

10'x15'x8'

Assembly Manual

Due to continuing improvements, actual product may differ slightly from the product described herein.

105 Woodmont Road, Milford CT, 06460
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Assembly Instructions CycleCabana™ 10Wx15Lx8H

Congratulations!

Congratulations on your purchase of a House Style Instant Shelter (CycleCabana™) by MDM Products LLC. With proper installation, use, and maintenance, your new unit will provide many years of good and suitable service. Your new MDM Products portable enclosure is a combination of excellent engineering and well thought out design. The unit is comprised of a rigid tubular frame, covered with a long life polyethylene cover and double access ends.

The multiple part tubular frame assembly is pre-drilled for easy insertion of hardware to assemble. The tubing is made from high-grade galvanized steel tubing, to resist moisture and oxidation over the life of the shelter. The fabric components are made from ASTM-5 approved polyethylene materials. The cover is also UV protected for continual exposure to the sunlight.

It is suggested that you read the assembly instructions completely before you begin. This will help attain the best results for your installation the first time.

SAFETY WARNING

The installation of this unit must conform to the requirements of all authorities having jurisdiction in your specific local area. In the absence of such requirements, the installation must conform to the provided assembly and installation instructions. MDM Products LLC will not be responsible for failure to comply with any requirements in a given local area. Consequential damages or injuries caused by improper installation, alteration, or improper use are strictly that of the user. Unit MUST be cleared of All Snow Accumulation immediately to avoid overload. Unit is not to be used for occupancy for any length of time. No running internal combustion engines, open flames, or contact with heated surfaces are allowed.

For installation assistance or Customer Service, please call 800-447-7079 or 203-877-7070, 8AM-5PM EST. Cartons should be inspected upon delivery from carrier, and any evident damages should be noted on the bill of lading before signing. If upon opening the cartons hidden damage is noted, contact carrier or its agent immediately. Claims for shipping damage MUST be made with the shipping company. An inspection of the goods will most likely be required. Do not discard packing or any components before the freight company's inspection. All claims for freight damage must be made with 15 days of receipt of the goods in accordance with ICC regulations.

Assembly Procedure

The proper sequence and steps to install this unit will produce a proper and good installation. Failure to read and follow these guidelines may result in an improper installation and will void all warranty and protection the owner is entitled to with the product. The steps to be undertaken are:

1. Perform an inventory check before beginning to be certain all components are available for installation.
2. Prepare location and place both unit boxes near location sight.
3. Assemble three (3) arches of unit
4. Assemble unit end arch, interior arch, and wind braces with top ridge, base cross rail, and side cross rail sections.
5. Add additional arch assembly with each section of top ridge rail, base cross rails and side cross rails. 6. Place frame into desired position and **level** frame both end-to-end and side-to-side. Measure interior of frame feet across opposite corners and square as needed.
7. Anchor frame assembly to ground with provided anchors, u-bolts and drive rod provided.
8. Install two(2) doors on both ends of frame assembly.
9. Install main cover over frame assembly.

Tools Required

The following hand tools are suggested for proper installation of your new MDM Products unit:

9/16" Open End Wrench
9/16" Socket or Box Wrench
Large Flat Tip Screwdriver
Maul or Sledgehammer
2-foot Level
6-Foot Step Ladder

Inventory Check

Start installation procedure by removing all components from packaging and ensure all components are present. Refer to table on the following page.

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#ITEM	PART #	DESCRIPTION	QUANTITY
#1		TOP CONNECT TUBE	4
#2		CONNECT TUBE	8
#3		BOTTOM CONNECT TUBE A	2
#4		BOTTOM CONNECT TUBE B	2
#5		VERTICAL BRACE	4
#6		CROSS RALL A	10
#7		CROSS RALL B	5
#8A		CONNER WIND BRACE A	2
#8B		CONNER WIND BRACE B	2
#9	DR-3001	SOLID IRON POLE	1
#10	UB-3002	U-BOLTS WITH NUTS	4
#11	DBA-3000	ANCHOR LOOP	4
#12		TENT PEG	4
#13	EP-1000	¢28 ROUND END PLUG	10
#14		¢42 ROUND END PLUG	4
#15		ELASTIC ROPE	8
#16		NYLON ROPE	1
#17	TB-3004	TURNBUCKLE	4
#18	CBN-3005-2	3/8"X2-1/8" CARRIAGE BOLT	10
#19	CBN-3005-3	3/8"X3-1/4" CARRIAGE BOLT	20
#20	CBN-3005-W	3/8" WASHER	4
#21	CBN-3005-W	3/8" CURVE WASHER	28
#22		3/8" LOCKNUT	32
#23		3/8"X1-5/8" CARRIAGE BOLT	2

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Note: All Side and Base Ridge Poles MUST be on the inside of the Arch Frame Members. Top Ridge Poles MUST be on the outside of the Arch Frame members, except at the Ends. See Frame Assembly Step 5.

