



## Wood Frame Adapter Kit

use with **WOOD** Posts & Rails



## Tools and Materials Needed

- Mitre saw (recommended) or hacksaw with non-ferrous metal cutting blade
- Level
- Measuring tape
- Drill
- Drill bits for wood: 7/64", 5/32"
- Square #2, #3 driver bits
- Dish soap (for 18" - 66" glass panels)
- Non-corrosive exterior silicone caulking
- 2x4 Rails (SPF No. 2)
- 4x4 Posts (SPF No. 2)
- #8 x 1-1/2" deck screws
- #8 x 3" deck screws
- Fasteners for post anchoring

## Fasteners Supplied



1-1/2" Flat head screw



2" Flat head screw



1-1/2" Pan head screw

See our helpful installation videos on our website: [peakproducts.com](http://peakproducts.com)

Dear Customer,


We'd like to take a moment to say "thank you and congratulations" for choosing our products. At Peak® your satisfaction is very important to us. That is why we work very hard to provide you with products of exceptional quality, value, and beauty. And that is also why we want to hear from you.

Please contact us with your comments or suggestions at: [cservice@peakproducts.com](mailto:cservice@peakproducts.com)

Finally, we'd like to remind you to always work safely. Then, take pride, relax with your family and experience years of enjoyment with Peak® products.

The Peak Group of Companies

## IMPORTANT INFORMATION

- Before beginning work, read this installation guide in its entirety including all warnings and important information.
- Throughout this installation guide, this symbol indicates important information: 
- This installation guide is updated occasionally. Please refer to the latest version at [peakproducts.com/en-ca/railblazers-wood-frame-adapter-kit/installation/](http://peakproducts.com/en-ca/railblazers-wood-frame-adapter-kit/installation/)
- Maximum post spacing for Residential\* use on decks: 6' 0"  
\*Guards within dwelling units and exterior guards serving not more than two dwelling units.
- Peak® RailBlazers® Wood Frame Adapter Kit is designed for Residential<sup>1</sup> use only, and not for any commercial use.  
<sup>1</sup> Guards within dwelling units and exterior guards serving not more than two dwelling units.
- For multi-residential construction, please call Peak Customer Service at 1-877-883-PEAK (7325) or email: [cservice@peakproducts.com](mailto:cservice@peakproducts.com)
- Always understand and comply with your local building codes.\*  
\*Conditions apply. For details visit: [railblazers.ca/compliance/](http://railblazers.ca/compliance/)
- To prevent wood splitting and rot, drill pilot holes and coat fastener screw threads with non-corrosive exterior silicone caulking.
- Ensure that the opening between each of the following is less than 3-15/16":
  - pickets
  - pickets and posts
  - pickets and walls
  - pickets and glass panels
  - glass panels
  - glass panels and posts
  - glass panels and walls
  - base rail and deck surface

## ANCHORING

Consult your local building code for acceptable wood post and rail anchoring solutions.

**⚠WARNING** No representation or warranty is given that your particular application of these products complies with relevant building codes or that the fasteners provided or used are appropriate for your application. Consult with professionals and local building officials before beginning work: (i) to ensure compliance with relevant building codes for your application and for your proposed use of fasteners; (ii) to ensure the integrity of the structural components in connection with which these products are to be used; (iii) to identify appropriate safety gear that is to be used during installation such as a safety harness when working above ground; (iv) to ensure that the work area is free from utilities, services and hazards; and (v) to clarify any instructions or warnings that may not be clear. Work in a safe manner wearing protective gear such as gloves, eyewear, headwear, footwear and clothing. When using tools comply with operation manuals and instructions. Metal and glass may have sharp edges and could fragment or splinter during or as a result of handling or cutting. Do not use these products in connection with any substance that is or may be harmful or corrosive to the products. Inspect and maintain these products and the structural components that they are used in connection with on a regular basis, using professionals when appropriate. Obtain professional advice for any non-standard or non-residential application.

