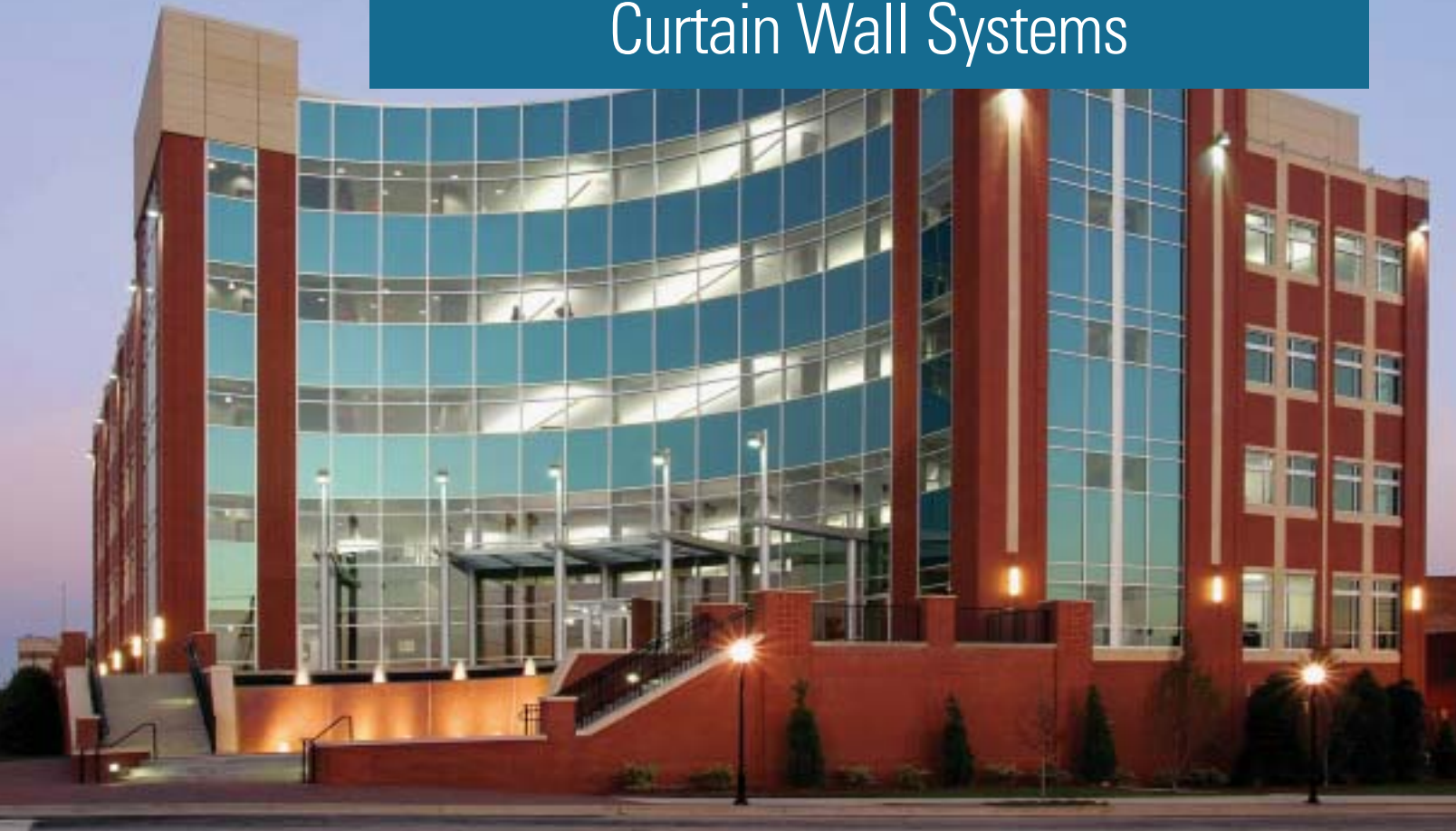




OS/1 Data Systems HQ, Spartanburg, SC

> Specify  
Quality

## Curtain Wall Systems



Entrances | Storefronts | Curtain Wall | Windows | Sliding Doors

# YKK AP America — The Company



*Vertically integrated manufacturing guarantees that our extrusions exceed industry standards.*

