ARMOR WALL® CS-3000

Architect & Contractor Reference Guide

Designed for Performance.
Built on Experience.

Prepared by
Countryside Glass & Mirror, Inc.
Established 1957
St. Petersburg, Florida

A Proprietary Curtainwall System by
Countryside Glass & Mirror, Inc.

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Armor Wall® CS-3000

Architect & Contractor Reference Guide

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About This Guide

The Armor Wall® CS-3000 Architect & Contractor Reference Guide has been developed to provide architects, owners, developers, construction managers, and general contractors with an overview of the Armor Wall® CS-3000 curtainwall system and the commercial glazing services provided by Countryside Glass & Mirror, Inc.

This guide introduces our company, our approach to project delivery, and the capabilities of the Armor Wall® CS-3000 system. It is intended to serve as a practical reference during the planning, design, budgeting, and construction phases of commercial building projects.

Project-specific engineering, calculations, shop drawings, and technical details will be developed as required for individual projects and in accordance with applicable building codes and project requirements.

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Information contained in this publication is subject to revision without notice as products, engineering data, and technical information continue to evolve.

Letter from Leadership

Welcome!

Thank you for taking the time to learn more about Countryside Glass & Mirror and the Armor Wall® CS-3000 curtainwall system.

Since our company was founded in 1957 by our father, Rick Miner, Countryside Glass & Mirror has been guided by a simple philosophy: building lasting relationships by delivering quality workmanship, honoring our commitments, and standing behind every project.

Today, as a second-generation family-owned business, we are proud to continue that legacy. While our company has grown from its beginnings in Clearwater, Florida, to serving commercial construction projects throughout the state, the values established nearly seventy years ago remain the foundation of everything we do.

Every project is unique, but our approach remains consistent. We believe successful projects are achieved through collaboration, communication, careful planning, and a commitment to quality from the earliest stages of design through final installation. Our role extends beyond furnishing and installing glazing systems—we strive to be a trusted partner to architects, owners, developers, construction managers, and general contractors throughout the life of every project.

The Armor Wall® CS-3000 system reflects that same commitment. Developed and fabricated by Countryside Glass & Mirror, it represents our dedication to providing practical, high-performance glazing solutions that meet the demands of today's commercial construction industry.

This reference guide has been prepared to introduce both our company and the Armor Wall® CS-3000 system. We hope it serves as a useful resource as you evaluate glazing solutions and project partners for your current and future developments.

On behalf of our entire team, thank you for your interest in Countryside Glass & Mirror. We appreciate the opportunity to earn your confidence and look forward to the possibility of working with you.

Sincerely,

Kenny Miner

Kenny Miner
President

Kevin Miner

Kevin Miner
Vice President

Countryside Glass & Mirror, Inc.

Company at a Glance

Countryside Glass & Mirror, Inc.

Established 1957 | Family-Owned | Commercial Glazing Specialists

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Company Profile

Founded
1957

Founder
Rick Miner

Ownership
Second-Generation Family-Owned

Leadership
Kenny Miner, President
Kevin Miner, Vice President

Headquarters
2650 Gandy Boulevard North
St. Petersburg, Florida 33702

Employees
Approximately 125

Markets We Serve

Countryside Glass & Mirror provides commercial glazing solutions for a diverse range of building types throughout Florida, including:

- Commercial
- Industrial
- Healthcare
- Hospitality
- Automotive
- Education
- Municipal & Civic
- Essential Services
- Retail & Mixed-Use Developments

Core Services

- Design Assist
- Budget Development
- Engineering Coordination
- Storefront Systems
- Curtainwall Systems
- Fabrication Coordination
- Project Management
- Professional Installation
- Quality Assurance

Project Focus

Countryside Glass & Mirror specializes in commercial glazing solutions for **new construction** and **renovation/retrofit** projects, with a primary focus on **low-rise and mid-rise commercial buildings** throughout Southwestern and Central Florida.

Proprietary System

Armor Wall® CS-3000

A proprietary curtainwall system developed and supported by Countryside Glass & Mirror, providing architects, owners, and contractors with a high-performance glazing solution backed by experienced commercial glazing professionals.

Our Story

Built on Experience. Focused on the Future.

Every company has a beginning. Ours started in **1957**, when **Rick Miner** founded Countryside Glass & Mirror in **Clearwater, Florida** with a commitment to quality workmanship, dependable service, and doing business the right way.

