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 Avishock™, 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
   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 PREPARATION

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.