

# Elevate Direct Glaze Round Tops

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**Unit Features**

Elevate Direct Glaze Round Top: ELDG RT

For applicable certification and code information, refer to the Introduction and Product Performance chapter.

**Frame:**

- The frame exterior is made of Ultrex® fiberglass which is exceptionally resistant to thermal conductance. Ultrex frame is .094" (2 mm) thick. Available colors: Stone White, Pebble Gray, Bronze, Evergreen, Cashmere, or Ebony.
- The interior is non finger-jointed pine, kiln dried to a moisture content of 6-12% at time of fabrication. Water-repellent, preservative treated.
- Interior wood is available as Pine bare wood or factory applied white, clear, or designer black interior finishes.
- Frame width is 4 9/16" (116).
- 4/4 non finger-jointed pine interior stop is applied to all units.

**Jamb Extension:**

- 6 9/16" (167) and 6 13/16" (173) jamb extension available factory applied or kit form for field application.

**Installation:**

- Integral nailing fin.
- Optional installation brackets available for round tops without nailing fin intended for masonry application.

**Glazing:**

- All units are manufactured with a glass thickness varying from 11/16" (17) to 1" (25) IG with Low E2, E3, E3/ERS, or E1 coatings including argon gas or air fill.
- Tempered glass and/or obscure, and California Fire glass (annealed exterior and tempered interior glazing configuration) glass are available as an option.
- STC/OITC values are available for 3.1 mm thickness glass.
  - Optional 3.1/4.7 STC/OITC upgrade glass is available. See Product Performance chapter for STC and OITC ratings.
- The glazing seal is a silicone bedding on the exterior with a wood glazing stop on the interior.
- Decorative glass options include glue chip, rain, reed, narrow reed, frost, and tinted (bronze, gray or green). Decorative glass is not available with Low E1, Low E3/ERS or STC/OITC Upgrade options.

**Wood Removable Interior Grilles:**

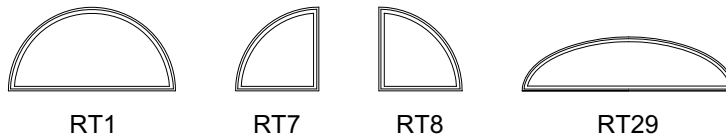
- Wood grilles are manufactured from non finger-joint pine with a 3/4" (19) x 15/32" (12) bar.
- Available in standard sunburst patterns with an open hub.
- Pine bare wood or factory applied White, Clear, or Designer Black finishes to match interior.

**Interior / Exterior Simulated Divided Lites (SDL):**

- Interior bar: 7/8" (22) wide bars. Pine bare wood or factory applied White, Clear, or Designer Black finishes to match the interior.
- Exterior straight bar: 7/8" (22) wide bars Ultrex, finish to match exterior
- Exterior radius bar: ABS Hi, HDT 7/8" (22) wide bars. Available in sunburst patterns with an open hub. Finish to match exterior.
- SDL with spacer bar available in standard sunburst patterns with an open hub. Not available on solid or closed hub patterns. Not available with rain, reed or narrow reed decorative glass. Glue chip requires tempered glass for SDL application. Tinted glass available without spacer bar only.

**Grilles-Between-the-Glass (GBG):**

- GBGs are manufactured from aluminum in an 23/32" (18) contoured profile placed between two panes of glass, available in standard sunburst patterns with a solid hub. Exterior color: Stone White, Pebble Gray, Bronze, Evergreen, Cashmere, or Ebony. Interior Colors: White, Bronze, or Black. Not available with tinted glass.



*NOTE: Drawings on this page are not to scale.*

**Sizing Guidelines**

Round Top multiple assemblies can be factory mulled up to 3 units wide by 2 units high.

**MAXIMUM ROUGH OPENING:** 113 1/2" (2883) x 91 1/16" (2313) **or** 85" (2159) x 107 9/16" (2732)

*NOTES: Individual Double Hung Round Tops and Double Hung Round top assemblies with jamb extension: ADD 1/4" (6) to WIDTH, and 1/8" (3) HEIGHT of Frame, Rough, and Masonry Opening Sizes.*

*6 9/16" (167) and 6 3/16" (173), jambs available factory installed or for field application.*

*Quarter Round shapes require a Casement with a continuous head jamb.*

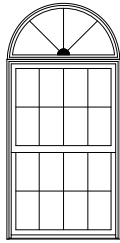
**CALCULATING TOTAL ROUGH OPENING FOR ASSEMBLIES**

**WIDTH:** ADD Frame Widths + 1" (25)

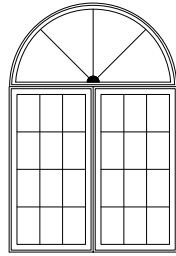
Tolerance = 1/2" (13) from the frame to Rough Opening at left and right jamb.

