

Steeple in a Box

INSTALLATION INSTRUCTIONS

Tools Required to Install the Steeple



During installation of your steeple it will be necessary to go up on the roof of the building.

It is the customer's responsibility to provide proper climbing and safety equipment to prevent injury or falls. Be sure to secure yourself, anyone assisting you, all tools, and steeple parts to prevent them from falling or injuring anyone.

Do not allow anyone to stand on the ground near the edge of the roof where falling objects may injure them.



Lay out and familiarize yourself with all parts before starting

Parts List

- 1- Spire
- 1- Base
- 1- Cross w/ cable
- 1- Turnbuckle
- 4- Cable clamps
- SIB-1000**
- 4- 5/8" x bolts
- 4- 5/8" lock washers
- 4- 5/8 nuts
- 8- 5/8" flat washers
- SIB-1001**
- 2- 1/2" all thread rods
- 4- 1/2" lock washers
- 4- 1/2" nuts
- 8- 1/2" flat washers



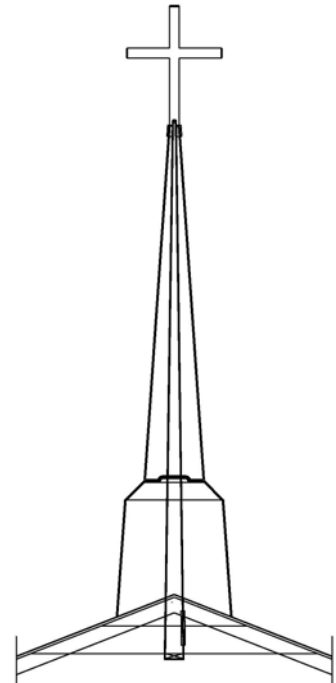
Pre Planning and Rafter Brace Installation

From the exterior, select an approximate area where the steeple will be installed.

Traditional wood truss roof structures:

NOTE: There are a many different wood truss designs as there are carpenters that build them. The following are general guidelines only and do not specifically apply to your installation. It is recommended a professional review the roof structure of your building before proceeding.

1. From inside the attic locate the center beam of the roof in the same approximate location as selected from the outside. Note the location of the rafters that run off the center beam in relationship to the location of the steeple. Move the location of the steeple to center over the rafters. The location of the installation on step 2 must be low enough to allow for use of the turnbuckle.
2. The turn buckle hold down assembly will need to be secured to a board (generally double 2x6's nailed together) that runs between the rafters. The double 2x6's must be turned on edge to properly hold down the steeple. The maximum length of the 2x6's on edge shall not exceed 10'.
3. Bolt this member to the rafters. Do not use screws as they will pull out.
4. If you are unsure about any portion of the installation please seek professional assistance.
5. This member must be installed before setting the steeple.

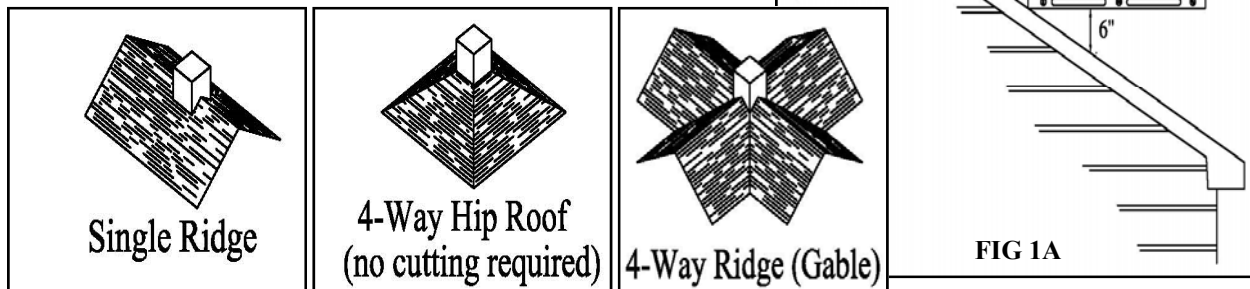


Marking and Cutting the Roof Pitch

NOTE: Flat roofs or 4 way hip roofs do not require any cutting.

STEP 1

To determine the pitch of your roof, place a level against the roof as shown in figure 1A. From the point where the level touches the roof, measure out 12 inches. From this point, measure the distance, in inches, down to the roof. The number out will always be 12. for example, the roof pitch here would be expressed as 6" on 12".



Do not cut the steeple base until you are sure of proceeding with the installation. Once the steeple base has been cut, it can not be returned.

STEP 2

Mark the center of the base at the bottom edge. The base is 23" wide, so the center mark should be at 11 1/2"

STEP 3

Using the roof pitch chart, determine the amount of distance to be measured UP from the center of the base.

