HURRICANE PANEL LOCK
AFFORDABLE HOME PROTECTION

TOOLS YOU NEED TO GET READY FOR INSTALLATION

Safety Glasses

Safety Gloves

Drill

Pipe / Tubing Cutter

3/16” Drill Bit

Pencil / Pen

Philips or Flat Screwdriver

Measuring Tape

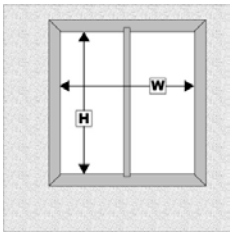
¾” Open End Box Wrench

IMPORTANT	Be careful, you will be working with sharp edges on the pipes, the Hurricane Panel Locks and if you are using corrugated sheet metal. Wear the suggested safety equipment.

You can view a step-by-step video installation on the Internet by going to:
http://www.hurricanepanellock.com/install.html

INSTALLATION INSTRUCTIONS

STEP 01 – Measuring the windows and sliding glass door



- Measure the inside width of the window from left to right (**W**).
- Measure the inside height of the window from top to bottom (**H**).
- Then write the information on the form below following this example:

Window area	H	W	1" Pipe needed
01) **Kitchen**	**48**	**36**	- 7 = **29** (2 pipes)

Window area	H	W	1" Pipe needed	Window area	H	W	1" Pipe needed
01)			- 7 = (2 pipes)	09)			- 7 = (2 pipes)
02)			- 7 = (2 pipes)	10)			- 7 = (2 pipes)
03)			- 7 = (2 pipes)	11)			- 7 = (2 pipes)
04)			- 7 = (2 pipes)	12)			- 7 = (2 pipes)
05)			- 7 = (2 pipes)	13)			- 7 = (2 pipes)
06)			- 7 = (2 pipes)	14)			- 7 = (2 pipes)
07)			- 7 = (2 pipes)	15)			- 7 = (2 pipes)
08)			- 7 = (2 pipes)	16)			- 7 = (2 pipes)

Sliding glass door/ Tall window (6'+) area	H	W	1" Pipe needed
17)			- 7 = (3 pipes)
18)			- 7 = (3 pipes)

STEP 02 – Buying the material

Once you have measured your windows and sliding glass door you need to decide on the type of panels you want to use. 26 gauge corrugated sheet metal is the most popular because it is strong and lightweight. Also, when storing them it takes little space since they lay flat against each other. But, you can use plywood or any other material of your liking. Corrugated sheet metal is 26" wide and comes in 8', 10' & 12' lengths.

You will need to buy 1" conduit metal pipe/tubing; it comes in a 10' length (120").

STEP 03 – Cutting the material

Cut the material of choice to fit the size of the window. Also, you should write on each piece the window that they were cut for. Ex: Kitchen, living room, etc...

Corrugated sheet metal should overlap and fit inside the window frame. You want to place the corrugated sheet metal with the ridges on the vertical. (Small windows will take 2 panels and larger windows 3 or 4 panels)

Plywood should be cut to fit inside the window frame.

From this point on we will refer to the material you selected and cut as the **PANELS**.

STEP 04 – Cutting the metal pipe

- Cut the conduit pipe **7 inch less** than the width (W) of the window opening to allow for the Hurricane Panel Lock. So, if you have a 36" wide window then you would cut your pipe 29" long.

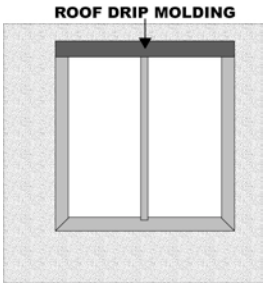
- Cut 2 pipes per window.
- Cut 3 pipes per sliding glass door or tall windows (6' and above)
- Cut using a pipe/tubing cutter.
- Wear protective glasses and gloves.

STEP 05 – Attaching the Hurricane Panel Lock to the pipe

- You need to attach the pipe you just cut to the Hurricane Panel Lock.
- Make sure that the end you cut is on the side that will go against the window frame.
- You will need a screwdriver to secure the Hurricane Panel Lock to the pipe.

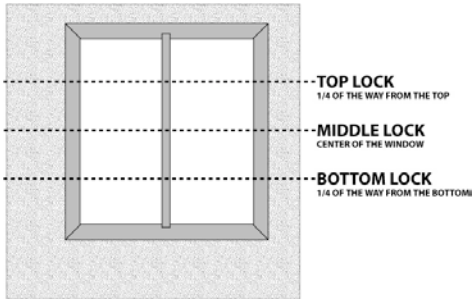
From this point on we will refer to the Hurricane Panel Lock and the pipe attached as the **LOCK**.

