

**DRAFT DESIGN CRITERIA FOR ROOFTOP SOLAR INSTALLATIONS
IN THE ENTRANCE CORRIDOR OVERLAY DISTRICT
Revision #1**

General Goals

1. To the greatest extent possible, choose locations, mounting options, and design features that will minimize visibility of the facility from the EC street.
2. Panels and related items must not interfere with ~~existing~~ elements that contribute to the architectural composition, style or character of the building.

Solar Facilities Mounted on Pitched Roofs Must Have

1. Panels mounted in ~~an organized pattern a manner that establishes an orderly and coordinated appearance and~~ that avoids ~~multiple roofs~~, disjointed arrangements, and stair stepping.
 2. Panels located parallel to and set back a minimum of 12" from the ridge, eaves and edges of the roof.
 3. Panels mounted parallel to the ~~surface of the roof~~ plane.
 4. Panels of consistent size and color.
 5. Fixed, non-moveable panels.
 6. Panels mounted ~~flush to the surface of the roof or mounted~~ such that there is no more than 6" from surface of roof to the underside of the panel.
 7. Conduit, hardware, and related equipment located interior to the building or on walls not visible from the EC ~~whenever possible~~. If interior or invisible locations are not available, use matte finishes and colors consistent with the color of the surface to which the equipment is attached.
 8. Panels, frames and attached hardware in a consistent color, coordinated with the building whenever possible.
 9. Mounting systems that do not extend beyond the panels or the roof.
- NOTE: If solar panels are installed on roofs that are not visible from the Entrance Corridor street and in a manner that renders the installation not visible from the Entrance Corridor street, ARB approval of the design is not required. Documentation confirming lack of visibility will be required for staff review.

Solar Facilities Mounted on Flat Roofs Must Have

1. ~~May be installed in any configuration and set on an angle if the facility is entirely below the top of the parapet.~~
2. ~~1. Must have p~~ Panels arranged in an organized pattern ~~aligned with the edges of the roof that establishes a coordinated and orderly appearance consistent with the architecture if the facility is not entirely below the parapet.~~
3. ~~2. A m~~ Mounting design ~~must be that is~~ unobtrusive or ~~is must be~~ an element that complements the building.
3. Conduit, hardware, and related equipment located interior to the building or on walls not visible from the EC ~~whenever possible~~. If interior or invisible locations are not available, use matte finishes and colors consistent with the color of the surface to which the equipment is attached.

NOTE: If parapets or other parts of the building eliminate visibility of the solar installation as viewed from the Entrance Corridor street, ARB approval of the design is not required. Documentation confirming lack of visibility will be required for staff review.

Note: Solar parking canopies are not included in this category of Countywide Certificate of Appropriateness.

SELECTED IMAGES OF ROOFTOP SOLAR INSTALLATIONS

The images below were found in an internet search. Most of the examples show single family detached residences, which are typically not the subject of Entrance Corridor review. The images were chosen to illustrate the solar installation design issues referenced in the draft criteria.



A disjointed arrangement of panels.



A disjointed arrangement of panels, ~~on multiple roofs~~ some configured in a stair-step pattern.



Panels configured in a stair-step pattern.



Panels with multiple sizes, colors and orientations ~~on multiple roofs.~~



Panels extend to the edge of the roof and beyond.



Panels mounted more than 6" from the roof plane and not ~~mounted~~ parallel to the ~~slope of the roof plane~~ and not flush with the roof.



| Panels-related equipment and mounting rails extends beyond the roof. Panel-related equipment-and is not colored to match the surface to which it is attached.



Panels mounted on a flat roof below parapet height.



Panels mounted on a flat roof below parapet height.



Panels on a flat roof without a parapet, mounted in an organized pattern, aligned parallel towith the edges of the roof.



Panels on a flat roof without a parapet, mounted in an organized pattern, parallel-aligned with the edges of the roof.



Panels on a flat roof with an obtrusive mounting design.