



COMMUNITY SERVICES DEPARTMENT
Building and Zoning Division

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Lake Zurich, Illinois 60047

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At the Heart of Community

Building Department Plan Review

Date: July 3, 2023

Address:

Project: Solar

Reviewed By: David Modrzejewski
Plans Examiner

Ref. Codes: 2012 International Residential Code, 2011 National Electrical Code, Village of Lake Zurich Amendments

A review of the above noted project has been completed. The plans **COMPLY** with the requirements of the code with the following comments.

A copy of this letter must be attached to the permit drawings and be onsite for the inspector's use.

BUILDING:

1. Any deviation from the original plans submitted and approved shall be revised and submitted for review and approval prior to scheduling remaining inspections.

ELECTRICAL:

1. A working clearance of 30" wide and 36" clear in front shall be maintained.
2. Proper exterior fittings and material shall be used.
3. Supply side tap shall be in compliance with Lake Zurich amendment regarding material from the panel to the disconnect outside, or tap to overcurrent protection.
4. Heavy Wall Conduit: Heavy wall galvanized or heavy wall aluminum conduit or intermediate metal conduit shall be used on all services to the first disconnecting means. Revision of service shall conform to new service requirements.
5. Solar panel arrays shall maintain a common ground between all panels.
6. If any changes are made to the riser, meter pedestal, or service equipment, the changes shall be documented on the plans and submitted for review.
7. Panels/ modules installed on residential buildings with hip roofs and valleys shall be located no closer than 18 inches to a hip or a valley where panels are placed on both sides of the hip or valley.

8. Panels/ modules installed on residential buildings with hip roof layouts shall be located in a manner that provides a 3-foot-wide clear access pathway from the eave to the ridge on each roof slope where panels/ modules are located. The access pathway shall be located at a structurally strong location on the building capable of supporting the live load of the firefighters accessing the roof.
9. Panels/ modules installed on residential buildings shall be located no higher than 3 feet below the ridge in order to allow for fire department smoke ventilation operations.
10. Panels/modules installed on residential buildings with a single ridge shall be located in a manner that provides two, 3-foot-wide access pathways from the eave to the ridge on each slope where the panels/modules are located.

ALL APPROVED/REVISED BUILDING PLANS ARE REQUIRED TO BE ONSITE FOR INSPECTIONS.

Inspections required: Final

Call by 1:00 p.m., 2 days (48 hours) prior to the requested day of inspection. Include day of requested inspection; morning or afternoon and requested time frame. Also include permit number, type of inspection, name/phone number of person we should contact with any questions related to the inspection.