

# **CITY OF PLAINFIELD**

HISTORIC PRESERVATION COMMISSION PLAINFIELD CITY HALL 515 WATCHUNG AVENUE, ROOM 202 PLAINFIELD, NEW JERSEY 07060 (908) 753-3580 - FAX (908) 753-3070



# CITY OF PLAINFIELD HISTORIC PRESERVATION COMMISSION APPLICATION FOR CERTIFICATION OF APPROPRIATENESS

DATE RECEIVED 5/17/21	APPLICATION # 2021-12
Applicant(s): Name: Plainfield Public Library	
Address: 800 Park Avenue	email: admin@plfdpl.info
Tele. #: (day) 9087572305 (eve)	email: admin@plfdpl.info  ting, do ody @ plfdpl. info  (fax)
Relationship of applicant to property:  Owner(s) [ ]  Prop Under Contract [ ]	Lessee [ ] Other (specify) [x]
Explanation if Other Director, Plainfield	\ 1
OWNER(S), IF DIFFERENT THAN APPLICANT:	
Name:	<del></del>
Address:	email:
Telephone Number: (Day)(E	ve)
Address of the property: 800-850 Park A	
Block: 719 Lot: 1&2 Historic Distri	
Existing use of the property:	
Public Library	
Describe in detail the proposed work to be done at Replacement of existing roof and skylights in preparation for	t the property:

Each application must be accompanied by sketches, drawings, photographs, descriptions or other information sufficient to show the proposed alterations, additions, changes or new construction. The Commission may require the subsequent submission of such additional materials as it reasonably requires to make an informed decision. A submission shall include:

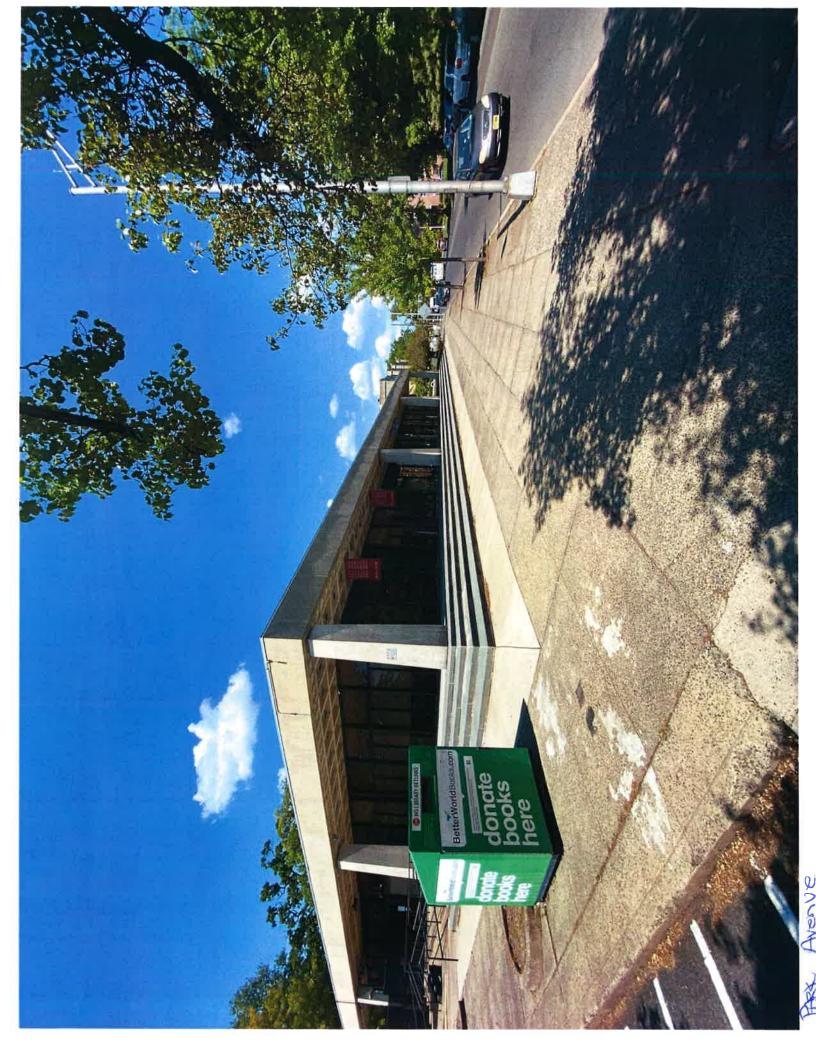
- A photograph of each elevation of the structure.
- Fifteen (15) copies of drawings, photographs, material brochures, samples, specifications or information that may be necessary to assist the Commission.
- Fifteen (15) copies of a survey, or if applicable, a site plan showing the location of new and existing structures on the site and their location with respect to the building line, property lines, and the front of those buildings or structures immediately adjacent to each side of the lot to be built upon.
- Fifteen (15) copies of facade elevation(s), if applicable, of the proposed work in sufficient detail to identify the limits and location of the proposed work, and existing and proposed materials to be used.
- \$70.00 application fee (check or money order made to the City of Plainfield).

