PremiumCAD Design Request Form

Project Name:

^①Project Info→ ^②Structural Info→ ^③ Electrical Info

PROJECT INFORMATION										
ASTERISK COLOR CODE KEY										
* = Required Field * = Account Preference										
HOMEOWNER INFORMATION	AHJ INFORMATION									
First Name:*	AHJ Name:*									
Last Name:*	Utility Name:*									
Address:*										
	Special AHJ/Utility Requirements (If Known)									
City, State, Zip:*										
Project's Assessor's Parcel #:										
CONTRACTOR INFORMATION										
Company Name:*										
Phone:*										
Address (Street, City, State, Zip):*	Snow & Wind Loads (If Known)									
	Snow Load:									
	Wind Load:									
License Numbers:*	will Lodd.									
PROJECT MANAGER	Project (Site) Photos Checklist:									
PROJECT MANAGER First Name:*	Photos will be used to understand site conditions and project site and are essential to generate an accurate permit package.									
	Outility Meter Location (Zoomed out View)*									
Last Name:*	○ Main Service Panel Location*									
Phone:*	O Close-up of Main Service Panel Label*									
Application Towart	O Close-up of Main Breaker									
Application Type:* Please select the appropriate racking application types.	O Close-up of Main Breaker Label									
Tilt-Up Flush-Mount Integrated Racking	O Sub-Panel Main Breaker (If used)									
O Theop O Thush-would O integrated Kacking	O Sub-Panel Location (If used)									
Engineering Stamps:	O Subpanel Location (If used)									
Structural Only Stamp	O Close-up of Sub-Panel Breaker Label									
Electrical Only Stamp	O Proposed Inverter Location (Zoomed out View)									
Structural & Electrical Both	O Array Location(s) (if possible)									
	O Entire Roof with Obstructions (If possible)									
Wet Stamps / Hard Copy No. Of Copies:	O Ground Mount Location (If applicable)									
Delivery Address:	Rafter/Truss Size and Spacing (Show tape mesure in photo if possible)									
	O Attic Space - Show existing roof rafter/truss for each roof structure (Show tape measure if possible)*									

[®]Project Info→[®]Pitched Roof Structural Info→[®]Electrical Info

ARRAY 1 - PITCHED ROOF APPLICATIONS

PITCHED ROOF & STRU	JCTURAL INFO	RACKING INFO
Roof Material:*		Attachment Type:*
Please select the appropriate roof mat	erial from the options below.	O Flashed L-Foot O Tile Hook O Standoff
(Asphalt) shingles	Standing Seam Metal	O Integrated intoRacking O Standing Seam Clamp
Corrugated Metal	Clay S-Tile	O Corrubracket Other:
Flat Tile	Rubber Membrane	O Contablacket O Other.
Wave Tile	Other:	Racking Manufacturer:*
Wood Shake		
Layers of Roof Material		Racking Model:*
One O Two		
Structure Type:*		Attachment Manufacturer:*
Please select the appropriate Structure	Type from the options below.	
Truss (Wood)	Knee Wall + Collar Tie	Attachment Model:*
Metal Beam Supported	Collar Tie (Wood)	
Interior bearing wall— (Wood)	Single Span Rafter (Wood)	
Purlins	Wood Supported Strut	Maximum Rail Span:*
Knee Wall	Steel Frame	Please select the default maximum distance between mounting points accross the rail layout used for this project.
Rafter Size:*		○ 16" ○ 24" ○ 32" ○ 48" ○ 72" ○ 96" ○ Other:
O 2x4 O 2x6 O 2x8 O 2x10	O Other:	Pitch (Degrees):*
Rafter Spacing:*		Azimuth(s):*
Please select the typical distance between		Azimacii(3).
\(\)12" \(\)14" \(\) 16" \(\) 24" \(\) 4	3" Other:	
Roof Structure Measureme	nts:*	
A: B:		
B B	В	

