

# Hurricane Impact – 3 1/2” Fixed (Large Missile)

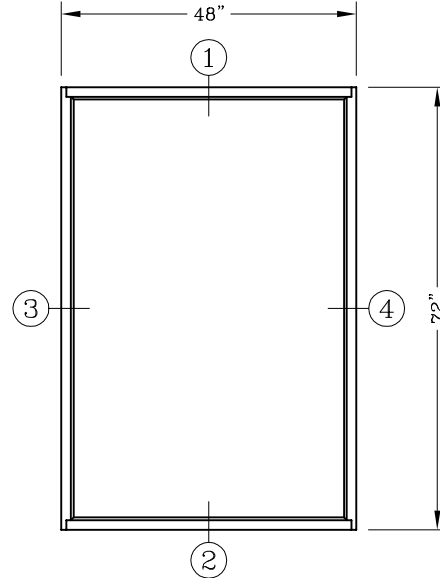
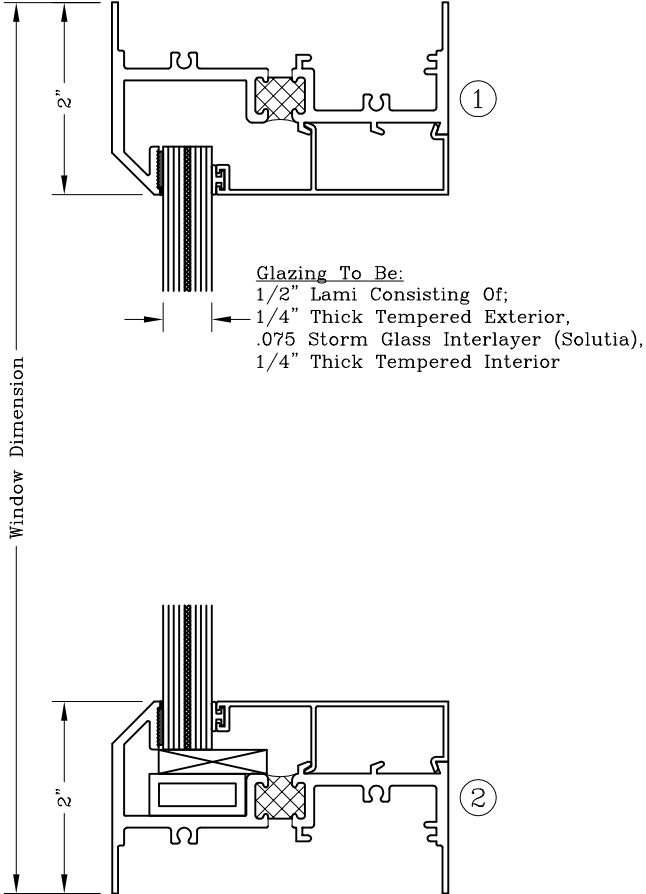


Series: HI6800

Manufacturing Code: HI6801

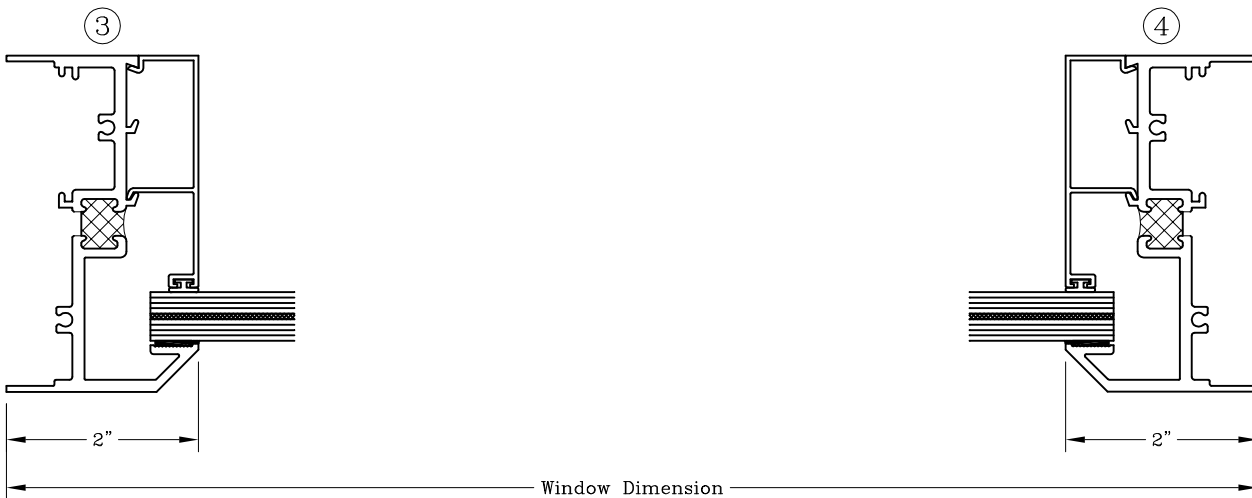
Drawing 1/2 Scale – For Custom Size Drawing Contact Graham

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.



ELEVATION  
48" x 72" Tested

- INSTALLATION TYPES**
1. Trim And Clip
  2. Pre-Set Panning And Trim Clip
  3. Receptor At Head And Jamb, And Sill Starter  
(Reference Test Report #62504.01-109-18)



