



COMMERCIAL

ALTERNATIVE ENERGY SOURCE Solar Photovoltaic Permit Application

Property Address _____

Description of Work _____ Construction Value _____

Property Owner _____

Address _____ City: _____ State: _____ Zip: _____

Applicant/Contact _____

Telephone _____ Email _____

Electrical Contractor _____

Address _____ City: _____ State: _____ Zip: _____

Telephone: _____ Email _____

Solar System Installer _____

Address _____ City: _____ State: _____ Zip: _____

Telephone _____ Email _____

Submittal Requirements for Commercial Solar PV (Photovoltaic) System Application:

Drawing submittal: (4) copies each set

- Cover sheet with location map, sheet index, applicable codes, PV system size, number of pv panels to be installed, required State of IL architect and/or structural design seals. Code information regarding the existing building the pv system will serve (construction type, occupancy, number of stories, fire sprinkler system). All plans must be to scale with a north arrow. Project address/title block on each sheet.
- Site plan with property lines and accurate tree location/information for ground-mount. Ground-mounted systems designed per *IBC Ch.16 and IFC Sect 1204*. All views – plans, elevations and details.
- Roof plan(s) containing all existing mechanical equipment, plumbing vents, etc. and proposed panel layout with all dimensioned fire setbacks per *IFC Section 1204*.
- Documentation of the pv system's connection to the structure of the building as applicable, including framing plans, connections, details, structural calculations/load diagrams per *IBC Ch 16*.
- Electrical line diagrams showing array configuration, array wiring, combiner/junction box, conduit/wiring from array to inverter, DC grounding system disconnecting means, inverter, conduit/wiring from inverter to utility point of connection, AC grounding and system grounding, point of connection attachment method.
- Equipment specifications and manufacturer cut sheets, all equipment listed and labeled. Signage details.
- PV Installer requirements: credentials to comply with Northbrook amendment to the *NEC* (See Village of Northbrook Alternative Energy web page for details)