Over the decades, that commitment became the foundation of the company's reputation. Through changing markets, advancing technologies, and evolving construction methods, Countryside continued to grow by building lasting relationships with clients, delivering quality commercial glazing solutions, and standing behind every project.

Today, Countryside Glass & Mirror remains a **second-generation, family-owned business**, led by **Kenny Miner, President**, and **Kevin Miner, Vice President**. While the company has expanded significantly since its early years, the values established by its founder continue to guide every aspect of the business.

Now headquartered in **St. Petersburg, Florida**, Countryside employs approximately **125 dedicated professionals** who support commercial construction projects throughout the state. Our team includes estimators, project managers, field superintendents, skilled installers, and support personnel who work together to deliver successful projects from concept through completion.

Our focus is commercial glazing. We specialize in new construction and renovation projects for low-rise and mid-rise commercial buildings across a wide range of markets, including commercial, industrial, healthcare, hospitality, automotive, education, municipal and civic, essential services, retail, and mixed-use developments.

As the company has grown, so has our commitment to innovation. The development of the **Armor Wall® CS-3000** curtainwall system reflects our continued investment in providing architects, owners, developers, construction managers, and general contractors with practical, high-performance glazing solutions backed by experienced professionals and responsive customer service.

While much has changed since 1957, one thing has remained constant: our belief that successful projects are built on trust, collaboration, quality craftsmanship, and long-term relationships.

Those principles continue to guide Countryside Glass & Mirror today and will remain the foundation of our company for generations to come.

A Curtainwall System Developed for Florida's Commercial Building Environment

Armor Wall® CS-3000 is a proprietary curtainwall system developed, fabricated, and installed by Countryside Glass & Mirror, Inc. Designed and tested to meet the performance requirements of Florida's High Velocity Hurricane Zone (HVHZ) and non-HVHZ applications, the system was created to address the demanding environmental and performance requirements of commercial construction throughout the state.

Drawing upon decades of commercial glazing experience, Armor Wall® CS-3000 combines structural performance, architectural flexibility, and efficient installation into a single curtainwall solution. The result is a system that supports the needs of architects, owners, developers, construction managers, and general contractors while delivering the quality and reliability expected in today's commercial building projects.



Why Armor Wall® CS-3000?

Armor Wall® CS-3000 was developed with a clear objective: to provide a curtainwall system that responds to the practical demands of commercial construction while supporting the design goals of today's architects and building owners.

Every project presents its own challenges. Building type, site conditions, schedules, budgets, aesthetics, and performance requirements all influence the selection of a curtainwall system. Armor Wall® CS-3000 was developed to provide project teams with a practical solution supported by experienced professionals who understand every phase of commercial glazing—from design assist and engineering coordination through fabrication and installation.

More than simply supplying a curtainwall system, Countryside Glass & Mirror partners with architects, owners, developers, construction managers, and general contractors to help deliver successful projects. Armor Wall® CS-3000 is an extension of that commitment, providing a system backed by experience, technical knowledge, responsive service, and long-term support.

Key Advantages

- Designed, tested and approved for Florida's **HVHZ** and **non-HVHZ** applications
- Developed specifically for commercial construction
- **Proprietary system** by Countryside Glass & Mirror
- Supports both new construction and renovation projects
- Design-assist and engineering coordination available
- Fabricated and installed by experienced commercial glazing professionals
- Backed by seventy years of commercial glazing experience

Applications

Designed for a Wide Range of Commercial Building Types

Armor Wall® CS-3000 was developed to support the diverse requirements of today's commercial construction industry. Its flexibility allows it to be used in both new construction and renovation projects while meeting the architectural, structural, and performance requirements for a wide variety of building types.

Whether the project requires a modern curtainwall façade, expansive glazed entrances, or a combination of storefront and curtainwall systems, Armor Wall® CS-3000 provides architects and contractors with a dependable solution supported by Countryside Glass & Mirror throughout the life of the project.

Typical Applications

Armor Wall® CS-3000 is well suited for a variety of commercial building types, including:

- Commercial Office Buildings
- Industrial Facilities
- Healthcare Facilities
- Hospitality & Hotels
- Automotive Facilities
- Educational Facilities
- Municipal & Civic Buildings
- Essential Services Facilities
- Retail Developments
- Mixed-Use Developments

Project Types

Armor Wall® CS-3000 supports both:

- New Construction
- Renovation & Retrofit Projects

From low-rise commercial buildings to mid-rise developments, the system is designed to provide architects and contractors with a practical glazing solution that balances aesthetics, performance, constructability, and long-term durability.

