

# YKK ap

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1701 Rhode Island Avenue - Washington D.C.

## YCW 750 SSG

### Field/Stick Built

### 2 and 4-Sided Structural Silicone Glazed Curtain Wall System

The popular YCW 750 family of products has been expanded to include 4-side structural silicone glazing. This stick built system setup is designed for glazing in the field for easy installation. A variety of mullion depths are available as options to meet different performance requirements. 1" & 1/4" glazing (with adaptor) is available for 2-sided while 1" glazing for 4-sided as a system standard.\*

\*Other custom glazing/framing solutions may be available. Designs must be reviewed by YKK AP engineering for size and weight based on the project.

- 4-Sided captured (YCW 750 OG/IG) integration options with SSG
- Accommodates splayed wall designs
- 90° inside and outside corners
- Sealant is used by default and 3M® VHB® Structural Glazing Tape is an alternative

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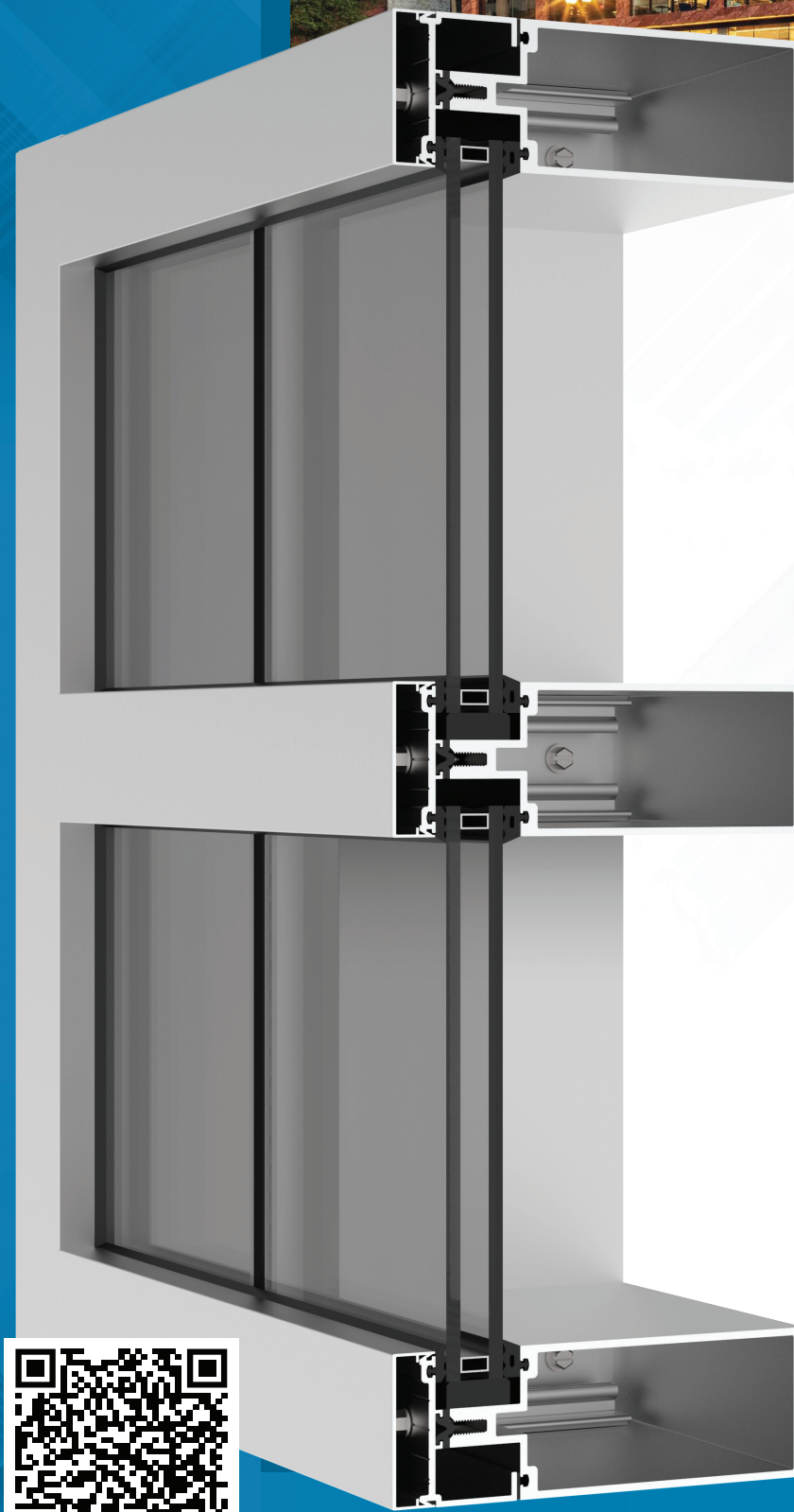
#### Configuration:

Glazing	Glass Setting	Installation
SSG	Front Set	Shear Block

#### Thermal Values:

<b>U-Factor:</b>	Values as low as <b>0.30*</b>
<b>CRF:</b>	Minimum <b>74</b> frame and <b>68</b> glass