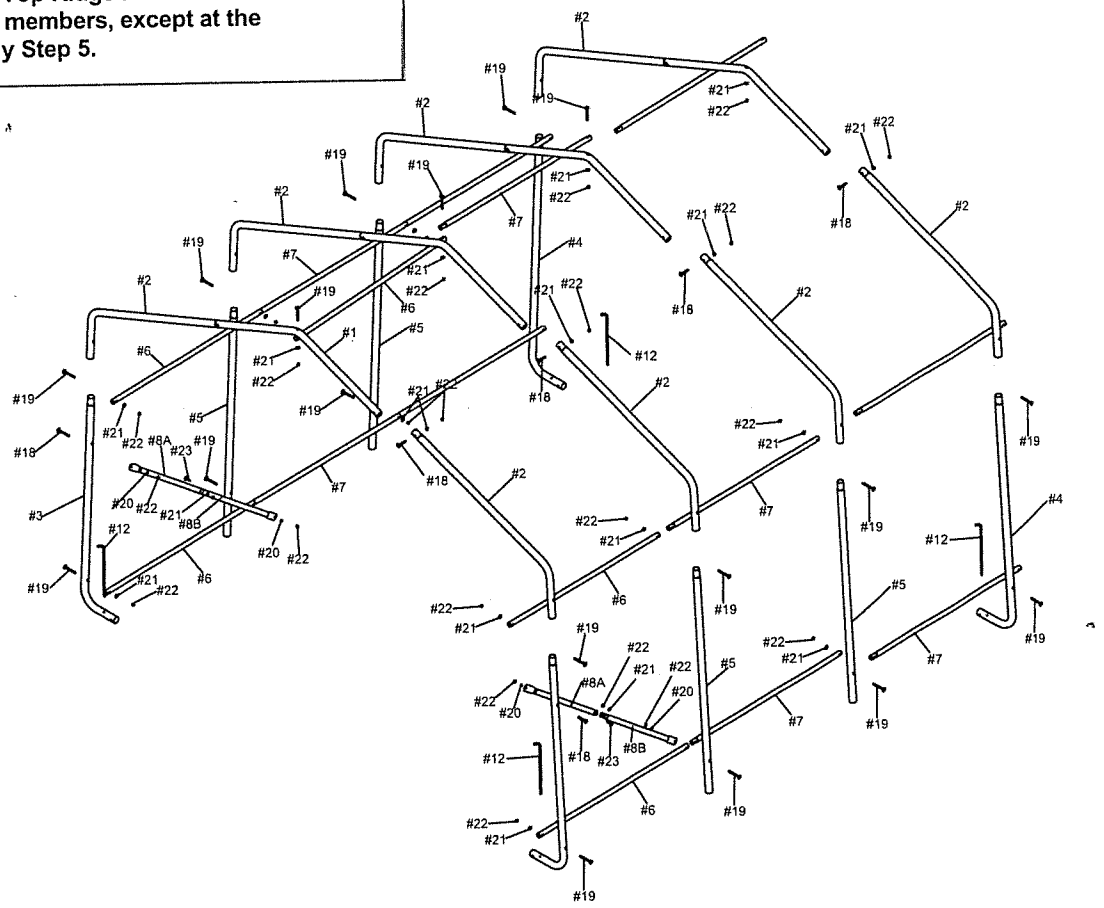


Figure 1

Site Preparation

Select a level or as close to level as practical location for your MDM Products unit. The unit should be placed on a base of materials suitable for the storage load to be protected. The unit should not be located under trees, which will shed hard fruit such as apples, walnuts, or heavy pine cones. The cover of your unit will protect against normally leaves and light debris, however large branches or other falling items may cause puncture or tears in the cover material.

Take notice of drainage around your intended location. Water draining from the surrounding terrain should be planned so that it does not run into the unit. As well, rain or melting snow that comes off the unit should be drained away rather than accumulate and pool around the unit.

