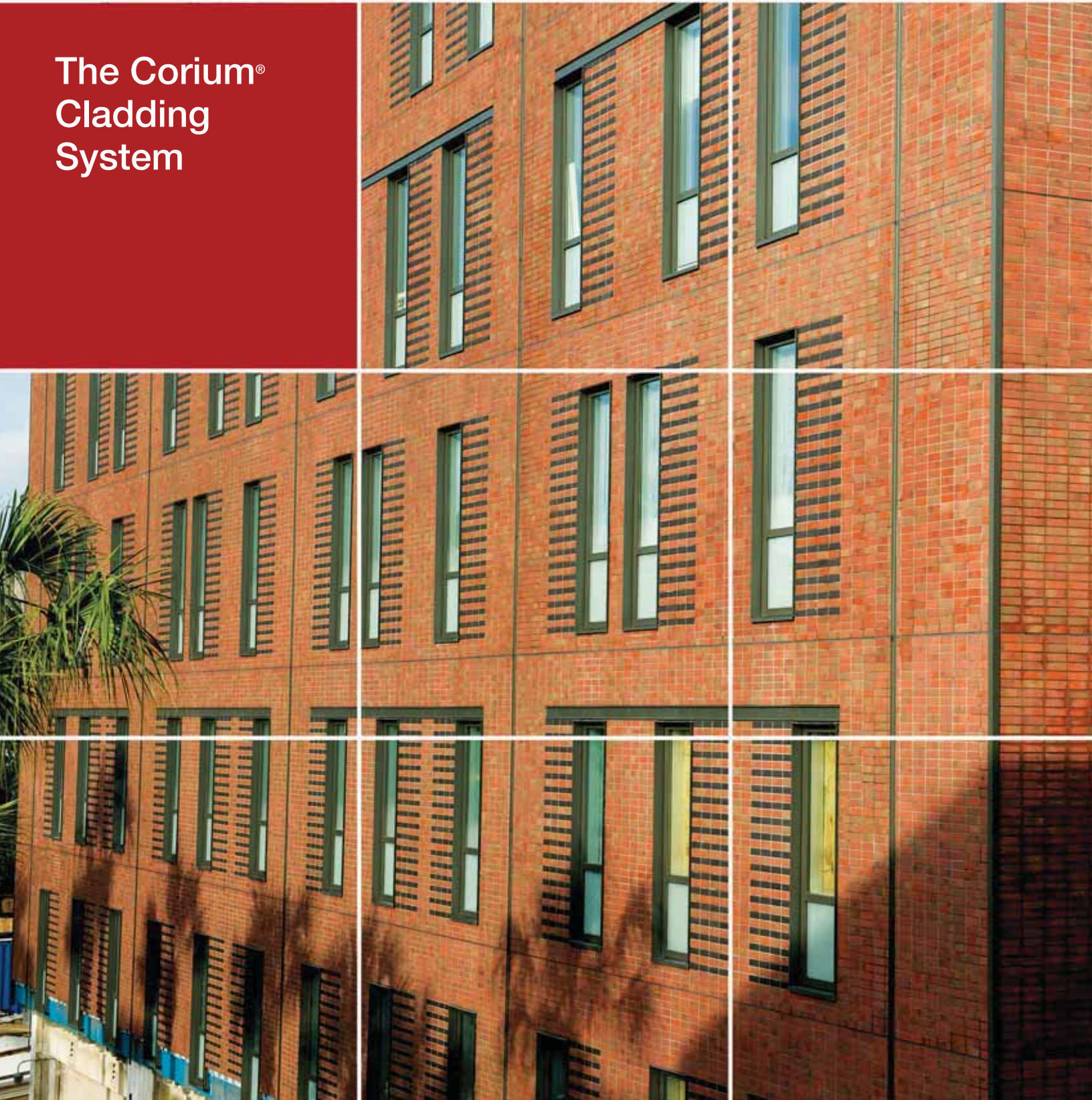


# The Corium® Cladding System





# Corium, a true innovation.



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## What is Corium?

