

Double Hung Series Product Selection Guide

<http://www.peerlessproducts.com/>

Model Number	Description	Frame Depth	Typical Wall Thickness	AAMA Rating	Structural (PSF)	AIR (CFM /SF)	Water (PSF)	U-value	SHGC	STC	Blast	Impact	Dual Glazed w/ Blinds	Grid Options	Sash Weight	Test Size
GDH3	Double Hung (Tilt)	3.25	0.08	AW 50	75	<0.3	10	0.355	0.301	33-38	Avl	Avl	No	A-I-T	130	60" x 99"
GDH5	Double Hung (Tilt)	4.25	0.08	AW 50	75	<0.3	10	0.299	0.259	33-41	Avl	Avl	No	A-I-T	130	60" x 99"
4350	Double Hung (Tilt)	4.00	0.062	AW 50	75	<0.3	10	0.393	0.321	31-35	No	No	No	A-I-T	130	60" x 99"

* All thermal tests performed with 1" insulated glass consisting of 1/4" Solarban 60 (Low-E #2) annealed/ Argon with TGI Spacer/ 1/4" Clear annealed

A=Applied I=Internal T=True

* GDH5 thermal tests performed with 1 3/8" insulated glass consisting of 1/4" Solarban 60 (Low-E #2) annealed/ 1/4" Clear annealed/ 1/4" Sungate 500 (Low-E #6) annealed with Argon filled airspaces

Features

- AAMA standard Tested and Certified
- 3 ¼" Frame Depth-G300 polyamide strip thermal breaks
- Tilt in design
- 1" sealed insulating glass per ASTM E 2190-02
- Interlocking two piece adjustable corner key design.
- Equal length master frame legs
- Aluminum glazing beads with dual durometer bulb
- Manufactured on 1/8" increments
- Vent screens with charcoal colored fiberglass mesh
- Kynar 2605 finish in 10 standard colors
- Kynar 2605 anodized painted finish colors available

Options

- All commercially available glazing material
- 1 3/8" glass pocket for glazing exterior applied grids
- A variety of arch options available. Minimum radius will apply
- Between-the-glass muntins in 2 different widths
- Exterior-applied and tape applied muntins in various widths
- 1" insulated panels
- Various structural mullions for joining side-lite windows in an opening
- Receptor systems
- Standard and custom panning systems
- Interior trim systems
- Sub-sills
- Project specific custom extrusions
- Aluminum, stainless steel, and solar screen mesh
- Limited sash travel options
- Custom, colors, 2605 painted finish, and anodized finish
- Two different color combinations for interior and exterior finish

GDH3



Features

- AAMA standard Tested and Certified
- 4 1/4" Frame Depth-G500 polyamide strip thermal breaks
- Tilt in design
- Low-E foil to reflect heat back out
- Neoprene foam to absorb and isolate air transfer
- 1" sealed insulating glass per ASTM E 2190-02
- Interlocking two piece adjustable corner key design.
- Equal length master frame legs
- Aluminum glazing beads with dual durometer bulb
- Manufactured on 1/8" increments
- Vent screens with charcoal colored fiberglass mesh
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GDH5



Hardware

Locking Hardware	GSH3	GSH5
Auto Locks	Standard	Standard
Ergonomic Auto Locks	Optional	Optional
Sweep Lock	Optional	Optional

Glazing

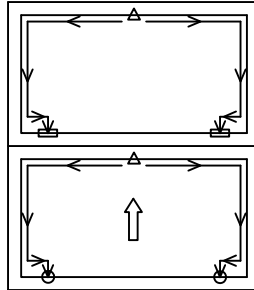
Glazing Options	GSH3	GSH5
1"	Standard	Standard
1¼"	Optional	Optional
1" with Ext Grid	N/A	Optional
1 3/8"	N/A	Optional
Dual Glazed with Access Panel	N/A	Optional

△ = 1/8" DIA EQUAL PRESSURE HOLE
(CENTER LINE OF TOP HORIZONTAL)

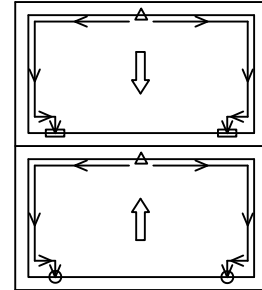
○ = 1/4" DIA WEEP HOLE
(APPROX 3" FROM EDGE)

