



Kuhmo Tires Distribution Center, McDonough, GA  
Photography by Keith Cronin @Paragon Construction, Inc.

> Specify  
Quality

## Curtain Wall Systems



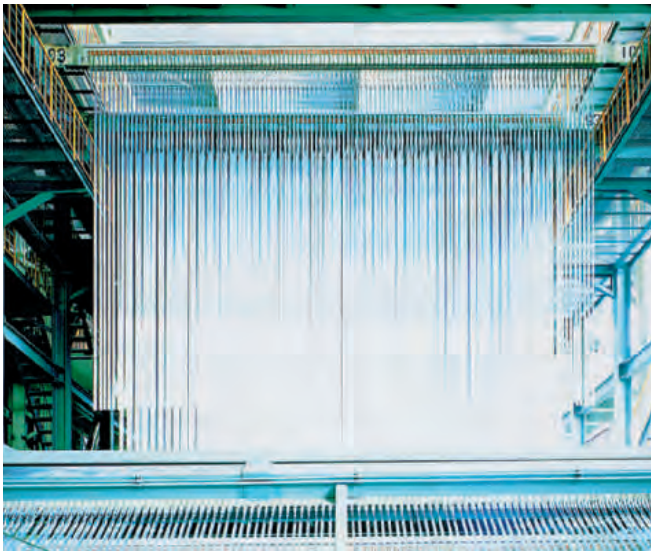
Entrances | Storefronts | Curtain Wall | Windows | Sun Controls | Balcony Doors



# YKK AP America — The Company



*YKK AP maintains a state-of-the-art ISO 14001 certified manufacturing facility in Dublin, Georgia.*



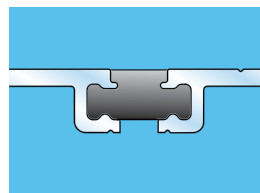
The Architectural Products division of YKK is today a world leader in the manufacture of aluminum building products. YKK AP is committed to producing architectural products of the highest quality and at the lowest possible cost. To this end, YKK AP has built one of the newest and most technologically advanced manufacturing facilities in the United States in Dublin, Georgia. There, all manufacturing is vertically integrated to ensure control of quality, delivery and cost.

YKK AP America's slogan "Quality inspires™", expresses our belief that quality goes far beyond the products we ship from the plant. Quality is the driver behind every YKK AP product — including every action, every process and every service for every YKK AP customer.

To provide years of dependable use, a new building must have excellence built-in from the beginning. That is why architects, developers and construction engineers are specifying architectural aluminum entrance, storefront, curtain wall, window and balcony door systems from YKK AP.

YKK AP has a long track record of enhancing the exterior envelope of all types of buildings, including office buildings, stadiums, malls, schools, hospitals, hotels, condominiums, and more. Our products ensure users a safe, sustainable and comfortable environment. For example, YKK AP pioneered the introduction of **YKK AP ProTek™** — a unique family of systems that mitigate risks associated with natural and man-made disasters.

As Architects and builders employ "green" design, they are turning to YKK AP for custom-crafted, sustainable building products.



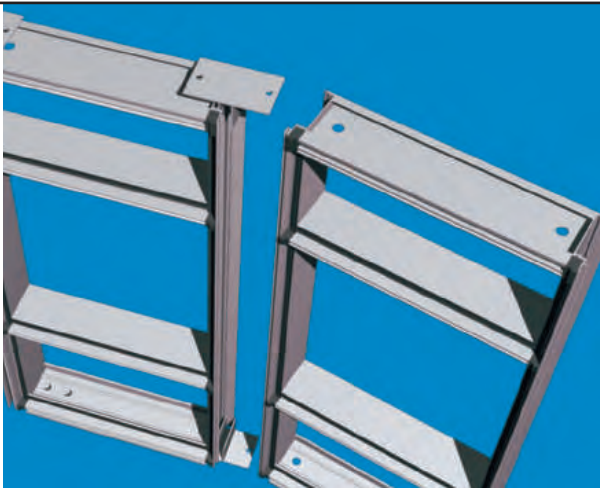
**ThermaBond Plus®**  
(poured and debridged thermal break)  
Combining science and technology, YKK AP employs a patented process, ThermaBond Plus, to greatly improve the adhesion of the polyurethane to the aluminum extrusion.