# Hurricane Impact – 3 1/2” Fixed (Large Missile)

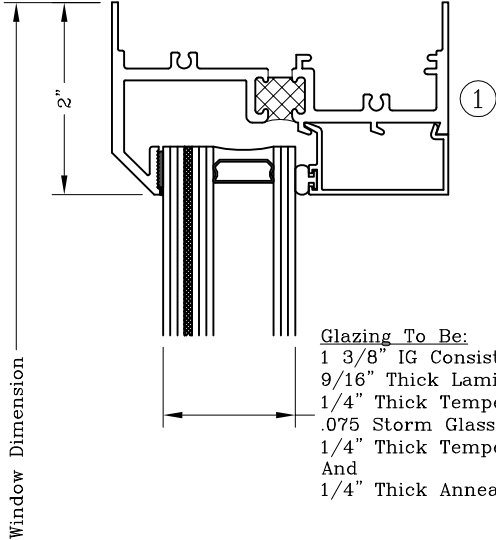


Series: HI6800

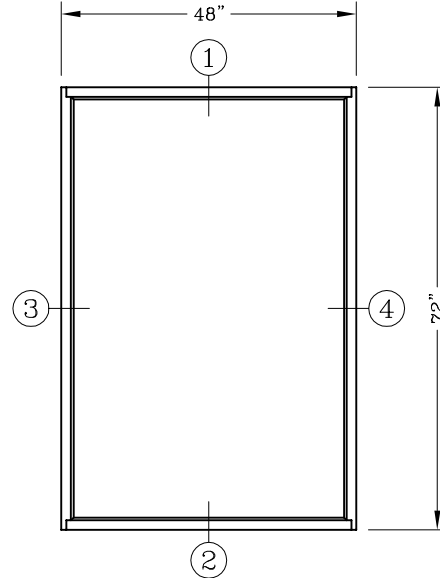
Manufacturing Code: HI6802

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

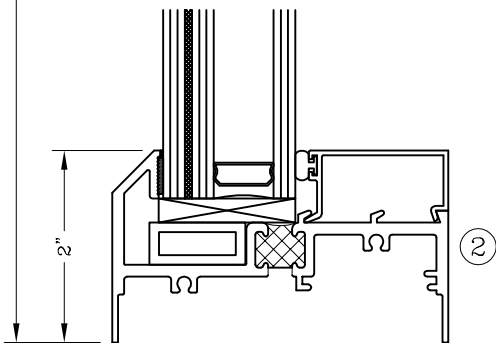
Note: Sealant Not Shown On Details. Refer To General Installation Instructions.



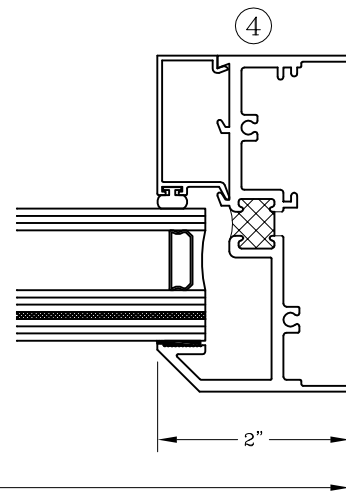
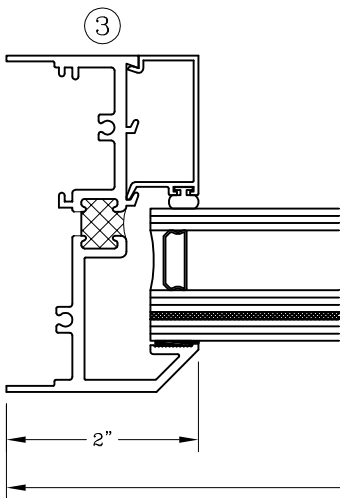
Glazing To Be:  
 1 3/8" IG Consisting Of;  
 9/16" Thick Lami Consisting Of;  
 1/4" Thick Tempered Exterior,  
 .075 Storm Glass Interlayer (Vancevia),  
 1/4" Thick Tempered Interior,  
 And  
 1/4" Thick Annealed Interior



ELEVATION  
 48" x 72" Tested



- INSTALLATION TYPES
1. Trim And Clip
  2. Pre-Set Panning And Trim Clip
  3. Receptor At Head And Jamb, And Sill Starter  
 (Reference Test Report #62504.01-109-18)



Window Dimension

# Hurricane Impact – 3 1/2” Casement With Guardian (Large Missile)

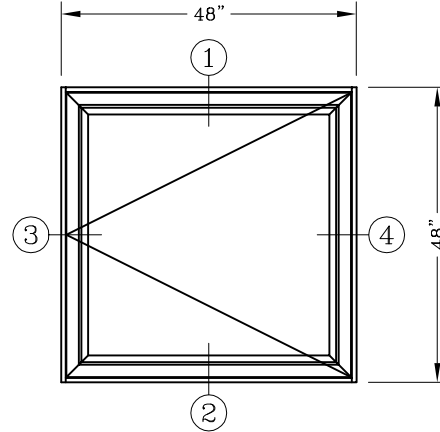
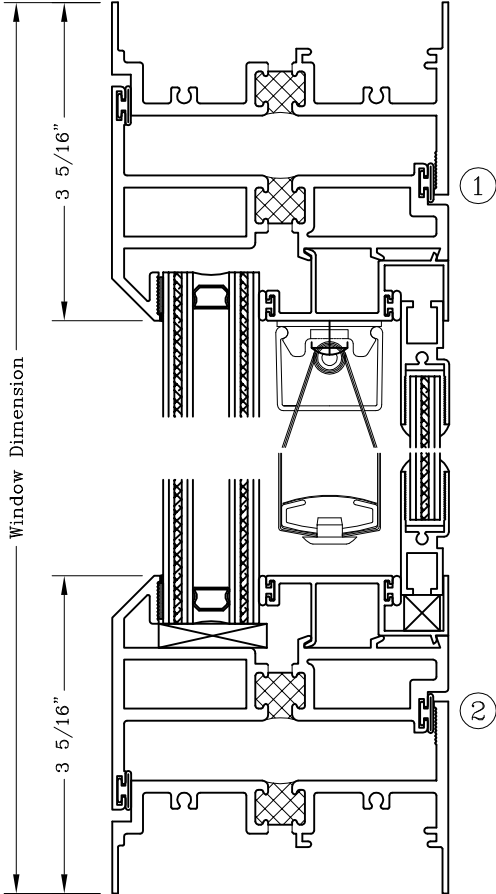


Series: HI6800

Manufacturing Code: HI6803

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

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.

