

CHAPTER 6

CLAD GLIDER

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NOTE:

Specifications and technical data are subject to change without notice.

Allow 1/16" (2) tolerance on all measurements.

Metric measurements are shown in parenthesis.

For accessories dimensions and applications see the Accessories section of this manual.

For technical assistance about Marvin products you may call our Architectural Hotline 1-800-346-3363 or visit our website: www.marvin.com.

CLAD GLIDER

UNIT FEATURES

Frame:

- Interior: Pine wood interior
- Exterior: Extruded aluminum, .055" (1.4) thick
- Frame thickness: Head 1 3/16" (30 mm)
- Frame thickness: Sill 1 3/32" (28mm)
- Frame width: 4 9/16" (116)

Sash:

- Interior: Pine wood interior
- Exterior: Extruded aluminum, 0.050" (1.3) thick
- Sash thickness: 1 3/8" (35 mm)
- Operating/Picture sash stile width: 2 5/32" (55)
- Operating/Picture sash Top rail width: 2 7/16" (62); Bottom Rail Width: 2 5/16" (59)
- Removable exterior vinyl glazing bead with extruded aluminum glazing cap on units with SDL or Evergreen color

Interior and exterior finish:

- Interior finish: Treated bare wood or white primed
- Exterior finish: Two coat finish system using Kynar® or Hylar® resins, meets or exceeds AAMA 2605 requirements. Color: Stone White, Bahama Brown, Bronze, Pebble Gray or Evergreen

Hardware:

- Lock: High pressure zinc die-cast cam lock and keeper at checkrail, two locks on call number 40 and over. Optional keyed lock. Finish: Phosphate coated and electrostatically painted Satin Taupe. Optional: Bronze, White, Plated Brass
- Sill track: Vinyl extrusion with foam backing. Color: Beige
- Finger pulls on operating sash

Weather Stripping:

- Continuous, leaf-type weather strip at jamb, dual durometer double leaf and secondary weather strip at meeting stile, and weather stripped sill track. Color: Beige

Jamb Extensions:

- Interior pine wood extensions available for various wall thickness factory applied, finish to match interior

Insect Screens:

- Aluminum Screens: Factory installed half screen, screen covers operating sash opening and is removable to interior. Frame Color: Satin Taupe. Optional Stone White or Bronze.
- Screen mesh: 18 by 16 Charcoal fiberglass. Optional screen mesh: Charcoal aluminum wire, Black aluminum wire, Bright aluminum wire, Bright bronze wire

Combination Storm Sash and Screen:

- Frame: Extruded Aluminum 0.055" (1.4) thick. Color: Stone White, Bronze, Bahama brown, Pebble Gray or Evergreen
- Hardware: Metal pulls on sliding storm panels
- Weather-stripping: Pile weather-strip on center cross member seals against operating panel in closed position

Removable Interior Grilles:

- Bar: Pine wood, 3/4" (19) or 1 1/8" (29) wide
- Pattern: Rectangular, custom lite layouts available, contact your Marvin representative

Interior / Exterior Simulated Divided Lites (SDL):

- Interior bar: Pine wood, 7/8" (22) or 1 1/8" (29) wide bars.
- Exterior bar: Extruded aluminum clad, 7/8" (22) or 1 1/8" (29) wide bars, finish to match exterior
- Pattern: Rectangular, custom lite layouts available, contact your Marvin representative
- Installation method: Factory applied with acrylic foam tape

Grilles-between-the-glass (GBG):

- 11/16" (17mm) white contoured aluminum bar. Optional flat aluminum spacer bar, contact your Marvin representative

Glass and Glazing:

- Glazing method: Insulated glass, hermetically sealed
- Glazing seal: Silicon glazed
- Glazing type: Clear glass, optional glass types: Low E II with argon, Laminated, Tempered, Obscure, Bronze tint, Gray tint, and Reflective Bronze
- Insulated glass will be altitude adjusted for higher elevations, argon gas not included

Accessories:

- Installation brackets: 6 3/8" (162), 9 3/8" (238), or 15 3/8" (390)
- Masonry brackets: 6" (152) or 10" (254)
- Nailing fin: Head jamb fin/drip cap, side jamb and sill fin. Head nailing fin with drip cap not designed to replace proper flashing
- Marvin SillGuard™
- Aluminum extrusions: Brick mould casing, Flat casing, Mullion cover, Frame expander, Mullion expander, Jamb extender

Note:

Values shown in parenthesis represent metric equivalents
For product specifications please refer to the CSI Product Specifications, contact your Marvin representative

CLAD GLIDER

NFRC UNIT VALUES / MINIMUM AND MAXIMUM MEASUREMENTS

| NFRC Unit Values | | | | | |
|---|----------------|----------------|-----------------------------|-----------------------------|-------------|
| Glazing Type | U-Factor | R-Value | Solar Heat Gain Coefficient | Visible Light Transmittance | Energy Star |
| Operating / Stationary | | | | | |
| Size Tested | 59 x 47 | 59 x 47 | 59 x 47 | 59 x 47 | |
| Insulating glass | 0.53 | 1.89 | 0.58 | 0.61 | - |
| Insulating glass - SDL | 0.52 | 1.92 | 0.52 | 0.54 | - |
| Insulating glass - SDL with spacer bars | 0.52 | 1.92 | 0.52 | 0.54 | - |
| Insulating Low E II glass | 0.43 | 2.33 | 0.32 | 0.53 | S |
| Insulating Low E II glass - SDL | 0.41 | 2.44 | 0.28 | 0.47 | S |
| Insulating Low E II glass - SDL with spacer bars | 0.42 | 2.38 | 0.28 | 0.47 | S |
| Insulating Low E II glass - Argon | 0.36 | 2.78 | 0.31 | 0.53 | NC, SC, S |
| Insulating Low E II glass - Argon, SDL | 0.36 | 2.78 | 0.28 | 0.47 | NC, SC, S |
| Insulating Low E II glass - Argon, SDL with spacer bars | 0.37 | 2.70 | 0.28 | 0.47 | NC, SC, S |
| Picture | | | | | |
| Size Tested | 48 x 48 | 48 x 48 | 48 x 48 | 48 x 48 | |
| Insulating glass | 0.55 | 1.82 | 0.59 | 0.51 | - |
| Insulating glass - SDL | 0.54 | 1.85 | 0.53 | 0.55 | - |
| Insulating glass - SDL with spacer bars | 0.54 | 1.85 | 0.54 | 0.55 | - |
| Insulating Low E II glass | 0.44 | 2.27 | 0.33 | 0.54 | S |
| Insulating Low E II glass - SDL | 0.42 | 2.38 | 0.30 | 0.48 | S |
| Insulating Low E II glass - SDL with spacer bars | 0.43 | 2.33 | 0.30 | 0.48 | S |
| Insulating Low E II glass - Argon | 0.39 | 2.56 | 0.33 | 0.54 | NC, SC, S |
| Insulating Low E II glass - Argon, SDL | 0.37 | 2.70 | 0.30 | 0.48 | NC, SC, S |
| Insulating Low E II glass - Argon, SDL with spacer bars | 0.38 | 2.63 | 0.30 | 0.48 | NC, SC, S |

NOTE:

Product Values are determined using the National Fenestration Rating Council (NFRC) Procedures for determining fenestration product values.

U-Value: (Btu/hr-sq ft-°F) Lower the U-Value, the greater the resistance to heat flow and better its insulating value.

R-Value: (1/U-Value) Higher the R-Value, the greater the resistance to heat flow and better its insulating value.

Visible Light Transmittance (VLT): Percentage of visible light transmitted through the unit.

Solar Heat Gain Coefficient (SHGC): The lower a window's SHGC, the less solar heat it transmits, and the greater its shading ability.

