

High Performance Prismatic Daylighting

ARCHITECTURAL CATALOG





OUR MISSION

A Sustainable Energy Future

SUNOPTICS is dedicated to creating the finest daylighting environments in which to work, shop, learn, live and play, and we are committed to reducing America's ever increasing energy use. Our primary focus is to design and manufacture the highest quality skylights that maximize light transmission while providing the optimum level of light diffusion. However, our goal is to educate building owners, developers, architects and engineers that there isn't a more efficient and cost effective way to harness the energy of the sun to save energy and the environment.

Enclosed in this catalog you will find technical data and product information sheets designed to help you specify SUNOPTICS broad range of products. Our diverse staff is also available to assist you in energy and lighting calculations as well as CAD design needs. We provide personal and exceptional customer assistance, while seeking to educate the public about the environmental, economic, social and personal benefits of good daylighting design.

A Few Facts

In 1978, **SUNOPTICS** introduced the plastic prismatic skylight, a unique concept in skylight optical design. What makes prismatic skylights better than conventional white or clear skylights are the thousands of tiny prisms – over 4,000 per square foot. The prisms refract direct sunlight into thousands of micro sun beams. The result is a soft yet bright natural light, directed throughout the room.

Daylighting can replace electric light up to 70% of daylight hours. This can mean tremendous energy savings in buildings that operate during the day such as schools, offices, warehouses, factories and retail stores. In fact, the short-term payback can be as little as two years. Over the long term, daylighting reduces greenhouse gases and the pollution of water and air, the by-products of generating electricity from coal fired plants.

Daylighting provides full-spectrum, energy free light. In study after study, daylighting is correlated to dramatic improvements in retail, workplace and educational venues. A study initiated by Pacific Gas and Electric showed that students with the most daylighting in their classrooms progressed 20 percent faster on math tests and 26 percent faster on reading tests in one year than those with the least. In the retail setting, daylighting dramatically increased sales by 40%.

Economically and environmentally, daylighting with **SUNOPTICS PRISMATIC SKYLIGHTS** makes sense. Afterall, ***there's no greater efficiency than off!***



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WWW.SUNOPTICS.COM



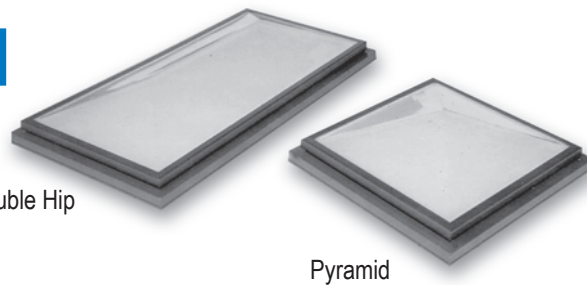
SECTION 1

Fixed & Venting Prismatic Skylights



Double Glazed

Double Hip & Pyramid



Frame Model 800MD
Section 08620

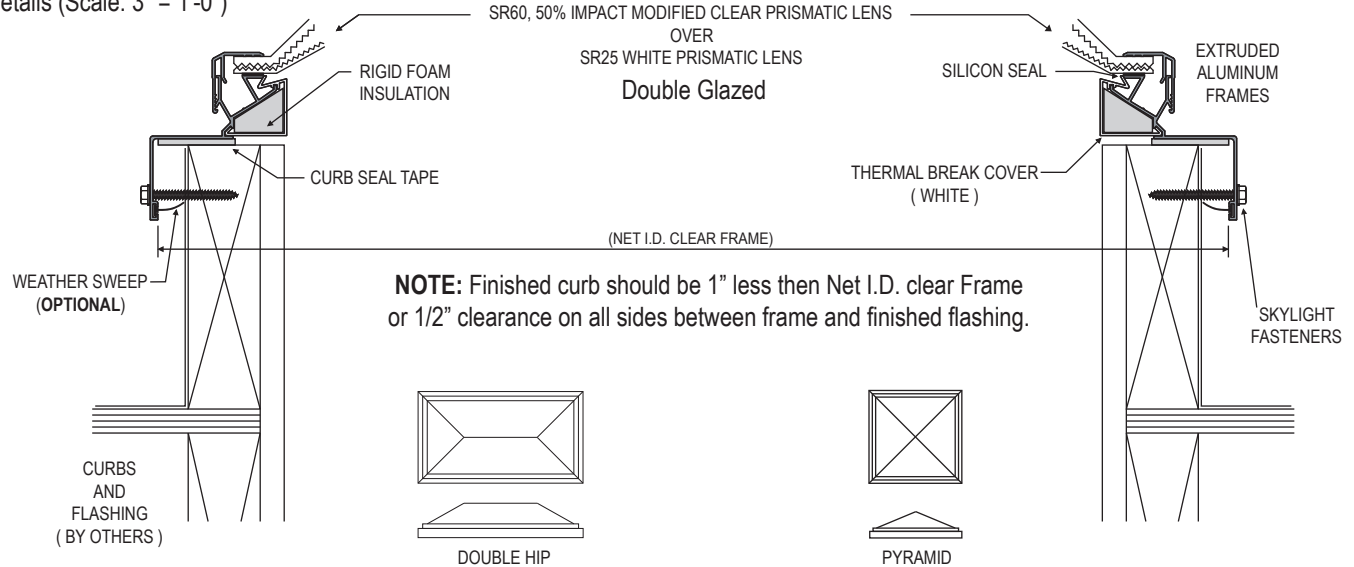
Available Frame Finish

Natural Mill (Aluminum)
Dark Bronze (Powder Coat Paint)
White (Powder Coat Paint)

Custom Colors Available

Fixed Skylights with Insulated Thermal Break

Details (Scale: 3" = 1'-0")



Standard Sizes

Size	Pyramid	Double Hip	Net I.D. Clear Frame
1414	■	■	18 5/8" x 18 5/8"
1420	■	■	18 5/8" x 26 5/8"
1430	■	■	18 5/8" x 38 5/8"
1440	■	■	18 5/8" x 50 5/8"
2020	■	■	26 5/8" x 26 5/8"
2030	■	■	26 5/8" x 38 5/8"
2040	■	■	26 5/8" x 50 5/8"
2060	■	■	26 5/8" x 74 5/8"
2080	■	■	26 5/8" x 98 5/8"
2828	■	■	34 5/8" x 34 5/8"
2840	■	■	34 5/8" x 50 5/8"
3030	■	■	38 5/8" x 38 5/8"
3040	■	■	38 5/8" x 50 5/8"
3060	■	■	38 5/8" x 74 5/8"
3080	■	■	38 5/8" x 98 5/8"
4040	■	■	50 5/8" x 50 5/8"
4060	■	■	50 5/8" x 74 5/8"
4080	■	■	50 5/8" x 98 5/8"

**CUSTOM
SIZES
AVAILABLE**

Solar Heat Gain Coefficient = .51, U Value = .77, Visible Light Transmission = .68 (Acrylic Glazing Only)

Specifications

- Skylights shall be Sunoptics model 800MD (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T5 aluminum, finish as specified by architect. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. Skylight frames shall be insulated and thermally broken. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- Skylights shall be Double glazed using SR60, 50% Impact Modified clear prismatic outer lens over SR25 white prismatic inner lens, CC2 acrylic, glazed in a pyramid or double hip configuration.
- Double Hip Units are tested and certified to AAMA/WDMA/CSA101/I.S.2/A440-05 to comply with section 2405.5 of the International Building Code.

Triple Glazed Double Hip & Pyramid

Fixed Skylight
with Insulated Thermal Break

Double Hip

Pyramid

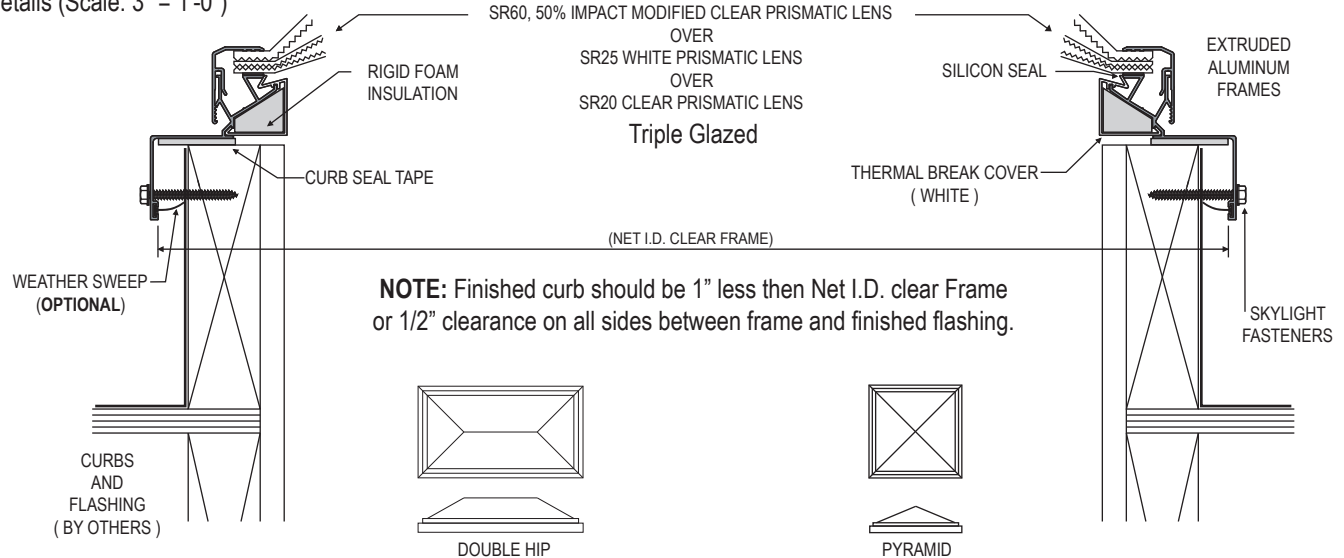
Frame Model 800MD
Section 08620

Available Frame Finish

Natural Mill (Aluminum)
Dark Bronze (Powder Coat Paint)
White (Powder Coat Paint)

Custom Colors Available

Details (Scale: 3" = 1'-0")



Standard Sizes

Size	Pyramid	Double Hip	Net I.D. Clear Frame
1414	■		18 5/8" x 18 5/8"
1420		■	18 5/8" x 26 5/8"
1430		■	18 5/8" x 38 5/8"
1440		■	18 5/8" x 50 5/8"
2020	■		26 5/8" x 26 5/8"
2030		■	26 5/8" x 38 5/8"
2040		■	26 5/8" x 50 5/8"
2060		■	26 5/8" x 74 5/8"
2080		■	26 5/8" x 98 5/8"
2828	■		34 5/8" x 34 5/8"
2840		■	34 5/8" x 50 5/8"
3030	■		38 5/8" x 38 5/8"
3040		■	38 5/8" x 50 5/8"
3060		■	38 5/8" x 74 5/8"
3080		■	38 5/8" x 98 5/8"
4040	■		50 5/8" x 50 5/8"
4060		■	50 5/8" x 74 5/8"
4080		■	50 5/8" x 98 5/8"

CUSTOM
SIZES
AVAILABLE

Solar Heat Gain Coefficient = .52, U Value = .48, Visible Light Transmission = .57 (Acrylic Glazing Only)

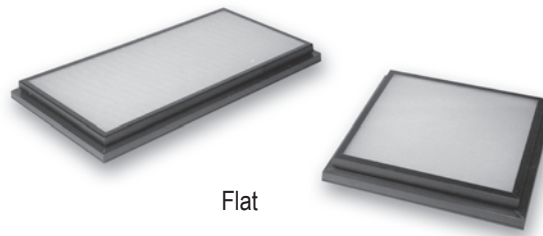
Specifications

- Skylights shall be Sunoptics model 800MD (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T6 aluminum, finish as specified by architect. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. Skylight frames shall be insulated and thermally broken. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- Skylights shall be Triple glazed using SR60, 50% Impact Modified clear prismatic outer lens over SR25 white prismatic middle lens over SR20 clear prismatic lower lens, CC2 acrylic, glazed in a pyramid or double hip configuration.

Triple Glazed

Flat Style

Fixed Skylight with Thermal Break



Flat

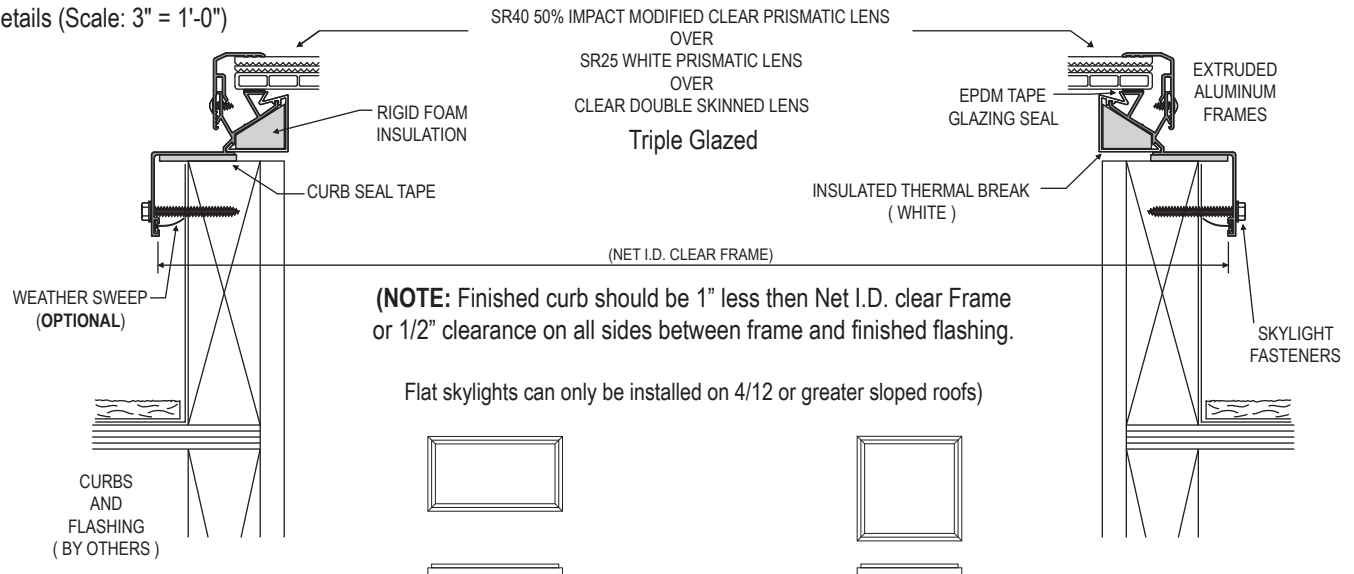
Frame Model 800MD
Section 08620

Available Frame Finish

Natural Mill (Aluminum)
Dark Bronze (Powder Coat Paint)
White (Powder Coat Paint)

