

CHAPTER 6

ROUND TOP by MARVIN

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ATTENTION:

- Specifications and technical data are subject to change without notice.
- Allow 1/16" (1.59 mm) tolerance on all measurements.
- For answers to technical questions about Integrity products you may call our Integrity Support Line: 1-800-587-2712.
- Website: www.integritywindows.com

UNIT FEATURES AND NFRC VALUES

FRAME:

The frame exterior is made of extruded aluminum cladding. Using a two coat Kynar or Hylar finishing system, meeting or exceeding AAMA 2605-98 requirements. The interior is clear pine, kiln dried to a moisture content of 6-12% at time of fabrication. Water-repellent, preservative treated in accordance with WDMA I.S.4. Frame width is 4 9/16" (116 mm). 4/4 clear pine interior stop is applied to all units. Available in stone white, pebble gray, bronze, or evergreen colors.

JAMB EXTENSION:

4 9/16" (116 mm) is standard. 6 9/16" (167 mm) and 6 13/16" (173) jamb extension available factory applied or in lineal lengths for field application.

INSTALLATION:

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

GLAZING:

All units manufactured with IG 3/4" (19 mm) or 1" (25 mm) Low E II with Argon. All glass is of a select quality complying with Federal Specifications DD-F-451D, ASTM C 1036-85. Insulating glass is manufactured and tested to pass level CBA, ASTM E 774-83 and is IGCC certified. The glazing seal is a silicone bedding on the exterior. The interior glazing is made up of a pressure sensitive adhesive applied to glazing stops that are fastened in place.

WOOD REMOVABLE INTERIOR GRILLES:

Wood grilles are manufactured from clear pine with a 3/4" (19mm) x 15/32" (12mm) bar, available in standard sunburst patterns with an open hub, or standard rectangular lites.

INTERIOR / EXTERIOR SIMULATED DIVIDED LITES (SDL):

Interior bar: 7/8" (22 mm) wide bars. Pine bare wood or factory applied white finish, to match interior. Exterior straight bar: Ultrex, 7/8" (22 mm) wide bars. Exterior radius bar: ABS Hi, HDT 7/8" (22 mm) wide bars, available in standard sunburst patterns with an open hub, or standard rectangular lites. Finish to match exterior.

GRILLES-BETWEEN-THE-GLASS (GBG):

GBGs are manufactured from aluminum in an 11/16" (17 mm) contoured profile placed between two panes of glass, available in standard sunburst patterns with a solid hub. Exterior colort determined by frame color. White interior.

INTERIOR FINISH:

Available in treated bare wood or factory applied White Interior Finish.

PERFORMANCE RATING:

Complies with ANSI/AAMA/WDMA 101/I.S. 2/NAFS-1.

THERMAL PERFORMANCE:

CERTIFIED NFRC UNIT VALUES					
Tested Size - F.S. 48" x 64.75"					
NFRC Glazing Type	Values U-Factor	R-Value Stationary	Solar Heat Gain Coefficient	Visible Light Transmission	Energy Star
Unit Type IRTMCA					
Low E II Argon	0.29	3.45	.37	.64	N, NC, SC, S
Low E II Air	0.33	3.03	.37	.64	N, NC, SC, S
Low E II Argon GBG	0.29	3.45	.33	.57	N, NC, SC, S
Low E II Air GBG	0.33	3.03	.34	.57	N, NC, SC, S
Low E II Argon SDL	0.29	3.45	.33	.57	N, NC, SC, S
Low E II Air SDL	0.33	3.03	.34	.57	N, NC, SC, S
Unit Type IRTMCA					
Low E II Argon	0.29	3.45	.36	.61	N, NC, SC, S
Low E II Air	0.33	3.03	.36	.61	N, NC, SC, S
Low E II Argon GBG	0.29	3.45	.32	.55	N, NC, SC, S
Low E II Air GBG	0.33	3.03	.32	.54	N, NC, SC, S
Low E II Argon SDL	0.29	3.45	.31	.54	N, NC, SC, S
Low E II Air SDL	0.33	3.03	.32	.54	N, NC, SC, S

Product Values are determined using the National Fenestration Rating Council Procedure for determining fenestration product thermal 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.

VLT - Visible Light Transmittance - Percentage of visible light transmitted through the unit.

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

*Note: Capillary tubes are required for IG units at high elevations. Argon will not be furnished in units with capillary tubes.

SIZING GUIDELINES / ABBREVIATIONS

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

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

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

6 9/16" (167 mm) and 6 13/16" (173), jambs available factory installed or for field application.

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

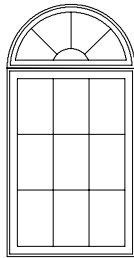
CALCULATING TOTAL ROUGH OPENING FOR ASSEMBLIES

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

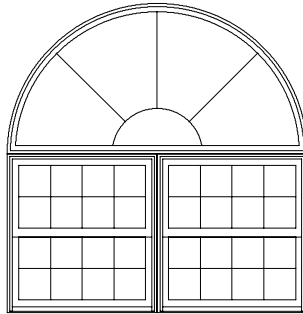
Tolerance = 1/2" (13 mm) from frame to Rough Opening at left and right jamb.

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

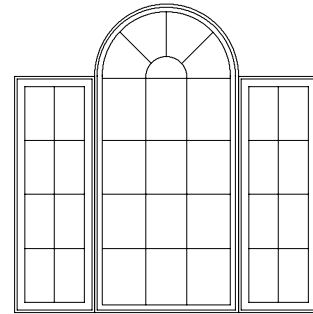
Tolerance = 1/2" (13 mm) from Frame to Rough Opening at head jamb.



1 Unit Wide 2 Units High



2 Units Wide 2 Units High



3 Units Wide 1 Unit High

MEASUREMENT CONVERSIONS

Round Top Rough Opening to	WIDTH		HEIGHT	
	Imperial	Metric	Imperial	Metric
Masonry Opening	- 1/2"	- 13 mm	- 1/4"	- 6 mm
OM of Frame	- 1"	- 25 mm	- 1/2"	- 13 mm

ABBREVIATIONS

CA = Casement

DH = Double Hung

FS = Frame Size

GBG = Grille between glass

ICAP = Integrity Casement / Awning Picture

IRT = Integrity Round Top

IRTM = Integrity Round Top by Marvin

IQCIR = Integrity Quarter Circle

MO = Masonry Opening

mm = Millimeters

OM = Outside measurement

R = Right Handed

RO = Rough Opening

SDL = Simulated Divided Lite

Sq. ft = Square feet

2W = 2 Units Wide

3W = 3 Units Wide

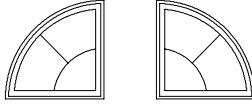
4W = 4 Units Wide

ELEVATIONS - QUARTER ROUND, TRUE HALF CIRCLE, AND EYEBROW ABOVE SPRINGLINE

CASEMENT QUARTER ROUND

Mas. Opg.	2-0 1/2	(622)
Rgh. Opg.	2-1	(635)
Frame Size	2-0	(610)

2-0 1/4 (616)
 2-0 1/2 (622)
 2-0 (610)

