

Endura-Craft® Craftsman Series Column Installation of Tapered Columns

Warning: the precision machined edges of Endura-Craft Craftsman column components can be extremely sharp. **Use of appropriate personal protection equipment is required:** wear gloves when handling the product, wear a dust mask when cutting the product, and always wear eye protection.

Use of polyurethane adhesive, such as Gorilla Glue®, Loctite® PL Premium® Adhesive, Christy's™ Clear PVC Pipe Cement (or other clear PVC cement), or similar products is recommended. Always observe adhesive manufacturer's instructions.

Assembly is easiest with pneumatic or electric pin-nailers. These should recess the head of the pin nails far enough that only a minor touch-up is necessary (touch-up with caulk prior to painting.)



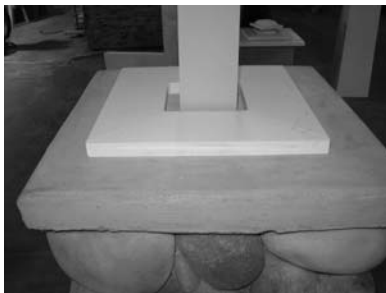
1) Measure overall opening from floor to beam or soffit (must have structural pressure-treated post or lally column for load support.)



2) Trim shaft pieces to 2¼" shorter than opening—2" for cap/base, ¼" for expansion (¼" if not using cap and base—each part is 1" thick.) Always trim from bottom ONLY—top is marked.



3) Slide ¾ cut base platform section around post.



4) Glue base platform pieces using biscuits (supplied). Center and attach base to floor/pedestal with appropriate fasteners.



5) Lay 3 panels flat and apply adhesive to center joints. (Polyurethane glue is recommended. Follow manufacturer's instructions.)



6) Assemble three panels, using E-Z Lock joints.



7) Finish nail three panels together.



8) Slide assembled 3-sided column around support (on top of base platform).



9) Slide ¾ cap platform section into place on top of column panels.*



10) Raise 3/4 cap platform section to beam/soffit, center, and attach. There should be 1/4" space for expansion between column and cap platform.



11) Apply adhesive to final panel.



12) Assemble final panel to column using E-Z lock joint. Nail panel to secure in place.



13) Apply glue to final 1/4 cap piece and biscuits and slide into place. Pin nail cap moldings to top of column.*



14) Use column shaft to check length of base trim molding. If trim is too long, mark cut lines for miters. Moldings should be about 1/8" longer than the width of the column.**



15) If base trim moldings are too long, use miter saw to cut base trim pieces to fit around bottom of column.**



16) Center trim moldings around shaft. Apply adhesive to base trim moldings and pin-nail into base platform. (Do not attach to shaft.) There should be about a 1/16" gap around shaft.

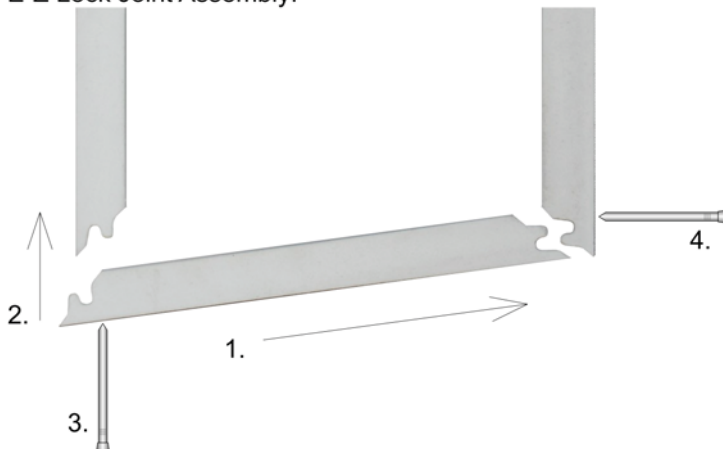


17) Caulk using latex caulking compound to fill any gaps and nail or screw holes.



18) Clean surface of column with cleaner recommended by the paint manufacturer. Paint with 2 coats of acrylic latex paint.

