

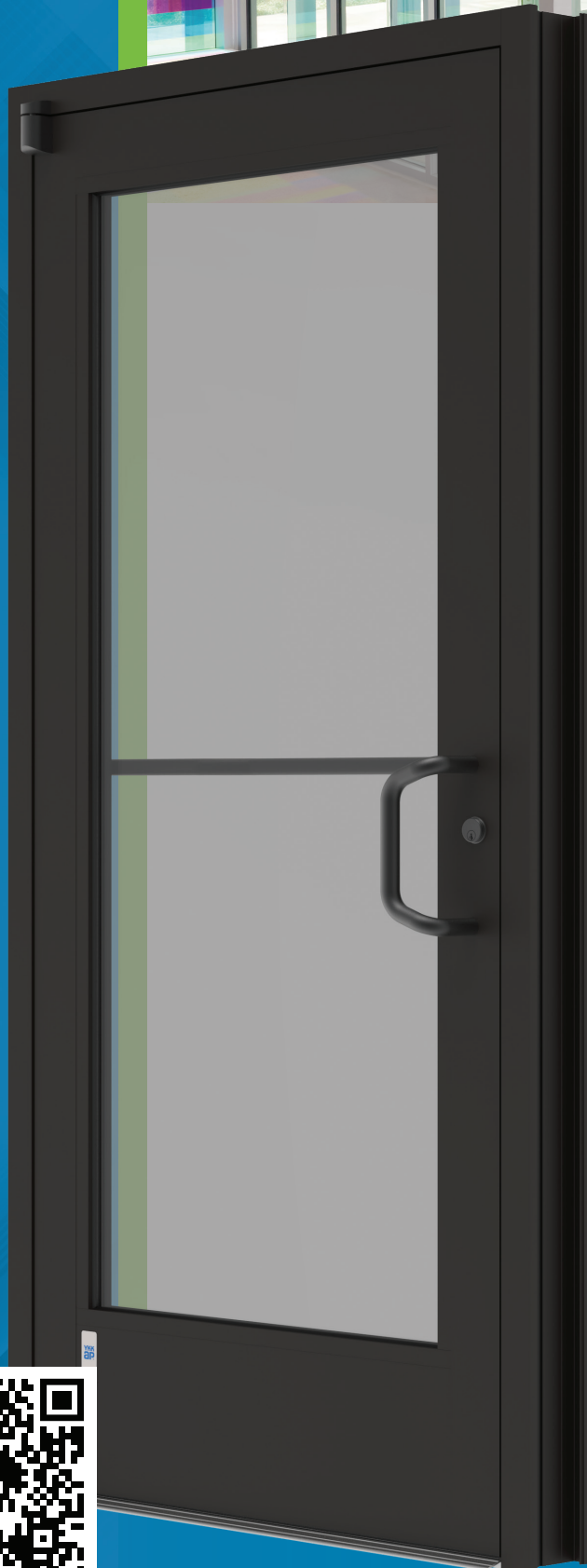
# YKK AP

www.ykkap.com



## enerGfacade

YKK AP Energy Saving Solutions



GA Tech Price Gilbert Memorial Library - Atlanta, GA

## 25T/35T/50T

### Narrow, Medium and Wide Stile, Thermally Broken Entrance Systems

Our thermally broken entrance systems offer an abundance of design options. MegaTherm® 6/6 nylon polyamide glass fiber reinforced bars are inside the doors for improved thermal performance over our standard doors. They fit seamlessly within our storefront suite of products, making them a versatile option for clients interested in LEED® certification. Custom entrances are available with options glazing, midrails, and will accommodate most non-standard hardware.

**LEED is a registered trademark of the U.S. Green Building Council**

- 2-1/2" Narrow, 3-1/2" Medium & 5" Wide Stiles
- Single and Paired door options
- 2" door leaf thickness
- Thermally broken with our MegaTherm® 6/6 nylon polyamide glass fiber reinforced bars
- 10" bottom rail and varied midrail sizes
- Corners are mechanically joined and welded
- Various glazing options available including: 1", 1-1/4", 1-5/16" and 1-3/8"\*

\* Contact our YKK AP engineering center, as an evaluation is required for glass thicker than 1"

#### Configuration:

Glazing	Glass Setting	Installation
Outside	Center Set	Single or Pair

#### Thermal Values:

25T 35T 50T

<b>U-Factor:</b>	Values as low as <b>0.43/0.45/0.48**</b>
<b>CRF:</b>	Minimum <b>59</b> frame and <b>67</b> glass

