



SUPPLEMENTAL ASSEMBLY INSTRUCTIONS FOR BUILDINGS WITH SECTIONAL OR ROLL UP DOORS IN THE SIDE OF THE BUILDING

These assembly instructions will show how to assemble the special Roof/Wall Frame sections required at the side door location/locations. They will also illustrate the installation of Double Headers and Double Door Jambs. The base rails used when installing doors in the side of the building will change a bit from the standard layout.

OVERVIEW:

In order to install a door in the side of a Versatube building we had to remove two side posts and 12' of base rail. We added back in a double header assembly with two vertical insert pins on 4' centers. Under the double header we added two double door jamb posts with a horizontal pin at the bottom. Sense the base rail stops at the door opening and continues on the other side of the door opening, an additional starter base rail must be used. (The starter base rails are the ones with a vertical pin at both ends. The Roof/Wall frame sections at the side door opening will now have a Side Post on the end opposite the door opening and an Eave Post (shorter eave corner post) on the end at the door opening. Height extensions are sometimes used on the bottom end of the Eave Post if the door height is less than 2' from the side height of your building.

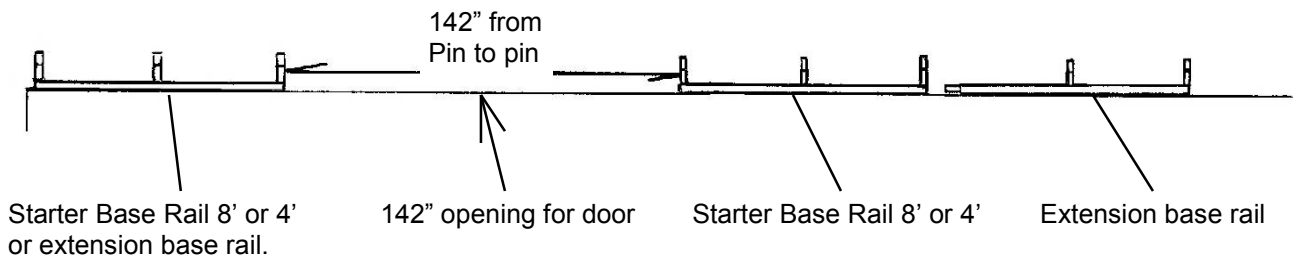
Note: Opening up the side of the building to install doors requires the at least two roof/wall sections be modified. This will weaken the building slightly and therefore we recommend that all buildings with side sectional or roll up doors be built on 4' frame centers. The additional double door jambs and the double header will carry the roof load.

STEP 1: LAYING OUT THE BASE RAILS

Side doors in Versatube buildings must be at least 6' apart. We must have at least two frame sections between doors to maintain the structural integrity of the building.

A typical base rail layout uses an 8' starter base rail (8'-2" base rail with vertical pins at both ends) at one end of the building. All additional base rails on that side of the building are base extensions, ether 8' or 4'. When side doors are added you will leave a 142" opening between vertical base rail pins (the opening on your building could be wider). A starter base rail must be used to re-start the base rail run after the opening. Depending on the space you need between doors, a 4' or an 8' starter base rail could be used.

If you want the side door to be 6' from the end of the building, you will have to start out the base rail run with a 4' starter base rail. Once again, doors must be be at least 6' apart and 6' from the ends of the building.



