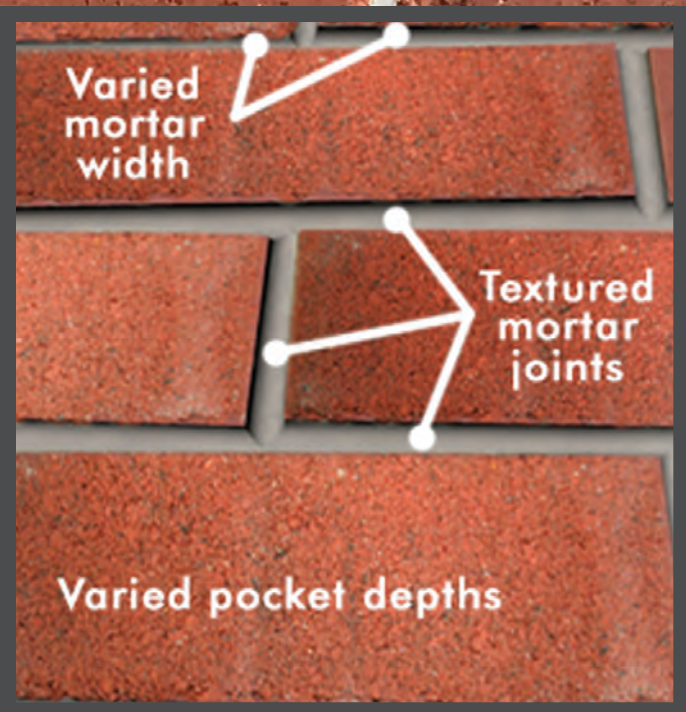
## VERSA-BRIX® M



Architectural Polymers, LLC, Versa-Brix® M is a high reuse solution. Quick delivery, easy forming and minimal cleanup give Versa-Brix® M a low cost advantage that benefits the precast concrete producer. Versa-Brix® M can be formed into any pattern imaginable and allows the use of all types of thin brick from the high quality thin brick brands Architectural Polymers, LLC, carries.



Designed for antique aesthetics or historically-sensitive projects, Architectural Polymers, LLC, Versa-Brix® Antique Classic thin brick inlay systems solve the problem of 2-dimensional precast concrete wall systems with unrealistic mortar joints. Versa-Brix® Antique Classic thin brick form liners feature varied mortar width, textured mortar joints and varied pocket depths to create the look of antique brick. Versa-Brix® Antique Classic thin brick inlay systems are available in single-use and multi-use options serving the tilt-up and precast industries.



VERSA-BRIX®

## VERSA-BRIX® Antique Classic Multi-Use & Single-Use Form Liners

### “ANTIQUING” TILT-UP & PRECAST CONCRETE PANELS

- Easy Assembly
- Concave Mortar Joints
- Varied Mortar Width
- Seamless Overlap of Edges
- Made from Recycled Content
- Great for Restoration or Historically Sensitive Projects









VERSA-BRIX®



Davidxchange

Davidxchange

Davidxchange  
music factory

ARCHITECTURAL POLYMERS®

233



Architectural Polymers, LLC, has teamed up with various thin stone and block manufacturers to offer architects, owners and precasters a method for casting thin masonry products into precast concrete building systems.

Versa-Brix® Versa Block is custom manufactured for thin stone and block.

Available in multi-use or single-use, Versa-Brix® Versa Block can be easily combined with the Versa-Brix® M or Versa-Brix® S thin brick systems to create stunning accents for historically sensitive projects.

## VERSA-BRIX® Versa Block Multi-Use







## VERSA-BRIX® M 3D

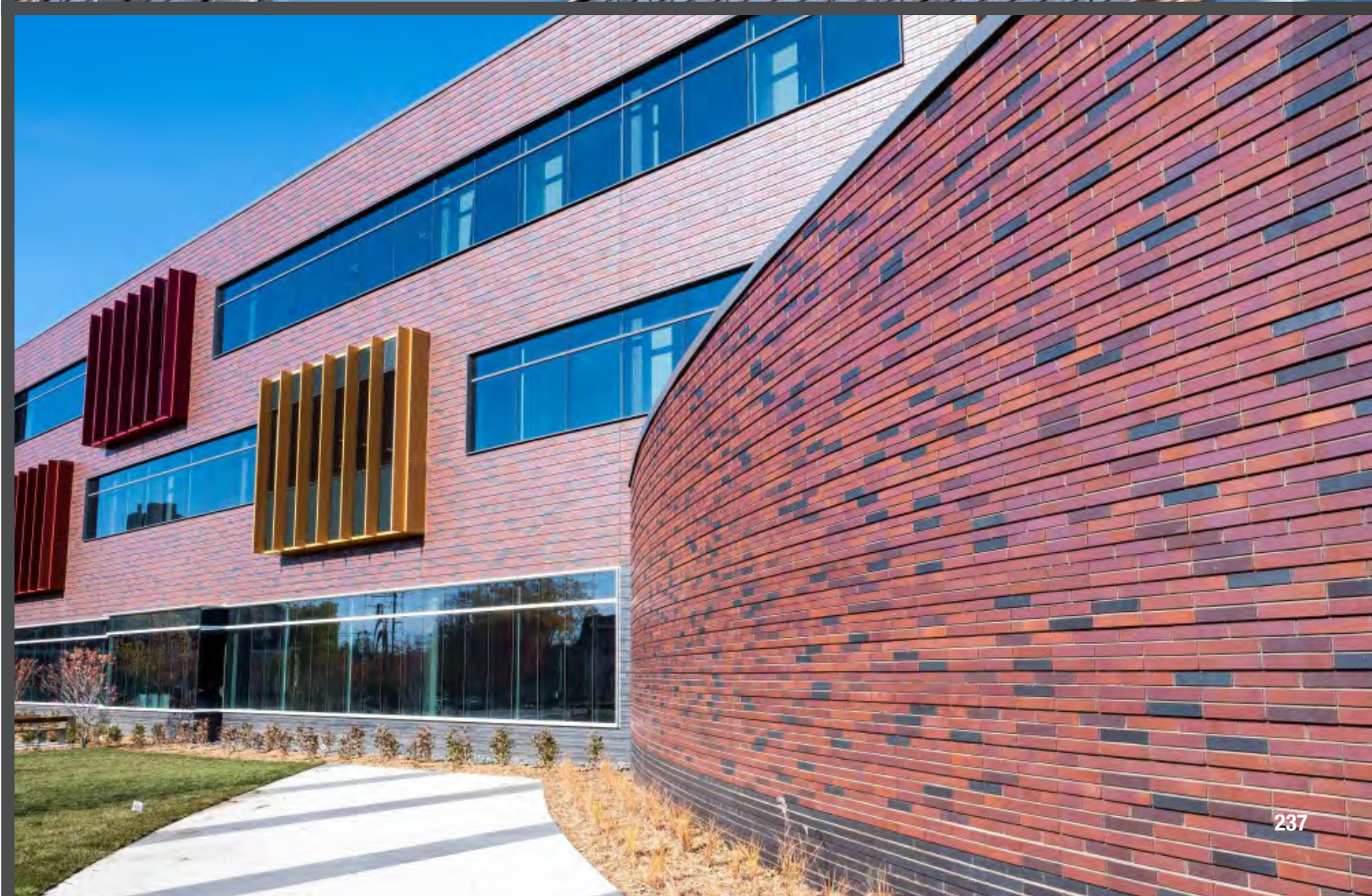
Versa-Brix® M 3D offers an irregular effect which adds realism and character to a brick-clad concrete panel.

Versa-Brix® M 3D can also be used for building art, window and corner accents, antique effects and historically-sensitive projects to create a realistic effect that will make your project unique.





VERSA-BRIX®







Developed to solve the high-cost, labor-intensive vertical casting of thin brick, Versa-Brix® Vertical thin brick inlay system is an easy-to-use, less expensive option for cast-in-place and vertical casting. Versa-Brix® Vertical is a green building product, reusable up to 50 times and can be custom manufactured to serve the cast-in-place contractor and precaster.



## VERSA-BRIX® Vertical Multi-Use Form Liners





# VERSA-BRIX® S

## Single-Use Form Liners for Thin Brick

**THIN BRICK FORMING SOLUTIONS FOR  
TILT-UP AND PRECAST CONCRETE**



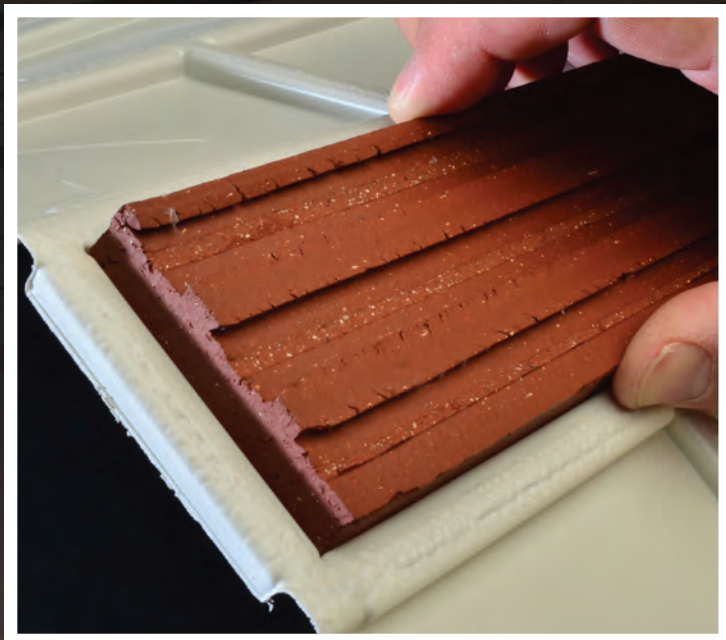
The Versa-Brix® S Single-Use thin brick inlay system is designed for Tilt-Up and Precast Concrete Projects. With 20+ brick patterns, the newest generation of this product will tightly fit your thin brick choice and reduce the clean-up time associated with plastic usage. Versa-Brix® S is available in a variety of family versions. Versa-Brix® S is recyclable and environmentally friendly for LEED® green building point acquisition.



**VERSA-BRIX®  
SINGLE-USE FORM LINER  
IS IDEAL FOR  
TILT-UP PRECAST  
CONCRETE PANELS**







Architectural Polymers, LLC, Versa-Brix® S thin brick inlay system has a flexible gasket that adjusts to variations in brick sizes. Offset brick in place nearly eliminate the need for grinding brick and cement paste cleanup. Versa-Brix® S is a green building product with fast delivery serving the tilt-up and precast industries.

VERSA-BRIX®

## THE BEST ECONOMICAL SOLUTION FOR TILT-UP & PRECAST PANELS

- Brick “Lock & Seals” in Place
- Sand Textured Mortar Joint
- Offset Pockets Create Authentic Brick Look
- Greatly Reduces Cement Paste Cleanup
- Easy Assembly
- Seamless Overlap from Sheet to Sheet
- Made from Recycled Content
- Accessories Available



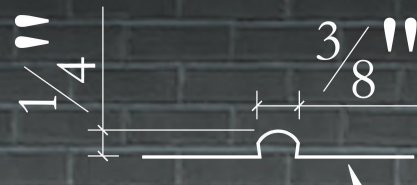
## VERSA-BRIX® S Gasket Single-Use Form Liners

- Seamless Overlap from Sheet to Sheet
- Uneven/Varied Depth Groove
- Made from Recycled Content
- Snug Brick Fit
- Accessories Available
- Easy Assembly

Versa-Brix® S Gasket thin brick inlay system features uneven, varied groove depths and snug fitting brick pockets.

Versa-Brix® S Gasket is designed and manufactured to replicate historic masonry-style architecture and is available in multi-use or single-use.

Typical Section









# VERSA-BRIX® INVENTORY

## STANDARD

- Versa-Brix® S Modular Running Bond
- Versa-Brix® S Modular Stacked Bond
- Versa-Brix® S Modular Soldier Bond
- Versa-Brix® S Modular Tumbled
- Versa-Brix® S Gasket Modular Running Bond
- Versa-Brix® S Gasket Modular Soldier Bond

## ACCESSORIES

- Versa-Brix® S Gasket Modular Corner with Textured Mortar Joint
- Versa-Brix® S Modular Corner
- Versa-Brix® S Closure/Utility Corner (Concave or Raked Joint)
- Versa-Brix® S Universal End Round
- Versa-Brix® S Alignment Guides
- Versa-Brix® S 1/2" Raised Inset Accessory
- Versa-Brix® S Modular 3-in-a-line 1/4" Raised Inset Accessory
- Versa-Brix® S Modular Soldier Bond 1/4" Raised Inset Accessory

\*Recommended for use with PCI SELECT Size Tolerances.  
Custom Sizes and Brick Patterns Available, Call for Price and Availability.  
Multiple Pocket Size Variations Available Within each Bond Pattern.





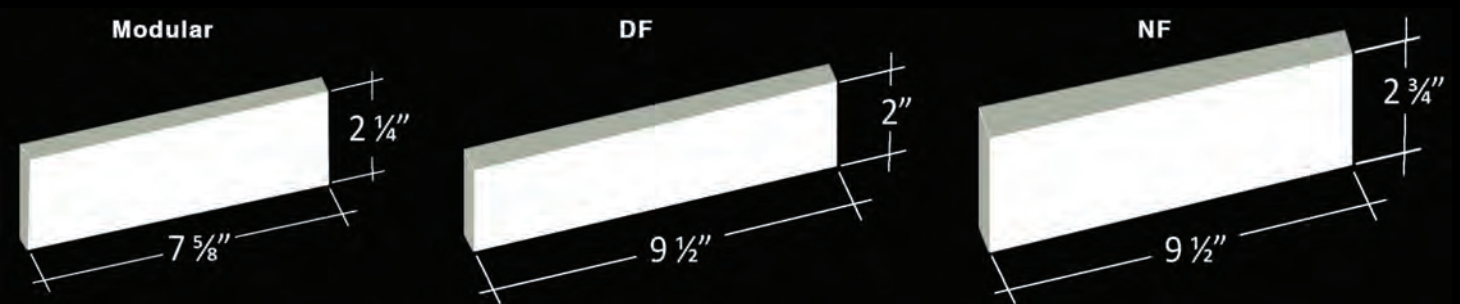




## Test Results

Specification	Test	Standard	Röben
Efflorescence	ASTM C-67	None	None
Size	ASTM C-1088	Max. 1%	Meets the Standard
Warpage	ASTM C-1088	Max. 0.5%	Meets the Standard
Modulus of Rupture	ASTM C-67	250 lbs./sq.in.	>1,800 lbs./sq.in.
Absorption	ASTM C-67	Max. 6%	<3%
Freeze-Thaw	ASTM C-67	Min. 50 Cycles	Passed
Freeze-Thaw Brick in Concrete	ASTM C-666 Procedure B	300 Cycles	Passed 300 Cycles Meets the Standard
Pull Strength	ASTM E-488	Min. 150 psi	>235 psi
Chemical Resistance	ASTM C-650	Not Affected	Not Affected

## Brick Sizes



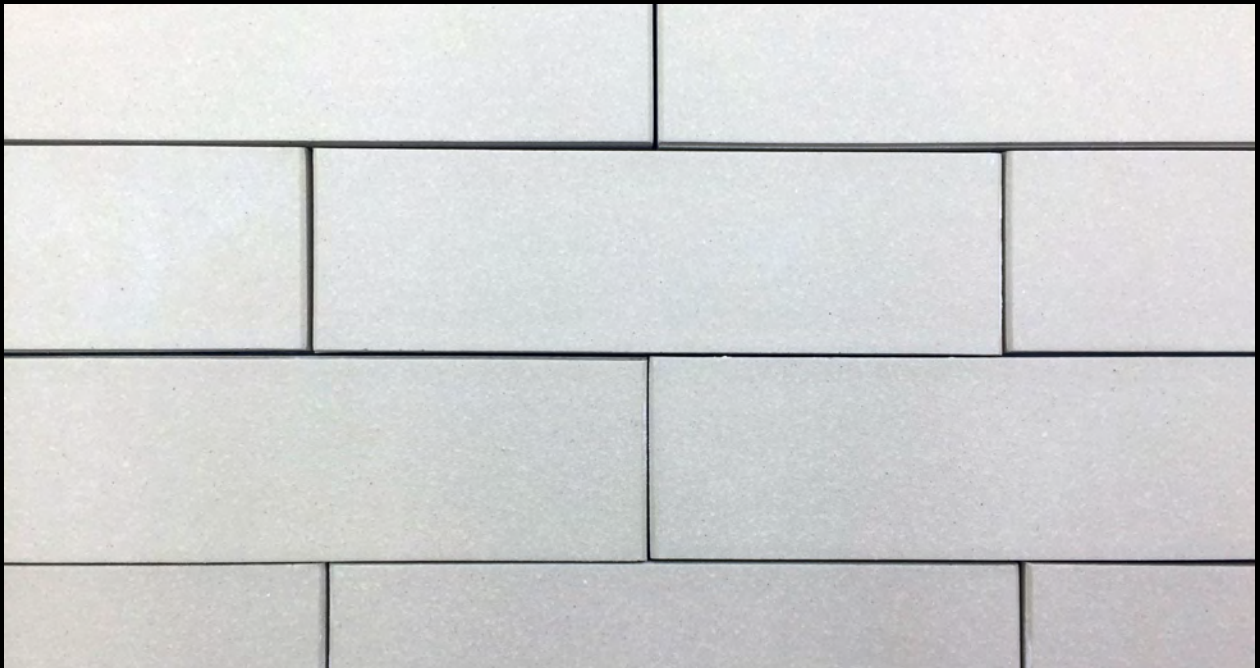
\*Note:

DF size available for Faro Black Smooth, Faro Grey Smooth and Oslo Smooth only.





