

City of Belle Isle Job Site Card PLUMBING PERMIT 2019-04-026

<u>PERMIT MUST BE POSTED ON SITE</u> - A permit expires in 6 months if approved inspections are not recorded /scheduled within that time frame. You are responsible for scheduling and keeping track of all your inspections -

Site Address: 5302 Chiswick Cir 32812 Parcel #: 20-23-30-9373-00-260
Class: □ Residential Subdivision:

Description of Work: SOLAR

Issued: Superior Solar Systems LLC

Name: TRAVERSO, J L

Contractor License #: CVC56931

Schedule Inspections via Email at: <u>BIDscheduling@universalengineering.com</u>
SCHEDULE INSPECTIONS BY 3:00 PM CUT OFF TIME
Inspection Results Will Be Sent Out the Following Business Day

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

PLUMBING	INSPECTOR	DATE	COMMENTS
600 Sewer			
610 Underground			
620 Rough			
630 Above Ceiling			
640 Irrigation Final			
650 Final			
-			

Inspection requests are to be emailed to BIDscheduling@UniversalEngineering.com; a confirmation email will be sent back to you upon scheduling. Next-Day Inspection requests must be made by 3 pm. Please include the following in your request: Permit #, project address, type of inspection, date of the requested inspection, a contact name & a contact phone number. AM or PM may be requested but cannot be guaranteed.

Universal Engineering Sciences - 3532 Maggie Blvd., Orlando, FL 32811Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com



RECEIVED ? + 8 2019
City of Belle Isle
City of Sciences 3532 Maggie Blvd

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811 Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

RECEIVED APR -8

APPLICATION FOR PLUMBING PERMIT

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

	OMMENCEMENT.		0	~ /			
DATE OF APPLICATION: The undersigned hereby applies	319 for a permit to make plumb	PERMIT NUME ping installations as indicated below. F	ER 2019-04-0	96			
Project Address 53 Da	Chrow	V.CIC	Isle FL 32809 \(\sqrt{32812}				
Property Owner Shela Walaszer Phone 321217 4889							
Property Owner's Mailing Address	5300 Channell (1) Ballaich						
1 2	7 320 2 20 222 00 2/02						
State Zip Code		Number:	ocpafl.org/Searches/ParcelSearch.aspx				
Class of Building: Old New Type of Work: New Alterate	ion Addition Rep		☐ Septic☐ Re-pipe ☐				
YOU MAY BE REQUIF		C SYSTEM VERIFICATION FOR NE RANGE COUNTY DOCUMENT 64E-0					
VALUATION OF JOB (labor & m	1010	0.00					
FIXTURES	Quantity	FIXTURES	Quantity				
Water Closets (Toilet)		Dishwashers					
Bathtubs		Laundry Tubs					
Urinals		Floor Drains					
Disposals		Grease Traps					
Washing Machines		Trailer Connections	a				
Water Heaters		Spa					
Sewer		Solar					
Catch Basins/Sumps		Pool Piping	[D]	AIL			
Service Sink		*Irrigation: (# Systems / # Hea	ds)	17-19			
Lavatory (Bathroom Sink)		Water Softener	D LA	ex-			
Showers		Re-pipe	Ct	127027			
Sinks	2	Miscellaneous (Specify)		2/5			
Per FBC, Sec. 608, a Backflow Pre-	feator must be installed & te	ested, the report must be posted with pe	mit for Final Inspection.				
X	MIK)	11610	Permit Fee	10			
Building Official	190	ate_ 4-1-19	Review Fee 2	\sim			
Verified Contractor's Licenses &	& Insurance are on file	Date 4.8.19	/ 11 -				
			3% State Surcharge (\$4.00 minimum)	min			
			Total Permit Fee	50			
I hereby certify that the above is to	rue and correct to the bes	at of my knowledge and make Applica	ion for Permit as outlined above, and if				
same is granted I agree to conform t	to all Florida Building Code I	Regulations and City Ordinances regulation	ing same and in accordance with plans				
submitted. The Issuance of this permit	does not grant permission	violate any applicable Town and/or Sta	te of Florida codes and/or ordinances.				
LICENSE HOLDER SIGNATURE_	for fall of	LICENS	E# CV (5693)				
LICENSE HOLDER NAME	CONTION	EVSCOMPANY NAME ST	4 Deviur Solar				
Street Address	nsningi	ane					
City TH. Sports	State	_ Zip CodeZhone	Number 401331901				
Email Address Very	ttingas	upenbrodian	.00M				
NOTE: The Building Permit Number	is required if the Plumbing I	nstallation is associated with any constru	ction or alteration where a Building				
Permit has been issued.	tam5bell	ayahoo.com	when ready plan	se			
		Building Permit Nu	mber				
7.2	7/						
146	165						