□ = FACE MOUNTED WEEP
(APPROX 3" FROM EDGE)

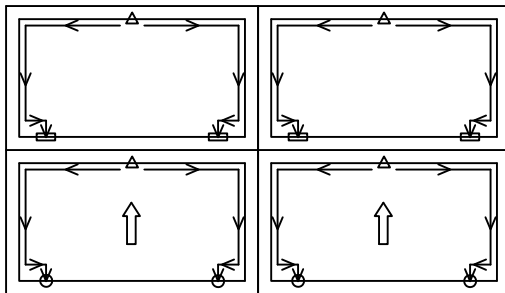
⊖ = WEEP OPTIONS: HOLE TO
WEEP INTO SUBSILL, OR FACE
MOUNTED WEEP IF NO SUBSILL
(APPROX 3" FROM EDGE)



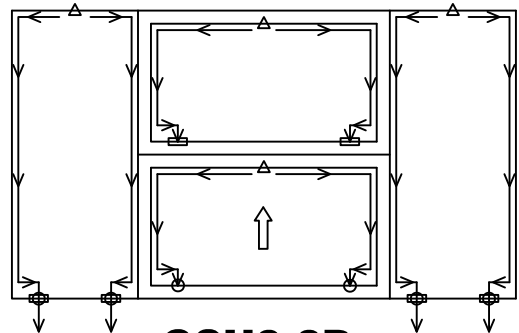
**GSH3
GSH5**



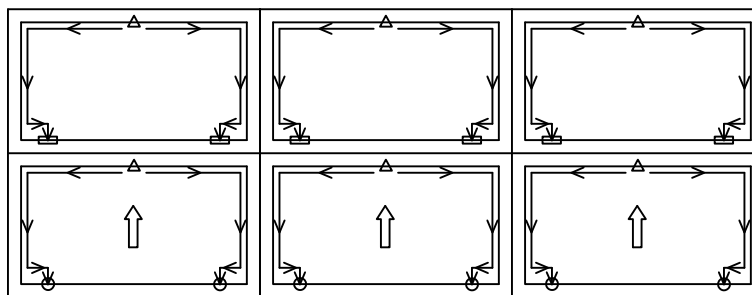
**GDH3
GDH5**



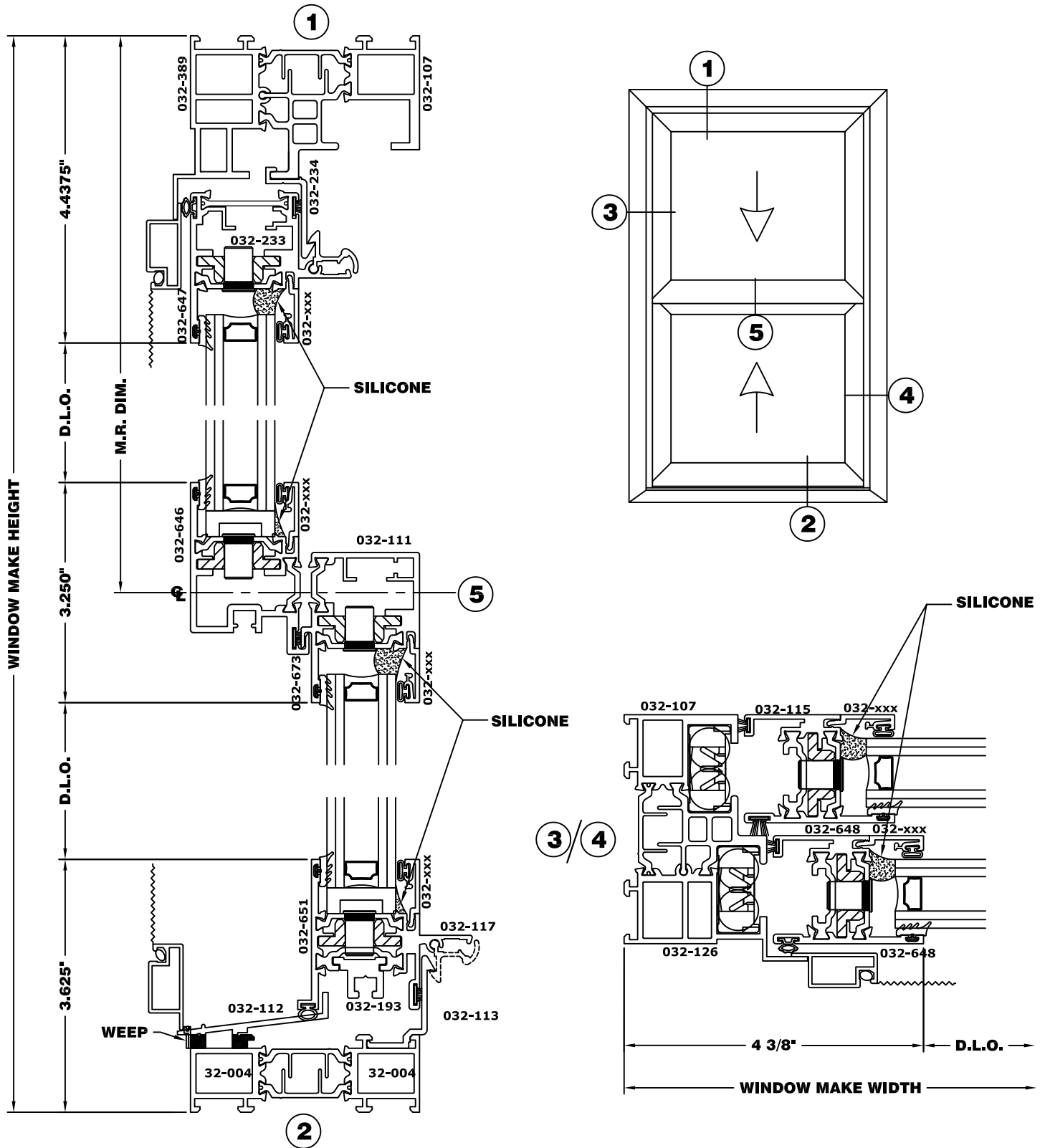
GSH3-2