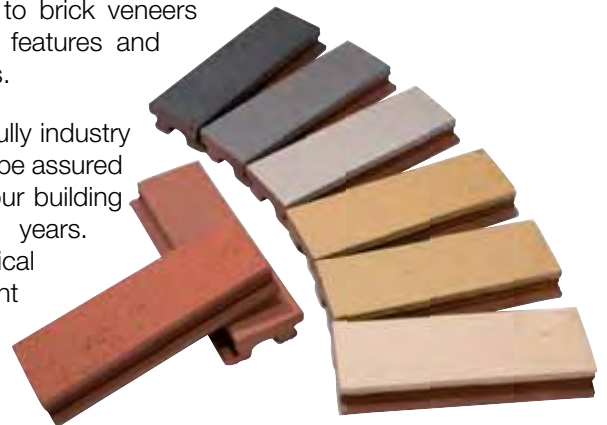
Corium is a unique and versatile brick cladding system that combines the natural beauty of high quality genuine bricks with a simple and cost-effective installation. It offers a true brick veneer that can be installed in a rainscreen, back ventilated assembly or a traditional cavity wall.

The revolutionary Corium system comprises genuine brick tiles specially designed to mechanically attach to HPS200 coated profiled galvanized steel trays. The trays interlock together forming a drainage plane and are mounted onto vertical supports. The brick tiles are then clipped into place.

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 and color and texture combinations.

Patented worldwide; and fully industry tested and approved, you can be assured of a strong, quality finish to your building project that will last many years. Corium has worldwide technical and patent approvals. GB 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 an HPS200 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, structured 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 help to significantly reduce construction time**

## Key Features

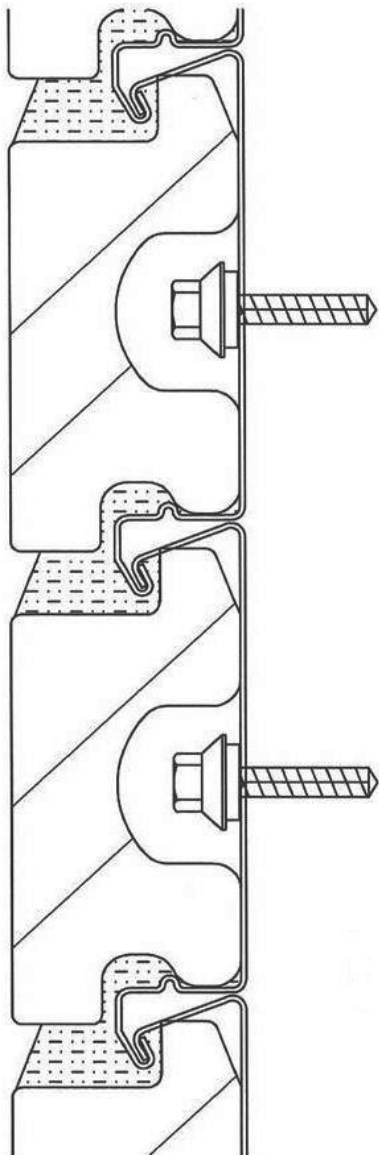
- Unique, innovative system
- High performance wall assembly
- Saves time and money
- Design flexibility
- Wide range of colors
- Extensive texture range
- Comprehensive testing under ASTM and AAMA guidelines
- Industry tested and BRE certified



**Certificate 082/01**

BRE Certificate 082/01 covers Corium's performance, airtightness and weather resistance along with thermal, acoustic, and fire and impact resistance characteristics. Please contact us for your copy.

# Easy to use. Simple to install.



## Use and Installation

**Corium** is installed by carpenters, glazers, sheet metal contractors, and of course brick masons who can work 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 horizontal trays attached to vertical supports at 32" on center. The interlocking horizontal trays increase the strength of the framing. Corium bricks are simply clipped into place. The trays ensure precision and consistent joint lines. At 32" max centers, the Corium installer attaches the support trays, clips in the tiles and finishes the joints with pumped mortar.

## Simplicity

Once bricks are installed the Parex Historic Mortar KL 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 peristaltic 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.

**Arches:** Flat arches are well within the scope of Corium. Our support team is happy to discuss your specific requirements.



Blue Arch Set (also available in Red)

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

Corium Brick Unit	Size Inches	Units Per Sq. Ft. Wall (Inc. 3/8" Joint)	Size Millimeters	Metric Units/Sq. M (w/10MM Joint)
Mini	2" x 9 1/2"	7.5	50 x 240	83.3
Modular	2-1/4" x 7-5/8"	6.86	57 x 194	73.1
Norman	2-1/4" x 11-5/8"	4.57	57 x 295	48.8
*Corium Utility	3-5/8" x 11-5/8"	3	93 x 293	32.1
<b>European Sizes</b>				
UK Standard	2.6" x 8.5"	6	65 x 215	65
Large Format	12.9" x 8.6"	.77	327 x 215	13.5

*\*Larger orders only. Please contact Telling Architectural for details.*

Corium has worldwide technical and patent approvals



Corium, Quality and creativity.



