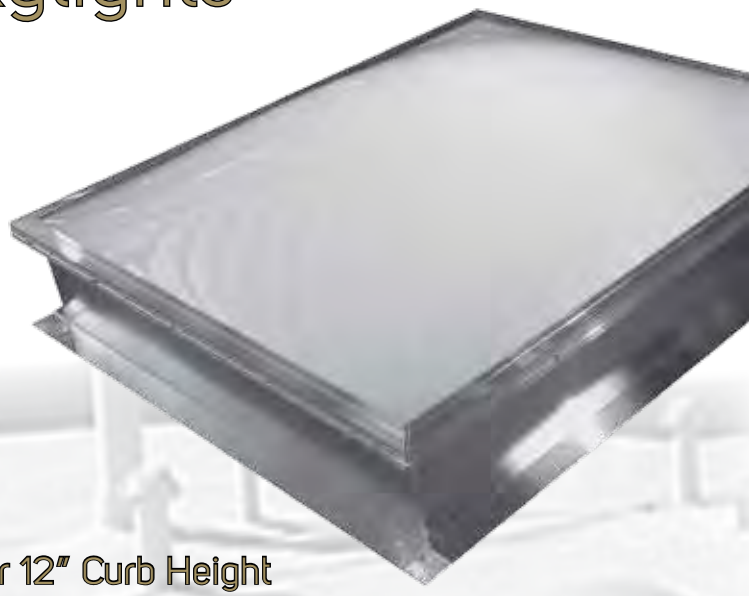
Sun-Tek® COMMERCIAL

Let the Sunshine In!

Commercial Polycarbonate Skylights

For over 30 years Sun-Tek has been manufacturing the most complete line of high standard - residential skylighting here in the United States.

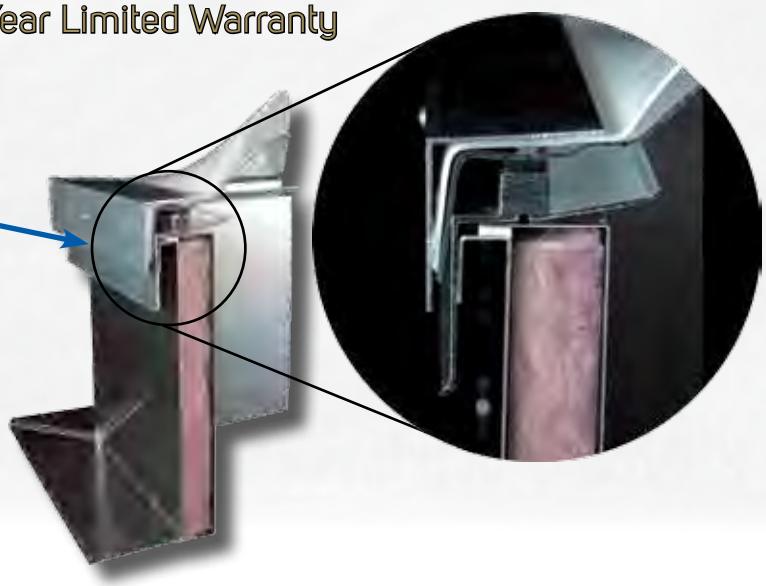
We are now offering this same great assurance in a commercial version.



Pictured:
Thermally Broken
Insulated Curb

- 6", 9" or 12" Curb Height
- Optional Mill, Bronze or White Finish
- Single or Double Domes
- Pyramid Domes Available
- Optional White, Clear or Bronze Domes
- Insulated or Non-Insulated
- 5 Year Limited Warranty

We have engineered our polycarbonate* dome to wrap all the way down the curb portion of the unit for added water diversion. In addition, it is fastened through the polycarbonate for increased strength and durability.



Sun-Tek
Fall Protection Available

Comparisons	Polycarbonate*	Acrylic
Impact - vs Glass	250 times more	17 times more
Weight - vs Glass	½ the Weight	½ the weight
Heat Tolerance	up to 240º F	up to 190º F

35 YEARS SUN-TEK SKYLIGHTS SEAL OF QUALITY

PROUDLY MADE IN THE USA

Contact your local Sun-Tek representative or Sun-Tek customer service for pricing and availability. 800-334-5854

Sun-Tek SKYLIGHTS® *Let the Sunshine In!*

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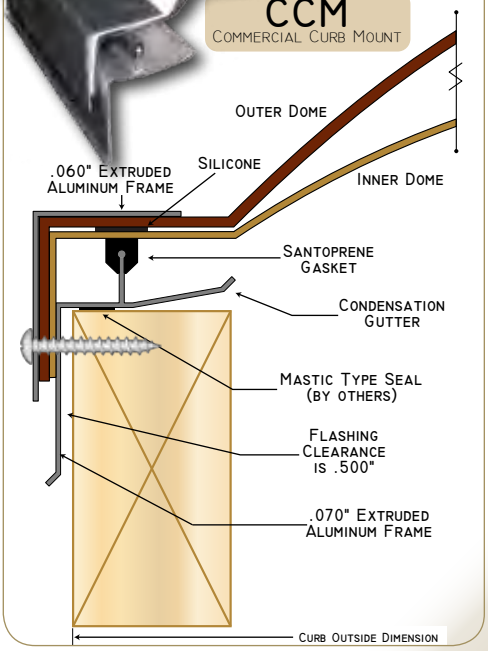
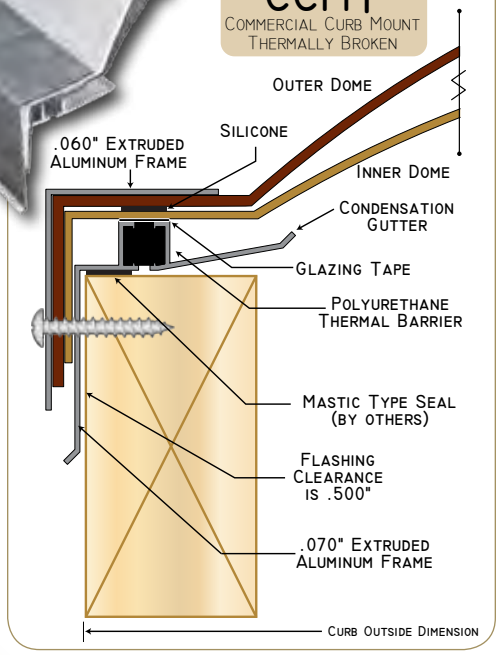
Sun-Tek Commercial Options

CCM
Commercial Curb Mount



No Thermal Break
Self-Built Curb

CCMT
Commercial Curb Mount Thermally Broken



Thermally Broken
Self-Built Curb

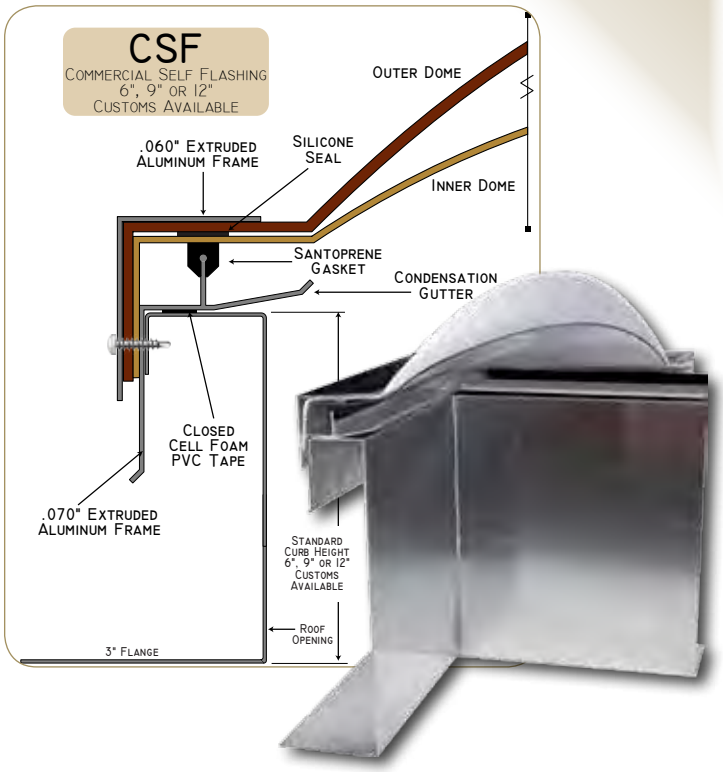
The CCM + the Curb = our CSF

No Thermal Break
Non- Insulated Curb

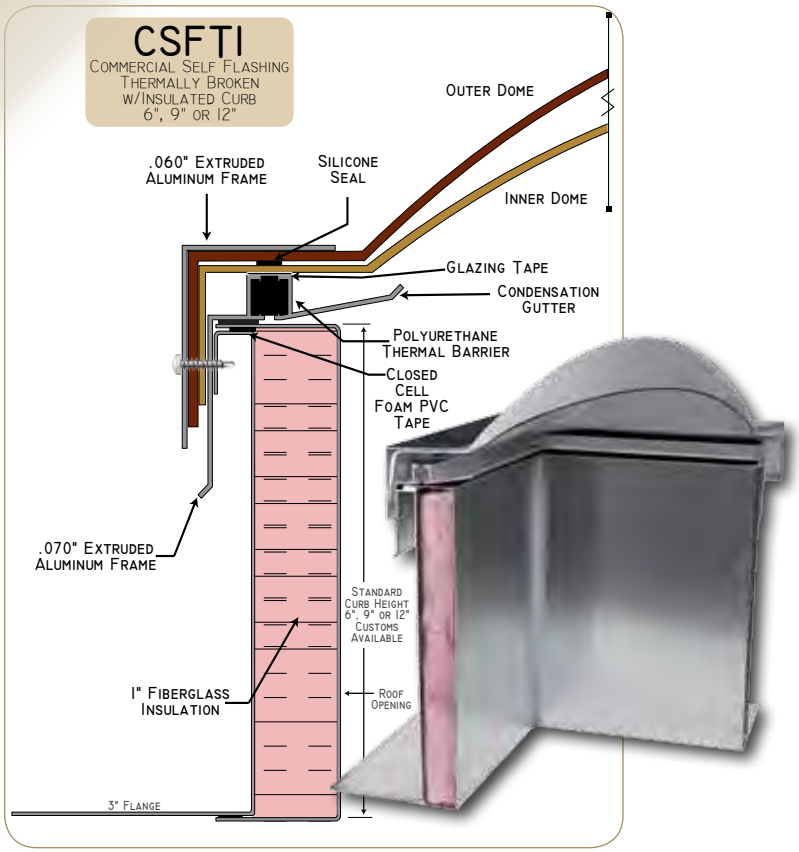
Thermally Broken
Insulated Curb

The CCMT + the Insulated Curb = our CSFTI

CSF
Commercial Self Flashing
6", 9" or 12"
Customs Available



CSFTI
Commercial Self Flashing Thermally Broken w/Insulated Curb
6", 9" or 12"



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COMMERCIAL SKYLIGHT LIMITED WARRANTY

Sun-Tek Manufacturing, Inc. ("Sun Tek") 10303 General Drive, Orlando, Florida 32824, (407) 859-2117, warrants this Skylight on the following terms and conditions:

A. Warranty Coverage: This warranty applies to both the original purchaser and first consumer-owner of a Skylight made by Sun-Tek.

B. Warranty Duration: This warranty shall remain in effect for a period of five (5) years after the date the Skylight(s) is/are purchased or the date the skylight is delivered to the first consumer-owner, whichever is later.

C. Warranty Application: This warranty applies only to the materials and fabrication of the Skylight and does not apply to any defect or damage caused by improper use, improper installation, improper care, shipping damage or accident. This warranty does not cover any cosmetic changes in skylight, including but not limited to pitting, hazing, paint finish, discoloration. Condensation or damaged caused by condensation is not covered under this warranty.

D. Performance by Sun-Tek: During the warranty period, Sun-Tek will provide free of charge an equivalent new skylight (or component thereof) for one found to be defective in material or workmanship. Shipping costs of such replacements are not the responsibility of Sun-Tek. Sun-Tek will not be responsible for any costs of removal or re-installation.

E. Validation Procedure: To obtain performance under this warranty, the purchaser must: (1) On installed skylights, contact Sun-Tek for instructions before removing skylight. Removal of skylight from roof before inspection will void warranty. (2) Notify Sun-Tek in writing of any claim within thirty (30) days after the defect is discovered; (3) Sun-Tek or its authorized agents must examine high quality installed photographs of the subject skylight and determine to its satisfaction whether the defect is covered by this warranty ; and (4) Present a copy of the receipt as proof of purchase.

F. Implied Warranties: IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESS WARRANTIES PROVIDED HEREIN. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

G. Incidental or Consequential Damages: SUN-TEK SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOSS OF TIME OR REVENUE, DAMAGE RESULTING TO OTHER PROPERTY OR OTHER EXPENSES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

H. Exclusive Warranty: THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES. This warranty gives you specific legal rights. You may have other rights which vary from state to state.

