



**Renaissance Conservatories
Standard General Specifications
Custom Architectural Series
1/1/2008**

1. Drawings: The Manufacturer to submit shop drawings for approval prior to the start of fabrication.
2. Manufacturer: Drawings and contract documents to be based on products manufactured or supplied by Renaissance Conservatories, 132 Ashmore Drive, Leola, Pennsylvania 17540, toll-free phone 800-882-4657, phone 717-661-7520, fax 717-661-7727, web site www.RenaissanceConservatories.com
3. Framing Species: Exposed framing to be kiln-dried [select one] [Genuine Mahogany (*Swietenia macrophylla*), Cedro Mahogany (*Cedrela odorata*), Western Red Cedar (*Thuja plicata*), or as otherwise specified]. Some concealed blocking, concealed structural framing, or concealed structural elements may be SPF (spruce, pine, fir) or engineered lumber.
4. Doors: Doors and Screen/Storm Doors to be pre-hung by the manufacturer in full depth jambs. Doors to be custom-sized per shop drawings. In-swing door thresholds to be adjustable type, [select one] [mill finish, dark bronze] aluminum with oak rail and interior nosing, as manufactured by Imperial Products, or extruded solid bronze as manufactured by Zero International. Out-swing doors to have non-removable pin hinges and fixed out-swing thresholds, [select one] [mill finish, dark bronze] aluminum with an interior oak stop and nosing as manufactured by Imperial Products, or extruded solid bronze as manufactured by Zero International.

Prime Doors to be hand selected kiln-dried 2-1/4", 1-3/4" (or as specified) laminated solid lumber to match framing species. Prime Door style to be [select one] [authentic floating raised panel, full-view] or as otherwise specified. Joinery to be glued mortise and tenon with manufacturer's proprietary blind locking pin(s).

All laminated door members will be made from (minimum) double 5/4 (nominal) timbers, finish milled to final dimensions. Wood will be pressure laminated for a minimum of eight (8) hours, at a minimum of 70 degrees Fahrenheit, and at a minimum of 50 pounds per square inch (50 psi), utilizing R-14 HV Resorcinol Resin Adhesive as manufactured by National Casein, applied in accordance with the manufacturer's recommended procedures.

Prime Door hardware to include 1-1/2 pair 4" x 4" solid brass hinges (finish to match lock trims). Single prime door locking to be US Cremona 3-Point Lever Locking System as manufactured by Gretschi-Unitas (G-U). Paired prime door locking to be 5-point. G-U lever and escutcheon style to be [select one] [Florence, Capri, Milan, Venice, Roma]. G-U lock trim finish to be [select one] [01-Satin Chrome, 02-Polished Chrome, 03-Polished Brass, 04-Antique Brass, 05-10B Finish, 06-Pewter Finish, 07-White Powder Coated]. Custom lock trim, compatible with G-U lock sets such as manufactured by Rocky Mountain Hardware, Baldwin Hardware, Stone River Bronze, and others can be specified.

Screen/Storm Doors to be hand-selected kiln-dried 1-3/4", 1-3/8" (or as specified) solid laminated lumber to match framing species. Screen/Storm Door style to be [select one] [authentic floating raised panel, full view] or as otherwise specified, with interchangeable aluminum-framed screen/storm panels. Joinery to be glued mortise and tenon with manufacturer's proprietary blind

locking pin(s).

Screen/Storm Door hardware to include 1-1/2 pair 3-1/2" x 3-1/2" solid brass hinges and surface-mounted solid brass Model SCL82 latch (with privacy feature). Lock trim finish to complement selected prime door lock trim finish.

Interchangeable screen and storm frames to be pre-finished extruded aluminum in a finish color to be specified.

Insect screen cloth to be [select one] [charcoal aluminum, charcoal vinyl-coated fiberglass, bronze, Gore inLighten Virtually Invisible] as specified.

5. Sash: All operating and fixed sash to be direct-set into framing openings (without jambs), and to be custom-sized as specified.

Sash to be hand selected kiln-dried 1-3/4" x 1-5/8" with a 2-3/16" bottom rail laminated solid lumber to match framing species. Joinery to be mortise and tenon glued and pinned.

All laminated sash members will be made from (minimum) double 5/4 (nominal) timbers, finish milled to final dimensions. Wood will be pressure laminated for a minimum of eight (8) hours, at a minimum of 70 degrees Fahrenheit, and at a minimum of 50 pounds per square inch (50 psi), utilizing R-14 HV Resorcinol Resin Adhesive as manufactured by National Casein, applied in accordance with the manufacturer's recommended procedures.

