SLENDERWALL®

Architectural Precast/Steel Stud Building Panels

A Complete System, Inside and Out

PRECASTCONCRETE

SlenderWall 2" thick architectural precast panels are only 30 lbs. per square foot, **66% lighter** than traditional precast, allowing for **lower structural and foundation costs**. Precast concrete is available in a vast array of Class "A" finishes, colors and textures.

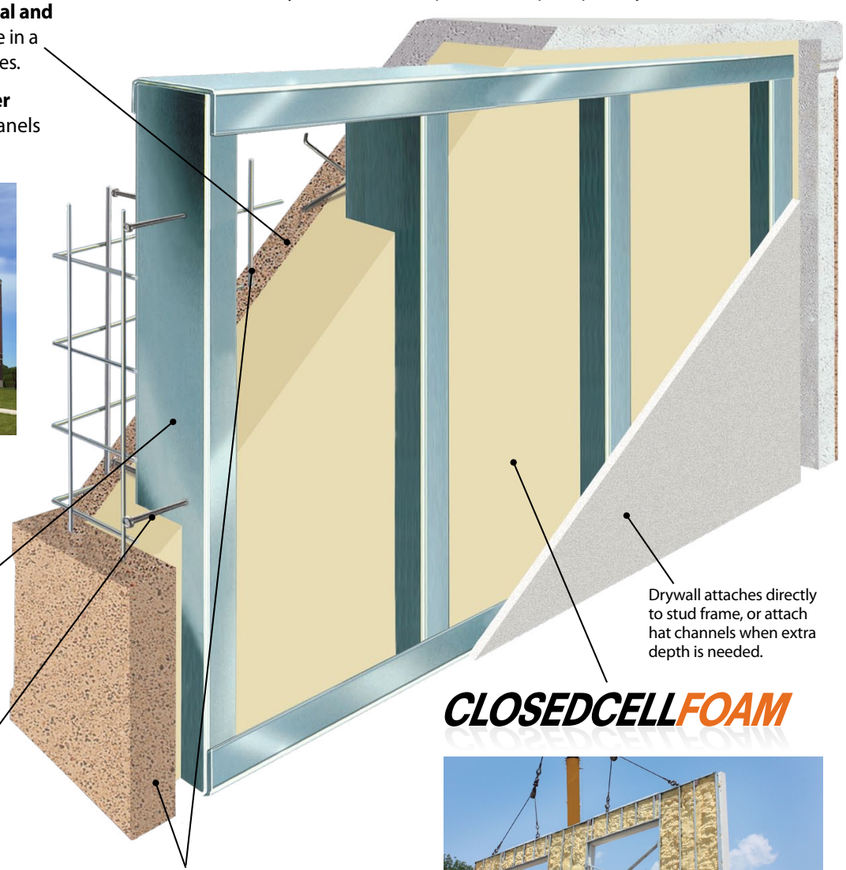
Lighter weight also means **larger panels**, **lower erection costs** and **faster schedules**. More panels per truck load **reduces shipping costs**.

U.S Army Legal Services
Fort Belvoir, VA
33,338 sq. ft. erected in just 14 days!
Architect: Perkins & Will

Johns Hopkins Hospital
Baltimore, MD
Overcladded with panels utilizing Thin-Brick inserts

The design team strategized on how to address the exterior, and make it completely weathertight and add sufficient insulation. "It needed to be a lightweight system and it had to match the Johns Hopkins signature brick aesthetic on campus. The only product we found that met all our criterion was SlenderWall."

Dan McKelvey, Associate Principal & Envelope Expert, Ayers Saint Gros

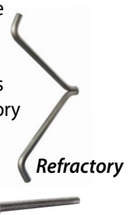


G90STUDFRAME

Ready for drywall, integrated heavy-duty G90 galvanized steel stud framing equates to **fewer on-site trades** and **faster construction schedules**

THERMAGUARD™

Stainless steel fasteners create a thermal-break/air barrier connection by forming a variable gap between the concrete and steel-stud frame, **reducing energy costs**. The system utilizies both headed and refractory fastners to incorporate **flexibility and strength**.



2XREINFORCEMENT

Both molecularly-bound high-tech fiber and welded-wire reinforcement are used in combination, **wind-load tested to 226 mph**

