

Unit Features

Elevate Direct Glaze Round Top: ELDG RT

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

Frame:

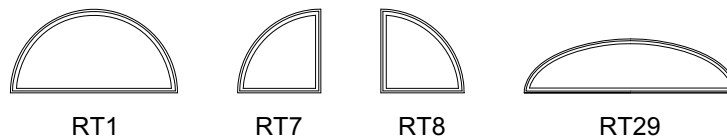
- The frame exterior is made of Ultrex® fiberglass which is exceptionally resistant to thermal conductance. Ultrex frame is .094" (2 mm) thick. Available colors: Stone White, Pebble Gray, Bronze, Cashmere, or Ebony.
- The interior is non finger-jointed pine, kiln dried to a moisture content of 6-12% 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:

- Extension Thickness: 9/16" (14)
- Multiple depths available from 1/8" (3), 1/4"(6), and depths varying between 1/2"(13) and 4"(102) at 1/16" (2) increments
- Maximum jamb depth is 8 9/16". (217)
- 6 9/16" (167) or 6 13/16" (173) jamb extension - factory-applied
- All other jamb depth options are available shipped loose.
- Material: Bare Pine
- Option: factory applied white, designer black and clear lacquer interior finish

Installation:

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



NOTE: Drawings on this page are not to scale.

Unit Features

Glazing

- Standard Glass Makeups:
 - 3/4" and 1 3/16" nominal thickness insulating glass with Low E2, and Argon gas.
- Glazing Seal: Silicone bedding on interior and exterior
- Gas Fill Options: Argon or Air
- Additional Glass Coating Options:
 - Low E1,
 - Low E2,
 - Low E3,
 - Low ERS,
 - Clear (no coating)
- Available Glass Types:
 - Triple Pane, Laminated Safety, STC/OITC upgrade, Tempered, Decorative, and California Fire glass (annealed exterior and tempered interior glazing configuration).
- Decorative glass options: Obscure, Glue Chip, Rain, Reed, Narrow Reed, Frost, Tinted (bronze, gray, or green).
- Decorative glass options may be limited due to glass makeup and Low E configurations.
- SDL not available on Rain, Reed and Narrow Reed
- SDL available on Obscure and Frost. Available on annealed or tempered glass.
- SDL available on Glue Chip; tempered glass required.
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations
 - Glass air spaces with capillary tubes are considered air filled

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):

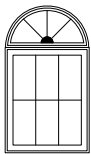
- GBGs are manufactured from aluminum in an 23/32" (18) contoured profile placed between two panes of glass,
 - Available in standard sunburst patterns with a solid hub.
 - Exterior color: Stone White, Pebble Gray, Bronze, Cashmere, or Ebony.
 - Interior Colors: White, Bronze, or Black.
 - Not available with tinted glass.
 - GBG is available on Laminated glass with a spacer bar 9.8mm or larger.

Minimum and Maximum Guidelines

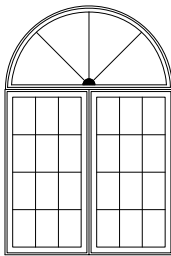
Minimum and Maximum Guidelines - Elevate Aluminum Direct Glaze Round Top								
Round Top Shape	Frame Size							
	Min Width		Min Height		Max Width		Max Height	
	in	mm	in	mm	in	mm	in	mm
Aluminum Direct Glaze Round Top, Casement								
Eyebrow Above Springline	20	(508)	17 15/16	(456)	72	(1829)	68 3/4	(1746)
True Half Above Springline	36	(914)	59 1/8	(1502)	72	(1829)	83 1/8	(2111)
True Half	31	(787)	16	(406)	72	(1829)	36	(914)
Quarter Round	24	(610)	24	(610)	24	(610)	24	(610)
Elliptical	72	(1829)	18	(457)	72	(1829)	18	(457)
Aluminum Direct Glaze Round Top, Double Hung								
Eyebrow Above Springline	24 1/2	(622)	19 7/16	(494)	83	(2108)	72 15/16	(1853)
True Half Above Springline	67	(1702)	69 1/4	(1759)	67	(1702)	69 1/4	(1759)
True Half	35 1/2	(902)	17 3/4	(451)	83	(2108)	41 1/2	(1054)
Quarter Round	29 1/2	(749)	29 1/2	(749)	35 1/2	(902)	35 1/2	(902)
Circle	35	(889)	35 1/2	(902)	35	(889)	35 1/2	(902)
Oval	31	(787)	47 1/2	(1207)	31	(787)	47 1/2	(1207)
Elliptical	71	(1803)	18	(457)	71	(1803)	18	(457)
Aluminum Direct Glaze Round Top, Door								
Eyebrow Above Springline	58	(1473)	32	(813)	71	(1803)	68 1/2	(1740)
True Half Above Springline	71	(1803)	58 5/8	(1489)	71	(1803)	58 5/8	(1489)
Elliptical	71	(1803)	18	(457)	71	(1803)	18	(457)

Sizing Guidelines

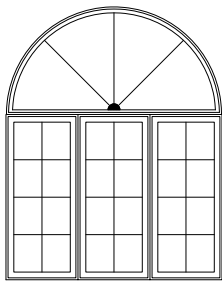
Round Top multiple assemblies can be factory mulled up to 3 units wide by 2 units high.