*Our unique anodizing process provides the greatest color consistency in the industry.*

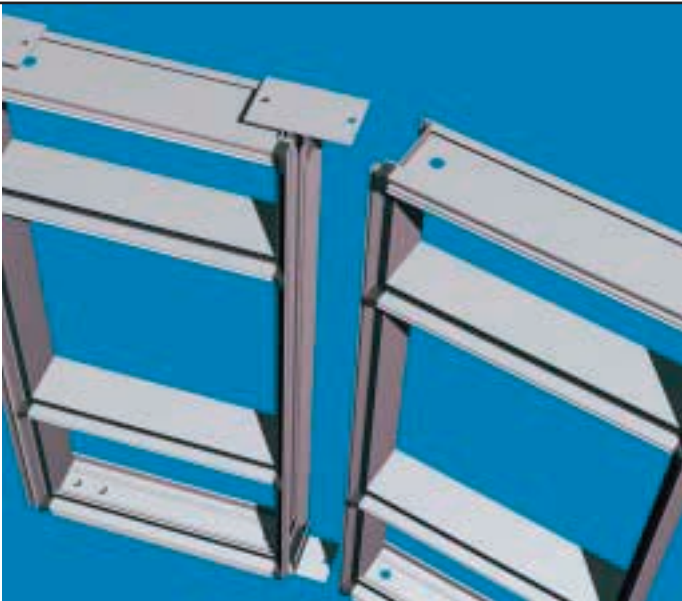


Founded more than a quarter-century ago, the Architectural Products division of YKK is today a world leader in the manufacture of aluminum building products. YKK AP is committed to producing architectural products of the highest quality and at the lowest possible cost. To this end, YKK AP has built one 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.

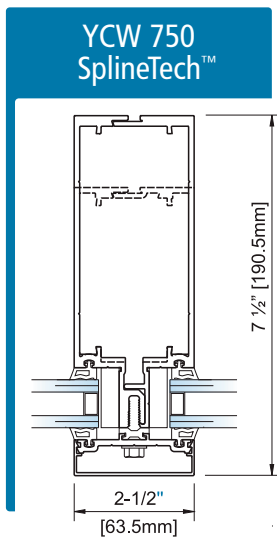
Our Anodized Plus® surface treatment features an anodized finish that meets all of the requirements of AAMA 612, the latest standard for anodized finishes. Only AAMA 612 finishes provide the beauty of a standard anodized finish and the ability to resist damage from mortar, alkali and other chemicals likely to come into contact with the framing system over the life 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.



*Garmin International, Olathe, Kansas*  
*Architect: Peckham, Albers, Guyton & Viets*  
*Glazing Contractor: Building Erection Service Co., Inc.*  
*Systems Used: YCW 750 SSG, YWE 60 T, YOW 225 TU, & 35D*

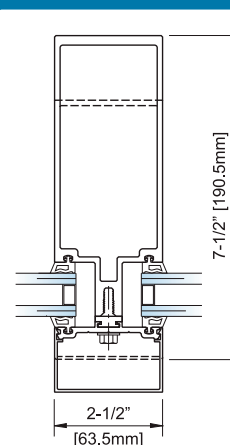


## YCW 750 SplineTech™

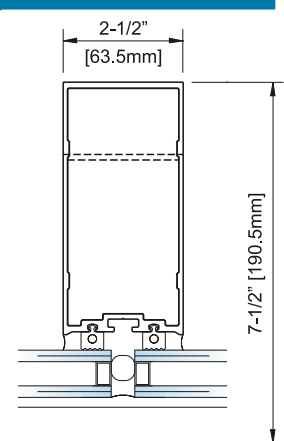
**Screw spline constructed, outside glazed curtain wall system designed for low-rise applications**

- 2-1/2" face by 3-3/4" or 5-1/4" back member
- Complete systems for 1/4" monolithic glazing or 1" insulating glazing
- Screw spline construction
- Verticals may be punched to attach horizontal members
- Shop assembly and glazing prep reduces field labor
- Open back head and sill members for ease of installation
- Optional two-sided structural silicone glazing at intermediate verticals
- Low profile door sub-frames for YKK AP entrances

