



Residential Garage Door Installation & Owners Manual

Thank you for your purchase of a Haas Door Sectional door system. This system is designed to provide years of trouble free service with very little maintenance required. Please keep this Installation and Owners Manual for future reference and maintenance.

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SAFETY SYMBOLS: The following safety symbols alert you to important SAFETY precautions to prevent injury.



Professional installers ONLY!



Review all instructions prior to start of install!



Wear safety gear!



Not included - Do it yourself (D.I.Y.) item.



Wind load doors have additional installation requirements. Read the supplemental requirements provided with wind load garage doors.



Garage doors with windows have additional installation requirements. Read the supplemental requirements.



Building Code and DASMA Compliant. Make sure to follow all local building codes and DASMA guidelines for the best performance.



Frosted Glass Care



WARNING! INJURY OR DAMAGE MAY OCCUR!



STOP! Follow carefully, or unsatisfactory results may occur.



HANDLE CORRECTLY!

Always carry the panels vertically. The panels can crease if carried horizontally/flat.



DO NOT attach the track/components through Drywall.



CRUSH HAZARD!

The door is heavy. If the track is not installed correctly, the door can fall out of the track and crush what is below.



Parallel

Elements should be parallel to each other.



Perpendicular

Elements should be perpendicular to each other.

INSTALLER: After installation is complete, fill out, attach labels, and place this manual near the garage door.

Date of Install: _____ Order # _____ (Located on the door edge.)

Installed By: _____ Phone: _____

SAFETY WARNINGS:

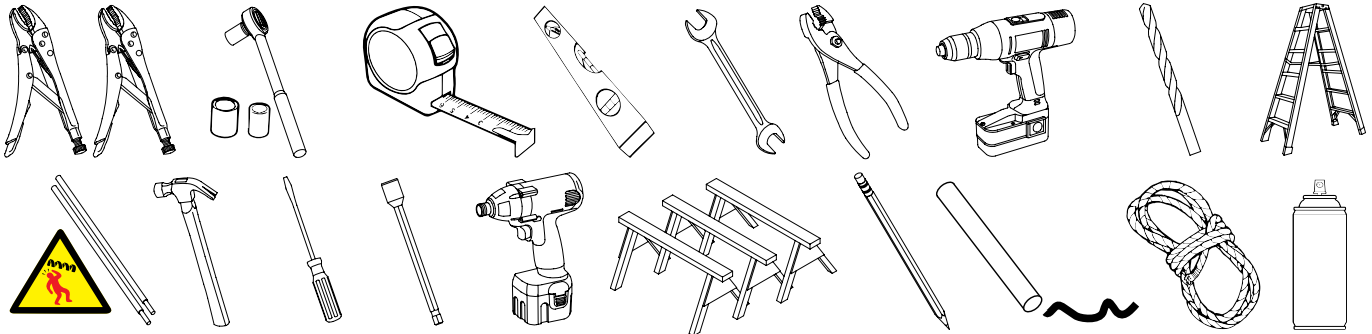


READ ALL SAFETY WARNINGS

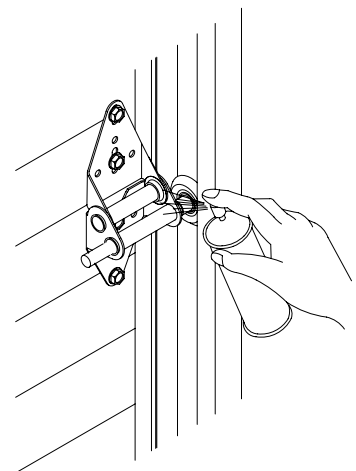
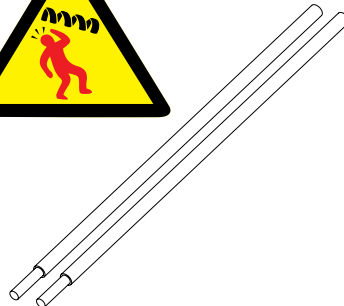
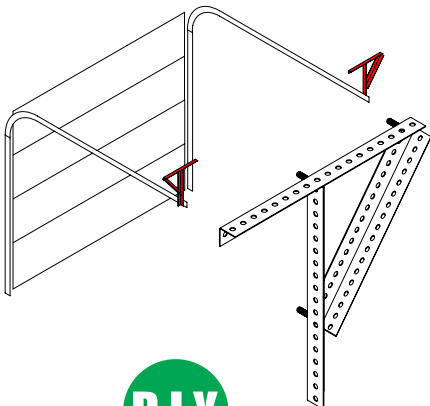


- **WARNING!** The garage door can weigh up to **600 lbs.** Use assistance to lift it. Ensure you have all the correct tools before you start the installation and follow all installation instructions carefully.
- **Keep hands and fingers clear of all section joints, tracks, and other door parts** when the door is opening and closing to avoid injury. The pull rope and/or the (no-cost optional) lift handle should be used when opening or closing a manual lift door.
- **Do not permit children to play beneath or around any garage door, door ropes, or electric operating controls.**
- Garage doors use springs to counterbalance the weight of the door. **DO NOT attempt to remove an old door.** Removal should only be performed by a qualified sectional overhead garage door technician. Extension springs and torsion springs are under extreme pressure. Attempting to remove a torsion spring assembly without proper training or tools may result in an uncontrolled release of spring forces, which can cause serious or fatal injury.
- **Always use solid steel winding bars to wind torsion spring assemblies.** Using a substitute (like a screw driver) for winding bars will risk severe injury and liability.
- The BOTTOM CORNER BRACKETS, EXTENSION SPRINGS, CABLES, AND TORSION SPRINGS are under extreme tension. **DO NOT attempt to loosen fasteners on these components.** Components that are loosened while still under tension will separate violently from the door assembly and/or release the spring with dangerous force.
- **Never operate extension spring doors without properly installed containment cables.**
- **Horizontal track installations must use sway braces on the rear of the track to prevent sideways movement.** If the track rails are not properly anchored, they may spread and allow the door to fall out, causing severe injury and damage.

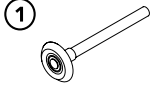
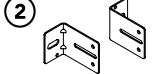
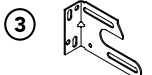
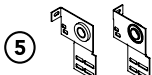
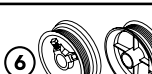
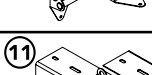
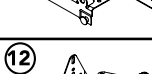
Tools Needed:



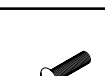
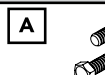
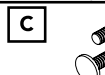
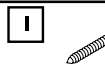
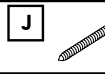
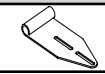
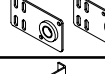
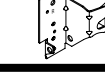
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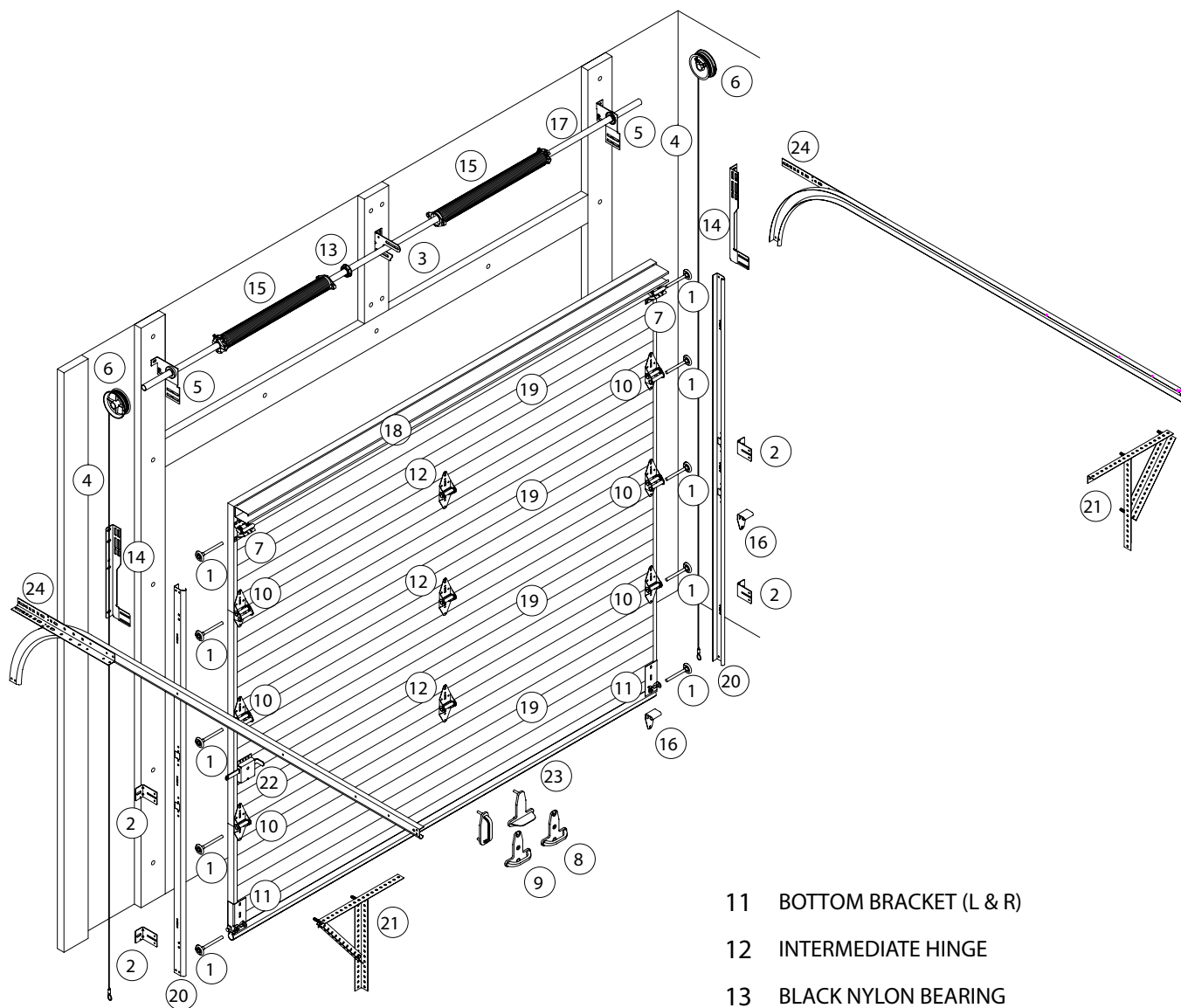
Hardware: * Torsion Spring Door System Only

Minimum Hardware Required Up to 8' Tall		3 Section Garage Door	4 Section Garage Door	5 Section Garage Door
	Roller	8	10	12
	Jamb Brackets (Dependent on height)	4 or 6	4 or 6	4 or 6
	Spring Anchor*	1	1	1
	Torsion Cables*	One Pair	One Pair	One Pair
	End Bearing Plate*	1 Left & 1 Right	1 Left & 1 Right	1 Left & 1 Right
	Cable Drums*	1 Left & 1 Right	1 Left & 1 Right	1 Left & 1 Right
	Top Bracket	2	2	2
	Step Plate and Inside Lift Handle (Optional)	1	1	1
	Outside Lift Handle and Inside Lift Handle (Optional)	1	1	1
	End Hinge/Roller Carrier	4	6	8
	Bottom Bracket	1 Left & 1 Right	1 Left & 1 Right	1 Left & 1 Right
	Intermediate Hinge	Min 2	Min 3	Min 4
	Black Nylon Bearing*	1	1	1
	Flag Bracket	1 Left & 1 Right	1 Left & 1 Right	1 Left & 1 Right
	Torsion Spring*	Min 1	Min 1	Min 1
	Lift Handle/Step Plate Spacers	1	1	1
	Tube Shaft*	1	1	1
	2" E-Strut	0-3	0-3	0-3

Additional Hardware:

Extension Spring Door		Min. Required
	Flat Washer	2
	Cable Sheave	4
	Sheave Strap	2
	S Hook	2
	3 Hole Clip	2
	5/16" Eyebolt and 5/16" Serrated Washer Hex Nut	2
	3/8" x 1 1/2" Round Slot Head Screw & 3/8" Serrated Washer Hex Nut	2
Fasteners		
	3/8" x 1 1/2" Hex Head Bolt and 3/8" Serrated Washer Hex Nut	
	5/16" x 3/4" Carriage Bolt and 5/16" Serrated Washer Hex Nut	
	1/4" x 5/8" Carriage Bolt and 1/4" Serrated Washer Hex Nut	
	1/4" x 5/8" Track Bolt and 1/4" Serrated Washer Hex Nut	
	5/16" x 1 5/8" Lag Bolt	
	1/4" x 3/4" Self tapping Hex Head Screw	
	Pull Rope Tie Down Eyelet	
	#6 - 1/2 Hex Head Tek Screw	
	#8 x 1-1/4" Phillips Pan Head Sheet Metal Screw	
	#8 x 1-3/4" Phillips Pan Head Sheet Metal Screw	
Low Head Room Torsion Spring Front and Rear Mount		Min. Required
	Low Head Room Front and Rear Top Fixture	2
	End Bearing Plate	2
	Low Head Room Front and Rear Outside Hook-up Bottom Fixture	1 Left & 1 Right

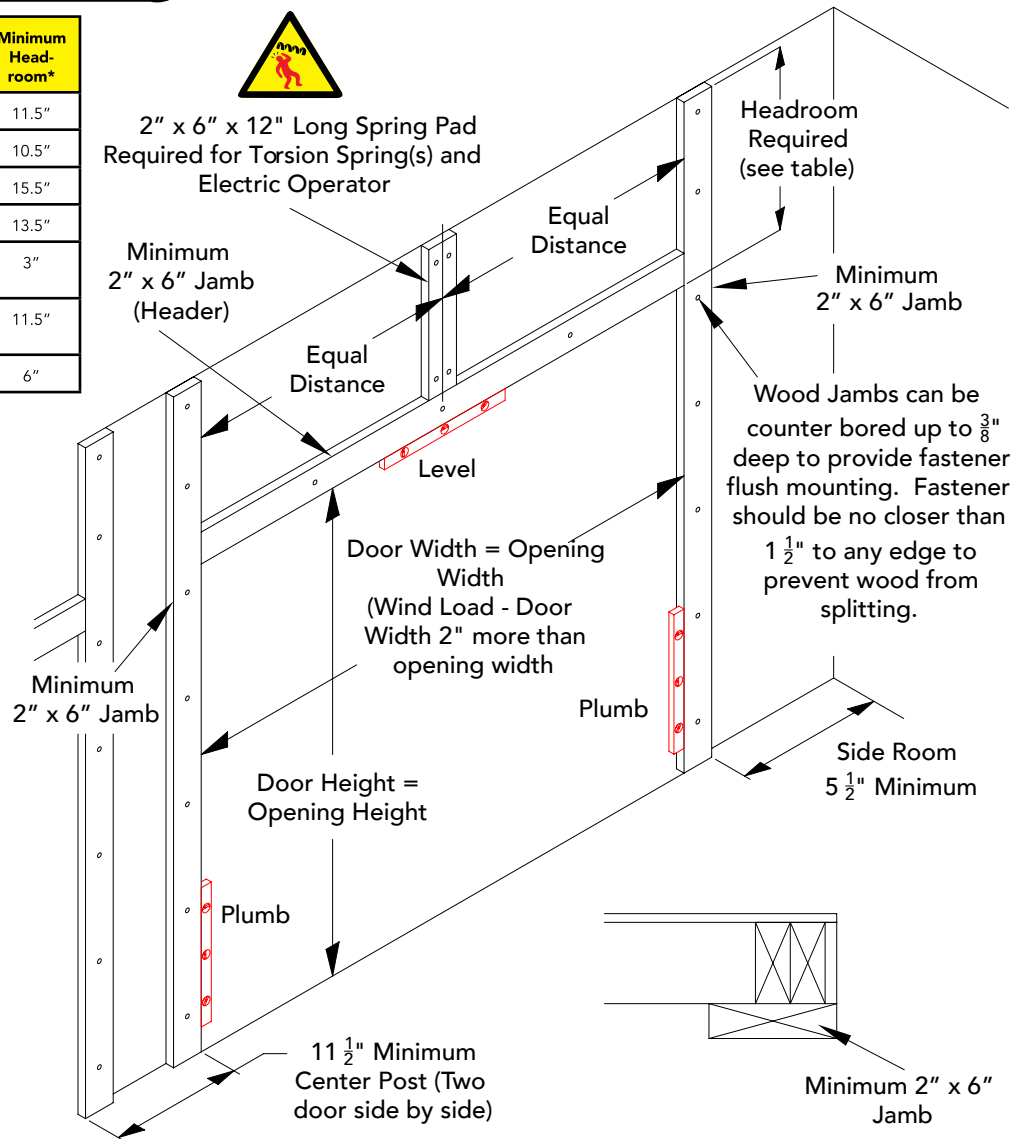
Installing the New Door - Components:



- | | | | |
|----|--|----|----------------------------------|
| 1 | ROLLER | 11 | BOTTOM BRACKET (L & R) |
| 2 | JAMB BRACKET | 12 | INTERMEDIATE HINGE |
| 3 | SPRING ANCHOR | 13 | BLACK NYLON BEARING |
| 4 | TORSION CABLE | 14 | FLAG BRACKET (L & R) |
| 5 | END BEARING PLATE (L&R) | 15 | TORSION SPRING (L & R) |
| 6 | CABLE DRUM (L & R) | 16 | LIFT HANDLES/STEP PLATES |
| 7 | TOP BRACKET | 17 | TUBE SHAFT |
| 8 | STEP PLATE AND LIFT HANDLE (OTIONAL) | 18 | E STRUT |
| 9 | OUTSIDE AND INSIDE LIFT HANDLE (OTIONAL) | 19 | DOOR PANEL |
| 10 | END HINGE/ROLLER CARRIER | 20 | VERTICAL TRACK (L & R) |
| | | 21 | HANGER (DYI - NOT SUPPLIED) |
| | | 22 | SLIDE LOCK (OPTIONAL) |
| | | 23 | BOTTOM SEAL |
| | | 24 | HORIZONTAL TRACK & ANGLE (L & R) |

Opening Preparation:

TRACK RADIUS	Counter-balance Type	Minimum Head-room*
12" RADIUS	Torsion	11.5"
	Extension	10.5"
15" RADIUS	Torsion	15.5"
	Extension	13.5"
LOW HEADROOM	Rear Torsion	3"
	Front Torsion	11.5"
	Extension	6"



WARNING! Torsion spring installation requires a center spring mounting pad. **Minimum size should be 2" x 6" x 12" of Grade 2 or better Southern /Yellow Pine.** It should be attached securely using (4) $\frac{3}{8}$ " x 3" lag screws. Lag screws not included. Use (4) $\frac{3}{8}$ " masonry anchors to mount into concrete. **DO NOT** use wood labeled Spruce/Pine/Fir (SPF).



- If the spring pad splits during or after the torsion spring(s) are wound, it should be replaced by a professional installer. **DO NOT attempt to remove or repair the mounting pad(s) once a spring is wound.**
- DO NOT install spring mounting pads, track, or sway braces through drywall.** The drywall reduces the engagement area of the lag screws, reducing the strength of the door assembly.



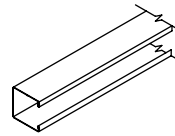
STOP! If installing Rear Torsion, Low Head Room Spring Counterbalance, the spring pad will be mounted on the ceiling with the same requirements for strength.

STOP! If door being installed is a designated Wind Load garage door, a 1" overlap of the door to the door frame is required.

STOP! Before you begin installation of your Haas Door, verify you have the proper materials and clearances required.

- Ensure you have enough space to maneuver the door sections to prevent potential damage.
- Confirm the door is the proper size for the opening.
- Confirm you have enough side and head room for the planned installation. *Electric operators require additional headroom. See instructions provided with operator for exact amount.

STEP 1:

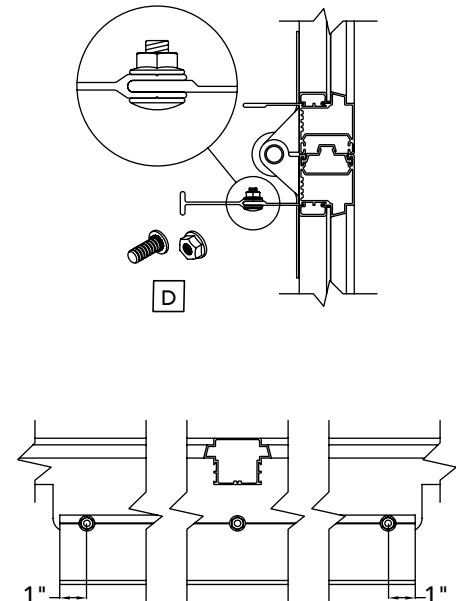
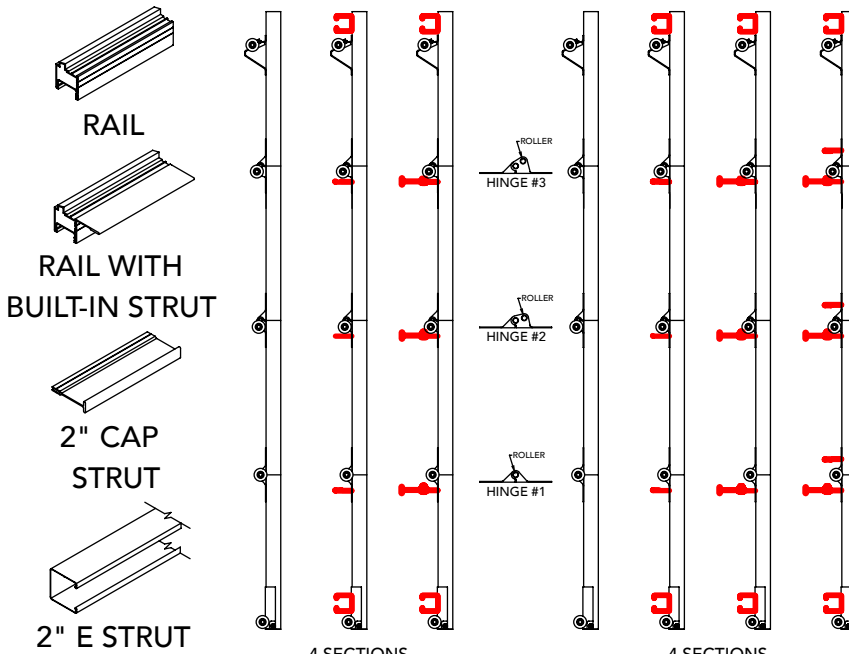
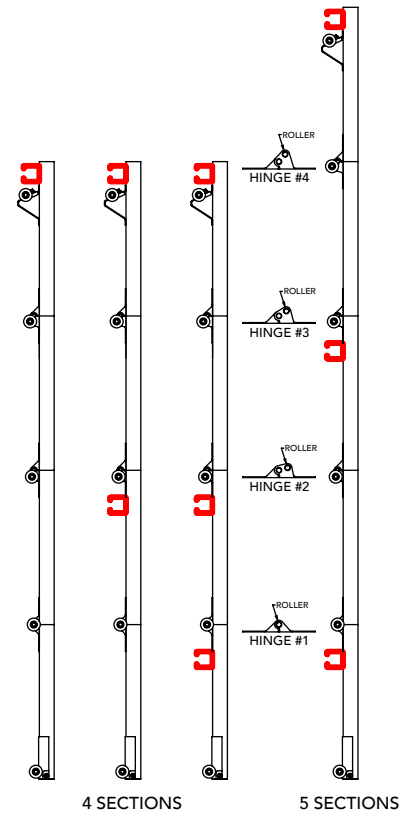


2" E STRUT

Models without Windows	8', 9' & 10'	16' & 18'
American Tradition Series™	1 - 2" Strut on section 4	3 - 2" Struts on sections 1,2, & 4

Models without Windows	14'		15'		16'		17'		18'	
	Qty	Size	Qty	Size	Qty	Size	Qty	Size	Qty	Size
All models not listed	No Strut	No Strut	1	2"	1	2"	3	2"	3	2"
2560, 2561, 2570, 2571, 2572, 2580, 2581, 2582, 2560L, 2561L, 2570L, 2571L, 2572L, 2580L, 2581L, 2582L	2	2"	2	2"	2	2"	3	2"	3	2"