By signing this application, I hereby certify that the owner of record authorizes the proposed work and I have been authorized by the owner to make this application as his/her authorized agent. By signing this application the owner hereby grants authorization to the Commission members, and its professional and support staff to enter the property in question for inspection purposes.

Mary Ellen Rogan  N. CN = Mary Ellen Rogan email = me.  rogan@plfdpl.info C = US O = Plainfield Public Library Dale: 2021.05.17 14:01:21-05'00'	Mary Ellen Rogan	5/17/21
Signature of Applicant(s)	(Print Name)	Date
Signature of Owner(s) (if different than applicant)	(Print Name)	Date

Submittal of this application form- properly signed, with the indicated copies of documents and the application fee will constitute a complete application. Upon receipt of a complete application the Board Secretary will schedule the application with the Commission. The applicant delays his/her own application if all of these required items are not submitted. The Commission shall reach a decision on the application within forty-five (45) days of submission of a complete application. The applicant must appear in front of the Commission in order to present the application during the public hearing on the scheduled date.

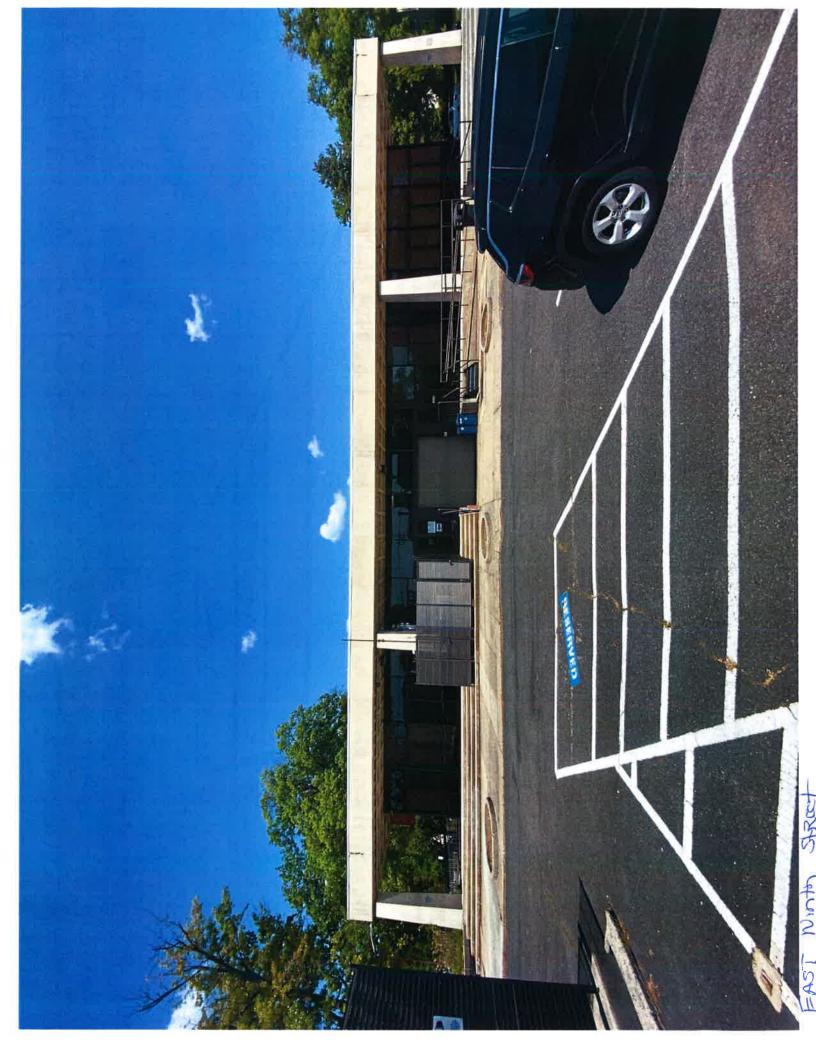
Certificate of Appropriateness application adopted by the Historic Preservation Commission 1/22/13





O Hege





Recommend all skylights be replaced with new. New rooting membrene to be flashed under skylight flanges.

EXISTING ROOF CURBS TO BE REMOVED

PARK AVE.