**HEIGHT:** ADD Frame Heights + 1/2" (13)

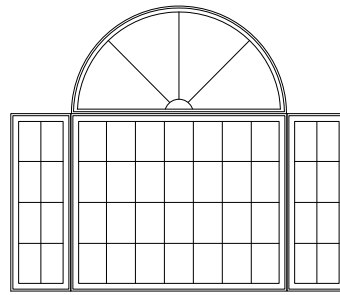
Tolerance = 1/2" (13) from Frame to Rough Opening at head jamb.



1 Wide 2 High



2 Wide 2 High

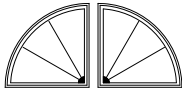


3 Wide 2 High

| Unit Measurements    |               | Width     |           | Height    |           |
|----------------------|---------------|-----------|-----------|-----------|-----------|
| From                 | To            | in        | mm        | in        | mm        |
| <b>Rough Opening</b> |               | <b>in</b> | <b>mm</b> | <b>in</b> | <b>mm</b> |
| OM of Frame          | Rough Opening | + 1       | (25)      | + 1/2     | (13)      |
| Masonry Opening      | Rough Opening | + 1/2     | (13)      | + 1/4     | (06)      |

**Round Top Examples / Grilles-Between-the-Glass**

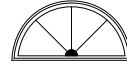
**Casement**



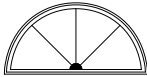
ELDGR29-1W CA (L OR R)



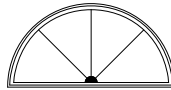
ELDGR29-1W CA



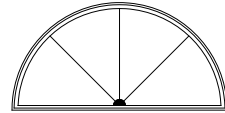
ELDGR21-2W CA



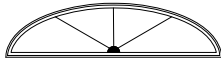
ELDGR25-2W CA



ELDGR29-2W CA



ELDGR25-3W CA

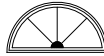


ELDGR7318 CA

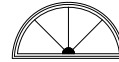
**Double Hung**



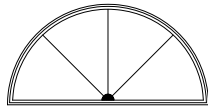
ELDGR30-1W DH



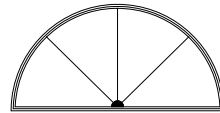
ELDGR34-1W DH



ELDGR38-1W DH



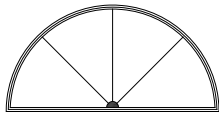
ELDGR34-2W DH



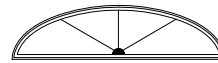
ELDGR36-2W DH

*NOTE: Individual Double Hung Round Tops and Double Hung Round Top assemblies with jamb extension, ADD 1/4" to WIDTH, and 1/8" Height of Frame, Rough, and Masonry Opening sizes.*

**Door**



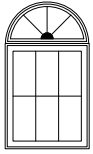
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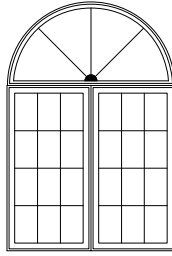
ELDGRDTR 7218

