

RIDGE AND EAVE VENTS



A breath of fresh air.

Ridge vents and eave vents are an essential part of any functioning glass structure with a functional, passive ventilation system. When the air is not vented, it becomes stagnant, stale, and allows diseases to breed. To help prevent this, ridge vents and eave vents need to be installed in a greenhouse. Both units are operable panes of glass enclosed within a frame separate from the greenhouse's structural frame. The ridge vent is very important to the greenhouse. Hot air rises and accumulates at the peak of the greenhouse. As the ridge vents are opened, the hot air escapes and fresh, cool air enters, allowing the air to circulate.

FEATURES

SYSTEM:

- Sloped & vertical operations
- Thermally enhanced aluminum profile
- Motorized operation possible
- Manual operation available with a pole operator
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

PERFORMANCE:

- Thermally broken utilizing thermal fill & debridge

GLAZING:

- Designed to accommodate almost any monolithic, insulated, laminated, decorative, polycarbonate, or solid panel infill from $\frac{3}{16}$ " to 1"
- Oversized units upon request

OPTIONS

FINISHES:

- Standard finishes
 - AAMA 2603: Bronze, White
 - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer finishes
 - AAMA 2603: Hartford Green, Black
 - Natural Clay, Sandstone
- Custom finishes
 - Powder coat finish: AAMA 2604 - 2605
 - Fluoropolymer (50% or 70%): AAMA 2604 - 2605
 - Wood veneer & metal cladding options

ACCESSORIES:

- Integrated rain sensors
- Integrated wireless remote, thermostatic controls
- Fixed mesh insect screen

FINISH OPTIONS

Paint AAMA 2603 (5 year warranty). Finishes available while in stock.

					
SI Black	SI White	SI Sandstone	SI Natural Clay	SI Bronze	SI Hartford Green











Anodized Additional cost

	
Class I Clear Anodized	Dark Bronze Anodized

Powder Coat Solids STANDARD - AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*

					
Black FRSL 11618	White FRSL 83247	Sandstone FRSL 46647	Natural Clay FRSL 47591	Bronze FRML 97138	Hartford Green FRSL 32872

Powder Coat Solids PREMIUM - AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*

									
Apollo White FRSL 82908	Bone White FRSL 82909	Ivory FRSL 46646	Seawolf FRSL 46645	Fashion Gray FRSL 74652	Colonial Gray FRSL 74653	Charcoal FRSL 74654	Antique Bronze FRSL 46648	Burgundy FRSL 62496	Military Light Blue FRSL 21709

Visit <https://www.ifscoatings.com/content/assets/Uploads/brochures/IFS-Architectural-Digital-Color-Card.pdf> for additional metallic and anodic finishes.

Metal Clad STANDARD* (EXTERIOR ONLY)

	
Copper	#4 Polished Stainless Steel

Metal Clad PREMIUM*

				
Rheinzink Bright Rolled**	Rheinzink Blue Gray**	Rheinzink Graphite Gray**	Brass	Bronze

Decoral Finishes (Powder Coat)*

	Aged Dark Oak		Aged Light Oak		American Douglas		American Maple		Cherry		Cherry w/Flame		Colony Maple		Dark Walnut
	European Cherry		Golden Oak		Knotty Pine		National Walnut		Oak		Oregon Douglas		Table Cherry		Teak

Wood Veneering (Unfinished) STANDARD*





			
Douglas Fir	White Oak	Walnut	Mahogany

Note: wood veneering is for interior applications only. Available on a limited basis due to vendor supply.