Models with Windows			7'7"-15'5"		15'6"-16'2"		16'3"-18'		
			Qty	Size	Qty	Size	Qty	Size	
2060, 2061, 2063, 2064, 760, 761, 763, 764, 660, 661, 663, 664			1	2"	2	2"	3	2"	
Models with Windows		7'9"-10'2 12'0"-13'2"		13'3"-14'2"		15'6"-16'2"		16'3"-18'	
		Qty	Size	Qty	Size	Qty	Size	Qty	Size
2460, 2460L, 2461, 2461L		1	2"	1	2"	1	2"	3	2"
2560, 2560L, 2561, 2561L		1	2"	2	2"	2	2"	3	2"

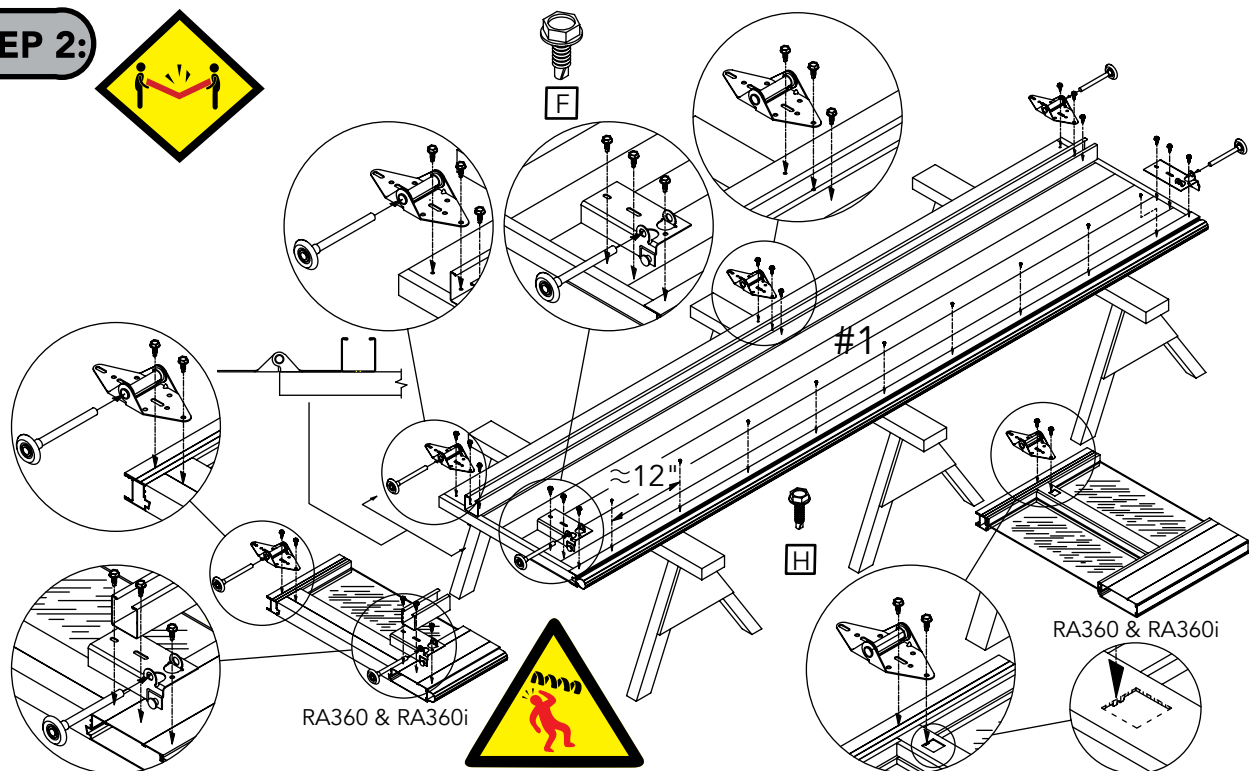


RA360

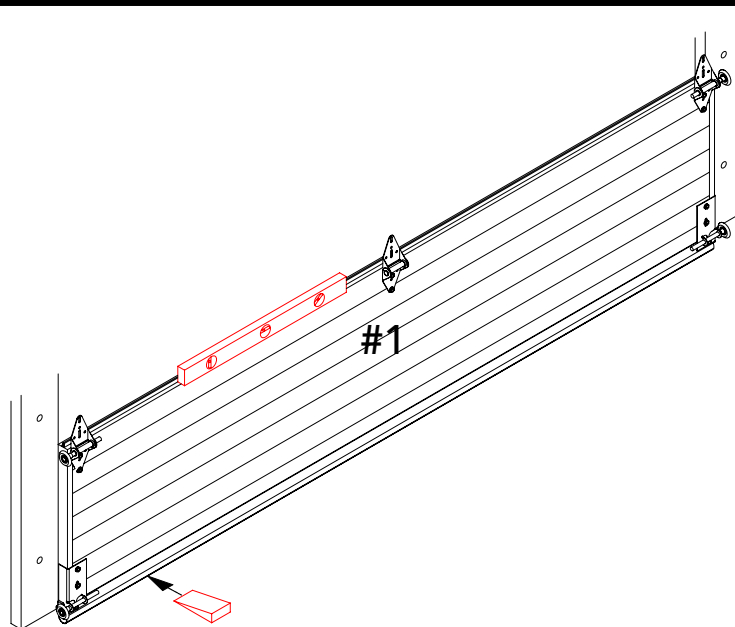
RA360i

Series	Glass	Strutting	Up to 8'2" W	8'3" - 12'2" W	12'3" - 14'2" W	14'3" - 16'2" W	16'3" - 18'2" W
RA360i	1/4" or 1/2"	Built In	None	Yes / Not in Top	Yes / Not in Top	Yes / Not in Top	Yes
		2" Cap Strut	None	None	3	3	3
		2" E Strut	None	2	2	2	2
RA360	1/8"	Built In	None	None	Yes / Not in Top	Yes / Not in Top	Yes / Not in Top
		2" Cap Strut	None	None	None	3	3
		2" E Strut	None	None	2	2	2

STEP 2:



STEP 3:

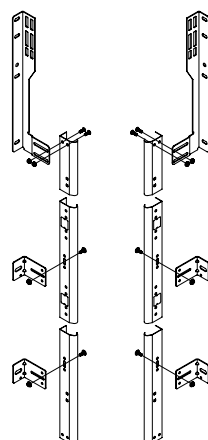


STEP 4:



4.2

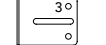
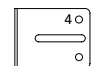
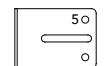
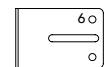
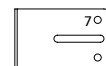
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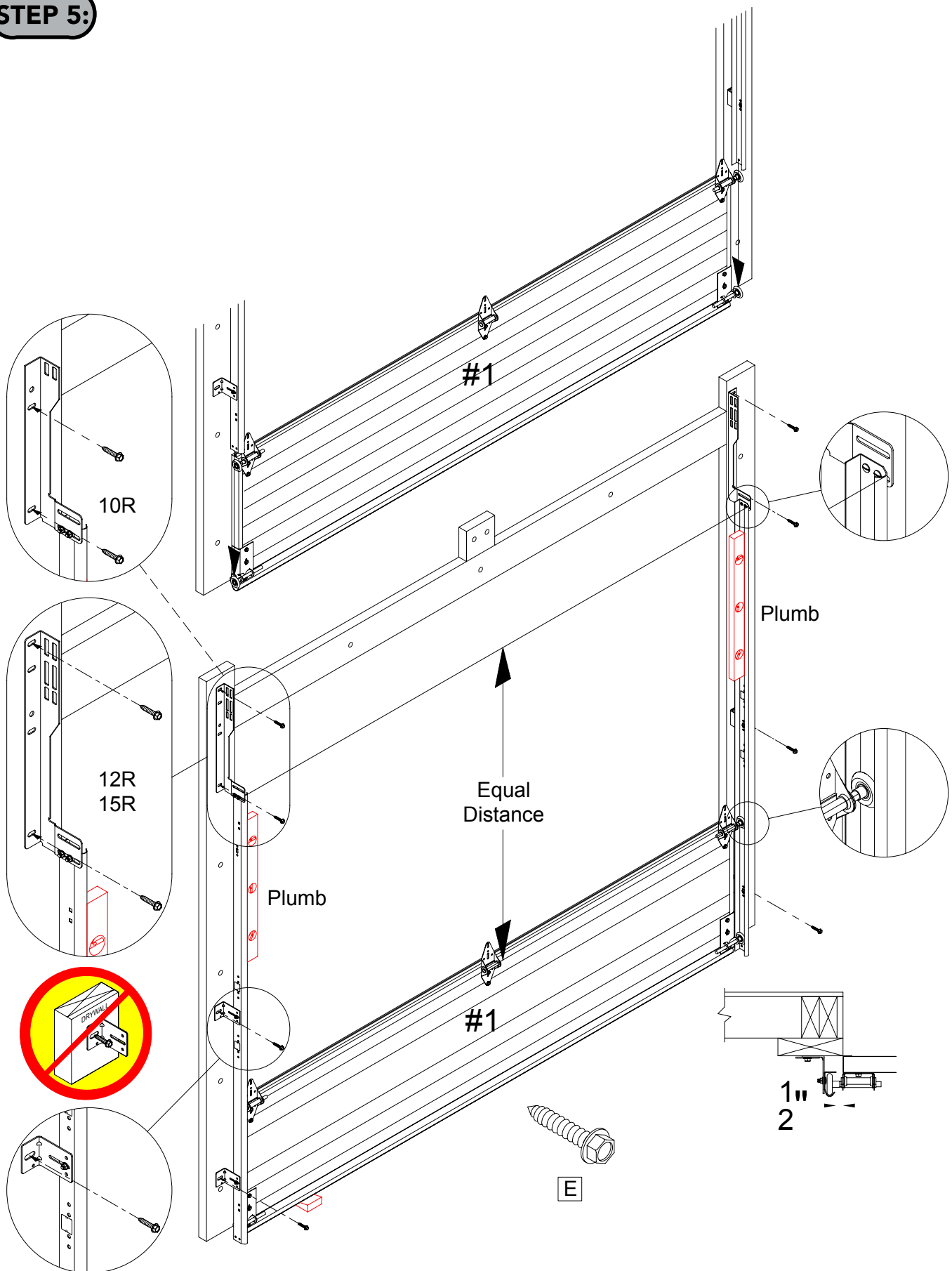


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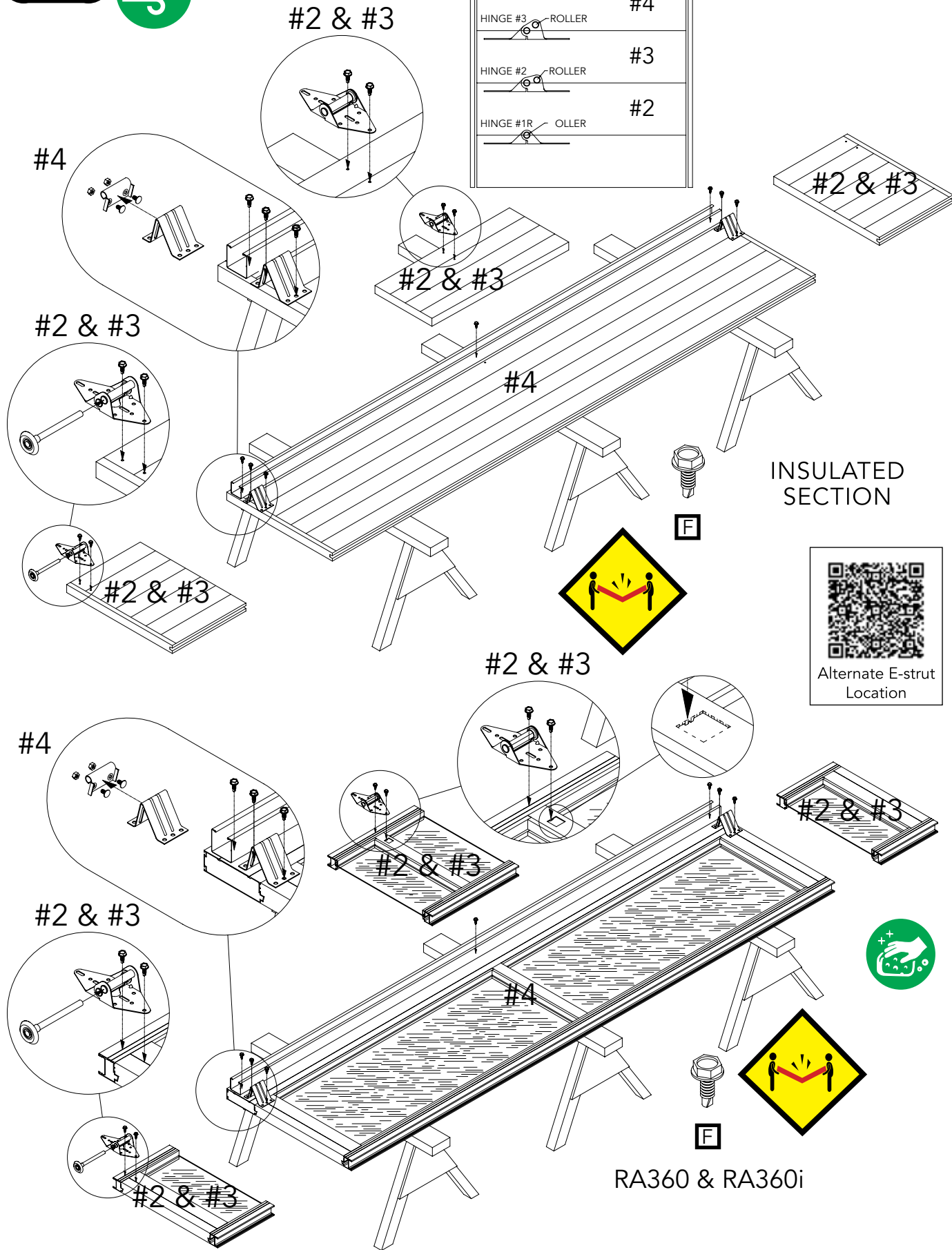
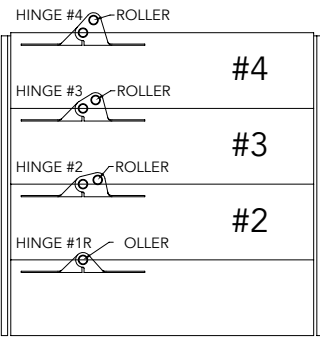


	Door Thickness	Bracket order from bottom to top		
	2"	5	6	7
	1 3/4"	4	5	6
	1 3/8"	3	4	5

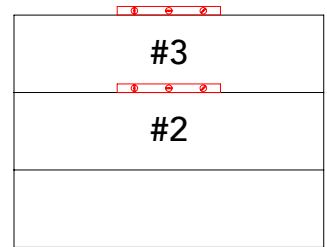
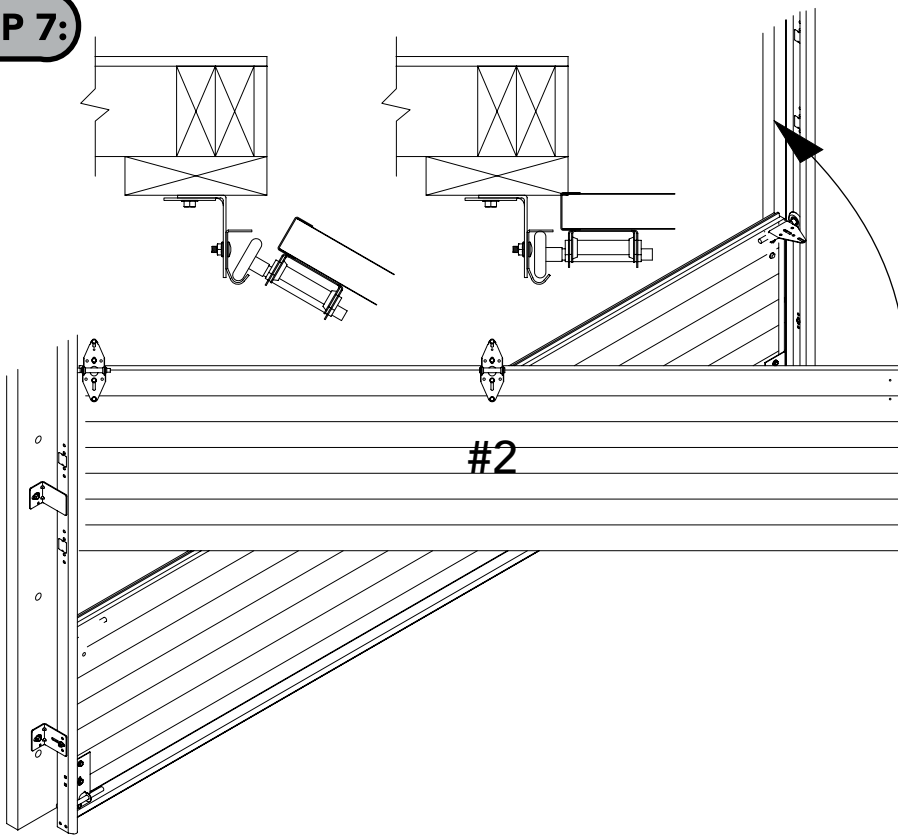
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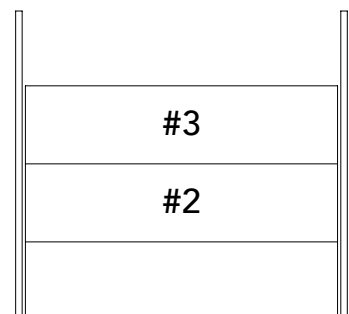
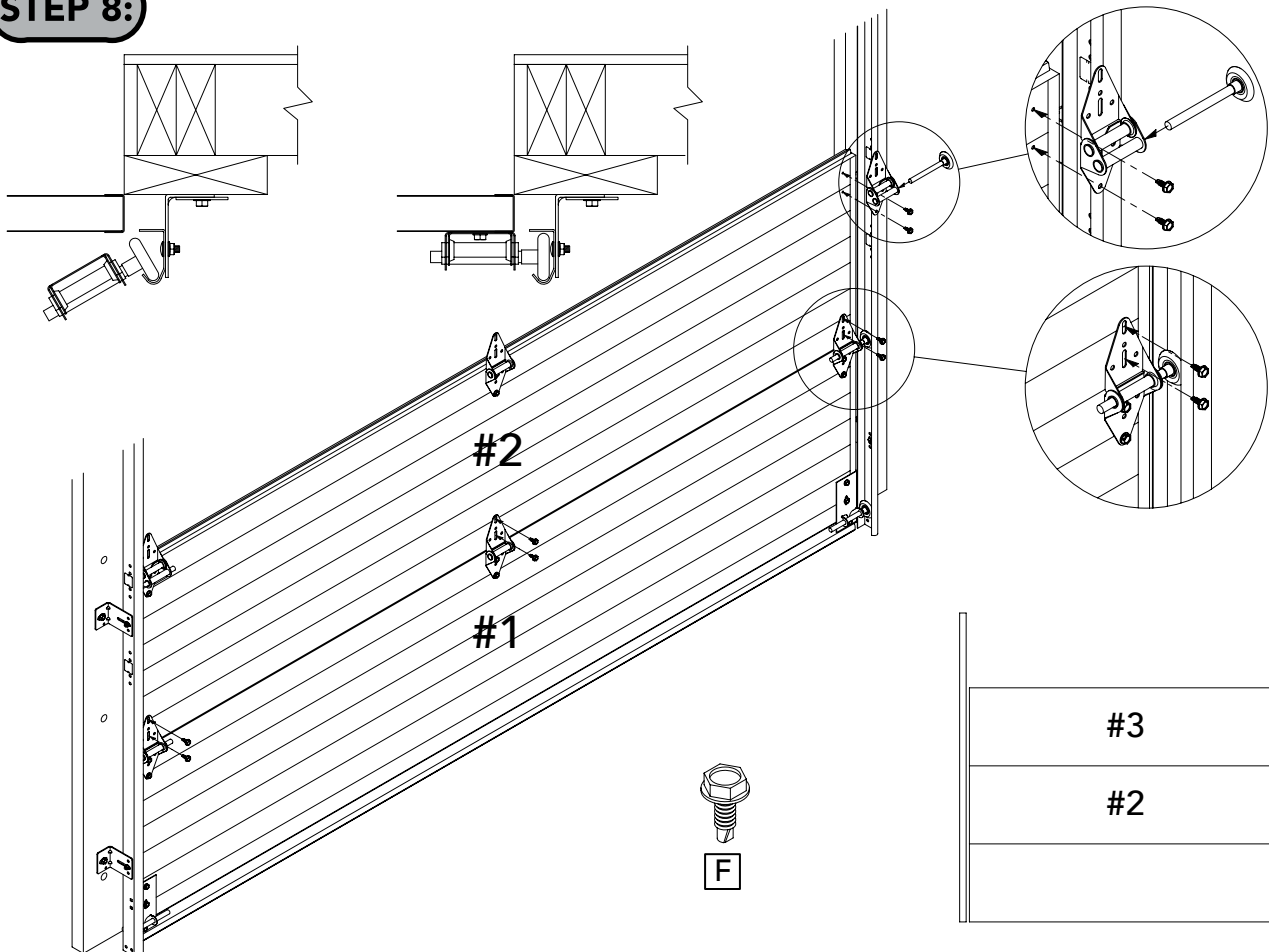
STEP 6:



STEP 7:

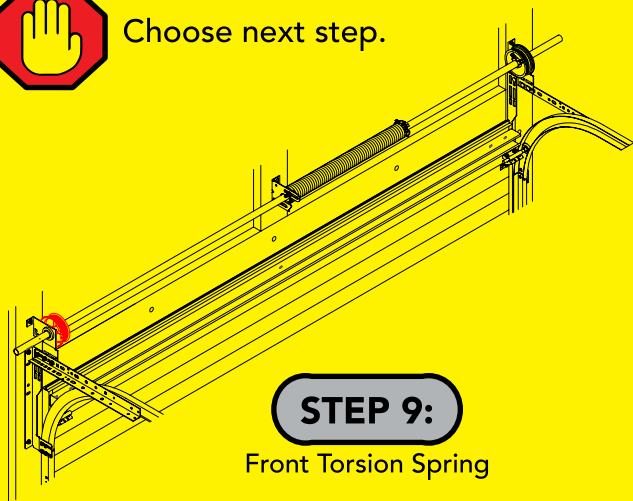


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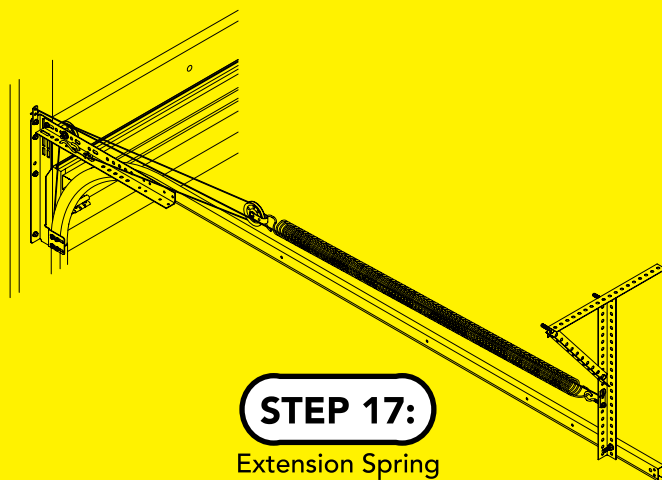


Choose next step.