Custom Colors Available

Details (Scale: 3" = 1'-0")



Standard Sizes

Size	Net I.D. Clear Frame
1414	18 5/8" x 18 5/8"
1420	18 5/8" x 26 5/8"
1430	18 5/8" x 38 5/8"
1440	18 5/8" x 50 5/8"
2020	26 5/8" x 26 5/8"
2030	26 5/8" x 38 5/8"
2040	26 5/8" x 50 5/8"
2060	26 5/8" x 74 5/8"
2080	26 5/8" x 98 5/8"
2828	34 5/8" x 34 5/8"
2840	34 5/8" x 50 5/8"
3030	38 5/8" x 38 5/8"
3040	38 5/8" x 50 5/8"
3060	38 5/8" x 74 5/8"
3080	38 5/8" x 98 5/8"
4040	50 5/8" x 50 5/8"
4060	50 5/8" x 74 5/8"
4080	50 5/8" x 98 5/8"

CUSTOM
SIZES
AVAILABLE

Solar Heat Gain Coefficient = .52, U Value = .48, Visible Light Transmission = .57 (Acrylic Glazing Only)

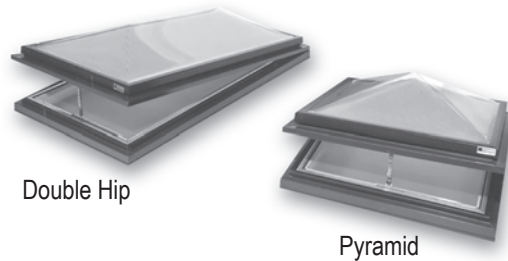
Specifications

- Skylights shall be Sunoptics model 800MD (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T6 aluminum, finish as specified by architect. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. Skylight frames shall be insulated and thermally broken. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- Skylights shall be Triple glazed using SR40, 50% Impact Modified Clear prismatic outer lens over SR25 White prismatic inner lens over Clear double skinned acrylic lower lens, CC2 acrylic, glazed in a flat configuration. (Requires Minimum 4" on 12" slope roof.)

Double Glazed

Double Hip & Pyramid

Venting Skylight with Thermal Break



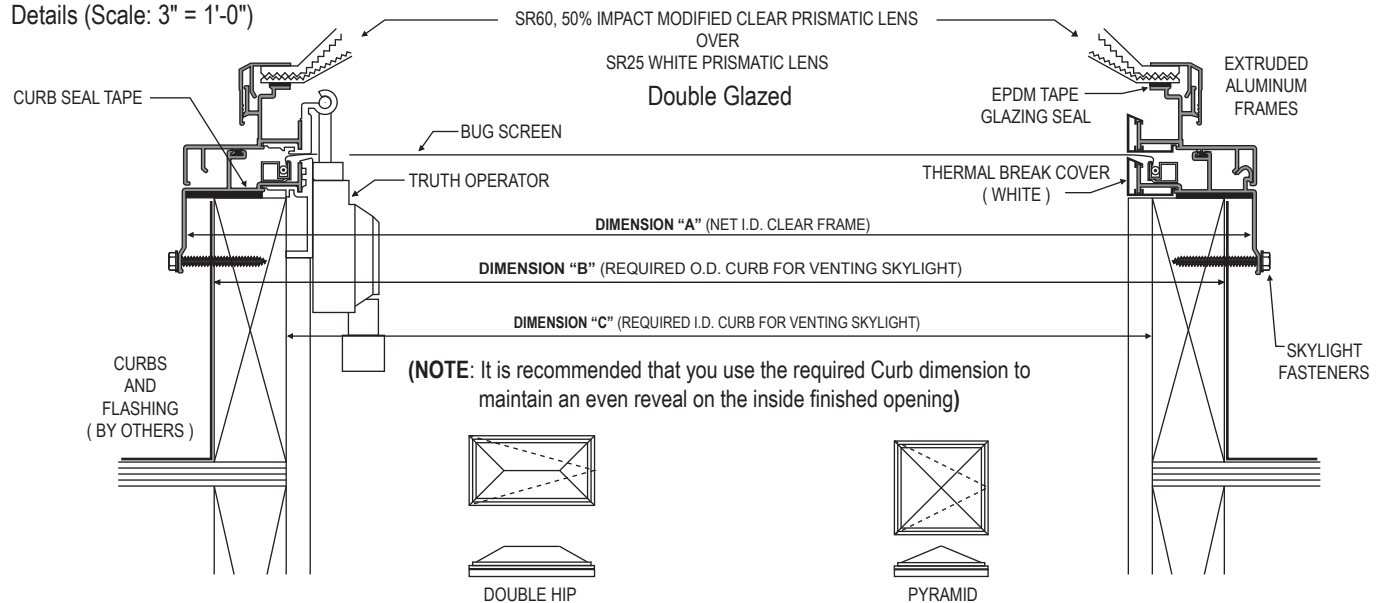
Frame Model 840B
Section 08620

Available Frame Finish

Natural Mill (Aluminum)
Dark Bronze (Powder Coat Paint)
White (Powder Coat Paint)

Custom Colors Available

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Pyramid	Double Hip	Dimension "A" Net I.D. Clear Frame	Dimension "B" Required O.D. Curb, for Venting Skylight	Dimension "C" Required I.D. Curb, for Venting Skylight
1414	■		18 5/8" x 18 5/8"	17 1/2" x 17 1/2"	14 1/2" x 14 1/2"
1420		■	18 5/8" x 26 5/8"	17 1/2" x 25 1/2"	14 1/2" x 22 1/2"
1430		■	18 5/8" x 38 5/8"	17 1/2" x 37 1/2"	14 1/2" x 34 1/2"
1440		■	18 5/8" x 50 5/8"	17 1/2" x 49 1/2"	14 1/2" x 46 1/2"
2020	■		26 5/8" x 26 5/8"	25 1/2" x 25 1/2"	22 1/2" x 22 1/2"
2030		■	26 5/8" x 38 5/8"	25 1/2" x 37 1/2"	22 1/2" x 34 1/2"
2040		■	26 5/8" x 50 5/8"	25 1/2" x 49 1/2"	22 1/2" x 46 1/2"
2060		■	26 5/8" x 74 5/8"	25 1/2" x 73 1/2"	22 1/2" x 70 1/2"
2080		■	26 5/8" x 98 5/8"	25 1/2" x 97 1/2"	22 1/2" x 94 1/2"
2828	■		34 5/8" x 34 5/8"	33 1/2" x 33 1/2"	30 1/2" x 30 1/2"
2840		■	34 5/8" x 50 5/8"	33 1/2" x 49 1/2"	30 1/2" x 46 1/2"
3030	■		38 5/8" x 38 5/8"	37 1/2" x 37 1/2"	34 1/2" x 34 1/2"
3040		■	38 5/8" x 50 5/8"	37 1/2" x 49 1/2"	34 1/2" x 46 1/2"
3060		■	38 5/8" x 74 5/8"	37 1/2" x 73 1/2"	34 1/2" x 70 1/2"
3080		■	38 5/8" x 98 5/8"	37 1/2" x 97 1/2"	34 1/2" x 94 1/2"
4040	■		50 5/8" x 50 5/8"	49 1/2" x 49 1/2"	46 1/2" x 46 1/2"
4060		■	50 5/8" x 74 5/8"	49 1/2" x 73 1/2"	46 1/2" x 70 1/2"
4080		■	50 5/8" x 98 5/8"	49 1/2" x 97 1/2"	46 1/2" x 94 1/2"

**CUSTOM
SIZES
AVAILABLE**

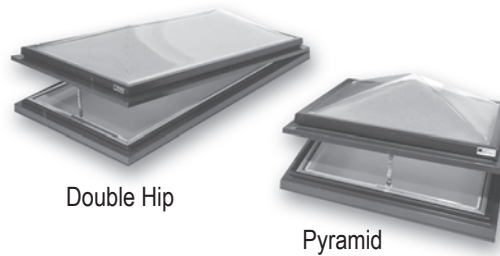
Solar Heat Gain Coefficient = .41, U Value = .77, Visible Light Transmission = .68 (Acrylic Glazing Only)

Specifications

- Skylights shall be Sunoptics model 840B (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T5 aluminum, finish as specified. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. Skylight frames shall be thermally broken. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- Skylights shall be operated using Truth Inc. chain drive manual operator and include a bug screen.
- Skylights shall be double glazed using SR60, 50% Impact Modified clear prismatic outer lens over SR25 white prismatic inner lens, CC2 acrylic, glazed in a pyramid or double hip configuration.

Triple Glazed Double Hip & Pyramid

Venting Skylight with Thermal Break



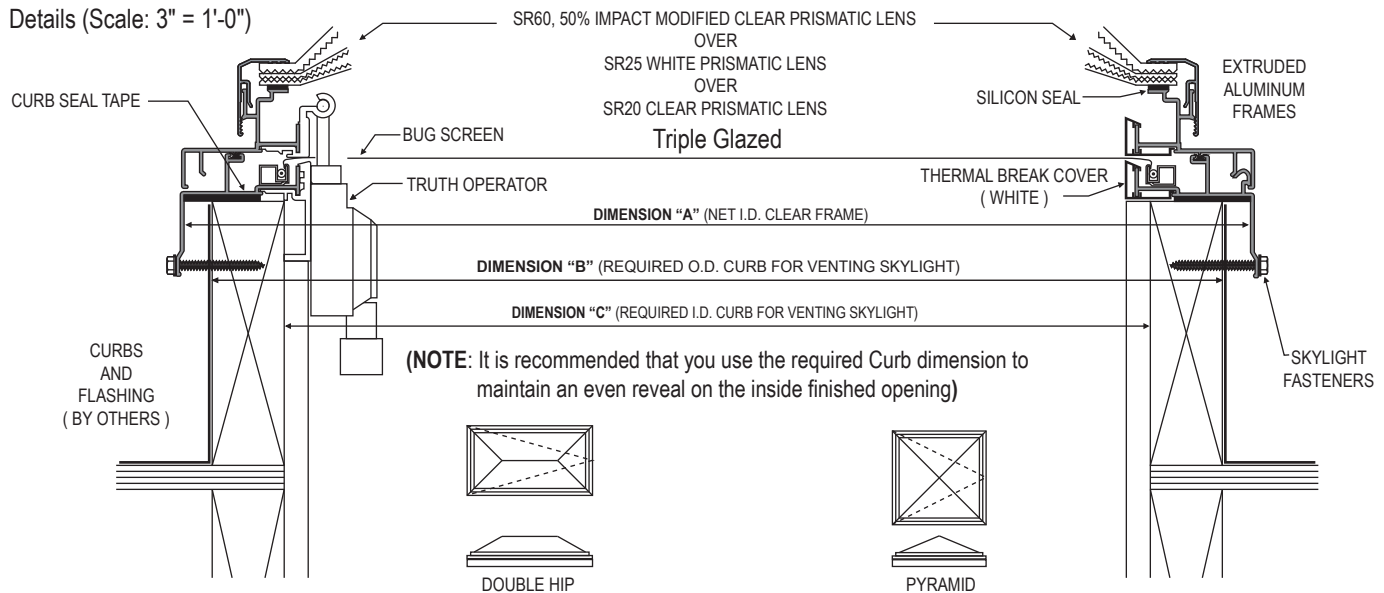
Frame Model 840B
Section 08620

Available Frame Finish

Natural Mill (Aluminum)
Dark Bronze (Powder Coat Paint)
White (Powder Coat Paint)

Custom Colors Available

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Pyramid	Double Hip	Dimension "A" Net I.D. Clear Frame	Dimension "B" Required O.D. Curb, for Venting Skylight	Dimension "C" Required I.D. Curb, for Venting Skylight
1414	■		18 5/8" x 18 5/8"	17 1/2" x 17 1/2"	14 1/2" x 14 1/2"
1420		■	18 5/8" x 26 5/8"	17 1/2" x 25 1/2"	14 1/2" x 22 1/2"
1430		■	18 5/8" x 38 5/8"	17 1/2" x 37 1/2"	14 1/2" x 34 1/2"
1440		■	18 5/8" x 50 5/8"	17 1/2" x 49 1/2"	14 1/2" x 46 1/2"
2020	■		26 5/8" x 26 5/8"	25 1/2" x 25 1/2"	22 1/2" x 22 1/2"
2030		■	26 5/8" x 38 5/8"	25 1/2" x 37 1/2"	22 1/2" x 34 1/2"
2040		■	26 5/8" x 50 5/8"	25 1/2" x 49 1/2"	22 1/2" x 46 1/2"
2060		■	26 5/8" x 74 5/8"	25 1/2" x 73 1/2"	22 1/2" x 70 1/2"
2080		■	26 5/8" x 98 5/8"	25 1/2" x 97 1/2"	22 1/2" x 94 1/2"
2828	■		34 5/8" x 34 5/8"	33 1/2" x 33 1/2"	30 1/2" x 30 1/2"
2840		■	34 5/8" x 50 5/8"	33 1/2" x 49 1/2"	30 1/2" x 46 1/2"
3030	■		38 5/8" x 38 5/8"	37 1/2" x 37 1/2"	34 1/2" x 34 1/2"
3040		■	38 5/8" x 50 5/8"	37 1/2" x 49 1/2"	34 1/2" x 46 1/2"
3060		■	38 5/8" x 74 5/8"	37 1/2" x 73 1/2"	34 1/2" x 70 1/2"
3080		■	38 5/8" x 98 5/8"	37 1/2" x 97 1/2"	34 1/2" x 94 1/2"
4040	■		50 5/8" x 50 5/8"	49 1/2" x 49 1/2"	46 1/2" x 46 1/2"
4060		■	50 5/8" x 74 5/8"	49 1/2" x 73 1/2"	46 1/2" x 70 1/2"
4080		■	50 5/8" x 98 5/8"	49 1/2" x 97 1/2"	46 1/2" x 94 1/2"

CUSTOM
SIZES
AVAILABLE

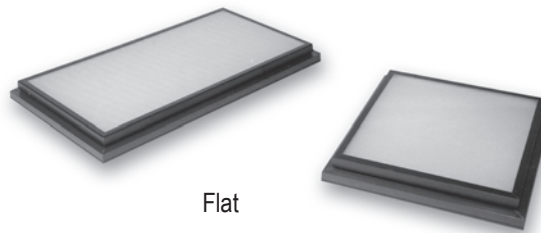
Solar Heat Gain Coefficient = .52, U Value = .48, Visible Light Transmission = .57 (Acrylic Glazing Only)

Specifications

- Skylights shall be Sunoptics model 840B (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T6 aluminum, finish as specified. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. Skylight frames shall be thermally broken. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- Skylights shall be operated using Truth Inc. chain drive manual operator and include a bug screen.
- Skylights shall be Triple glazed using SR60, 50% Impact Modified clear prismatic outer lens over SR25 white prismatic inner lens over SR20 clear prismatic inner lens, CC2 acrylic, glazed in a pyramid or double hip configuration.

