JOB SITE ADDRESS _____

NAME OF BUILDING OWNER _____

JOB VALUATION _____

Installation Contractor	Name _____ Address _____ Cit _____ State_____Zip _____ State License No._____Phone _____

Required Information for Permit:

1. Site plan showing location of major components on the property and a framing cross section that identifies type of support (rafter or truss), spacing, span dimension, and approximate roof slope. The drawings need not be exactly to scale, but it should represent relative location of components. PV arrays on dwellings with a 3' perimeter space at ridge and sides may not need separate fire service review.

2. Specification sheets and installation manuals for all manufactured components including, but not limited to, PV modules, inverter(s), combiner box, disconnects, and mounting system.

Structural Review of PV Installation Mounting System

1. Is the roof supporting the installation a pitched roof in good condition, without visible sag or deflection, no cracking or splintering of support, or other potential structural defect?
   Yes No

2. Is the roof a rafter system? Yes No

3. Is the equipment to be flush-mounted to the roof such that the collector surface is parallel to the roof? Yes No

4. Is the roofing type lightweight? Yes (composition, lightweight masonry, metal, etc…) No

5. Does the roof have a single layer roof covering? Yes No

   If "No" to any of questions 1 -4 above, 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 Minnesota 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? 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 _____
   b. Product Name and Model #_____
   c. Total Weight of PV Modules and Rails_____lbs
   d. Total Number of Attachment Points_____
      (attachment points must be equally distributed across the array)
   e. Weight per Attachment Point (c÷d) _____ lbs
   f. Maximum Spacing between Attachment Points on a Rail_____inches
      (see product 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÷g)_____lbs/ft2

Permit fee for residential installations

_____ Fees $50

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 this City and laws of the State of Minnesota.

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