

## Installation Instructions for Post Mounted Signage

### Preliminary Notes

There are three basic steps to assembly and installation:

1. Assemble the posts.
2. Install the sign into the posts assembly.
3. Install the posts and sign assembly into the ground.

### Assembly

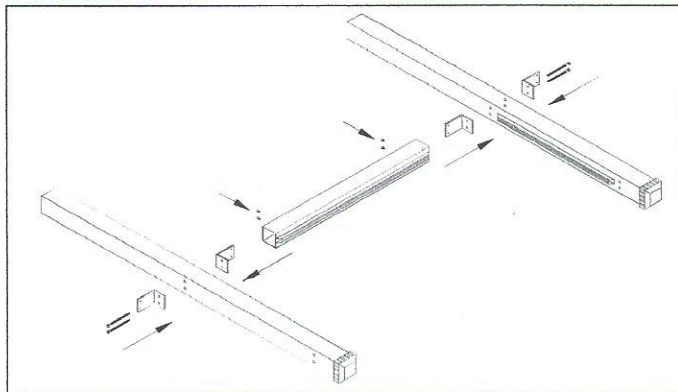
First check to see that all the parts and fasteners in the carton have been located and identified according to illustration 6 on a following page. Also refer to the all of the illustrations to position the parts correctly.

Note that there are two (2) different types of right-angle brackets. There are four (4) of each type. One type has two (2) round threaded nuts installed in the short leg; the other type does not.

Assembly may proceed more easily if all the bolts and screws are not fully tightened until primary assembly has been completed.

1. Set the two 4" square x 80" long posts on their sides on a flat surface. The factory-attached U-channels should be facing each other. See illustration 1.

Illustration 1

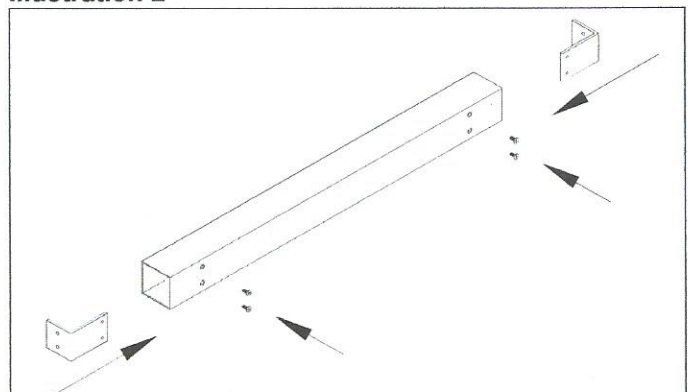


2. Attach one of each of the two (2) types of right-angle brackets to each post with two (2) 5/16" x 5" long hex head bolts. The two (2) right-angle brackets with the installed nuts mount on the inside of the 4" square by 80" vertical posts; the other two (2) mount on the outside of the posts. The bolts are installed from the outside of each post through the short leg of one outside bracket, through the 4" square post, and then into the nuts installed in the short leg of the inside bracket. The long leg of the right-angle brackets should be positioned toward the bottom end of the 80" post.

3. Attach one of the 3-1/2" square x 40" long cross arms to the two (2) inside right-angle brackets. The U-channel should be facing up or toward the finial ends of the 80" posts. Use two (2) 1/4"-20 x 1/2" long flat-head screws in each end of the cross arm to fasten the cross arm to the right angle brackets.

4. Attach two (2) of the right-angle brackets with installed round threaded nuts inside the other 3-1/2" square x 40" long cross arm with two (2) 1/4"-20 x 1/2" long flat-headed screws for each bracket. The short leg of each bracket should be flush with each end of the cross arm. See illustration 2.

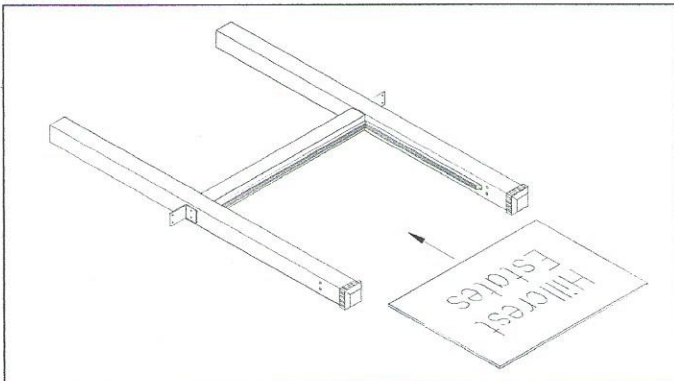
Illustration 2



## Large Commercial Signage - 1511/1512 Series Assembly & Installation Instructions

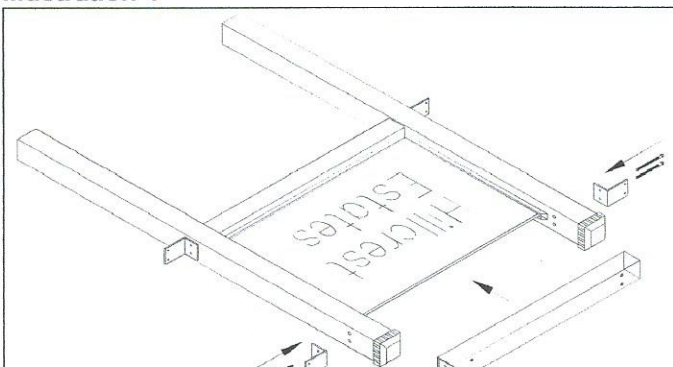
6. Slide the signage panel into the two (2) opposing U-channels and all the way down into the U-channel on the lower cross arm. See illustration 3.

