



BRICK RAINSCREEN SYSTEM



Telling Architectural Systems

Engineered Rainscreen Facades



Corium™ is the brick cladding system brand of Wienerberger Ltd.



Offered in North America by:



Telling Architectural Systems, LLC

125 High Rock Ave., Saratoga Springs NY, 12866

518.886.8745 or toll free 866.271.0488

www.tellingarchitectural.com

In Canada





About

Use and Installation

Corium™ is a unique brick cladding system that combines the natural beauty of genuine brick with cost effective fast track installation. Corium is engineered to be strong, fast and simple.

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

Corium can be installed over a wide variety of substrates including concrete, metal, masonry and wood framing. Corium is installed with interlocking HPS 200 metal trays attached to vertical supports. Corium bricks are simply clipped into place and ready for mortar. Corium is fully tested in the US & Europe.

The historic lime based mortar and can be applied using several methods of pumping from hand held to peristaltic pumps. The preferred point profile is bucket-handle. Truly simple, just add water!

Design and Technical Support

We offer comprehensive CAD/BIM 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.

Drained/Back-ventilated Rainscreens:

DBV Rainscreen involves the assumption that water enters the cavity in limited amounts and is prevented from entering the building by the waterproofing. Additionally, the moisture can easily dry since the cavity is vented, causing the water to simply evaporate.

The system in force in most panel installations does not pressure equalize because of the upward or downward or sideways flow of air in a large cavity.

Therefore the planned scenario is at least small amounts of water will enter... but then dry out due to the ventilation that is free flowing and available.



DRAINED/BACK-VENTILATED RAINSCREEN





A S S E M B L Y

- Light gauge steel framing, concrete, wood or CMU back-up
- AWB Membrane
- Mineral Wool Insulation – Variable depth up to 8”.
- Cavity – 1" minimum for positive ventilation.
- Framing – Adjustable Bracket and Rail System designed to accommodate thickness of insulation and cavity. Brackets are thermally isolated and adjustable to offset irregularities in substrate.
- Trays – Interlocking and profiled trays to hold the brick tiles.
- Brick Tiles – Inserted into the trays.
- Lime Mortar





B E N E F I T S

- Multi-directional, unlimited bonds, patterns, soffits, ceilings
- Lightweight – only 14 pounds psf
- Speed – one third less time of traditional brick
- Strong, durable, proven experience
- Rainscreen design
- Uninterrupted air/moisture barrier with continuous insulation
- Water management with open cavity for moisture egress
- Long life
- Quality control
- Independently tested and certified



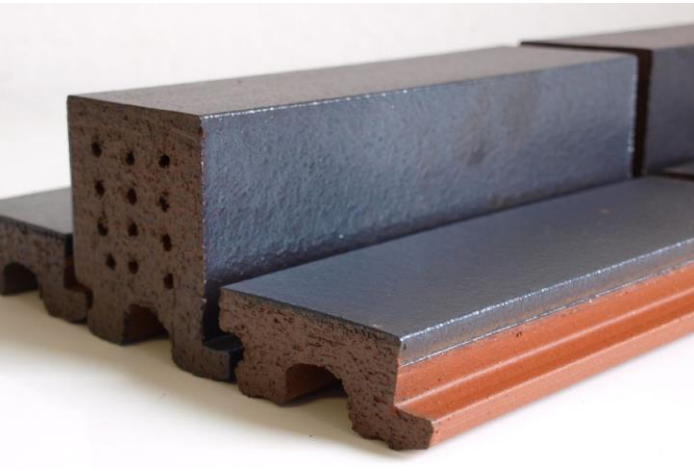
Sizes

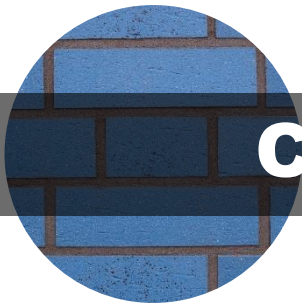
Adjustable 3/8" Mortar Joints

Brick Type	Specified Size H x L (in)	Nominal Size H x L (in)
Modular	2 1/4 x 7 5/8	2 2/3 x 8
Norman	2 1/4 x 11 5/8	2 2/3 x 12
Roman	1 5/8 x 11 5/8	2 x 12
Utility	3 5/8 x 11 5/8	4 x 12