### YCW 750 OG



### YCW 750 SSG



## YCW 750 OG/SSG

**Outside glazed pressure wall system designed for low to mid-rise applications**

- YCW 750 OG is a complete pressure equalized, captured curtain wall system
- YCW 750 SSG is a two-sided structural silicone glazed curtain wall system that can be used independently or with YCW 750 OG
- Complete systems for 1/4" monolithic glazing or 1" insulating glazing
- 2-1/2" face by 3-3/4", 5-1/4", or 6-3/4" back member
- Separate interior/exterior finish options
- Various snap-on face covers are available depending on design requirements
- Shear clip attachment with concealed fasteners
- Low profile door sub-frames for YKK AP entrances

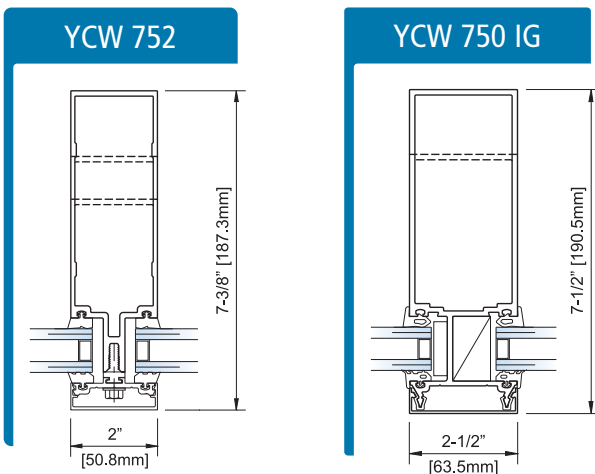
## YCW 752

**Narrow sight line, outside glazed pressure wall system designed for low to mid-rise applications**

- Complete systems for 1/4" monolithic glazing or 1" insulating glazing
- 2" face by 3-3/4" or 5-1/4" back member
- Separate interior/exterior finish options
- Various snap-on face covers are available depending on design requirements
- Low profile door sub-frames for YKK AP entrances



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



## YCW 750 IG

**Thermally improved, inside glazed curtain wall system designed for low to mid-rise applications**

- Complete systems for 1/4" monolithic glazing or 1" insulating glazing
- 2-1/2" face by 3-3/4" or 5-1/4" back member
- Inside glazing reduces labor costs
- Outside glazing options are available where inside glazing is not permissible
- Attaching face covers with polymer thermal clips improves thermal performance, reduces labor, and enables separate interior/exterior finish options
- Shear clip attachment with concealed fasteners
- Open back horizontal members for ease of installation
- Two piece glass stop aids the sealant process and reduces material costs
- Low profile door sub-frames for YKK AP entrances

*Blue Cross Blue Shield of Florida, Inc. Jacksonville, Florida  
Architect: Spillis, Candela & Partners, Inc.  
Glazing Contractor: Garrison Glass Co., Inc.  
Systems Used: YCW 750 IG & 35D*



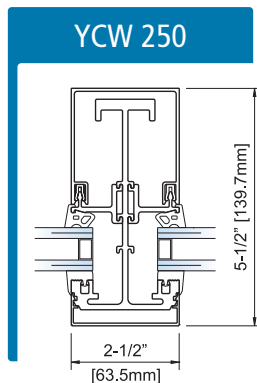
## YCW 250

### Inside glazed "I-Beam" curtain wall system designed for low to high-rise applications

- 2-1/2" face with 3-3/4" & 5-1/4" back members
- Accepts 1" insulating glazing and 1/4" spandrel infills
- Inside glazing reduces labor costs
- Outside glazing options are available where inside glazing is not permissible
- Snap-on interior covers minimize material costs
- All fasteners are concealed
- Various assortment of horizontal & stool trim to fit design needs
- Various snap-on face covers are available depending on design requirements
- Factory engineered and fabricated



*Charleston Gateway Center, Charleston, South Carolina*  
 Architect: LS3P Architects  
 Glazing Contractor: Jennings Paint & Glass Co.  
 Systems Used: YCW 250