Cleaning/Maintenance

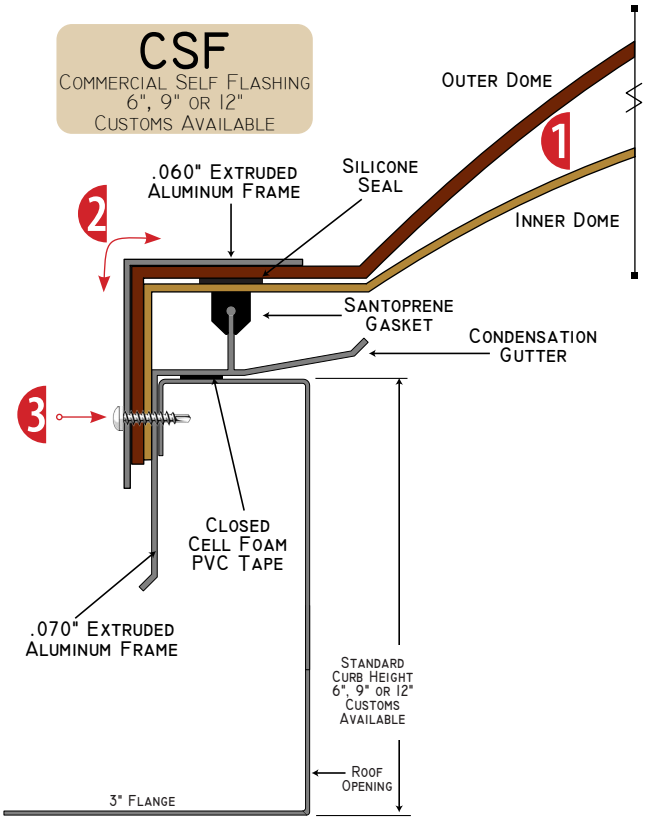
Wash polycarbonate sheet with a mild soap or detergent (such as 409 cleaner) and lukewarm water, using a clean sponge or a soft cloth. Rinse well with clean water. Dry thoroughly with a chamois or moist cellulose sponge to prevent water spots. Do not scrub or use brushes or abrasives on these products; the UV coating is not mar resistant. Also do not use butyl cellosolve in direct sunlight.

DON'T use abrasive or highly alkaline cleaners on the polycarbonate.
DON'T scrape the polycarbonate sheet with squeegees, razor blades or other sharp instruments.
DON'T ever use benzene, gasoline, acetone or carbon tetrachloride on the polycarbonate sheets.
DON'T clean polycarbonate sheets in hot sun or on very hot days.

Sun-Tek vs. The Competition

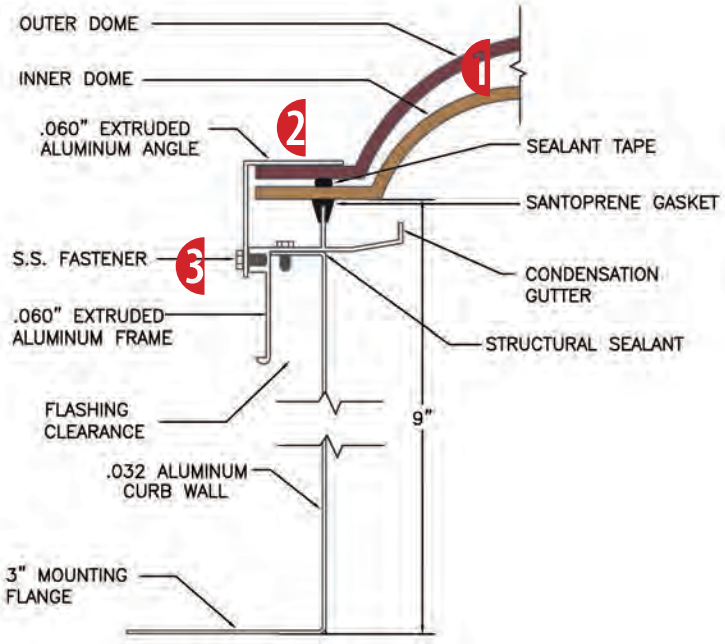
How Do We Stack Up?

Sun-Tek



1. POLYCARBONATE (STANDARD)
   30 times more impact resistant than Acrylic and at a competitive price
2. THERMO FORMED OVER THE CURB
   Can't leak - Two continuous sheets of polycarbonate wrapped around and down the curb
3. FASTENED
   More stability with the outer aluminum ring and the polycarbonate secured with fasteners through the curb

Brand "X"



1. ACRYLIC (STANDARD)
   Much more likely to fracture over time
2. JUST RESTS ON THE CURB
   Subject to leakage from wicking back under the acrylic sheet
3. NOT FASTENED TO THE CURB
   The acrylic sheet is not fastened directly to the curb. Structure and stability can be compromised under load.

Polycarbonate vs. Acrylic 101

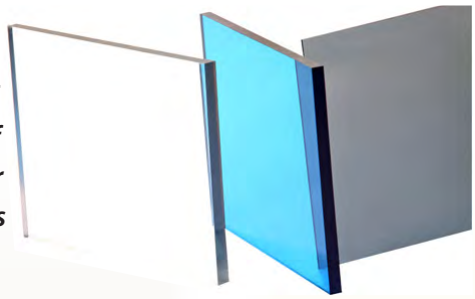
What is Best for My Application

Acrylic sheet and Polycarbonate sheet are two of the most widely used plastics for optical applications. Polycarbonate is sometimes called Lexan®, which is a trademark by GE Plastics. An other popular brand name for Polycarbonate is Makrolon®, owned by Bayer. Acrylic on the other hand is often called Plexiglas. Plexiglas® is a trademark by Roehm and Hass.

It should be remembered that both materials have their advantages and it is not a case of which one is better. As always, it is important to select the right material for the application.

POLYCARBONATE

Polycarbonate has 250 times the impact resistance of glass making it extremely strong. It's also half the weight of glass and has a light transmittance of 89 percent. Polycarbonate is weather resistant and can handle temperatures up to 240 degrees Fahrenheit.



ACRYLIC

Acrylic has 17 times the impact resistance of glass and weighs half as much. Acrylic also has better clarity than glass, with a light transmittance of 92 percent. Acrylic can handle temperatures up to 190 degrees Fahrenheit.

Key Characteristics (Polycarbonate) :

- Used for more industry applications
- Bulletproof when thick enough or when used with glass
- More bendable under normal temperatures (0-20°C)
- Yellows over time due to ultraviolet rays
- Easier to work with (cut, less likely to break)
- Diffuses light, can lighten (could be positive).

Key Characteristics (Acrylic) :

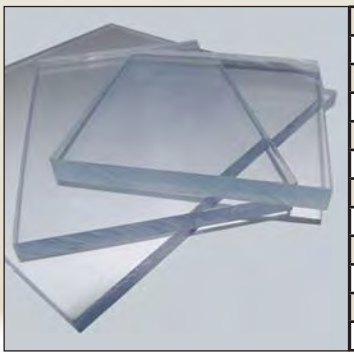
- More likely to chip, less impact resistance than Polycarbonate. (still 10-24 times more resistant than float glass)
- Less likely to scratch.
- Yellows more slowly than Polycarbonate from UV rays.
- Better clarity. Acrylic can be restored to optical clarity by polishing.

Popular Uses (Polycarbonate) :

- Compact Discs, DVDs
- Skylights
- Sunglass/Eyeglass Lenses, Safety Glasses
- Drinking Bottles
- Computers: Apple, Inc.'s MacBook, iMac, and Mac mini cases
- Riot Shields, Visors
- Instrument Panels
- Bullet-Proof Glass
- Race Car Windshields
- Visors for Hockey and Football
- Window Well Covers
- Re-Usable Drinking Bottles

Popular Uses (Acrylic) :

- Motorcycle Helmet Visors
- Helicopter & Submarine Windows
- Spectator protection in ice hockey
- Swimming Pool Windows
- Aquariums (including large public aquarium walls and tunnels)
- Fish Tanks and Aquariums
- Animal and Reptile Enclosures
- Retail Product Displays
- Skylights
- Storm Window Linings (interior layer)



		Polycarb	Acrylic
Density	g/cm^3	1.2	1.19
Max weight gain during immersion	%	0.35	2.1
Tensile strength σM at 23°C	MPa	60-70	80
Flexural strength σbB	MPa	90	115
Impact strength acU (Charpy)	kJ/m2	35	15
Flexural strength σbB	MPa	90	115
Optical Light Transmission	%	89	92
Forming Temperature	°C	185...205	160...175
Vicat B Temperature	°C	145	115
Velocity of Sound	m/min	2270	2750
Attenuation at 5MHz	dB/cm	24.9	6.4
Fire Rating	DIN 4102	B2	B2

Sources:
Lexan 9030 Sheet Product Datasheet
Plexiglas GS Product Description
Makrolon AR - Bayer Sheet Europe

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Strength

Acrylic and Polycarbonate are both half the weight of glass and yet both of these plastics are much stronger than glass.

Polycarbonate has 250 times the impact resistance of glass. Polycarbonate is well known for its strength and resistance to impacts. When it is hit with an object it is almost impossible to break. It is one reason why face shields and protective goggles are often made from Polycarbonate.

Acrylic has 17 times the impact resistance of glass. Acrylic is very rigid and does not have the same strength and resistance to impact as Polycarbonate. If it is hit with sufficient force it will shatter.

Light & Clarity

Polycarbonate has a light transmittance of 89 percent. The reason for the difference vs. Acrylic is the refractive index of the two materials. Polycarbonate has a refractive index of 1.585.

Acrylic also has better clarity than glass, with a light transmittance of 92 percent. Acrylic can be polished to restore its clarity, while polycarbonate is less responsive to polishing. Acrylic has a refractive index of 1.49

Heat Stability

Polycarbonate has a heat distortion temperature of 264° F. Polycarbonate is much more resistant to temperature than Acrylic. This means that if the application involves a higher temperature environment where the structural integrity of the material is required, Polycarbonate may be a better choice. The Heat Stability is also important in vapor deposition of coatings such as Indium Tin Oxide. It is possible to apply more conductive surfaces onto Polycarbonate than Acrylic.

Acrylic has a heat distortion temperature under a load of 190° F. As with Polycarbonate, Acrylic may expand and contract with changes in temperature although it won't permanently shrink over time.

Durability

Both acrylic and polycarbonate can scratch, so wool rags and paper towels, with abrasive binding agents, should be avoided.

Polycarbonate has low flammability, while acrylic will burn slowly and is not recommended in areas where flames may be present.

Acrylic is more likely to chip than polycarbonate because it is less impact-resistant. It does not scratch easily, however, and will not yellow over time.

Cleaning

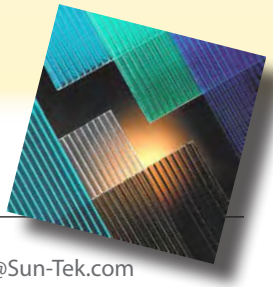
Both acrylic and polycarbonate are easy to clean. The best choice for cleaning is a microfibre or 100-percent cotton cloth.

Polycarbonate has a higher chemical resistance than acrylic; it can be cleaned by harsher cleaners containing chemicals such as ammonia. Neither plastic should be cleaned with solvents.

Acrylic has a low chemical resistance and needs more specific cleaners. When cleaning acrylic, it is best to use only mild soap and water or a plastic cleaner. Neither plastic should be cleaned with solvents.

Poly vs Acrylic VIDEO

A video produced by National Cycle illustrates some of these differences.



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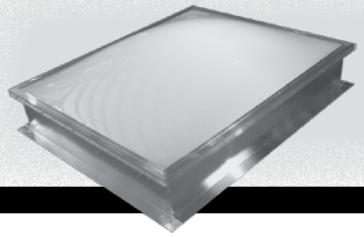
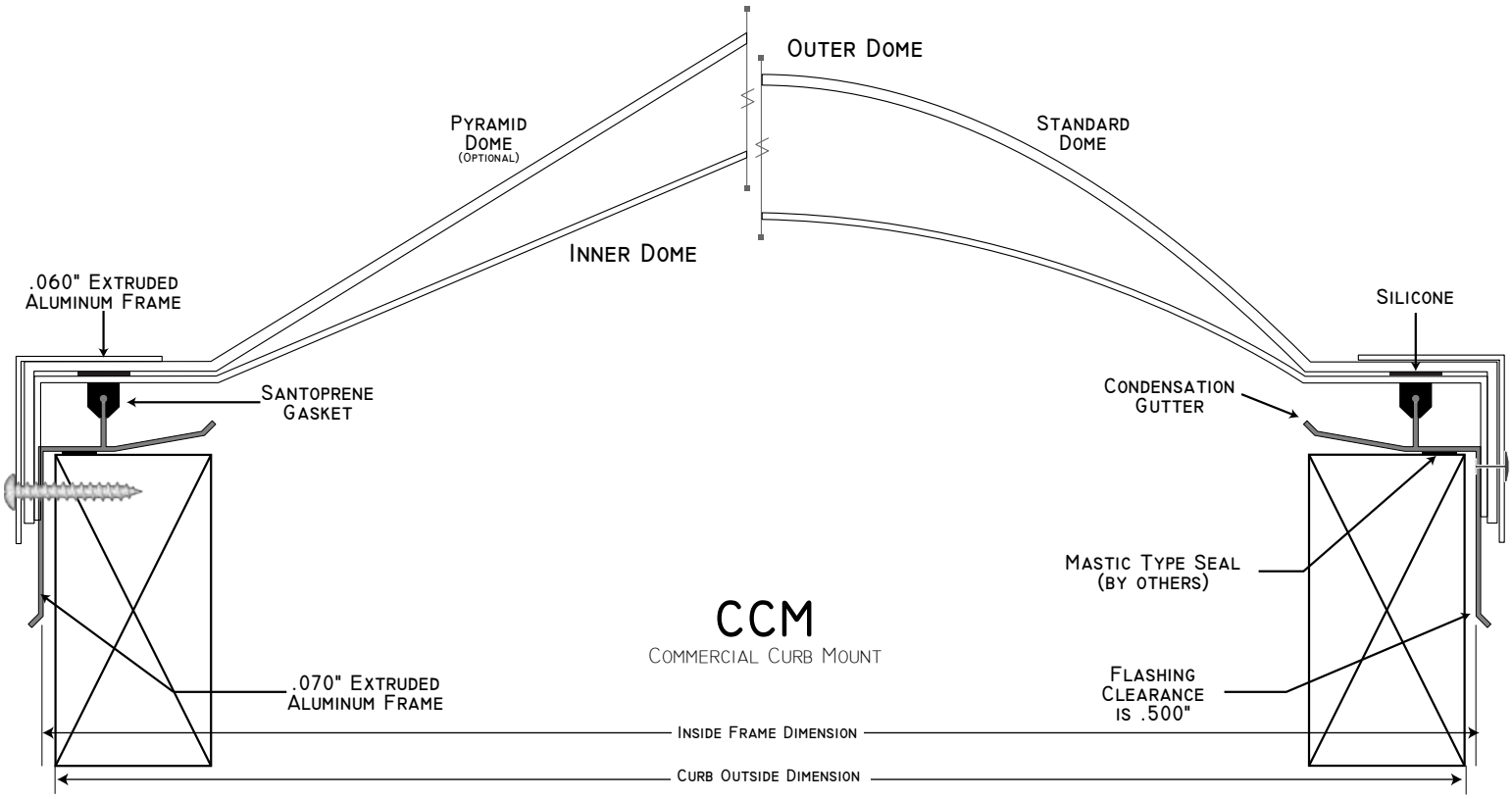