Shapes





Colors and Textures





Colors and Textures

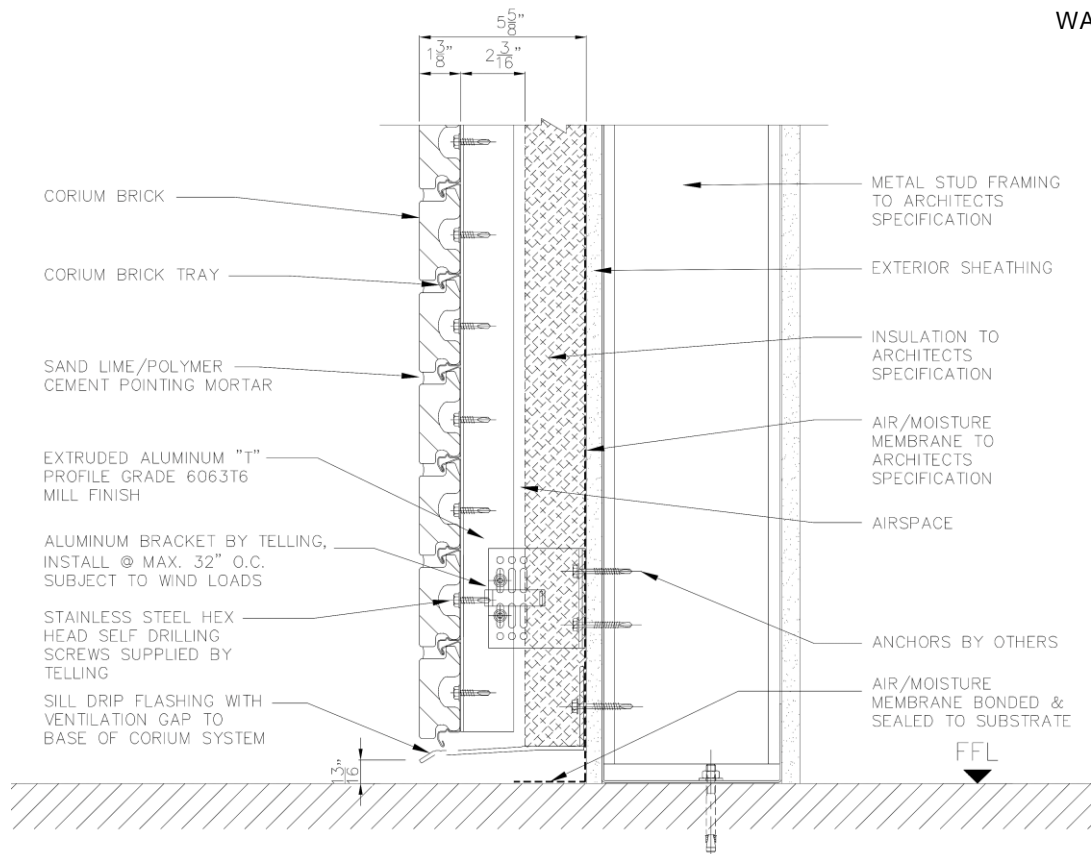


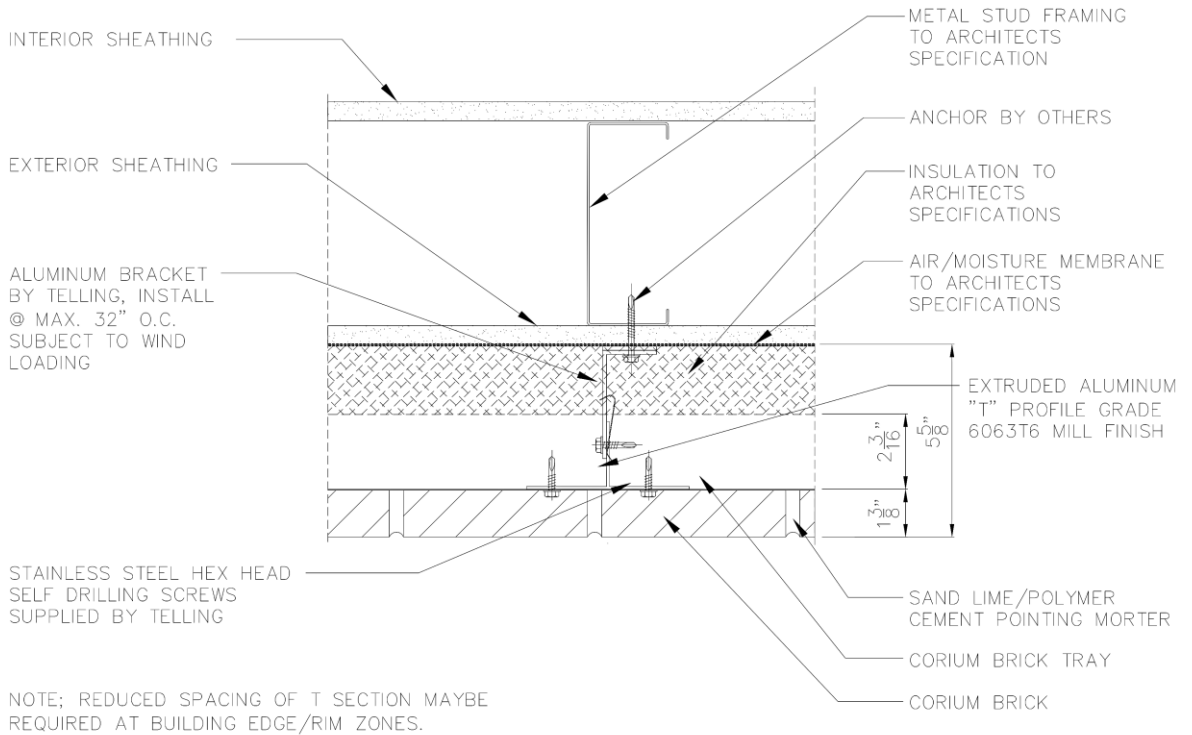




DRAINED/BACK-VENTILATED RAINSCREEN

WALL SECTION

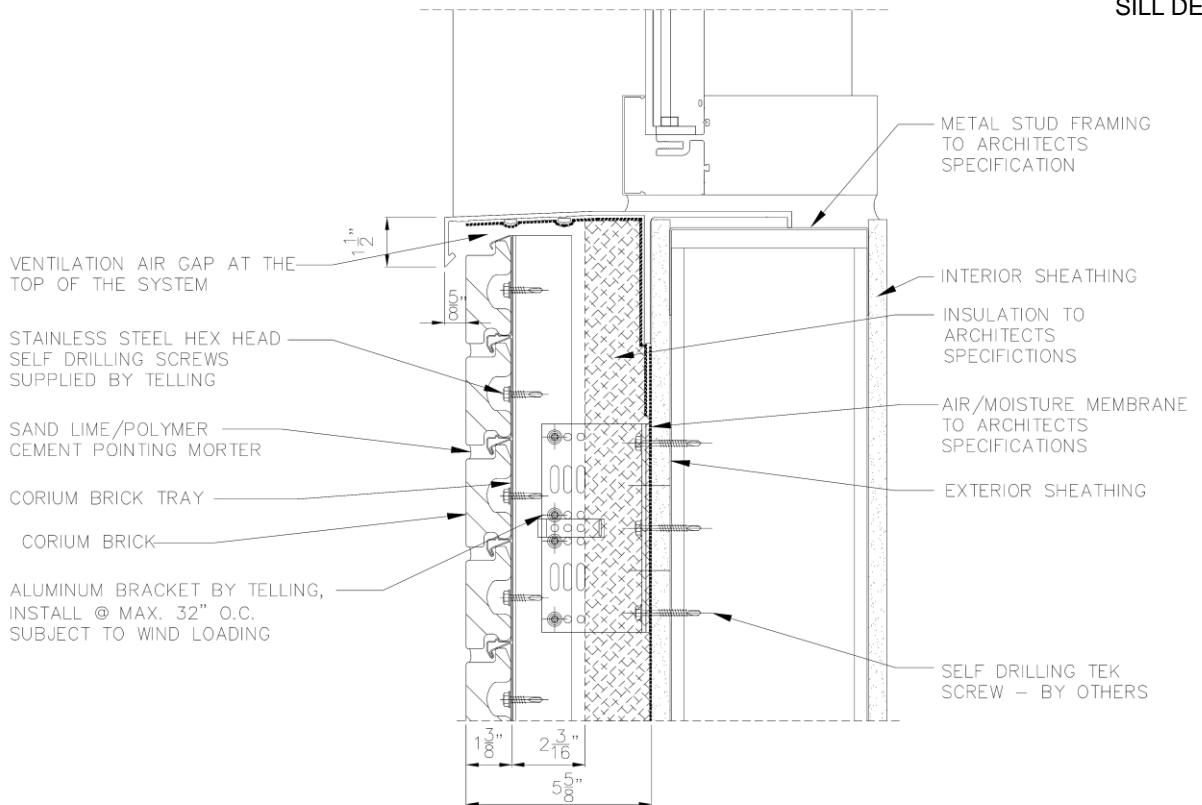


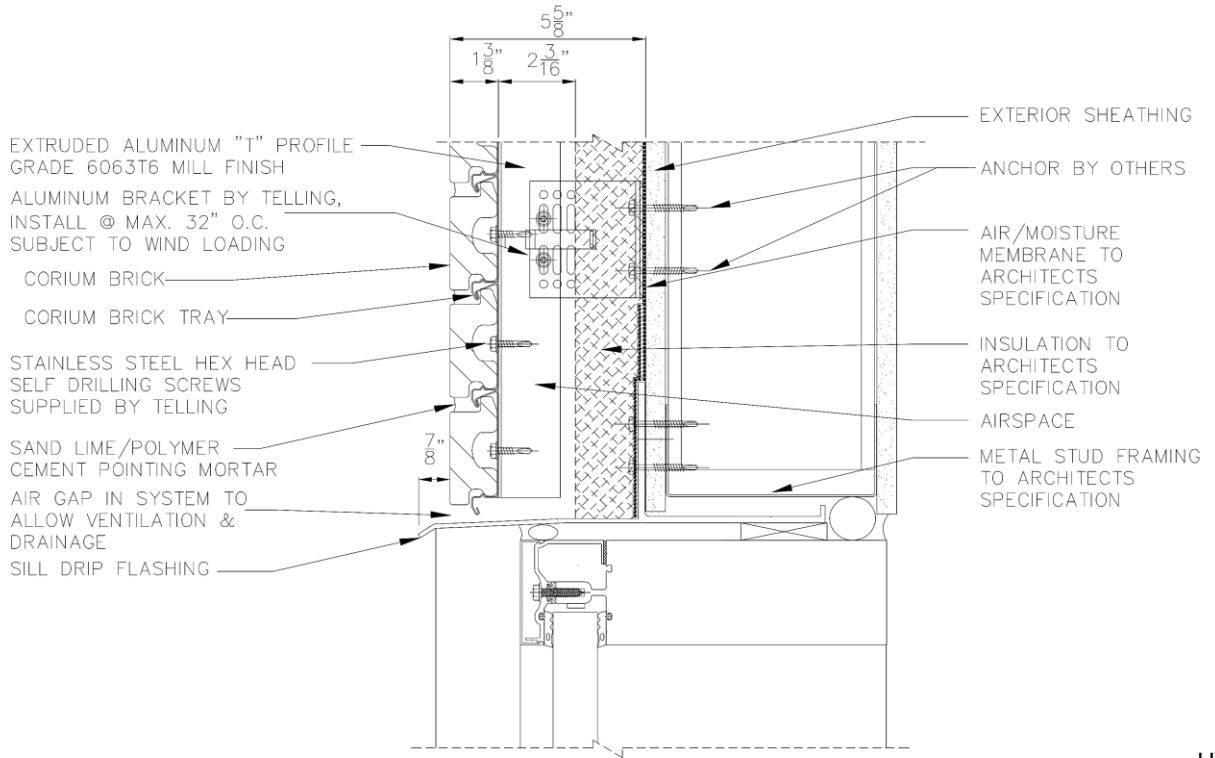


PLAN VIEW

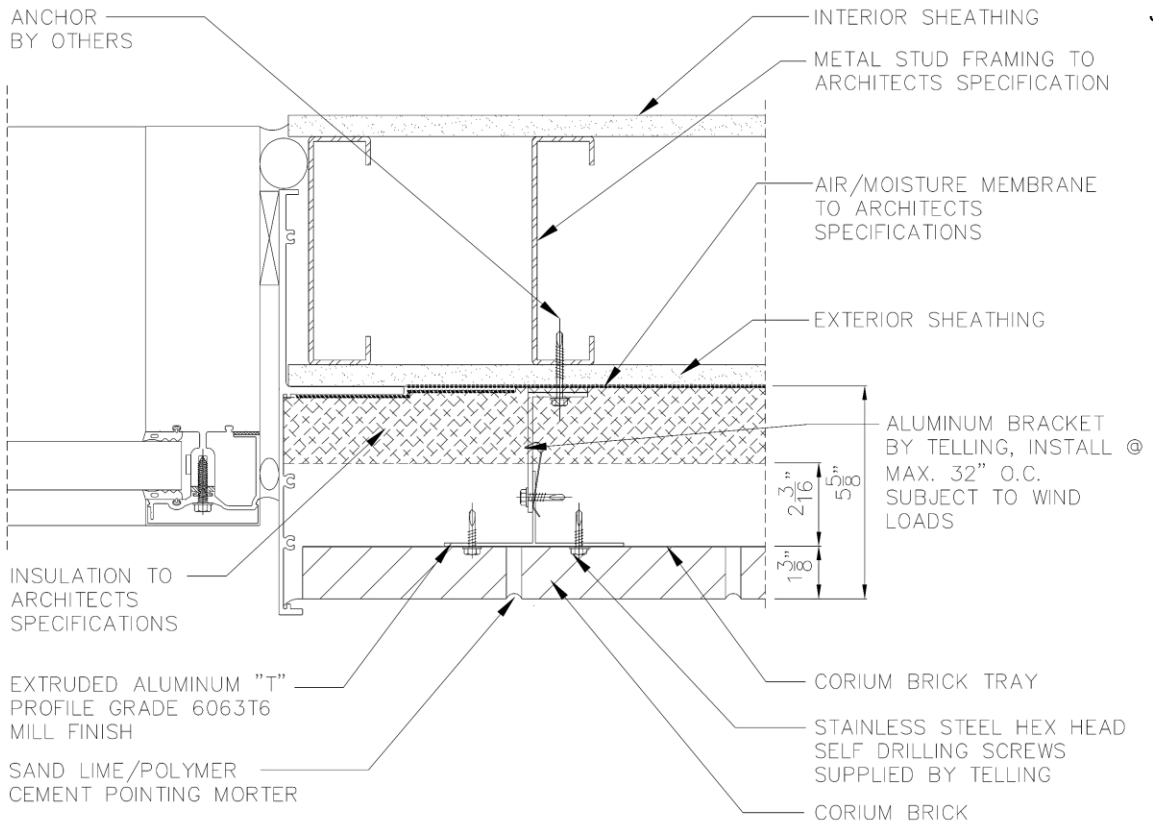
DRAINED/BACK-VENTILATED RAINSCREEN

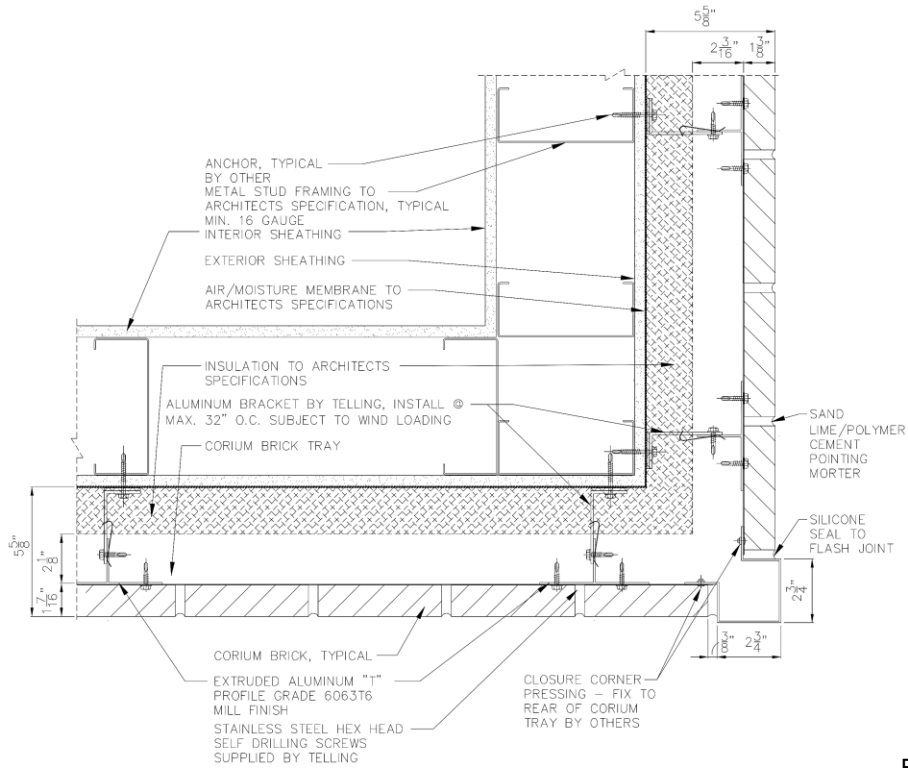
SILL DETAIL





DRAINED/BACK-VENTILATED RAINSCREEN

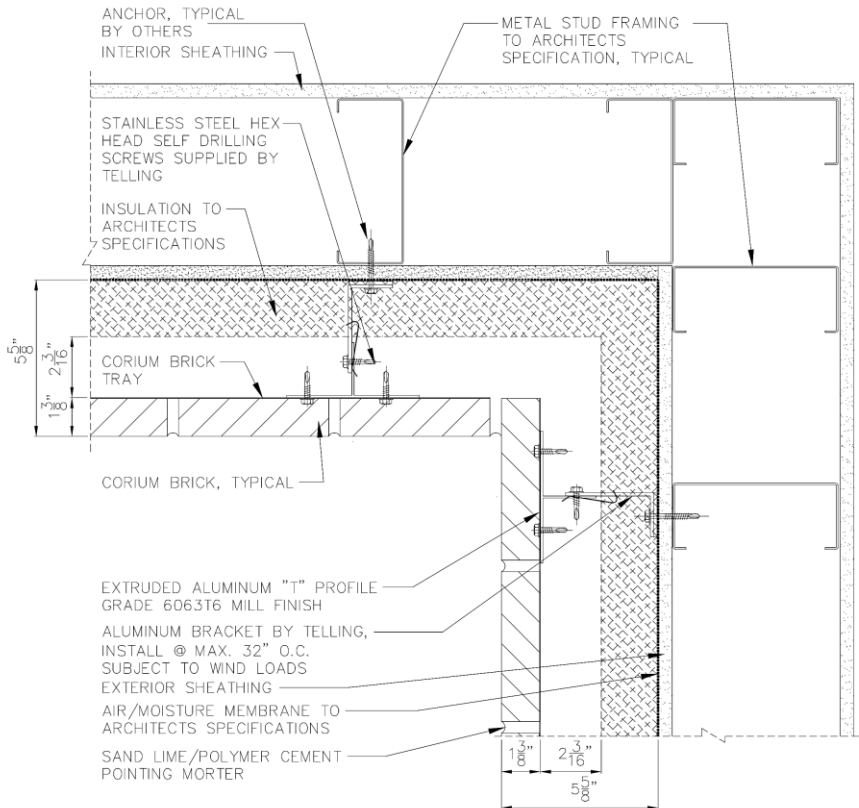


