

COMMERCIAL IECC CODE ADOPTION OPTIONS

This document is intended to provide guidance for the IECC compliance options available and the documentation required based on those options.

The following options reference the following abbreviations:

CO MERSRC - Colorado Model Electric Ready Solar Ready Code

CO MLECC - Colorado Model Low Energy Carbon Code

[Link to Colorado Energy Office website](#)

OPTION 1 - 2021 IECC and CO MERSRC:

Minimum standard allowed, effective on June 30, 2026. Site plans must show orientation from north of solar ready zones. Square footage of solar ready zones must be specified. Electric ready features and electric vehicle ready spaces (if applicable) must be shown on plans.

OPTION 2 - 2024 IECC and CO MERSRC:

Requires the submission of an Alternate Materials and Method Application ([link](#)) to utilize the 2024 version of the IECC. Site plans must show orientation from north of solar ready zones. Square footage of solar Electric ready features and electric vehicle ready spaces (if applicable) must be shown on plans.

OPTION 3 - 2024 CO MLECC:

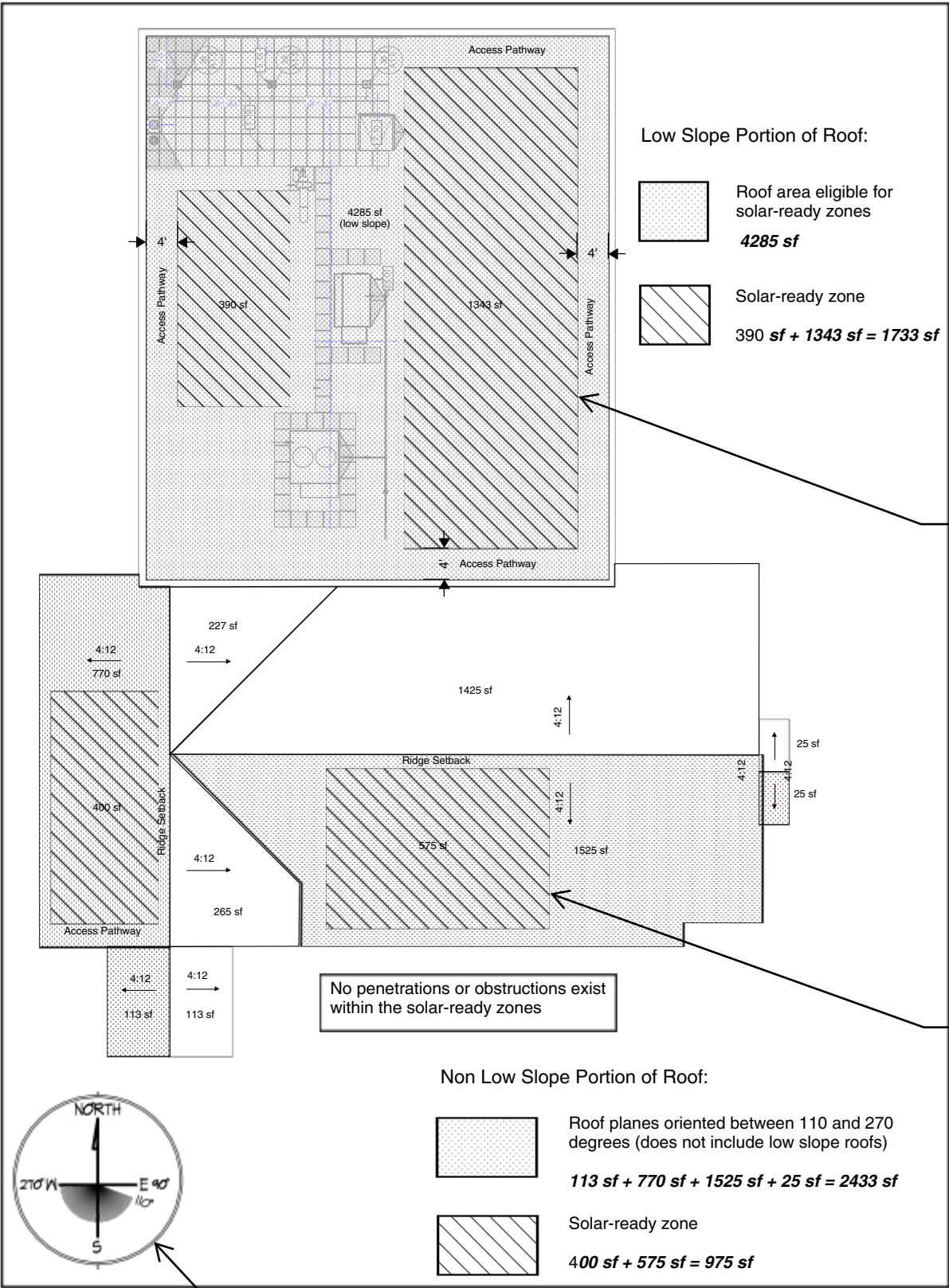
Requires the submission of an Alternate Materials and Method Application ([link](#)) to utilize the CO MLECC code which incorporates the 2024 IECC and CO MERSRC codes. Site plans must show orientation from north of solar ready zones. Square footage of solar ready zones must be specified. Electric ready features and electric vehicle ready spaces (if applicable) must be shown on plans.

Commercial Roof Plan with Solar-Ready Zone Example

Applies only to new commercial buildings and R-occupancies that are covered by the International Building Code, as well as major renovations* and major additions**

* Major Renovations is defined by PPRBD as IEBC Level 3 Alterations or a Change of Occupancy where the work area exceeds 50% of the building area

** Major Additions is defined by PPRBD as new attached square footage that exceeds 50% of the existing building area, exclusive of residential attached garages



The solar-ready zone for low slope roofs (less than 2:12 pitch) shall be composed of areas not less than 5 ft in the narrowest dimension and totaling not less than 40% of the roof area.

The solar-ready zone for non low slope roofs (greater than or equal to 2:12 pitch) shall be composed of areas not less than 5 ft in the narrowest dimension and totaling not less than 40% of the roof area oriented between 110 and 270 degrees from north

If any portion of the building has a roof slope greater than or equal to 2:12, the orientation must be indicated in degrees from north to determine if the solar-ready zone area is required, applicable, and sized correctly. Roof plane orientation will be determined by direction of the roof slope.