



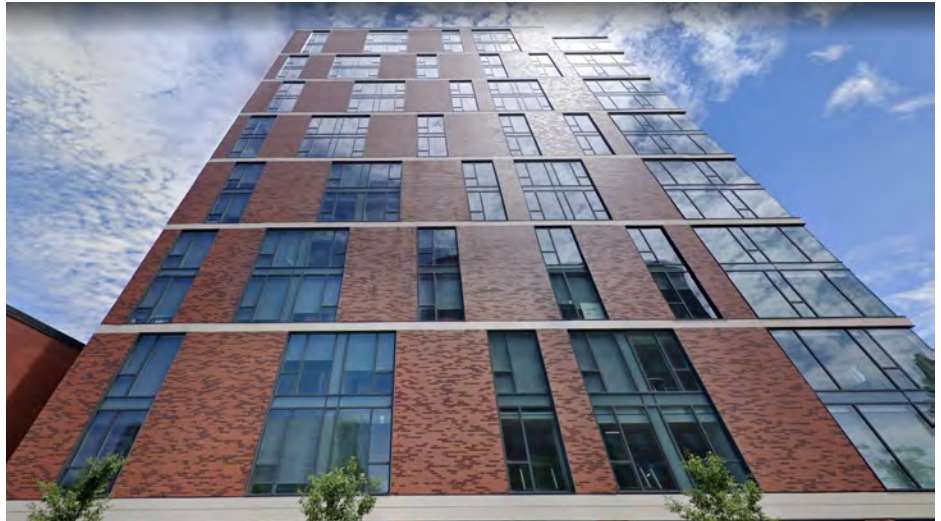
The Corium® Cladding System



Corium is the brick cladding system brand of Wienerberger and Telling is the North American distributor.



Corium, an award winning innovation.



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What is Corium?

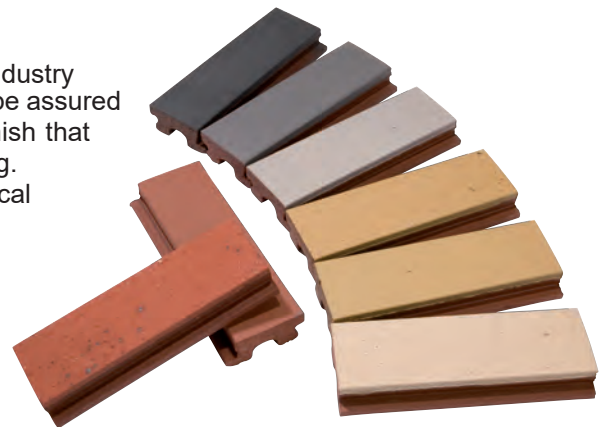
Corium is a unique and versatile brick cladding system that combines the natural beauty of high quality genuine bricks with a simple and cost-effective installation. It offers a true brick veneer that can be installed in a rainscreen, back ventilated assembly or a traditional cavity wall.

The revolutionary Corium system comprises genuine brick tiles specially designed to mechanically attach to Magnelis coated steel trays. The trays interlock together forming a drainage plane and are mounted onto supports forming a rainscreen cavity. The brick tiles are then clipped into place. A well designed tray that not only sheds water but keeps your bricks in place without the use of adhesives!

This mechanical “clipping” feature is unique to Corium and ensures permanent mechanical attachment, a high strength façade and uniform mortar joints.

An innovative and versatile solution, Corium brings exciting new design flexibility to brick veneers including bond patterns, trim features, color and texture combinations. Custom solutions also available!

Patented worldwide; and industry tested and approved, you can be assured of a strong, durable, quality finish that will last the life of your building. Corium has worldwide technical patent approvals. Patent number 2331770.





The Benefits of Using Corium®

Rainscreen Design

Corium is a high performance rainscreen/back ventilated wall assembly that also provides Continuous Insulation meeting the principles of ASHRAE 90.1.

Design Flexibility

While traditional brick corners and returns are available, with Corium you can add to your design with aluminum feature strips at corners, mid field and window returns. Available in custom colors and textures, Corium is designed to blend with or compliment new construction or recladding projects.

Bond Pattern Options

Running bond, stacked bond and angled bonds are possible with Corium to achieve more dynamic finishes, or even overhead to create soffits and ceilings.

Speed and Simplicity

Built in quality control features open up a whole new set of possible installers with the Corium system. Installing the Corium brick system can be up to three times faster than traditional hand laid brick.

Strong and Durable

Corium is strong, with galvanized steel or Grade 304 stainless steel backing section (stainless steel below grade), and using high density, high compressive strength, frost resistant brick tiles, the system is designed to last the life of the building.

Versatile and Cost Effective

At only 14 pounds per square foot Corium is suitable for use with a wide range of substrates including light gauge steel framing, concrete, steel, masonry, wood-frame, continuous insulation systems, and insulated metal panels. Savings from the elimination of relieving angles, lintels, using lighter steel gauge backup walls, and less concrete, accumulate on every project.