	#2019-04-026 DOCH 20190213745
	04/09/2019 07:40:44 AM Page 1 of 1 Rec Fee: \$10.00
	Urange County El
	Folio/Parcel Identification Number 2 Prepared by: Prepared by: Prepared by:
	Return to: 925 SUNSHIP (and
	AH SOAS F 22014
	NOTICE OF COMMENCEMENT (2)
٦	State of Florida, County of Orange
0.7	The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.
9	1. Description of property (legal description of the property, and street address if available) SWICK CUT
	2. General description of improvement
	Jolar Pol Heart & DULLI EICHTIC PENIAS
	3. Owner information or Lessee information if the Lessee contracted for the improvement Name Shella Waldszell
	Address 5302 Chiswick Circle Delle Stetle
	Interest in Property CUNCY
	Name and address of fee simple titleholder (if different from Owner listed above) Name
	Address
	4. Contractor Spericy Solar, All Stelephone Number 4973319077
	Address 925 SWISTITE WE FIT SUCIST DE 19
	5. Surety (if applicable, a copy of the payment bond is attached) Name Telephone Number
	NameTelephone Number AddressAmount of Bond \$
	6. Lender Name Telephone Number
	NameTelephone Number Address
	7. Persons within the State of Florida designated by Owner upon whom notices or other documents may
	be served as provided by §713.13(1)(a)7, Florida Statutes. NameTelephone Number
	Address
	8. In addition to himself or herself, Owner designates the following to receive a copy of the Lienor's Notice as provided in §713.13(1)(b), Florida Statutes.
	NameTelephone Number
	Address 9. Expiration date of notice of commencement (the expiration date may not be before the completion of
	construction and final payment to the contractor, but will be 1 year from the date of recording unless a
	different date is specified)
	WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN
	RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION, IF YOU INTEND TO OBTAIN FINANCING, CONSULT
	WITH YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.
	Under penalty of perjury, I declare that I have read the foregoing notice of commencement and that the
	facts stated in it are true to the best of my knowledge and belief.
	Souther alas of
	Signature of Owner or Lessee, or Owner's or Lessee's Authorized Officer/Director/Partner/Manager Signatory's Title/Office
	The foregoing Instrument was acknowledged before me this 3 day of 319 by Shella WalaStek
	as
	Type of admostry e.g., officer, trustee, attorney in fact Name of party on behalf of whom instrument was executed
	- Masay Grena
	Signature of Notary Public - State of Florida Palo September 1985 (1994) Rame of Notary Public LINDS (1994) Rame of Nota
	reisonally knownAn
	Type of ID Produced UNIVERS TO THE Bonded Thru Notary Public Universities September 26, 2011
	of FLORIDA, County of ORANGE by Görtify that this is a true copy of cumentas reflected in the Official Records 8 SEAL
the di	
BY:	(mchmm _ B.O.
DA	ED 04-09-19



DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION STATE OF FLORIDA

CONSTRUCTION INDUSTRY LICENSING BOARD

THE SOLAR CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

TRAVERSO, JACOB LOUIS

SUPERIOR SOLAR
925 SUNSHINE LANE SUITE 1010
ALTAMONTE SPRINGS FL 32714

LICENSE NUMBER: CVC56931

EXPIRATION DATE: AUGUST 31, 2020

Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

CITY OF ALTAMONTE SPRINGS

225 NEWBURYPORT AVENUE ALTAMONTE SPRINGS, FLORIDA 32701-3697 407-571-8116

SUPERIOR SOLAR SYSTEMS LLC 925 SUNSHINE LN, STE 1010 ALTAMONTE SPRINGS, FL 32714

DO NOT PAY - THIS IS NOT A BILL Below Certificate must be displayed at Business Location

CITY OF ALTAMONTE SPRINGS

225 NEWBURYPORT AVENUE ALTAMONTE SPRINGS, FLORIDA 32701-3697 407-571-8116 Fiscal Year 2018-2019

BUSINESS TAX RECEIPT

Business Number: 31112

Expires: September 30, 2019

Business Name:

SUPERIOR SOLAR SYSTEMS LLC

Business Address:

925 SUNSHINE LN, 1010

ALTAMONTE SPRINGS, FL 32714

RECEIPT NO.	CLASS DESCRIPTION		
	CLASS DESCRIPTION	FEE	
BTR-002746-2019	Seminole County – Regulated	CAE DO	
BTR-002746-2019	Contractor - All others/State Licensed	\$45.00 \$120.75	
TOTAL BUSINESS T	TOTAL BUSINESS TAX PAID:		
	TOS LITUO.	\$165.75	

Restrictions:

Home Occ.-No commercial vehicles or storage

Office Use Only

Angela M Appenson
City Clerk



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 5/23/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in ileu of such endorsement(s).

NSURER A: Amerisure Mutual Ins. Co 23395 Tevs Alternative Energy, LLC Superior Solar Systems LLC DBA Superior Solar 2925 Surshine Lane, Suite 1010 Altamonte Springs FL 32714 **RESURER E: REVISION NUMBER: 1954439730 THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED BROVE FOR THE POLICY PERCENTINDICATED. NOTWITHSTANDING ANY REQUIREMENT. TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THE CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE SUPERIOR BY THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED BOVE FOR THE POLICY PERCENTINDICATED. NOTWITHSTANDING ANY REQUIREMENT. TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THE CERTIFICATE MAY BE ISSUED OR MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DEFINED HEREIN IS SUBJECT TO ALL THE TERM EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. **A VIOLATION OF THE WARRING OF THE POLICIES OF THE POLICIES DEFINED HEREIN IS SUBJECT TO ALL THE TERM EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. **A VIOLATION OF THE WARRING OF THE POLICIES OF THE POLICY OF T	_	his certificate does not confer rights t	to the cert	ificate holder in lieu of s).				
ARC, No. 131, 271-397 I.ARC, No. 1327-3989 I.ARC, No. 1327-398	11 11 11 11 11	[40] [40] [40] [40] [40] [40] [40] [40]			NAME:			Twa	·		
INSURER S. SPRONING COVERAGE INSURER A : Amerisure Mulual Ins. Co RSURER A : Amerisure Mulual Ins. Co RSURER B : Amerisure Ins Company Insurer B : Masurer B : Amerisure Insurer B : Masurer B				(AC, No. Exil; 321-397-3870 (AC, No.: 321-397-3888					388		
NSURER A : Amerisure Mutual Ins. Co 23396	Al	lamonte Springs FL 32701			ADDRES	s: certificate	s@insbyken	brown.com			
INSURER D: INSURED NAMED ABOVE FOR THE POLICY PERICE D: INSURANCE INSURED NAMED ABOVE FOR THE POLICY PERICE D: INSURANCE NAMED ABOVE FOR THE POLICY PERICE D: INSURANCE NAMED ABOVE FOR THE POLICY PERICE D: INSURER D: INSURER D: INSURED NAMED ABOVE FOR THE POLICY PERICE D: INSURANCE NAMED ABOVE FOR THE POLICY PERICE D: INSURED NAMED ABOVE FOR THE POLICY PERICE D: INSURANCE NAMED ABOVE FOR THE POLICY PERICE D: INSURANCE NAMED ABOVE FOR THE POLICY PERICE D: INSURANCE NAMED NAMED ABOVE FOR THE POLICY PERICE D: INSURED D: INSURANCE NAMED NA											NAIC #
Tevs Alternative Energy, LLC Superior Solar Superior Solar Systems LLC DBA Superior Solar 925 Sunshine Lane, Suite 1010 Altamonte Springs FL 32714 Insurer 6 : Insurer 6 : Insurer 6 : Insurer 7 : Insurer 7 : Insurer 8 : Insure			YEMAN A		INSURE	RA: Amerisu	re Mutual Ins	. Co			23396
Superior Solar Systems LLC DBA Superior Solar 925 Sunshine Lane, Suite 1010 Altamonte Springs FL 32714 Maurer e Maur			I CAWA-1		INSURE	a : Amerisu	re Ins Compa	any			19488
Altamonte Springs FL 32714 INSURER E	Sι	perior Solar Systems LLC DBA Sup	erior Sola	ar .	INSURE	RG:					
COVERAGES CERTIFICATE NUMBER: 1854439790 REVISION NUMBER: THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD CONTRACT ON OTHER DOCUMENT WITH RESPECT TO WHICH THE CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERM EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. A TYPE OF INSURANCE ADDISURE AND POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. A COMMERCIAL GENERAL LIABILITY A NATOMOBILE LI					INSURE	10:					
