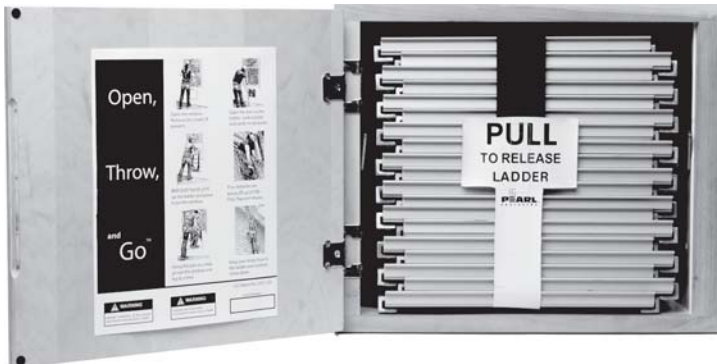




Installation, Use and Safety Instructions

Model P325

Permanent Escape and Rescue Ladder



U.S. Patent No. 5,971,105

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IMPORTANT: Before you install or use this product, read these instructions completely and carefully.

For professional installation, call 1-800-246-0150.

Keep these instructions for future reference

(In case of change of ownership, manual should be provided with the ladder.)

Warnings and Disclaimers

IMPORTANT: By installing, using and/or making this product available to any third party, you agree that you have read, understand and acknowledge the following:

Failure to read and follow these installation, use and safety instructions may result in serious injury or death, or a termination of any applicable warranties.

This product is not a toy and was designed solely for emergency situations and home evacuation drills.

You must be familiar with the proper operation of this product prior to any use.

This ladder is intended only for emergency use and for the practice of home evacuation drills. **ANY OTHER USE OR MISUSE SHALL VOID ANY APPLICABLE WARRANTIES AND RELIEVE PEARL PROTECTED FROM ANY LIABILITY THAT MAY ARISE FROM SUCH USE OR MISUSE.**

This ladder will not withstand weights of greater than 1500 lbs or temperatures greater than 400°.

Do not deploy this ladder directly into or near flames.

In the event this ladder is used in an actual fire emergency, please contact PEARL Protected as you may be eligible to receive a replacement unit. (see page 29)

In normal use this ladder may scratch, dent or blemish the exterior surface of a home.

DO NOT OPERATE OR USE THIS LADDER, OR PROMOTE THE USE OR OPERATION OF THIS LADDER, IF YOU OR ANY OTHER THIRD PARTY WITH ACCESS TO THE LADDER ARE ILL, UNDER THE INFLUENCE OF ALCOHOL, DRUGS OR MEDICATION.

In no event shall PEARL Protected, its parents, subsidiaries, officers, directors, members or managers, or its dealers, distributors, manufacturers, retailers or other authorized agents be liable to the purchaser, or any other individual that accesses or uses this ladder, including any representatives, spouses, children, heirs, agents or administrators that may act on behalf of the purchaser or any such individual, in contract, in tort (including negligence and strict liability) or otherwise for any bodily injury or death, or any damages or loss of other property, loss of profits or revenue, loss of use of property or for any direct, indirect, consequential, incidental or special damages whatsoever that may occur arising from or related to any use or misuse of this ladder or any failure to use or install this ladder in accordance with the guidelines set forth in this installation, Use and Safety Manual and any updates or other materials that may be subsequently provided by PEARL Protected.



WARNING

Improper installation or use of this product may result in serious injury or death.

THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE AND THE TOTAL CUMULATIVE LIABILITY OF PEARL PROTECTED WITH RESPECT TO THE INSTALLATION OR USE OF THIS LADDER, OR ANYTHING DONE IN CONNECTION THEREWITH, WHETHER IN CONTRACT, IN TORT (INCLUDING NEGLIGENCE OR STRICT LIABILITY) OR OTHERWISE, SHALL NOT EXCEED THE PRICE OF THE PRODUCT ON WHICH SUCH LIABILITY IS BASED. NO ACTION, REGARDLESS OF FORM, ARISING OUT OF THE INSTALLATION OR USE OF THIS LADDER MAY BE BROUGHT MORE THAN ONE (1) YEAR AFTER THE CAUSE OF ACTION HAS ACCRUED.

WITH THE EXCEPTION OF THE WARRANTY FOUND ON PAGE 30 OF THESE INSTALLATION, USE AND SAFETY INSTRUCTIONS, PEARL MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED WITH REGARD TO THE INSTALLATION AND/OR USE OF THIS LADDER, AND HEREBY EXPRESSLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY, SUITABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR USE, OR NON-INFRINGEMENT.

Parts List

(parts not to scale)

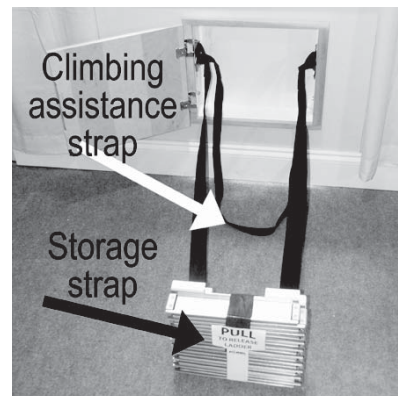


(outside view)

- Wood frame with door, attached to metal pan



(inside view)



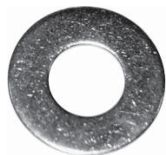
- Ladder with climbing assistance strap attached and storage (PULL) strap for securing ladder stack



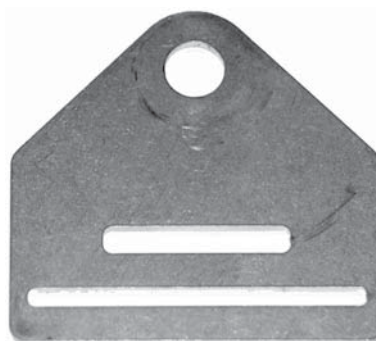
- 1" hex screws for pan installation
Quantity = 4



- 3/8" x 1-3/4" hex lag screws for installation of tri-d-rings
Quantity = 2



- flat washers for 3/8" hex lag screws
Quantity = 2



- Tri-d-rings (2" and 1" webbing attachment point)
Quantity = 2

- Insulation sheet
- Warranty card

Retrofit Installation

Thank you for choosing to be PEARL Protected™. It is our desire that you never have to use PEARL in a real emergency, but should you need to, it is very important that PEARL has been properly installed and that you have successfully practiced using PEARL.

We strongly recommend that you have PEARL professionally installed. Professional installation can be obtained by calling 1-800-246-0150. However, if you or someone you know is genuinely handy or a professional carpenter, this installation should not be complicated or time consuming. In either event, the steps of installation must be reviewed and understood by the installer prior to any installation. During self-installation, if any installation step is confusing or outside your comfort level, please have PEARL professionally installed.



WARNING

Improper installation or use of this product may result in serious injury or death.

For your safety, it is very important that all of the installation directions and safety precautions are understood and followed. If after review of these directions either you or your installer is not fully comfortable with the installation process, please contact us at 1-800-374-5737, or visit us at www.pearlprotected.com for additional information and guidance.

