

Photovoltaic Solar Panel Systems (PV system)

Residential Installations (Electrical Permit)

Applicant must provide:

- Master Electrician credentials.
- A single line diagram for installation.
- Manufacturer specification data sheets.

Structural engineering involvement may be required at the Safety Codes Officer's discretion if the PV system installation is mounted on an unsafe structure or in an unsafe manner.

Electrical engineering involvement may be required at the Safety Codes Officer's discretion based on size of installation, type of installation or if it is an off grid system.

Commercial/Industrial Installations

All commercial installations will require both a building and electrical permit. If the building is new, the installation of a PV system will usually be incorporated into the overall design of the building and will include the required engineering. However, for an existing commercial/industrial building installing a PV system or upgrading their existing system, we will require an electrical permit, along with a building permit to ensure structural adequacy.

Note: When professional involvement is required from the respective design engineers, they will have to submit the appropriate Schedules from the National Building Code 2019 Alberta Edition. (Refer to Division C Appendix B of the Code, attached on the next page).

Appendix B

Schedules of Professional Involvement

B-2.4.3. and 2.4.4. Schedules of Professional Involvement. The Schedules are intended to clearly define the relationship between the owner of the building and the required professionals. They are also needed to show how the various professional disciplines will be coordinated. The coordination relates to both the design and site review of all aspects of the building.

The following Schedules are provided on the following pages:

- **Schedule A-1** Letter of Commitment by the Owner and Coordinating Registered Professional
- **Schedule A-2** Confirmation of Commitment by the Owner and Registered Professional of Record
- **Schedule B-1** Letter of Commitment by the Registered Professional of Record⁽¹⁾
- **Schedule B-2** Summary of Design and Field Review Requirements⁽¹⁾
- **Schedule C-1** Assurance of Compliance by the Coordinating Registered Professional⁽²⁾
- **Schedule C-2** Assurance of Professional Field Review and Compliance⁽²⁾

(1) Schedules B-1 and B-2 should be attached to the drawings and specifications submitted for a building permit.

(2) Schedules C-1 and C-2 should be submitted at the conclusion of the project.