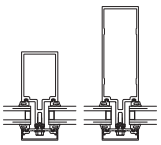
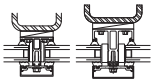
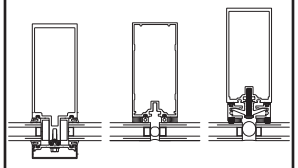
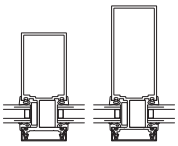
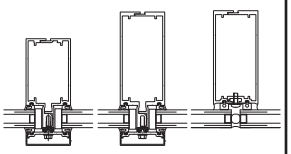
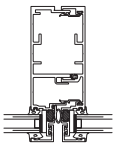
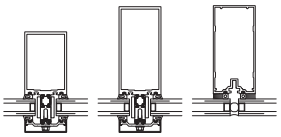
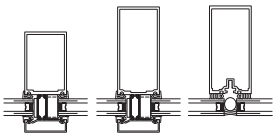
Curtain Wall Selection Guide

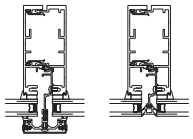
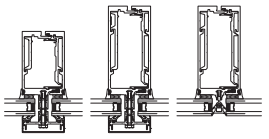
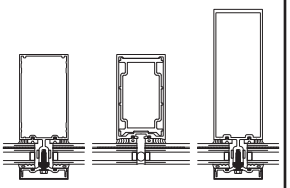
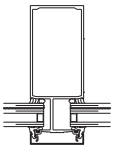
Product w/ Description	**YCW 752** A thermally improved, pressure glazed wall system that offers a sight line of a mere 2" wide.	**YCW Veneer Wall** A low to mid-rise gutter system designed to be anchored to the steel structure of a building.	**YCW 750** A thermally improved, pressure glazed wall system designed for single or multi-span applications.	**YCW 750 IG** A curtain wall system that utilizes a thermal clip system for pressure plate installation.
Typical Vertical Detail				
Sight line	2"	2", 2-1/2"	2-1/2"	2-1/2"
System Depth	4-7/8", 7-3/8", 6-5/8" (1/4" GL)	1-7/8" & 2-3/8" for 2" Face 3" for 2-1/2" Face	5-1/4", 6", 6-3/4", 7-1/2", 9"	5-1/4", 6", 6-3/4", 7-1/2"
Applications	Single-Span, Multi-Span, Punched Openings	Veneer Wall	Single-Span, Multi-Span, Punched Openings	Single-Span, Multi-Span, Punched Openings
Glazing Options	Outside Glazed	Outside Glazed	Outside Glazed, Field & Shop Glaze Option for 4-sided SSG	Inside Glazed
Infill Options	1/4" & 1"	1/4" & 1"	1/4" & 1"	1/4" & 1"
Thermal System / Performance	Thermally Improved / CRF_f: 68 U-value: 0.47 btu/hr/ft^2/°F	Thermally Improved	Thermally Improved / CRF_f: 66 U-value: 0.46 btu/hr/ft^2/°F	Thermally Improved / CRF_f: 61 U-value: 0.49 btu/hr/ft^2/°F
Acoustical Rating	-	-	STC: 31 (1" ann), 34 (1" lami) OITC: 26 (1" ann), 28 (1" lami)	STC: 34 (1" lami) OITC: 29 (1" lami)
Polyamide Pressure Plate	Optional	No	Optional	No
SSG Options	No	No	2-Sided, 4-Sided	2-Sided
Entrance Integration	Yes	No	Yes	Yes
SSG Vent Integration	No	No	Yes	Yes
ThermaShade® Integration	No	No	Yes	No
Assembly Method	Stick Built Shear Block	Stick Built	Stick Built Shear Block	Stick Built Shear Block
Hurricane Impact Tested	-	-	-	-
Blast Mitigation	-	-	Low Hazard @ 6 psi / 41 psi-ms	-
Seismic Drift	Passed @ 2.43" disp (3 cycles)	-	No glass fallout @ 6.0" drift Passed @ ±1.44" interstory drift	Passed at 1.5 X design displacement
Performance Test Standards	ASTM E 283, E 330, E 331 AAMA 501.1, 501.4, 501.5, 507, 1503 NFRC 100, 102:	-	ASTM E283, E330, E331, F1642 AAMA 501.1, 501.4, 501.5, 501.6, 507, 1503, 1801 NFRC 100, 102	ASTM E90, E283, E330, E331 AAMA 501.1, 501.4, 1503 NFRC 100, 102

See General Notes at end of document.

