Solar Permit Application Pg. 1						
JOB SI	TE ADDRE	ESS				
NAME	OF BUILD	DING OWNER				
JOB VA	ALUATION					
		Name				
Installation Contractor		Address				
		City	_ State Zip			
		State License No		_ Phone		
Requir	ed inform	nation for permit:				
1.	Site plan showing location of major components on			If location of the solar resource on the roof requires installation within three feet of		
	the prop	erty and a framing cross section that			, check with building official to	
	identifie	s type of support (rafter or truss), spac	ing,	determine ii ii	ire service review is needed.	
	span din	nension, and approximate roof slope. T	he '			
drawings need not be exactly to scale, but it should represent re						
	ridge and sides may					
not need a seperate fire service review. On flat roofs, a 3ft. perimeter is req						
		ent mounted on the roof.				
2. Specification sheets and installation manuals for all manufactured components					•	
		g, but not limited to, PV modules, inver	rter(s), co	ombiner bo	x, disconnects, and	
		ng system.				
3. If city manages electric permit process - Electrical configuration, wiring system, overcurrent protections in the configuration.				, inverter, disconnects, required		
_						
•		al Review of PV Installation Mounting	For truss systems, additional information			
Systen		c		may be neede	ed to ascertain the truss'	
1.		of supporting the installation a pitched			The SolarStruc tool (http:// ar.org/wp-content/up-	
		condition, without visible sag or deflec	πon,		6/Solarstruc-2.2.xls) allows	
2		ing or splintering of support, or other			calculate truss capacity for ions. Please contact the	
	•	of a refter system?			al for standards on when lysis will be needed.	
		of a rafter system?	oof	Structural alla	iysis will be fleeded.	
4.		quipment to be flush-mounted to the root to the root to the	<u> </u>		<u> </u>	
such that the collector surface is parallel to the roof? \square Yes \square No 5. Is the roof type lightweight? \square Yes (composition, lightweight masonry, metal, etc) \square No						
		e roof have a single layer of roof coveri			y, Illetai, etc) LINO	
0.	טטטט נוונ	s root have a single layer of foot covern	118: LJ 1	c2 110		

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.

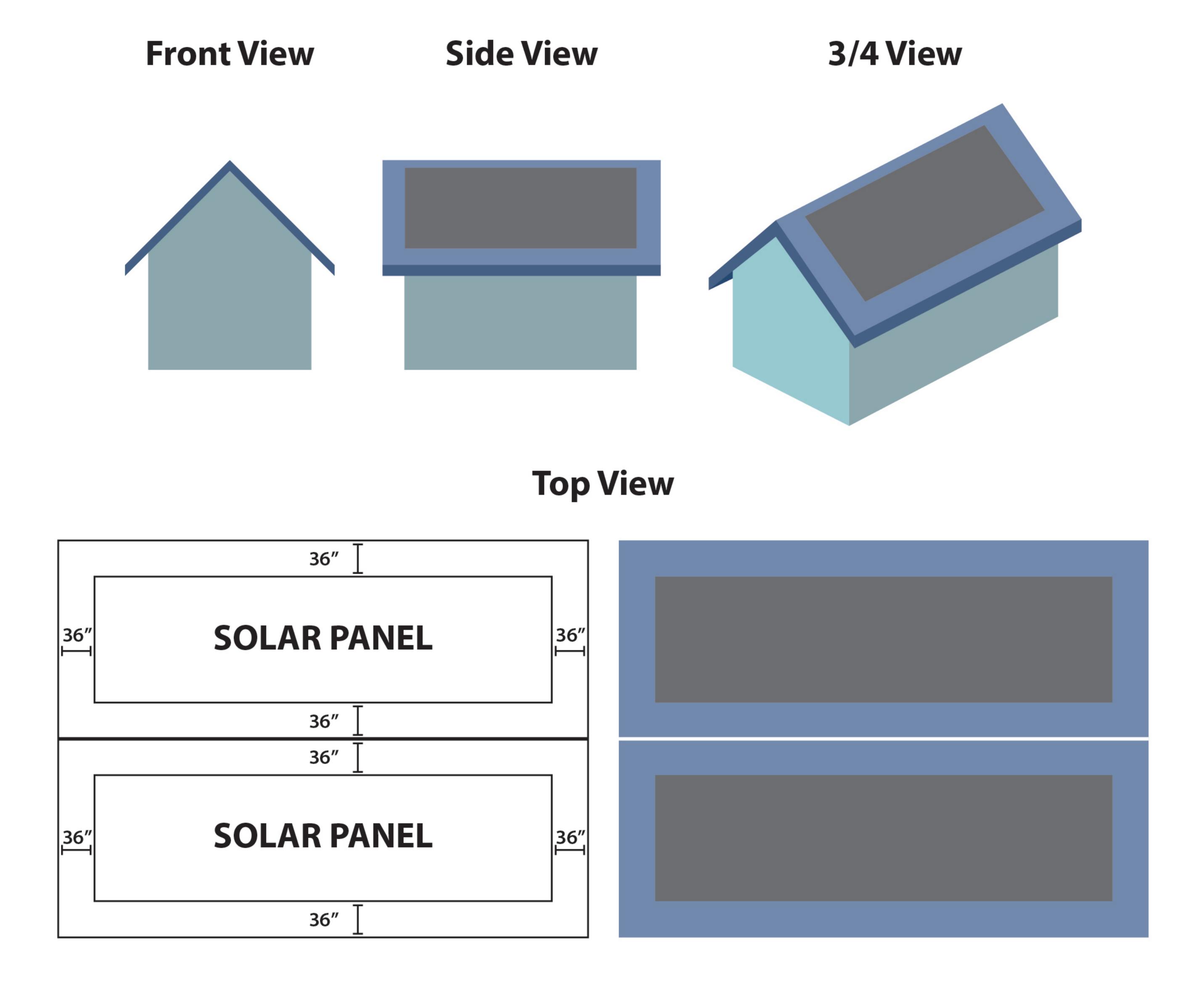
8.	Foi	r manufactured mounting systems, fill information on the mounting system below:
		Mounting System Manufacturer
	b.	Product Name and Model #
	c.	Total Weight of PV Modules and Rails lbs
	d.	Total Number of Attachment Points
	e.	Wight per Attachment Point lbs
	f.	Maximum Spacing between Attachment 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 document the following information to be issued an electric permit. If the installation does not meet the following thresholds, additional information may be needed, as 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 is on the load side of service disconnecting means (NEC 2011 705.12(D), NEC 2008 690.64(B)).
- 5. 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 all 4 pages of this application and certife 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