Section 108113

BIRD CONTROL DEVICES

**PART 1 – GENERAL**

* 1. **SUMMARY**
1. This Section includes:
	1. **PE-Plus Premium Grade Bird Net** to prevent birds from entering, roosting and nesting in areas where they are unwanted, and prevent damage from droppings and nesting materials.
	2. **CONFORMANCE SUBMITTALS**
2. Substitute Products: No substitute products will be accepted.
3. Product Data: Submit manufacturer’s samples, catalog cuts, shop sketches and other descriptive materials.
	1. **CLOSEOUT SUBMITTALS**
4. Maintenance Data
	1. **QUALITY ASSURANCE**
5. Single Source Responsibility: Netting and all parts specified in this section will be supplied by a single manufacturer.
6. Obtain technical literature from the specified manufacturer, telephone consultation and plan/photograph evaluation.
7. Utilize labor or Bird-X authorized installers who are certified in Bird-X Product installations. Proof of certification required.
	1. **PRODUCT HANDLING**
8. Protect PE-Plus Premium Grade Bird Net and hardware system from damage before, during and after installation.
9. If damage occurs to PE-Plus Premium Grade Bird Net, make all replacements immediately.
	1. **WARRANTY**
10. 10-year minimum warranty against material defects and workmanship for black netting, 3-year minimum warranty for white and stone netting.

**PART 2 – PRODUCTS**

* 1. **ACCEPTABLE MANUFACTURER**
1. Bird-X, Inc. (Basis of Design)

845 N Larch Ave., Elmhurst, IL. 60126

Phone: 800.662.5021, Fax: 312.226.2480;

Email: solutions@bird-X.com

[www.bird-x.com](http://www.bird-x.com)

* 1. **PRODUCT DESCRIPTION**
1. Model Designation:
	1. PE-Plus Premium Grade Bird Net (NET-PE)
2. Size: ¾”, 1 1/8”, or 2”
3. Color: Black, White, Stone

	1. **MATERIAL**
		1. **Material**: U.V. Stabilized knotted HDPE net. Non-conductive, flame resistant, rot-proof, waterproof, and stable in subzero temperatures.
		2. **Construction**: 12/6 construction – 6 monofilaments of UV protected HDPE yarn, each 0.012 inch in diameter.
		3. **Sizes**: As required
		4. **Break strength**: ISO 1806 / 9001 protocol mesh tested in excess of 40lbs. Proof of Test Certification Available.
		5. **ISO 1806 Mesh Strength Test**: Peak Load 575 lbs force
		6. **24” Wide Span Orthogonal Strength Test**: Peak load 575 lbs force
		7. **Electrical Properties**: Non-conductive
		8. **UV Stability**: UV protection system of Hindered Amine Light Stabilizers (HALS), Anti-oxidants and weather resistant pigments formulated exclusively for Bird-X.
		9. **Thermal Properties**: Melting point in excess of 270 degrees F. Flame resistant. Can be heated for short periods of time in excess of 500 degrees F.
		10. **Flammability**: Burns slowly in air. Fine filaments tend to melt and drop away before propagating flame.

* 1. **MOUNTING SYSTEMS**
1. **Hardware**: stainless steel recommended for all exterior applications
	1. Corner/Primary Attachments
	2. Intermediate Attachments
	3. Stringing Wire/Cable
	4. Ferrules (Copper or Aluminum)
	5. Turnbuckles
	6. Net Rings

**PART 3 – EXECUTION**

* 1. **EXAMINATION**
1. Examine installation area. Notify Owner’s Agent of detrimental work conditions.
2. Do not proceed until conditions are corrected.
	1. **AREA AND SURFACE PREPERATION**
3. 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 the PE-plus premium grade bird net.
4. Remove or repair articles that may damage the PE-plus premium grade bird net after installation.

* 1. **INSTALLATION**
1. Install as recommended by the manufacturer.
2. Correct mesh sizes shall be specified to ensure exclusion of the correct pest bird.
3. Shall be installed tightly and securely to ensure a long-lasting installation that is visually hard to see.
	1. **INSPECTION**
4. Visually inspect PE-plus premium grade bird bet for poor adherence to mounting surfaces, or other problems related to poor installation or surface preparation.
5. Repair as necessary immediately.