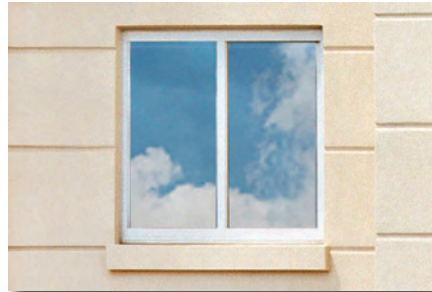
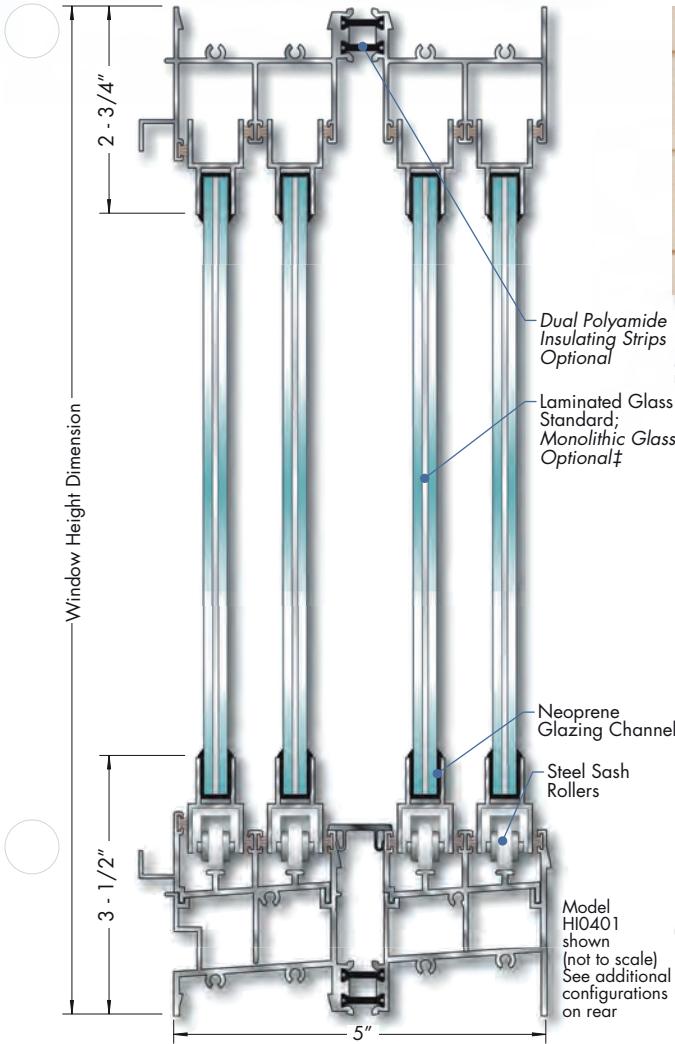


**Series HI0400 4½" & 5" Frame Depths**  
**HURRICANE-RESISTANT HORIZONTAL SLIDING • Acoustical**

OPERATION



Kahala Nui, Honolulu, HI



Kahala Nui, Honolulu, HI

**STANDARD FEATURES**

- Acoustical dual horizontal sliding windows for hurricane-impact resistance
- Provides large missile impact protection
- Offers passive protection from wind-borne debris - without shutters!
- Thermally broken frame and dual sash for superior energy savings
- Utilizes extruded spring locks
- Mulls to fixed and operable products of the same frame depth
- Ball bearing rollers in plastic housing for superior operation
- Full-height extruded pull rails

**INSTALLATION METHODS**

- Pre-set panning
  - Trim & clip
  - Wraparound panning
  - Receptor & subsill
  - Through-frame anchors at head and jambs; trim and clip at sill\*
- \* Currently approved

**OPTIONS**

- High-performance acoustical ratings available - contact Graham
- High-performance energy-efficient options available
- Applied flat-stock grids

**HURRICANE-RESISTANT SERIES HI0400 HORIZONTAL SLIDING • Acoustical**

Operation	Type	Frame Depth	Series	Model Code	Glazing‡	Missile Type		Florida Product Approval		Design Pressure [PSF]		Water Test Pressure [PSF]	Test Size in Inches
						Large	Small	Number	HVHZ	POS [+]	NEG [-]		
X0,0X XX XOX	4-Track Horizontal Sliding	5"	HI-0400	HI0401	Dual Single Lami	✓	Meets	PENDING		60	60	9	107 x 72
		4½"		HI0402	Dual Single Lami	✓	Meets	FL10081.1	✓	40	40	7.5	144 x 62

The information on this page is current at the time of publication. ‡Additional glazing & test configurations available - call Graham.