Check to be certain that adequate clearance is allowed for entry and exit from ends of unit. As unit has different door openings on each end, ideally contents can be inserted or removed from either end.

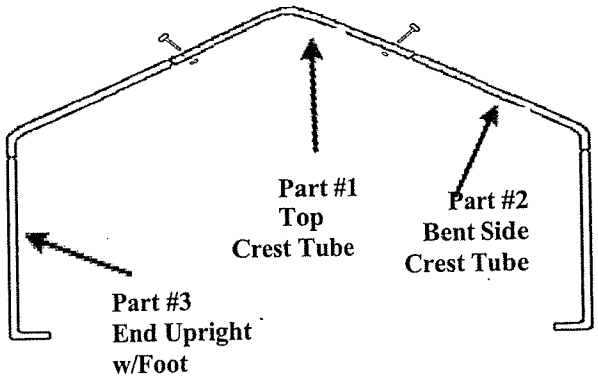


Figure 2

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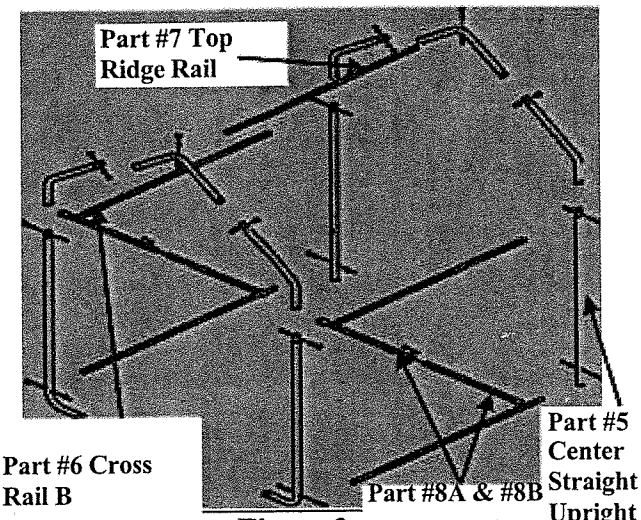


Figure 3 Corner Wind Brace

Frame Assembly

Step1. Assemble the Front and Rear End Arches(2) using (1) Top Crest (Part #1), (2) Bent Tube Side Crest (Part #2) and (2) End Upright w/Foot (Part #3) for each one. Use (4) #CBN-3005-2 carriage bolts (Part #18) with nuts and washers through pre-drilled holes in frame members.

Be certain to insert carriage bolts from the outer edge into the interior of the unit, with the washers and nuts on the inside of the arches. This will avoid tearing the fabric on doors and main cover when installed. Do not tighten the nuts completely until the frame is completed and set in place.

Step 2. Assemble the (2) Corner Wind Braces (Parts #8A & #8B) to the End Upright w/Foot (#3) to the first of the End Arch assemblies. Use a #CBN-3005-3 Carriage Bolt (Part #19) with Washer and Nut to secure the braces loosely to the Upright. Do not tighten completely.

Step 3. Assemble the remaining two interior arches using (1) Top Crest Tube (#1), (2) Bent Tube Side Crest (#2), and (2) Center Straight Upright (Part #5) for each of the arches. Use CBN-3000-3 carriage bolts (#19) with washers and nuts in the pre-drilled holes, aligned to form the arch.

Step 4. Support the End Arch with Wind Braces temporarily in the vertical position. Connect (5) (Part #6) Swedged Cross Rails to the End Arch with (4) CBN-3005-3 carriage bolts (Part #19), washers, and nuts through the pre-drilled holes in the arch members. TheSwedged end of the Cross Rails should face the interior of the unit to accept the next cross rail. The Swedged end of the Cross Rails should face the interior of the unit to accept the next Cross Rail. The Cross Rails should be put into the bottom and side hole of the arch upright. Again, don't tighten the hardware until the next arch and cross rails are assembled. It is very important to make certain all nuts are on the inside of the unit to avoid damaging the cover when put on.

Stand the interior arch assembly up vertically into position, so the cross rails align with the holes in the interior arch. Using four(4) Carriage Bolts #CBN-3000-3 (Part #19) with nuts and washers, connect the cross rails between the end arch and the first interior arch assemblies. Connect the two(2) Wind Braces (#8A & #8B) diagonally across the end and interior arch as shown in Figure 3

Step 5 Begin the Top Ridge Rail (#6) by placing a Top Crest Tube (#1) underneath the End Top Crest Tube. Secure the Cross Rail loosely with a Carriage Bolt #CBN-3005-3 (#19) with washer and nut facing the interior of the unit.