Commercial Product Data Sheet

PROFILE



SPECIFICATIONS

Skylights shall be Sun-Tek model CCM manufactured by Sun-Tek Manufacturing, 10303 General Drive, Orlando, FL. 32824

Aluminum retaining angle shall be fabricated from 6063-T5 aluminum with a minimum thickness of .060 inch. All corners shall be miter cut and welded using the TIG welding process.

CCM extruded aluminum inner frame with integral condensation gutter. Extruded aluminum inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process. CCM extruded aluminum inner frame with integral condensation gutter separated from glazing by santoprene gasket. Inner frame shall have weep holes for drainage to the exterior.

Polycarbonate monolithic, formable, transparent or translucent sheets with good weather resistance and excellent impact resistance. Single dome application, outer dome .118 minimum thickness unless otherwise specified by architect. Double dome application, outer dome .118 thickness unless otherwise specified by architect. Inner dome .080 minimum thickness. Single and double dome applications, the domes shall extend, vertically downward, over the exterior side of the inner frame to a minimum of one (1) inch. Outer and inner dome shall be sealed together with silicone.

Outer and inner dome meet the following:

- ASTM D 635
- ASTM D 638
- ASTM D 1929
- ASTM E 84
- ASTM G 26

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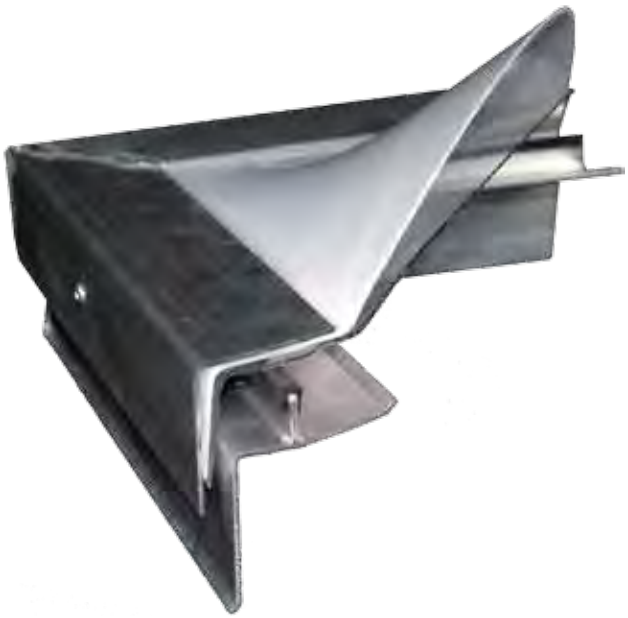
SPECIFICATIONS (CON'T)

The Exterior aluminum extruded retaining angle, outer dome, and inner dome (in double dome applications) and extruded aluminum inner frame, for both CCM and CCMT shall be fastened together by 0.1875 diameter aluminum rivets with stainless steel washer. All fasteners used for securing the skylight to the structure shall be provided by others.

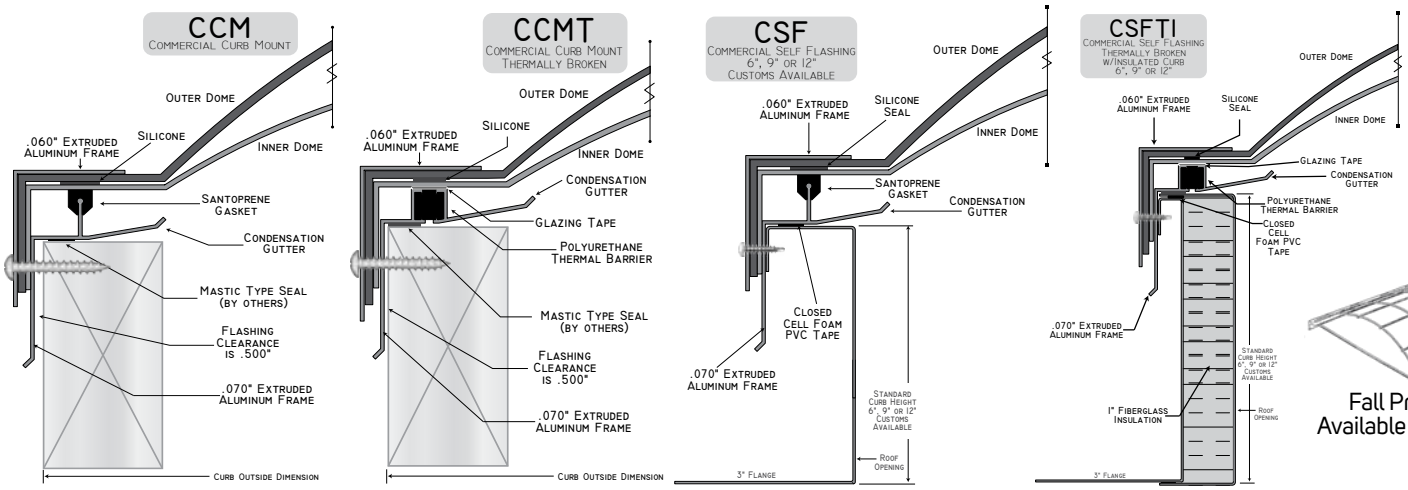
CCM shall be tested to AAMA/WDMA/CSA 101/I.S.2/A440-08, NAFS North American Fenestration Standard/Specification for windows, doors and skylights. Includes: ASTM E283-04, ASTM E547-00 and ASTM E330-02. Standard and custom sizes up to 40100 (ID 49.1875 x 118.5) achieved +/- 40 psf design pressure. The Primary Product Designator is Class CW-PG40 1291 x 3045 mm (50.8125 x 119.875)-SKP/RW.

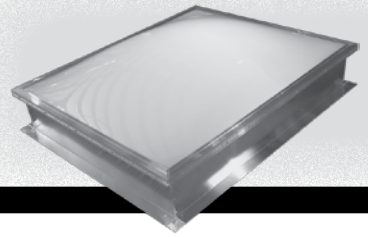
PLASTIC SKYLIGHT ASSEMBLIES:

- Factory assembled curb mounted unit skylight consisting polycarbonate glazing attached to outer and inner extruded frames made from 6063-T5 aluminum.
- All unit skylights to be factory assembled and factory glazed.
- All units shall have integral condensation gutters that drain to the exterior.
- Size: See schedule.
- Polycarbonate outer dome minimum 0.118 thickness. Inner dome polycarbonate dome minimum 0.080 thickness.
- Outer and inner domes; Transparent Bronze, Clear, translucent White or other specified by architect.
- Curbs: Made by others.



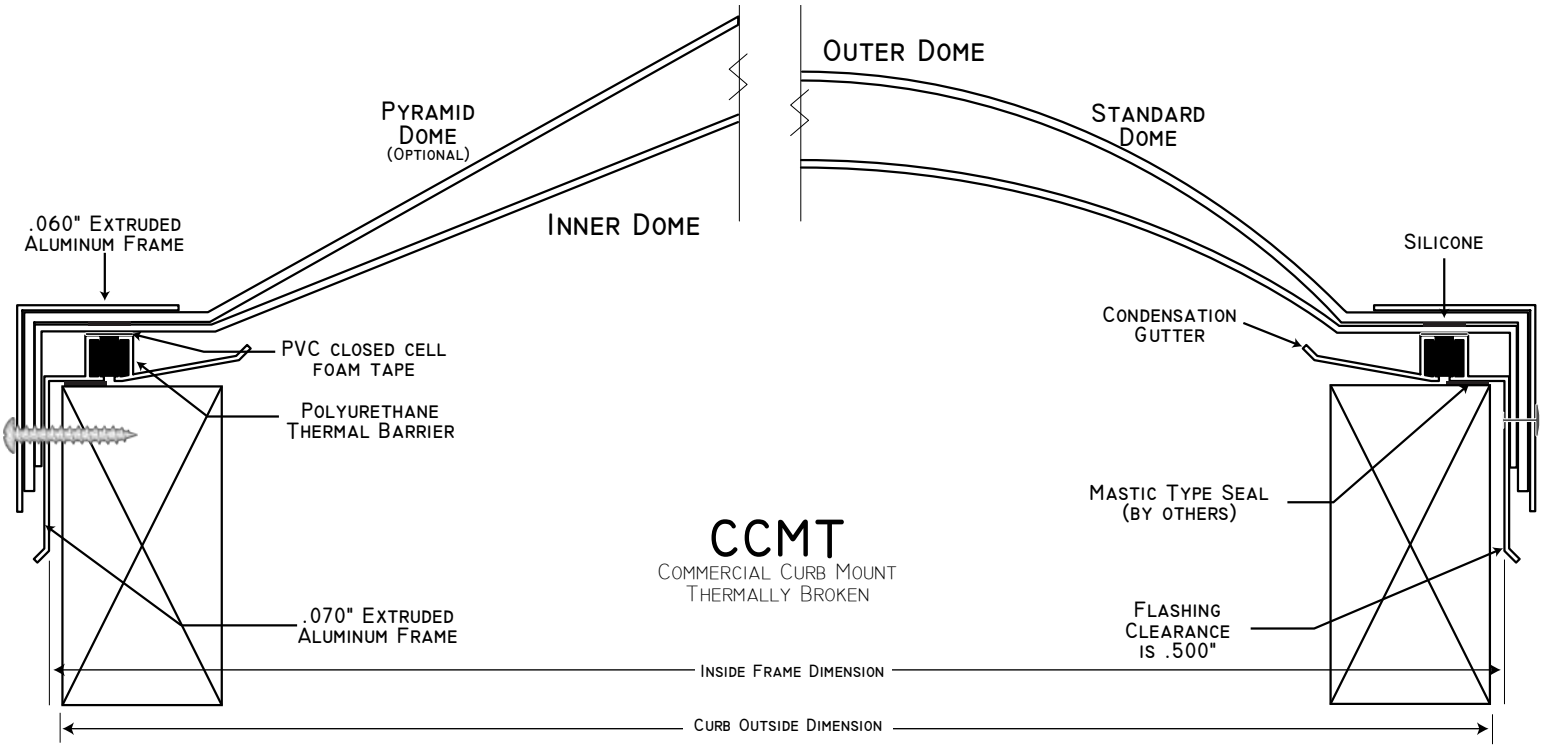
AVAILABLE OPTIONS





Commercial Product Data Sheet

PROFILE



SPECIFICATIONS

Skylights shall be Sun-Tek model CCMT manufactured by Sun-Tek Manufacturing, 10303 General Drive, Orlando, FL. 32824

Aluminum retaining angle shall be fabricated from 6063-T5 aluminum with a minimum thickness of .060 inch. All corners shall be miter cut and welded using the TIG welding process.

CCMT extruded aluminum inner frame with polyurethane thermal break and integral condensation gutter. Extruded aluminum inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process. CCMT extruded aluminum inner frame with integral condensation gutter separated from glazing by closed cell PVC foam tape. Inner frame shall have weep holes for drainage to the exterior.

Polycarbonate monolithic, formable, transparent or translucent sheets with good weather resistance and excellent impact resistance. Single dome application, outer dome .118 minimum thickness unless otherwise specified by architect. Double dome application, outer dome .118 thickness unless otherwise specified by architect. Inner dome .080 minimum thickness. Single and double dome applications, the domes shall extend, vertically downward, over the exterior side of the inner frame to a minimum of one (1) inch. Outer and inner dome shall be sealed together with silicone.