Triple Glazed Flat Style

Venting Skylight with Thermal Break



Flat

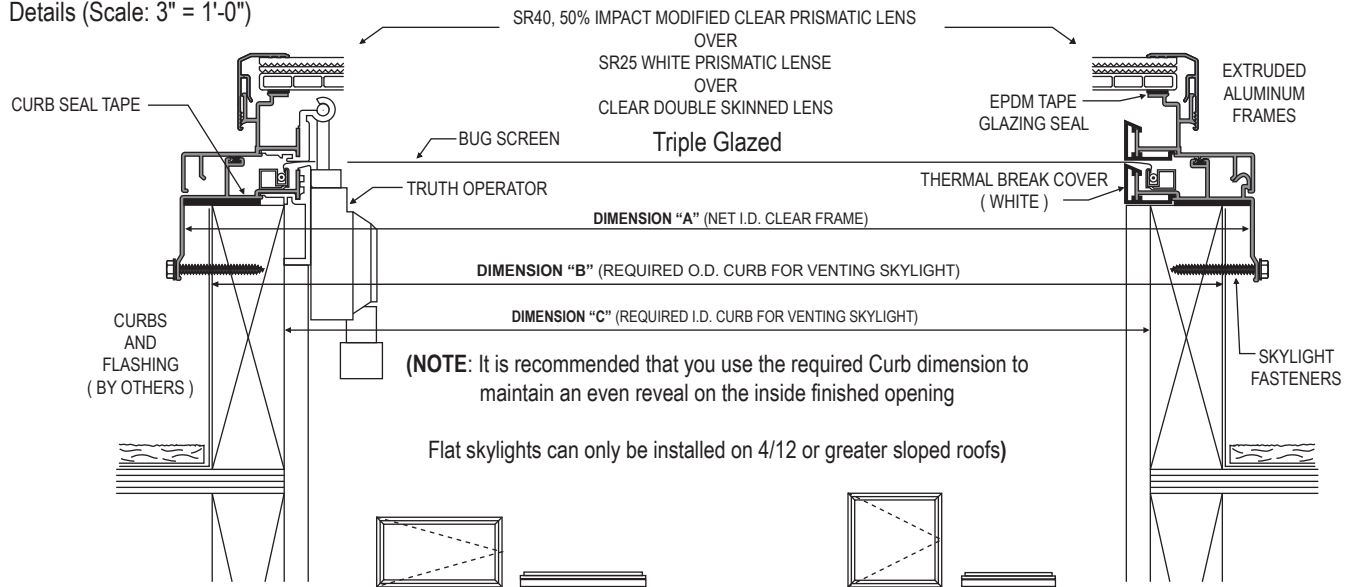
Frame Model 840B
Section 08620

Available Frame Finish

Natural Mill (Aluminum)
Dark Bronze (Powder Coat Paint)
White (Powder Coat Paint)

Custom Colors Available

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Dimension "A" Net I.D. Clear Frame	Dimension "B" Required O.D. Curb, for Venting Skylight	Dimension "C" Required I.D. Curb, for Venting Skylight
1414	18 5/8" x 18 5/8"	17 1/2" x 17 1/2"	14 1/2" x 14 1/2"
1420	18 5/8" x 26 5/8"	17 1/2" x 25 1/2"	14 1/2" x 22 1/2"
1430	18 5/8" x 38 5/8"	17 1/2" x 37 1/2"	14 1/2" x 34 1/2"
1440	18 5/8" x 50 5/8"	17 1/2" x 49 1/2"	14 1/2" x 46 1/2"
2020	26 5/8" x 26 5/8"	25 1/2" x 25 1/2"	22 1/2" x 22 1/2"
2030	26 5/8" x 38 5/8"	25 1/2" x 37 1/2"	22 1/2" x 34 1/2"
2040	26 5/8" x 50 5/8"	25 1/2" x 49 1/2"	22 1/2" x 46 1/2"
2060	26 5/8" x 74 5/8"	25 1/2" x 73 1/2"	22 1/2" x 70 1/2"
2080	26 5/8" x 98 5/8"	25 1/2" x 97 1/2"	22 1/2" x 94 1/2"
2828	34 5/8" x 34 5/8"	33 1/2" x 33 1/2"	30 1/2" x 30 1/2"
2840	34 5/8" x 50 5/8"	33 1/2" x 49 1/2"	30 1/2" x 46 1/2"
3030	38 5/8" x 38 5/8"	37 1/2" x 37 1/2"	34 1/2" x 34 1/2"
3040	38 5/8" x 50 5/8"	37 1/2" x 49 1/2"	34 1/2" x 46 1/2"
3060	38 5/8" x 74 5/8"	37 1/2" x 73 1/2"	34 1/2" x 70 1/2"
3080	38 5/8" x 98 5/8"	37 1/2" x 97 1/2"	34 1/2" x 94 1/2"
4040	50 5/8" x 50 5/8"	49 1/2" x 49 1/2"	46 1/2" x 46 1/2"
4060	50 5/8" x 74 5/8"	49 1/2" x 73 1/2"	46 1/2" x 70 1/2"
4080	50 5/8" x 98 5/8"	49 1/2" x 97 1/2"	46 1/2" x 94 1/2"

CUSTOM
SIZES
AVAILABLE

Solar Heat Gain Coefficient = .52, U Value = .48, Visible Light Transmission = .57 (Acrylic Glazing Only)

Specifications

- Skylights shall be Sunoptics model 840B (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T6 aluminum, finish as specified. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. Skylight frames shall be thermally broken. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- Skylights shall be operated using Truth Inc. chain drive manual operator and include a bug screen.
- Skylights shall be Triple glazed using SR40, 50% Impact Modified Clear prismatic outer lens over SR25 White prismatic inner lens over Clear double skinned acrylic lower lens, CC2 acrylic, glazed in a flat configuration. (Requires Minimum 4" on 12" slope roof.)

Single Glazed Signature Series Dome

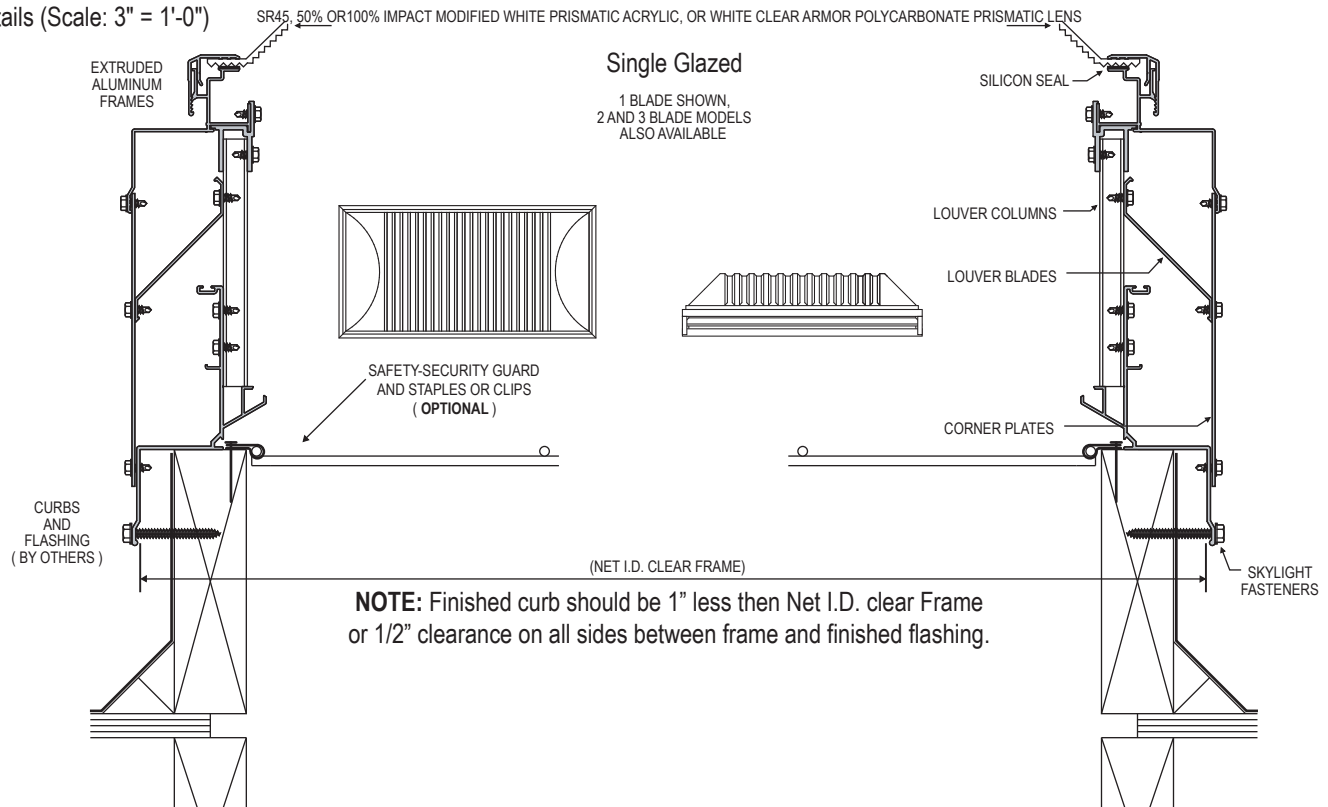
Continuous Venting
Industrial Skylight and
(Optional) Safety Security Guard



Frame Model 805B
Section 08620

Available Frame Finish
Natural Mill (Aluminum)

Details (Scale: 3" = 1'-0")



Standard Sizes

	Net I.D. Clear Frame
4040	51 1/4" x 51 1/4"
4060	51 1/4" x 75 1/4"
4080	52 1/4" x 100 1/4"
5060	63 7/16" x 75 1/2"

Solar Heat Gain Coefficient = .51, Visible Light Transmission = .68 (Acrylic Glazing Only)

Specifications

- Skylights shall be Sunoptics model 805IB (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylights frames shall be fabricated from 6063 T5 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- Skylights shall be continuous venting using integral air louver blades. Number of blades as specified
- Skylights shall be Single glazed using 50% or 100% Impact Modified White Prismatic or White Steel lens, CC2 or CC1 rated, glazed in a Signature Series Dome configuration.
- (Optional) OSHA compliant Safety Security Screen fabricated from a wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.



High Performance Prismatic Daylighting

SECTION 2

Industrial

Prismatic Skylights



Single Glazed Signature Series Dome

Frame Model 800MD
Section 08620

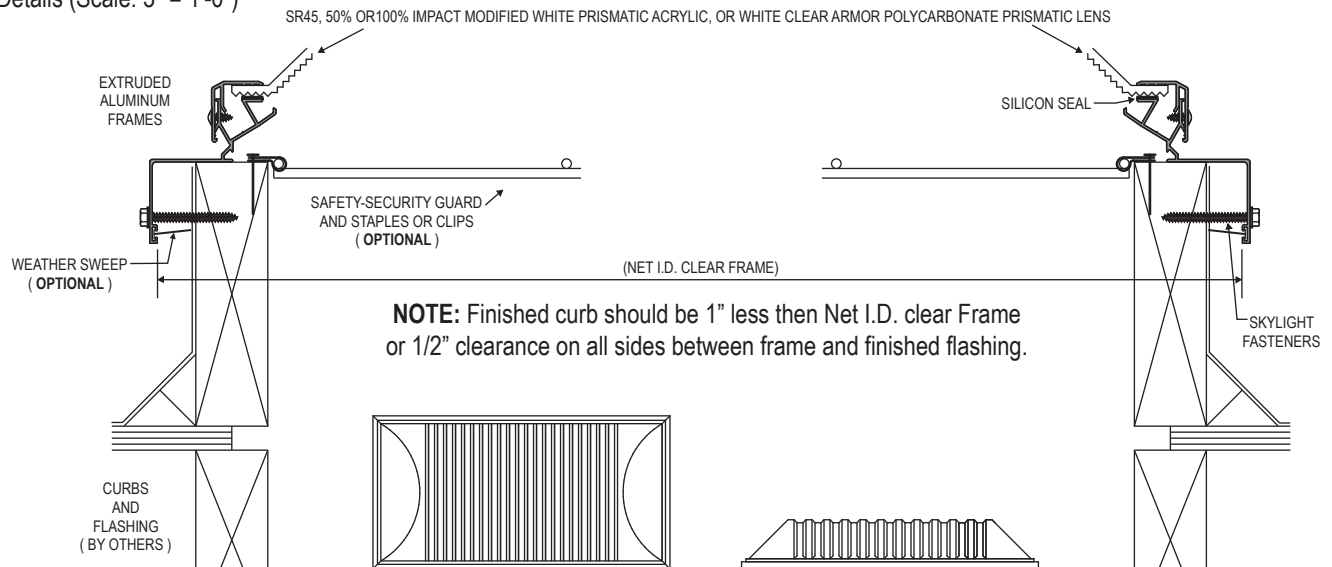
Available Frame Finish
Natural Mill (Aluminum)



Fixed Industrial Skylight and (Optional) Safety Security Guard

Signature Dome

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame	Call-Out Size	Net I.D. Clear Frame
2020	27 1/4" x 27 1/4"	4070	51 1/4" x 87 1/4"
2040	27 1/4" x 51 1/4"	4080	52 1/4" x 100 1/4"
2080	27 1/4" x 99 1/4"	40100	52 1/4" x 123 1/4"
3050	39 1/4" x 63 1/4"	5050	63 1/4" x 63 1/4"
3080	39 1/4" x 99 1/4"	5060	63 7/16" x 75 1/2"
30100	39 1/4" x 123 1/4"	5070	63 1/4" x 87 1/4"
4040	51 1/4" x 51 1/4"	5080	63 1/4" x 99 1/4"
4060	51 1/4" x 75 1/4"	50100	63 1/4" x 123 1/4"

Solar Heat Gain Coefficient = .51, Visible Light Transmission = .68 (Acrylic Glazing) .60 (Polycarbonate Glazing)

