

Section 108113
BIRD CONTROL DEVICES

PART 1 – GENERAL

1.1 SUMMARY

- A. This Section includes:
 - a. **Avishock™** electric bird deterrent shock track to prevent damage from droppings and nesting materials on exposed or protected ledges where birds perch, roost, or nest.

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 Avishock™ 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 Avishock™ and hardware system from damage before, during and after installation.
- B. If damage occurs to Avihsock™, make all replacements immediately.

1.6 WARRANTY

- A. Avishock™ Track: 5-year minimum warranty against material defects and workmanship.
- B. Avishock™ Charger Systems: 2-year minimum warranty

PART 2 – PRODUCTS

2.1. BASIS OF DESIGN MANUFACTURER

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

2.2. AVISHOCK™ Electric Bird Deterrent Shock Track

A. Avishock™ Track

1. Flexible UV-stabilized PVC/Carbon base with **copper** conduction strips protected from weather and dirt.
2. Height: 0.31" at highest point
3. Width: 1.42"
4. Length: 65' rolls
5. Base Strip: Flexible 360° bend.
6. Color: black, stone, grey, brick red
7. Number of rows: As determined by the manufacturer based on project conditions
8. Mounting Systems: As determined by the manufacturer based on project conditions.

B. Recommended Avishock™ Charger Systems

1. 110V AC Battery Charger (SHK-C-110)
 - a. Indoor/Outdoor Installation: Indoor only
 - b. Range: 5 miles
 - c. Joules Low: 0.65
 - d. Joules High: 2.0+
 - e. Power Source: 110v-120v AC
 - f. Fence Voltage-Open Circuit: 9,500
 - g. Fence Voltage-500 ohm: 2,450
 - h. Display: Operational Light
2. Solar Battery Charger (SHK-C-SOL)
 - a. Indoor/Outdoor Installation: Outdoor only
 - b. Range: 25 Miles
 - c. Joules Low: 0.75
 - d. Joules High: 1.8+
 - e. Power Source: 6V Solar/Battery
 - f. Fence Voltage-Open Circuit: 11,500
 - g. Fence Voltage-500 ohm: 2,650
 - h. Display Performance Meter - Analog

C. Connectors

1. Straight, Corner, and Jump connectors

D. Lead wire

1. Color: Brown, Black
2. Length: 65 ft.

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. Remove existing bird droppings in a safe manner. Large quantities shall be removed and disposed. Work areas shall be cleaned, and repair work shall be done in areas, which will be excluded by Avishock™.
- B. Remove or repair articles that may damage the Avishock™ after installation.

3.3 INSTALLATION

- A. Avishock™ components are provided in finished form and do not require any assembly.
- B. It is necessary to follow the manufacturer's installation guide to ensure that the track is wired to an energizer in the appropriate manner.
- C. Examine installation area. Notify architect of detrimental work conditions. Do not proceed until conditions are corrected.
- D. Clean area before installation
- E. Position the Energizer near power source
- F. Prepare Intended Track Location
- G. Install jumper bases
- H. Layout track
- I. Glue to surface
- J. Attach connectors
- K. Attach warning signs
- L. Connect Lead wire to track
- M. Connect lead wire to energizer

3.4 INSPECTION

- A. Visually inspect Avishock™ for poor adherence to mounting surfaces, or other problems related to poor installation or surface preparation. Be sure all indicator lights are illuminated
- B. Repair as necessary immediately.