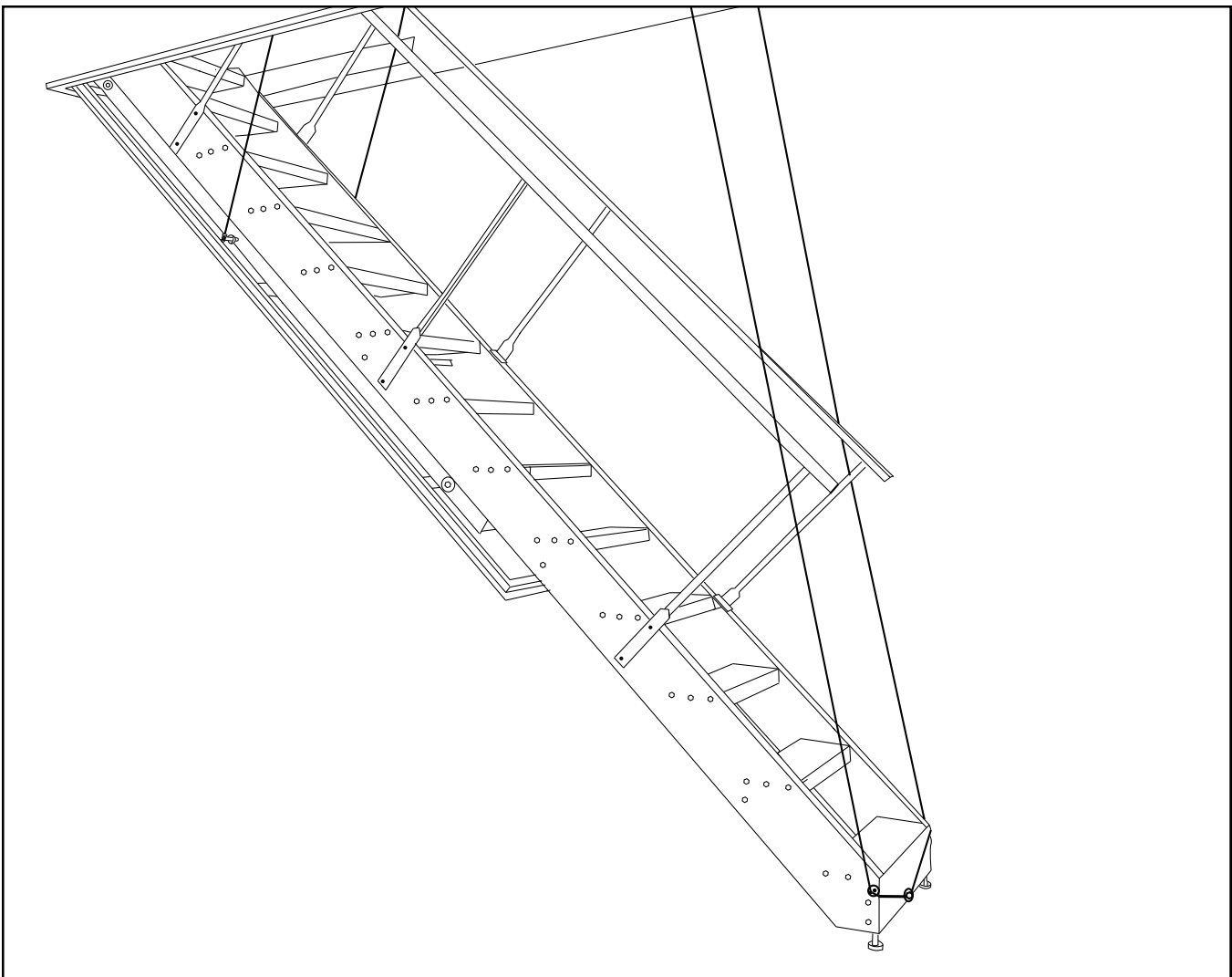




## INSTALLATION INSTRUCTIONS

### MAJIC STAIRS



Welcome and thank you for purchasing Majic Stairs. We hope you will enjoy the ease of use and safety that Majic Stairs provide. Please thoroughly read all aspects of the installation instructions when beginning your Majic Stairs installation as we have included numerous safety measures for your protection.

Be sure to also locate the owners manual in order to understand all aspects of the stairs operation before use. Stay safe and enjoy!



## MAJIC STAIRS INSTALLATION INSTRUCTIONS

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Congratulations on purchasing the safest and easiest to use attic stairs on the market. Majic Stairs, when installed properly will provide you many years of trouble free use adding safety and value to your home.

Prior to starting your installation, please check the parts list and confirm that you have everything necessary to complete the installation. In addition, check the tools required list to confirm you have all the necessary tools.

We recommend you have a working knowledge of tools and home improvement skills.  
It is also recommended that you work with a helper or assistant.

Start with prepping your garage. There will be some dust and debris so be sure to protect the garage floor with a tarp and cover any items around area where the new access hole will be cut.

# MAJIC STAIRS INSTALLATION INSTRUCTIONS

## Section 1: Safety Precautions

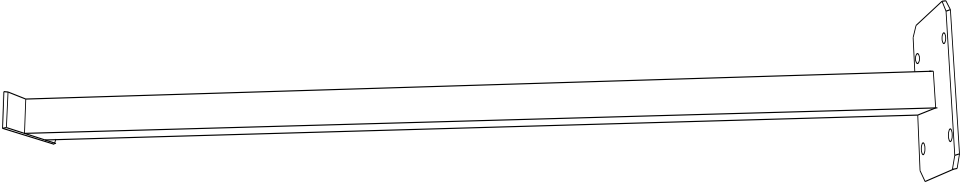
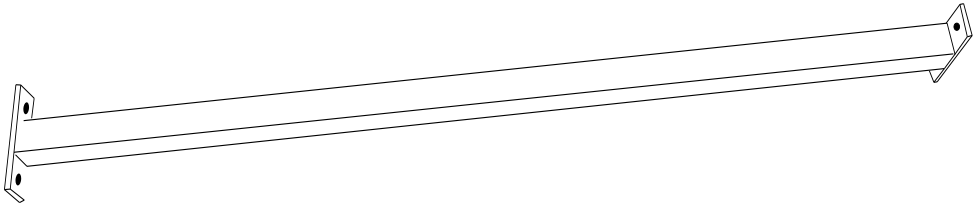
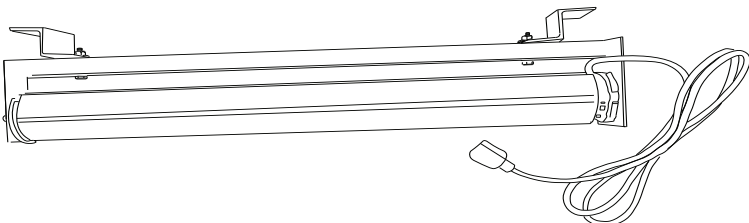
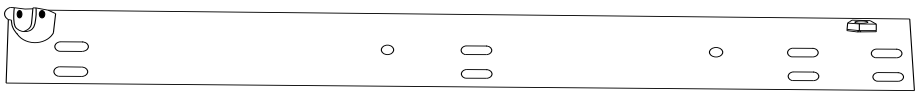
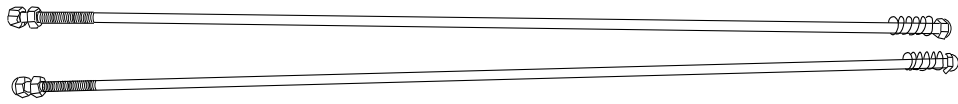
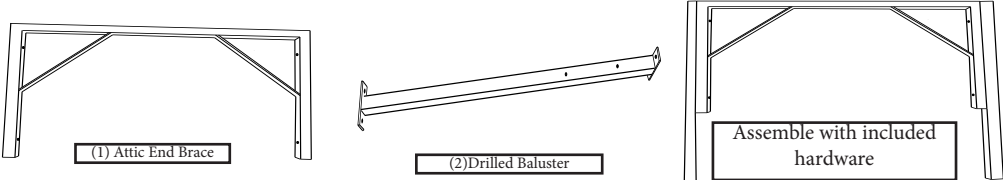
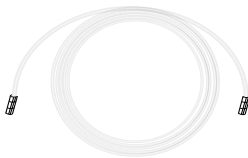
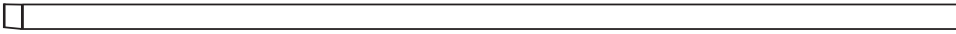


### DANGER

- No person under 18 years of age should be allowed to operate this product.
- Children should be kept away from the stair when it is in operation.
- When not in use, remove the remote control and store it where children cannot get it.
- When not in use, always raise the stairs until they are closed in the up position.
- This product can cause serious injury or death to anyone if installed or operating the stairs improperly.
- This product can cause serious injury or death to anyone who attempts to ride, or lift objects with Majic Stairs.
- When working in the attic, stay on the decked areas.
- If you must enter non-decked areas, stay on the joists. The material between the joists will not support your weight and will collapse if you stand or sit on them, causing you to possibly fall through to the floor below.
- Be alert to overhead hazards such as exposed nails.
- Be aware of and avoid openings such as the ladder opening or the stairs opening when you are working or moving around the attic.
- When working near the opening, cover it with a piece of plywood and be aware of the opening as a safety precaution.
- When working with power tools, follow all the manufacturers' safety guidelines and wear approved safety gear.
- Do not work alone in a hot attic if you have any health condition that could affect your balance, mobility, or cause you to lose consciousness.
- Do not work in the attic in the heat of the day as this can cause heat exhaustion. Morning hours are the coolest times to work in the attic.
- Do not operate this equipment in damp, wet, or poorly lit attic spaces.
- Do not use this equipment in the presence of flammable gases or liquids.
- Keep the work area clear of obstacles to prevent falls or injury.
- Use only grounded power outlets or extension cords.
- To reduce the risk of accident, severe injury, or death, all persons must read and understand the product instructions completely before installing this equipment.
- Do not stand under or allow anyone to stand under the stairs while in operation, or during installation.
- Do not have people in attic for final adjustments. (motor has safety control and can shut off for cooling period if needed to protect the motor.)