Because every project presents unique design and performance requirements, Countryside Glass & Mirror works closely with the project team to evaluate system configurations, coordinate project-specific requirements, and provide support from design assist through final installation.




LARGO CITY HALL

System Overview

A Flexible Curtainwall System Designed for Commercial Construction

Armor Wall® CS-3000 is a complete curtainwall system designed to accommodate the functional, structural, and aesthetic requirements of commercial buildings throughout Florida. The system is engineered to provide architects and contractors with the flexibility to meet project-specific design objectives while maintaining consistent quality from fabrication through installation.

Every project is unique. Building height, structural requirements, wind loads, glazing selections, and architectural intent all influence the final system configuration. Armor Wall® CS-3000 is designed to accommodate those variables while providing a coordinated solution backed by Countryside Glass & Mirror.

System Components

While individual project requirements vary, the Armor Wall® CS-3000 system typically consists of:

- Vertical and Horizontal Aluminum Framing Members
- Cover Caps
- Glazing Gaskets
- Thermal Components
- Anchoring Systems
- Insulated, Laminated, or Monolithic Glass (project dependent)
- Perimeter Sealants and Weatherproofing Components
- Project-Specific Accessories and Hardware

Each component is selected and engineered to work as part of a complete curtainwall assembly, providing structural integrity, weather resistance, and long-term performance.

Designed for Flexibility

Every project presents unique design challenges. Armor Wall® CS-3000 is engineered to accommodate project-specific architectural requirements while maintaining the structural integrity and performance expected of a modern curtainwall system.

Collaborating closely with architects and project teams, Countryside Glass & Mirror develops system solutions that align with the project's design intent, applicable building codes, and performance criteria.

System Configurations

Configured to Meet the Design Intent of Your Project

The system is available as multiple glazing configurations, allowing the exterior appearance of the building to be tailored to the project's architectural vision and performance requirements. Final system selection is determined through project-specific engineering and coordination with the design team.

Punched Opening Application

In a punched opening configuration, a single pre-assembled unitized panel (or a minimal cluster of joined panels) is inserted directly into a four-sided structural perimeter opening.

- **Structural Behavior:** Unlike single or twin-span variants that bridge across floor slabs, a punched opening unit is isolated within a single floor's wall opening. Wind loads acting on the glass are transferred immediately to the surrounding lintel, jamb and sill of that specific wall opening via perimeter anchors.
- **Target Project Types:** This layout is specified for **classic punched windows** in mid-to-high-rise multi-family housing, hospital patient rooms, hotel rooms, and institutional buildings where a solid-to-glass architectural rhythm is desired over an all-glass facade.
- **Engineering Impact:** The structural demand on the vertical mullions drops significantly because the span is physically restricted by the rough opening height. However, the engineering focus shifts heavily toward **perimeter attachment and expansion**. Perimeter anchor clips must be engineered to handle high HVHZ design pressures while allowing the main building structure to deflect downward under dead loads without crushing the top of the curtain wall frame.

Single-Span Application

In a single-span setup, each vertical mullion is anchored at exactly two points: the bottom (floor/sill) and the top (head/slab above).

- **Structural Behavior:** The system acts as a simple beam supported at both ends. The vertical mullion takes the full tributary wind load of the glass and transfers it directly to those two floor slabs.
- **Target Project Types:** This configuration is typical for **standard storefronts**, ground-floor retail, mid-rise commercial punched openings, and low-to-medium ribbon windows where floor-to-floor heights are uniform and do not exceed standard architectural limits.
- **Engineering Impact:** Deflection limits are constrained solely by the height of that individual floor. Because there are no intermediate connection points, extreme floor heights under high wind loads may require deeper back-sections or internal steel sleeves to keep the mullions from flexing past allowable code margins.

Twin-Span Application

In a twin-span setup, the vertical mullions run continuously past one intermediate floor slab, anchoring at three points: the bottom slab, an intermediate floor line, and the upper slab.

- **Structural Behavior:** This creates a continuous multi-span beam. By pinning the mullion at a third intermediate point, the bending moment (structural stress) in the center of the span is drastically reduced compared to a single span of the same total height.
- **Target Project Types:** Engineered explicitly for **low to mid-rise multi-story envelopes**, multi-floor office glass facades, or multi-story atriums where soaring vertical glass spans are required.
- **Engineering Impact:** The twin-span configuration allows the CS-3000 to maximize its narrow 3-inch profile over much taller vertical runs. Because the intermediate anchors share the structural load, the system can withstand high-velocity hurricane zone (HVHZ) design pressures (up to ±80 or ±90 PSF) across multiple floors without requiring massive, deep structural profiles that block interior view

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Project-Specific Solutions

Every Armor Wall® CS-3000 project is engineered to meet the unique design, structural, and performance requirements of the building. Countryside Glass & Mirror works closely with architects, engineers, owners, and contractors to develop the appropriate system configuration for each application.