**Round Top Examples / Grilles-Between-the-Glass**

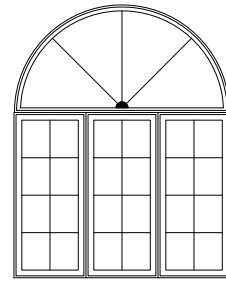
**Multiple Assemblies (examples)**



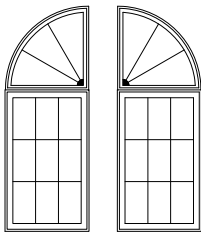
ELDGR29-1W  
ELCA 2935



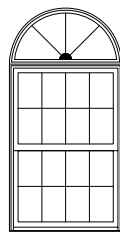
ELDGR29-2W  
ELCA 2955-2W



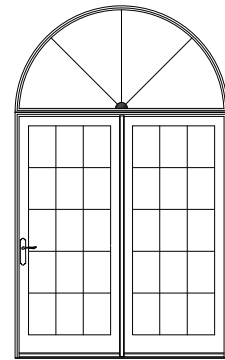
ELDGR25-3W  
ELCA 2555-3W



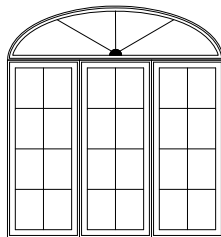
IQCIR29-1W  
ELCA 2947



ELDGR38-1W  
ELDH 3856

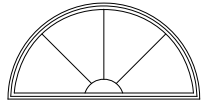


ELDGR 7236 / ELIFD 6068  
(Available field mullied only)

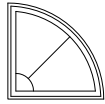


ELDGRCA7318  
ELCA 2559-3W

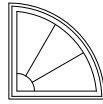
**Available Divided Lite Patterns**



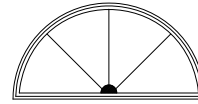
Open Hub, 3 Spokes  
Sunburst Lite Cut  
Wood Grilles, GBGs, SDL



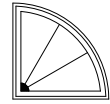
Open Hub, 1 Spoke  
Sunburst Lite Cut  
Wood Grilles, SDL



Open Hub, 2 Spokes  
Sunburst Lite Cut  
GBGs

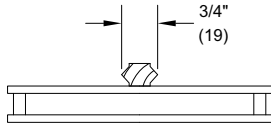


Solid Hub, 3 Spokes  
Sunburst Lite Cut  
GBGs

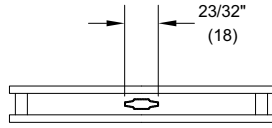


Solid Hub, 2 Spokes  
Sunburst Lite Cut  
GBGs

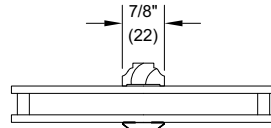
**DIVIDED LITE OPTIONS**



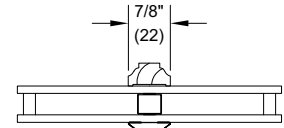
Wood Removable Grille



Aluminum Grille Between Glass



Simulated Divided Lite



Simulated Divided Lite  
With Spacer Bar

**NOTES:**

- Round Top Wood Grille to align with picture unit Wood Grille is available only when ordered in a factory mulled unit.
- Direct Glaze Round Tops with Wood Grilles, GBGs, or SDL will only align with the lite cut of the unit it is intended to be mulled with.

Available Divided Lite Patterns

Sunburst Lite Pattern - Wood Grille

| Standard CN | Product Series | RT Shape | Unit Alignment                   | Sunburst Pattern Default |
|-------------|----------------|----------|----------------------------------|--------------------------|
| 29-1W       | CA             | RT7/RT8  | ELCA 29-1W                       | Open Hub, 1 Spoke        |
| 29-1W       | CA             | RT1      | ELCA 29-1W                       | Open Hub, 3 Spokes       |
| 21-2W       | CA             | RT1      | ELCA 21-2W                       | Open Hub, 3 Spokes       |
| 25-2W       | CA             | RT1      | ELCA 25-2W, ELCA P 49-1W         | Open Hub, 3 Spokes       |
| 29-2W       | CA             | RT1      | ELCA 29-2W, ELCA P 57-1W         | Open Hub, 3 Spokes       |
| 25-3W       | CA             | RT1      | ELCA 25-3W                       | Open Hub, 3 Spokes       |
| 7318        | CA             | RT29     | ELCA 25-3W                       | Open Hub, 3 Spokes       |
| 30-1W       | DH             | RT1      | ELDH 30-1W                       | Open Hub, 3 Spokes       |
| 34-1W       | DH             | RT1      | ELDH 34-1W                       | Open Hub, 3 Spokes       |
| 38-1W       | DH             | RT1      | ELDH 38-1W                       | Open Hub, 3 Spokes       |
| 34-2W       | DH             | RT1      | ELDH 34-2W                       | Open Hub, 3 Spokes       |
| 36-2W       | DH             | RT1      | ELDH 36-2W                       | Open Hub, 3 Spokes       |
| 7218        | DH             | RT29     | ELDH 36-2W                       | Open Hub, 3 Spokes       |
| 7236        | DR             | RT1      | ELSPD, ELSFD, ELIFD, ELOFD 60-1W | Open Hub, 3 Spokes       |
| 7218        | DR             | RT29     | ELSPD, ELSFD, ELIFD, ELOFD 60-1W | Open Hub, 3 Spokes       |