Specifications

- A. Skylights shall be Sunoptics model 800MD (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- B. Skylights shall be glazed ready for installation.
- C. Skylight frames shall be fabricated from 6063 T6 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- D. Skylights shall be Single glazed using SR45, 50% or 100%, Impact Modified White Prismatic or White Steel lens, CC2 or CC1 rated, glazed in a Signature Series Dome configuration.
- E. Units sized 5080 and smaller are tested and certified to AAMA/WDMA/CSA101/I.S.2/A440-05 to comply with section 2405.5 of the International Building Code.
- F. (Optional) Safety Security Screen fabricated from a 4" X 4" wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Single Glazed Signature Series Dome

FM APPROVED

Fixed Industrial Skylight and
(Optional) Safety Security Guard



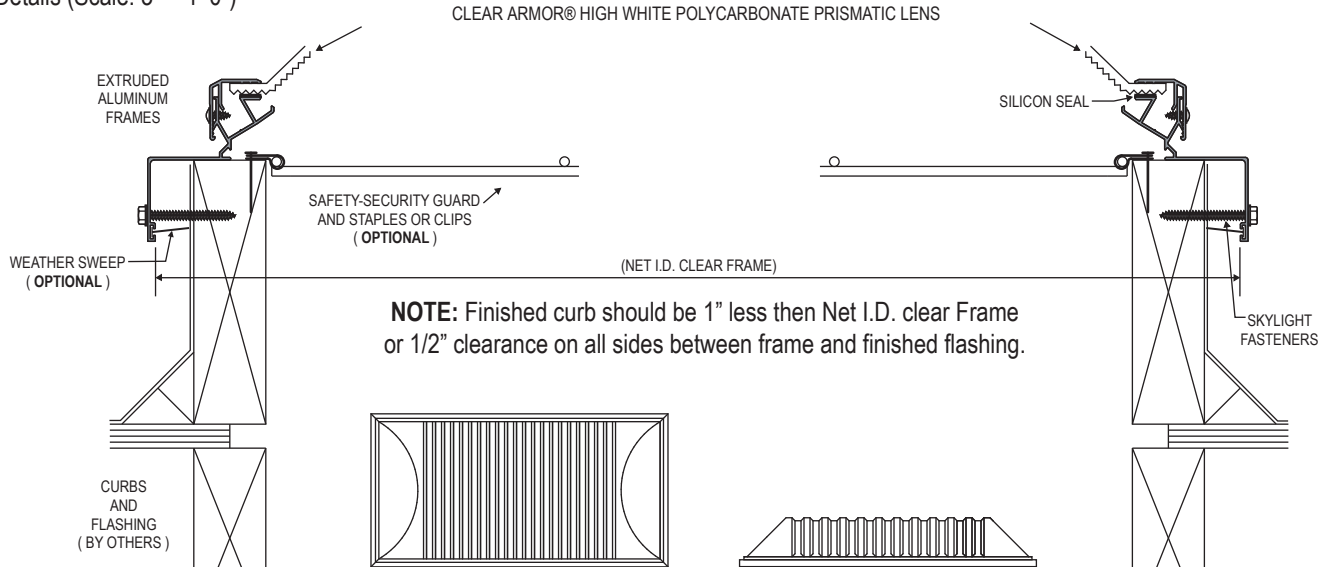
Signature Dome

Frame Model 800MD-FM
Section 08620

Available Frame Finish
Natural Mill (Aluminum)

**FACTORY MUTUAL
APPROVED**
FM Approval # 4431

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame	Call-Out Size	Net I.D. Clear Frame
2020	27 1/4" x 27 1/4"	4070	51 1/4" x 87 1/4"
2040	27 1/4" x 51 1/4"	4080	52 1/4" x 100 1/4"
2080	27 1/4" x 99 1/4"	40100	52 1/4" x 123 1/4"
3050	39 1/4" x 63 1/4"	5050	63 1/4" x 63 1/4"
3080	39 1/4" x 99 1/4"	5060	63 7/16" x 75 1/2"
30100	39 1/4" x 123 1/4"	5070	63 1/4" x 87 1/4"
4040	51 1/4" x 51 1/4"	5080	63 1/4" x 99 1/4"
4060	51 1/4" x 75 1/4"	50100	63 1/4" x 123 1/4"

Solar Heat Gain Coefficient = .51 , Visible Light Transmission = .62

Specifications

- A. Skylights shall be Sunoptics model 800MD (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- B. Skylights shall be glazed ready for installation.
- C. Skylight frames shall be fabricated from 6063 T6 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- D. Skylights shall be single glazed using CLEAR ARMOR® High White Polycarbonate Prismatic lens, CC1/Class A Rated, FM Approved, 5 year hail proof warranted.
- E. Skylights shall be tested and approved under Factory Mutual #4431 testing method for fixed skylights. Class A / CC1 flame rating. Standard Size units up to 5080 are tested and certified to AAMA/WDMA/CSA101/I.S.2/A440-05 to comply with section 2405.5 of the International Building Code.
- F. (Optional) Safety Security Screen fabricated from a 4" X 4" wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Double Glazed Signature Series Dome

Fixed Industrial Skylight with
Insulated Thermal Break and
(Optional) Safety Security Guard

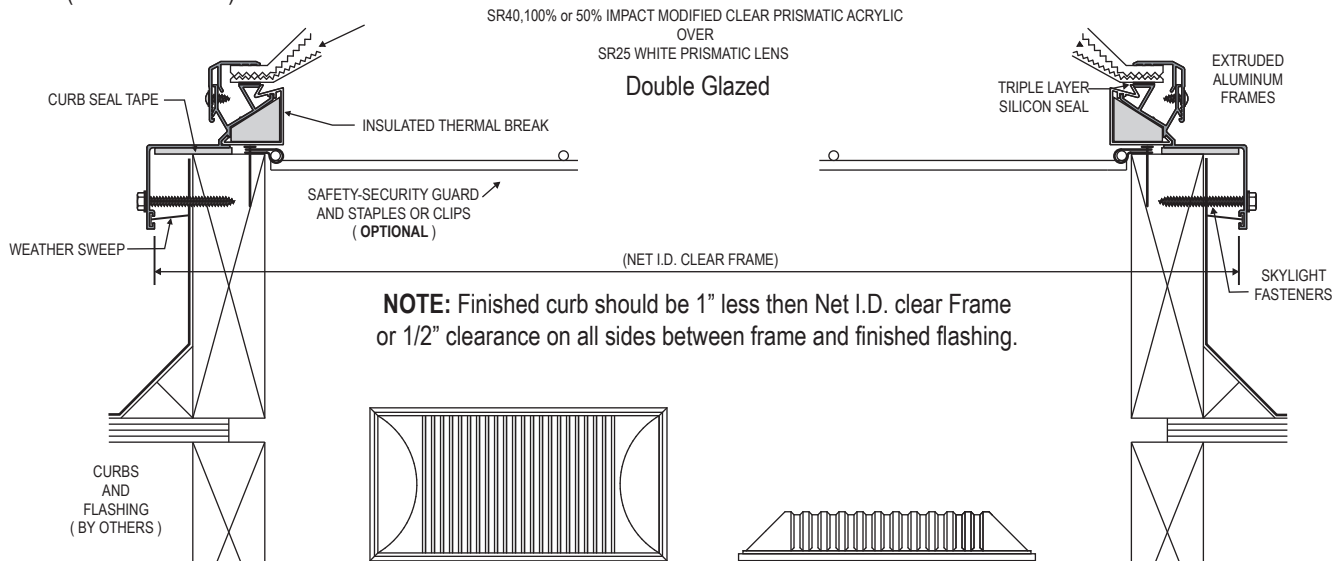


Signature Dome

Frame Model 800MD
Section 08620

Available Frame Finish
Natural Mill (Aluminum)

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame	Call-Out Size	Net I.D. Clear Frame
2020	27 1/4" x 27 1/4"	4070	51 1/4" x 87 1/4"
2040	27 1/4" x 51 1/4"	4080	52 1/4" x 100 1/4"
2080	27 1/4" x 99 1/4"	40100	52 1/4" x 123 1/4"
3050	39 1/4" x 63 1/4"	5050	63 1/4" x 63 1/4"
3060	39 1/4" x 75 1/4"	5060	63 7/16" x 75 1/2"
3080	39 1/4" x 99 1/4"	5070	63 1/4" x 87 1/4"
30100	39 1/4" x 123 1/4"	5080	63 1/4" x 99 1/4"
4040	51 1/4" x 51 1/4"	50100	63 1/4" x 123 1/4"
4060	51 1/4" x 75 1/4"		

Solar Heat Gain Coefficient = .49, U Value = .82, Visible Light Transmission = .68 (Acrylic Glazing Only)

Specifications

- Skylights shall be Sunoptics model 800MD (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T6 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- Skylights shall be Double glazed using SR40 50% or 100%, Impact Modified Clear Prismatic over SR25 White Prismatic lens, CC2 Rated, glazed in a Signature Series Dome configuration.
- Standard Size units up to 5080 are tested and certified to AAMA/WDMA/CSA101/I.S.2/A440-05 to comply with section 2405.5 of the International Building Code.
- (Optional) OSHA compliant Safety Security Screen fabricated from a wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Double Glazed Signature Series Dome

FM Approved Fixed Industrial Skylight
with Insulated Thermal Break and
(Optional) Safety Security Guard



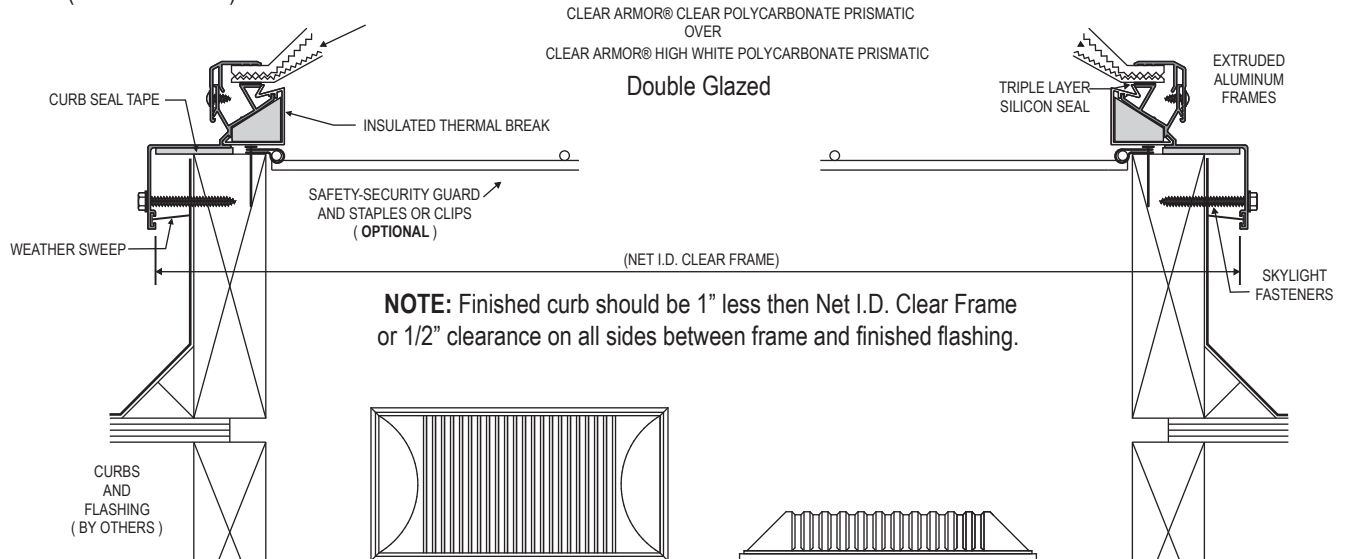
Signature Dome

Frame Model 800MD-FM
Section 08620

Available Frame Finish
Natural Mill (Aluminum)

**FACTORY MUTUAL
APPROVED
FM APPROVAL # 4431**

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame	Call-Out Size	Net I.D. Clear Frame
2020	27 1/4" x 27 1/4"	4070	51 1/4" x 87 1/4"
2040	27 1/4" x 51 1/4"	4080	52 1/4" x 100 1/4"
2080	27 1/4" x 99 1/4"	40100	52 1/4" x 123 1/4"
3050	39 1/4" x 63 1/4"	5050	63 1/4" x 63 1/4"
3060	39 1/4" x 75 1/4"	5060	63 7/16" x 75 1/2"
3080	39 1/4" x 99 1/4"	5070	63 1/4" x 87 1/4"
30100	39 1/4" x 123 1/4"	5080	63 1/4" x 99 1/4"
4040	51 1/4" x 51 1/4"	50100	63 1/4" x 123 1/4"
4060	51 1/4" x 75 1/4"		

Solar Heat Gain Coefficient = .49, U Value = .82, Visible Light Transmission = .62

Specifications

- Skylights shall be Sunoptics model 800MD (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T6 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- Skylights shall be Double glazed using CLEAR ARMOR® Clear Polycarbonate Prismatic over CLEAR ARMOR® High White Polycarbonate Prismatic lens, CC1/Class A Rated, FM Approved, 5 year hail proof warranted.
- Skylights shall be tested and approved under Factory Mutual #4431 testing method for fixed skylights. Class A / CC1 flame rating. Standard Size units up to 5080 are tested and certified to AAMA/WDMA/CSA101/I.S.2/A440-05 to comply with section 2405.5 of the International Building Code.
- (Optional) OSHA compliant Safety Security Screen fabricated from a wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Double Glazed Signature Series Dome

HVHZ Fixed Industrial Skylight with
Insulated Thermal Break and
(Optional) Safety Security Guard