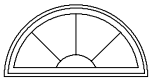


IQCIRM25-1W CA

CASEMENT TRUE HALF CIRCLE

Mas. Opg.	2-8 1/2	(826)
Rgh. Opg.	2-9	(838)
Frame Size	2-8	(813)

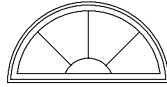
1-4 1/4 (413)
 1-4 1/2 (419)
 1-4 (406)



IRTM33-1W CA

3-0 1/2	(927)
3-1	(940)
3-0	(914)

1-6 1/4 (464)
 1-6 1/2 (470)
 1-6 (457)

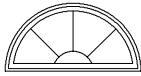


IRTM37-1W CA

DOUBLE HUNG TRUE HALF CIRCLE

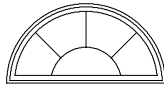
Mas. Opg.	3-0	(914)
Rgh. Opg.	3-0 1/2	(927)
Frame Size	2-11 1/2	(902)

Mas. Opg. 1-6 (457)
 Rgh. Opg. 1-6 1/4 (464)
 Frame Size 1-5 3/4 (451)



IRTM36-1W DH

1-9 (533)
 1-9 1/4 (540)
 1-8 3/4 (527)

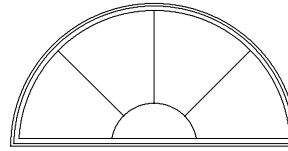


IRTM42-1W DH

3-6	(1067)
3-6 1/2	(1080)
3-5 1/2	(1054)

6-3 1/2	(1918)
6-4	(1930)
6-3	(1905)

3-1 3/4 (959)
 3-2 (965)
 3-1 1/2 (953)



IRTM38-2W DH

NOTE:

See Casement Chapter and Double Hung Chapter for additional information.

Imperial and metric dimensions are shown. Metric dimensions are in millimeters.

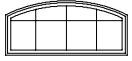
All units viewed from exterior.

ELEVATIONS

CASEMENT/DOOR/DOUBLE HUNG EYEBROW ABOVE SPRINGLINE

Mas. Opg. 4-0 1/2 (1232)
Rgh. Opg. 4-1 (1245)
Frame Size 4-0 (1219)
Rgh. Opg. Rad. 4-6 1/2 (1384)

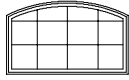
(549)
1-9 5/8 (556)
1-9 7/8 (543)



Spln. 16 ICATR

IRTM 4921 CA

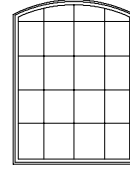
(737)
2-5 (743)
2-5 1/4 (730)



Spln. 23 IAWN

IRTM 4929 CA/AWN

(1651)
5-5 (1657)
5-5 1/4 (1645)
5-4 3/4

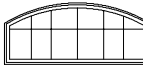


Spln. 59 ICA

IRTM 4965 CA*

Mas. Opg. 4-8 1/2 (1435)
Rgh. Opg. 4-9 (1448)
Frame Size 4-8 (1422)
Rgh. Opg. Rad. 4-6 1/2 (1384)

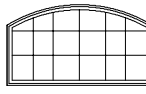
(605)
1-11 13/16 (611)
2-0 1/16 (598)
1-11 9/16



Spln. 16 ICATR

IRTM 5724 CA

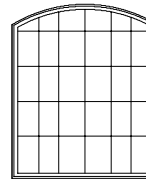
(793)
2-7 3/16 (799)
2-7 7/16 (786)
2-6 15/16



Spln. 23 IAWN

IRTM 5731 CA/AWN

(1707)
5-7 3/16 (1713)
5-7 7/16 (1700)
5-6 15/16

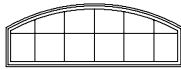


Spln. 59 ICA

IRTM 5767 CA**

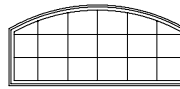
Mas. Opg. 5-11 1/2 (1816)
Rgh. Opg. 6-0 (1829)
Frame Size 5-11 (1803)
Rgh. Opg. Rad. 6-0 1/2 (1842)

(645)
2-1 3/8 (651)
2-1 5/8 (638)
2-1 1/8



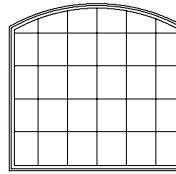
IRTM 7225 DR*

(832)
2-8 3/4 (838)
2-9 (826)
2-8 1/2



IRTM 7233 DR*

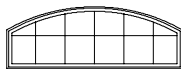
(1746)
5-8 3/4 (1753)
5-9 (1740)
5-8 1/2



IRTM 7269 DR
TEMPERED ONLY**

Mas. Opg. 6-0 1/2 (1842)
Rgh. Opg. 6-1 (1854)
Frame Size 6-0 (1829)
Rgh. Opg. Rad. 6-0 1/2 (1842)

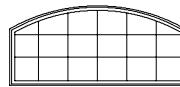
(651)
2-1 5/8 (658)
2-1 7/8 (645)
2-1 3/8



Spln. 16 ICATR

IRTM 7325 CA

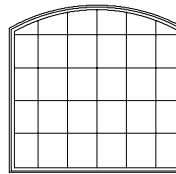
(839)
2-9 (845)
2-9 1/4 (832)
2-8 3/4



Spln. 23 IAWN

IRTM 7333 CA/AWN

(1756)
5-9 (1759)
5-9 1/4 (1747)
5-8 3/4

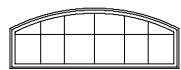


Spln. 59 ICA

**IRTM 7369 CA/AWN
TEMPERED ONLY**

Mas. Opg. 5-7 1/2 (1715)
Rgh. Opg. 5-8 (1727)
Frame Size 5-7 (1702)
Rgh. Opg. Rad. 6-0 1/2 (1842)

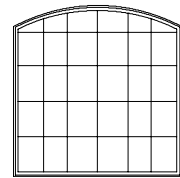
(616)
2-0 1/4 (622)
2-0 1/2 (610)
2-0



Spln. 16 IITDTR

IRTM 6824 DH

(1734)
5-8 1/4 (1740)
5-8 1/2 (1727)
5-8



Spln. 60 IITDH

IRTM 6868 DH**

NOTE:

* Indicates 4 mm glass thickness.

** Indicates 4.7 mm glass thickness.

Door Round Tops available for field mull only.

See Casement Chapter and Double Hung Chapter for additional information.

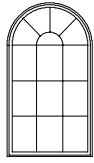
Imperial and metric dimensions are shown. Metric dimensions are in millimeters.

All units viewed from exterior.