COVERAGES CERTIFICATE NUMBER: 1854439790 REVISION NUMBER: THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIC INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM ON CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THE CERTIFICATE MAY BE ISSUED DIM MAY PERTAIN. THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERM EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. A COMMERCIAL GENERAL LIBILITY CICLAIMS-MADE X OCCUR GENERAL AGGREGATE LIMIT APPLIES PER. POLICY SET, BROWN AND CONTRACT OR OTHER DOCUMENT WITH STANDING MAY HAVE BEEN REDUCED BY PAID CLAIMS. A CA0924490401 CA20924490401 CA20924490401 GENERAL AGGREGATE LIMIT APPLIES PER. POLICY SET, BROWN AND AUTOS ONLY X AUTOS	All	lamonte Springs FL 32714			INSURE	t E :			-		
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED ABOVE FOR THE POLICY PERIC INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THE CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERM CECLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. TYPE OF INSURANCE ADDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. A COMMERCIAL DEBREAL LIABILITY CLAIMS-MADE X OCCUR TYPE OF INSURANCE TO RENTED AUTOMOBILE LIABILITY CA20924490401		VERT 222			•	RF:					
EXCLUSIONS AND CONDITIONS OF SUCH POLICIES, LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. ITSE TYPE DF INSURANCE ADDLIVE NUMBER ADDLIVE NUMBER POLICY NUMBER PROPERTY POLICY NUMBER PROPERTY POLICY NUMBER PROPERTY NUMBER NUM	T	HIS IS TO CERTIFY THAT THE POLICIES	OF INSUF	RANCE LISTED BELOW HA	VE BEEN	CONTRACT	THE INSURE	ED NAMED ABOVE F	OR THE	TO WHI	CH THIS
A COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR CLAIMS-MADE X OCCUR CENTA AGGREGATE LIMIT APPLIES PER. POLICY X PRODUCTS - COMPINED STOOM MED EXP (Any one person) \$ 100,000 OCCUR GENERAL AGGREGATE LIMIT APPLIES PER. POLICY X PRODUCTS - COMPINED STOOM OCCUR OTHER: ANY AUTO ONLY X AUTO ONLY X AUTOS ONLY X EXEMPTIONS SO COURS ON AUTOS ONLY X AUTOS	C E	ERTIFICATE MAY BE ISSUED OR MAY	PERTAIN, POLICIES	THE INSURANCE AFFORD	DED BY	THE POLICIES	S DESCRIBEI PAID CLAIMS	D HEREIN IS SUBJE	CT TO	ALL THE	TERMS,
CALAIMS-MADE CALAIMS-MADE COCUR CALAIMS-MADE CALAIMS-MAD			ADDL SUBR			POLICY FEE	POLICY EXP		LIMITO		
CLAIMS-MADE OCCUR			INSO WYD					STAIL ORGUPOSNOS		4 000 000	
PERSONAL & ADV INJURY \$1,000,000		i run		The state of the s		0,,,,,	3.17213	DAMAGE TO RENTED			
GENT AGGREGATE LIMIT APPLIES PER: POLICY X JRC LOC OTHER: B AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY X HIRED AUTOS ONLY X UMBRELLA LIAB DED X RETENTIONS SO B WORKERS COMPRIANTION AND REPLOYERS LIABILITY ANY AND REPLOYERS LIABILITY WC208856205 B WORKERS COMPRIANTION AND REPLOYERS LIABILITY ANY AND REPLOYERS LIABILITY ANY AND REPLOYERS LIABILITY X UMBRELLA LIAB B WORKERS COMPRIANTION AND REPLOYERS LIABILITY ANY ANY RETENTIONS SO B WORKERS COMPRIANTION AND REPLOYERS LIABILITY Y / N ANY RETENTIONS SO B WORKERS COMPRIANTION AND REPLOYERS LIABILITY Y / N ANY RETENTIONS SO CU20924500402 B WORKERS COMPRISATION AND REPLOYERS LIABILITY Y / N ANY RETENTIONS SO CU2098856205 B WORKERS COMPRISATION AND REPLOYERS LIABILITY Y / N ANY RETENTIONS SO CU2098856205 B WORKERS COMPRISATION AND REPLOYERS LIABILITY LEL EACH ACCIDENT S 1,000,000 ELL DISEASE - POLICY LIMIT \$ 1,000,000 ELL DISEASE - POLICY LIMIT \$ 1,000,000					1			MED EXP (Any one pers	on) S	5.000	
PROLICY X JECT LOG OTHER: B AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY X HIRED AUTOS ONLY X AUTOS ONLY AUTOS ON								PERSONAL & ADV INJU	RY 3	1,000,000	