ARRAY 2 - PITCHED ROOF APPLICATIONS (Only if roof structure is different)

PITCHED ROOF & STRUCT	URAL INFO	RACKING INFO
Roof Material:*		Attachment Type:*
Please select the appropriate roof mate	rial from the options below.	O Flashed L-Foot O Tile Hook O Standoff
(Asphalt) shingles	Standing Seam Metal	O Integrated intoRacking O Standing Seam Clamp
Corrugated Metal	Clay S-Tile	O Corrubracket O Other:
Flat Tile	Rubber Membrane	O contactación O curon
Wave Tile	Other:	Racking Manufacturer:*
Wood Shake	_	
Layers of Roof Material		Racking Model:
One O Two		
Structure Type:*		Attachment Manufacturer:*
Please select the appropriate Structure	Type from the options below.	
Truss (Wood)	Knee Wall + Collar Tie	Attachment Model:*
Metal Beam Supported	Collar Tie (Wood)	Attachment Model:
Interior bearing wall—	Single Span Rafter	
(Wood)	(Wood)	Maximum Rail Span:*
Purlins — — —	Wood Supported Strut	Please select the default maximum distance between mounting points
Knee Wall	Steel Frame	accross the rail layout used for this project.
Rafter Size:*		○ 16" ○ 24" ○ 32" ○ 48" ○ 72" ○ 96" ○ Other:
O 2x4 O 2x6 O 2x8 O 2x10	0.044	Pitch (Degrees):*
O 2X4 O 2X6 O 2X8 O 2X10	Otner:	
Rafter Spacing:*		
Please select the typical distance between	een each rafter (in inches):	Azimuth(s):*
O 12" O 14" O 16" O 24" O 48	" Other:	
Roof Structure Measuremen	nts:*	
Λ	_	
A: B:		
B B B A A A	B B B B B B B B B B B B B B B B B B B	