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

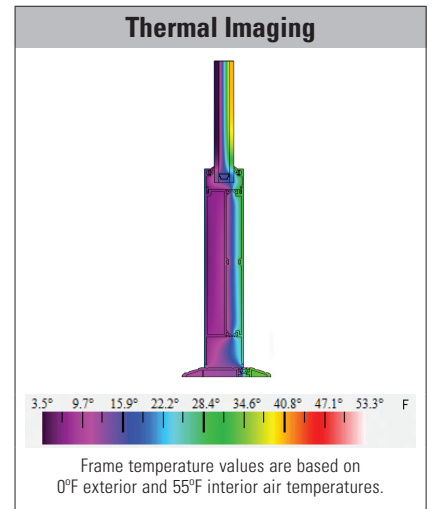


25T/35T/50T SPECS		
<b>System Stiles</b>	2-1/2" - Narrow, 3-1/2" - Medium, and 5" - Wide	
<b>Config</b>	Outside Glazed / Center Set	
<b>Tested Glass</b>	1" IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
<b>Air Infiltration</b>	<b>Single:</b> 0.50 CFM/FT <sup>2</sup> (1.10 m <sup>3</sup> /h·m <sup>2</sup> ) <b>Pair:</b> 1.00 CFM/FT <sup>2</sup> (1.10 m <sup>3</sup> /h·m <sup>2</sup> ) @ 6.24 PSF (299 Pa)	ASTM E 283
<b>Structural Uniform Load</b>	<b>25T Door</b> <b>Single:</b> 35 PSF <b>Pair:</b> 35 PSF <b>35T Door</b> <b>Single:</b> 50 PSF <b>Pair:</b> 40 PSF <b>50T Door</b> <b>Single:</b> 50 PSF <b>Pair:</b> 40 PSF	ASTM E 330
<b>Structural Performance</b>	<b>Standard:</b> <b>Singles:</b> 3' x 7' <b>Pairs:</b> 6' x 7' Offset Pivot, Butt/ Continuous Hinge, MS Lock, Rim and CVR Exit Device	
	<b>Custom:</b> <b>Singles:</b> 4' x 8' <b>Pairs:</b> 8' x 8' Standard and Custom Hardware	

Thermal Performance								
Entrance	U-Factor - BTU/hr·ft <sup>2</sup> ·°F						CRF	
25T Narrow Stile	0.53	0.52	0.51	0.50	0.49	0.48	59	67
35T Medium Stile	0.55	0.54	0.53	0.52	0.51	0.50	59	68
50T Wide Stile	0.56	0.56	0.55	0.54	0.53	0.52	61	67
<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>
NFRC 100							AAMA 1503	

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

Midrail Sizes
1-1/4", 3", 3-15/16", 4-31/32", 6-1/2", 8" and 10"
Glass Sizes
15/16", 1", 1-1/16", 1-1/8", 1-3/16", 1-1/4", 1-5/16 and 1-3/8"
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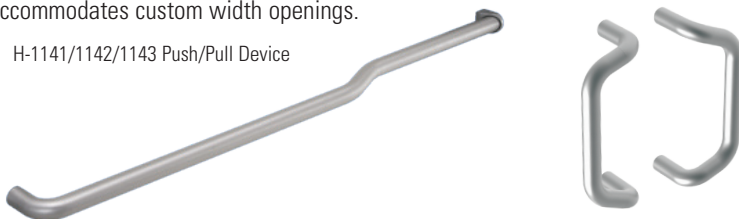


## Standard Entrance Hardware

### Smart Series Push/Pull Devices

The one inch diameter push/pull provides flexibility and occupant safety. The pull handle is open to permit access to the lock cylinder, but is slightly angled to provide a uniquely modern look. The push bar starts at the locking stile, but then has an ergonomic "S-Bend" toward the locking stile to bring the bar closer to the door where it is captured by an end cap. This innovative push bar also accommodates custom width openings.

H-1141/1142/1143 Push/Pull Device



H-1341/1541/1542 Pull Handles

### Exit/Panic Devices

The modern and economical standard touch bar exit devices are ideally suited for all applications that require emergency egress. The devices are ANSI Grade 1, carry the UL label and are approved for Life Safety. Both the rim and concealed devices feature single point dogging and are available with electric actuation.

P-54453 Rim Panic Device



P-52497 CVR Panic Device

You can view all of our standard entrance hardware options by selecting the entrance hardware data sheets on our product guide at [www.ykkap.com](http://www.ykkap.com)



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)