Capillary tubes are required for IG units at high elevations. Argon will not be furnished in units with capillary tubes. Contact the Architectural Department Hotline at (800-346-3363) for additional NFRC Unit Values.

| Minimum and Maximum Measurements | | | | | |
|---|------------------|-------------------|------------------|-------------------|------------------------------------|
| Glazing Type | Minimum RO Width | Minimum RO Height | Maximum RO Width | Maximum RO Height | Maximum Glass Square Feet |
| Operator | | | | | |
| Insulating Glass 3/4" | 31 1/4" (794) | 18 3/4" (476) | 96 1/2" (2451) | 72" (1829) | 30.2 Sq. feet (2.80 Sq. Meters) |
| Unit exceeding largest width of 72 1/2" (1842) cannot exceed a 48" (1219) R.O. height | | | | | |
| Triple Sash | | | | | |
| Insulating Glass 3/4" | 44 5/8" (1133) | 18 3/4" (476) | 120 1/2" (3061) | 60" (1524) | 40.2 Sq. feet (3.73 Sq. Meters) |
| Center sash will have a standard 46 7/8" (1191) glass width, flankers will be custom | | | | | |
| Picture | | | | | |
| Insulating Glass | 18" (457) | 18 3/4" (476) | 72 1/2" (1842) | 72" (1829) | 25.0 Sq. feet (2.32 Sq. Meters) |
| Clad Evergreen units subject to size restrictions contact your Marvin representative | | | | | |

CLAD GLIDER

EGRESS, LITE & VENT MEASUREMENTS / DESIGN PRESSURE VALUES

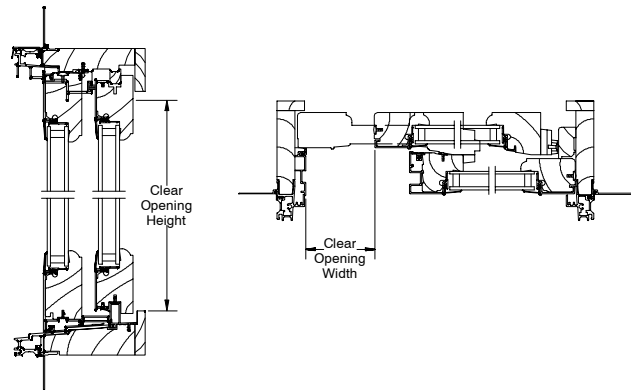
| Egress, Lite and Vent Measurements - Glider | | | | | | |
|---|-------------------|---------------------|----------------------|----------------------|--------------|------------------|
| Call # | Total Square Feet | Clear Opening Width | Clear Opening Height | Floor to Sill Height | Vent Opening | Lite (Both Sash) |
| Egress Openings | | | | | | |
| 3020 | 1.99 | 14.25 | 20.06 | 60.38 | 1.99 | 3.15 |
| 3030 | 3.17 | 14.25 | 32.06 | 48.38 | 3.17 | 5.46 |
| 3036 | 3.77 | 14.25 | 38.06 | 42.38 | 3.77 | 6.61 |
| 3040 | 4.36 | 14.25 | 44.06 | 36.38 | 4.36 | 7.76 |
| 3050 | 5.55 | 14.25 | 56.06 | 24.38 | 5.55 | 10.06 |
| 4020 | 2.82 | 20.25 | 20.06 | 60.38 | 2.82 | 4.52 |
| 4030 | 4.51 | 20.25 | 32.06 | 48.38 | 4.51 | 7.83 |
| 4036 | 5.35 | 20.25 | 38.06 | 42.38 | 5.35 | 9.48 |
| 4040* | 6.20 | 20.25 | 44.06 | 36.38 | 6.20 | 11.13 |
| 4050* | 7.88 | 20.25 | 56.06 | 24.38 | 7.88 | 14.43 |
| 5030** | 5.84 | 26.25 | 32.06 | 48.38 | 5.84 | 10.20 |
| 5036* | 6.94 | 26.25 | 38.06 | 42.38 | 6.93 | 12.35 |
| 5040* | 8.03 | 26.25 | 44.06 | 36.38 | 8.03 | 14.50 |
| 5050* | 10.22 | 26.25 | 56.06 | 24.38 | 10.22 | 18.80 |
| 6030** | 7.18 | 32.25 | 32.06 | 48.38 | 7.18 | 12.56 |
| 6036* | 8.52 | 32.25 | 38.06 | 42.38 | 8.52 | 15.22 |
| 6040* | 9.87 | 32.25 | 44.06 | 36.38 | 9.87 | 17.87 |
| 6050* | 12.56 | 32.25 | 56.06 | 24.38 | 12.56 | 23.17 |
| 8030 | 4.69 | 21.06 | 32.06 | 48.38 | 9.38 | 16.87 |
| 8036 | 5.57 | 21.06 | 38.06 | 42.38 | 11.14 | 20.43 |
| 8040* | 6.44 | 21.06 | 44.06 | 36.38 | 12.88 | 23.99 |
| 8050* | 8.20 | 21.06 | 56.06 | 24.38 | 16.40 | 31.11 |

NOTE

* These windows meet national egress codes for fire evacuation. Local codes may differ.

** These windows must be installed lower in the wall to meet the required floor to sill height of 44".

Floor to sill height is based on 6' - 10 1/4" from finished floor to rough opening header. Egress widths represent standard operating hardware.



International Building Code - 2000

Section 1009 Emergency Escape and Rescue

1009.2 Minimum size: Emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.53 m²). Exception: The minimum net clear opening for emergency escape and rescue openings on the ground level at grade is 5.0 square feet (0.46 m²).

1009.2.1 Minimum dimensions: The minimum net clear opening height dimension shall be 24 inches (610 mm). The net clear opening width dimension shall be 20 inches (508 mm). The net clear opening dimensions shall be the result of normal operation of the opening.

1009.3 Maximum height from the floor: Emergency escape and rescue opening shall have the bottom of the clear opening not greater than 44 inches (1118 mm) measured from the floor.

1009.4 Operational constraints: Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools. Bars, grilles, grates, or similar devices are permitted to be placed over emergency escape and rescue openings provided the minimum net clear opening size complies with Section 1009.2 and such devices shall be releasable or removable from the inside without the use of a key, tool, or force greater than that which is required for normal operation of the escape and rescue opening.

Code restrictions may vary depending on your local building codes.

| Design Pressure Values - Glider | | | | |
|---------------------------------|--------------|-------|-------|-------|
| Call # | 30 | 40 | 50 | 60 |
| | Width | | | |
| 20 | DP 35 | DP 35 | DP 35 | DP 35 |
| 30 | DP 35 | DP 35 | DP 35 | DP 35 |
| 36 | DP 35 | DP 35 | DP 35 | DP 35 |
| 40 | DP 35 | DP 35 | DP 35 | DP 35 |
| 50 | DP 35 | DP 35 | DP 35 | DP 35 |

NOTE:

Design Pressure values represent Pounds Per Square Foot (PSF). Values indicated represent standard units only. Refer to the Product Performance and Information section for additional information on Design Pressures.