Manchester



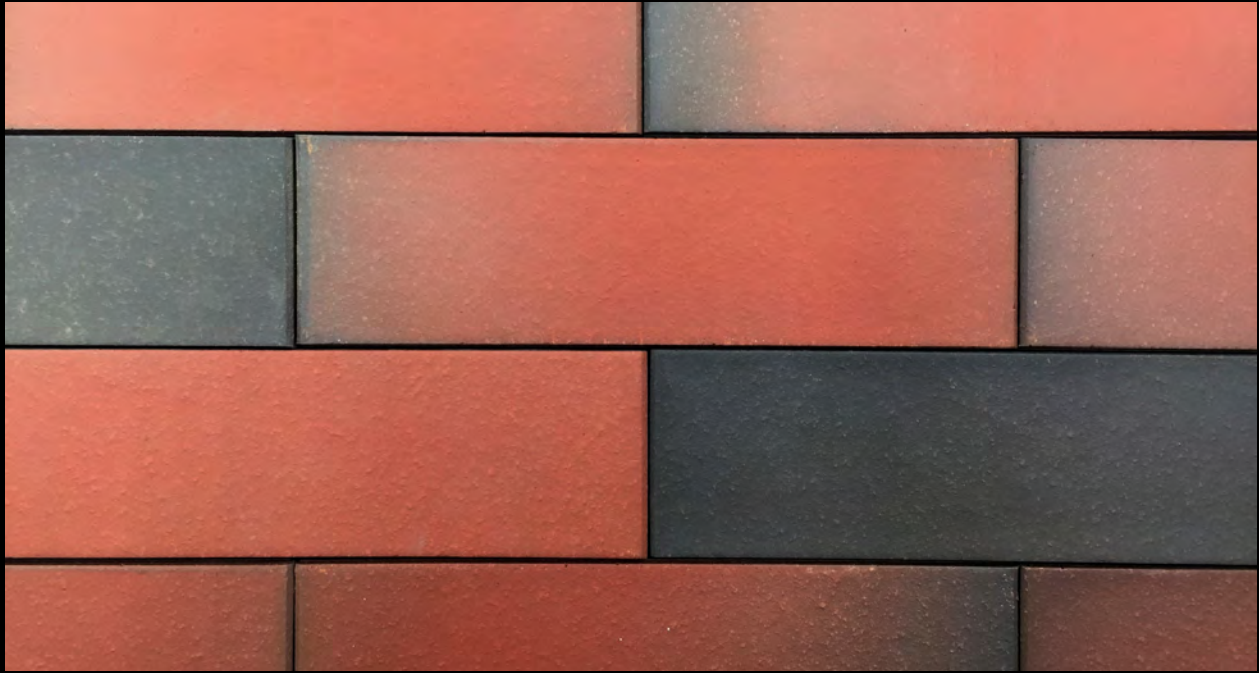
Oslo Smooth



Manchester







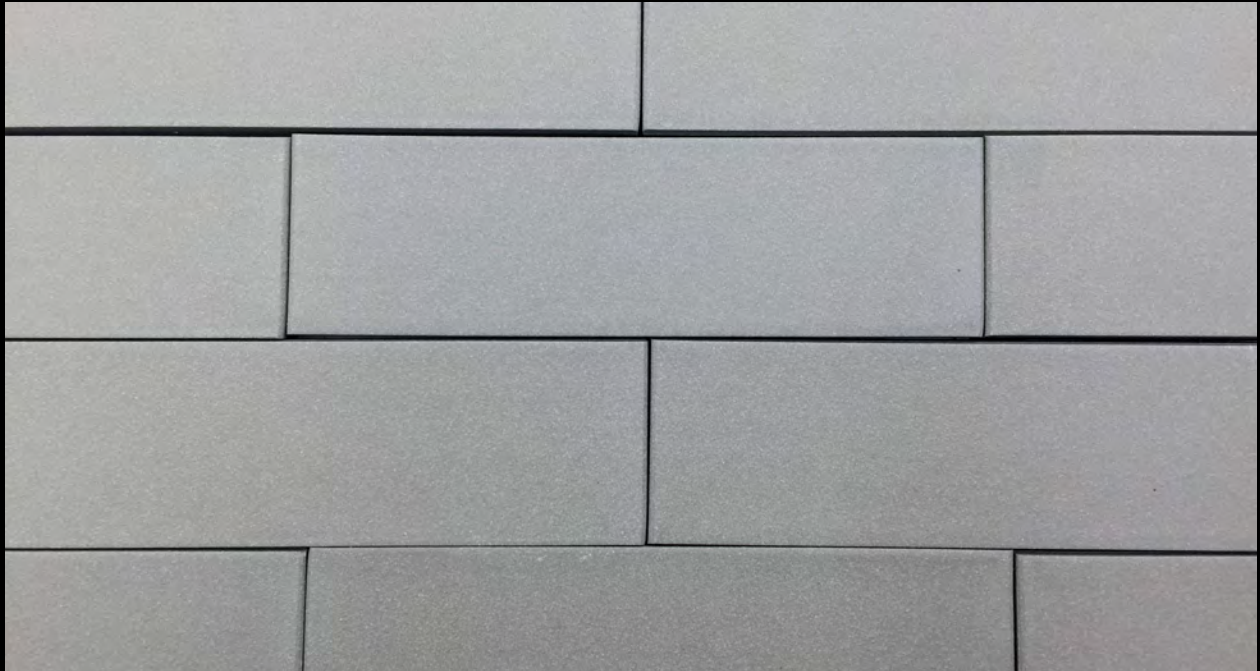
Westerwald Smooth Variegated



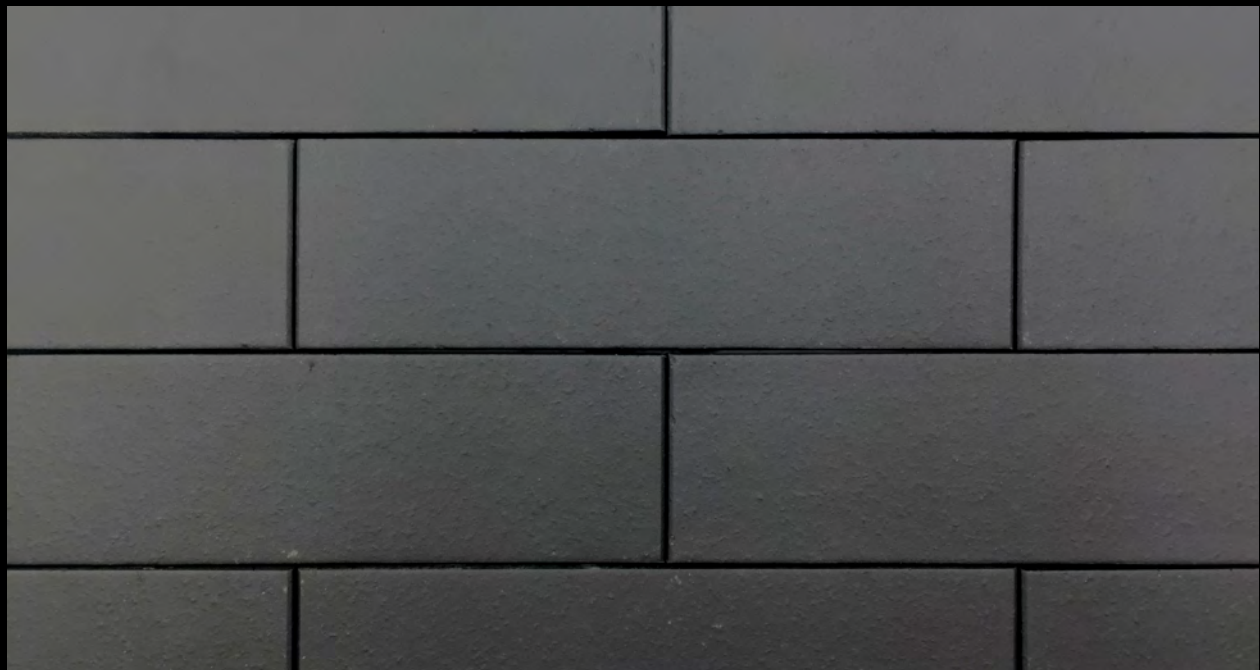








Faro Grey Smooth



Faro Black Smooth

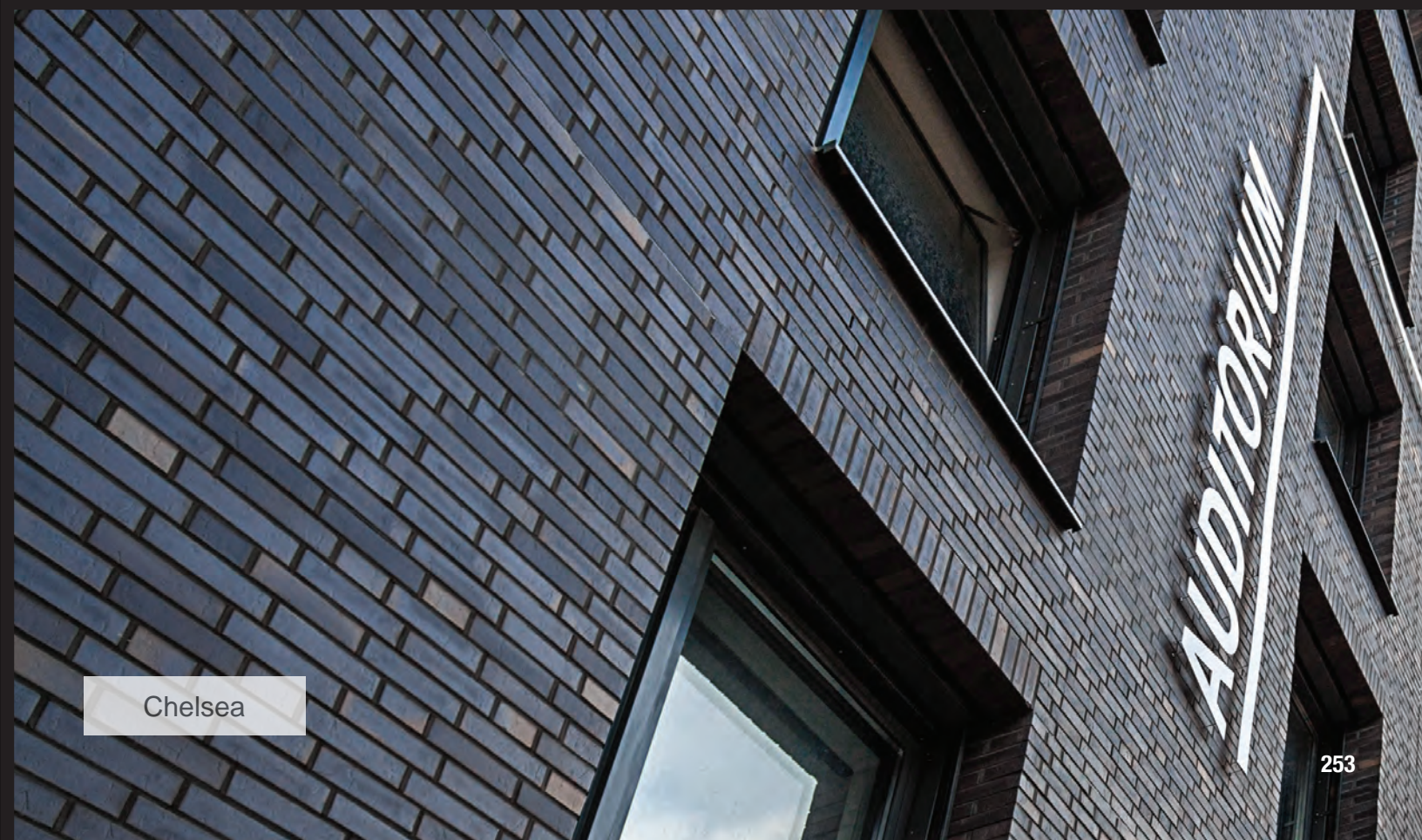


Faro Black Smooth





Chelsea



Chelsea



Aarhus Blue Variegated





## Tumbled Brick



Aarhus Blue Variegated



Aarhus Anthracite



## Tumbled Brick



Aarhus Calais Variegated



Aarhus White Grey



## Tumbled Brick



Aarhus Calais Waterstruck



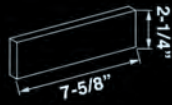
Aarhus Pearl White



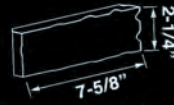
# Brick Sizes



**Roman**



**Modular**



**Danish Hand Mould**



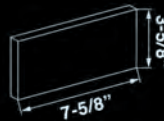
**Norman**



**2-1/4" Meridian**



**Kingsize**



**Closure**



**Utility**



**3-5/8" Meridian**



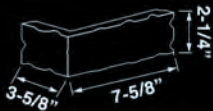
**Triple**



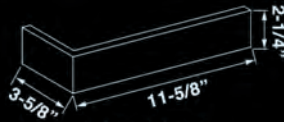
**BC1-5/8" 48**



**BC2-1/4" 48**



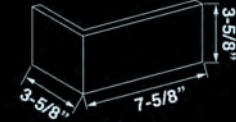
**BC2-1/4" 48  
Danish Hand Mould**



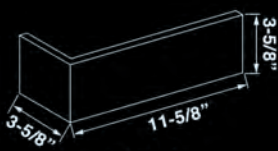
**BC2-1/4" 412**



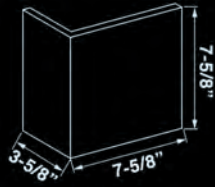
**BC2-5/8" 310**



**BC448**



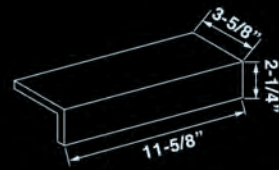
**BC4412**



**BC848**



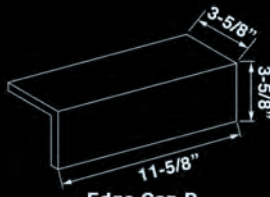
**Edge Cap A**



**Edge Cap B**



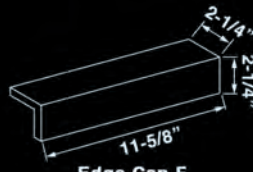
**Edge Cap C**



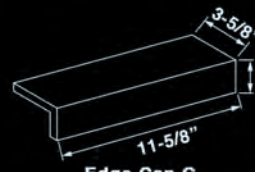
**Edge Cap D**



**Edge Cap E**



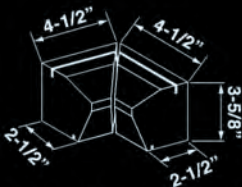
**Edge Cap F**



**Edge Cap G**



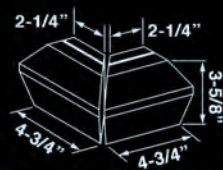
**Edge Cap H**



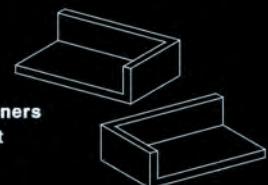
**Rolok Sill Internal Corner**



**Rolok Sill**



**Rolok Sill External Corner**



**Edge Cap Corners  
Left and Right**

**Note:**  
Edge Cap - Three Sided L/R Dimensions  
are the same as the Edge Caps shown.



