

# ALUMINUM CURTAIN WALL SYSTEMS



## Daylight from floor to ceiling.

Curtain Walls, also known as Window Walls, are an excellent way to flood a room with natural light while remaining protected from the elements. These durable aluminum-framed units can be used as part of an exterior wall or to divide interior spaces and can span multiple floors. Operable windows and doors can be integrated into the system to add ventilation and/or egress. The sills and framing are thermally enhanced to help regulate the temperature difference between indoors and outdoors. Our Curtain Walls make a dramatic statement for newly constructed and renovation projects alike.

## FEATURES

### PANELS:

- Outside set, pressure plate glazed system
- Overlapping construction creates positive drainage within profiles.
- Turn-key solutions
- LEED friendly system including recycled content
- Two-sided structurally-glazed system available, upon request

### PERFORMANCE:

- Large missile impact tested
- Thermally enhanced profiles and sill members
- Test results available upon request

## OPTIONS

### FINISHES:

- Standard AAMA 2603 paint finishes: Black, White, Sandstone, Natural Clay, Bronze and Hartford Green
- AAMA 611 Class I anodized finishes: Clear, Dark Bronze
- Standard AAMA 2605 powder coat finishes: Black, White, Sandstone, Natural Clay, Bronze and Hartford Green
- Premium AAMA powder coat finishes
- Custom finishes:
  - Fluoropolymer (50% or 70%): AAMA 2605
  - Faux wood (Decoral)

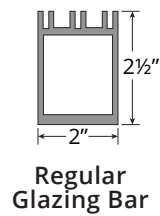
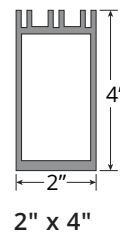
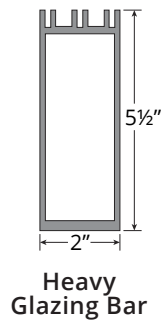
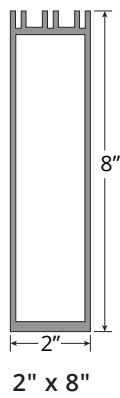
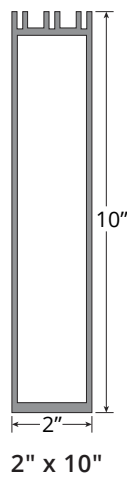
### ACCESSORIES:

- Door and window system integration options
- Decorative accessories, including cover caps, interior trim, and simulated divided lites (SDLs)

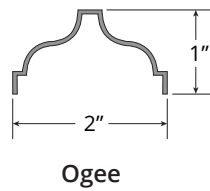
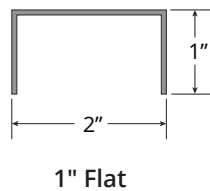
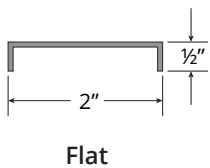




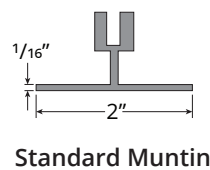
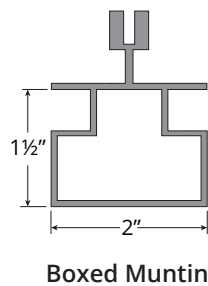
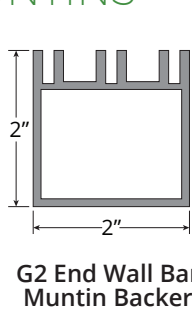
# SYSTEM RAFTERS