ELEVATIONS

CASEMENT TRUE HALF ABOVE SPRINGLINE

Mas. Opg. 3-0 1/2 (927)
Rgh. Opg. 3-1 (940)
Frame Size 3-0 (914)
Rgh. Opg. Rad. 1-6 1/2 (470)

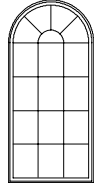


5-5 3/8 (1661)
5-5 5/8 (1667)
5-5 1/8 (1654)

IRTM3765 CA*

Spln. 47 ICA

3-0 1/2 (927)
3-1 (940)
3-0 (914)
1-6 1/2 (470)

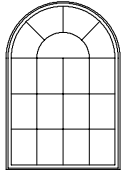


6-5 3/8 (1965)
6-5 5/8 (1972)
6-5 1/8 (1959)

IRTM3777 CA*

Spln. 59 ICA

4-0 1/2 (1232)
4-1 (1245)
4-0 (1219)
2-0 1/2 (622)

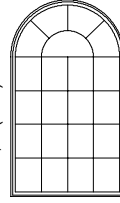


5-11 3/8 (1813)
5-11 5/8 (1819)
5-11 1/8 (1807)

IRTM4971 CA*

Spln. 47 ICA

4-0 1/2 (1232)
4-1 (1245)
4-0 (1219)
2-0 1/2 (622)

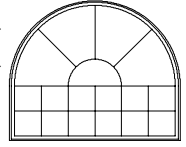


6-11 3/8 (2118)
6-11 5/8 (2124)
6-11 1/8 (2111)

IRTM4983 CA**

Spln. 59 ICA

6-0 1/2 (1842)
6-1 (1854)
6-0 (1829)
3-0 1/2 (927)



4-11 3/8 (1508)
4-11 5/8 (1514)
4-11 1/8 (1502)

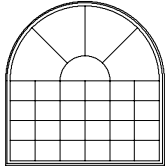
IRTM7359 CA**

Spln. 23 IAWN

Mas. Opg.
Rgh. Opg.
Frame Size

DOUBLE HUNG TRUE HALF ABOVE SPRINGLINE

Mas. Opg. 5-7 1/2 (1715)
Rgh. Opg. 5-8 (1727)
Frame Size 5-7 (1702)
Rgh. Opg. Rad. 2-10 (864)



5-9 1/2 (1765)
5-9 3/4 (1772)
5-9 1/4 (1759)

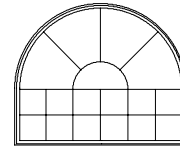
IRTM6869 DH**

Spln. 36 DH

Mas. Opg.
Rgh. Opg.
Frame Size

DOOR TRUE HALF ABOVE SPRINGLINE

5-11 1/2 (1816)
6-0 (1829)
5-11 (1803)
3-0 (914)



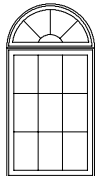
4-11 1/8 (1502)
4-11 3/8 (1508)
4-10 7/8 (1495)

IRTM7259 DR**

MULTIPLE ASSEMBLIES

Assemblies below represent factory mulled round tops to Casement or Double Hung units. Patio Door Round tops are available for field mull only. Assemblies available using various standard heights for individual units below Round Top. See individual chapters for additional information. Standard grille patterns within Round Top units differ between 3/4" removable grille and grilles between glass, see below for examples.

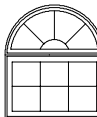
Mas. Opg. 2-8 1/2 (826)
Rgh. Opg. 2-9 (838)
Frame Size 2-8 (813)



5-3 3/8 (1610)
5-3 5/8 (1616)
5-3 1/8 (1603)

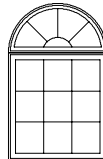
IRTM33-1W CA
ICA3347

3-5 3/8 (1051)
3-5 5/8 (1057)
3-5 1/8 (1045)



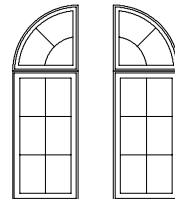
IRTM37-1W CA
IAWN3723

4-9 3/8 (1464)
4-9 5/8 (1457)
4-9 1/8 (1451)



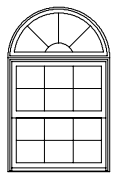
IRTM37-1W CA
IAWN3739

5-11 3/8 (1813)
5-11 5/8 (1819)
5-11 1/8 (1807)



IQCIRM-25-1W CA
ICA2547

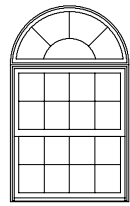
Mas. Opg. 3-0 (915)
Rgh. Opg. 3-0 1/2 (927)
Frame Size 2-11 1/2 (902)



4-9 3/4 (1467)
4-10 (1473)
4-9 1/2 (1461)

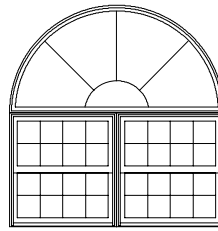
IRTM36-1W DH
ITDH3640

5-8 3/4 (1746)
5-9 (1753)
5-8 1/2 (1740)



IRTM42-1W DH
ITDH4248

6-5 1/2 (1969)
6-5 3/4 (1975)
6-5 1/4 (1962)



IRTM38-2W DH
ITDH2840-2W

6-3 1/2 (1918)
6-4 (1930)
6-3 (1905)

NOTE:
* Indicates 4 mm glass thickness.
** Indicates 4.7 mm glass thickness

Door Round Tops available for field mull only.

See Casement Chapter and Double Hung Chapter for additional information.

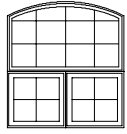
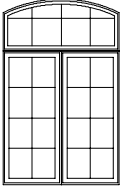
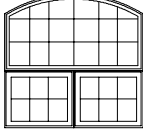
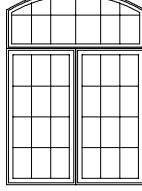
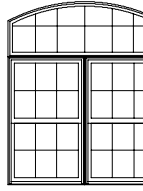
Imperial and metric dimensions are shown. Metric dimensions are in millimeters.

All units viewed from exterior.

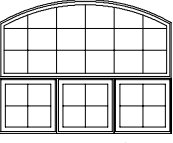
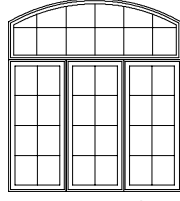
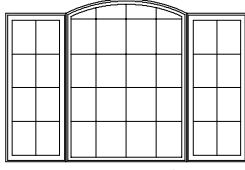
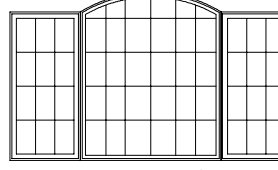
ELEVATIONS - ROUND TOP OVER CASEMENT/DOUBLE HUNG

Assemblies below represent factory mullered round tops to Casement or Double Hung units. Patio Door Round tops are available for field mull only. Assemblies available using various standard heights for individual units below Round Top. See individual chapters for additional information. Standard grille patterns within Round Top units differ between 3/4" removable Grille, SDL, and grilles between glass, see below for examples.