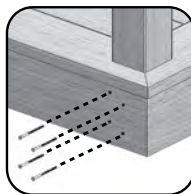
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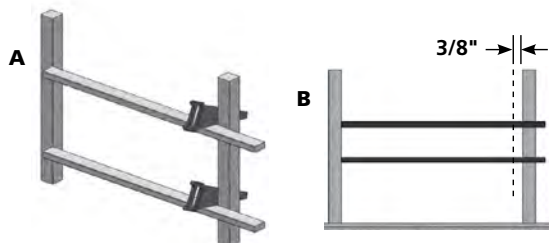
# PICKET INSTALLATION

Before starting this installation, read all warnings and important information.

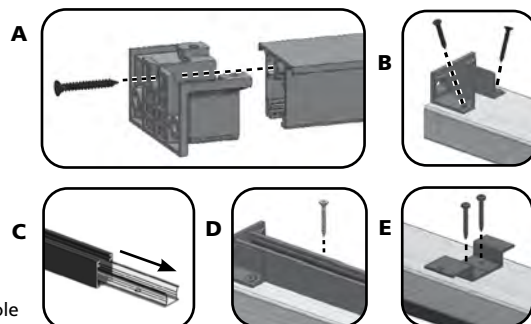
- 1 Measure and mark the position of all posts and space equally.
  - ⚠ Maximum post spacing of 6' for Residential\* use.  
\*Guards within dwelling units and exterior guards serving not more than two dwelling units.
 Put the first post in position and fasten. Ensure that the post is plumb.
  - ⚠ To prevent wood rot, coat fastener screw threads with non-corrosive exterior silicon caulking.



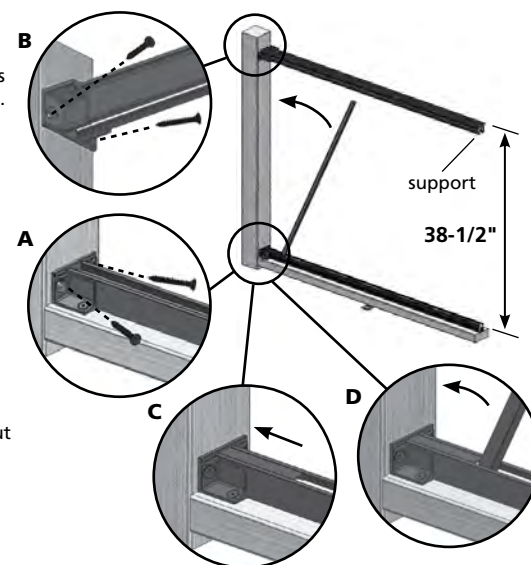
- 2 Temporarily position the second post but do NOT secure it yet.
  - A: Cut the wood rails to fit between the posts.
  - B: Cut the handrail, base rail and plastic picket gaskets  $\frac{3}{8}$ " shorter than the distance between the posts.



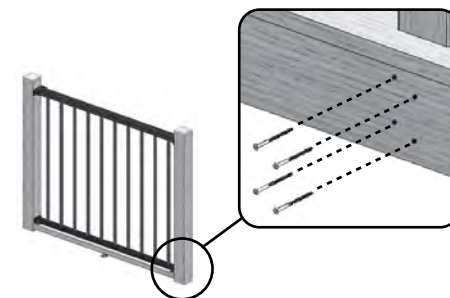
- 3
  - A: Fasten a handrail bracket on one end of the handrail using a 1-1/2" flat head screw.
  - B: Fasten one base rail bracket to the bottom wood rail using two 1-1/2" flat head screws.
  - C: Slide the plastic picket gasket out of the base rail.
  - D: Fasten the base rail to the bottom wood rail using #8 x 1-1/2" deck screws (not provided). Slide the plastic picket gasket back into the base rail.
  - ⚠ Ensure screws are no more than 16" apart.
  - E: Secure the base rail support to the centre of the underside of the bottom wood rail using two 1-1/2" pan head screws.
  - ⚠ Position base rail support with long side extending past the deck-facing side of the bottom wood rail. This is to ensure the screw hole is accessible later to fasten it to the deck surface.
  - ⚠ To ensure that the pickets remain engaged in the rails, you must install one base rail support for each railing section.



