

WARNING: INSTALLATION OF THIS PRODUCT NEAR POWER LINES IS DANGEROUS. FOR YOUR SAFETY, FOLLOW THE INSTALLATION DIRECTIONS. SEE SAFETY INSTRUCTIONS.

CHECK TOWER SECTION

Check all tower sections on delivery to make sure there are no broken welds or bent braces or legs. Braces can usually be straightened, but if legs are severely bent the section should be replaced. Make a damage claim against the transport company. Do not use damaged sections.

Delhi Towers are designed and built to stand up for years against severe wind and ice conditions. Although all towers are carefully made and inspected before they leave our factory, they are not guaranteed against failure due to shipping damage, over-loading or improper installation. Please read instructions carefully.

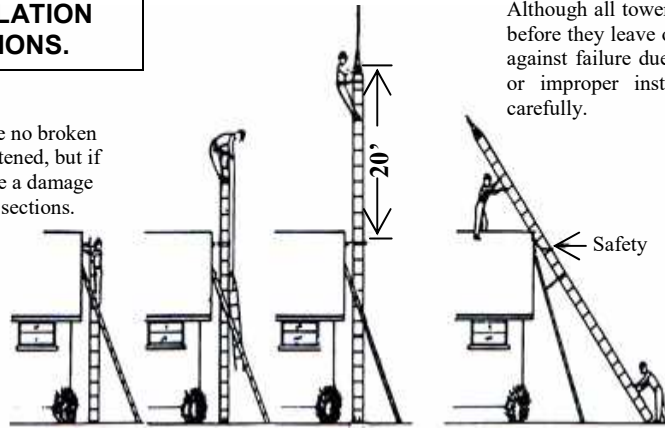


Fig. 1 Fig. 2 Fig. 3 Fig. 4
INSTALLING TOWER

Method one is best used when only one person is doing the installing.

1. Bolt two sections together, attach GNBS Base Plate to bottom of tower and attach House Bracket GNHUB or GNHB to tower in approximately the right position.
2. Push tower up to the house and screw 3/8" lag bolts (not supplied) through house bracket into house. Reinforcing the area may be necessary if house construction there is weak.
3. Make sure tower is vertical with a level and then drive 3 DMBS base stubs into the ground through the 3 holes in base plate.
4. The installer wearing proper safety equipment, climbs the tower and pulls the next sections up using a rope and hook as in Fig. 2, and fits the sections together. Tighten leg bolts securely.
5. Install rotor as shown on the reverse side of this

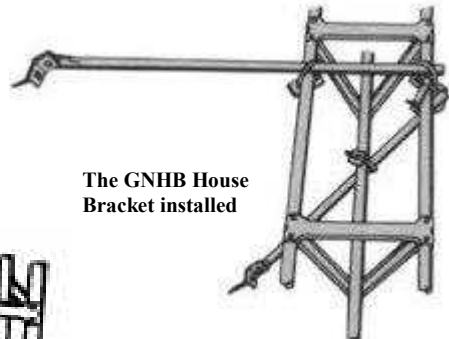
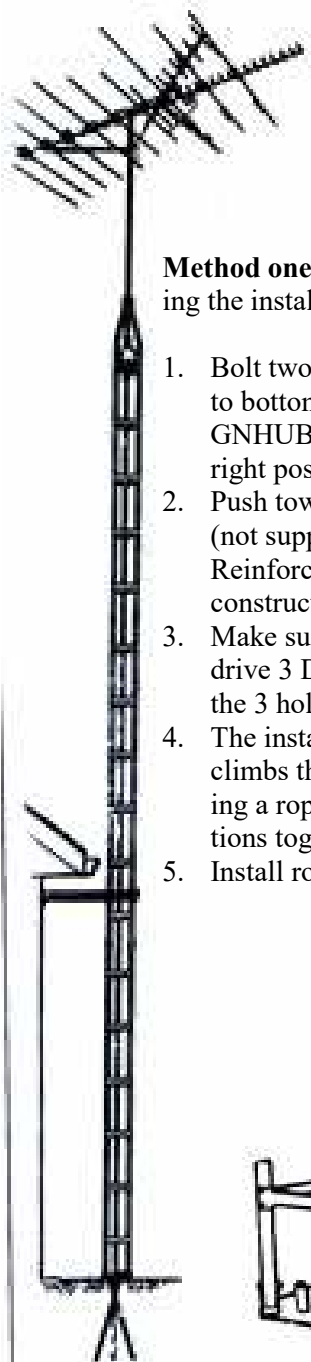
Method two requires at least two people, see Fig. 4.