Step 6 Add rear end arch in the same fashion. Note that the plain end of the Swedged Cross Rail should fasten **under** the End Top Crest Arch and the Swedged End **above** middle Top Crest Arch.

NOTE: Do not completely tighten bolts that connect the Cross Rails to the End Arches. They must be removed for proper for End Panel Zippered Door installation

Step 7. Move the frame assembly into its final installation location. This should be done with at least one person lifting each side or corner to avoid bending or stressing any frame members. Frame should now be squared up in position. Measure from diagonally from inside corner to inside corner. Adjust frame and support as necessary to bring frame into square. **Failure to square frame of unit will result in poor cover fit and reduced strength and rigidity.** If end or interior upright ends are placed on soft material that will not support weight, recess small patio blocks or bricks under leg ends. This will also allow better setting of frame before securing to ground.

Step 8. Once frame is square and properly supported, tighten carriage bolts on all frame members, except for End Arch members to Cross Rails along base, side, and top. After hardware is tightened, insert plastic end plugs (Part #1 4(1 5/8") & (Part #13) (1") into all open ends of frame members.

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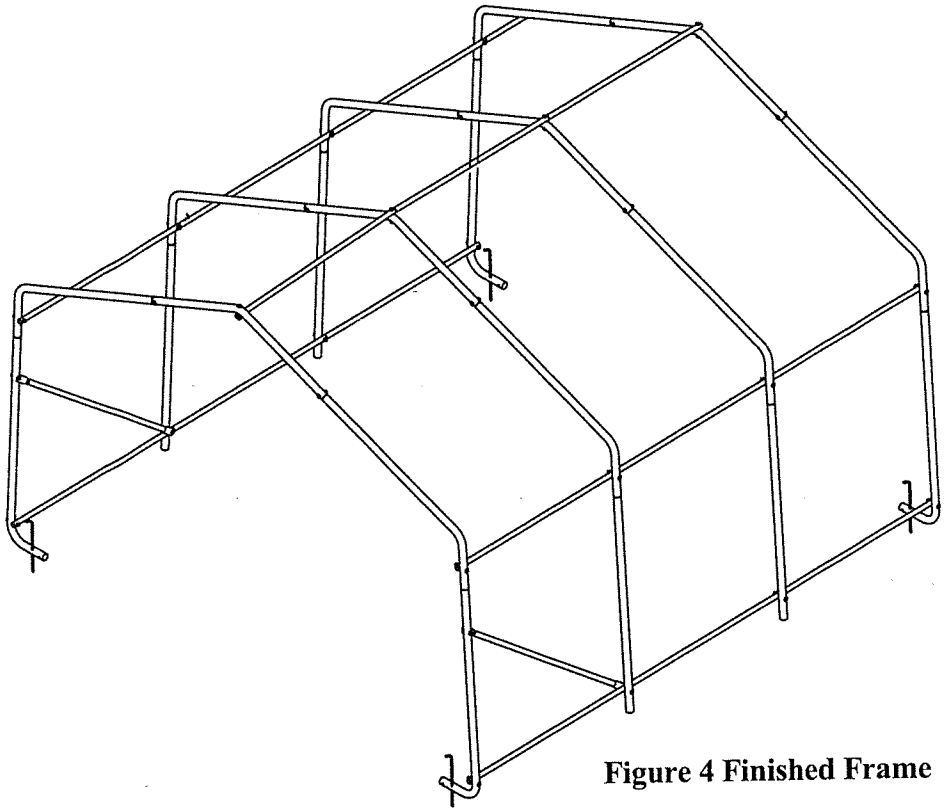


Figure 4 Finished Frame

Anchoring Frame To Ground

Once frame is square and properly supported, tighten carriage bolts on all frame members, except for End Arch members to Cross Rails along base, side, and top. Do not over tighten or oval tubing. After hardware is tightened, insert plastic end plugs (#16) (1 5/8") & (#15) (1") into all open ends of frame members.

NOTE: Frame must be anchored before installing any doors or cover.