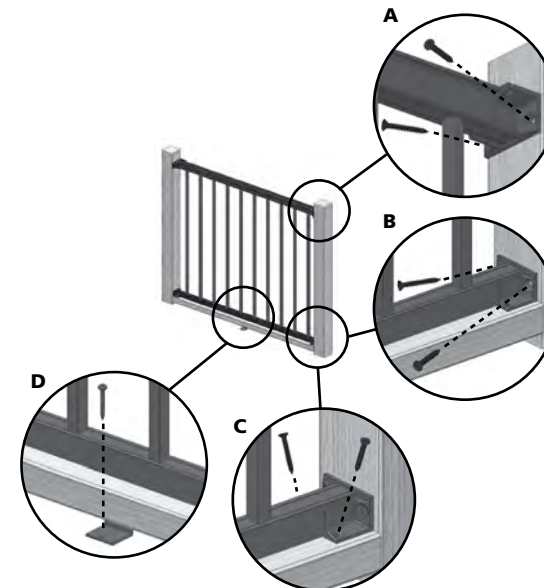
- 4
  - A: Position and level base rail. Drill 5/32" pilot holes and secure to post using two 2" flat head screws.
  - B: Position the handrail with the top 38-1/2" from the bottom wood rail. Drill 5/32" pilot holes and secure the handrail bracket to the post using two 2" flat head screws.
  - ⚠ Support the handrail until all pickets are installed.
  - C: Slide the first spacer in each rail against the first post.
  - D: Insert a picket into the base rail and swing the top of the picket into the handrail. Repeat until all pickets and spacers are installed.
  - E: Cut the last spacers flush with the ends of the rails.
  - ⚠ To ensure equal picket spacing at each post, cut the first and the last spacers in the hand and base rails to equal lengths.
  - ⚠ The opening between pickets and between a picket and a post must not exceed 3-15/16".



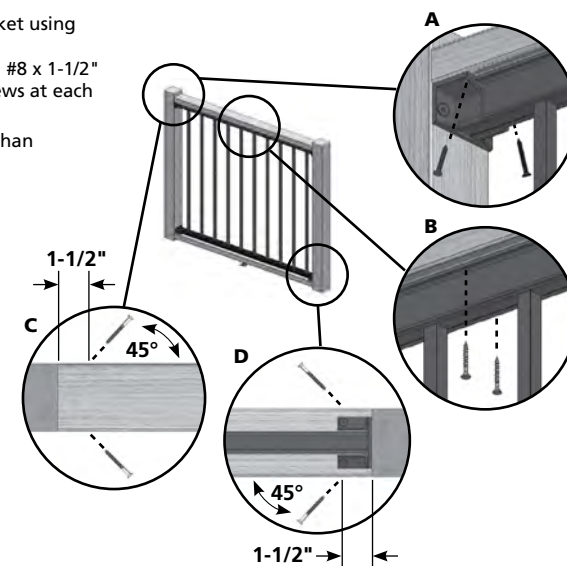
- 5 Position and fasten second post in place, ensuring that the post is plumb.



- 6
  - A: Drill 5/32" pilot holes, then position and secure the handrail bracket to the post using two 2" flat head screws. Ensure the top of the handrail is 38-1/2" above the bottom wood rail.
  - B: Drill 5/32" pilot holes, then position and secure the base rail bracket to the post using two 2" flat head screws.
  - C: Fasten the base rail bracket to bottom wood rail using two 1-1/2" flat head screws.
  - D: Fasten the base rail support to the deck surface using one 1-1/2" pan head screw.
  - ⚠ To ensure that the pickets remain engaged in the rails, you must install one base rail support for each railing section.



- 7
  - A: Fasten top wood rail to each top rail bracket using two 1-1/2" flat head screws.
  - B: Fasten top wood rail to the handrail using #8 x 1-1/2" deck screws (not provided), using two screws at each location.
  - ⚠ Ensure each pair of screws are no more than 16" apart.
  - C: Drill two 7/64" pilot holes at 45°, 1-1/2" from each end of the wood top rail into each post. Fasten top wood rail to each post using two #8 x 3" deck screws (not provided).
  - D: Drill two 7/64" pilot holes at 45°, 1-1/2" from each end of the bottom wood rail into each post. Fasten bottom wood rail to each post using two #8 x 3" deck screws (not provided).





# 18"- 66" GLASS PANEL INSTALLATION

Before starting this installation, read all warnings and important information.