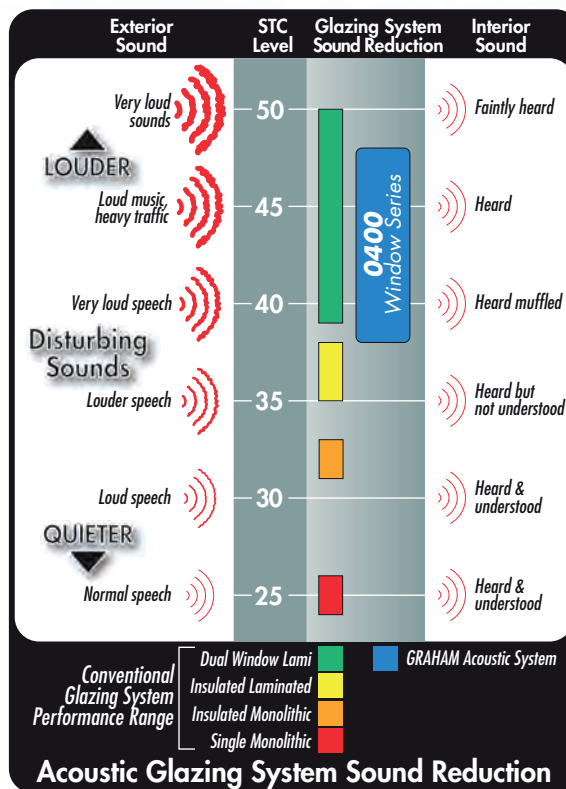
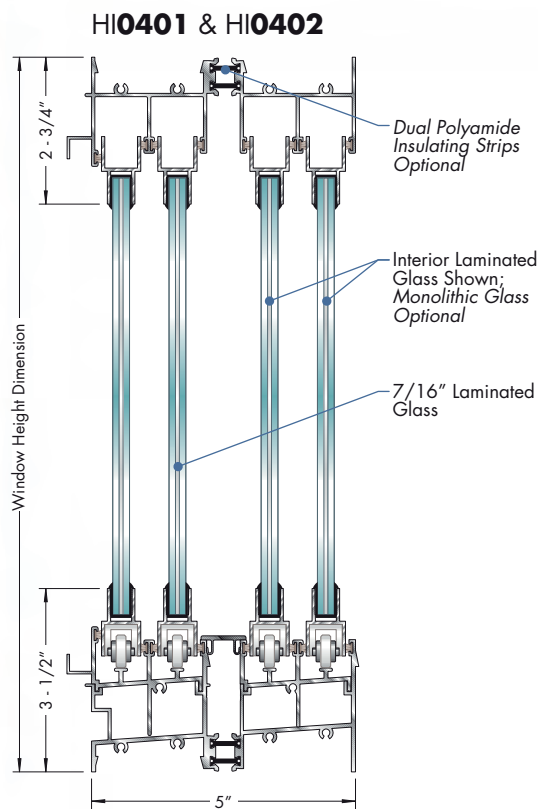
**Series HI0400 HORIZONTAL SLIDING • Acoustical INFORMATION**

- Materials:  
All frame sections shall be thermally broken extruded aluminum shapes produced from commercial quality 6063-T5 alloy
- Hardware:  
Ball bearing rollers for easiest sash operation - even on largest sizes  
Interior: white bronze sweep locks for strength and extra durability; Exterior: extruded aluminum spring snap locks  
Tested to impact performance standards
- Finish Options:  
AAMA 2603, 2604, & 2605, as well as powder coat and anodized finishes, are all available in a wide range of colors
- Accessories:  
Wide range of panning & trim options available