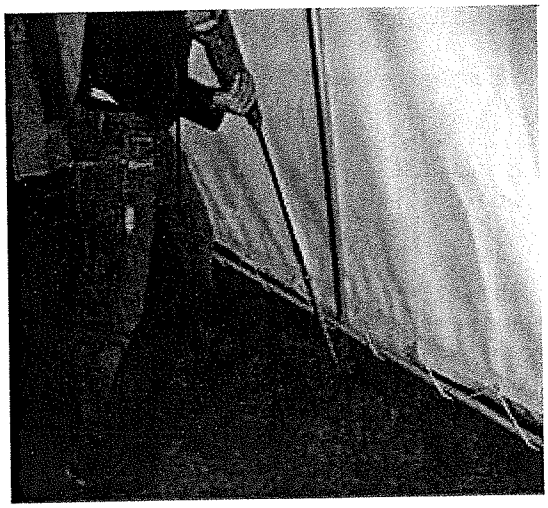
E ach MDM Products 5x10x8 building comes with 12 EARTH CABLE ANCHORS with U-bolts and nuts. These versatile anchors allow the frame to be secure d to almost any surface. In addition a 36" Drive Rod is provided to drive the anchor heads into the earth.

If the location where you are placing the building has very hard ground or any rock in it, pre-drill the holes before inserting anchors. Hammer drills can be rented at most home improvement or rent-all centers. Hitting the anchors into rock will cause the drive rod end to mushroom inside the anchor head, and prevent the drive rod from coming out of the hole.

Anchor placement should be made inside the frame at the interior corners of the unit, and midway along the sides of the frames. Anchors secure the building to the ground, as well as prevent spread of the frame over time.

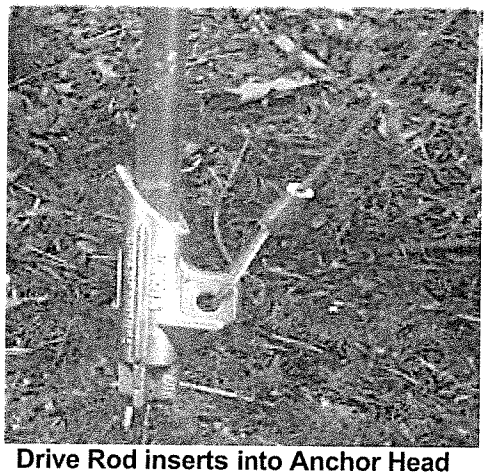
ANCHOR STEP 1

P lace the drive rod provided into the cup of the anchor. Using a heavy hammer drive the anchor into the soil until 6-8 inches of cable remains above the earth. Remove drive rod.



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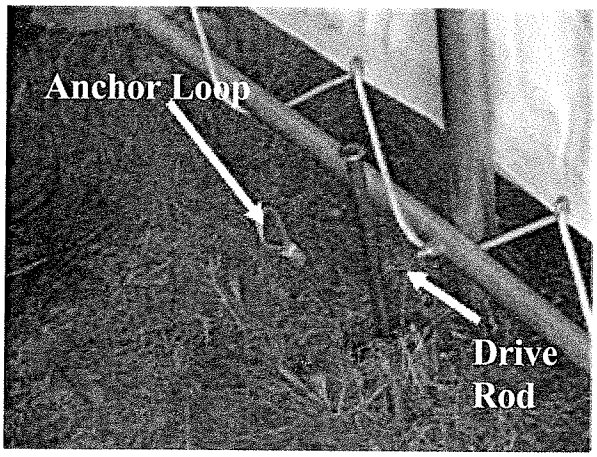
Pre-Drill Holes if there are any rocks in ground