Additional engineering details, shop drawings, and project-specific information are developed during the design and engineering process to support successful project execution. Below is a structural comparison chart for the three applications outlined above.

Structural Comparison: Punched Opening vs. Single & Twin Span

Feature / Metric	Punched Opening	Single-Span	Twin-Span
Load Transfer	Transfers lateral wind loads directly into the 4-sided wall perimeter.	Transfers lateral wind loads to two main slabs (floor & ceiling).	Multi-span distribution; shares loads among three or more floor lines.
Frame Geometry	Isolated, self-contained box surrounded by building facade.	Vertical ribbon or localized ground-floor storefront frame.	Continuous vertical glass facade spanning past floor lines.
Deflection & Movement	Absorbs structural movement via sliding perimeter anchor straps/clips.	Accommodates floor movement via a top-of-wall slip joint.	Requires integrated horizontal expansion joints at intermediate slabs.
Water Integration	Relies on continuous perimeter flashing and wraps tied to the wall WRB.	Relies on standard sill starter tracks and vertical stack joints.	Demands highly precise, interlocking stack-joint drainage gaskets.
Installation Speed	**Fastest;** factory-glazed boxes drop directly into pre-cast pockets.	Rapid; sequential assembly along slab edges.	High tracking accuracy required to span multi-floor slab edges.

System Features & Capabilities

Engineered to Support the Demands of Commercial Construction

Armor Wall® CS-3000 has been developed to provide architects, owners, developers, and contractors with a curtainwall system capable of meeting the architectural, structural, and performance requirements of today's commercial building projects.

Designed with flexibility in mind, the system can be adapted to a variety of building types, project conditions, and design objectives while maintaining the quality and reliability expected from Countryside Glass & Mirror.

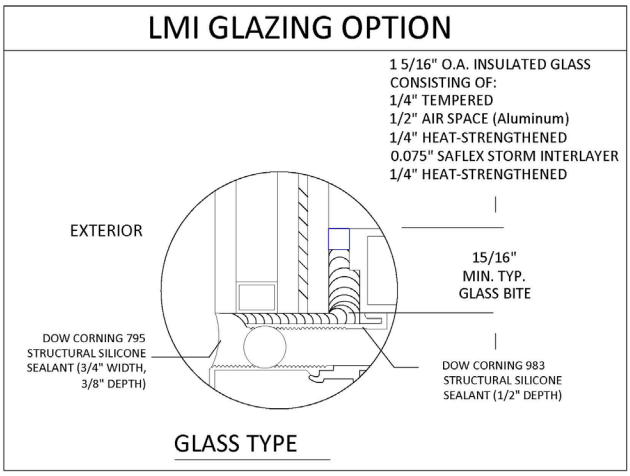
System Features

Armor Wall® CS-3000 offers a range of features designed to support both project performance and constructability, including:

Each Armor Wall® CS-3000 project is supported through engineering coordination developed specifically for the project's design criteria.

- Punched, Single-Span, and Twin-Span Structural Silicone Glazing Configuration
- Four-Sided Structural Silicone Glazing Configuration
- Accommodates Multiple Glass Types and Thicknesses*
- Supports New Construction and Renovation Projects
- Compatible with Project-Specific Architectural Requirements
- Engineered for Florida's HVHZ and Non-HVHZ Applications*
- Fabricated by Countryside Glass & Mirror
- Professionally Installed by Experienced Commercial Glazing Teams

**Project-specific engineering, product approvals, and glazing requirements apply.*



Design & Engineering Support

Collaborating from Concept to Completion

Successful curtainwall projects begin long before fabrication and installation. Early coordination between the design team, owner, general contractor, and glazing contractor helps identify opportunities, resolve challenges, and establish a clear path for project execution.

Countryside Glass & Mirror works collaboratively with project teams throughout the design and preconstruction process to support informed decision-making, practical solutions, and successful project outcomes. Whether assisting during the conceptual design phase or coordinating final construction documents, our goal is to provide timely information and experienced guidance that adds value to the project.

