

Design Standard

08 80 00 - Bird-Friendly Design

The University of Maryland, Baltimore incorporates design strategies that reduce bird collisions for new building construction, large building additions, and window replacements.

Requirements for Exterior Glazing:

Develop a strategy to ensure the building is visible to birds by mitigating conditions where exterior glazing appears reflective or transparent. Sample strategies include:

- Glazing with an ultraviolet or opaque pattern that meets the 2 x 4 rule. The 2 x 4 rule indicates that patterns with horizontal lines or other shapes should be two or fewer inches apart, while vertical lines should be four or fewer inches.
- Adding patterns to glazing: Interrupt reflective or transparent surfaces by using a visible pattern that adheres to the 2 x 4 rule. Visible patterns can include lines, dots, and fritted glass.
- Screens, grilles, or exterior shades to interrupt reflective or transparent surfaces.
- Carefully considering the necessity of installing glazed narrow interior spaces or glazed pedestrian bridges that create the perception of potential fly-through conditions that may create an illusion of a void or reflective condition.
- Installing internal motion sensor lighting systems to turn off lights in the evening when no building occupants are present.

Product Examples

The following companies are listed in the [American Bird Conservancy's database of products and solutions](#) and/or promoted by [Lights Out Baltimore](#).

- [Feather Friendly films](#)
- [CollidEscape films](#)
- [Solyx films](#)
- [AviProtek acid-etched glass](#)
- [GlasPro ultraviolet reflective glass](#)
- [Birdsavers curtains](#)

For more information, visit the [American Bird Conservancy's Bird-Friendly Building Design guide](#).

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