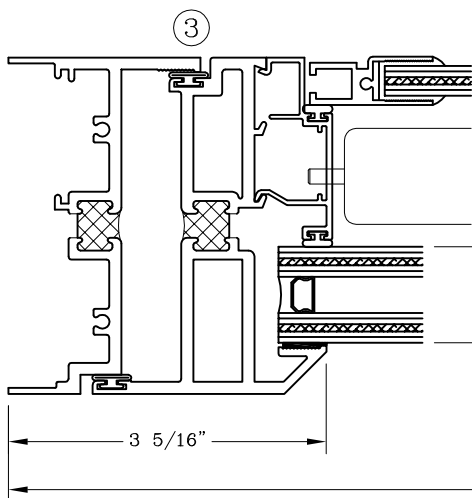


ELEVATION

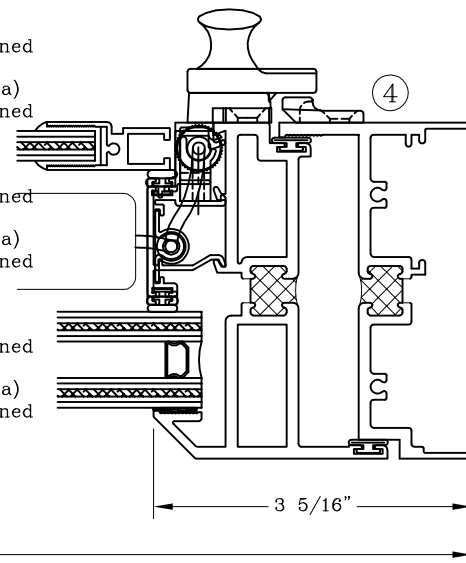
48" x 48" Tested

### INSTALLATION TYPES

1. Trim And Clip  
(Reference Test Report #62053.01-122-44)



Glazing To Be:  
1" IG Consisting Of;  
5/16" Lami Consisting Of;  
1/8" Thick Heat Strengthened  
Exterior  
.075 PVB Interlayer (Solutia)  
1/8" Thick Heat Strengthened  
Interior  
And  
5/16" Lami Consisting Of;  
1/8" Thick Heat Strengthened  
Exterior  
.075 PVB Interlayer (Solutia)  
1/8" Thick Heat Strengthened  
Interior  
And  
5/16" Lami Consisting Of;  
1/8" Thick Heat Strengthened  
Exterior  
.075 PVB Interlayer (Solutia)  
1/8" Thick Heat Strengthened



Note: Dashed Lines Represent Inswing Vented Units Solid Lines Represent  
Outswing Vented Units; Lines Converge At Hinge Side Of Vent

# Hurricane Impact – 3 1/2” Casement (Large Missile)

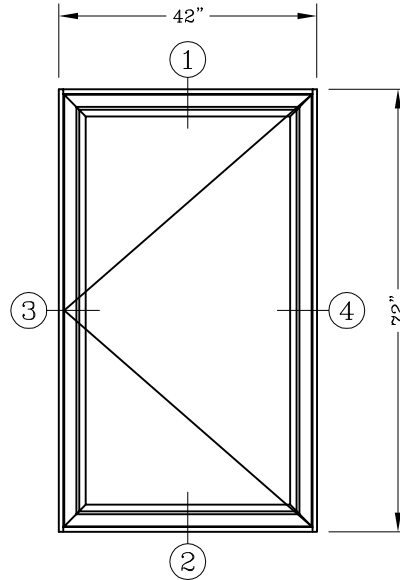
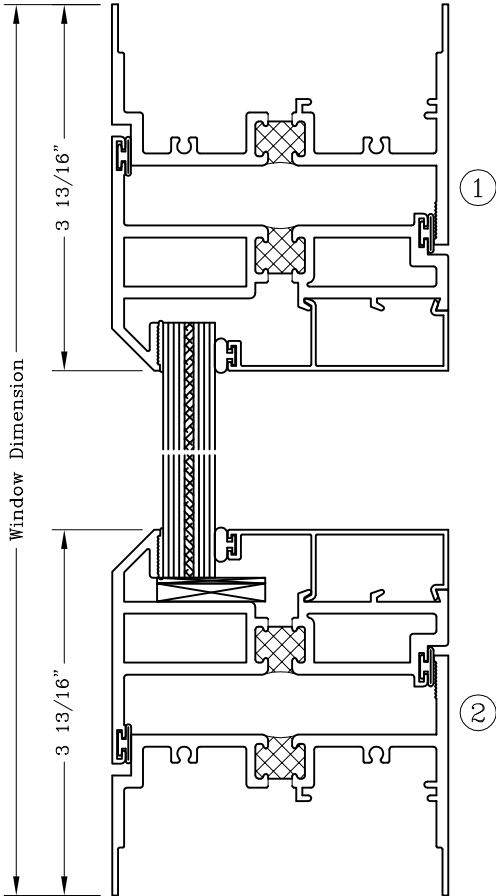


Series: HI6800

Manufacturing Code: HI6804

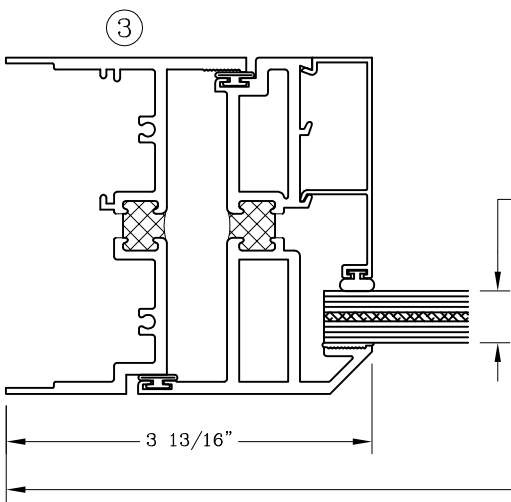
Drawing 1/2 Scale – For Custom Size Drawing Contact Graham

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.

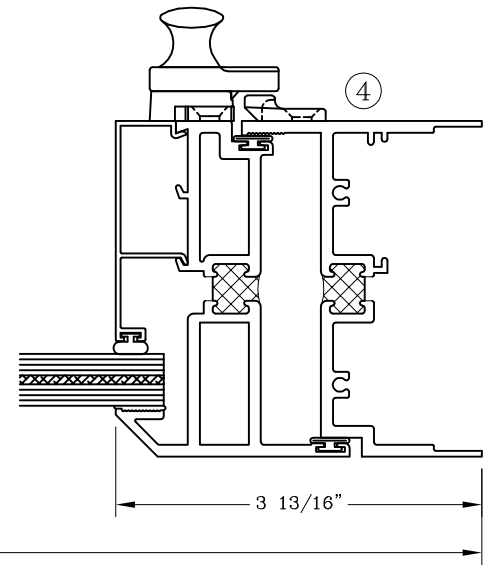


ELEVATION  
42 x 72" Tested

INSTALLATION TYPES  
1. Trim And Clip  
(Reference Test Report #64866.01-109-18)



Glazing To Be:  
9/16" Lami Consisting Of;  
1/4" Thick Annealed Exterior  
.075 PVB Interlayer (Solutia)  
1/4" Thick Annealed Interior



Note: Dashed Lines Represent Inswing Vented Units Solid Lines Represent  
Outswing Vented Units; Lines Converge At Hinge Side Of Vent