- ⚠ Always use two people to handle glass panels. Always lift a glass panel by its sides. Tempered glass is extremely fragile – do not bump the edges. Always use protective gear including eyewear and gloves when handling glass panels.

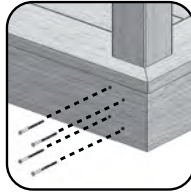
**1** Measure and mark the position of all posts and space equally.

- ⚠ Maximum post spacing of 6' for Residential\* use.

\*Guards within dwelling units and exterior guards serving not more than two dwelling units.

Put the first post in position and fasten. Ensure that the post is plumb.

- ⚠ To prevent wood rot, coat fastener screw threads with non-corrosive exterior silicon caulking.

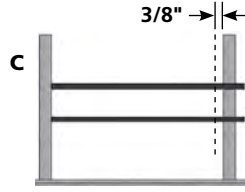
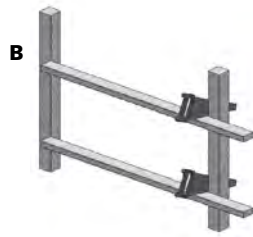
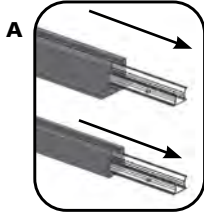


**2**

**A:** Remove the plastic picket gaskets from both rails.

**B:** Temporarily position the second post but do NOT secure it yet. Cut the wood rails to fit between the posts.

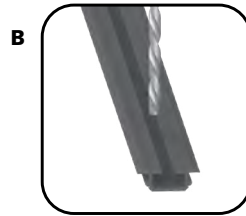
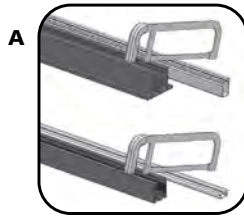
**C:** Cut the handrail and base rail 3/8" shorter than the distance between the posts.



**3**

**A:** Cut the glass gaskets the same length as the rails.

**B:** Drill 1/8" holes into the base rail glass gasket (the smaller gasket) every 12" for water drainage.



**4**

**A:** Fasten a handrail bracket on one end of the hand rail using a 1-1/2" flat head screw.

**B:** Fasten one base rail bracket to the bottom wood rail using two 1-1/2" flat head screws.

**C:** Fasten the base rail to the bottom wood rail using #8 x 1-1/2" deck screws (not provided).

- ⚠ Ensure screws are no more than 16" apart.

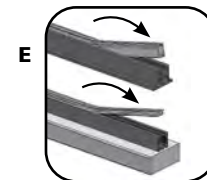
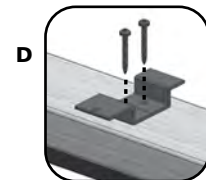
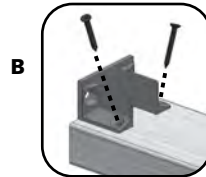
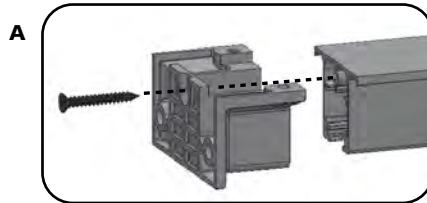
**D:** Secure the base rail support to the centre of the underside of the bottom wood rail using two 1-1/2" pan head screws.

- ⚠ Position base rail support with long side extending past the deck-facing side of the bottom wood rail. This is to ensure the screw hole is accessible later to fasten it to the deck surface.

- ⚠ To ensure that the pickets remain engaged in the rails, you must install one base rail support for each railing section.

**E:** Press the glass gaskets into the rails.

- ⚠ The smaller of the two glass gaskets goes into the base rail.



**5**

**A:** Position and level base rail. Drill 5/32" pilot holes and position and secure base rail bracket to post using two 2" flat head screws.