! Check website for complete, current information including other installation and hardware options: [www.grahamwindows.com](http://www.grahamwindows.com)  
 1551 Mt. Rose Avenue, York, Pennsylvania 17403-2909 • e-mail: [info@grahamwindows.com](mailto:info@grahamwindows.com) • 800-755-6274 • 717-849-8100

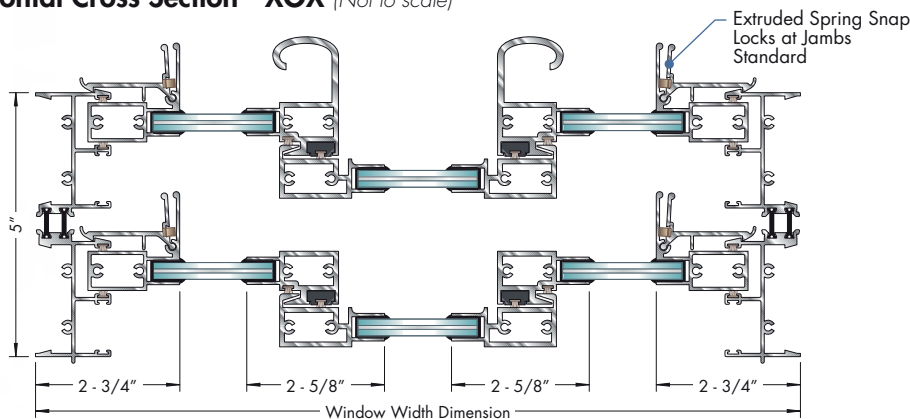


**Vertical Cross Section** (Not to scale)



STC = Sound Transmission Class - a higher STC value indicates greater noise reduction.

**Horizontal Cross Section - XOX** (Not to scale)



**HI0401 Features**

- Horizontal sliding dual acoustical window
- 5" frame depth
- Polyamide strip thermal-break frame
- Dual glazed: exterior lami; interior lami
- Available in XO, OX, or XOX configurations
- Large missile +60/-60 DP performance

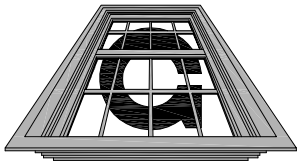
**HI0402 Features**

- Horizontal sliding dual acoustical window
- 4½" frame depth
- Poured-in-place urethane thermal-break frame
- Dual glazed: exterior lami; interior lami
- Available in XO, OX, or XOX configurations
- Large missile +40/-40 DP performance

\*PLEASE NOTE: The illustrations shown are informational only as anchorage requirements vary widely according to application, product size, and performance constraints. Contact Graham's Technical Services Department at 800-755-6274 for project application assistance.

! Check website for complete, current information including other installation and hardware options: [www.grahamwindows.com](http://www.grahamwindows.com)  
 1551 Mt. Rose Avenue, York, Pennsylvania 17403-2909 • e-mail: [info@grahamwindows.com](mailto:info@grahamwindows.com) • 800-755-6274 • 717-849-8100

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# Hurricane Impact - 5"