E-Z Lock Joint Assembly:



Please note the correct assembly of the E-Z Lock joint shown at the left. Nails MUST be installed only in the edges shown (3 and 4). Installing on the other edges may result in open seams.

- 1) Glue both joint edges; slide first joint together
- 2) Push second joint closed
- 3) Nail this joint first
- 4) Nail this joint second

Notes:

Panels are marked "TOP" — trim from the bottom only. Cap and base pieces are also marked as "CAP" or "BASE". Only use non-corrosive fasteners — galvanized, stainless steel, etc.

Always follow glue and paint manufacturer's instructions.

*Column must not be allowed to collect water, debris, etc. If the top of the column extends beyond the soffit/beam, the cap must be flashed with lead, copper, aluminum, etc. to prevent entry of water or foreign materials.

Endura-Craft Craftsman Series Column Installation of Non-Tapered Columns

Warning: the precision machined edges of Endura-Craft Craftsman column components can be extremely sharp. **Use of appropriate personal protection equipment is required:** wear gloves when handling the product, wear a dust mask when cutting the product, and always wear eye protection.

Use of polyurethane adhesive, such as Gorilla Glue[®], Loctite[®] PL Premium[®] Adhesive, Christy's[™] Clear PVC Pipe Cement (or other clear PVC cement), or similar products is recommended. Always observe adhesive manufacturer's instructions.

Assembly is easiest with pneumatic or electric pin-nailers. These should recess the head of the pin nails far enough that only a minor touch-up is necessary (touch-up with caulk prior to painting.)



1) Measure overall opening from floor to beam or soffit (must have structural pressure-treated post or lally column for load support.)



2) Install blocking around load bearing post (use pressure treated lumber.) Final width of blocking must be same width as inside of column.



3) Install blocking around center and top of post to match step 2 (center blocking is optional.) Blocking may be attached to deck/soffit instead of post if necessary.



4) Trim shaft pieces at least $\frac{1}{4}$ " shorter than opening height (from step 1). Trim **ONLY** from the bottom—top end is marked.



5) Lay 3 panels flat and apply adhesive to center joints.



6) Assemble three panels, using E-Z Lock joints.



7) Using finish nails, assemble three panels together. Observe E-Z Lock diagram on reverse to determine correct nail placement.



8) Place the partially assembled (three panels) column around post and blocking.



9) Apply adhesive to fourth panel and attach to shaft using E-Z Lock joints. Pin-nail in place.



10) Screw or nail column to blocking **ONLY ON THE BOTTOM**. Do not attach at center or top (to allow for expansion).



11) Apply adhesive to mitered edges of base moulding (standard base is 9 1/4" tall) and assemble around bottom of column shaft.



12) Fasten joints on base with pin-nails.



13) The **TOP** of the shaft should **NOT** be fastened to the blocking, and there should be at least 1/4" gap to allow expansion (see step 4).



14) There are **TWO** methods of attaching the cap. First, apply adhesive to mitered edges of cap moulding (7 1/4" tall) and assemble around shaft and pin-nail joints.



15) Option 1: Attach cap to soffit with construction adhesive and toenail to soffit. **DO NOT ATTACH** cap to column shaft if the cap is flush with soffit (to allow expansion).*



16) Option 2: Leave 1/4" expansion room above cap, and pin-nail the cap to the column. Be sure the pin-nails **DO NOT** reach the blocking inside!*

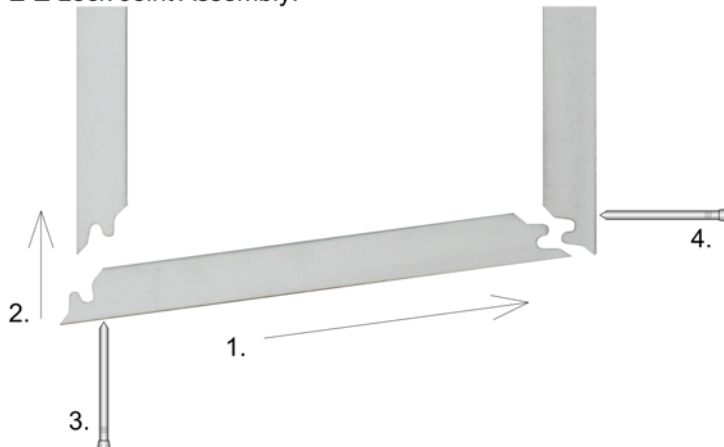


17) Caulk edges of base, cap, and nail holes.



