

INSTALLATION TIPS

TEMPERATURE RELATED ISSUES:

PVC Columns become more brittle in colder temperatures. When the columns become more brittle, they are more susceptible to damage. It is recommended that the columns themselves be warmed to 50° to 55° before installing. This can be accomplished by moving the columns into a heated space, and allowing adequate time for the temperature of the columns to warm up. The outdoor ambient temperature can be considerably colder than 50°, but if the columns themselves can be warmed up, they can then be installed with reduced risk of damaging them in the process. If you are unable to warm the columns before installation, you should first drill pilot holes before screwing or nailing them together. Be careful when nailing the columns and try to avoid striking the column faces with a hammer. Note that if your particular columns are designed in such a way that they include miter folded corners, which have not been folded, closed, they will definitely be susceptible to fracture if they cannot be warmed. If a miter-folded corner does fracture, you will still have a good miter joint, which consists of (2) separate pieces.

CUTTING AND FASTENING:

The Cellular PVC material that the columns are constructed of can easily be cut with conventional carpentry and woodworking tools. Pneumatic finish nailers and staplers can be used to fasten Cellular PVC parts together. Large pneumatic framing staplers and nailers are not suitable for fastening this material as the percussion of the drivers of large nail guns can fracture the PVC material. Coarse thread, galvanized or stainless steel drywall screws are also suitable for fastening Cellular PVC parts together. It is suggested that pilot holes be used for screws longer than 1 5/8".

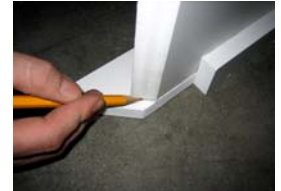
PAINTING AND FINISHING:

Caulk where required using Siroflex brand Sealant and Adhesive provided by manufacturer. Putty any holes using acrylic putty or caulk. Lightly sand or scuff surface of column. Clean surface of column to remove any dirt or hand oil residue with light detergent and water, denatured alcohol, or window cleaner. Be sure to remove soap residue with clean water. Apply one coat of 100% acrylic exterior primer and one or more finish coats of 100% acrylic exterior paint.

TAPERED PVC COLUMN INSTALLATION INSTRUCTIONS



1. MEASURE & CUT THE COLUMN TO THE FIELD MEASURED HEIGHT MINUS THE THICKNESS OF THE BASE PLINTH. FOR EXAMPLE: IF THE FIELD MEASURED HEIGHT IS 59 INCHES, AND THE BASE PLINTH IS 5/8" THICK, CUT THE COLUMN SHAFT TO 58 3/8". THIS CAN BE DONE USING A SKILL SAW OR JIG SAW. ALWAYS CUT OFF THE BOTTOM. NEVER CUT OFF THE TOP!



2. PREPARE THE 2 COLUMN HALVES AND THE 2 HALVES OF THE BASE PLINTH FOR FITTING. STAND ONE OF THE 2 HALVES OF THE COLUMN SHAFT ON ONE BASE PLINTH HALF. MARK THE PLINTH WHERE IT NEEDS TO BE TRIMMED TO LENGTH ON A MITER SAW .



TRIM THE PLINTH WITH THE MITER SAW. REPEAT THIS PROCESS FOR THE SECOND COLUMN HALF AND SECOND BASE PLINTH HALF. SCREW THROUGH THE BOTTOM OF THE FACE OF EACH COLUMN HALF INTO THE VERTICAL FLANGE ON THE INSIDE OF THE BASE PLINTH.

3. ATTACH THE TOP SQUARING BLOCK TO THE HEADER. THIS MAY BE DONE USING STAPLES, NAILS, SCREWS, OR ADHESIVE.

4. NEXT, INSTALL ONE "L" SHAPED COLUMN HALF AROUND THE STRUCTURAL POST AND ATTACH TO THE TOP INTERNAL SQUARING BLOCK.



5. APPLY ADHESIVE CAULK TO THE 2 MITERED EDGES OF THE "L" SHAPED COLUMN SHAFT HALF. SLIDE THE 2ND "L" SHAPED COLUMN HALF IN PLACE AND PUSH THE MITERED EDGES TOGETHER. SCREW TOP OF THE SECOND COLUMN SHAFT HALF INTO THE EDGE OF THE TOP SQUARING BLOCK. FASTEN THE COLUMN DOWN BOTH EDGES OF THESE MITERED JOINTS. WE RECOMMEND FASTENING THE COLUMN EVERY 6 TO 8 INCHES USING 1-1/4" LONG GALVANIZED OR STAINLESS STEEL STAPLES. FINISH NAILS WORK ALSO. WIPE OFF ANY ADHESIVE CAULK SQUEEZE-OUT WITH A DAMP CLOTH. THE ADHESIVE CAULK CLEANS UP WITH WATER. IT IS IMPORTANT TO WIPE OFF THE EXCESS ADHESIVE CAULK BEFORE IT DRIES.

