

SPECIFICATIONS 1100- BIRD NETTING

PART I - GENERAL

1.1 SYSTEM DESCRIPTION

- A. Design Requirements: Select appropriate size net and fastening system as determined by site conditions and mounting surface. Maintenance access will be required to the three existing decorative lights. Please Note, majority of installation surface is decorative granite. Special caution shall be taken in design to minimize impact and visible attachments.

1.2 SUMMARY

- A. Provide labor, materials and supervision to install bird control netting to the building structure. The bird netting shall stop sparrow, starlings and pigeons from roosting on the building structure. Approximate area of bird netting **500 square feet**.
- B. Project Location - City Hall; 105 Jay Street, Schenectady, NY 12305.
- C. Installation Location - Above main exterior staircase fronting Jay Street, inside pillars and below decorative lights (see attached pictures). Approximate height of bird netting above main exterior staircase upper landing area is thirty (30) feet.

1.3 QUALITY ASSURANCE

- A. Obtain all technical information on products and installation from the manufacturer.
- B. Utilize labor or Authorized Installers who are knowledgeable in product installations.
- C. Installer shall visit the site to gather all information of existing site conditions.
- D. Single Source Responsibility: Netting and all parts / accessories of the bird netting shall be from one manufacturer.

1.4 SUBMITTALS

- A. Product Data: Submit all descriptive information from the manufacturer including catalogs, installation instructions and other descriptive material.
- B. Provide Warranty: Material and installation.
- C. Provide Samples: Each type of bird netting used, including proposed fastening methods and hardware.
- D. Provide statement by official indicating that they are a certified installation company.

1.5 PRODUCT HANDLING

- A. Protect products from damage before, during and after the installation.

1.6 PROJECT CONDITIONS

- A. Coordination: Furnish all anchor devices required to fasten system to and around existing building structure. Coordinate installation with existing conditions and within on-site tolerances.
- B. Visit site and field measure prior to fabrication and delivery of materials.

1.7 WARRANTY

- A. $\frac{3}{4}$ " bird netting shall carry a minimum 10-year guarantee against U.V. breakdown for black netting, 3-year guarantee for white and stone netting.
- B. Installation shall be guaranteed for 2 years.
- C. Installation shall be performed by a Certified Authorized Installer.
 - 1. Proof of Certification required.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

2.2 PRODUCT DESCRIPTION

- A. Model Designation:
 - 1. $\frac{3}{4}$ " Heavy Duty
 - 2. 1-1/8" Heavy Duty
 - 3. 2" Heavy Duty
- B. Color: Black

2.3 MATERIAL

- A. Material: U.V. stabilized knotted polyethylene net. **Flame resistant** (270°F melting point). Rot-proof, non-conductive and stable in sub zero temperatures.
- B. Construction: comprised of 6 monofilaments, each 12/1000" thick with U.V. stabilizers added. Monofilaments are twisted together to produce a strong twine with 160-200 twists per meter.
- C. Break Strength: ISO 1806 / 9001 protocol mesh tested in excess of 40 lbs. Proof of Test Certification Available.
- D. Sizes: As required.
- E. Hardware: All metal hardware or products are stainless steel.

2.4 MOUNTING SYSTEMS

- A. Solid Steel: For corner attachments use manufacturer's eye bolts with lock nuts and multipurpose cable brackets with powder actuated fire-in-pins for intermediate attachments.
- B. Steel I-Beams: For corner attachments, use manufacturer's eye bolts with lock nuts. For intermediate attachments, use the appropriate size manufacturer's girder clips.
- C. Sheet Metal: Use manufacturer's multipurpose cable brackets with self-tapping screws for both corner and intermediate attachments.
- D. Brick, Concrete and Stone: For corner attachments, use manufacturer's expanding corner net bolts. For intermediate attachments, use one of the

following manufacturer's attachments: open or closed net loop, net spike, split pin with anchor rivet or multipurpose cable bracket.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine the installation area and note any detrimental or hazardous work conditions. Notify contracting officer or inspector of the detrimental work conditions.
- B. Do not proceed with installation until conditions are corrected.

3.2 SURFACE PREPARATION

- A. Surface should be thoroughly cleaned and free of bird droppings, nesting materials, rust peeling paint or other debris.
- B. Remove or repair articles that may damage Bird Netting Material after installation, including overhanging foliage, brush and loose parts on the structure.

3.3 INSTALLATION

- A. Install Bird Netting as recommended by the manufacturer. Bird Netting shall fit the area to be protected perfectly so pest birds cannot enter the protected area, and so the netting blends with the architecture.
- B. Bird Netting correct mesh sizes shall be specified to ensure exclusion of the correct pest bird.
- C. Bird Netting shall be installed tightly and securely to ensure a long lasting installation that is visually hard to see.

3.4 INSPECTION

- A. Visually inspect Bird Netting for any signs of poor installation, including loose screws, fasteners or un-removed debris.
- B. Immediately correct and repair as necessary.

END OF SPECIFICATION

4.0 PAYMENT

The price shall include the cost of furnishing of all materials and all labor and equipment to compete the work.

Payment will be made under:

ITEM NUMBER	UNIT	ITEM DESCRIPTION
1100	Lump Sum	BIRD NETTING

PART 3 - SITE PHOTOS