18) Clean surface of column with cleaner recommended by the paint manufacturer. Paint with 2 coats of acrylic latex paint.

E-Z Lock Joint Assembly:



Please note the correct assembly of the E-Z Lock joint shown at the left. Nails **MUST** be installed only in the edges shown (3 and 4). Installing on the other edges may result in open seams.

- 1) Glue both joint edges; slide first joint together
- 2) Push second joint closed
- 3) Nail this joint first
- 4) Nail this joint second

Notes:

Panels are marked "TOP" — trim from the bottom only. Cap and base pieces are also marked as "CAP" or "BASE". Only use non-corrosive fasteners — galvanized, stainless steel, etc. Always follow glue and paint manufacturer's instructions.

*Column must not be allowed to collect water, debris, etc. If the top of the column extends beyond the soffit/beam, the cap must be flashed with lead, copper, aluminum, etc. to prevent entry of water or foreign materials.

Endura-Craft Craftsman Series Installation of 6" Post Wrap

Please be sure to read and fully understand this entire document before beginning installation of product.

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Use of polyurethane adhesive, such as Gorilla Glue[®], Loctite[®] PL Premium[®] Adhesive, Oatey or Christy's[™] Clear PVC Pipe Cement (or other clear medium PVC cement), or similar products is recommended. Always observe adhesive manufacturer's instructions.

Assembly is easiest with pneumatic or electric pin-nailers. These should recess the head of the pin nails far enough that only a minor touch-up is necessary (touch-up with caulk prior to painting.)

Post Wraps are non-load bearing, and must be installed around a load-bearing support (4x4, lally column, etc.)



1) Measure overall opening height from floor to beam or soffit (must have structural pressure-treated post or lally column for load support.)



2) PVC expands and contracts with temperature changes. Trim shaft pieces to 1/2" shorter than opening height (from step 1) to allow for product expansion.



3) If desired, optional blocking (not provided) may be installed around post to center wrap. This is especially helpful when wrapping round or odd sized supports.



4) PVC cement may be easier to apply using a squeeze bottle. Be sure to return all unused cement to the original container.



5) Lay 3 panels flat and apply adhesive to center joints.



6) Assemble three panels, using E-Z Lock joints.



7) Using finish nails, assemble three panels together. Observe E-Z Lock diagram on reverse to determine correct nail placement.



8) Place the partially assembled (three panels) column around post .



9) Apply adhesive to fourth panel and attach to shaft using E-Z Lock joints. Pin-nail in place.



10) Nail column to post **ONLY ON THE BOTTOM** . Do not attach at center or top (to allow for expansion).



11) Apply adhesive to mitered edges of base moulding and wrap around bottom of column shaft.



12) Fasten joints on base with pin-nails.



13) The **TOP** of the shaft should **NOT** be fastened to the post and there should be at least 1/2" gap to allow expansion (see step 2).



14) Install cap, repeating steps 11 and 12.

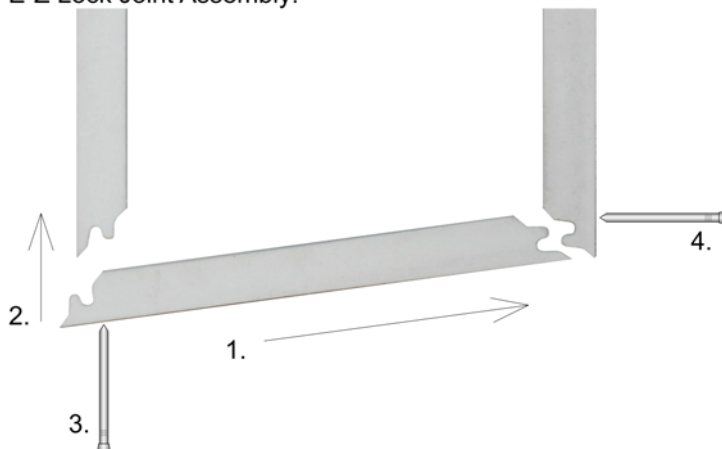


15) Caulk edges of base, cap, and nail holes.