Sunburst Lite Pattern - GBG

| Standard CN | Product Series | RT Shape | Unit Alignment                   | Sunburst Pattern Default | Sunburst Pattern Optional |
|-------------|----------------|----------|----------------------------------|--------------------------|---------------------------|
| 29-1W       | CA             | RT7/RT8  | ELCA 29-1W                       | Solid Hub, 2 Spokes      | Open Hub, 2 Spokes        |
| 29-1W       | CA             | RT1      | ELCA 29-1W                       | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 21-2W       | CA             | RT1      | ELCA 21-2W                       | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 25-2W       | CA             | RT1      | ELCA 25-2W, ELCA P 49-1W         | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 29-2W       | CA             | RT1      | ELCA 29-2W, ELCA P 57-1W         | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 25-3W       | CA             | RT1      | ELCA 25-3W, ELCA 37-2W           | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 7318        | CA             | RT29     | ELCA 25-3W, ELCA 37-2W           | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 30-1W       | DH             | RT1      | ELDH 30-1W                       | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 34-1W       | DH             | RT1      | ELDH 34-1W                       | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 38-1W       | DH             | RT1      | ELDH 38-1W                       | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 34-2W       | DH             | RT1      | ELDH 34-2W                       | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 36-2W       | DH             | RT1      | ELDH 36-2W                       | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 7218        | DH             | RT29     | ELDH 36-2W                       | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 7236        | DR             | RT1      | ELSPD, ELSFD, ELIFD, ELOFD 60-1W | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |
| 7218        | DR             | RT29     | ELSPD, ELSFD, ELIFD, ELOFD 60-1W | Solid Hub, 3 Spokes      | Open Hub, 3 Spokes        |

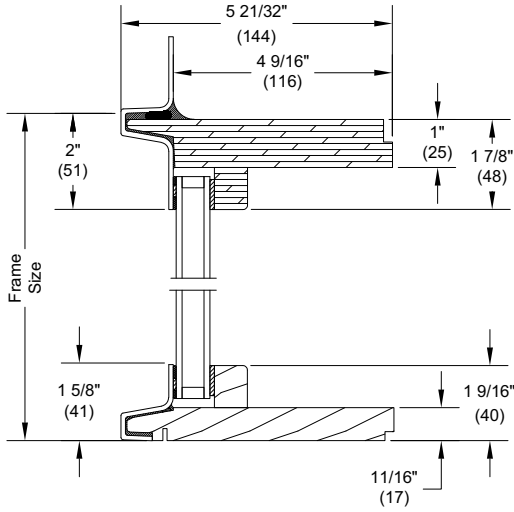
Sunburst Lite Pattern - SDL

| Standard CN | Product Series | RT Shape | Unit Alignment                   | Sunburst Pattern Default |
|-------------|----------------|----------|----------------------------------|--------------------------|
| 29-1W       | CA             | RT7/RT8  | ELCA 29-1W                       | Open Hub, 1 Spoke        |
| 29-1W       | CA             | RT1      | ELCA 29-1W                       | Open Hub, 3 Spokes       |
| 21-2W       | CA             | RT1      | ELCA 21-2W                       | Open Hub, 3 Spokes       |
| 25-2W       | CA             | RT1      | ELCA 25-2W, ELCA P 49-1W         | Open Hub, 3 Spokes       |
| 29-2W       | CA             | RT1      | ELCA 29-2W, ELCA P 57-1W         | Open Hub, 3 Spokes       |
| 25-3W       | CA             | RT1      | ELCA 25-3W, ELCA 37-2W           | Open Hub, 3 Spokes       |
| 7318        | CA             | RT29     | ELCA 25-3W, ELCA 37-2W           | Open Hub, 3 Spokes       |
| 30-1W       | DH             | RT1      | ELDH 30-1W                       | Open Hub, 3 Spokes       |
| 34-1W       | DH             | RT1      | ELDH 34-1W                       | Open Hub, 3 Spokes       |
| 38-1W       | DH             | RT1      | ELDH 38-1W                       | Open Hub, 3 Spokes       |
| 34-2W       | DH             | RT1      | ELDH 34-2W                       | Open Hub, 3 Spokes       |
| 36-2W       | DH             | RT1      | ELDH 36-2W                       | Open Hub, 3 Spokes       |
| 7218        | DH             | RT29     | ELDH 36-2W                       | Open Hub, 3 Spokes       |
| 7236        | DR             | RT1      | ELSPD, ELSFD, ELIFD, ELOFD 60-1W | Open Hub, 3 Spokes       |
| 7218        | DR             | RT29     | ELSPD, ELSFD, ELIFD, ELOFD 60-1W | Open Hub, 3 Spokes       |