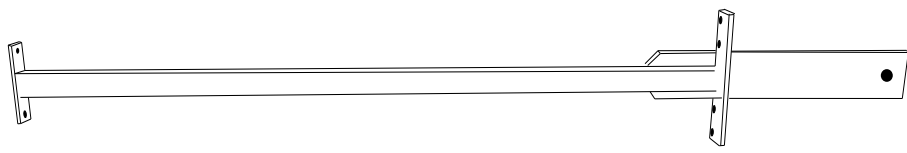
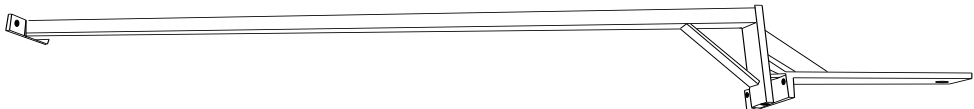

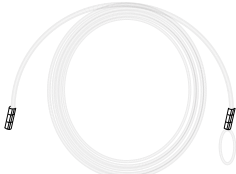

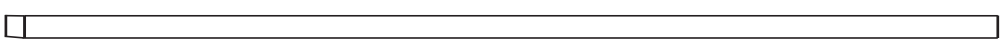
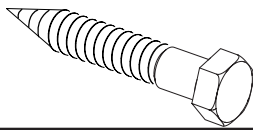
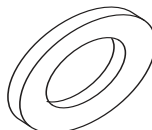
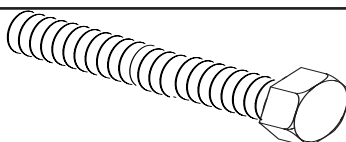
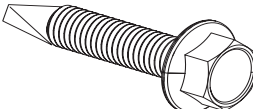


## Section 2: Components

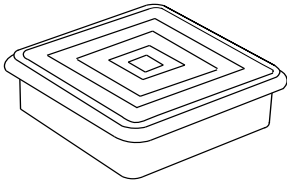
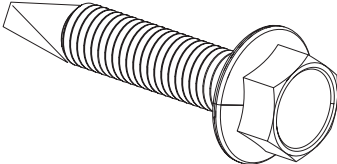
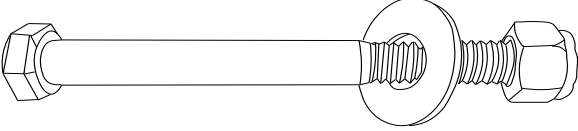
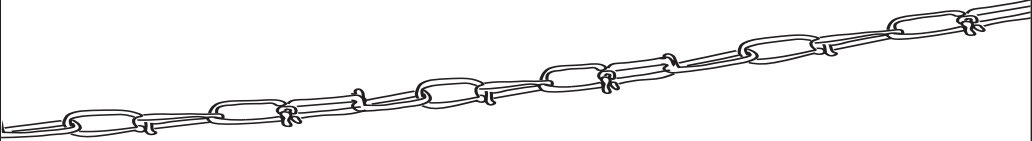
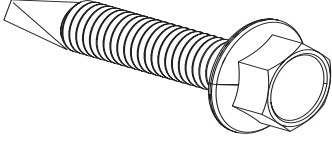
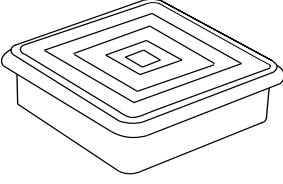
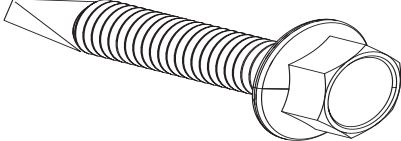
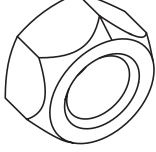
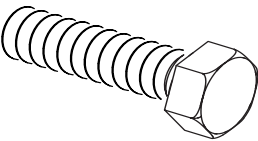
## MAJIC STAIRS INSTALLATION INSTRUCTIONS

Quantity	Part	Picture
Attic Parts - Upper Workstation		
2	Corner Baluster	
0-4	Intermediate Baluster	
1	Motor Assembly	
2	Yellow Hanging Bracket	
2	1/4" Threaded Adjustment Rod Assembly	
1	Attic End Brace and Intermediate Balusters (*parts are included with your unit if required, see note on page 10- FIG 2D)	
1	Drive Cable	
2	Attic Rail 8', 10' or 12'	 <p>Generally same length as door size ordered</p>
2	Safety Signs	 SAFETY SIGN-A  SAFETY SIGN-B

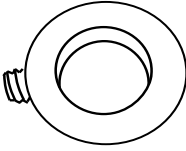
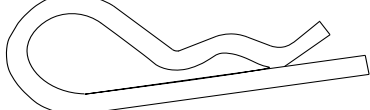
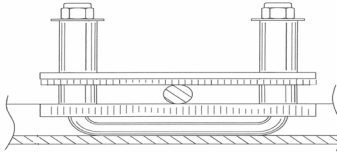
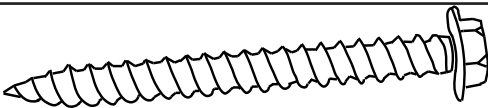
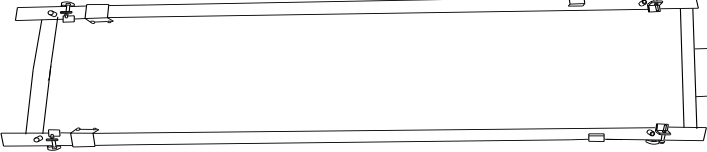
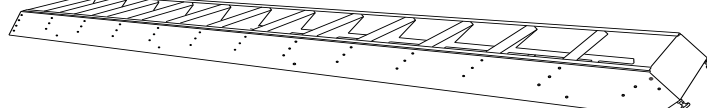
## MAJIC STAIRS INSTALLATION INSTRUCTIONS

Quantity	Part	Picture
Stair Parts - Lower Workstation		
1 of each	Pivot Rod (1)Hole Angle Rod (2) Hole Cable Rod (2) Notch	
6-10	Stair Baluster	
6-10	Wide Stair Baluster	(For Wide Systems, not included in all set ups) 
1	Sign Remote Operation	
1	Install Lift Cable (for install use only)	
1	Bottom Door and Frame (sizes vary with stair size)	
2	Stair Rail 8', 10', or 12'	
Attic Hardware - Upper Workstation		
24	5/16" x 1.5" Lag Bolt	
24	5/16" Washer	
2	1/4" x 1 1/2" Gold Bolts	
12	#12- 3/4" Tek Screws	

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

Quantity	Part	Picture
Attic Hardware - Upper Workstation Continued		
4	1" Plastic Caps (Attic Rails)	
6	#14 - 3/4" Tek® Screw	
2	5/16" x 3" Bolt/ Washer/Nut	
1	Small Chain used for install of door assembly- See Section 12	
Hardware - Lower Workstation		
20	#12 - 3/4" Tek® Screw	
4	1" Plastic Caps (Stair Rails)	
40	#14 - 3/4" Tek® Screw	
10	1/4" Nylock Nuts	
10	1/4" x 3/4" Black Bolts	

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

Quantity	Part	Picture
Hardware - Lower Workstation Continued		
6	Shaft Collars	
2	Hitch Pin	
1	Square "U" Bolt Assembly (See appendix for Deep Truss "U" Bolt Assembly pg. 25)	
6	2" White Wood Screws	
1	Main Frame (attached to stair unit underside)	
1	Stair Unit (pictured without main frame)	

**PLEASE NOTE-** Hardware shipped with unit is for all size units, you may find extra hardware upon completion of your install.

- Tape measure
- Full set of screw drivers
- Skill saw
- Pencil
- Allen Wrench 1/8"
- Impact driver
- Small Pry bar
- Vise Grips
- 6' And 8' ladders
- Cat's paw
- 1/4", 5/16", 7/16" and 1/2"
- Sawzall include rough and 12" metal blades
- Drill
- Nut Driver
- 3' Level
- Set of Drill bits
- 7/16", 3/8", 1/2" & 9/16" Ratchet
- 9-12" Bullet Level
- Hammer
- Box wrench
- Speed Square
- Metal File

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

### Section 3: Locate Access Hole for Stair Location

Majic Stairs are available in 2 widths.

The Standard size is designed to fit between trusses for a finished width of 22.5"

The Wide railing system can be used with a finished width of 29.5"

Locating the opening for the stairs-

Check to see what size door came with the Majic Stairs. If you are using the existing scuttle hole remove the existing ladder. Check to see where you are going to extend the opening to create the best location for the stairs. Make sure there is no wiring, ducts, gas pipes, fixtures or anything else in the joist cavity or in the ceiling where the opening is to be made.

If you are creating a new opening determine the location which gives you the best install.

Again check that nothing is in the way inside the joist cavity or on the ceiling in the lower area.

The width will be either 22.5" or 29.5" the length will be 1/2" shorter than the door panel.

If the opening between the joist is slightly less than the 22.5" or the 29.5" you need to spread the joists apart.

First confirm that the spacing between joists is consistent through the entire length of the opening. If not, remove the nails or screws from the decking or flooring on the joist that is bowed in. Cut 2 blocks the width of your required opening and drive the joist over the full length of the opening. As you drive the joist, re-nail the floor or decking to hold the proper width.

You will need to trim off any plywood or O.S.B decking that overlaps the opening.

Place blocks at both ends of the opening using lumber the same size as your floor system.

(Make sure the blocks are square to the joists or trusses).

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

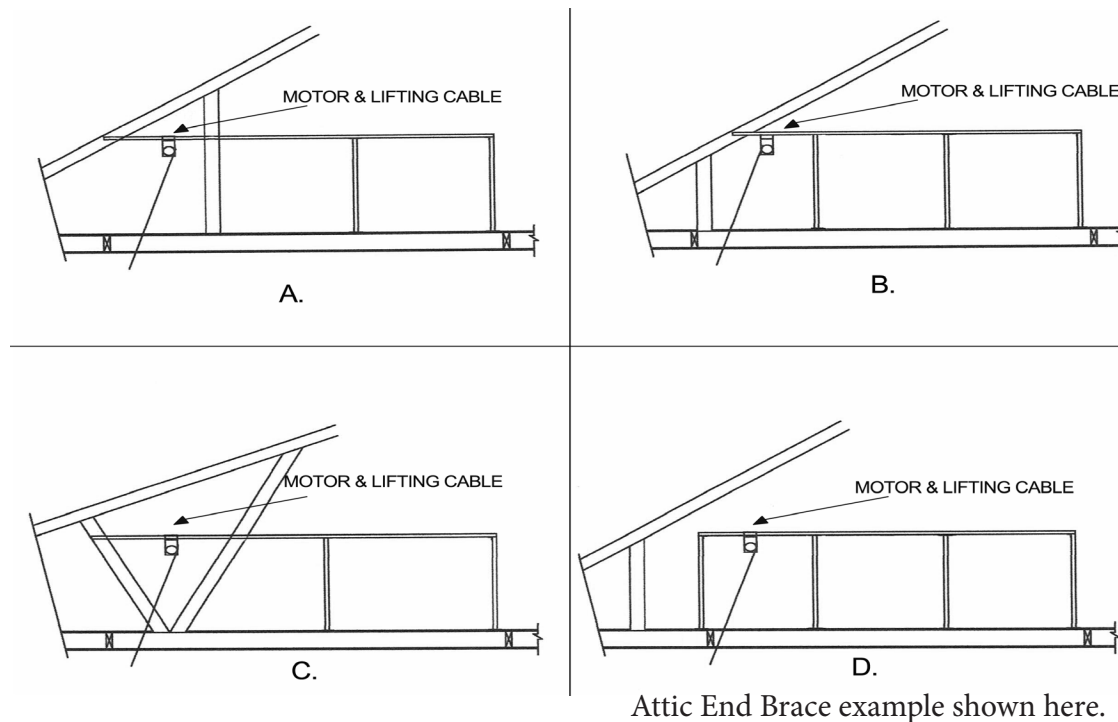


Figure 2

### Section 4: Railings and Motor

Look at the drawings of attic railing layouts in figure 2, and find the one that pertains to your install. The top step of the stairs will be level with the attic floor.