Outer and inner dome meet the following:

- ASTM D 635
- ASTM D 638
- ASTM D 1929
- ASTM E 84
- ASTM G 26

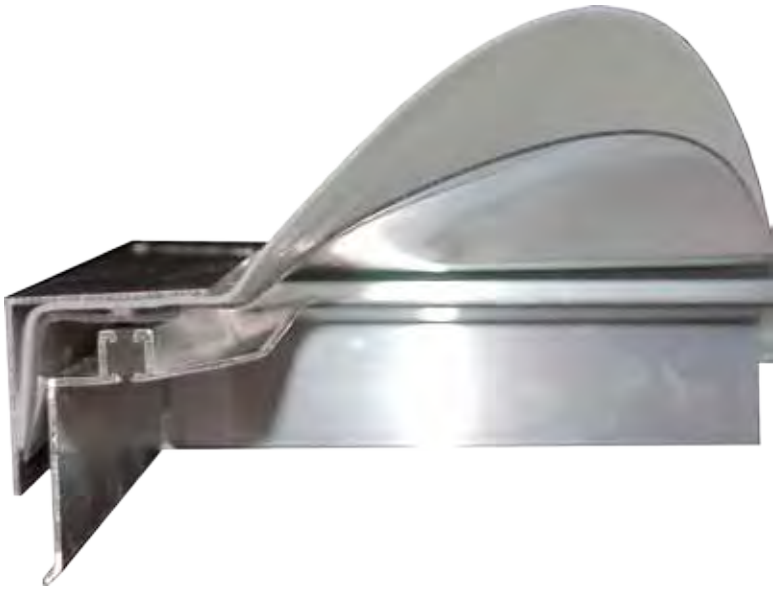
SPECIFICATIONS (CON'T)

The Exterior aluminum extruded retaining angle, outer dome, and inner dome (in double dome applications) and extruded aluminum inner frame, for both CCM and CCMT shall be fastened together by 0.1875 diameter aluminum rivets with stainless steel washer. All fasteners used for securing the skylight to the structure shall be provided by others.

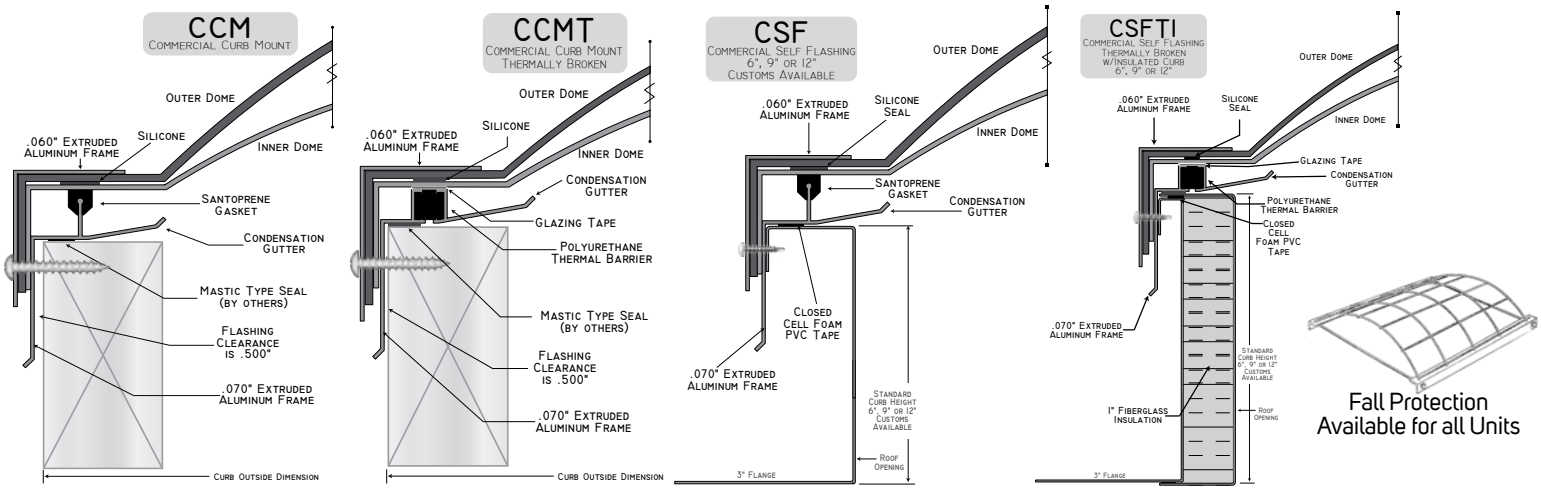
CCMT shall be tested to AAMA/WDMA/CSA 101/I.S.2/A440-08, NAFS North American Fenestration Standard/Specification for windows, doors and skylights. Includes: ASTM E283-04, ASTM E547-00 and ASTM E330-02. Standard and custom sizes up to 40100 (ID 49.1875 x 118.5) achieved +/- 40 psf design pressure. The Primary Product Designator is Class CW-PG40 1291 x 3045 mm (50.8125 x 119.875)-SKP/RW.

PLASTIC SKYLIGHT ASSEMBLIES:

- Factory assembled curb mounted unit skylight consisting polycarbonate glazing attached to outer and inner extruded frames made from 6063-T5 aluminum.
- All unit skylights to be factory assembled and factory glazed.
- All units shall have integral condensation gutters that drain to the exterior.
- Size: See schedule.
- Polycarbonate outer dome minimum 0.118 thickness. Inner dome polycarbonate dome minimum 0.080 thickness.
- Outer and inner domes; Transparent Bronze, Clear, translucent White or other specified by architect.
- Curbs: Made by others.



AVAILABLE OPTIONS



SECTION 08620 UNIT SKYLIGHTS

Commercial Curb Mount (CCM), Commercial Curb Mount Pyramid (CCMP), Commercial Curb Mount Thermal (CCMT) and Commercial Curb Mount Thermal Pyramid (CCMTP)

PART 1: GENERAL

1.1 Related Documents

A) Specifications and drawings necessary for the complete application of Polycarbonate glazed CCM, CCMP, CCMT and CCMTP unit skylights and related aspects of installation.

B) Work included is limited to Factory built curb mounted unit skylights, to be installed on curbs provided by others.

1.2 Referenced Standards

A) ASTM D 635: Standard Test Method for Rate of Burning and/or Extent and Times of Burning of Plastics in a Horizontal Position.

B) ASTM D 638-D: Standard Test Method for Tensile Properties of Plastics

C) ASTM D 1929: Standard Test Method for Determining Ignition Temperature of Plastics.

D) ASTM E 84: Standard Test Method for Surface Burning.

E) ASTM G 26: Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) with and without Water for Exposure of Nonmetallic Materials.

F) AAMA/WDMA/CSA 101/I.S.2/A440-08

G) ASTM E283-04

H) ASTM E547-00

I) ASTM E330-02

1.3 Performance

A) Provide unit skylight capable of withstanding structural requirements without failure. Failure includes the following:

1) Thermal stress transferred to glazing from the framing members.

2) Loosening of fasteners and attachments.

3) Sealant failure of the skylight.

B) Standard and custom sizes up to 40100 (ID 49.1875 x 118.5) achieved +/- 40 psf design pressure.

C) The Primary Product Designator is Class CW-PG40 1291 x 3045 mm (50.8125 x 119.875)-SKP/RW.

1.4 Submittals

A) Submit copies of standard manufacturer's approval sheet for architect review and approval

1.5 Warranty

A) General: The warranties expressed in this section cover the skylights provided by Sun-Tek Mfg. only.

B) Skylight warranty: Provide written warranty against material and workmanship defects. Defect is defined as uncontrolled water leakage or abnormal aging and deterioration for a period of five (5) years from the date of installation.

PART 2: PRODUCTS

2.1 Manufacturers

A) Manufacturers: Shall be subject to compliance with requirements; provide products by the following or approved substitute.

1) Sun-Tek Manufacturing, Inc. 10303 General Dr. Orlando, Fl 32824

B) Substitutions: Manufacturers shall not be considered without prior approval, in writing, no later than ten (10) calendar days before bid. Substitute manufacturers must have a minimum fifteen (15) years' experience in the design and manufacture of skylights, must have similar complexity of projects completed within the past five (5) years and must submit specifications and drawings for Architect review.

2.2 Materials

A) Extruded aluminum retaining angle.

1) Aluminum retaining angle shall be fabricated from 6063-T5 aluminum with a minimum thickness of .060 inch. All corners shall be miter cut and welded using the TIG welding process.

B) Extruded aluminum inner frame.

1) CCM extruded aluminum inner frame with integral condensation gutter. Extruded aluminum inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process.

2) CCM extruded aluminum inner frame with integral condensation gutter separated from glazing by santoprene gasket. Inner frame shall have weep holes for drainage to the exterior.

3) CCMT extruded aluminum thermally broken inner frame with integral condensation gutter. The inner frame shall have a polyurethane thermal break to reduce thermal transfer and reduce condensation on the interior of the frame. Extruded inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process.

4) CCMT extruded aluminum inner frame with integral condensation gutter separated from glazing by adhesive closed cell foam tape. Inner frame shall have weep holes for drainage to the exterior.

C) Plastic Sheet

1) Polycarbonate monolithic, formable, transparent or translucent sheets with

good weather resistance and excellent impact resistance.

2) Single dome application, outer dome .118 minimum thickness unless otherwise specified by architect.

3) Double dome application, outer dome .118 thickness unless otherwise specified by architect. Inner dome .080 minimum thickness.

4) Single and double dome applications, the domes shall extend, vertically downward, over the exterior side of the inner frame to a minimum of one (1) inch.

5) Outer and inner dome shall be sealed together with silicone.

6) Outer and inner dome meet the following:

i) ASTM D 635

ii) ASTM D 638

iii) ASTM D 1929

iv) ASTM E 84

v) ASTM G 26

D) Fasteners

1) The Exterior aluminum extruded retaining angle, outer dome, and inner dome (in double dome applications) and extruded aluminum inner frame, for both CCM and CCMT shall be fastened together by 0.1875 diameter aluminum rivets with aluminum washer. All fasteners used for securing the skylight to the structure shall be provided by others.

2.3 Plastic Skylight Assemblies

A) General: Factory assembled curb mounted unit skylight consisting polycarbonate glazing attached to outer and inner extruded frames made from 6063-T5 aluminum.

B) Products: CCM(commercial curb mount), CCMT(commercial curb mount thermal), CCMP(commercial curb mount pyramid) and CCMTP(commercial curb mount thermal pyramid)

C) All unit skylights to be factory assembled and factory glazed.

D) Condensation control: All units shall have integral condensation gutters that drain to the exterior.

E) Thermal Break: Model CCMT and CCMTP thermally separated from the exterior temperatures.

F) Size: See schedule.

G) Glazing: Polycarbonate outer dome minimum 0.118 thickness. Inner dome polycarbonate dome minimum 0.080 thickness.

H) Tint: Outer and inner domes; Transparent Bronze, Clear, translucent White or other specified by architect.

I) Curbs: Made by others.

2.4 Aluminum Finishes

A) Mill Finish: Standard Mill finish unless specified.

PART 3: INSTALLATION

3.1 Site Inspection: The installation opening shall be verified to the drawing, with the installer present. Installation work shall not proceed until corrections have been made or written authorization is given to proceed.

3.2 Substrate Preparation: The substrate that comes in direct contact with the aluminum framing of the skylight shall be prepared to prevent any galvanic or corrosive action that takes place during contact of dissimilar materials.

3.3 Installation: Skylights shall be installed in strict compliance with manufacturers drawing and instructions. Deviations from these drawing and instructions are only authorized with written instruction from the architect.

3.4 Installation of the skylight shall be coordinated with other elements of work on the roof to allow for proper installation of each element related to waterproofing the installation.

3.5 Sealants shall not be applied to aluminum if temperatures are below 32 degrees F.

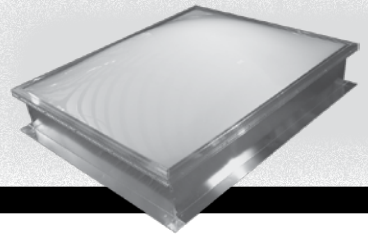
3.6 Protection: Protection of skylights during construction shall be the responsibility of the general contractor or project manager.

3.7 Cleaning:

1) Installer shall remove all protective coverings from domes and frames, remove any sealant on the exterior of the skylight.