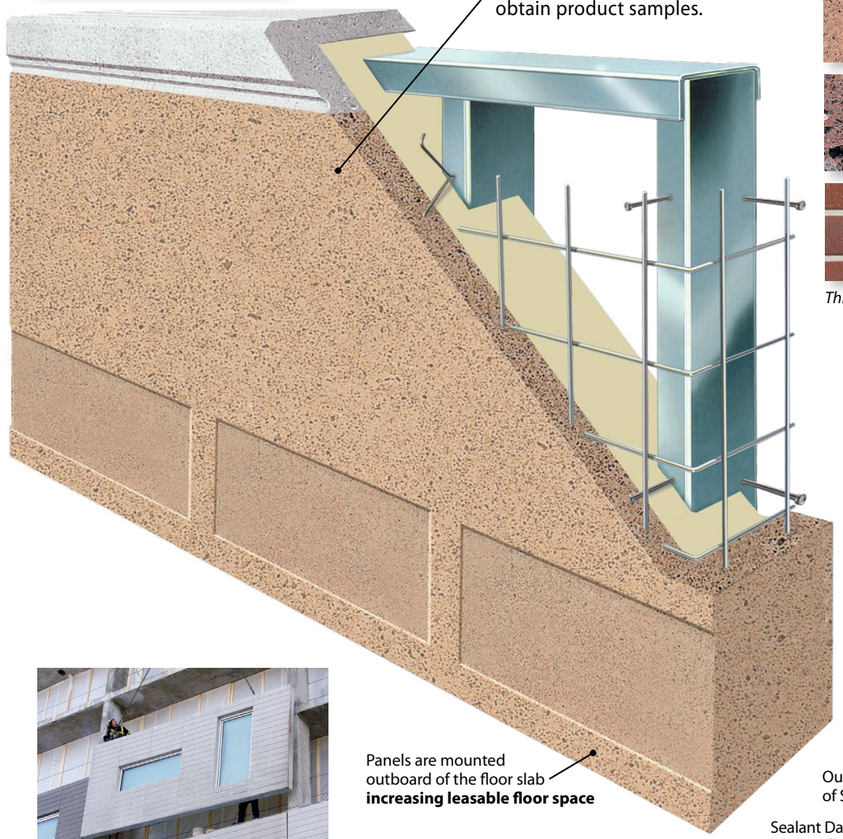
CLOSEDCELLFOAM

Energy Code compliant and NFPA 285 fire-rated, factory-installed closed-cell foam continuous insulation. In addition foam provides primary air and vapor barrier for exterior wall. SlenderWall precast building panels with closed-cell foam insulation have been lab tested to meet **2012 IECC Thermal Requirements from Zone 1 through 8**.

SECONDNATURE™ + CLASS "A" ARCHITECTURAL FINISHES

Second Nature™ is the only architectural precast concrete brick reproduction approved by historical societies and architects for use on high profile architectural projects. It looks like hand-laid brick, **without the time, labor and leaky mortar joints**.

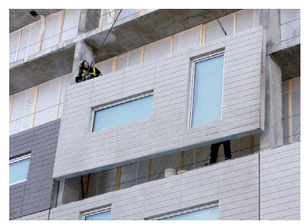
Enjoy a vast array of standard, custom and proprietary **Class "A" finishes, colors and textures**. Thin Brick, stone veneers, standard and custom formed patterns are also are available. Individual panels can contain multiple architectural details and finishes. To your right is a small sampling of the available finishes. Contact your local producer to obtain product samples.



Thin Brick Inserts *Formed Patterns*

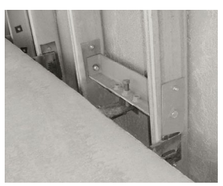
H2OUT™

Optional: The **only** pressure-equalized, in-the-joint rainscreen sealant system with street-level leak detection. If the sealant joint ever fails, leaks exit to the outside of the building with no interior water intrusion and can be located within a localized containment area.



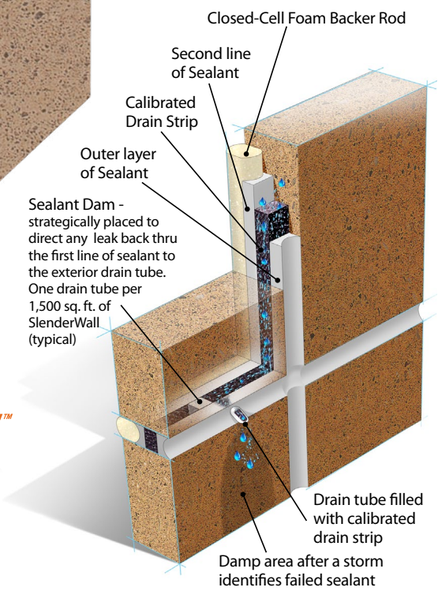
FACTORYWINDOWS

Optional: Factory-installed windows provide **greater control over the quality of installation**. Performed at ground level in a controlled environment, the process improves fit, sealant application, and provides for close-up visual inspection. Factory-windows allow for **faster erection schedules, fewer on-site trades, and lower overall costs**.



LIFT-AND-RELEASE™

Optional: SlenderWall's exclusive panel-landing system that **makes the installation process faster and easier** (no need for crane to wait while connections are made).



What is SlenderWall?

SlenderWall is a hi-performance, thermal and fire code compliant, architectural panel system that combines proven technologies into a single efficient solution for new construction, re-cladding or over-cladding.