Mount attic corner balusters. The ideal location is 10" into the opening from the hinge end using 4 lag bolts and washers in each. (If your attic area is tight you can mount the balusters back as far as 18" from the hinge end.) (see Figure 5A on pg.13)

The width between the attic railings has to be 25.5" (for standard size units), or 32.5" for wide size units (See figure 3).

The attic railing must be supported every 4 feet with a truss leg or intermediate baluster.

Mount intermediate balusters with 2 lag bolts and washers in each.

The attic railings should overlap the end baluster by 1" at the front, and bolt to a truss leg or end brace at the back of the opening.

Measure the attic railings, cut off any excess and mount the railing to the balusters with #12 Tek screws. \*If you need to cut the railings, file the burr off before you place the end cap.

Drill a 3/8" hole in the railing and through the structural part of the truss and bolt it on using the 5/16" x 3" bolt, washer and locknut. If the opening is in the middle of the attic, or the house has conventional framing you should have an attic end brace to support the motor and rails. (See figure 4 on pg. 12) The end balusters have holes that align with the holes in the end brace. Attach with 1/4" x 2 1/2" bolts, washers and locknuts.

There should be a baluster or framing mount within 30" of the motor.

(Continued on page 13)

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

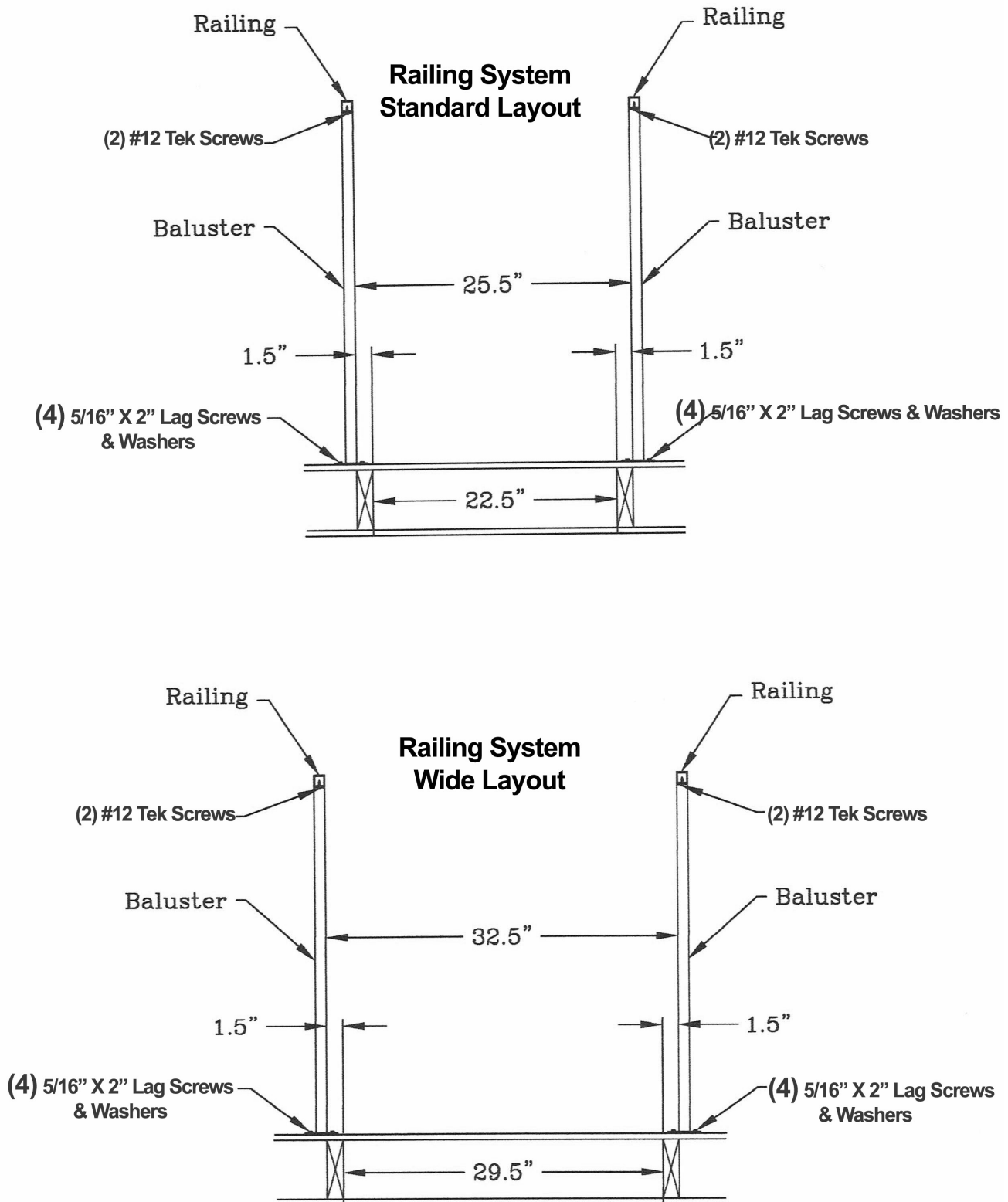


Figure 3

## Upper Railing System

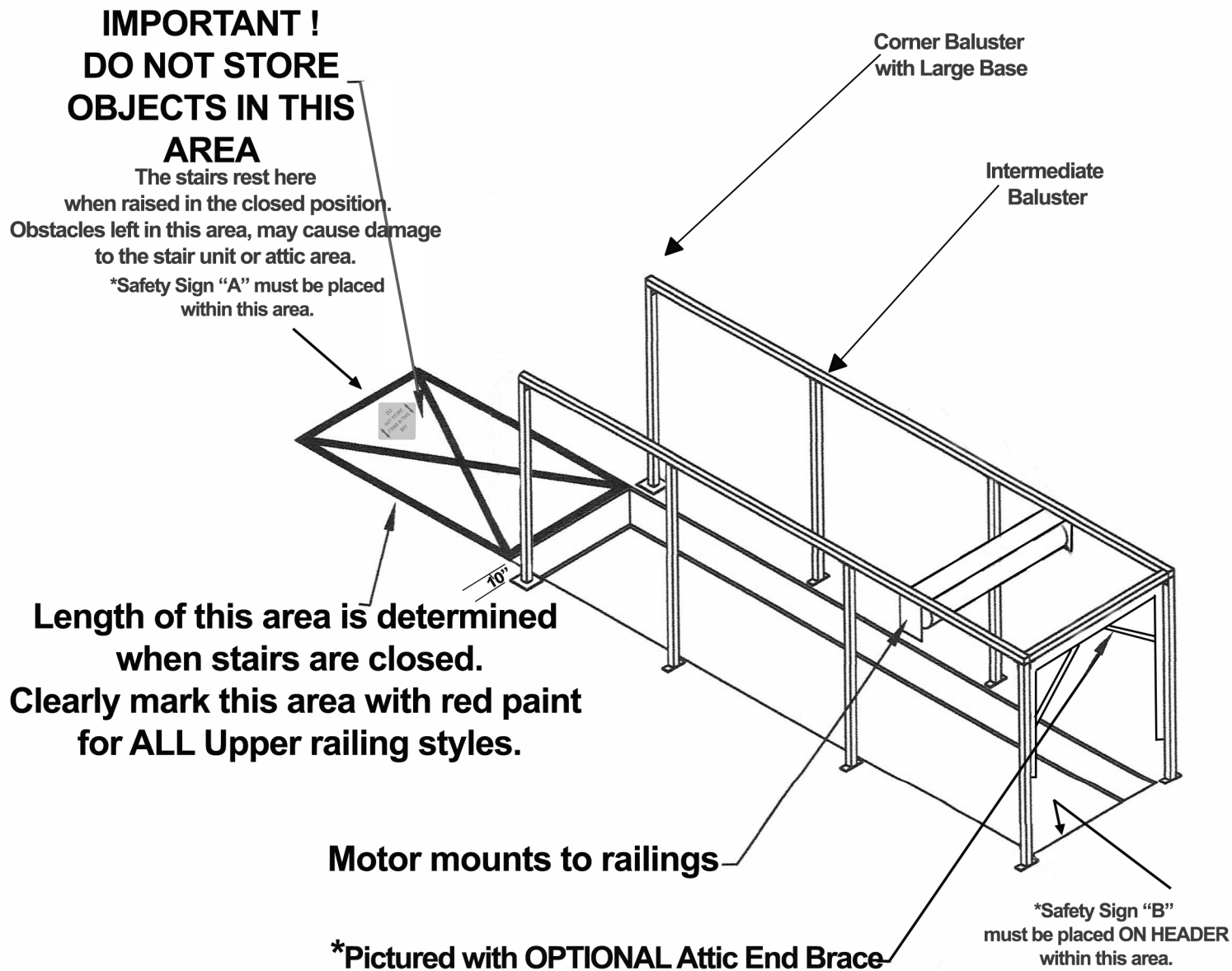


Figure 4



## MAJIC STAIRS INSTALLATION INSTRUCTIONS

The motor should be mounted between 20 and 24 inches from the back of the attic opening and mounted so it hangs below the rail (See figure 5). (From the end opposite where the stairs will hinge). Hang the motor bracket with the motor hanging on one of the rails and swing it horizontal to catch the other rail. (See figure 5B) Square the motor to the opening and fasten with (6) #14 Tek screws. Tighten the vertically mounted bolts on the motor bracket. (In some cases you may have to mount the motor lower than the handrails.) **(Never attempt to lift the stairs with the motor until the motor is secured to the handrails as serious injury could occur)**

\*\*If you have to mount the motor lower, call Majic Stairs;

Ron (352) 255-1390 or Steve (352) 266-7200.