## **Anodized Plus®**

YKK AP has the only finish that meets all of the requirements of AAMA 612, the newest standard for anodized finishes. It combines the beauty of anodizing with performance characteristics that resist damage from mortar, alkali and other chemicals. Your building is protected from harsh construction conditions as well as other environmental elements for the lifetime of the building. Anodized Plus is available in clear, dark bronze, medium bronze, black, champagne and white finishes.

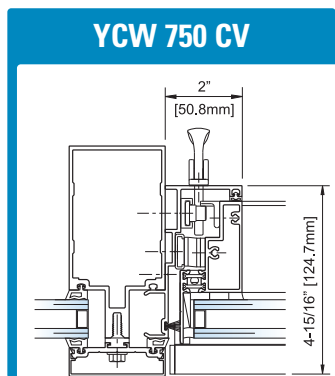
In addition, YKK AP offers a variety of painted finishes that are applied at our environmentally friendly Dublin facility which meet or exceed the requirements of AAMA 2603, 2604 and 2605.

For additional information about the full line of quality products and services offered by YKK AP, call 1-800-955-9551 or visit our web site at [www.ykkap.com](http://www.ykkap.com).



#### Shop Fabrication

YCW 750 SplineTech™ allows complete shop fabrication, assembly, and glazing prep to reduce total labor costs.



### YCW 750 Concealed Vent

Minimal sightline vent for use with YKK AP's YCW 750 curtain wall systems.

For further information please visit [www.ykkap.com](http://www.ykkap.com), or see our Sweets Window & Balcony Door Systems catalog 08 51 13/YKK Buyline 9372.

One Crescent Drive, Philadelphia, Pennsylvania

Architect: Vitetta

Glazing Contractor: R.A. Kennedy

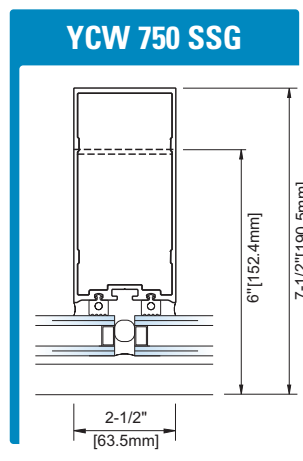
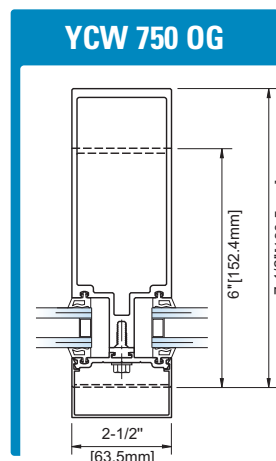
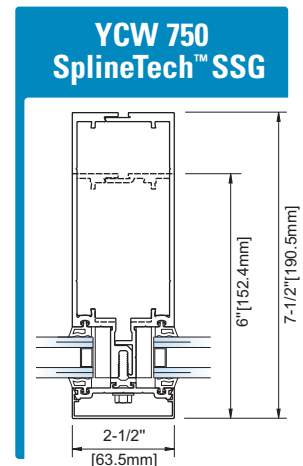
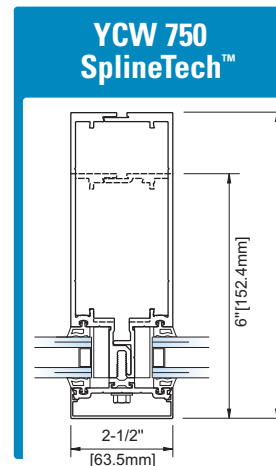
Systems Used: YCW 750 OG/SSG, YWE 60 T & Model 35D  
LEED Platinum Certified



### YCW 750 SplineTech™

Screw spline constructed, outside glazed curtain wall system.

- Enhanced design flexibility
  - Dual finish option (interior - exterior)
  - Variety of face covers
  - Engineered to meet the most stringent building codes
  - Optional two-sided structural silicone glazing at verticals
- Reduced field labor
  - Verticals may be punched to attach horizontal members.
  - Pre-assemble and prep for glazing in the shop.
  - Open back head and sill members for ease of installation
- Low profile door sub-frames for YKK AP entrances



### YCW 750 OG/SSG

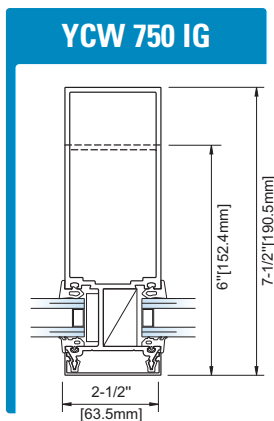
Outside glazed curtain wall system.