Wood Veneering (Unfinished) PREMIUM*

		
White Pine	Pecan Pine	Cherry

Wood/Glulam STANDARD*

			
Red Oak	White Ash	Hard Maple	White Oak

Wood/Glulam PREMIUM*

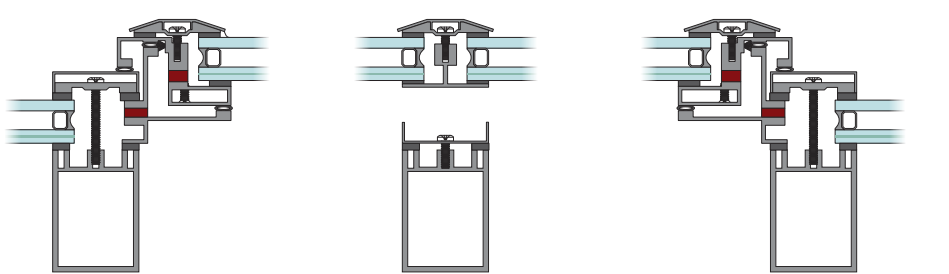
			
Douglas Fir	Cherry	Sapele Mahogany	Walnut

*Lead times subject to availability. ** Special order.

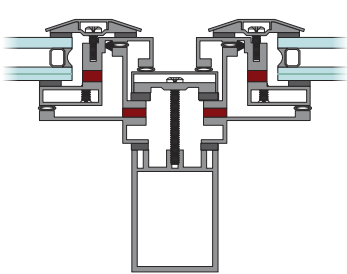
Note: Depending upon color selection, additional charges and increased lead times may apply. Extended warranties and service plans are available for an additional charge. Examples are shown as accurate as photography and printing processes allow. Final finish selection should be made from a physical sample; contact Solar Innovations® for samples. Product and finish options are subject to vendor availability. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color match, are available; contact Solar Innovations® for details.

SASH DETAILS

Multiple Bays

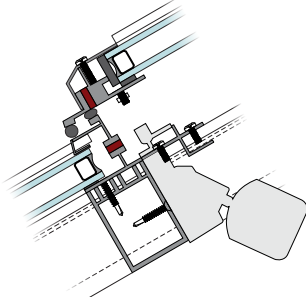
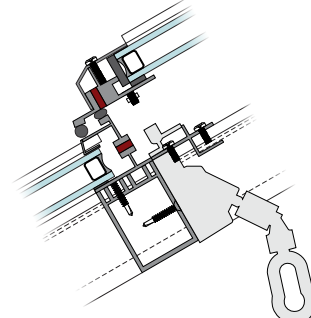
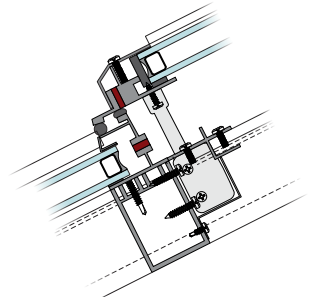
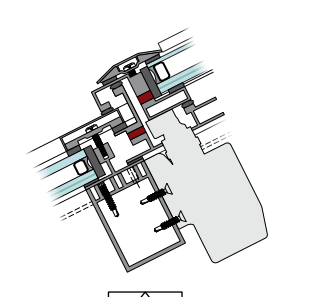
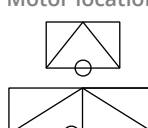
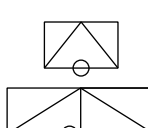

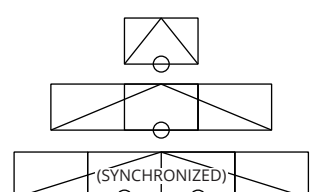


Sash to Sash Jamb

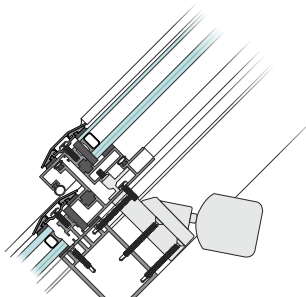
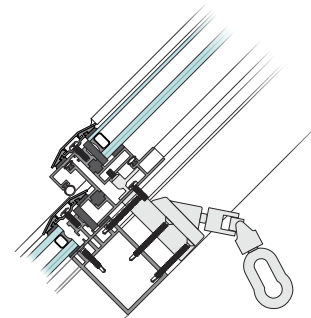
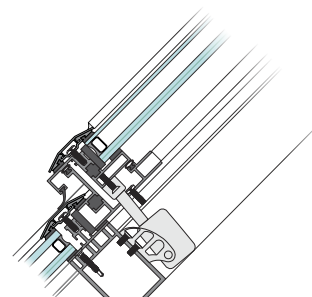
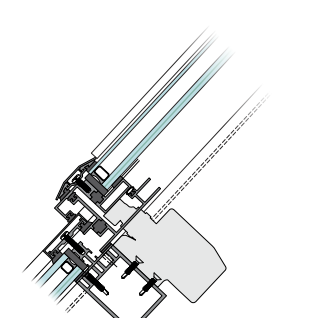

