

HIDE-AWAY™ TORNADO SHELTER/SAFE ROOM

Hide-Away™ – Stationary Shelter - Installation Manual

The Hide-Away shelter is designed and tested to give maximum protection and many years of safe shelter from storms. Before attempting to install the shelter read this manual & follow the safe operational procedures and warnings to prevent injury and or death.

Warning: never use shelter in the event of fire!

Warning: never use shelter when flooding is present.

Warning: safeguard children from playing on or with shelter when not in use.

Warning: any electrical supply to the shelter must be properly grounded and meet NEC requirements.

Warning: never use cooking heat / cooking stoves inside the shelter due to inadequate ventilation.

Warning: never use a generator inside the shelter.

Use **caution** around hinge and pivoting areas when deploying shelter to prevent pinch points.

Use **caution** when anchoring the front to not over tighten bolts.

Do not store non-emergency items inside the shelter as this may prevent you from being able to use all the inside space during a storm.

Receipt of shipment:

The Hide-Away II Shelter is shipped in different wall sections for easier handling of the weight. Inspect all wall sections to insure they are not damaged by the freight carrier, should you see any or suspect damage please file a claim immediately with the freight carrier.

Tools for installation:

Heavy lifting tools suggested

Rolalift: <http://www.rolalift.com/products.shtml>



Wheeled Pry Bar - Granger (Item# 4W944)



Depending on volume of shelter installs, Fork Lift Bib. <http://www.contrxcranes.com/fork%20lift%20jibs.html>



4 Wheeled dolly http://www.northerntool.com/shop/tools/product_200370078_200370078



Hand tools:

Wrenches 1/2", 5/8", 3/4", 15/16", 7/8", 1-1/8", 1-1/16", 13/16", 9/16"

Crescent wrench, large

Concrete hammer drill, with 5/8" concrete bits

Crow bar

5 LB sledge hammer

Large rubber mallet

3' level

Safety:

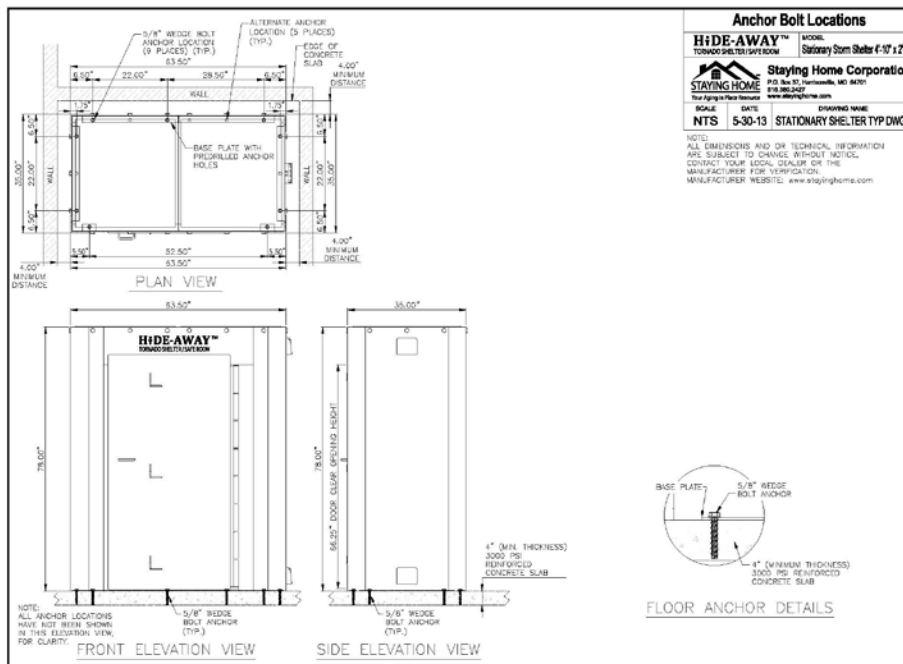
The Hide-Away Shelter components are very heavy and proper lifting equipment & methods need to be followed at all times to insure safety. Please review the OSHA safety requirements at <http://www.osha.gov/doc/outreachtraining/htmlfiles/mathan.html>

Installing the Shelter:

Confirm concrete surface is smooth and relatively level. Be sure no off-set "bumps" are in the area of the shelter. Shimmiing may be needed, if so, limit shim to 1/4".



The small 30" x 58" Hide-Away has 2 back wall sections & 1 front wall section plus the door & frame. Other sizes and configurations will vary, see drawing.



Position the **right** wall section at the location customer has selected.

Position the **center back** wall two sections to the left of the first section, insert the $\frac{3}{4}$ " bolts through the panel frame to connect the two sections together, a small amount of grease can be used to make the bolts and nuts go together easier. (Loosely tighten at this time).



Position the **left** wall section to the left of the back center wall and loosely tighten with $\frac{3}{4}$ " bolts.





Position the **door & hinge** to the front section and side wall, and attach using 3/4" bolts.

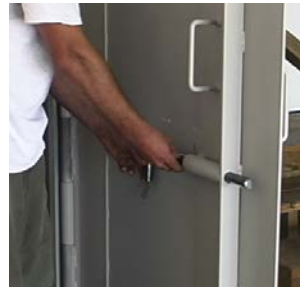


Open shelter door and shim outer edge temporarily, and tighten all the bolts and nuts. Once all bolts and nuts are secure, using a pry bar, position shelter to final attachment point if needed.

Use of a grinder may be needed to flatten high spots.



Remove door shim and test door opening & closing, adjust door so it clears floor by 1/8" and does not drag against the floor. Insert the three locking pins in the inside of the door. Then put lock-tight on the threads of the smaller outside handles. Insert each through the slot on the outside of the door, and screw them into the threaded hole on the locking pin. Rotate until they tighten, and are positioned straight up. Do not over tighten. Insert rubber cap over the tip of the outside handles. Test from both inside and outside for proper alignment and performance.



Installing the ceiling:

With the side walls still loose, position the ceiling over the wall panels and bolt together tightly. Caution Ceiling is heavy.





Anchoring the shelter:

With the shelter open locate the back wall anchor locations and concrete anchors. Drill the anchor bolt holes using a 5/8" concrete bit. (Use hearing protection)



Insert the rear concrete anchor Wedge Bolts illustration # 5 and tighten evenly "do not over tighten" With the shelter fully open locate & drill the holes for front anchors using 5/8" concrete bit and hammer drill. Insert the front concrete anchors and tighten evenly "do not over tighten". Clean area after drilling to remove concrete dust and debris.

Finish by tightening ALL bolts, do not over tighten



Demonstrate use:

Take plenty of time to show and demonstrate the shelter. Show the customer the procedure in the owner's manual on how to use shelter, follow the procedure several times to insure the customer knows how to properly use the shelter. Discuss with the customer to have the shelter clear of non-emergency items and not block the door of shelter. Discuss with customer to enter the shelter in plenty of time when weather conditions are likely to produce severe storms or tornados.