EXISTING SKYLIGHTS TO BE REPLACED WITH NEW

EXISTING VENT









Roof drain and loose gra

PARKING LOT

ROOF DRAIN

FRONT OF BUILDING



ROOF DRAIN

BE REPLACED WITH NEW

OOF DRAIN

Ş

EXISTING VENT

NEW ROOF ACCESS HATCH EXISTING VENT ROOF DRAIN





ROOF PHOTOS OF EXISTING CONDITIONS

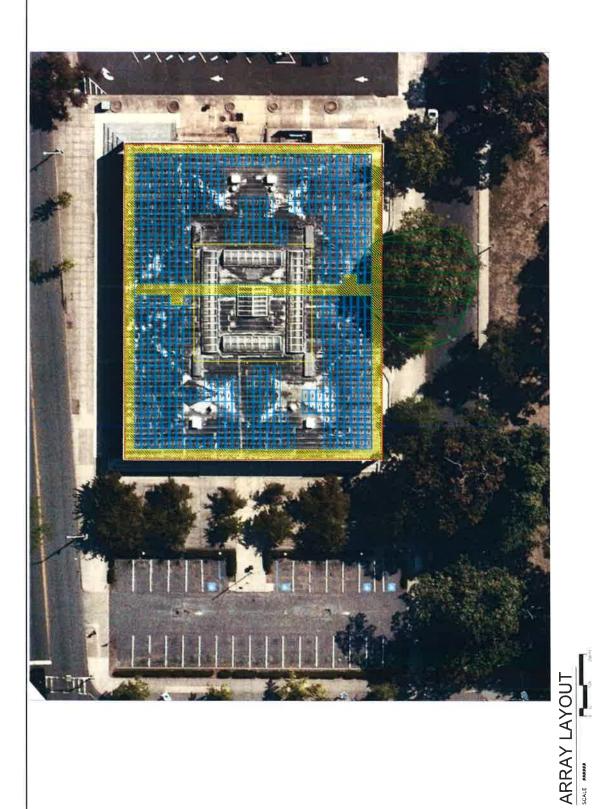


Roof surface overview with large dome skylights. Significant granule loss is evident.



AERIAL VIEW OF EXISTING LIBRARY

COLLEGE PLACE



# CITY OF PLAINFIELD LIBRARY

800 PARK AVE PLAINFIELD, NJ 07060

TOTAL SYSTEM SIZE: 232.63 kW-DC TOTAL MODULES: 541 @ 430 WATTS EACH

AZIMUTH & TILT: 222° & 5° EZNERGY Solutions

# photo: Liam Frederica

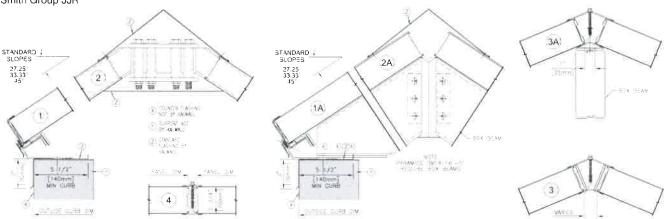
# **Pyramids**

(1)1A OUTSIDE CURB DIMENSION

PYRAMID PLAN VIEW

Paradise Valley Community College | Phoenix, AZ

Smith Group JJR



Standard Pyramids: sizes from 4' x 4' (1219 mm x 1219 mm) to 20' x 20' (6096 mm x 6096 mm) outside curb dimension (0.C.D.) in 1' (305 mm) increments

Standard Sizes O.C.D.		110		Exposed Box Beams	# of Panels per Side	Maximum Horizontal Thrust Load per Side*	
4'-0"	(1219 mm)	Yes	No	No	1	100 lb	(445 N)
5'-0"	(1524 mm)	Yes	No	No	1	160 lb	(712 N)
6'-0"	(1829 mm)	Yes	No	No	1	225 lb	(1001 N)
7'-0"	(2134 mm)	Yes	No	No	1	310 lb	(1379 N)
8'-0"	(2438 mm)	Yes	No	No	1-2***	400 lb	(1779 N)
9'-0"	(2743 mm)	No	Yes	No	2	510 lb	(2269 N)
10'-0"	(3048mm)	No	Yes	No	2	625 lb	(2780 N)
11'-0"	(3353 mm)	No	Yes	No	2	760 lb	(3381 N)
12'-0"	(3658 mm)	No	Yes	No	2	900 lb	(4003 N)
13'-0"	(3962 mm)	No	Yes	No	2-4***	1060 lb	(4715 N)
14'-0"	(4267 mm)	No	Yes	No	4	1225 lb	(5449 N)
15'-0"	(4572 mm)	No	Yes	**	4	1410 lb	(6272 N)
16'-0"	(4877 mm)	No	Yes	**	4	1600 lb	(7117 N)
17'-0"	(5182 mm)	No	Yes	Yes	4	1810 lb	(8051 N)
18'-0"	(5486 mm)	No	Yes	Yes	4	2025 lb	(9008 N)
19'-0"	(5791 mm)	No	Yes	Yes	4	2260 lb	(10053 N)
20'-0"	(6096 mm)	No	Yes	Yes	4	2500 lb	(11121 N

Span designed for 25 PSF (1197 Pa) Wind Load and 40 PSF (1915 Pa) Snow Load.

Please visit KALWALL.COM for all standard skylight specifications, CAD details, BIM families & performance charts online

PROPOSED New SKylight Cut Shoets

<sup>\*</sup>Thrust Loads on each side of curb must be provided for by others. Shoji grid pattern standard: 12" x 24" (300 mm x 600 mm). Standard Pyramids available in 27; 33°& 45° slopes.