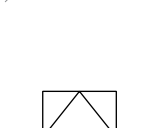
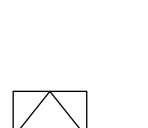
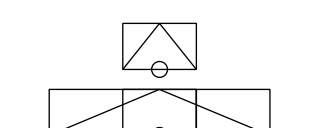


 THERMAL BREAK

G1 MOTOR DETAILS

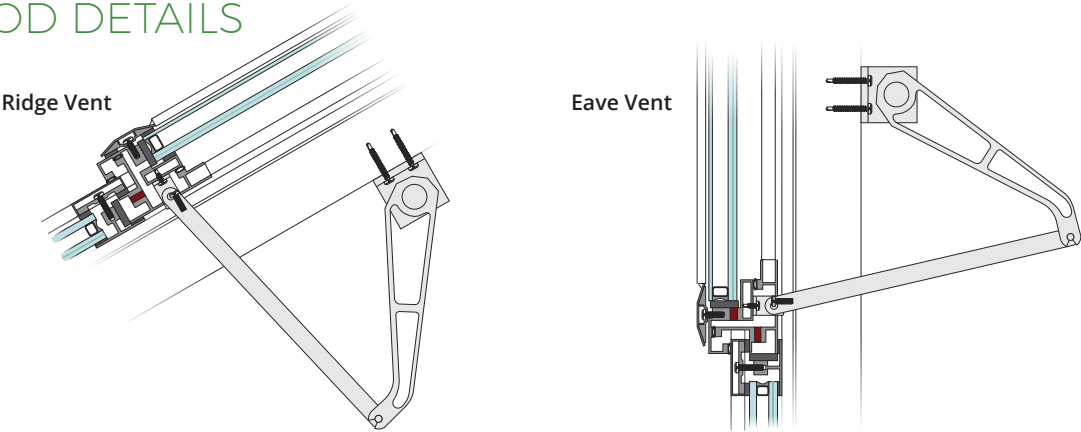
WLS (Not in moist environment)	Manual with Pole (Some moisture resistance)	Marvel (Limited moisture resistance)	WindowMaster (Highest moisture resistance)
			
<p>Motor location</p> 			
Maximum sash weight: 80 lbs.	Maximum sash weight: 140 lbs.	Maximum sash weight: 90 lbs.	Maximum sash weight: 90-450 lbs. dependent on model

G2 MOTOR DETAILS

WLS (Not in moist environment)	Manual with Pole (Some moisture resistance)	Marvel (Limited moisture resistance)	WindowMaster (Highest moisture resistance)
			
<p>Motor location</p> 			
Maximum sash weight: 80 lbs.	Maximum sash weight: 140 lbs.	Maximum sash weight: 90 lbs.	Maximum sash weight: 90-450 lbs. dependent on model