# Hurricane Impact – 3 1/2” Casement (Large Missile)

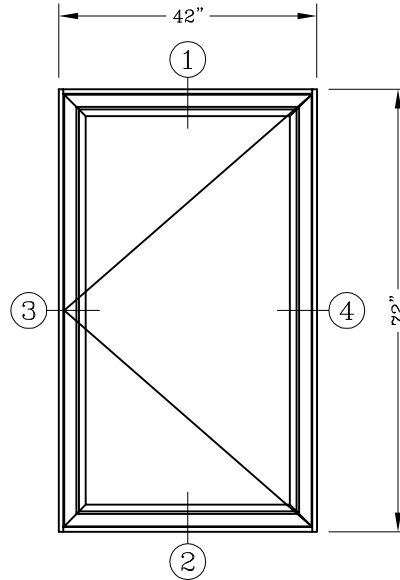
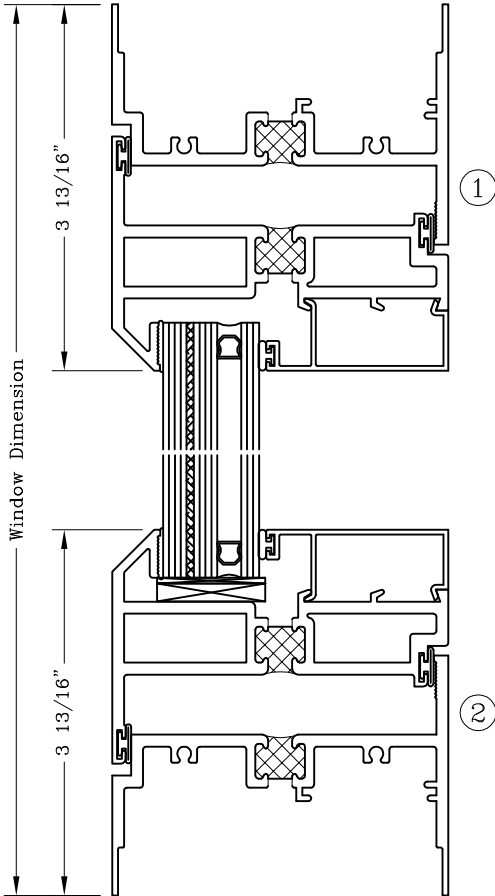


Series: HI6800

Manufacturing Code: HI6805

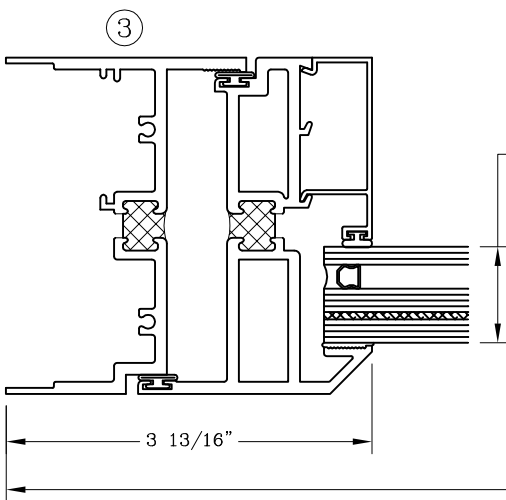
Drawing 1/2 Scale – For Custom Size Drawing Contact Graham

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.

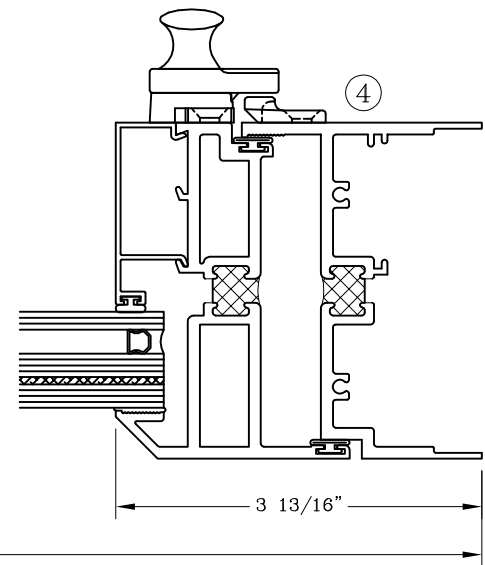


ELEVATION  
42" x 72" Tested

- INSTALLATION TYPES**
1. Trim And Clip
  2. Receptor At Head And Jamb, And Sill Starter
  3. Pre-Set Panning And Trim Clip
  4. Wraparound Panning And Trim Clip
- (Reference Test Report #64866.01-109-18)



Glazing To Be:  
1" IG Consisting Of;  
9/16" Lami Consisting Of;  
1/4" Thick Annealed Exterior  
.075 PVB Interlayer (Solutia)  
1/4" Thick Annealed Interior  
And  
3/16" Thick Annealed Interior



Note: Dashed Lines Represent Inswing Vented Units Solid Lines Represent  
Outswing Vented Units; Lines Converge At Hinge Side Of Vent

# Hurricane Impact – 3 1/2” Casement

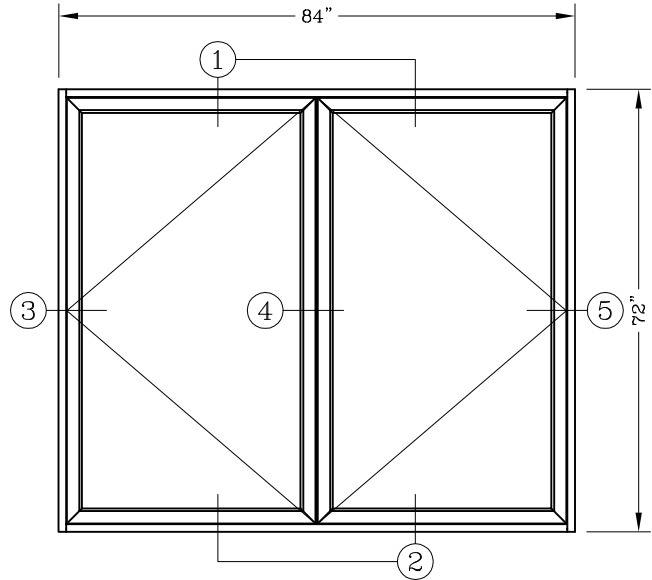
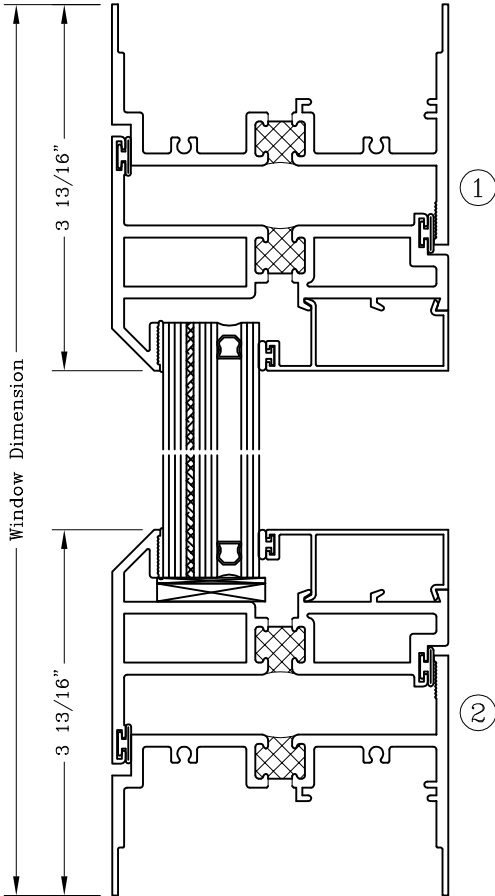