### 2. Motor Installation

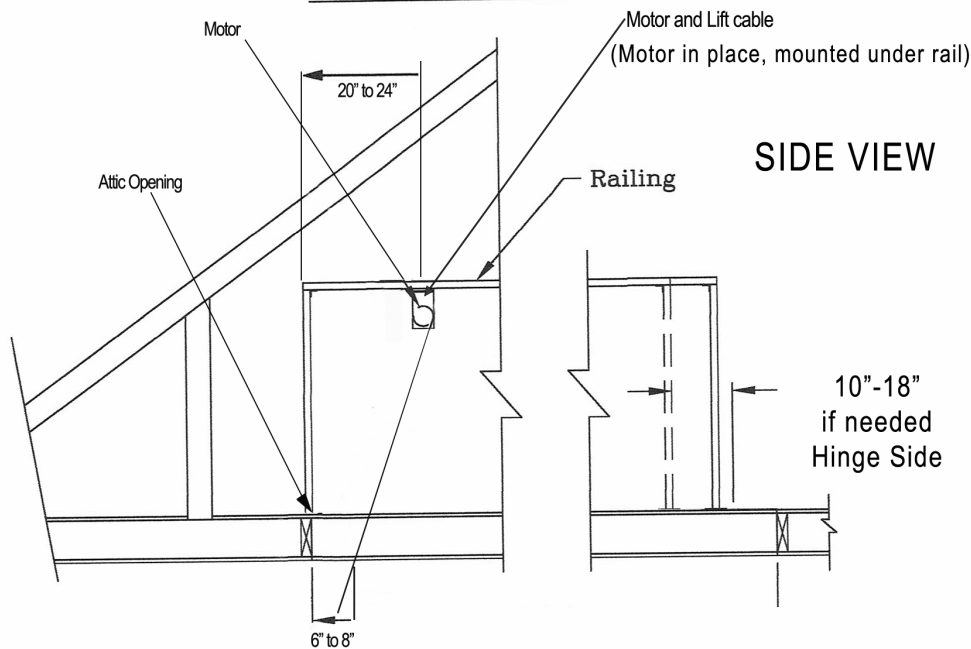


Figure 5

Figure 5A

1. Slide Motor Bracket onto railing and swing to engage with opposite railing.

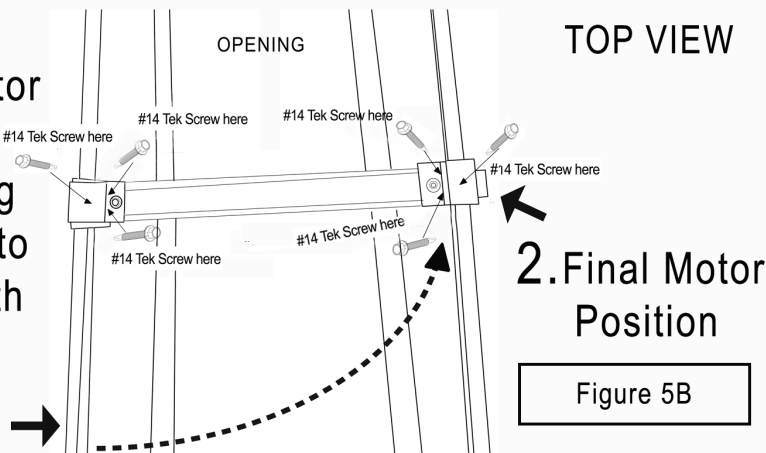


Figure 5B

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

### Section 5: Install Left and Right Yellow hanging brackets

\*If your attic floor is 2 x 4 you need to add the "Extension Plate"

The yellow hanging brackets are designed with 2 sets of holes. **You only use one row, pick the row that gives you the strongest mount.** (See Figure 6)

Check the level of the attic floor. Start on the highest side.

The yellow bracket must be mounted 1/16" inch above the attic floor. (If the hanging brackets are not slightly above the attic floor the stairs will drag on the floor and not close properly.)

Place 5/16" x 1- 1/2" lag bolts with washers in the end holes of the hanging bracket, with the bolt at the end of each slot away from the header.

Level across to the other joist and mount the hanging bracket the same way.

(Depending upon how level your floor is, the opposite hanging bracket will be the same or higher than the first one)

With the bolts at the end of the hanging bracket slot you will be able to slide either bracket away from the header to adjust stair alignment.

**EACH YELLOW HANGING BRACKET REQUIRES A TOTAL OF 4 LAG BOLTS**

\*The round hole is used to LOCK the hanging brackets in place once adjusted.

**You must use one of the LAG BOLTS in a round hole** (after final adjustments).

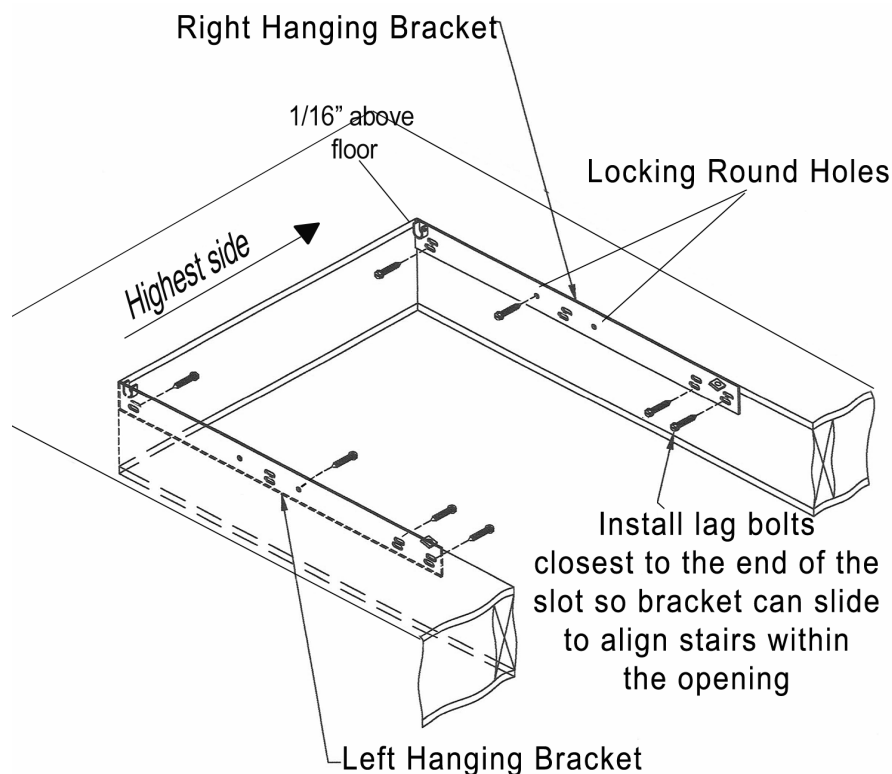


Figure 6

# MAJIC STAIRS INSTALLATION INSTRUCTIONS

## Section 6: Stair Assembly

Place the stairs right side up (on a protected surface) or on saw horses.

Locate the PIVOT rod, (The rod with (1) hole on ONE end. See figure 7) MAKE SURE THE WIDTH OF THE PIVOT ROD FITS BETWEEN THE HANGING BRACKETS.

Install PIVOT rod through the holes in the top of main frame right above the angle cut.

Slide a shaft collar tight to the main frame on each end of the rod leaving equal ends of the rod exposed, (MAKE SURE THE SET SCREW IN EACH SHAFT COLLAR ALIGNS WITH THE OTHER SHAFT COLLAR AND THE ALLEN FITTING FACES THE FLOOR) tighten up with a very hard twist.

Next slide the ANGLE adjustment rod, (the one with the  $\frac{1}{4}$ " hole in each end) through the hole that is approximately 28" from the top of the main frame and place a shaft collar on each end (set screw has to be 90 degrees opposite the hole that is in the ANGLE adjustment rod), and facing the bottom of the stairs, firmly tighten. Slide the CABLE rod (the one with the notches on each end) through the holes on the bottom step and slide a shaft collar on each end (set screw has to be 90 degrees from the notch that is in the CABLE adjustment rod) tighten hard.

Position all rods so they are centered in the stairs.