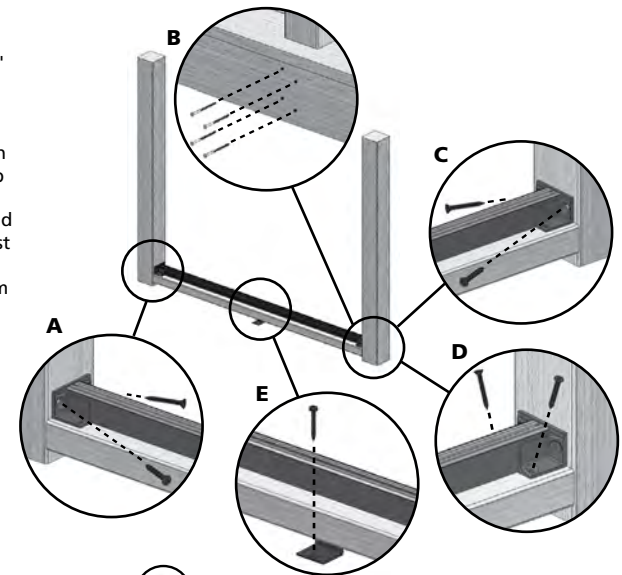
**B:** Position and fasten the second post in place, ensuring that the post is plumb (see step 1 for full details).

**C:** Drill 5/32" pilot holes and position and secure base rail bracket to second post using two 2" flat head screws.

**D:** Fasten the base rail bracket to bottom wood rail using two 1-1/2" flat head screws.

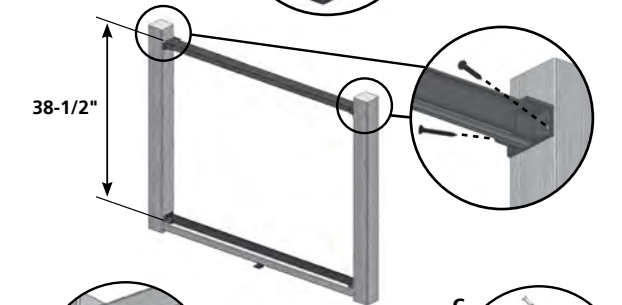
**E:** Fasten the base rail support to the deck surface using one 1-1/2" pan head screw.

- ⚠ To ensure the glass panel remains engaged in the rails, you must install one base rail support for each railing section.



**6**

Drill 5/32" pilot holes, then secure each handrail bracket to each post using two 2" flat head screws. Ensure the top of the handrail is 38-1/2" above the bottom wood rail.



**7**

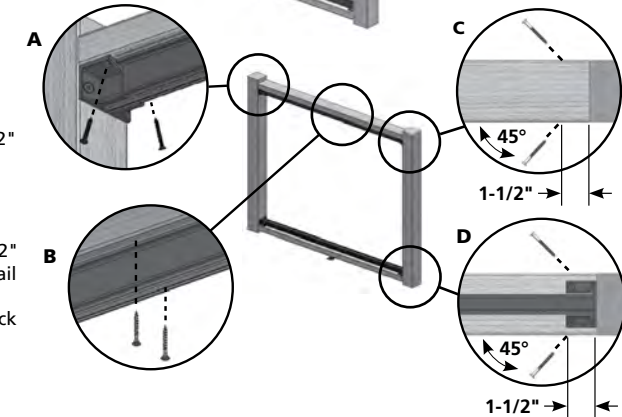
**A:** Fasten top wood rail to each top rail bracket using two 1-1/2" flat head screws.

**B:** Fasten top wood rail to the top rail using #8 x 1-1/2" deck screws (not provided), using two screws at each location.

- ⚠ Ensure each pair of screws are no more than 16" apart.

**C:** Drill two 7/64" pilot holes at 45°, 1-1/2" from each end of the top wood rail into each post. Fasten top wood rail to each post using two #8 x 3" deck screws (not provided).

**D:** Drill two 7/64" pilot holes at 45°, 1-1/2" from each end of the bottom wood rail into each post. Fasten bottom wood rail to each post using two #8 x 3" deck screws (not provided).



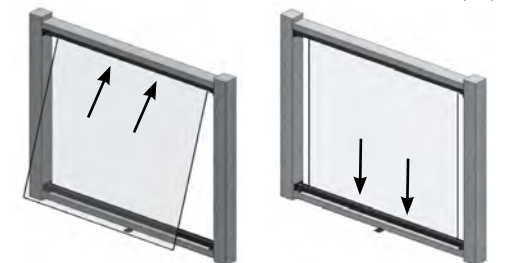
**8**

Install the glass panel by inserting it into the handrail gasket then lowering it into the base rail gasket.