ROOF PITCH CHART

Roof Pitch	Distance UP
1/12	1 5/16"
2/12	1 7/8"
3/12	2 13/16"
4/12	3 3/4"
5/12	4 3/4"
6/12	5 11/16"
7/12	6 5/8"
8/12	7 9/16"
9/12	8 1/2"
10/12	9 1/2"
11/12	10 7/16"
12/12	11 3/8"
13/12	12 5/16"
14/12	13 1/4"
15/12	14 3/16"
16/12	15 3/16"

STEP 4

Using a square, measure up the proper distance & make mark



STEP 5

Now draw a line from the mark to the bottom corner of the steeple base.

STEP 6

Using a jig saw with a fine tooth blade, cut along the lines.



REPEAT STEPS 2 THROUGH 5 BASED ON THE TYPE OF ROOF YOU HAVE

If the roofing material is metal, you will need to cut the pattern into the steeple base after cutting the roof pitch. This prevents the steeple base from crushing the roofing material when it is tightened down on it.



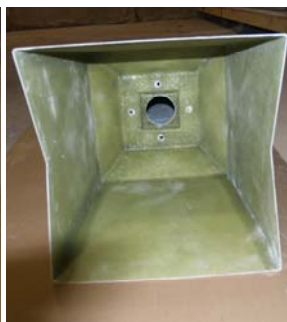
STEP 7

SIB-1000

- A. Attach the base to the spire using the hardware provided.
- B. Insert a bolt and washer through the pre-drilled holes in the spire into the base.
- C. Thread a washer, lock washer, and nut onto the bolt.
- D. The bolt head must be on the spire and the nut assembly on the base.

SIB-1001

- A. Insert all-thread into the spire, then thread a washer, lock washer and nut onto it.
- B. Fish the all-thread through the middle cupola and into base.
- C. Thread another washer, lock washer and nut to the all thread inside base.



STEP 8

1. Stand steeple up.
2. Wiggle the spire to make sure there is no movement between the base and spire.
3. Feed cables attached to cross through hole in top of spire.
4. Tilt steeple back so you can reach up through the base & into spire.
5. Grab cables and pull through into base.



Now it's time to move the steeple up on the roof. Gather together any necessary tools. Make sure all possible precautions have been taken to prevent a fall from the roof. Make sure all possible precautions have been taken to prevent the steeple or any installation tools from falling off the roof. Make sure all observers are a safe distance back from the edge of the roof in case something should fall.

STEP 9

In the location desired, drill 2 - 5/16" holes in the roof that will allow passage of the cables on either side of the roof beam below. If the steeple is being secured to a board running across the rafters, the holes should be located so they will allow the cable to pull.

Do not drill holes outside of the area covered by the steeple base. The holes should be as close together as possible, but still allow them to pass around the structure below.

Carry the steeple up onto the roof using all possible safety precautions. Run the cables through the 2— 5/16 holes drilled in the roof.



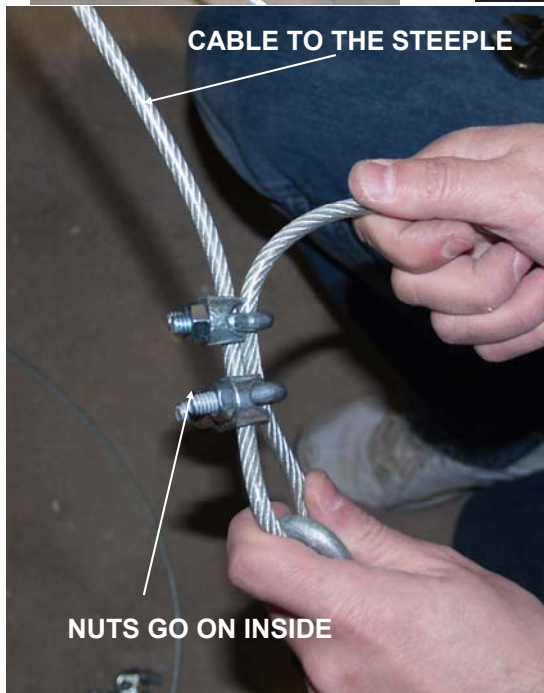
IMPORTANT ! A PERSON MUST REMAIN ON THE ROOF TO STEADY THE STEEPLE AND KEEP IT FROM FALLING UNTIL IT CAN BE SECURED FROM BELOW

STEP 10

Attach Cable Clamps and Secure to Roof

When this step is complete the cable will loop around the roof beam.

1. Select which side of the roof beam is easiest to access.
2. Assemble turnbuckle, & clamps as shown below
3. As you attach the cable, cable clamps, and turnbuckle below, take up all possible slack in the cables leading to the steeple.
4. Adjust turnbuckle to tighten steeple to roof.
5. Once tightened down, the steeple should be firmly tightened on the roof and should not move.



DON'T SADDLE A DEAD HORSE !!

Attach the cable clamps to the cable.

The saddle side of the cable must be on the side leading back up to the steeple. The threaded "U" shaped connector goes on the other side.

Riggers use the expression "Don't saddle a dead horse" to describe this more secure method.

Now run the other cable through the other end of the turn buckle and attach 2 cable clamps to it. Again, don't saddle a dead horse.