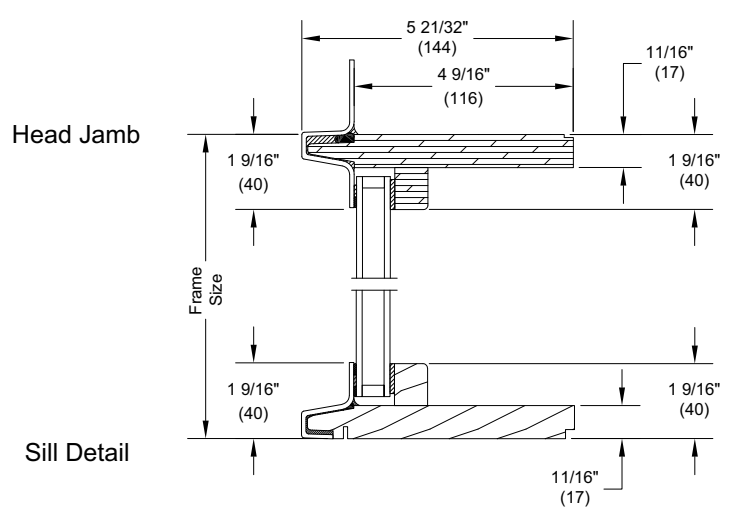


**Section Details**

**CASEMENT**



**DOUBLE HUNG / PATIO DOOR**

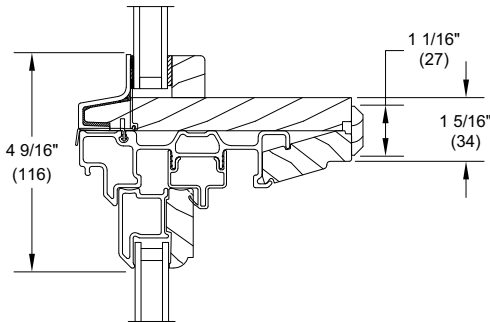


Head Jamb

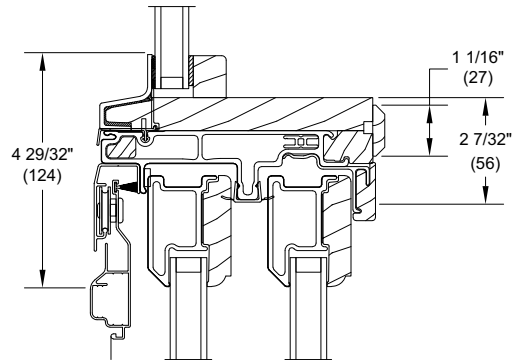
Frame Size

Sill Detail

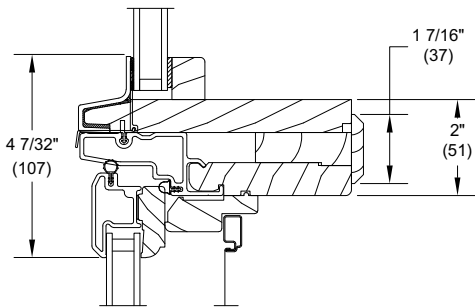
**MULLIONS**



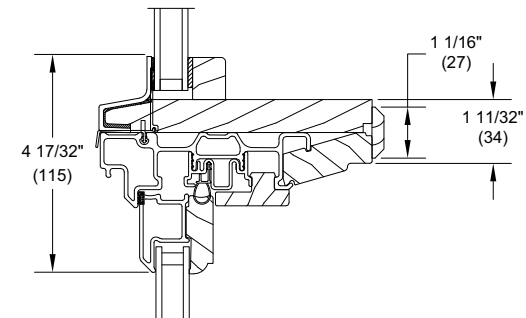
Double Hung Round Top Over  
Double Hung Operator