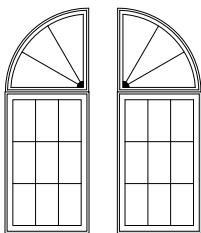
ELDGR29-1W
ELCA 2935



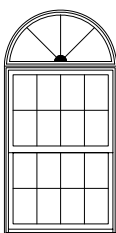
ELDGR29-2W
ELCA 2955-2W



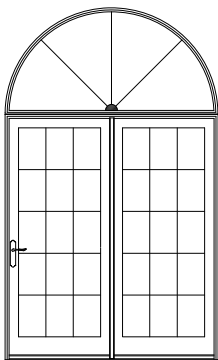
ELDGR25-3W
ELCA 2555-3W



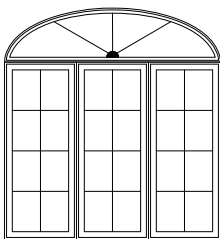
IQCIR29-1W
ELCA 2947



ELDGR38-1W
ELDH 3856



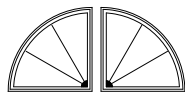
ELDGR 7236 / ELIFD 6068
(Available field mulled only)



ELDGRCA7318
ELCA 2559-3W

Round Top Examples / Grilles-Between-the-Glass

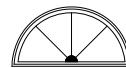
Casement



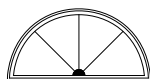
ELDGRT 29-1W CA (L OR R)



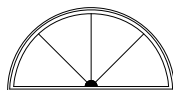
ELDGRT29-1W CA



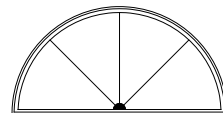
ELDGRT21-2W CA



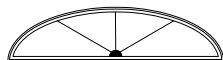
ELDGRT25-2W CA



ELDGRT29-2W CA



ELDGRT25-3W CA

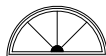


ELDGRT7318 CA

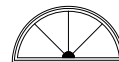
Double Hung



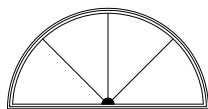
ELDGRT30-1W DH



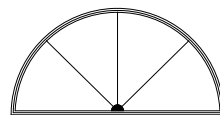
ELDGRT34-1W DH



ELDGRT38-1W DH

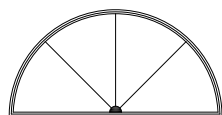


ELDGRT34-2W DH

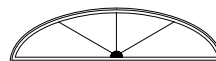


ELDGRT36-2W DH

Door



ELDGRTDR 7236

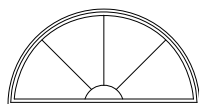


ELDGRTDR 7218

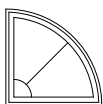
Round Top Examples / Grilles-Between-the-Glass

Multiple Assemblies (examples)

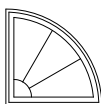
Available Divided Lite Patterns



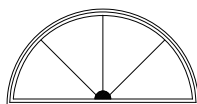
Open Hub, 3 Spokes
Sunburst Lite Cut
GBGs, SDL