<sup>\*\*</sup>May require box beam framing. Required for 15' (4572 mm) > 35 PSF (1676 Pa) Snow Load and 16' (4877 mm) > 25 PSF (1197 Pa) Snow Load

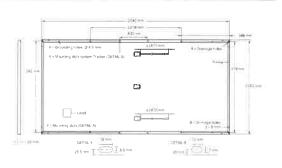


# THE IDEAL SOLUTION FOR:







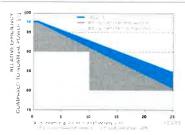


# **ELECTRICAL CHARACTERISTICS**

PO	WER CLASS			405	410	415	420	425
MIN	IIMUM PERFORMANCE AT STANDA	RD TEST CONDITIO	NS STO :PO	WER TOLERANCE	-5W -0W1			
	Power at MPP1	Pyr	[W]	405	410	415	420	425
-	Short Circuit Current <sup>1</sup>	I <sub>9</sub>	[A]	10 65	10 70	10 74	10 79	10 83
3	Open Circuit Voltage <sup>1</sup>	V <sub>oo</sub>	[V]	48 14	48 38	48 63	48 88	49 13
311	Current at MPP	I <sub>MFF</sub>	[A]	10 14	10 18	10 23	10 27	10 32
	Vortage at MPP	VMER	[V]	39 95	40 27	40.58	40.89	41 20
	Efficienc,	η	[%]	≥189	≥191	≥19 4	≥196	≥198
MIN	IIMUM PERFORMANCE AT NORMAI	LOPERATING CON	DITIONS NM	TC				
	Power at MPP	PMer	[W]	303 1	3069	310 6	314.4	318 1
-	Sharr Circuit Current	lig	[A]	8 58	8 62	8 65	8 69	8 73
1	Open Dirouit Voltage	Voc	[V]	45 38	45 62	45 86	46,09	46 33
S	Current at MPP	IMPE	[A]	7.98	8 01	8 05	8.09	8 12
	Voltage at MPP	Vije	[V]	37.99	38 29	38 59	38 88	39 17

 $^{1}\text{Measurement tolerances P}_{\text{VSF}}\pm3\%;\text{L}_{\text{T}};\text{V}_{\text{VS}}\pm5\%\text{ at STC: }1000\text{W/m}^{\text{T}},\text{25}\pm2^{\text{T}}\text{C},\text{AM 1.5 according to IEC }60904\text{-}3} + 800\text{W/m}^{\text{2}},\text{NMOT, spectrum AM 1.5}$ 

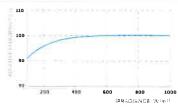
# Q CELLS PERFORMANCE WARRANTY



At least 98% of nominal power during first year. Thereafter max 0.54% degradation per year. At least 93.1% of nominal power up to 10 years. At least 85% of nominal power up to 25 years.

All data within measurement tolerances. Full warranties in accordance with the warranty terms of the Q CELLS sales organisation of your respective country.

# PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison to STC conditions (25 °C, 1000 W/m).

TEMPERATURE COEFFICIENTS							
Temperature Coefficient of L	a	[%/K]	+0.04	Temperature Coefficient of 7	β	[%/K]	-0 27
Temperature Coefficient of P <sub>vis</sub>	٧	[%/K]	-0 36	Nominal Module Operating Temperature	NMOT	LCI	43±3

### PROPERTIES FOR SYSTEM DESIGN

Meximum System Voltage	Vava	[V]	1000 (IEC)/1000 (UL)	PV module classification	Class II
Makimum Raverse Current	ł <sub>s</sub>	[A]	20	Fire Rating based on ANSI / UE 1703	C/TYPE 2
Max Dasign Load, Push/Pull		[Pa]	3600/1600	Parmittad Module Tanipa: atura	-40°C - +85°C
Max Test spad Push / Pull		[Pa]	5400/2400	on Continuous Duty	

# **QUALIFICATIONS AND CERTIFICATES**

# PACKAGING INFORMATION

IEC 61215:2016; IEC 61730:2016; This data sheet complies with DIN EN 50380







Number of Modules dec Pailer	30
Number of Pallets per Trailer (24t)	24
Number of Pallets per 40 HC-Container (26 t)	22
Pallin Dimenalizas 1 + W + Ha	2131 × 1130 × 1200 mm
Pallet Weight	788kg

Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.

### Hanwha Q CELLS GmbH

Sonnenallee 17-21, 06766 Bitterfeld-Wolfen, Germany | TEL +49 (0)3494 66 99-23444 | FAX +49 (0)3494 66 99-23000 | EMAIL sales@q-cells com | WEB www.q-cells com



# GENMOUNTS LT



# BALLASTED SOLAR RACKING SYSTEMS



### OUR FOCUS

Our objective to provide customers with the highest quality solar mounting system at the lowest installed cost.

### COMMITMENT

We are proud to provide products and services to the renewable industry, while restoring this nation's technology and manufacturing jobs.