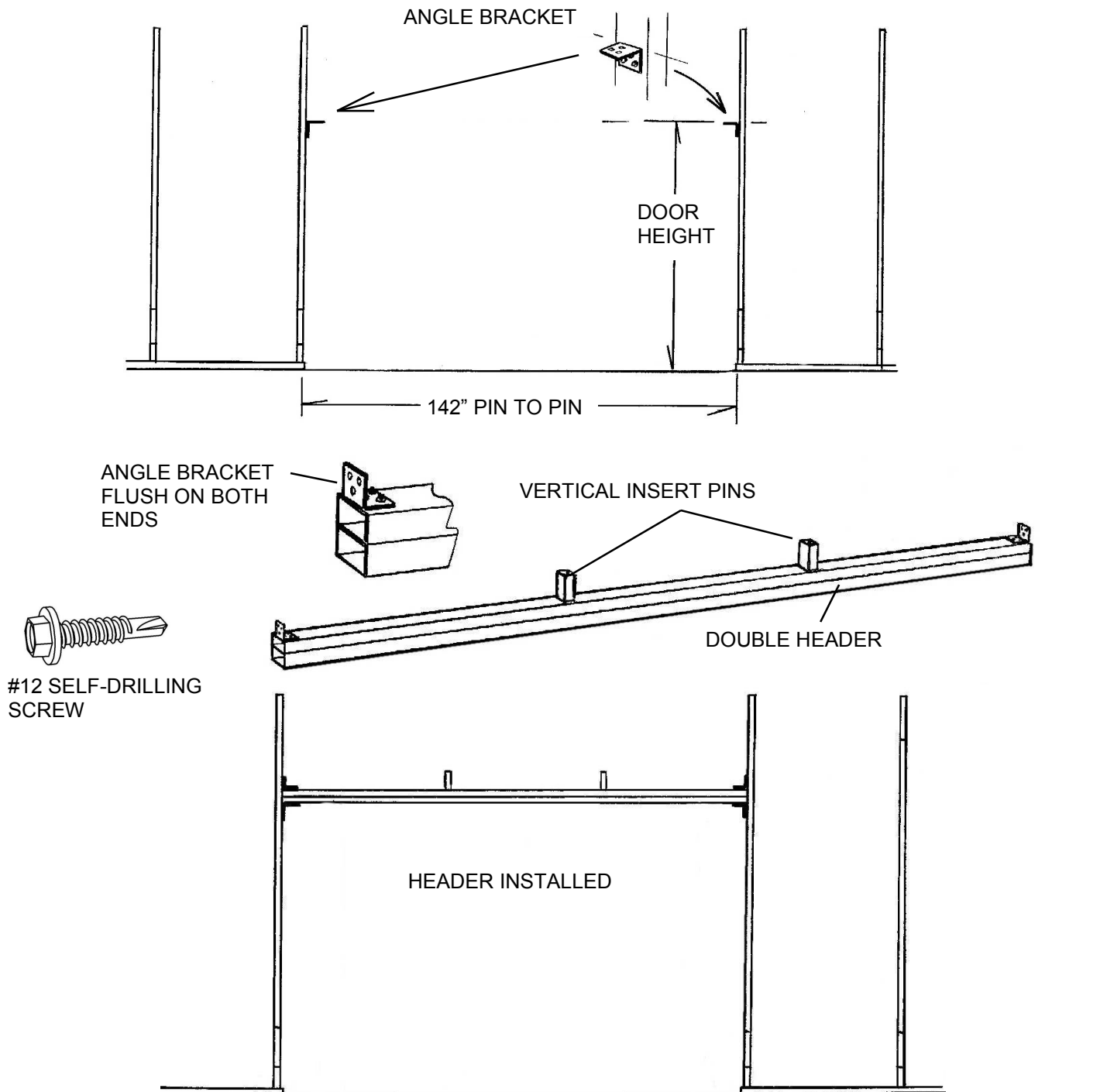
Anchor base rails with 1/2" x 7" concrete wedge anchors in all anchor holes. See your building instruction manual for details.

STEP 2: ASSEMBLING ROOF/WALL FRAME SECTIONS

Assemble the Roof/Wall Frame Sections as shown in your building instruction manual and install them on the base rails leaving the bays open where the side doors will be located. Remember to leave 3 bays (4' sections) open for each door and at least one 4' bay between door openings. You will be assembling special Roof/Wall Frame Sections later to install in the side door bays.

STEP 4: INSTALLING THE SIDE DOOR HEADER

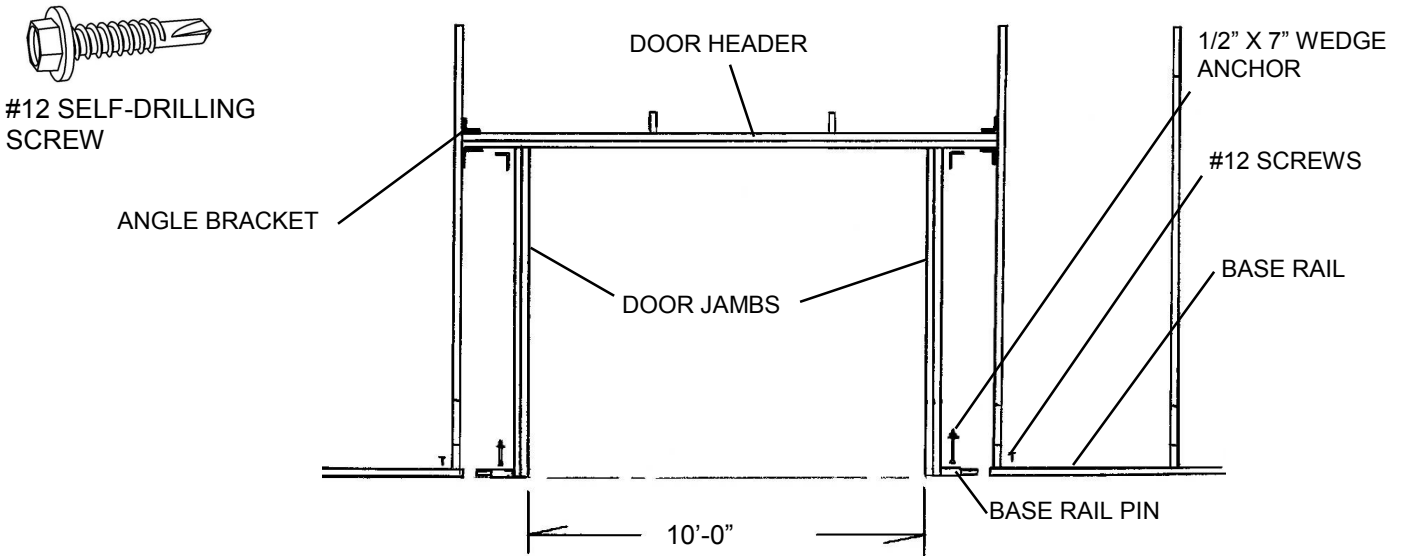
Install a double header assembly (142" double header, welded, with 2 vertical insert pins) where the side door/doors will be located as shown below. Measure up the side posts and put a mark at your door height (7', 8', 9', or 10'). Install angle brackets as shown, one on each side of the door opening. Pre-install angle brackets on the top of the double header flush with the ends of the header as shown. Place the header on the brackets that you installed to the side posts and attach with screws. Use #12 self-drilling screws for all bracket assembly.