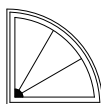
Open Hub, 1 Spoke
Sunburst Lite Cut
SDL



Open Hub, 2 Spokes
Sunburst Lite Cut
GBGs

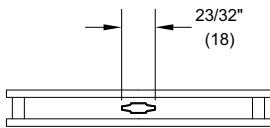


Solid Hub, 3 Spokes
Sunburst Lite Cut
GBGs

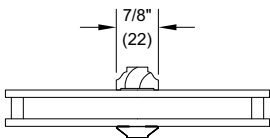


Solid Hub, 2 Spokes
Sunburst Lite Cut
GBGs

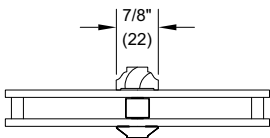
DIVIDED LITE OPTIONS



Aluminum Grille Between Glass



Simulated Divided Lite



Simulated Divided Lite
With Spacer Bar

Available Divided Lite Patterns

Sunburst Lite Pattern - GBG

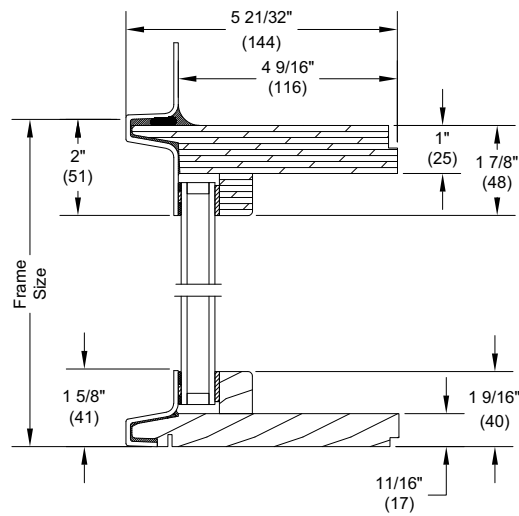
Standard CN	Product Series	RT Shape	Unit Alignment	Sunburst Pattern Default	Sunburst Pattern Optional
29-1W	CA	RT7/RT8	ELCA 29-1W	Solid Hub, 2 Spokes	Open Hub, 2 Spokes
29-1W	CA	RT1	ELCA 29-1W	Solid Hub, 3 Spokes	Open Hub, 3 Spokes
21-2W	CA	RT1	ELCA 21-2W	Solid Hub, 3 Spokes	Open Hub, 3 Spokes
25-2W	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

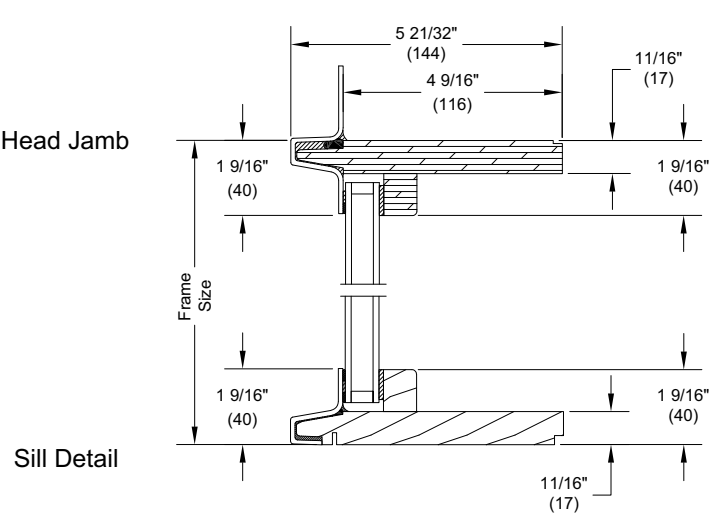
Standard CN	Product Series	RT Shape	Unit Alignment	Sunburst Pattern Default
29-1W	CA	RT7/RT8	ELCA 29-1W	Open Hub, 1 Spoke
29-1W	CA	RT1	ELCA 29-1W	Open Hub, 3 Spokes
21-2W	CA	RT1	ELCA 21-2W	Open Hub, 3 Spokes
25-2W	CA	RT1	ELCA 25-2W, ELCA P 49-1W	Open Hub, 3 Spokes
29-2W	CA	RT1	ELCA 29-2W, ELCA P 57-1W	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



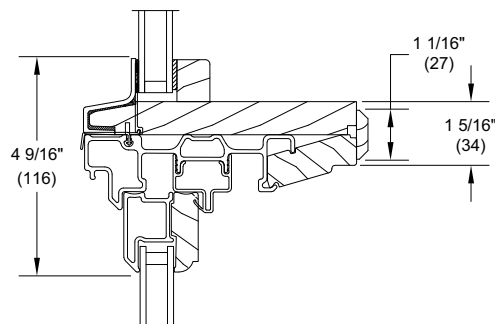
DOUBLE HUNG / PATIO DOOR



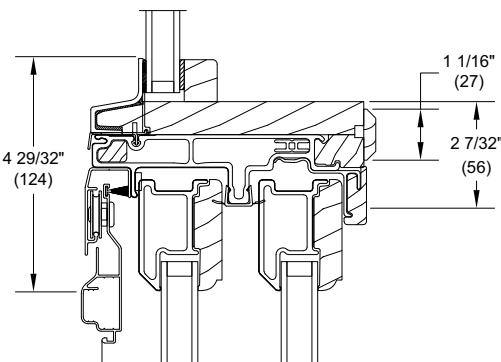
Head Jamb

Sill Detail

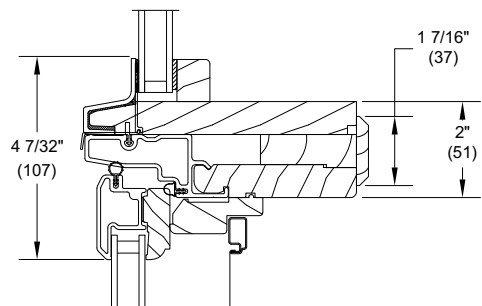
MULLIONS



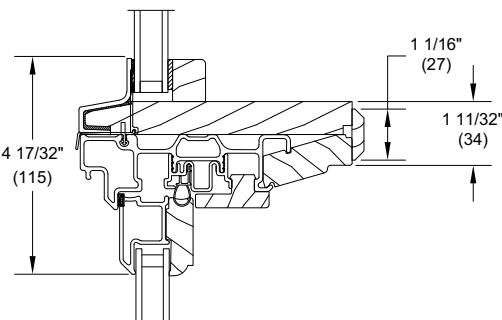
Double Hung Round Top Over
Double Hung Operator