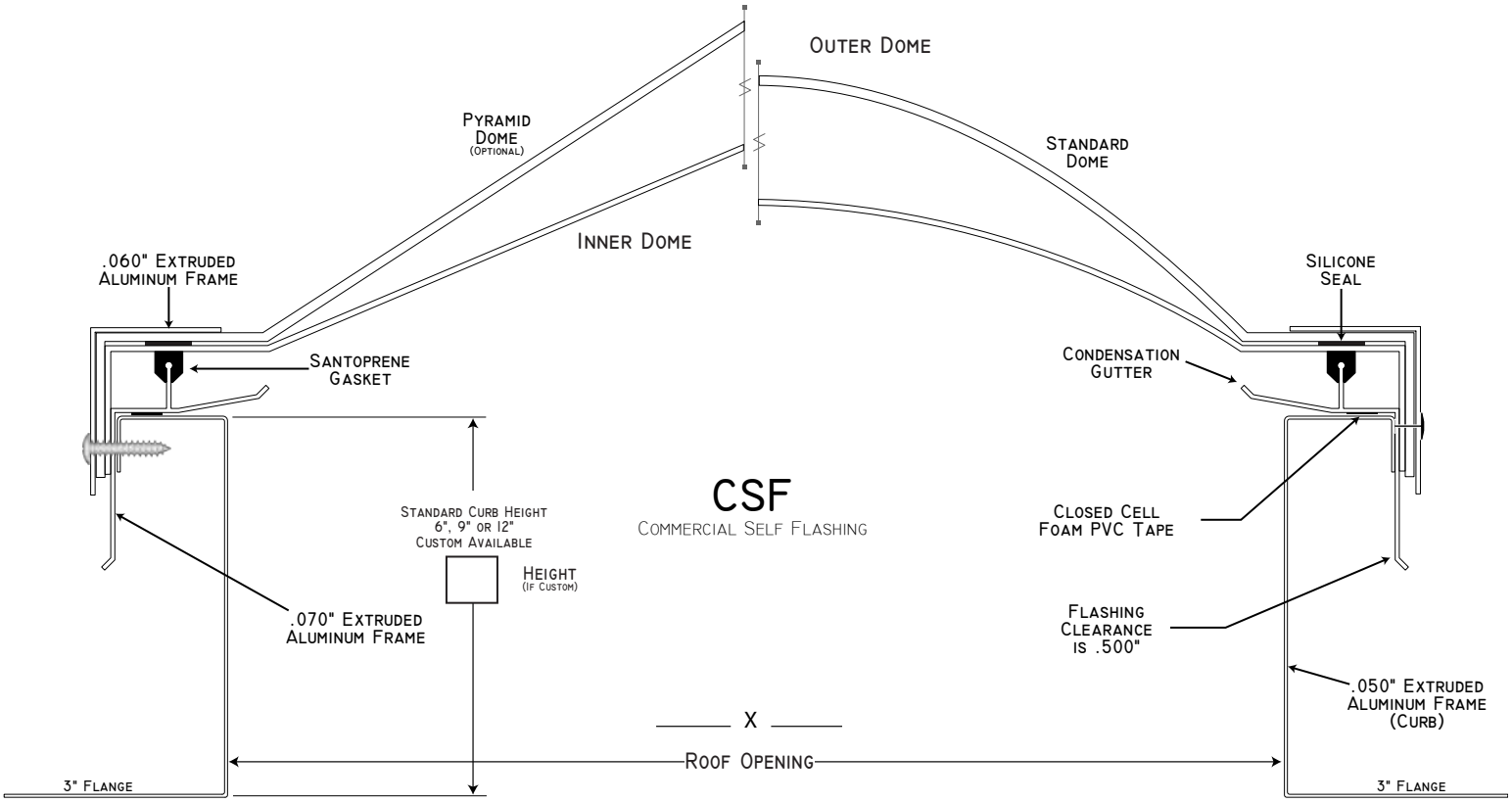
2) Final cleaning shall be completed in accordance with manufacturers' instructions.

END OF SECTION



Commercial Product Data Sheet

PROFILE



SPECIFICATIONS

Skylights shall be Sun-Tek model CSF manufactured by Sun-Tek Manufacturing, 10303 General Drive, Orlando, FL. 32824

Aluminum retaining angle shall be fabricated from 6063-T5 aluminum with a minimum thickness of .060 inch. All corners shall be miter cut and welded using the TIG welding process.

Extruded aluminum inner frame with integral condensation gutter. Extruded aluminum inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process Extruded aluminum inner frame with integral condensation gutter separated from glazing by santoprene gasket. Inner frame shall have weep holes for drainage to the exterior. Curb fabricated from 5052H32 sheet aluminum of .050 thickness.

Polycarbonate monolithic, formable, transparent or translucent sheets with good weather resistance and excellent impact resistance. Single dome application, outer dome .118 minimum thickness unless otherwise specified by architect. Double dome application, outer dome .118 thickness unless otherwise specified by architect. Inner dome of .080 minimum thickness. Single and double dome applications, the domes shall extend, vertically downward, over the exterior side of the inner frame to a minimum of one (1) inch. Outer and inner dome shall be sealed together with silicone.

Outer and inner dome meet the following:

- ASTM D 635
- ASTM D 638
- ASTM D 1929
- ASTM E 84
- ASTM G 26

Sun-Tek Manufacturing • 10303 General Drive • Orlando, Florida 32824
ph: 800.334.5854 • fx: 800.331.6607 • web: www.Sun-Tek.com • eMail: CustomerService@Sun-Tek.com

SPECIFICATIONS (CON'T)

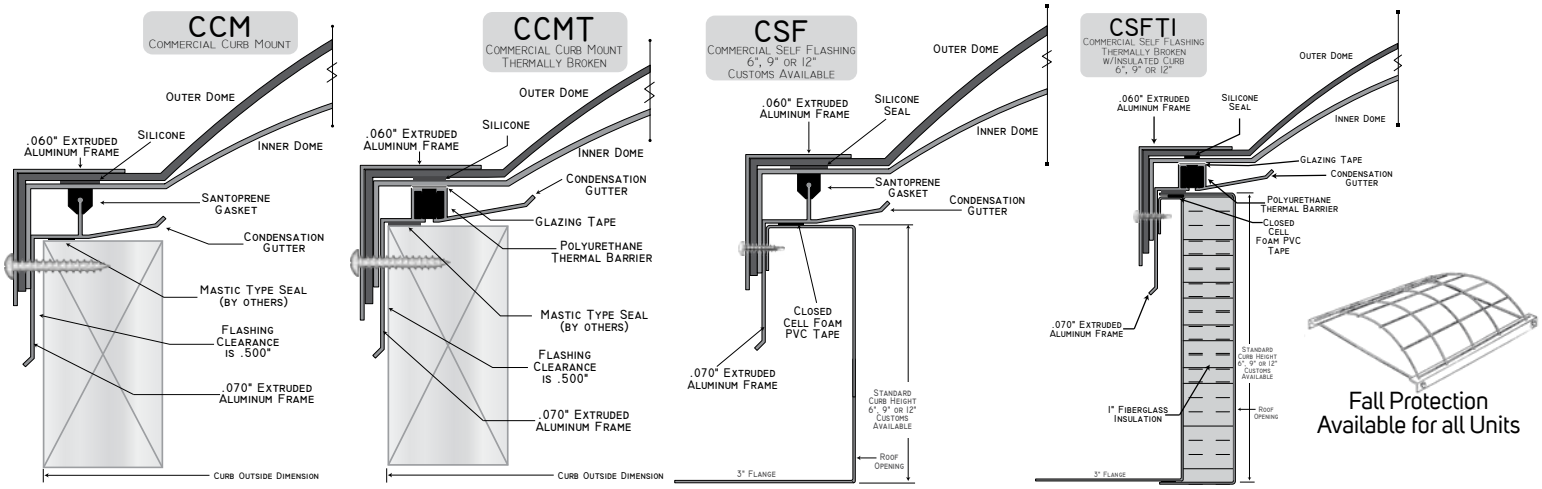
The Exterior aluminum extruded retaining angle, outer dome, and inner dome (in double dome applications) and extruded aluminum inner frame, for both CCM and CCMT shall be fastened together by 0.1875 diameter aluminum rivets with stainless steel washer. All fasteners used for securing the skylight to the structure shall be provided by others.

CSF shall be tested to AAMA/WDMA/CSA 101/I.S.2/A440-08, NAFS North American Fenestration Standard/Specification for windows, doors and skylights. Includes: ASTM E283-04, ASTM E547-00 and ASTM E330-02. Standard and custom sizes up to 40100 (ID 49.1875 x 118.5) achieved +/- 40 psf design pressure. The Primary Product Designator is Class CW-PG40 1291 x 3045 mm (50.8125 x 119.875)-SKP/RW.

PLASTIC SKYLIGHT ASSEMBLIES

- Factory assembled self-flashed unit skylight consisting polycarbonate glazing with extruded aluminum outer and inner frames attached to curb with integral 3 inch flange, unless specified differently.
- CSF (commercial self-flashed) and CSFP (commercial self-flashed pyramid)
- Curbs height shall be 6", 9" or 12" unless otherwise specified.
- All unit skylights to be factory assembled and factory glazed.
- All units shall have integral condensation gutters that drain to the exterior.
- Size: See schedule.
- Polycarbonate outer dome minimum 0.118 thickness. Inner dome polycarbonate dome minimum 0.080 thickness.
- Outer and inner domes; Transparent Bronze, Clear, translucent White or other specified by architect.

AVAILABLE OPTIONS



SECTION 08620 UNIT SKYLIGHTS

Commercial Self Flash (CSF), Commercial Self Flash Pyramid (CSFP)

PART 1: GENERAL

1.1 Related Documents

A) Specifications and drawings necessary for the complete application of Polycarbonate glazed CSF and CSFP unit skylights and related aspects of installation.

B) Work included is limited to Factory built self-flashed unit skylights, to be installed by others.

1.2 Referenced Standards

A) ASTM D 635: Standard Test Method for Rate of Burning and/or Extent and Times of Burning of Plastics in a Horizontal Position.

B) ASTM D 638-D: Standard Test Method for Tensile Properties of Plastics

C) ASTM D 1929: Standard Test Method for Determining Ignition Temperature of Plastics.

D) ASTM E 84: Standard Test Method for Surface Burning.

E) ASTM G 26: Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) with and without Water for Exposure of Nonmetallic Materials.

F) AAMA/WDMA/CSA 101/I.S.2/A440-08

G) ASTM E283-04

H) ASTM E547-00

I) ASTM E330-02

1.3 Performance

A) Provide unit skylight capable of withstanding structural requirements without failure. Failure includes the following:

1) Thermal stress transferred to glazing from the framing members.

2) Loosening of fasteners and attachments.

3) Sealant failure of the skylight.

B) Standard and custom sizes up to 40100 (ID 49.1875 x 118.5) achieved +/- 40 psf design pressure.

C) The Primary Product Designator is Class CW-PG40 1291 x 3045 mm (50.8125 x 119.875)-SKP/RW.

1.4 Submittals

A) Submit copies of standard manufacturer's approval sheet for architect review and approval.

1.5 Warranty

A) General: The warranties expressed in this section cover the skylights provided by Sun-Tek Mfg. only.

B) Skylight warranty: Provide written warranty against material and workmanship defects. Defect is defined as uncontrolled water leakage or abnormal aging and deterioration for a period of five (5) years from the date of installation.

PART 2: PRODUCTS

2.1 Manufactures

A) Manufacturers: Shall be subject to compliance with requirements; provide products by the following or approved substitute.

1) Sun-Tek Manufacturing, Inc. 10303 General Dr Orlando, Fl 32824

B) Substitutions: Manufacturers shall not be considered without prior approval, in writing, no later than ten (10) calendar days before bid. Substitute manufactures must have a minimum fifteen (15) years' experience in the design and manufacture of skylights, must have similar complexity of projects completed within the past five (5) years and must submit specifications and drawings for Architect review.

2.2 Materials

A) Extruded aluminum retaining angle.

1) Aluminum retaining angle shall be fabricated from 6063-T5 aluminum with a minimum thickness of .060 inch. All corners shall be miter cut and welded using the TIG welding process.

B) Aluminum inner frame.

1) Extruded aluminum inner frame with integral condensation gutter. Extruded aluminum inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process.

2) Extruded aluminum inner frame with integral condensation gutter separated from glazing by santoprene gasket. Inner frame shall have weep holes for drainage to the exterior.

3) Curb fabricated from 5052H32 sheet aluminum of .050 thickness.

C) Plastic Sheet

1) Polycarbonate monolithic, formable, transparent or translucent sheets with good weather resistance and excellent impact resistance.

2) Single dome application, outer dome .118 minimum thickness unless otherwise specified by architect.

3) Double dome application, outer dome .118 thickness unless otherwise specified by architect. Inner dome of .080 minimum thickness.

4) Single and double dome applications, the domes shall extend, vertically downward, over the exterior side of the inner frame to a minimum of one (1)

inch.

5) Outer and inner dome shall be sealed together with silicone.

6) Outer and inner dome meet the following:

i) ASTM D 635

ii) ASTM D 638

iii) ASTM D 1929

iv) ASTM E 84

v) ASTM G 26

D) Fasteners

1) The Exterior aluminum extruded retaining angle, outer dome, and inner dome (in double dome applications) and extruded aluminum inner frame, for both CSF and CSFP shall be fastened together by 0.1875 diameter aluminum rivets with aluminum washer. The dome and both external and interior ring shall be attached to the curb using zinc electroplated #10 x 1 ¼ inch Tek point screw. All fasteners used for securing the skylight to the structure shall be provided by others.

2.3 Plastic Skylight Assemblies

A) General: Factory assembled self-flashed unit skylight consisting polycarbonate glazing with extruded aluminum outer and inner frames attached to curb with integral 3 inch flange, unless specified differently.

B) Products: CSF (commercial self-flashed) and CSFP (commercial self-flashed pyramid)

C) Curbs height shall be 6", 9" or 12" unless otherwise specified.

D) All unit skylights to be factory assembled and factory glazed.