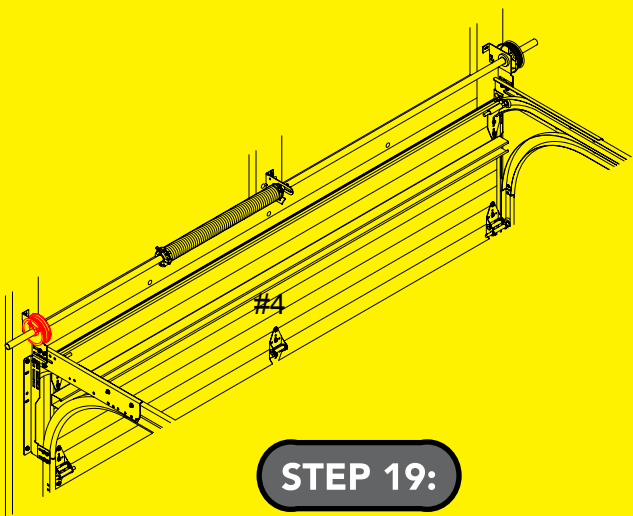
STEP 9:

Front Torsion Spring



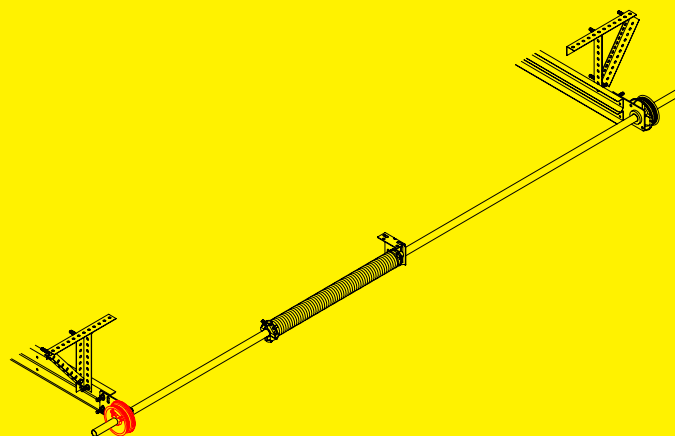
STEP 17:

Extension Spring



STEP 19:

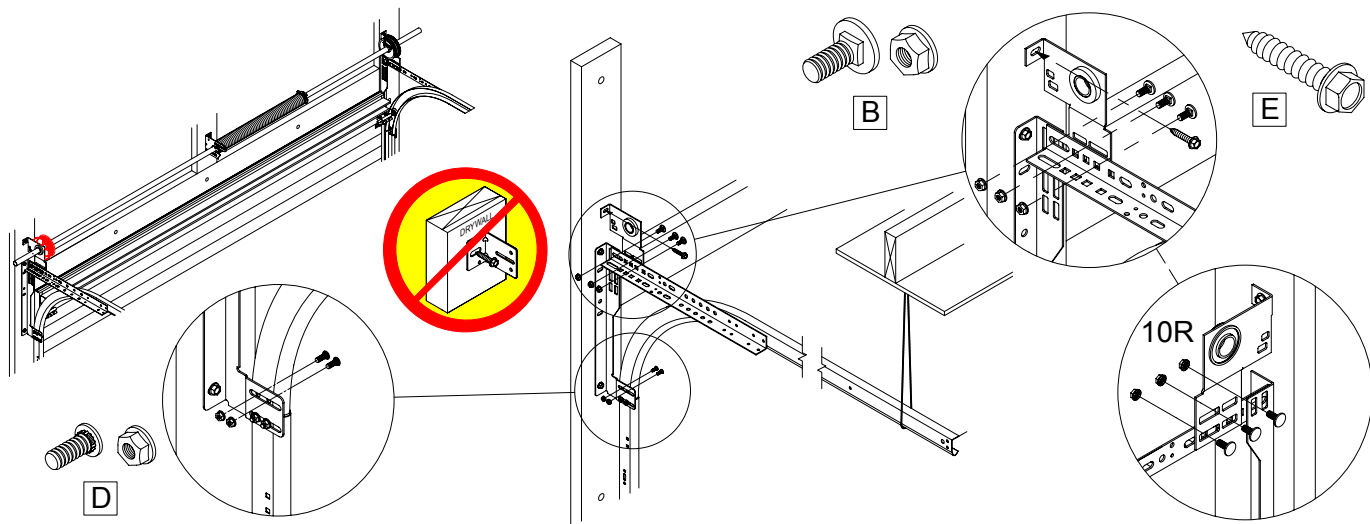
Front, Low-headroom Torsion Spring



STEP 26:

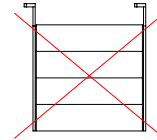
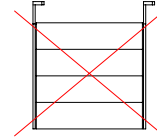
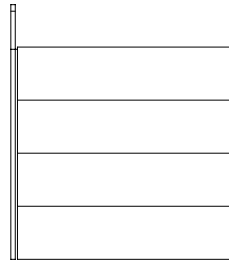
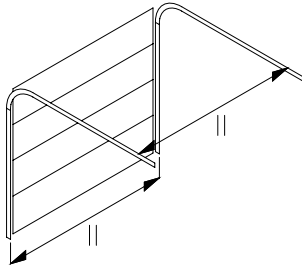
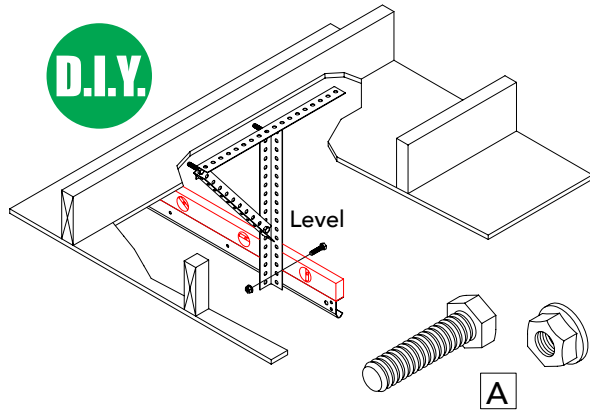
Rear, Low-headroom Torsion Spring

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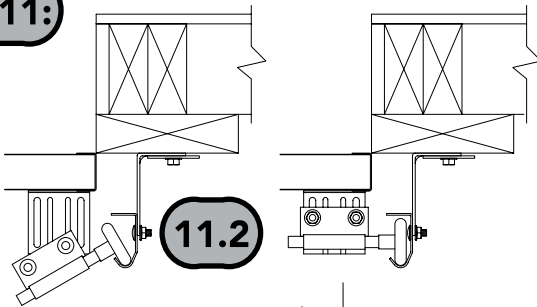


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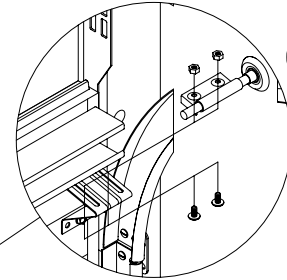
D.I.Y.



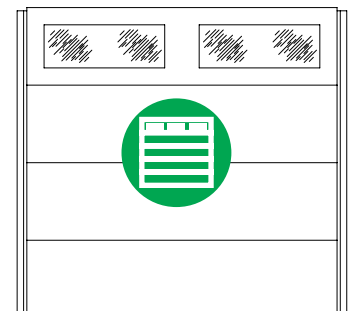
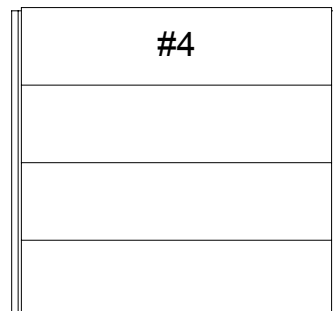
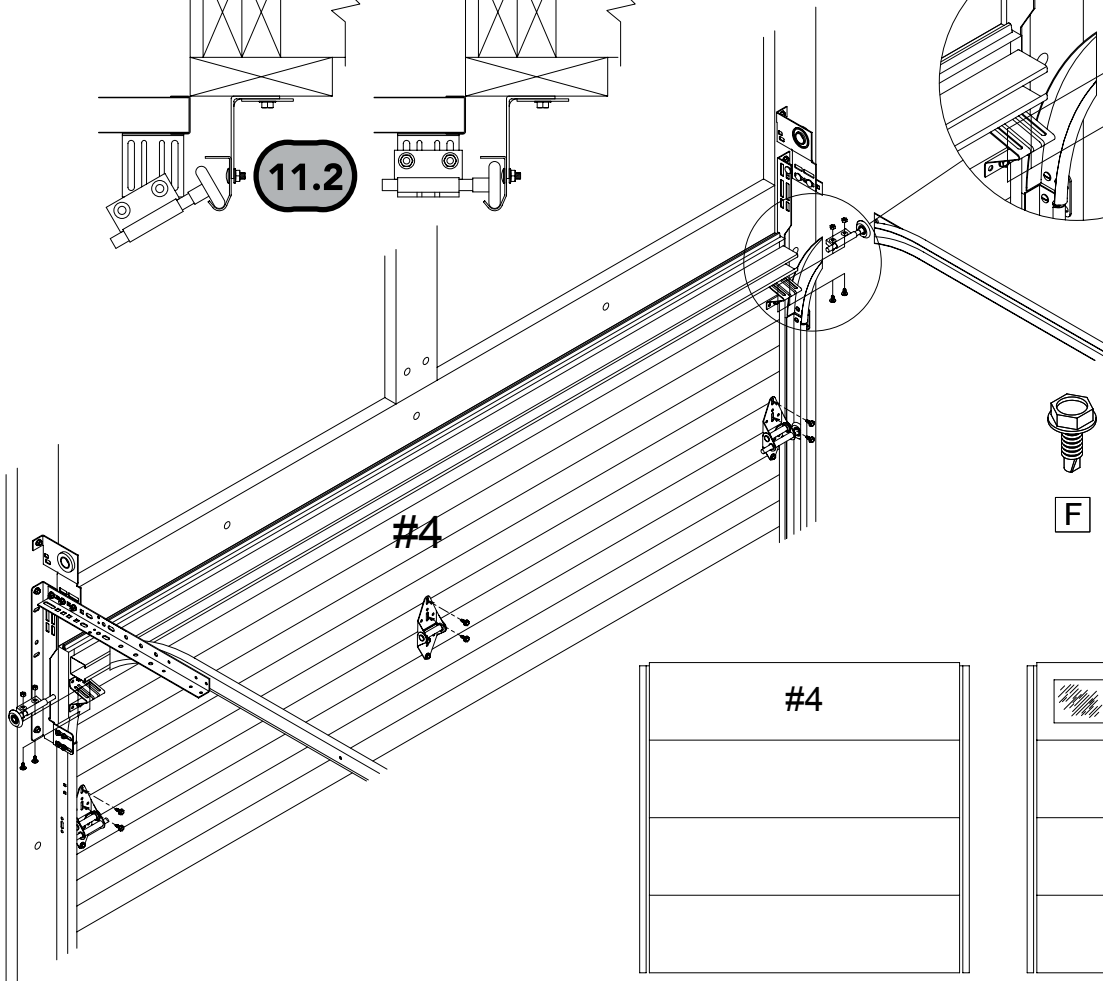
STEP 11:



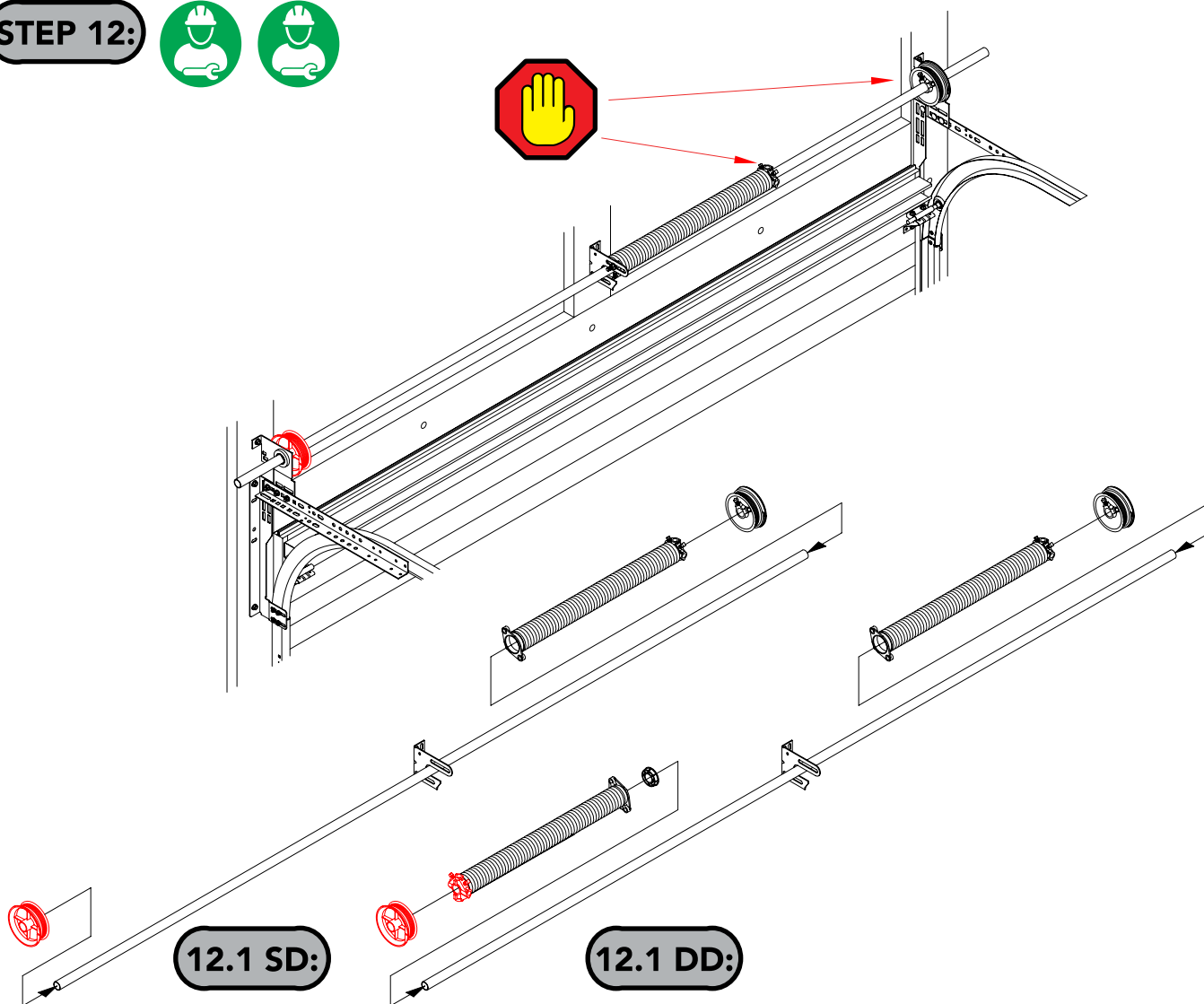
11.2



11.1

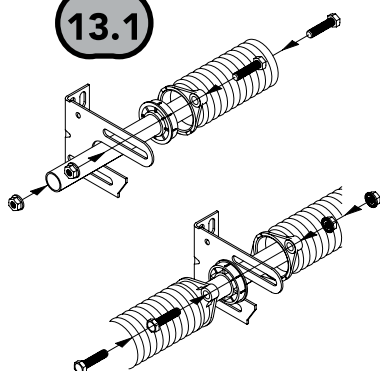


STEP 12:



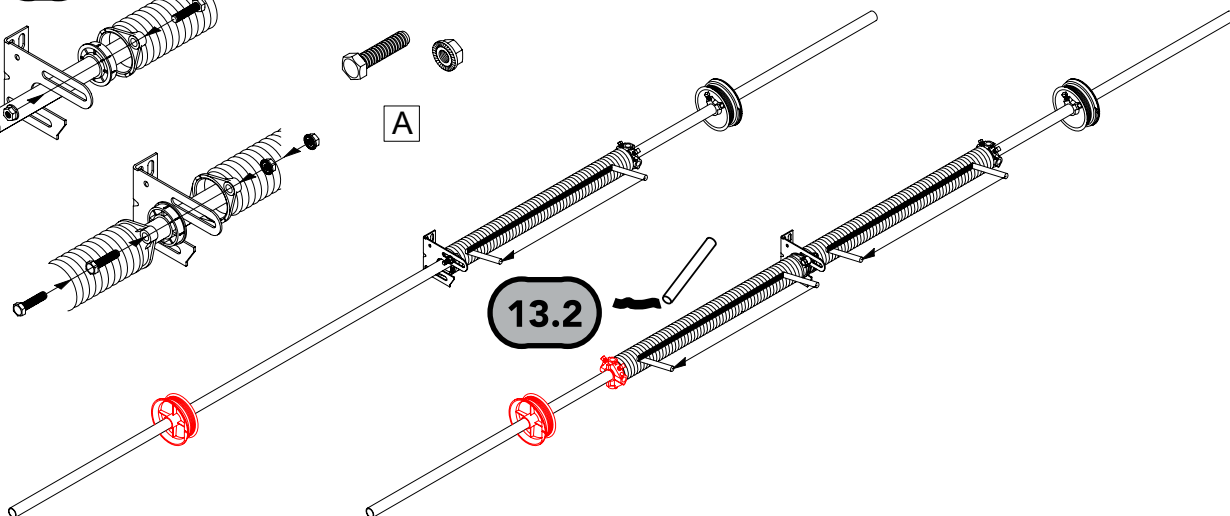
STEP 13:

13.1

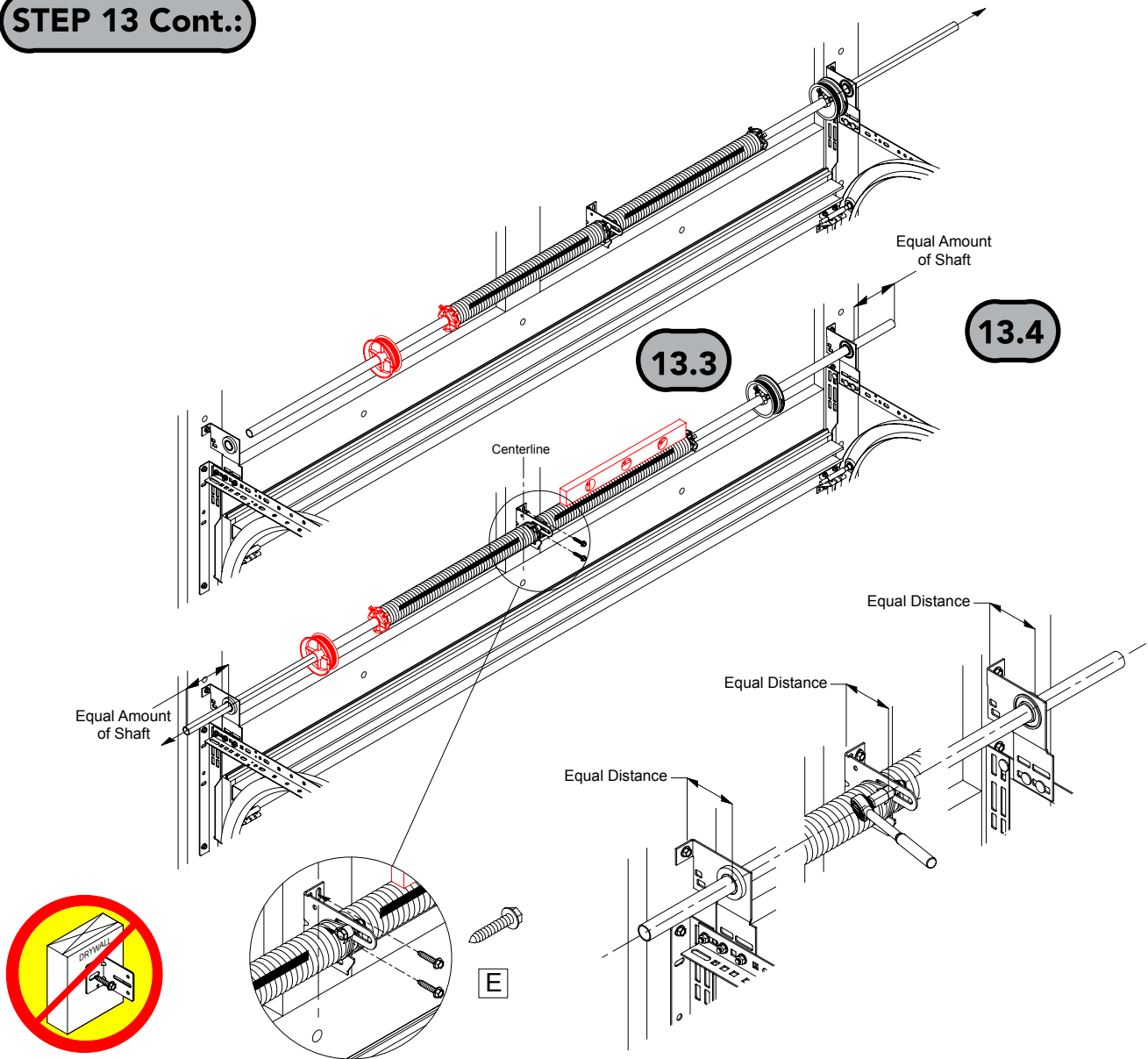


A

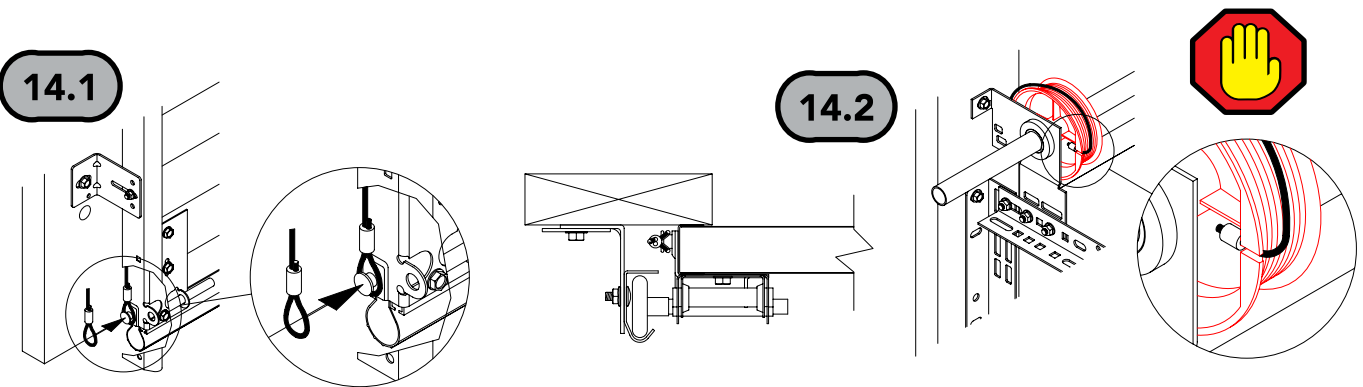
13.2



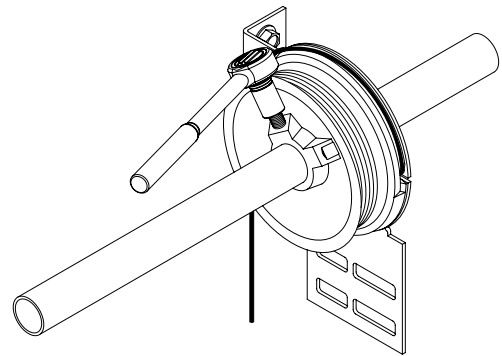
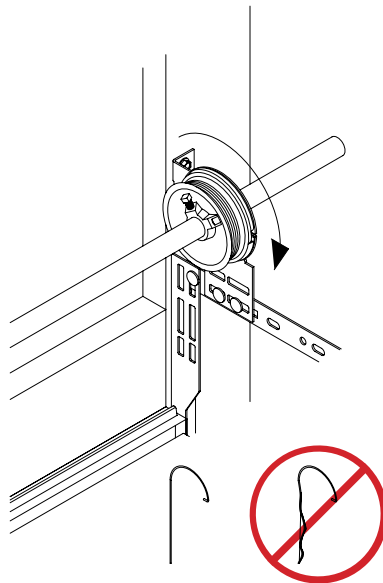
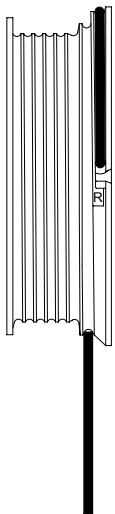
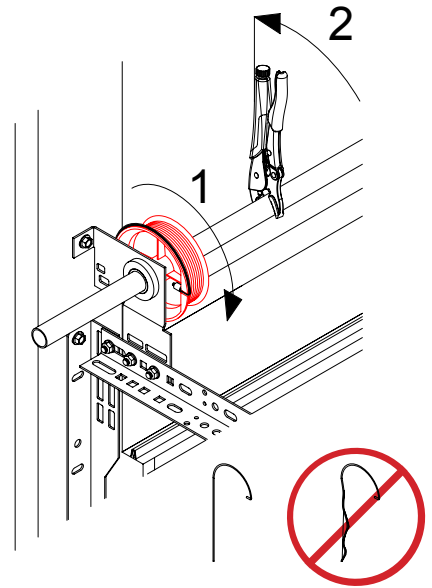
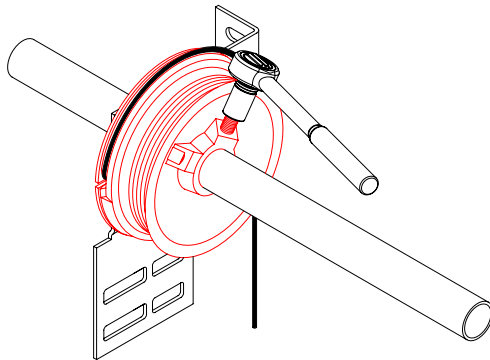
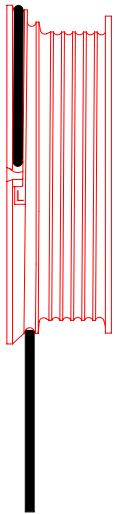
STEP 13 Cont.:



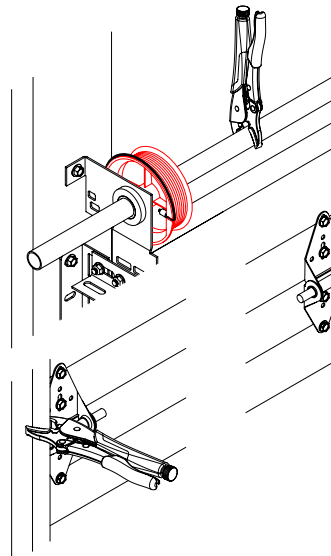
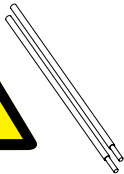
STEP 14:



STEP 15:



STEP 16:



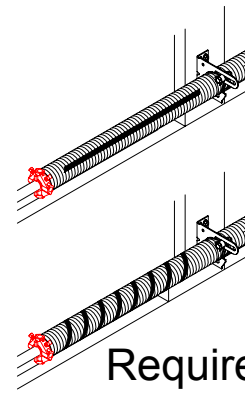
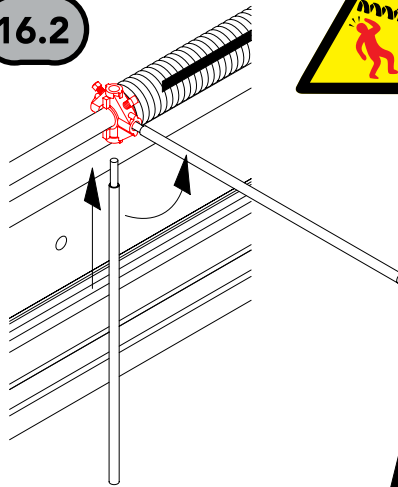
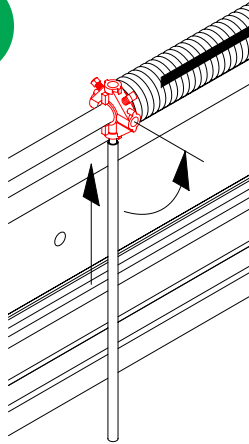
16.1



STEP 16 Cont.:

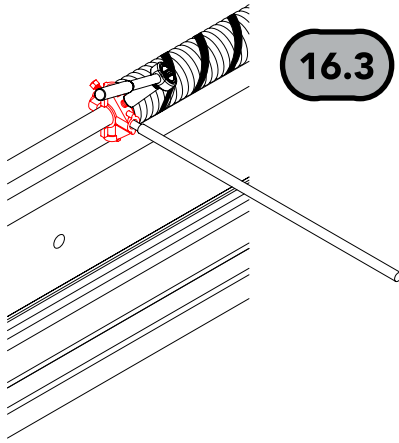


16.2

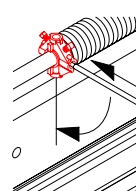
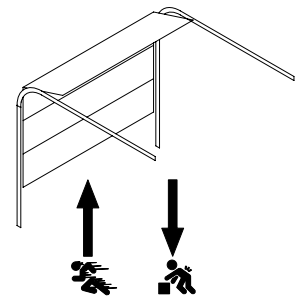
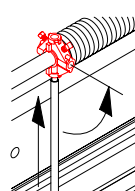
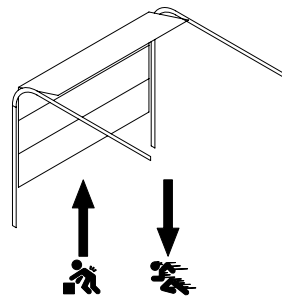
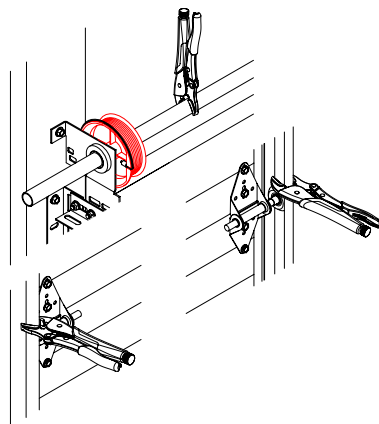
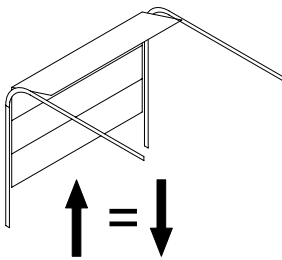
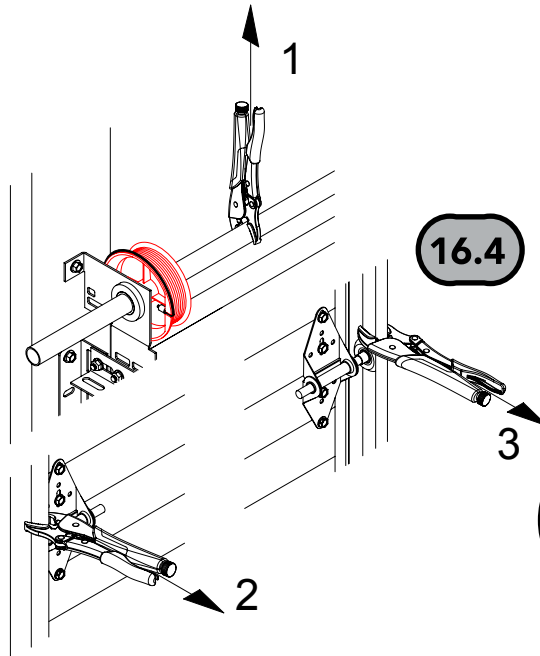


**Required #
of Turns**

16.3

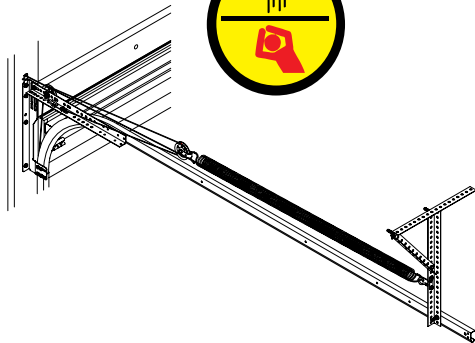


16.4

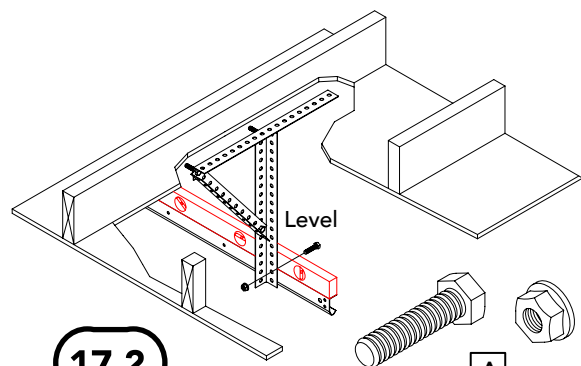
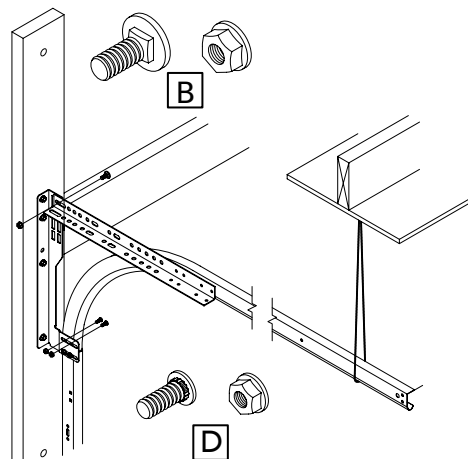


STOP! The installation of the Front Torsion Spring is **COMPLETE!**
Continue to page 32 for handle installation.

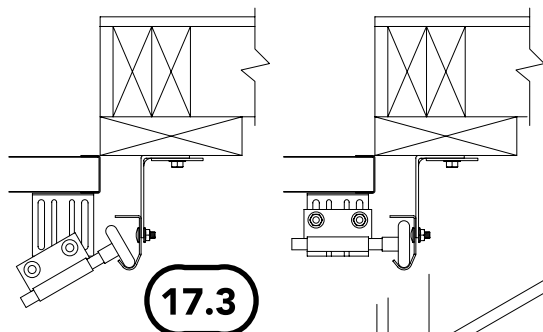
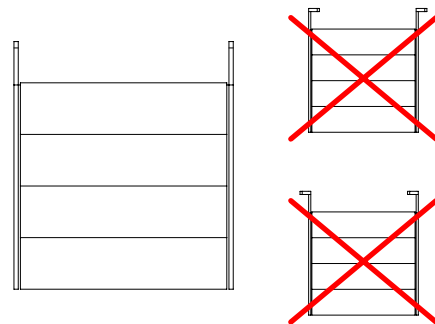
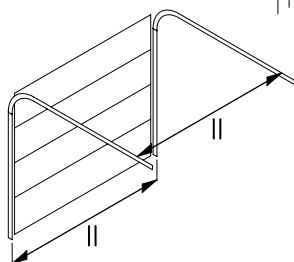
STEP 17:



17.1

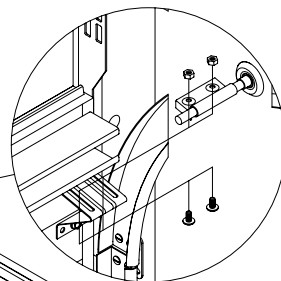


17.2

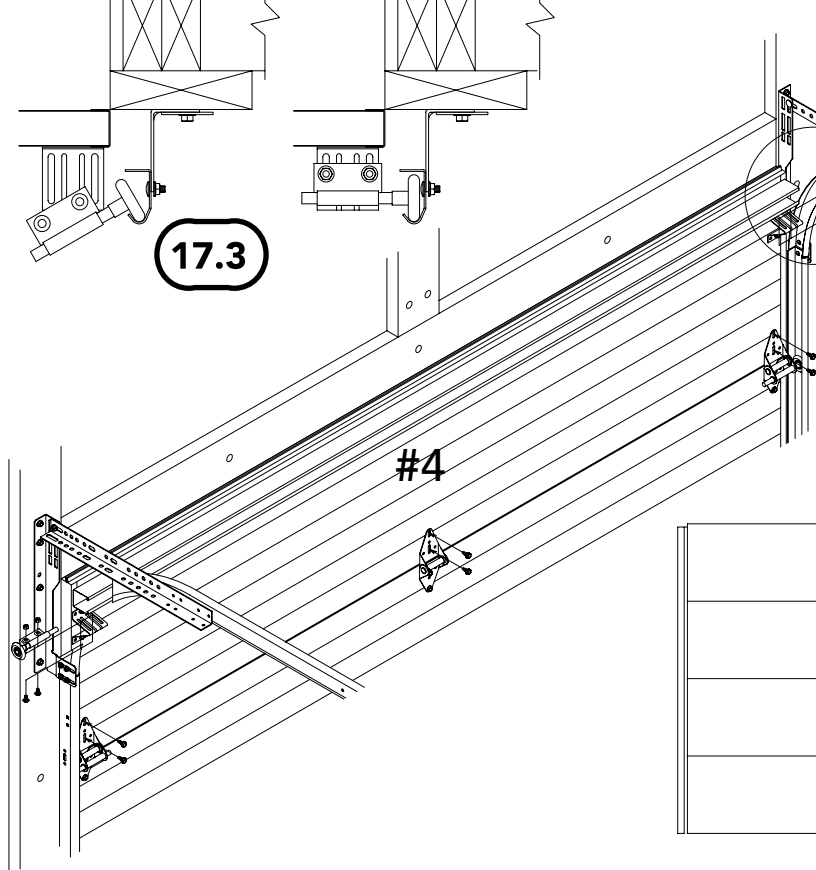


17.3

17.4

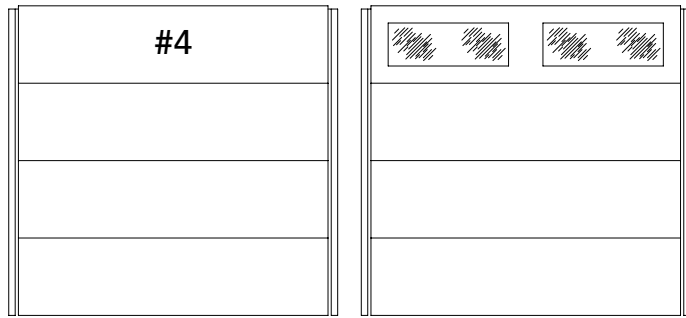


F

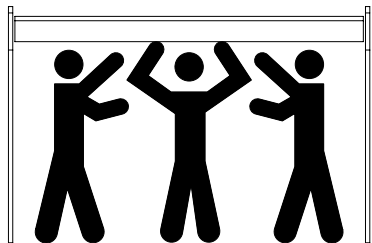


#4

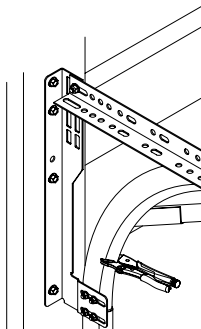
#4



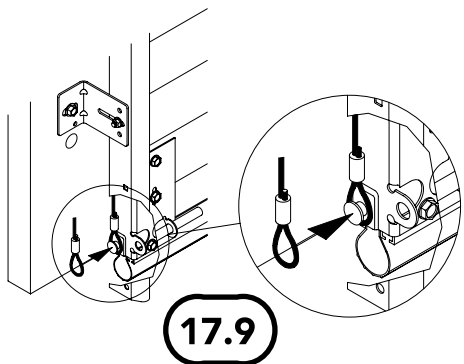
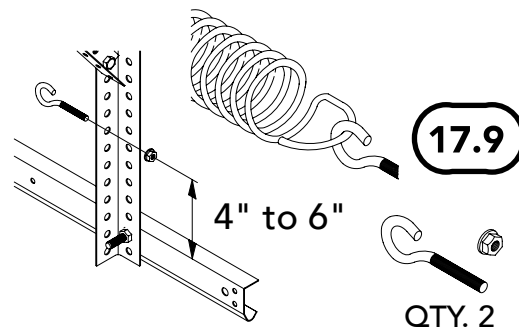
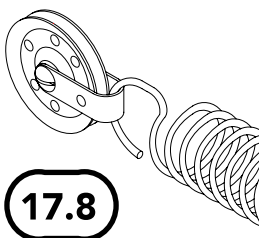
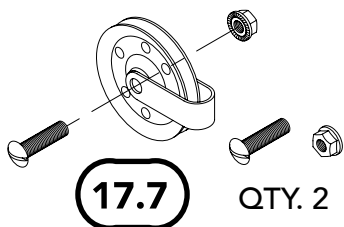
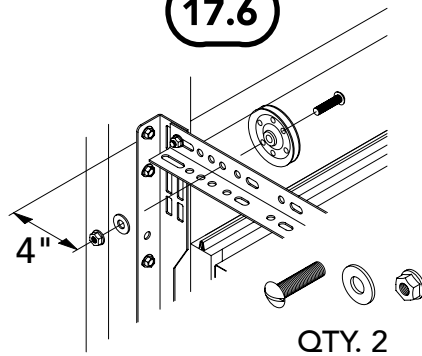
STEP 17 Cont.:



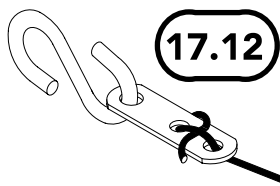
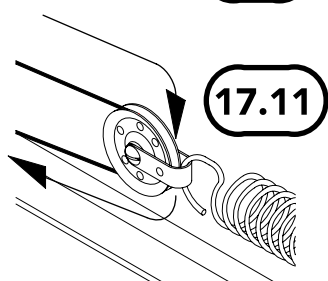
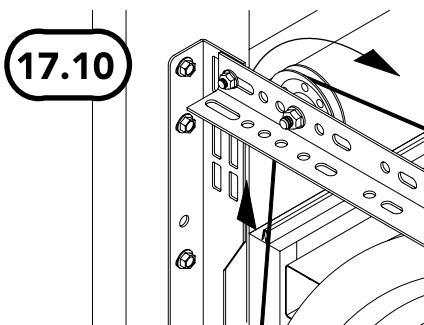
17.5



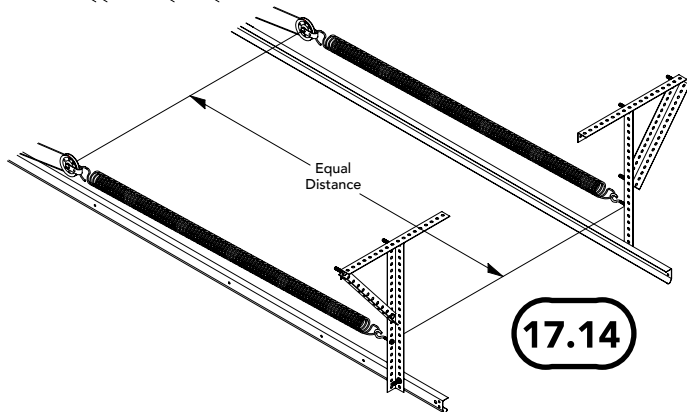
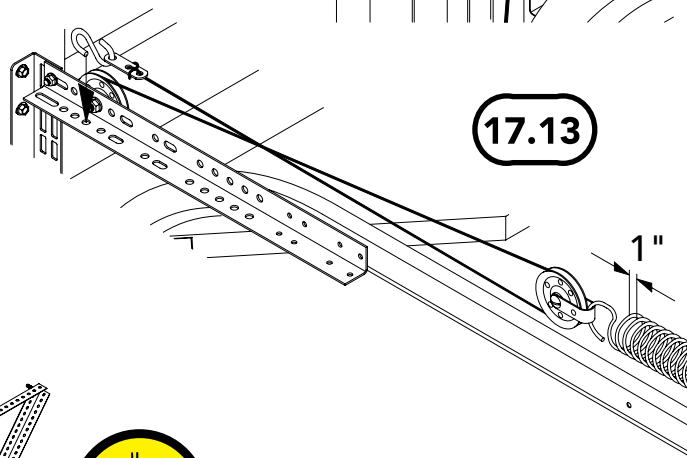
17.6



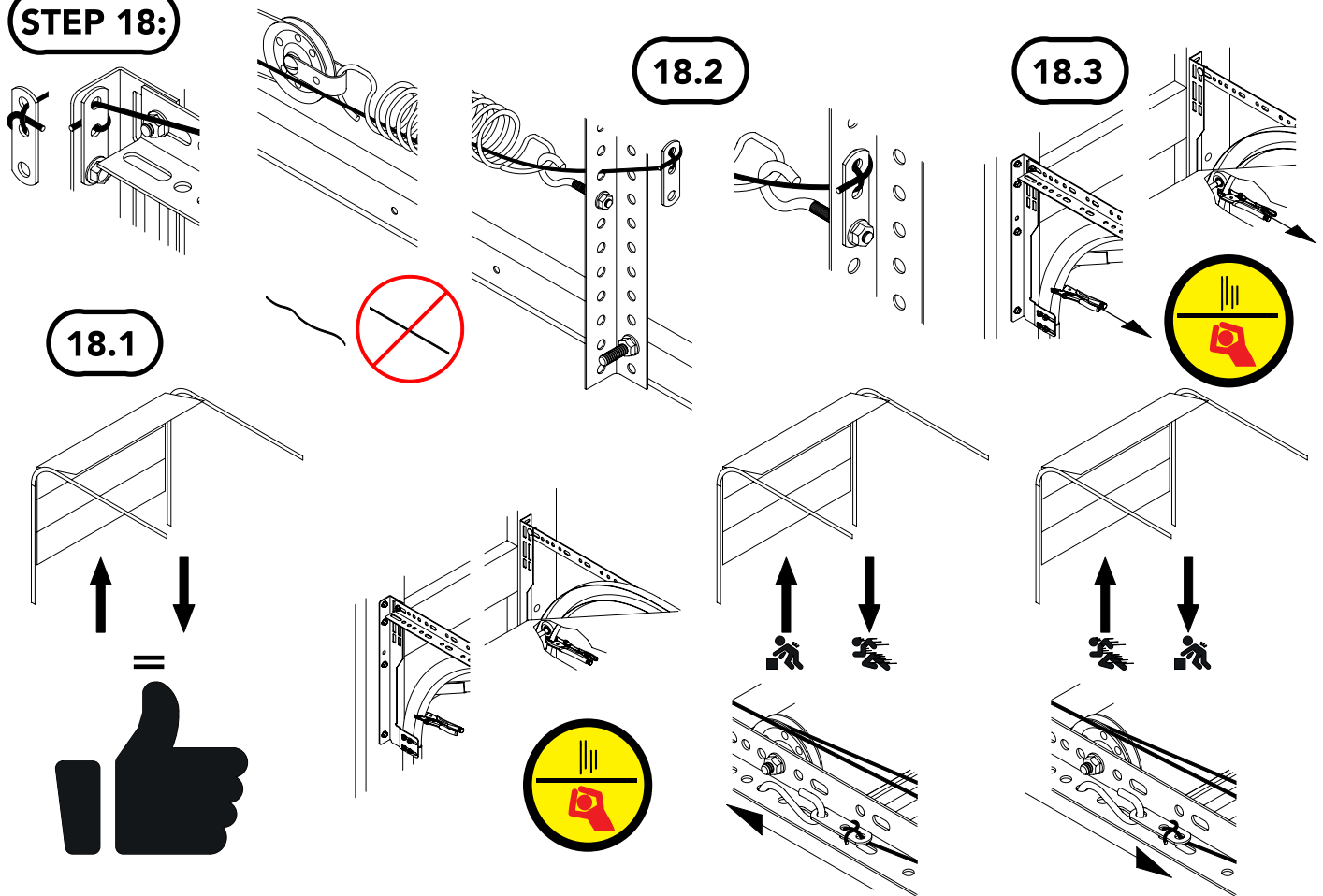
17.10



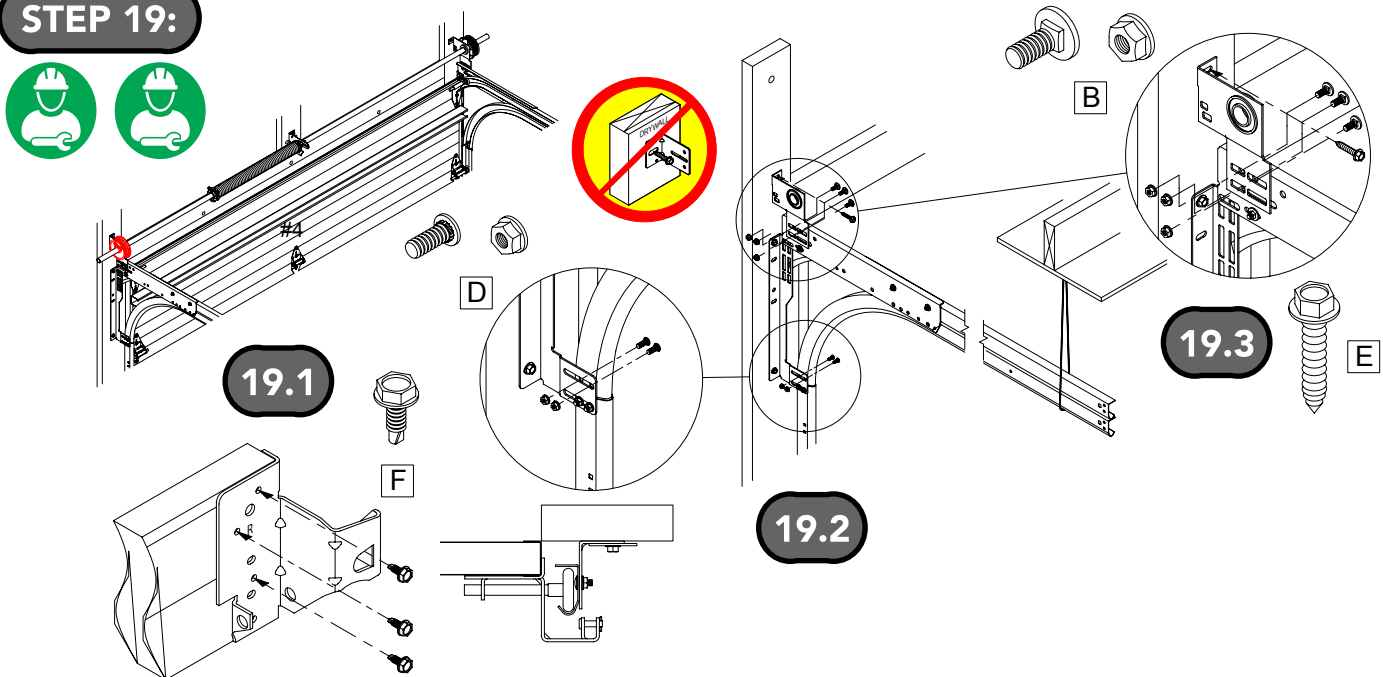
17.13



STEP 18:

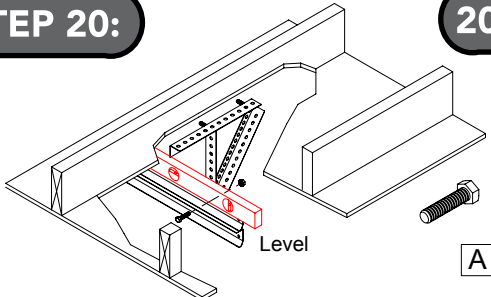


STEP 19:

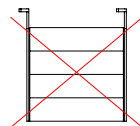
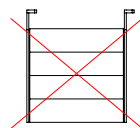
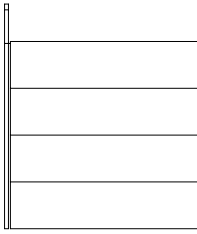
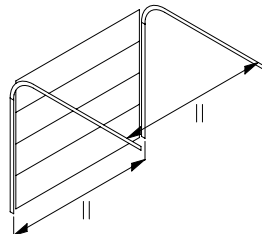


STEP 20:

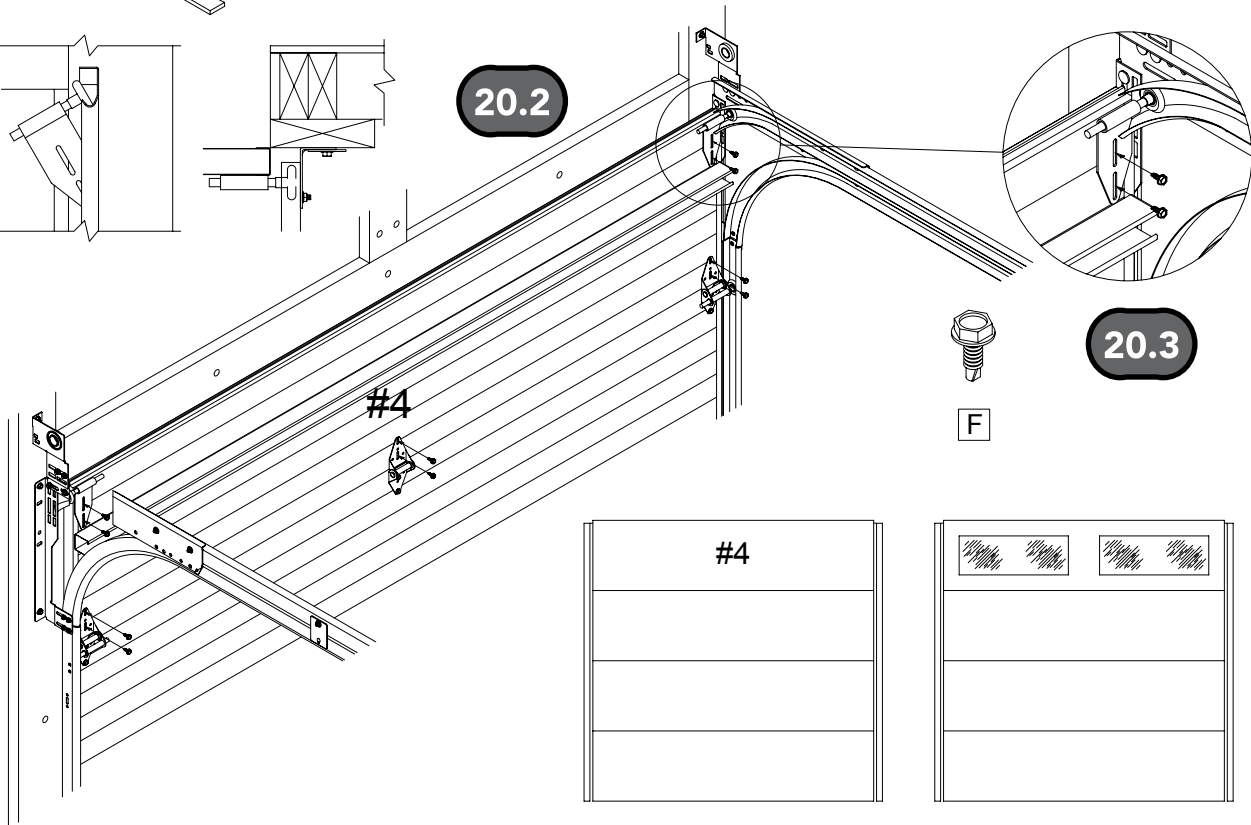
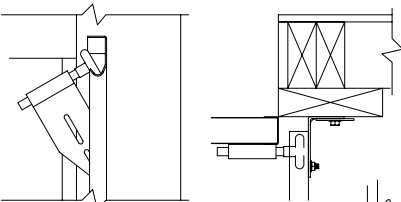
20.1



A



20.2

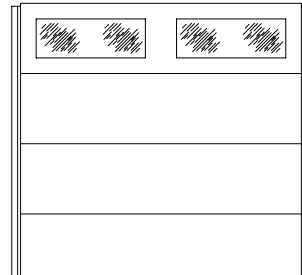


20.3

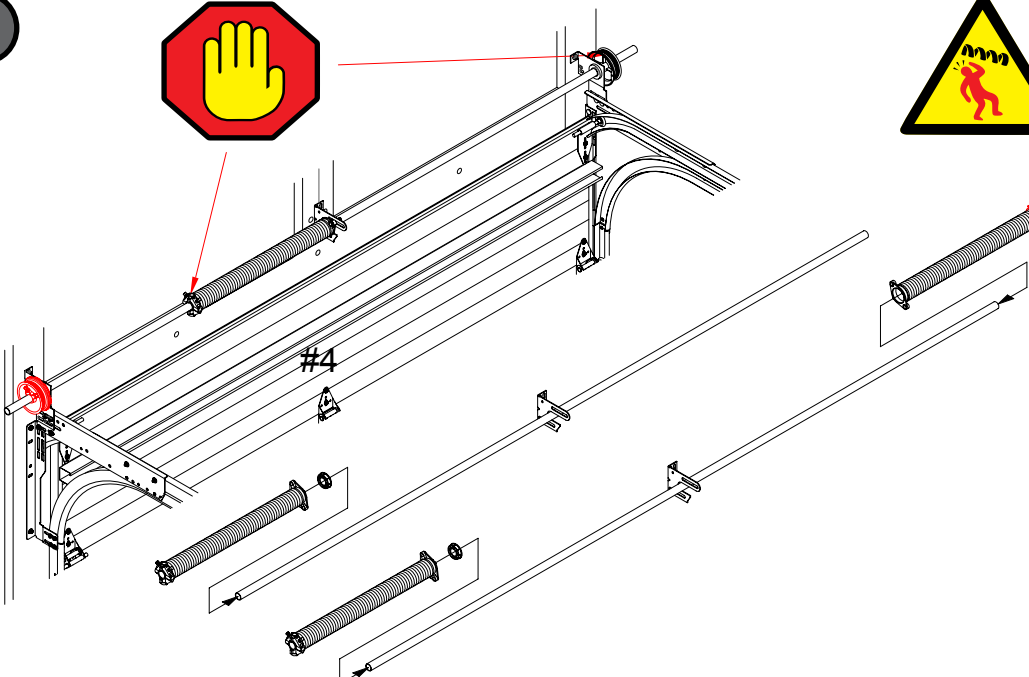


F

#4



STEP 21:



STEP 22:

22.1

A

22.2

22.3

22.4

Equal Distance

Equal Distance

Equal Distance

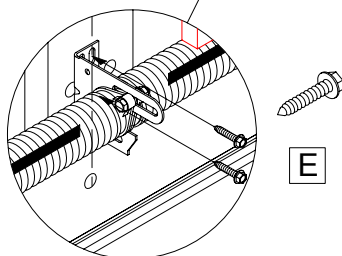
22.5

E

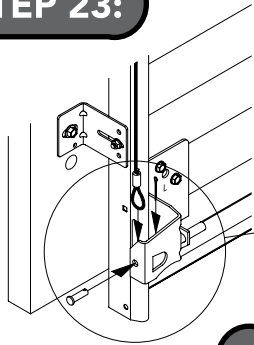
Equal Amount of Shaft

Equal Amount of Shaft

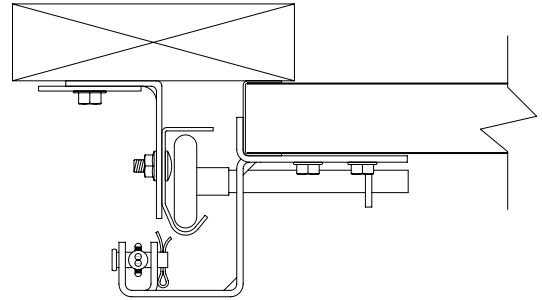
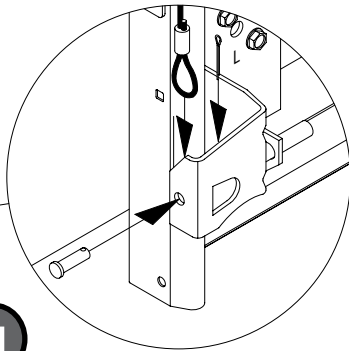
Centerline



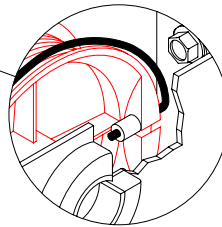
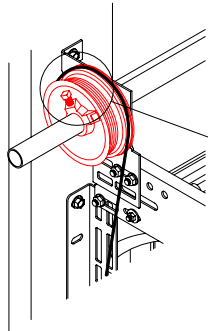
STEP 23:



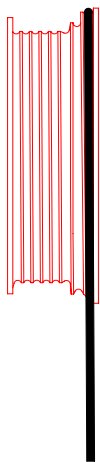
23.1



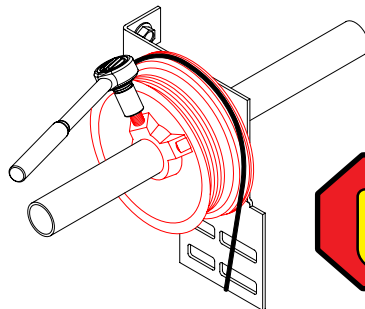
23.2



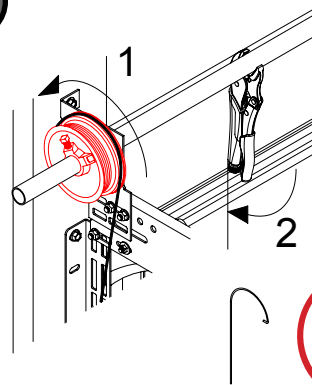
STEP 24:



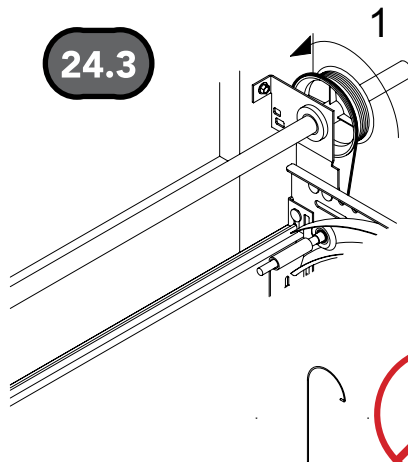
24.1



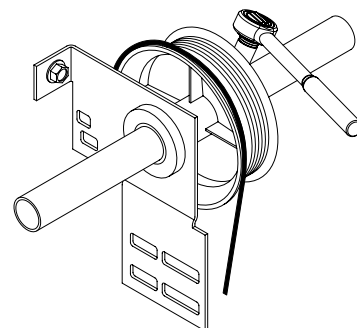
24.2



24.3



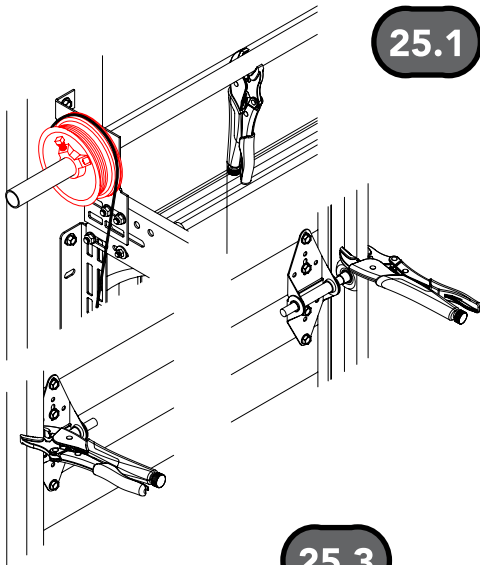
24.4



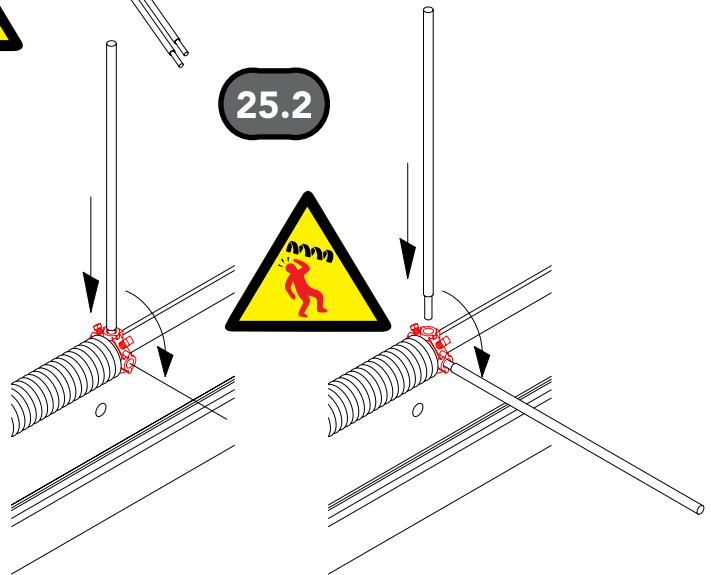
STEP 25:



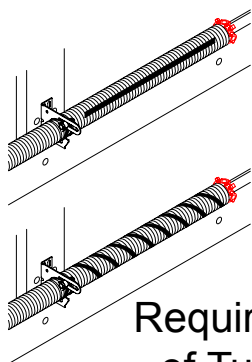
25.1



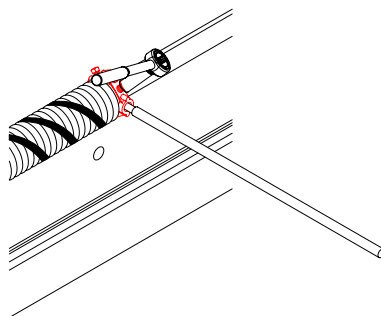
25.2



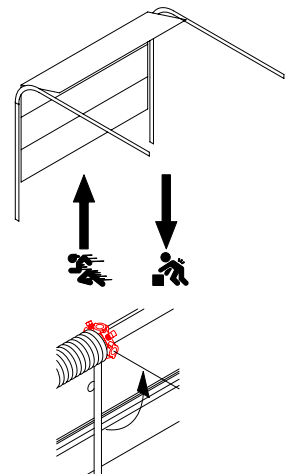
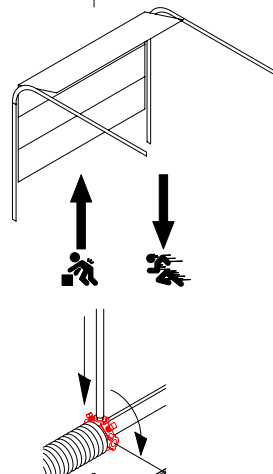
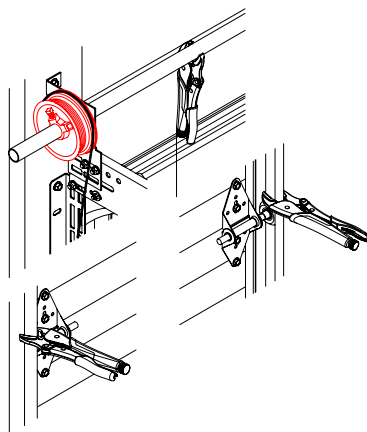
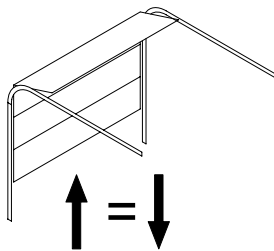
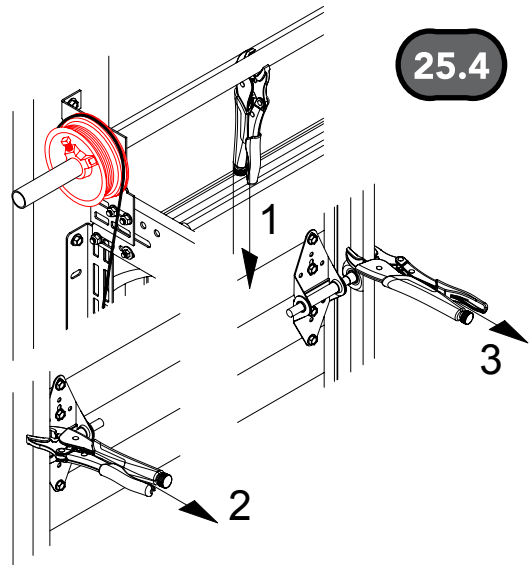
25.3



Required #
of Turns



25.4



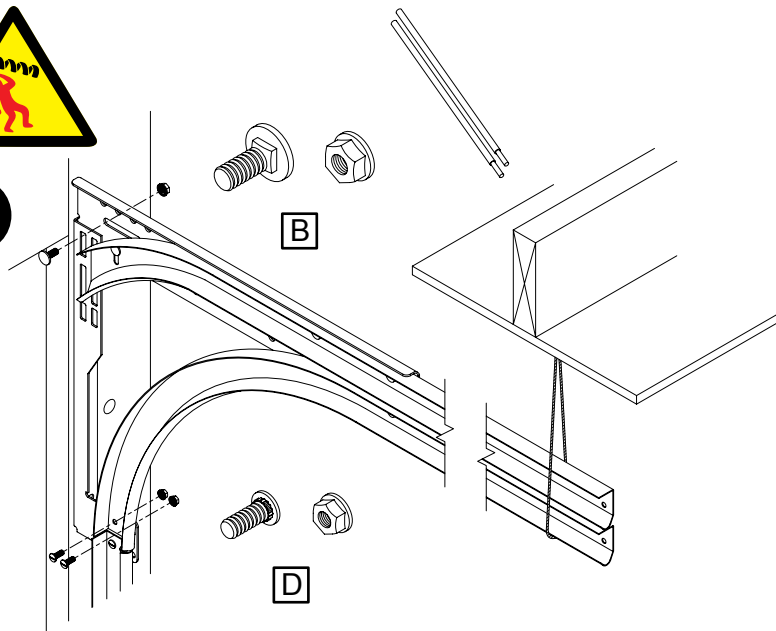
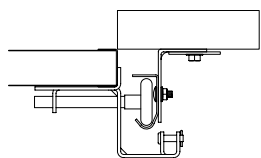
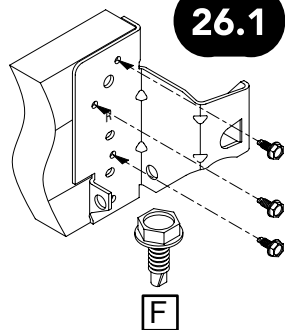
STOP! The installation of the Front, Low-headroom Torsion Spring is **COMPLETE!** Continue to page 32 for handle installation.