CLAD GLIDER

MEASUREMENT CONVERSIONS

| Measurement Conversions - Glider | | | | | | | | | | | | | | |
|---|------------------------|---------------------|----------------|---------------------|----------------------------------|---|------------------------------------|-----------------------|------------------------|-----------------------|---------------------|-----------------------|-------------------------|------------------------|
| Size Referenced | Daylight Opening (DLO) | Glass Size (GS) | Frame Size | Rough Opening | Masonry Opening (Without Casing) | Masonry Opening (With Brick Mould Casing) | Masonry Opening (With Flat Casing) | | | | | | | |
| Dimension Needed | | | | | | | | | | | | | | |
| Daylight Opening (DLO) | Width | | + 1 1/16" (27) | Width | DLO x 2 + 7 7/8" (200) | Width | DLO x 2 + 8 7/8" (225) | Width | DLO x 2 + 8 3/8" (213) | Width | DLO x 2 + 11" (279) | Width | DLO x 2 + 14 3/8" (365) | |
| | Height | | + 1 1/16" (27) | Height | + 7 1/16" (179) | Height | + 7 9/16" (192) | Height | + 7 5/16" (167) | Height | + 9 1/4" (235) | Height | + 10 15/16" (278) | |
| Glass Size (GS) | Width | - 1 1/16" (27) | | | Width | GS x 2 + 5 3/4" (146) | Width | GS x 2 + 6 3/4" (171) | Width | GS x 2 + 6 1/4" (159) | Width | GS x 2 + 8 7/8" (225) | Width | GS x 2 + 12 1/4" (311) |
| | Height | - 1 1/16" (27) | | | Height | + 6" (152) | Height | + 6 1/2" (165) | Height | + 6 1/4" (159) | Height | + 8 3/16" (208) | Height | + 9 7/8" (251) |
| Frame Size | Width | - 7 7/8" + 2 (200) | Width | - 5 3/4" + 2 (146) | | | Width | + 1" (25) | Width | + 1/2" (13) | Width | + 3 1/8" (79) | Width | + 6 1/2" (165) |
| | Height | - 7 1/16" (179) | Height | - 6" (152) | | | Height | + 1/2" (13) | Height | + 1/4" (6) | Height | + 2 3/16" (56) | Height | + 3 7/8" (83) |
| Rough Opening | Width | - 8 7/8" + 2 (225) | Width | - 6 3/4" + 2 (171) | Width | - 1" (25) | | | Width | - 1/2" (13) | Width | + 2 1/8" (54) | Width | + 5 1/2" (140) |
| | Height | - 7 9/16" (192) | Height | - 6 1/2" (165) | Height | - 1/2" (13) | | | Height | - 1/4" (6) | Height | + 1 11/16" (43) | Height | + 3 3/8" (86) |
| Masonry Opening (Without Casing) | Width | - 8 3/8" + 2 (213) | Width | - 6 1/4" + 2 (159) | Width | - 1/2" (13) | Width | + 1/2" (13) | | | Width | + 2 5/8" (67) | Width | + 6" (152) |
| | Height | - 7 5/16" (186) | Height | - 6 1/4" (159) | Height | - 1/4" (6) | Height | + 1/4" (6) | | | Height | + 1 15/16" (49) | Height | + 3 5/8" (92) |
| Masonry Opening (With Brick Mould Casing) | Width | - 11" + 2 (279) | Width | - 8 7/8" + 2 (225) | Width | - 3 1/8" (79) | Width | - 2 1/8" (54) | Width | - 2 5/8" (67) | | | Width | + 3 3/8" (86) |
| | Height | - 9 1/4" (235) | Height | - 8 3/16" (208) | Height | - 2 3/16" (56) | Height | - 1 11/16" (43) | Height | - 1 15/16" (49) | | | Height | + 1 11/16" (43) |
| Masonry Opening (With Flat Casing) | Width | - 14 3/8" + 2 (365) | Width | - 12 1/4" + 2 (311) | Width | - 6 1/2" (165) | Width | - 5 1/2" (140) | Width | - 6" (152) | Width | - 3 3/8" (86) | | |
| | Height | - 10 15/16" (278) | Height | - 9 7/8" (251) | Height | - 3 7/8" (98) | Height | - 3 3/8" (73) | Height | - 3 5/8" (92) | Height | - 1 11/16" (43) | | |

NOTE:
Conversions represent units without dividers. Contact Marvin's for additional conversions.

Egress Conversions

Glass Size Width - 5/8" (16) Glass Size Height: + 2 9/16" (65)
Rough Opening Width / 2 - 4" (102) Rough Opening Height: - 3 15/16" (100)

CLAD GLIDER

MEASUREMENT CONVERSIONS

| Measurement Conversions - Picture | | | | | | | | | | | | | | |
|---|------------------|-------------------|--------|------------------|--------|------------------|--------|----------------------------------|--------|---|--------|------------------------------------|--------|-------------------|
| Size Referenced | Daylight Opening | Glass Size | | Frame Size | | Rough Opening | | Masonry Opening (Without Casing) | | Masonry Opening (With Brick Mould Casing) | | Masonry Opening (With Flat Casing) | | |
| Dimension Needed | | | | | | | | | | | | | | |
| Daylight Opening | | | Width | + 1 1/16" (27) | Width | + 5 25/32" (145) | Width | + 6 25/32" (172) | Width | + 6 9/32" (160) | Width | + 8 29/32" (226) | Width | + 12 9/32" (312) |
| | | | Height | + 1 1/16" (27) | Height | + 7 1/16" (179) | Height | + 7 9/16" (192) | Height | + 7 5/16" (167) | Height | + 9 1/4" (235) | Height | + 10 15/16" (278) |
| Glass Size | Width | - 1 1/16" (27) | | | Width | + 4 23/32" (120) | Width | + 5 23/32" (145) | Width | + 5 7/32" (133) | Width | + 7 27/32" (199) | Width | + 11 7/32" (285) |
| | Height | - 1 1/16" (27) | | | Height | + 6" (152) | Height | + 6 1/2" (165) | Height | + 6 1/4" (159) | Height | + 8 3/16" (208) | Height | + 9 7/8" (251) |
| Frame Size | Width | - 5 25/32" (145) | Width | - 4 23/32" (120) | | | Width | + 1" (25) | Width | + 1/2" (13) | Width | + 3 1/8" (79) | Width | + 6 1/2" (165) |
| | Height | - 7 1/16" (179) | Height | - 6" (152) | | | Height | + 1/2" (13) | Height | + 1/4" (6) | Height | + 2 3/16" (56) | Height | + 3 7/8" (83) |
| Rough Opening | Width | - 6 25/32" (172) | Width | - 5 23/32" (145) | Width | - 1" (25) | | | Width | - 1/2" (13) | Width | + 2 1/8" (54) | Width | + 5 1/2" (140) |
| | Height | - 7 9/16" (192) | Height | - 6 1/2" (165) | Height | - 1/2" (13) | | | Height | - 1/4" (6) | Height | + 1 11/16" (43) | Height | + 3 3/8" (86) |
| Masonry Opening (Without Casing) | Width | - 6 9/32" (160) | Width | - 5 7/32" (133) | Width | - 1/2" (13) | Width | + 1/2" (13) | | | Width | + 2 5/8" (67) | Width | + 6" (152) |
| | Height | - 7 5/16" (186) | Height | - 6 1/4" (159) | Height | - 1/4" (6) | Height | + 1/4" (6) | | | Height | + 1 15/16" (49) | Height | + 3 5/8" (92) |
| Masonry Opening (With Brick Mould Casing) | Width | - 8 29/32" (235) | Width | - 7 27/32" (199) | Width | - 3 1/8" (79) | Width | - 2 1/8" (54) | Width | - 2 5/8" (67) | | | Width | + 3 3/8" (86) |
| | Height | - 9 1/4" (235) | Height | - 8 3/16" (208) | Height | - 2 3/16" (56) | Height | - 1 11/16" (43) | Height | - 1 15/16" (49) | | | Height | + 1 11/16" (43) |
| Masonry Opening (With Flat Casing) | Width | - 12 9/32" (312) | Width | - 11 7/32" (285) | Width | - 6 1/2" (165) | Width | - 5 1/2" (140) | Width | - 6" (152) | Width | - 3 3/8" (86) | | |
| | Height | - 10 15/16" (278) | Height | - 9 7/8" (251) | Height | - 3 7/8" (98) | Height | - 3 3/8" (73) | Height | - 3 5/8" (92) | Height | - 1 11/16" (43) | | |

NOTE:
Conversions represent units without dividers. Contact Marvin's for additional conversions.