Thank you for being PEARL Protected™.

Tools Needed for Installation

- Safety goggles
- Stud finder
- Tape measure
- Small level (6-10 inches)
- #2 pencil
- Flashlight
- Electric drill and 3/16" drill bit
- Drywall saw
- Hammer
- 16d nails
- Staplegun or 2-sided tape (for use with insulation sheet)
- Socket wrench and sockets
- Small drop cloth (optional)
- Vacuum or broom for cleanup

If jack studs need to be installed, you'll also need:

- 2 x 4 stud - minimum of one 8 foot piece, frame grade
- Circular saw

General Installation Requirements

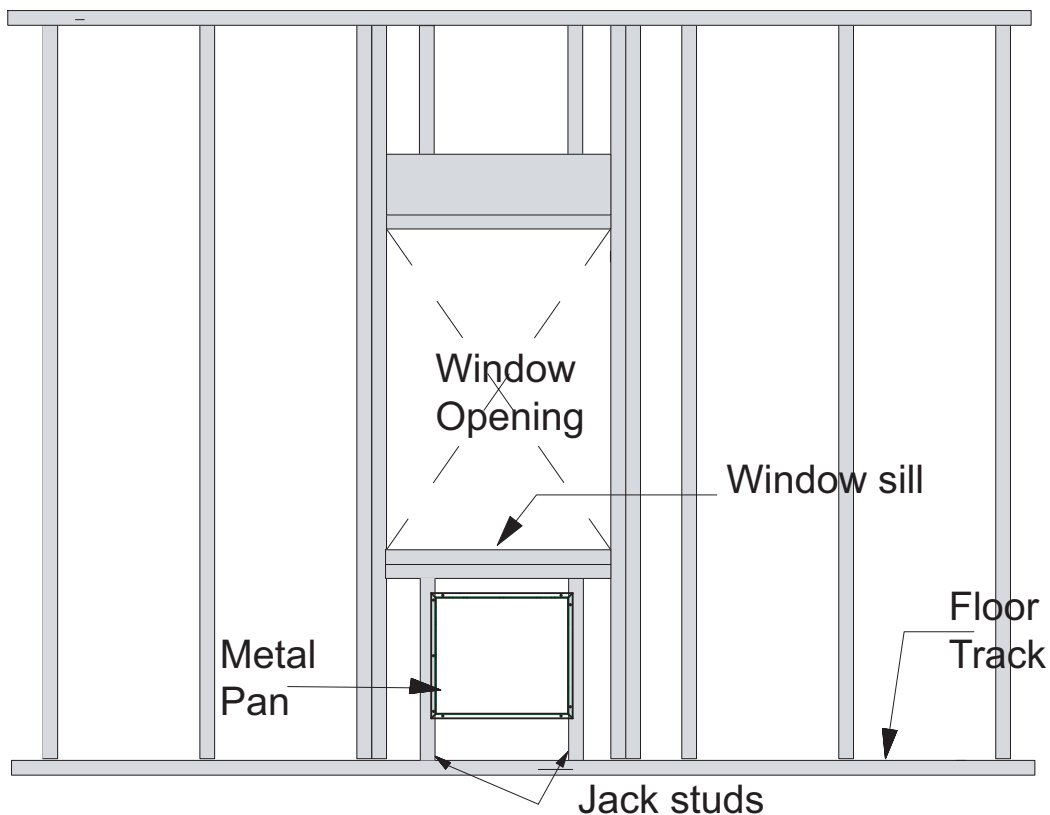
IMPORTANT: studs must be 16" center-to-center for proper installation.

Proper placement of the ladder requires installation of the metal pan beneath the window within 5 to 6 inches from the bottom of the window opening (the window sill), between the window apron and baseboard moldings (*see picture associated with Step 1 on page 6.*) This placement is important to ensure an acceptable distance to the top-most rung upon deployment of the ladder.

Referring to the diagram below, it is preferable that the metal pan be positioned centered (left to right) beneath the window opening. If the unit cannot be centered under the window opening, the ladder may be installed to either side as long as it is located at the proper 5 to 6 inch distance beneath the window opening.

A finished wall space of 14" (h) x 16 ½" (w) is necessary to install the ladder. Generally there is ample room in the wall under the window. If you do not have 14" of wall space, you may notch out part of the molding (either window apron and/or baseboard) to make room for the proper installation.

Installation time: Approximately 1 hour



1 Visually inspect the area you are considering for placement of your PEARL ladder. Ensure that this area is free of any electrical wires, receptacles or cables. If this area is free of such obstacles, proceed to the next step.

If the only choice for placement has one or more of these obstacles, a professional electrician should be used to relocate any such wires or outlets.

Call 1-800-246-0150 for professional installation.

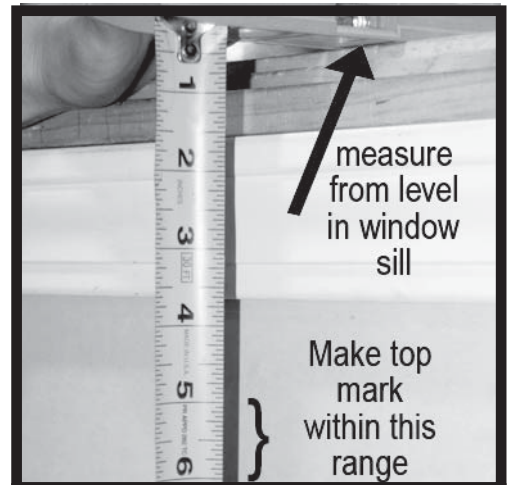
WARNING: Do not proceed with installation prior to professional relocation of obstructions.

2 Using a stud finder, locate the edges of the jack studs (see diagram on page 5) and mark the inner edge of the right and left studs. Locate the center of this space and mark it also.

3 Measure the distance between the marks you made for the inner edge of the studs. Remembering that stud finders are usually not exact, if this space does not appear to be roughly 14" to 14 1/2", you will likely need professional help to reposition the jack studs to allow the metal pan to fit between them. If you have reason to believe that your studs are not 14 1/2" apart (or "16-on-center") as is standard building code, **STOP** here and call a professional carpenter or handyman to complete your installation for you. **Call 1-800-246-0150 for professional installation.**

If this space **DOES** appear to be roughly 14" to 14 1/2",

4 Using the template (located in the center pullout section of this manual), between the stud location marks, align the center circle mark crosshair on the top dashed line with the center point you marked in Step 2. Secure with a piece of tape to temporarily hold in place.



5 Place the level on the window sill perpendicular to the window opening. Holding it level, use your tape to measure from the end of the level to a point between 5 to 6 inches below the window opening. Slide the template vertically to align the top dashed line to this measurement.



6 On the top, tape the template in place with a small piece of tape.



7 Using a level, ensure that the dashed line on the top of the template is level. Adjust as needed and re-tape on all four corners.



8 Using the point of a 16d nail, insert the tip in each circle X mark on the top and bottom dashed lines on the template to make a small puncture mark in the wall. These marks will serve as the guide for your top and bottom lines where you will later cut the sheetrock.