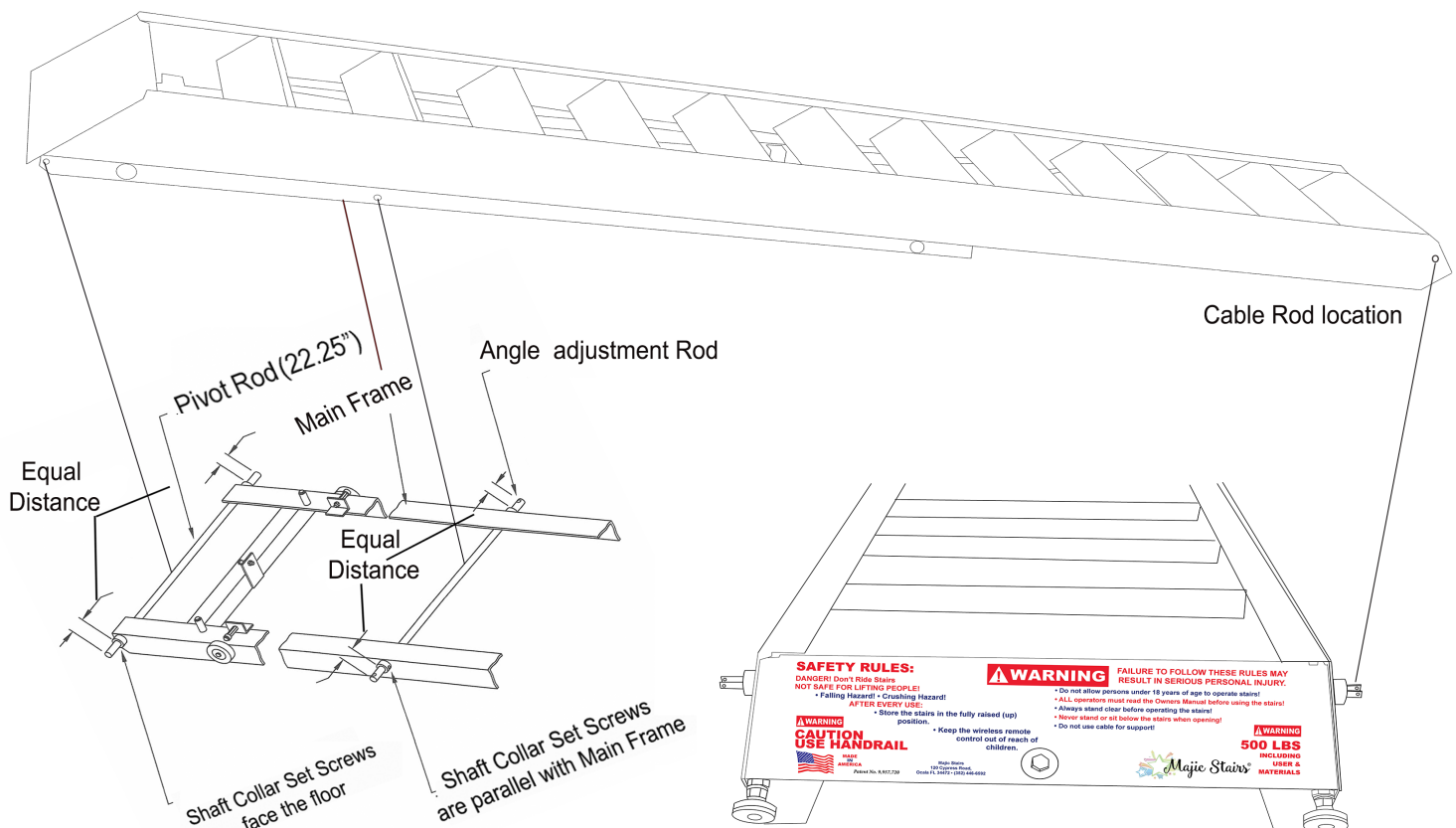


Figure 7

# MAJIC STAIRS INSTALLATION INSTRUCTIONS

## Section 7: Prepare the Stairs for Installation

Install the handrails, Most T-13 & T-14 units take an 8' handrail all the rest take a 10' OR 12' handrail. Lay out the balusters, start at the bottom baluster and mount between the 3rd and 4th tread. (See Figure 8). Hold baluster in place by installing the 4 #14 teks screws into the top of the stringer. (DO NOT OVER TIGHTEN) Square baluster to stringer and drill a 5/16th" hole through the stringer and angle iron of main frame using bottom hole of baluster as a guide. Install 1/4" X 3/4" hex bolt and 1/4" lock nut.

Measure length of handrail and lay out top baluster leaving approximately 2" of rail on each end of balusters, divide up the middle ones and bolt all balusters in place.

**\*\*IMPORTANT\*\* PLEASE NOTE-SPACING MAY NOT BE EQUAL BETWEEN BALUSTERS, AS BALUSTERS CANNOT BE INSTALLED ON TOP OF TREAD SCREWS.**

Repeat the process for the second rail.

**\*\*Some installations require a shorter railing because of roof pitch limitations, or to create more space at the bottom of your Majic Stairs. The baluster position on these units will be either lower or higher depending on where the retracted stairs will rest. If your attic area has a low pitch, you might want to install the baluster and handrails after the stairs are in place.\*\***

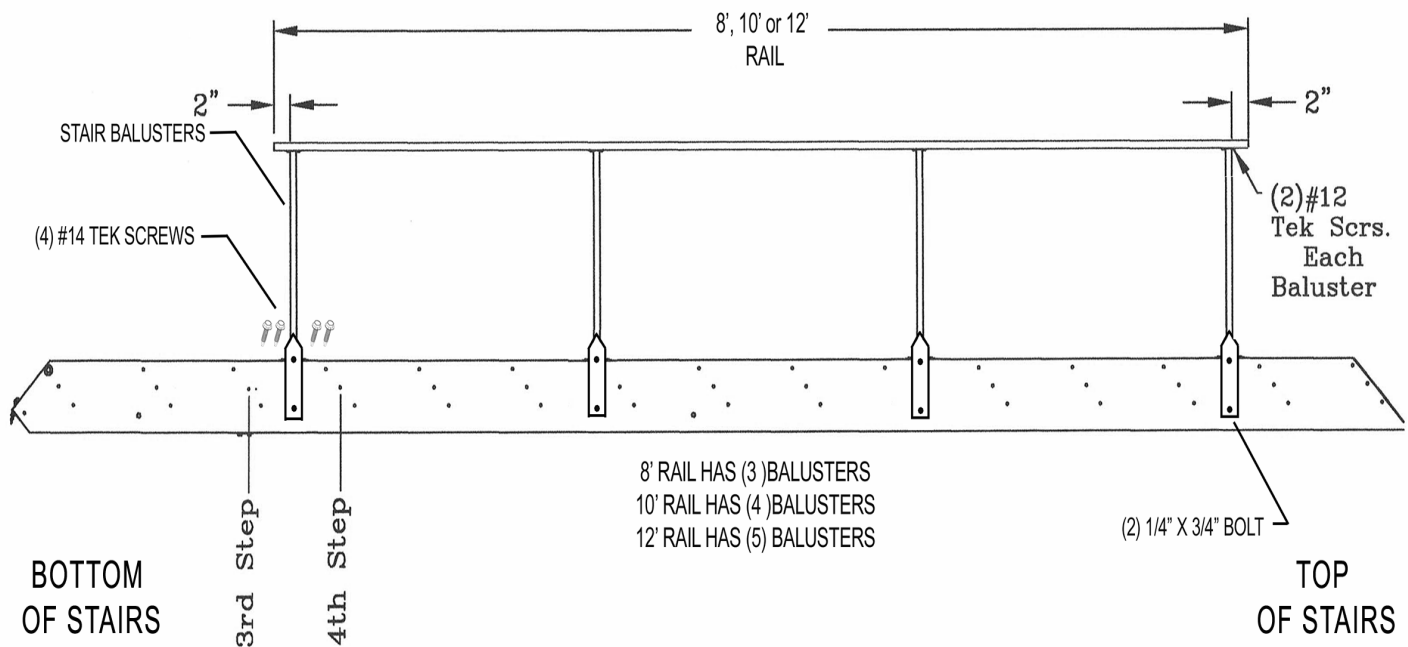


Figure 8

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

### Section 8: Lift the stairs into place with motor assembly

Slide mainframe up tight to the top step and secure it there using electrical wire or rope. (see Figure 9)

Wrap wire or rope around the 1-1/2" x 1-1/2" square tube on the main frame and the 2nd or 3rd tread from the top of the stairs. (about 3' from the top ) **\*\*this step is imperative otherwise you will not be able to insert the pivot rod into the hanging brackets\*\***

**T-13 and T-14-** If installing a T-13 or T-14 stairs, two people can lift the stairs into place. Lift the top of the stairs into the attic and lower the pivot rod into pockets on the yellow hanging brackets.

**T-15 or larger-** T-15 or larger stairs come with a lifting cable to assist with stair installation.

First confirm that the mainframe is tied to the stairs as detailed above. (Loop the lift cable around the 1-1/2" x 1-1/2" square tube on the main frame and the 3rd tread from the top.)

Pull the cable through the looped end and attach to the motor assembly roller tube starting at the end opposite the electrical cord. Insert the crimped fittings into the slot on the roller tube and slide the cable to the center of the tube.

Pair remote to motor by simultaneously pressing and holding the "Up" and "Down" arrows on the remote until the motor jogs. **(Do not operate 2nd remote until after final programming)**

(\*Pairing lasts for a limited time. It may be necessary to re-pair the motor and remote if you exceed this time. Once the remote is programmed, you will not need to do this procedure again.)

With a person in the attic and one below, use the remote to lift the top of the stairs into the attic.

**\*Do not allow any person or pet to stand under the stairs as serious injury could occur\***

The person below should hold the stair from sliding back as the unit is raised.

Press the "Up" arrow to raise the stairs and the "My" button to stop them.

Maneuver the top stairs into the attic and carefully lower the pivot rod into the pockets on the yellow brackets. \*The motor can be "jerky" and not responsive until FINAL program. If it stops, keep pressing and holding the "Up" arrow until the stairs are in place. (If motor won't respond to the "UP" arrow, you may need to press the "DOWN" arrow first) You may need to tap the rod into the pockets so that it sits in the bottom of the cups. It is a tight fit. Insert the gold 1/4" x 1 1/2" bolts into the holes in the rod pocket and tighten. Do not over tighten, the rod will not fall out.

Remove the cable, wire or rope you used to fasten the main frame to the stairs. Put a level on bottom step and level across from side to side; decide how high or low you need to adjust the feet for the best lay of the stairs.

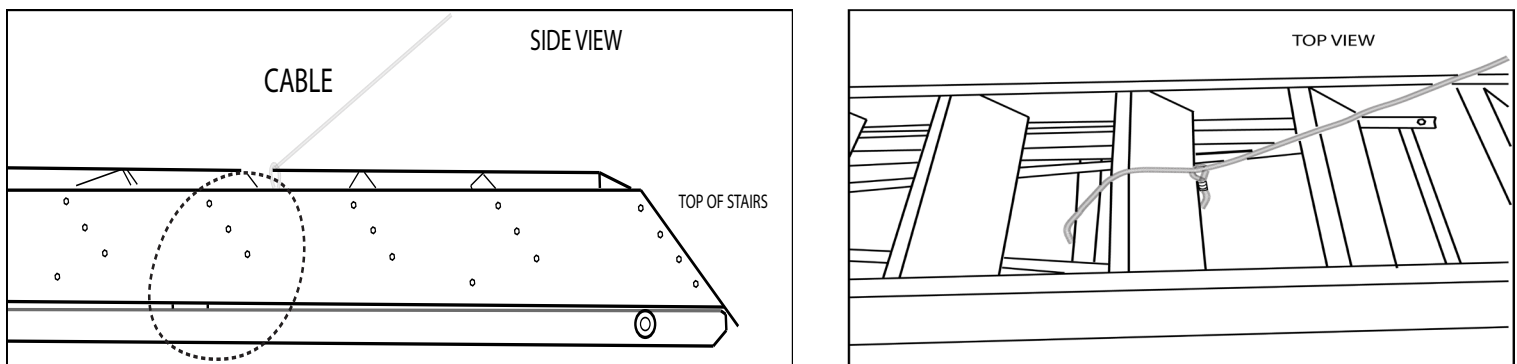


Figure 9

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

### Section 9: Installing threaded adjustment rods and drive cable

There is a 1/4" nylock nut, and a compression spring on one end of the threaded rods. On the other end there is a 1/4" regular nut and a 1/4" nylock nut. (See Figure 10). Remove both the regular nut and 1/4" nylock nut. Hold the spring in place and slip the rod through the welded square nut on the yellow hanging bracket. Thread the regular nut all the way on, then drop the rod with the nut on it through the hole in the angle rod mounted to the main frame and install the 1/4" nylock nut on the end of the rod. Repeat the rod procedures on the other side. (See figure 10)

Hold the hanging rod with a vise grip or pliers and tighten the 1/4" nylock nuts on the top of threaded rod until the rod shows through the nut. Now tighten the lower nylock nut until the spring is completely compressed. You might have to take up some of the slack in the rod by turning the top nylock nut tighter. Never have more than 3/4" of threaded rod sticking out below lower nut on rod.

