

# YKK aP<sup>®</sup>

www.ykkap.com

**ProTek**  
YKK AP Hurricane & Blast Solutions



Hyatt House Hotel - Naples, FL

## YFW 400 TUH

Impact & Blast Resistant,  
Thermally Broken Fixed Window

The **YFW 400 TUH** thermally broken fixed windows are fully tested in accordance with AAMA standards achieving an AW rating. This window design can be easily integrated into smaller storefront and window wall punched opening applications with simple installation. The YFW 400 TUH meets the many design challenges required in remodeling, retrofitting, and new construction projects.

- Integrates easily with YSW 400 T Horizontal Sliding Window, YVS 410 TU/TUH Hung Windows using the same stacking mullions.
- Thermal Performance contributes to LEED<sup>®</sup> designs by optimizing energy performance and day-lighting to the outdoor environment.
- Thermally broken using ThermaBond Plus<sup>®</sup>
- 2" sightline helps reach impact-resistance and blast mitigation
- Vertical Stacking Mullions
- Head/Jamb Receptors, Box Trim, Sill Flashing, Panning, and Multiple Anchor Options
- AW Performance Grade 60

### Thermal Values:

<b>U-Factor:</b>	Values as low as <b>0.34*</b>
<b>CRF:</b>	Minimum <b>67</b> frame and <b>71</b> glass

\*Based on AAMA 507. Lower values may be achieved through further simulation.

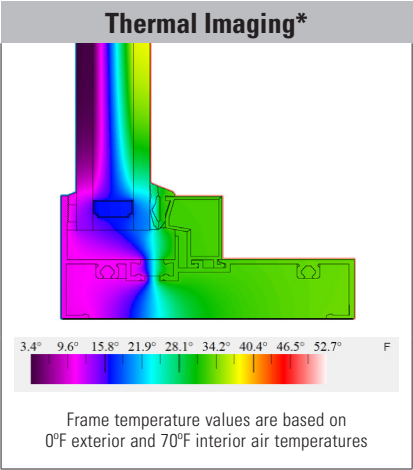


YFW 400 TUH SPECS		
Base Depth	4"	
Sightline	1-13/16"	
Config	Factory Glazed / Fixed	
Tested Glass*	1" IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
Air Infiltration	0.10 CFM/FT <sup>2</sup> (1.85 m <sup>3</sup> /h-m <sup>2</sup> ) @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	Static: 15 PSF (718 Pa)	ASTM E 331 AAMA 501
Acoustical* (1" IGU)	Laminated STC: 38 Laminated OITC: 30	ASTM E 90 ASTM E 1425

Thermal Performance*								
Window Config	U-Factor - BTU/hr-ft <sup>2</sup> ·°F						CRF	
1-13/16" x 4"	0.42	0.41	0.39	0.37	0.36	0.34	67	71
Center of Glass	0.30	0.28	0.26	0.24	0.22	0.20	Frame	Glass
AAMA 507							AAMA 1503	

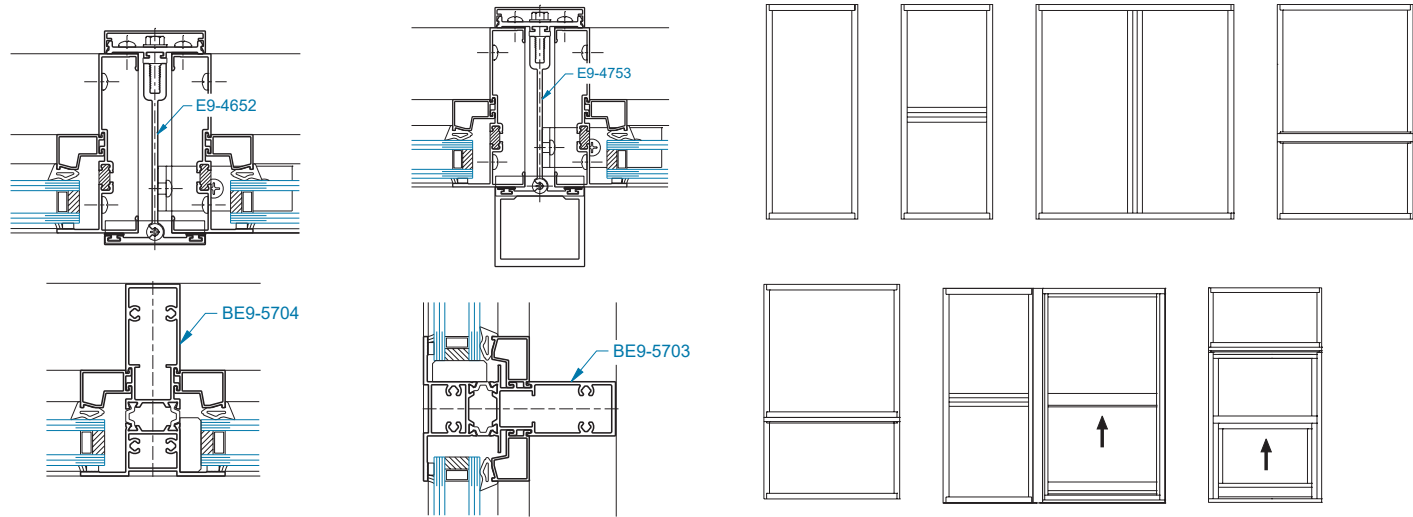
Finish Options	
Type	Standard
Factory Anodized	AAMA 612
Organic Paints	AAMA 2604 AAMA 2605

Impact/Blast Performance	
Large/Small Missile	HVHZ
ICC Compliant	ASTM E 1886/1996
TAS 201, 202 & 203	AW Performance Grade 60
Blast Mitigation; "Minimal Hazard" per ASTM F 1642 Test @ 6psi / 41 psi-ms	

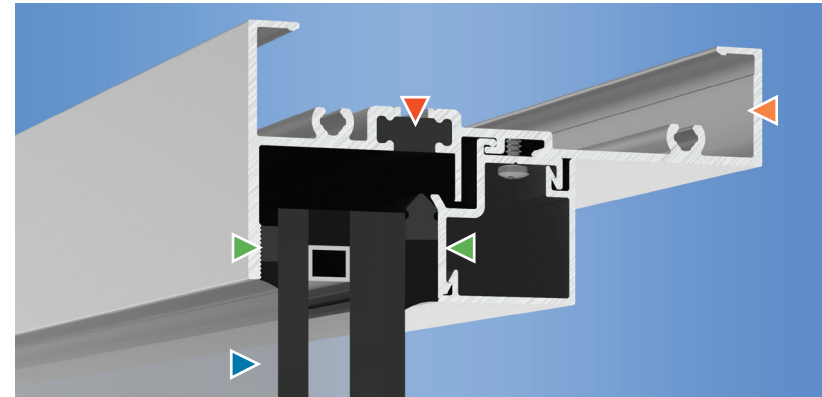


\*Testing is based on the YFW 400 TU, non-impact version. Results should be similar.

## Mullion Configurations



## A Closer Look at the System



### YFW 400 TUH Design Features

- Equal Legs on Frame for Easy Installation in New Construction or Renovations
- Interlocking Mechanically Fastened Aluminum Bead on the Exterior and support gasket for the Interior
- ThermaBond Plus® Thermal Break for Superior Thermal Performance
- Impact Glazing – Wet Glazed at our factory with Insulating Glass Unit Panels (IGU).

Additional information including CAD details, CSI specs, test reports and installation instructions are found on the Product Guide by clicking this link or visiting [www.ykkap.com/commercial/productguide](http://www.ykkap.com/commercial/productguide)