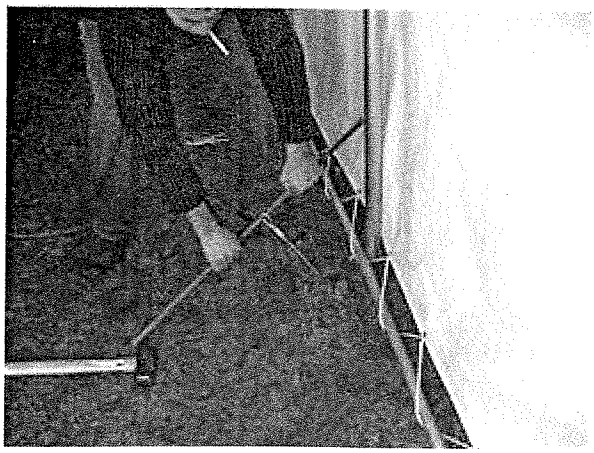


Drive Rod inserts into Anchor Head

ANCHOR STEP 2

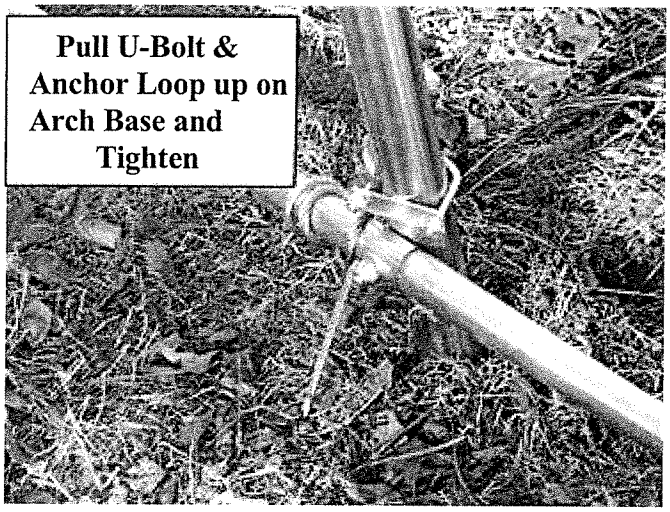
Place the Drive Rod through the loop in the anchor lanyard . Pull upward to set anchor head into the ground.





ANCHOR STEP 3

Slip one side of the U-bolt through the eyelet at the end of the anchor cable. Attach the cable to the Arch leg upright with the U-bolt and tighten. Do not attach to base cross rails. Ensure there is no slack in the cable. Slack can be removed by wrapping the cable around the arch upright.



Step 9 - Door Panel Installation

Note: Both End Panels MUST be installed before installing Main Cover onto frame.

Note that one door has a Full Width opening and the other a Manway opening. Plan location of each before installing door ends.

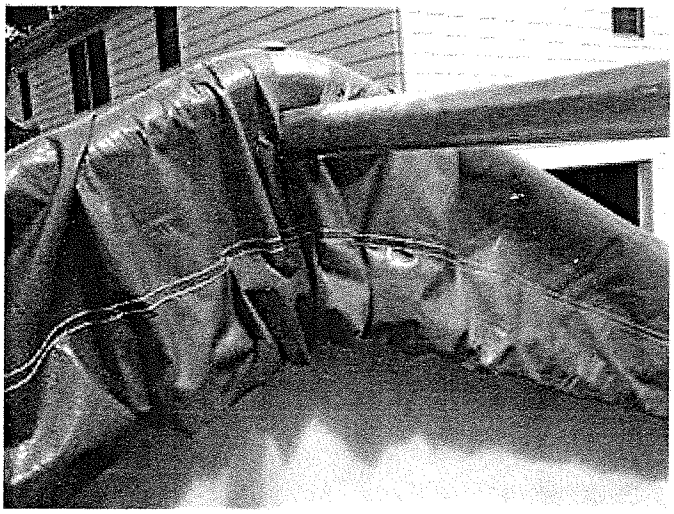
Remove Carriage bolts from the Top Crest Rail and the two Upper Cross Rails. Install End Panel Doors w/Zippers (P art #24) on ends of the Frame assembly.

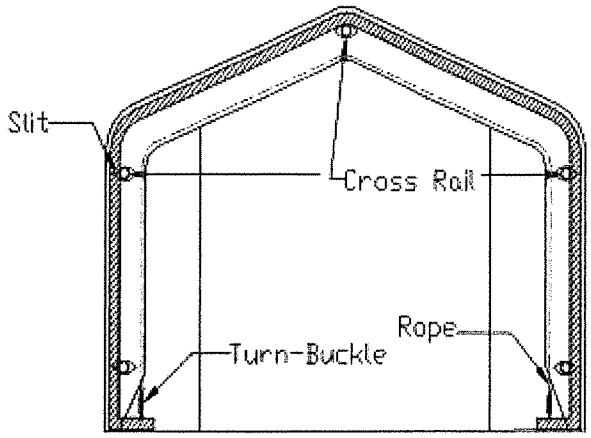
Place the end panel over the first arch and wrap the material around the arch bringing the slits in the end panel to the inside of the frame arch. End Door Panels have pre-cut slits that allow frame members to pass through so rope pocket is inside unit. Place the top ridge cross rail pole and the side cross rails through the material slits and replace the carriage bolts and tighten. The door end will also require removal of the wind brace bolts and placement of the wind braces through slits in the ends panel. Reconnect wind braces with carriage bolts once end panel is put into place.