Double Hung Round Top Over
Integrity Patio Door

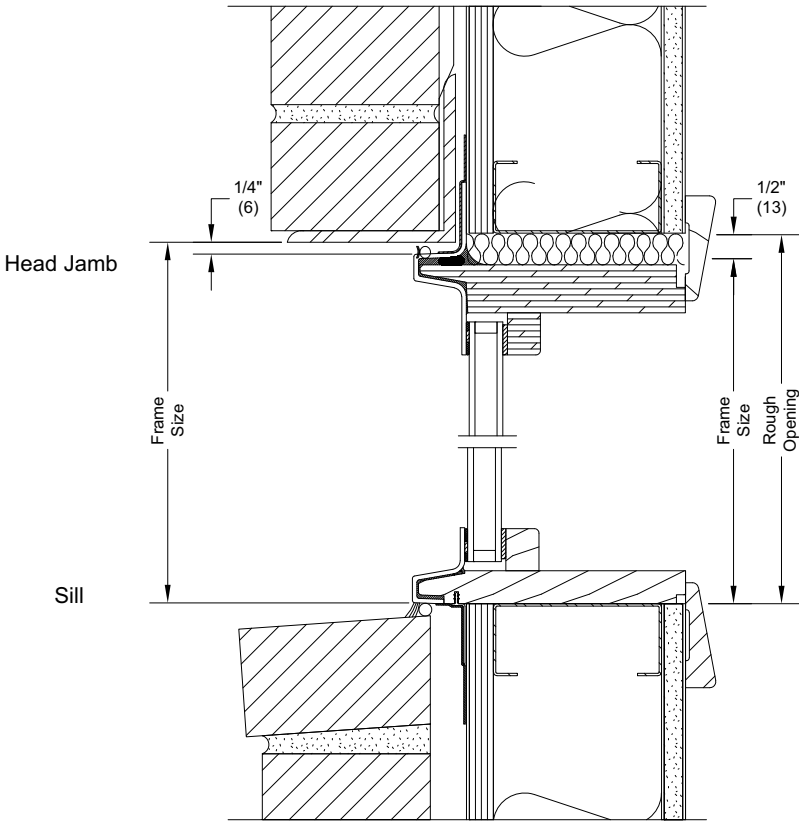


Casement Round Top Over
Casement Operator

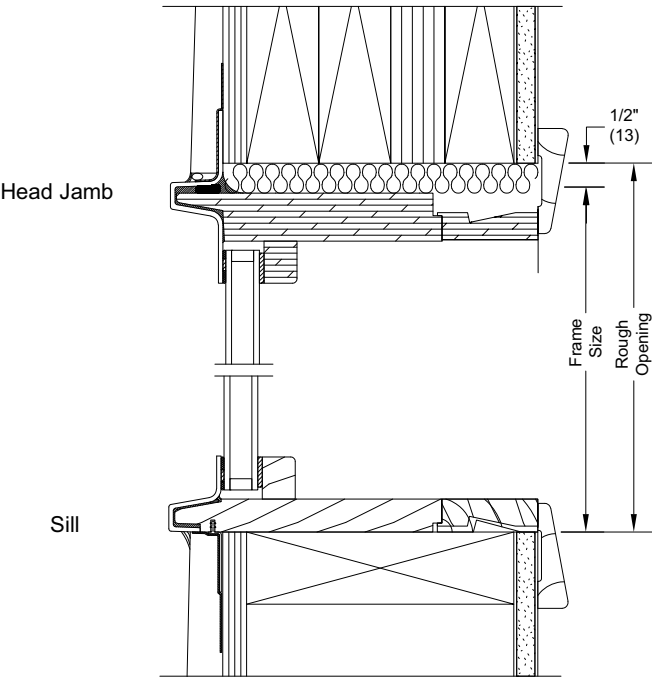


Double Hung Round Top Over
Double Hung Picture Unit

Installation Suggestion - Brick Veneer with Steel Frame Construction



Installation Suggestion - Wood Siding with 2x6 Frame Construction



Installation Suggestion - Stucco with 2x4 Frame Construction

