



## PART 1 GENERAL

### 1.1 SECTION INCLUDES

- A. Interior Solar Shading Systems:
  - 1. Florida Sun Screen Solar Roller Shades. (A Better Blind Florida Sun Screen Solar Roller Shades)

### 1.2 RELATED SECTIONS

- A. Section 06 10 00 - Rough Carpentry.
- B. Section 09 21 16.23 - Gypsum Board Shaft Wall Assemblies.
- C. Section 09 51 23 - Acoustical Tile Ceilings.
- D. Section 09 90 00 - Painting and Coating.
- E. Division 16 - Electrical.

### 1.3 REFERENCES

- A. ASTM International (ASTM):
  - 1. ASTM E 21 - Standard Test Method for Elevated Temperature Tension Tests of Metallic Materials.
  - 2. ASTM E 22 - Recommended Practice for Conducting Long Time High Temperature Tension Test of Metallic Materials.
  - 3. ASTM G 21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
  - 4. ASTM G 22 - Standard Practice for Determining Resistance of Plastics to Bacteria.
- B. National Fire Protection Association (NFPA):
  - 1. NFPA 70 - National Electrical Code.
  - 2. NFPA 701 - Fire Tests for Flame-Resistant Textiles and Films.
- C. Underwriters Laboratories Inc. (UL).

### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Submit manufacturer's product data sheets, including installation details, styles, material descriptions, profiles, features, finishes and operating instructions.
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Mounting details and Installation methods.
  - 4. Typical wiring diagrams if applicable.

- C. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, product details and finishes, installation details, operational clearances, wiring diagrams if applicable, and relationship to adjacent work.
- D. Window Treatment Schedule: Submit a schedule with same room designations indicated on the Drawings; including but not limited to opening sizes and key to typical mounting details.
- E. Maintenance Data: Submit instructions and precautions for cleaning and maintenance, operating hardware and controls as applicable.
- F. Selection Samples:
  - 1. Frame and Component Finishes: Submit 2 sets of samples, representing manufacturer's standard range of finishes specified for aluminum.
  - 2. Fabric: Submit 2 sets of samples, representing manufacturer's standard range of options for shade cloth.
  - 3. Aluminum Slats: Submit 2 sets of samples, 6 inches long, representing manufacturer's standard range of finishes specified for aluminum slats.
- G. Verification Samples:
  - 1. Frame and Component Finishes: Submit 2 samples, representing actual finishes specified for aluminum.
  - 2. Fabric: Submit 2 samples, representing actual products specified for shade cloth.
  - 3. Aluminum Slats: Submit 2 sets of samples, 6 inches long, representing actual finishes specified for aluminum slats.

#### 1.5 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Engaged in manufacturing of products of similar type to that specified, with a minimum of 10 years successful experience.
- B. Installer Qualifications: Minimum 2 years successful experience installing similar products.
- C. Single Source Requirements: To the greatest extent possible, provide products specified in this section from a single manufacturer.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site protected from damage.
- B. Storage: Store materials in clean, dry area indoors in manufacturer's unopened packaging until ready for installation and in accordance with manufacturer's instructions. Store in a clean, dry area, laid flat to prevent sagging and twisting of packaging.
- C. Handling: Protect materials and finish from damage during handling and installation.

#### 1.7 PROJECT CONDITIONS, COORDINATION AND SEQUENCING

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
  - 1. Building shall be enclosed; windows, frames and sills shall be installed and glazed.
  - 2. Wet work shall be complete and dry.
  - 3. Ceilings, window pockets, electrical and mechanical work above window covering shall be complete.
- B. Conference: Convene a pre-installation conference to establish procedures to maintain optimum working conditions and to coordinate this work with related and adjacent work.

## 1.8 TYPE OF WARRANTY

- A. Manufacturer's Warranty:
  - 1. Provide 5 year warranty on all A Better Blind products sold by A Better Blind or by an authorized dealer.

## 1.9 EXTRA MATERIALS

- A. Attic Stock: Provide two extra shades of primary size used for Owner's replacement stock.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: A Better Blind, which is located at: 5350 NW 165th St, Hialeah, FL 33014; Tel: [\(305\) 623-4855](tel:3056234855); Email: [info@abetterblind.com](mailto:info@abetterblind.com) Web: [www.abetterblind.com](http://www.abetterblind.com)

### 2.2 SHADING SYSTEMS - GENERAL

- A. Shade Configuration: Single shades as scheduled and indicated on Drawings.

### 2.3 MANUALLY OPERATED SOLAR ROLLER SHADING SYSTEMS

- A. Shading Systems: Florida Sun Screen Solar Roller Shades as manufactured by A Better Blind.
- B. Fabric:
  - 1. Light Fastness: AATCC 116-1998 OPTION A
  - 2. Light Blocking Effect: AATCC 148-1989
  - 3. Tearing Strength: (KG) ASTM D2261-1996 CRE
  - 4. Breaking Strength: (KG/5CM) ASTM D5035-1995, STRIP METHOD
  - 5. Flammability: (IN/12 SEC) FTMS 191A 5903.1-1989

Choose color(s) and openness factor or select from Option 3, 4 or 5.

