DESIGN GUIDELINE 4.9
BIRD COLLISION DETERRENCE

Scope

Projects with a scope of work related to the building façade and/or site structures shall evaluate bird-safe design strategies to minimize bird deaths by collision.

Related Sections

U-M Design Guideline Sections:
Technical Requirements 6.1 DG 088000

Reference Documents
LEED BD+C: New Construction – Innovation: Bird Collision Deterrence

Design and Installation Requirements

During the Design Development Phase, the Design Professional shall complete the following tasks and review findings with the Design Manager:

Building Façade:

- Determine the Threat Factor of building façade materials using guidance from LEED BD+C: New Construction Innovation: Bird Collision Deterrence Credit.
- Should any façade materials have a Threat Factor that exceeds LEED credit requirements, Bird Collision Rating Calculations shall be completed and the results shall be discussed with the U-M Design Manager. Overall façade composition shall be evaluated for compliance.
- Provide building elevations on which Façade Zones 1 & 2 are clearly identified and each façade material type, surface area and Threat Factor is indicated.
- Provide a completed LEED Bird Collision Rating Calculator for Innovation spreadsheet when required.
- Notify the U-M Design Manager of building façades that exceed the maximum Bird Collision Rating (BCR) allowed by LEED and provide bird-friendly, alternative options for consideration.

Site Structures:

- Determine the Threat Factor of site structures (e.g. handrails, guardrails, bus shelters etc.) using guidance from LEED BD+C: New Construction Innovation: for Bird Collision Deterrence Credit.
- Provide project site plans on which the Threat Factor of each site structure is indicated.
- Notify the U-M Design Manager of site structures that exceed maximum Threat Factor required in LEED and provide bird-friendly, alternative options for consideration.