### **Blink Point, Park Street, London**

**Designer:** Greig & Stephenson/Amos Partnership

**Contractor:** Haymills

Corium Smooth Buff and Blue tiles were used on this prestigious development close to the River Thames in Southwark. The key feature on this project was the use of special shaped tiles for the window reveals and soffits.

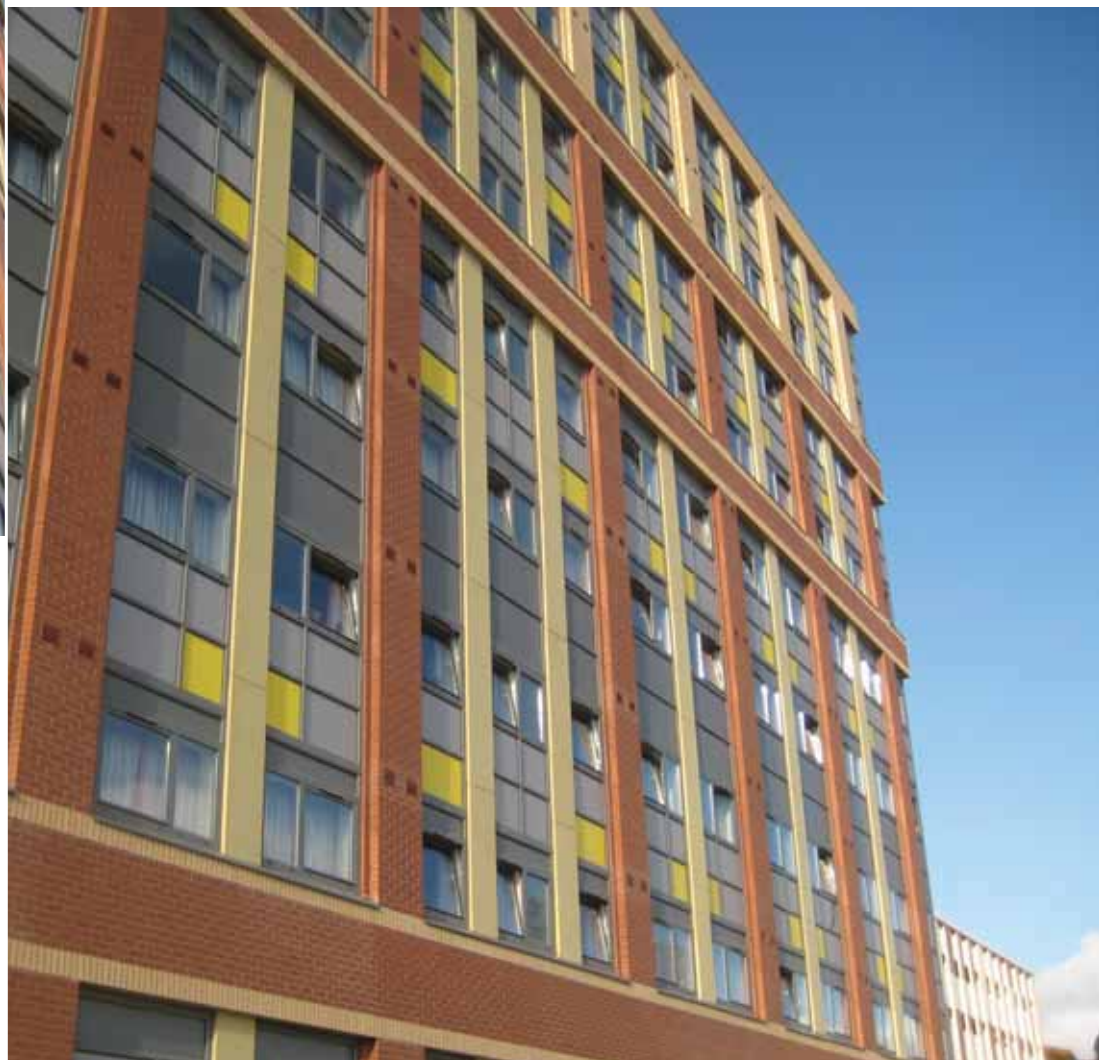
## Collegelands Student Accommodation, Glasgow