CLAD GLIDER

MEASUREMENT CONVERSIONS

| Measurement Conversions - Triple Sash | | | | | | | | | | | | | | | | | | |
|---|------------------------|--|-------------------|--------|------------|----------------------------|---------------|--|----------------------------------|--------|---|----------------------------|------------------------------------|--|----------------------------|--------|--|----------------------------|
| Size Referenced | Daylight Opening (DLO) | | Glass Size (GS) | | Frame Size | | Rough Opening | | Masonry Opening (Without Casing) | | Masonry Opening (With Brick Mould Casing) | | Masonry Opening (With Flat Casing) | | | | | |
| Daylight Opening (DLO) | Dimension Needed | | | | | | | | | | | | | | | | | |
| | Width | | + 1 1/16" (27) | Width | | ALL DLO'S + 10 1/16" (256) | Width | | ALL DLO'S + 11 1/16" (281) | Width | | ALL DLO'S + 10 9/16" (268) | Width | | ALL DLO'S + 13 3/16" (335) | Width | | ALL DLO'S + 16 9/16" (167) |
| Glass Size (GS) | Height | | + 1 1/16" (27) | Height | | + 7 1/16" (179) | Height | | + 7 9/16" (192) | Height | | + 7 5/16" (167) | Height | | + 9 1/4" (235) | Height | | + 10 15/16" (278) |
| | Width | | - 1 1/16" (27) | Width | | ALL GS + 6 7/8" (175) | Width | | ALL GS + 7 7/8" (200) | Width | | ALL GS + 7 3/8" (187) | Width | | ALL GS + 10" (254) | Width | | ALL GS + 13 3/8" (340) |
| Frame Size | Height | | - 1 1/16" (27) | Height | | + 6" (152) | Height | | + 6 1/2" (165) | Height | | + 6 1/4" (159) | Height | | + 8 3/16" (208) | Height | | + 9 7/8" (251) |
| | Width | | - 10 1/16" (256)* | Width | | - 6 7/8" (175)* | Width | | + 1" (25) | Width | | + 1/2" (13) | Width | | + 3 1/8" (79) | Width | | + 6 1/2" (165) |
| Rough Opening | Height | | - 7 1/16" (179) | Height | | - 6" (152) | Height | | + 1/2" (13) | Height | | + 1/4" (6) | Height | | + 2 3/16" (56) | Height | | + 3 7/8" (83) |
| | Width | | - 11 1/16" (281)* | Width | | - 7 7/8" (200)* | Width | | - 1" (25) | Width | | - 1/2" (13) | Width | | + 2 1/8" (54) | Width | | + 5 1/2" (140) |
| Masonry Opening (Without Casing) | Height | | - 7 9/16" (192) | Height | | - 6 1/2" (165) | Height | | - 1/2" (13) | Height | | - 1/4" (6) | Height | | + 1 11/16" (43) | Height | | + 3 3/8" (86) |
| | Width | | - 10 9/16" (268)* | Width | | - 7 3/8" (187)* | Width | | - 1/2" (13) | Width | | + 1/2" (13) | Width | | + 2 5/8" (67) | Width | | + 6" (152) |
| Masonry Opening (With Brick Mould Casing) | Height | | - 7 5/16" (186) | Height | | - 6 1/4" (159) | Height | | - 1/4" (6) | Height | | + 1/4" (6) | Height | | + 1 15/16" (49) | Height | | + 3 5/8" (92) |
| | Width | | - 13 3/16" (335)* | Width | | - 10" (254)* | Width | | - 3 1/8" (79) | Width | | - 2 1/8" (54) | Width | | - 2 5/8" (67) | Width | | + 3 3/8" (86) |
| Masonry Opening (With Flat Casing) | Height | | - 9 1/4" (235) | Height | | - 8 3/16" (208) | Height | | - 2 3/16" (56) | Height | | - 1 11/16" (43) | Height | | - 1 15/16" (49) | Height | | + 1 11/16" (43) |
| | Width | | - 16 9/16" (421)* | Width | | - 13 3/8" (340)* | Width | | - 6 1/2" (165) | Width | | - 5 1/2" (140) | Width | | - 6" (152) | Width | | - 3 3/8" (86) |
| Masonry Opening (With Flat Casing) | Height | | - 10 15/16" (278) | Height | | - 9 7/8" (251) | Height | | - 3 7/8" (98) | Height | | - 3 3/8" (73) | Height | | - 3 5/8" (92) | Height | | - 1 11/16" (43) |

NOTE:

Conversions represent units without dividers. Contact Marvin's for additional conversions.

* Triple Sash Glider standard glass size on flankers is 20 7/8" (530). Maximum glass size on Center Sash is 46 7/8" (1191)

If measurements are different, contact your Marvin Architectural Department.

CLAD GLIDER


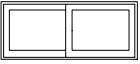
















ELEVATIONS: OPERATING / TRIPLE SASH / PICTURE

NOT TO SCALE

CAUTION: It is recommended that a minimum of 1/4" be added to the rough opening height when using a rigid sill pan product such as Marvin SillGuard™.

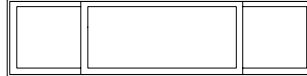
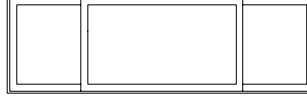


Glider

| | | | | |
|------------|----------------|-----------------|-----------------|-----------------|
| Mas. Opp. | 3-0 (914) | 4-0 (1219) | 5-0 (1524) | 6-0 (1829) |
| Rgh. Opp. | 3-0 1/2 (927) | 4-0 1/2 (1232) | 5-0 1/2 (1537) | 6-0 1/2 (1842) |
| Frame Size | 2-11 1/2 (902) | 3-11 1/2 (1207) | 4-11 1/2 (1511) | 5-11 1/2 (1816) |
| Glass Size | 14 7/8" (378) | 20 7/8" (530) | 26 7/8" (683) | 32 7/8" (835) |

| | | | | |
|---|--|--|--|--|
| 1-11 3/4 (603) 2-0 (610) 2-0 (610) 1-11 1/2 (597) 17 1/2" (445) |  |  | | |
| 2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 29 1/2" (749) |  |  |  |  |
| 3-5 3/4 (1060) 3-6 (1067) 3-5 1/2 (1054) 35 1/2" (902) |  |  |  |  |
| 3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 41 1/2" (1054) |  |  |  |  |
| 4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 53 1/2" (1359) |  |  |  |  |




















Triple Sash

| | | |
|-----------------|----------------|---------------|
| 8-0 (2438) | | |
| 8-0 1/2 (2451) | | |
| 7-11 1/2 (2426) | | |
| 20 7/8" (530) | 46 7/8" (1191) | 20 7/8" (530) |

| |
|--|
|  |
|  |
|  |
|  |

Glider Picture

| | | | | |
|------------|----------------|-----------------|-----------------|-----------------|
| Mas. Opp. | 3-0 (914) | 4-0 (1219) | 5-0 (1524) | 6-0 (1829) |
| Rgh. Opp. | 3-0 1/2 (927) | 4-0 1/2 (1232) | 5-0 1/2 (1537) | 6-0 1/2 (1842) |
| Frame Size | 2-11 1/2 (902) | 3-11 1/2 (1207) | 4-11 1/2 (1511) | 5-11 1/2 (1816) |
| Glass Size | 30 3/4" (781) | 42 3/4" (1086) | 54 3/4" (1391) | 66 3/4" (1695) |

| | | | | |
|---|---|---|---|---|
| 1-11 3/4 (603) 2-0 (610) 2-0 (610) 1-11 1/2 (597) 17 1/2" (445) |  |  |  |  |
| 2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 29 1/2" (749) |  |  |  |  |
| 3-5 3/4 (1060) 3-6 (1067) 3-5 1/2 (1054) 35 1/2" (902) |  |  |  |  |
| 3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 41 1/2" (1054) |  |  |  |  |
| 4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 53 1/2" (1359) |  |  |  |  |

NOTE:

* These units meet national egress codes for fire evacuation. Local codes may differ.