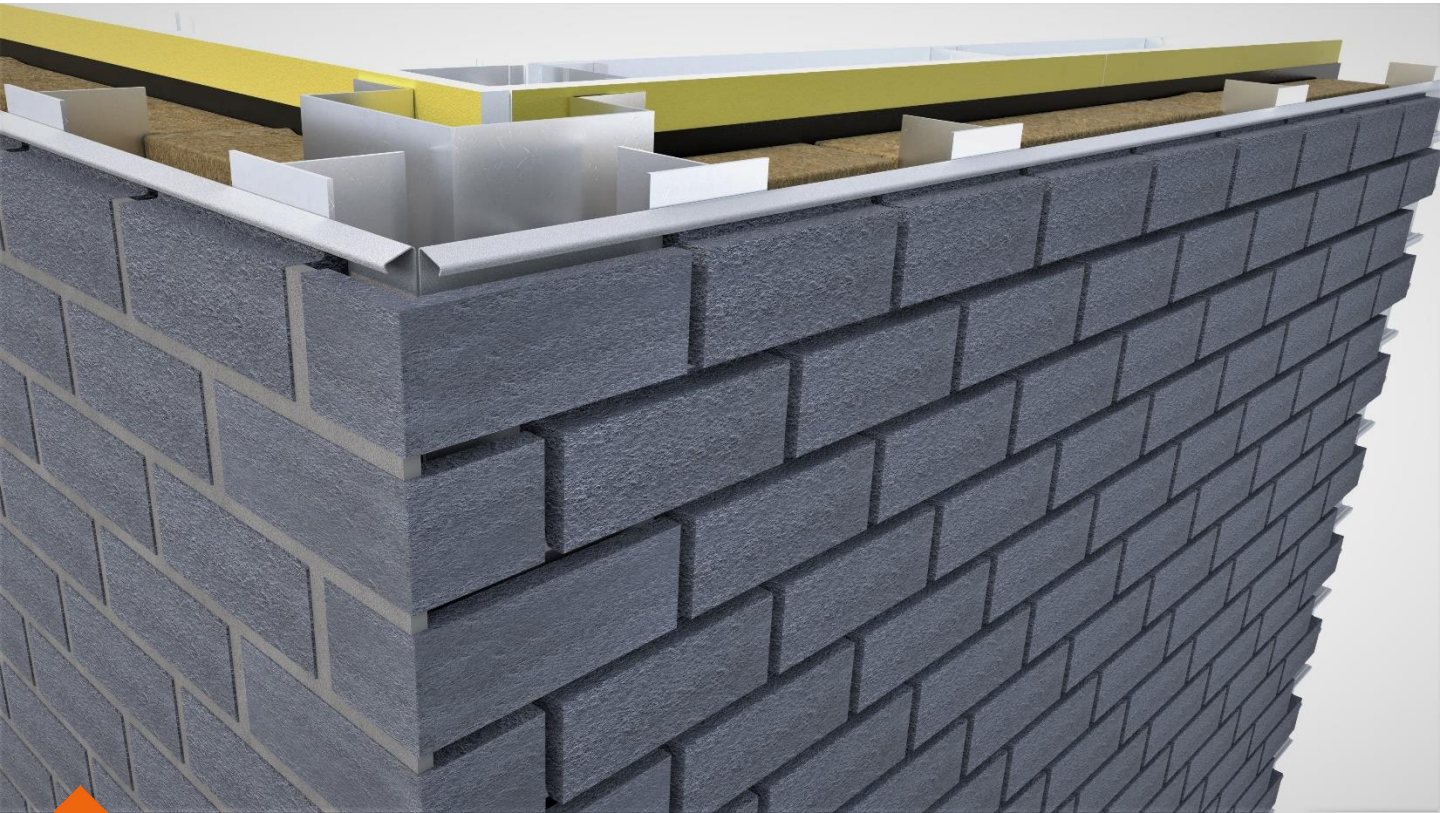


EXTERNAL CORNER

DRAINED/BACK-VENTILATED RAINSCREEN

INTERNAL CORNER



A stylized orange diamond logo with a white outline, positioned to the left of the "TESTING" header.

TESTING

TESTED ASSEMBLY-

(7) 9 gauge vertical aluminum 2" deep 'Z' sections were fixed 6" from edge and at 16" through the sheathing to the stud behind using 1/4" x 2" stainless steel hexagon head coarse thread. (39) proprietary HPS200 Colorcoat™ steel brick trays were fastened in to the vertical 