DO NOT TIGHTEN THE REGULAR NUT ON THE HANGING RODS OR CUT OFF EXCESS ROD LENGTH UNTIL FINAL SETTINGS.

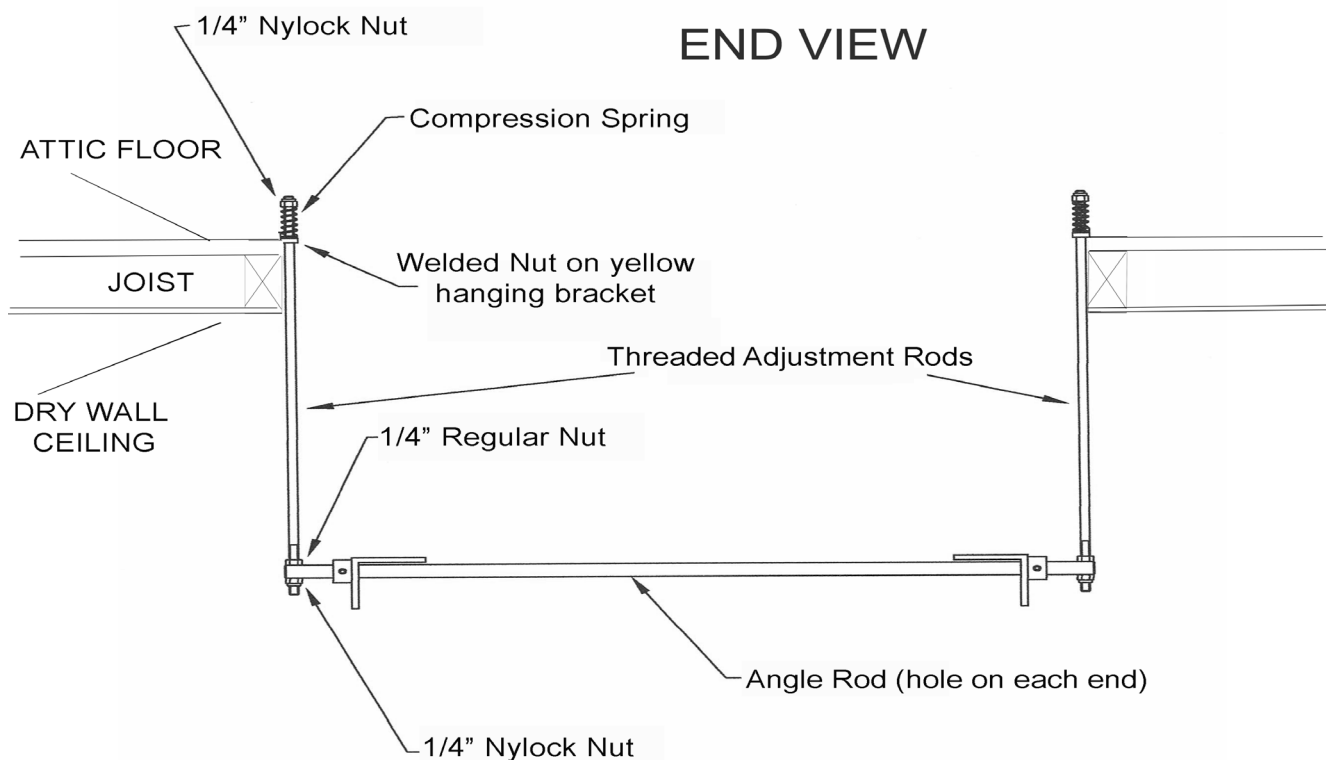


Figure 10

# MAJIC STAIRS INSTALLATION INSTRUCTIONS

## Section 10. Install cables

The drive cable has (2) crimped and (1) loose fitting on each end.

Position the motor assembly roller tube using the remote so that the open end of the slot is accessible. The open end is opposite the power cord. Install one end of the drive cable as shown (See figure 11) with the cable first. Pull the cable with crimped fittings through and toward the corded end of the roller tube. Stop about 1" from the end of the roller tube. Insert the other end of the cable with the fitting first. (The crimped fittings must be facing each other). Keep this end about 1" from the end of the roller tube. Give each cable a sharp bend so that they hang down. Find the center of the cable and hook it under the washer and bolt on the face of the bottom step, hook the cable into the notches on each end of the cable rod, slide the hitch pin in the small hole on each end of the cable rod. Have a helper stand at the bottom of the stairs and hold the cable with downward pressure and about 4' apart holding them against the ceiling joists. (see Figure 12) Have the helper stand on the bottom step and with the "UP" arrow pulse the motor until the cables are tight and have adjusted themselves to have equal tightness on both sides. **(DO NOT LIFT THE STAIRS OFF THE FLOOR WITH YOUR HELPER ON THEM)** When adjusted tighten the bolt with a 9/16" wrench.

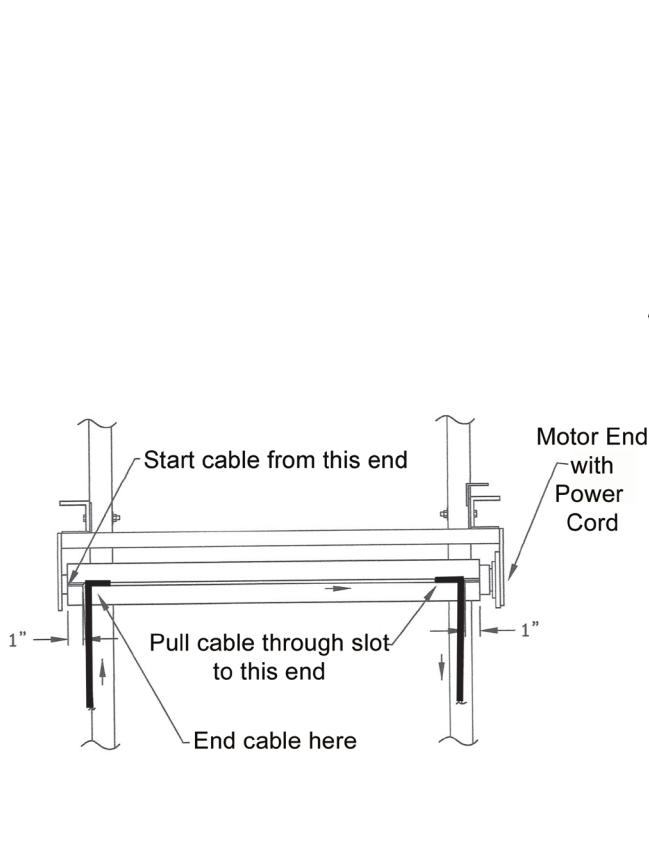


Figure 11

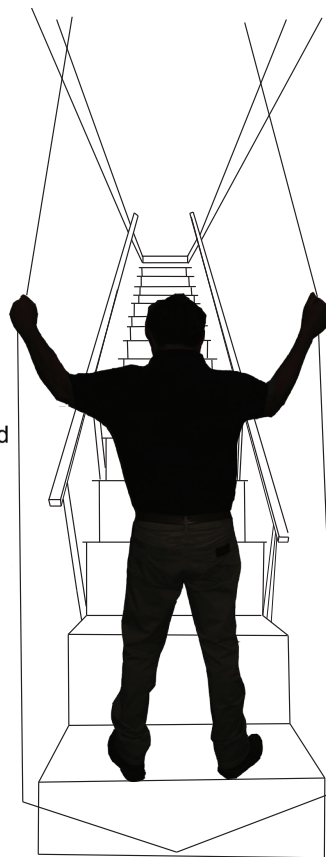


Figure 12

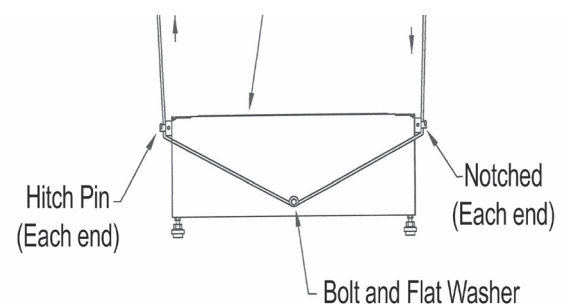


Figure 13



# MAJIC STAIRS INSTALLATION INSTRUCTIONS

## Section 11: Adjusting the stairs

IT IS IMPORTANT to try to limit the number of times you run the stairs up and down for the following procedure.

**The motor has a built in heat protection and will stop running to protect the internal circuitry.**

From in the attic , using the remote, lift the stairs, if you need to stop the stairs, use the "my" button. Watch for obstructions as the stairs "crawl" into the attic. Also watch the 1/4" threaded adjustment rods to make sure they do not hit a truss leg. (If the threaded adjustment rods move near a truss, you may need to install a piece of wood to guide the threaded rods).

Stop the stairs with the "My" button when the bottom of angle rod is just about to the ceiling.

Check the spacing on both sides of the stairs. If one side is too close to the framing, loosen the lags in the yellow hanging bracket and slide the bar away from the header until the stairs have equal spacing on each side. Tighten the lags. \*One of the lag bolts must be located in a round hole to lock the bracket in place.(after final adjustment)

Lift the stairs slowly again to make sure the bottom cable rod comes through the opening and clears on both sides.

Lift the stairs only until the feet of the bottom tread are in the framing. You may need to push the stairs forward so feet just go into the opening. DO NOT LIFT HIGHER AS DAMAGE TO THE STAIR IS POSSIBLE.

After the stairs are adjusted to fit evenly in the framed opening, lower the stairs to the floor using the "Down" arrow. Do not allow the cables to go slack.