16) Clean surface of column with cleaner recommended by the paint manufacturer. (Do not use solvents). Allow to dry completely, then paint with 2 coats of acrylic latex paint. **Warning: using dark colors might cause excessive thermal expansion.**

E-Z Lock Joint Assembly:



Please note the correct assembly of the E-Z Lock joint shown at the left. Nails **MUST** be installed only in the edges shown (3 and 4). Installing on the other edges may result in open seams.

- 1) Glue both joint edges; slide first joint together
- 2) Push second joint closed
- 3) Nail this joint first
- 4) Nail this joint second

Notes:

Always use non-corrosive fasteners — galvanized, stainless steel, etc. for exterior installations, and always follow glue and paint manufacturer's instructions.

*Column must not be allowed to collect water, debris, etc. If the top of the column extends beyond the soffit/beam, the cap must be flashed with lead, copper, aluminum, etc. to prevent entry of water or foreign materials.

Endura-Craft CRAFTSMAN SERIES

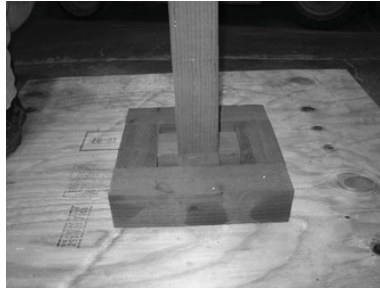
PEDESTAL OR NEWEL POST INSTALLATION

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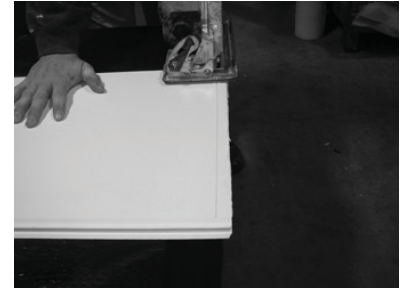
Use of polyurethane adhesive, such as Gorilla Glue®, Loctite® PL Premium® Adhesive, Christy's™ Clear PVC Pipe Cement (or other clear PVC cement), or similar products is recommended. Always observe adhesive manufacturer's instructions.

Assembly is easiest with pneumatic or electric pin-nailers. These should recess the head of the pin nails far enough that only a minor touch-up is necessary (touch-up with caulk prior to painting.)

Installers should read the installation instructions for Craftsman columns in addition to this document for more information (joints, etc.)



1) Install blocking around load bearing support (typically pressure treated post). Blocking should be made from pressure treated wood, and must be the same size as the inside of the pedestal/newel.



2) Smooth pedestals may be cut to shorter lengths if needed.



3) Apply polyurethane glue to both edges of ONE PANEL only.



4) Assemble two panels to glued edges of panel from step 3.



5) Pin-nail the three panels together into one unit. **See column instructions!**



6) Slide the three-panel shaft unit over the blocking, then attach. Apply glue to exposed vertical edges of panels.



7) Glue and attach final panel. For use as a newel, additional blocking should be added between panels and post (post would be cut off at height of shaft.)



8) Apply glue to backs and mitered edges of base moldings, then assemble to bottom of platform (same as no-taper column bases).



9) Note: top platform usually extends beyond top of shaft section (not shown in photo). Mouldings are applied under the top platform. Assemble top platform on top of shaft. Glue mitered edges, and attach with pin-nails. (Pyramid caps do not use top platform.)



10) Apply glue to backs and mitered edges of cap moldings, then assemble to shaft below top platform with pin-nails. (Mouldings, panels, trim, and top platforms may vary from photos depending on product styles.)



11) Caulk all seams, fill all nail holes, and clean surfaces with cleaner recommended by paint manufacturer. Finish with two coats of acrylic latex paint.