## Brick Textures



Vertical Score



Artisan



Smooth



Sands



Ironspot



Heritage



Velour

***\*Note:***

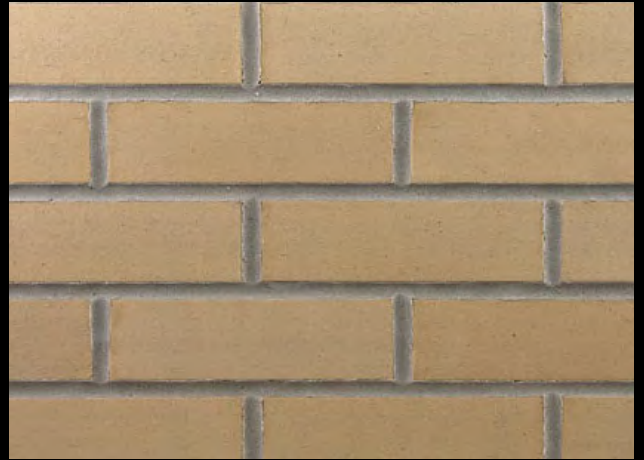
***Not all brick colors are  
available in all textures.***

***Contact  
Architectural Polymers, LLC,  
for availability.***





Ivory Blend



Golden Buff



Light Sandstone



Buff Blend

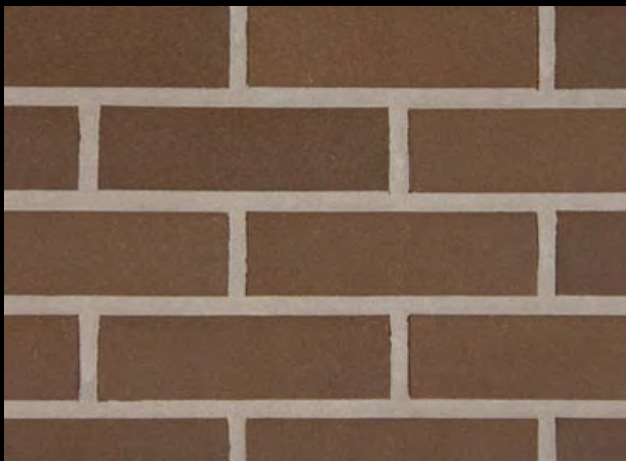




Light Grey Blend



Grey Blend

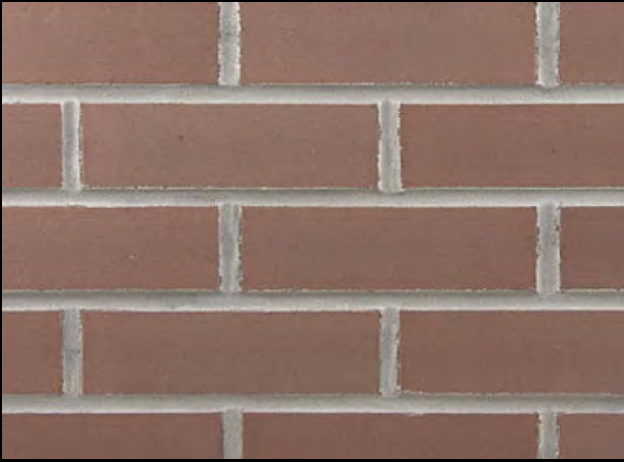


Dark Sandstone

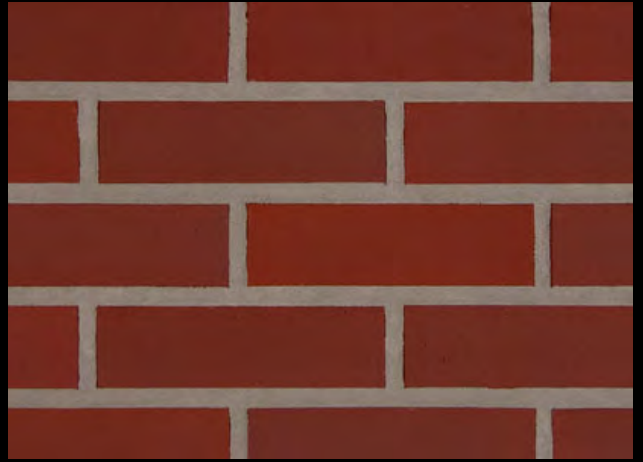


Manganese Brown





Rose Blend

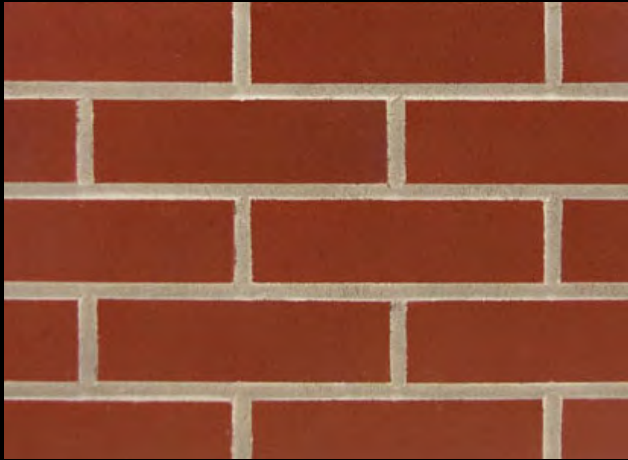


Red Blend

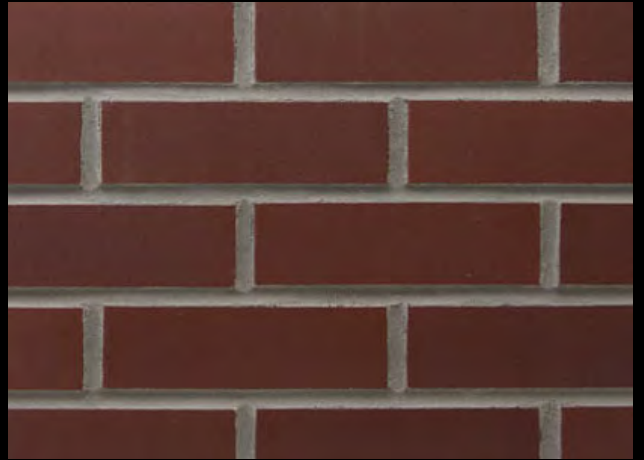


Red Ironspot &  
Desert Ironspot Light

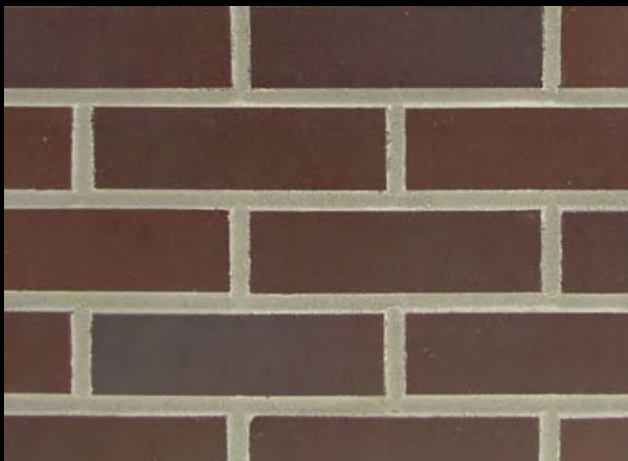




Burgundy Blend



Ruby Red



Bordeaux Blend

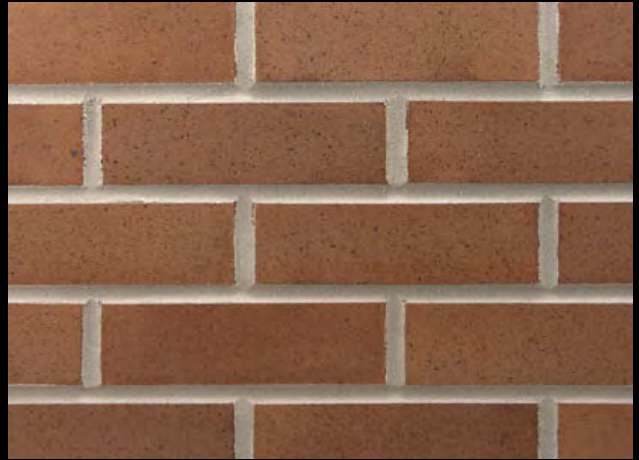




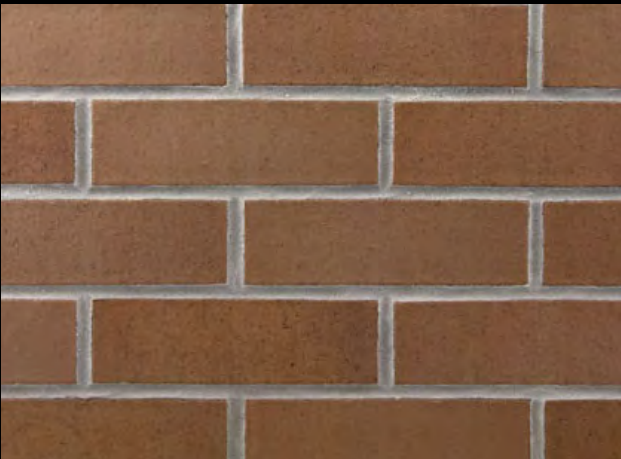
## Ironspot



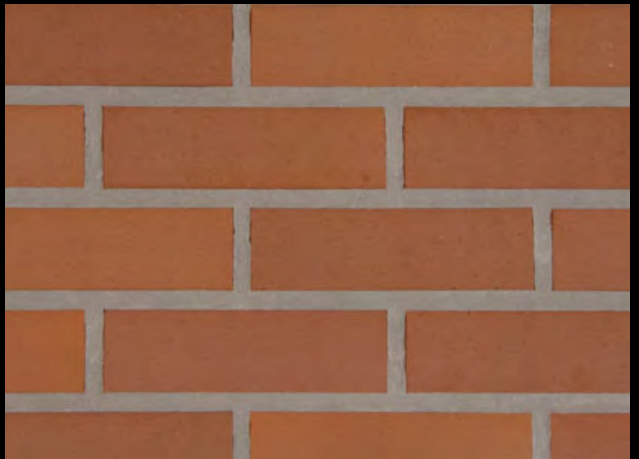
Desert Ironspot Light



Desert Ironspot Dark



Coppertone

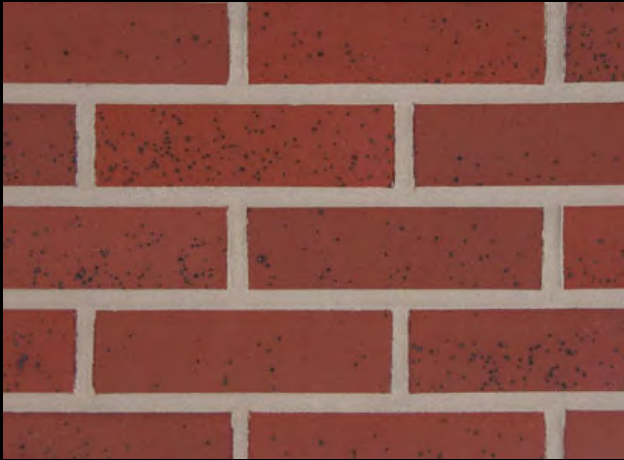


Copper Canyon

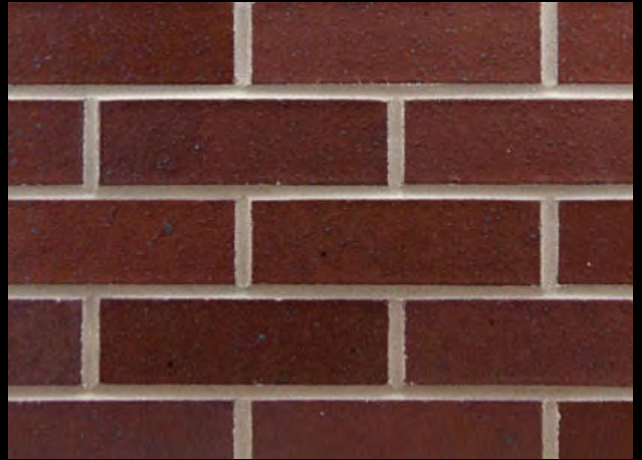




## Ironspot



Red Ironspot



Medium Ironspot #46



Medium Ironspot #77



Executive Ironspot



## Ironspot



Manganense Ironspot



Dark Ironspot



Sienna Ironspot



## Sands



Sahara Sands



Orleans Sands



Desert Sands



Grey Sands



## Sands



Autumn Sands



Burgundy Sands



Merlot Sands

***\*Note:***  
***Sands colors are only  
available in Smooth  
& Heritage textures.***





**METROBRICK**  
ARCHITECTURAL THIN BRICK



Main Street, Dark Ironspot  
& Schoolhouse Red



# New Textures

**METROBRICK**  
ARCHITECTURAL THIN BRICK

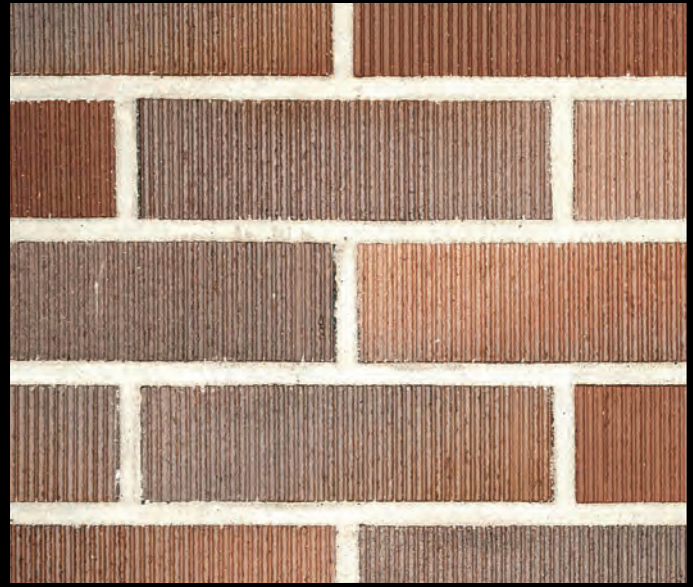


## Scalloped Texture

### - *New* Scalloped Texture -

This innovative texture features a random curved and layered pattern that adds a unique touch to a project.