Healthcare • Hospitality • Institutional • Offices
Mixed-Use • Multi-Family • Schools

PRECASTCONCRETE
Thin profile Architectural Precast Concrete Panel

G90STUDFRAME
Integral Galvanized Steel Stud Frame, Ready for Drywall

THERMAGUARD™
Variable Depth Stainless Steel Connection System

2XREINFORCEMENT
PVA Fiber & Welded-Wire Reinforcement, Engineered to Last

CLOSEDCELLFOAM
Factory-Installed Continuous Closed-Cell Foam Insulation

FACTORYWINDOWS
Thermal Windows installed & sealed in controlled conditions

LIFT-AND-RELEASE™
Exclusive Panel-Landing System Designed for Fast Installation

H_2OUT!™
In-the-Joint Rainscreen & Leak Detection Sealant System

SECONDNATURE™
Proprietary Architectural Precast Concrete Brick Finish

Why Use Precast?

Precast concrete has become the architectural cladding material of choice wherever superior aesthetics and construction economy are decisive considerations. Architectural precast combines the benefits of durability, low maintenance, excellent fire resistance and energy efficiency. Manufacturing in certified plants also reduces weather related delays and increases quality control standards.

VERSATILITY

The true beauty of precast is found in the architectural effects that can be achieved. Custom-made forms are used to create panels in the precise sizes and shapes. These forms introduce reveals, joints, patterns, and other detailing to the panel surface. Specific color effects can be achieved by varying sands, aggregates, and pigments. Textures can be customized through the use of differing levels of sandblast and acid etch treatments. Stone, tile or brick veneers can be cast into the panels, giving architects compelling visual effects.

ECONOMICAL & FAST

SlenderWall panels are economical to produce, erect, and maintain. Substantial cost savings can be achieved by taking full advantage of reduced foundation and structural requirements, shortened erection schedules and fewer on-site trades.

TIME TESTED DURABILITY

Concrete has proven through centuries to be the reliable choice for building construction. Low maintenance and resistant to the effects of time, Mother Nature and Human Nature are the hallmarks of this material.

A TRUE VALUE

SlenderWall combines the benefits of high durability, low maintenance, excellent fire resistance and energy efficiency. This creates an ideal solution for high-rise towers, where emphasis in on prestige, luxury, safety and aesthetic appeal, or lower-rise structures, where economy and durability are paramount.

Who Benefits?

Developer

— Save money & time upfront

"SlenderWall was the right solution for us."

Lou Haddah, CEO & President, Armada Hoffler

Architect

— Superior Aesthetics & Versatility

"For this project, SlenderWall was cheaper, better and faster to install than alternative construction methods. After all of the options were evaluated, the obvious choice was SlenderWall."

Mr. Doug Carter, AIA, Davis, Carter, Scott

Engineer

— Fully Tested Performance

"Our overall objectives of design flexibility, sound construction, and speed of building erection – all at economical costs – were made possible with the SlenderWall panel system."

Tom LePage, Project Engineer, Barr & Barr

Contractor

— Tighter Erection Schedules

"SlenderWall was chosen for 2 main reasons… it is a continuation of a product that we knew worked well and because of the effectiveness of erection. We had potential tenants and needed to turn around the space quickly."

Stan Link, Senior VP Construction,
Corporate Office Properties Trust (COPT)

Owner

— A Product That Lasts

"We went to Virginia to study the panel system for a project in another state, and we were impressed by its capabilities. So we decided to use the system again for the Alexander."

Fred Daibes, Owner, Daibes Enterprises

Tested & Certified

Earthquake, hurricane and tornado level testing establishes SlenderWall as the system of choice for severe conditions.

All tests were performed by certified independent testing laboratories using nationally recognized standards and methods. Detailed reports are available upon request.

- ✔ Air Infiltration.....ASTM E283
- ✔ Static Pressure Water Resistance.....ASTM E331
- ✔ Dynamic Pressure Water Resistance...AAMA 501.1
- ✔ Structural Performance.....ASTM E330
- ✔ Seismic Movement (Interstory).....AAMA 501.4
- ✔ Thermal Cycle.....AAMA 501.5
- ✔ Thermal Transmittance.....AAMA 1503
- ✔ Thermal Performance.....ASTM C1363
- ✔ Sound Transmission.....ASTM E90
- ✔ In-situ Water Test.....AAMA 503.03
- ✔ Fire Resistance Rating.....ASTM E119

Additional Ratings:

- ✔ Wind Load Test: 226MPH, 130PSF
- ✔ Florida Hurricane Code: NOA #09101.05
- ✔ Blast Resistant Design
- ✔ Fire Rated: NFPA 285

More Information

- ***CALL US TODAY*** *with questions or to initiate a quote -* ***(800) 547-4045.***
- *Contact your local manufacturer or Easi-Set to schedule a* ***Lunch & Learn****.*
- *Visit* ***www.SlenderWall.com*** *for more technical information, project case studies, news, and test reports.*
- ***Register online*** *for access to AutoCAD typical detail files and specifications.*

EASI SET® WORLDWIDE
P.O. Box 400, Midland, VA 22728
info@easiset.com • 800-547-4045
www.EasiSet.com
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