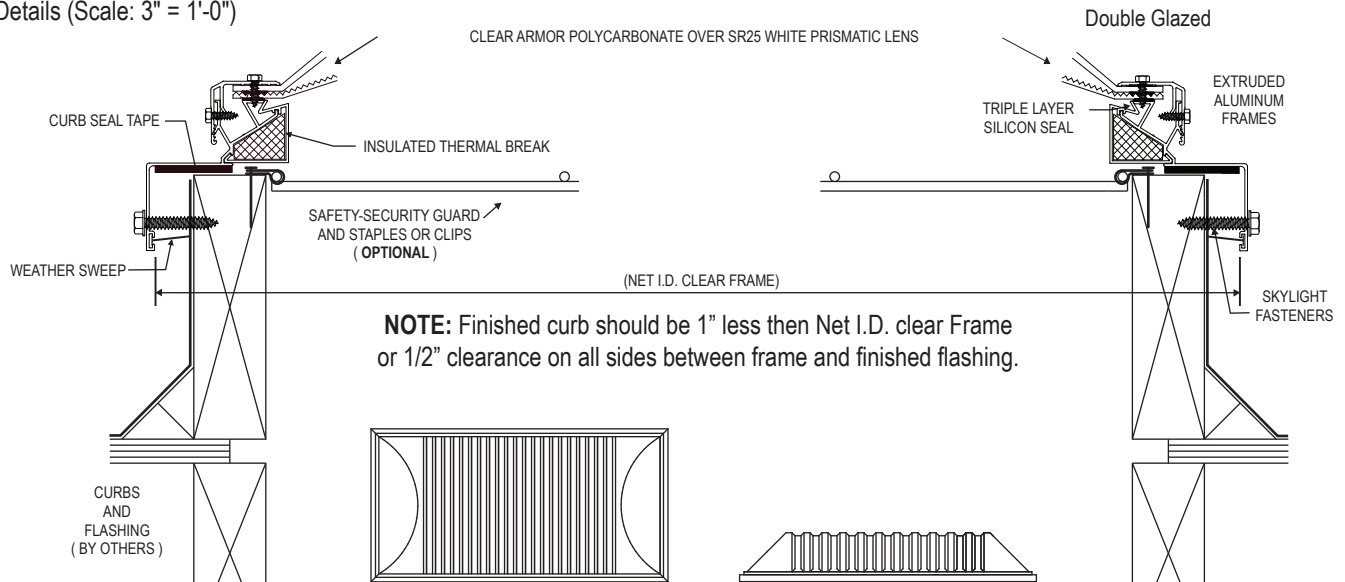
Signature Dome

Frame Model 800MD-HVHZ
Section 08620

Available Frame Finish
Natural Mill (Aluminum)

**High Velocity
Hurricane Zone
Approved**

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame	Call-Out Size	Net I.D. Clear Frame
2020	27 1/4" x 27 1/4"	4070	51 1/4" x 87 1/4"
2040	27 1/4" x 51 1/4"	4080	52 1/4" x 100 1/4"
2080	27 1/4" x 99 1/4"	5050	63 1/4" x 63 1/4"
3050	39 1/4" x 63 1/4"	5060	63 7/16" x 75 1/2"
3080	39 1/4" x 99 1/4"	5070	63 1/4" x 87 1/4"
4040	51 1/4" x 51 1/4"	5080	63 1/4" x 99 1/4"
4060	51 1/4" x 75 1/4"		

Solar Heat Gain Coefficient = .49, U Value = .82, Visible Light Transmission = .64 (Acrylic Glazing Only)

Specifications

- Skylights shall be Sunoptics model 800MD-HVHZ (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Skylights shall be glazed ready for installation.
- Skylight frames shall be fabricated from 6063 T6 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- Skylights shall be Double glazed using SR40, Clear Polycarbonate over SR25 White Prismatic 100% Impact Modified lens, glazed in a Signature Series Dome configuration.
- Testing was performed on skylights per Florida Building Code, Test Protocols for High Velocity Hurricane Zone, Protocols TAS 201-94, TAS 202-94 and TAS 203-94. The samples tested met the performance requirements set forth in the protocols for a ± 60.0 psf Design Pressure rating.
- (Optional) OSHA compliant Safety Security Screen fabricated from a wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Single Glazed Signature Series Dome



Signature Dome

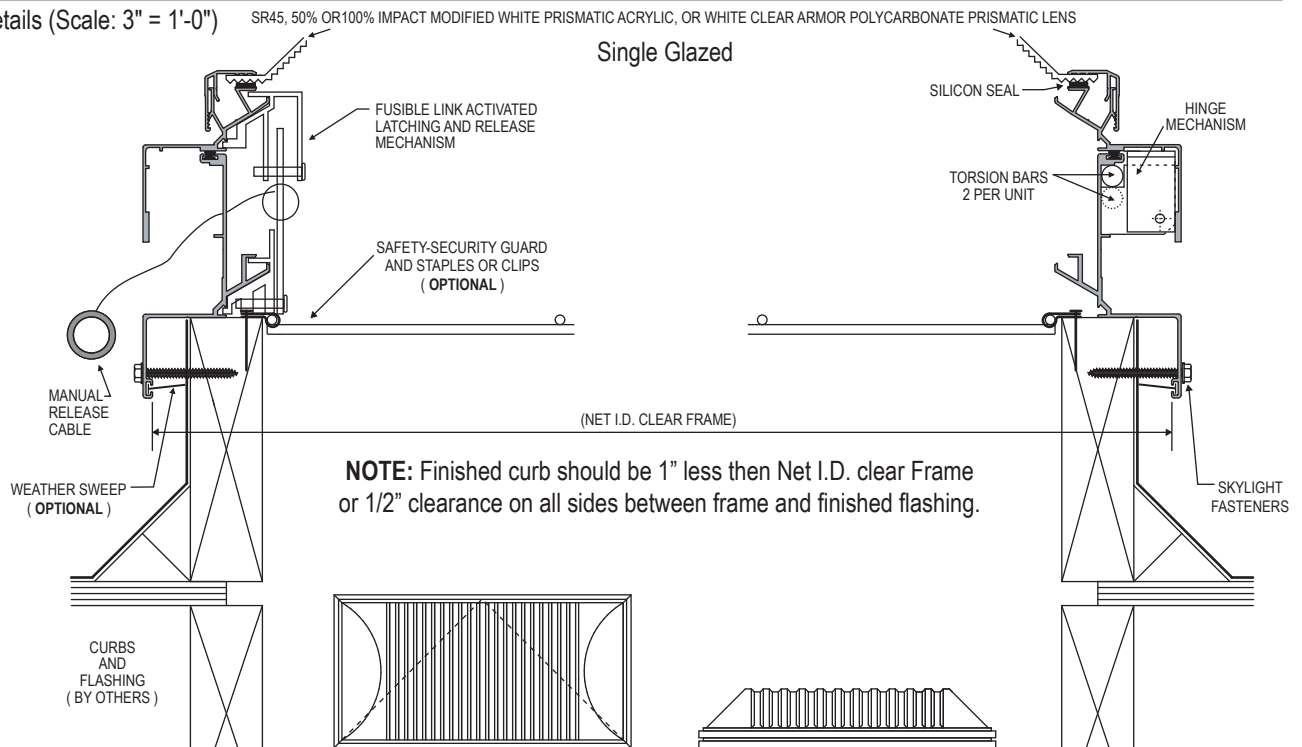
Frame Model 870IB
Section 08620

Available Frame Finish

Natural Mill (Aluminum)

Smoke Vent Industrial Skylight and (Optional) Safety Security Guard

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame
4080	52 1/4" x 100 1/4"
5060	63 1/4" x 75 1/4"
5080	63 1/4" x 99 1/4"

Solar Heat Gain Coefficient = .51, Visible Light Transmission = .68 (Acrylic Glazing Only)

Specifications

- A. Smoke Vents shall be Sunoptics model 870B (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- B. Smoke Vents shall be glazed ready for installation.
- C. Smoke Vent frames shall be fabricated from 6063 T5 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- D. Smoke Vents shall operate by a fusible link with a minimum tempature rating of 386 degrees. The fusible link mechanism with Gas Shocks shall include an exterior manual release cable for testing. Smoke Vents shall open to a minimum angle of 105 degrees.
- E. Smoke Vents shall be single glazed using SR45, 50% or 100% White prismatic or White Steel prismatic lens, CC2 or CC1 Rated, glazed in a Signature Series configuration.
- F. (Optional) Safety Security Screen fabricated from a 4" X 4" wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Double Glazed Signature Series Dome

Industrial Smoke Vent Skylight with
Insulated Thermal Break and
(Optional) Safety Security Guard



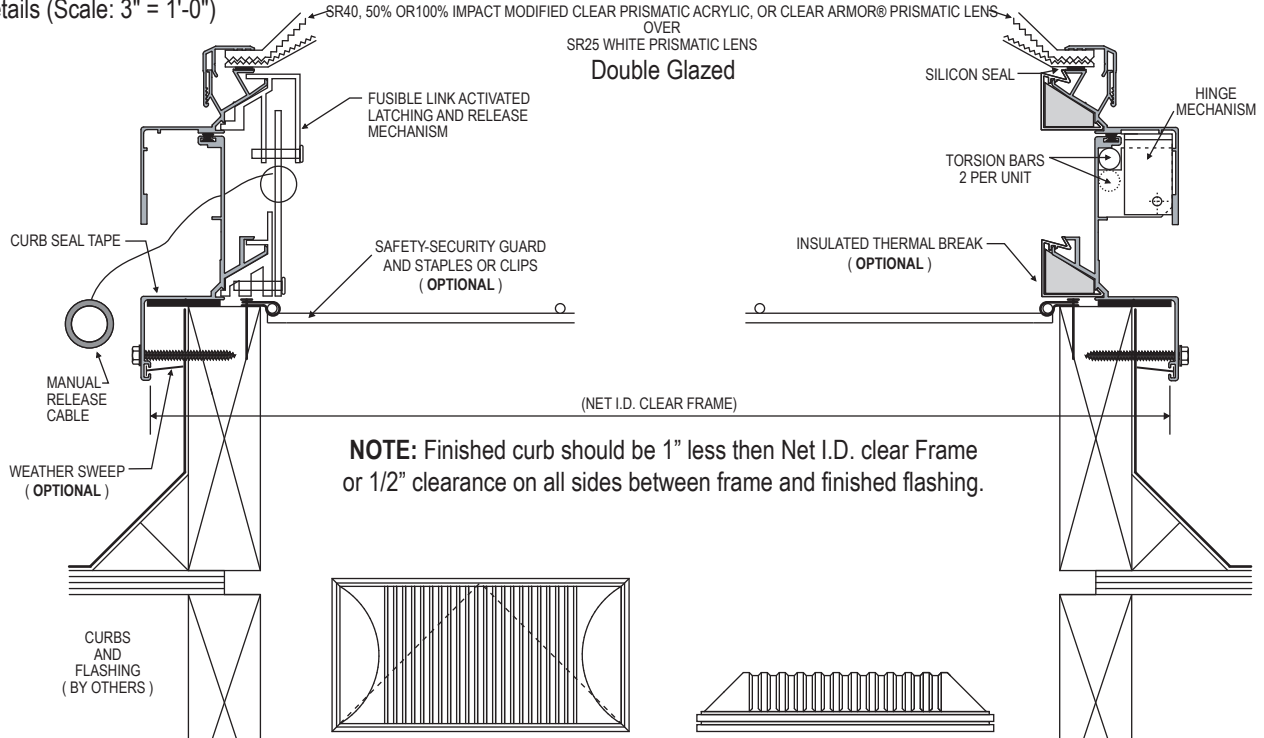
Signature Dome

Frame Model 870IB
Section 08620

Available Frame Finish

Natural Mill (Aluminum)

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame
4080	52 1/4" x 100 1/4"
5060	63 1/4" x 75 1/4"
5080	63 1/4" x 99 1/4"

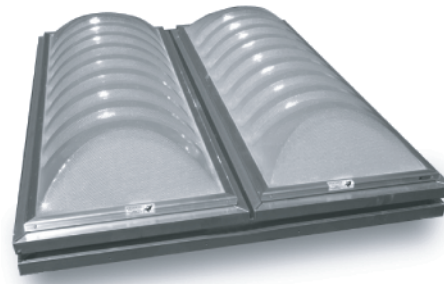
U Value = .82, Solar Heat Gain Coefficient = .49, Visible Light Transmission = .68 (Acrylic Glazing Only) / .64 (CLEAR ARMOR® PC)

Specifications

- Smoke Vents shall be Sunoptics model 870B (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Smoke Vents shall be glazed ready for installation.
- Smoke Vent frames shall be fabricated from 6063 T5 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- Smoke Vents shall operate by a fusible link with a minimum temperature rating of 386 degrees. The fusible link mechanism with Gas Shocks shall include an exterior manual release cable for testing. Smoke Vents shall open to a minimum angle of 105 degrees.
- Smoke Vents shall be Double glazed using SR40 50% or 100%, Impact Modified Clear Prismatic (CC2 Rated) or CLEAR ARMOR® Polycarbonate (CC1 Rated) lens over SR25 White Prismatic lens, CC2 or CC1 Rated, glazed in a Signature Series Dome configuration.
- (Optional) Safety Security Screen fabricated from a 4" X 4" wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Single Glazed Signature Series Dome

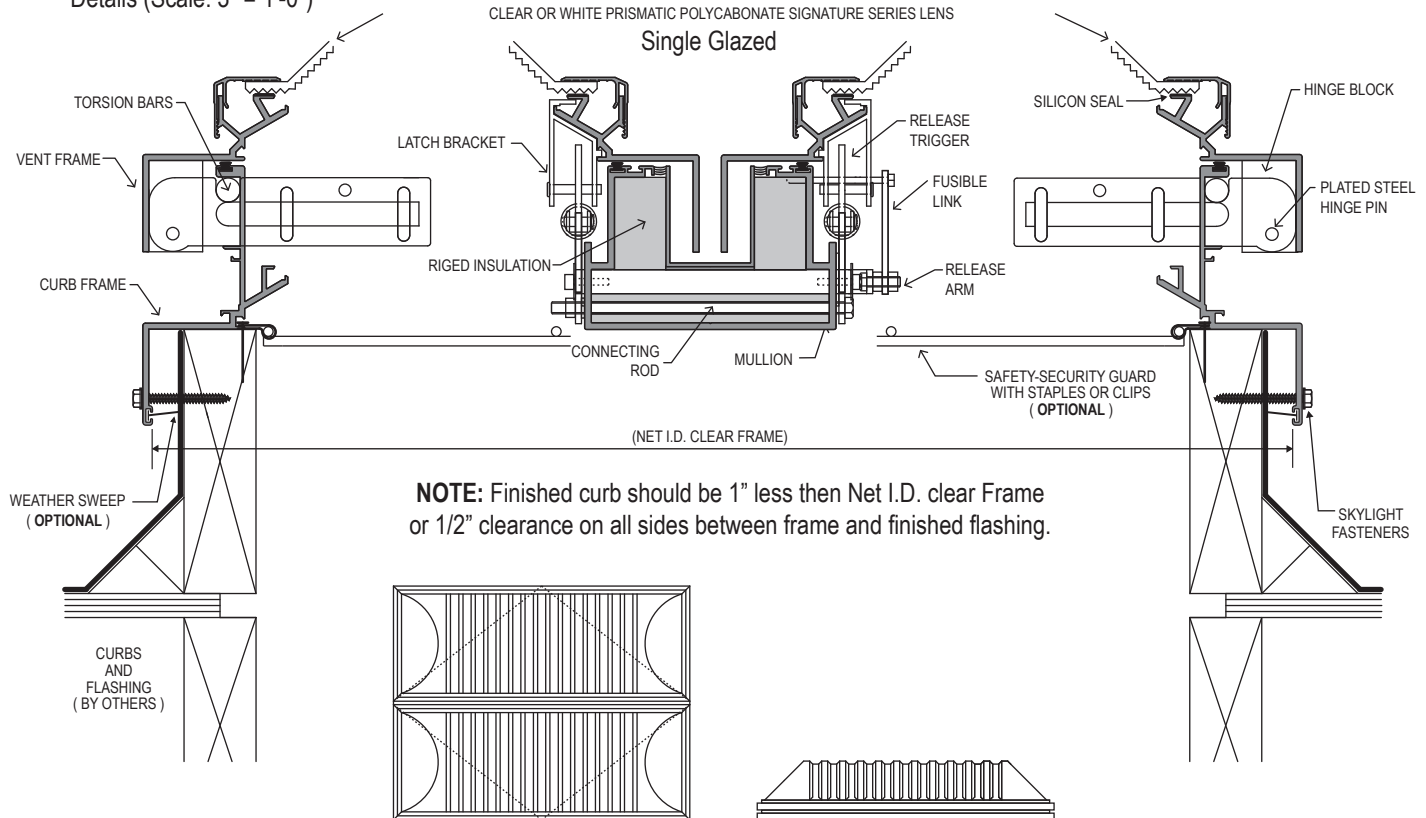
Factory Mutual Approved
Smoke Vent Industrial Skylight and
(Optional) Safety Security Guard