Best of all, this great new texture meets the PCI standard for thin brick and is available for Precast construction projects.



## Vertical Score Texture

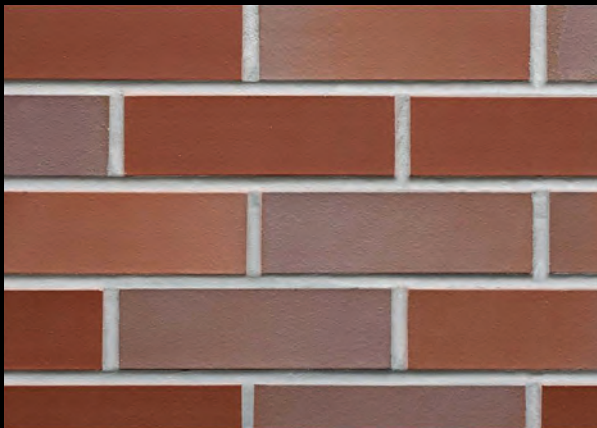
### - *New* Vertical Score Texture -

Our most striking texture yet! Featuring vertical channels from edge to edge, this is sure to stand out on your next project. Much like scalloped, this unique new texture also meets the PCI standard for thin brick and is available for Precast construction projects!



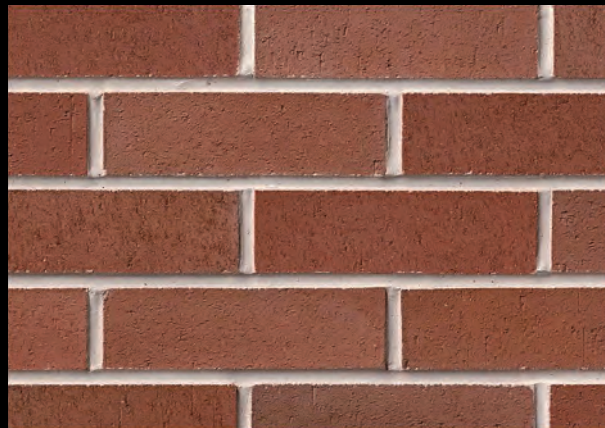
# ... *More Textures*

**METROBRICK®**  
ARCHITECTURAL THIN BRICK



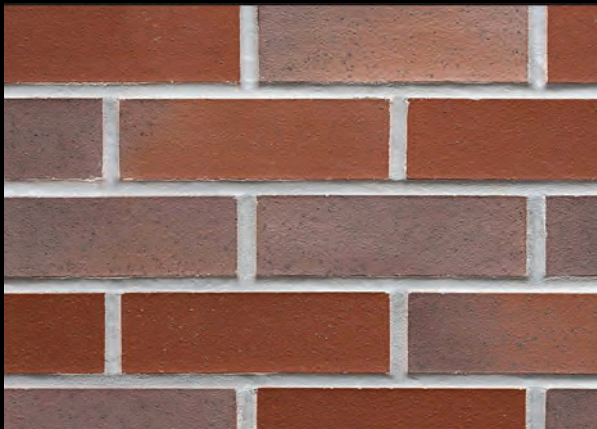
## **Smooth Texture**

The smooth texture has a consistent and uniform face with a slightly rough finish from the extrusion die. Use smooth texture for a standard or modern brick appearance.



## **Wire Cut Texture**

The wire cut texture has vertical pulls and tears in the face of the brick. The ridges and crevices create the appearance of traditional wire cut facing brick.



## **Ironspot Texture**

Ironspot can be added to our thin brick for additional surface activity. A metallic additive is mixed into the raw materials and blooms to the surface during firing.



## **Vintage Texture**

The vintage texture features distressed edges and a heavily distressed surface for a worn, weathered appearance. Vintage textured bricks fit form liners.



Made in the U.S.A.

[info@apformliner.com](mailto:info@apformliner.com)

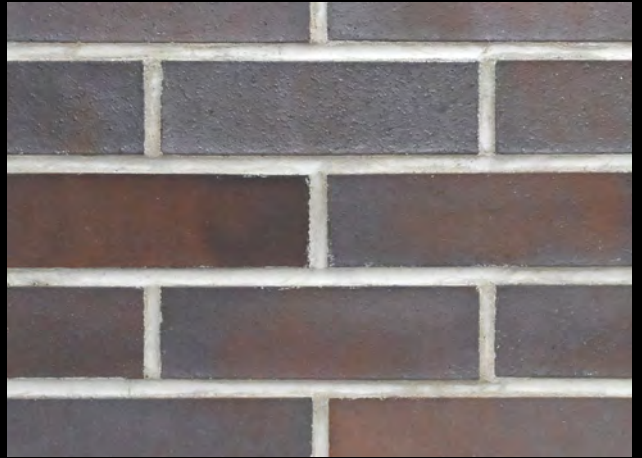
610-824-3322

[www.apformliner.com](http://www.apformliner.com)





101 Commons



84F Ironstone



105 Fieldstone



29F Copper Ironspot



107 Parkway



205 Marketplace





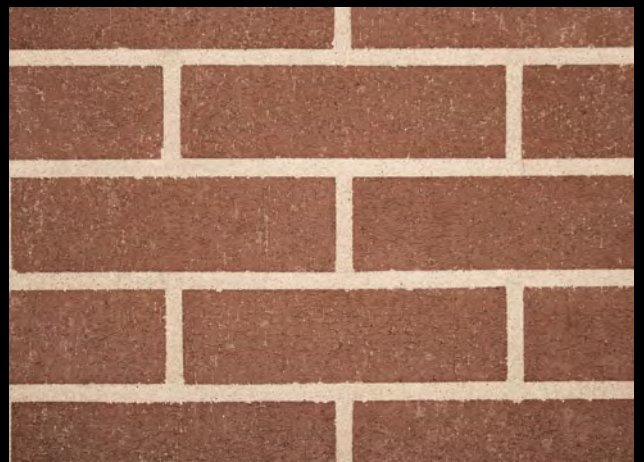
220 Courtyard



320 Schoolhouse Red



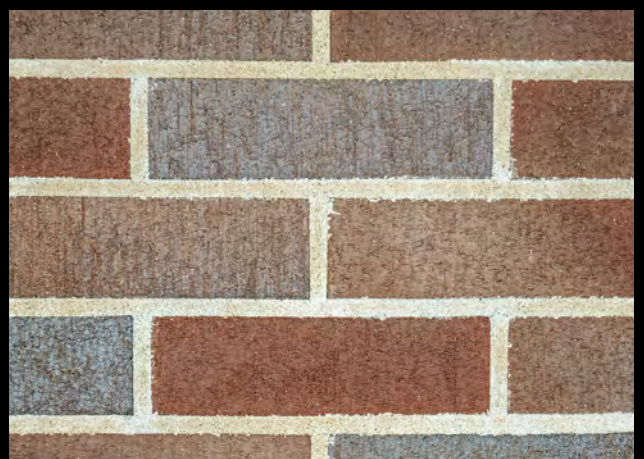
108 Brownstone



330 Burgundy



310 Main Street



375 Burgundy Flashed



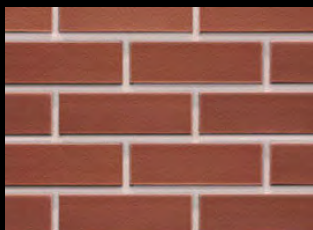
# Fast Ship

**METROBRICK®**  
ARCHITECTURAL THIN BRICK

## Available Colors



105 Fieldstone



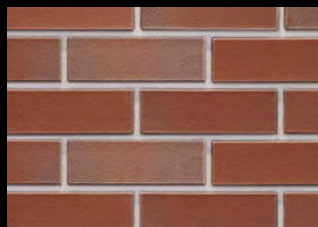
310 Main Street



505 Monument



507 Empire



350 Main Street  
Flashed



365 Schoolhouse  
Red Flashed



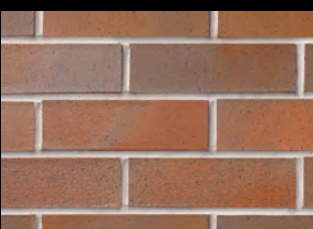
710 Charcoal



320 Schoolhouse

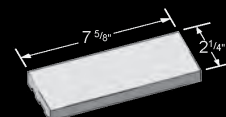


458 Brownstone  
Flashed

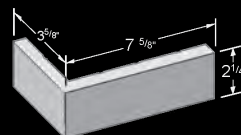


29F  
Copper-Ironspot

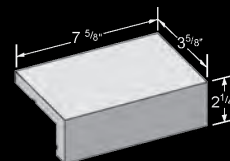
## Available Shapes



**Modular**  
2 1/4" x 7 5/8"



**Modular Corner**  
2 1/4" x 3 5/8" x 7 5/8"



**Modular Edge Cap**  
2 1/4" x 3 5/8" x 7 5/8"

## Blend Options



Fast Ship Blend 1



Fast Ship Blend 2



Fast Ship Blend 3



Fast Ship Blend 4



Fast Ship Blend 5



Fast Ship Blend 6



Fast Ship Blend 7

\*Most items listed can be shipped within five days of placing the order

\*\*Levels of inventory vary.

Our ability to fast ship is based on a first-come, first-served basis. Levels of inventoried items will fluctuate. Inventory is designed to assist in quick turn around for smaller quantity orders - normally under 10,000 sq. ft. Lead time for blends is approximately two to four weeks.

Please Note: Colors are as accurate as printed representations can be. For final color selection, refer to current actual color samples.



# IMPERIAL *Blend Series*

**METROBRICK®**  
ARCHITECTURAL THIN BRICK

- Sophisticated Richness
- Versatility
- Historic Charm

The *New* Imperial Blend Series offers the most eye-catching blends of MetroBrick colors ever. Each blend is an exquisite collection of rich, timeless colors inspired by it's history and heritage.



Avondale Blend



Bessemer Blend



Lehman Blend



McKinley Blend



Moonlight Blend



Ridgewood Blend

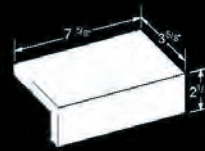
## Standard Size is Modular



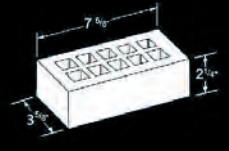
**Modular**  
2 1/4" x 7 5/8" x 3 5/8"



**Modular Corner**  
2 1/4" x 3 5/8" x 7 5/8" x 3 5/8"

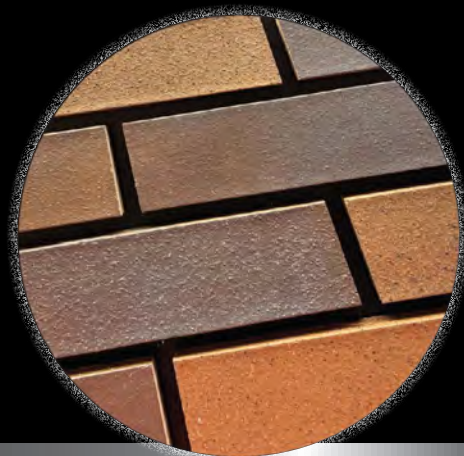


**Modular Edge Cap**  
2 1/4" x 3 5/8" x 7 5/8" x 3 5/8"



**Modular Full Brick**  
2 1/4" x 3 5/8" x 7 5/8" x 3 5/8"

- Pre-built blends - Just Select and Order!
- Meets the PCI Standard for thin brick
- Available in all MetroBrick sizes
- Made-to-Order Product



Made in the U.S.A.



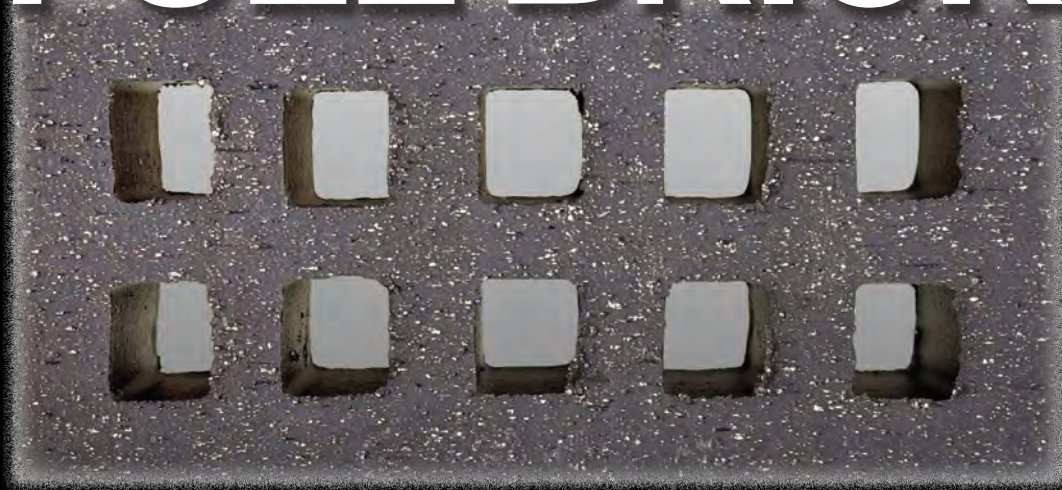
info@apformliner.com  
610-824-3322  
www.apformliner.com



**FBX**  
*Grade*

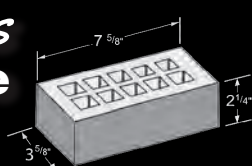
**METROBRICK®**  
ARCHITECTURAL THIN BRICK

# FULL BRICK

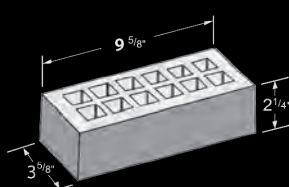


Introducing our expanded full brick capabilities. Designed for those seeking the timeless beauty and durability of traditional brick, our FBX-Grade full brick line offers an unmatched aesthetic and structural integrity. Our full bricks are crafted with the same care and precision as our thin brick products, ensuring a seamless blend of style and strength. Elevate your design vision and enjoy the enduring appeal of full brick - the ultimate choice for lasting elegance.