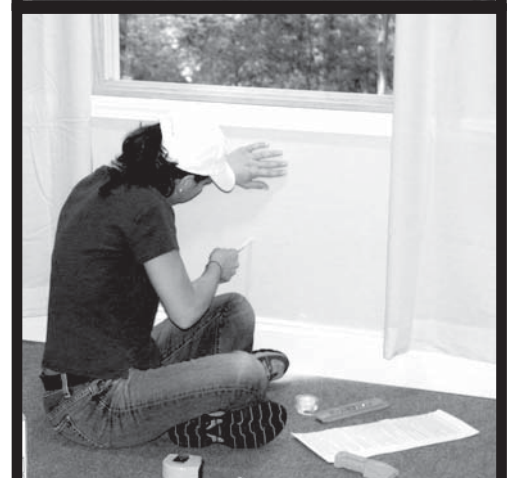
9 Using the same nail, next mark the four corners of the inner 4" box.

10 Using a level or other straightedge, connect the four corner marks of the 4" box directly onto the wall.

11 As a precaution to detect possible obstacles in the wall, before cutting a large hole in the wall, first you will cut out the small 4" X 4" hole you just marked. (Optional: place the dropcloth to catch the dust from sawing.) Using the sheetrock saw, begin at the center of the top line and slowly cut to the right and then left corners. Do the same for the other three sides.

If you hit anything other than the stud, **STOP** and call a professional to complete the installation. **Call 1-800-246-0150 for professional installation.** You can suffer harm if you cut through electrical wiring or other hidden obstacles.

12 Remove the resulting piece of sheetrock. Either remove or push the insulation in the hole toward the back of the space or to the side. (If you take the insulation out, you will put it back later.)



13 Using your flashlight, look inside the hole to make sure there are no obstacles in the wall.

CAUTION: Do not cut into any form of electrical or other wiring. Do not cut into the studs. If any electrical or other wiring is present **STOP** installation and contact a licensed electrician for further assistance. **Call 1-800-246-0150 for professional installation.**

14 If no obstacles are visible from step 13, using a level or other straightedge, connect the marks you made in step 8 to indicate the top and bottom lines you will cut next. This will form the outline you will use to cut out the remaining sheetrock to make way for the metal pan.

15 Using the level, ensure that the lines drawn are level. If not, correct before moving on to the next step.

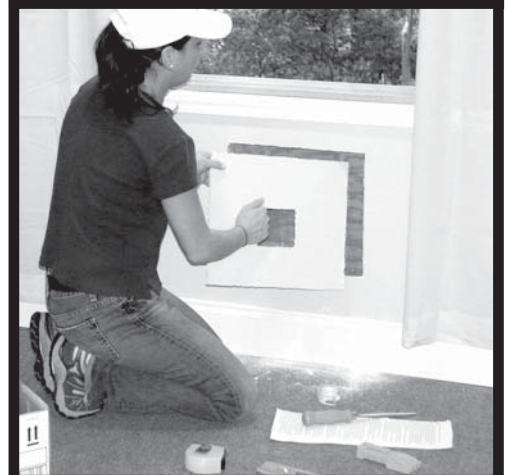
16 Using the sheetrock saw, begin in the middle of the top line. Cut to the right until you reach the stud. Stop when you feel the blade hit the jack stud. Next, on the same line, cut to the left until you reach the jack stud on that side. Repeat the same steps for the bottom line.



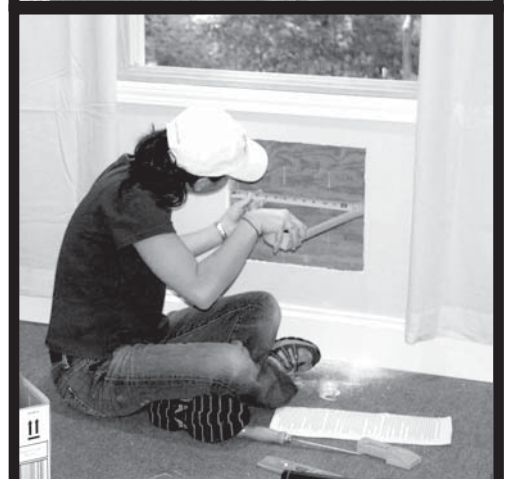
17 Once you have located the exact placement of the jack studs, using the sheetrock saw, from the left top side, saw downward toward the bottom cut using the stud as a guide against the saw blade. Do the same for the right side.



18 Remove the resulting panel of sheetrock and discard.



19 Push any insulation back against the wall inside the hole you just cut. Using the measuring tape, measure the space between the studs. The metal pan will not fit if the space between the studs is not within standard building code range (16" center-to-center). If the measurement is 14 1/4" to 14 1/2", you may proceed. If the measurement is not within this range OR if there is any form of damage to the studs (water, termite, general rot), **STOP** here and call a professional carpenter or handyman to complete your installation for you. **Call 1-800-246-0150 for professional installation.**



20 Using a hammer, test the connection of the jack studs to the sill and floor track (see diagram on page 5). Give the studs a solid hit with the hammer near the top and bottom. If no movement is detected, that's good. If there is any movement, you must secure the studs with 16 # nails or **STOP** here and call a professional carpenter or handyman to complete your installation for you. **Call 1-800-246-0150 for professional installation.** It is imperative that the studs be well secured for safe and proper installation of PEARL. If the studs appear to be securely in place, remove the ladder from the box. Set the box aside out of the way.

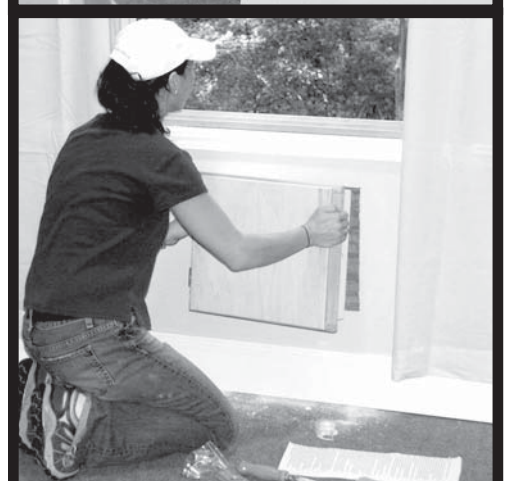
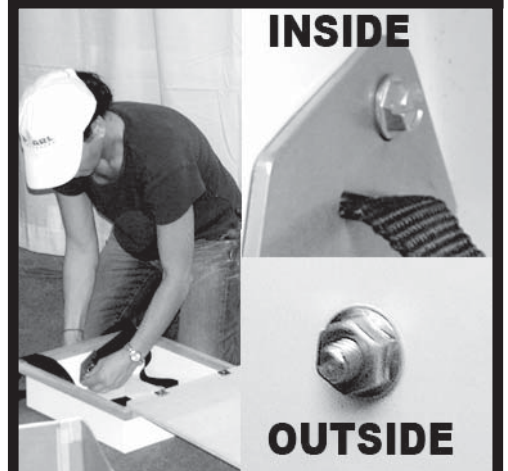


21 Remove the ladder from the metal pan and set the ladder aside.

22 The tri-d-ring is held in place for shipment by a bolt and nut on each side. Remove the bolt and nut holding the tri-d-ring in place on the side of the metal pan. This will completely free the ladder assembly from the metal pan. You will not need these two nuts and bolts for any further part of the installation.