 THERMAL BREAK

ARM & ROD DETAILS

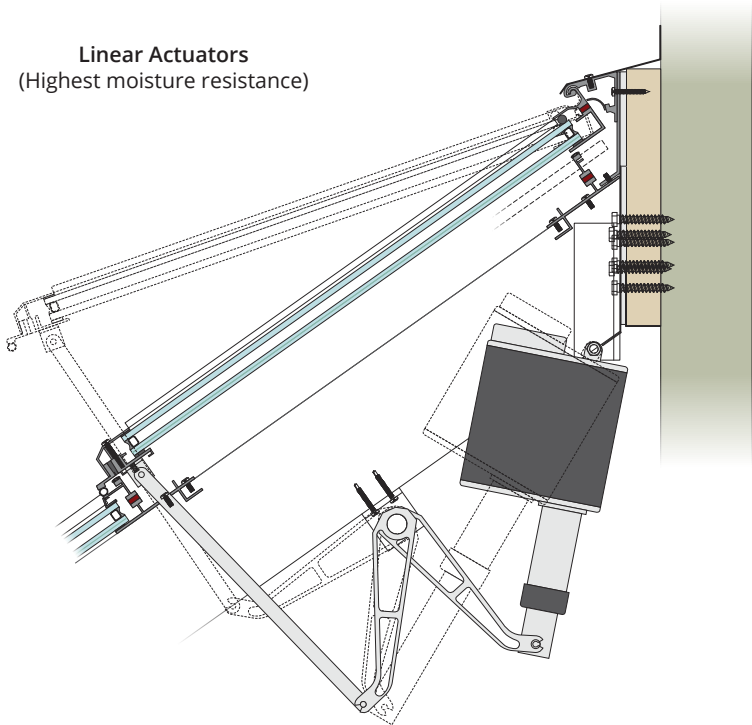


 THERMAL BREAK

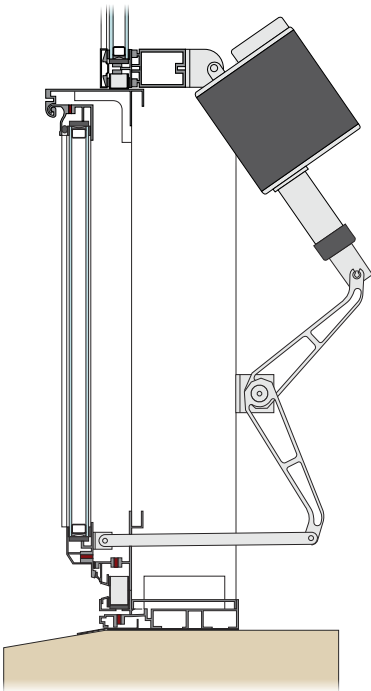


RIDGE VENT MOTOR DETAILS

Linear Actuators
(Highest moisture resistance)



EAVE VENT MOTOR DETAILS



THERMAL BREAK

GLASS SPECIFICATIONS

	Overall Unit Thickness	U-Value	R-Value	Solar Heat Gain Coefficient	Visible Light Transmission	Reflectance Out	Reflectance In	UV Transmittance
DOUBLE GLAZED Outside Lite/Inside Lite								
Clear/Clear	1"	0.46	2.17	0.78	82%	15%	15%	58%
180/Clear	1"	0.26	3.85	0.64	79%	15%	15%	29%
272/Clear	1"	0.25	4.00	0.41	72%	11%	12%	16%
366/Clear	1"	0.24	4.17	0.27	65%	11%	12%	5%
340/Clear	1"	0.25	4.00	0.18	39%	11%	13%	2%
180/i89	1"	0.21	4.76	0.62	77%	15%	14%	27%
272/i89	1"	0.20	5.00	0.41	70%	11%	11%	16%
366/i89	1"	0.20	5.00	0.27	63%	11%	11%	5%
340/i89	1"	0.20	5.00	0.17	38%	11%	12%	2%
Gray/Clear	1"	0.45	2.22	0.60	57%	9%	13%	32%
Gray/180	1"	0.26	3.85	0.49	53%	9%	14%	17%
Gray/272	1"	0.25	4.00	0.38	50%	8%	9%	10%
Bronze/Clear	1"	0.45	2.22	0.62	61%	10%	13%	31%
Bronze/180	1"	0.26	3.85	0.61	59%	10%	14%	17%
Bronze/272	1"	0.25	4.00	0.39	54%	8%	10%	10%
TRIPLED GLAZED Outside Lite/Middle Lite/Inside Lite								
180/Clear/180	1⅞"	0.15	6.67	0.56	70%	20%	20%	13%
272/Clear/180	1⅞"	0.15	6.67	0.37	63%	15%	18%	8%
366/Clear/180	1⅞"	0.15	6.67	0.25	57%	14%	18%	2%
340/Clear/180	1⅞"	0.15	6.67	0.16	34%	13%	19%	1%