- 6. Color:
  - a. White Beige
  - b. White Creme
  - c. White Grey
  - d. White White
- 7. Fabric Openness:
  - a. 1% (White White Only)
    - 1) Yarn Count 58 x 46
    - 2) 250 D Thick
    - 3) 16.22 OZ / SQY Weight
    - 4) 20% Polyester, 80% PVC
  - b. 3%
    - 1) Yarn Count 48 x 48
    - 2) 0.022 In. Thick
    - 3) 12.09 OZ / SQY Weight
    - 4) 20% Polyester, 80% PVC
  - c. 5%
    - 1) Yarn Count 38 x 38
    - 2) 0.0295 In. Thick

- 3) 15.04 OZ / SQY Weight
      - 4) 20% Polyester, 80% PVC
    - d. 10%
      - 1) Yarn Count 38 x 35
      - 2) 0.0295 In. Thick
      - 3) 14.45 OZ / SQY Weight
      - 4) 20% Polyester, 80% PVC
  - 8. As scheduled and indicated on Drawings.
  - 9. As selected by Architect from manufacturer's standard fabric range.
- C. Components: Fabricate such that shade hangs flat without buckling or distortion.
- 1. Clutch Mechanism: Corrosion resistant glass reinforced polyester thermopolymer for wear resistance and smooth operation. Internal braking mechanism shall be a bi-directional wrap spring. Provide a heavy-duty spring that creates a positive mechanical relationship between the roller shade tube unit and the universal installation brackets to ensure stationary positioning in the static state. When activated the wrap spring shall release and permit the clutch to turn while reducing friction on the clutch.
  - 2. Control Loops: Bead stops attached to the chain protect shade from over rotation.
  - 3. Roller Tubes: Extruded-aluminum tubes engineered with a chamfered channel to accept fabric spline and allow fabric to lay across the tube without adding crease lines. The diameter and wall thickness to be determined by manufacturer based on fabric selection and shade size to provide minimal deflection and optimal performance.
    - a. Standard
    - b. Galaxy 400
  - 4. Idle End Cap: High strength, fiberglass-filled nylon provide secure anchorage into end bracket
  - 5. Chain: Qualified No. 10 stainless steel ball chain. Rated at 90lbs breaking strength.
    - a. Plastic chain available in coordinating colors
      - 1) Stainless Steel (Standard)
      - 2) White
      - 3) Off White
      - 4) Bronze
      - 5) Black
  - 6. Hembars:
    - a. Three Sided Welded Pocket (Bottom Weight): Aluminum extrusion one inch in height held inside a fabric bottom pocket. The bottom pocket shall be created by folding a 1-1/4 inch section of fabric behind the bottom of the shade and RF or impulse welding the fabric to itself. Upon request, after the aluminum weight is inserted into the bottom pocket the edges shall be sealed by again RF or impulse welding the fabric edges to itself.
    - b. External Exposed Hembar, Tear Drop Shaped: Powder coated or anodized aluminum extrusion attached at bottom of shade and enclosed with plastic end caps.
    - c. External Exposed Hembar, Slim: Powder coated or anodized aluminum

extrusion attached at bottom of shade and enclosed with plastic end caps.

D. Installation Brackets:

1. Tube Mounting Brackets: Universal type, capable of attachment at top, face, and with left hand or right hand controls. If selected without Valance/Fascia, bracket color shall be zinc plated or white painted finish as selected. Size shall be as required for each condition, and as indicated on approved submittals.
  - a. Standard
  - b. Rollease

E. Accessories:

Recommend specifying valance/fascia to conceal roller if they are exposed.

Choose one or if varies by room add line noting which rooms receive which application.

1. Metal Flat Fascia: Provide an aluminum fascia to conceal the roller shade tube mechanism. Fascia shall have a wall thickness of 5/16", with paint finish in color as selected. The fascia shall be attached to the tube mounting brackets by snapping it into place on a hinge rib clip. Size shall be as required to conceal the roller tube and rolled-up shade fabric. Where ends of fascia are exposed, color coordinated end caps will be provided.
  - a. Size:
    - 1) 3"
    - 2) 4"
  - b. Color:
    - 1) Black
    - 2) Bronze
    - 3) Anodized
    - 4) White
2. Curved Fascia with Matching Fabric Insert: The curved fascia valance shall be attached to the tube mounting brackets by snapping it into place on a hinge rib clip. Size shall be as required to conceal the roller tube and rolled-up shade fabric. Where ends of fascia are exposed, color coordinated end caps will be provided.

## 2.4 PREPARATION

- A. Inspect mounting surfaces, blocking for shade brackets or pocket assemblies, suspended acoustical or gypsum ceiling for recessed shades and verify field measurements. Prepare substrates using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- B. Do not proceed with installation until substrates have been prepared using the methods recommended by the manufacturer and deviations from manufacturer's recommended tolerances are corrected. Commencement of installation constitutes acceptance of conditions.

- C. If preparation is the responsibility of another installer, notify Architect in writing of deviations from manufacturer's recommended installation tolerances and conditions.

## 2.5 INSTALLATION

- A. Install window treatments in accordance with manufacturer's instructions including the following.
  - 1. Install with adequate clearance to permit smooth operation of the shades throughout entire operational range.
  - 2. Adjust and balance window coverings to operate smoothly, easily, safely, and free from binding or malfunction throughout entire operational range.

## 2.6 CLEANING AND PROTECTION

- A. Clean surfaces after installation in accordance with manufacturer's written instructions. Do not use cleaning methods involving heat, bleach, abrasives, or solvents.
- B. Protect installed products until completion of project. Repair damaged or improperly installed before Substantial Completion.

END OF SECTION