23 Place the metal pan in the hole you have cut in the wall. Be sure the hinges on the door are on the left side (as you face the window). If you find resistance on any side, visually check to see if you need to trim the saw lines. If so, trim and try again.

24 The metal pan should fit snugly inside the hole you have prepared.



25 Using a level, ensure that the pan is level in the wall. If not, you will need to adjust your saw cuts to allow it to sit level.



26 Once you have made sure the pan is level, push the pan as far in as it will go and, using a #2 pencil, mark all 6 holes (3 on the left and 3 on the right) in the sides of the pan. Mark the holes well enough to see them clearly once you remove the pan.



27 Remove the pan from the wall and set to the side.



28 Using a hammer and 16d nail, punch the top and bottom hole marks on the left and the right side. Punch the nail in far enough to make a hole, but not so far that you cannot remove the nail with your hands. These holes will serve as guides for the 1" hex lag screws installed in Step 31.



29 Using a power drill and a 3/16" wood bit, drill a 1/2" deep pilot hole in the center hole on the stud on both sides. Be certain to keep the drill level and straight as you drill these holes. These will serve as the pilot holes for the 3/8" hex lag screw you will use to attach the tri-d-ring to the stud in step 35.

If for any reason any part of a jack stud splits, splinters or shows any sign of weakness, **STOP** and call a professional carpenter or handyman to complete the installation for you. **Call 1-800-246-0150 for professional installation.**

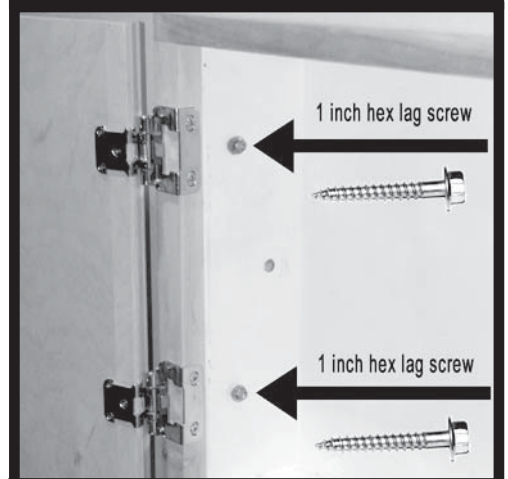
30 If you did not put down a drop cloth in step 11, or if you have wood and/or sheetrock dust on the floor, now would be a good time to vacuum it.

31 Locate the foil-covered insulation sheet which came with your unit. Place that sheet inside the wall behind the place where you will install the pan. Staple or tape in place. You may install it directly over your existing insulation, or remove the insulation immediately behind the metal pan and replace with the foil-covered insulation sheet.

Put the pan back in the wall and attach the pan to the studs using the 1" lag screws. Place one in the top and bottom holes on both sides.

32 Using the 1/4" socket and the socket wrench, insert and tighten the lag screws. Do not completely tighten them until you have all four in place.

CAUTION: Do not overtighten them and strip out the hole. This will result in having to call a professional carpenter or handyman to replace the jack stud and start over. If for any reason any part of a jack stud splits, splinters or shows any sign of weakness, **STOP** and call a professional carpenter or handyman to complete the installation for you. **Call 1-800-246-0150 for professional installation.**



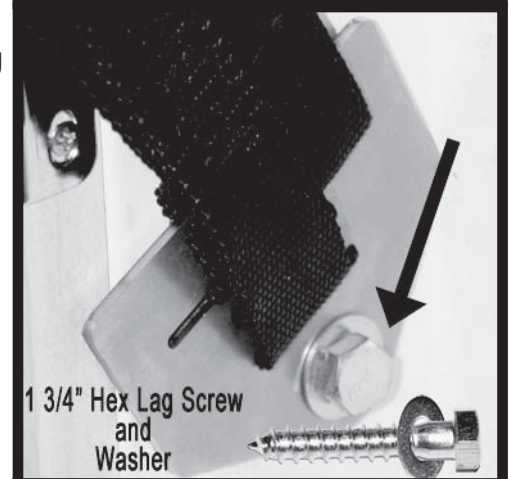
33 Now you will install the ladder into the pan area. Note the orientation of the rungs. Make sure your ladder is in this position before proceeding.



34 With your ladder in the proper position and orientation, stretch out the right webbing leader (the webbing between the rung and the tri-d-ring) and make sure it has no kinks. Ensure that the sewn "loop" sides of both the 2" and the 1" webbing are toward the inside of the pan. This will allow the tri-d-ring to fit snugly against the pan when it is installed.



35 Next attach the tri-d-ring to the studs using the 3/8" hex lag screws. Place the hex lag screw through the washer, then through the tri-d-ring and into the pilot hole you drilled in step 29. Be sure to orient the tri-d-ring as shown in this picture. The triangle-shaped tip should be pointed down and the webbing oriented toward the top of the pan.



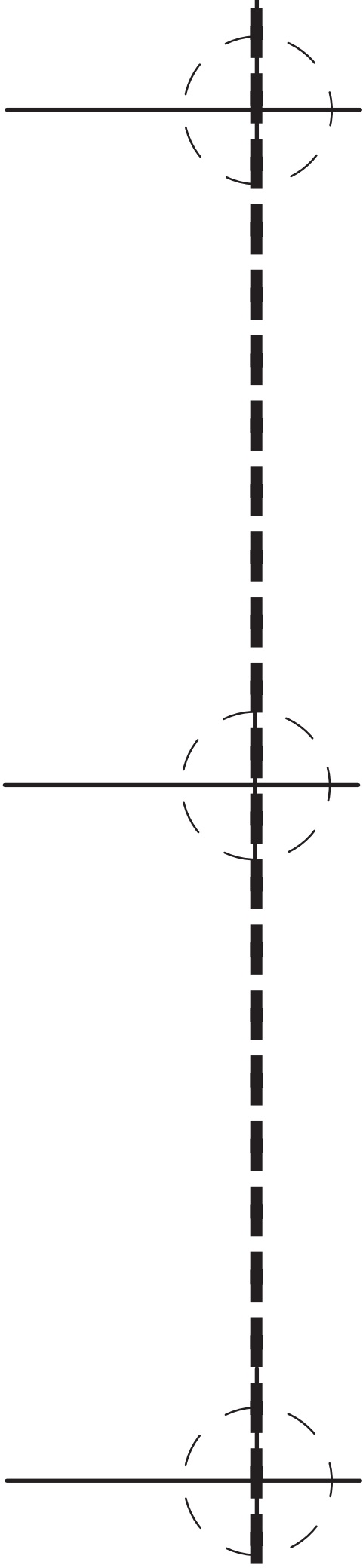
36 Using the socket wrench, tighten the hex lag screw.