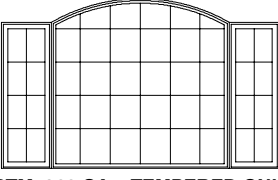
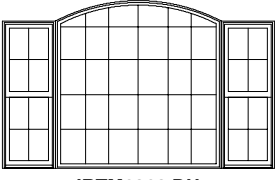
Mas. Opp. 4-0 1/2 (1232)	4-0 1/2 (1232)	4-8 1/2 (1435)	4-8 1/2 (1435)	5-7 1/2 (1715)
Rgh. Opp. 4-1 (1245)	4-1 (1245)	4-9 (1448)	4-9 (1448)	5-8 (1727)
Frame Size 4-0 (1219)	4-0 (1219)	4-8 (1422)	4-8 (1422)	5-7 (1702)

<p>(1324) 4-4 1/8 (1330) 4-4 3/8 (1318)</p>  <p>IRTM4929 CA ICA2523-2W</p>	<p>(1949) 6-4 3/4 (1956) 6-5 (1943)</p>  <p>IRTM4921 CA ICA2555-2W</p>	<p>(1354) 4-6 5/16 (1386) 4-6 9/16 (1373)</p>  <p>IRTM5731 CA ICA2923-2W</p>	<p>(2005) 6-6 15/16 (2011) 6-7 3/16 (1999)</p>  <p>IRTM5724 CA ICA2955-2W</p>	<p>(2032) 6-8 (2038) 6-7 3/4 (2026)</p>  <p>IRTM6824 DH ITDH3456-2W</p>
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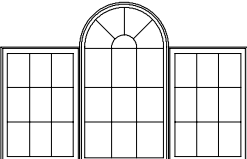
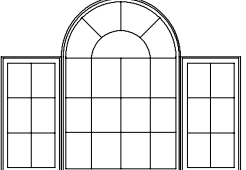
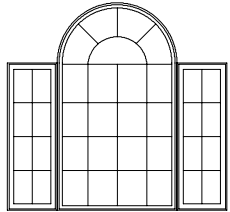
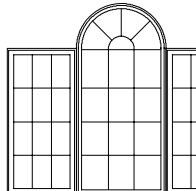
Mas. Opp. 6-0 1/2 (1842)	6-0 1/2 (1842)	8-0 1/2 (2451)	9-4 1/2 (2858)
Rgh. Opp. 6-1 (1854)	6-1 (1854)	8-1 (2464)	9-5 (2870)
Frame Size 6-0 (1829)	6-0 (1829)	8-0 (2438)	9-4 (2845)

<p>(1425) 4-8 1/8 (1432) 4-8 3/8 (1419)</p>  <p>IRTM7333 CA ICA2523-3W</p>	<p>(2051) 6-8 3/4 (2057) 6-8 1/2 (2045)</p>  <p>IRTM7325 CA ICA2555-3W</p>	<p>(1651) 5-5 (1657) 5-5 1/4 (1645)</p>  <p>IRTM4965 CA ICA2559</p>	<p>(1707) 5-7 3/16 (1713) 5-6 15/16 (1700)</p>  <p>IRTM5767 CA ICA2959</p>
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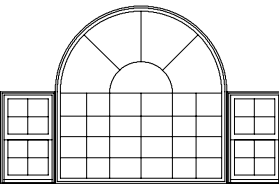
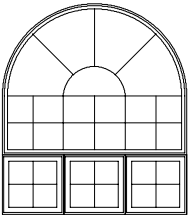
Mas. Opp. 9-4 1/2 (2858)	9-4 1/2 (2858)	9-2 1/2 (2807)
Rgh. Opp. 9-5 (2870)	9-5 (2870)	9-3 (2819)
Frame Size 9-4 (2845)	9-4 (2845)	9-2 (2794)

<p>(1753) 5-9 (1759) 5-9 1/4 (1747)</p>  <p>IRTM7369 CA - TEMPERED ONLY ICA2159</p>	<p>(1734) 5-8 1/4 (1740) 5-8 (1727)</p>  <p>IRTM6868 DH ITDH2260</p>
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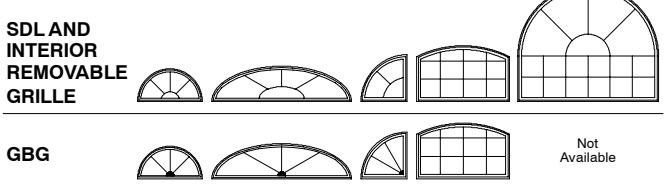
Mas. Opp. 8-4 1/2 (2553)	8-4 1/2 (2451)	7-4 1/2 (2248)	7-8 1/2 (2350)
Rgh. Opp. 8-5 (2565)	8-1 (2464)	7-5 (2261)	7-9 (2362)
Frame Size 8-4 (2540)	8-0 (2438)	7-4 (2235)	7-8 (2337)

<p>(1661) 5-5 3/8 (1667) 5-5 5/8 (1654)</p>  <p>IRTM3765 CA/ICA3347</p>	<p>(1813) 5-11 3/8 (1819) 5-11 1/8 (1807)</p>  <p>IRTM4971 CA/ICA2547</p>	<p>(2118) 6-11 3/8 (2124) 6-11 1/8 (2111)</p>  <p>IRTM4983 CA/ICA2159</p>	<p>(1965) 6-5 3/8 (1972) 6-5 1/8 (1959)</p>  <p>IRTM3777 CA/ICA2959</p>
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Mas. Opp. 9-2 1/2 (2807)	6-0 1/2 (1842)
Rgh. Opp. 9-3 (2819)	6-1 (1854)
Frame Size 9-2 (2794)	6-0 (1829)

<p>(1765) 5-9 1/2 (1772) 5-9 3/4 (1759)</p>  <p>IRTM6869 DH/ITDH2236</p>	<p>(2086) 6-10 1/2 (2102) 6-10 3/4 (2089)</p>  <p>IRTM7359 CA/AWN IAWN2523-3W</p>
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LITE PATTERNS

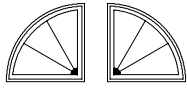


Contact your sales representative for multiple assembly lite alignment. Certain assemblies do not allow for exact lite alignment.