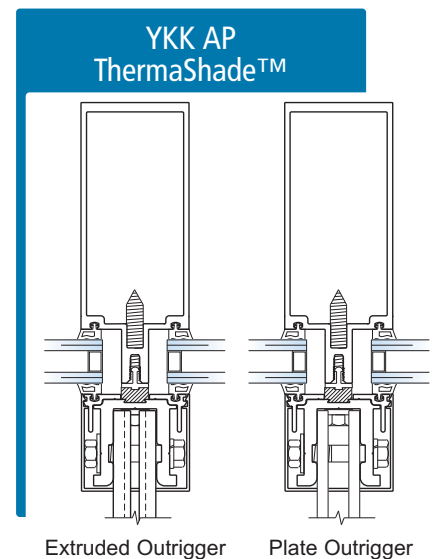
*Brick Street Development, Charleston, West Virginia*  
 Architect: Associated Architects, Inc.  
 Glazing Contractor: Central Glass of Charleston  
 Systems Used: ThermaShade™ & YCW 750 OG



## YKK AP ThermaShade™

### Standard sunshade with a wide variety of styles and a thermally broken anchor clip to provide additional energy savings

- Pre-engineered system to reduce lead times
- Standard 24", 30" & 36" projections with other depths available
- Patent pending thermally broken anchor clips to improve overall thermal performance of the glazing system
- Concealed fasteners
- Wide variety of standard and custom louver blades and outriggers available to meet project requirements
- YKK AP Anodized Plus® or painted finishes
- Designed to be attached to YKK AP curtain wall systems or buildings





# 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 – securing it from fierce cyclical pressures and projectiles associated with hurricane force winds.

## 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 the 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

Contact YKK AP for glazing requirements.



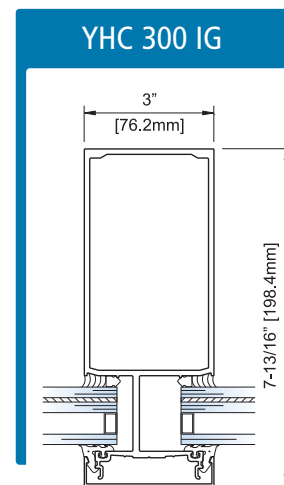
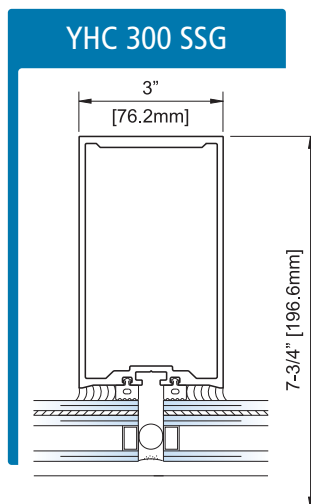
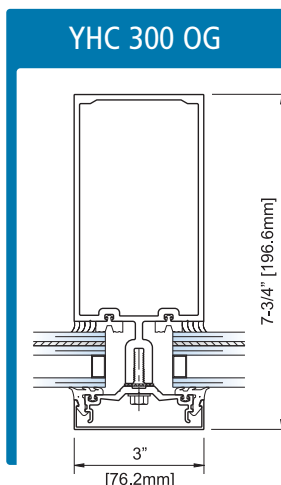
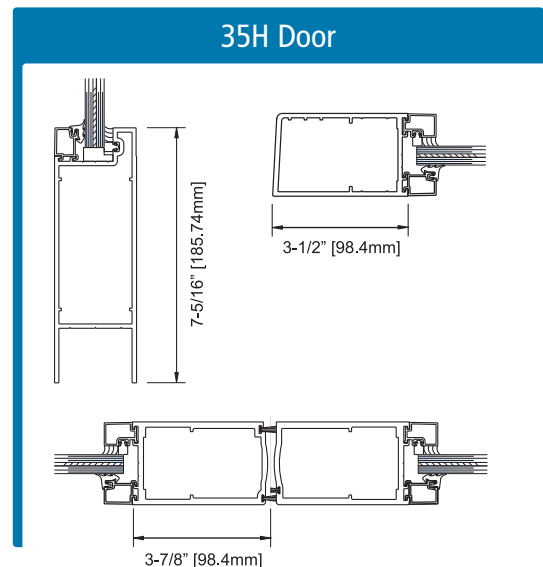
### *Destruction*