6. SLIDE THE BOTTOM OF THE COLUMN SHAFT INTO POSITION AND SCREW THROUGH THE TOP FACE OF THE BASE PLINTH INTO THE PEDESTAL CAP. IF SCREWING INTO MASONRY, YOU WILL NEED TO USE MASONRY SCREWS.



7. FIT THE PRE-MITERED CAP AND BASE MOLDINGS TO THE COLUMN SHAFT. TRIM THEM TO LENGTH IF NECESSARY WITH A POWER MITER BOX. FASTEN THEM IN PLACE WITH THE SAME PNEUMATIC FASTENERS USED TO ATTACH THE (2) HALVES OF THE COLUMN SHAFT TOGETHER. CAULK THE GAP BETWEEN THE CAP & BASE AND THE SHAFT WITH THE SAME ADHESIVE CAULK PROVIDED. WIPE OFF ANY EXCESS ADHESIVE CAULK WITH A DAMP RAG.

THE PVC COLUMN HAS NO TESTED STRUCTURAL PROPERTIES. The column is designed to install around a previously installed structural post. The structural post inside column, supplied by others, provides the load-bearing component of the column. The load-bearing capacity of column is determined by the physical properties of the structural post. The architect or engineer will specify load-bearing requirements of the structural post. Structural post must be of ACQ, CCA or other treated lumber, ACQ, CCA or other treated engineered lumber, or steel. **DO NOT USE UNTREATED LUMBER FOR STRUCTURAL POSTS.** Possible infiltration of water and possible condensation inside the PVC column shaft can cause degradation of untreated lumber! Bottom of structural post should be mounted to wooden deck or concrete/masonry porch floor using code-approved method and code approved post anchor. Top of structural post should be mounted to beam using code-approved method and code approved post-to-beam mounting bracket.

INSTALLATION TIPS

TEMPERATURE RELATED ISSUES:

PVC Columns become more brittle in colder temperatures. When the columns become more brittle, they are more susceptible to damage. It is recommended that the columns themselves be warmed to 50° to 55° before installing. This can be accomplished by moving the columns into a heated space, and allowing adequate time for the temperature of the columns to warm up. The outdoor ambient temperature can be considerably colder than 50°, but if the columns themselves can be warmed up, they can then be installed with reduced risk of damaging them in the process. If you are unable to warm the columns before installation, you should first drill pilot holes before screwing or nailing them together. Be careful when nailing the columns and try to avoid striking the column faces with a hammer. Note that if your particular columns are designed in such a way that they include miter folded corners, which have not been folded, closed, they will definitely be susceptible to fracture if they cannot be warmed. If a miter-folded corner does fracture, you will still have a good miter joint, which consists of (2) separate pieces.

CUTTING AND FASTENING:

The Cellular PVC material that the columns are constructed of can easily be cut with conventional carpentry and woodworking tools. Pneumatic finish nailers and staplers can be used to fasten Cellular PVC parts together. Large pneumatic framing staplers and nailers are not suitable for fastening this material as the percussion of the drivers of large nail guns can fracture the PVC material. Coarse thread, galvanized or stainless steel drywall screws are also suitable for fastening Cellular PVC parts together. It is suggested that pilot holes be used for screws longer than 1 5/8".

PAINTING AND FINISHING:

Caulk where required using Siroflex brand Sealant and Adhesive provided by manufacturer. Putty any holes using acrylic putty or caulk. Lightly sand or scuff surface of column. Clean surface of column to remove any dirt or hand oil residue with light detergent and water, denatured alcohol, or window cleaner. Be sure to remove soap residue with clean water. Apply one coat of 100% acrylic exterior primer and one or more finish coats of 100% acrylic exterior paint.

SQUARE PVC COLUMN INSTALLATION INSTRUCTIONS



1. THE FIRST STEP IS TO CUT THE COLUMN TO THE DESIRED LENGTH. THIS CAN BE DONE USING A SKILL SAW OR JIG SAW.



2. THE SECOND STEP IS TO ATTACH THE SQUARING BLOCKS TO THE FLOOR AND TO THE HEADER. THIS MAY BE DONE USING STAPLES, NAILS, SCREWS, OR ADHESIVE. THE SQUARING BLOCKS WRAP AROUND THE STRUCTURAL POST AND ACT AS AN INDEXING BLOCK FOR THE COLUMN, SO BE SURE THAT THEY ARE SQUARE AND PLUMB AT THE TOP AND BOTTOM.