Series: HI6800

Manufacturing Code: HI6806

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

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.



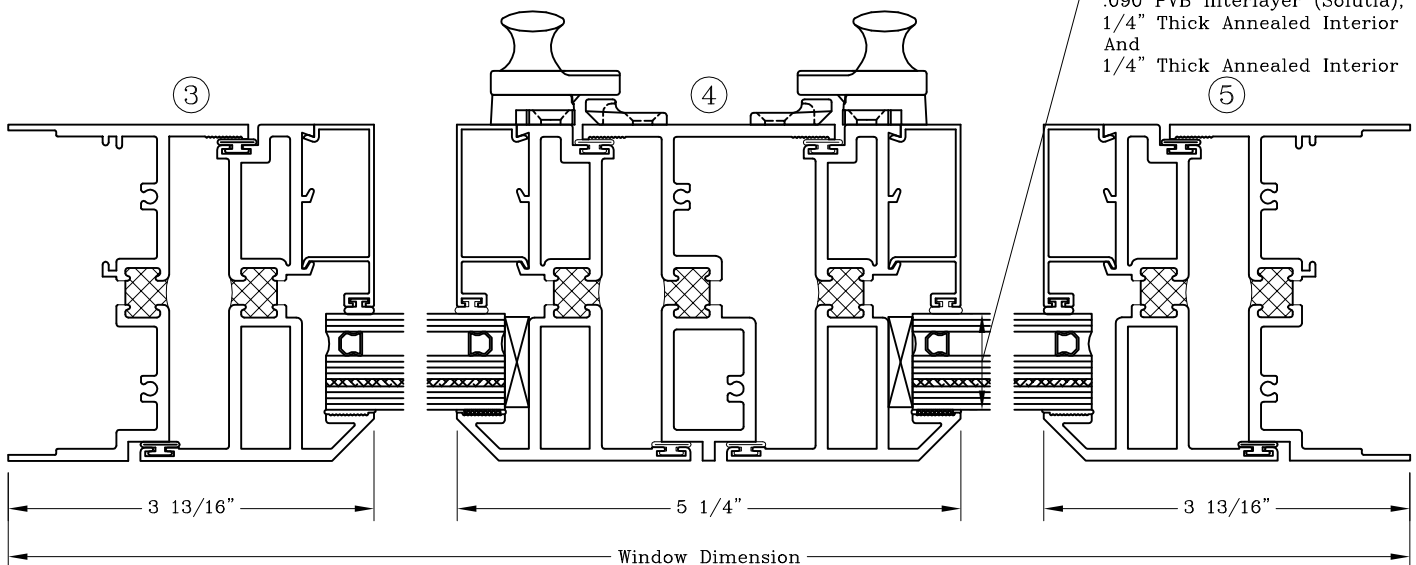
ELEVATION  
84" x 72" Tested

### INSTALLATION TYPES

1. Trim And Clip
  2. Receptor At Head And Jambs, And Sill Starter
  3. Pre-Set Panning And Trim Clip
- (Reference Test Report Pending)

### Glazing To Be:

- 1" IG Consisting Of;
- 9/16" Lami Consisting Of;
- 1/4" Thick Annealed Exterior,
- .090 PVB Interlayer (Solutia),
- 1/4" Thick Annealed Interior
- And,
- 1/4" Thick Annealed Interior



Note: Dashed Lines Represent Inswing Vented Units Solid Lines Represent  
Outswing Vented Units; Lines Converge At Hinge Side Of Vent

# Hurricane Impact – 3 1/2” Projected

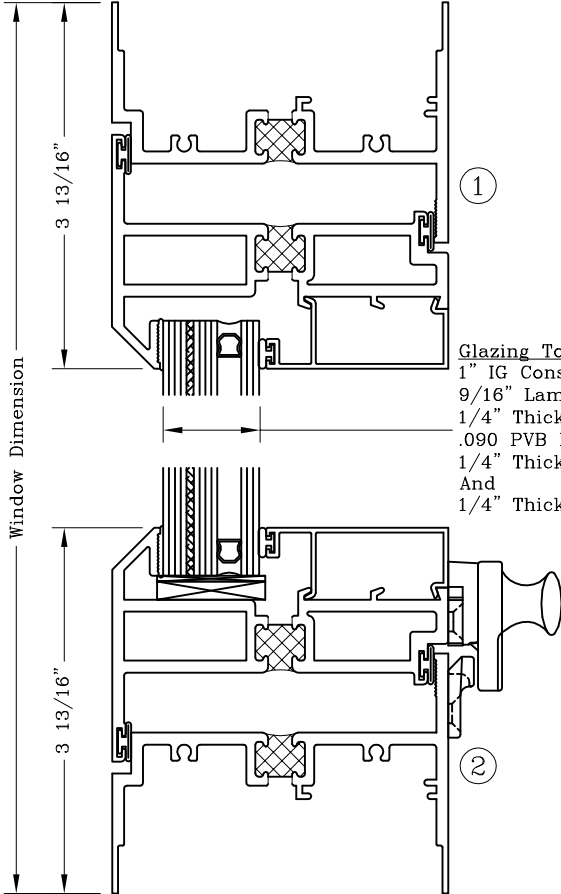


Series: HI6800

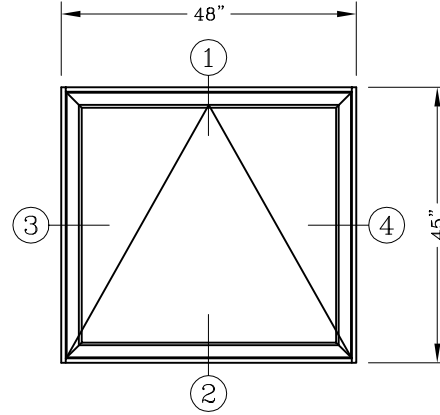
Manufacturing Code: HI6807

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

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.