Design-Assist Services

Our design-assist approach helps project teams evaluate glazing solutions early in the design process. Services may include:

- System selection assistance
- Preliminary budgeting
- Constructability reviews
- Design coordination
- Value engineering
- Schedule planning
- Product evaluation and recommendations

By participating early in the project, potential challenges can often be identified before they affect cost, schedule, or constructability.

Engineering Coordination

Every project presents unique structural and performance requirements. Countryside Glass & Mirror coordinates closely with project engineers and design professionals to develop project-specific solutions that satisfy architectural intent, applicable building codes, and project performance criteria.

Engineering coordination may include:

- Shop drawing development
- Structural calculations
- Project-specific system details
- Anchor coordination
- Wind-load and performance considerations
- Glazing recommendations
- Coordination with adjacent building systems

Fabrication & Project Execution

Delivering Quality Through Every Phase of the Project

The successful delivery of a curtainwall system requires careful planning, coordination, and execution. From material procurement through final installation, Countryside Glass & Mirror follows a structured project approach designed to support quality, schedule, and communication throughout every phase of construction.

Each Armor Wall® CS-3000 project is managed by experienced professionals who coordinate with architects, owners, consultants, general contractors, and field personnel to help ensure the system is fabricated and installed in accordance with project requirements.

Project Management

Every project is assigned to experienced project management personnel responsible for coordinating the activities necessary to move the project from award through closeout. Responsibilities include:

- Project scheduling and coordination
- Shop drawing review and tracking
- Material procurement
- Engineering coordination
- Fabrication scheduling
- Delivery coordination
- Installation planning
- Project communication

Maintaining open communication throughout the project helps minimize delays, improve coordination, and support successful project execution.

Fabrication

Armor Wall® CS-3000 components are fabricated in accordance with approved project documentation and established quality standards. Careful planning and coordination during fabrication help support efficient field installation while maintaining the integrity of the completed system. Fabrication activities are coordinated with project schedules to support timely delivery and installation.

Installation

Professional installation is an essential part of every successful curtainwall project. Countryside Glass & Mirror's installation teams work closely with project management and field supervision to coordinate installation activities with the overall construction schedule and adjacent trades.

Installation planning focuses on:

- Jobsite coordination
- Material staging
- Safe material handling
- Sequenced installation
- Quality workmanship

Project Closeout

As construction nears completion, Countryside Glass & Mirror works with the project team to complete final inspections, address punch list items, and provide project closeout documentation as required. Our objective is to deliver a completed glazing system that meets project expectations and reflects the quality standards established at the beginning of the project.

A Collaborative Process

Our objective is to become a valued member of the project team by providing responsive communication, practical solutions, and dependable support throughout the life of the project.

From the earliest planning discussions through fabrication, installation, and project closeout, Countryside Glass & Mirror remains committed to helping architects, owners, developers, construction managers, and general contractors deliver successful commercial glazing projects

Design Considerations

Designing for Performance, Constructability, and Long-Term Value

The successful design of a curtainwall system requires careful consideration of the building's architectural intent, structural requirements, environmental conditions, and performance objectives. Every Armor Wall® CS-3000 application is engineered to address the unique demands of each project while supporting code compliance, constructability, and long-term building performance.

The following design considerations are intended to assist architects, engineers, consultants, and contractors during the planning and evaluation of the Armor Wall® CS-3000 curtainwall system.

Building Code Compliance

Armor Wall® CS-3000 is engineered to satisfy the applicable building code requirements governing the project location and occupancy. Project-specific engineering considers the required design criteria, including wind loads, structural performance, glazing requirements, and other applicable code provisions.

Final system selection shall be based upon the governing building code, the applicable Florida Product Approval, and project-specific engineering.

Specifier's Note — Building Code Coordination

Confirm the governing building code and project-specific design criteria early in the design process. Early confirmation supports efficient engineering coordination, permitting, and project execution.

Wind Loads & Structural Performance

Florida presents one of the most demanding building environments in the United States. Armor Wall® CS-3000 has been designed and tested to meet the performance requirements of Florida's High Velocity Hurricane Zone (HVHZ) and non-HVHZ applications.

Project-specific engineering evaluates design wind pressures, structural loading, and anchorage requirements to ensure the selected system configuration satisfies the performance requirements established for each project.

Building Movement & Deflection

Commercial buildings are subject to movement throughout their service life because of structural loading, wind events, thermal expansion and contraction, floor deflection, and normal building movement. These conditions are important design considerations when evaluating any curtainwall system.