## 4-Track Horizontal Slider

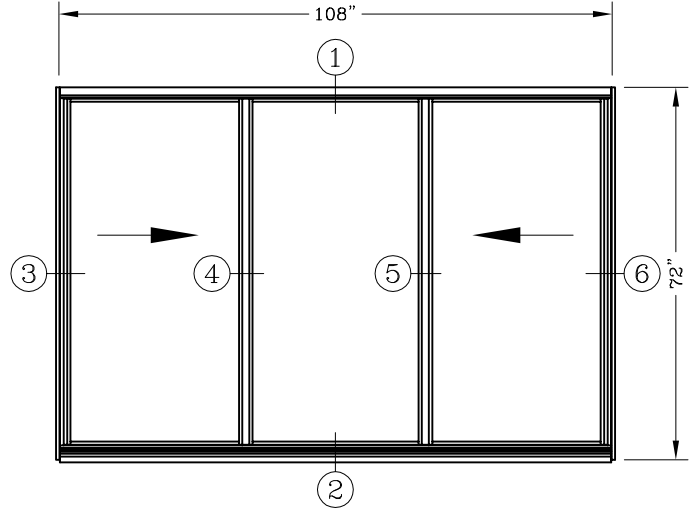
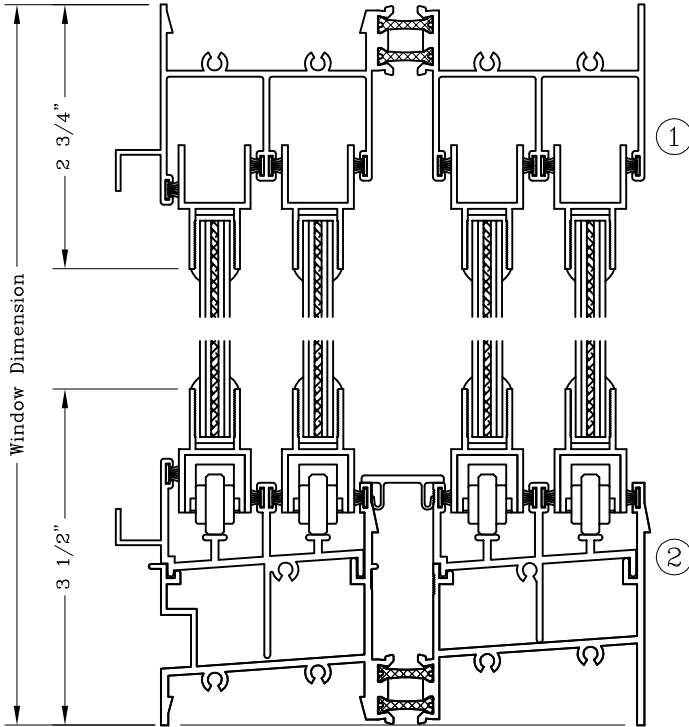
Tested To +60DP/-60DP (Large Missile)

Series: HI0400

Manufacturing Code: HI0401

Drawing 1/2 Scale - For Custom Size Drawing Contact Graham

Note: Sealant Not Shown On Details. Consult Technical Services At Factory For Sealing Procedures.