# RECOMMENDED APPLICATIONS

- Roof-top Installations
- Ground Installations
- Sealed Landfills
- Roofs with minimal load ratings
- Prevailing wage projects



### PRODUCT FFATURES

- 100% universal mounting design; system can fit any commercial grade module without modification.
- Non-penetrating flexible bullasted PV mounting system.
- Designed to withstand wind loads up to 150 mph.
- Simplified assembly that consists of 2 main components and 2 fasteners.
- Top down compression clamps & serrated hardware provide integrated bonding. Arrays grounded at one point, (no clips or copper wire)
- = Total array weight can be low as 3.0 lb/sf at the array.
- 2" conduit hole located on each side of pan.
- All parts can be re-used if the system is moved.

# SYSTEM SPECIFICATIONS

Pan Material | 0.063" thick Aluminum 5052-1132

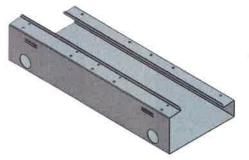
Pan Width: 30" minimum (5" PV tilt).

= Row Spacing: 8.2" (North-South)

# **GENMOUNTS LT**

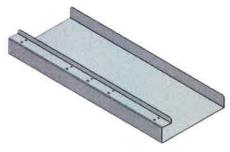


# BALLASTED SOLAR RACKING SYSTEMS









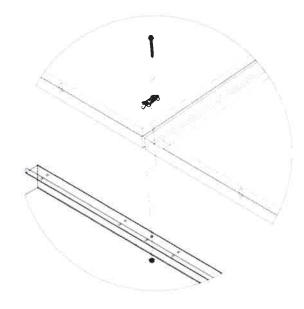
**BALLAST PAN** 

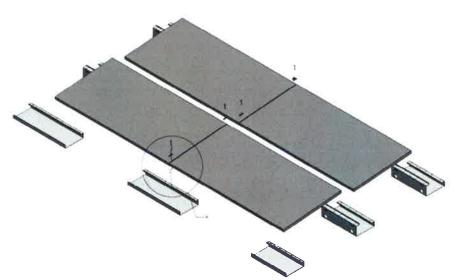
**BONDING MID-CLAMP** 

**BONDING END-CLAMP** 

**END PAN** 

Universal design consists of only 2 major components and top down compression bonding mid & end clamps.











Ballast Information			
Length (inches)	16		
Width (inches)	θ		
Height (inches)	2		
Weight (lbs)	L7		
Roof, Building, Design Information			
Exposure Category	В		
Risk Category	111		
Ultimate Design Wind Speed	128		
Roof Angle (degrees)	1		
Gust Factor	0.85		
Kz (ft above ground)	0.7		
Kd	0.85		
Kzt =	1		
PV Module Information			
HANWHA QCELL L-G6.2	Feet	Inches	Millimeters
Length (feet)		81 88976	
Width (feet)		40.55118	
Thickness (feet)		1 377953	
Area (square feet)	23.0606		13
Weight (lbs)	55.1		
Corresponding Racking System Info for 1 panel and pan			
Weight (lbs)	5.2		
Germounts Tilt Angle (degrees)*	3		*Will put In a drop box
Genmounts Rack Spacing (inches)*	8 2		*Corresponds to desired tilt angle (will put in a drop box)
Module and Rack Loading Information			
N S Rack spacing (feet) *	4 050		*This distance is cosine angle of panel times panel width plus rack spacing
E-W Rack spacing (feet) *	6 824		*This distance is simply the length of the panel
Rack Area (square ft)*	27 636		
Module Loading (psf)	1 994		
Rack Loading (psf)	D 224		
Total Dead Load (psi)*	2 218		*Module Load plus Rack Load divided by area
ASCE 7-16 Combination of Loads (Factored Loading pg 8)			
2 2 Symbols and Notation	Lift	D	
D = Dead Load	2 218	Drag 2 218	
W = Wind Load	2 218	2 218	
2.4 Combining of Nominal Loads Using Allowable Stress Design			
2 4 Combining of Nominal Loads Using Allowable Stress Design	Lift	Drag	
2.4 Combining of Nominal Loads Using Allowable Stress Design  5 D + {0.6 W or 0.7 E} **	Lift 2 218		** Nerdy W added (4

MeniBRAGE ROOF ATTAChment SPECFUATIONS

# EverGuard® Standard EZ Fascia EX

Updated: 1/19





Quality You Can Trust...From North America's Largest Rooting Manufacturer!™

# **METAL** EverGuard® Standard EZ Fascia EX Aluminum/Stee

# **EVERGUARD**

# STANDARD EZ FASCIA EX

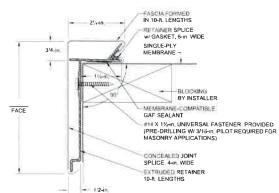


# **Description**

FM and ES-1 tested and approved two-piece snap-on fascia system with heavy-duty aluminum retainer to improve contractor productivity and enhance roof system performance.