## AUTOMOBILE LIABILITY X ANY AUTO								GENERAL AGGREGATE		2,000,000	
B AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY X HIRED AUTOS ONLY X HORE EXCESS LIAB CLAIMS-MADE B WORKERS COMPENSATION AND PROPIETO COMPRINTED SEASE WC208856205 B								PRODUCTS - COMP/OP			
X ANY AUTO OWNED AUTOS ONLY X HIRED AUTOS ONLY X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTION \$ 0 WC208856205 CU20924500402 CU20924500402 G/1/2018 G/1/2018 G/1/2018 G/1/2019 BODILY INJURY (Per accident) \$ 1,000,000 EACH OCCURRENCE \$ 2,000,000 S WC208856205 G/1/2018 G/1/2018 G/1/2019 BODILY INJURY (Per person) \$ 1 BODILY INJURY (PERSON) \$ 1 BODIL	8			CA20924490401		6/1/2018	6/1/2019		IIT S	1,000,000	
A UTOS ONLY HERD AUTOS ONLY X NON-OWNED AUTOS ONLY X DOMONOWNED AUTOS ONLY X DAMAGE (Par accidant) \$ **NON-OWNED AUTOS ONLY X DOMONOWNED AUTOS ONLY X DAMAGE (Par accidant) \$ **EACH OCCURRENCE \$ 2,000,000		X ANY AUTO							rson) \$		
AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY AUTOS ONLY B WORKERS LIAB		OWNED SCHEDULED AUTOS	SCHEOULED AUTOS		BODILY INJURY (Per ac	cident) \$					
A X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED X RETENTIONS 50 B WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDEO? (Mandalary in NH) If yes, dosinbot undor DESCRIPTION OF OPERATIONS below S CU20924500402 6/1/2018 6/1/2018 EACH OCCURRENCE \$2,000,000 AGGREGATE \$2,000,000 \$ S WC208856205 6/1/2018 8/1/2019 X STATUTE ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000					- 1			FROPERTY DAMAGE	\$		
EXCESS LIAB CLAIMS-MADE DED X RETENTION SO WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNEREXECUTIVE OFFICER/MEMBER EXCLUDEO? (Mandatory in NH) If yes, dosonbol under DESCRIPTION OF OPERATIONS below ELL DISEASE - POLICY LIMIT \$ 1,000,000								P. 01. 00.000013	s		
B WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR PARTINER EXECUTIVE OFFICER MEMBER EXCLUDED? (Mandatory in NH) If yes, do sondo undor DESCRIPTION OF OPERATIONS below AGGREGATE \$ 2,000,000 \$ \$ WC208856205 \$ 6/1/2018 #/1/2019 \$ \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000	Ä	X UMBRELLA LIAB X OCCUR		CU20924500402		6/1/2018	6/1/2019	EACH OCCURRENCE	1	2,000,000	
B WORKERS COMPENBATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, dosinbe under DESCRIPTION OF OPERATIONS below WC208856205 8/1/2018 8/1/2019 X PER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000		EXCESS LIAB CLAIMS-MADE			i			AGGREGATE		2,000,000	
AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandalary in NH) If yes, dosinbo under the properties of the properties o		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2									
ANYPROPRIETOR/PARTINER/EXECUTIVE OFFERENCEMENT \$ 1,000 000 [Mandstary in NH] If yes, doscribe under DESCRIPTION OF OPERATIONS below Company	8	AND EMBLOYEDS: HARBOTY		WC208856205		6/1/2018	8/1/2019	X PER C	OTH-		
(Mandalory in NH) E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 If yes, dosenbe under DESCRIPTION OF OPERATIONS below E.L. DISEASE - POLICY LIMIT \$ 1,000,000			NIA		1				s	1,000,000	
		(Mandalory in NH)	WA.		1	1		E.L. DISEASE - EA EMPI	LOYEE \$	1,000,000	
		DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY	LIMIT &	1,000,000	
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 191, Additional Remarks Schedule, may be stilleched if more space is required)											
	ES	CRIPTION OF OPERATIONS / LOCATIONS / VEHICL	E8 (ACORD	101, Auditional Remarks Schedu	do, may be	slikched if more	apace is require	ed)			
		1000									
	CEF	RTIFICATE HOLDER			CANC	ELLATION					
CERTIFICATE HOLDER CANCELLATION		City of Belle Isle			THE	EXPIRATION	DATE THE	REOF, NOTICE W			
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFOR THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED I ACCORDANCE WITH THE POLICY PROVISIONS.		1600 Nela Avenue Belle Isle FL 32809			AUTHOR	ZED REPRESEN	ITATIVE		_		