GRILLES-BETWEEN-THE-GLASS

CASEMENT

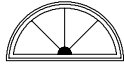
DOUBLE HUNG



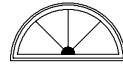
QCIRM 25-1W



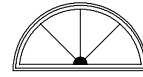
IRTM 33-1W CA



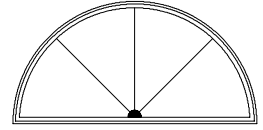
IRTM 37-1W CA



IRTM 36-1W DH

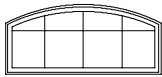


IRTM 42-1W DH

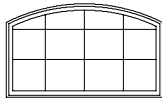


IRTM 38-2W DH

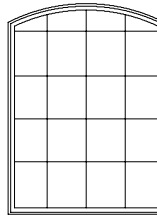
EYEBROW ABOVE SPRINGLINE



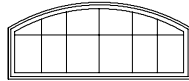
IRTM 4921 CA



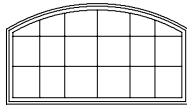
IRTM 4929 CA/AWN



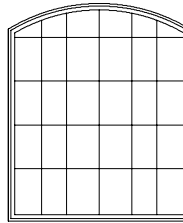
IRTM 4965 CA



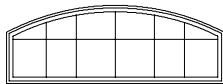
IRTM 5724 CA



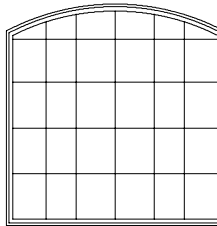
IRTM 5731 CA/AWN



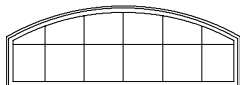
IRTM 5767 CA



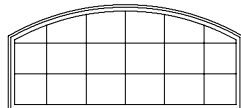
IRTM 6824 DH



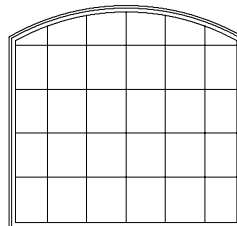
IRTM 6868 DH



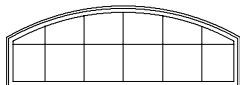
IRTM 7325 CA



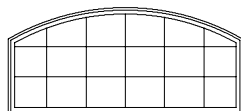
IRTM 7333 CA/AWN



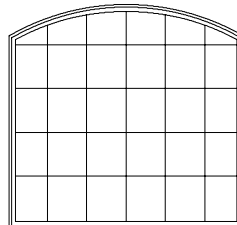
IRTM 7369 CA



IRTM 7225 DR



IRTM 7233 DR



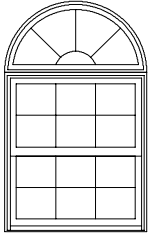
IRTM 7269 DR

NOTE: GBGs are not available on True Half above Springline units

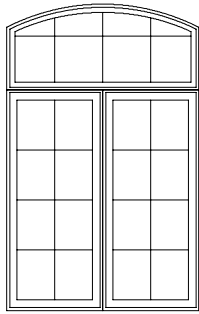
NOTE: GBGs may not line up in multiple assemblies. For more information, contact your Integrity representative.

GRILLES-BETWEEN-THE-GLASS

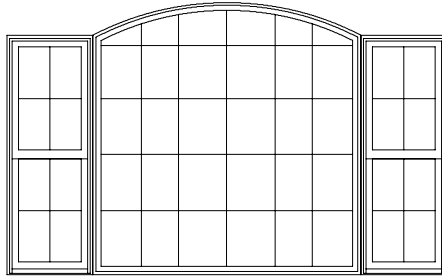
MULTIPLE ASSEMBLIES WITH GRILLES/SDLS/GBGS LINING UP (examples)



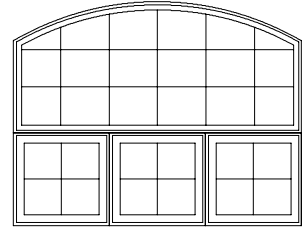
IRTM 36-1W / ITDH 3640



IRTM 4921 / ICA 2555 2W

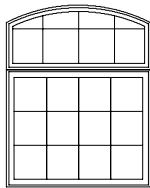


IDH 2260 / IRTM 6868 / ITDH 2260

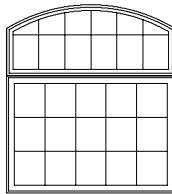


IRTM 7333 / IAWN 2523 3W

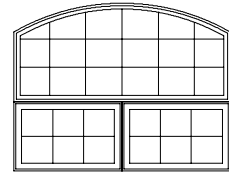
MULTIPLE ASSEMBLIES WITH GRILLES/SDLS/GBGS NOT LINING UP (examples)



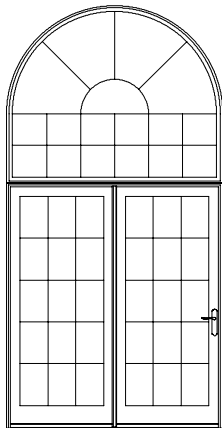
IRTM 4921 / ICAP 4939



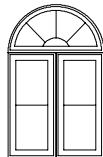
IRTM 5724 / ICAP 5739



IRTM 7333 / IAWN 3723 2W



IRTM 7259 / IIFD 6068
 (available field mullied only)



IRTM 36 -1W / ICA 1735 2W

NOTE: GBGs are not available on True Half above Springline units

NOTE: GBGs may not line up in multiple assemblies. For more information, contact your Integrity representative.

AVAILABLE DIVIDED LITE PATTERNS

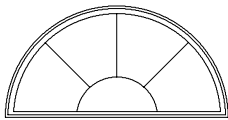
CN	Wood Grille	Unit Alignment	GBG	Unit Alignment	SDL	Unit Alignment
ROUND TOP per unit - Sunburst Lite Cut						
IQCIRM 25-1W CA	Sunburst Open Hub 1 Spoke	ICA/IAWN 25-1W	Sunburst Solid Hub 2 Spokes	ICA/IAWN 25-1W	Sunburst Open Hub 1 Spoke	ICA/IAWN 25-1W
IRTM 33-1W CA	Sunburst Open Hub 3 Spokes	ICA/IAWN 33-1W	Sunburst Solid Hub 3 Spokes	ICA/IAWN 33-1W	Sunburst Open Hub 3 Spokes	ICA/IAWN 33-1W
IRTM 37-1W CA	Sunburst Open Hub 3 Spokes	ICA/IAWN 37-1W	Sunburst Solid Hub 3 Spokes	ICA/IAWN 37-1W	Sunburst Open Hub 3 Spokes	ICA/IAWN 37-1W
IRTM 36-1W DH	Sunburst Open Hub 3 Spokes	ITDH 36-1W	Sunburst Solid Hub 3 Spokes	ITDH 36-1W	Sunburst Open Hub 3 Spokes	ITDH 36-1W
IRTM 42-1W DH	Sunburst Open Hub 3 Spokes	ITDH 42-1W	Sunburst Solid Hub 3 Spokes	ITDH 42-1W	Sunburst Open Hub 3 Spokes	ITDH 42-1W
IRTM 38-2W DH	Sunburst Open Hub 3 Spokes	ITDH 38-2W	Sunburst Solid Hub 3 Spokes	ITDH 38-2W	Sunburst Open Hub 3 Spokes	ITDH 38-2W
TRUE HALF ABOVE SPRINGLINE per unit - Sunburst over Rectangular Lite Cut						
IRTM 3765 CA	Open Hub 3 Spokes over 3W3H	ICA 47H	n/a	n/a	Open Hub 3 Spokes over 3W3H	ICA 47H
IRTM 3777 CA	Open Hub 3 Spokes over 3W4H	ICA 59H	n/a	n/a	Open Hub 3 Spokes over 3W4H	ICA 59H
IRTM 4971 CA	Open Hub 3 Spokes over 4W3H	ICA 47H	n/a	n/a	Open Hub 3 Spokes over 4W3H	ICA 47H
IRTM 4983 CA	Open Hub 3 Spokes over 4W4H	ICA 59H	n/a	n/a	Open Hub 3 Spokes over 4W4H	ICA 59H
IRTM 6869 DH/DR	Open Hub 3 Spokes over 6W4H	ITDH 36H	n/a	n/a	Open Hub 3 Spokes over 6W4H	ITDH 36H ITDH 36-2W
IRTM 7359 CA/AWN	Open Hub 3 Spokes over 6W2H	IAWN 23H ICA/IAWN 25-3W	n/a	n/a	Open Hub 3 Spokes over 6W2H	IAWN 23H ICA/IAWN 25-3W
IRTM 7259 DH/DR	Open Hub 3 Spokes over 6W2H	ITDH 36-2W	n/a	n/a	Open Hub 3 Spokes over 6W2H	ITDH 36-2W