STEP 26:



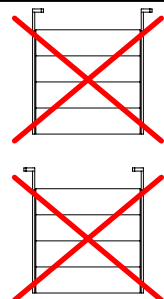
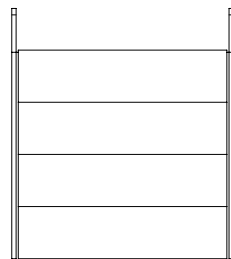
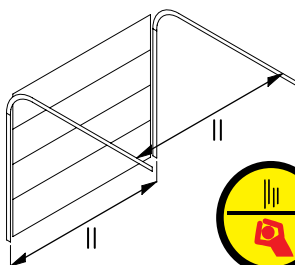
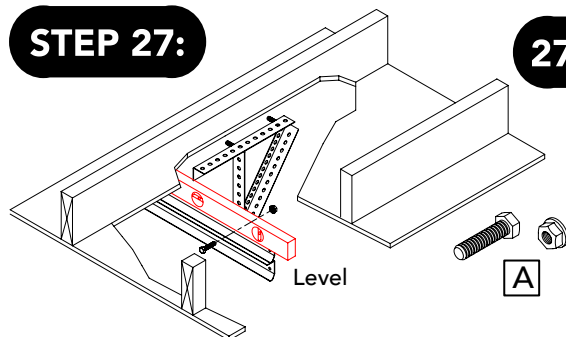
26.2

26.1

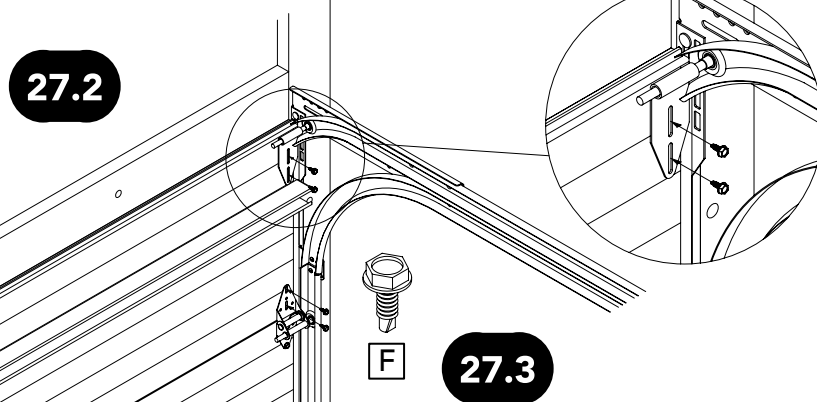
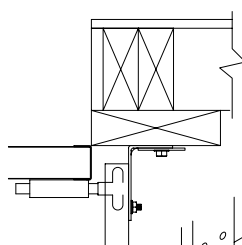
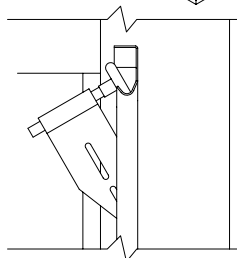


STEP 27:

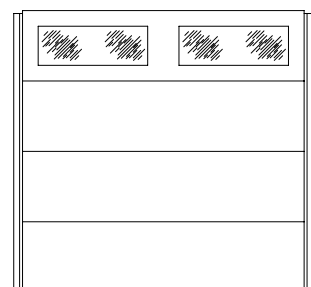
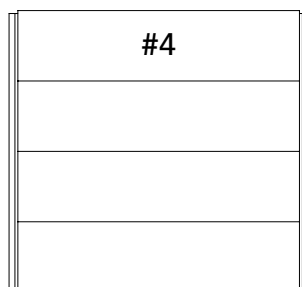
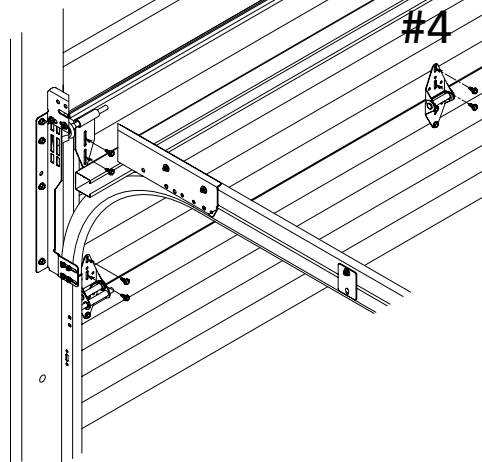
27.1



27.2

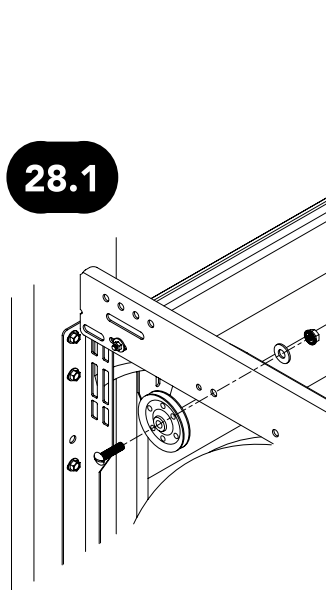


27.3

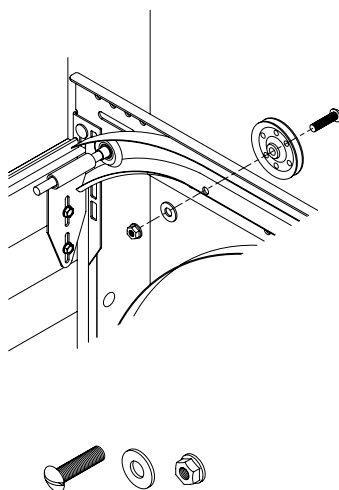


STEP 28:

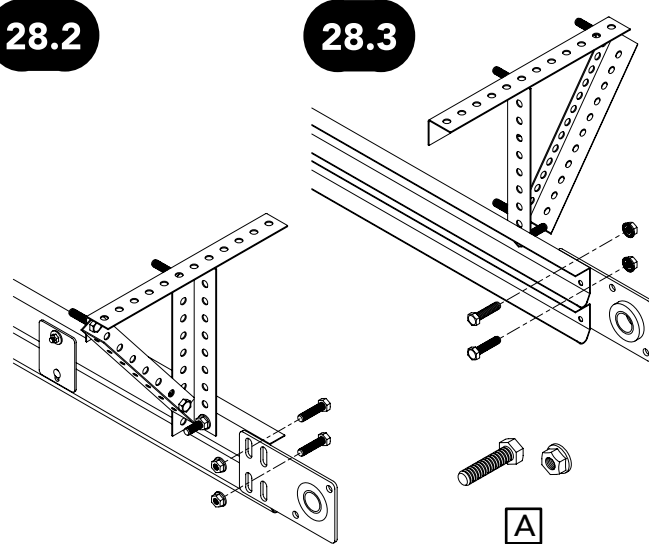
28.1



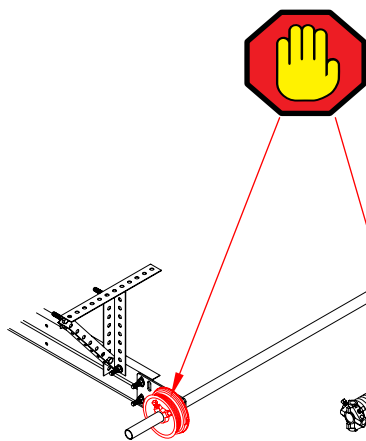
28.2



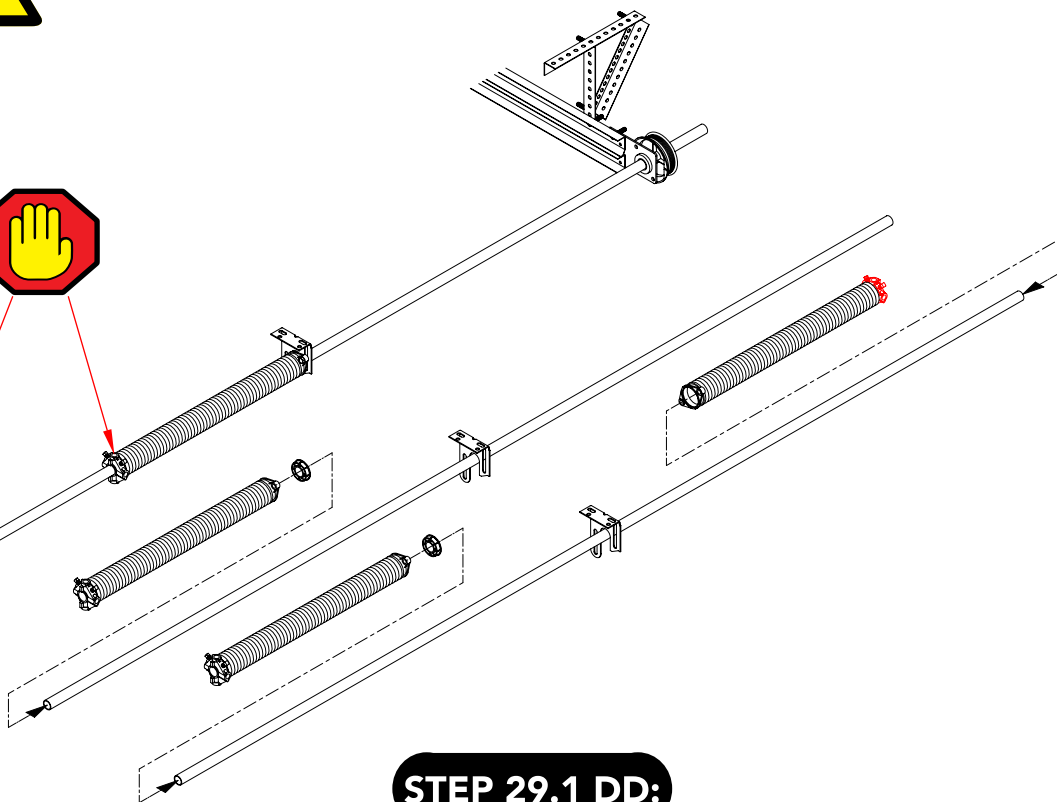
28.3



STEP 29:



STEP 29.1 SD:



STEP 29.1 DD:

STEP 30:

30.1

A

30.2

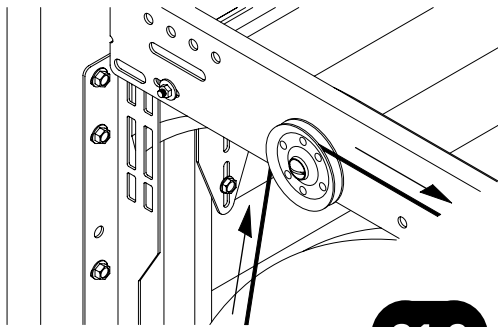
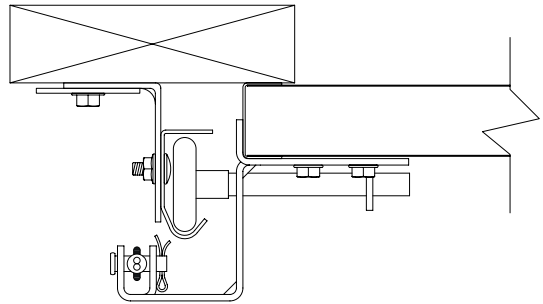
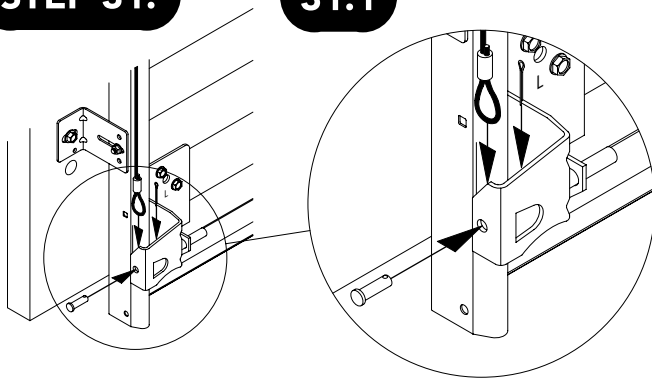
30.3

30.4

30.5

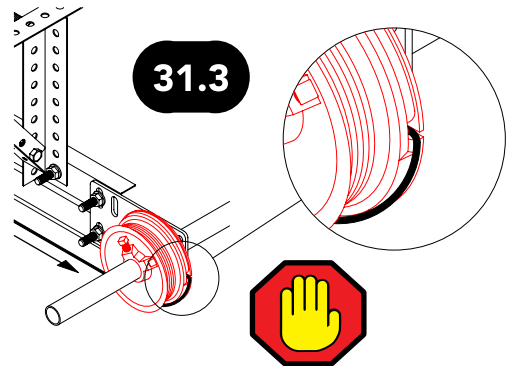
STEP 31:

31.1



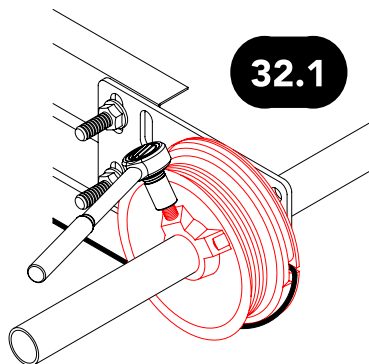
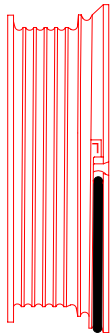
31.2

31.3

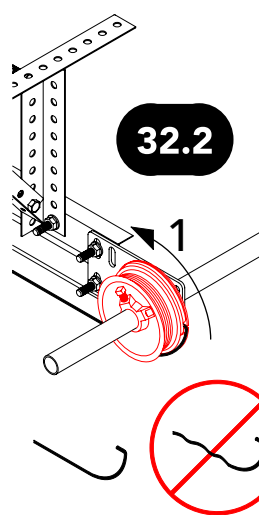


STEP 32:

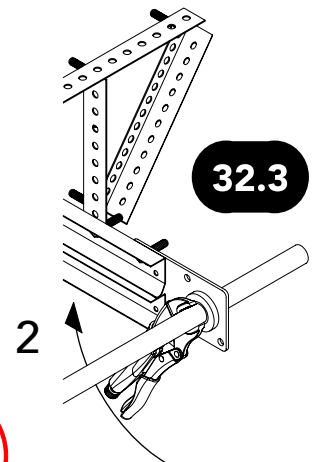
32.1



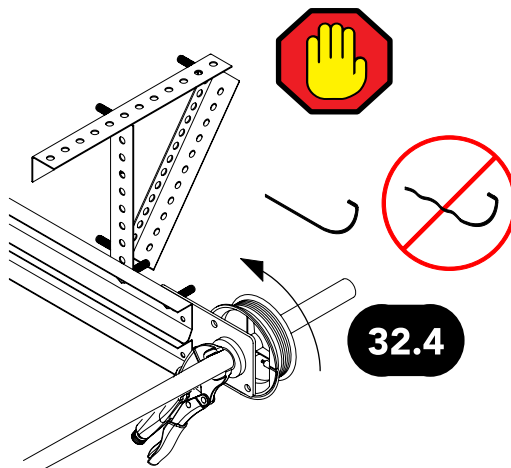
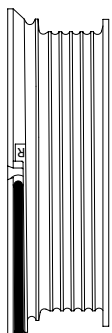
32.2



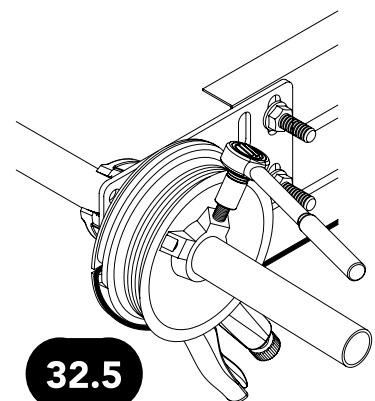
32.3



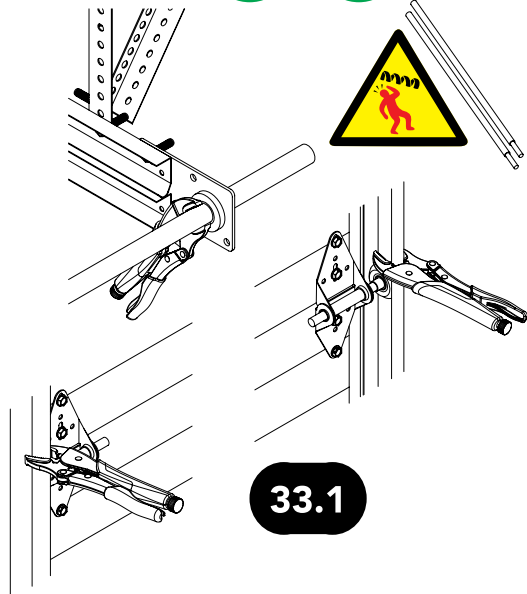
32.4



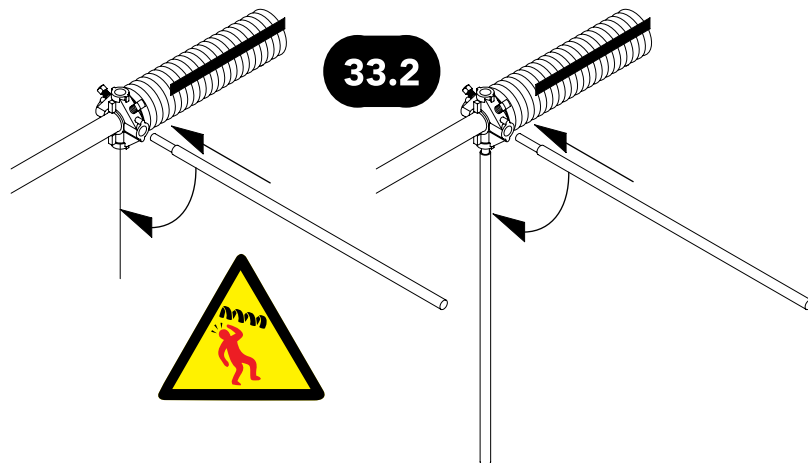
32.5



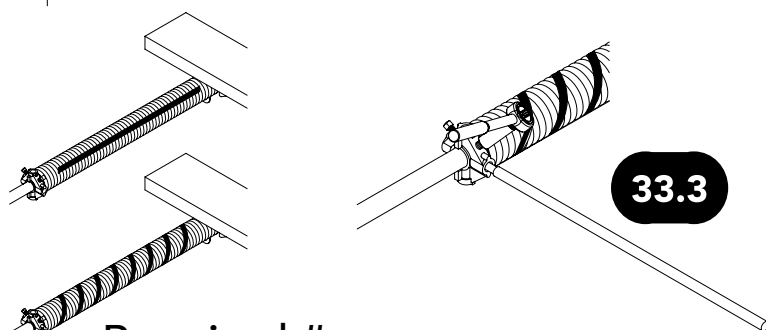
STEP 33:



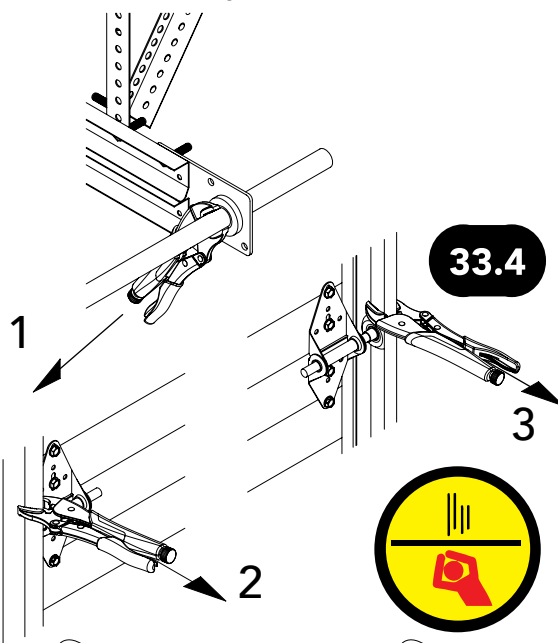
33.1



33.2

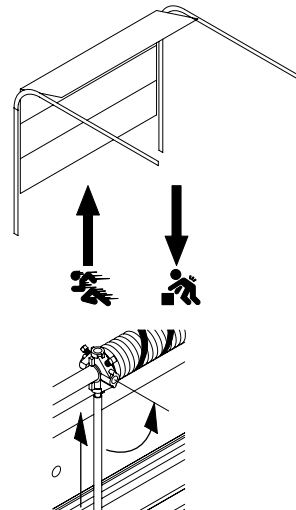
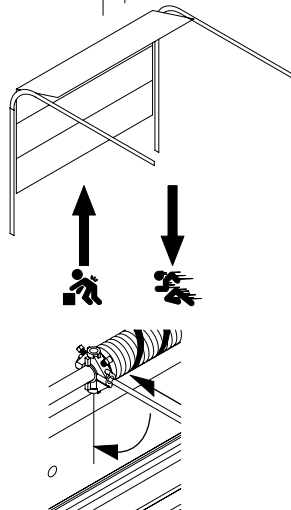
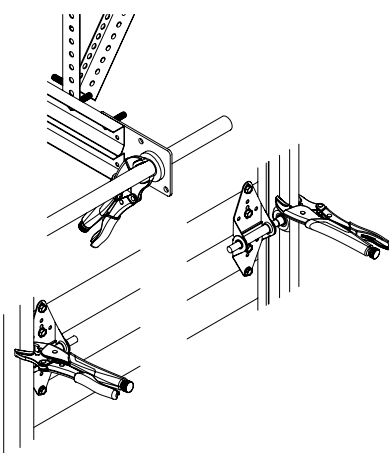
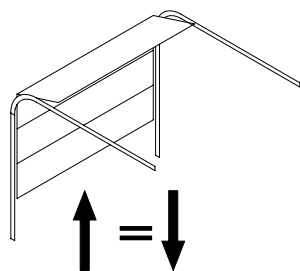


33.3



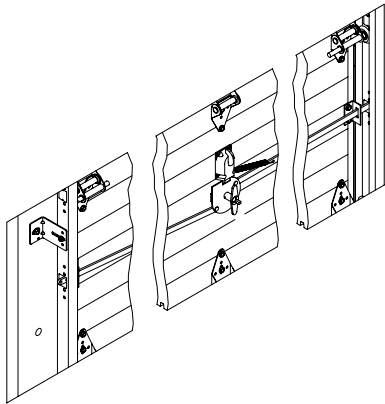
33.4

Required #
of Turns

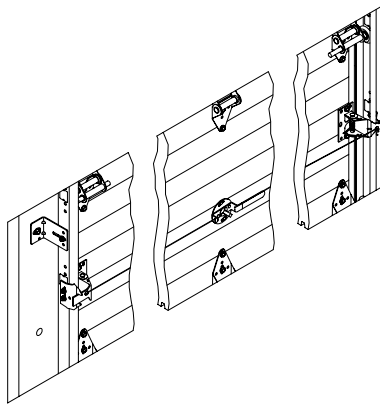


STOP! The installation of the Rear, Low-headroom Torsion Spring is COMPLETE! Continue to page 32 for handle installation.

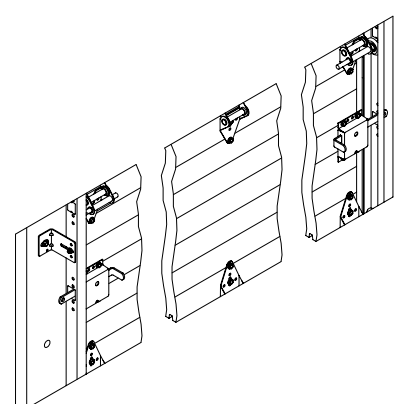
Keyed Cylinder Lock Kit:



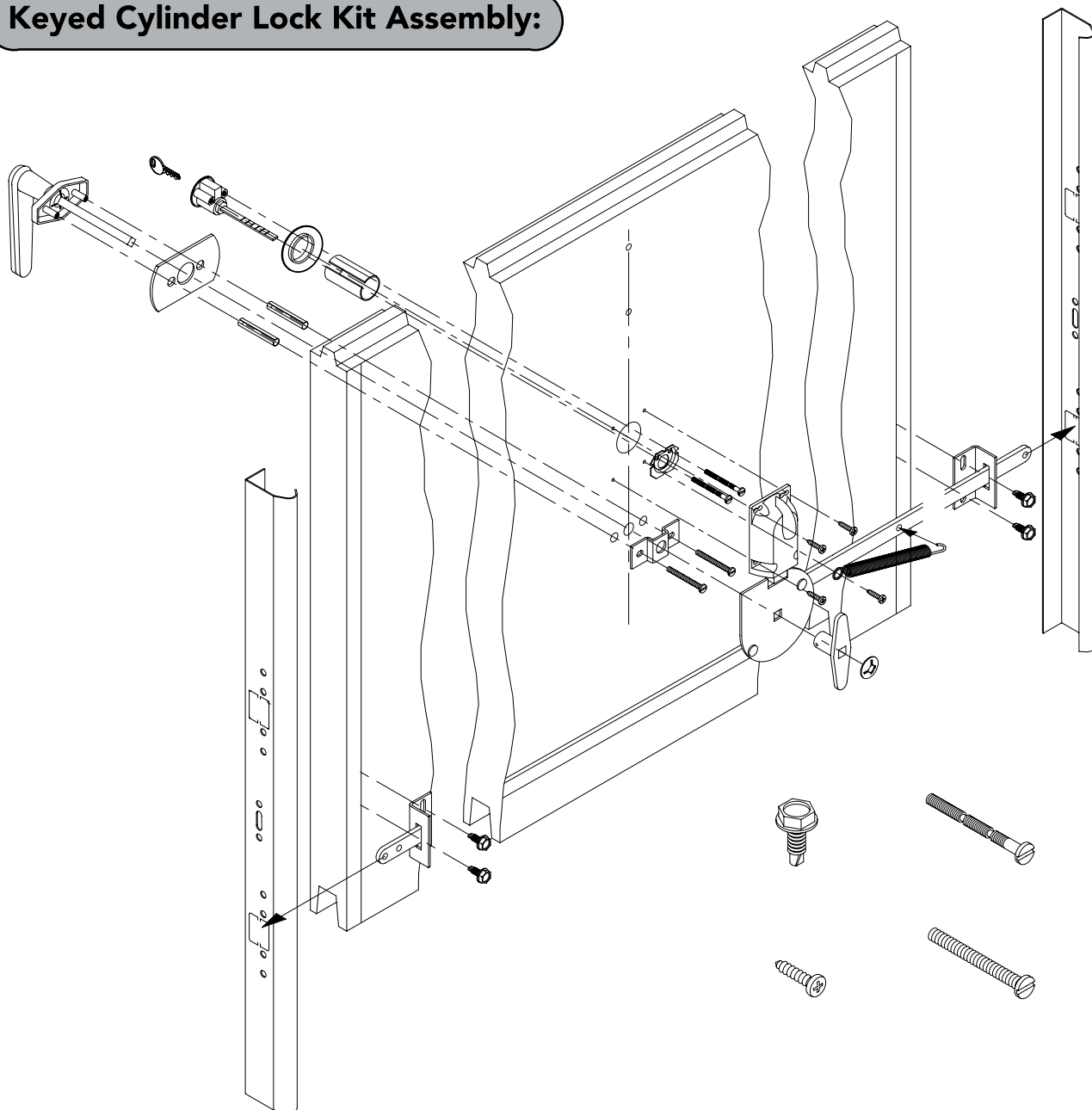
Snap Lock Kit:



Slide Lock Kit:



Keyed Cylinder Lock Kit Assembly:



Keyed Cylinder Lock Assembly Drilling Template:

1. USING THE TWO OUTER PRE-PUNCHED HOLES IN THE STILE, SHOWN AT THE BOTTOM OF THE TEMPLATE, AS A GUIDE DRILL TWO $\frac{3}{8}$ " HOLES THROUGH THE OUTER SKIN OF THE SECTION THAT THE KEYED CYLINDER LOCK IS TO BE MOUNTED. BE SURE TO DRILL THESE TWO HOLES STRAIGHT AND PLUMB SO THAT ALL THE HOLES WILL LINE UP PROPERLY.