E) Condensation control: All units shall have integral condensation gutters that drain to the exterior.

F) Size: See schedule.

G) Glazing: Polycarbonate outer dome minimum 0.118 thickness. Inner dome polycarbonate dome minimum 0.080 thickness.

H) Tint: Outer and inner domes; Transparent Bronze, Clear, translucent White or other specified by architect.

I) Curbs: Made by others.

2.4 Aluminum Finishes

A) Mill Finish: Standard Mill finish unless specified.

PART 3: INSTALLATION

3.1 Site Inspection: The installation opening shall be verified to the drawing, with the installer present. Installation work shall not proceed until corrections have been made or written authorization is given to proceed.

3.2 Substrate preparation: The substrate that comes in direct contact with the aluminum framing of the skylight shall be prepared to prevent any galvanic or corrosive action that takes place during contact of dissimilar materials.

3.3 Installation: Skylights shall be installed in strict compliance with manufactures drawing and instructions. Deviations from these drawing and instructions are only authorized with written instruction from the architect.

3.4 Installation of the skylight shall be coordinated with other elements of work on the roof to allow for proper installation of each element related to waterproofing the installation.

3.5 Sealants shall not be applied to aluminum if temperatures are below 32 degrees F.

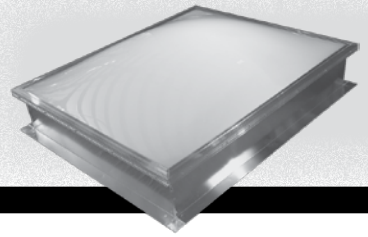
3.6 Protection: Protection of skylights during construction shall be the responsibility of the general contractor or project manager.

3.7 Cleaning:

A) Installer shall remove all protective coverings from domes and frames, remove any sealant on the exterior of the skylight.

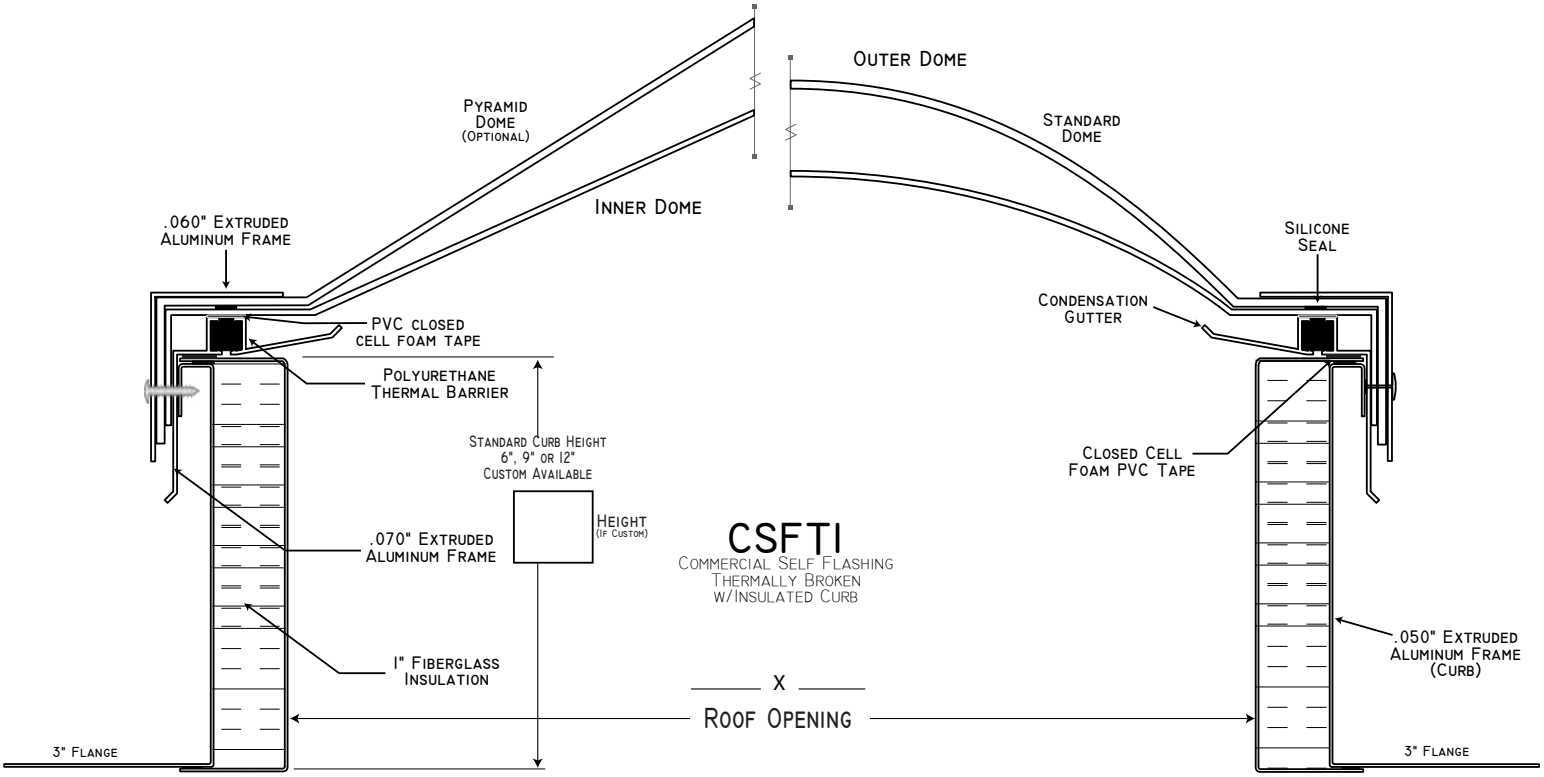
B) Final cleaning shall be completed in accordance with manufactures instructions.

END OF SECTION



Commercial Product Data Sheet

PROFILE



SPECIFICATIONS

Skylights shall be Sun-Tek model CSFTI manufactured by Sun-Tek Manufacturing, 10303 General Drive, Orlando, FL. 32824

Aluminum retaining angle shall be fabricated from 6063-T5 aluminum with a minimum thickness of .060 inch. All corners shall be miter cut and welded using the TIG welding process.

CSFTI extruded aluminum inner frame with polyurethane thermal break and integral condensation gutter. Extruded aluminum inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process. CSFTI extruded aluminum inner frame with integral condensation gutter separated from glazing by closed cell PVC foam tape. Inner frame shall have weep holes for drainage to the exterior.

Polycarbonate monolithic, formable, transparent or translucent sheets with good weather resistance and excellent impact resistance. Single dome application, outer dome .118 minimum thickness unless otherwise specified by architect. Double dome application, outer dome .118 thickness unless otherwise specified by architect. Inner dome .080 minimum thickness. Single and double dome applications, the domes shall extend, vertically downward, over the exterior side of the inner frame to a minimum of one (1) inch. Outer and inner dome shall be sealed together with silicone.

Outer and inner dome meet the following:

- ASTM D 635
- ASTM D 638
- ASTM D 1929
- ASTM E 84
- ASTM G 26

SPECIFICATIONS (CON'T)

The Exterior aluminum extruded retaining angle, outer dome, and inner dome (in double dome applications) and extruded aluminum inner frame, for both CCM and CCMT shall be fastened together by 0.1875 diameter aluminum rivets with aluminum washer. All fasteners used for securing the skylight to the structure shall be provided by others.

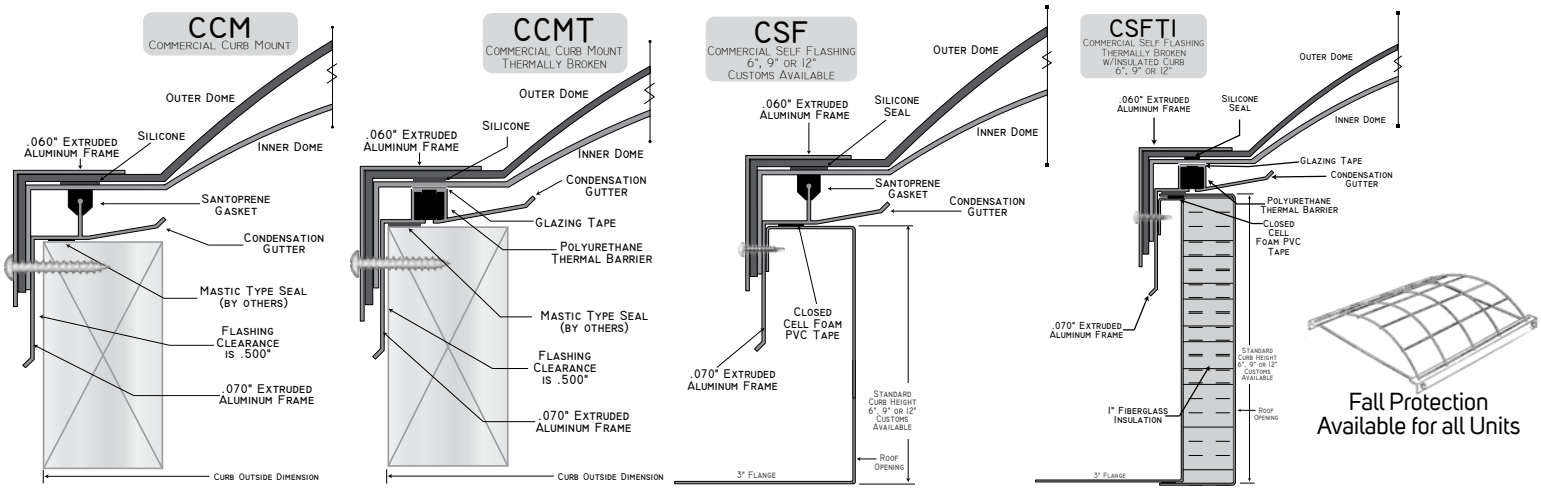
CFSTI shall be tested to AAMA/WDMA/CSA 101/I.S.2/A440-08, NAFS North American Fenestration Standard/Specification for windows, doors and skylights. Includes: ASTM E283-04, ASTM E547-00 and ASTM E330-02. Standard and custom sizes up to 40100 (ID 49.1875 x 118.5) achieved +/- 40 psf design pressure. The Primary Product Designator is Class CW-PG40 1291 x 3045 mm (50.8125 x 119.875)-SKP/RW.

PLASTIC SKYLIGHT ASSEMBLIES

- Factory assembled curb mounted unit skylight consisting polycarbonate glazing attached to outer and inner extruded frames made from 6063-T5 aluminum.
- All unit skylights to be factory assembled and factory glazed.
- All units shall have integral condensation gutters that drain to the exterior.
- Size: See schedule.
- Polycarbonate outer dome minimum 0.118 thickness. Inner dome polycarbonate dome minimum 0.080 thickness. Outer and inner domes; Transparent Bronze, Clear, translucent White or other specified by architect..

CSFTI
Commercial Self Flashing
Themally Broken
& Insulated

AVAILABLE OPTIONS



SECTION 08620 UNIT SKYLIGHTS

Commercial Self Flash Insulated Thermal (CSFTI), Commercial Self Flash Insulated Thermal Pyramid (CSFTIP)

PART 1: GENERAL

1.1 Related Documents

A) Specifications and drawings necessary for the complete application of Polycarbonate glazed CFSTI and CFSTIP unit skylights and related aspects of installation.

B) Work included is limited to Factory built self-flashed unit skylights, to be installed by others.

1.2 Referenced Standards

A) ASTM D 635: Standard Test Method for Rate of Burning and/or Extent and Times of Burning of Plastics in a Horizontal Position.

B) ASTM D 638-D: Standard Test Method for Tensile Properties of Plastics

C) ASTM D 1929: Standard Test Method for Determining Ignition Temperature of Plastics.

D) ASTM E 84: Standard Test Method for Surface Burning.

E) ASTM G 26: Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) with and without Water for Exposure of Nonmetallic Materials.

F) AAMA/WDMA/CSA 101/I.S.2/A440-08

G) ASTM E283-04

H) ASTM E547-00

I) ASTM E330-02

1.3 Performance

A) Provide unit skylight capable of withstanding structural requirements without failure. Failure includes the following:

1) Thermal stress transferred to glazing from the framing members.

2) Loosening of fasteners and attachments.

3) Sealant failure of the skylight.

B) Standard and custom sizes up to 40100 (ID 49.1875 x 118.5) achieved +/- 40 psf design pressure.

C) The Primary Product Designator is Class CW-PG40 1291 x 3045 mm (50.8125 x 119.875)-SKP/RW.

1.4 Submittals

A) Submit copies of standard manufacturer's approval sheet for architect review and approval.

1.5 Warranty

A) General: The warranties expressed in this section cover the skylights provided by Sun-Tek Mfg. only.

B) Skylight warranty: Provide written warranty against material and workmanship defects. Defect is defined as uncontrolled water leakage or abnormal aging and deterioration for a period of five (5) years from the date of installation.

PART 2: PRODUCTS

2.1 Manufacturers

A) Manufacturers: Shall be subject to compliance with requirements; provide products by the following or approved substitute.

1) Sun-Tek Manufacturing, Inc. 10303 General Dr Orlando, Fl 32824

B) Substitutions: Manufacturers shall not be considered without prior approval, in writing, no later than ten (10) calendar days before bid. Substitute manufacturers must have a minimum fifteen (15) years' experience in the design and manufacture of skylights, must have similar complexity of projects completed within the past five (5) years and must submit specifications and drawings for Architect review.