AVAILABLE DIVIDED LITE PATTERNS

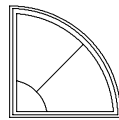
CN	Wood Grille	Unit Line Up	GBG	Unit Line Up	SDL	Unit Line Up
ROUND TOP per unit - Sunburst Lite Cut						
IRTM 4921 CA	4W2H	ICATR 16H	4W2H	ICATR 16H	4W2H	ICATR 16H
IRTM 4929 CA/AWN	4W3H	IAWN 23H	4W3H	IAWN 23H	4W3H	IAWN 23H
IRTM 4965 CA	4W5H	ICA 59H	4W5H	ICA 59H	4W5H	ICA 59H
IRTM 5724 CA	6W2H	ICATR 16H	6W2H	ICATR 16H	6W2H	ICATR 16H
IRTM 5731 CA/AWN	6W3H	IAWN 23H	6W3H	IAWN 23H	6W3H	IAWN 23H
IRTM 5767 CA	6W5H	ICA 59H	6W5H	ICA 59H	6W5H	ICA 59H
IRTM 6824 DH	6W2H	ITDHTR 16H	6W2H	ITDHTR 16H	6W2H	ITDHTR 16H
IRTM 6868 DH	6W5H	ITDH 60H	6W5H	ITDH 60H	6W5H	ITDH 60H
IRTM 7325 CA	6W2H	ICATR 16 ICA/IAWN 25-3W	6W2H	ICATR 16 ICA/IAWN 25-3W	6W2H	ICATR 16 ICA/IAWN 25-3W
IRTM 7333 CA/AWN	6W3H	IAWN 23H ICA/IAWN 25-3W	6W3H	IAWN 23H ICA/IAWN 25-3W	6W3H	IAWN 23H ICA/IAWN 25-3W
IRTM 7369 CA	6W5H	ICA 59 ICA/IAWN 25-3W	6W5H	ICA 59 ICA/IAWN 25-3W	6W5H	ICA 59 ICA/IAWN 25-3W
IRTM 7225 DH/DR	6W2H	ITDH 36-2W	6W2H	ITDH 36-2W	6W2H	ITDH 36-2W
IRTM 7233 DH/DR	6W3H	ITDH 36-2W	6W3H	ITDH 36-2W	6W3H	ITDH 36-2W
IRTM 7269 DH/DR	6W5H	ITDH 36-2W	6W5H	ITDH 36-2W	6W5H	ITDH 36-2W

Notes:

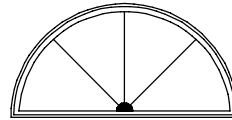
- Direct Glaze Round Tops with Wood Grilles, GBGs, or SDL will only align with the lite cut of the unit it is intended to be mulled with.



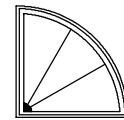
Open Hub, 3 Spokes
Sunburst Lite Cut
Wood Grilles, SDL



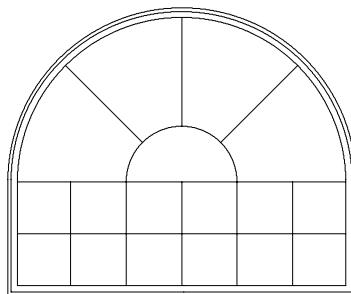
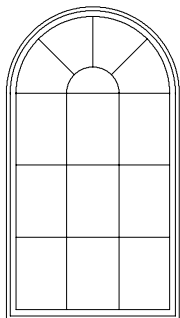
Open Hub, 1 Spoke
Sunburst Lite Cut
Wood Grilles, SDL



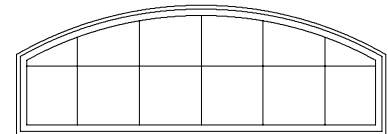
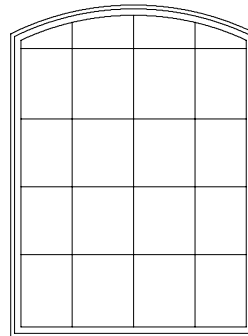
Solid Hub, 3 Spokes
Sunburst Lite Cut
GBGs



Solid Hub, 2 Spokes
Sunburst Lite Cut
GBGs



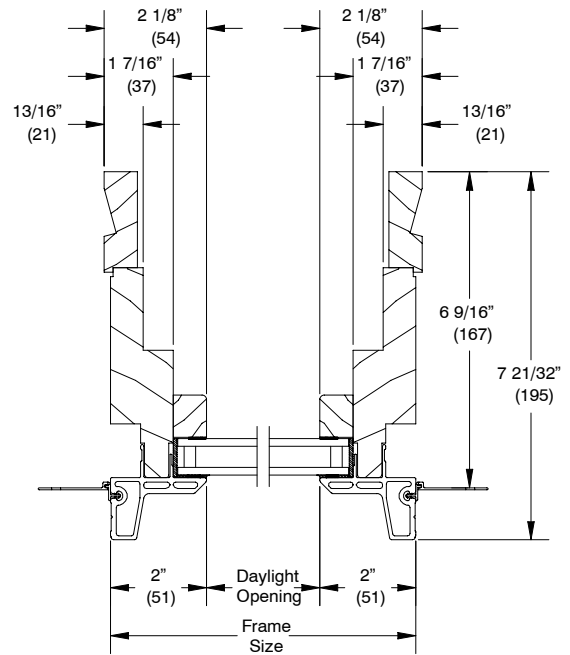
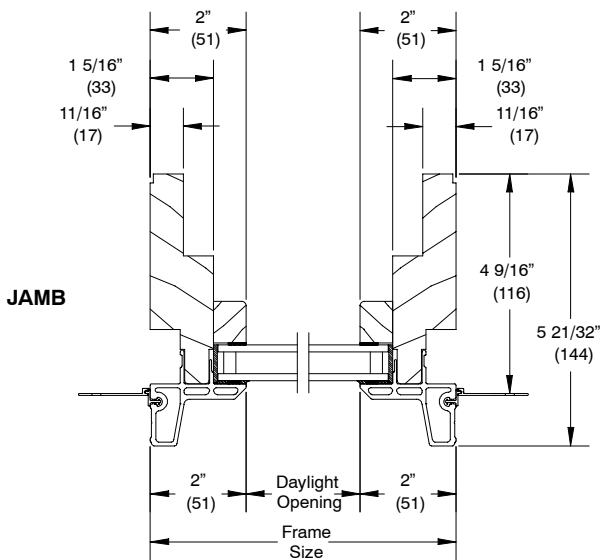
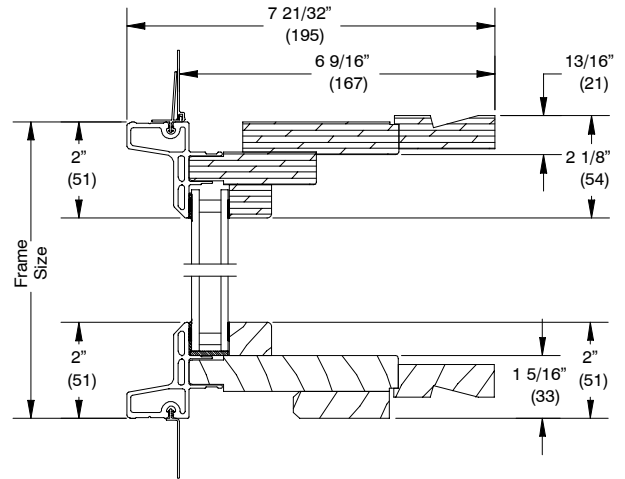
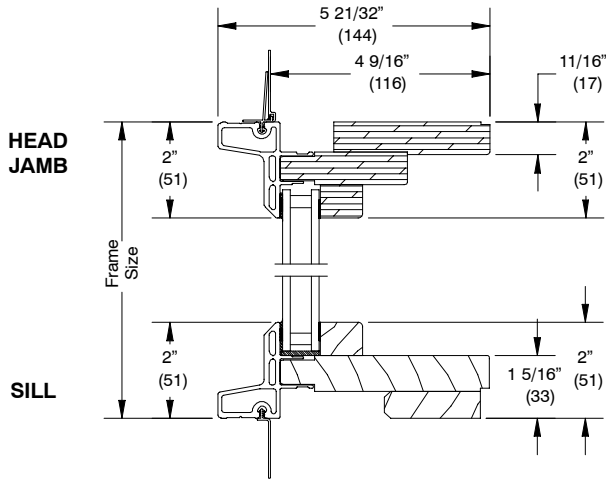
Open Hub, 3 Spokes Sunburst Lite Cut
Wood Grilles, SDL