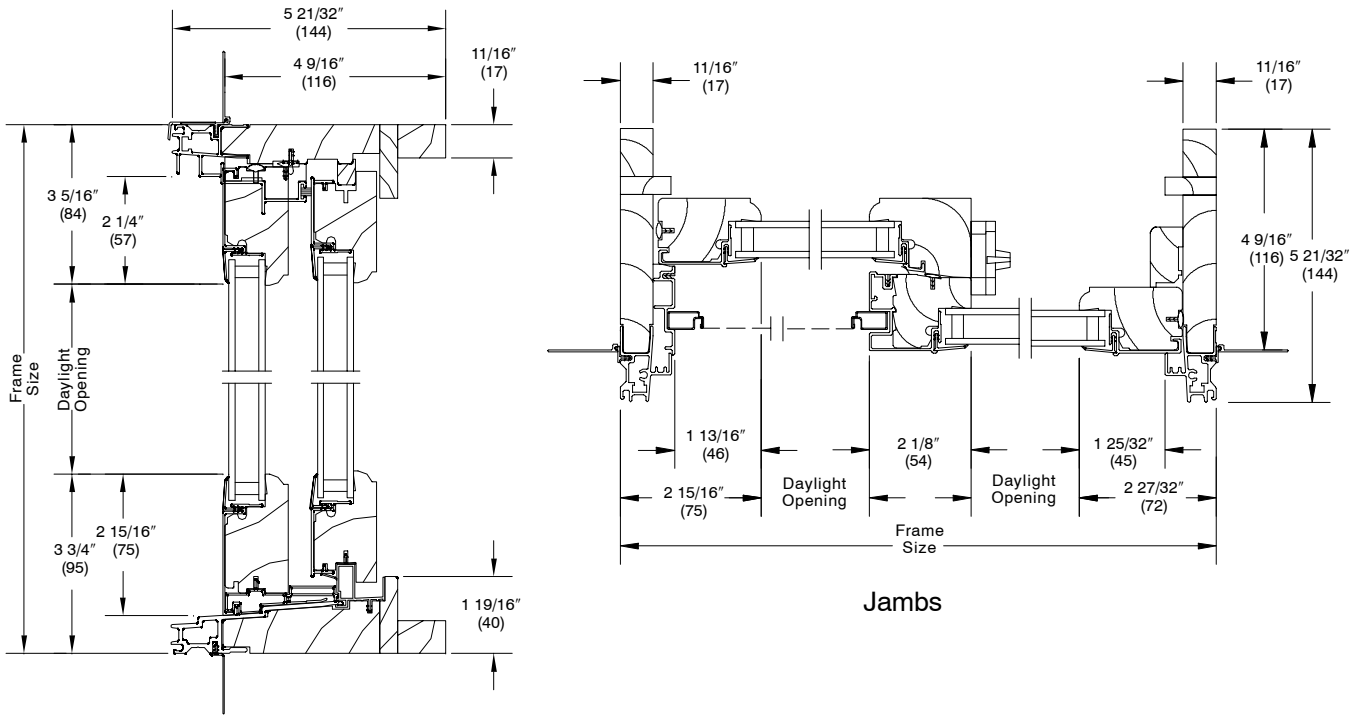
** These windows must be installed lower in the wall to meet the required floor to sill height of 44".

CLAD GLIDER

SECTION DETAILS: OPERATING / TRIPLE SASH

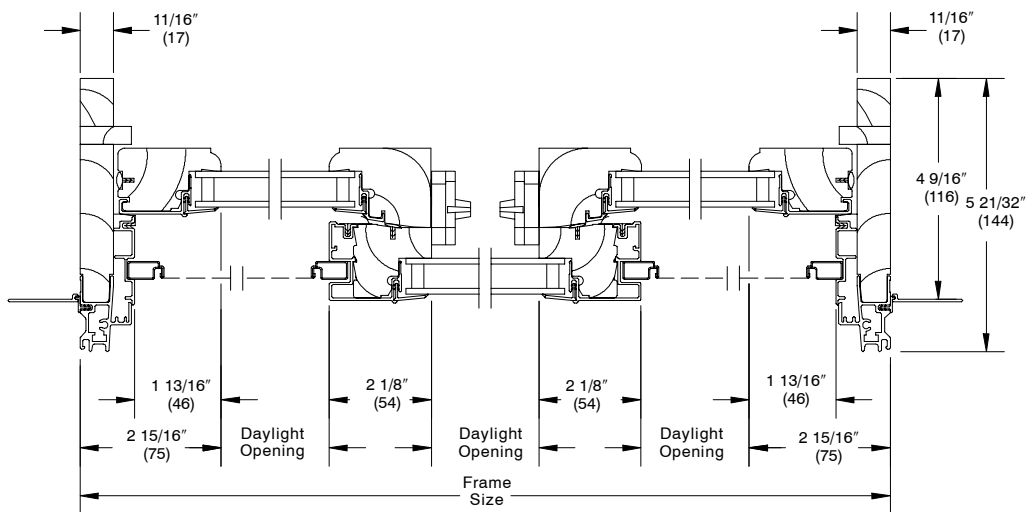
SCALE: 3" = 1' 0"

Operating



Head Jamb and Sill

Triple Sash



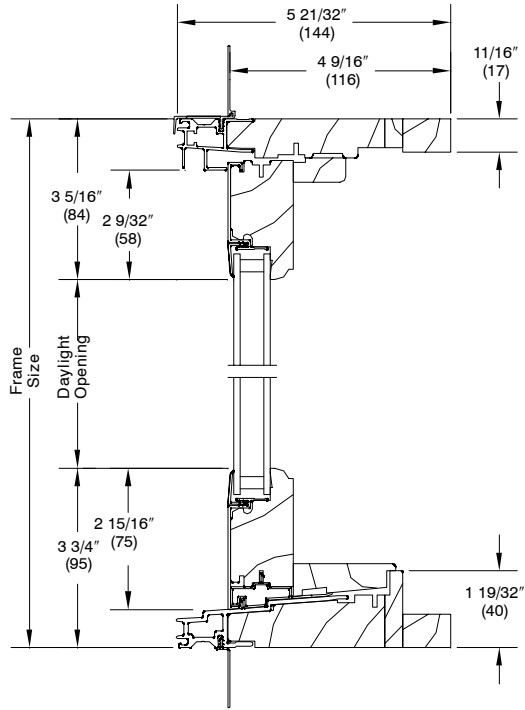
Jamb

CLAD GLIDER

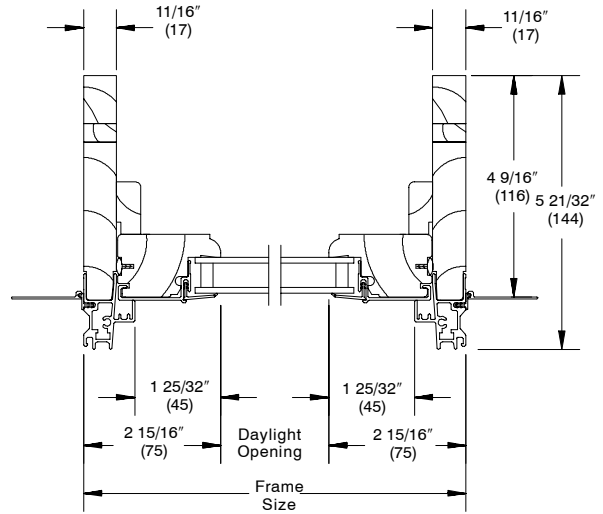
SECTION DETAILS: PICTURE / CASINGS

SCALE: 3" = 1' 0"