2.2 Materials

A) Extruded aluminum retaining angle.

1) Aluminum retaining angle shall be fabricated from 6063-T5 aluminum with a minimum thickness of .060 inch. All corners shall be miter cut and welded using the TIG welding process.

B) Aluminum inner frame.

1) Extruded aluminum thermally broken inner frame with integral condensation gutter. Inner frame shall have a polyurethane break to reduce condensation and thermal transfer to the interior. Extruded aluminum inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process.

2) Extruded aluminum inner frame with integral condensation gutter separated from glazing by closed cell PVC tape. Inner frame shall have weep holes for drainage to the exterior.

3) Curb shall be fabricated from 5052H32 sheet aluminum of .050 thickness exterior and .030 thick 5052H32 sheet aluminum inner curb. Curb to be insulated with 1 inch fiberglass insulation. Thermal barrier provide top and bottom of interior curb.

4) Double sided VHB (very high bond) tape.

C) Plastic Sheet

1) Polycarbonate monolithic, formable, transparent or translucent sheets with good weather resistance and excellent impact resistance.

2) Single dome application, outer dome .118 minimum thickness unless otherwise

specified by architect.

3) Double dome application, outer dome .118 thickness unless otherwise specified by architect. Inner dome of .080 minimum thickness.

4) Single and double dome applications, the domes shall extend, vertically downward, over the exterior side of the inner frame to a minimum of one (1) inch.

5) Outer and inner dome shall be sealed together with silicone.

6) Outer and inner dome meet the following:

   i) ASTM D 635

   ii) ASTM D 638

   iii) ASTM D 1929

   iv) ASTM E 84

   v) ASTM G 26

D) Fasteners

1) The Exterior aluminum extruded retaining angle, outer dome, and inner dome (in double dome applications) and extruded aluminum inner frame, for both CSF and CSFP shall be fastened together by 0.1875 diameter aluminum rivets with aluminum washer. The dome and both external and interior ring shall be attached to the curb using zinc electroplated #10 x 1 ¼ inch Tek point screw. All fasteners used for securing the skylight to the structure shall be provided by others.

2.3 Plastic Skylight Assemblies

A) General: Factory assembled self-flashed unit skylight consisting of polycarbonate glazing with extruded aluminum outer and inner frames attached to curb with integral 3 inch flange, unless specified differently.

B) Products: CSFI(commercial self-flashed Insulated) and CSFIP (commercial self-flashed Insulated pyramid)

C) Curbs height shall be 6", 9" or 12" unless otherwise specified.

D) All unit skylights to be factory assembled and factory glazed.

E) Condensation control: All units shall have integral condensation gutters that drain to the exterior.

F) Size: See schedule.

G) Glazing: Polycarbonate outer dome minimum 0.118 thickness. Inner dome polycarbonate dome minimum 0.080 thickness. All glazing shall be separated from the frame by PVC closed cell foam.

H) Tint: Outer and inner domes; Transparent Bronze, Clear, translucent White or other specified by architect.

2.4 Aluminum Finishes

A) Mill Finish: Standard Mill finish unless specified.

PART 3: PART 3 INSTALLATION

3.1 Site Inspection: The installation opening shall be verified to the drawing, with the installer present. Installation work shall not proceed until corrections have been made or written authorization is given to proceed.

3.2 Substrate preparation: The substrate that comes in direct contact with the aluminum framing of the skylight shall be prepared to prevent any galvanic or corrosive action that takes place during contact of dissimilar materials.

3.3 Installation: Skylights shall be installed in strict compliance with manufacturer's drawings and instructions. Deviations from these drawings and instructions are only authorized with written instruction from the architect.

3.4 Installation of the skylight shall be coordinated with other elements of work on the roof to allow for proper installation of each element related to waterproofing the installation.

3.5 Sealants shall not be applied to aluminum if temperatures are below 32 degrees F.

3.6 Protection: Protection of skylights during construction shall be the responsibility of the general contractor or project manager.

3.7 Cleaning:

A) Installer shall remove all protective coverings from domes and frames, remove any sealant on the exterior of the skylight.

B) Final cleaning shall be completed in accordance with manufacturer's instructions.

END OF SECTION

SECTION 08620 UNIT SKYLIGHTS

Commercial Self Flash Insulated (CSFI), Commercial Self Flash Insulated Pyramid (CSFIP)

PART 1: GENERAL

1.1 Related Documents

A) Specifications and drawings necessary for the complete application of Polycarbonate glazed CSFI and CSFIP unit skylights and related aspects of installation.

B) Work included is limited to Factory built self-flashed unit skylights, to be installed by others.

1.2 Referenced Standards

A) ASTM D 635: Standard Test Method for Rate of Burning and/or Extent and Times of Burning of Plastics in a Horizontal Position.

B) ASTM D 638-D: Standard Test Method for Tensile Properties of Plastics

C) ASTM D 1929: Standard Test Method for Determining Ignition Temperature of Plastics.

D) ASTM E 84: Standard Test Method for Surface Burning.

E) ASTM G 26: Practice for Operating Light-Exposure Apparatus (Xenon-Arc Type) with and without Water for Exposure of Nonmetallic Materials.

F) AAMA/WDMA/CSA 101/I.S.2/A440-08

G) ASTM E283-04

H) ASTM E547-00

I) ASTM E330-02

1.3 Performance

A) Provide unit skylight capable of withstanding structural requirements without failure. Failure includes the following:

1) Thermal stress transferred to glazing from the framing members.

2) Loosening of fasteners and attachments.

3) Sealant failure of the skylight.

B) Standard and custom sizes up to 40100 (ID 49.1875 x 118.5) achieved +/- 40 psf design pressure.

C) The Primary Product Designator is Class CW-PG40 1291 x 3045 mm (50.8125 x 119.875)-SKP/RW.

1)

1.4 Submittals

A) Submit copies of standard manufacturer's approval sheet for architect review and

approval.

1.5 Warranty

A) General: The warranties expressed in this section cover the skylights provided by Sun-Tek Mfg. only.

B) Skylight warranty: Provide written warranty against material and workmanship defects. Defect is defined as uncontrolled water leakage or abnormal aging and deterioration for a period of five (5) years from the date of installation.

PART 2: PRODUCTS

2.1 Manufacturers

A) Manufacturers: Shall be subject to compliance with requirements; provide products by the following or approved substitute.

1) Sun-Tek Manufacturing, Inc. 10303 General Dr Orlando, Fl 32824

B) Substitutions: Manufacturers shall not be considered without prior approval, in writing, no later than ten (10) calendar days before bid. Substitute manufacturers must have a minimum fifteen (15) years' experience in the design and manufacture of skylights, must have similar complexity of projects completed within the past five (5) years and must submit specifications and drawings for Architect review.

2.2 Materials

A) Extruded aluminum retaining angle.

1) Aluminum retaining angle shall be fabricated from 6063-T5 aluminum with a minimum thickness of .060 inch. All corners shall be miter cut and welded using the TIG welding process.

B) Aluminum inner frame.

1) Extruded aluminum inner frame with integral condensation gutter. Extruded aluminum inner frame shall be fabricated from 6063-T5 aluminum with a minimum thickness of .070 inch. All corners shall be miter cut and welded using the TIG welding process.

2) Extruded aluminum inner frame with integral condensation gutter separated from glazing by santoprene gasket. Inner frame shall have weep holes for drainage to the exterior.

3) Curb shall be fabricated from 5052H32 sheet aluminum of .050 thickness exterior and .030 thick 5052H32 sheet aluminum inner curb. Curb to be insulated with 1 inch fiberglass insulation. Thermal barrier provide top and bottom of interior curb.

4) Double sided VHB (very high bond) tape.

C) Plastic Sheet

1) Polycarbonate monolithic, formable, transparent or translucent sheets with good weather resistance and excellent impact resistance.

2) Single dome application, outer dome .118 minimum thickness unless otherwise specified by architect.

3) Double dome application, outer dome .118 thickness unless otherwise specified by architect. Inner dome of .080 minimum thickness.

4) Single and double dome applications, the domes shall extend, vertically downward, over the exterior side of the inner frame to a minimum of one (1) inch.

5) Outer and inner dome shall be sealed together with silicone.

6) Outer and inner dome meet the following:

i) ASTM D 635

ii) ASTM D 638

iii) ASTM D 1929

iv) ASTM E 84

v) ASTM G 26

D) Fasteners

1) The Exterior aluminum extruded retaining angle, outer dome, and inner dome (in double dome applications) and extruded aluminum inner frame, for both CSF and CSFP shall be fastened together by 0.1875 diameter aluminum rivets with aluminum washer. The dome and both external and interior ring shall be attached to the curb using zinc electroplated #10 x 1 ¼ inch Tek point screw. All fasteners used for securing the skylight to the structure shall be provided by others.

2.3 Plastic Skylight Assemblies

A) General: Factory assembled self-flashed unit skylight consisting of polycarbonate glazing with extruded aluminum outer and inner frames attached to curb with integral 3 inch flange, unless specified differently.

B) Products: CSFI(commercial self-flashed Insulated) and CSFIP (commercial self-flashed Insulated pyramid)

C) Curbs height shall be 6", 9" or 12" unless otherwise specified.

D) All unit skylights to be factory assembled and factory glazed.

E) Condensation control: All units shall have integral condensation gutters that drain to the exterior.

F) Size: See schedule.

G) Glazing: Polycarbonate outer dome minimum 0.118 thickness. Inner dome polycarbonate dome minimum 0.080 thickness. All glazing shall be separated from the frame by PVC closed cell foam.

H) Tint: Outer and inner domes; Transparent Bronze, Clear, Translucent White or other specified by architect.

2.4 Aluminum Finishes

A) Mill Finish: Standard Mill finish unless specified.

PART 3: INSTALLATION

3.1 Site Inspection: The installation opening shall be verified to the drawing, with the installer present. Installation work shall not proceed until corrections have been made or written authorization is given to proceed.

3.2 Substrate preparation: The substrate that comes in direct contact with the aluminum framing of the skylight shall be prepared to prevent any galvanic or corrosive action that takes place during contact of dissimilar materials.

3.3 Installation: Skylights shall be installed in strict compliance with manufacturer's drawings and instructions. Deviations from these drawings and instructions are only authorized with written instruction from the architect.

3.4 Installation of the skylight shall be coordinated with other elements of work on the roof to allow for proper installation of each element related to waterproofing the installation.

3.5 Sealants shall not be applied to aluminum if temperatures are below 32° degrees F.

3.6 Protection: Protection of skylights during construction shall be the responsibility of the general contractor or project manager.

3.7 Cleaning:

A) Installer shall remove all protective coverings from domes and frames, remove any sealant on the exterior of the skylight.

B) Final cleaning shall be completed in accordance with manufacturer's instructions.

END OF SECTION

FALL PROTECTION SCREEN

Description

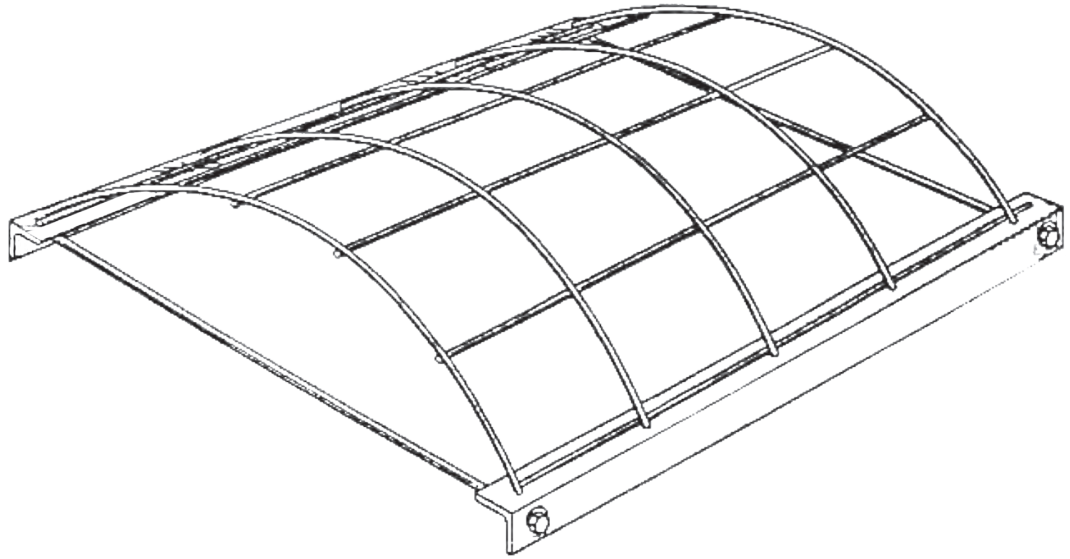
Skylight fall protection shall be manufactured from not less that .1875 (3/16") diameter steel galvanized wire. The openings in the wire shall not exceed 4" x 4". The screen shall be attached to a steel frame made of .1875 (3/16") steel angle using the MIG welding process. The screen shall be welded at each vertical intersection between the frame and the mesh. The frame assembly shall be attached to the skylight using a compression fit held in place by two (2) 3/8" diameter threaded steel rods.