# **Features and Benefits**

- Tested per ANSI/SPRI/FM4435/ES-1
- Clamps single-ply roof membrane against building like a termination bar, preventing leaks and blow-offs
- Extruded retainer in five sizes:
  3.75" (95.3 mm) for one nailer,
  5.25" (133.4 mm) for two nailers,
  6.75" (171.5 mm) for three nailers,
  8.25" (209.6 mm) for four nailers,
  and 11.25" (285.8 mm) for five nailers of coverage
- Heavy .100" extruded aluminum retainer for all sizes
- Only one row of fasteners required for lace sizes over 6" (152 mm), increasing contractor productivity and ease of installation
- Does not require membrane to be stripped in, eliminating extra material and steps



# Factory-Fabricated Corners & Accessories

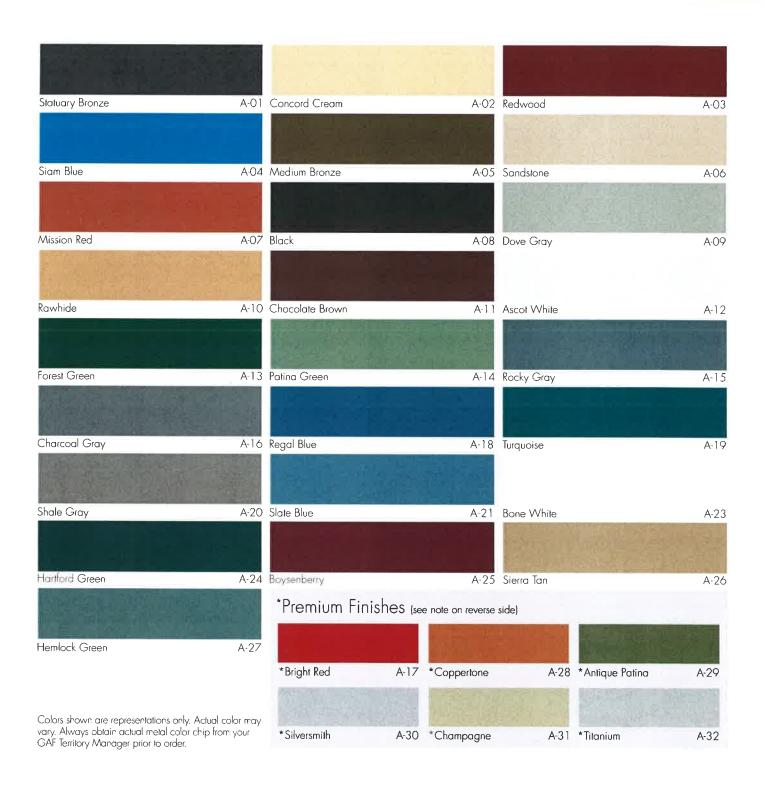
Folded GAF Edge Corners and Accessories come premanufactured and ready to install for a clean finished look with no additional field labor.



 Consult RoofNav.com for specific assemblies

# Color Options





# Quick Reference Guide



The colors below are available in the listed materials and gauges. Contact GAF for minimum gauge requirements of specific products. 'Premium Finishes or gauges are available with moderate cost and delivery increases. Factory-fabricated Premium Finishes accesssories are only available using metal-lock or folded techniques for a perfect color match.

COLOR NAME	#	STEEL		ALUMINUM		
		22GA	24GA	.040"	.050"	.063"
Statuary Bronze	A-01	•	•	•	•	•
Concord Cream	A-02		•	•	•	
Redwood	A-03		•	•	•	
Siam Blue	A-04		•	•	•	
Medium Bronze	A-05	•	•	•	•	•
Sandstone	A-06	•	•	•	•	•
Mission Red	A-07	V	•	•	•	
Black	A-08		•	•	•	
Dove Gray	A-09		•	•	•	•
Rawhide	A-10		•	•	•	
Chocolate Brown	A-11		•	•	•	
Ascot White	A-12		•	•	•	•
Forest Green	A-13	•	•		•	•
Patina Green	A-14		•	•	•	
Rocky Gray	A-15		•	•	•	
Charcoal Gray	A-16		•	•	•	
Regal Blue	A-18		•	•	•	
Turquoise	A-19			•1	•	
Shale Gray	A-20	- • .	•	•	•	
Slate Blue	A-21		•	•	•	
Bone White	A-23	•	•	•		•
Hartford Green	A-24		•	•	•	
Boysenberry	A-25		•	•	•	
Sierra Tan	A-26		•	•		
Hemlock Green	A-27		•	•	•	

# PREMIUM FINISHES\* (see note above)

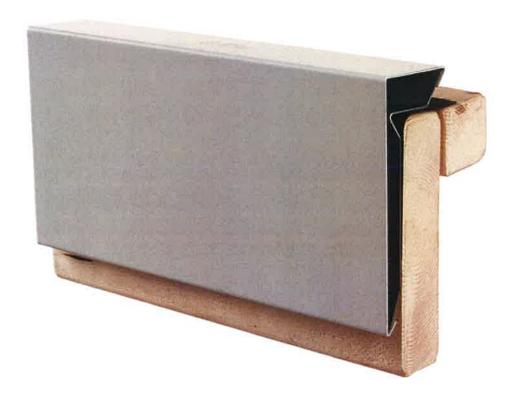
Bright Red*	A-17	•	•	•
Coppertone*	A-28	•	•	
Antique Patina*	A-29	•	•	
Silversmith*	A-30	•	•	
Champagne*	A-31	•	ě.	
Titanium*	A-32	•	•	

Clear protective vinyl film must be removed immediately after installation of prefinished metals

# **EverGuard® Standard EZ Fascia EX**

Economically prefabricated metal edge for use with single-ply, modified, or BUR roof systems.





