

Shade Trellis

1.0 GENERAL

1.01 DESCRIPTION OF WORK

- A. Work in this section includes furnishing and installation of Shade Trellises as manufactured by Datum Wholesale.
- B. Related Items and Considerations
 - 1. Plan for proper attachment to foundation including fastener type, size and locations. Coordinate for foundation or footing structure as require to support trellis loads.

1.02 STANDARDS

- A. All work and materials shall conform to the following standards.
 - 1. ASTM
 - 2. American Welding Society
 - 3. National Fire Protection Agency
 - 4. National Association of Architectural Metal Manufacturers
 - 5. AAMA2064
- B. Performance requirements
 - 1. Trellis must conform to local building codes.
- C. Determine if specific load requirements have been established for trellis and if stamped calculations are required for location in which trellis is installed.
- D. Installer Qualifications: Must have at least 10 years' experience in installation trellis of type and installation method similar to work in this section.

1.03 SUBMITTALS

- A. Shop Drawings
 - 1. Drawings showing all frame dimensions
 - 2. Trellis locations
 - 3. Connection Details
 - 4. Product Information
- B. Frame Finish
 - 1. Choice of standard RAL colors

1.04 WARRANTY

- A. Trellis
 - 1. Manufacturer shall warrant all manufacture supplied components against defects in structural labor and materials for a period of five (5) years commencing on the date of substantial completion.
- B. Installation
 - 2. Installer shall warrant entire scope of installation including connection of trellis to foundation/footing, against defects in all labor and materials for a period of one year commencing on the date of substantial completion.
- C. Finish
 - 1. Standard powder coat finish shall be warrantied for a period of one (1) year by the powder coat applicator.
 - 2. Premium powder coat finish, Kynar or equivalent, shall be warrantied for a period of one (1) years by the powder coat applicator.

2.0 PRODUCTS

2.01 MANUFACTURER

- A. Datum Wholesale, 5107 N. Australian Ave., West Palm Beach, Florida, 33407, 954-541-9745, www.datumwholesale.com

2.02 MATERIALS

- A. Body shall be:
1. 2" x 8" x 1/8" Outer Frame
 2. 2" x 6" x 1/8" Inner Frame
 3. 2" x 2" x 3" Machined Blocks
 4. 1" x 2" Staple-on Extrusion
 5. 4" x 4" x 1/4" Posts
- B. Fabric shall be, choice of below:
1. XXX
- C. All hardware shall be noncorrosive, non-staining bolts, shims and accessory items – minimum 304 stainless steel.

2.03 FRAME FINISH: Powder Coat Finish

- A. General
1. Standard powder coat finish to be polyester powder coated to meet the performance criteria of the AAMA 2604 coating specification.
 2. Premium, Kynar or equivalent, powder coat finish to be polyester powder coated to meet the performance criteria of the AAMA2605 coating specification.
- B. Pre-Assembly
1. Before powder coating, body shall be fully assembled, with welded joints.
 2. Posts shall be painted separately.
- C. Coating performance
1. When tested in dry film hardness shall pass "F Hardness & no film rupture."
 2. When tested in compliance with ASTM D523 & ASTM D2454
 3. Coated frame shall have a minimum salt spray resistance & humidity (>#8) of 3,000 hours without loss of paint adhesion.

2.04 FABRICATION

- A. Aluminum Components
4. To be joined by welding in compliance with ASW standards. All members to be cut so as to form tight joints with no gaps.
 5. Use clean, straight, smooth material that comply with approved plans and shop drawings.

3.0 EXECUTION

3.01 INSPECTION

- A. Installer shall confirm dimensions prior to fabrication.
- B. Confirm surrounding area is ready for shade trellis installation.

3.02 INSTALLATION

- A. Install shade trellis in position indicated in manufacturer's shop drawings.
- B. Installation shall be structurally sound, level and plumb.
- C. Installer to protect finish during handling and erection and complete installation leaving shade trellis in clean condition.