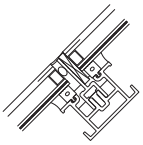
Product w/ Description	**YCW 750 SplineTech®** A thermally improved pressure glazed wall system that offers screw spline assembly that reduces fabrication and field labor.	**YCU 750 TU** (Project Center Only) EnerGfacade A thermally broken, dry glazed, unitized curtain wall system designed for maximum design flexibility.	**YCW 750 XT** EnerGfacade A thermally broken, pressure glazed curtain wall system in which thermal performance exceeds the most stringent building codes and standards in the market today.	**YCW 750 XTIG** EnerGfacade An inside glazed curtain wall system that utilizes a thermal clip system for pressure plate installation
Typical Vertical Detail				
Sight line	2”	3”	2-1/2”	2-1/2”
System Depth	5-1/4”, 6”, 6-3/4”, 7-1/2”	7-1/2”	1” GL: 6”, 7-1/2”, 9”, 1-1/2” GL: 6-1/2”, 8”, 9-1/2” 1-3/4” GL: 6-3/4”, 8-1/4”, 9-3/4” 2” GL: 7”, 8-1/2”, 10”	6”, 7-1/2”
Applications	Single-Span, Multi-Span, Punched Openings	Single-Span, Multi-Span	Single-Span, Multi-Span, Punched Openings	Single-Span, Multi-Span, Punched Openings
Glazing Options	Outside Glazed Shop Glazed (Captured Only)	Shop Glazed	Outside Glazed	Inside Glazed
Infill Options	1/4” & 1”	1/4” & 1”	1”, 1-1/2”, 1-3/4”, 2”	1/4” & 1”
Thermal System / Performance	Thermally Improved / CRF_f: 67 U-value: 0.45 btu/hr/ft²/°F	Thermally Broken / CRF_f: 71 U-value: 0.48 btu/hr/ft²/°F	Thermally Broken / Changes with Glass Thickness CRF_f: 78 U-value: 0.40 btu/hr/ft²/°F or less	Thermally Broken / CRF_f: 78 U-value: 0.33 btu/hr/ft²/°F
Acoustical Rating	-	STC: 33 (1” temp), 37 (1” lami) OITC: 27 (1” temp), 30 (1” lami)	STC: 32 (1” HS), 35 (1” lami) OITC: 27 (1” HS), 30 (1” lami)	STC: 31 (1” HS), 36 (1 lami) OITC: 25 (1” HS), 29 (1 lami)
Polyamide Pressure Plate	No	No	Optional	No
SSG Options	2-Sided	No	2-Sided	2-Sided
Entrance Integration	Yes	No	Yes	Yes
SSG Vent Integration	No	No	Yes	Yes
ThermaShade® Integration	No	No	Yes	No
Assembly Method	Stick Built Screw Spline	Unitized	Stick Built Shear Block	Stick Built Shear Block
Hurricane Impact Tested	-	-	-	-
Blast Mitigation	-	-	-	-
Seismic Drift	Passed at 1.5 X design displacement	Passed at 1.5 X design displacement	Passed @ 2.43” displacement (3 cycles)	Passed @ 2.43” displacement (3 cycles)
Performance Test Standards	ASTM E 283, E 330, E 331 AAMA 501.1, 501.4, 1503 NFRC 102	ASTM E283, E330, E331, E1425 AAMA 501.1, 501.4, 507, 1503 NRFC 102	ASTM E283, E330, E331 AAMA 501.1, 501.4, 501.5, 507, 1503, 1801 TAS 202 NFRC 100, 102	ASTM E283, E330, E331 AAMA 501.1, 501.4, 501.5, 507, 1503, 1801 NFRC 100, 102

See General Notes at end of document.