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

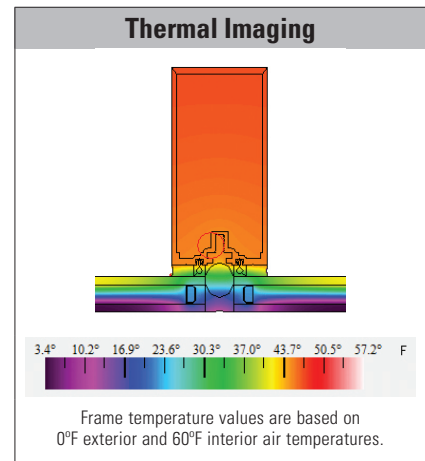


YCW 750 SSG FIELD SPECS		
Base Depth	7-1/2"	
Sightline	2-1/2"	
Config	Structural Silicone Glazed / Front Set	
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
Air Infiltration	0.06 CFM/FT <sup>2</sup> (1.10 m <sup>3</sup> /h·m <sup>2</sup> ) @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	(2-Sided) Static: 20 PSF (958 Pa)	ASTM E 331 AAMA 501
	(4-Sided) Static: 20 PSF (958 Pa)	
Acoustical (1" IGU)	(4-Sided) Std STC: 33 Std OITC: 27	ASTM E 90 ASTM E 1425
	(2-Sided) Lam STC: 35 Lam OITC: 29	
	(4-Sided) Lam STC: 36 Lam OITC: 31	

Thermal Performance								
Mullion Depth	U-Factor - BTU/hr·ft <sup>2</sup> ·°F						CRF	
2-Sided Field	0.40	0.39	0.37	0.35	0.34	0.32	74	68
4-Sided Field	0.38	0.37	0.35	0.33	0.31	0.30	76	69
<b>Center of Glass</b>	<b>0.30</b>	<b>0.28</b>	<b>0.26</b>	<b>0.24</b>	<b>0.22</b>	<b>0.20</b>	<b>Frame</b>	<b>Glass</b>
AAMA 507							AAMA 1503	

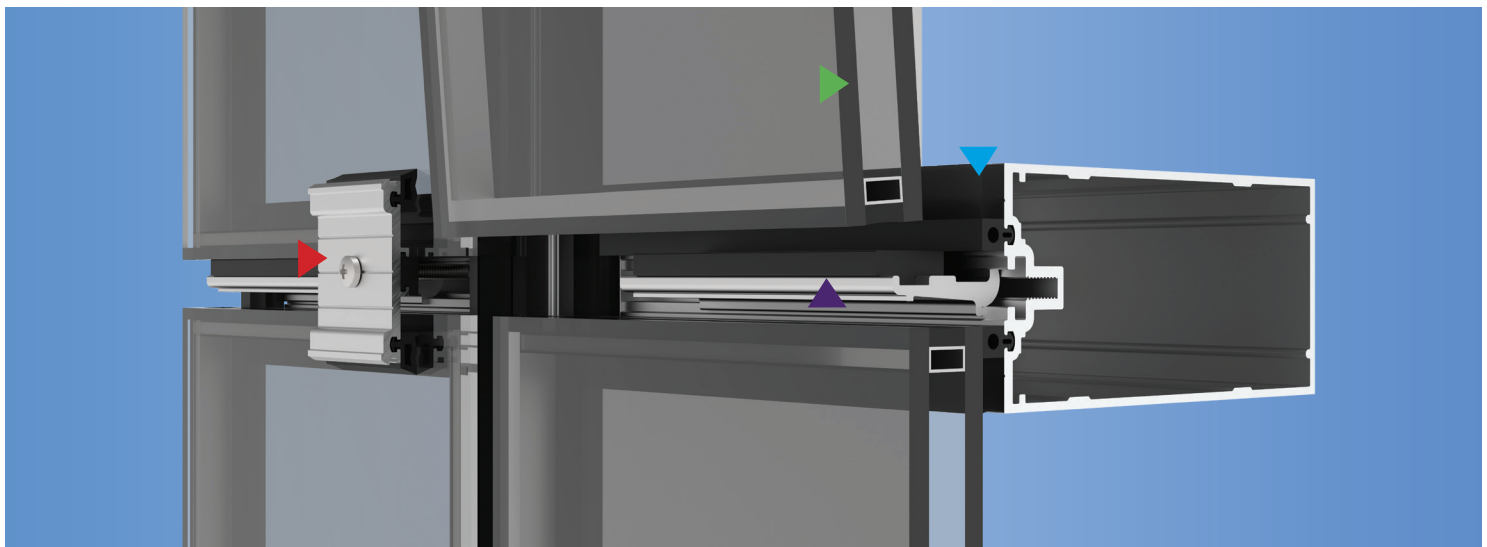
Finish Options	
Type	Standard
Factory Anodized (2-Sided only)	AAMA 612
Organic Paints	AAMA 2604 AAMA 2605

Mullion Depth Options	
2-Sided 1/4" Glass	2-Sided 1" Glass
5-1/4" and 6-3/4"	6" and 7-1/2"
4-Sided 1" Glass	
5-1/16", 6-9/16", 8-1/16" and 9-9/16"	



## A Closer Look at the Field/Stick Build

For the Field Glazed option, the glazing is set right against the horizontal mullion using silicone and secured by temporary glass retainers before the final sealing. This differs from the Shop Glazed option, which glass panels are pre-glazed inside cassette frames and then inserted into the integral on the horizontal mullion, while being secured with permanent toggles.



### FIELD GLAZED

1" glazing panel that attaches to the silicone on mullions

### TEMPORARY GLASS RETAINER

For securing panels in place until the exterior silicone is applied

### SETTING BLOCK/CHAIR

Designed to integrate in mullion cavity and hold glass weight

### SILICONE/GASKET SEAL

Applied to the mullions before the glass unit is set in place

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)