*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

### Non-shuttered, 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 and Small Missile Impact)
- Miami Dade NOA and Florida state-wide product approval
- Singles: Up to 4'-0" x 8'-0", and pairs up to 8'-0" x 8'-0"
- Framing systems for YHS 50, YHS 50 FI, YHS 50 TU and curtain wall
- 9/16" glazing
- Large Missile dry glazing option
- ASTM F-1642 blast mitigation testing wet and dry glazing options



# YKK AP ProTek® Impact Resistant & Blast Mitigation Systems



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



*Flight Safety Boeing, Miami, Florida*  
Architect: The Haskell Co.  
Glazing Contractor: Pena-Alum, Inc.  
Systems Used: YCW 300 OG/SSG










## YHC 300

**Non-shuttered, high performance curtain wall system designed for low to mid-rise applications**





- ASTM E- 1886/1996 / TAS 201, 202, 203 +70/-90 PSF (Large and Small Missile)
- Miami Dade NOA and Florida state-wide product approval
- 3" face by 5-1/4" back member with complete systems for monolithic and insulating glazing with a wide variety of snap on face covers
- 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
- 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
- Glazing:
  1. Monolithic Non-impact; 1/4"
  2. Monolithic Impact; 9/16"
  3. Insulating Non-impact; 1"
  4. Insulating Impact; 1-5/16"
- Thermally improved to reduce heating and cooling costs
- Open back members for ease of fabrication and installation
- YHC 300 OG with 1-5/16" glass has been fully tested in compliance with ASTM F-1642 for wet and dry glaze options

# Product Selection Guide

## YKK AP Standard Curtain Wall Systems

System	Frame Depth(s)	Frame Width	Thermal Break	Air Infiltration	Water Infiltration	U Value	CRF
 YCW 700	7"	2-1/4"	Isolator Clip	0.01	12	0.49	66
 YCW 750 OG	6", 7-1/2"	2-1/2"	Thermal Isolator	0.02	20	0.51	69
 YCW 750 SSG	6", 7-1/2"	2-1/2"	Thermal Isolator	0.01	20	0.51	69
 YCW 750 IG	6", 7-1/2"	2-1/2"	Isolator Clip/Gasket	0.01	20	0.55	63
 YCW 750 SplineTech™	6", 7-1/2"	2-1/2"	Isolator Clip/Gasket	0.02	15	0.45	67
 YCW 752	4-7/8", 7-3/8"	2"	Thermal Isolator	0.03	8	—	—
 YCW 250	5-1/2", Various	2-1/2"	Isolator Clip	0.04	12	0.44	61
 YCW 250 SSG	6", 8", Various	2-1/2"	Isolator Clip	0.03	15	—	—
 YSK 750	5-3/4", 7-3/16"	2-1/2"	Thermal Isolator	0.03	18 (Static) 15 (Dynamic)	—	—

## YKK AP ProTek® Impact Resistant & Blast Mitigation Curtain Wall Systems

System	Frame Depth(s)	Frame Width	Thermal Break	Air Infiltration	Water Infiltration	U Value	CRF
 YHC 300 OG	7-1/16", 7-3/4"	3"	Isolator Gasket	0.01	20	0.44	71
 YHC 300 SSG	7-1/16", 7-3/4"	3"	Isolator Gasket	0.01	20	0.44	71
 YHC 300 IG	7-1/16", 7-13/16"	3"	Isolator Gasket	0.01	20	0.49	63
 35H Door	3-7/8"	2-3/8"	—	0.065	10	—	—

Air Infiltration is measured in CFM/FT<sup>2</sup>, based on ASTM E 283 @ 6.24 PSF. Water Infiltration is measured in PSF, based on ASTM E 331. U Value is measured in BTU/HR/FT<sup>2</sup>/°F, based on NFRC 100 and CRF is Condensation Resistance Factor, based on ASTM C 236 and AAMA 1503. Test performance listed above are based on results from laboratory testing. Field tests are to be conducted in accordance with AAMA 502.



For other YKK AP products see Sweets Catalog 08 41 00/YKK Entrances & Storefronts and 08 51 00/YKK Aluminum Windows. 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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