^① Project Info → ^② Structural Info → ^③ Electrical Info

ELECTRICAL INFORMATION

Module Manufacturer & Model Number: Module Manufacturer: Module Manufacturer: Model Number: Quantity: Quantity: String/Micro Manufacturer & Model Number: Inverter Manufacturer: Model Number: Quantity: Model Number: Quantity: Mire Transition Enclosure: Please select the appropriate wire transition enclosure between modules and inverter. Model Number: Quantity: Combining AC Circuits: Optimizer Manufacturer & Model Number (If Applicable): Optimizer Manufacturer: Model Number: Quantity: Select how to combine the inverter(s) AC outputs. Multiple inverters or micros only. Soladeck (Rooftop) (N) AC Panel Board Dexisting Subpanel Service AC Disconnect: Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. Oytilize Integrated DC Disconnect Quality Disconnect Location: Please describe the Utility Disconnect location.	NEW EQUIPMENT INFORMATION	Inverter Location:*											
Module Manufacturer: Combining AC Circuits:* Select how to combine the Inverter(s) AC outputs. Multiple inverters or micros only. Combining AC Circuits:* Combining AC Circuits:* Combining AC Circuits:* Select how to combine the Inverter(s) AC outputs. Multiple inverters or micros only. Combining AC Circuits:* Combining AC Circuits:* Select how to combine the Inverter(s) AC outputs. Multiple inverters or micros only. Combining AC Circuits:* Combining AC Circuits:* Combining AC Circuits:* Select how to combine the Inverter(s) AC outputs. Multiple inverters or micros only. Combining AC Circuits:* Combining AC Circuits:* Select how to combine the Inverter(s) AC outputs. Multiple inverters or micros only. Combining AC Circuits:* Combining AC Circuits:* Select how to combine the Inverter(s) AC outputs. Multiple inverters or micros only. Combining AC Circuits:* Combining AC Circuits:* Combining AC Circuits:* Select how to combine the Inverter(s) AC outputs. Multiple inverters or micros only. Combining AC Circuits:* Combining		Please select intended location of inverter and electrical equipment.											
Andel Number: Quantity: 3. Other. NE	Module Manufacturer & Model Number:*	1. O Exterior O Interior											
Quantity: 3. North South East West NE NW SE SW String/Micro Manufacturer & Model Number: Inverter Manufacturer: Model Number: Quantity: Combining AC Circuits: Select how to combine the inverter(s) AC outputs. Multiple inverters or micros only. Optimizer Manufacturer: Model Number: Optimizer Manufacturer & Model Number (If Applicable): Optimizer Manufacturer: Model Number: Optimizer Manufacturer: Select how to combine the inverter(s) AC outputs. Multiple inverters or micros only. Soladeck (Rooftop) (N) AC Panel Board Existing Subpanel Service AC Disconnect: Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. Inverter DC Disconnect Options (If Applicable): O Utilize Integrated DC Disconnect Utility Disconnect Location: Please describe the Utility Disconnect location.	Module Manufacturer:	2. O House O Garage O Barn O Pole Mounted											
Quantity: 3. North South East West NE NW SE SW String/Micro Manufacturer & Model Number: Inverter Manufacturer: Model Number: Quantity: Combining AC Circuits: Optimizer Manufacturer & Model Number (If Applicable): Optimizer Manufacturer: Model Number: Quantity: Select how to combine the inverter(s) AC outputs. Multiple inverters or micros only. Soladeck (Rooftop) (N) AC Panel Board Existing Subpanel Service AC Disconnect: Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. Optimizer DC Disconnect Options (If Applicable): Optimizer Manufacturer: Model Number: Quantity: Service AC Disconnect: Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. Utility Disconnect Location: Please describe the Utility Disconnect location.	Model Number	Other:											
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Model Number: Quantity: Combining AC Circuits:* Select how to combine the inverter(s) AC outputs. Multiple inverters or micros only. Optimizer Manufacturer: Optimizer		Please select the appropriate wire transition enclosure between											
Optimizer Manufacturer & Model Number (If Applicable): Optimizer Manufacturer & Model Number (If Applicable): Optimizer Manufacturer: Optimizer Manufacturer: Model Number: Quantity: Service AC Disconnect:* Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. Inverter DC Disconnect O Utilize Integrated DC Disconnect Utility Disconnect Location:* Please describe the Utility Disconnect location.													
Optimizer Manufacturer & Model Number Select how to combine the inverter(s) AC outputs. Multiple inverters or micros only. Optimizer Manufacturer: Soladeck (Rooftop) (N) AC Panel Board Existing Subpanel Model Number: Service AC Disconnect:* Quantity: Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. Inverter DC Disconnect Options (If Applicable):* Yes (No O Utilize Integrated DC Disconnect Utility Disconnect Location:* Please describe the Utility Disconnect location.	Quantity:												
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Optimizer Manufacturer: Model Number: Quantity: Service AC Disconnect:* Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. Inverter DC Disconnect Options (If Applicable):* O Utilize Integrated DC Disconnect Utility Disconnect Location:* Please describe the Utility Disconnect location.	·												
Model Number: Quantity: Service AC Disconnect:* Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. Inverter DC Disconnect Options (If Applicable):* O Utilize Integrated DC Disconnect Utility Disconnect Location:* Please describe the Utility Disconnect location.		O Soladeck (Rooftop) O (N) AC Panel Board											
Quantity: Service AC Disconnect:*		O Existing Subpanel											
Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. O Utilize Integrated DC Disconnect O Utilize Standalone DC Disconnect (Rooftop or Ground Array) Typically the utility requires a lockable utility disconnect for the AC output in case of an emergency or service. O Yes O No Utility Disconnect Location:* Please describe the Utility Disconnect location.													
Inverter DC Disconnect Options (If Applicable):* O Utilize Integrated DC Disconnect Utilize Standalone DC Disconnect (Rooftop or Ground Array) O Utilize Standalone DC Disconnect (Rooftop or Ground Array)	Quantity:												
O Utilize Integrated DC Disconnect Utility Disconnect Location:* Please describe the Utility Disconnect location.													
O Utilize Standalone DC Disconnect (Rooftop or Ground Array) Please describe the Utility Disconnect location.	Inverter DC Disconnect Options (If Applicable):*	○ Yes ○ No											
O Utilize Standalone DC Disconnect (Rooftop or Ground Array) Please describe the Utility Disconnect location.	O Utilize Integrated DC Disconnect												
1 () Exterior () Interior	O dulize standardie DC disconnect (Roontop of Ground Array)												
1. () Exterior () Interior Standalone DC Disconnect Location (If Used):	Standalone DC Disconnect Location (If Used):												
2. O House O Garage O Barn O Pole Mounted 1. O Exterior O Interior O Next to Utility Meter O Other:	1 O Eutorian O Interior												
		Next to offlitty Meter Offlier.											
2. O House O Garage O Barn O Pole Mounted 3. O North O South O East O West		3. North South East West											
O Rooftop O At Ground Array		ONE ONW OSE OSW											
Other:	Other:												
3. North South East West	3. North South East O West												
Is there a PV Revenue Meter? The Production meter measures and tracks the production for the solar array.	ONE ONW OSE OSW												
Yes No (Net Meter)	·	O Yes O No (Net Meter)											