- Design freedom
  - Two sided structural silicone glazing capability
  - Splayed mullions to create dramatic building aesthetics
  - Variety of face covers
  - Dual finish option (interior - exterior)
  - Engineered to meet the most stringent building codes
- Stick built using concealed fasteners
- Low profile door sub-frames for YKK AP entrances

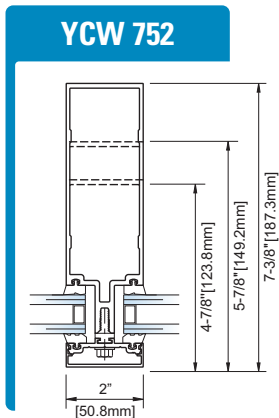
## YCW 750 IG

### | Inside glazed curtain wall system.

- Installation efficiencies
  - Inside glazing enhances the installation process
  - Outside glazing options available
  - Two-piece glass stop improves critical seals and reduces material cost
  - Open back head and sill members for ease of installation
- Design characteristics
  - Variety of face covers
  - Dual finish option (interior - exterior)
  - Engineered to meet the most stringent building codes
- Low profile door sub-frames for YKK AP entrances



*Georgia 400 Center, Alpharetta, Georgia*  
 Architect: Thompson, Ventulett, Stainback & Associates  
 Glazing Contractor: Harris/Cartner Wall Systems  
 Systems Used: YCW 750IG, YWE 40T, & Model 50D



*Bank of Prattville, Prattville, Alabama*  
 Architect: Goodwin, Mills & Cawood Inc.  
 Glazing Contractor: Independent Glass  
 Systems Used: YCW 752

## YCW 752

### | Inside glazed curtain wall system.

- Design characteristics
  - Narrow 2" Sightline for crisp aesthetics
  - Variety of face covers
  - Dual finish option (interior - exterior)
  - Engineered to meet the most stringent building codes
- Stick built, pressure equalized curtain wall system
- Low profile door sub-frames for YKK AP entrances



## YCW 250

### | Inside glazed, "I-beam" curtain wall system.

- Monumental application capabilities
  - Low to high rise product applications
  - Factory engineered and fabricated
  - Inside glazing enhances the installation process
  - Outside glazing options available
- Design flexibility
  - Variety of horizontal and stool trims
  - All fasteners are concealed.
  - Dual finish option (interior - exterior)
  - Engineered to meet the most stringent building codes
- Snap-on interior covers minimize material costs.

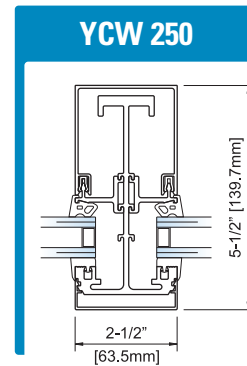


Photo ©2008 Highwoods Properties

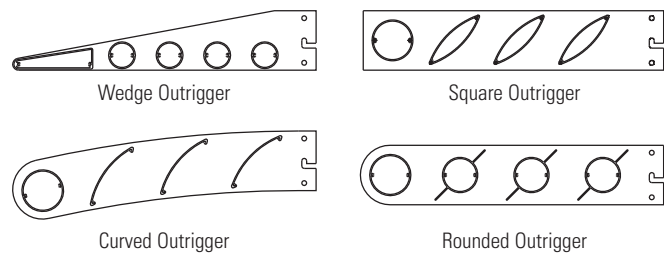


**RBC Tower, Raleigh, North Carolina**  
 Architect: Cooper Carry  
 Glazing Contractor: Harris/Carter Wall Systems  
 Systems Used: YCW 750 OG, YCW 750 IG, YCW 250,  
 YWW 50 T with slab edge cover, YSD 400, & Model 35D

**Brick Street mutual Insurance Co.,  
 Charleston, West Virginia**  
 Architect: Associated Architects, Inc.  
 Glazing Contractor: Central Glass of Charleston  
 Systems Used: ThermoShade™ & YCW 750 OG