Frame Model 870FM
Section 08620

Available Frame Finish
Natural Mill (Aluminum)

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame
4080	54 1/16" x 99 3/8"
5060	63 3/8" x 75 3/8"
5080	63 3/8" x 99 3/8"

Solar Heat Gain Coefficient = .51, Visible Light Transmission = .60 (Acrylic Glazing Only)

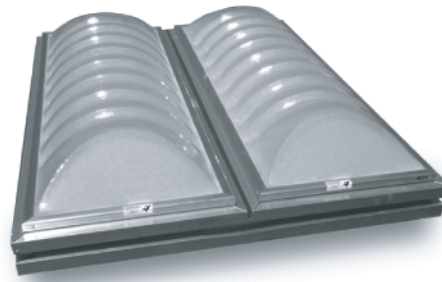
Specifications

- Smoke Vents shall be Sunoptics model 870FM Factory Mutual Rated (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- Smoke Vents shall be glazed ready for installation.
- Smoke Vent frames shall be fabricated from 6063 T6 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- Smoke Vents shall operate by a fusible link with a minimum temperature rating of 386 degrees. The fusible link mechanism with Gas Shocks shall include an exterior manual release cable for testing. Smoke Vents shall open to a minimum angle of 105 degrees.
- Smoke Vents shall be single glazed using Clear or White Polycarbonate prismatic lens, CC1 Rated, glazed in a Signature Series configuration.
- (Optional) Safety Security Screen fabricated from a 4" X 4" wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Double Glazed Signature Series Dome

Factory Mutual Approved

Smoke Vent Industrial Skylight with
Insulated Thermal break and
(Optional) Safety Security Guard

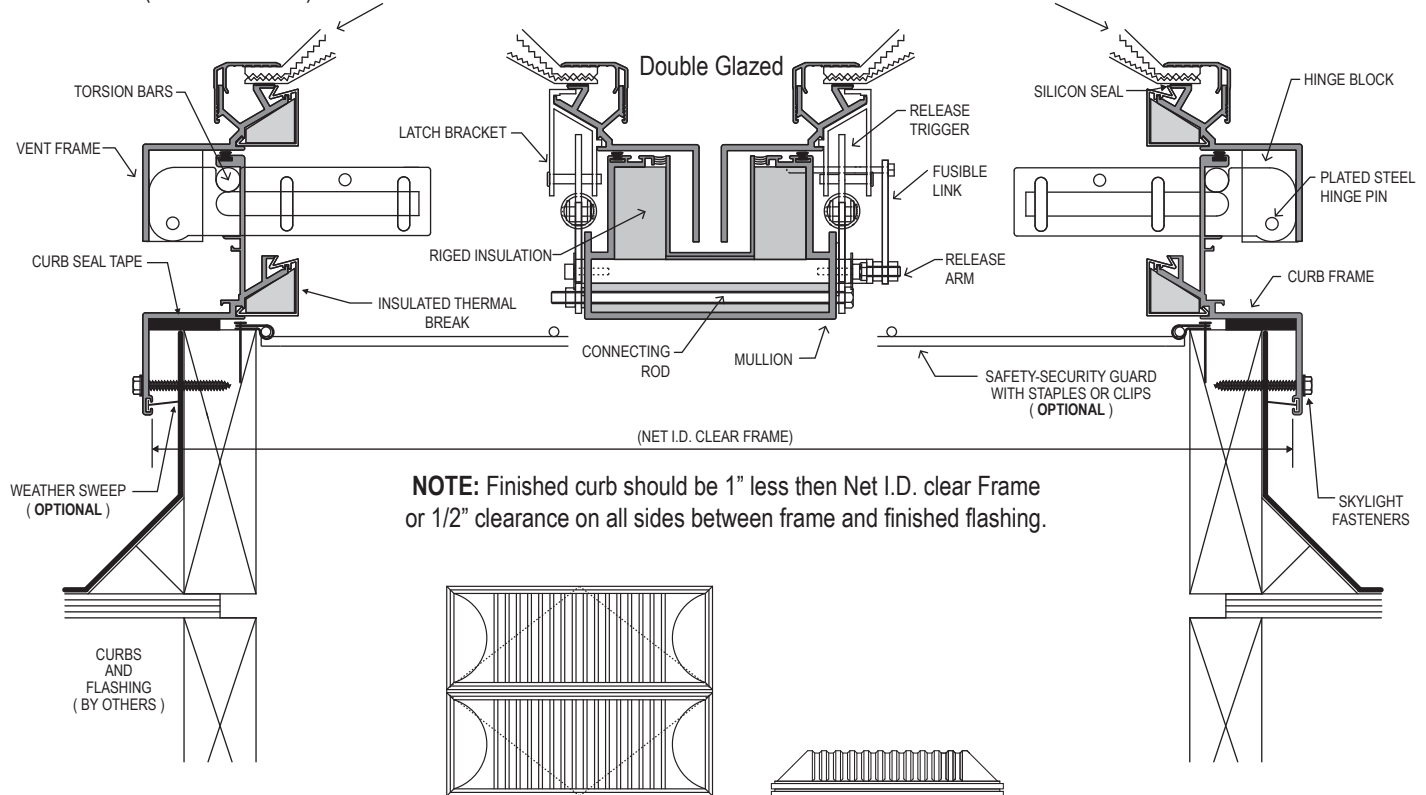


Frame Model 870FM
Section 08620

Available Frame Finish
Natural Mill (Aluminum)

FM Approval # 4430

Details (Scale: 3" = 1'-0")



Standard Sizes

Call-Out Size	Net I.D. Clear Frame
4080	54 1/16" x 99 3/8"
5060	63 3/8" x 75 3/8"
5080	63 3/8" x 99 3/8"

Solar Heat Gain Coefficient = .49, U Value = .82, Visible Light Transmission = .62 (Acrylic Glazing Only)

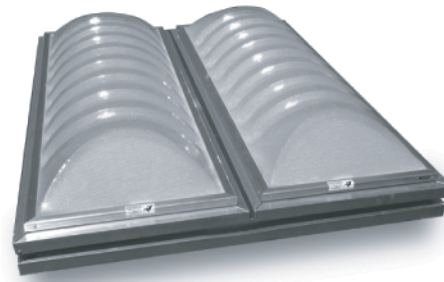
Specifications

- Smoke Vents shall be Sunoptics model 870FM Factory Mutual (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700.
- Smoke Vents shall be glazed ready for installation.
- Smoke Vent frames shall be fabricated from 6063 T6 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- Smoke Vents shall operate by a fusible link with a minimum temperature rating of 386 degrees. The fusible link mechanism with Gas Shocks shall include an exterior manual release cable for testing. Smoke Vents shall open to a minimum angle of 105 degrees.
- Skylights shall be Double glazed using CLEAR ARMOR® Clear Prismatic Polycarbonate over CLEAR ARMOR® High White Prismatic Polycarbonate lens, CC1 Rated, glazed in a Signature Series Dome configuration.
- (Optional) OSHA compliant Safety Security Screen fabricated from a wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.

Double Glazed Signature Series Dome

UL Approved

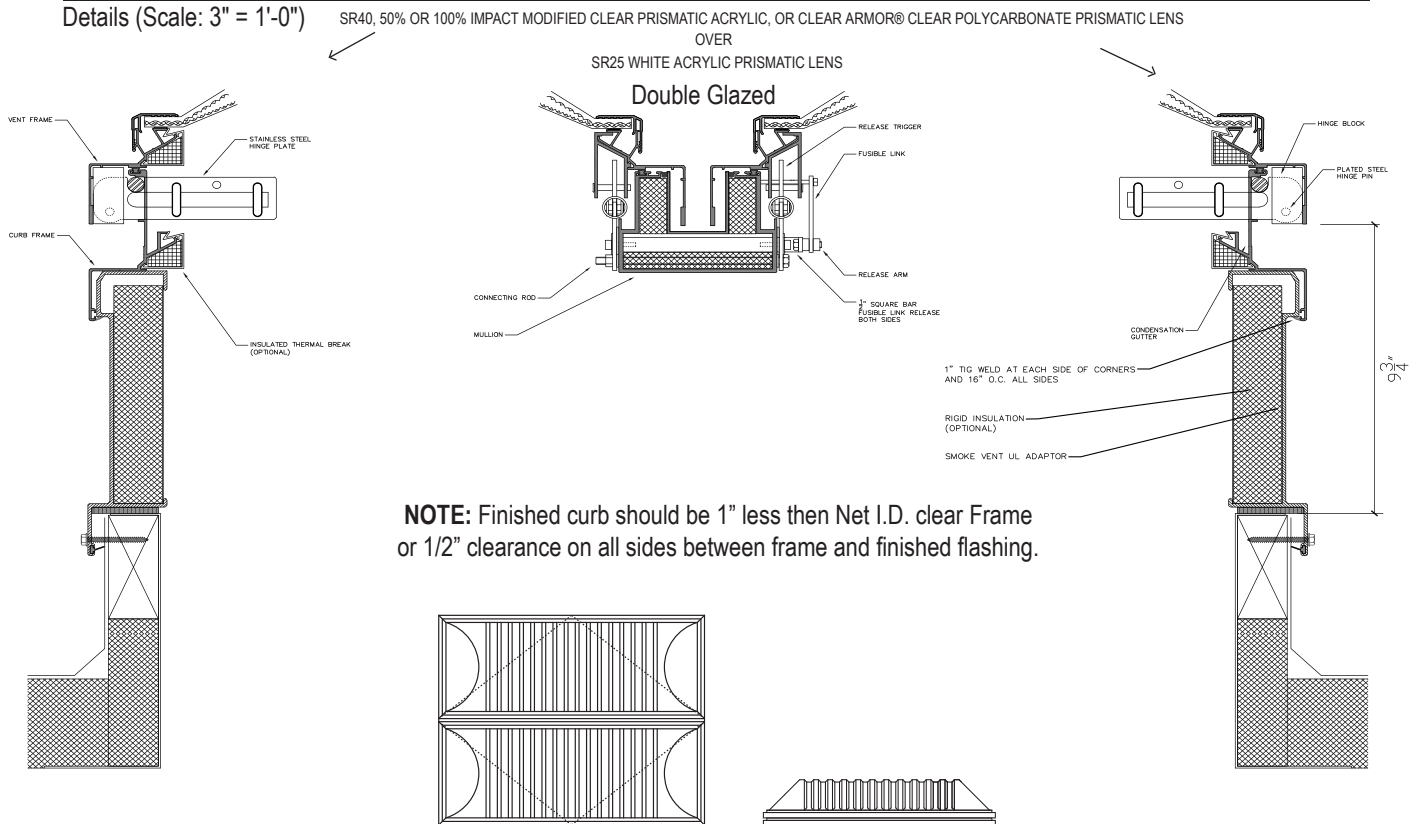
Smoke Vent Industrial Skylight with
Insulated Thermal break and
(Optional) Safety Security Guard



Frame Model 870UL
Section 08620

Available Frame Finish
Natural Mill (Aluminum)

Details (Scale: 3" = 1'-0")



NOTE: Finished curb should be 1" less then Net I.D. clear Frame
or 1/2" clearance on all sides between frame and finished flashing.

Standard Sizes

Signature Series Lens

Double Hip Lens - UL Equivalent

Call-Out Size Net I.D. Clear Frame

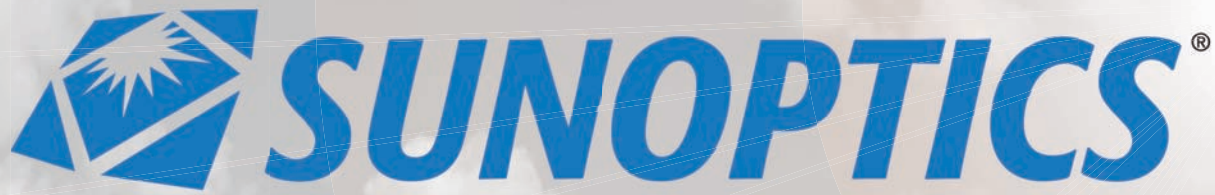
4080	54 1/16" x 99 3/8"
5060	63 3/8" x 75 3/8"
5080	63 3/8" x 99 3/8"

Custom Sizes
Available

Solar Heat Gain Coefficient = .49, U Value = .82, Visible Light Transmission = .68 (Acrylic Glazing Only) / .64 (CLEAR ARMOR® PC)

Specifications

- Smoke Vents shall be Sunoptics model 870UL UL Rated (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700. SPECIFY UPLIFT PSF (10lb., 25lb., 30lb.) PER PROJECT NEEDS.
- Smoke Vents shall be glazed ready for installation.
- Smoke Vent frames shall be fabricated from 6063 T6 aluminum, finish to be natural mill. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with a Silicon Seal.
- Smoke Vents shall operate by a UL approved fusible link to the specified temperature rating. The fusible link mechanism with Gas Shocks shall include an exterior manual release cable for testing. Smoke Vents shall open to a minimum angle of 105 degrees.
- Skylights shall be Double glazed using 50% or 100%, Impact Modified Clear Prismatic Acrylic (CC2 Rated) OR CLEAR ARMOR® Clear Prismatic Polycarbonate over a White Prismatic Acrylic lens, glazed in a Signature Series Dome or Double Hip configuration.
- (Optional) OSHA compliant Safety Security Screen fabricated from a wire mesh galvanized cold rolled steel. The safety screen shall be tested to withstand the impact of a 240 pound weight, one foot in diameter, dropped from a height of 3 feet and support a concentrated load of 600 pounds after the impact. Install using Staples or Clips provided at 12" O.C. between cross members.