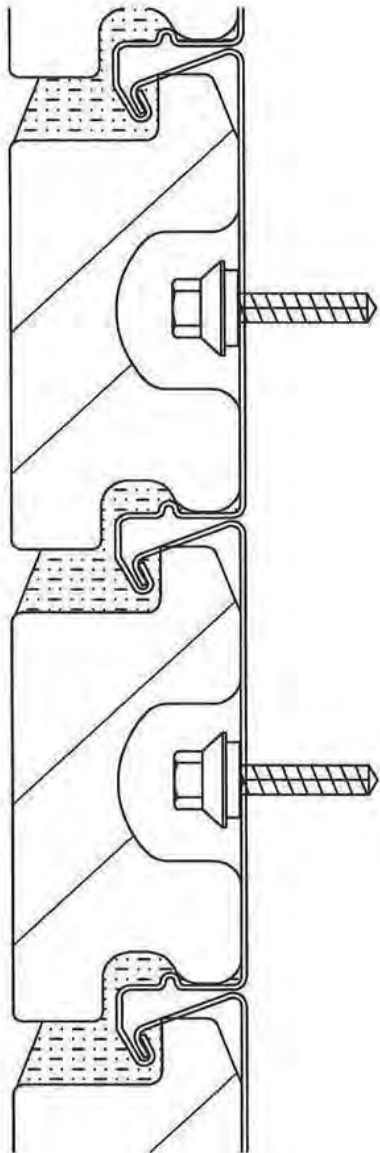
Designing with Corium can significantly reduce construction time.

Key Features

- Durable and sustainable
- Non-combustible
- High-rise capable brick system
- Saves time and money
- Design flexibility
- Unlimited range of colors
- Extensive texture range
- Industry tested and certified
- Lightweight & versatile
- No Efflorescence
- 100% Recycled Trays

"Changing to lightweight brick, the savings underground paid for the cladding!"

Easy to use, simple to install.



Use and Installation

Corium is installed by carpenters, glazers, sheet metal contractors, and brick masons working from mobile platforms, scissor lifts, mast climbers or traditional scaffolding.

Corium can be installed over a wide variety of substrates including concrete, light gauge metal framing, masonry and wood framing. Corium is installed with interlocking trays attached to supports at 32" on center. The interlocking trays increase the strength of the framing. The trays ensure precision and consistent joint lines. The Corium installer attaches the support trays, clips in the brick tiles and finishes the joints with mortar. Three easy steps.

Simplicity

Once bricks are installed the Sika Historic KL mortar which has been formulated for use with Corium is installed. The Historic Mortar is a lime based mix and can be applied using several methods of pumping from hand held to pumps. The preferred point profile is bucket-handle.

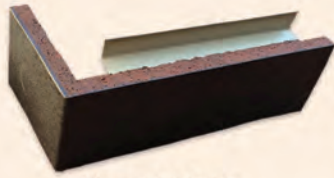
Design and Technical Support

We offer a comprehensive CAD design assist service to help ensure your vision becomes reality.

The Corium/Telling team offers detailed technical, product and design assistance on the use of the system and its applications, and are pleased to provide constructive comments to the design.

Interlocking trays strengthen the wall and form a drainage plain behind the brick.

The finishing touch.



Corner brick-tile



Soldier brick-tile



Air brick-tile

Special Shapes: We offer an extensive range of special shapes to add the perfect finish to your walls, and are pleased to develop custom-made return units if requested.

Corium US Standard Brick Tile Formats

Tile Height mm (in)	Tile Length mm (in)	Header mm (in)	Soldier mm (in)
57.7 (2 1/4") Modular format	194 (7 5/8")	92 (3 5/8")	
57.7 (2 1/4") Norman format	295 (11 5/8")	92 (3 5/8")	
92 (3 5/8") Closure format	194 (7 5/8")	92 (3 5/8")	
92 (3 5/8") Utility format	295 (11 5/8")	92 (3 5/8")	
125.4 (4 15/16") Spans 2 No. 57.7mm rails	194 (7 5/8")		57.7 (2 1/4")
193.1 (7 5/8") Spans 3 No. 57.7mm rails	295 (11 5/8")		57.7 (2 1/4")

Notes:
Maximum length available is 327mm (12 3/4")

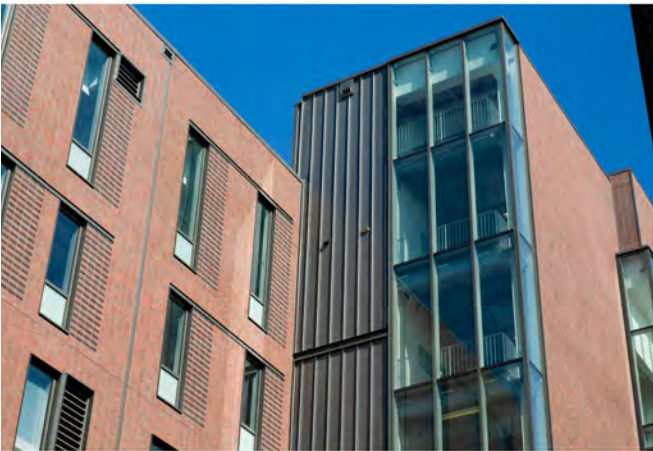
The Parex Historic Mortar KL Range

The Parex range of advanced high specification mortars is specially formulated for Corium.

