

MARKHAM BIRD FRIENDLY SPECIFICATION CHECKLISTS FOR APPLICANT

The City of Markham Council approved the *Bird Friendly Guidelines* on February 11, 2014. The development of *Bird Friendly Guidelines* was identified as a priority in the Greenprint - *Markham's Sustainability Plan (2011)* and *Markham's new Official Plan (2014)* in order to address and manage bird-window collisions over the long term. The *Guidelines* provide guidance on treatments and techniques for new development and retrofit design treatments, and identify appropriate implementation mechanisms consistent with City practices and guidelines.

As part of the *Guidelines*, the *Bird Friendly Specification Checklists* were also approved as an implementation tool to guide developers in the *Site Plan Approval* process. Refer to the following stages of the *Site Plan Approval* process for implementation requirements. It is the responsibility of the applicant to adhere to the *Guidelines* at first site plan submission in order for the application to be deemed complete.

The *Checklists* represent the mandatory requirements that apply to developments and redevelopments under the *Site Plan Approval* process. The application of secondary treatments is recommended and can be further discussed during the site plan review process. Please refer to *Chapter 4.3 of the Guideline* for details.

STEP 1: Applicant to complete and include Bird Friendly Specification Checklist as part of the *Elevation Drawing(s)* at first site plan submission. Drawing(s) are to be stamped and signed by an OAA member and identify all contiguous glass area that are larger than 2m².

STEP 2: Applicant to complete and submit the Bird Friendly Lighting Checklist. Applicant to complete and submit the Bird Friendly Lighting Checklist.

Electrical Engineering Drawing(s) to be stamped and signed by a P.Eng on *Lighting Photometric Plan*.

Landscape Plan(s) and Detail(s) to be stamped and signed by a qualified Landscape Architect, to include *lighting notation* and *Light Fixture Specifications* from catalogue. Provide cost estimate of light fixtures.

MARKHAM BIRD FRIENDLY BUILDING CHECKLIST

Applicant to include checklist on *Elevation Drawing(s)* at first site plan submission. Drawing(s) to be stamped and signed by an OAA member.

MANDATORY PRIMARY TREATMENTS FOR ALL DEVELOPMENTS

A. At Grade Condition (check to confirm the below is applied)

- Bird friendly treatment is applied on minimum 85% of contiguous glass panel area, if each panel area is greater than 2m² and within 16m from finished grade.
- Development contains no glass greater than 2m² within 16m from finished grade.

B. Roof Landscape Condition (check to confirm one of the below is applied)

- Bird friendly treatment is applied on minimum 85% of contiguous glass panel area, if each panel area is greater than 2m² and within 16m from roof level finished grade.
- Development contains no glass panel within 16m from roof level finished grade.

Treatment (check to confirm one of the below is applied)

* Refer to *Guidelines* for requirements

	A) At Grade	B) Roof Landscape
Stripes	<input type="checkbox"/>	<input type="checkbox"/>
Dots	<input type="checkbox"/>	<input type="checkbox"/>
Netting	<input type="checkbox"/>	<input type="checkbox"/>
Frit and Etched Patterns	<input type="checkbox"/>	<input type="checkbox"/>

Specifications (check to confirm one of the below is applied)

- Pattern is applied as fritting or etching of glass; and pattern colour are high contrast in relation to the background.
- Pattern is applied as film on exterior surface of glass; and pattern colour are high contrast in relation to the background.

MARKHAM BIRD FRIENDLY LIGHTING CHECKLIST - ELECTRICAL ENGINEERING

Applicant to include checklist on *Electrical Engineering Drawing(s)* at first landscape plan submission. Drawing(s) to be stamped and signed by a P.Eng.

MANDATORY LIGHTING CRITERIA FOR ALL DEVELOPMENTS (check to confirm below is applied)

- The use of exterior up lighting is eliminated.
- There is no exterior light spill outside of property line.

MARKHAM BIRD FRIENDLY LIGHTING CHECKLIST - LANDSCAPE

Applicant to include checklist on *Landscape Plan(s)* and *Detail(s)* at first submission. Drawing(s) to be stamped and signed by a Landscape Architect who is a full member, in good standing, of the Ontario Association of Landscape Architects.

Lighting Specifications (check to confirm below is applied)

- Where exterior lighting is proposed within the development, Landscape Details include lighting specifications.
- The following notation is included on Landscape Plans: "All lighting is to be downlit and dark sky compliant. No exterior light spill is permitted outside of the property line."