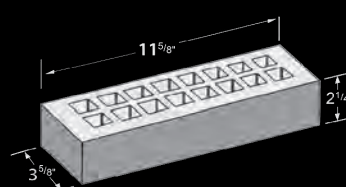
## *Sizes* Available



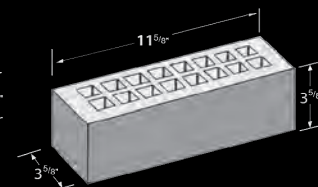
**Modular**  
7 5/8" x 2 1/4" x 3 5/8"



**King**  
9 5/8" x 2 1/4" x 3 5/8"

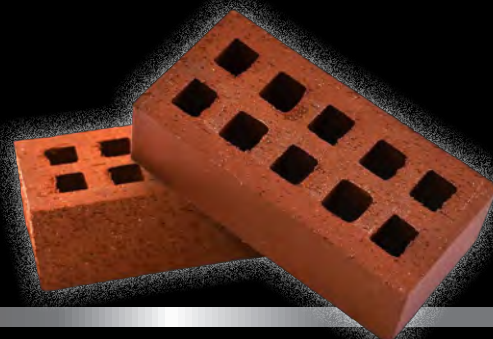


**Norman**  
11 5/8" x 2 1/4" x 3 5/8"



**Utility**  
11 5/8" x 3 5/8" x 3 5/8"

- Available in all MetroBrick textures and colors
- Faced on both sides
- Compliments our existing TBX-Grade thin brick
- Available in quantities as little as 2,500 pcs



Made in the U.S.A.

info@apformliner.com  
610-824-3322  
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# DON'T CUT BRICK *Any more!*

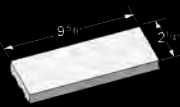
**METROBRICK®**  
ARCHITECTURAL THIN BRICK

**NEARLY ANY SIZE BRICK CAN BE EXTRUDED  
TO REDUCE CUTTING BRICK IN YOUR PLANT.**

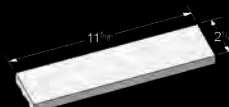
Our ability to extrude thin brick to a tight tolerance reduces your plant labor and gives you more brick coursing options.



**Modular**  
2 1/4" x 7 5/8"



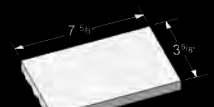
**King**  
2 1/4" x 9 5/8"



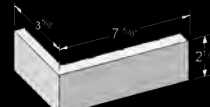
**Norman**  
2 1/4" x 11 5/8"



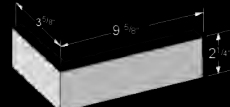
**Utility**  
3 5/8" x 11 5/8"



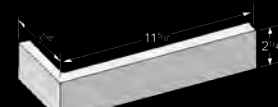
**Closure**  
3 5/8" x 7 5/8"



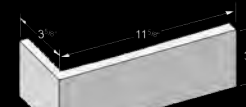
**Modular Corner**  
2 1/4" x 3 5/8" x 7 5/8"



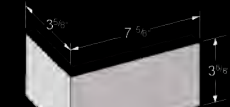
**King Corner**  
2 1/4" x 3 5/8" x 9 5/8"



**Norman Corner**  
2 1/4" x 3 5/8" x 11 5/8"



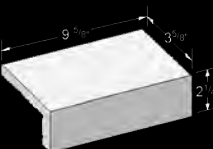
**Utility Corner**  
3 5/8" x 3 5/8" x 11 5/8"



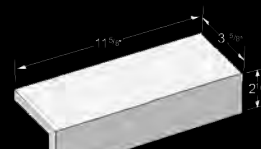
**Closure Corner**  
3 5/8" x 3 5/8" x 7 5/8"



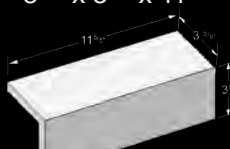
**Modular Edge Cap**  
2 1/4" x 3 5/8" x 7 5/8"



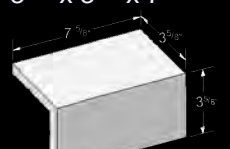
**King Edge Cap**  
2 1/4" x 3 5/8" x 9 5/8"



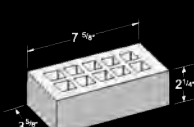
**Norman Edge Cap**  
3 5/8" x 2 1/4" x 11 5/8"



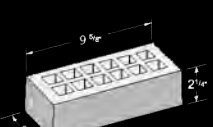
**Utility Edge Cap**  
3 5/8" x 3 5/8" x 11 5/8"



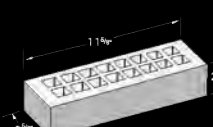
**Closure Edge Cap**  
3 5/8" x 3 5/8" x 7 5/8"



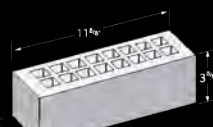
**Full Brick Modular**  
2 1/4" x 7 5/8" x 3 5/8"



**Full Brick King**  
2 1/4" x 9 5/8" x 3 5/8"



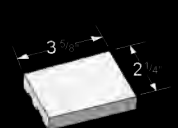
**Full Brick Norman**  
2 1/4" x 11 5/8" x 3 5/8"



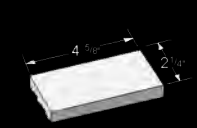
**Full Brick Utility**  
3 5/8" x 11 5/8" x 3 5/8"



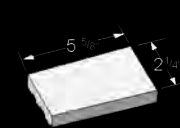
**1" Leg Corner**  
2 1/4" x 1" x 7 5/8"



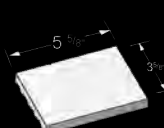
**Half Modular**  
2 1/4" x 3 5/8"



**Half King**  
2 1/4" x 4 5/8"



**Half Norman**  
2 1/4" x 5 5/8"



**Half Utility**  
3 5/8" x 5 5/8"



**2" Leg Corner**  
2 1/4" x 2" x 7 5/8"

Above are a number of standard and custom size options possible.  
Call for availability, pricing and capabilities for your specific project.



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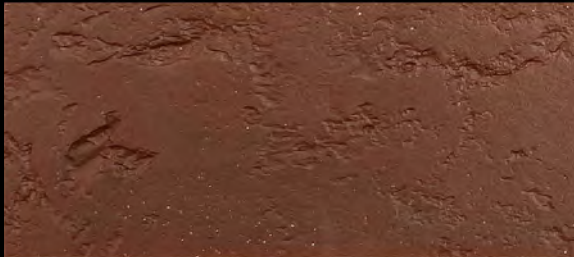
## Brick Textures



Standard Colors

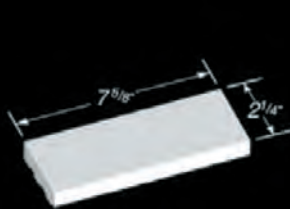


Olde Towne Series

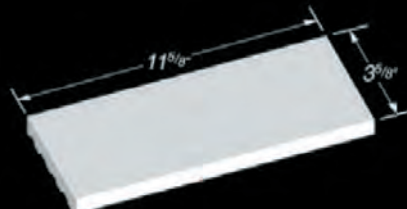


Landmark Series

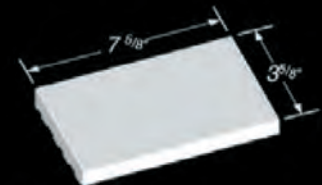
## Brick Sizes



**Modular**  
2 1/4" x 7 5/8"



**Utility**  
3 5/8" x 11 5/8"

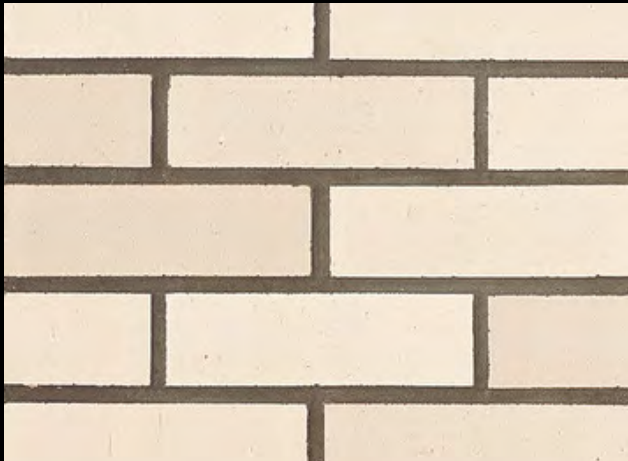


**Closure**  
3 5/8" x 7 5/8"

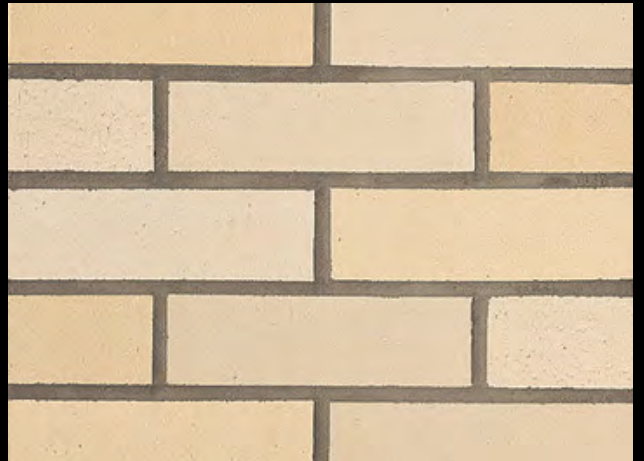
\*Note:

Closure size available by special order only. Minimum quantities may be required.

