

# BASE SPECIFICATION GUIDE

## SIGNATURE SERIES 2" HORIZONTAL ALUMINUM MAXI BLINDS

### PART I- GENERAL

#### 1.01 REQUIREMENTS

- A. Provide and install **Signature Series Blinds** manufactured by **CACO, Inc.** in agreement with all specifications, drawings and contract correspondence.
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#### 1.02 SUBMITTALS

- A. Provide manufacture's product data and installation information per type of blind specified.
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### PART II - PRODUCTS

#### 2.01 HORIZONTAL MAXI BLINDS

A. **CACO Inc., Custom Signature Series 2" Aluminum Maxi Horizontal Maxi blinds.**

B. Materials

1. **2" Aluminum Maxi** head rail is a "U" shaped configuration; dimensions are 2" high by 2 1/4" deep with rolled edges at the top. Fabricated steel is 0.024-inch thick (before paint) and iron phosphate treated. Head rail is acrylic primed with a finish coat of baked on polyester enamel to color coordinate with bottom rail, end support brackets and slats.
  - a. Head rail shall incorporate a steel end brace with an adjustable tab for reinforcement.
2. **Operating hardware** is of a snap in design and is positioned to allow precise alignment.
3. **Tape roll supports and tape rolls: 2" Aluminum Maxi (Braided Ladder)** tape roll supports are made of low friction thermoplastic, which are self lubricating and maintenance free for smooth operation and diminished wear on lift cords and braided ladders. The support also provides the tape roll with smooth bearing points and centers it over the ladder guide hole. Tape rolls are constructed of low friction thermoplastic and designed to hold tape end by means of a "U" shaped brass grommet, which shall be inserted into tape rolls, allowing for a more precise placement of ladders when secured. As a result this gives the top slat a near level bearing position. Tape rolls shall include a projecting thermoplastic cylindrical collar integrated on each end, tilt rod is centered through both tape drum and collar projection. Self-lubricating thermoplastic collars are designed to snap securely into tape drum supports allowing for a near effortless tilting operation. **2" Aluminum Maxi (Cloth Tapes)** tape roll supports and tape rolls are constructed of thermoplastic. Tape roll supports utilize a nylon pulley system to guide lift cords through head rail. **2" Aluminum Maxi (Cloth Tapes)** tape rolls are designed to hold cloth or vinyl tape ends firmly by means of stapled loops and provides a full tilting action.
4. **Crash-proof cord lock:** This component shall be a snap-in design and has a nylon roller, which the cord smoothly passes over. A secured steel roller onto a hinged lock facilitates "crash-proof" feature. Locking mechanism secures the blind the cord is released. The cord ends are knotted and are made of low friction thermoplastic, which are equipped with color coordinated cord tassels.
  - a. An optional lift cord ring pull is available in lieu of cord tassels and shall be supplied with a standard 4-inch control length.
5. **Tilters: 2" Aluminum Maxi** are available with either standard wand tilter or optional cord tilter. The standard wand tilter is a precise self-lubricating thermoplastic worm and gear mechanism, with fully enclosed plastic housing. The highly accurate cord tilter utilizes a corrosion resistant steel worm and gear system, enclosed in a high impact plastic body which incorporates a spool protector that prevents the cord from slipping off of the spool. The cords operate smoothly by an incorporated pulley and cord guide. Both precise tilter systems are designed to hold slats at any angle without movement. Color coordinated plastic tassels are provided with cord tilt.
  - a. Optional tilt ring shall be attached to the tilter shaft in lieu of a wand, allowing for the field provision of a pole hook to operate.
6. **Tilt wand: 2" Aluminum Maxi** wand is composed of clear plastic, which is hexagonal in shape and measures 3/8-inch across. Wand shall be attached or detached to tilter shaft via a metal clip which is secured to the wand section.
7. **Tilt rod:** This component, square in shape, is composed of solid galvanized steel and provides an instant tilting response. Diameter measurement across is 1/4inch.
8. **Aluminum Slats:** Slats are composed of aluminum alloy with a recycled material content of 41.53% (a letter of compliance is on file for LEED qualifying projects) which provides maximum strength, flexibility and resistance to varying corrosive elements. Slats shall be nominally 2-inches in width. Before painting, slats shall have a pre-coated treatment to adhere and bond with finish coat of baked on polyester enamel.
  - a. Before painting, .008 slat thicknesses are .0073 (± .0003). After painting standard colors, .008 (± .0003).
9. **Fully enclosed steel bottom rail:** Bottom rail shall be made of roll formed steel, sculptured in design for maximum strength with a double lock seam. The fully enclosed steel bottom rail is 0.024-inch thick (before paint) and iron phosphate treated to adhere and bond with a finish coat of polyester baked on enamel to color coordinate with head rail, slats and end support brackets.
  - a. Thermoplastic end caps are color coordinated with bottom rail.
  - b. Tape retainers are fabricated from corrosion resistant steel and have a finish coat to color coordinate with bottom rail.
10. **Tapes and ladders (ladder tape):** Standard color coordinated braided ladders shall be constructed of polyester yarn with a double crossed inter-braided cable thread design, for maximum slat support and minimum stretch. Slats shall be supported by ladder tape without any visible distortion. Ladder rung distances shall not exceed 44 mm (6.9 slats per vertical foot).