- ⚠ Ensure that the glass gaskets and the top and bottom edges of the glass panel are well lubricated with liquid soap before installing the glass panel.

- ⚠ Ensure that the glass is fully seated in the gaskets. Wash away excess soap with clean water.

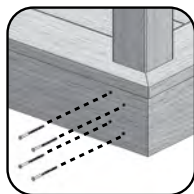
- ⚠ The opening between a glass panel and a post must not exceed 3-15/16".



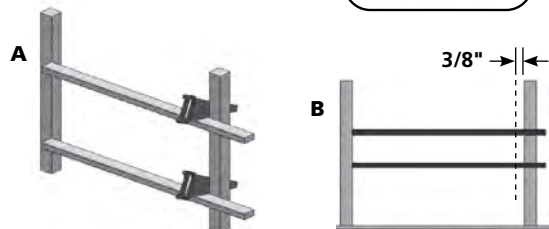
# 6" GLASS PANEL KIT INSTALLATION

Before starting this installation, read all warnings and important information.

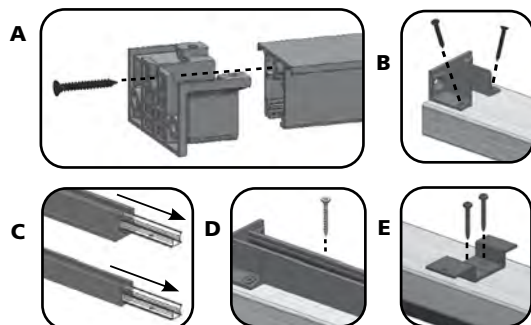
- 1 Measure and mark the position of all posts and space equally.
  - ⚠ Maximum post spacing of 6' for Residential\* use.  
\*Guards within dwelling units and exterior guards serving not more than two dwelling units.
  - Put the first post in position and fasten. Ensure that the post is plumb.
  - ⚠ To prevent wood rot, coat fastener screw threads with non-corrosive exterior silicon caulking.



- 2 Temporarily position the second post but do NOT secure it yet.
  - A: Cut the wood rails to fit between the posts.
  - B: Cut the handrail, base rail and plastic picket gaskets  $\frac{3}{8}$ " shorter than the distance between the posts.



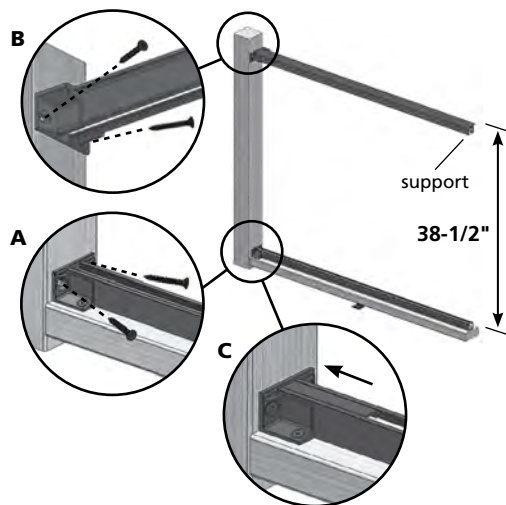
- 3
  - A: Install a handrail bracket to one end of the handrail by fastening it to the rail using a 1-1/2" flat head screw.
  - B: Fasten one base rail bracket to the bottom wood rail using two 1-1/2" flat head screws.
  - C: Slide the plastic picket gasket out of the handrail and base rail.
  - D: Fasten the base rail to the bottom wood rail using #8 x 1-1/2" deck screws (not provided).



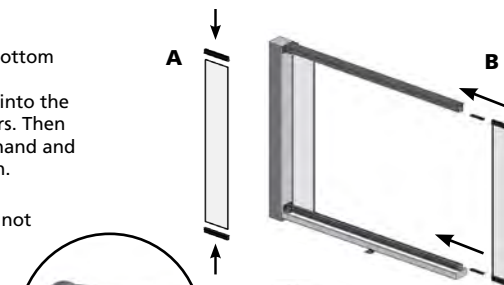
- ⚠ Ensure screws are located no more than 16" apart.
- E: Secure the base rail support to the centre of the underside of the bottom wood rail using two 1-1/2" pan head screws.

