

Product w/ Description	YWE 40T A 2" x 4" thermally improved, front loaded window wall system glazed from the interior to reduce labor costs.	YWE 60T A 2-1/4" x 6" thermally improved, front loaded window wall system glazed from the interior to reduce labor costs.	YWW 40T A 2-1/4" x 4" thermally broken, front loaded window wall system for multi-storey buildings.	YWW 45T A 2-1/4" x 4-1/2" thermally broken, front loaded window wall system for multi-storey buildings.
Typical Vertical Detail				
Applications	Storefront Ribbon Windows Punched Openings	Storefront Ribbon Windows Punched Openings	Storefront Ribbon Windows Punched Openings	Storefront Ribbon Windows
Glazing Options	Inside Glazed	Inside Glazed	Inside Glazed Outside Glazed	Inside Glazed Outside Glazed
Infill Options	1/4" & 1"	1/4" & 1"	1/4" & 1"	1/4" & 1"
Slab Edge Cover	No	No	No	No
Thermal System / Performance	Thermally Improved / CRF: 59 U-value: 0.45 btu/hr/ft <sup>2</sup> /°F	Thermally Improved / CRF: 64 U-value: 0.47 btu/hr/ft <sup>2</sup> /°F	Thermally Broken / CRF: 73 U-value: 0.46 btu/hr/ft <sup>2</sup> /°F	Thermally Broken / CRF: 69 U-value: 0.40 btu/hr/ft <sup>2</sup> /°F
Acoustical Rating	-	STC: 31 (1" ann), 34 (1" lami) OITC: 26 (1" ann), 28 (1" lami)	STC: 35 OITC: 29	STC: 33 (1" ann), 35 (1" lami) OITC: 26 (1" ann), 29 (1" lami)
SSG	Optional	Optional	No	Optional
2-Color Option	Yes	Yes	No	Yes
Entrance Integration	No	Yes	No	Yes
SSG Vent Integration	Yes	No	Yes	No
ThermaShade® Integration	No	No	No	No
Assembly Method	Screw Spline, Shear Block	Screw Spline, Shear Block	Screw Spline, Shear Block	Screw Spline, Shear Block, Vertical Run-Thru Continuous Head and Sill
Hurricane Impact Tested	-	-	-	-
Blast Mitigation	-	-	-	-
Seismic Drift	-	-	-	-
Air/Water/Structural Performance Test Standards	ASTM E 283, E 330, E 331 AAMA-NWWDA 101/I.S.2-97 AAMA 1503 NFRC 100	ASTM E 283, E 330, E 331 AAMA 1503, 1801 NFRC 100	ASTM E 283, E 330, E 331 AAMA 1503, 1801 NFRC 102	ASTM E283, E 330, E 331 AAMA 507, 1503, 1801 NFRC 102

See General Notes at end of document.

