		Solar Permit Application Pg	g. 1
JOB SIT	ΓE ADDRI	ESS	
NAMF	OF BUILT	DING OWNER	
JOB VA	LUATION	1	
		Name	
Installation Contractor		Address	
		City	
		State License No.	_ Phone
Requir	ed inforn	nation for permit:	
•		n showing location of major components on	If location of the solar resource on the roof requires installation within three feet of
	-	perty and a framing cross section that	sides or ridge, check with building official to
		es type of support (rafter or truss), spacing,	determine if fire service review is needed.
		nension, and approximate roof slope. The	
	=	s need not be exactly to scale, but it should rep	resent relative location of
	_	ents. PV arrays on dwellings with a ridge requir	
	•	ay not need a separate fire service review. On fl	
		round equipment mounted on the roof.	астоло, а ота ротписот то то
2.	•	ation sheets and installation manuals for all ma	nufactured components
	•	g, but not limited to, PV modules, inverter(s), co	•
		ng system.	omomer box, disconnects, and
3		anages electric permit process - Electrical diagr	am showing PV array
٥.	•	ration, wiring system, overcurrent protection, in	
	_	nd AC connection to building (see accompanying	•
	signs, ai	id Ac connection to building (see accompanying	s standard electrical diagrams.
Sten 1	Structu	ral Review of PV Installation Mounting	
System		and the state of t	For truss systems, additional information
-		of supporting the installation a pitched roof	may be needed to ascertain the truss' design loads. The SolarStruc tool (http://
		condition, without visible sag or deflec-	www.growsolar.org/wp-content/up-
	_	cracking or splintering of support, or other	loads/2012/06/Solarstruc-2.2.xls) allows contractors to calculate truss capacity for
		al structural defect?	solar installations. Please contact the
2.	•	of a rafter system? \textsqrape Yes \textsqrape No	building official for standards on when structural analysis will be needed.
3.		quipment to be flush-mounted to the roof	
٥.		at the collector surface is parallel to the roof?	 Tyes □No
4.		of type lightweight? \square Yes (composition, lightwe	
5.		e roof have a single layer of roof covering?	

Solar Permit Application Pg. 2

If "No" to any of questions 1 -4, additional documentation may be required. Documentation may need to demonstrate the structural integrity of the roof and all necessary structural modifications needed to maintain integrity. A statement stamped by a Illinois licensed/certified structural engineer certifying integrity may be needed. Contact the building official to determine submittal requirements.

6. Identify method and types of weatherproofing for roof penetrations (e.g. Flashing, caulk).

Mounting System Information:

7. Is the mounting structure an engineered product designed to mount PV modules with no more than an 18" gap beneath the module frames?

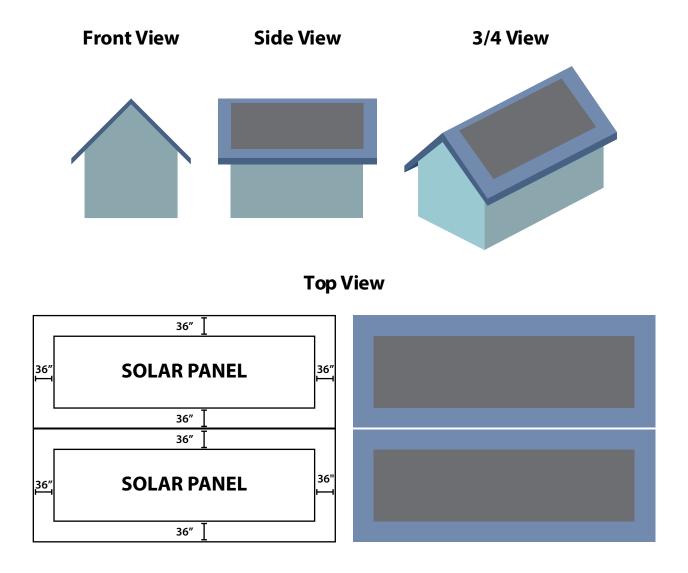
If No, provide details of structural attachment certified by a design professional. Manufacturer's engineering specifications are sufficient to meet this requirement.

8.	For manufactured mounting systems, fill information on the mounting system be		
	a.	Mounting System Manufacturer	
	b.	Product Name and Model #	
	c.	Total Weight of PV Modules and Rails lbs	
	d.	Total Number of Attachment Points	
	e.	Weight per Attachment Point lbs	
	f.	Maximum Spacing between Attachment Points on Rail inches (see	
		manual for maximum spacing allowed based on maximum design wind speed).	
	g.	Total Surface Area of PV Modules (Square Feet) ft2	
	h.	Distributed Weight of PV Module on Roof (c/f) lbs/ft2	

Attaching the rail to each rafter or truss that passes under the array, or to blocking installed between each support, may serve to mitigate for any structural uncertainties on older roofs or wind loading concerns. This approach is used by other Midwestern cities based upon engineering studies conducted with their building stock. Contact the building official to determine requirements.

If distributed weight of the PV system is greater than 5 lbs/ft2, a study or statement demonstrating the structural integrity of the installation, or a statement stamped by an Illinois licensed/certified structural engineer, may be required. Contact the building official to determine requirements.

Solar Permit Application - Sample Placements of Solar Panels Pg. 3



Solar Panel locations apply to both RIDGE and FLAT roofs

Solar Permit Application Pg. 4

Step 2: Electrical Review of PV System

Please ensure the installation meets these requirements to be issued an electric permit to install solar panels. If the installation does not meet these requirements, additional information may be requested by the permit official.

- 1. PV modules, utility-interactive inverters, and combiner boxes are identified for use in PV systems.
- 2. The PV array is composed of 4 series strings or less per inverter.
- 3. The total inverter capacity has a continuous AC power output 13,440 watts or less
- 4. The AC interconnection point shall be on the load side of service disconnecting means.
- A standard electrical diagram should be used to accurately represent the PV system.
 Acceptable diagrams, in interactive PDF format, are available at www.solarabcs.org/permitting.

Fill out the standard electrical diagram completely. A guide to the electrical diagram is provided at www.solarabcs.org/permitting to help the applicant understand each blank to fill in. If the electrical system is more complex than the standard electrical diagram can effectively communicate, provide an alternative diagram with appropriate detail.

Step 3: Permit fee for residential installations
Fees
Additional Inspection \$50.00
(Per inspection, when needed)
TOTAL FEE = \$
RECEIPT NO
DATE
I HEREBY CERTIFY that I have completed and examined this application and certify that the information contained therein is correct. If a permit is issued, I agree all work will be done in conformance with all applicable ordinances and codes of the Village of Bridgeview and laws of the State of Illinois.
CONTRACTOR OR AUTHORIZED/HOMEOWNER