Picture

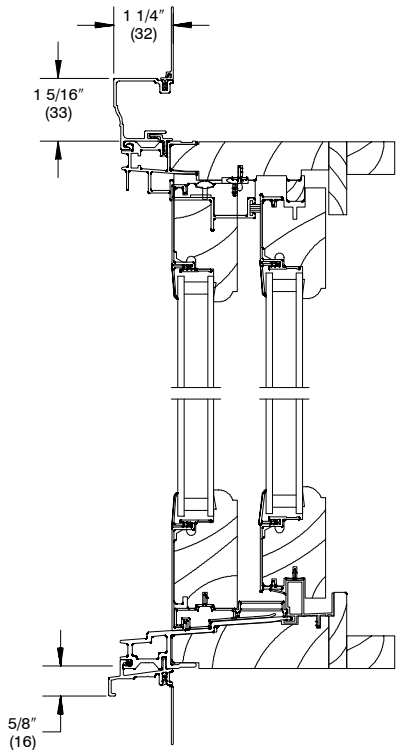


Head Jamb and Sill

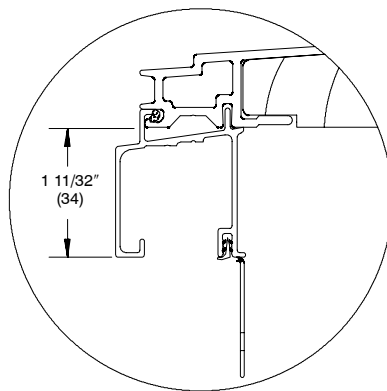


Jamb

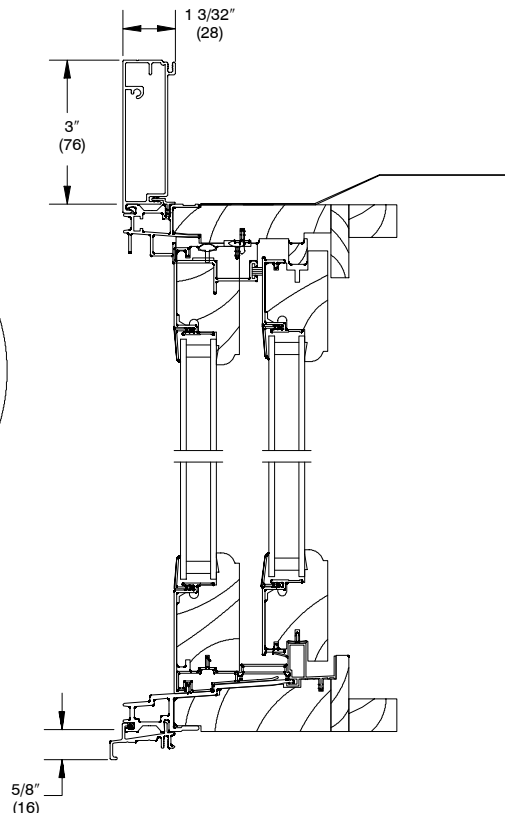
Casing Options



Head Jamb and Sill
with Clad Brick Mould Casing



Sill with 2"
extruded subsill



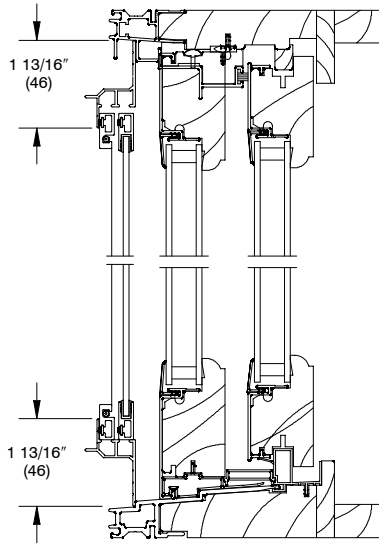
Head Jamb and Sill
with Clad Flat Casing

CLAD GLIDER

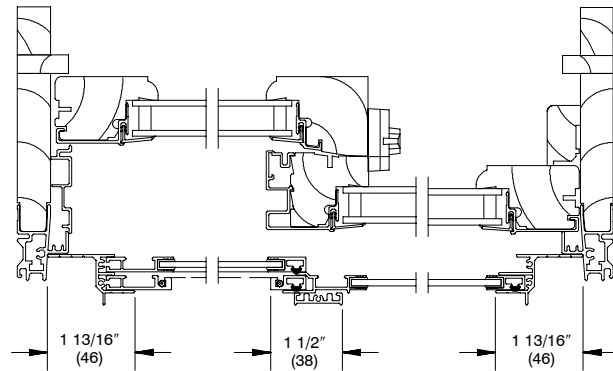
SECTION DETAILS: COMBINATION / MULLIONS

SCALE: 3" = 1' 0"

Combination

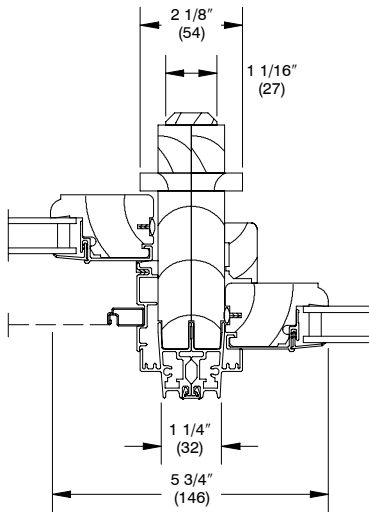


Head Jamb and Sill

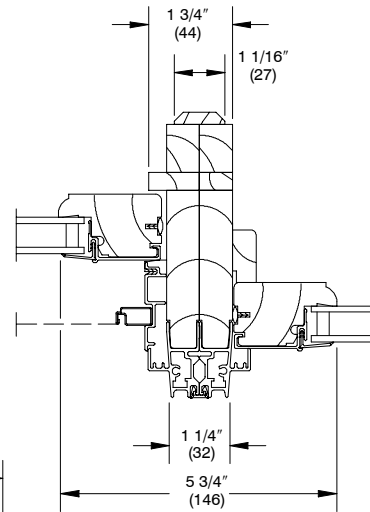


Jamb

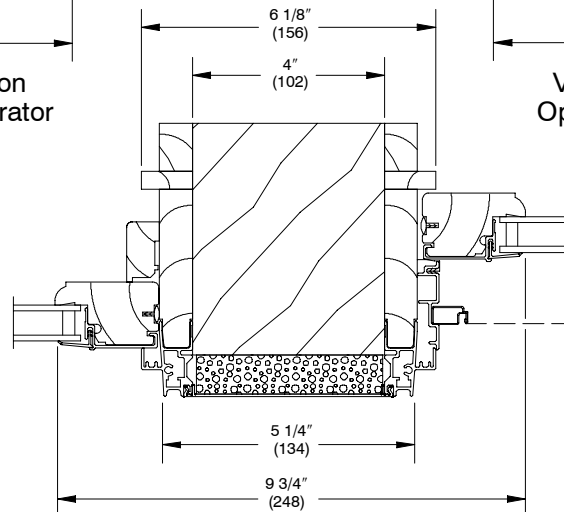
Mullions



Vertical Mullion
Operator / Operator



Vertical Mullion
Operator / Picture



Vertical Mullion
Operator with 4" Space Mull

NOTE:

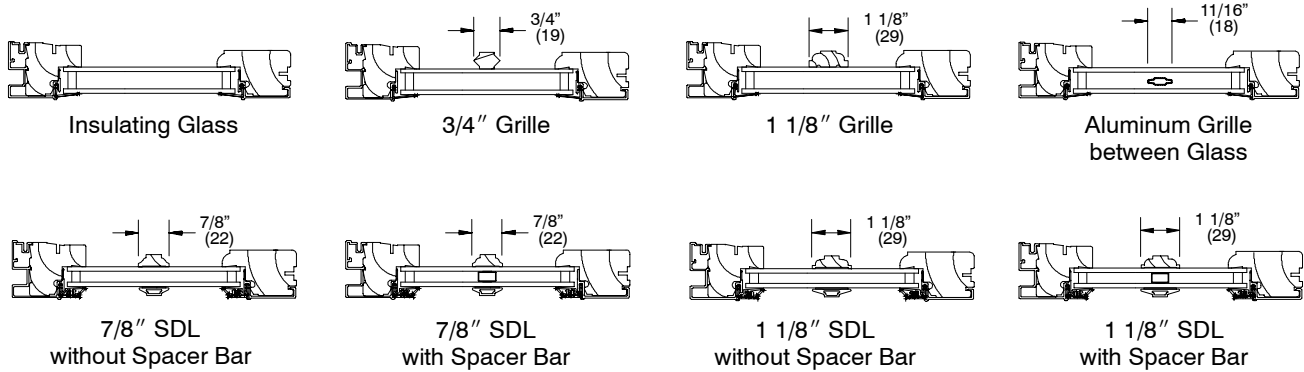
For information on structural mullions refer to the Product Performance and Information section.