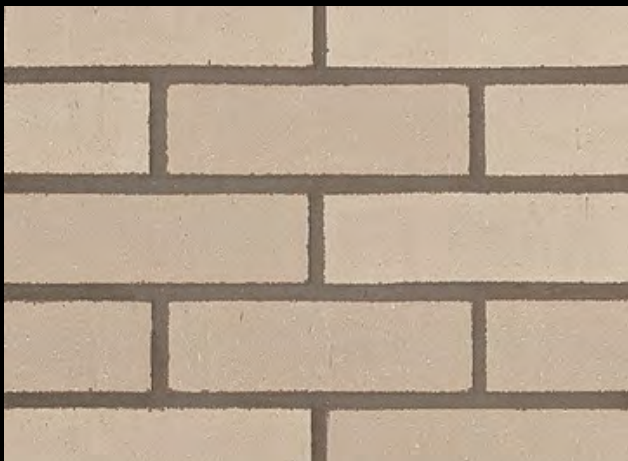




#26 Savannah



#27 Georgetown

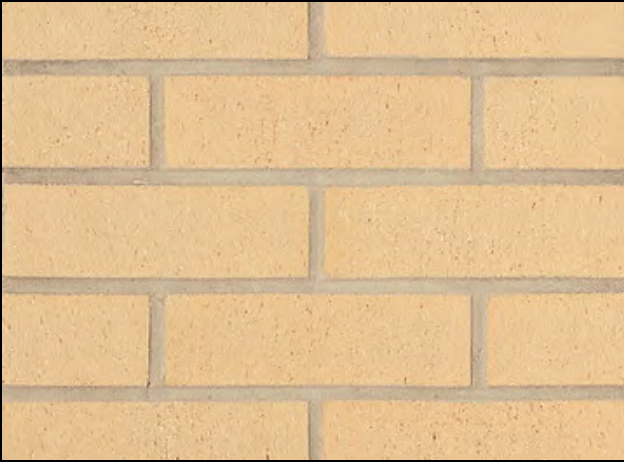


#21 Raleigh

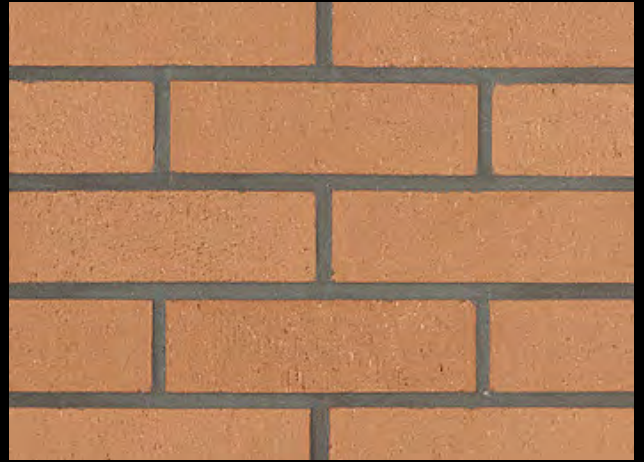


#96 Williamstown

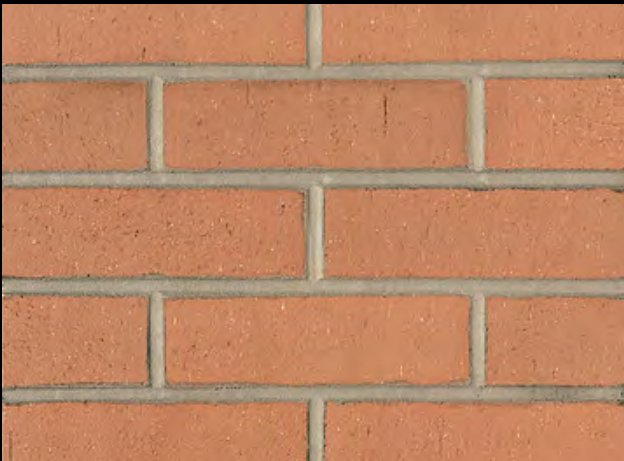




#94 Colony



#17 Yorktown

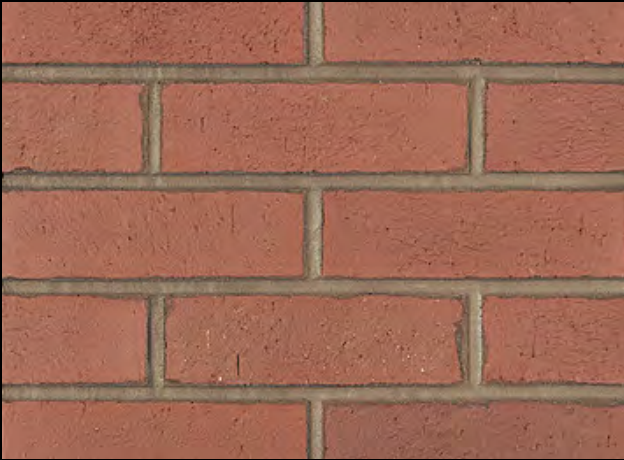


#95 New Bedford



#10 Summitville Red





#15 Providence



#19 New Amsterdam



#16 Plymouth

***\*Note:***

***#10 Summitville Red  
and #15 Providence are  
not available in Utility size.***

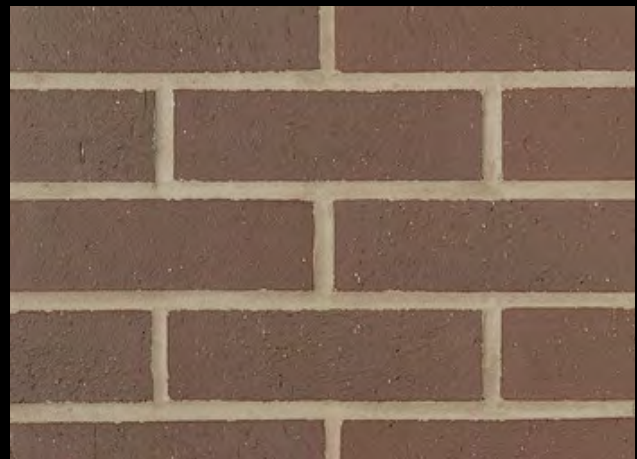




#14 Alexandria



#81 Charcoal



#97 Valley Forge



#24 Boston

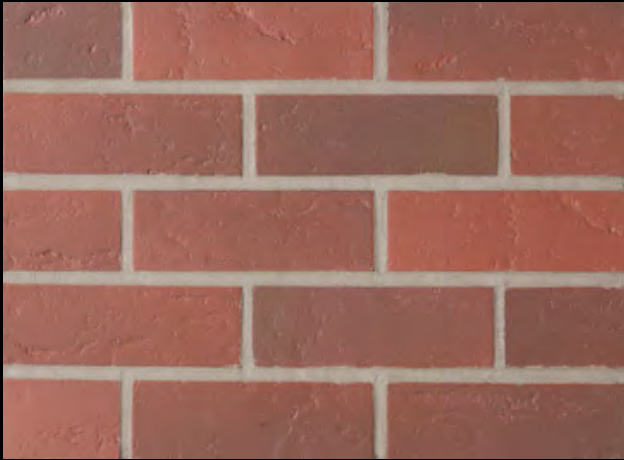


#400 Downing Street





## Landmark Series



01009 Elkton

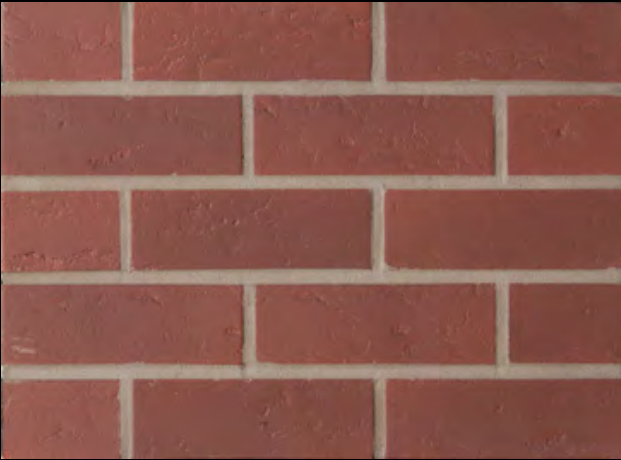


01024 Fredericktown





## Landmark Series



01012 Dungannon



01006 Olde Salem



01034 Hanover

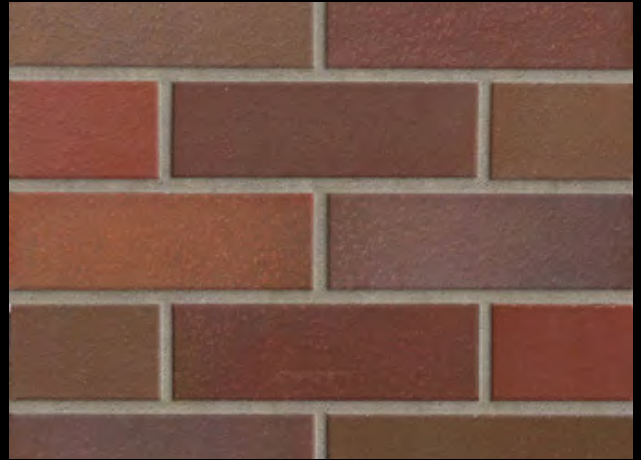




## Olde Towne Series



#B505 Olde Germantown



#B506 Olde Jamestown



#B510 Olde Charleston Colonial



#510 Olde Charleston





## Olde Towne Series



#B594 Olde Chicago Colonial



#594 Olde Chicago



#B595 Olde Tavern Colonial



#595 Olde Tavern

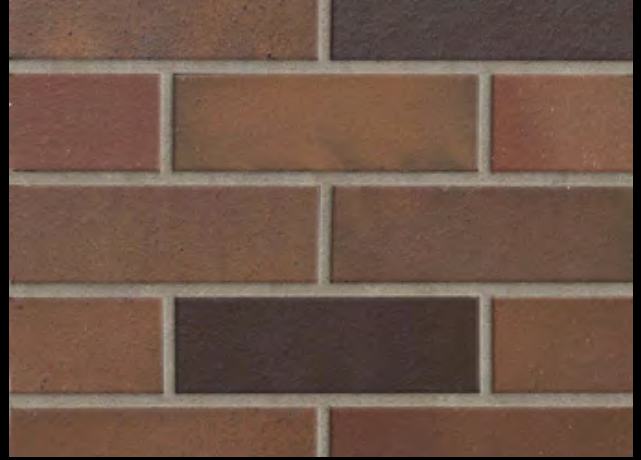




## Olde Towne Series



#596 Olde Manhattan



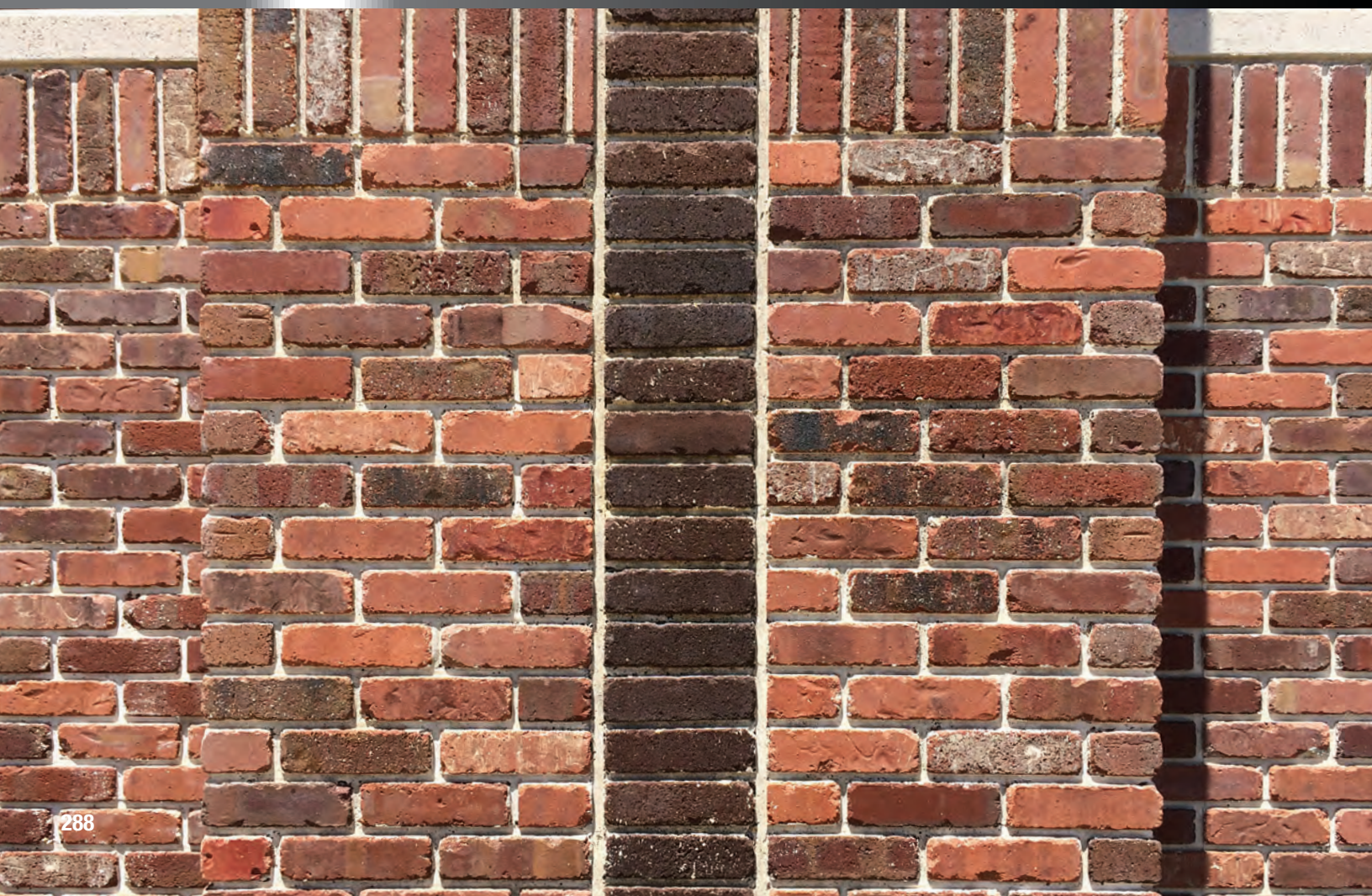
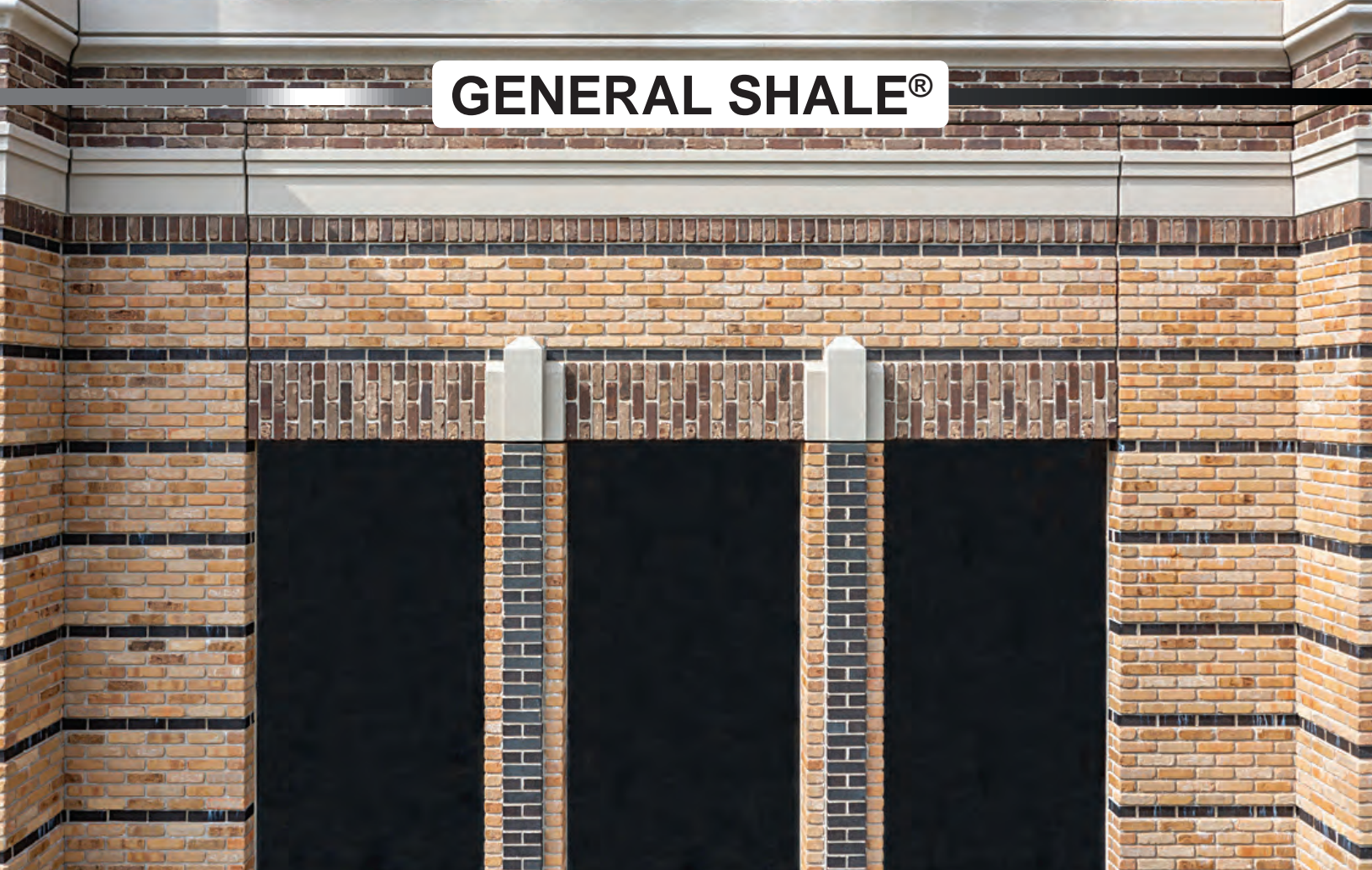
#B597 Olde Philadelphia  
Colonial



#597 Olde Philadelphia



# GENERAL SHALE®





# GENERAL SHALE®



Carriage House



Schoolhouse



City Hall



Smokestack



English Pub



Town Square



Ironworks



Train Station



Peppermill



Cornerstone



# PCI Specification for Embedded Clay Thin Brick

## A. THIN BRICK

1. Thickness: Not less than 1/2 in. (13mm) nor more than 1 in. (25mm)
2. Face size: Modular: 2 1/4 in. (57mm) high by 7 5/8 in. (190mm) long  
                   Norman: 2 1/4 in. (57mm) high by 11 5/8 in. (290mm) long  
                   Closure modular: 3 5/8 in. (90mm) high by 7 5/8 in. (190mm) long  
                   Utility: 3 5/8 in. (90mm) high by 11 5/8 in. (290mm) long
3. Size, Color, Texture (Match Architect's approved samples/existing brickwork)
4. Special shapes: Include edge corners and end edge corners
5. Back surface texture (Scored, combed, ribbed, wire roughened, keybacked, dovetailed)

## B. DIMENSIONAL TOLERANCES - measure in accordance with ASTM C67

1. Thickness: Plus 0 in., minus 1/16 in. (+0, -1.6mm)
2. Face size: Plus 0 in., minus 1/16 in. for dimensions 8 in. (200mm) or less  
                   Plus 0 in., minus 3/32 in. (+0, -2.4mm) for dimensions greater than 8 in. (200mm)
3. Warpage: Not more than 1/16 in. (1.6mm) either concave or convex from a consistent plane
4. Out of square: Plus or minus 1/16 in. ( $\pm$ 1.6mm)
5. Shape angle: Plus or minus 1 degree from specified angle

## C. PROPERTIES

1. Breaking strength: Not less than 250 psi (1.7 MPa) tested in accordance with ASTM C67
2. Cold water absorption: Maximum 6% at 24 hours tested in accordance with ASTM C67
3. Efflorescence: Rated "not effloresced" when tested in accordance with ASTM C67
4. Freeze thaw resistance:
  - A. Uncoated brick: No detectable deterioration (spalling, cracking, or breaking) after 300 cycles tested in accordance with ASTM C666, Method A or B on assembled specimens.
  - B. Surface coloring: No observable difference in the applied finish when viewed at a distance of 20 ft. (6m) after 50 cycles tested in accordance with ASTM C67. In addition, the brick shall undergo ASTM C666 test described above.
5. Pull-out strength: Not less than 150 psi (1.0 MPa) from base concrete before and after freeze thaw testing tested in accordance with specified modification to ASTM E488.
6. Chemical resistance: Rated "not affected" when tested with 10% hydrochloric acid solution in accordance with ASTM C650.

## D. TESTING REQUIREMENTS:

1. Minimum number of test specimens: In accordance with appropriate ASTM specifications except as specified in D.1.a.
  - Exception for freeze thaw and pull-out strength tests: Ten (10) assembled specimens measuring 8 in. by 16 in. (200mm by 405mm) long with the brick embedded into the concrete substrate (assembled specimens). The ten (10) assembled specimens are divided into five (5) Sample A assemblies and five (5) Sample B assemblies. The precast concrete substrate shall have a minimum thickness of 2-1/2 in. (63mm) plus the embedded brick thickness. The precast concrete shall have a minimum compressive strength of at least 5000 psi (34.5 MPa) and 4 to 6% entrained air. The embedded brick coursing pattern for testing purposes shall be modular size brick on a half running bond pattern with a formed raked joint geometry of no less than 3/8 in. (9mm) wide and a depth no greater than 1/4 in. (6mm) from the exterior face of the brick.

One brick from the center of each sample assembly shall be tested for pull out strength. Each Sample B assembly shall first be tested for freeze thaw resistance. In place of anchor specified in ASTM E488, use 3/8 in. (9mm) minimum thickness steel plate of same size as single brick face bonded with epoxy to a single brick face for each pull-out strength test. The steel plate shall have a centrally located pull-rod welded to the plate.

2. Back surface texture of samples for pull-out strength and freeze thaw resistance testing shall be the same.
3. Frequency of testing:
  - Dimensional tolerances shall be checked prior to shipping on each run of brick supplied to the project.
  - Cold water 24 hour absorption testing shall be conducted on every clay body/color of project specific brick prior to each shipment. Submit written documentation. The buyer reserves the right to conduct the same test prior to first shipment.
  - All other tests specified shall be conducted for each clay body at an accredited laboratory at least every six years.