Armor Wall® CS-3000 is engineered to accommodate anticipated building movement through project-specific engineering, system detailing, and anchorage design appropriate for the intended application. Each project is evaluated independently to ensure the selected system configuration supports the building's structural and performance requirements.

Specifier's Note — Building Movement Coordination

Coordinate anticipated building movement, structural deflection, and interface conditions early in the design process. Early coordination supports long-term curtainwall performance and proper integration with adjacent building components.

System Configuration

Armor Wall® CS-3000 is available in multiple glazing configurations to accommodate varying architectural and performance objectives.

Available configurations include:

- Punched opening Structural Silicone Glazing (SSG)
- Single-span Structural Silicone Glazing (SSG)
- Twin-Span Structural Silicone Glazing (SSG)

The appropriate configuration is selected based upon architectural appearance, structural requirements, constructability, maintenance objectives, and project-specific engineering.

Glazing Selection

The selection of glazing has a considerable influence on the overall performance of the building envelope. Project requirements may include insulated, laminated, tempered, heat-strengthened, Low-E, spandrel, or other specialty glazing products depending upon the project's architectural, structural, energy, and safety requirements.

Final glazing selection should be coordinated with the project specifications, applicable building codes, and the design team.

Engineering Coordination

Each Armor Wall® CS-3000 project is supported through engineering coordination developed specifically for the project's design criteria.

Engineering services may include:

- Design Assist

Specifier's Note — Early Design Coordination

Coordinate with Countryside Glass & Mirror during schematic design to evaluate system selection, glazing options, structural requirements, constructability, and budget considerations before construction documents are finalized. This collaborative approach supports informed decision-making and can reduce revisions later in design and construction.

Project Collaboration

Successful commercial glazing projects rely on collaboration throughout the design and construction process. Countryside Glass & Mirror works closely with architects, engineers, owners, consultants, construction managers, and general contractors to support coordinated project delivery from concept through completion.

Early communication among the project team helps identify potential challenges, streamline engineering, and support efficient fabrication and installation.

Technical Reference

"This page provides architects, engineers, consultants, and contractors with technical reference information to assist in the evaluation and application of the Armor Wall® CS-3000 curtainwall system. Final system selection, engineering, and code compliance shall be based upon project-specific requirements and the applicable Florida Product Approval."

Regulatory Compliance & Approvals

- **Statewide Master File:** FL31183 (Subcategory: Curtain Walls). [1]

- **FBC Code Cycle:** Fully validated and active for the current **Florida Building Code (FBC)** standards. [1, 2]
- **Jurisdictional Mandate:** Certified for High-Velocity Hurricane Zones (**HVHZ**), explicitly legal for use in Miami-Dade and Broward counties under statewide evaluation rules. [1]
- **Wind Zone Rating:** Rated for **Wind Zone 3 (WZ3)** and coastal exposure environments. [1]
- **CSI MasterFormat Classification: 08 44 26** (Structural Glass Curtain Walls) or **08 44 26.16** (Metal-Framed Point-Supported Glass Curtain Walls). [1]

Structural Material Specifications

- **Aluminum Extrusion Alloy:** Fabricated from high-tensile **6063-T5 aluminum**.
- **Sightline Profile:** 3.0 inches (76.2 mm) uniform face dimension.
- **Glazing Profile Capacity:** Deep frame capacity engineered to carry high-load glass units without internal structural failures.
- **Primary Configuration Styles:** Factory pre-assembled unitized panel layout, accommodating either **2-sided or 4-sided Structural Silicone Glazing (SSG)**

Performance Test Benchmarks

1. Structural Wind Loads

- **Design Pressures (DP):** Certified for performance thresholds up to **±80 PSF to ±90 PSF**, depending on the localized span layout and anchor bracket selections. [1, 2]

2. Hurricane Impact Ratings

- **Large Missile Impact:** Tested and compliant for lower floors and high-traffic impact zones under TAS 201 mandates.
- **Small Missile Impact:** Compliant for high-elevation exposures on upper floor levels.

3. Environmental Enclosure Ratings

- **Water Infiltration Resistance:** Rated to comfortably surpass code-minimum dynamic and static water barriers (typically engineered around 15–20 PSF cycles).
- **Thermal Performance:** Integrated as a **thermally broken** design using advanced perimeter isolating breaks to check energy loads. [1]

Additional technical information is available upon request, including:

- Florida Product Approvals
- Structural Test Reports
- Engineering Calculations
- Shop Drawings
- Typical System Details
- Product Data
- Project Evaluation Report