CAUTION: Do not overtighten the hex lag screw and strip out the hole. This will result in having to call a professional carpenter or handyman to replace the jack stud and start over. If for any reason any part of a jack stud splits, splinters or shows any sign of weakness, **STOP** and call a professional carpenter or handyman to complete the installation for you. **Call 1-800-246-0150 for professional installation.**



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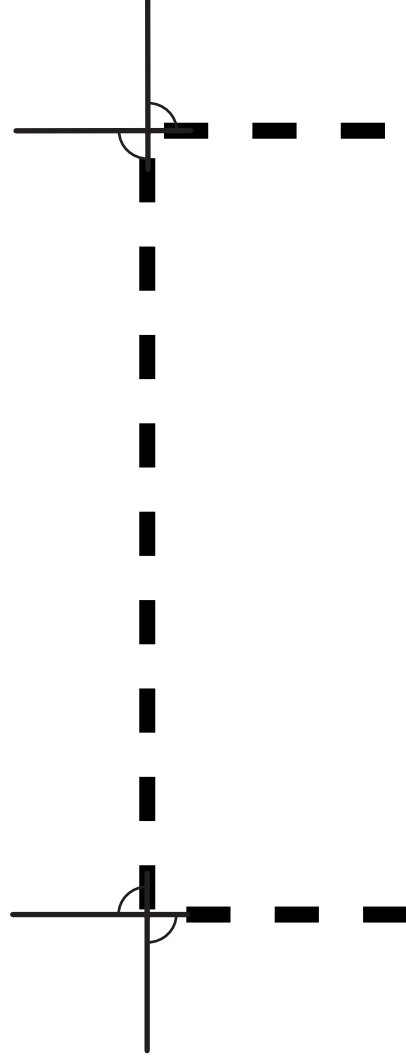
This is the back side of the pull-out template.

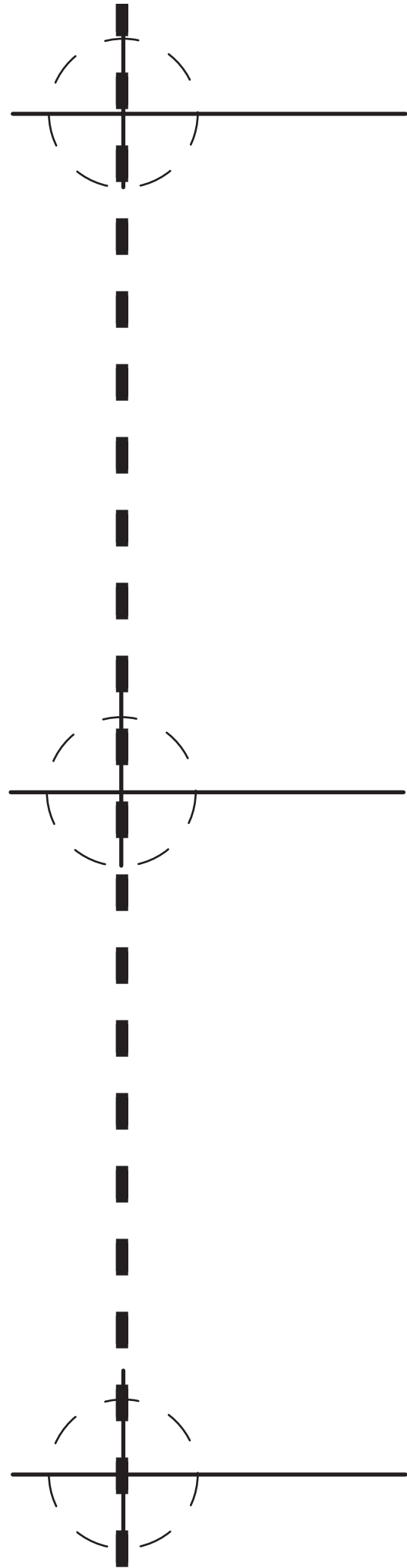
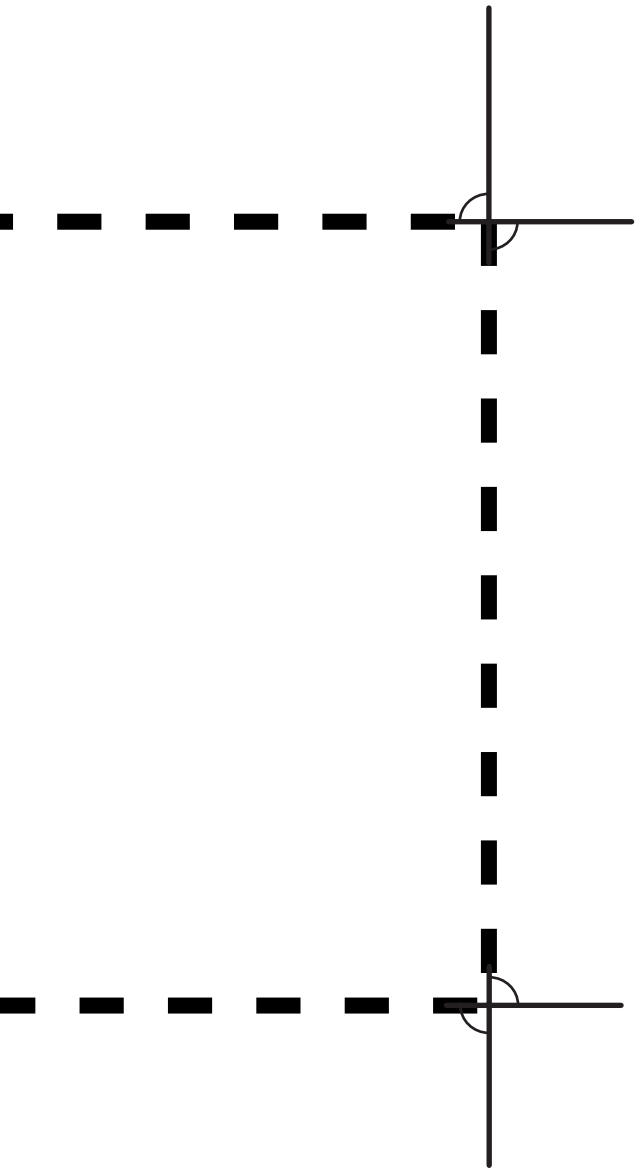


THIS END UP



 **PEARL™**
P R O T E C T E D





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This is the back side of the pull-out template.

37 Repeat the process of Step 34 for the left side of the ladder. Ensure that the webbing leader is without kinks before attaching.

38 Repeat the actions in steps 35 and 36 to connect the left side of the ladder to the stud. (Using the 3/8" socket and the socket wrench, insert the hex lag screw into the pilot hole and tighten the hex lag screw.)
CAUTION: Do not overtighten the hex lag screw and strip out the hole. This will result in having to call a professional carpenter or handyman to replace the jack stud and start over. If for any reason any part of a jack stud splits, splinters or shows any sign of weakness, **STOP** and call a professional carpenter or handyman to complete the installation for you. **Call 1-800-246-0150 for professional installation.**

39 Next pick up the rung stack and inspect. Be sure you have the rung stack oriented as shown with the rungs "upside down", stacked tight and the PULL strap is correctly oriented upwards (as shown here.)