**Illustration 3**



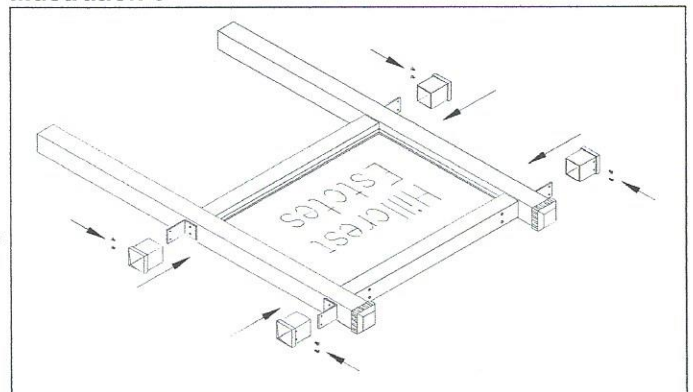
7. Place the upper cross arm into position with the U-channel enclosing the top edge of the signage panel. Fasten the cross arm using the remaining two (2) right-angle brackets and four (4) 5/16" x 5" long hex head bolts. The bolts are installed from the outside of each post through the short leg of the outside bracket, through the 4" square post, and then into the nuts installed in the short leg of the bracket previously installed inside the ends of the upper cross arm. See illustration 4.

**Illustration 4**



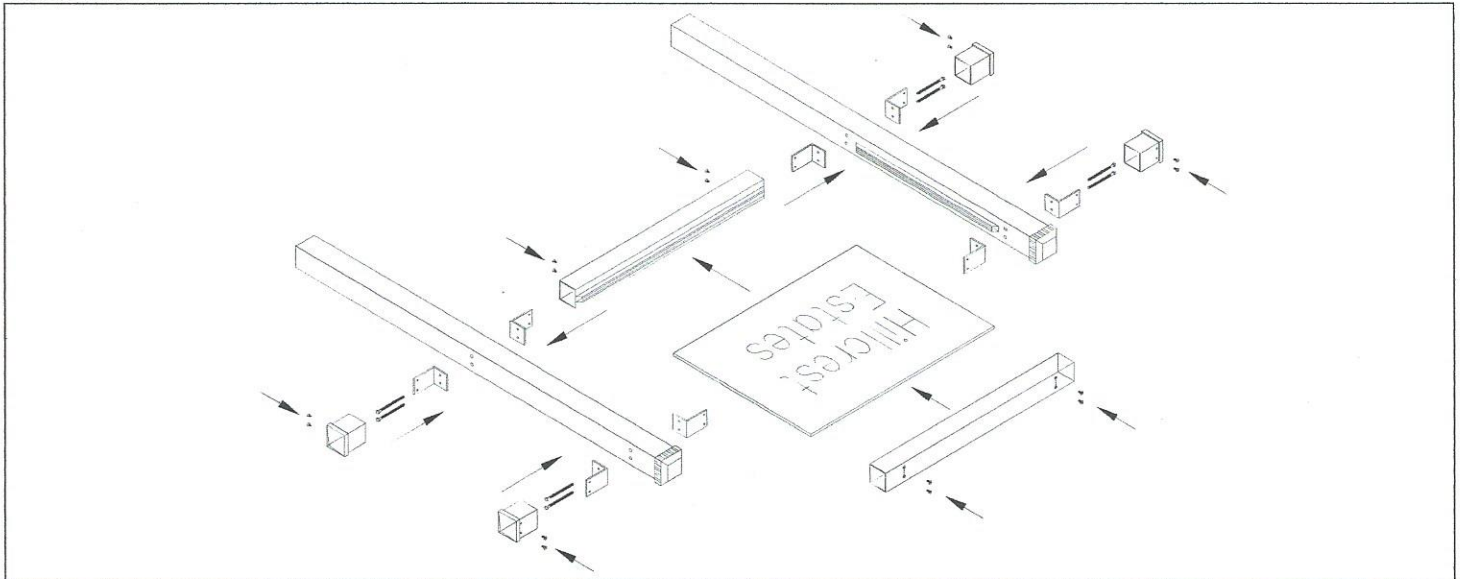
8. Tighten the eight (8) 5/16" x 5" long bolts, ensuring that the post assembly is properly aligned, flat, and square. Attach each of the four (4) stub arms onto the long legs of the right-angle brackets with two (2) 1/4"-20 x 1/2" long flat head screws. See illustration 5.

**Illustration 5**



## Large Commercial Signage - 1511/1512 Series Assembly & Installation Instructions

Illustration 6



### Installing the In-Ground Mounted Posts for the Signage Into Concrete

Dig the holes for the 2 concrete footings, and prepare the concrete. You will need approximately 9 cubic feet

The top surface of each footing should be about 12" by 18" and extend 36" into the ground. See the illustration for the relative position of the rectangular footing to the post. This is shown for one of the posts. The other post is the same.

The bottom of the holes for the concrete footings should be filled with about 6" of gravel to promote drainage under the posts. The tops of the footings should be sloped for water runoff.

The concrete must reach below the frost line. Otherwise the posts will move when the ground freezes.

Be careful not to puncture water, sewer, or gas lines when digging holes for footings.

Set the posts in the holes and fill the holes with the prepared concrete mix. Prod the mix with a stick while filling to reduce any air pockets. If you want to conceal the concrete, pour it to within a few inches of the tops of the holes and cover with soil after the concrete

Use a carpenter's level on the sides of the posts to ensure that the posts are aligned vertically. Periodically check the vertical alignment of the posts as the concrete is curing.

