

BASE SPECIFICATION GUIDE SIGNATURE SERIES KINGSPORT ALUMINUM HORIZONTAL 1" MINI 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 manufacturer's product data and installation information per type of blind specified.
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PART II - PRODUCTS

2.01 HORIZONTAL BLINDS

A. CACO, Inc. custom **Signature Series/Kingsport Horizontal Blinds.**

B. Materials

1. **Signature Series/Kingsport** head rail is a "U" shaped configuration; dimensions are 1" high by 1" 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 and end support brackets.
 - a. Head rail shall incorporate steel end stiffeners with adjustable tabs for reinforcement and field adjustment.
2. **Operating hardware** is of a snap in design and positioned to allow precise alignment.
3. **Tape roll and tape roll supports:** Component is made of acetyl, low friction thermoplastic, which is 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 clinch tape ends by snapping on clamp type tape roll to metal tilt rod, which also prevents any accidental side movement.
4. **Crash-proof cord lock:** This component is a thermoplastic bodied unit and shall be of a snap-in design. The lift cord smoothly passes over a curved metal insert and has a floating geared roller which provides the cord lock with a "crash-proof" safety feature, which locks the blind automatically whenever the cord is released. The ends of the cords are knotted allowing for cord tassels. Cord lock is designed with a built in cord separator that prevents multiple cords from twisting as they enter through the cord lock.
 - 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. **Tilter:** Precise tilter holds slats at any angle without movement. Worm and gear system and fully enclosed housing are constructed of clear .080-inch thick thermoplastic.
 - 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:** A length of clear solid plastic rod facilitates direct engagement of tilter. Wand shall be multisided, with a cross-section measuring 3/8-inch across the points. Wand length is determined by appropriate schedule of blind drop, unless otherwise noted. Wand shall be attached or detached to tilter shaft via metal clip, which shall be secured by pressure.
7. **Tilt rod:** This component, square in shape, is composed of solid steel and provides an instant tilting response. Diameter is 0.156-inch at its widest point.
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 1-inch in width. Before painting, slats shall have a pre-coated treatment to adhere and bond baked on polyester enamel.
 - a. Before painting, .006 slat thickness is .00575 (± .0003). After painting standard colors, .0070 (±.0003).
9. **Braided ladder (ladder (ladder tape):** 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 22.5mm (13.5 slats per vertical foot). Distances between ladders shall not exceed 22-inches, nor shall distance from end of ladder to end of slat not exceed 6-inches.
10. **Lift cords:** Color coordinated lift cord 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 the blind. Diameter of cord shall be 1.4mm (+ - 0.1 mm).
 - a. Cords shall be equipped with color coordinated tassels or an optional ring pull.
11. **Bottom rail:** Steel roll-formed **Signature Series/Kingsport** bottom rail shall be of an open "C" design. The fabricated steel bottom rail is 0.024-inch thick (before paint) and iron phosphate treated. Bottom rail is acrylic primed, then finished with a coat of polyester baked on enamel to color coordinate with head rail, slats and end support brackets.
 - a. Color coordinated thermoplastic end caps and tape retainers are designed to prevent any marring on window sill or mullion.

- 12. End support bracket:** Steel installation bracket with riveted hinged cover shall be 0.036-inch thick (before paint). For corrosion resistance, brackets are electro-galvanized before paint. The entire metal surface has a finish coat of baked on polyester enamel to color coordinate with head rail, slats and bottom rail.
- Intermediate support brackets are furnished for blinds 60-inches wide or as required. Maximum spacing for brackets shall be 48-inches.
 - Optional extension brackets are available.
 - Optional sill-type and jamb-type hold down 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. Warranty: Signature Series/Kingsport Blinds** shall be manufactured exempt of any sharp edges, burrs or other defects. **CACO, Inc.** will extend a limited 5 year warranty for every horizontal blind properly installed is guaranteed to be free from defective components and workmanship for as long as the blind remains in the same window as originally installed. This obligation is limited to repair and replacement of components found to be 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:**
- Maximum width: 120-inches
 - Maximum length: 108-inches

2.02 FABRICATION

- Prior to fabrication, verify actual opening sizes by measuring on site. Calculate blind dimensions to fit within specified tolerances.
- 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.

PART III - EXECUTION

3.01 INSPECTION

- 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.

3.02 INSTALLATION

- Install blinds in accordance with manufacture's installation procedures except as otherwise specified.
- Install intermediate support brackets and extension brackets as needed to prevent deflection in head rail.
- 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.

3.03 CLEANING

- Clean soiled blind surfaces with a mild soap solution. Do not use steam, hot water, bleach or any abrasive or solvent based cleaners. Do not wash metallic's.
- To ensure proper drying, provide adequate ventilation for blinds. Remove bottom rail end caps and tip head rail and bottom rail to drain water.

3.04 HORIZONTAL BLIND SCHEDULE

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



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