-  EA255
Light Grey
-  EA250
Sandstone
-  EA262
Bathstone
-  EA264
Light Brown
-  EA265
Mid Brown
-  EA254
Dark Brown
-  EA263
Brick Red
-  EA266
Dark Red
-  EA256
Mid Grey
-  EA257
Dark Grey



Speed. Strength. Simplicity.



Monroe Hall

Client: Loyola College, New Orleans

Architect: Holly & Smith

Contractor: Broadmoor LLC

A technical reclad with three requirements: Must match historical brick, must be light & must be durable. Solution Corium Brick.

The existing fiberglass exterior was removed and easily replaced using a composite crew of local union labor and masonry supervision. A budget friendly solution for all.



When precision counts.

Wilson School, Arlington VA

Client: Arlington School

Designer: BIG & Leo A. Daly

Contractor: Gilbane Co.

An award winning contemporary school with exterior features made possible by Corium and the team at Telling Architectural Systems.

The building is designed as a series of bars rotated about a single hinge point. Wrapping the floating bars in heavy traditional brickwork was nearly impossible but not for Corium.



High Rise Capable.



126 E86th St. NYC

Client: Rybak Development

Designer: ZPROEXT

Contractor: GGL Enterprises

The form of the building evolved to incorporate Corium Brick at areas which would have proved difficult with traditional masonry. Corium was chosen, on the flexibility, installation sequence and robustness of the cladding system. Telling provided custom color solutions to meet the design requirements.

Panelized Assembly.



MIT Vassar Student Housing, Cambridge MA
Steel framed Mega-Panels.

Corium is ideally suited for panelized or unitized assemblies. The installation is quick with very little down time. No more worries about proper alignment of bricks and mortar joints as the quality control is built into the interlocking Corium trays. Prefabricated walls with Corium bricks are stable and can be transported with or without mortar. The combination of a controlled environment and built in quality control should make for a very consistent, attractive brick veneer that can be used anywhere to quickly enclose a building, shorten building schedules and lower construction costs.



Portland Art Tower pre-fabricated light
steel framed panels



Quality at every angle.



Unlimited possibilities.



Note:

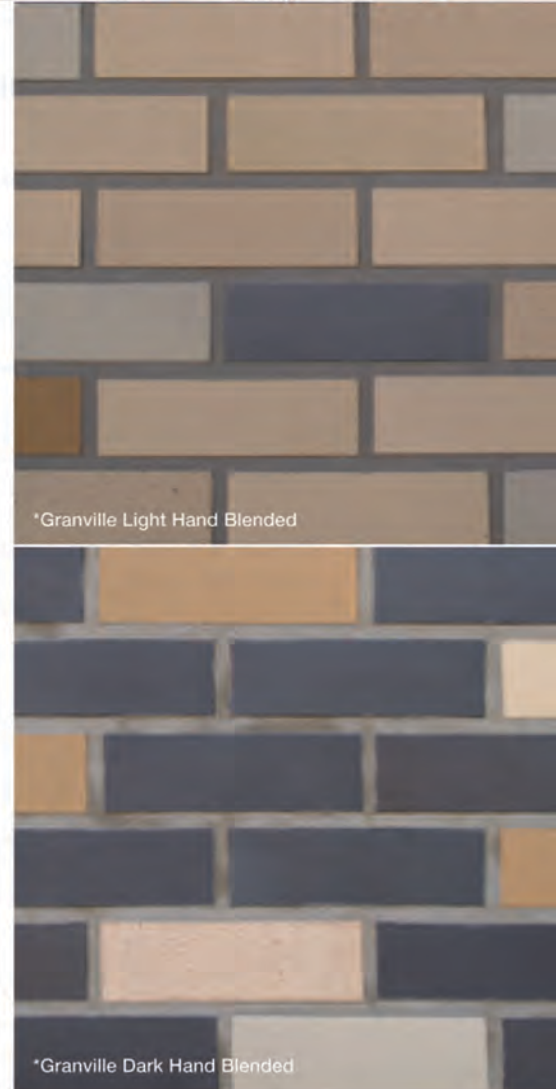
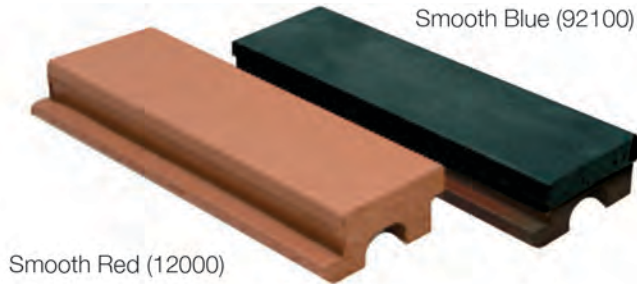
1. Please use the reference numbers for initial sample selection, this document represents a small fraction of the color options.
2. To ensure excellent size consistency and a secure fit onto the rails, Corium tiles are produced with a red body. Extremely durable colors or glazes are fired into the surface at over 1,830°F
3. Due to the limitations of the printing process you are advised to obtain product samples prior to purchase



The unique Corium manufacturing process offers versatility and flexibility in construction design.