CERTIFIED SOLAR THERMAL COLLECTOR

SUPPLIER: Heliocol USA, Inc. 950 Sunshine Lane Altamonte Springs, FL 32714 USA www.heliocol.com

MODEL:

Heliocol 50

THERMAL

Unglazed Flat Plate

COLLECTOR

TYPE:

CERTIFICATION #: 98002

Orlginal

February 02, 2009

Certification:

Expiration Date:

February 02, 2029

This solar collector was evaluated by the Florida Solar Energy Center (FSEC) in accordance with prescribed methods and was found to meet the minimum standards established by FSEC. This evaluation was based on solar collector tests performed by an FSEC approved laboratory. The purpose of the tests is to verify initial performance conditions and quality of construction only. The resulting certification is not a guarantee of long term performance or durability. This collector has been rated for energy output on measured performance and an assumed standard day. Total solar energy available for the standard day is 5045 Watt-hour/m2 (1600 Btu/ft2) distributed over a 10 hour period.

	CC	DILECTOR THERMA	L PERFORMANC	E RATING (Collector	Tested per ASHRAE	96)	
	Kilowatt-hours (ther	mal) Per m² Per Day			Thousands of Bi	u Per ft² Per Day	
Category Inlet	Low 30°C	Intermediate 50°C	High 100°C	Category Inlet	Low 86°F	Intermediate 122°F	High 212°F
ENERGY OUTPUT	3.0	1.1	0.0	ENERGY OUTPUT	1.0	0.3	0.0

COLLECTOR SPECIFICA	TIONS				
Gross Area:	4.488 m²	48.30 ft²	Dry Weight:	11 kg	24 lb
Net Aperture Area:	4.481 m²	48.23 ft²	Fluid Capacity:	14.4 liter	3.8 gal
Absorber Area:	4.488 m²	48.30 ft²	Test Pressure:	1103 kPa	160 psi

TECHNICAL INFORMATION		Tested in accordance with: ASHRAE 96		
Efficiency Equation [NOTE: Based on gross area and (P)=Ti-Ta]				
SI UNITS:	Wind speed (u) < 1.5 m/s, Temperature (Ti – Ta) In °C, Radiation (G) in W/m ² η = 0.837 - 18.440(P/G) - 50.690(P ² /G)			
IP UNITS:	Wind speed (u) < 3 mph, Temperature (Ti – Ta) In °F, Radlation (G) in Btu/hr-ft² η= 0.837 - 3.250(P/G) - 4.959(P²/G)			

IAM Coefficient:	1 - 0.11				
Test Fluid:					
Test Mass Flow Rate:	kg/(s m²)	lb/(hr ft²)			

REMARKS:





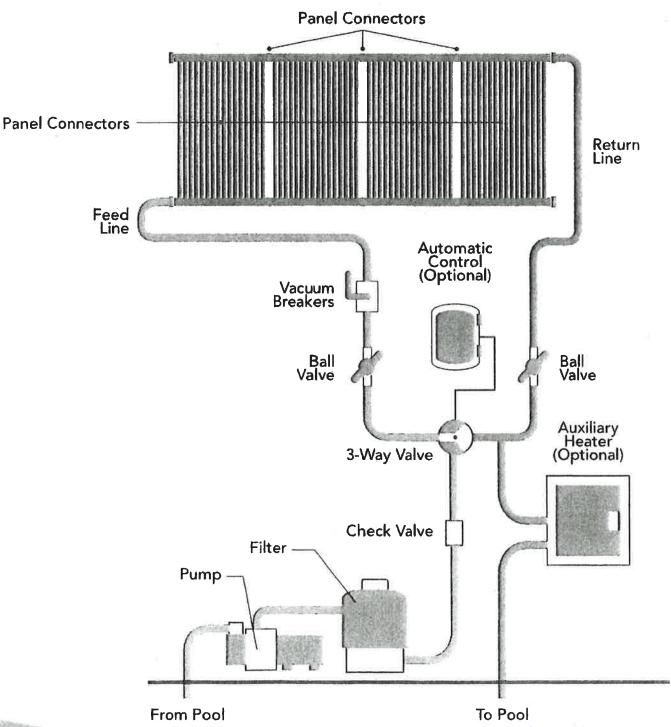
Print Date: September, 2017 © 2014 University of Central Florida.