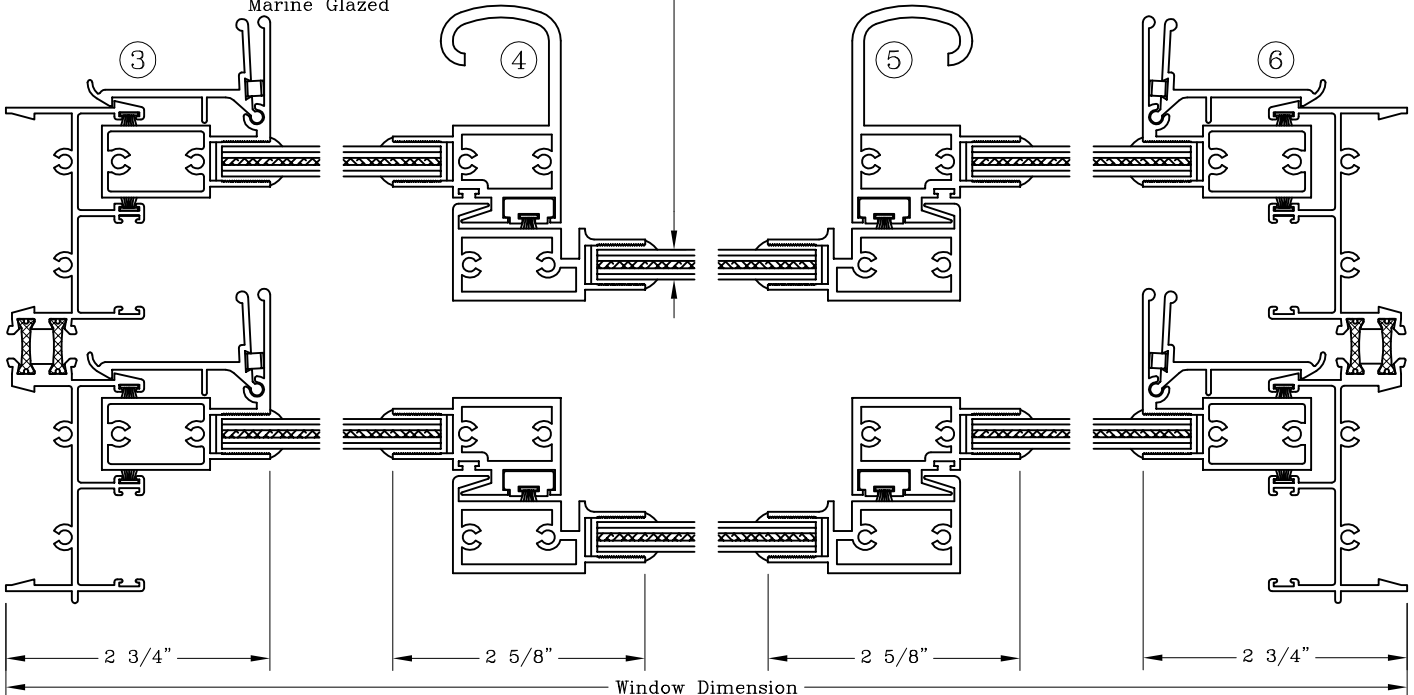


ELEVATION  
XOX Shown  
108" x 72" Tested

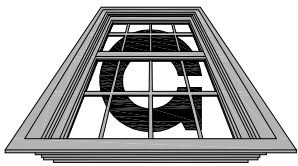
### INSTALLATION TYPES

1. Through Frame Anchors At Head And Jamb.
  2. Trim Clip Across Sill.
- (Reference Test Report #62503.01-109-18)

Glazing To Be:  
5/16" Lami Consisting Of:  
1/8" Thick Heat Strengthened Exterior  
.075 Storm Glass Interlayer (Solutia)  
1/8" Thick Heat Strengthened Interior  
Marine Glazed



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Architectural Products

# Hurricane Impact - 4 1/2"

## 4-Track Horizontal Slider

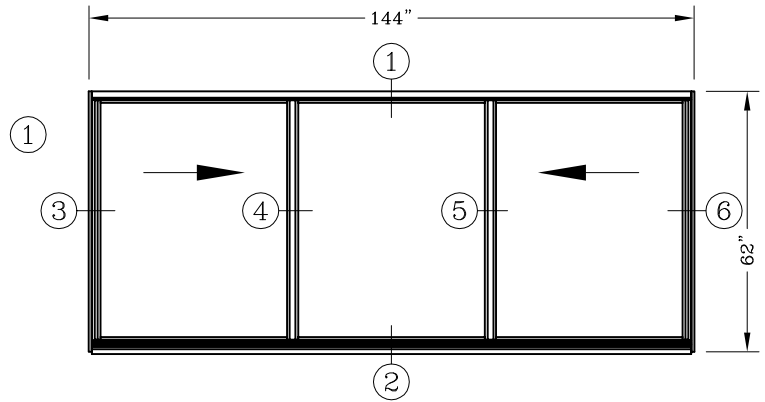
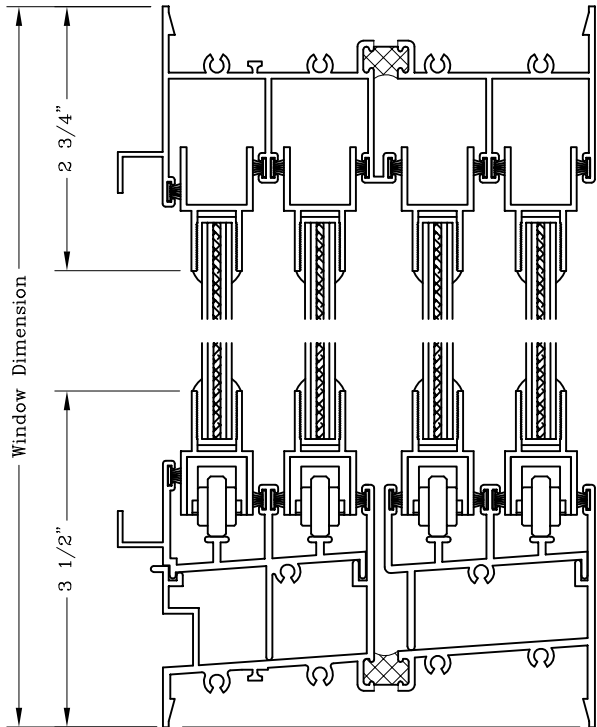
### Tested To +40DP/-40DP (Large Missile)