STEP 06 – Roof drip molding (optional)



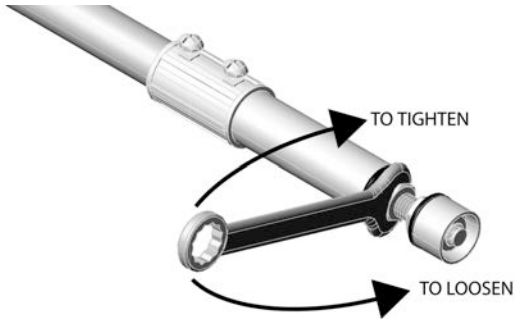
- The roof drip molding is very useful but not necessary.
- The roof drip molding will hold the panels in place while your hands are free to install the Hurricane Panel Locks.
- Install the roof drip molding to the upper header of the window with screws. (Not included)
- Roof drip moldings are usually left in place all year round since they can be purchased in colors that match your window trim.

STEP 07 – Positioning the Hurricane Panel Locks



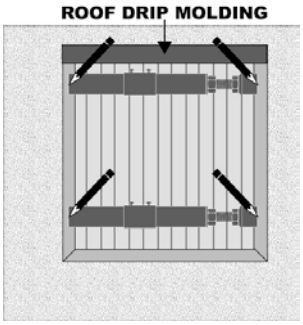
- When installing the Hurricane Panel Locks for a <u>window</u>, you use the **TOP LOCK** and **BOTTOM LOCK** location as shown on the image to the left.
- When installing the Hurricane Panel Locks for a <u>sliding glass door or tall window</u>, you use the **TOP LOCK**, **MIDDLE LOCK** and **BOTTOM LOCK** locations as shown on the image to the left.

STEP 08 – Operating the Hurricane Panel Locks



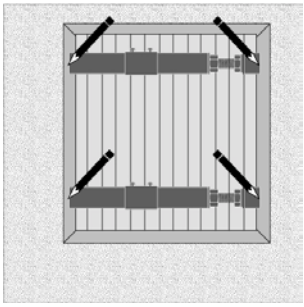
- **TIGHTEN** the Hurricane Panel Lock by turning the large nut clockwise (moving your ¾" open end box wrench upward)
- **LOOSEN** the Hurricane Panel Lock by turning the large nut counterclockwise (moving your ¾" open end box wrench downward)

STEP 09 – Measuring where to install the Hurricane Panel Locks



USING THE ROOF DRIP MOLDING:

- Slide the panels in place by inserting them under the roof drip molding.
- Then place the **BOTTOM LOCK** about ¼ of the way from the bottom of the window frame. Tap each end snug against the panels and tighten it loosely, just enough to hold the panels.
- Then place the **TOP LOCK** about ¼ of the way from the top of the window frame. Tap each end snug against the panels and tighten it loosely, just enough to hold the panels.
- For sliding glass door/tall window: Place the **MIDDLE LOCK** centered in the window frame. Tap each end snug against the panels and tighten it loosely, just enough to hold the panels.
- Mark the side of the window around all Hurricane Panel Locks by tracing a circle on all ends using a pencil. (see image on left) **Do not use a permanent marker.**
- Remove the **LOCKS**
- Remove the panels.
- Go to Step 10.

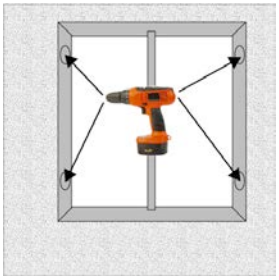


WITHOUT THE ROOF DRIP MOLDING:

- Place the **TOP LOCK** about 3" from the top and closer to the outer edge of the window frame and tighten it loosely, just tight enough to hold the panels. This Lock is placed there temporarily, you will reposition it later. Then, slide the panels in place behind the **TOP LOCK** you just installed.
- Then place the **BOTTOM LOCK** about ¼ of the way from the bottom of the window frame. Tap each end snug against the panels and tighten it loosely, just enough to hold the panels.
- For sliding glass door/tall window: Place the **MIDDLE LOCK** in the center of the window frame. Tap each end snug against the panels and tighten it loosely.
- Move the **TOP LOCK** about ¼ of the way down from the top of the window frame. Tap each end snug against the panels and tighten the lock loosely, just enough to hold the panels.
- Mark the side of the window around all ends of the **LOCKS** by tracing a circle using a pencil (see image on left**) do not use a permanent marker**
- Loosen the **TOP LOCK** and move it forward and tighten it loosely again. This is done to hold the panels in place and allows you to remove them without them falling on you.
- Remove the **BOTTOM LOCK** first.
- Remove the **MIDDLE LOCK** if you used one.
- Remove the panels.
- Remove the **TOP LOCK.**
- Go to Step 10.

STEP 10 – Drilling the holes and inserting the blue cement screws

The blue cement screws are used to add strength to the Hurricane Panel Locks. **DO NOT SKIP THIS STEP**



Now you need to determine where to drill for the blue cement screws. Don't worry; the blue cement screws can be painted to match the color of your window frame.

- You can see the circles you drew on the window frame.
- You will drill a hole directly in the middle of all the circles using a 3/16" drill bit.
- Then screw the blue cement screws in the holes you just drilled.
- Back off the blue cement screws ½ turn from the wall. You don't want the screws completely tight against the window frame.

STEP 11 – Final installation

When you need to get ready for a hurricane, all you have to do is to put the panels and Hurricane Panel Locks in place. This time, you will install the Hurricane Panel Locks over the screws and tighten the **LOCKS** firmly.