STEP 5: INSTALLING DOUBLE DOOR JAMBS

The VersaTube side door installation allows for an 8', 9', or 10' wide door. Depending on the eave/side height of your building, the door height can be from 7' to 10' high. The door height should be at least 2' shorter the side height of the building.

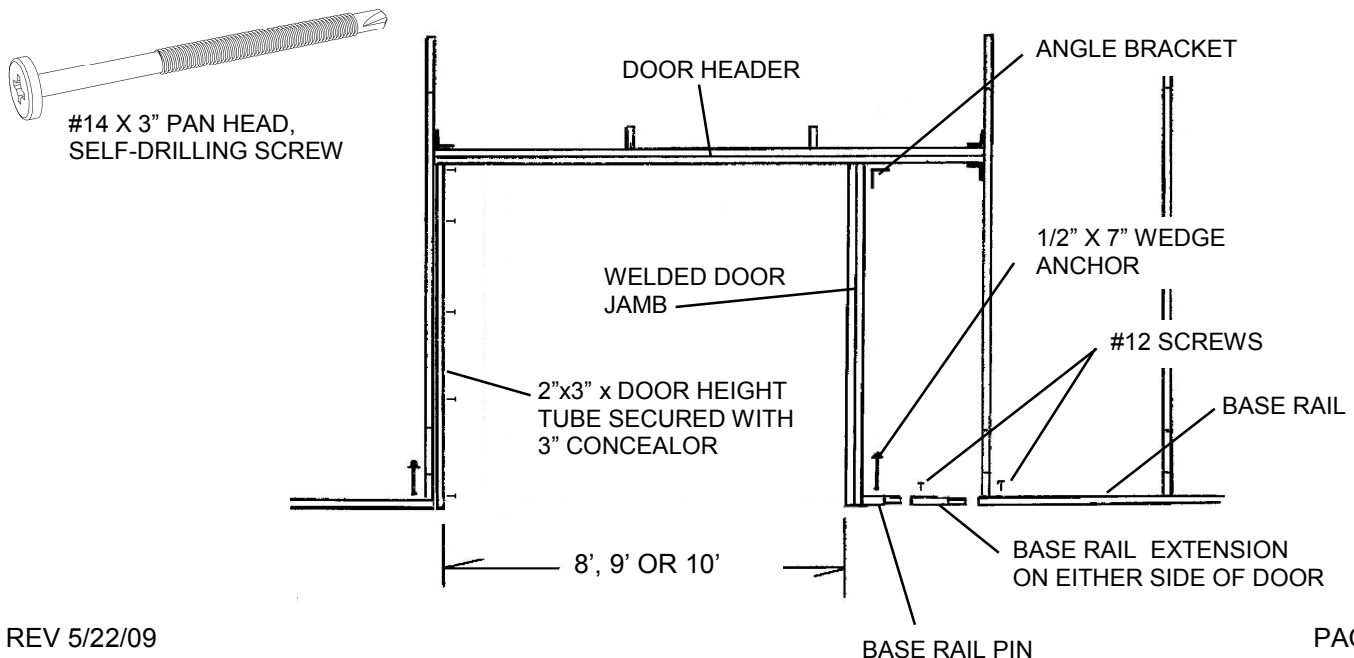
As an example, if you have a 10' wide door, place the double door jambs as shown at 10'-0" apart with the swaged ends of the door jamb pins inserted into the base rails on either side of the door. When the door jambs are in the proper locations fasten the swage joints with two screws on the top of the base rail. Plumb the door jambs and fasten them to the header with angle brackets as shown. You may want to pre assemble the angle brackets to the door jambs. Anchor the door jambs with 1/2" x 7" concrete wedge anchors.