Casement hardware to have a [select one] [01-Aluminum, 02-Black, 03-Bronze, 08-Coppertone, 09-Gold, 13-Brass, 19-Brushed Copper Nickel, 22-Clay, 23-Chestnut Bronze, 24-Beige, 26-Cocoa Brown, 32-White, 37-Off White, 78-White] baked enamel painted finish and to include surface-mounted single arm roto-gear operator, concealed hinges, and matching sash locks as manufactured by Truth Hardware.

Awning hardware to have a [select one] [01-Aluminum, 02-Black, 03-Bronze, 08-Coppertone, 09-Gold, 13-Brass, 19-Brushed Copper Nickel, 22-Clay, 23-Chestnut Bronze, 24-Beige, 26-Cocoa Brown, 32-White, 37-Off White, 78-White] baked enamel painted finish and to include surface-mounted single arm roto gear operator, concealed hinges and matching sash locks as manufactured by Truth Hardware.

Motorized Awning Sash: Motor drives to be Marvel Power Window System as manufactured by Truth Hardware with [select one] [03-Bronze, 38-White] finish.

Insect screens to have rigid pre-finished aluminum frames with [select one] [bronze, white, beige] baked enamel painted finish, or custom color powder coat finish as specified.

Insect screen cloth to be [select one] [charcoal aluminum, charcoal vinyl-coated fiberglass, bronze, Gore inLighten Virtually Invisible] as specified.

6. Operating Roof Vents: Roof vents to be hand selected kiln-dried 1-3/4" (or as otherwise specified) laminated solid lumber to match framing species. Vents to be exterior clad in [select one] [copper, lead coated copper, aluminum, Rheinzink, or tern-plated stainless steel] in a finish as specified. Vents to be completely removable from base and to be [select one] [manually operated, motorized] on a continuous ball hinge with removable insect screens.

Motorized Roof Vents: Motor drives for vents weighing up to 90 pounds to be Marvel Power Window System as manufactured by Truth Hardware with [select one] [03-Bronze, 38-White] finish. Motor drives for vents weighing in excess of 90 pounds to be Sentry II HS Motor System as manufactured by Truth Hardware with [select one] [03-Bronze, 23-Chestnut Bronze, 24-Beige, 32-White] finish.

Insect screens to have rigid pre-finished aluminum frames with [select one] [bronze, white, beige]

baked enamel painted finish, or custom color powder coat finish as specified.

Insect screen cloth to be [select one] [charcoal aluminum, charcoal vinyl-coated fiberglass, bronze, Gore inLighten Virtually Invisible] as specified.

7. Glass: All insulating glass to be [select one] [double, triple] insulating dual seal with a butyl primary seal and a neutral-cure silicone secondary seal. Vertical glass to be clear insulating glass, annealed or tempered as specified. Roof glass to be clear insulating glass, tempered outboard lite, heat-strengthened laminated inboard lite, or as otherwise specified. Custom tints, high performance coatings, inert gas fills and captured air spacers as specified.

If required, [select one] [sloped, vertical, sloped and vertical] glazing to be [select one] [storm impact rated, hurricane certified].
8. Fasteners: The Manufacturer to provide all fasteners necessary for unit assembly and glazing. Exposed fasteners to be brass or stainless steel.
9. Cresting & Finial Posts: [Select one] [Copper, lead-coated copper, aluminum, composite, wood] from standard offerings or custom as specified.
10. Appliques, Trims & Architectural Detailing: From standard offerings or custom as specified.
11. Art Glass: Custom as specified.
12. Structural Components: Structural steel to be concealed and prime painted or finished as otherwise specified.

Tension rod collar ties to be prime painted or finished as otherwise specified. Decorative rosettes to be [select one] [lead-coated etched flash glass, copper, aluminum, composite, wood] from standard offerings or as otherwise specified.
13. Roof Caps: Caps to be manufacturer's proprietary 2-part extruded aluminum with snap-in neoprene gaskets in a finish as specified or manufacturer's [select one] [copper-wrapped, lead coated copper-wrapped, aluminum-wrapped, Rheinzink-wrapped, tern-plated stainless steel] wood caps in a finish as specified.
14. Eaves Detailing: When specified, the exterior eaves to have an integrated rain gutter in [select one] [copper, lead-coated copper, aluminum, lined wood] in a finish as specified.
15. Flashing and Brake Metals: Supplied flashing and Brake Metals to be [select one] [bronze, white, custom color] baked enamel painted or powder coated aluminum, or [select one] [copper, lead-coated copper, Rheinzink, tern-plated stainless steel].
16. Glazing Tapes: Supplied glazing tapes to be black preformed cellular type, consisting of a flexible closed cell polyolefin foam substrate with a high performance pressure sensitive acrylic adhesive system on both sides.
17. Sealants: Supplied sealants to be one-part low modulus neutral cure silicone.
18. Finish: All [select one] [interior, exterior, interior and exterior] wood surfaces to be factory-primed with one (1) coat of [select one] [clear wood sealer, Ultra-Hide Aquacrylic Gripper Stain Killer Primer Sealer]. All surfaces to be backside primed prior to component assembly.

