



ARCHITECTURAL SPECIFICATIONS

ELECTRIFIED SHOCK TRACK SPECIFICATIONS

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SECTION I – GENERAL INFORMATION

1.1 Summary

No Fly Zone, Inc. Electrified Shock Track is an electrified bird deterrent system, which is effective against all species of birds to deter them from loafing; roosting and nesting on ledges at all pressure levels. No Fly Zone, Inc. Electrified Shock Track is recommended for high-pressure situations (where birds are roosting or nesting generally). The track is glued to the surface and is connected together using crimp-connectors. Tracks are installed on the leading edges of a ledge, or appropriately where determined necessary by the installer; based on bird species and bird pressure. The solar charge unit needs to face due South, so that it receives at least two hours of direct sun light a day. The 110-volt charger needs to be out of the weather, an electrician maybe needed to install a junction box for this purpose. Workers and unsuspecting persons should be made aware that there is an electrified bird deterrent system in place so they are not caught off guard and

terrified by touching the track system. Warning labels should be placed near the track in areas where people will possibly have contact with the track.

1.2 Acceptable Manufacturer

No Fly Zone, Inc. 1 Steven Ave.
Tinton Falls, New Jersey 07724

1.3 Electrified Shock Track Description

Electrified Shock Track

Material: Ultra-violet stabilized flexible PVC, Stainless Steel Braid Strips and UV Resistant Bonded Polyester thread.

Width: 1.5" (3.7cm)

Height: 1/4" (.6cm)

Length: 50 feet (15.24m)

Mounting: Glue

Charge units

Material: Durable thermo Plastic

Width: 5 3/4" (14.6cm)

Height: 9 1/8" (23.2cm)

Depth: 4 3/8" (11.1cm)

Mounting: Screw in place

1.4 Material Finishes

No Fly Zone, Inc. Electrified Shock Track track is made of ultra-violet stabilized PVC with two stainless steel braid-strips that are sewn together. The lead-out wire is custom made and is the only lead-out wire that should be used for a No Fly Zone, Inc. Electrified Shock Track installation due to the extra thick



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insulation. Charge units are made of durable plastic.

1.5 Electrified Shock Track Application

Electrified Shock Track can be used to deter all types of birds from loafing, roosting and nesting on high pressure exposed ledges. The intermittent bursts of electric protects the ledge and conditions birds not to land in that area, causing the birds to take their business elsewhere. Electrified Shock Track can be used in combination to cover any width ledge, and up to 6 inches can be left unprotected between rows of track. The Electrified Shock Track system is not recommended in areas where children or unsuspecting workers can come into contact with the system. The Electrified Shock Track system is easy to install, all you need is a little electric knowledge. The track cannot be identified from the ground when installed on a parapet wall.

1.6 Quality Assurance

- A. All technical information should be obtained from the manufacturer.
- B. The utilization of qualified installers is recommended.
- C. Installers shall visit the site to obtain all necessary site information, as well as surrounding information.

1.7 Submittals

- A. Submit manufacturer's samples, catalogs, brochures, sketches and other necessary materials.

- B. In addition, provide guarantee information, product samples, including fastening methods and a certification indicating that the installation company is a certified installation company.

1.8 Product Handling

- A. Protect all Electrified Shock Track materials and related components from damage before, during and after installation.
- B. Damaged Electrified Shock Track should be replaced immediately.
- C. Cable separation from PVC can be pushed back into base.

1.9 Guarantee

- A. The Electrified Shock Track shall carry a minimum of a 3-year guarantee against U.V. breakdown and/or stainless steel breakdown.
- B. The installation shall carry a minimum of a 1-year guarantee against material defects and functionality of the installation system.

SECTION II – MOUNTING METHODS

2.1 Method Selection

- A. Concrete, Steel And Stone: Adhesive.
- B. Wood: Adhesive.
- C. Metal: Adhesive.
- D. If precipitation is expected within 24 hours we recommend the use of polyurethane based adhesive.



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- E. For dry weather applications, we recommend the use of a one-part polyurethane or an equivalent, which will adhere to high content PVC that has no added fillers may be used.
- F. As with all adhesives, follow manufacturers directions.
- G. Color: non-specified.
- H. Application: method to be determined by installer to provide adequate adhesion.

SECTION III – ELECTRIFIED SHOCK TRACK INSTALLATION

3.1 Site Survey

- A. Installers must visit the site prior to installation to ensure measurements and the proper product selection.
- B. Installer must notify architect or engineer of any detrimental working conditions prior to installation.
- C. Installer should only proceed with installation after the detrimental working conditions are corrected.

3.2 Surface Preparation

- A. Obstructions must be removed. Ledges and mounting surface must be dry and free of loose paint, rust, bird droppings and any foreign debris. Bird droppings shall be cleaned, removed and disposed of in a safe manner in accordance with local regulations.
- B. Remove or repair articles that may damage the Electrified Shock Track after

installation (tree limbs, loose items on building, etc.)

3.3 Specification Guideline

- A. Install Electrified Shock Track on exposed ledges where birds roost, loaf, or land to prevent damage from their droppings.
- B. Technical literature can be obtained from manufacturer or distributor. Telephone consultation and plan evaluation with photographs are helpful.
- C. Utilization of No Fly Zone, Inc. Certified Labor is recommended for technically difficult situations.
- D. No Fly Zone, Inc. always recommends using certified installation companies in your area that carry proper insurance and licenses.