Product w/ Description	<b>YWW 50T</b> A 2-1/4" x 5" thermally broken, front loaded window wall system for multi-storey buildings. Slab edge covers are available.	<b>YWW 45 FS</b> A 1-3/4" x 4-1/2" front set window wall system for multi-storey buildings.	<b>YWW 45 FI</b> A 2-1/4" x 4-1/2" front set window wall system for multi-storey buildings.	<b>YWW 45 TU</b> A 2-1/4" x 4-1/2" thermally broken, front set window wall system for multi-storey buildings.
Typical Vertical Detail				
Applications	Storefront Ribbon Windows	Storefront Ribbon Windows Punched Openings	Storefront Ribbon Windows Punched Openings	Storefront Ribbon Windows
Glazing Options	Inside Glazed	Inside Glazed	Inside Glazed Outside Glazed	Inside Glazed Outside Glazed
Infill Options	1/4" & 1"	1/4"	1/4" & 1"	1/4" & 1"
Slab Edge Cover	Optional	No	No	No
Thermal System / Performance	Thermally Broken / CRF <sub>e</sub> : 70 U-value: 0.41 btu/hr/ft <sup>2</sup> /°F	No	No	Thermally Broken / CRF <sub>e</sub> : 69 U-value: 0.39 btu/hr/ft <sup>2</sup> /°F
Acoustical Rating	STC: 33 (1" ann), 36 (1" lami) OITC: 27 (1" ann), 30 (1" lami)	-	STC: 35 OITC: 29	STC: 31 (1" ann), 35 (1" lami) OITC: 25 (1" ann), 29 (1" lami)
SSG	Optional	Optional	Optional	Optional
2-Color Option	Yes	Yes	No	No
Entrance Integration	Yes	Yes	Yes	Yes
SSG Vent Integration	Yes	No	Yes	No
ThermaShade® Integration	No	No	No	No
Assembly Method	Screw Spline, Shear Block, Vertical Run-Thru Continuous Head and Sill	Screw Spline, Shear Block, Vertical Run-Thru Continuous Head and Sill	Screw Spline, Shear Block, Vertical Run-Thru Continuous Head and Sill	Screw Spline, Shear Block, Vertical Run-Thru Continuous Head and Sill
Hurricane Impact Tested	-	-	-	-
Blast Mitigation	-	-	-	-
Seismic Drift	Passed @ 1.62" horizontal displacement (3 cycles)	-	-	Passed @ 1.62" horizontal displacement (3 cycles)
Air/Water/Structural Performance Test Standards	ASTM E283, E330, E331 AAMA 501, 501.4, 507, 1503	ASTM E283, E330, E331 AAMA 101/I.S.2-97	ASTM E 283, E 330, E 331 AAMA 1801	ASTM E 283, E 330, E 331 AAMA 507, 1503, 1801 NFRC 100

See General Notes at end of document.

Product w/ Description	<b>YWW 50 TU</b> <b>YWW 60 TU</b> A 2-1/2" wide pre-glazed, thermally broken, front set window wall system for multi-storey buildings.	<b>YHW 60 TU</b> <b>ProTek</b> A 2-1/2" x 6" impact rated, pre-glazed, thermally broken, front set window wall system for multi-storey buildings.	<b>YWW 60 XT</b> <b>enerGfacade</b> A 2-1/2" wide pre-glazed, high thermal performance, front set window wall system for multi-storey buildings.	
Typical Vertical Detail				
Applications	Storefront Ribbon Windows	Storefront Ribbon Windows Punched Openings	Storefront Ribbon Windows Punched Openings	
Glazing Options	Preglazed Captured, Preglazed SSG, Field Glazed	Inside Glazed	Preglazed Captured, Preglazed SSG, Field Glazed	
Infill Options	1/4" & 1"	1-1/4" & 1-5/16"	1" & 1-5/16"	
Slab Edge Cover	Yes	Yes	Yes	
Thermal System / Performance	Thermally Broken / CRF <sub>f</sub> : 49 U-value: 0.41 btu/hr/ft <sup>2</sup> /°F	Thermally Broken / CRF <sub>f</sub> : 59 U-value: 0.42 btu/hr/ft <sup>2</sup> /°F	Thermally Broken / CRF <sub>f</sub> : 74 U-value: 0.36 btu/hr/ft <sup>2</sup> /°F	
Acoustical Rating	STC: 32 (1" hs), 35 (1" lami) OITC: 26 (1" hs), 29 (1" lami)	STC: 36 OITC: 30	STC: 32 (1" ann), 37 (1 <sup>5</sup> / <sub>16</sub> " lami) OITC: 25 (1" ann), 32 (1 <sup>5</sup> / <sub>16</sub> " lami)	
SSG	Optional	No	Optional	
2-Color Option	No	No	Yes	
Entrance Integration	Yes	Yes	Yes	
SSG Vent Integration	Yes	No	Yes	
ThermaShade® Integration	No	No	No	
Assembly Method	Screw Spline, Pre-Glazed or Field Glazed	Screw Spline, Pre-Glazed or Field Glazed	Screw Spline, Pre-Glazed or Field Glazed	
Hurricane Impact Tested	-	Small Missile Large Missile	-	
Blast Mitigation	-	-	-	
Seismic Drift	-	-	-	
Air/Water/Structural Performance Test Standards	ASTM E 283, E 331 AAMA 507, 1503, 1801 NFRC 102	ASTM E90, E330, E1425, E1886 / 1996 TAS 201, 202, 203 AAMA 1503 NFRC102	ASTM E 283, E 330, E 331 AAMA 1801	

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.

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