2. USE THE TWO HOLES DRILLED IN STEP 1 AND THE CORRESPONDING HOLES IN THE TEMPLATE TO ALIGN PROPERLY. TAPE THE TEMPLATE TO THE OUTSIDE SKIN OF THE SECTION.

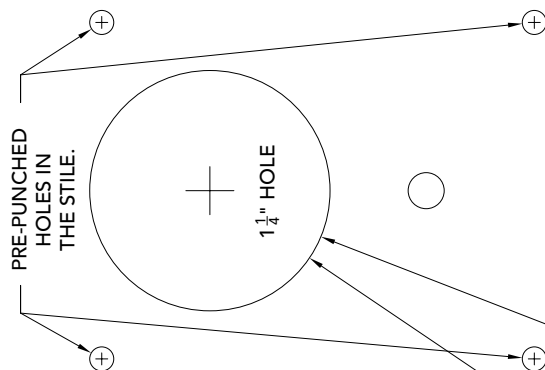
3. DRILL A $1\frac{1}{4}$ " HOLE THRU THE OUTER SKIN AT THE LOCATION INDICATED ON THE TEMPLATE.

6. DRILL THREE $\frac{1}{2}$ " HOLES THRU THE OUTER SKIN AT THE LOCATIONS INDICATED ON THE TEMPLATE.

3. KNOCK OUT THE $1\frac{1}{4}$ " PRE-PUNCHED PLUG LOCATED IN THE STILE.

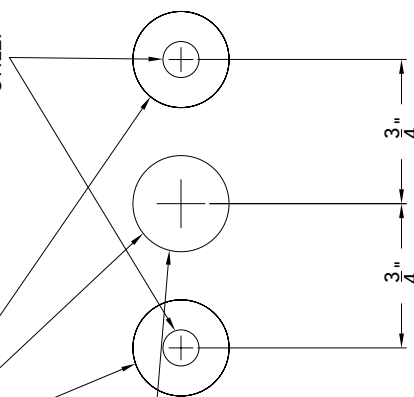
5. KNOCK OUT THE $\frac{1}{2}$ " PRE-PUNCHED PLUG LOCATED IN THE STILE.

PRE-PUNCHED HOLES IN THE STILE.



PAN SECTION

PRE-PUNCHED HOLES IN THE STILE.



1. TAPE THE TEMPLATE TO THE INSIDE SKIN OF THE SECTION THAT THE KEYED CYLINDER LOCK IS TO BE MOUNTED.

2. DRILL A $\frac{3}{16}$ " HOLE THRU THE ENTIRE SECTION AT THE SOLID DOT LOCATIONS SHOWN ON THE TEMPLATE.

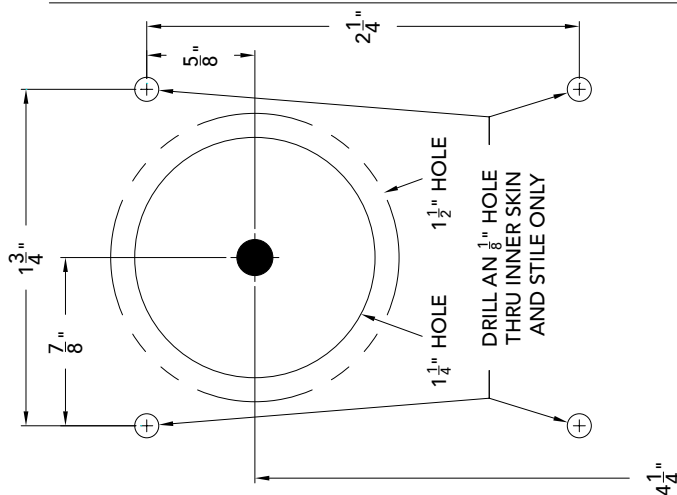
3. DRILL A $1\frac{1}{2}$ " HOLE THRU THE OUTER SKIN AND FOAM INSULATION USING THE PREVIOUSLY DRILLED $\frac{3}{16}$ " HOLE AS A PILOT.

DRILL A $1\frac{1}{4}$ " HOLE THRU THE INNER SKIN AND INTERNAL STILE ONLY USING THE PREVIOUSLY DRILLED $\frac{3}{16}$ " HOLE AS A PILOT.

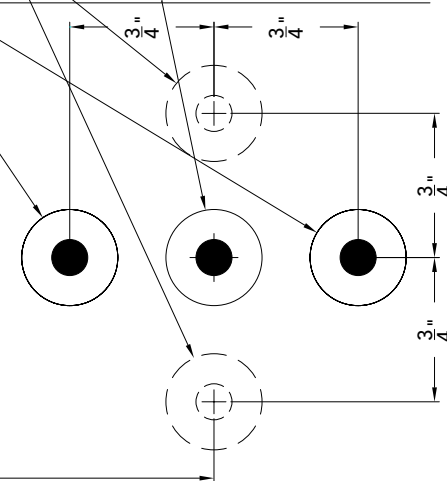
4. DRILL A $\frac{1}{2}$ " HOLE THRU OUTER SKIN AND FOAM INSULATION ONLY USING THE PREVIOUSLY DRILLED $\frac{3}{16}$ " HOLE.

OPTIONAL HOLE LOCATION.

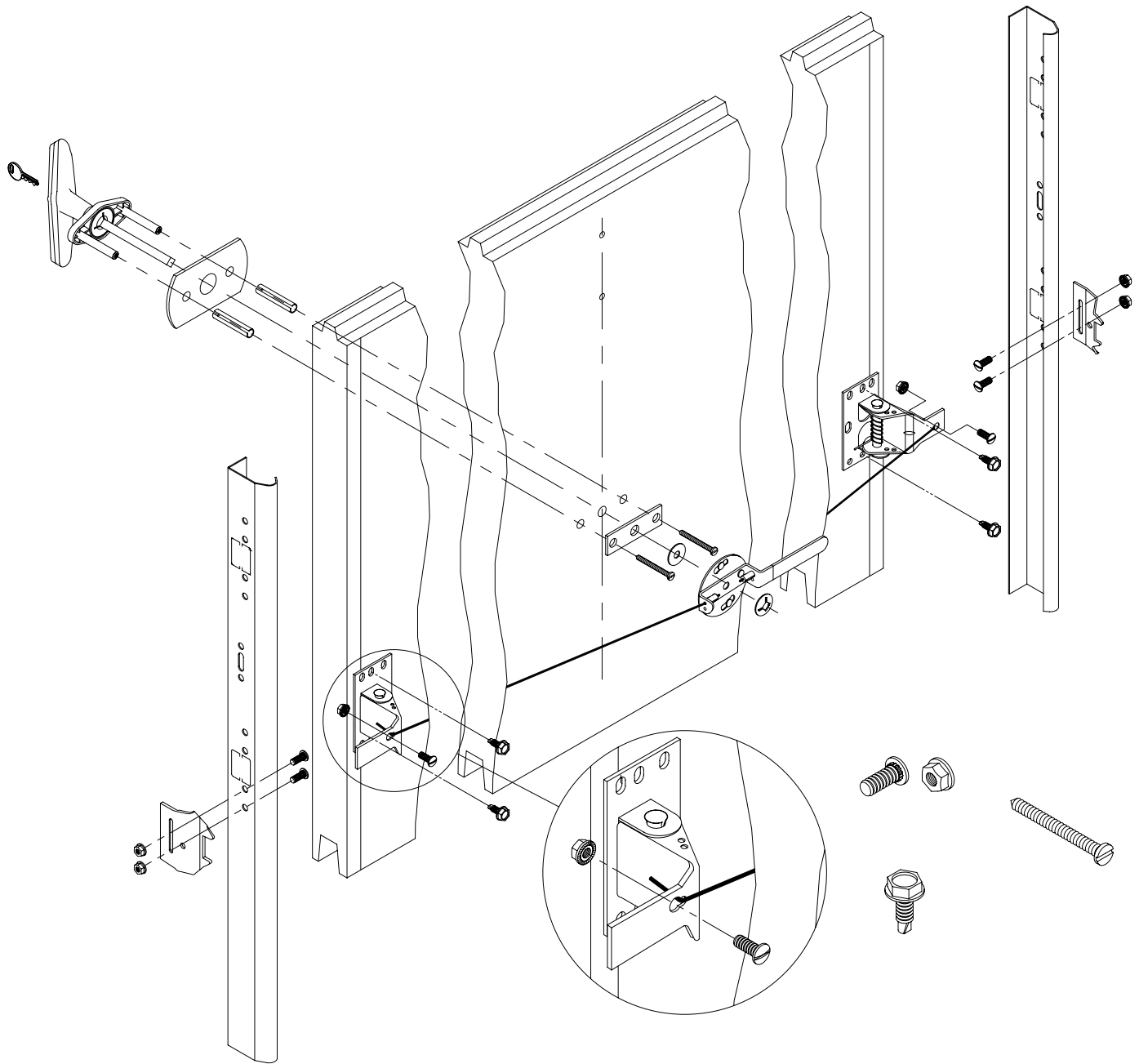
5. DRILL A $\frac{1}{2}$ " HOLE THRU THE ENTIRE PANEL USING THE PREVIOUSLY DRILLED $\frac{3}{16}$ " HOLE AS A PILOT.



HT SECTION

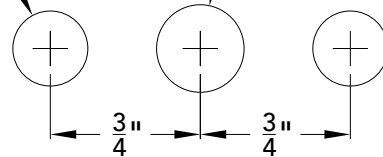


Snap Latch Kit Assembly & Template:



Ø $\frac{3}{8}$ " HOLE - THRU
(2 PLCS.)

Ø $\frac{7}{16}$ " HOLE - THRU

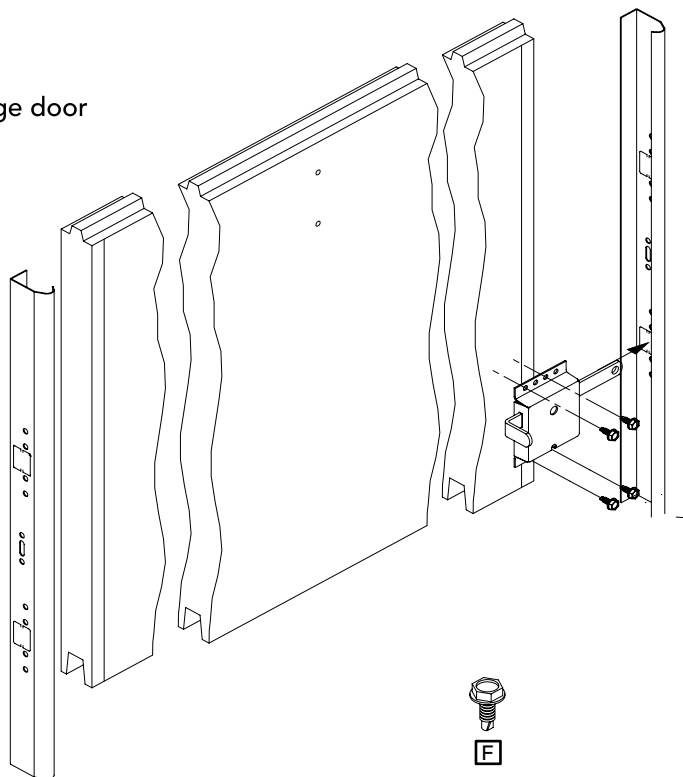


DRILL TEMPLATE

Slide Lock Kit Assembly:

Only one lock is needed for manual operation garage door
- left or right side.

A lock is not recommended with an operator.

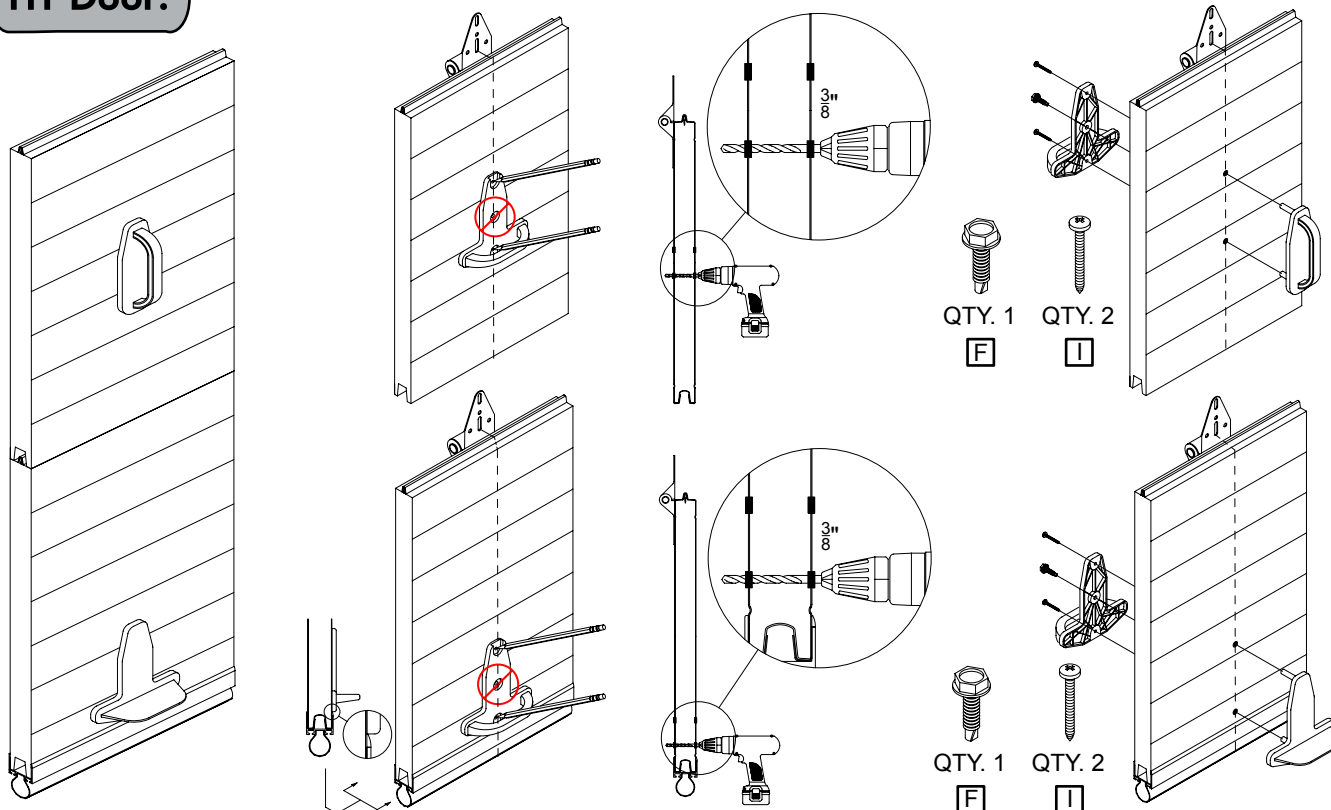


Lift Handle/Step Plate Installation Instructions:

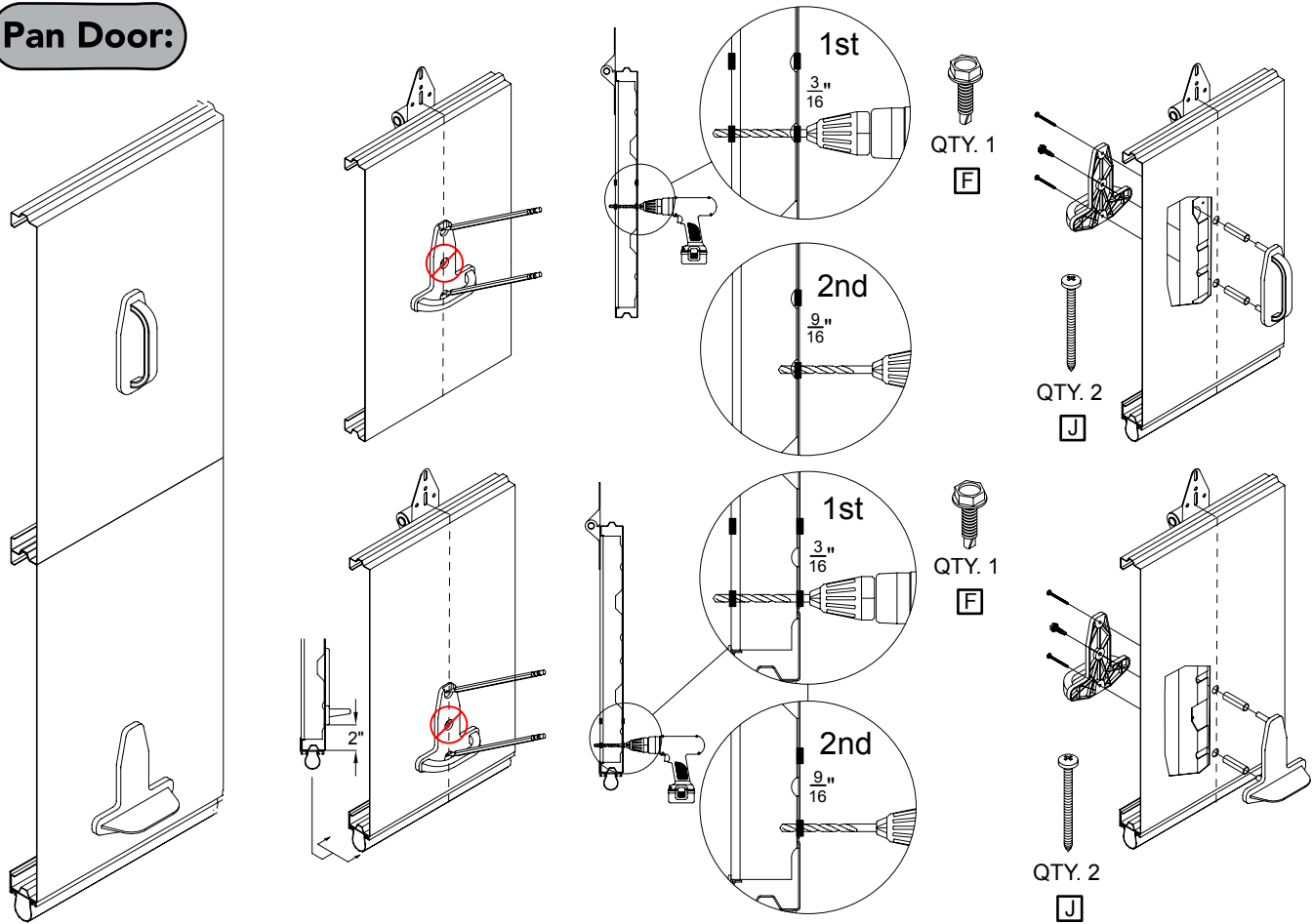


STOP: In accordance with industry standards, Haas Door recommends the installation of a lift handle to avoid injury if manual operation is required. Lift handles are a no-cost option. If you would like a handle, please fill out the form at www.haasdoor.com/handles, and we will send you one at no charge.

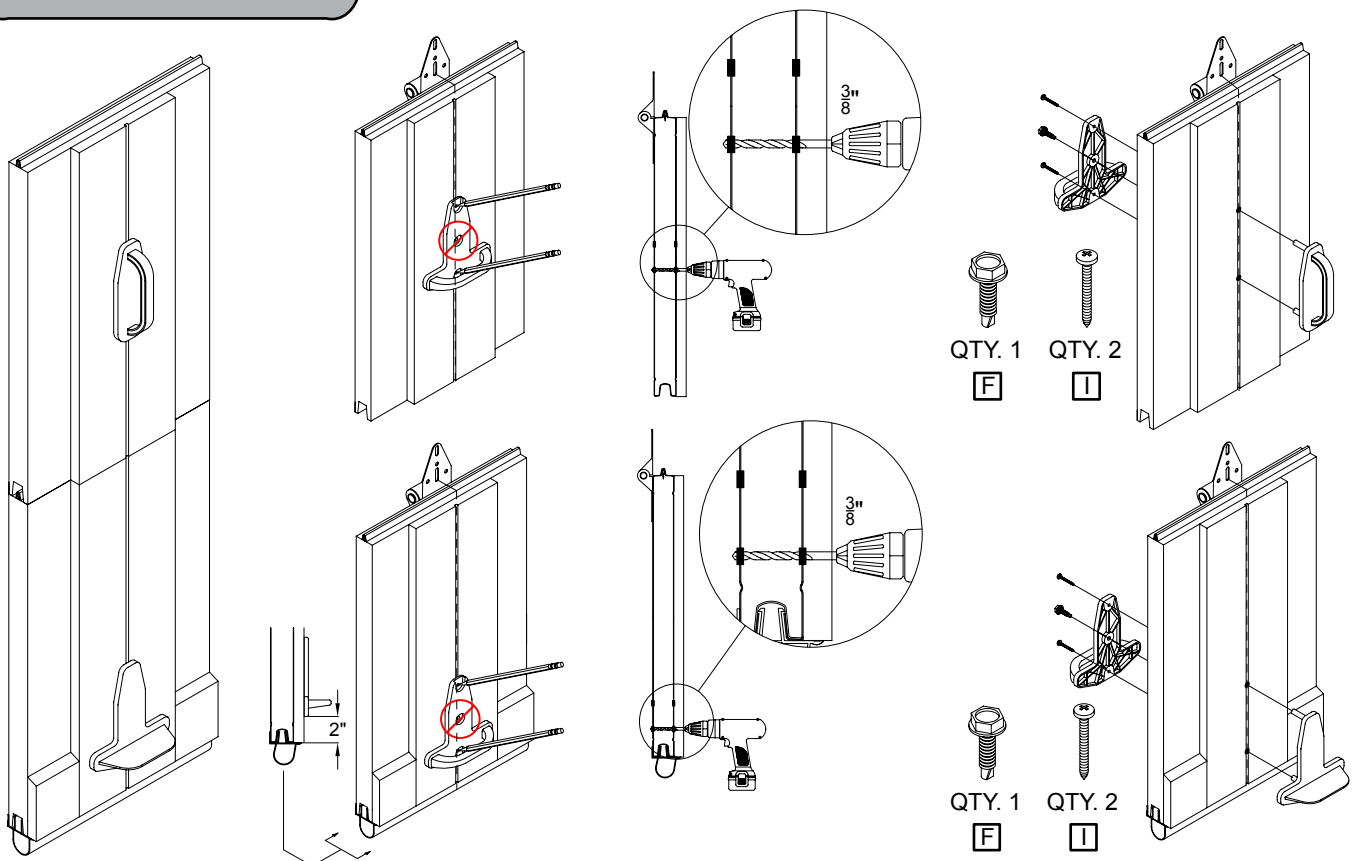
HT Door:



Pan Door:



American Tradition:

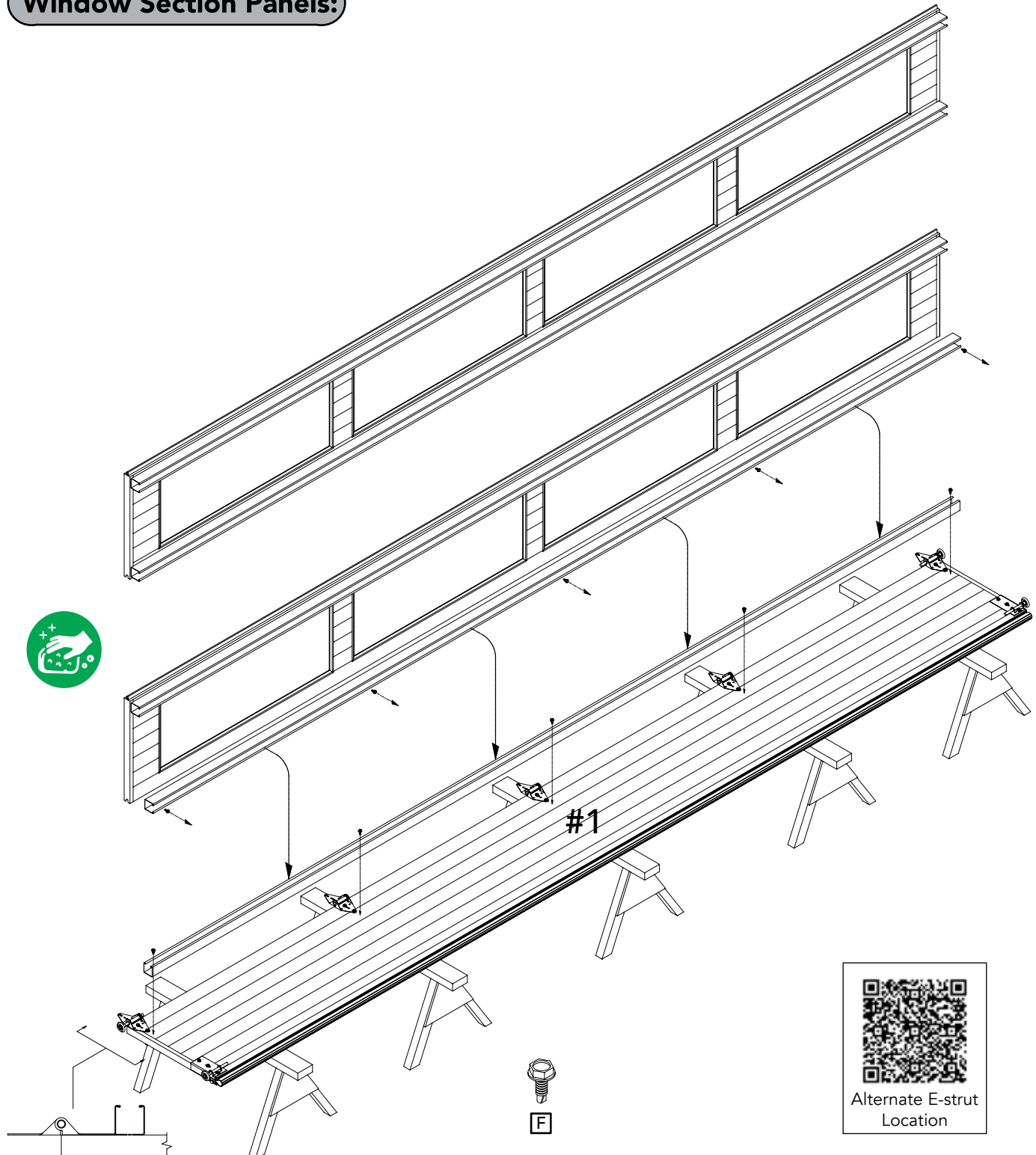




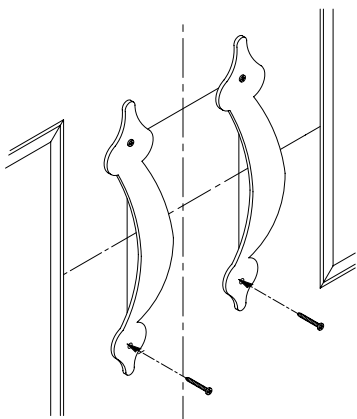
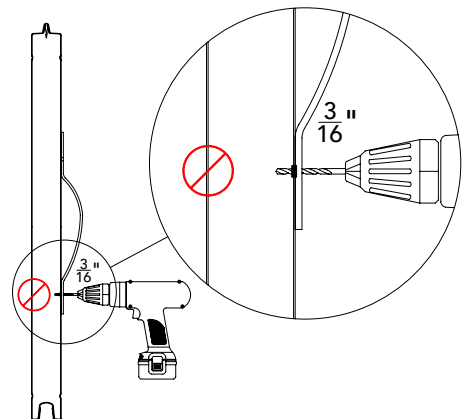
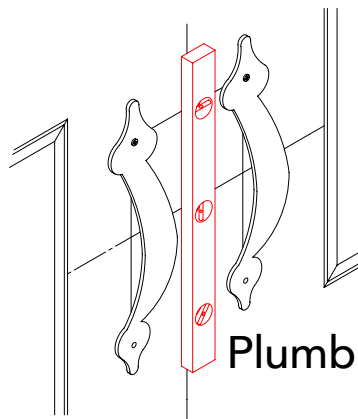
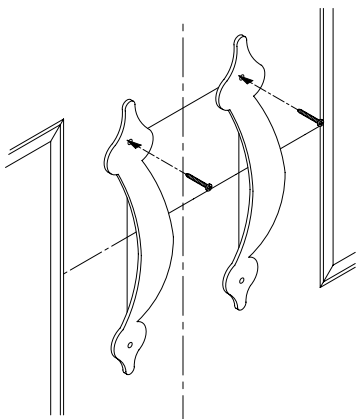
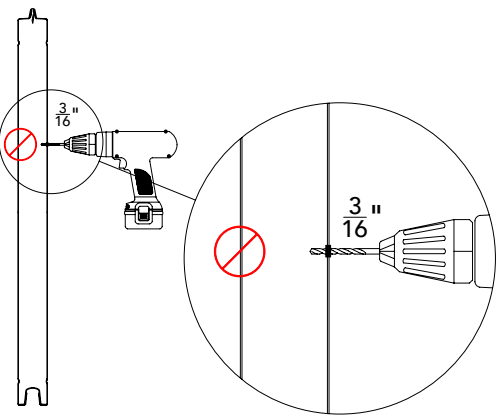
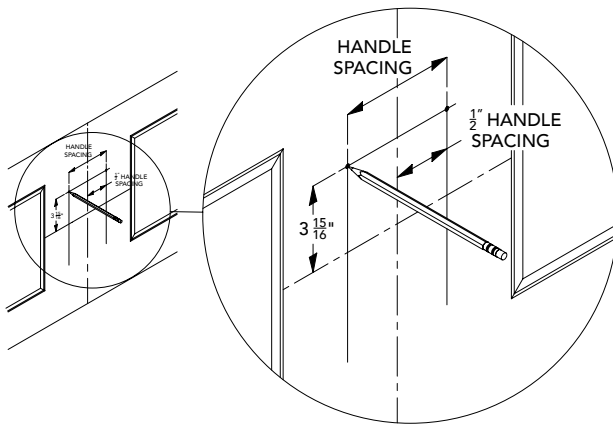
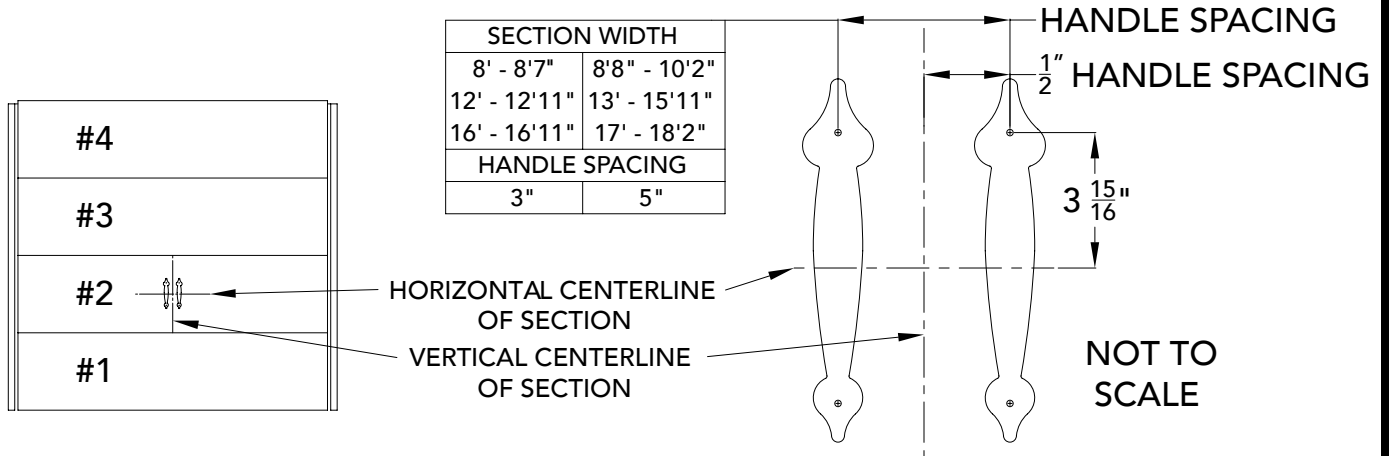
Supplemental and Decorative Hardware Installation Instructions

Models: 660, 661, 663, 664, 760, 761, 763, 764, 2060, 2061, 2063,
2064, 2460, 2461, 2560, and 2561

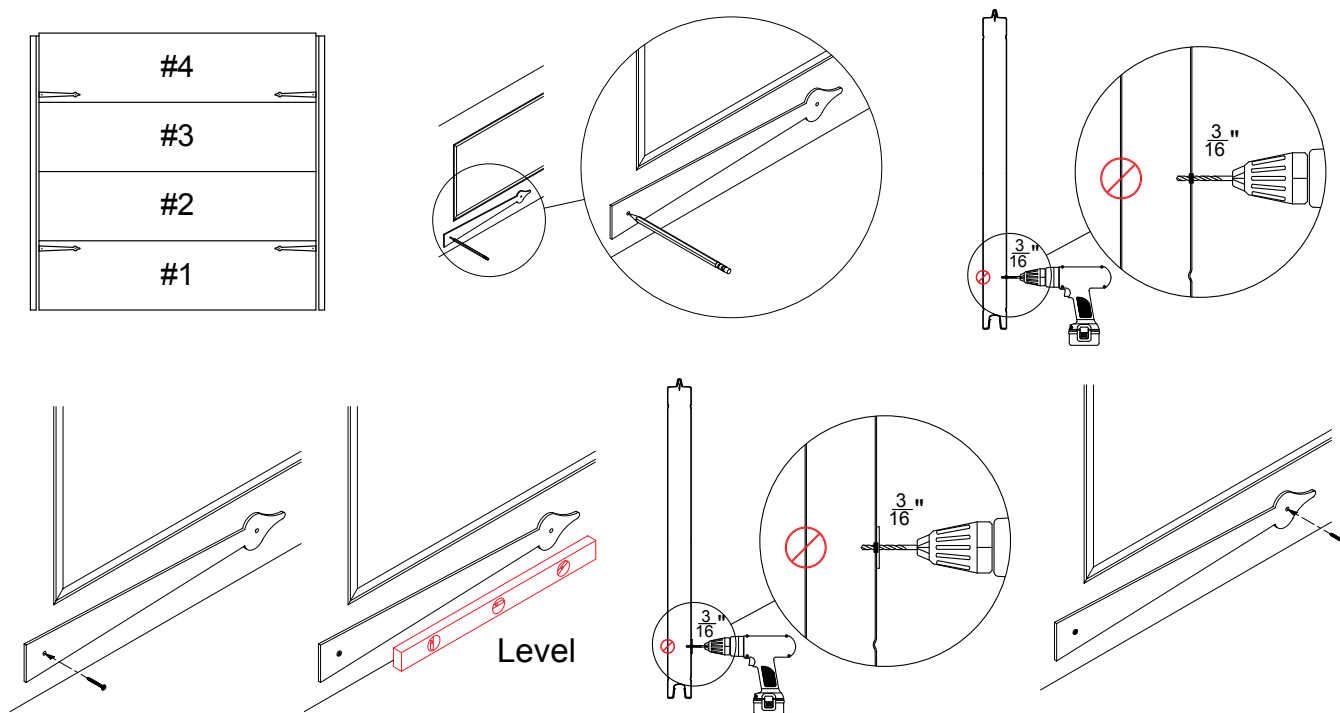
Window Section Panels:



Decorative Handle Positioning:



Optional Decorative Hinge Straps:



Frosted Glass Care:

To clean frosted (acid-etched) glass, simply follow a few important rules:

1. In most cases, acid-etched glass can be washed with plenty of clean water and a soft sponge or non-ammonia glass cleaner.
2. Do not wash acid-etched glass when it is fully exposed to the sun or a nearby heat source.
3. Never use aggressive cleaning materials such as razor blades, steel wool, abrasive, etc. to clean glass.
4. Always clean the full surface of the acid-etched glass using water or glass cleaner even if only one small area of the glass is dirty. Never do spot cleaning, because it might create halos on the glass.
5. Once cleaned, the glass should be rinsed with clean water and wiped off all over with a soft lint-free cotton cloth.
6. Use plenty of water to avoid scratching or damaging the surface of the glass. Never try to remove impurities with a dry and/or dirty cloth, as this may cause scratches on the glass surface by rubbing impurities on the glass.
7. During the whole cleaning process, never apply any excessive pressure as this may damage the acid-etched glass surface by polishing it too much.
8. Always use standard glass cleaners containing alcohol to clean the acid-etched glass.
9. If any stains still remain, repeat the cleaning sequence.
10. Never use products containing hydrofluoric acid, fluorine, chlorine or ammonia derivatives because they can damage the acid-etched surface of the glass. Never use highly acidic and alkaline products as they can abrade the glass surface.



American Traditions Series™

Supplemental Installation Instructions

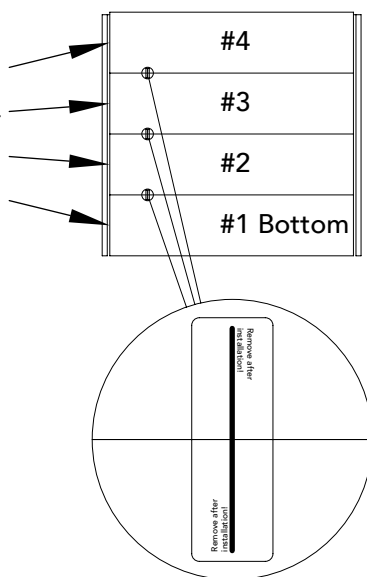
Strut Requirements:

Model	8', 9' & 10'	16' & 18'
American Tradition Series™	1 - 2" Struts on section 4	3 - 2" Struts on sections 1,2, & 4

Stacking Sections:



Order Number and section number are on the sides of the sections.



STOP! The sections for an American Tradition door are crafted for each specific door. The first seven numbers in the order number located on the side of the door sections must match. The first six are the order number and the seventh number is the line item number.

Use the alignment sticker on the inside skin of each section to ensure the sections are stacked in the correct sequence. Check the visual aesthetic from the outside of the door.

To assist in section alignment, it is recommended that a 3/16" TEK screw pilot hole be drilled through the inside section skin by using the slots in the top half of the hinge as a template. Center the pilot holes in the hinge slots. Following door installation, use hinge shims provided to flush door overlay where needed.

Cleaning:

Dirt, loose chalk, and mildew must be removed to maintain a desired appearance. Clean mild build-up with a damp cloth. Heavier dirt accumulations may be addressed by the use of a diluted solution of Spic and Span® (1 cup into 5 gallons of warm water). Always rinse the surface thoroughly to remove any of the cleaning agents afterwards.



STOP! DO NOT USE A POWER WASHER. Using extreme water pressure to wash or rinse any parts of the door will void the door's warranty.



Painting:

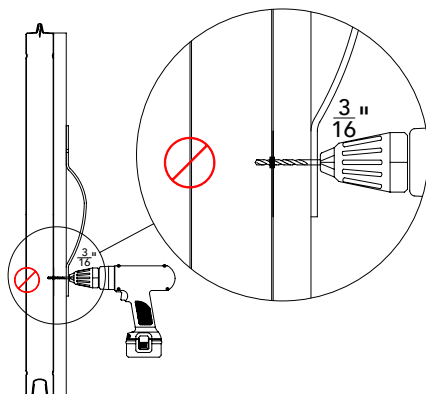
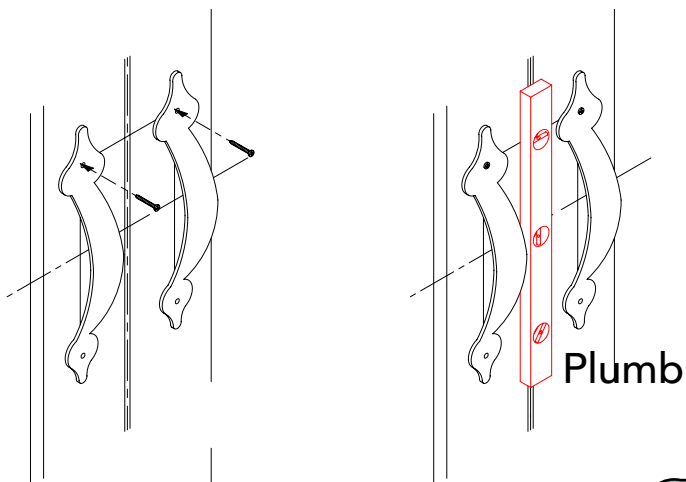
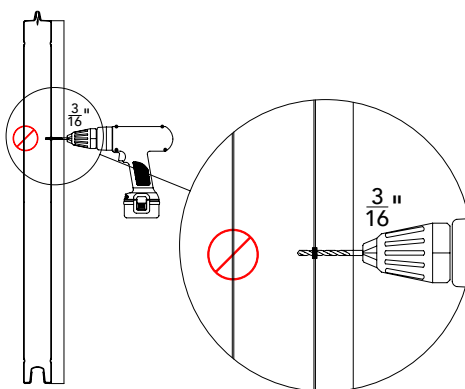
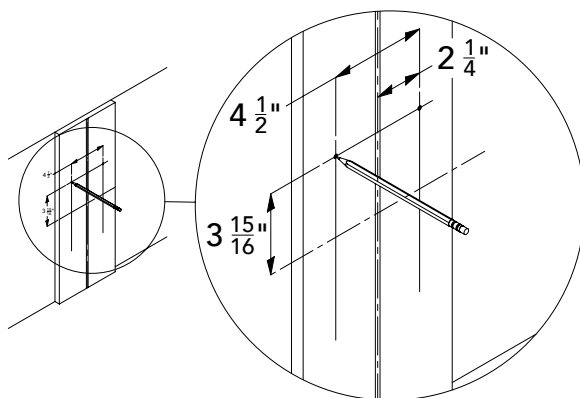
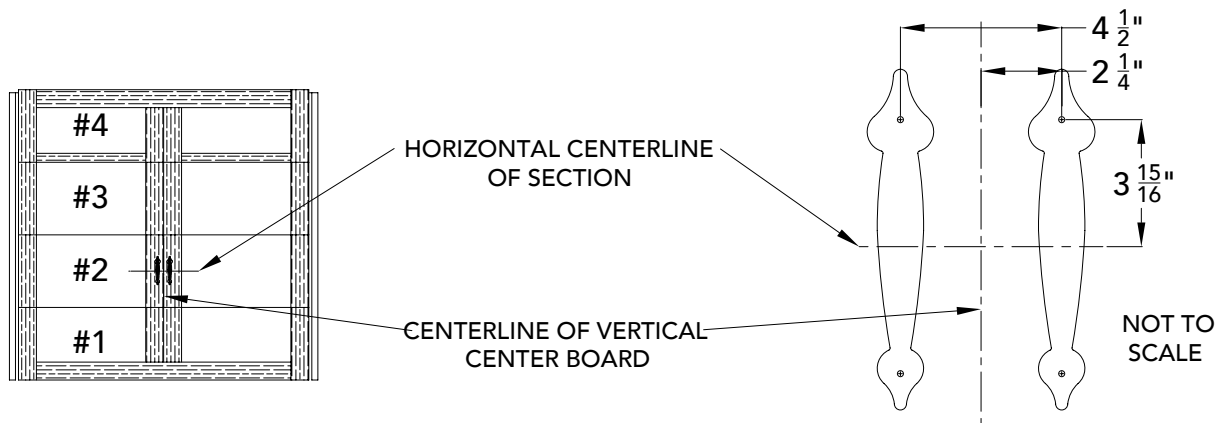
Any garage door surface to be painted, including the overlay pieces, must be properly prepared to assure the continued performance of the coating system. See painting on page 39.



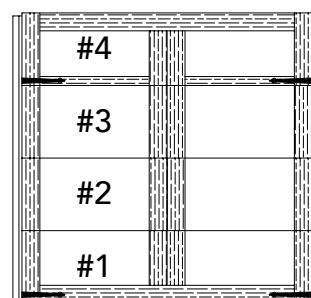
STOP! USE ONLY HIGH QUALITY LATEX EXTERIOR HOUSE PAINT. Use of paints containing linseed oil, lacquer, or alkyd base solvents voids the warranty of this door. Refer to door installation manual for painting instructions. **DO NOT PAINT THE DOOR OVERLAY DARK COLORS.** Failure to follow these specifications will void the door's warranty. Dark colors absorb excessive amounts of heat from the sun. This can result in higher than designed surface temperatures, causing the adhesive system to fail or the overlay pieces to warp. Do not paint the steel section or the overlay with a paint that has a LRV (Light Reflective Value) of less than 35.



American Tradition Series™ Decorative Door Lift Handle Instructions:



Optional Decorative Hinge Straps:



Painting:

Any garage door surface to be repainted must be properly prepared to assure the continued performance of the coating system. The following instructions must be followed to ensure proper repainting results.

1. Dirt, loose chalk, and mildew must be removed prior to repainting. Heavier dirt accumulations must be addressed prior to repainting by the use of a diluted solution of Spic and Span® (1 cup into 5 gallons of warm water). Always rinse the surface thoroughly to remove any of the cleaning agents.
2. Minor scratches, which have not left the metal substrate exposed, can be lightly sanded or buffed to create a smoother surface. Care must be taken, however, not to expose the substrate. Once this exposed metal condition exists, the likelihood of rusting is greatly increased. Should the metal substrate be observed during this operation, see the following paragraph. (Do not use steel wool.)
3. Exposed metal must be treated to prevent rust from forming. To do so, sand the general area lightly and use a primer specifically designed to protect any exposed galvanized steel metal from corrosion. Allow sufficient time for the primer to dry before applying the topcoat. If either red or white rust is evident, scrape or brush away as much rust as possible and then sand lightly, removing ALL rust before priming. Care must be taken, however, not to destroy the galvanized surface.
4. After the door has been properly prepared, it must be coated within 24 hours using high-quality latex exterior house paint. The surface must be completely dry prior to painting. Painting should not be done in the early morning. Avoid painting at temperatures below 50° F. Follow the paint manufacturer's recommendations to apply a uniform coat at the proper thickness.



STOP! CAUTION: Use of paints containing linseed oil, lacquer, or alkyd base solvents voids the warranty of this door.

Maintenance:

Routine maintenance performed once annually will help assure long-lasting, quiet, trouble-free operation of your Haas Door sectional door.

Visual Inspection

Look at the garage door springs, cables, rollers, pulleys and other door hardware. If you suspect problems, have a qualified person make repairs. Do not attempt to replace door hardware yourself.



WARNING! Springs are under high tension. Only qualified persons should adjust them.

Squeaky Springs

Squeaky springs don't necessarily mean something is wrong. Try applying a spray-on lubricant to reduce the noise. If this doesn't work, call a professional garage door installer for service.

Lubricate

Lubrication should be done with silicone grease. Lubricate all moving parts of the door including hinges, springs, steel rollers and lift cables. However, do not lubricate plastic parts such as plastic rollers.

Cleaning

Dirt and mildew must be removed to maintain the desired appearance. Use a mild household cleaner and wipe down the surface of the door. Rinse surface thoroughly to remove any cleaning agent.

Replacement Parts:

To obtain replacement parts for your Haas Door garage door, such as the bottom seal, hinges, springs, sections, and glass, contact your Haas Door dealer, whom will often have items in stock to assist you. To find a dealer near you, see the front cover of this installation manual, reference the label on the side of the section, or visit our dealer locator found on haasdoor.com.

As a member of the Door and Access Systems Manufacturers Association (DASMA), Haas Door is committed to upholding industry standards for quality and safety. In addition to these guidelines, Haas Door has developed its own quality assurance procedures.

Samples of manufactured doors are tested for quality and durability. Doors are cycled tens of thousands of times to test the performance and endurance of the sections, hinges, springs, cables, rollers, bottom seals, and track. Strength is measured using two separate tests. Individual sections are subjected to a dead load test, and complete doors are wind load tested. This ensures that Haas Door garage doors will meet wind load requirements for building codes across the world.

Quality people and quality products are what make Haas Door the best garage door manufacturer in the industry.

The Haas Door label contains extensive information about your door and provides links to even more data specific to your purchase. To access this data, you can scan the QR code on the door label with your smartphone, or you can visit i.haasdoor.com/doorfinder to enter the serial number provided. Both methods will give you information such as the type of door, color, weight, order number, configuration, and technical drawings of the door.