## YKK AP ThermoShade™



– Over 100 Outrigger, Louver & Fascia Combinations Available –

## YKK AP ThermoShade™

### | Thermally broken sun control system.

- Cradle to Cradle<sup>SM</sup> Certified for extra LEED benefits (contact YKK AP for more details)
- The industry's only thermally-broken sunshade system
  - Patent pending curtain wall anchor featuring ThermoBond Plus®
  - Minimizes energy transfer at the point of attachment
- Pre-engineered, pre-fabricated solutions
  - Available in over 100 configurations (24", 30", and 36" projections)
  - 90° inside and outside corners
  - Reduces lead times at bid stage and material procurement
  - Reduces fabrication and installation time
- Integrates with YKK AP's curtain wall systems and other building conditions

# YKK AP ProTek™ Impact Resistant & Blast Mitigation Systems

## IMPACT RESISTANT SYSTEMS

All YKK AP ProTek™ systems are engineered to create a protective envelope around your building – protecting it from fierce cyclical pressures and projectiles associated with hurricane force winds.

Contact YKK AP for glazing requirements.



*Four Seasons, Miami, Florida  
Architect: Bermello, Ajamil & Partners  
Glazing Contractor: N.R. Windows, Inc.  
Systems Used: YHC 300 OG & Model 35H*



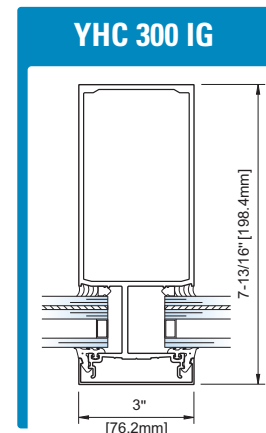
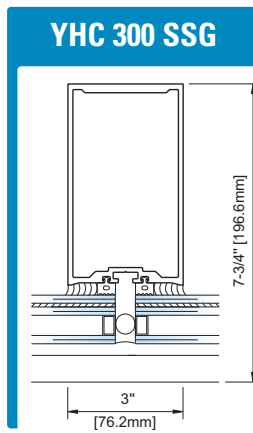
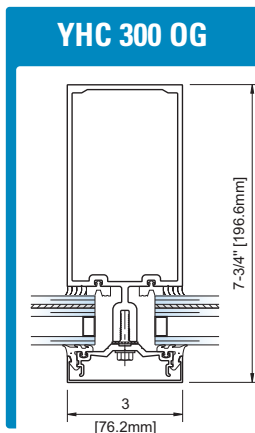
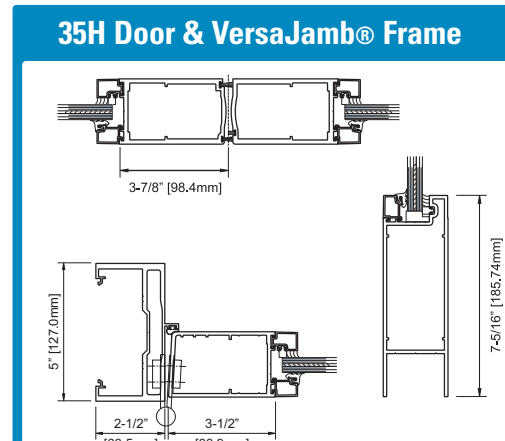
### Destruction

*Hurricane Rita's destructive power rolls furiously across the Gulf of Mexico, headed for the helpless Louisiana and Texas coastal areas during the record breaking 2005 hurricane season.*

## 35H Doors

**Hurricane impact resistant door for both Large and Small Missile requirements.**

- ASTM E-1886/E-1996, TAS 201, 202, and 203 +70/-90 PSF (Large & Small Missile Impact)
- Miami Dade NOA and Florida state-wide product approval
- Integrates with YHS and YHC systems
- Accepts 9/16" glazing
- Large Missile dry glazing option
- Blast Mitigation Testing – ASTM F 1642





**Detonation**  
 YHC 300 OG was tested in a true curtain wall application at 6psi/41 psi-ms, resulting in a GSA 3B level protection.

**BLAST MITIGATION SYSTEMS**

YKK AP has applied all the knowledge and experience that we gained in leading the development of hurricane impact resistant systems to providing protection for building occupants from man-made disasters. The majority of YKK AP ProTek™ systems meet the requirements of the Unified Facilities Criteria (UFC) and the requirements of the GSA. Several Systems have been fully tested in accordance with ASTM F-1642 to provide proven performance at higher loads without reinforcements.