**When adjusting the stairs, IT IS IMPORTANT to try to limit the number of times you run the stairs up and down. The motor has a built in heat protection and will stop running to protect the internal circuitry.**

**After 5 or 6 complete cycles the motor will shut off for 20-30 minutes until it cools. Make sure you or anyone else is NOT in the attic when operating stairs for multiple attempts in adjustment.**



# MAJIC STAIRS INSTALLATION INSTRUCTIONS

## Section 12: Install bottom door

Put a mark on the drywall 3/4" outside the door opening on the left or right side on the end opposite the hinge. This will be a guide for setting the door in the proper place. If you want to use the motor to lift the door in place do the following:

Attach the supplied length of chain to the header with a wood screw and washer approximately 4 inches up from the bottom of the header (see Figure 15). With a helper, lift the door with the hinged side up and hook it to the chain using the round white peg that is welded to the door frame (see Figure 14 and 15).

Swing the door up...

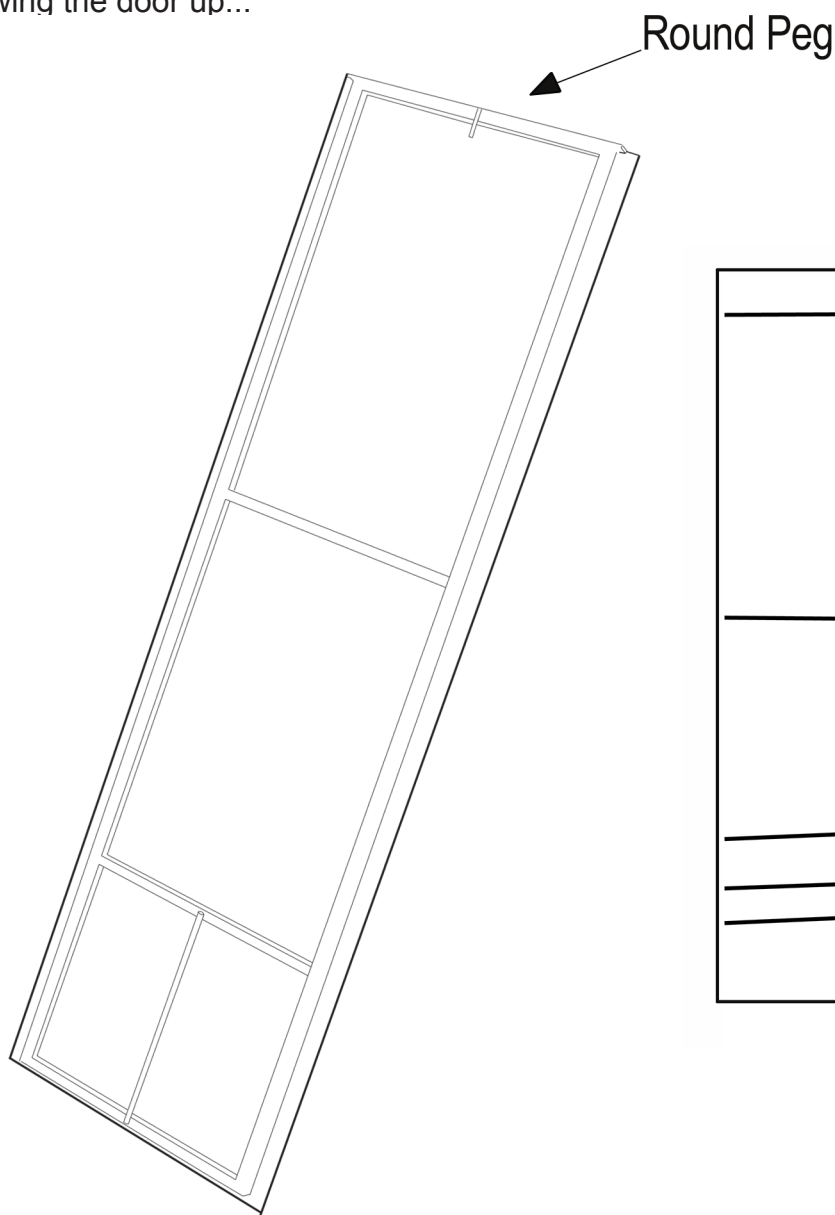


Figure 14

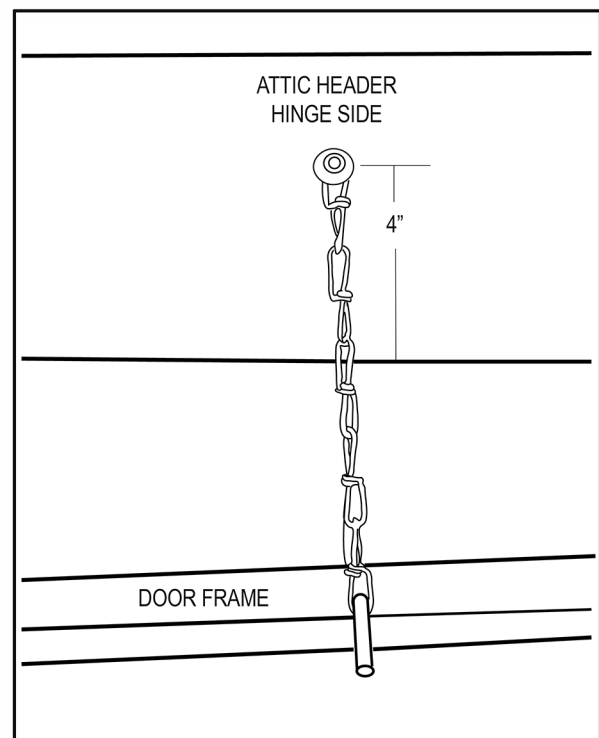


Figure 15

## MAJIC STAIRS INSTALLATION INSTRUCTIONS

Swing the door up and install the “U” bolt to attach door as per drawing. Pay close attention to the U-BOLT-ASSEMBLY(See figure 16) so that the ASSEMBLY can be inserted under the 1/2" rod attached to the door frame and RE-ASSEMBLED(See figure 16A). With the remote raise the stairs until the door is within 1" of the ceiling. Pull door so it is tight to the framing on hinge side and centered, fasten with one of the 2" white screws near the center. Pulse the motor until is tight and centered to ceiling. Install the remaining white screws in hinge. Make sure the screws find a solid backing into the header. With stairs in closed position apply trim around the entire bottom door. Maintain at least a 1/4" margin between the door and trim and leave the hinge exposed. Lower stairs to the floor using the “Down” arrow.

