

Section 108113
BIRD CONTROL DEVICES

PART 1 – GENERAL

1.1 SUMMARY

- A. This Section includes:
 - a. **Bird-X Stainless Steel Bird Spikes** to prevent pest birds from landing, perching or roosting wherever the spikes are applied. They make surfaces uncomfortable, uninviting and intimidating to pest birds. Bird-X Stainless Steel Spikes are safe, non-toxic, non-harmful, humane and eco-friendly.

1.2 CONFORMANCE SUBMITTALS

- A. Substitute Products: No substitute products will be accepted.
- B. Product Data: Submit manufacturer's samples, catalog cuts, shop sketches and other descriptive materials.

1.3 CLOSEOUT SUBMITTALS

- A. Maintenance Data

1.4 QUALITY ASSURANCE

- A. Single Source Responsibility: All primary products specified in this section will be supplied by a single manufacturer.
- B. Obtain technical literature from the specified manufacturer, telephone consultation and plan/photograph evaluation.
- C. Utilize labor or Bird-X authorized installers who are certified in Bird-X product installations. Proof of certification is required.

1.5 PRODUCT HANDLING

- A. Protect Bird-X Stainless Steel Spikes from damage before, during and after installation.
- B. If damage occurs to Bird-X Stainless Steel Spikes at any time, make all replacements immediately.

1.6 WARRANTY

- A. 10-year minimum warranty against material defects and workmanship

PART 2 – PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- A. **Bird-X, Inc.**,
845 N. Larch Ave., Suite 2
Elmhurst, IL. 60126
Phone: 800.662.5021
Fax: 312.226.2480
Email: solutions@bird-x.com
www.bird-x.com

2.2 MODEL DESIGNATION

- A. Bird-X Stainless Steel Bird Spikes – Regular (STS)
- B. Bird-X Stainless Steel Bird Spikes – Narrow (SLS)
- C. Bird-X Stainless Steel Bird Spikes – Extra-Wide (EWS)
- D. Bird-X Stainless Steel Bird Spikes – Extra-Tall (ETS)

2.3 MATERIAL

- A. **Bird-X Stainless Steel Bird Spikes – Regular (STS)**
 1. Spikes: ST 304 Hard Surgical Grade Stainless Steel; resistant to virtually all weather and harsh environments.
 2. Base Strip: Flexible, UV-treated polycarbonate base with 360° bend.
 3. Number of spikes per 2ft section: 60
 4. Highest Point: 4.3"
 5. Base width: 0.5"
 6. Top width: 4.5" (5" coverage)
- B. **Bird-X Stainless Steel Bird Spikes – Narrow (SLS)**
 1. Spikes: ST 304 Hard Surgical Grade Stainless Steel; resistant to virtually all weather and harsh environments.
 2. Base Strip: Flexible, UV-treated polycarbonate base with 360° bend.
 3. Number of spikes per 2ft section: 36
 4. Highest Point: 4.3"
 5. Base width: 0.5"
 6. Top width: 2.5" (3" coverage)
- C. **Bird-X Stainless Steel Bird Spikes – Extra-Wide (EWS)**
 1. Spikes: ST 304 Hard Surgical Grade Stainless Steel; resistant to virtually all weather and harsh environments.
 2. Base Strip: Flexible, UV-treated polycarbonate base with 360° bend.
 3. Number of spikes per 2ft section: 60
 4. Highest Point: 4.3"
 5. Base width: 0.5"
 6. Top width: 7.5" (8" coverage)
- D. **Bird-X Stainless Steel Bird Spikes – Extra-Tall (ETS)**
 1. Spikes: ST 304 Hard Surgical Grade Stainless Steel; resistant to virtually all weather and harsh environments.
 2. Base Strip: Flexible, UV-treated polycarbonate base with 360° bend.
 3. Number of spikes per 2ft section: 60
 4. Highest Point: 6"
 5. Base width: 0.5"
 6. Top width: 8.5" (9" coverage)

2.4 MOUNTING SYSTEMS

- A. Bird-X Bird Spikes Special Adhesive – for surfaces where screws or nails are not preferred
- B. Screws - #12 flat Philips-head screws
- C. Nails – 1/8" nails
- D. Girder Clamp – 1" Stainless Steel Clamp used with SSA Adhesive

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Examine installation area. Notify Owner's Agent of detrimental work conditions.
- B. Do not proceed until conditions are corrected.

3.2 AREA AND SURFACE PREPERATION

- A. Surfaces should be inspected and cleaned before beginning installation.
- B. Remove debris and make repairs as necessary – fallen tree branches, brush, peeling paint, loose parts, rubble, rust, etc.
- C. Use a microbial cleaning agent (Bird-X EVO Cleaner) to clean and remove bird droppings and other residue from surfaces.
- D. Make sure surfaces are dry before installation.
- E. Remove or repair articles that may damage the Bird-X Stainless Steel Bird Spikes after installation.

3.3 INSTALLATION

- A. Install Bird-X Stainless Steel Bird Spikes according to the Bird-X installation instructions.
- B. Measure the length of each area to be covered, allowing for curves or bends in the surface. Based on length (multiply length by 2, 3 etc. if necessary for wider widths) order an appropriate amount of Bird-X Stainless Steel Bird Spikes. Units may be 'snapped' to fit lengths less than 24".
- C. Bird-X Spikes Special Adhesive – bond only to dry, clean surfaces, when temperature is between 32 degrees F and 120 degrees F. Apply a bead of adhesive to underside of base and firmly press Bird-X Stainless Steel Bird Spikes onto surface so that it makes solid contact. Allow adhesive to dry and form a 'rivit' through the holes in the base.
- D. Screws – use #12 flat Philips-head screws and a screwdriver with a shaft of at least 4".
- E. Nails – use 1/8" nails and nail set.

3.4 INSPECTION

- A. Visually inspect Bird-X Stainless Steel Bird Spikes installation for inadequate adherence to surfaces, loose screws, or interfering debris.
- B. Make any necessary repairs immediately.