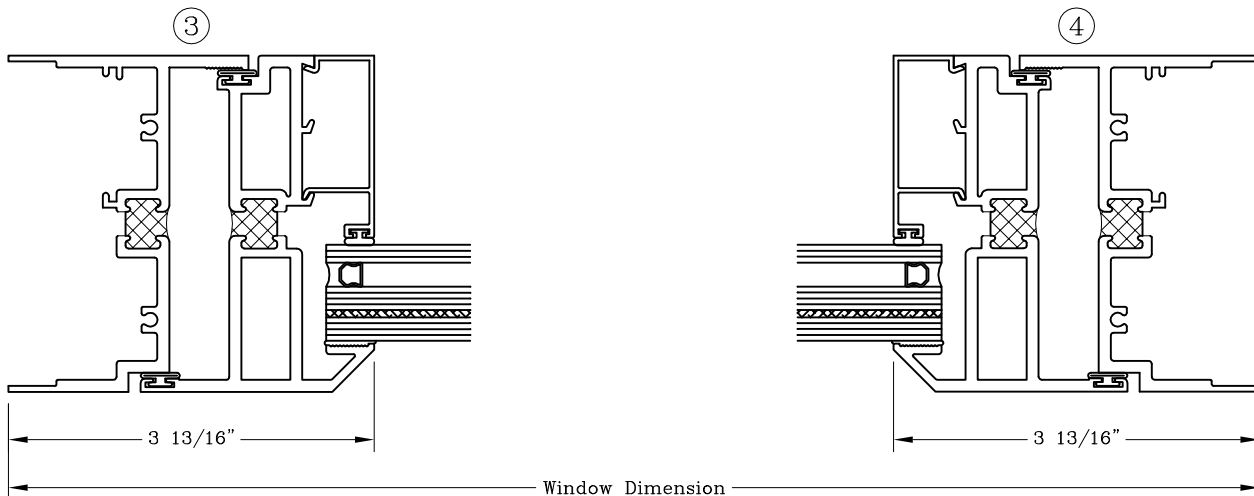


Glazing To Be:  
1" IG Consisting Of;  
9/16" Lami Consisting Of;  
1/4" Thick Annealed Exterior,  
.090 PVB Interlayer (Solutia),  
1/4" Thick Annealed Interior  
And  
1/4" Thick Annealed Interior



ELEVATION  
48" x 45" Tested

- INSTALLATION TYPES
1. Trim And Clip
  2. Receptor At Head And Jambs, And Sill Starter
  3. Pre-Set Panning And Trim Clip  
(Reference Test Report Pending)



Note: Dashed Lines Represent Inswing Vented Units Solid Lines Represent Outswing Vented Units; Lines Converge At Hinge Side Of Vent

# Hurricane Impact – 3 1/2” Casement With Guardian (Large Missile)

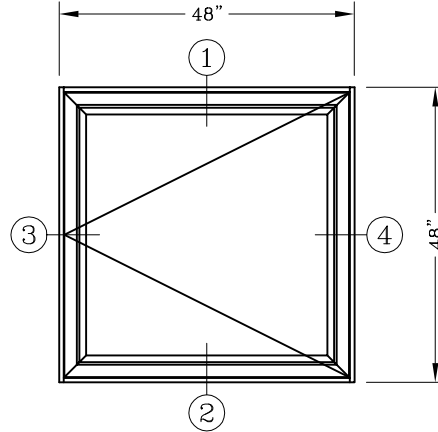
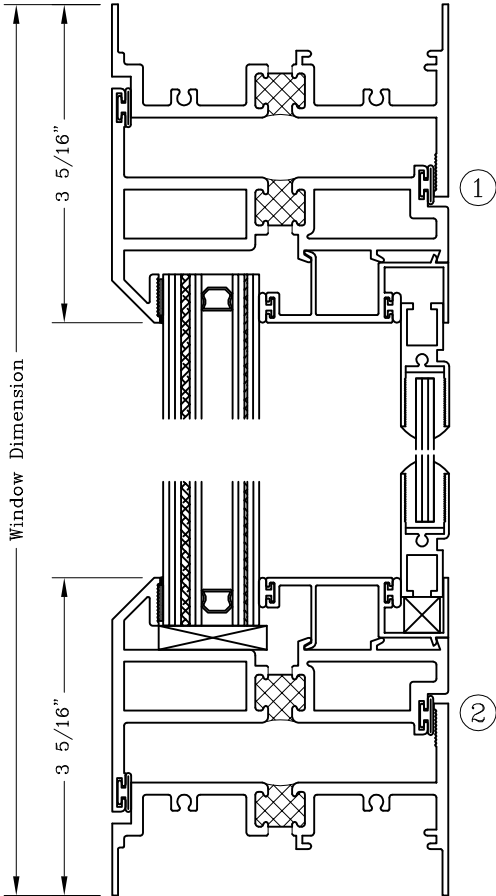


Series: HI6800

Manufacturing Code: HI6808

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

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.

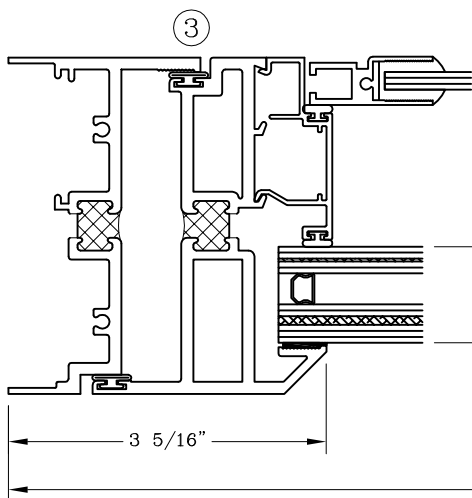


ELEVATION

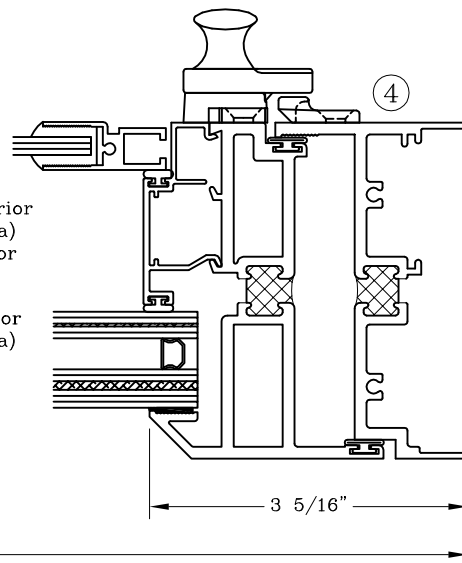
48" x 48" Tested

INSTALLATION TYPES

- 1. Trim And Clip  
(Reference Test Report #85406.01-109-18)