GSH3-2P



GSH3-3

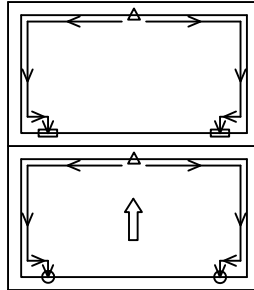


△ = 1/8" DIA EQUAL PRESSURE HOLE
(CENTER LINE OF TOP HORIZONTAL)

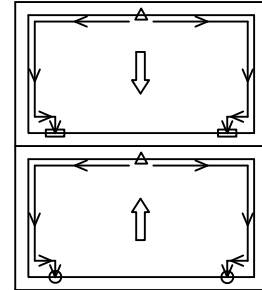
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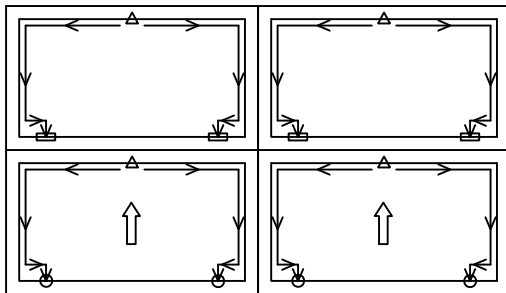
⊖ = WEEP OPTIONS: HOLE TO
WEEP INTO SUBSILL, OR FACE
MOUNTED WEEP IF NO SUBSILL
(APPROX 3" FROM EDGE)