Curtain Wall Selection Guide

Product w/ Description	YUW 750 TU (Project Center Only) A unique and versatile unitized wall system designed to curb a building's energy appetite and protect against interior moisture.	YUW 750 XT/XTH (Project Center Only) enerGfacade ProTek A unique and versatile unitized wall system designed to curb a building's energy appetite and protect against interior moisture.	YHC 300 OG ProTek A high performance, thermally improved, outside glazed, curtain wall system designed for impact and blast protection and design pressures from 45 psf to 130 psf.	YHC 300 IG ProTek A thermally improved, inside glazed, curtain wall system designed and tested to meet the most demanding conditions.
Typical Vertical Detail				
Sight line	2-1/2"	2-1/2"	3"	3"
System Depth	7-1/2"	6", 7-1/2"	5-21/32", 6-15/16", 7-11/16", 9-3/4", 10-1/2"	7-1/16", 7-13/16"
Applications	Single-Span, Multi-Span	Single-Span, Multi-Span	Single-Span, Multi-Span, Punched Openings	Single-Span, Multi-Span, Punched Openings
Glazing Options	Outside Glazed Shop Glazed	Outside Glazed Shop Glazed	Outside Glazed Shop Glazed (4-sided SSG)	Inside Glazed
Infill Options	1/4" & 1"	1/4" & 1"	9/16", 1-5/16"	9/16", 1-5/16"
Thermal System / Performance	Thermally Broken / CRF_f: 73 Capt, 72 SSG U-value: 0.41 btu/hr/ft²/°F or less	Thermally Broken / CRF_f: 74 U-value: 0.41 btu/hr/ft²/°F or less	Thermally Improved / CRF_f: 72 U-value: 0.43 btu/hr/ft²/°F	Thermally Improved / CRF_f: 63 U-value: 0.49 btu/hr/ft²/°F
Acoustical Rating	STC: 32 (1" ann), 36 (1 lami) OITC: 27 (1" ann), 30 (1 lami)	STC: 32 (1" ann), 37 (1 lami) OITC: 27 (1" ann), 30 (1 lami)	STC: 37 ($1^1/_4$" lami) OITC: 32 ($1^1/_4$" lami)	-
Polyamide Pressure Plate	No	No	No	No
SSG Options	2-Sided, 4-Sided	2-Sided, 4-Sided	2-Sided, 4-sided	No
Entrance Integration	No	No	Yes	Yes
SSG Vent Integration	Yes	Yes	Yes	Yes
ThermaShade® Integration	Yes	Yes	Yes	No
Assembly Method	Unitized	Unitized	Stick Built Shear Block	Stick Built Shear Block
Hurricane Impact Tested	-	Large Missle up to 80 psf Small Missile up to 80 psf	Missile Level E Large Missle up to 130 psf Small Missile up to 130 psf	Large Missle up to 120 psf Small Missile up to 120 psf
Blast Mitigation	-	Meets UFC 4-010-01 prescriptive standard (2013)	Low Hazard @ 6 psi / 41 psi-ms	Low Hazard @ 6 psi / 41 psi-ms
Seismic Drift	Passed at 1.5 X design displacement	Passed at 1.5 X design displacement	Passed @ 1.5" displacement	-
Performance Test Standards	ASTM E283, E330, E331, E1425 AAMA 501.1, 501.4, 1503 NFRC 102	ASTM E283, E330, E331, E1186, E1996 AAMA 501.1, 501.4, 501.5, 501.7, 507, 1503, 1801 TAS 201, 202, 203 NFRC 100, 102	ASTM E283, E330, E331, E1186, E1996, E1425, F1642 AAMA 501.1, 501.4, 507, 1503 TAS 201, 202, 203 NFRC 100, 102	ASTM E283, E330, E331, E1186, E1996 AAMA 507, 1503 TAS 201, 202, 203 NFRC 100, 102

See General Notes at end of document.

Product w/ Description	**YSK 750** A complete slope glazed framing system designed for walls with long rafters and can be used with YCW 750.			
Typical Detail				
Sight line	2-1/2”			
System Depth	5-3/4”, 7-3/16			
Applications	Sloped Glazing, Skylights			
Glazing Options	Outside Glazed			
Infill Options	1”, 5/16”			
Thermal System / Performance	No			
Acoustical Rating	-			
Polyamide Pressure Plate	No			
SSG Options	Purlin Only			
Entrance Integration	No			
SSG Vent Integration	No			
ThermaShade® Integration	No			
Assembly Method	Stick Built Shear Block			
Hurricane Impact Tested	-			
Blast Mitigation	-			
Seismic Drift	-			
Performance Test Standards	ASTM E283, E330, E331 AAMA 501.1			

See General Notes at end of document.

GENERAL NOTES

Glass and glazing building codes governing the design and use of products vary widely. YKK AP America Inc. does not control the selection of products, product configurations, operating hardware and function, or glazing materials, and YKK AP assumes no responsibility for these design considerations. It is the responsibility of the design professional, owner, architect, specifier, general contractor, and the installer to make these selections in strict accordance with all applicable codes.

Visit www.ykkap.com for more information on YKK AP's architectural products and for any updates on the Product Selection Guide.