CLAD GLIDER

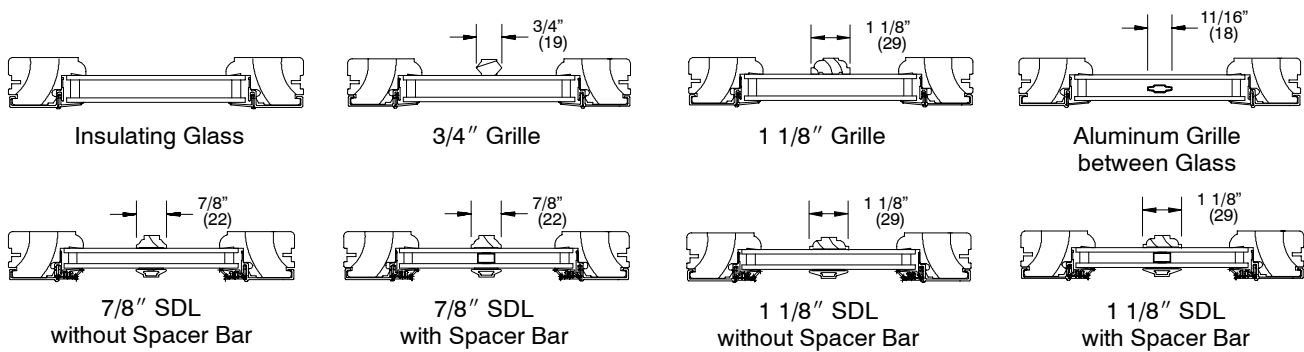
SECTION DETAILS: DIVIDED LITE OPTIONS

NOT TO SCALE

Insulating Glass



Picture



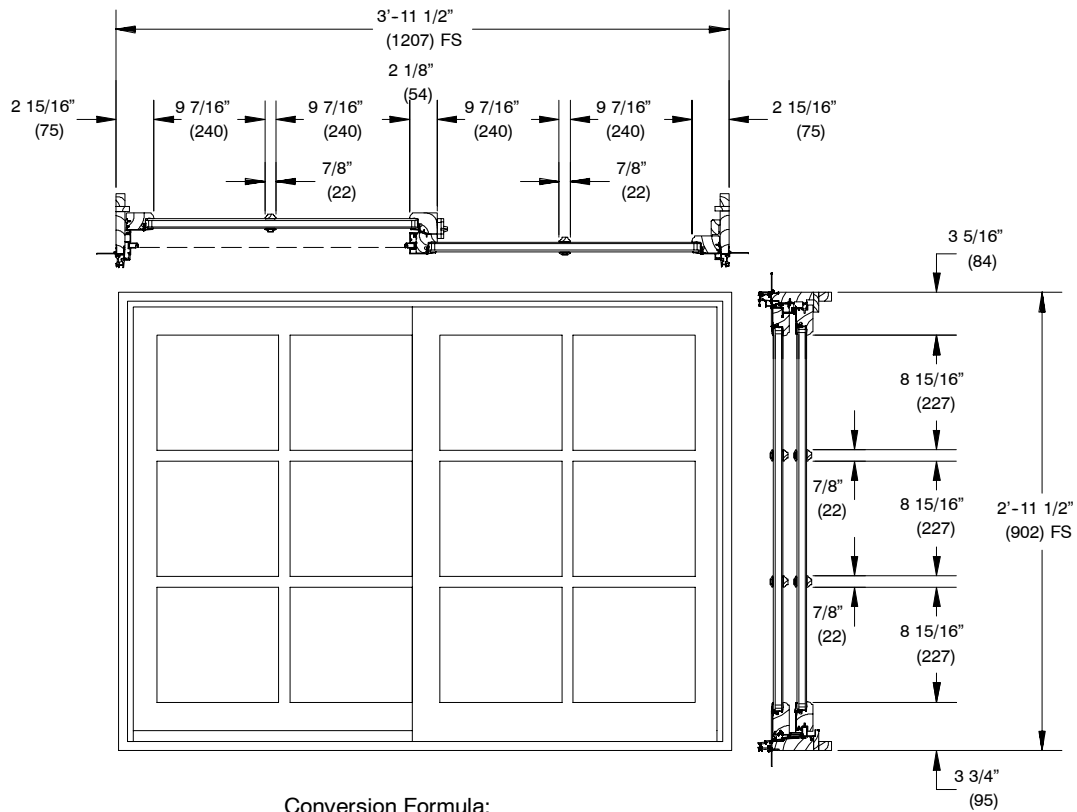
NOTE:

Grille = Removable interior divider
SDL = Simulated divided lite

CLAD GLIDER

RECTANGULAR DAYLIGHT OPENING CALCULATIONS

NOT TO SCALE



Conversion Formula:

$$\frac{\text{DLO} - \text{Total Bar Width}}{\text{Number of Lites}} = \text{Individual DLO}$$

NOTE:

For additional information on individual daylight openings please contact your Marvin representative.

CLAD GLIDER

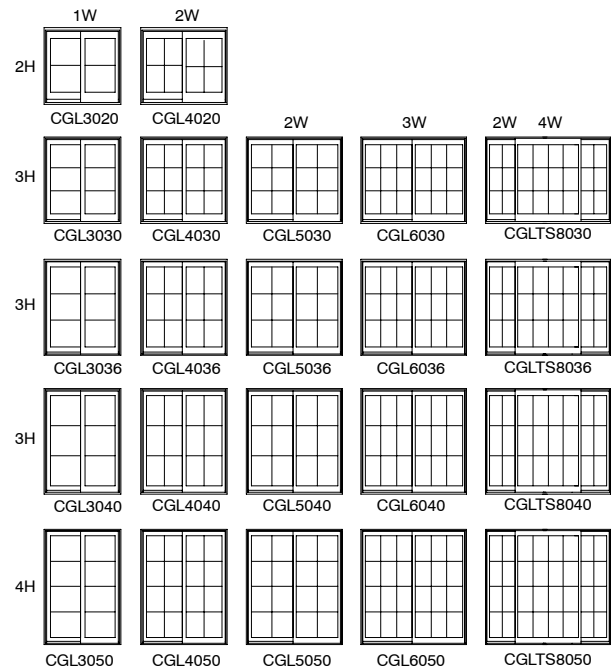
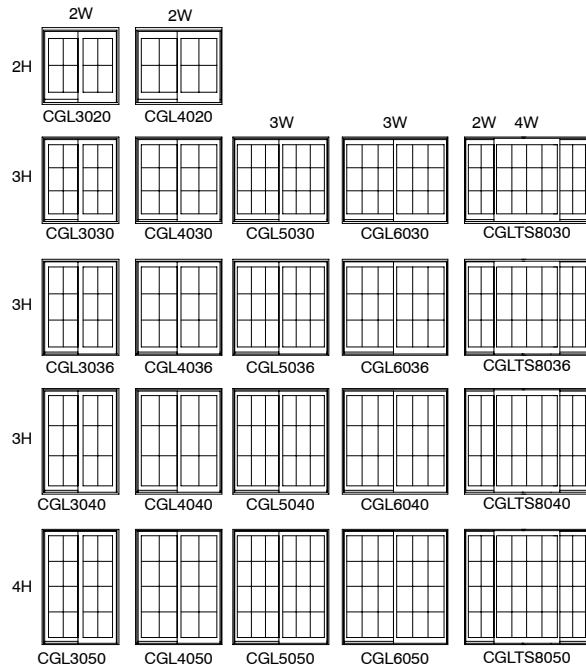
STANDARD RECTANGULAR DIVIDED LITE PATTERNS

NOT TO SCALE

Operator

3/4" Grille
7/8" Simulated Divided Lite (SDL)