3. NEXT INSTALL ONE "L" SHAPED HALF AROUND THE STRUCTURAL POST AND ATTACH TO THE TOP AND BOTTOM INTERNAL SQUARING BLOCKS



4. NEXT, APPLY ADHESIVE CAULK TO THE 2 MITERED EDGES OF THE "L" SHAPED COLUMN SHAFT.

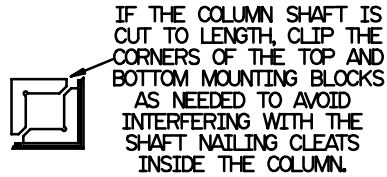
4. NEXT SLIDE THE 2ND "L" SHAPED COLUMN HALF IN PLACE AND PUSH THE MITERED EDGES TOGETHER. SCREW THE TOP AND THE BOTTOM OF THE COLUMN SHAFT INTO THE TOP & BOTTOM SQUARING BLOCKS. FASTEN THE COLUMN ALONG BOTH EDGES AS WELL AS ATTACHING IT TO THE SQUARING BLOCKS. WE RECOMMEND FASTENING THE COLUMN EVERY 6 TO 8 INCHES USING 1-1/4" STAPLES. FINISH NAILS WORK ALSO. WIPE OFF ANY ADHESIVE CAULK SQUEEZE-OUT WITH DAMP CLOTH. THE ADHESIVE CAULK CLEANS UP WITH WATER. IT IS IMPORTANT TO WIPE OFF THE EXCESS ADHESIVE CAULK BEFORE IT DRIES!



5. NOW YOU NEED TO ATTACH THE BASE AND CAP COLLARS TO THE COLUMN SHAFT. APPLY ADHESIVE TO THE MITERED EDGES & WRAP THE COLLARS AROUND THE SHAFT AT THE TOP AND BOTTOM. FASTEN THE COLLARS TO THE SHAFT AND FASTEN BOTH HALVES TOGETHER AT THE CORNERS. WIPE OFF ANY ADHESIVE SQUEEZE-OUT WITH DAMP CLOTH. THE ADHESIVE CLEANS UP WITH WATER. IT IS IMPORTANT TO WIPE OFF THE EXCESS ADHESIVE BEFORE IT DRIES! USE THE ADHESIVE CAULK TO CAULK THE SMALL GAP BETWEEN THE BACK OF THE COLLARS AND THE COLUMN SHAFT.

THE PVC COLUMN HAS NO TESTED STRUCTURAL PROPERTIES. The column is designed to install around a previously installed structural post. The structural post inside column, supplied by others, provides the load-bearing component of the column. The load-bearing capacity of column is determined by the physical properties of the structural post. The architect or engineer will specify load-bearing requirements of the structural post. Structural post must be of ACQ, CCA or other treated lumber, ACQ, CCA or other treated engineered lumber, or steel. **DO NOT USE UNTREATED LUMBER FOR STRUCTURAL POSTS.** Possible infiltration of water and possible condensation inside the PVC column shaft can cause degradation of untreated lumber! Bottom of structural post should be mounted to wooden deck or concrete/masonry porch floor using code-approved method and code approved post anchor. Top of structural post should be mounted to beam using code-approved method and code approved post-to-beam mounting bracket.

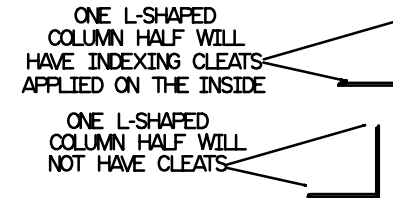
STEP 1
 MEASURE THE HEIGHT REQUIRED
 AND CUT COLUMN SHAFT TO THAT
 LENGTH WITH A CIRCULAR SAW
 OR JIG SAW.



STEP 2
 INSTALL TOP AND
 BOTTOM MOUNTING
 BLOCKS AROUND
 POST



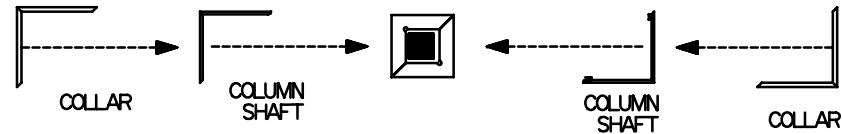
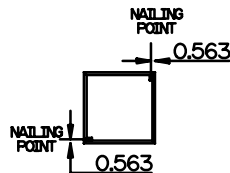
STEP 3
 AFTER APPLYING BEAD
 OF SIROFLEX TO THE
 OPEN MITER JOINTS, SLIDE
 SHAFT AROUND SQUARING
 BLOCKS.