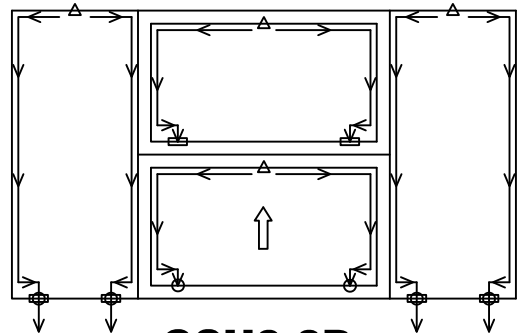
**GSH3
GSH5**



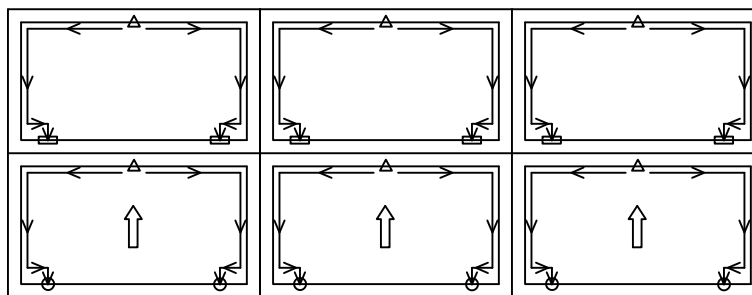
**GDH3
GDH5**



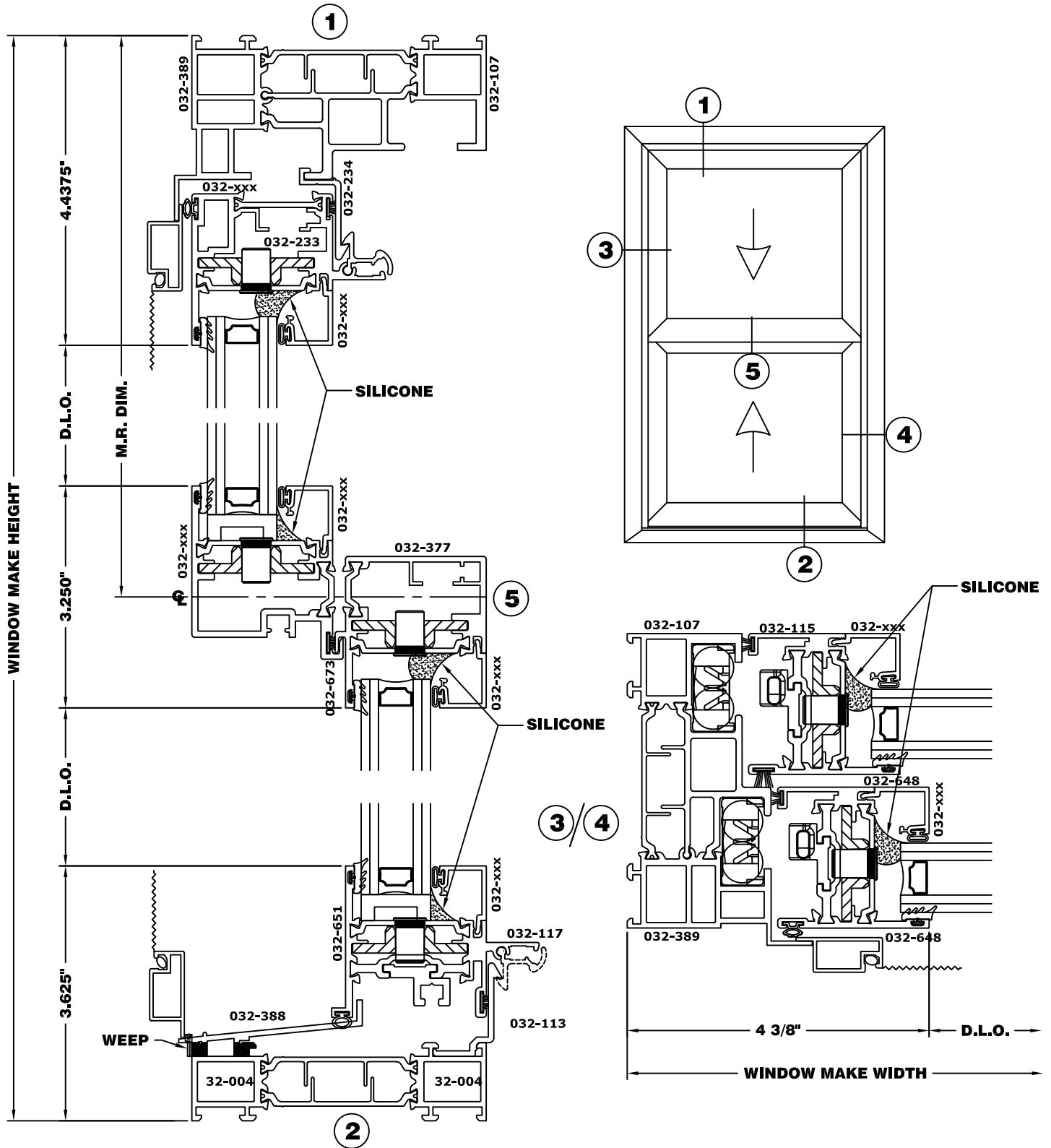
GSH3-2



GSH3-2P



GSH3-3



Features:

- AAMA standard tested and certified
- Structural thermal breaks
- Coped corner construction
- 1" sealed insulating glass per ASTM E 2190-02
- Aluminum bead glazed
- Operable hung sash tilt
- Stainless steel pivot bars
- Positive interlocks
- Double fin-type weather-stripping
- Full-width lift handle both Sash & Cast handle top sash
- Spiral sash balances
- Self-aligning high-security cam-type sash locks
- Vent Screens with charcoal colored fiberglass mesh
- Self-Stacked mullionless mating with other 4000 series windows
- Manufactured on 1/8" increments
- 1/2" extended sill leg hung only (equal leg on sliders and fixed)
- Kynar 2605 finish in 25 standard colors

Options:

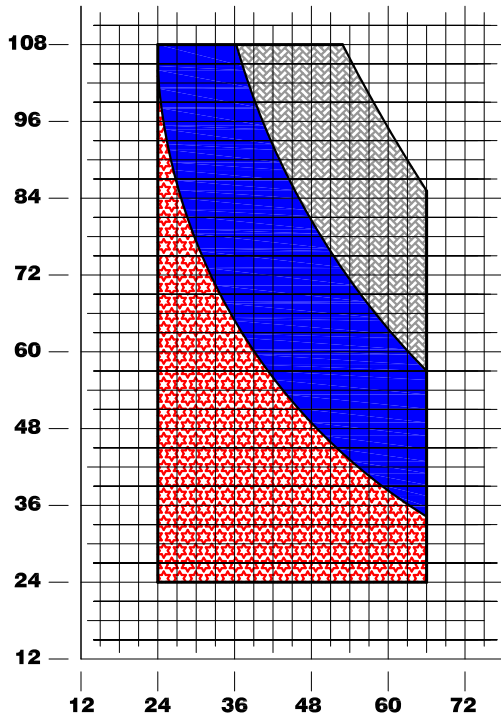
- Between-the-glass, exterior-applied or true muntins
- Aluminum or solar screen mesh
- Tilt sash make window cleaning easy
- All commercially available glazing materials
- Limited sash travel
- Pole ring, cast bronze, automatic or keyed sash locks
- Single glazing available
- Standard and custom panning
- Receptor, mullion and subsill systems
- Factory-provided equal length sill legs when needed for stacking or use with sub-sill or existing horizontal sill of opening
- Class 5 reduced lift force balances (Ultra-Lift)
- Various high performance modifications
- Custom Colors, 2603 Fluorocryl, 2604 Kynar and anodized finishes

Hardware & Glazing Tables

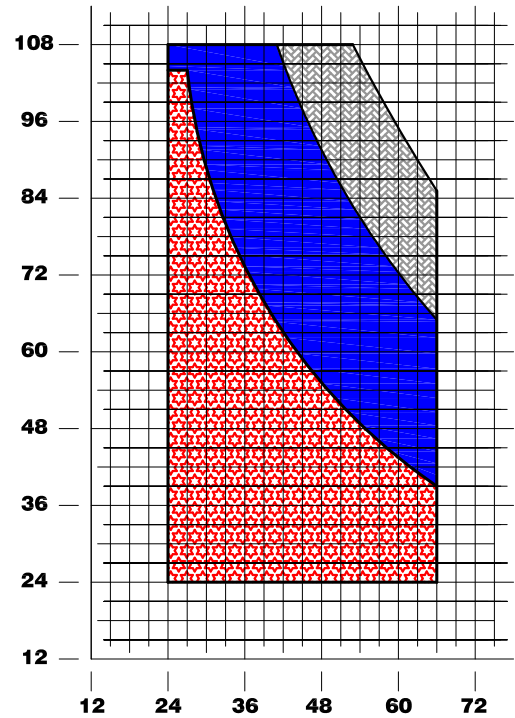
Locking Hardware	4350
Zamac Black Sweep Lock	Standard
White Bronze Drift Latch	Optional
White Bronze Sweep Lock	Optional
White Bronze Pole Ring Sweep Lock	Optional
White Bronze Custodial Lock	Optional
White Bronze Auto Sill Locks	Optional
Operating Hardware	
Ultra Lift Balances (Class V)	Standard
Spiral Balances (Weight Limits Apply)	Optional
Block & Tackle Balances (Weight Limits Apply)	Optional