Door assembly is drawn over frame by tightening rope and securing to turnbuckles at the arch foot. Frame must be

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secured in position so it does not move as end doors and main cover are tightened over frame. This step is key to good fit and to pre vent door movement in wind.





T he rope channels should be located inside the unit, with the frame members passing through the pre-cut slits i n the end panel/door. Replace and tighten the carriage bolts after putting the e nd panel into position.

When putting on the doors, adjust the length to make certain the doors do not drape onto the ground. Adjust by pulling more or less material over end arch. If pulling them up puts too much stress on the slit where it goes over the wind brace, use a sharp knife to cut slit another inch or two to relieve it. The PE fabric is rip-stop weave and will only separate where cut.

Tie off one end of the rope coming out of the end panel to a turnbuckle. Turnbuckle should be loosened all the way and the open hook end attached to the hole in the inside of the end arch. Hold the end of the unsecured rope and apply pressure downward with a foot to remove excess. Re-adjust gathered material evenly along door rope. This step is key to getting a good door fit. Tie off the end off the rope to a second turnbuckle attached to a hole in the foot of the end arch on the opposite side. The end panel can be adjusted further by tightening the turnbuckles.



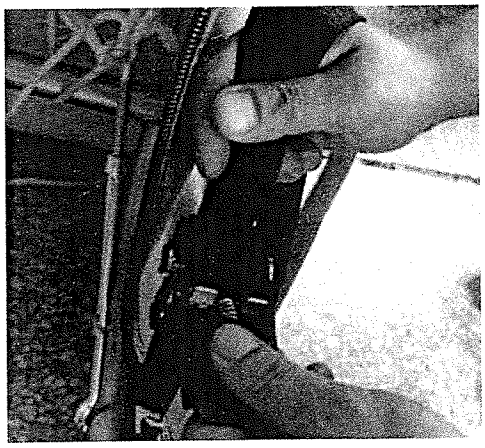
Step 10 - Main Cover Installation

Step 1. To elongate the life of Main Cover, put a small square c duct tape (field supplied) over each bolt head on frame that comes in contact with cover. The tape acts as a cushion to avoi rubbing damage to the cover over years.

Unpack the Main Cover #MUC-5000 from the protective plastic packaging. The line of grommets on the inside (white) of the cover on the tie down Flap run parallel to the sides of the frame assembly for positioning. Once cover is oriented properly to the Frame Assembly, pull Main Cover over frame assembly from the side, being careful not to snag the cover on any member, bolt, o other obstruction. Center the Main Cover over the Frame Assembly with the Main Cover colored side showing from the outside of the unit.

Step 2. Loosen the 4 ratchets. Place the hook that is attached the ratchet strap into the outer hole in the foot of each end arch.





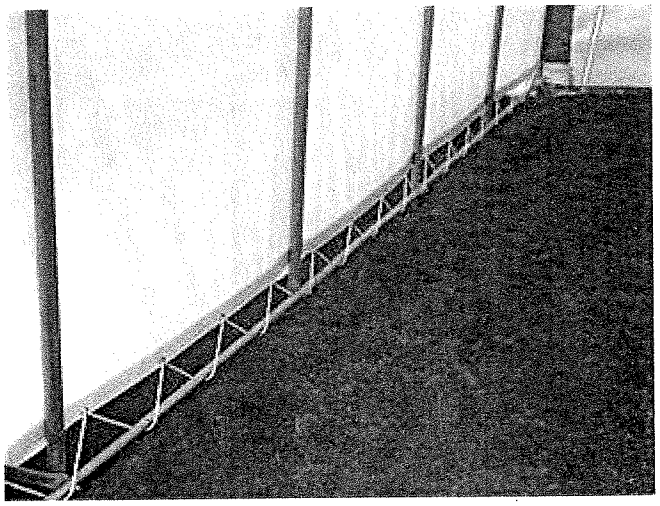
Step 3. It is important that your cover is laying square over the frame before you start ratcheting down the cover. Once the cover is even on all four sides, slowly start ratcheting down all four corners.

Warning: Do not over tighten the ratchet straps.

Pay close attention to how tight the cover is put onto the frame. It should be tight enough so it does not flap around in the wind, but not so tight that it tears the material cover. The fabric backed PE fabric of Rhino Shelter units does not stretch. If you pull it so tight that the fabric is stretched, a small amount of additional stress from wind or contact can cause premature tears and material failure. Only tighten cover enough to remove valleys between arch assemblies. Do Not over tighten.