# COVER CAPS

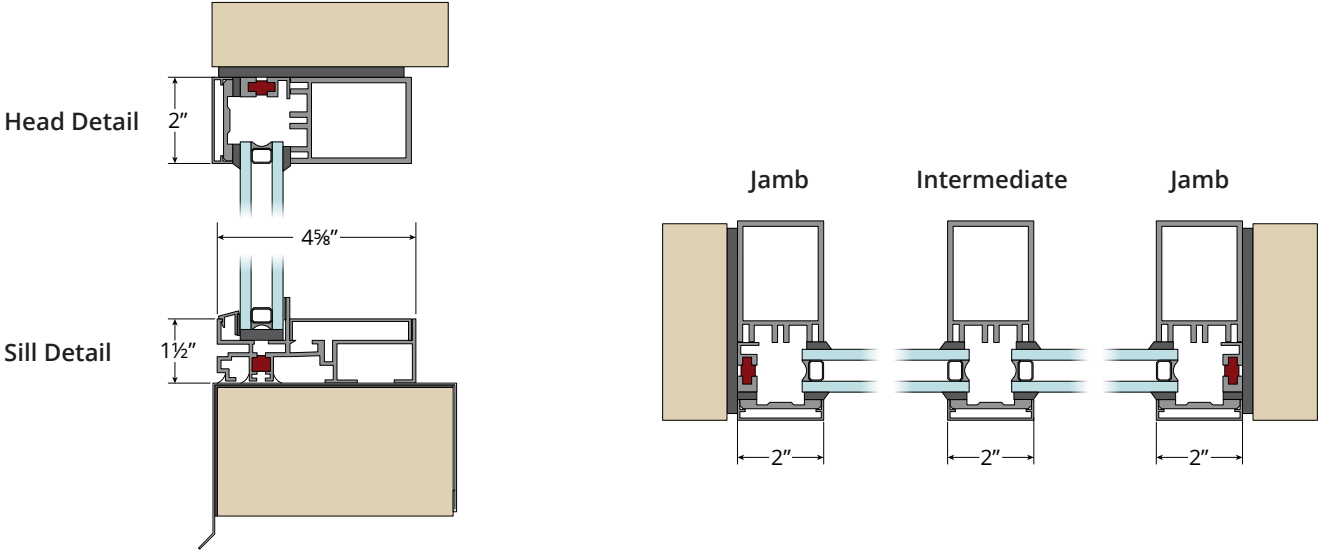


# MUNTINS

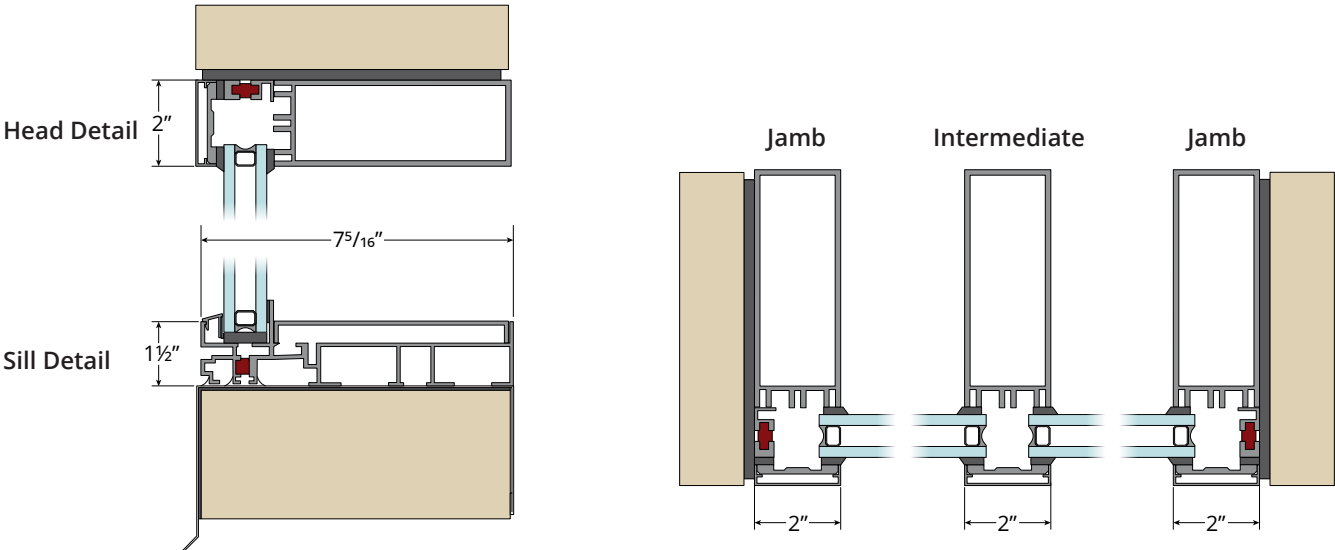




## REGULAR GLAZING BAR, PRESSURE PLATE GLAZED



## HEAVY GLAZING BAR, PRESSURE PLATE GLAZED





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

White

Sandstone

Natural Clay

Bronze

Hartford Green

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

Apollo White

Bone White

Ivory

Seawolf

Fashion Gray

Colonial Gray

Charcoal

Antique Bronze

Burgundy

Military Light Blue

Visit <https://www.ifsc coatings.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

\*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.

TESTING

Air & Structure Impact Testing								
System	Test Number	Panel Size	Certification	Impact	Design Pressure	Air Infiltration	Water (@ 5.0 GPH/ft²)	Glazing
G2 Heavy Glazing Bar	18578.3 (FL) 110-15389-1 (NCTL)	60"W x 115"H	Florida	Yes	Max ±65 PSF	<0.01 CFM/ft² at 1.57 PSF 0.02 CFM/ft² at 6.24 PSF	20 PSF	1 1/16" HS IGU .090 SGP Interlayer
2x4	18578.2 (FL) 110-23309-1 (NCTL)	60"W x 90"H	Florida	Yes	Max ±65 PSF	0.04 CFM/ft² at 1.57 PSF 0.08 CFM/ft² at 6.24 PSF	12 PSF	1 1/16" Annealed IGU .090 SGP Interlayer

NFRC Testing						
Glass Make-Up	Size	U-Value	SHGC	VT	CR	
3/16" LoE 366 over 3/16" LoE i89	79"W x 78¾"H	0.27	0.25	0.55	0.53	
3/16" LoE 366 over 3/16" Clear	79"W x 78¾"H	0.31	0.25	0.56	0.61	
¼" LoE 366 over ¼" LoE i89	79"W x 78¾"H	0.27	0.25	0.55	0.52	

Acoustical Testing				
Test Number	Size	Framing	STC	OITC