**Client:** The UNITE Group Plc

**Designer:** Manson Architect

**Contractor:** Watkin Jones

Speed of construction was essential for this high rise student accommodation in central Glasgow. Over 50,000sf of Corium was installed entirely from scissor lifts over 6 months, mainly throughout the harsh winter months with temperatures consistently remaining below freezing. The strict design and planning stipulations led to the use of over 80,000 corners to achieve a traditional double pillar detail that replicated existing buildings, which allowed Corium to achieve a traditional brick façade with a modern, fast track form of construction. The through wall construction was made up of SIPS panels and the Corium trays were fixed to vertical top hat sections.





Corium, Quality and creativity.



### **Performing Arts Centre, Sutton, Surrey**

**Client:** Glenthorne High School

**Designer:** Scott Wilson Architects

**Contractor:** Hilife Construction Co. Ltd

The form of the building evolved to incorporate pitched external walls that would have been too complex to build in traditional masonry. Corium was chosen, as the project very much depended on the flexibility, installation sequence and robustness of the cladding material. Corium could be installed at any of the angles required and even on the underside of the cantilevered main entrance.











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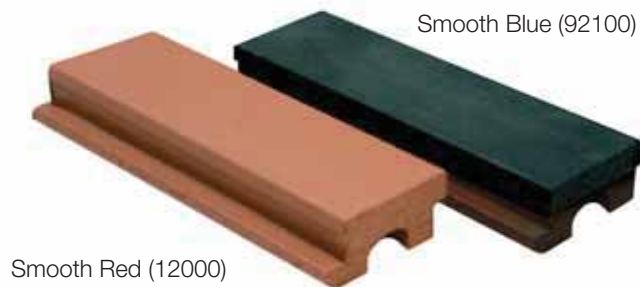




The unique Corium manufacturing process offers versatility and flexibility in construction design.

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.



## Panelized Assembly.



Kingspan - Mid Kent College, pre-fabricated light steel framed panels

**Corium** is ideally suited for panelized or unitized assemblies. The installation is quick with very little drying time. No more worries about proper alignment of bricks and mortar joint sizing as the quality control is built into the interlocking Corium trays. Prefabricated walls with Corium bricks are stable and can be transported to jobsites with little worry about breaking the set or shifting bricks. 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.