ELECTRICAL INFORMATION (Continued) Interconnection Location* Location of PV Meter:* Select the location of the PV meter in reference to the AC disconnect. Please select the electrical location the tap will occur. Between inverter and disconnect Existing Main Electrical New Tap Box O Between disconnect and point of interconnection (MEP, Tap, Etc.) Panel (MEP) Automatic Transfer **Existing Meter** Switch (ATS) **EXISTING EQUIPMENT INFORMATION** Existing Sub-Panel New Sub-Panel Meter Main Combo?* Renewable Meter Adapter New Main Electrical (RMA) at Meter Panel Upgrade (Yes (No (E)xisting Meter Location:* Main Electrical Panel Rating:* Write the Bus and main circuit breaker rating. 1. C Exterior (Interior Bus Rating (amps): 2. OMEP Location OPole Mounted Other: Main Breaker Rating (amps): Are there spaces available in the panel? 3. O North O South O East **O** West O NW O NE ○ SE Osw Main Breaker Location:* *Location of the Pole in relation to the house: O Top-fed O Center-fed O Bottom-fed *For pole mounted utility meters and main electrical panels. Cardinal Direction: Main Electrical Panel Location:* Please select where the Main Electrical Panel is located. Distance: 1. C Exterior Interior 2. O House O Garage O Barn O Pole Mounted **Utility Entrance:*** Other: Overhead Ounder Ground 3. O North O South O East Existing Electrical Grounding:* ○ NE O NW SE O sw Current or Original Bond of existing electrical system? Please select from the options below. (N)ew Main Breaker Derating or Panel Upgrade: (

Write the new ratings that the main breaker will be derated to

Bus Rating (amps): Main Breaker Rating (amps):

Interconnection Strategy:*

Please select the appropriate interconnection strategy from the choices below: Panel upgrades or choose "Backfeed Breaker".

Backfeed Breaker O Derate Main Breaker O Line Side Tap O Load Side Tap

Ground Rod	O Ufer	O Cold Water Pipe	

Project Notes & Special Requirements:

A rough sketch or drawing of the solar panel layout on the project residence or site including roof measurements where possible and plan for equipment locations from the provided key. This sketch will				ш			BOARE		\sim		EVEN				X ROOF OBSTRUCTION												
be used to create the base site plan and array layout. OI placed the modules on the roof sketch below							DSW DC DISCONNECT						JB JUNCTION BOX														
	want							elow				_					_	,									
	he Sa							e doc	umer	nt																	
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I DC/AC INVERTER

Sales Sketch:*

(E) UTILITY METER

M1) MODULE #