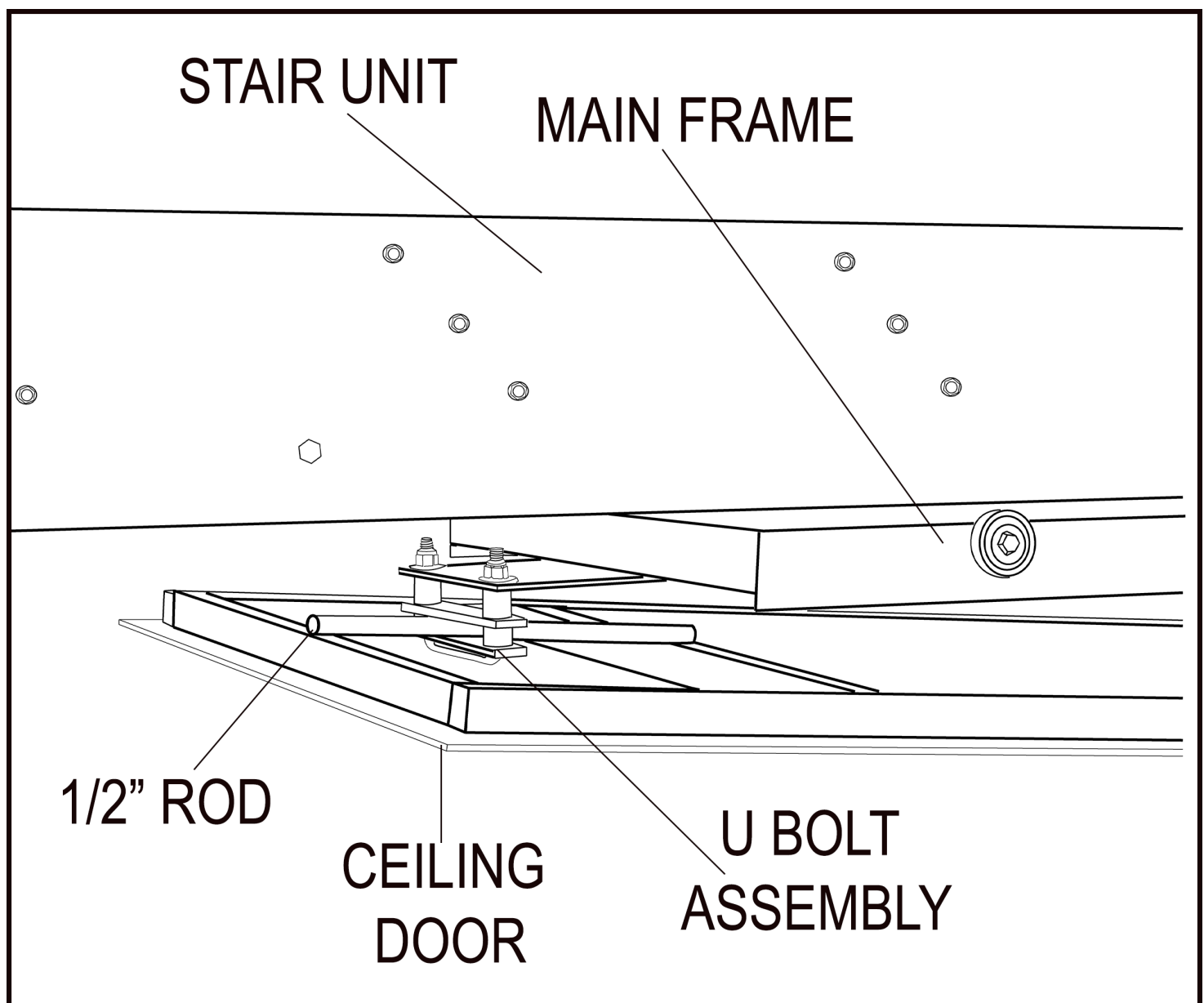


Figure 16

MAJIC STAIRS INSTALLATION INSTRUCTIONS

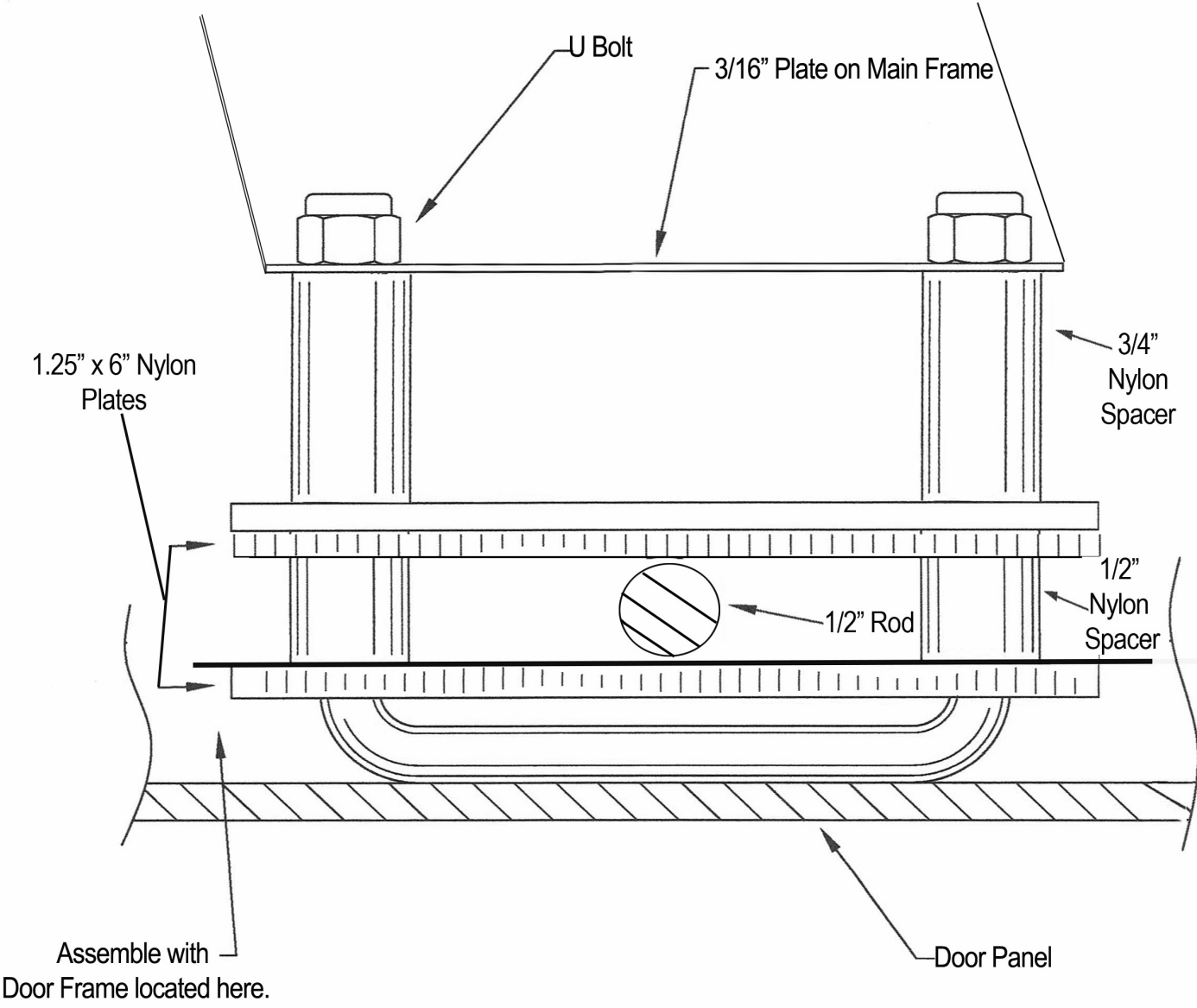


Figure 16A

# MAJIC STAIRS INSTALLATION INSTRUCTIONS

## Section 13: Setting Fine Adjustments

\*You must have the bottom door installed to complete the following fine adjustments-As you lower the stairs they should slide down the main frame until they are fully extended and simultaneously touch the floor. If the stairs land on the floor before they are fully extended, you will need to tighten the nylock nuts on the threaded adjustment rods. A good rule of thumb is to let the stairs land on the floor, grab the handrails and pull toward yourself. If the stairs slide, tighten one full turn on each nylock nut for every inch the stairs slide. You must use your vice grips to hold the threaded rods from turning. Make the adjustment, raise the stairs a foot or two and bring them down again. Keep making small adjustments until the stairs fully extend and land at the same time.

When stairs are lowered then slide on the floor...

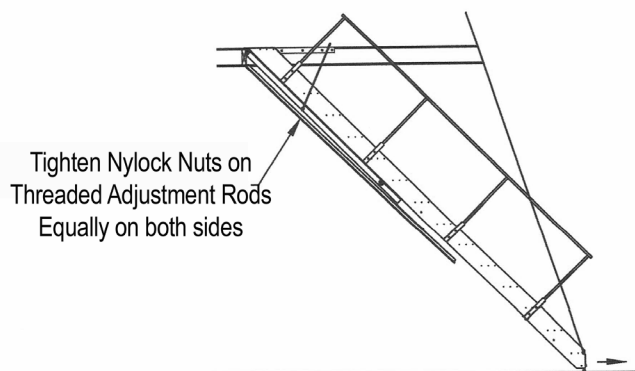


Figure 17

If the stairs fully extend then land hard, you must loosen the nuts on the hanging rods. Do this in small increments. You must use your vice grips to hold the threaded rods from turning. Keep making small adjustments to the bottom nylock nut until the stairs fully extend and land at the same time. When you adjust the threaded rods you must do both sides the same. With the stairs on the floor, check that both springs are compressed equally. (When adjusted the springs will be evenly compressed) \*When final adjustments are completed, cut-off excess threads top and bottom leaving 1/4" above and below nuts.

When stairs are lowered then drop to the floor...

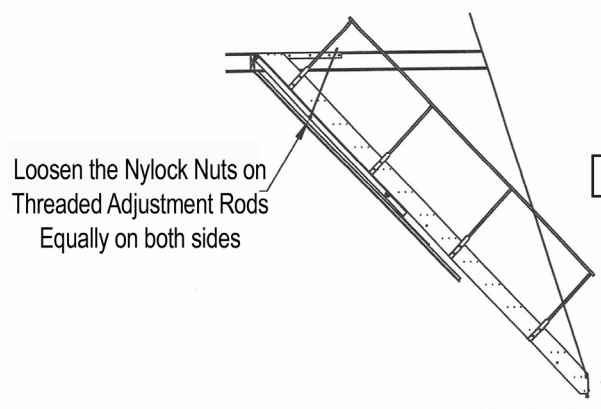


Figure 18

## Section 14: Setting the motor limits and programming the remotes

Having completed the fine adjustments in Section 13, and with stairs in the down position, press and hold the “Up” arrow and let the stair go up and stop by itself.

The door should be tight.

IF THE DOOR DOES NOT CLOSE TIGHT, THERE IS SOMETHING IN THE WAY OR THE STAIRS ARE DRAGGING ON THE ATTIC FLOOR. (Must be corrected before proceeding on to next steps, see trouble shooting at the end of this installation guide)

Next just tap the “Down” arrow and the stairs will make a slight move down,

Next tap the “Up” arrow and the door will close again.

DO NOT CLOSE THE STAIRS WITH TENSION ON THE DOOR. IT SHOULD “JUST” TOUCH THE CEILING.

Next press and hold the “Down” and “MY” button simultaneously (when the stairs are moving you can release the buttons) and let the stair go to the floor, it will stop by itself, and the cable will be a little loose.

Now tap the “Up” arrow until the cables are taut.

Next press and hold the “Up” and “MY” button simultaneously and let the stairs completely close. (Again, when the stairs are moving release the buttons).

With the stairs closed, press and **hold** the “MY” button and the stairs will jog. Turn the remote over and in the middle of the remote there is a small hole and button. With a nail or pen, hold that button until the motor jogs. The motor is now programed. Get the second remote. On the first remote press and hold the program button again until the motor jogs. Take the second remote and hold the program button until the motor jogs. Now both remotes are programmed.

The second remote must be mounted in the attic to allow egress if the stairs were to close while someone is in the attic. Mount the second remote on a vertical truss member close to the stairs, use the 1/4" HEX Head white screws to install (Do not over tighten; the remote should be loose when installed)

### FINAL CHECKLIST

Tighten the regular nuts on threaded rods to lock them in place, tighten nuts on legs and cable bolt, add the remaining 5/16 x 1 1/2" Lag bolts on each side of the hanging bars, you should have 4 bolts on each side.

Cut off any excess on the threaded rods longer than 1/4". Tighten the bolts on the motor mounting frame. Install the plastic caps on the ends of the attic rails and the stair rails.

Mount safety sign A and safety sign B as shown in Figure 4. Mark forward "crawl area with red paint.

Register your warranty at [MajicStairsInc.com](http://MajicStairsInc.com) (your serial number is on the bottom tiered step, lower left side.)

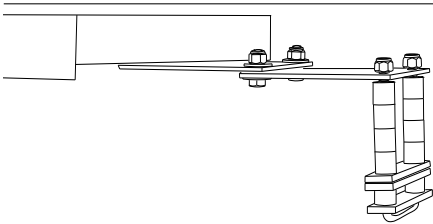
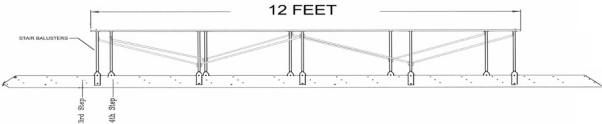
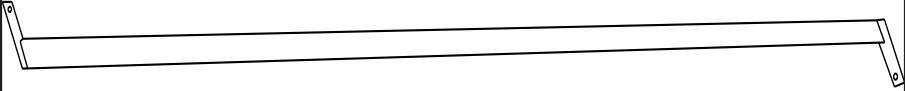
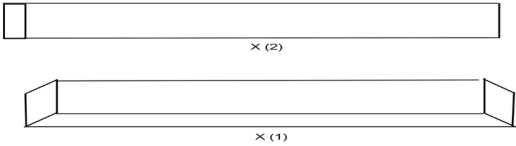
## MAJIC STAIRS INSTALLATION INSTRUCTIONS

Any questions call Ron 352-255-1390 or Steve 352-266-7200

Congratulations, you have successfully installed your Majic Stairs. There is no maintenance required, however to keep your Majic Stairs operating safely and correctly-

- Check the lifting cables for wear and tear.
- Review bolts, screws and fasteners for any loose fittings.
- Please remember to not store items in the area directly in front of the stairs in your attic.

Section 15: Appendix

Item	Additional instruction
Deep Floor Square "U" Bolt assembly	1. Includes additional bolts and plates as pictured 2. For use with deeper Truss systems greater than ____"
Deep Floor Square "U" Bolt (pictured)	
Truss rail system	
Truss rail component	
Extension Plate	



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To contact us, call us at (352) 446-6592 or send an email to [majicstairs@gmail.com](mailto:majicstairs@gmail.com).  
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