

**SECTION 10296 – BIRD DETERRENT NETTING SYSTEM TO PROTECT CARVINGS,
SCULPTURE AND MOLDINGS**

PART 1 – GENERAL

1.1 SUMMARY

- A. This Section includes the following:
 - 1. Installation of bird deterrent netting at the underside and column capitals of east and west building balcony.
 - 2. This procedure includes guidance on installing a netting bird deterrent system. This type of system is most commonly used to protect large areas of architectural detailing, especially carvings, sculptures and moldings. It is usually installed on the upper portions of a building, where its presence will not be as apparent.
- B. Intent: It is the specific intent of this Section to provide for bird deterrent installation in a manner that does not damage or detract from the building's historic character. All work required to achieve this intent shall be included. The netting system is designed to prevent birds from nesting in at the column capitals by making entry into those areas difficult.

1.2 SUBMITTALS

- A. Samples: Submit a 12' x 12" sample proposed bird netting to the Architect for color approval.
- B. Mock-ups: An areas (s) selected by the Architect will have a test installation of bird netting for approval prior to beginning work.

1.3 PROJECT/SITE CONDITIONS

- A. Do not use adhesive on wet or damp surfaces or when temperatures are above 120 degrees F or below 45 degrees F.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Proguard Commercial Pest Solutions, Columbus, OH 43231, or approved equal.

2.2 MATERIALS

- A. Bird Netting: UV stable, ¾" knotted plastic netting in tan, such as "Birdwire System" (Proguard Commercial Pest Solutions), or approved equal. Characteristics or netting including color and grade must be approved by Architect.

- B. Anchors: Stainless steel mounting pins which will not rust or cause staining on masonry.
- C. Adhesive: Epoxy putty; high modulus, high strength, non-sag, two-component, epoxy resin adhesive, designed for vertical and overhead bonding, moisture, insensitive, and in color approved by Architect.

2.3 EQUIPMENT

- A. Masonry drill.
- B. Hammer.

PART 3 – EXECUTION

3.1 PREPARATION

- A. Surface Preparation: Remove all bird excrement, from the application area. Use cleaning methods accepted by the Architect, which will not damage the stone surface or adjacent materials. Application must take place after masonry cleaning operations are completed, but may be scheduled for work while staging is in place.

3.2 ERECTION, INSTALLATION, APPLICATION

- A. Follow manufacturer's printed instructions for netting installation. Area to be protected must be measured accurately.
- B. Mark on perimeter of area to be covered by netting where holes are to be drilled. Mount pins at mortar joints where possible.
- C. Using a 3/16" drill bit, drill holes approximately 8" apart, 1-1/2" deep and at a 45 degrees angle. Remove all loose particles from the surface.
- D. Press epoxy putty into holes and set pins into putty.
- E. Reinforce edges of netting by using a single weaving process with matching plastic thread.
- F. Stretch netting over area to be protected and attach to anchoring pins. Stretch netting so that the mesh runs vertically and horizontally, NOT diagonally. The netting will blend better with the background when stretched in a horizontal and vertical direction.

END OF SECTION 10296