With custom color and texture matching capabilities, from traditional brick finishes to precision look glazed options, Corium satisfies any aesthetic requirement. Creating “high-tech” modern facades on new, prestigious buildings and blending with existing brickwork on renovation projects.



















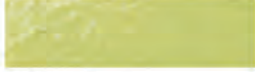













Corium also allows you to produce innovative, complex and precise bond patterns allowing stunning brickwork elevations to be brought to life quickly and easily.



*Factory hand blended options in any color variation are available to order, depending on minimum quantity required

Glazed Tiles.



		
8099+E	8104+E	8110+E
		
8103	8109	7776+E
		
7783+E	7791+E	7767+E
		
8105+E	8106+E	7768+E
		
8111	8111+E	8112
		
8096+E	8096	8114
		
7778 + E	7787 + E	7763+E
		
8112+E	8116+E	8115+E
		
8119 + E	8118 + E	8117+E
		
7770+E	7773+E	2 x 810+E
		
72000	860	

Glazed Tile Options

We offer a wide range of both matt and gloss glazed finishes.

Large Format

The recent development and introduction of large format Corium bricks provides an attractive alternative to a brick façade.

Sizes up to 13" x 8.6" (327 x 215mm) can be manufactured for mortared applications and are available to order.

Installers

Corium is designed to be easy and simple to install with built in quality control features. The system can be installed by skilled contractors across the country including specialty facade contractors, masons, carpenters, glazers, and sheet metal specialists. Approved installers are available nationwide. On a suitable structure which has support at a maximum of 32 inch centers, the Corium installer will fix the support trays, clip in the tiles and finish the joints with a pumped mortar.

Corium can be designed as a rainscreen back ventilated assembly and as a more traditional cavity wall with drainage. It is suitable for use with a wide variety of sub-structures including concrete, structural steel, lightweight steel frames, masonry, and wood framing.

Testing

The Corium system has been fully tested for curtainwall design under ASTM and AAMA guidelines. Testing includes Water Penetration, Air Leakage, Structural Performance, Wind Loading, Deflection, Physical Properties and Impact. The Corium system is noncombustible. Copies of test data are available upon request.

NB: Corium tiles and trays are manufactured to the highest standards and holds a BRE Certificate. Design and installation matters are handled by the project design team with the assistance of the main contractor and installers. The following typical Corium drawings are for information only and should not be used directly for any specified project.

ALL ELEVATIONS ARE VIEWED FROM OUTSIDE UNLESS OTHERWISE NOTED

CONTRACT NUMBER :

FINISHES/NOTES

VARIOUS FINISHES AVAILABLE

VARIOUS FINISHES AVAILABLE

GALVANIZED

GRADE EXPOSED MILL FINISH

GRADE EXPOSED MILL FINISH

VARIOUS FINISHES

INSYST SEALANT WITH AEROFIL OR SIMILAR FILLER

METAL STUD SECTIONS MIN 1/8 GAUGE SIZE/1 LARGER RATED AT 32" MAX. CENTRES

KEY COMPONENT LEGEND

(A) CORIUM BRICK SYSTEM (SIZE 2 1/2" (63mm) x 1 1/2" (38mm))

(B) MODIFIED HYDRATED LIME POINTING MORTAR

(C) CORIUM INTERLOCKING STEEL TRAYS

(D) VERTICAL ALUMINUM T SECTION SUPPORT

(E) ALUMINUM BRACKET WITH THERMAL ISOLATION PAD

(F) CORNER CORIUM BRICK SLIP UNITS WITH BONDED CLIP

(G) INDICATIVE FINISHES NOT BY TELLING BY:

JOINT SEALANTS/BACKING ROD

INSULATION

BREASTHER MEMBRANE

GYPSON BOARD SHEATHING

STEEL FRAMING SYSTEM (SSD)