1. The tower is assembled completely on the ground and then the top of the tower is raised to the roof where the antenna and mast are installed.
2. The tower is then raised to its vertical position and the house bracket screwed into the house with two lag screws.
3. A safety bolt or strap should be looped around tower until house bracket is secured.

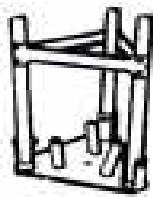
Load Limits

Designed to support equipment up to 3 ft² (0.28m²) projected wind area, mounted not more than 2 sections (19 ft.) above house bracket.

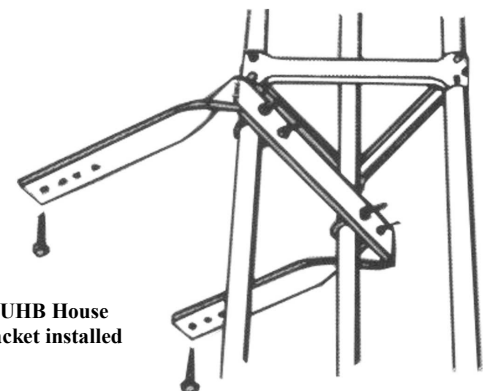
Note: Guy wires must be used for larger loads or greater heights above house bracket. However, the towers have not been tested to CSA standards CSA-S16-09 and CSA-S37-13 for loadings larger than what is indicated above.



The GNHB House Bracket installed



GNBP Base Plate with DMBS Base Stubs driven into the ground through 3 holes

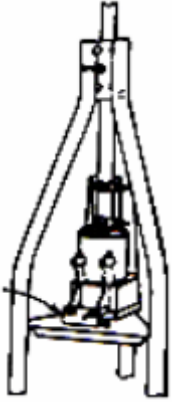


GNUHB House Bracket installed

INSTALLING MAST

1. A U-Bolt assembly with “L” bracket is supplied for installing the mast. The assembly is bolted to the rotator plate ready to clamp to the mast. Maximum mast size is 1.66” O.D.
2. Adjustments to make the mast vertical may be made by moving the “L” bracket in the slotted holes.
3. After inserting the mast and tightening the U-Bolt nuts securely, also tighten the locking bolt and nut on the bearing stub at the top of the tower.

Bracket



INSTALLING ROTATORS

Any make of rotator can be installed inside the top of the tower on the rotator plate. Back off the locking bolt from the thrust bearing and lock it by tightening nut. This bolt can be used to hold the mast if the rotator is removed for servicing. It may be necessary to reverse the “L” bracket, bolting it to the rotator and then to the slotted holes in the rotator plate.

SERVICING

GN Towers will withhold the impact load of a climber in case of a fall in accordance with CSA-S16-09 and CSA-S37-13, based on the conditions noted below:

- Tower must be properly maintained and in good condition with no structural defects or deterioration to its members capacities.
- The mounted appurtenances must adhere to the load limits as stated previously.
- During the time of servicing there must be no ice on the structure and wind speeds must not exceed 15km/h.
- The climber and all their equipment must not weigh more then 310lbs, and must be trained in basic fall protection and proper climbing techniques.
- The climber must be equipped with an E6 type lanyard in accordance with CSA-Z259, and it must be fastened to the tower leg on top of 2 cross braces using a double locking lanyard hook, as shown.

Locking Bolt and Nut

Mast

Rotator Plate

U-Bolt Assembly