Series: HI0400

Manufacturing Code: HI0402

Drawing 1/2 Scale - For Custom Size Drawing Contact Graham

Note: Sealant Not Shown On Details. Consult Technical Services At Factory For Sealing Procedures.



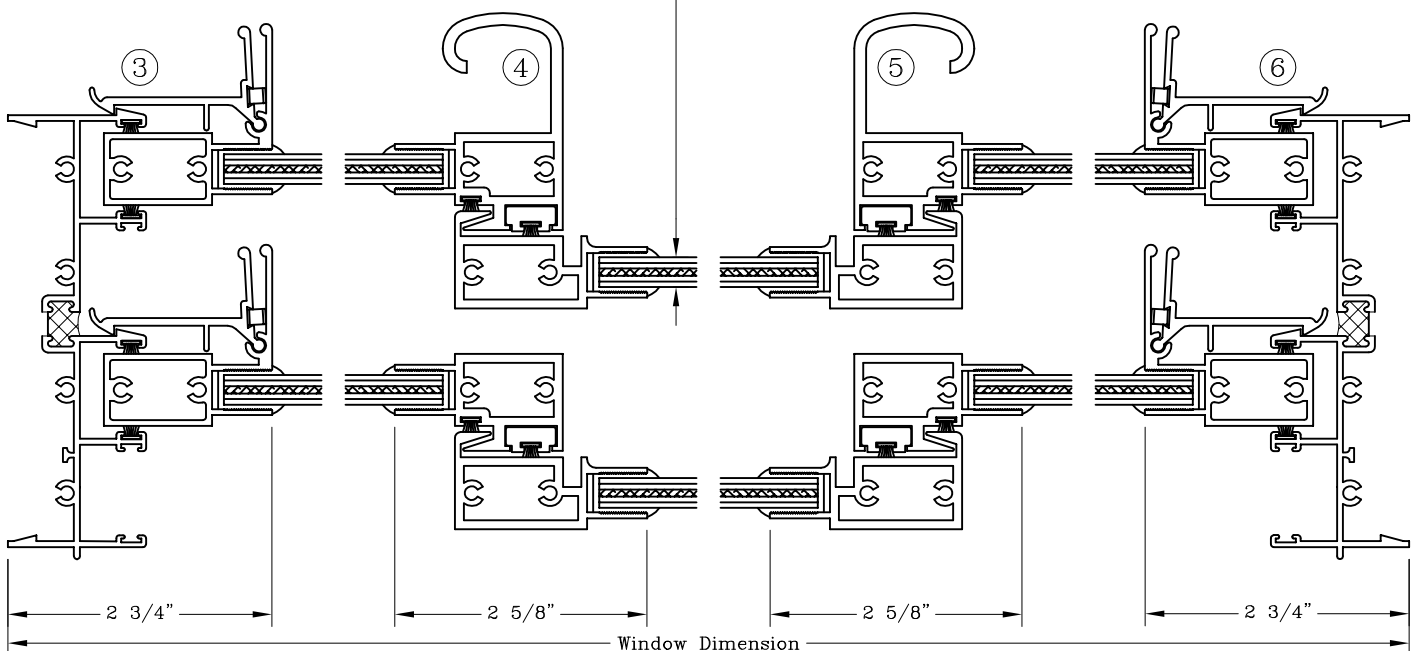
### ELEVATION

XOX Shown  
144" x 62" Tested

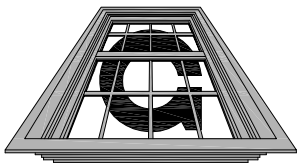
### INSTALLATION TYPES

1. Through Frame Anchors At Head And Jamb.
  2. Trim Clip Across Sill.
- (Reference Test Report #01-44450.01)

Glazing To Be:  
 5/16" Lami Consisting Of:  
 1/8" Thick Annealed Exterior,  
 .090 PVB Interlayer, (Solutia)  
 1/8" Thick Annealed Interior