High Performance Prismatic Daylighting

SECTION 3

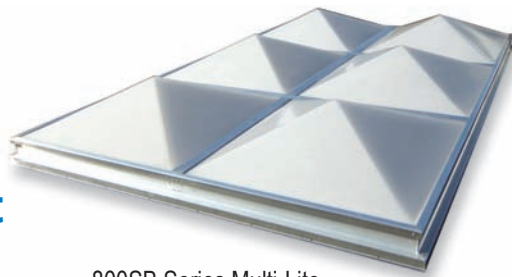
Commercial

Prismatic Skylights



Double & Triple Glazed

Double Hip, Pyramid & Flat



Frame Model 800SB
Section 08620

Available Frame Finish

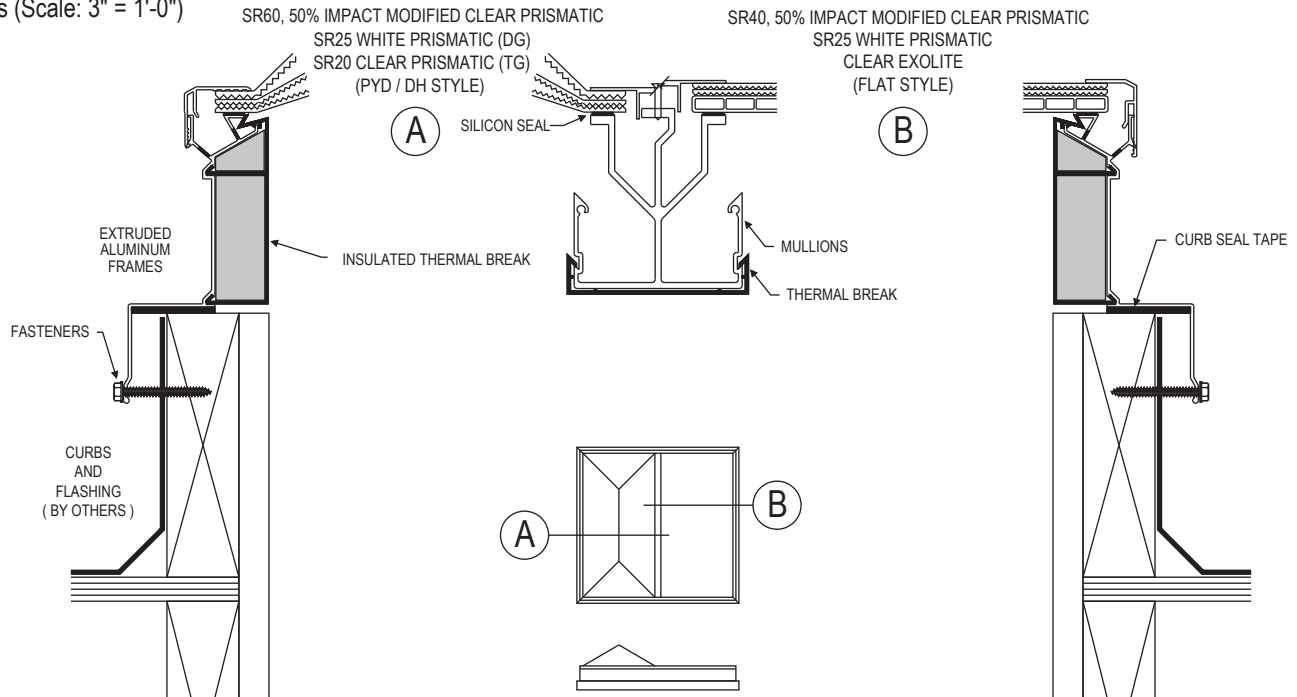
Natural Mill (Aluminum)
Dark Bronze (Powder Coat Paint)
White (Powder Coat Paint)

Custom Colors Available

Large Multi-Lite Fixed Skylights

800SB Series Multi-Lite

Details (Scale: 3" = 1'-0")



Standard Sizes

No standard sizes available
Custom orders only.
(For Mullion spans over 4' and up to 9')

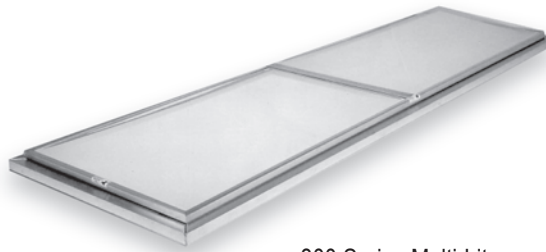
Specifications

- A. Skylights shall be Sunoptics model 800SB Multi-Lite (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- B. Skylights shall be glazed ready for installation.
- C. Skylights frames shall be fabricated from 6063 T6 aluminum, finish to be specified. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- D. Individual lights shall be joined by an aluminum extruded mullion integral to the skylight frame, quantity as required for skylight size.
- E. 1) **Flat Skylights** shall be Triple glazed using SR40, 50% Impact modified Clear prismatic outer lens over SR25 White prismatic middle lens over Clear Double Skinned acrylic lower lens.
2) **Formed Skylights** shall be Double glazed using SR60, 50% Impact Modified Clear prismatic outer lens over SR25 White prismatic inner lens, or Triple glazed using SR60, 50% Impact Modified Clear prismatic outer lens over SR25 White prismatic middle lens over SR20 Clear prismatic lower lens.
- F. Double Hip units are tested and certified to AAMA/WDMA/CSA101/I.S.2/A440-05 to comply with section 2405.5 of the International Building Code.

Double & Triple Glazed

Double Hip, Pyramid & Flat

Small Multi-Lite Fixed Skylights



800 Series Multi-Lite

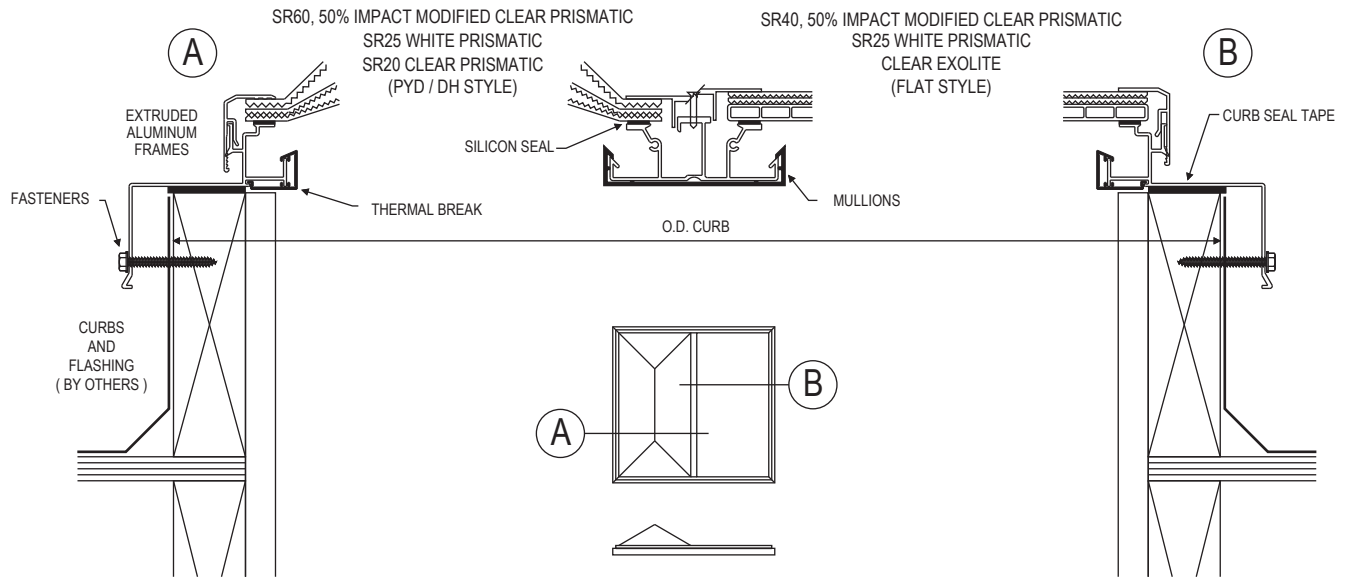
Frame Model 800
Section 08620

Available Frame Finish

Natural Mill (Aluminum)
Dark Bronze (Powder Coat Paint)
White (Powder Coat Paint)

Custom Colors Available

Details (Scale: 3" = 1'-0")

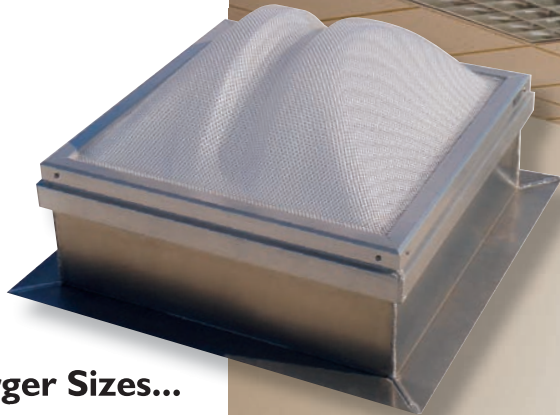


Standard Sizes (Call-Out Dimensions)

No standard sizes available
Custom orders only.
(For 4' and under mullion spans)

Specifications

- A. Skylights shall be Sunoptics model 800 Multi-Lite (curb mounted) as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- B. Skylights shall be glazed ready for installation.
- C. Skylights frames shall be fabricated from 6063 T5 aluminum, finish to be specified. Frames shall have integral condensation and weepage gutters which drain interior moisture to the outside. Corners shall be mitered and welded. The acrylic glazing shall be separated from the skylight frame with an EPDM rubber air seal gasket.
- D. Individual lights shall be joined by an aluminum extruded mullion integral to the skylight frame, quantity as required for skylight size.
- E. 1) **Flat Skylights** shall be Triple glazed using SR40, 50% Impact modified Clear prismatic outer lens over SR25 White prismatic middle lens over Clear Double Skinned acrylic lower lens.
2) **Formed Skylights** shall be Double glazed using SR60, 50% Impact Modified Clear prismatic outer lens over SR25 White prismatic inner lens, or Triple glazed using SR60, 50% Impact Modified Clear prismatic outer lens over SR25 White prismatic middle lens over SR20 Clear prismatic lower lens.



Larger Sizes...

**Fewer
Penetrations...**

**Greater Light
Transmission
and Diffusion...**

**Than Tubular
Daylighting
Products**



Image: DMEA (Delta-Montrose Electric Association) Board Room, Montrose, CO (www.dmea.com).
Photography by Boo Creations (www.boocreations.com).

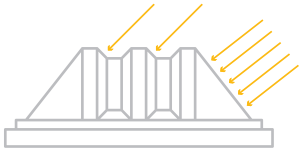
The **Sunoptics** **LightCube**™

**High Performance Daylighting Solutions
for Drop Ceiling Applications**



Because... There's No Greater Efficiency Than Off®

The Sunoptics LightCube™



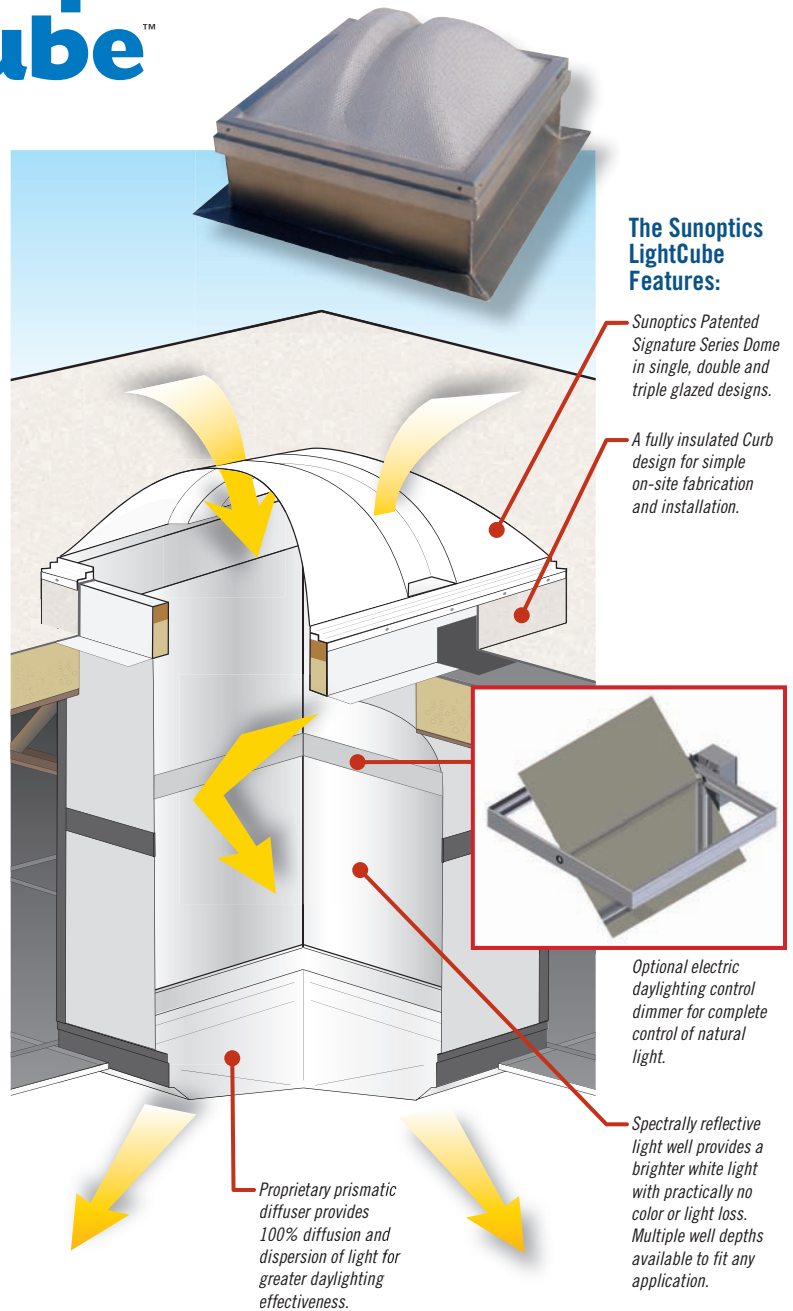
The Sunoptics LightCube is the latest innovation in high-performance prismatic daylighting and is designed for interior **drop ceiling** applications.

