



ARCHITECTURAL SPECIFICATIONS

CLEANING SPECIFICATION

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SECTION I – GENERAL INFORMATION

1.1 Cleaning Summary

Prior to the installation of any bird exclusion product, it is critical that the surface area(s) to be treated are properly cleaned and all debris are removed from said areas. Debris include but are not limited to nesting materials, droppings and/or physical debris.

1.2 Acceptable Manufacturer

No Fly Zone, Inc. 1 Steven Ave, Tinton Falls, New Jersey 07724. Phone 866-663-5999.

1.3 Exterior Cleaning Description

Depending upon the site conditions and severity of the debris to be removed, the appropriate cleaning practices must be followed. The cleaning is designed to allow the bird exclusion devices to be installed, reduce health risks, improve visual appearance and avoid slip and fall liability.

1.4 Public Health Concerns

Birds can cause serious public health concerns through the spread of over sixty transmittable (some even potentially fatal) diseases. Diseases such as Histoplasmosis, Asperuillois, Cryptococcus, Encephalitis, Salmonella and Lasteriosas are spread through bird excrement because birds can travel great distances, can harbor several different types of parasites and bird excrement provides an ideal environment for the growth of organisms. Although the risk of contracting an infection from bird droppings may be relatively low, the aforesaid diseases are severe and may be life threatening if contracted.

1.5 Diseases are typically contracted through a number of ways:

- A. INHALING: Inhaling pathogenic spores through either the nose and/or mouth. Bird excrement is most dangerous when it is dry and becomes airborne in a fine dust form, especially when the bird excrement is disturbed. Contaminated excrement dust typically enters a facility through air handling equipment. As such, it is of critical importance to keep rooftops and air handling equipment free from bird excrement.
- B. DIRECT CONTACT: Direct contact with bird excrement. Diseases can be spread when bird excrement dust and/or bird excrement comes into contact with an open wound and/or cut.



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C. ASSOCIATED PARASITES:

Accumulated bird excrement can harbor parasites such as mites, fleas, bed bugs, ticks and other types of parasites, all of which can bite humans. The aforesaid parasites can transfer diseases when the parasite bites an infected animal and extracts blood that contains the germ. Thereafter, when the infected parasite bites its next victim, it can pass along the germ to the new host.

D. FOOD AND WATER

CONTAMINATION: Food and water contaminated with bird excrement. When a diseased pest bird directly defecates into human food and/or water sources, some diseases can be transmitted. In addition to direct contamination, airborne spores may travel through air ducts and ventilation systems, which can settle on exposed food.

1.6 Related Problems Caused by Bird Feces

Accumulated bird excrement may also allow significant water penetration into buildings and also can cause subsequent roof decay. In addition, bird excrement, feathers and other related debris, may damage and/or clog rain water drainage systems over time. This can cause water to accumulate on rooftops and related areas, which can lead to water penetration and severe roof decay. Bird excrement also represents an aesthetic

problem. Because of the corrosive nature of bird droppings, the excrement can quickly deface building finishes. Park benches, statues, cars, ledges and entryways, which are not only objectionable to the public, but also accelerates deterioration thereon. If bird excrement is allowed to build up, it also provides a slippery and unsafe footing on walkways and other building entryways. Moreover, a bird infestation not only places the general public at risk, but also employees and building occupants.

1.7 Quality Assurance

- A. All technical information should be obtained from the manufacturer.
- B. The utilization of a qualified cleaner is recommended.
- C. Cleaners must visit the site to obtain all necessary site information, as well as surrounding information.
- D. Documentation must be submitted evidencing the site inspection.
- E. Cleaning company must submit 6 parking structures where they have performed bird dropping removal/cleaning services.
- F. Cleaning company must have a minimum of 3 years in the cleaning of parking structures.

1.8 Submittals

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



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- B. In addition, provide guarantee information, product samples, including cleaning methods and proof indicating that the cleaning company is experienced in structures.

SECTION II – EXTERIOR CLEANING PROCESS

2.1 Site Survey

- A. Cleaners must visit the site prior to cleaning to ensure type and amount and type of debris to be removed and cleaned.
- B. Cleaners must notify architect, engineer and/or facility owner of any detrimental working conditions prior to cleaning.
- C. Cleaners should only proceed with cleaning after the detrimental working conditions are corrected.

2.2 Surface Preparation

- A. As stated above, fecal matter is most dangerous when it is disturbed in a dry state, as such, prior to any remediation, the bulk droppings will be lightly misted with water. The mist will be left to settle into the droppings for 15-30 minutes. This step will allow the droppings to be removed without creating fecal dust. This step will be performed after each layer of droppings is removed.
- B. All of the bulk bird droppings will be bagged, as well as any loose layers of droppings. (At all times service specialists will wear protective coveralls,

- gloves and respiratory equipment when cleaning). All remaining debris and other nesting materials will be shoveled into double bagged heavy-duty garbage bags and disposed of properly. These bags will be placed in industrial grade drums for removal from the parking structure.
- C. Note that a combination of both metal and plastic brushes and scrapers will be used in the dropping removal and cleaning. The plastic brushes and scrapers must be used in areas where scuffing and/or other visible impairment may be caused so as not to damage any finishes.
- D. To remove any remaining stubborn droppings, a bird dropping dissolving solution will be applied to these areas. The bird dropping dissolving solution will be misted onto any remaining bird droppings for at least 15 minutes; droppings will generally wipe easily away with a brush and misted water.
- E. The bird dropping solution efficiently breaks down bird droppings, reducing the solids and eliminating odors. It allows for easy removal of even stubborn, caked-on droppings and other organic matter. The target area is saturated and the solution is left on for at least fifteen minutes. Solution is misted onto infected area with a hand mister/hand sprayer. The residue will easily spray away with hose or power sprayer.



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- F. The solution is a biochemical live enzyme formulation consisting of a synergistic blend of three selected Bacillus microorganisms, special surfactants and a unique odor neutralization formula. This product is nontoxic, nonflammable and biodegradable, plus it is USDA accepted, environmentally safe. It can be poured over piles of bird droppings, as well as into drains, trash-cans, sewers and grease traps.
- G. Next, the areas that are infected with droppings shall be power washed of any remaining droppings. (Cleaner must verify the proper disposal of the droppings). The power washing must be performed at the correct distance from the area(s) to be cleaned so as not to damage the treated areas.
- H. Next, any remaining stained areas will be steam cleaned with a commercial grade steamer. By utilizing a steam cleaner, we will maintain zero pressure and will be able to thoroughly sanitize and clean any remaining pigeon droppings.
- I. Next, any remaining materials will be vacuumed utilizing a commercial grade shop-vac. Note that prior to this step, the areas to be vacuumed will also be misted so as not to create any dust when the area is vacuumed.
- J. After all of the infected areas are clear of droppings, we will apply a disinfectant solution (hospital grade virucide/

germicide) to kill any remaining bacteria.

TS-Technical Support

No Fly Zone, Inc.'s certified representatives are available to assist in all aspects of evaluation, product recommendations. Please contact No Fly Zone, Inc. at 866-663-5999 or fax your drawings and/or other pertinent information to 732-219-0688.

END OF SPECIFICATIONS