Glazing To Be:  
1" IG Consisting Of;  
5/16" Lami Consisting Of;  
3/16" Thick Annealed Exterior  
.090 PVB Interlayer (Solutia)  
1/8" Thick Annealed Interior  
And  
1/4" Lami Consisting Of;  
1/8" Thick Annealed Exterior  
.030 PVB Interlayer (Solutia)  
1/8" Annealed Interior  
And  
3/16" Thick Annealed  
Guardian Panel



Note: Dashed Lines Represent Inswing Vented Units Solid Lines Represent  
Outswing Vented Units; Lines Converge At Hinge Side Of Vent



# Hurricane Impact – 3 1/2” Fixed Over Projected (Large Missile)

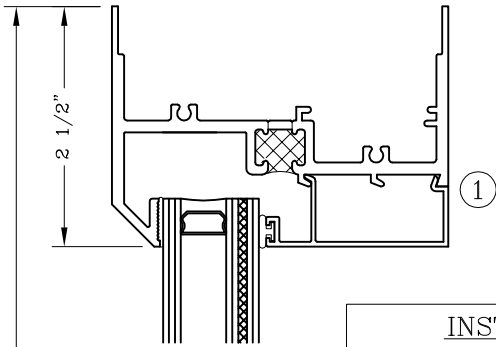


Series: HI6800

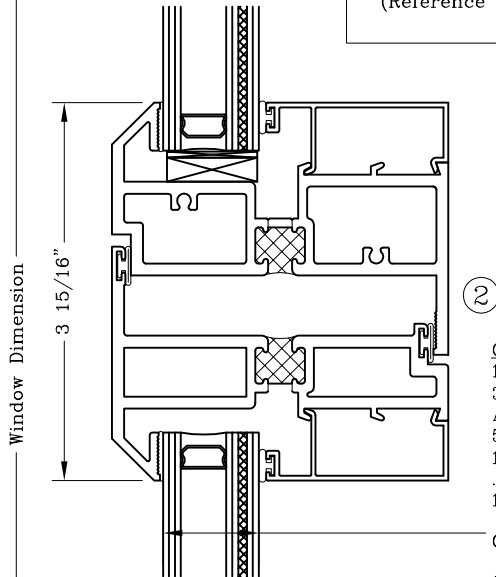
Manufacturing Code: HI6809

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

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.



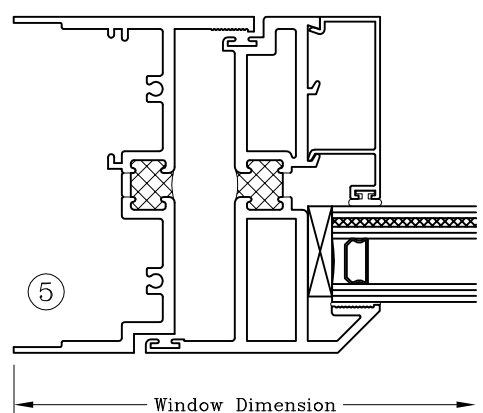
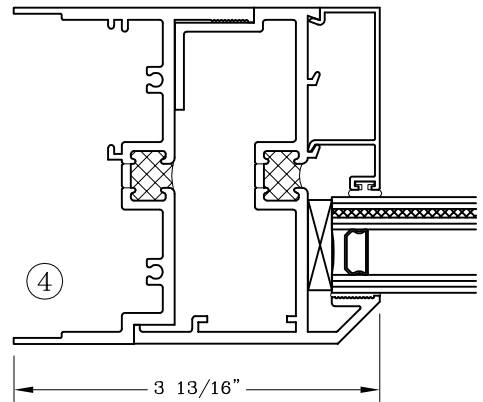
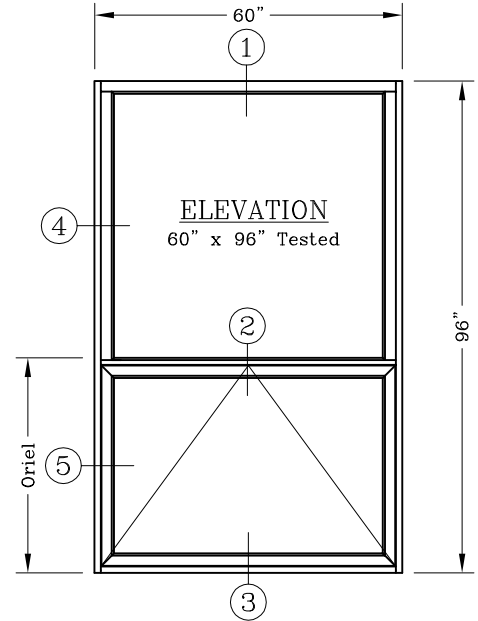
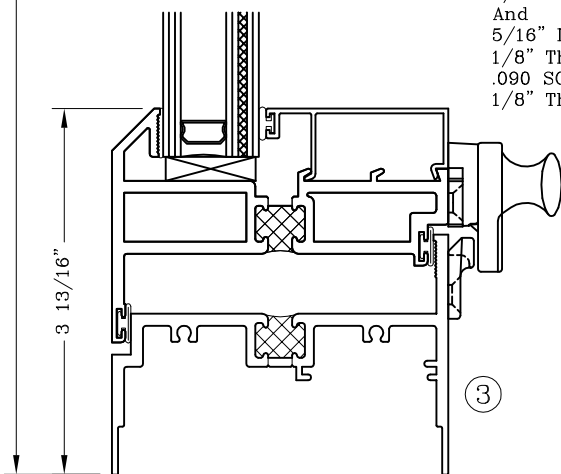
**INSTALLATION TYPES**  
1. Trim And Clip, Receptor/Sill Starter  
(Reference Test Report #1268.01-106-11)