## ENVIRONMENTAL ADVANTAGES

### Sustainability

Because thin brick absorptions are much less than full bed brick, spalling and efflorescence are reduced or eliminated. The building facade can basically last forever. With the thin brick attached to a wall system, minor repairs require only the removal of the affected bricks. Full bed brick building repairs are much more costly and difficult. Since thin brick is not a structural element and each brick is independently adhered to the wall, cracks don't form between bricks like in full bed brick.

### Weight Advantage (Full Brick Comparison)

- Thin brick weighs 20% of full bed brick.
- Thin brick uses 20% of the raw material clay and shale to produce.
- Only 20% of the trucking is used to get the raw material from the mine to the factory.
- Thin brick uses 20% of the amount of fuel (normally natural gas) to fire thin brick.
- Kiln emissions from thin brick are 20% of full bed brick.
- Delivery of finished thin brick can be done on any type of truck (Flat bed, Box, etc), allowing back hauls. Full bed brick delivery trucks are normally owned by the brick manufacturer and haul empty back to the brick plant.
- Trucks hauling full bed brick normally only carry 12,000 bricks. Trucks hauling thin brick typically haul over 60,000 bricks.
- Special cuts and sizes are available, thus saving shipping of full pieces that have to be cut at the job site and the excess discarded in landfills.



### Site Disturbance

- No special or additional foundation is required for the structural support of thin brick.
- The weight of thin brick is engineered in the wall system. Full bed brick requires additional formation for its support, requiring additional steel and concrete.
- Post installation clean up for thin brick is significantly less than full bed brick. Little or no cleaning agents are required at the job site when using thin brick.
- If thin brick is used in precast concrete or tilt-up construction, scaffolding is not needed for brick work. Panels can be erected from either outside or within the perimeter of the structure, thus allowing more existing trees to remain.

## THIN BRICK AND LEED

1) MR Credit 5: Regional Materials 1-2 pts. If a minimum of 10% of the product cost is derived from materials manufactured within 500 miles, then 1 LEED point will be awarded. If a minimum of 20% of the product cost is derived from materials manufactured within 500 miles, then 2 LEED points will be awarded. Given the job site is within 500 miles of thin brick manufacturer, the thin brick material can be considered as regional material. Given the precast plant is within 500 miles of the jobsite, the precast portion of the work can be considered as regional material.

2) ID Credit 1: Innovation in Design 1-5 pts. The basis for quantifying the point(s) for thin brick is thin brick is 80% less material than full unit masonry. The 80% environmental savings applies to the quantities of earth, water, natural gas and diesel fuel to extract, transport, process/manufacture, store, and deliver the finished product. Architectural Polymers, LLC, recommends that the LEED AP submit thin brick as an innovative material and ask to be awarded 1 to 5 points based on the amount of thin brick used on the project. If the entire exterior skin is thin brick, the LEED AP should ask for 5 points. The basis for being awarded 5 points is because thin brick affects 5 environmental categories to obtain the identical finished appearance as traditional masonry construction. If thin brick is used as accent, then the LEED AP should ask for 1 point. Asking for one point as compared to 5 points is based on the % of the overall project affected by the thin brick. Architectural Polymers, LLC, also recommends that the LEED AP ask to be awarded multiple points based on the number of different thin brick systems that are utilized on the building. For example, if thin brick is used in precast, the LEED AP should ask for 1 point. If thin brick is used in precast, cast in place, and as a field applied solution on the same project, the LEED AP should ask for 3 points. The use of a wall/construction system using thin brick may also help in the following LEED categories:

- Sustainable Sites
- Energy and Atmosphere
- Materials and Resources



Architectural Polymers, LLC, supplies architects, owners, general contractors, and precast concrete producers with the highest quality thin brick from the top manufacturers. Endicott®, General Shale®, MetroBrick®, Röben® Tonbaustoffe, Summitville®, and Hebron® offer precision thin brick in an array of sizes, colors and textures for use with the Versa-Brix® family of products. The single-source system of thin brick, single- and multi-use thin brick inlay systems, service, and accessories reduces the time and cost to the customer.

**\*Note:** Colors in this catalog are as accurate as printed representations can be. For final color selection, please refer to current actual color samples.



## Estimating Data

<b>Modular</b>	<b>6.86 pcs/sq.ft.</b>	<b>5.27#/sq.ft.</b>	<b>Modular Corner</b>	<b>4.50 pcs/lin.ft.</b>	<b>1.20# ea.</b>
<b>Closure</b>	<b>4.50 pcs/sq.ft.</b>	<b>5.26#/sq.ft.</b>	<b>Closure Corner</b>	<b>3.00 pcs/lin.ft.</b>	<b>2.00# ea.</b>
<b>Norman</b>	<b>4.57 pcs/sq.ft.</b>	<b>5.45#/sq.ft.</b>	<b>Norman Corner</b>	<b>4.57 pcs/lin.ft.</b>	<b>2.00# ea.</b>
<b>Utility</b>	<b>3.00 pcs/sq.ft.</b>	<b>5.90#/sq.ft.</b>	<b>Utility Corner</b>	<b>3.00 pcs/lin.ft.</b>	<b>2.10# ea.</b>
<b>Kingsize</b>	<b>4.80 pcs/sq.ft.</b>	<b>4.80#/sq.ft.</b>	<b>Kingsize Corner</b>	<b>4.00 pcs/lin.ft.</b>	<b>1.45# ea.</b>
<b>Roman</b>	<b>6.00 pcs/sq.ft.</b>	<b>4.68#/sq.ft.</b>	<b>Roman Corner</b>	<b>6.00 pcs/lin.ft.</b>	<b>0.80# ea.</b>
<b>Triple</b>	<b>2.25 pcs/sq.ft.</b>	<b>5.34#/sq.ft.</b>	<b>Triple Corner</b>	<b>1.50 pcs/lin.ft.</b>	<b>3.80# ea.</b>

## Thin Brick Accessories

Architectural Polymers, LLC, provides a range of accessories to complement the thin brick and Versa-Brix® product lines.

MSW 1.0 brick wax is available in quart, gallon or 5 gallon containers. A thin coating of MSW 1.0 brick wax protects the face of the thin brick for precast, cast in place and tilt up concrete projects.

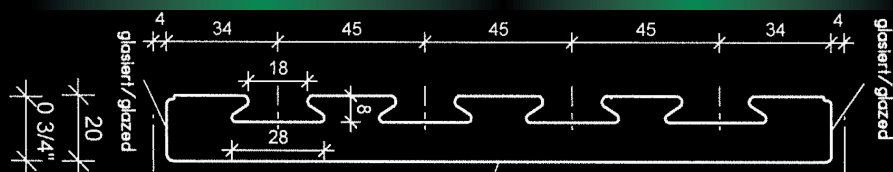
MCA 1.0 Construction Adhesive is used to adhere thin brick to plastic Form Liner. MCA 1.0 Construction Adhesive is available in either standard or inverted aerosol cans.