The Sunoptics LightCube is built on our patented Signature Series prismatic dome and designed to maximize light transmission with 100% diffusion. The Sunoptics LightCube's drop well utilizes the latest in spectrally reflective metal technology and when coupled with our proprietary prismatic diffusing lenses – results in the most effective daylighting solution available.

The Sunoptics LightCube:

- Provides more properly diffused natural light than any tubular skylight on the market.
- Comes in 2' x 2' (610mm x 610mm); 2' x 4' (610mm x 1220mm); and 4' x 4' (1220mm x 1220mm) sizes to maximize application choices and design styles while minimizing roof penetrations.
- In photometric testing, the 2020 Sunoptics LightCube provides double the light of the competitive 21" tubular skylight.
- Is designed to fit seamlessly into interior drop ceilings

Sunoptics LightCube – more hours of lights off per day with glare-free natural light.



Since 1978, Sunoptics has been the innovator in high-performance daylighting, featuring our unique, patented prismatic skylight design.

As the global leader in daylighting, with approximately one billion square feet of daylit space and growing, we are saving thousands of clients, hundreds of millions of dollars,

and making a significant impact on the environment by eliminating their dependence on electric lights during daylight hours. **After all, there's no greater efficiency than off!**



6201 27th Street
Sacramento, CA 95822
(916) 395-4700 Phone
(916) 395-9204 Fax
pure.energy@sunoptics.com

For more information, call Toll Free:

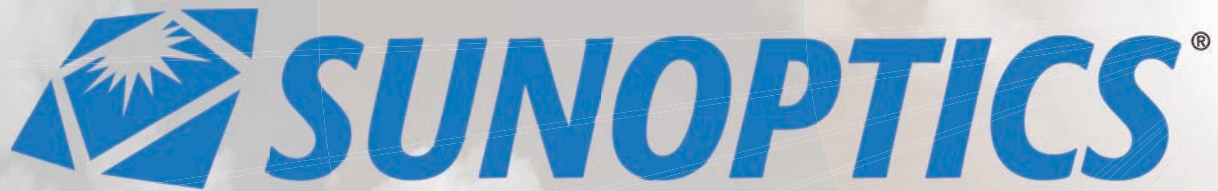
1-800-289-4700

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www.sunoptics.com



Because... There's No Greater Efficiency Than Off®



High Performance Prismatic Daylighting

SECTION 4

Light Control Systems



Light Control Louvers

Frame Model 900
Section 08620

Available Frame Finish

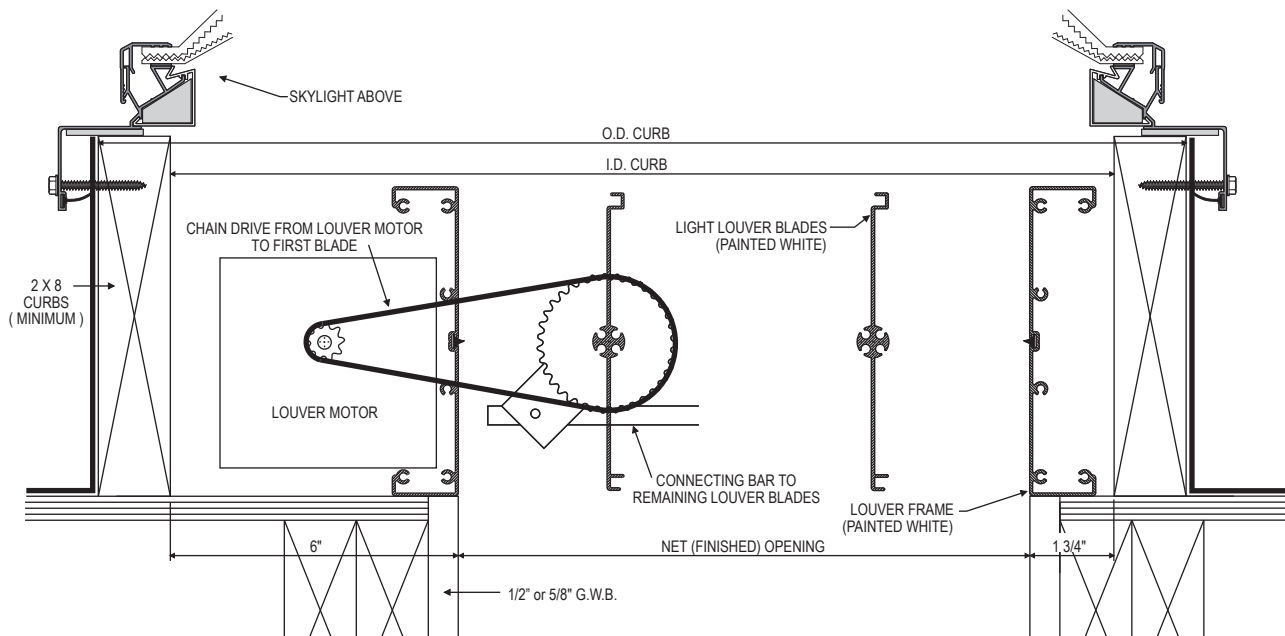
White (Baked on Enamel)

Motorized Operation
(With exterior motor)

Motorized
Light Louvers



Details (Scale: 3" = 1'-0")



Standard Sizes (Call-Out Dimensions)

Call-Out Size	Net (Finished) Opening	
	W	L
2020	24 3/8"	x 24 3/8"
2030	24 3/8"	x 36 3/8"
2040	24 3/8"	x 48 3/8"
2060	24 3/8"	x 72 3/8"
2080	24 3/8"	x 96 3/8"
3030	36 3/8"	x 36 3/8"
3040	36 3/8"	x 48 3/8"
3060	36 3/8"	x 72 3/8"
3080	36 3/8"	x 96 3/8"
4040	48 3/8"	x 48 3/8"
4060	48 3/8"	x 72 3/8"
4080	48 3/8"	x 96 3/8"

Specifications

- A. Light Control Louvers shall be Sunoptics model 900 motorized as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- B. Louvers shall be factory assembled, ready for installation.
- C. Louver frame and blades shall be fabricated from 6063-T6 aluminum, finish to be baked on enamel, white in color.
- D. Louver frames shall be mechanically joined at the corners. Blades shall be 6" on center, rotating on a 5/8" rigid PVC bearing. Aluminum end plates shall be fastened to the ends of each blade and act as thrust caps against the PVC bearing. End plates shall be attached to an aluminum bar on 1 side for gang operation.
- E. Louvers shall be electrically operated using Sunoptics standard synchronous 115VAC or 24VAC motor unit. The 60hz, 7 Watt motor shall be integrated to the louver assembly and shall be equipped with limit switches at full open and closed positions drawing 6 amps.
- F. A cycle test was performed on the Sunoptics Louver and successfully taken to over 2,000,000 cycles.

Light Control Louvers

Frame Model 900
Section 08620

Available Frame Finish

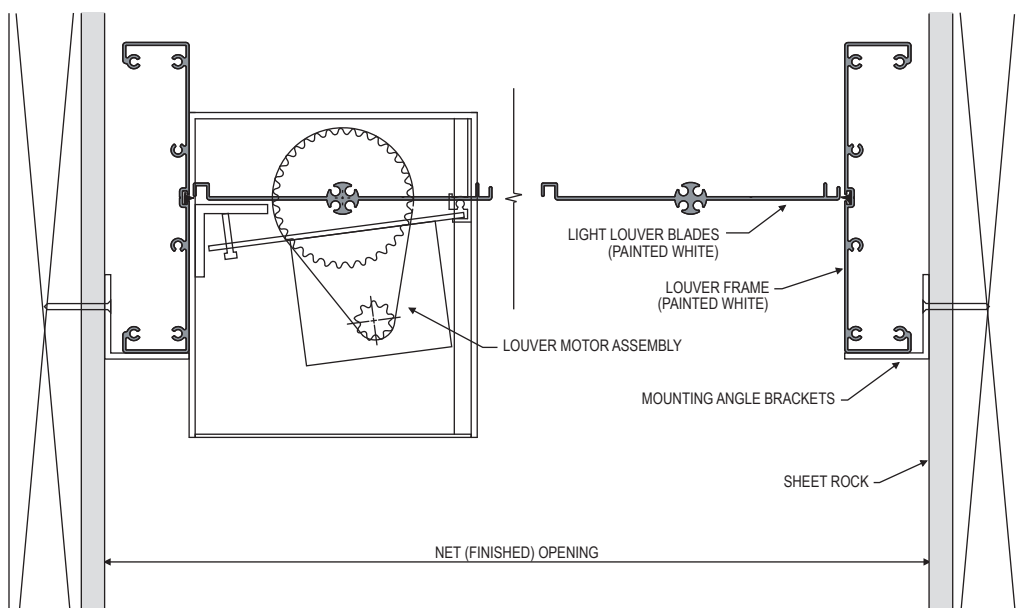
White (Baked on Enamel)

Motorized Operation
(With interior motor)

Motorized
Light Louvers



Details (Scale: 3" = 1'-0")



Standard Sizes (Call-Out Dimensions)

Size	Net (Finished) Dimensions
2020	21 1/2" x 21 1/2"
2030	21 1/2" x 33 1/2"
2040	21 1/2" x 45 1/2"
2060	21 1/2" x 69 1/2"
2080	21 1/2" x 93 1/2"
3030	33 1/2" x 33 1/2"
3040	33 1/2" x 45 1/2"
3060	33 1/2" x 69 1/2"
3080	33 1/2" x 93 1/2"
4040	45 1/2" x 45 1/2"
4060	45 1/2" x 69 1/2"
4080	45 1/2" x 93 1/2"

Specifications

- A. Light Control Louvers shall be Sunoptics model 900 motorized as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- B. Louvers shall be factory assembled, ready for installation.
- C. Louver frame and blades shall be fabricated from 6063-T6 aluminum, finish to be baked on enamel, white in color.
- D. Louver frames shall be mechanically joined at the corners. Blades shall be 6" on center, rotating on a 5/8" rigid PVC bearing. Aluminum end plates shall be fastened to the ends of each blade and act as thrust caps against the PVC bearing. End plates shall be attached to an aluminum bar on 1 side for gang operation.
- E. Louvers shall be electrically operated using Sunoptics standard synchronous 115VAC or 24VAC motor unit. The 60hz, 7 Watt motor shall be integrated to the louver assembly and shall be equipped with limit switches at full open and closed positions drawing 6 amps.
- F. A cycle test was performed on the Sunoptics Louver and successfully taken to over 2,000,000 cycles.

Light Control Louvers

Frame Model 900
Section 08620

Available Frame Finish

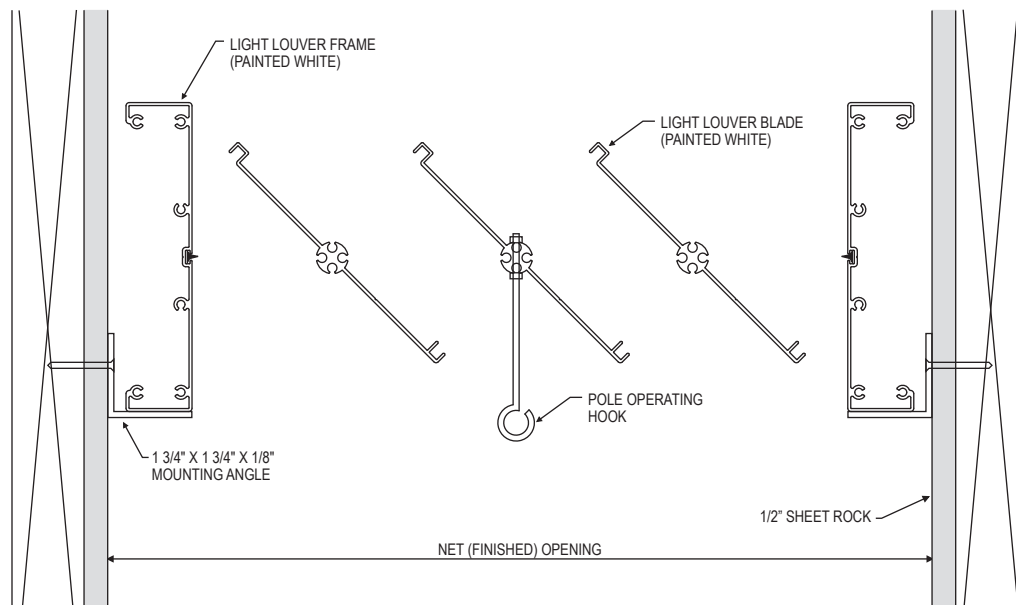
White (Baked on Enamel)



Manual Operation

Manual Light Louvers

Details (Scale: 3" = 1'-0")



Standard Sizes (Call-Out Dimensions)

Size	Net (Finished) Dimensions
2020	21 1/2" x 21 1/2"
2030	21 1/2" x 33 1/2"
2040	21 1/2" x 45 1/2"
2060	21 1/2" x 69 1/2"
2080	21 1/2" x 93 1/2"
3030	33 1/2" x 33 1/2"
3040	33 1/2" x 45 1/2"
3060	33 1/2" x 69 1/2"
3080	33 1/2" x 93 1/2"
4040	45 1/2" x 45 1/2"
4060	45 1/2" x 69 1/2"
4080	45 1/2" x 93 1/2"

Specifications

- A. Light Control Louvers shall be Sunoptics model 900 manually operated as manufactured by Sunoptics Skylights, 6201 27th Street, Sacramento Ca. 95822 916/395-4700
- B. Louvers shall be factory assembled, ready for installation.
- C. Louver frame and blades shall be fabricated from 6063-T5 aluminum, finish to be baked on enamel, white in color.
- D. Louver frames shall be mechanically joined at the corners. Blades shall be 6" on center, rotating on a 5/8" rigid PVC bearing. Aluminum end plates shall be fastened to the ends of each blade and act as thrust caps against the PVC bearing. End plates shall be attached to an aluminum bar on 1 side for gang operation.
- E. Louvers shall be equipped with an eye hook rod, mounted to 1 blade for pole operation.