CONCRETE STRUCTURE

INTERNAL FINISHES

CLADDING SYSTEMS AND SEALS

SUBSTRATE FINISHES

CORNER BRICKS OR FINISHINGS

Rev. | Date | | Create

APPROVAL

Checked: CORIUM BRICK SYSTEM

BU SERIES VERTICAL T TO LSF

Telling Architectural

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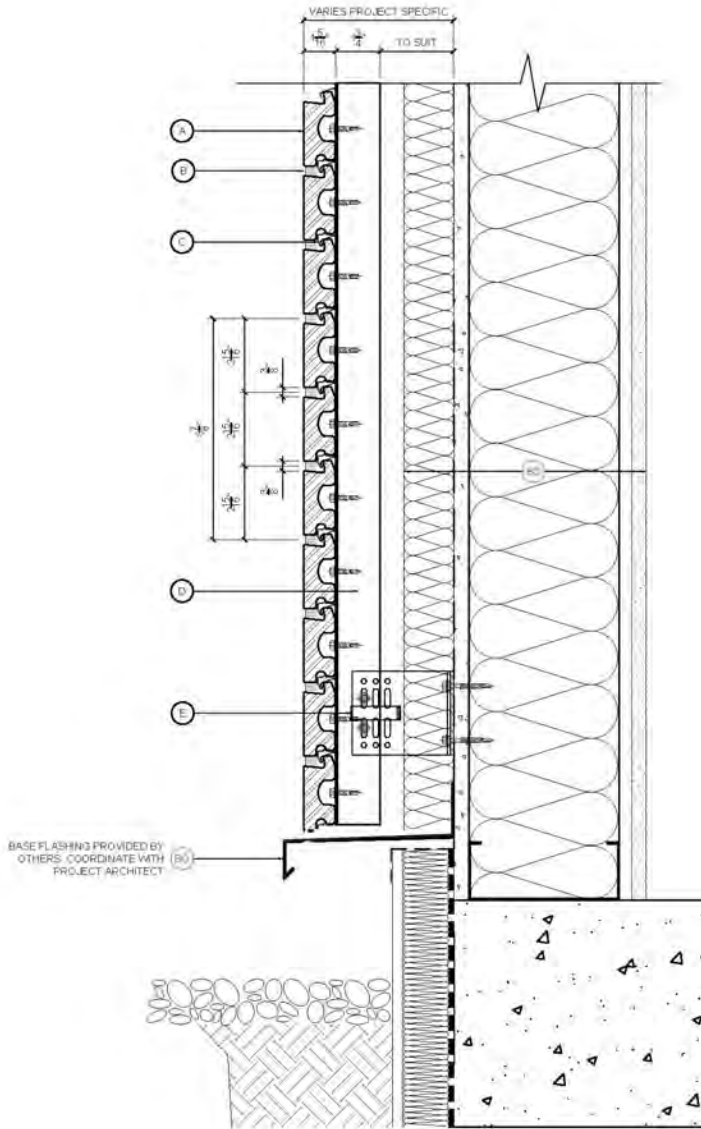
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Scale: Checked: RAC Drawn: LJR
Date: JUN 20 Date: JUN 20