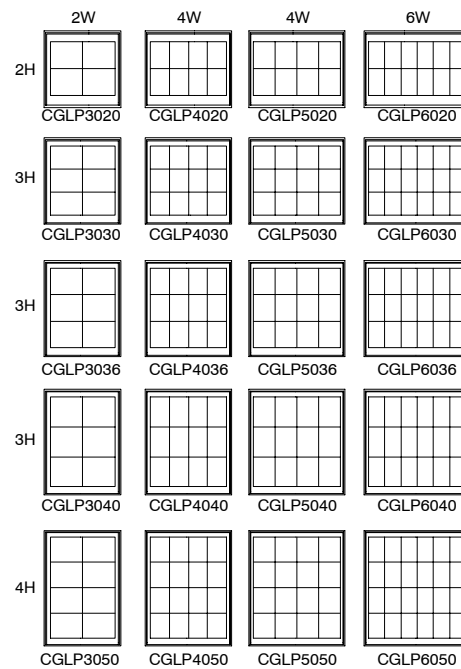
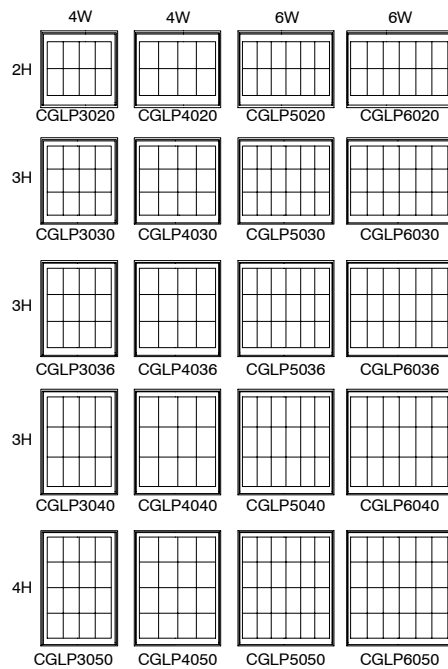
1 1/8" (19) Grille
1 1/8" (43) Simulated Divided Lite (SDL)



Picture

3/4" Grille
7/8" Simulated Divided Lite (SDL)

1 1/8" (19) Grille
1 1/8" (43) Simulated Divided Lite (SDL)



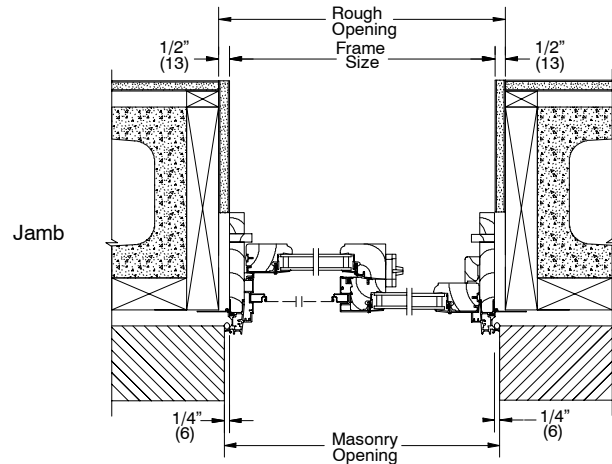
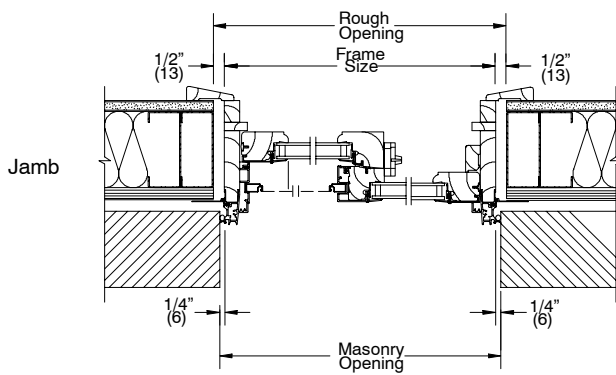
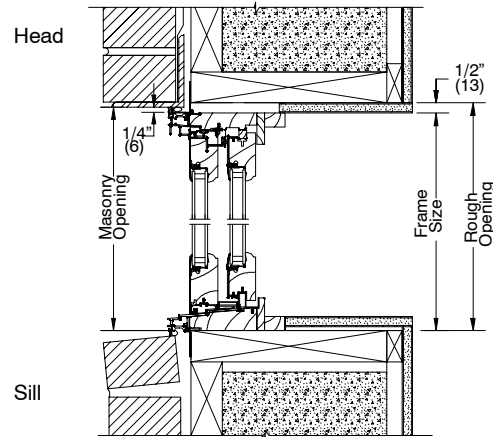
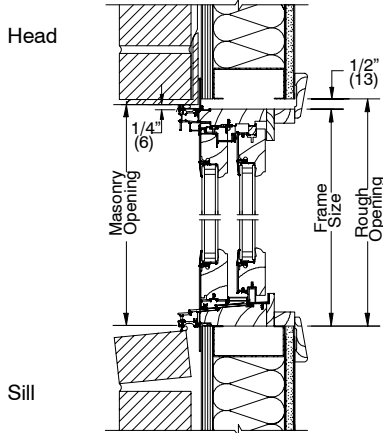
NOTE:

Lite pattern identifications are shown at the top of each column and to the left of each row.
Height patterns indicated as 1H represent a 1 high lite pattern.
Width patterns indicated as 2W represent a 2 wide lite pattern.
Patterns vary depending on size of unit and type of divider.

CLAD GLIDER

SECTION DETAILS: CONSTRUCTION

NOT TO SCALE



Brick Veneer with Steel Stud Construction

Brick Veneer with Concrete Block Construction

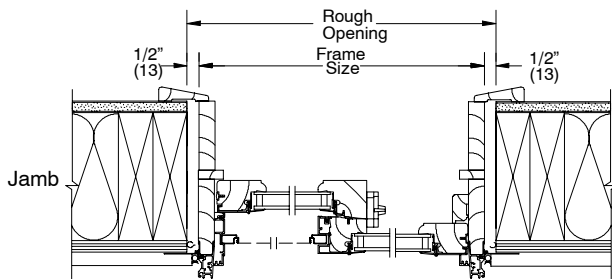
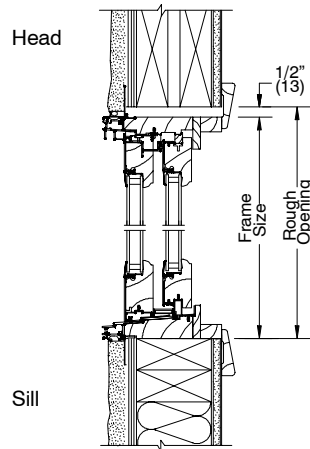
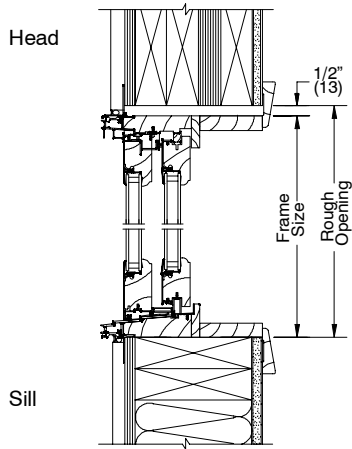
NOTE:

The above wall sections represent typical wall conditions, these details are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.

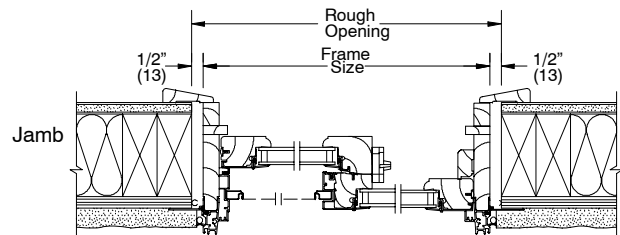
CLAD GLIDER

SECTION DETAILS: CONSTRUCTION

NOT TO SCALE



Wood Siding with 2x6
Frame Construction



Stucco with 2x4
Frame Construction

NOTE:

The above wall sections represent typical wall conditions, these details are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.