Glazing To Be:  
1” I.G. Consisting Of;  
3/16” Thick Annealed Exterior  
And  
5/16” Lami Consisting Of;  
1/8” Thick Annealed Exterior  
.090 PVB Interlayer  
1/8” Thick Annealed Interior

OR

1” I.G. Consisting Of;  
3/16” Thick Annealed Exterior  
And  
5/16” Lami Consisting Of;  
1/8” Thick Annealed Exterior  
.090 SGP Interlayer  
1/8” Thick Annealed Interior



Note: Dashed Lines Represent Inswing Vented Units Solid Lines Represent  
Outswing Vented Units; Lines Converge At Hinge Side Of Vent

# Hurricane Impact – 3 1/2” Fixed Over Projected (Small Missile)

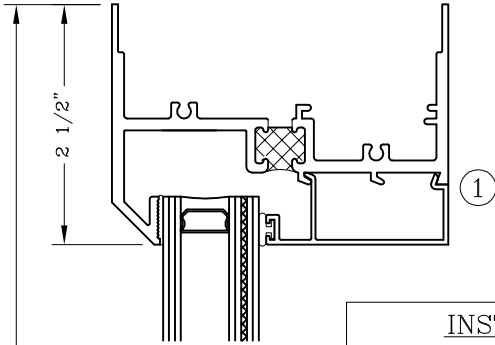


Series: HI6800

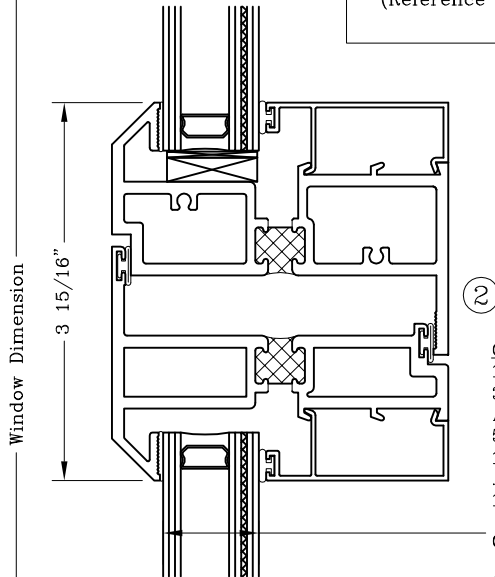
Manufacturing Code: HI6810

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

Note: Sealant Not Shown On Details. Refer To General Installation Instructions.



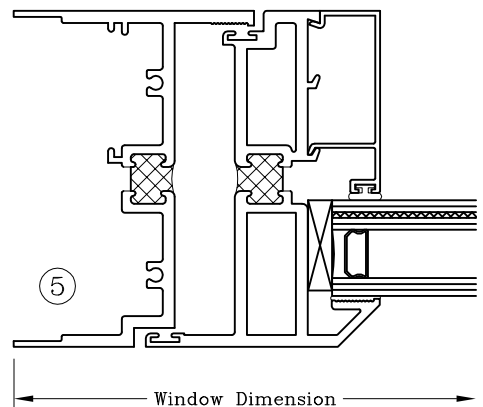
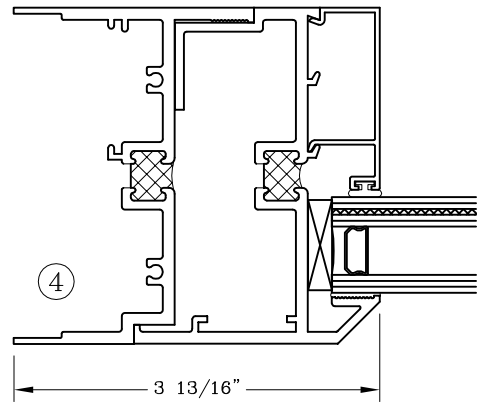
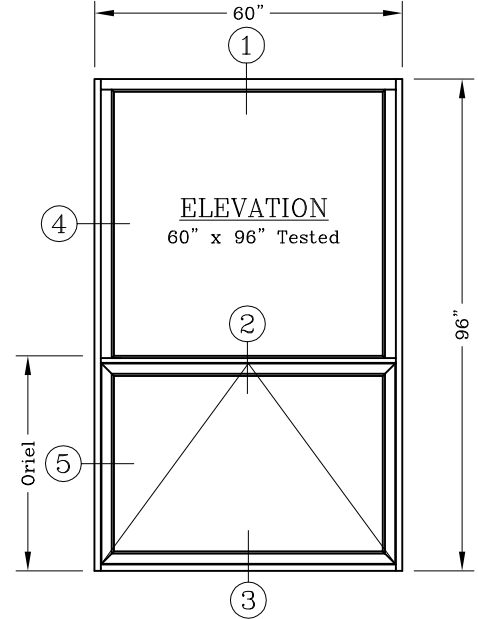
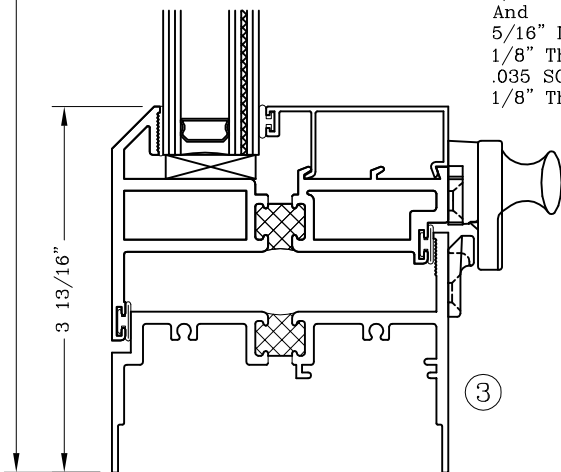
**INSTALLATION TYPES**  
1. Trim And Clip  
(Reference Test Report #1268.01-106-11)



Glazing To Be:  
1" I.G. Consisting Of;  
3/16" Thick Annealed Exterior  
And  
5/16" Lami Consisting Of;  
1/8" Thick Annealed Exterior  
.060 PVB Interlayer  
1/8" Thick Annealed Interior

OR

1" I.G. Consisting Of;  
3/16" Thick Annealed Exterior  
And  
5/16" Lami Consisting Of;  
1/8" Thick Annealed Exterior  
.035 SGP Interlayer  
1/8" Thick Annealed Interior



Note: Dashed Lines Represent Inswing Vented Units Solid Lines Represent  
Outswing Vented Units; Lines Converge At Hinge Side Of Vent