If you find that your ladder stack looks like this picture, proceed to the next step. If not, determine the difference and fix before moving on.

CAUTION: Installation of the ladder stack in the incorrect orientation may result in injury.

40 While holding the ladder stack in one hand, with your free hand pull the webbing leaders (the 2" wide webbing) and the climbing assistance strap (the 1" wide webbing) together. The goal is to have the webbing rest in the back side of the metal pan, in the channel created on the back side of the rung stack between the standoffs.

Be sure the webbing closest to the tri-d-ring is oriented upward and along the left and right sides of the ladder stack. This will allow the unit to fit snugly and the door to close properly.



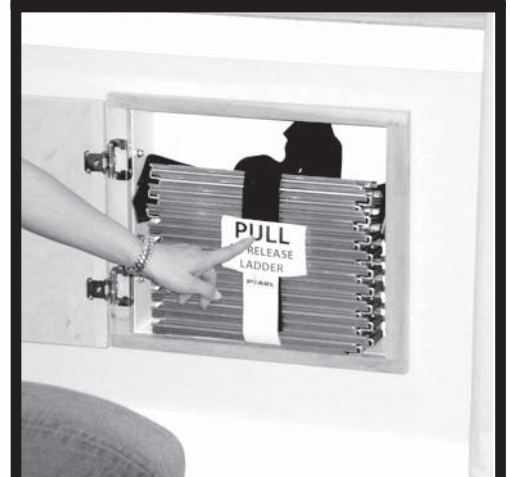
41 Holding the webbing firmly, place the base of the ladder in the bottom of the metal pan. Gently rock the ladder into place while ensuring that the webbing (both 2" and 1") slides into the channel along the back side of the rung stack.



42 Once seated in the metal pan, firmly push the ladder stack toward the back of the metal pan. You have properly inserted the ladder when the standoffs on the back side of the rung are against the metal pan.



43 Visually check to ensure that the ladder stack looks like the one shown here. You should be viewing the bottom of the rungs at the top of the stack (they go in upside down). The PULL strap must be attached facing upwards as shown.



CAUTION: Installation of the ladder stack or the PULL strap in the incorrect orientation is improper and may result in injury. If the ladder is resting correctly, it should stay still when the door is open.

44 Close the door and make sure it closes completely. If it does not, open the door and check the rung stack. Repeat Step 42 and reattempt to close the door. If the door still will not close completely and stay closed, you likely need to reposition the rung stack. Repeat Steps 40 through 43 until the door closes properly.



When the door closes easily and stays closed, you may move on to the testing phase in Step 45.

45 Prior to any use you must test the integrity of the installation. **NOTE: This is a critical step and must not be skipped.**

Please read page 25, and then refer to page 26 for Use Instructions. **Be certain to look below the window before you deploy the ladder.** You must have a clear path to the ground before you release the PULL tab. Failure to follow these steps may result in serious injury or death to others. **Following the Directions for Use beginning on page 26, deploy the ladder. Do not climb down the ladder yet.**

46 **NOTE: You will need an adult assistant for this step.**

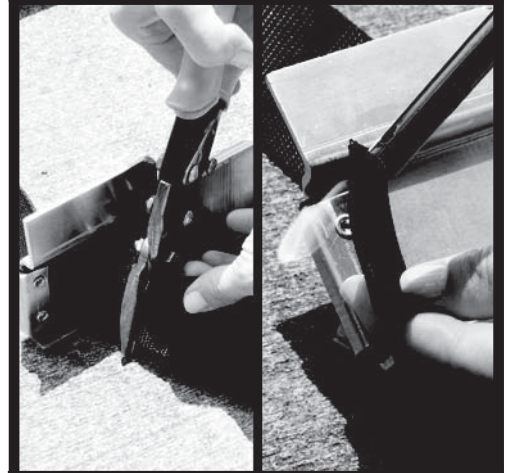
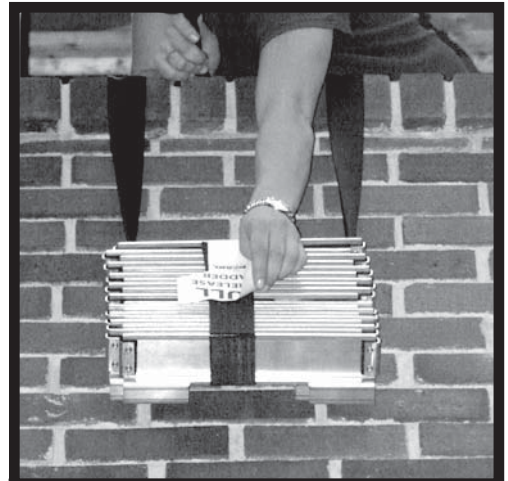
The object of this step is to test the integrity of the installation. Once deployed, go outside to the base of the ladder. Your assistant should stay upstairs by the metal pan, visually inspecting the unit for any movement or sign of stress. Starting at the bottom, climb **UP** two or three rungs. Step down quickly to the next rung below you. You are intentionally trying to stress the connection. Have your assistant examine the ladder connection at the tri-d-ring to make sure there is no movement or sign of stress.

47 **OPTIONAL STEP**

If you have extra ladder rungs touching the ground, you may want to cut your ladder for a custom fit. To do this, you will need 1) a sharp pair of heavy duty scissors or metal shears, and 2) a lighter or other controllable flame source. Determine the lowest rung before the ladder hits the ground. Underneath that rung, cut the webbing no closer than 3 inches from the attachment below the desired "end" rung. Carefully sear the ends of the webbing to ensure no fraying will occur.

48 If for any reason you believe the installation to be unsuccessful, retrace your steps. If you cannot determine the issue or feel uncertain, **STOP** and call a professional carpenter or handyman and allow them to verify or correct the installation prior to use. **Call 1-800-246-0150 for professional installation.**

If the ladder feels secure, and no stress can be detected while you are on the ladder, you have successfully installed PEARL. Remember, you may paint, stain or wallpaper your door and frame.



Next, go to page 25 , re-read and follow the USE and REPACKING instructions.

New Construction Installation

Thank you for making the choice to offer PEARL Protected™ homes. Just like building a house to code, it is very important that PEARL is properly installed. It is equally important that the new homeowner is educated as to the proper use of PEARL, so please be sure to not only show them how to use PEARL, but provide them with these Installation, Use and Safety Instructions, and encourage them to practice using PEARL as directed herein.



WARNING

**Improper installation or use
of this product may result in
serious injury or death.**

Prior to installation you must review the step-by-step installation instructions provided in this manual. It is mandatory that you follow all of the directions and safety precautions to assure that PEARL is properly installed.

Thank you for choosing PEARL Protected™.