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# Hurricane Impact - 5"

## 4-Track Horizontal Slider

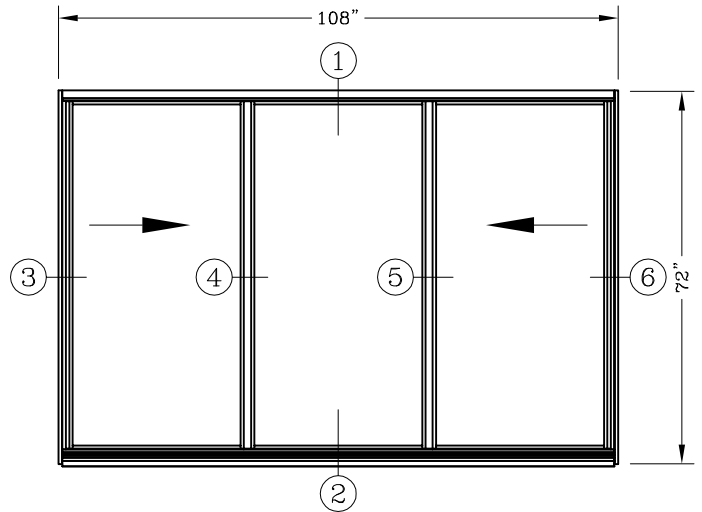
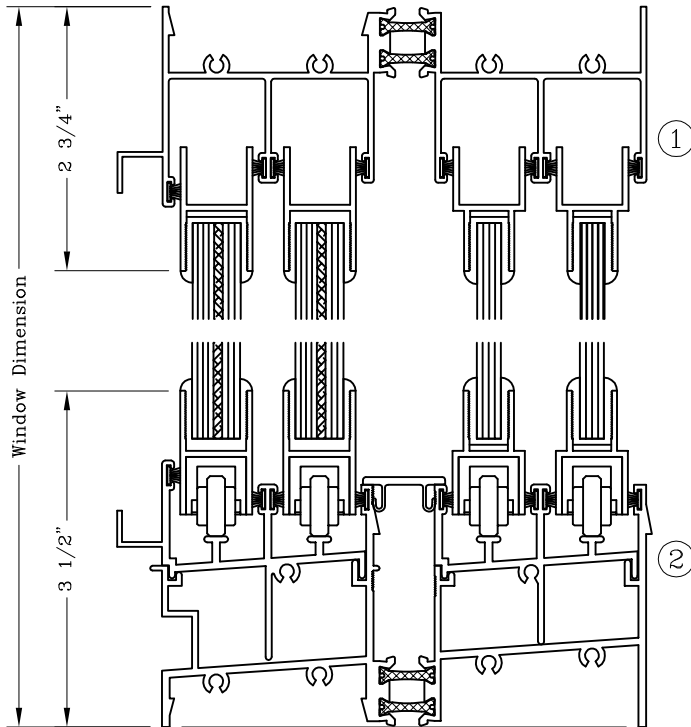
### Tested To +60DP/-60DP (Large Missile)

Series: HI0400

Manufacturing Code: HI0403

Drawing 1/2 Scale - For Custom Size Drawing Contact Graham

Note: Sealant Not Shown On Details. Consult Technical Services At Factory For Sealing Procedures.



### ELEVATION

XOX Shown  
108" x 72" Tested

### INSTALLATION TYPES

1. Through Frame Anchors At Head And Jamb.
  2. Trim Clip Across Sill.
- (Reference Test Report #85322.01-109-18)