Mid Kent College

## Installers

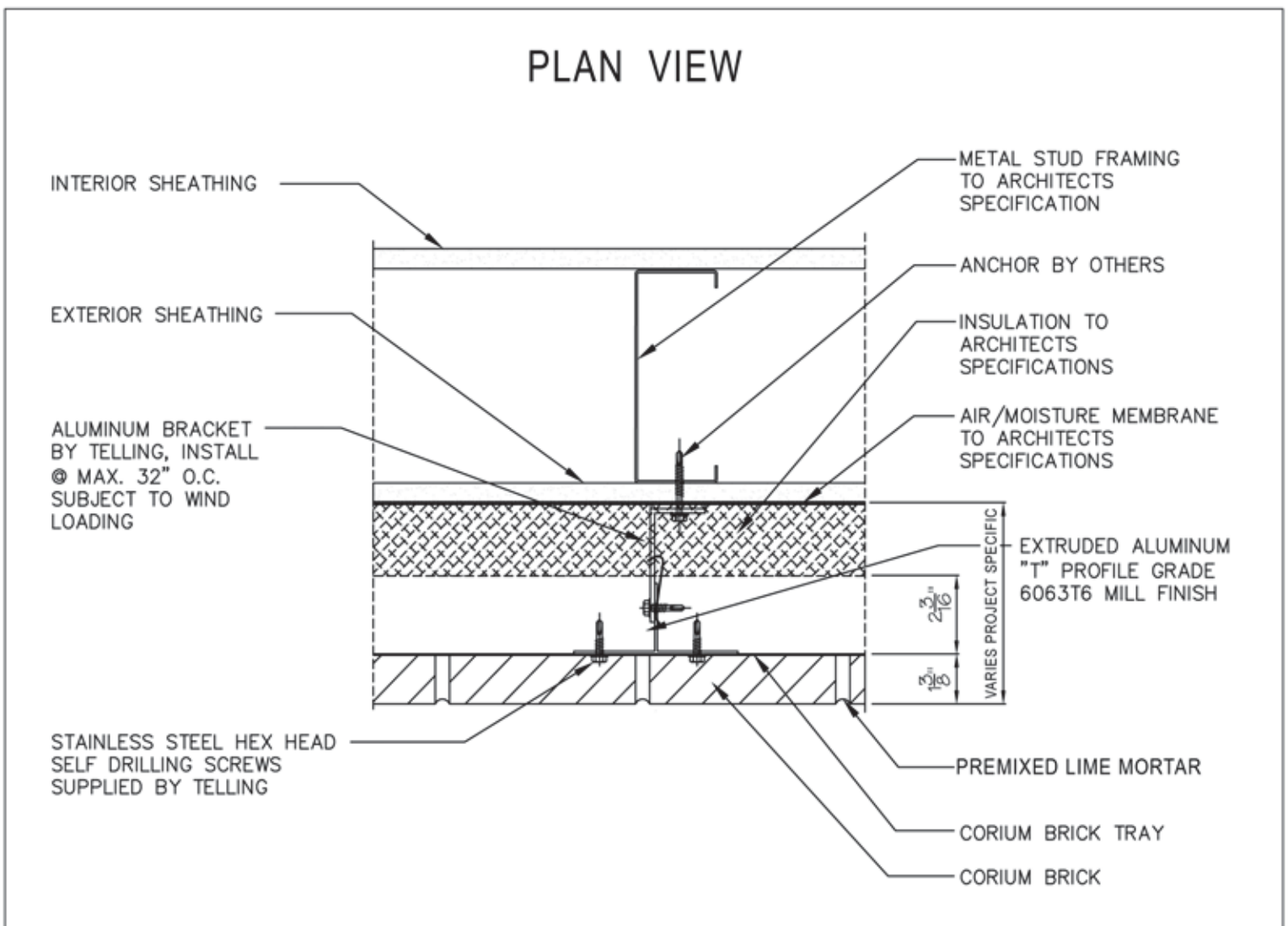
Corium is designed to be easy and simple to install with built in quality control features. The system can be installed by skilled contractors across the country including specialty facade contractors, masons, carpenters, glazers, and sheet metal specialists. Approved installers are available nationwide. 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

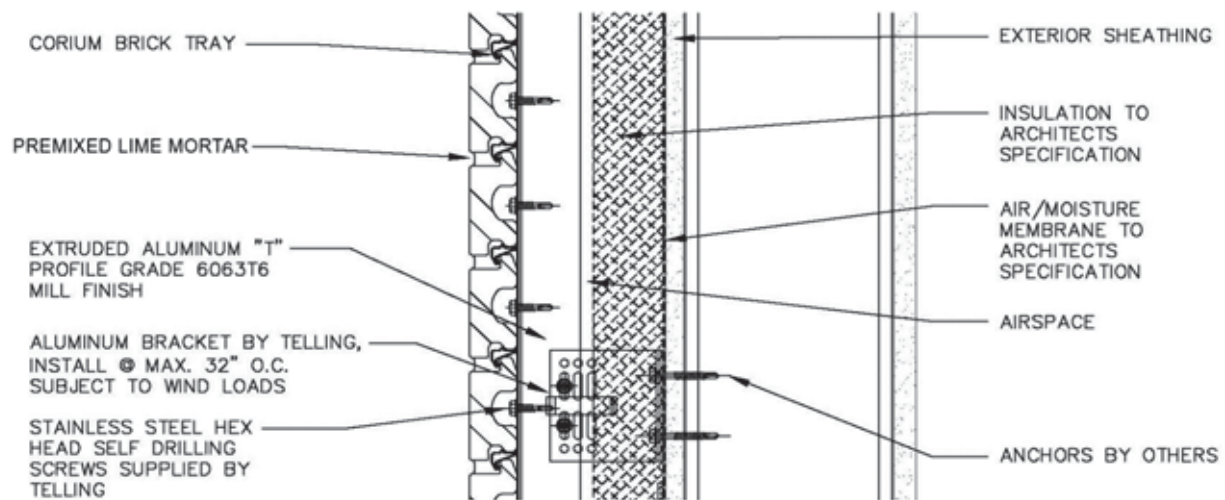
The Corium system has been fully tested for curtainwall design under ASTM and AAMA guidelines. Testing includes Water Penetration, Air Leakage, Structural Performance, Wind Loading, Deflection and Physical Properties. The Corium system is noncombustible. Copies of test data are available upon request.