Distances between ladders shall not exceed 20-inches, nor shall distance from end of ladder to end of slat not exceed 6 – inches. **Optional** 1 ½” and 1” cloth tapes (in varying colors) are constructed of high strength polyester. Spacing shall not exceed 42 mm.

11. **Lift cords:** Color coordinated lift cords shall be constructed of a braided polyester jacket with a rayon center core or approved equal. Cords shall be of sufficient length to properly facilitate the raising and lowering of blind. Diameter of cord shall be 1.8 mm (+-0.1 mm). Color coordinated plastic tassels are attached to facilitate lifting.
12. **End support bracket:** Galvanized steel installation bracket with riveted hinged cover shall be 0.038-inch thick (before paint). The outside surface has a finish coat of baked polyester enamel to color coordinate with head rail, slats and bottom rail.
  - a. Intermediate support brackets are furnished for blinds 48-inches wide or as required. Maximum spacing for brackets shall be 30-inches.
  - b. Optional extension brackets are available.
13. **Packaging:** Corrugated 44 ECT cardboard packaging consists of 100% recycled material that is also 100% recyclable (a letter of compliance is on file for LEED qualifying projects).
14. **General: Signature Series 2” Aluminum Maxi** shall be manufactured exempt of any sharp edges, burrs or other defects. **CACO, Inc.** will extend a limited life-time warranty on **2” Aluminum Maxi Blinds**. Every horizontal blind that is properly installed is guaranteed to be free from defective components for the warranty duration, as long as the blind remain in the same window as originally installed. This obligation is limited to repair and replacement of components found defective. This guarantee does not include any conditions resulting from damages caused by accidents, alterations, misuse, abuse, or failure to follow instructions with respect to cleaning or maintenance.
15. **Size limitations:**
  - a. Maximum width: 120-inches
  - b. Maximum length: 126-inches

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## 2.01 FABRICATION

- A. Prior to fabrication, verify actual opening sizes by measuring on site. Calculate blind dimensions to fit within specified tolerances.
- B. Fabricate blinds to fill opening from top of window to sill and jamb to jamb. The minimum clearance blind to blind shall be 1/4-inch. Locate blind divisions at mullions.

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## PART III - EXECUTION

### 3.01 INSPECTION

- A. Work area in which blinds will be installed should be free of conditions that interfere with blind installations and operations. Begin blind installation only when unsatisfactory conditions have been corrected.

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### 3.02 INSTALLATION

- A. Install blinds in accordance with manufacture's installation procedures except as otherwise specified.
- B. Install intermediate support brackets and extension brackets as needed to prevent deflection in head rail.
- C. Install blinds with adequate clearance to permit smooth operation of blinds and any sash operations. Hold blinds 1/4-inch clear from each side of window openings on inside mount unless other clearance is indicated.

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**3.03 CLEANING** It is recommended to keep Provident blinds clean and free of dust, they be dusted with a soft non-abrasive cloth, or they may be vacuumed periodically using a hose and soft brush attachment. Clean soiled blind surfaces with a mild soap solution. Do not use steam, hot water, bleach, or any caustic, abrasive or solvent based cleaners or this will void all warranties.

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### 3.04 HORIZONTAL BLIND SCHEDULE

- A. Provide blinds at the following locations: Listing blind locations, different options, types, accessories and colors.



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