**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 - Bird Collision Deterrence SSpc55

**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 Pilot Credit for Bird Collision Deterrence (SSpc55).
- Should any façade materials have a Threat Factor that exceeds LEED SSpc55 requirements, Bird Collision Threat Factor 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 Threat Rating Calculation Spreadsheet when required.
- Notify the U-M Design Manager of building façades that exceed the maximum Bird Collision Threat Rating (BCTR) allowed by LEED SSpc55 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 Pilot Credit for Bird Collision Deterrence (SSpc55).
- 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 score value required in LEED SSpc55 and provide bird-friendly, alternative options for consideration.