Tools Needed for Installation (Post Drywall)

- Safety goggles
- Stud finder
- Tape measure
- Small level (6-10 inches)
- #2 Pencil
- Flashlight
- Electric drill and 3/16" drill bit
- Sheetrock saw
- Hammer
- 16d nails
- Staplegun or 2-sided tape (for placement of insulation sheet)
- Socket wrench and sockets
- Small drop cloth (optional)
- Vacuum or broom for cleanup

If jack studs need to be installed, you'll also need:

- 2 x 4 stud - minimum of one 8 foot piece, frame grade
- Circular saw

New Construction

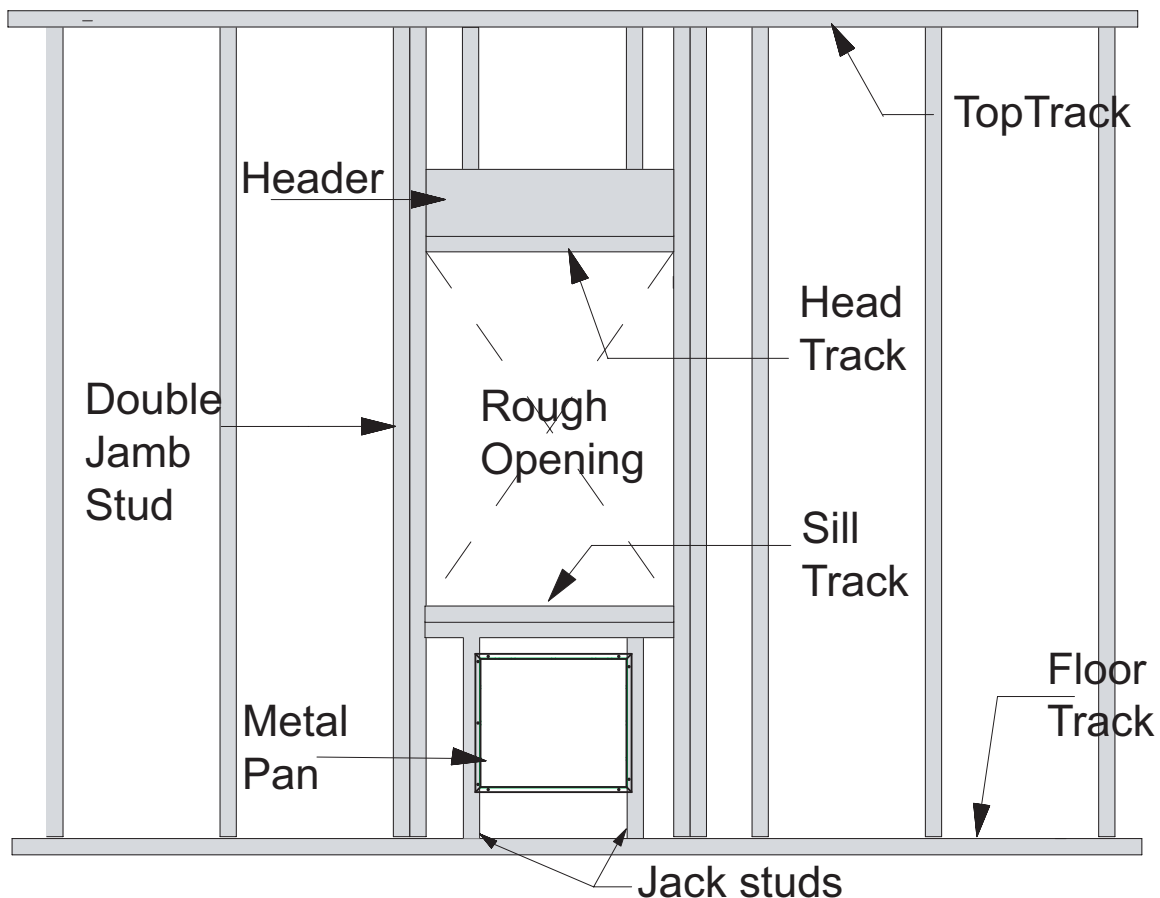
General Installation Requirements

NOTE: studs must be 16" center-to-center for proper installation.

Proper placement of the ladder requires installation of the metal pan beneath the window within 5 to 6 inches from the bottom of the window opening, between the window apron and baseboard moldings (see picture associated with step 1 on page 6.) This placement is important to ensure the correct distance to the top-most rung upon deployment of the ladder.

Referring to the diagram below, it is preferable that the unit be positioned centered (left to right) beneath the window opening. If the metal pan cannot be centered this way under the window opening, the pan may be installed off-center as long as it is located at the proper distance beneath the window opening.

A required finished wall space of 14" (h) x 16 1/2" (w) is necessary to install the ladder. Generally there is ample room in the wall under the window. If you do not have 14" of wall space, you may notch out part of the molding (either window apron and/or baseboard) to make room for the installation.



Installation Steps – Rough Framing

It is strongly recommended that the PEARL Ladder be installed centered horizontally, beneath second or third story windows, 5 to 6 inches below the bottom opening of the window, between the window apron and baseboard moldings. A required finished space of 14" (h) x 16 ½" (w) is necessary to install the ladder.

Install jack studs, anchoring 14 ¼" apart securely, and centering pan space beneath windowsill. Ensure studs are adequately secured to both the sill and the floor plate.

Installation Steps – Post Drywall

Assuming the above rough installation of the jack studs was completed, all references hereafter in the general installation instructions to the repositioning of jack studs should not be relevant. Other than that difference, please follow the general retrofit installation instructions beginning on page 6 of this Manual.

Use Instructions

General Information and Warnings Regarding Use of Your PEARL™ ladder

- This ladder is rated for a maximum of 1500 lbs, and a maximum of 400 lbs per rung.
- The required window opening for safe use is a minimum of 5 square feet for existing homes, and 5.7 square feet for new construction.
- Close doors before opening any window to prevent fire from being drawn into the room. Failure to do so may result in failure of the ladder, serious injury or death.
- After deployed do not lean away from the ladder. Keep your body close to the ladder at all times.
You may grasp the rungs or the webbing as you descend the ladder.
- Unless absolutely necessary, do not carry a child when using this ladder.
- Do not carry pets or miscellaneous objects when using this ladder.
- Instruct family members to use the PEARL ladder only when the primary escape path (the main exit) is blocked or unsafe to use.
- This permanent ladder is not a toy or recreational device. Instruct children and all other potential users that the ladder is to be used only in an emergency.
- Not recommended for use with storm windows or other windows that do not open to the recommended minimum dimensions of 5 square feet for existing homes, and 5.7 square feet for new construction.
- Make sure the ladder is the correct length. Do not use with windows more than 3 stories in height.
- Do not attempt to deploy this ladder from windows that are obstructed by furniture, radiators, air conditioning units, or security devices such as grilles or bars (without inside release mechanisms).
- Before deploying the ladder, check for outside obstructions such as electrical wires, telephone wires or fences, or for people or animals below.
- After installation of this ladder, plan and practice drills to ensure that occupants are familiar enough for proper use, especially in an emergency situation. This ladder is intended to supplement (not replace) the more important fire protection principles of fire drills, emergency evacuation plans, smoke detectors, and fire extinguishers. The purpose of this permanent escape and rescue ladder is to close the loop on safety -- to give you a reliable option when you need it.
- This ladder should be periodically inspected for damage, loosening of any assembled items, or significant deterioration of the materials of construction.
- This ladder is intended for use by one person at a time, however given the strength rating, in extreme situations it can handle up to three people at once as long as they weigh less than 400 lbs each.