'Z's using 3/16" x 1" stainless steel hexagon head coarse thread screws. The trays interlock. The brick slips are inserted into trays using spacers to maintain 3/8" vertical joints between the brick slips. The slips are built stagger bond or stacked. The mortar joints were pointed manually with an Eastpoint Historic KL natural hydraulic lime mortar.

REFERENCE STANDARDS:

- AAMA 501.1 Water Penetration
- AAMA 501.5 Thermal Cycling
- ASTM E283-04 Air Leakage
- ASTM 331-00 (2009) – Water Penetration
- ASTM 330-02 (2010) Structural Performance, Air & Water
- Freeze/Thaw – 100 Cycles
- ASTM E136 (Noncombustible)

Modular Wall Construction



CORIUM™ is 1/3 the weight of face brick, is mechanically attached to a steel substrate and utilizes a flexible mortar, making the system perfectly suited for off-site panelization.

Having completed a number of modular projects in Europe and North America, we can provide experience and technical support to help clients design, engineer and construct these efficient assemblies.

Benefits of modular wall construction include speed of enclosure, better quality control, cost, less weather dependent. Also consider that modular wall construction is gaining traction in the US and Canada and that products and systems designed to meet the increased demand give designers and sub-contractors a competitive edge.

DRAINED/BACK-VENTILATED RAINSCREEN





PROJECT

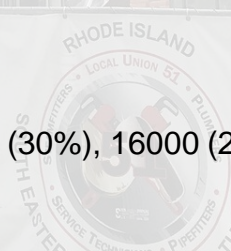
Project:	6-26 New Street "The Eddy"
Location:	Boston, MA
Year Completed:	2016
Color/Blend:	92100
Architect:	Copley Wolff Design Group / Stantec





PROJECT

Project: 169 Canal Street
Location: Providence, RI
Year Completed: 2018
Color/Blend: 13000 (50%), 16001 glazed (30%), 16000 (20%)
Architect: DBVW Architects





PROJECT

Project:	2300 Wilshire Blvd.
Location:	Santa Monica, CA
Year Completed:	2018
Color/Blend:	92100
Architect:	dfh Architects





PROJECT

Project:	Washington Performing Arts Center
Location:	Olympia, WA
Year Completed:	2014
Color/Blend:	5 color blend
Architect:	MSG Architects