Double Hung Round Top Over  
Integrity Patio Door

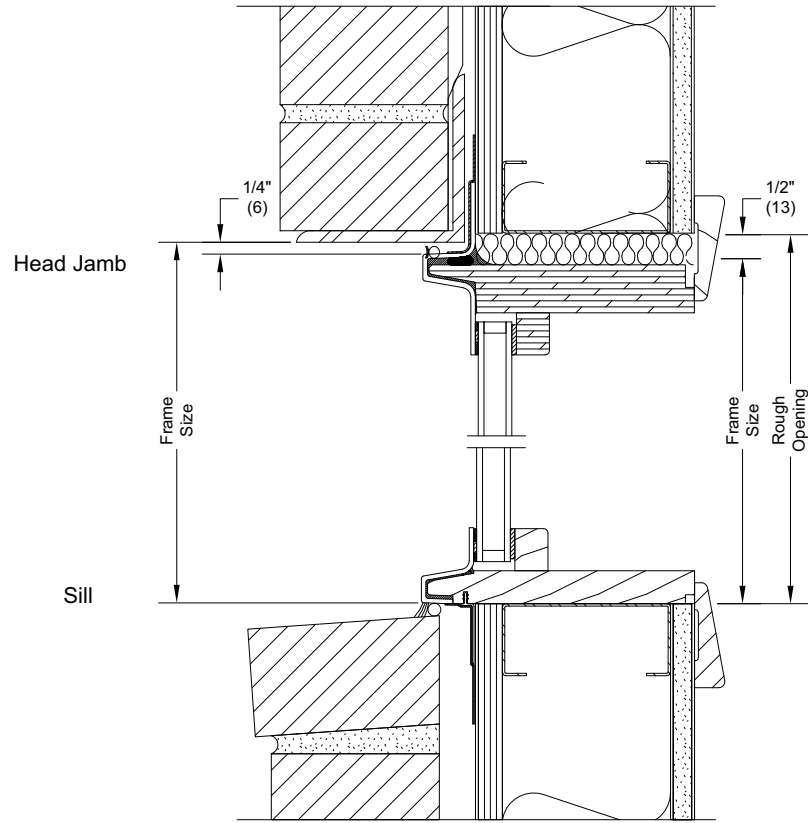


Casement Round Top Over  
Casement Operator

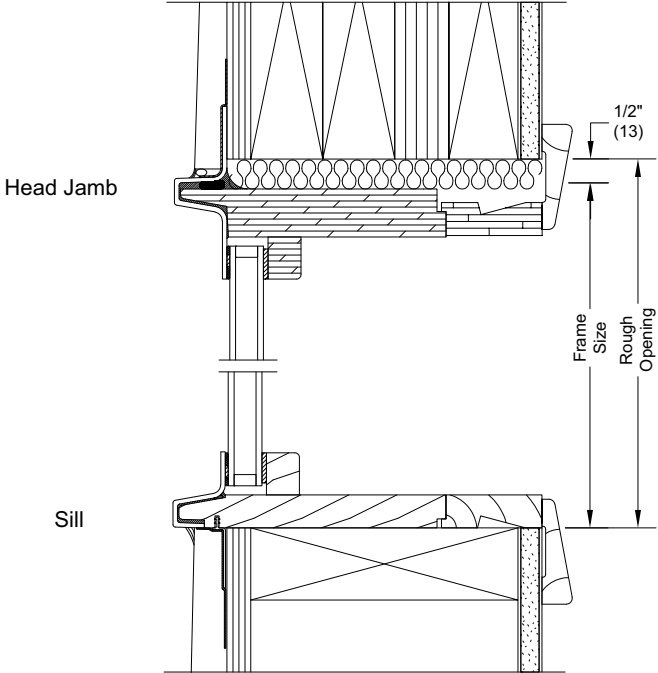


Double Hung Round Top Over  
Double Hung Picture Unit

**Installation Suggestion - Brick Veneer with Steel Frame Construction**



**Installation Suggestion - Wood Siding with 2x6 Frame Construction**



**Installation Suggestion - Stucco with 2x4 Frame Construction**