All [select one] [interior, exterior, interior and exterior] wood surfaces to receive [select one] [one, two] factory-applied coats of latex finish paint in a color as specified.



**Renaissance Conservatories
Signature Revival Series Specifications
1/1/2008**

The following specifications are specific to *Renaissance Revival Series* Detailing, and supersede the *Standard General Specifications*.

1. Sash: Sash framing to be hand-selected kiln-dried 1-3/4" x 1-5/8" with a 2-3/16" bottom rail laminated solid lumber to match framing species. Joinery to be mortise and tenon, glued and pinned.

All laminated sash members will be made from (minimum) double 5/4 (nominal) timbers, finish milled to final dimensions. Wood will be pressure laminated for a minimum of eight (8) hours, at a minimum of 70 degrees Fahrenheit, and at a minimum of 50 pounds per square inch (50# psi), utilizing R-14 HV Resorcinol Resin Adhesive as manufactured by National Casein, applied in accordance with the manufacturer's recommended procedures.

Sash to be glazed with a tooled 1/2" x 5/8" putty profile exterior wood glazing stop and an integral beaded profile wood interior glazing stop.

All sash openings (operating and fixed), and all direct-set openings to have integrated 11/16" (1/4" radius) beaded full surround moldings.

When specified, head jambs to have an integral recessed cavity with a variable height matching beaded valence to house and conceal rolling insect screens or retracting privacy/sun control blinds.

All simulated divided lites to be double-sided tape-applied appliques [select one] [7/8", 1-3/8", custom as specified] tooled putty-like profile exterior and 7/8" beaded profile interior with captured between-the-glass bronze spacer bars, or as otherwise specified.

All true divided lites to be single-glazed with [select one] [7/8", 1-3/8", custom as specified] full-depth [select one] [wood, putty-glazed] stops, or as otherwise specified.

Push-Pull Sash Hardware: When specified, casement and awning hardware to be *Renaissance Revival Series* solid bronze push-pull operators with thumbscrew keepers, security bar locks, and matching dual sash locks. Finish to be [select one] [brushed brass (2104), oiled bronze (2105), white bronze (0125)], or as otherwise specified.

Roto Gear Sash Hardware: When specified, casement and awning sash to operate on Truth Entrygard System with cast bronze window trim cranks and covers (Model WC100) as manufactured by Rocky Mountain Hardware. Finish to be [select one] [silicone bronze light, silicone bronze dark, white bronze light] or as otherwise specified.

2. Insect Screens: [Select one] [rigid, retractable rolling].

Rigid Insect Screens to be designed to remain in place through the full operating cycle of the operating sash.

Retractable Rolling Insect Screens to be designed to remain in place through the full operating cycle of the sash, and to be concealed behind a variable height integral wood valence when retracted. Screen fabric to be ultra-sheer fiberglass mesh coated with PVC. Housing to have a built-in handle and latching mechanism. Side bar, housing and metal tracking to be finished in baked on enamel in [select one] [Classic White, Rideau Brown, Slivered Almond, Phantom Black, Driftwood Beige] or as specified. Metal tracking shall be fully adjustable, and will be concealed by a removable wooden cover in a species to match framing.

3. Glazed Rafter and Purlin Profiles: The interior of the exposed rafters and purlins to have one of six (5) *Renaissance Revival Series* Alternate Under Rafter Profiles, or a special profile as otherwise specified.
4. Roof Blinds: When specified, the interior eaves to have an integrated shade valence to house and conceal retracting privacy/sun control roof blinds. The valence will be in a species to match the framing.
5. Glazing Caps: Caps to be manufacturer's proprietary *Renaissance Revival Series Narrow-Line* [select one] [copper-wrapped, lead coated copper-wrapped, aluminum-wrapped, Rheinzink-wrapped, tern-plated stainless steel-wrapped] wood caps in a finish as specified.
6. Cresting & Finial Posts: Cresting to be water jet cut 3-dimensional, fully scalable [select one] [copper plate, lead-coated copper plate, aluminum plate] in *Renaissance Revival Series* proprietary [select one] [High Victorian, Low Victorian, Gothic Spire, Gothic Quadraphile, Gothic Square & Spire, Fleur de Lis, custom as specified] with matching *Renaissance Revival Series* copper finial post(s) or custom as otherwise specified.