

## Sky Web II® System

### SPECIFICATIONS

#### I. GENERAL

- A. The Fall Protection and Insulation Support System shall be the Sky-Web II® System as furnished by BAY INSULATION SYSTEMS, INC. and installed in accordance with manufacturer's instructions.

#### II. PRODUCT DESCRIPTION

- A. The basic mesh shall be a knotted mesh on a nominal 2 3/4" by 2 3/4" grid. The mesh shall be made from white, twisted twine of DuPont® 6-6 nylon fiber.
- B. Mesh for interior bays shall be made from #21 twine. Mesh for end bays shall be made from #21 twine, except for the outside edge which shall be made from #30 twine for a width of 6 feet. The outside selvage edge of the end bay mesh shall have orange thread markers in the twine.
- C. The mesh shall have a double selvage along the two edges parallel to the length of the mesh.
- D. The mesh shall be furnished up to 66 feet wide by the building width. (A mesh may cover one bay or two bays of building length and will extend eave-to-eave across the building.)

#### III. PHYSICAL PROPERTIES

- A. The twine used to make the mesh shall have a minimum tensile strength of 310 pounds for the #30 twine and 210 pounds for the #21 twine. The twine shall have a yield of 625 feet per pound for the #30 twine and 825 feet per pound for the # 21 twine.
- B. The mesh shall weigh approximately 0.12 ounces per square foot.

#### IV. SKY-WEB II SYSTEM APPLICATION

- A. The roof structural system shall be in place prior to installation of the Sky-Web II® system.
- B. The Sky-Web II® system shall remain in place after the metal roofing is installed.

#### V. FASTENERS AND ATTACHMENT HARDWARE

- A. Connections to eave members and gable members shall be made by looping the mesh into 1/8" wire clips attached to 18-gauge steel straps in accordance with manufacturer's instructions. The steel straps shall be fastened with self-drilling screws in accordance with manufacturer's instructions.
- B. Mesh-to-mesh edge connections shall be made with #36 braided nylon twine cord that is pre-wound on to 1 X 12 lacing "needles" in accordance per manufacturer's instructions. #36 twine shall have a minimum tensile strength of 350 pounds and a yield of 490 feet per pound.

#### VI. FIRE HAZARD CLASSIFICATION

The Sky-Web II® system shall have a Flame Spread Index of zero and a smoke Developed Index of 3.0 or less in accordance with U.L. 723.