# Terracotta





# Terracotta for Precast

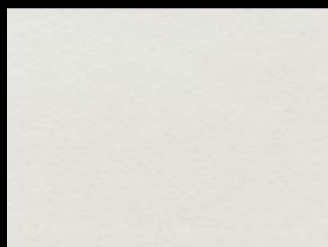




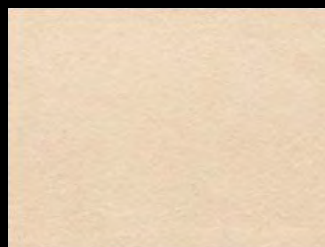




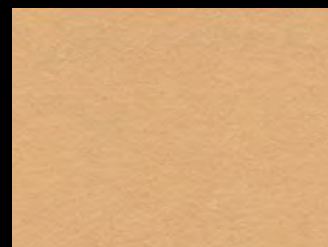
## Natura *Unglazed*



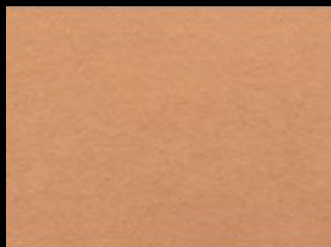
407 White H



410 Cream H



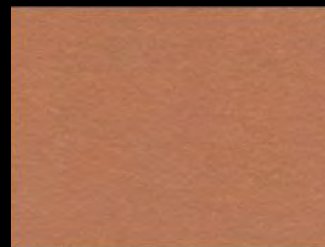
411 Ochre H



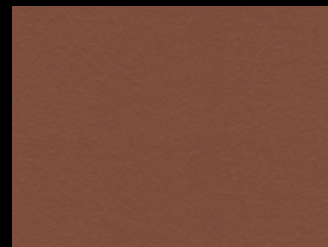
412 Salmon H



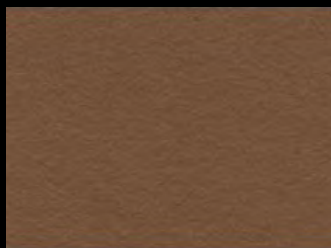
396 Salmon-Red H



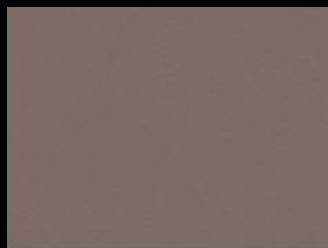
403 Red H



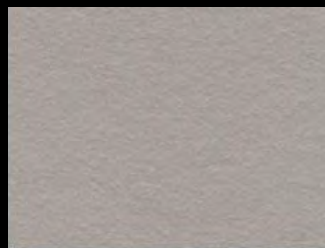
397 Brick-Red H



408 Red-Brown H



418 Brown H



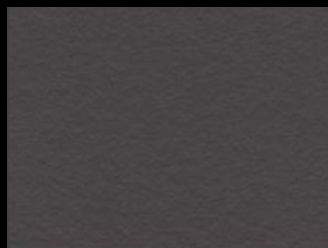
414 Light-Grey H



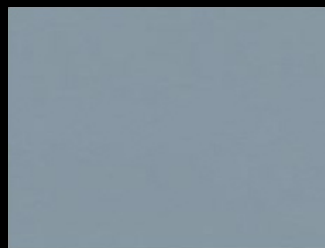
409 Iron-Grey



415 Vulcan-Grey H



419 Black H



416 Smoky-Blue H

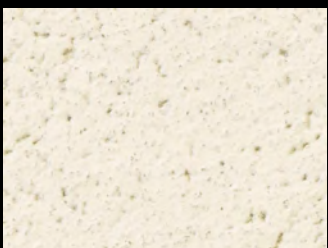


417 Patina-Green H

## Design *Unglazed*



1403 Golden Red H



1410 Golden Cream H



1414 Golden Grey H



1415 Golden Anthracite H



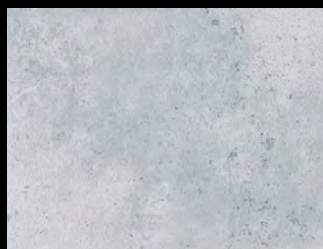




# Design *Glazed* Stone



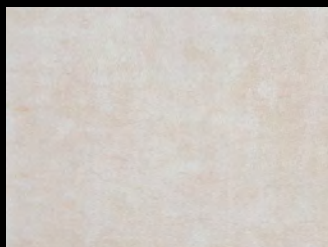
1115 Rockface 1 H



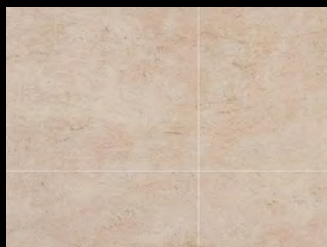
1115 Rockface 1 H



1117 Rockface 3 H



1100 Stonewall 1 H



1101 Stonewall 2 H



1102 Stonewall 3 H



1103 Stonewall 4 H



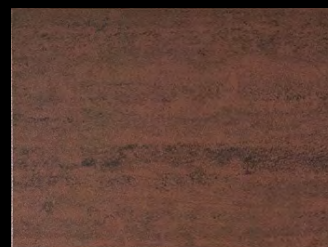
1090 Haze 1 H



1091 Haze 2 H



1093 Haze 3 H



1092 Haze 4 H



1185 Savona Lime H



1188 Savona Beige H



1189 Savona Brown H



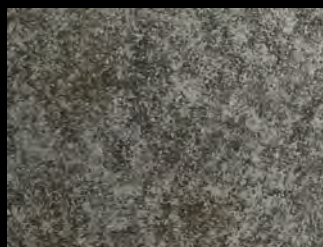
1186 Savona Grey H



1150 Quarzit White-Grey H



1151 Quarzit Sand-Beige H



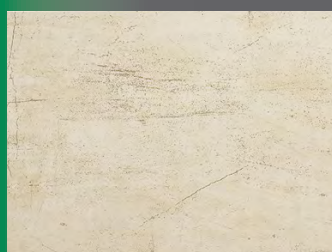
1152 Quarzit Basalt-Grey H



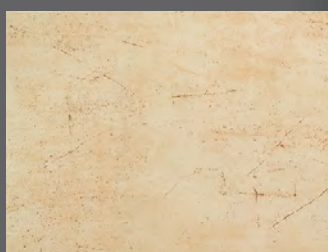
1187 Anthracite H



## Stone



1110 Mega 1 H



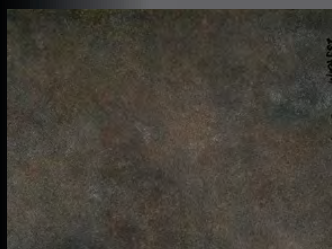
1111 Mega 2 H



1112 Mega 3 H

**Design**  
*Glazed*

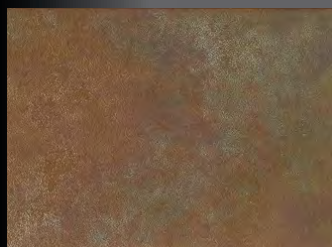
## Metal



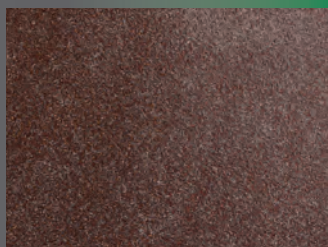
1180 Metal 1 H



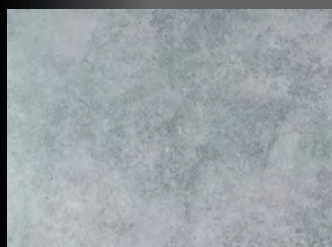
1190 Metallic 1



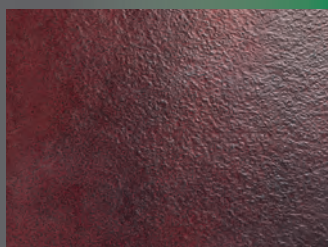
1181 Metal 2 H



1191 Metallic 2

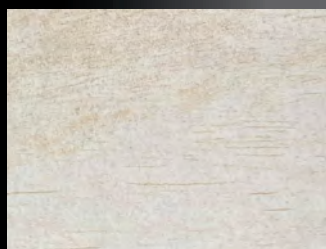


1182 Metal 3 H

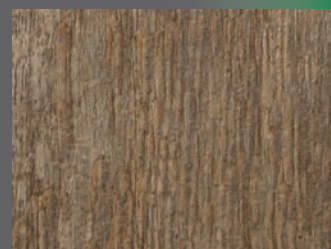


1192 Metallic 3

## Wood



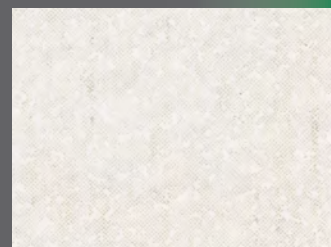
1145 Oak Cream Oak H



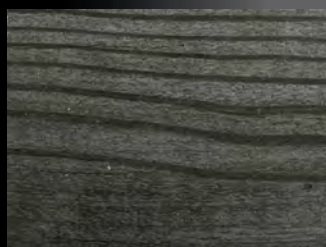
1165 Driftwood Grey-Brown H



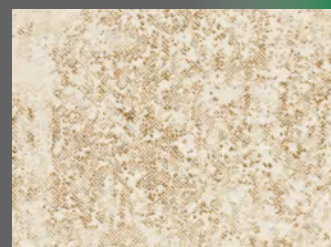
1146 Oak Natural Oak H



1170 Bosco 1 H

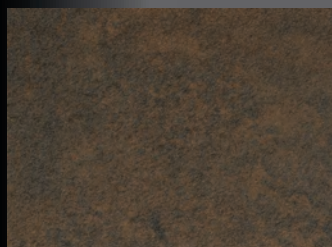


1147 Oak Anthracite Oak H

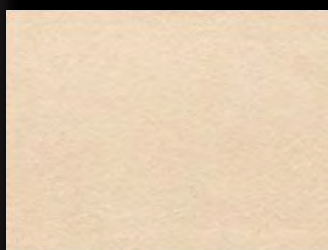


1171 Bosco 2 H

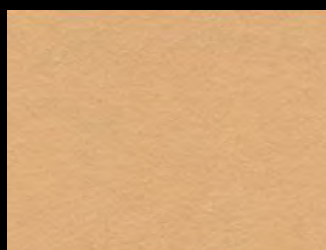
## Cement



1155 Vertical Streetlife  
Rush H



1140 Construct 1 H



1141 Construct 2 H



1172 Bosco 3 H



# SpectraView

*Glazed, Silky-matt*



6201 Cream 1 H



6202 Cream 2 H



6203 Cream 3 H



6204 Cream 4 H



6205 Cream 5 H



6211 Yellow 1 H



6212 Yellow 2 H



6213 Yellow 3 H



6214 Yellow 4 H



6215 Yellow 5 H



6221 Apricot 1 H



6222 Apricot 2 H



6223 Apricot 3 H



6224 Apricot 4 H



6225 Apricot 5 H



6231 Salmon-Red 1 H



6232 Salmon-Red 2 H



6233 Salmon-Red 3 H



6234 Salmon-Red 4 H



6235 Salmon-Red 5 H



6241 Pink 1 H



6242 Pink 2 H



6243 Pink 3 H



6244 Pink 4 H



6245 Pink 5 H



6251 Neutral-Grey 1 H



6252 Neutral-Grey 2 H



6253 Neutral-Grey 3 H



6254 Neutral-Grey 4 H



6255 Neutral-Grey 5 H



# SpectraView

*Glazed, Silky-matt*



6261 Grey 1 H



6262 Grey 2 H



6263 Grey 3 H



6264 Grey 4 H



6265 Grey 5 H



6271 Blue 1 H



6272 Blue 2 H



6273 Blue 3 H



6274 Blue 4 H



6275 Blue 5 H



6281 Green 1 H



6282 Green 2 H



6283 Green 3 H



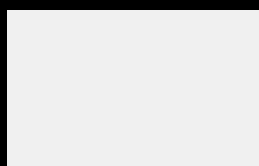
6284 Green 4 H



6285 Green 5 H



4230 Glacier-White, Glossy H



4234 Chalk-White, Matt H



4530 Black, Glossy H



4534 Black, Matt H

## Contrasting Colors

*Glazed, Glossy*



144 Intense Blue H



150 Lemon-Yellow H



151 Orange H



152 Apple-Green H



153 Violet H



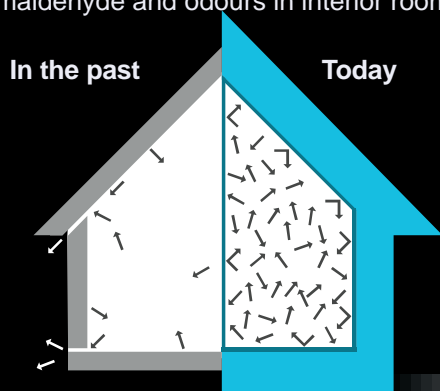
154 Contrasting Red H



## Healthy building and living with Hytect-coated tiles

As we are spending 90 % of our lifetime in rooms (source: Sentinel Haus Institut 2014), it is important to be able to rely on a healthy living environment. The major part of the AGROB BUCHTAL product range is provided with the Hytect coating and thus makes an essential contribution to healthy living.

- **Hytect** inhibits the growth of fungi, bacteria and other microorganisms
- **Hytect** makes the cleaning of the surface easier
- **Hytect** helps to decompose air pollutants such as formaldehyde and odours in interior rooms



### And all that solely thanks to the effect of light!

The obligation with regard to energy-efficient building has led to an increasing tightness of the building shells in the last years, so that it is more difficult for odours and pollutants to get outside than in the past. Therefore, it is important at the planning and execution of interior rooms to avoid substances harmful to health and to make an intelligent choice of the materials used in the interior. However, not only the building materials themselves may contribute to the pollution of the indoor air. Floor coverings, laying materials and furniture can also cause increasing concentrations of volatile organic compounds (VOC) in hermetically sealed buildings. With **Hytect**, architects and planners counteract these secondary effects.



Pollutants



Air-tight building shell



Insulation

## This is how the Hytect technology works

Titanium dioxide (TiO<sub>2</sub>) is inseparably and durably baked onto the ceramic surface at high temperature. As catalyst, which is not used up, it effects a reaction activated by light (photocatalysis) with oxygen and air humidity practically for a tile life long. In this way, activated oxygen and a hydrophilic, water-friendly ceramic surface are produced. The activated oxygen now fulfils three decisive functions:

1. Directly on the surface of the ceramics, it decomposes microorganisms such as bacteria, fungi and germs and inhibits the growth. Thus, Hytect establishes new standards in all areas where particular importance is attached to cleanliness and hygiene.
2. Water does not form drops which are repelled or dry on the surface without any effect, but a very thin film. This water film effects that smallest dirt particles and residues difficult to remove under normal conditions (e.g. grease) are thoroughly infiltrated, detach themselves from the surface in this way and can be easily wiped away. This saves time and cleaning agents, which is advantageous both for persons and the environment.
3. Unwelcome odours and air pollutants such as formaldehyde or nitrogen oxides are decomposed. In this way, the ambient air is considerably improved. This is particularly comfortable not only in sanitary facilities or kitchen areas, but also permits an agreeable working in company buildings and creates a healthy ambience of well-being in private areas.

### AREAS IN WHICH HYGIENE AND CLEAN AIR ARE PARTICULARLY IMPORTANT:

- Private bathrooms
- Representative rooms/catering trade
- Sanitary rooms
- Swimming pools and wellness areas
- Medical areas
- Facades



Made in the U.S.A.

info@apformliner.com

610-824-3322

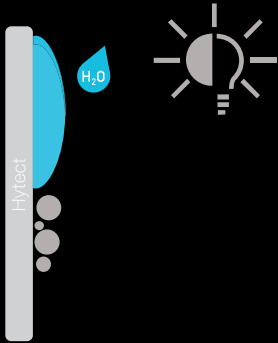
www.apformliner.com



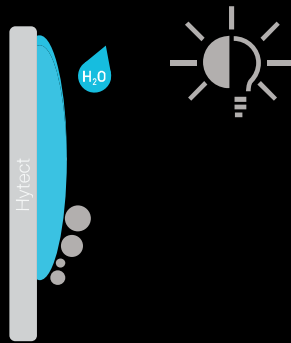
# THE Effects!



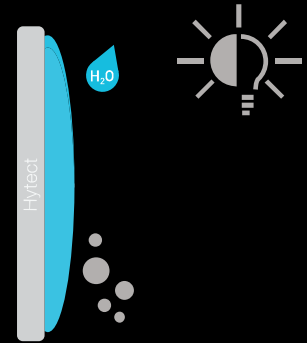
## EXTREMELY EASY TO CLEAN



- 1** The surface tension of the water is overcome.

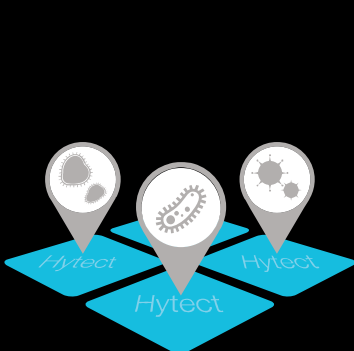


- 2** A thin water film forms.

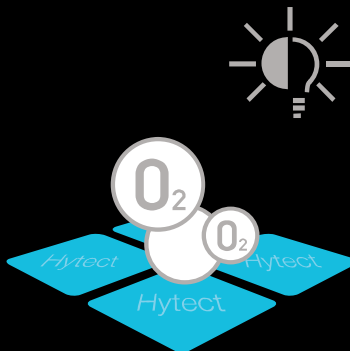


- 3** Dirt particles are infiltrated and can be easily removed.

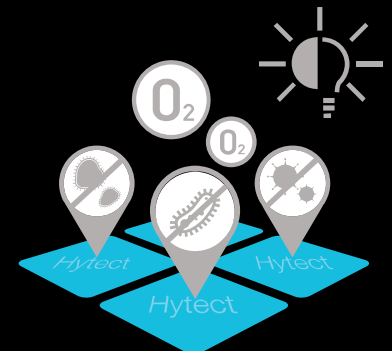
## EFFECTIVE AGAINST FUNGI AND BACTERIA



- 1** Microorganisms come into contact with the ceramic surface.

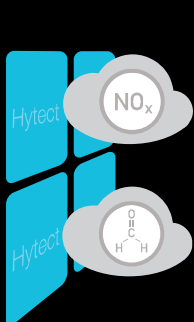


- 2** Oxygen in the air is activated by the effects of light and with the aid of the catalyst.

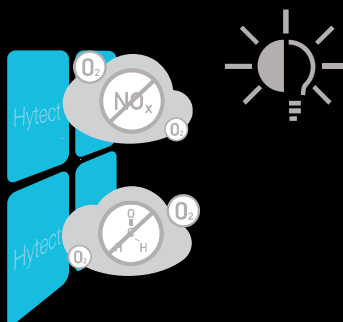


- 3** Bacteria are decomposed and regrowth impeded.

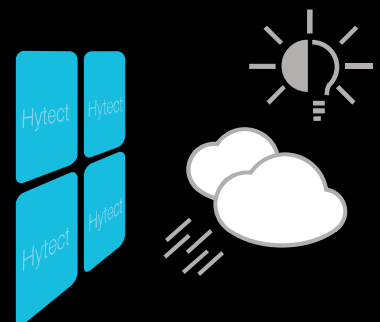
## ACTIVE BREAKDOWN OF AIR POLLUTANTS



- 1** Pollutant molecules such as formaldehyde and nitric oxides come into contact with the ceramic surface.



- 2** The activated oxygen transforms pollutants into harmless compounds.



- 3** These harmless compounds are released into the air.



### AP 2550 Form Oil

2550 Form Oil is a chemical release agent specially formulated to give easy release of plastic and thermoplastic mold liners providing high quality surface finishes to concrete. i.e. Polypropylene, ABS, Polyurethane, some latex and rubber molds etc.

2550 Form Oil is suitable for use on plastic mold liners with excellent results. It is a suspension and sediment free, highly mobile liquid, which can be used in fine sprays without clogging the jets. There is no unpleasant odor, even when using a fine fog spray. Provides a quick, positive release of molds, reducing labor costs and damage to molds. Very economic coverage rates can be obtained without difficulty. 2550 Form Oil may be used for metal or timber mold boxes holding the mold liner, allowing easy cleaning of all equipment. It retains its mobility at low temperatures. It drastically reduces the incidence of blowholes, surface blemishes and staining. It may be applied immediately prior to casting, or treated molds may be left until apparently dry.

### AP Form Liner Glue

AP Form Liner Glue consists of two liquids: Part A and Part B. After mixing by weight or volume into a water-like self-leveling liquid or thick trowelable consistency, AP Form Liner Glue will cure overnight to bond any two porous or polyurethane components.



### MCA / MCIA Construction Adhesive

MCA / MCIA Construction Adhesive is used to adhere thin brick to plastic Form Liner.

Construction Adhesive from Architectural Polymers, LLC, is available in either standard (MCA 1.0) or inverted (MCIA 1.0) aerosol cans.



### MSW Brick Wax

A thin coating of MSW 1.0 brick wax protects the face of the thin brick for precast, cast in place and tilt up concrete projects.

MSW 1.0 brick wax is available in quart, 1-gallon or 5-gallon containers.

### EaCoChem Brick Cleaner

OneRestore is a breakthrough product that provides remarkable versatility, cleaning power and safety all in one. Capable of removing the deepest stains from virtually any surface, it is also used to safely restore glass and anodized aluminum.

### Laticrete Epoxy Bond Adhesive

LATAPOXY 300 Adhesive is a chemical resistant, epoxy adhesive that will bond to most sound, clean surfaces. Adhesive spreads easily and cleans with water while fresh. LATAPOXY 300 Adhesive is a factory-proportioned kit consisting of epoxy resin, hardener and chemical resistant silica filler. LATAPOXY 300 Adhesive can be used in interior and exterior (see limitations) walls and floors, wet and dry areas.

### AP 75-70 Liquid Rubber

AP 75-70 Liquid Rubber is a two-part, liquid polyurethane system that cures (RTV) to a gray, Shore A70 rubber. This is a pourable rubber, but it can be easily thickened with PolyFiber II Thickener for brush-on application.

### AP 75-65 Liquid Rubber

AP 75-65 Liquid Rubber is a two-part, liquid polyurethane system that cures (RTV) to a yellow, Shore A65 rubber. This is a pourable rubber, but it can be easily thickened with PolyFiber II Thickener for brush-on application.

### AP 74-45 Liquid Rubber

AP 74-45 Liquid Rubber is a two-part, liquid polyurethane system that cures (RTV) to a yellow, Shore A45 rubber. This is a pourable rubber, but it can be easily thickened with PolyFiber II Thickener for brush-on application.



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# Architectural Polymers, LLC

## Leader in Concrete Form Fabrication

Architectural Polymers, LLC, has been a leader and innovator in the concrete form fabrication industry for 30 years, offering concrete solutions to meet the individual needs of your pre-cast, tilt-up, and cast-in-place construction projects. We developed a vast array of innovative methods that offer a superior solution to traditional brickwork and masonry and benefit the architectural community. Applications range from high quality concrete form liner molds for decorative concrete art on North America's highways to custom manufacturing thin brick inlay systems to clad schools, hospitals, commercial office buildings, condominiums, and parking decks. At Architectural Polymers, LLC, we thrive on finding cost-effective solutions resulting in beautiful and decorative concrete structures.

By way of continued excellence, Architectural Polymers, LLC, supplies architects, owners, general contractors, and precast concrete manufacturers with the top choices of quality thin brick approved by the Precast/Pre-Stressed Concrete Institute. We partnered with respected thin brick manufacturers such as MetroBrick®, Summitville®, Endicott®, General Shale®, Röben®, and Hebron® to offer their product lines along with the Versa-Brix® family and other veneer panel systems for non-concrete materials. As a system of thin brick, single- and multi-use thin brick concrete form liners, service, and accessories, this partnership, utilized in its entirety, reduces the cost to the consumer.

From the Versa-Brix® Brick Inlay System and concrete form liners to customized concrete art and concrete photo engravings, Architectural Polymers, LLC, offers a wide-range of solutions for your concrete construction needs. Benefit from the experience, advanced technology, and high-quality concrete products Architectural Polymers, LLC, has to offer.

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