INSTALLING DOOR JAMBS WITH CONCEALOR SCREWS

In some instances you may have a separate Jamb that consists of a single 2"x3" X Door Height tube that will be placed to one side of the opening, and attached to the side post framing. It will be secured with #14 x 3" self-drilling Pan Head Concealor Screws, one at the top, one at the bottom and spaced 24" approximately.

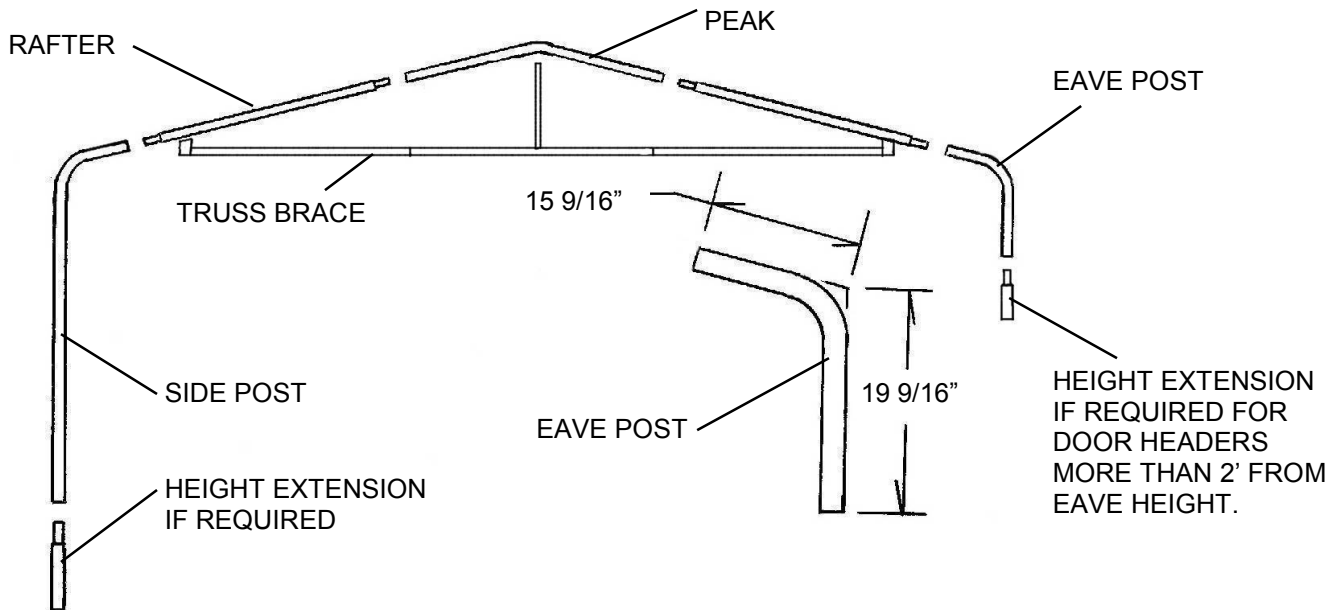
On the other side, you will install a base extension to the base rail pin on one of the door jambs. Now insert the base rail pin on one door jamb and the base rail extension swage end on the other door jamb into the base rails as shown. (The base extension can go to either side of the door.) Set the door opening at the 8', 9', or 10' wide opening and fasten the swage joints with 2 screws. Plumb the door jambs and attach the top of the door jambs to the header with angle brackets. You may want to pre-attach the angle brackets to the door jambs. Anchor the door jambs with 1/2" x 7" concrete wedge anchors.



STEP 6: ASSEMBLING THE SPECIAL ROOF/WALL FRAME SECTION FOR SIDE DOORS.

Assemble the Roof/Wall Frame Section as you did the other sections on your building with the following exceptions: Instead of a side post on the side door side of the assembly, you will install a Eave Post. The eave post is designed to sit down on the header insert pins. The Eave Post is also designed to accommodate a side door that is 2' shorter than the building side height. (Example a 8' side door height in a 10' side height building.) If your door height is shorter you will need height extensions to go from the Eave Post to the Door Header. Use 4 #12 self-drilling screws in all swage or insert joints except the height extension joint opposite the door opening.

If your building has truss braces, ether standard or web, install the truss brace as you did on the other Roof/Wall Frame Sections. If you have web truss braces, omit the knee brace on the end over the side door.



STEP 7: INSTALLING THE TWO SPECIAL ROOF/WALL FRAME SECTIONS IN SIDE DOOR BAYS.

Place the special Roof/Wall Frame Sections on the base rail vertical pins and the header vertical insert pins as shown. Fasten the Side Post joint with two #12 self-drilling screws and the Eave Post joint with 4 screws as shown. With this assembly complete, continue with the next building step in your building assembly instructions.