- ⚠ Position base rail support with long side extending past the deck-facing side of the bottom wood rail. This is to ensure the screw hole is accessible later to fasten it to the deck.
- ⚠ To ensure that the glass panels remain engaged in the rails, you must install one base rail support for each railing section.

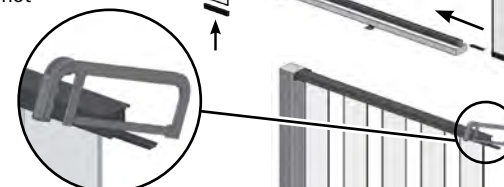
- 4
  - A: Position and level base rail. Drill 5/32" pilot holes and secure to post using two 2" flat head screws.
  - B: Position the handrail with the top 38-1/2" from the bottom wood rail. Drill 5/32" pilot holes and secure the handrail bracket to the post using two 2" flat head screws.
  - ⚠ Support the handrail until all glass panels are installed.
  - C: Slide the first spacer in each rail against the first post.



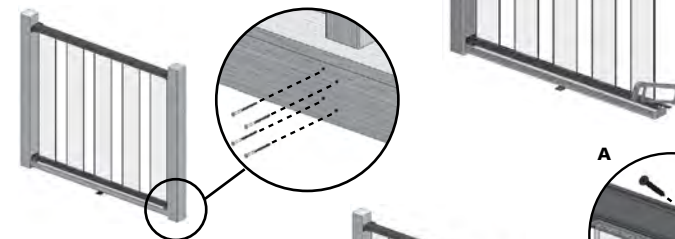
- 5
  - A: Attach the glass fittings to the top and bottom of each glass panel.
  - B: Slide a glass panel with fittings attached into the rails until touching the first pair of spacers. Then slide the second pair of spacers into the hand and base rails. Repeat to complete the section.
  - ⚠ The opening between glass panels and between a glass panel and a post must not exceed 3-15/16".



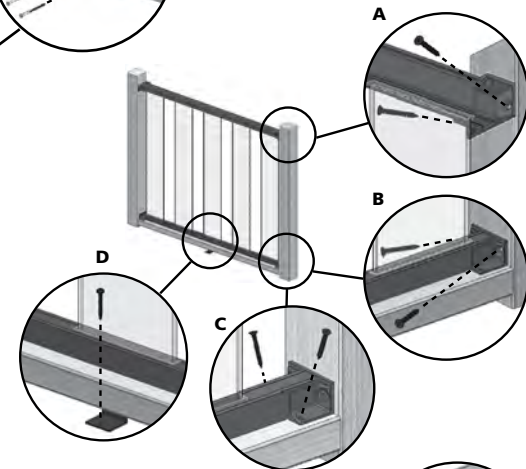
- 6 Cut the last spacers flush with the ends of the rails.
  - ⚠ To ensure equal glass panel spacing at each post, cut the first and the last spacers in the hand and base rails to equal lengths.



- 7 Position and fasten second post in place, ensuring that the post is plumb.



- 8
  - A: Drill 5/32" pilot holes, then position and secure the handrail bracket to the post using two 2" flat head screws. Ensure the top of the handrail is 38-1/2" above the bottom wood rail.
  - B: Drill 5/32" pilot holes, then position and secure the base rail bracket to the post using two 2" flat head screws.
  - C: Fasten the base rail bracket to bottom wood rail using two 1-1/2" flat head screws.
  - D: Fasten the base rail support to the deck surface using one 1-1/2" pan head screw.
  - ⚠ To ensure that the pickets remain engaged in the rails, you must install one base rail support for each railing section.



- 9
  - A: Fasten top wood rail to each top rail bracket using two 1-1/2" flat head screws.
  - B: Fasten top wood rail to the top rail using #8x1-1/2" deck screws (not provided), using two screws at each location.
  - ⚠ Ensure each pair of screws are no more than 16" apart.
  - C: Drill two 7/64" pilot holes at 45°, 1-1/2" from each end of the top wood rail into each post. Fasten top wood rail to each post using two #8 x 3" deck screws (not provided).
  - D: Drill two 7/64" pilot holes at 45°, 1-1/2" from each end of the bottom wood rail into each post. Fasten bottom wood rail to each post using two #8 x 3" deck screws (not provided).