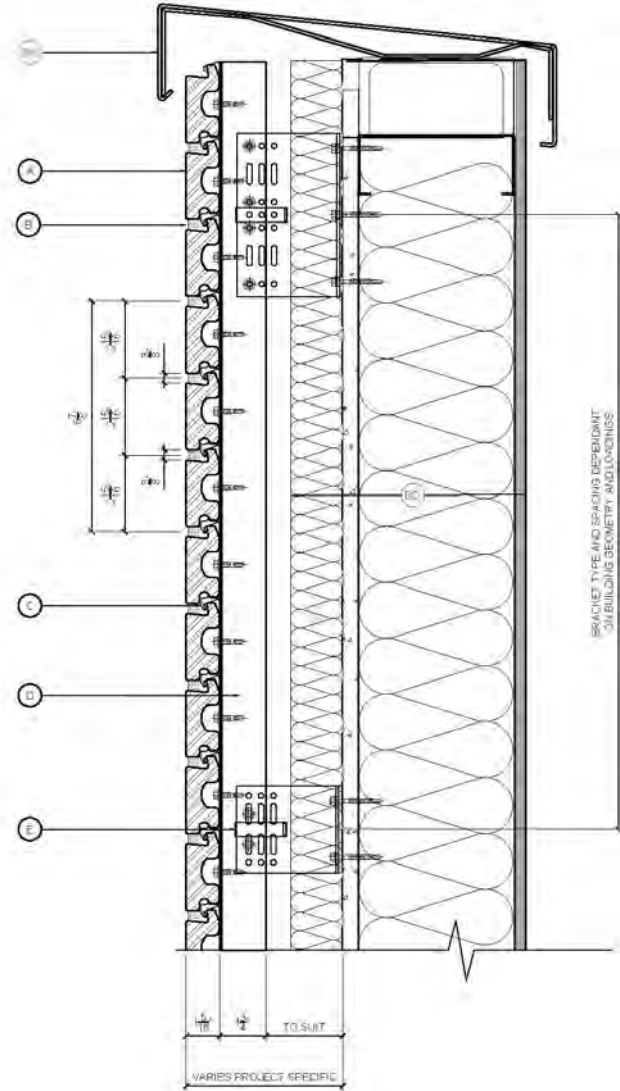
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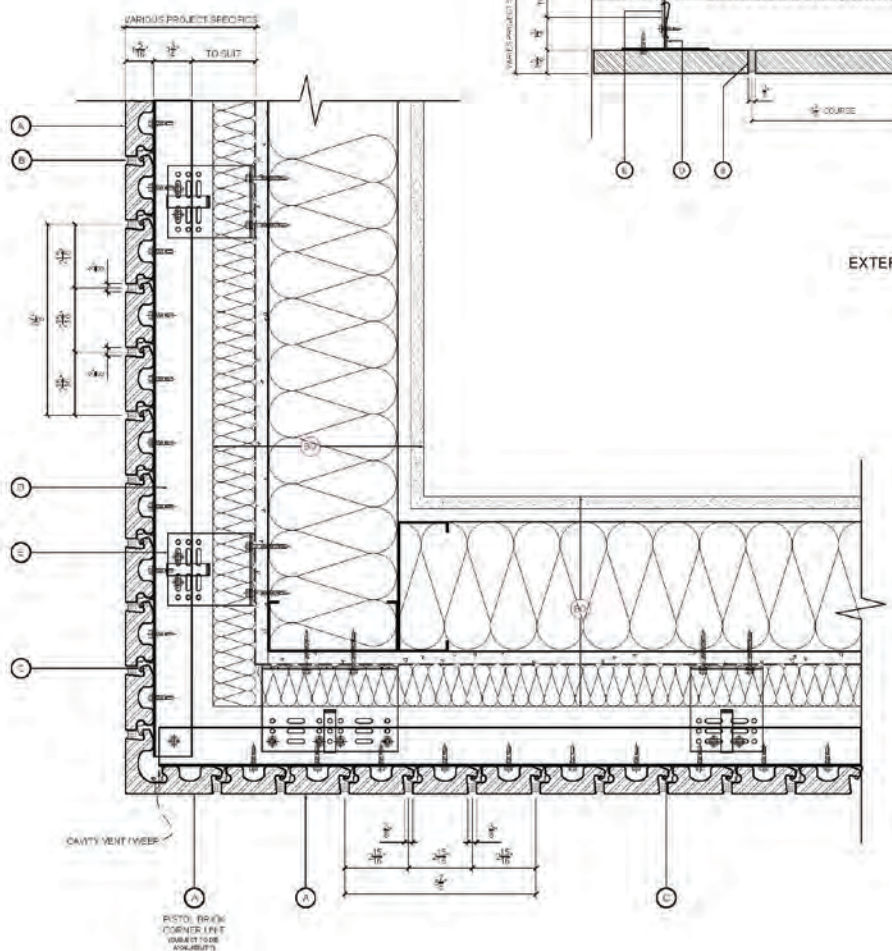
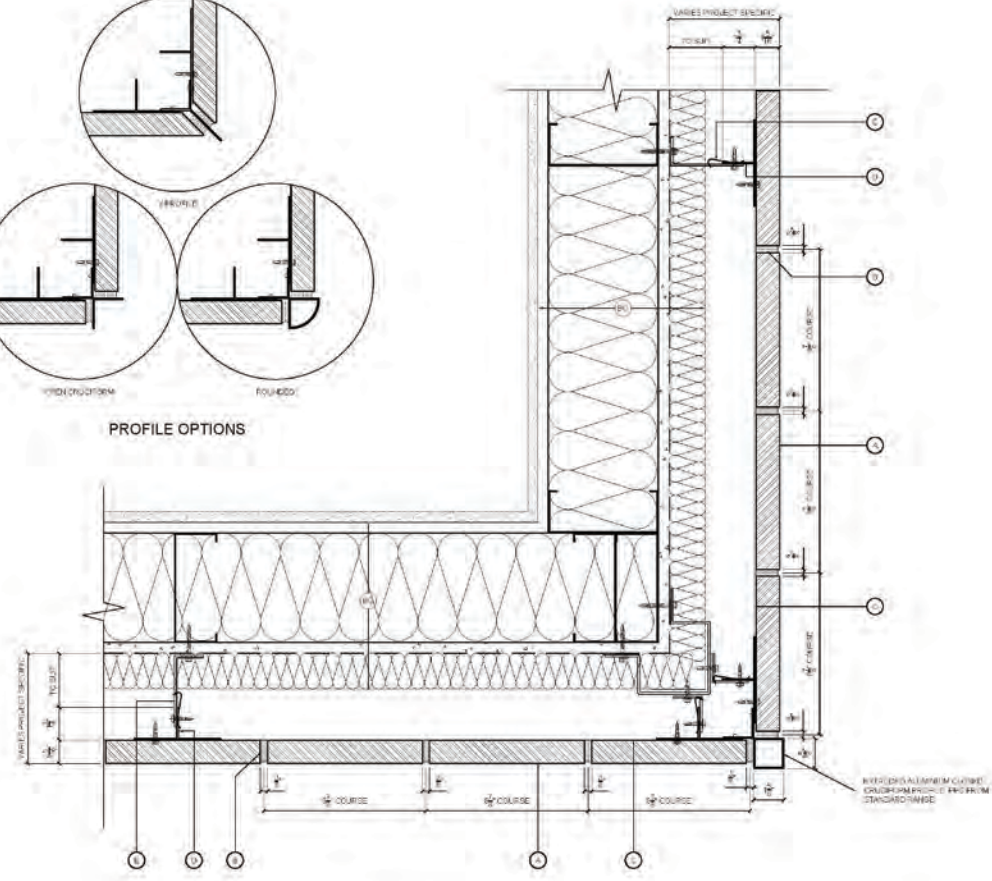
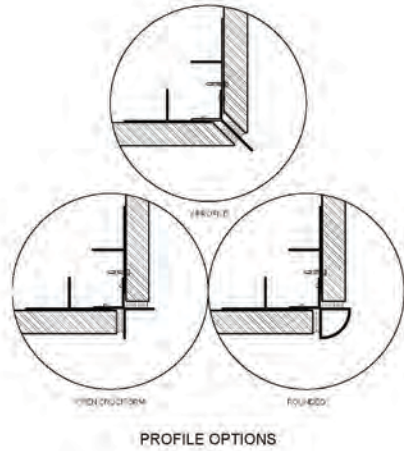
Typical Section Details.