Once the ratchet starts becoming harder to tighten stop so you do not damage the cover.





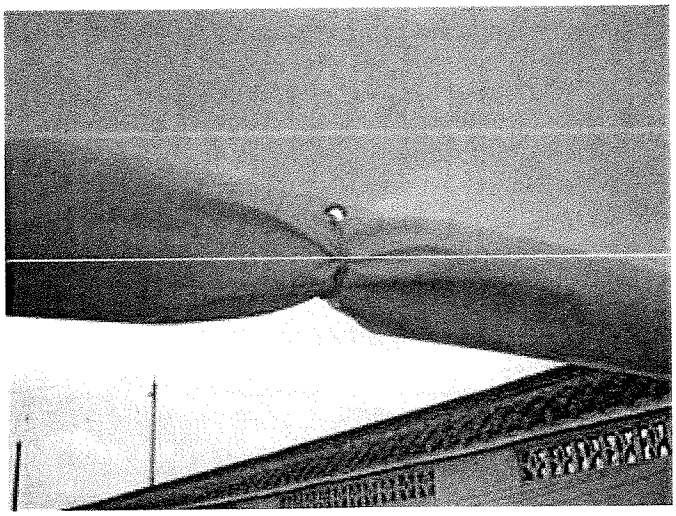
Door Hold Ups

All MDM Products doors are manufactured with a pocket on the bottom edge along the width axis. A ½" to 1" plastic or metal tube can be inserted into the pocket and trimmed to fit width. Weight will reduce door movement in wind.
Four (4) bungee straps are provided to retain the door up. Roll the door from the bottom and secure the door roll wit h a bungee through the upper door grommet as shown.

Step4 When the cover is completely aligned secure the cover to the bottom tie-down cross rail using the rope provided. S tart at one end and tie off the rope to the cross rail. Lace the rope through the grommets in the cover and back under the tie-down cross rail. Repeat this on th e opposite side

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Ret ighten the turnbuckles on both the cover a nd end p anels. Retighten the rope holding the main cover to the bottom cross rail. **Both the cover and the end panels should be checked and tightened on a monthly basis.**



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Maintenance and Care

Annually or more often , the unit should be completely inspected internally and externally to make certain the unit remains properly installed and secured. Particular attention should be paid to:

Hardware - check all carriage bolts and hardware connectors to be certain they are in place and tightened

Anchors - during normal weather trends, the unit will s train against the anchors under windy conditions. Anchor hardware connection to frame members should be maintained tight and depth of anchors should be checked to be certain they remain deeply and firmly set.

Snow Accumulation - all snow accumulation on the main cover should be removed as soon as practical. The days following the snowfall when the snow melts are when most snow damage can occur. Unit is not designed for any amount of accumulated snow or ice. Tap the main cover from the inside with a broom end to knock off any accumulated snow.

Main Cover Lacing - the poly rope that secures the main cover to the bottom rail of the frame assembly should be checked, and adjusted as needed. The tension on the main cover should be uniform from end to end and side to side. Rope ends must be tied off onto the frame members at the ends on each side.

Turnbuckle Adjustment - during normal wind conditions and load, the doors and main cover adjustment points at the turnbuckle should be checked and tightened as necessary. The turnbuckles should be neither completely extended nor taken up, so that turnbuckle should be tight when in the mid range of overall adjustment. If necessary, readjust rope tie off on turnbuckle as needed to tighten or loosen as needed.

C leaning - cover and doors can be cleaned with a mixture of light detergent and water. A soft bristle brush with the mixture can be used to loosen any hard dirt, mold, or buildup on the cover. After cleansing, the cove r should be rinsed thoroughly to avoid any chemical reaction from residual detergent. Allowing dirt and debris to sit on cover over an extended time will damage cover irreparably.

Severe Weather - in preparation for inclement weather, completely secure the doors on both ends of your MD M Products shelter/garage. Allowing wind to enter either end lifts the building and puts undue stress on the anchoring system. This also shortens the life of the doors, zippers, and main cover.

Customer Service or Installation Assistance

Please call MDM Products at 800-447-7079 or 203-877-7070 for questions about the installation of the unit in any way. Care and attention to a proper installation will add many years of life and function to your MDM Products unit

Please retain purchase documentation for your MDM Products unit. All warranty claims must include purchase documentation for verification. All parts on your MDM Products unit are available for replacement as needed. Protect your purchase by completing warranty registration card and mail/fax as soon as practical after installing your unit.

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