

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.**  
300 N. Oakley Blvd.,  
Chicago, IL. 60612  
Phone: 800.662.5021  
Fax: 312.226.2480  
Email: [solutions@bird-x.com](mailto:solutions@bird-x.com)  
[www.bird-x.com](http://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.