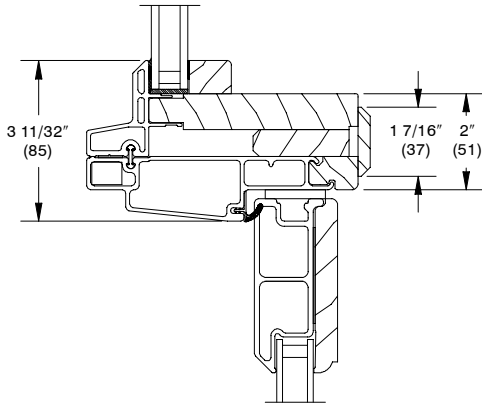


Rectangular Lite Cut
Wood Grilles, GBGs,SDL

DOUBLE HUNG/ DOOR - 4 9/16"

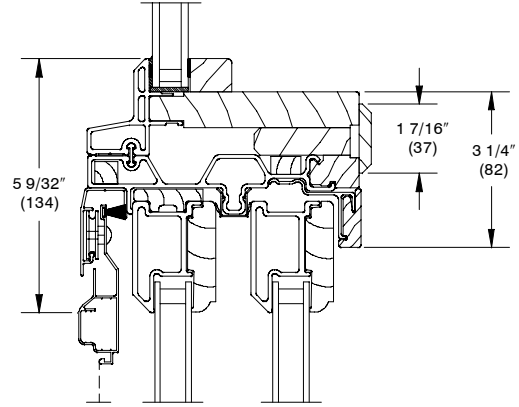
DOUBLE HUNG/ DOOR - 6 9/16"





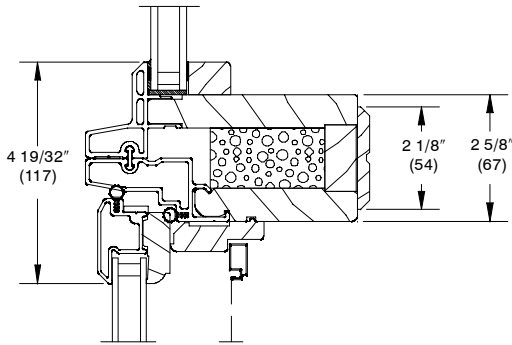
**ROUND TOP
OVER SWINGING DOOR**

NOTE:
 Contact your Integrity representative for
 factory mulling options.

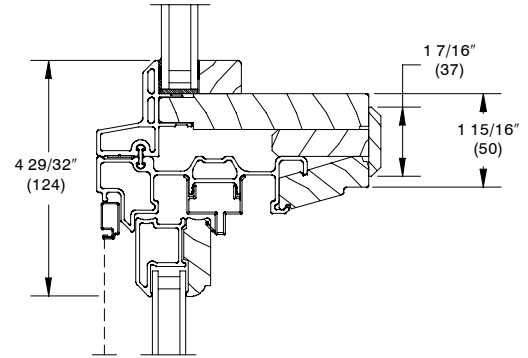


**ROUND TOP
OVER PATIO DOOR**

NOTE:
 Contact your Integrity representative for
 factory mulling options.