G3482.01	79"W x 78¾"H	HGB	33	28

**Please Note:** Testing and performance results may vary depending upon sill, size, and hardware selections. Please be sure to visit our website at [www.solarinnovations.com](http://www.solarinnovations.com) or contact your Solar Innovations® representative for additional product information. **Additional testing (non-impact) available upon request.**

**Learn More**

To find out more about the features and options of our aluminum curtain walls, visit our website at [solarinnovations.com/our-products/aluminum-windows/curtain-wall/](http://solarinnovations.com/our-products/aluminum-windows/curtain-wall/) or contact one of our sales representatives at 800 618 0669.



## GLASS SPECIFICATIONS

	Overall Unit Thickness	U-Value	R-Value	Solar Heat Gain Coefficient	Visible Light Transmission	Reflectance Out	Reflectance In	UV Transmittance
<b>MONOLITHIC</b>								
Clear	¼"	1.02	0.91	0.82	88%	8%	8%	62%
<b>DOUBLE GLAZED Outside Lite/Inside Lite</b>								
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%
SolarBan 60/Clear	1"	0.24	-	0.39	70%	11%	12%	20%
SolarBan 70/Clear	1"	0.24	-	0.27	64%	14%	13%	6%
SolarBan 90/Clear	1"	0.24	-	0.23	51%	12%	19%	8%
<b>TRIPLE GLAZED Outside Lite/Middle Lite/Inside Lite</b>								
180/Clear/180	1½"	0.15	6.67	0.56	70%	20%	20%	13%
272/Clear/180	1½"	0.15	6.67	0.37	63%	15%	18%	8%
366/Clear/180	1½"	0.15	6.67	0.25	57%	14%	18%	2%
340/Clear/180	1½"	0.15	6.67	0.16	34%	13%	19%	1%