Section 108113

BIRD CONTROL DEVICES

**PART 1 – GENERAL**

1. **SUMMARY**
2. This Section includes:
	1. **Bird-X All Steel Spike** 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 All Steel Spikes are safe, non-toxic, non-harmful, humane and eco-friendly.
3. **CONFORMANCE SUBMITTALS**
4. Substitute Products: No substitute products will be accepted.
5. Product Data: Submit manufacturer’s samples, catalog cuts, shop sketches and other descriptive materials.
6. **CLOSEOUT SUBMITTALS**
7. Maintenance Data
8. **QUALITY ASSURANCE**
9. Single Source Responsibility: All primary products specified in this section will be supplied by a single manufacturer.
10. Obtain technical literature from the specified manufacturer, telephone consultation and plan/photograph evaluation.
11. Utilize labor or Bird-X authorized installers who are certified in Bird-X product installations. Proof of certification is required.
12. **PRODUCT HANDLING**
13. Protect Bird-X All Steel Spike from damage before, during and after installation.
14. If damage occurs to Bird-X All Steel Spike at any time, make all replacements immediately.
15. **WARRANTY**
16. 15-year minimum warranty against material defects and workmanship

**PART 2 – PRODUCTS**

* 1. **ACCEPTABLE MANUFACTURER**
1. **Bird-X, Inc.,**

300 N. Oakley Blvd.

Chicago, IL. 60612

Phone: 800.662.5021

Fax: 312.226.2480

Email: solutions@bird-x.com
[www.bird-x.com](http://www.bird-x.com)

* 1. **MODEL DESIGNATION**
1. Bird-X All Steel Spike – Standard (DS-ST)
2. Bird-X All Steel Spike – Extra-Wide (DS-EW)
3. Bird-X All Steel Spike – Narrow (DS-NW)
	1. **MATERIAL**
		* 1. **Bird-X All Steel Spike – Standard (DS-ST)**
				1. Base and Spike Material: ST 304 Hard Surgical Grade Stainless Steel; resistant to virtually all weather and harsh environments.
				2. Number of spikes per 1ft section: 18
				3. Highest Point: 4.5”
				4. Base width: 5/8”
				5. Top width: 4.5”
				6. Length: 3ft sections
			2. **Bird-X All Steel Spike – Extra-Wide (DS-EW)**
				1. Base and Spike Material: ST 304 Hard Surgical Grade Stainless Steel; resistant to virtually all weather and harsh environments.
				2. Number of spikes per 1ft section: 18
				3. Highest Point: 4.5”
				4. Base width: 5/8”
				5. Top width: 8”
				6. Length: 3ft sections
			3. **Bird-X All Steel Spike – Narrow (DS-NW)**
				1. Base and Spike Material: ST 304 Hard Surgical Grade Stainless Steel; resistant to virtually all weather and harsh environments.
				2. Number of spikes per 1ft section: 18
				3. Highest Point: 4.5”
				4. Base width: 5/8”
				5. Top width: 2.5”
				6. Length: 3ft sections
	2. **MOUNTING SYSTEMS**
	3. Bird-X Bird Spikes Special Adhesive – for surfaces where screws or nails are not preferred
	4. Screws - #12 flat Philips-head screws
	5. Nails – 1/8” nails

**PART 3 – EXECUTION**

1. **EXAMINATION**
2. Examine installation area. Notify Owner’s Agent of detrimental work conditions.
3. Do not proceed until conditions are corrected.
4. **AREA AND SURFACE PREPERATION**
5. Surfaces should be inspected and cleaned before beginning installation.
6. Remove debris and make repairs as necessary – fallen tree branches, brush, peeling paint, loose parts, rubble, rust, etc.
7. Use a microbial cleaning agent (Bird-X EVO Cleaner) to clean and remove bird droppings and other residue from surfaces.
8. Make sure surfaces are dry before installation.
9. Remove or repair articles that may damage the Bird-X All Steel Spike after installation.
10. **INSTALLATION**
11. Install Bird-X All Steel Spike according to the Bird-X installation instructions.
12. 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 All Steel Spike. Units may be cut to fit lengths less than 36”.
13. 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 All Steel Spike onto surface so that it makes solid contact. Allow adhesive to dry and form a ‘rivet’ through the holes in the base.
14. Screws – use #12 flat Philips-head screws and a screwdriver with a shaft of at least 4”.
15. Nails – use 1/8” nails and nail set.
16. **INSPECTION**
17. Visually inspect Bird-X All Steel Spike installation for inadequate adherence to surfaces, loose screws, or interfering debris.
18. Make any necessary repairs immediately.