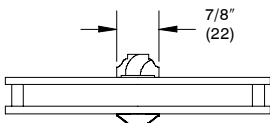


**ROUND TOP
OVER OPERATING CASEMENT**

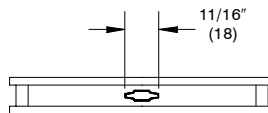


**ROUND TOP
OVER TRADITIONAL DOUBLE HUNG**

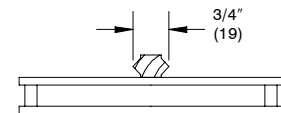
DIVIDED LITE OPTIONS



SIMULATED DIVDED LITE

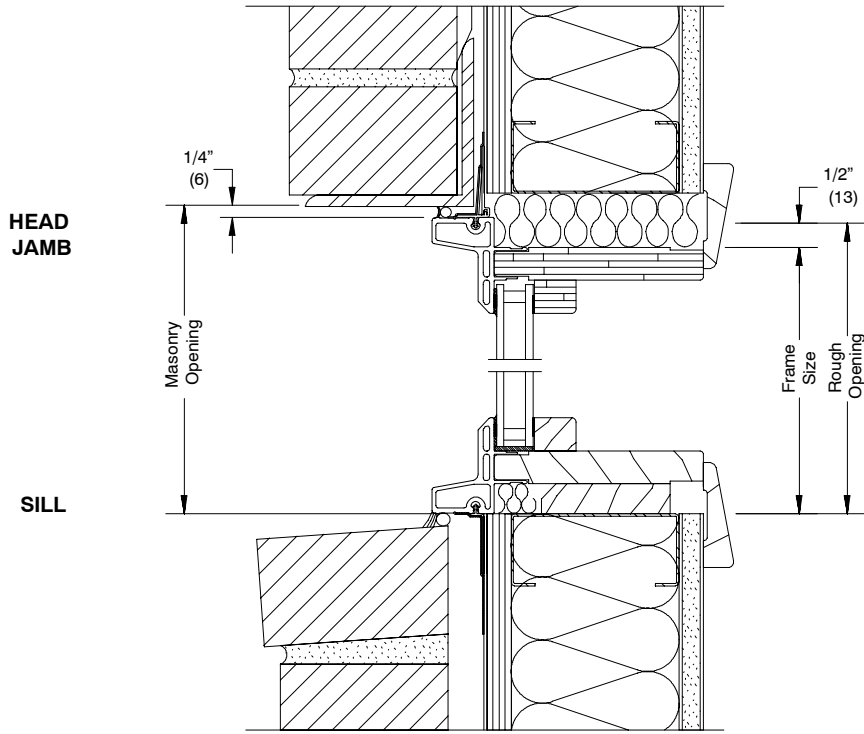


ALUMINUM GRILLE BETWEEN GLASS

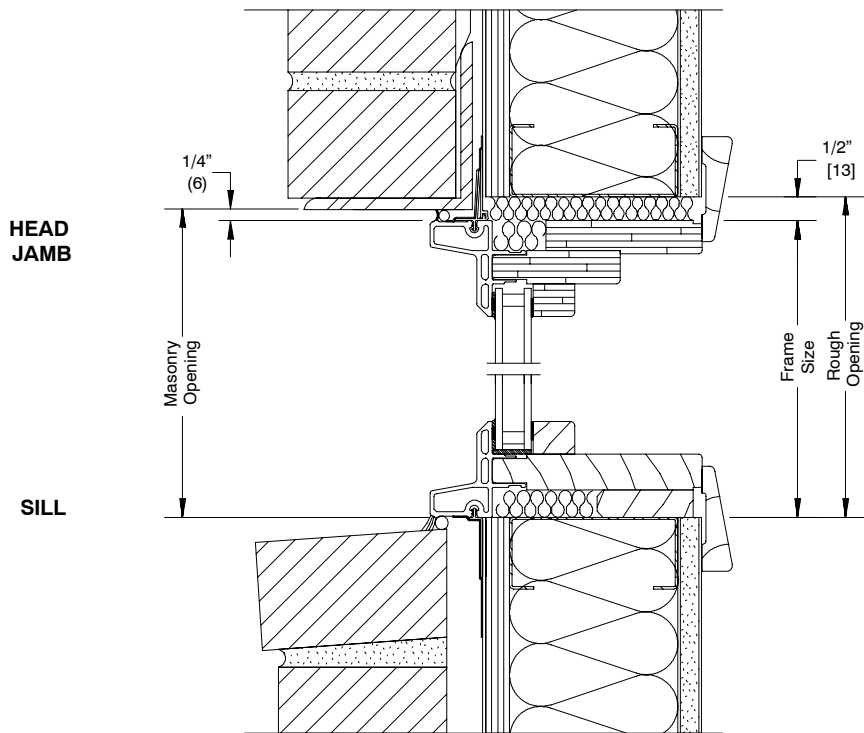


WOOD REMOVABLE GRILLE

CASEMENT ROUND TOP



DOUBLE HUNG ROUND TOP



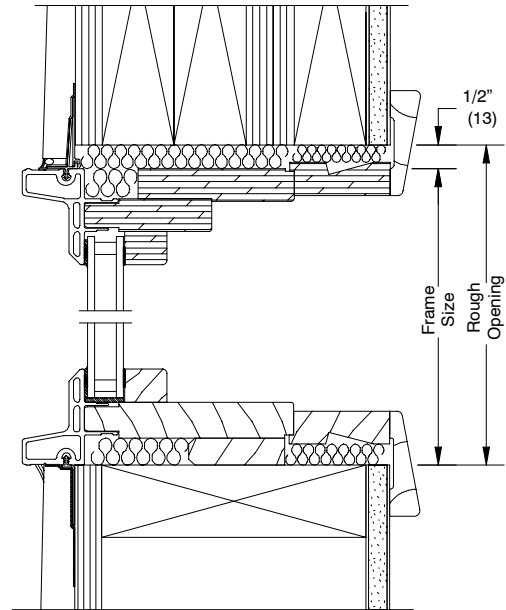
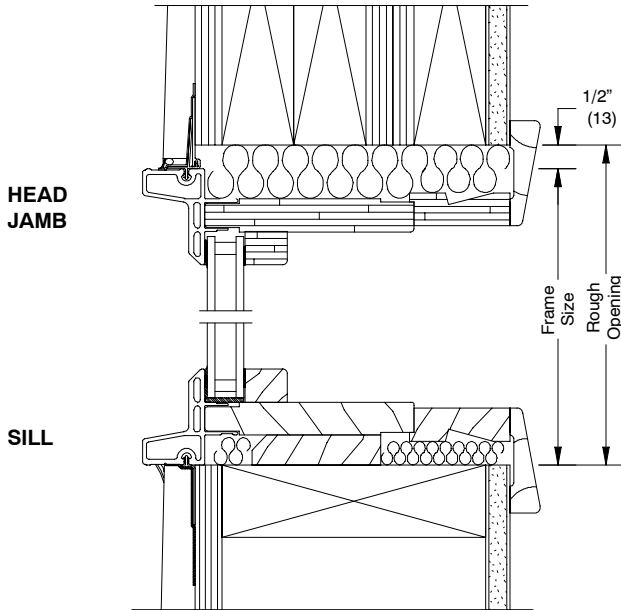
BRICK VENEER WITH STEEL FRAME CONSTRUCTION

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.

CASEMENT ROUND TOP

DOUBLE HUNG ROUND TOP

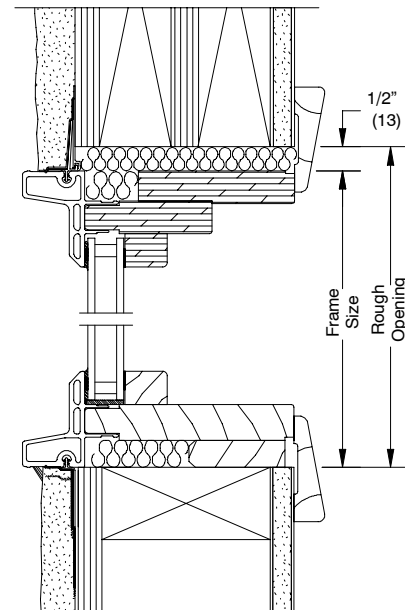
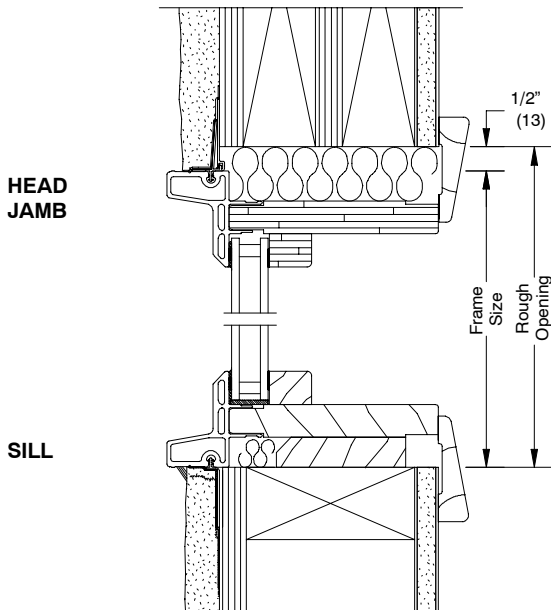


WOOD SIDING WITH 2X6 FRAME CONSTRUCTION

NOTE: Round Top unit shown with jamb extension

CASEMENT ROUND TOP

DOUBLE HUNG ROUND TOP



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.