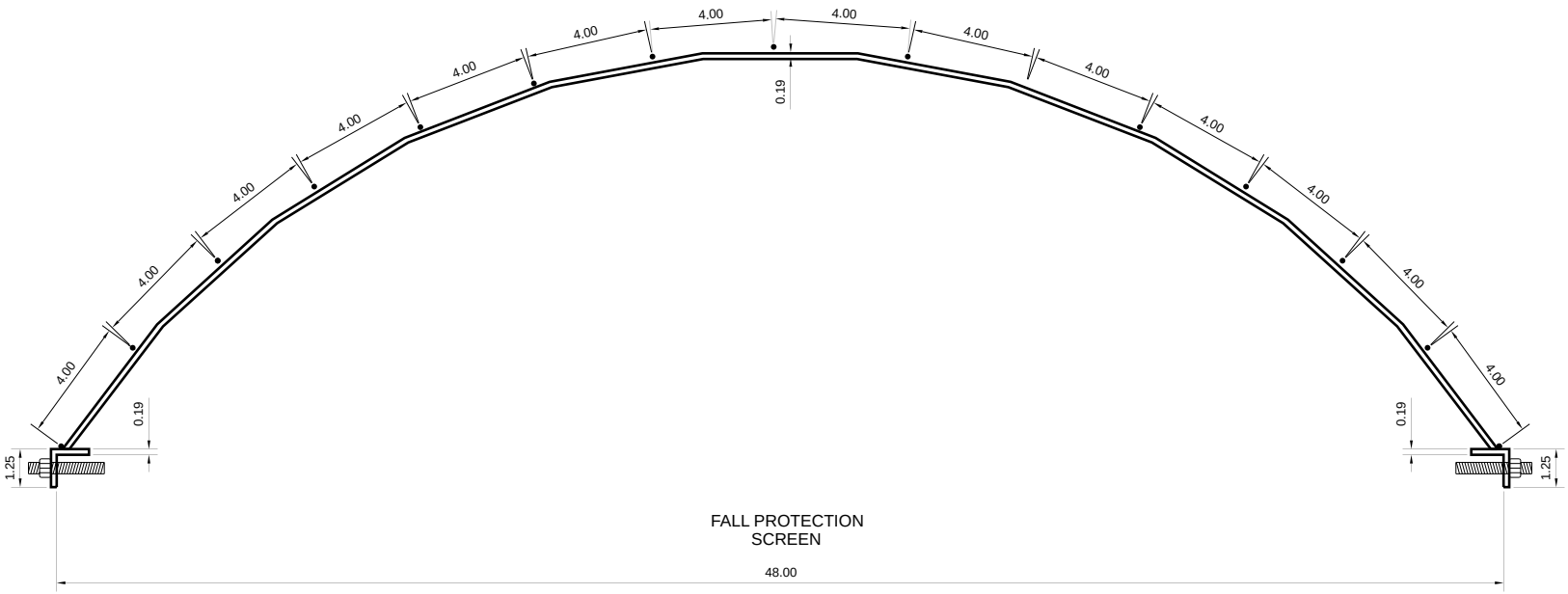
The Fall Protection Screen shall be constructed and installation such that it can withstand a 200 pound load applied perpendicularly at any area screen. Fall Protection Screen designed such that when loaded the skylight under the screen will not break.

Materials

Prefabricated galvanized steel wire screen, 3/16x3/16 steel angle and 3/8 diameter threaded steel rod.

Fall protection Screen designed to comply with OSHA-29CFR parts 1910 and 1926 (specifically 1926.501and .502) Roof Opening Fall Protection.





Sun-Tek Manufacturing, Inc.
10303 General Drive Orlando, Florida 32824
Phone: 800.334.5854 Fax: 800.331.6607
eMail: CustomerService@Sun-Tek.com
web: Sun-Tek.com

Specifications
Fall Protection for Domed Skylights

Product Description
A metal screen system that is attached to the outer frame of curb-mounted commercial skylights to protect against injuries or death from accidental falls through the lens of the skylight. The system has a patented, non-penetrating compression installation that eliminates the use of fasteners and tapes to hold it in place on most installations. This also precludes the possibility of leaks that could be caused by fastening the screen to the skylight frame.

Construction, Materials, Installation
Mounting Frame: two extruded 6005-T6 aluminum rails that rest on the outside frame of the skylight on its long sides

Frame Installation: aluminum frame is connected with two 5/16" cold rolled, zinc plated threaded rods installed on the short sides of the skylight with nylon insert lock nuts and zinc-plated washers. Stainless steel hardware is provided on stainless steel models.

Screen Material: .187 and .250 diameter galvanized carbon steel wire in a 4" X 4" grid

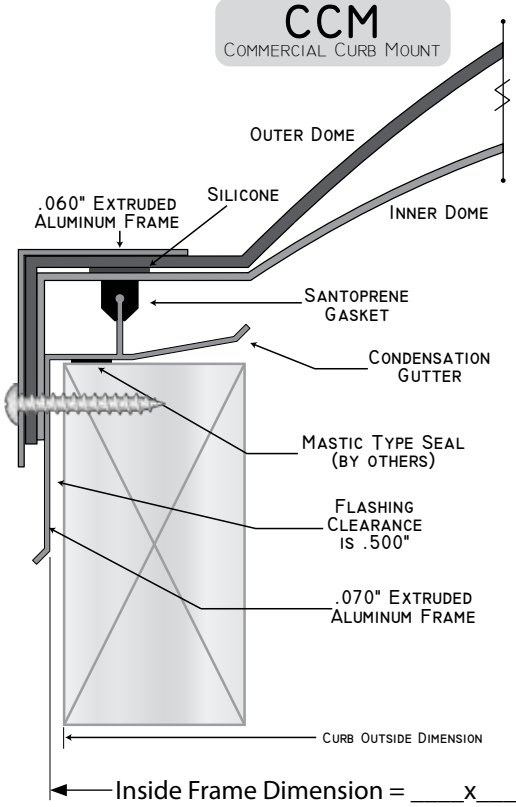
Screen Installation: screens are positioned in the channel of the aluminum frame and then locked into place with 1" aluminum clips attached to the frame using ½" stainless steel hex head screws

Performance
Designed and tested to comply with OSHA General Industry Standard 29 CFR 1910.23 (a)(4) and 29 CFR 1910.23 (e)(8).

Sun-Tek Commercial Quote

Customer Name:		Quote Date:	
Customer Location:		Contact Name:	
Ship-To Street Address:		Phone #	
City:		Fax #	
State:		eMail:	
Zip:		PO#	
Sun-Tek Rep:		Job Name:	

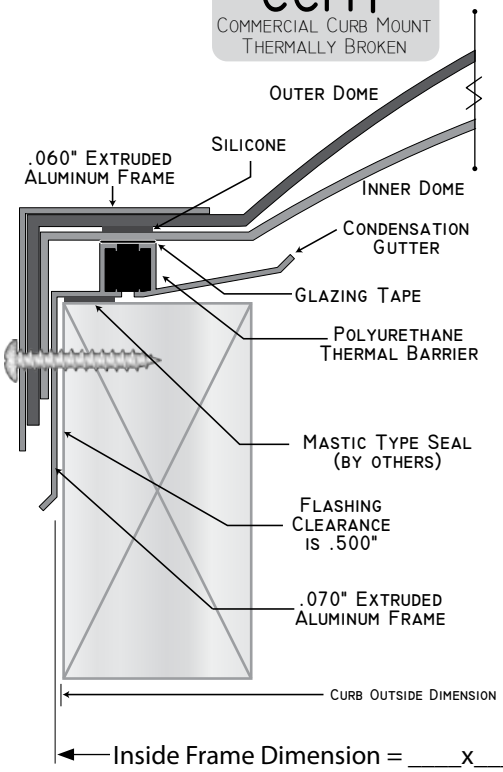
CCM
Commercial Curb Mount



Inside Frame Dimension = ____x____

Select **CCM** ☐

CCMT
Commercial Curb Mount Thermally Broken



Inside Frame Dimension = ____x____

Select **CCMT** ☐

OPTIONS:

Polycarbonate Dome Colors

	Clr	Brz	Wht
Outer Dome	☐	☐	☐
Inner Dome	☐	☐	☐

Curb Outside Dimensions

Width	_____	in.
Length	_____	in.

Frame Finish

- Mill ☐
- Bronze ☐
- White ☐

Dome Style

- Standard ☐
- Pyramid ☐

Fall Protection
(Optional)

Yes	No
☐	☐

ORDER SUMMARY

	Skylights	Fall Protection
Qty		
Price $		
Ext Price $		
Freight		
Order Total		
Lead Time		

Lead Time in Weeks

TO PLACE AN ORDER:

1. Fill in purchase order# above.
2. Sign & date in the space below.
3. Fax form to Sun-Tek Customer Service 800-331-6607 or CustomerService@Sun-Tek.com

Signature: _____ Date: _____

Upon receipt of this signed confirmation order,production of items above will be scheduled. Confirmed orders are non-cancellable, nonrefundable and nonreturnable. The quoted price is valid for 90 days from the date of issue, listed above.

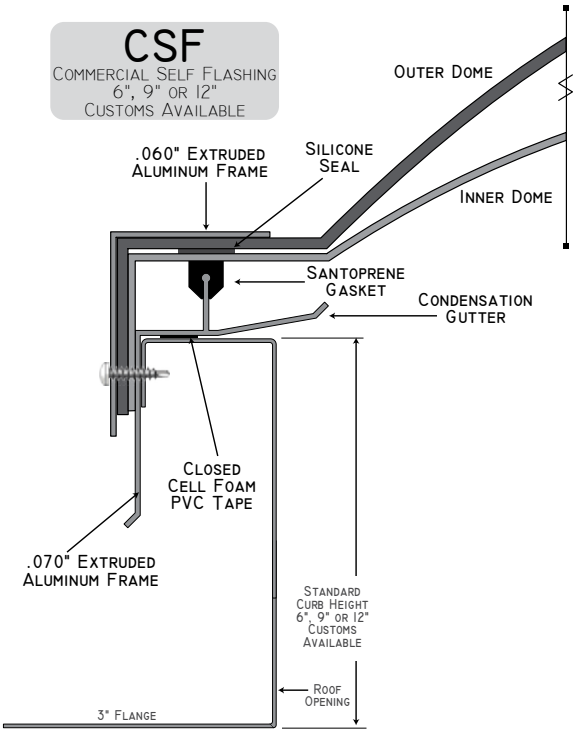
Sun-Tek® COMMERCIAL *Let the Sunshine In!*

Sun-Tek Commercial Quote

Customer Name:		Quote Date:	
Customer Location:		Contact Name:	
Ship-To Street Address:		Phone #	
City:		Fax #	
State:		eMail:	
Zip:		PO#	
Sun-Tek Rep:		Job Name:	

CSF

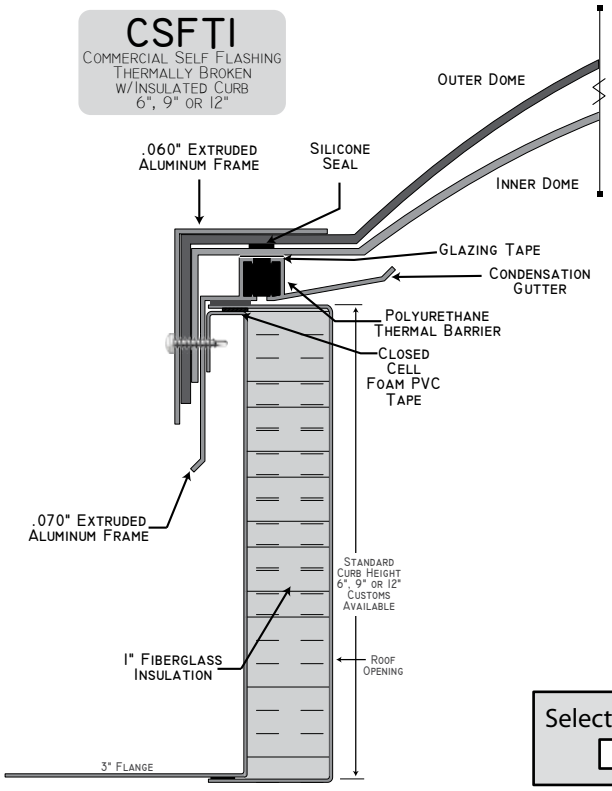
Commercial Self Flashing
6", 9" or 12"
Customs Available



Select **CSF** ☐

CSFTI

Commercial Self Flashing
Thermally Broken
w/Insulated Curb
6", 9" or 12"



Select **CSFTI** ☐

OPTIONS:

Polycarbonate Dome Colors

	Clr	Brz	Wht
Outer Dome	☐	☐	☐
Inner Dome	☐	☐	☐

Curb Height Required

6″	☐
9″	☐
12″	☐
	☐

Roof Opening

Width _____ in.
Length _____ in.

Frame Finish

Mill ☐
Bronze ☐
White ☐

Dome Style

Standard ☐
Pyramid ☐

Fall Protection
(Optional)

Yes ☐ No ☐

ORDER SUMMARY

Skylights		Fall Protection
Qty		
Price $		
Ext Price $		
Freight		
Order Total		
Lead Time		
Lead Time in Weeks		

TO PLACE AN ORDER:

1. Fill in purchase order# above.
2. Sign & date in the space below.
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Sun-Tek COMMERCIAL
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