FSEC/UCF ♦ 1679 Clearlake Road ♦ Cocoa, Florida 32922 ♦ (321) 638-1426 ♦ Fax (321) 638-1010 ♦ www.fsec.ucf.edu

STORTED IN



System Schematic



Enjoy Year-Round Leisure Living. Reviewed for Code Compliance Universal Engineering Sciences



8. Mounting the Solar Panels Using Gator Clamps.

The beauty of the "gator clamp" installation method is its simplicity it can be used on just about any type of roof or rack installation.

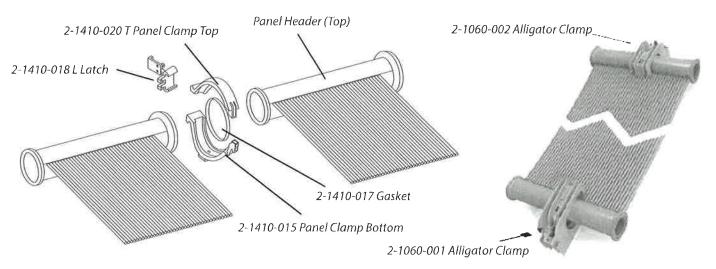


Fig. 8.1

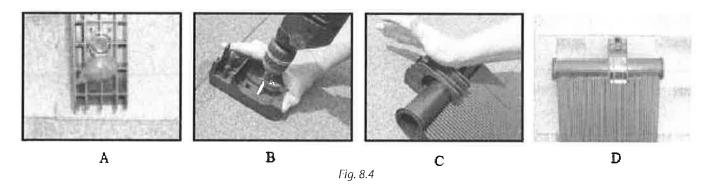
For rack systems, asphalt shingle roofs, or tile roofs follow these simple steps:

- **1.** Snap a chalk line across the roof or rack where you want the top edge of the collectors to be located. The panels should slope slightly down toward the feed end of the array for proper drainage.
- **2.** Position the first gator clamp on the chalk line 6" from the top corner of the first panel. The first panel will be the one that is connected to the feed line at the bottom header.
- 3. Subsequent gator clamps should be spaced out evenly along the chalk line every 24". Each gator clamp can be located anywhere along the top header to match up to the spacing of the roof rafters as long as there is a 2" space between the edge of the gator clamp and the ribs on the panel header that exist every one foot. This allows for horizontal expansion and contraction. For barrel tile roofs, each gator clamp needs to be positioned so that it is centered on the top ridge of a tile.
- 4. Since normal horizontal expansion and contraction of an array of panels takes place every day as panels heat up and cool down, it is preferable to lock the center of each array in place so that the expansion and contraction takes place evenly to the left and right of this center point. The center panel of an array may be locked in place by locating the gator clamps on that panel adjacent to the left and right of one of the header ribs (see Fig. 8.3, page 15). These gators should be attached using (2) lag bolts as opposed to (1). Do not use this procedure more than once on any array of panels.





8. Mounting the Solar Panels Using Gator Clamps. - Cont.



NOTE: *Additional gator clamps are required for surfaces with a pitch of 10/12 or greater.

NOTE: To allow for vertical expansion and contraction, any gators installed on the bottom header must be positioned so that the header is in the middle of the cradle. (Fig. 8.6).

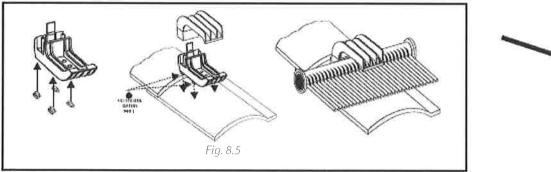




Fig. 8.6