STEP 4
 USE A 1/4" NARROW CROWN
 TRIM STAPLER OR FINISH
 NAILER AND NAIL UP THE NOW
 CLOSED MITER JOINTS.

NAIL EVERY 6" UP THE LENGTH
 OF THE L-SHAPED COLUMN HALF THAT
 DOES NOT HAVE CLEATS
 INTO THE NAILING CLEATS
 MOUNTED TO THE OTHER L-SHAPED
 COLUMN HALF.

NAILING SHOULD OCCUR
 1/2" TO 9/16" IN FROM THE THE EDGE
 OF THE COLUMN SHAFT
 TO ENSURE THE NAILS PENETRATE
 THE NAILING CLEATS ON THE OTHER
 L-SHAPED COLUMN HALF.



STEP 5
 AFTER APPLYING SIROFLEX TO THE
 OPEN MITER JOINTS OF THE TRIM
 COLLARS, SLIDE THE COLLAR HALVES
 AROUND THE COLUMN SHAFT.

USE A 1/4" NARROW CROWN TRIM
 STAPLER OR FINISH NAILER AND
 ALTERNATE NAILING UP THE NOW
 CLOSED MITER JOINTS.

USE FINISH NAILER TO NAIL
 THROUGH THE FACE OF
 THE COLLAR INTO THE SIDE
 OF THE COLUMN. CAULK THE
 SMALL GAP WHERE THE COLLARS
 MEET THE COLUMN SHAFT.

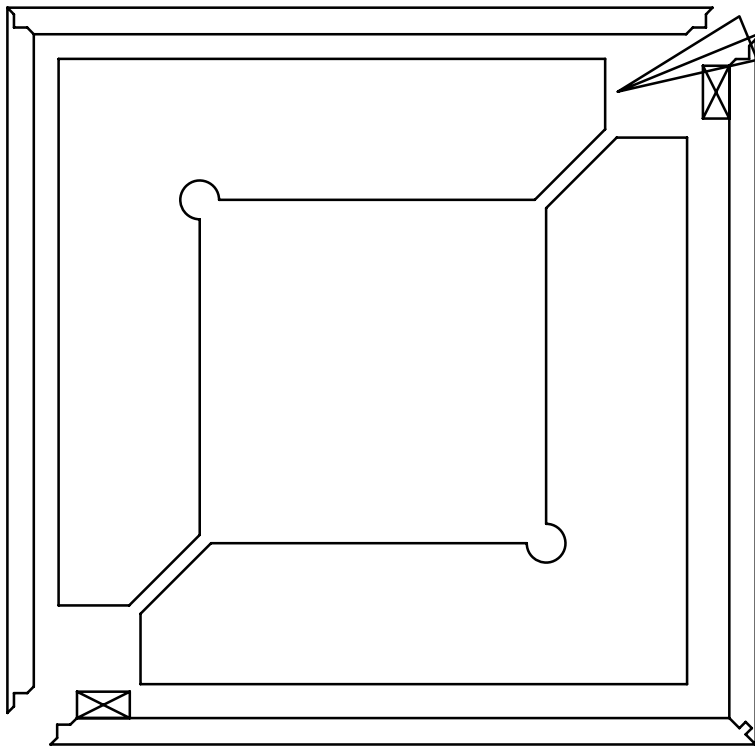


STEP 6
 FILL FASTENER HOLES WITH BONDO,
 PAINTERS PUTTY, GLAZING COMPOUND
 OR CAULK. CLEAN SURFACE OF
 COLUMN WITH DENATURED ALCOHOL OR
 WINDOW CLEANER AND PAINT WITH
 100% ACRYLIC PAINT.



COMPLETED
 ASSEMBLY

IF THE COLUMN SHAFT IS CUT TO LENGTH, CLIP THE CORNERS OF THE TOP AND BOTTOM MOUNTING BLOCKS AS NEEDED TO AVOID INTERFERING WITH THE SHAFT NAILING CLEATS INSIDE THE COLUMN.



STEP 4

NAIL EVERY 6" UP THE LENGTH
OF THE L-SHAPED COLUMN HALF THAT
DOES NOT HAVE CLEATS
INTO THE NAILING CLEATS
MOUNTED TO THE OTHER L-SHAPED
COLUMN HALF.

NAILING SHOULD OCCUR
1/2" TO 9/16" IN FROM THE THE EDGE
OF THE COLUMN SHAFT
TO ENSURE THE NAILS PENETRATE
THE NAILING CLEATS ON THE OTHER
L-SHAPED COLUMN HALF.