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Membrane Roof MATERIAL

# EverGuard Extreme® Fleece-back TPO 80 mil Membrane Data Sheet

Updated: 9/15



# EverGuard Extreme® Fleece-back TPO 80 mil Membrane

# **Applicable Standards**

UL approved for use in the construction of Class A, B or C roofs; FM Approved, ASTM D6878, Title 24 Compliant, Miami-Dade County Approved, Florida Building Code Approved, ENERGY STAR® Qualified,\*

Physical Properties	ASTM Test Method	ASTM D6878 Minimum	EverGuard Extreme® Typical Test Data
Certa In data Is provided in MI     Data is based upon typicai pro	D (machine direction) x CMD (cross machine direction but to performance, and is subject to normal manufactions.	on) formal acturing tolerance and variance	
Nominal Thickness	ASTM D751	0.039" (min.) (0.99 mm)	0,080' (2,03 mm)
Breaking Strength	ASTM D751 Grab Method	220 lbf/n (38.5 kn/m)	440 lbf x 390 lbf (656 x 581 kg/m)
Factory Seam Strength	ASTM D751	66 lof (98,34 kg/m)	140 lbf (209 kg/m) (membrane failure)
Elongation at Break	ASTM D751	15%	30%
Heat Aging	ASTM D573	90% Retention of Breaking Strength and Elongation at Break	100%
Tear Strength	ASTM D751 8' x 8" (203 x 203 mm) Samole	55 lbf (81,95 kg/m)	100 lbf x 180 lbf (149 x 268 kg/m)
Puncture Resistance	FTM 101C Method 2031	Not Established	>380 ibs [172 kg]
Cold Brittleness	ASTM D2137	-40C	-40 C
Permeance	ASTM E96	Not Established	0.08 Perms
Dimensional Change	ASTM D1204 @158 F (70 C), 6 hrs	+/-1%	0.4%
Water Absorption	ASTM D471 @158 F (70 C), 1 week	+/-3.0%	0,7%
Hydrostatic Resistance	ASTM D751 Method D	Not Established	430 osi
Ozone Resistance	ASTM D1149	No visible deterioration @ 7 x magnification	No visible deterioration @ 7 x magnification
Reflectivity (white) Initial/Aged	ASTM C 1 549	N/A	0,84/0,72
Emissiv ty (white) Initial/Aged	ASTM E408	N/A	0.84/0.91
Weather Resistance	ASTM G155/D6878	10,080 SJ/{m²- nm} or 340 nm	>46,000 KJ/{m³-nm} at 340 nm
Heat Aging	ASTM D573	240F (115 C) for 32 weeks	128 weeks
Thickness Above Scrim	ASTM D7635	Min 30% of Total Thickness	31.5 mil (Nominal)
Guarantee			
Up to 35 years			

\*ENERGY STAR only valid in the USA

# **Product Data**

Roll Size	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation.				
	Colors	Full Size Roll	Full Roll Weight	Half Roll Size	Half Roll Weight
	White	10' x 50' (3.05 x 15.24 m) (500 sq. ft. [46.5 sq.m])	230 lbs (104 kg)	5' x 50' {1.52 x 15.24 m} {250 sq. ft. [23.23 sq.m]}	116 lbs. (53 kg)
	Note: Membrane rolls shipped horizontally on pallets, stacked pyramid style and banded				
Storage	Store rolls on their sides on pallets or shelving in a dry area				
Safety Warning	Membrane rolls are heavy. Position and install by at least two people.				



# EverGuard Extreme® TPO 80-mil Fleece-Back Membrane

The perfect choice if you're looking to avoid the expense of removing an existing roofing system before installing a new one.





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DOCS
(HTTPS://WWW.GAF.COM/ENUS/ROOFINGPRODUCTS/COMMERCIALROOFING-PRODUCTS/TPOROOFING-SYSTEMS/TPOMEMBRANES/EXTREMEFLEECE-BACK/EVERGUARDEXTREME-TPO-80-MIL-FLEECEBACKMEMBRANE/DOCUMENTS)

VIDEOS
(HTTPS://WWW.GAF.COM/EN-US/ROOFINGPRODUCTS/COMMERCIALROOFING-PRODUCTS/TPOROOFING-SYSTEMS/TPOMEMBRANES/EXTREMEFLEECE-BACK/EVERGUARDEXTREME-TPO-80-MIL-FLEECEBACK-MEMBRANE/VIDEOS)

# Why EverGuard Extreme® TPO 80-mil Fleece-Back Membrane?

An independent TPO study proved:

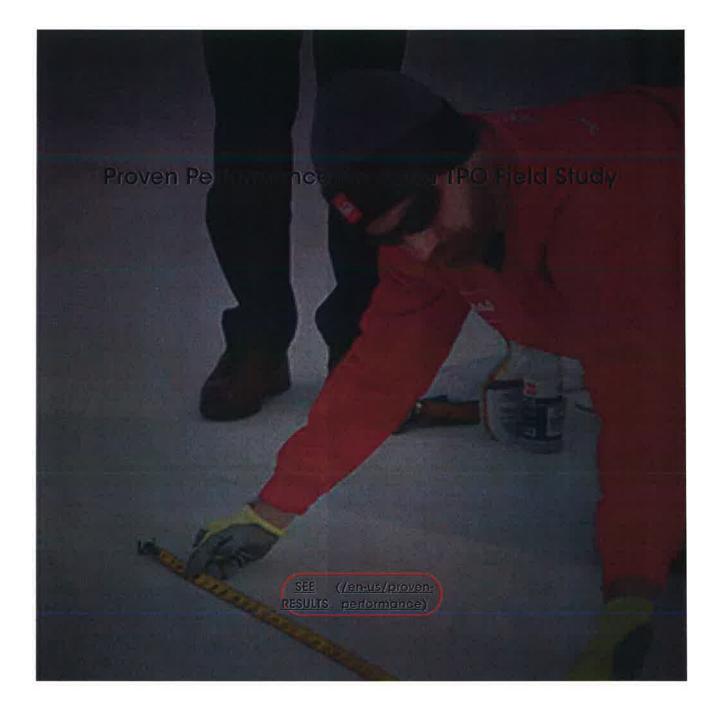
EverGuard Extreme® TPO is the best performing TPO in accelerated aging. After accelerated heat aging at 275°F (135°C) for 190 days, EverGuard Extreme® 50- and 60-mil TPO showed no cracking — while every one of the competitors' samples failed.

Factory-applied polyester fleece provides additional protection to the membrane and means you won't need a slip sheet when re-covering over a variety of roofs. The fleece back also provides enhanced puncture resistance, especially in areas more prone to hail. It increases installation efficiency 2–3 times when installing fleece-back TPO with GAF Two-Part Roofing Adhesive (compared to standard TPO adhesives). Guarantees are available up to 35 years and it's easier to install due to the large welding window.<sup>2</sup>

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# **Benefits**

Benefits of EverGuard Extreme® TPO 80-mil Fleece-Back Membrane include:

- **Great Value:** Superior performance at a costeffective price.
- Long-term Weathering: Excellent long-term heat and UV resistance.
- Excellent Seam Strength: Heat-welded seams Energy Saving: Highty of the tive fand enissive We use cookies to operate our website, enhance site provide a grant strength of taged and assist in White roof trap help reduce energy costs and other seafonts. By clicking "Accept Cookies," you agree banktie as is land effect.

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- CREST Energy Savings Calculator: See your potential savings at <u>cool.gaf.com</u> (<a href="http://cool.gaf.com">http://cool.gaf.com</a>).
- **NSF/ANSI 347:** Providing architects and contractors with a certified sustainable option for single-ply roofing membranes.
- **UL Landfill Waste Diversion Validation:** Zero Waste to Landfill (Mt. Vernon TPO Plant).
- **HPDs:** Only single-ply roofing manufacturer that publishes Health Product Declarations (HPDs) for transparent reporting and LEED<sup>3</sup> v4 compliance.
- EPDs: Publishes Environmental Product Declarations (EPDs) for Single-Ply Roofing Membranes.
- **NSF P151:** Certification of Rainwater Catchment System Components.

# **Installation Options**

EverGuard Extreme® 80-mil Fleece-Back TPO can be installed with a wide range of applications:

- **Mechanically Attached Application:** A quick and cost-effective system that can be installed practically year-round.
- RhinoBond®¹ Application: Can be applied without using adhesives and installed practically year-round.
- Qualifies for the same guarantee length as an adhered system.<sup>2</sup>
- Adhered Application: Can be installed with EverGuard® 1121 Bonding Adhesive (solvent-based), EverGuard® Low VOC TPO Bonding

- Adhesive, or EverGuard® WB181 Bonding Adhesive (water-based) for the smoothest appearance.
- OlyBond500<sup>™</sup> Roofing Adhesive Equipment-Free Canister System: Self-contained low-rise foam dispensing kit, offering 24 squares per kit so there are fewer changeovers. Offers an added benefit because of its spatter pattern, which results in complete coverage for the membrane.
- Provides superior wind uplift performance.

# **TPO Accessories**

Field fabrication of TPO accessories is timeconsuming, costly, and inconsistent – and it can lead to unreliable details that compromise a watertight roofing system.

EverGuard® TPO prefabricated accessories
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field fabrication. They can also boost productivity up to 200% while reducing installed cost by up to 12%.

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¹RhinoBond®is a registered trademark of OMG.

<sup>&</sup>lt;sup>2</sup>See applicable guarantee for complete coverage and restrictions.