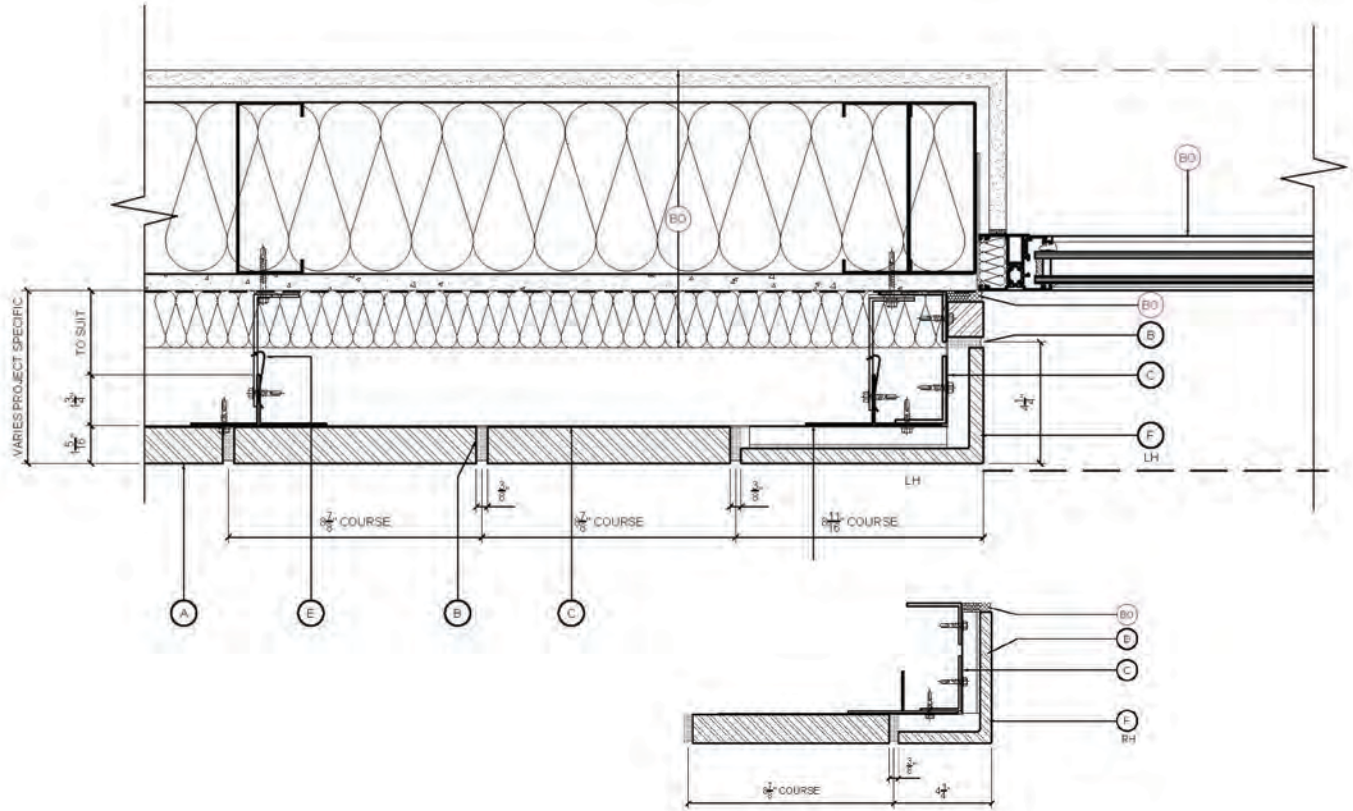


BASE DETAIL

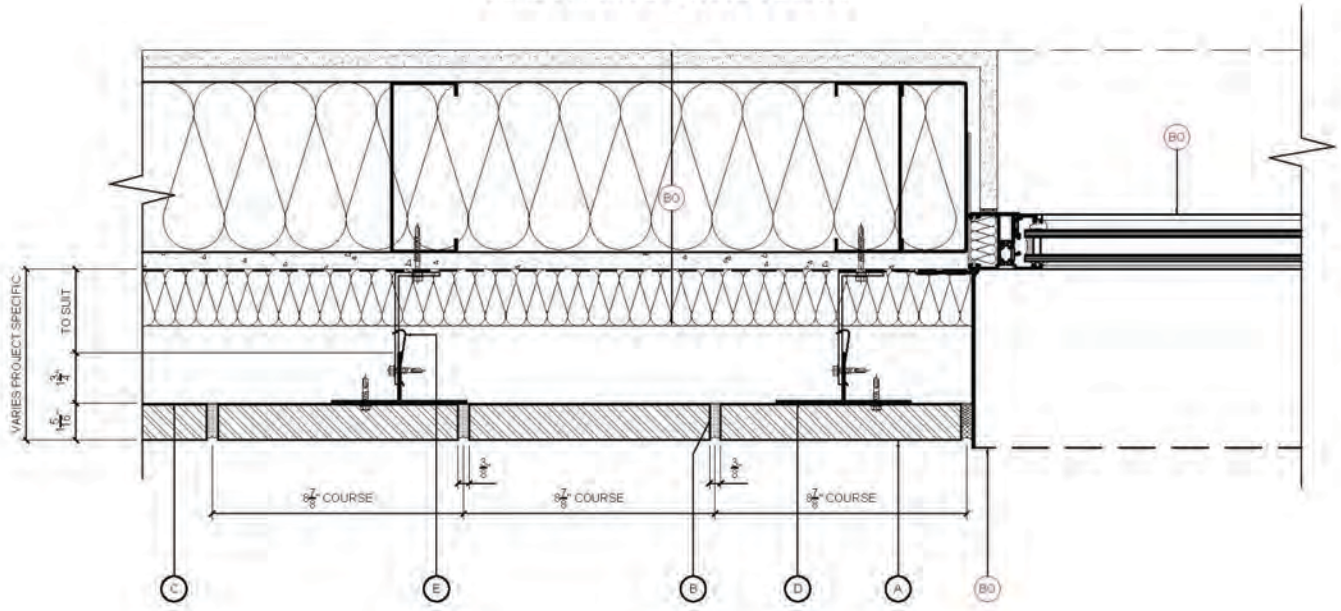


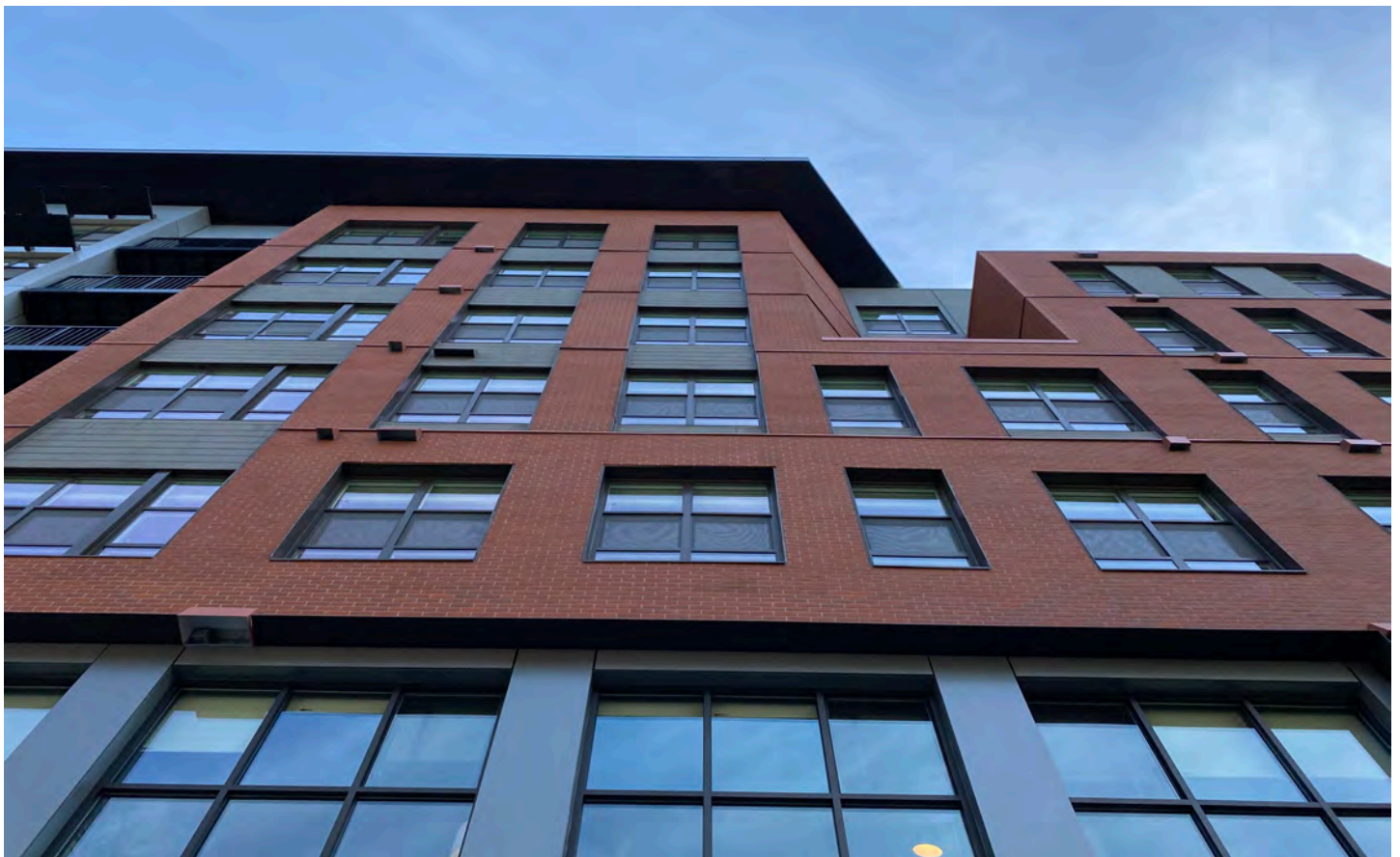
PARAPET DETAIL





WINDOW JAMB CORNER BRICK







North American Distributor of Corium Brick and other sustainable cladding systems.

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SMART, SUSTAINABLE PRODUCTS TO PROTECT US ALL