3.4 Electrified Shock Track Material

Material: Ultra-violet stabilized PVC, stainless steel braid strips
Colors: Black, Beige, Gray, Brick Red and Sign-Red
Width: 1.5" (3.7cm)
Height: 1/4" (.6cm)
Length: 50 feet (15.24m)
Mounting: Glue

3.5 Solar Charge Unit

Range: 500 feet
Input Voltage: 4V, .02amp, .08W
Output Voltage: 7.5KV (+or-) 2KV, 3amp



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(+or-) 1 amp.

3.6 110 Volt Charge Unit

Intermittent DC output

Range: 500 feet

Input Voltage: 110-120 VAC, 60 Hz, .035amp, 10W

Output Voltage: 800V (+or-) 100 V, 10mA (+or-) 2mA

Intermittent AC output

3.7 Lead-out Wire

Material: Heavy insulated 14 double gauge copper (+) wire,

Width: 5/8" (1.6cm)

Height: 3/8" (.6cm)

Mounting Clip: Plastic wire loops

Length: 50 feet (15.24m)

3.8 Electrified Shock Track Installation

Finding a suitable location for the charge unit is required before installing the track system. Whenever possible position the charger unit as near the starting point of the track as possible. Solar chargers must face due south to capture as much sunlight as possible while the 110 volt chargers should be installed out of the weather with no over-head obstructions or inside a closed area. After the tracks are installed, lead-out wire is connected from the charger to the track, which carries the bursts of electric from the charge unit to the track.

Electrified Shock Track is installed to a ledge or wall with glue. Polyurethane Bond (cure time 2-4 hours) will fasten the tracks to any clean, dry, stable surface. The 50' tracks are connected

together by male/female connectors. Special instructions, that describe corners and other complex situations, are supplied with the product

3.9 Electrified Shock Track Installation

- A. Install the Electrified Shock Track System as recommended in the installation instructions, which are supplied by the manufacturer. The track shall be installed next to the leading edge of the ledge, if the ledge is wider than 8" with a back wall, another track should be installed at the rear of the ledge.
- B. Electrified Shock Track track must cover the outer perimeter of ledges. The Electrified Shock Track shall extend to each corner. The Electrified Shock Track is an anti-landing device, not a barrier. It is acceptable to leave up to 6 inch's of clearance between Electrified Shock Track tracks or three inch's between the Electrified Shock Track track and the back wall of the ledge.
- C. NO FLY ZONE, INC. Electrified Shock Track shall be installed straight, or shall follow the contours of the architecture perfectly. Installation of the tracks unevenly to the ledge will result in an unattractive and possible an ineffective installation.

3.10 Electrified Shock Track Inspection

- A. Visually inspect Electrified Shock Track for poor adhesion to mounting surfaces,

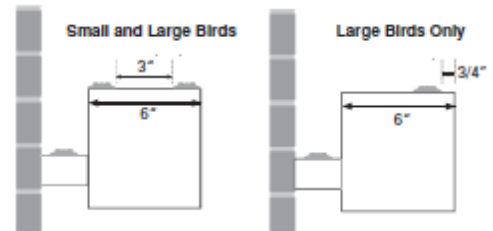


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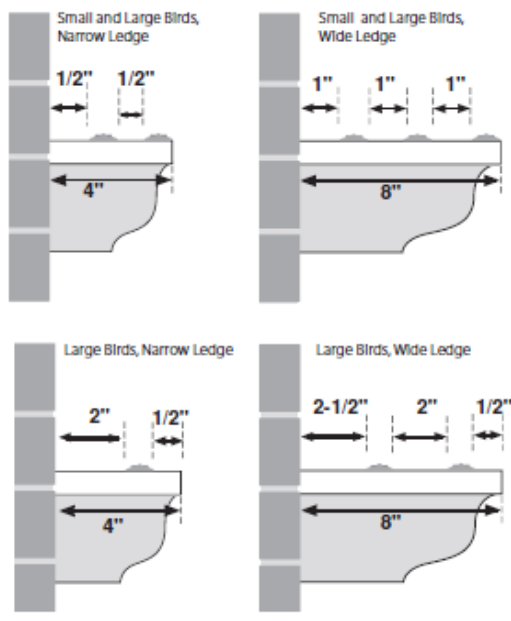
and related issues due to poor surface preparation.

- B. Repair defects immediately.
- C. Use neon light voltage tester to check for current, the use of volt/ ohmmeters is **NOT** recommended due to false readings.
- D. Verify warning placards are in place and visible from strategic locations.

Signs and Letters



One-Sided Ledge (Against Wall)



OM-Operation Maintenance

If Electrified Shock Track is installed per specifications, it should remain virtually maintenance free. Occasionally, debris may land on the strips or birds may drop debris in an attempt to build a nest. A regular maintenance schedule should be utilized to remove debris and all connections verified, or the system may become inoperable.

TS-Technical Support

No Fly Zone, Inc.'s certified representatives are available to assist in all aspects of evaluation and product recommendations. Please contact No Fly Zone, Inc. at 866-663-5999 or fax your drawings and/or other pertinent information to 732-219-0677.

END OF SPECIFICATIONS