NB: Corium tiles and trays are manufactured to the highest standards as detailed in the 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.

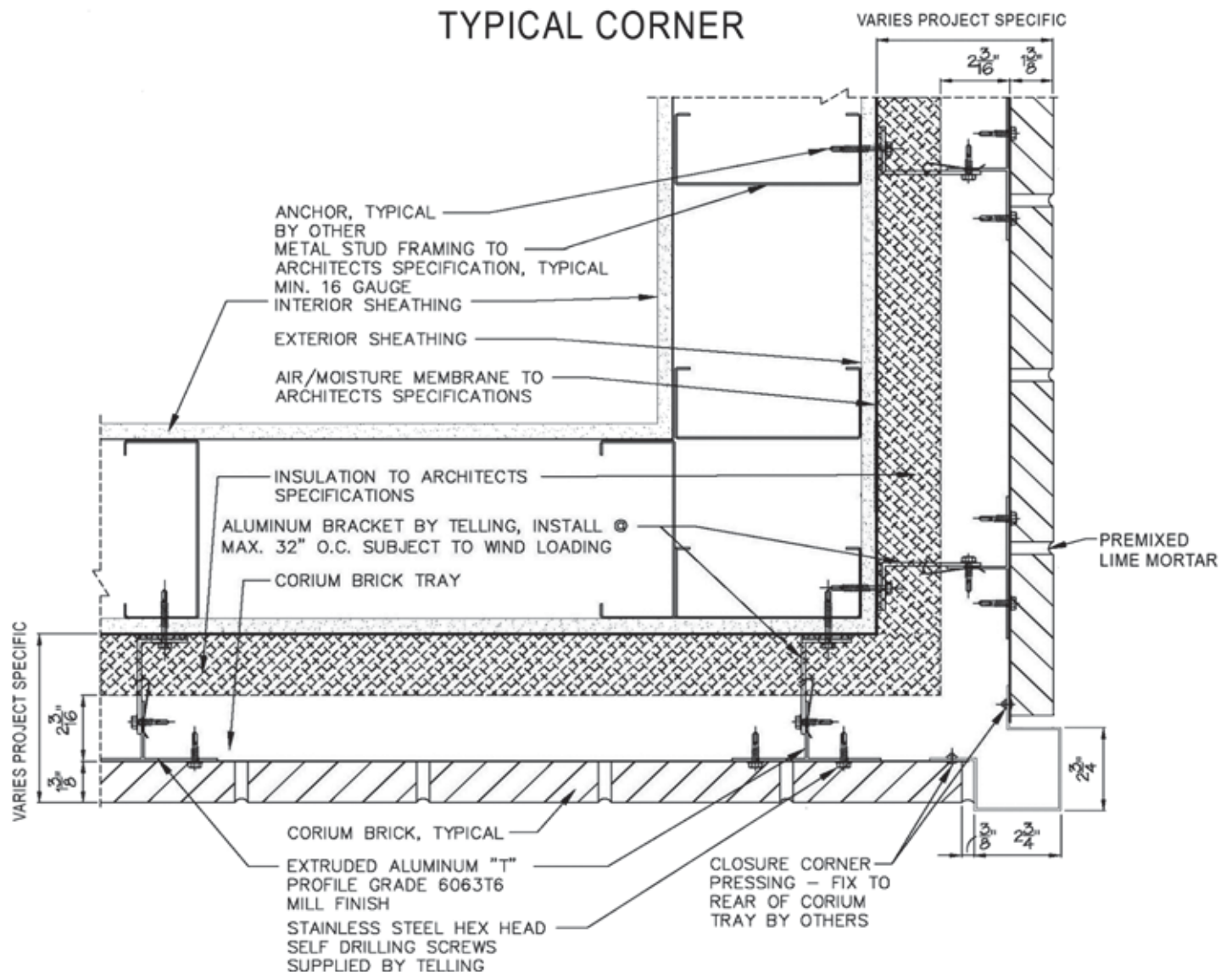




## VERTICAL SECTION



## TYPICAL CORNER





## Telling Architectural Systems

125 High Rock Ave, Suite 211  
Saratoga Springs, NY 12866

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

Phone: 401.632.4577

Toll Free: 866.271.0488



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