*FW: Olin Physical Science Building,  
 Florida Institute of Technology, Melbourne, Florida  
 Architect: STH Architectural Group, Inc.,  
 Glazing Contractor: Miller Glass & Glazing Inc.,  
 Systems Used: YHC 300, YHS 50, & Model 35H*



SYSTEMS <sup>(1)</sup>	Protection Levels		Comments
	ASTM F 1642 <sup>(2)</sup>	GSA-TS01	
YHC 300 OG (wet & dry glazing)	Low Hazard	3b	6psi/41 psi-ms
YHC 300 OG (dry glazing)	No Hazard	2	4psi/28 psi-ms
YHC 300 IG (wet glazing)	Meets UFC 4-010-01 prescriptive standard in accordance with 2007 revisions	Must be analyzed using dynamic analysis by a blast consultant	
YHC 300 IG (wet glazing)			

<sup>(1)</sup>-Contact YKK AP for glazing requirements

<sup>(2)</sup>-Tested in accordance with ASTM F 1642 for compliance with UFC 4-010-01

**YHC 300**

**High performance curtain wall system designed for low to mid-rise applications.**

- YHC 300 IG is an inside glazed system that utilizes a two piece glass stop to aid in the sealant process and reduce materials cost
- YHC 300 OG is an outside glazed pressure equalized curtain wall system
- YHC 300 SSG permits two-sided structural silicone glazing of intermediate verticals for a clean, uninterrupted look
- ASTM E-1886/E-1996, TAS 201, 202, and 203
  - YHC 300 IG +/- 120 PSF
  - YHC 300 OG & SSG +/- 90 PSF
- Miami Dade NOA and Florida state-wide approval
- Thermally improved to reduce heating and cooling costs
- Monolithic and insulating glazing options available
- Blast Mitigation Testing – ASTM F 1642, for YHC 300 OG

# Additional Information

## Service Centers

### Atlanta

5610 Gwaltney Drive  
Atlanta, GA 30336  
Tel: 404-629-3870  
Fax: 404-629-3899

### Boston

Eight Connector Road  
Andover, MA 01810  
Tel: 978-749-9554  
Fax: 978-749-2915

### Baltimore

8680 Greenwood Place  
Savage, MD 20763  
Tel: 301-498-3650  
Fax: 301-498-3755

### Chicago

1000 Stevenson Court  
Suite 100  
Roselle, IL 60172-4314  
Tel: 630-582-9602  
Fax: 866-955-2441

### Cincinnati

5406 Spellmire Drive  
Cincinnati, OH 45246  
Tel: 513-942-7200  
Fax: 513-682-2123

### Dallas

2025 W. Belt Line Road  
Suite 130  
Carrollton, TX 75006  
Tel: 972-245-9551  
Fax: 972-245-9522

### Greensboro

4524 Green Point Drive  
Suite 106  
Greensboro, NC 27410  
Tel: 336-665-1963  
Fax: 336-665-1965

### Houston

3550 Brittmoore Road  
Suite 200  
Houston, TX. 77043  
Tel: 713 329-9551  
Fax: 713 939-0811

### Orlando

7608 Currency Drive  
Orlando, FL 32809  
Tel: 407-856-0660  
Fax: 407-856-0090

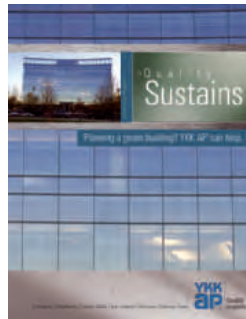
### Headquarters

7680 The Bluffs  
Suite 100  
Austell, GA 30168  
Tel: 678-838-6000  
Fax: 678-838-6001

Download these brochures and more at [www.ykkap.com](http://www.ykkap.com)



Hurricane Impact Resistant



Environmental (LEED)



Blast Mitigation

For architectural specifications, details and warranty information, call 1-800-955-9551 or visit our website at [www.ykkap.com](http://www.ykkap.com).

The contents of this catalog are intended for product information only. All information and details within this catalog are subject to change without notice.

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**Sweets**.com

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16-1005-00

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