

COMMUNITY DEVELOPMENT 2660 CIVIC CENTER DR. • ROSEVILLE, MN 55113 651-792-7080

ROOFTOP SOLAR PV PANEL PERMIT CHECKLIST

Checklist

☐ Bui	lding Permit (Online Portal)				
☐ Elec	ctrical Permit. Submit with Building Permit. (Online Portal)				
□ Bas	sic site plan and details of location on roof or property (see Appendix 1 for examples)				
□ Eng	☐ Engineering documentation for structural load and wind resistance.				
☐ Proof of Structural Compliance.					
	■ MN Department of Labor & Industry: " <u>Standardized Load Tables Characterizing Residential Solar</u>				
	Thermal and Solar Electric Installations For Residential Structures in Minnesota"				
	See Appendix 2 "Structural Review of PV Installation Mounting System & Roof"				
\square Process and application for conditional use permits may be found <u>here</u> .					

<u>Application Submittal</u>. Complete and thorough applications for small rooftop solar PV permits will be processed in 1-3 business days. The permit application may be submitted for review via online.

- Online Portal: www.cityofroseville.com/epermits

The city accepts payments in the form of Check / eCheck / Credit Card.

Building Permit Fee: The building permit is 1.28% of the job valuation or a minimum of \$160.00.

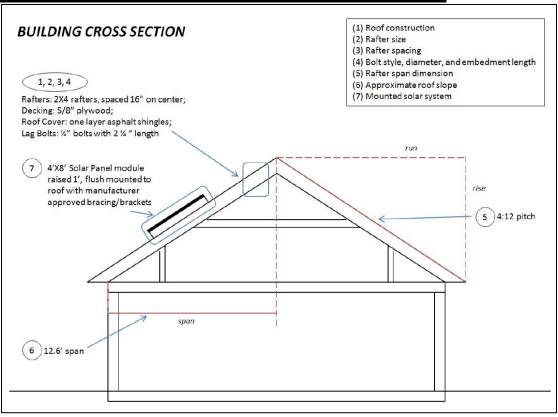
Electrical Permit Fee: The electrical permit is a minimum of \$50.00, but changes upon the amount of service necessary for the system (based on amps), and the inspection fees.

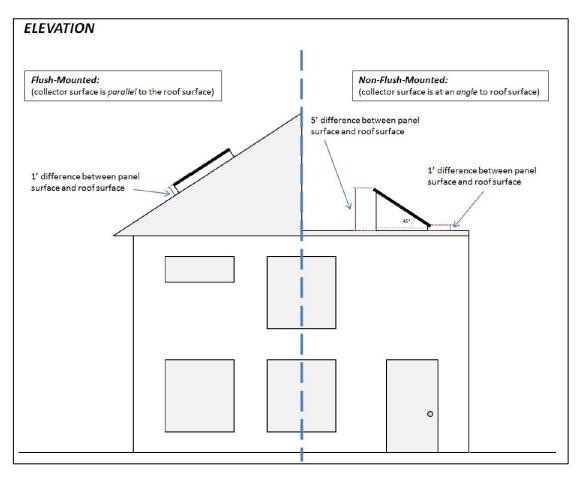
<u>Electrical Permit Service Fee</u>: The City of Roseville works with an Electrical Inspector on contract, and their service fees are shown below.

Contract Electrical Inspector Fees	Current Amount	
0-5 kW	\$ 90.00	
5.1 – 10 kW	\$ 150.00	
10.1 - 20 kW	\$ 225.00	
20.1 - 30 kW	\$ 300.00	
30.1 – 40 kW	\$ 375.00	
40.1 kW and larger	\$ 25.00 for each	
	additional 10 kW	

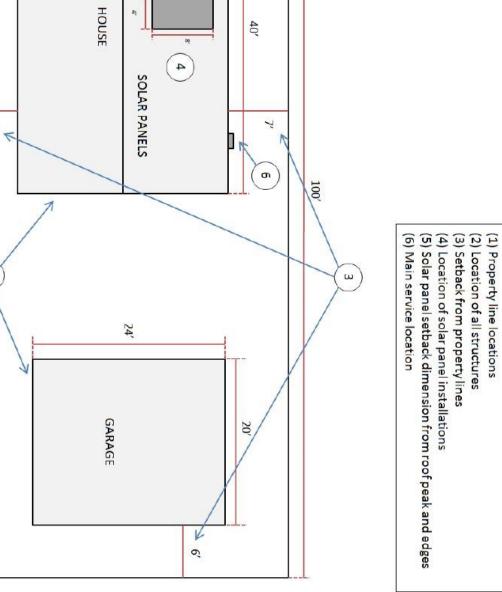
Electrical Permit Fee Description (Services, changes for services)	Current Amount	
Minimum fee	\$ 50.00	
0 – 300 amp	\$ 55.00	
Add \$16 for every additional 1		

Appendix 1: Basic Site Plan and Location Details





SITE PLAN



40'

26'

Appendix 2

Structural Review of PV Installation Mounting System & Roof

(MN DoLI - Great Plains Institute's "Solar Permitting Toolkit for MN Municipalities")

1.	. Is the roof supporting the installation a pitched roof in good condition, without visible sag or deflection, no crac or splintering of support, or other potential structural defect? YES NO								
2.	Is the r	roof a rafter system*? YES	□NO	*For truss systems, add to establish the truss'	=	=			
3.	collect	equipment to be flush-mounted to or surface is parallel to the roof? YES NO	the roof such that the	(https://www.growsolar.org/wp.content/uploads/2012/					
4.	Is the r	roofing type lightweight?	YES (composition,	lightweight masonry,	metal, etc)	NO			
5.	Does the	the roof have a single layer roof co If "No" to any of questions 1 -4 demonstrate the structural integ integrity. A statement stamped b needed. Contact the building off	above, additional doci crity of the roof and all by a Minnesota licensed	necessary structural m l/certified structural en	odifications neede	ed to maintain			
6.	Identify method and types of weatherproofing for roof penetrations (e.g. flashing, caulk):								
7.	Is the mounting structure an engineered product designed to mount PV modules with no more than an 18" gap beneath the module frames? YES NO - 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 below**: a. Mounting System Manufacturer								
			·						
	c.	Total Weight of PV Modules an	nd Rails	lbs					
	d.	Total Number of Attachment Poarray) e. Weight per Attachmen	oints(att	achment points must b	e equally distribut	ted across the			
	f.	Maximum Spacing between Att maximum spacing allowed base	achment Points on a Ra	nilind	ches (see product i	manual for			
	g.	Total Surface Area of PV Modu	les (square feet)	ft2					
	h.	Distributed Weight of PV Modu		lbs/ft2 o					
		 If the outcome of e. is good demonstrating the structure licensed/certified structure requirements 	tural integrity of the in	stallation, or a stateme	ent stamped by a M	I innesota			
		Attaching the rail to each rafter opport, may serve to mitigate for a	·	• •	-				
	app	proach was used by Minneapolis ck. Contact the building official to	and Saint Paul based u	pon engineering studie	_				