

Specification for Model CFS
Fixed wood roof window

Part 1 – General

- 1.01 This section covers all work necessary to the execution and completion of skylights as shown on drawings and specified herein.
- 1.02 Work includes design, fabrication, and glazing of skylight assembly
- 1.03 Fixed wood roof windows shall be Columbia model _____ as manufactured by Columbia Manufacturing Co. Ltd., 4575 Tillicum Street, Burnaby, British Columbia, Canada V5J 3J9.
- 1.04 All wood roof windows must be installed on a minimum 3:12 pitch roof and in combination with Columbia CS flashing kit, or warranty is void..
- 1.05 Columbia warranty includes 20 years against insulated glass seal failure and 10 years against manufacturers' material or workmanship defects, as outlined in the Columbia warranty certificate.

Part 2 – Materials & Manufacturing

- 2.01 The skylight base frame shall be vinyl extrusion (rugged, impact resistant vinyl, superior to aluminum in reducing thermal conductivity.) Wall thickness on all exterior walls shall be minimum .060" (1.5mm). The corners shall be fusion welded to ensure a leakproof frame. Four sided, large capacity condensation gutter with weep holes in all four (4) corners shall be an integral part of the unit. The co-extruded (santoprene) gasket acts as a water and air tight seal between the base frame and insulated glass unit.
- 2.02 Built in wood curb to be kiln dried Douglas Fir 5" x 1 1/8" with no fingerjoints. Requires transparent or opaque finish.
- 2.02 Aluminum extruded frame shall be alloy 6063-T5 or 6063-T6 with minimum wall thickness of .062" (1.58mm); within industry tolerances. Exterior frame supplied with baked enamel paint finish in Rideau brown (black, white, or sandalwood also available).
- 2.03 Glazing Materials- Columbia can supply almost any variation or combination of glazing products. If the glass type is not found in the **GLAZING OPTIONS** section, contact the Columbia customer service department.
 - A. 1" overall dual seal insulated glass units. Made up of (clear, bronze, Low E, white, other) tempered glass exterior, airspace (or argon gas filled airspace) and tempered or laminated glass interior. Glass thickness as required by span and loads.
- 2.04 All exterior fasteners in frame shall be 300 series stainless steel.
- 2.05 The skylight assembly shall be air tight with no air paths to connect interior building to exterior elements.
- 2.06 A gasket shall be provided between all points of contact between glass, aluminum, and vinyl surfaces.

Part 3 – Installation

- 3.01 Install skylight in accordance with manufacturer's installation instructions.
- 3.02 All wood roof windows must be installed on a minimum 3:12 pitch roof and in combination with Columbia CS flashing kit, or warranty is void.
- 3.03 Wood roof window to be fastened to roof deck with supplied (zinc) plated mounting brackets and series 300 stainless steel fasteners.
- 3.04 Wood roof window frame to recess 1.5" below roof deck.
- 3.05 Use of ice and water shield (rubber membrane) required as secondary seal.
- 3.06 Subsequent to installation of the skylight, the contractor/customer shall be responsible for the cleanup and protection of all materials provided per this section, including glazing materials and framing members. No abrasive materials of any kind shall be used in cleaning of skylight surfaces.