Single Glazed, IGU's & Panels	4350
1"	Standard
1/8" - 1/4"	Optional
5/8" with Ext Grid	Optional

1/4"-1/4" IG GLASS

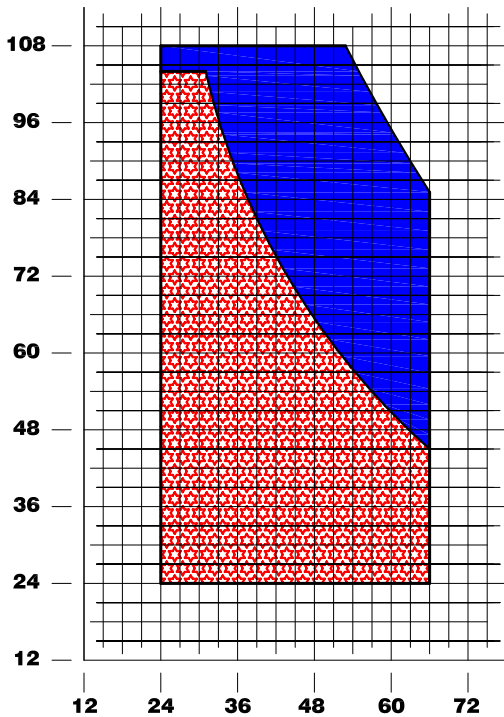


3/16"-3/16" IG GLASS

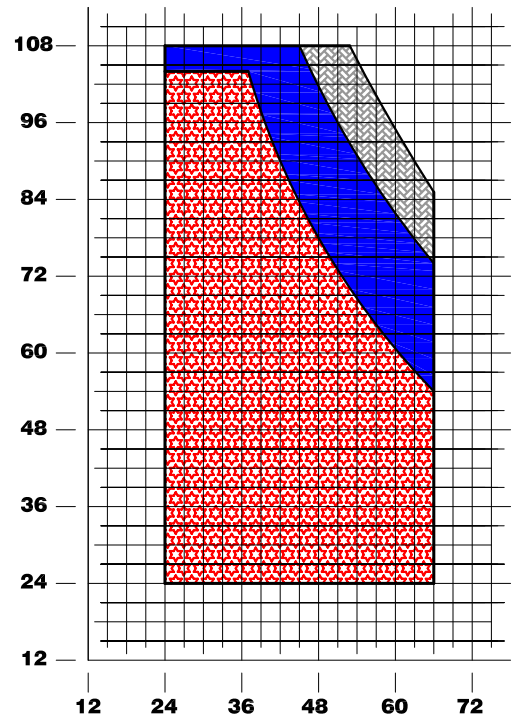


 ACCEPTABLE AREA FOR SUPER-LIFT BALANCES ONLY
 ACCEPTABLE AREA FOR UL BALANCES ONLY
 ACCEPTABLE AREA FOR SPIRAL AND UL BALANCES

5/32"-5/32" IG GLASS



1/8"-1/8" IG GLASS



- THESE GRAPHS ARE BASED ON THE WEIGHT CAPABILITIES OF OUR BALANCES, THE SQUARE FOOTAGE OF GLASS, AND THE MAXIMUM WEIGHT OF A TOTAL WINDOW.
 - THE MAX. SASH WEIGHT OF OUR BALANCES ARE AS FOLLOWS:
 ~ SPIRAL - 50 LBS
 ~ ULTRA LIFTS - 80 LBS
 ~ SUPER LIFTS - 100 LBS
 - THE MAX WEIGHT OF A TOTAL WINDOW IS 240 LBS
 - THE MAX. SQUARE FOOTAGE OF 1/8" IG GLASS IS 15 SQUARE FEET PER SASH

These Graphs are Based on Equal Lite Configurations.

Egress Formulas

Double Hung Windows	Width Minus	Height/2 Minus
4350	3.875	8.25

* Standard frames used for all calculations