WARNING

Improper installation or use of this product may result in serious injury or death.

Directions for Use

Close all doors to the room in which you are located.
Open the window.
Open any inside-release security bars.
Remove the screen if present.

Look out the window and ensure that you have a clear path to the ground. This path should be free of hazards such as electrical wires and telephone wires.
Ensure that there are no people or animals located below the window. If so, instruct them to MOVE.
Ensure that there are no flames in the desired pathway. If so, DO NOT deploy the ladder into flames.

When you are certain you have a clear path, continue on with the next step below.



Open the door of the ladder. With both hands, pull the ladder out, being careful not to release the PULL strap. Pull the ladder straight out of the box and back toward your body.



Using both hands, place the ladder out the window. Be careful not to twist or tangle the webbing. Using the side webbing as a grip, lower the ladder until the full weight of the ladder rests on the webbing over the window sill and the ladder is hanging freely. Place the climbing assistance strap out the window.



Look again to ensure that the area below you is clear of all obstacles and people. If so, pull up on the PULL flap and let go. The ladder should unfold without further assistance from you. Once the ladder has opened fully, grasp the climbing assistance strap and, one leg at a time, go out the window. You may use the ladder pan as a step if needed. Hold firmly to the climbing assistance strap until you have both feet on the rungs of the ladder.



Holding onto the rungs or the side webbing, slowly descend the ladder. At all times keep your body close to the ladder. Do not lean out away from the ladder or the wall. In the event you must pass over a window on the way down, be careful to not sway or swing on the ladder as you may break the glass in the window.

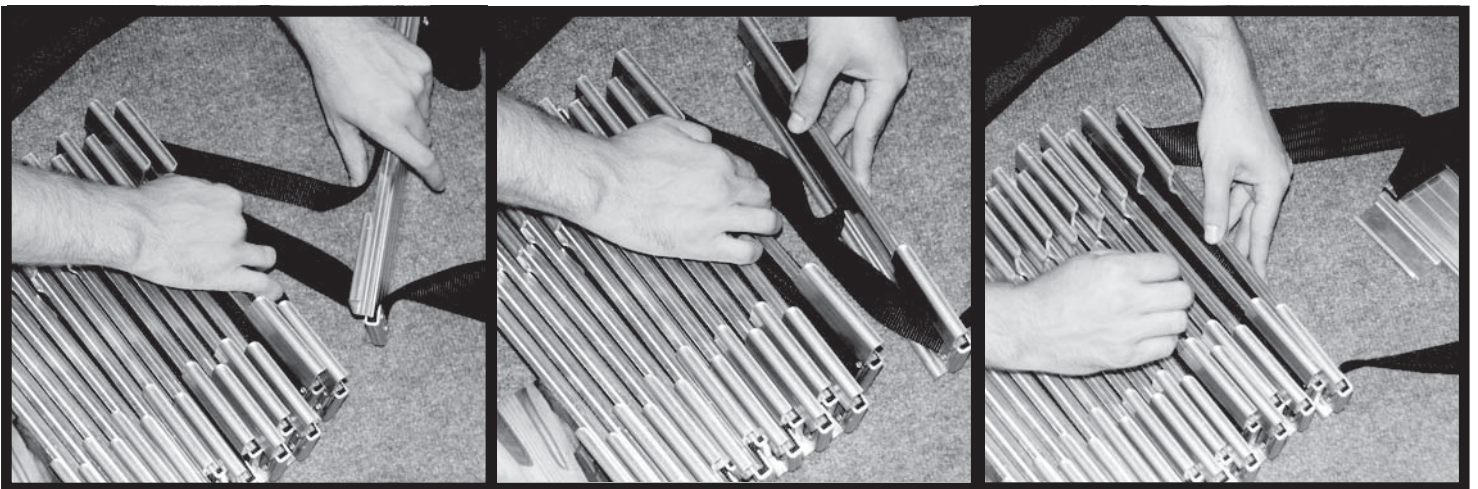
Repacking Instructions

Repacking is critical to the successful deployment of the ladder and is relatively easy once you understand the process.

Once all the rungs are restacked, it is very important that you reattach the PULL strap in the correct orientation. See step 43, page 20 for a picture of the correct orientation.



To restack the ladder, pull all rungs back inside the window. Pile them up as shown in the first picture above. Starting with the end rung, pull the webbing tight between the rungs. Because the webbing has been folded, it wants to return to that position. Locate the crease and place your thumb in the left crease and your forefinger in the right side crease.



Pull the rung toward the other in the restacked pile. The rungs stagger as they stack (see above pictures.) If you do not stagger the stack, it will not fit back in the pan. The webbing will fold neatly inside the cavity of the bottom of each rung. To ensure the tightest stack possible, make sure it folds within the cavity and does not stick out the sides. Once you have all the rungs restacked, reapply the PULL strap (front and back sections) and visually confirm the correct orientation and position of the PULL strap. Make sure the strap is as tight as possible to prevent slipping of the rungs.

Refer to steps 39 - 44 (pages 19 - 20) and repack the ladder in the pan.

Warranty

Limited 15 Year Warranty Information

(APPLIES TO SALES IN THE UNITED STATES AND CANADA ONLY)

Subject to the important Disclaimers and Limitations found on pages 2 and 29 of this Manual, Pearl Protected™ warrants to the original consumer purchaser that the PEARL™ ladder will be free from defects in material and workmanship under normal use and service for a period of 15 years from the date of purchase. Should the PEARL ladder fail due to defects in material or workmanship, PEARL Protected will replace the defective part or the entire unit at its discretion.

This warranty does not cover normal maintenance, which is the owner's sole responsibility. At least one time per year, the ladder must be deployed and tested as found in steps 45 and 46 outlined in this Manual. At the same time, the parts must be examined for any signs of wear or fraying. As a condition to warranty coverage, an entry is required to the log found on page 30 of this Manual to indicate the date of the annual physical examination and test, the person(s) performing the examination and test, the resulting observations and final determination of the readiness of the ladder. Failure to adequately perform normal maintenance may void the above warranty.

Any improper installation or use of the ladder may void the above warranty. This warranty does not cover damage to the PEARL escape ladder caused by abuse, misuse, neglect, accident, improper installation, modification or damage during shipping.

Registration must be mailed within 30 days of receipt of the unit for warranty coverage. Please complete and mail the enclosed warranty form.

In the unlikely event you need to make a warranty claim, you will find procedures at www.pearlprotected.com to make the claim. If you prefer, you may contact PEARL Protected™ by calling 1-800-374-5737. Be prepared with the serial number and a description of the defect and your name, address, area code and telephone number. We will promptly handle your request, subject to our right to examine the original unit or to investigate the claim.

Coverage beyond basic warranty:

In the event you experience a home fire or other emergency, and your ladder was used during that emergency, please carefully examine your ladder and full assembly. If there is any form of damage to your unit, please contact us with your serial number, a description of the emergency, a copy of the police and/or fire report and your name, address, area code and telephone number. Subject to our right to examine the original unit or to investigate the claim, we will promptly ship you a new unit for installation.

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