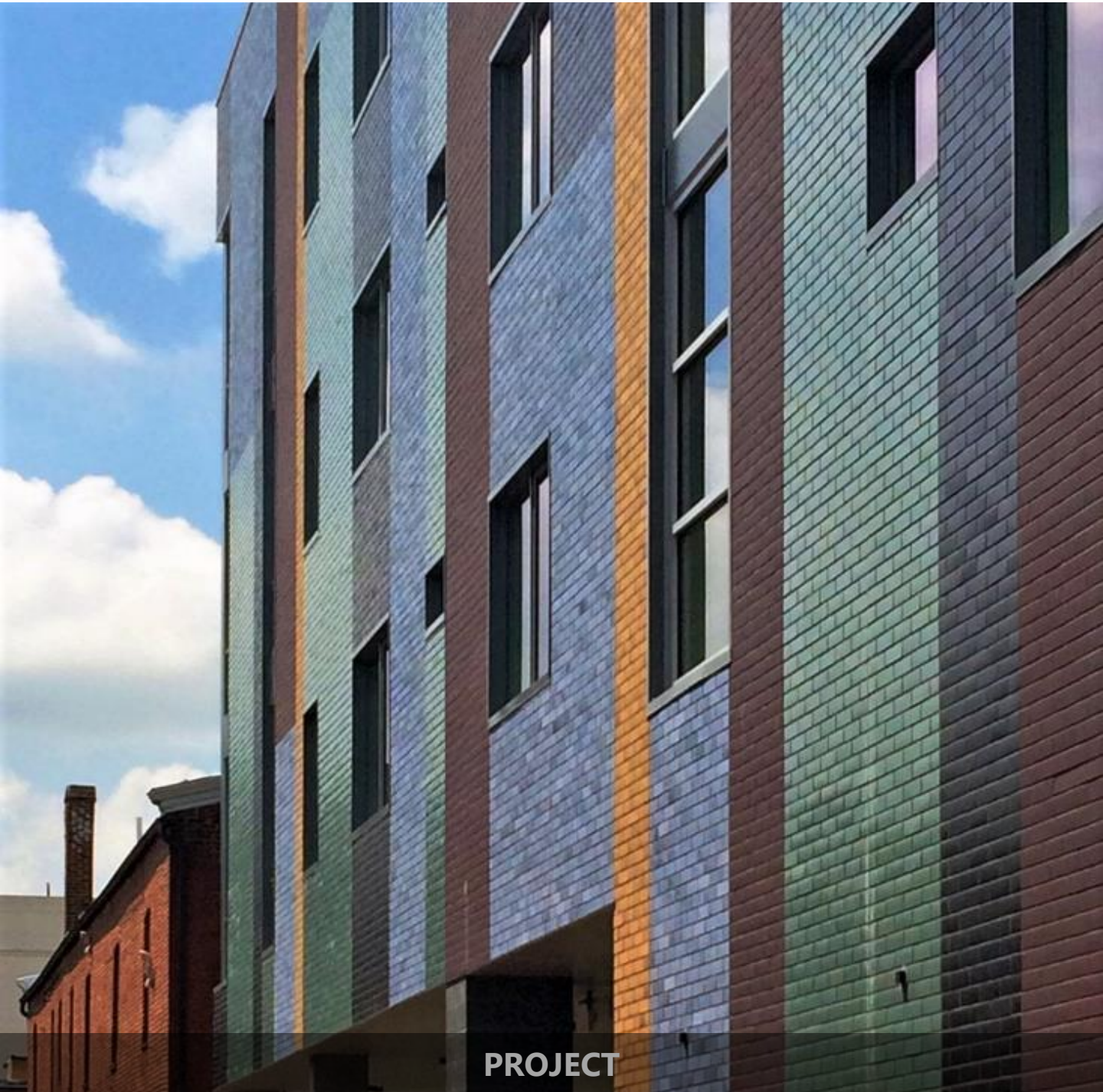




PROJECT

Project:	Loyola University Monroe Hall Renovation
Location:	New Orleans, LA
Year Completed:	2013
Color/Blend:	74010, 10030
Architect:	Holly & Smith Architects





PROJECT

Project:	Bailey Flats at Blagden Alley
Location:	Washington DC
Year Completed:	2015
Color/Blend:	Multi-glazed, unglazed
Architect:	Suzane Reatig Architecture





PROJECT

Project:	Weavers Quay
Location:	Manchester, UK
Year Completed:	2018
Color/Blend:	Multi-glazed, unglazed
Architect:	Buttress Architects





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