

PAC-RCB (RESILIENT CHANNEL BACKER)

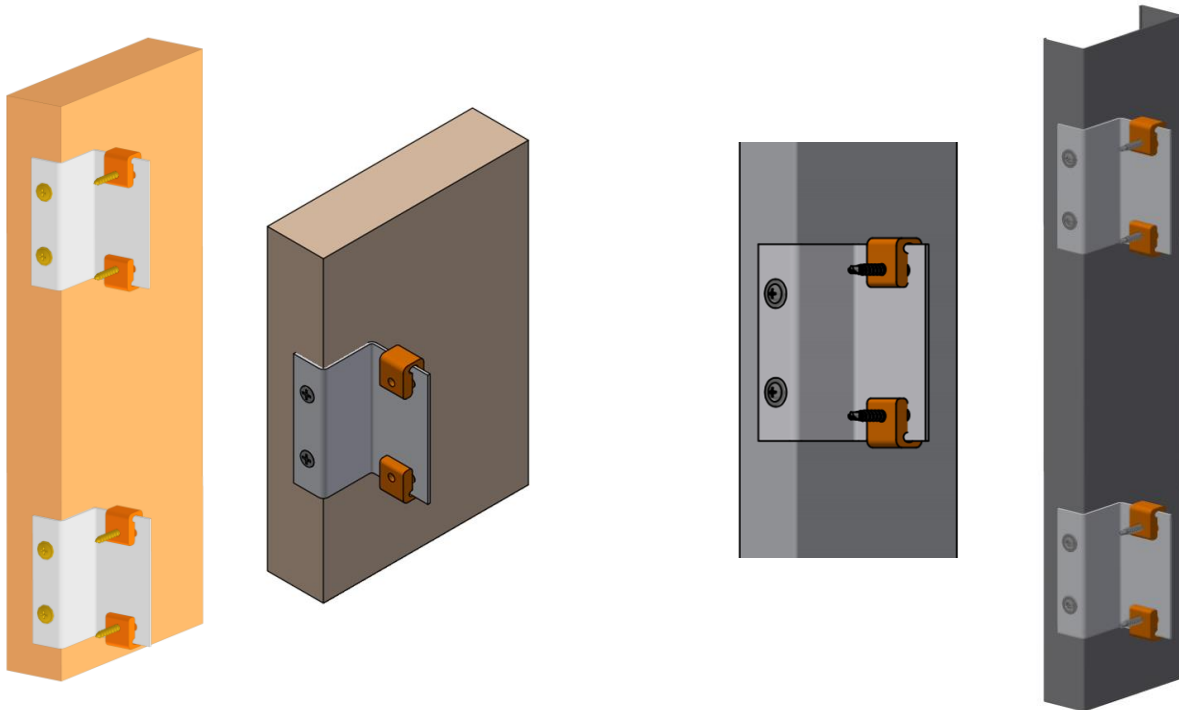
PAC-RCB INSTALLATION GUIDE



World Leader
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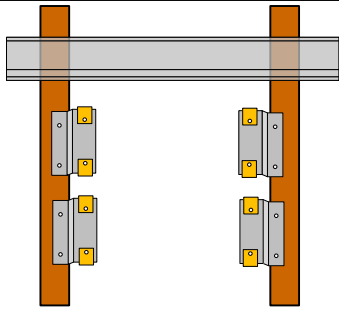
PAC-RCB for Handrails and Grab bars



The PAC-RCB is designed for use with all resilient channel wall systems where support is needed for heavy loads like cabinets, bookshelves, headboards, shelving, handrails, and grab bars. The PAC-RCB provides a sturdy mounting location that maintains the acoustic isolation provided by the resilient channels.

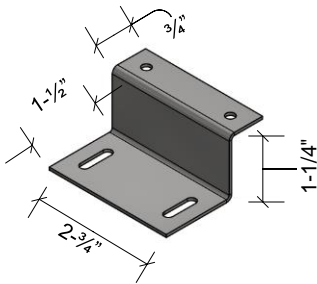
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PAC-RCB INSTALLATION GUIDE



PAC-RCB (Resilient Channel Backer)

- 24 inches maximum distance between brackets
- Maximum static acoustical design load:
PAC-RCB 25 lbs. per bracket and 50 lbs. per pair
- A minimum of four brackets must be used when supporting hand rails and grab bars.



PAC-RCB dimensions:

- PAC-RCB clip 1-1/2" wide flange (to blocking)
- PAC-RCB clip 3/4" wide flange (to framing)
- PAC-RCB clip 2-3/4" long
- PAC-RCB clip 1-1/4" tall



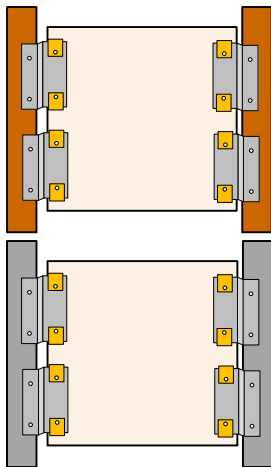
PAC-RCB Wood screw



PAC-RCB Steel screw

Fasteners:

- PAC-RCB to blocking (provided by PAC)
 - Wood - min #7 x 1-5/8" wood screw
 - Steel - #8 x 1-1/4" self-drilling steel screw
- PAC-RCB to framing (by others):
 - Screws should have a wafer or modified truss head and should be selected to provide adequate shear and tension strength for the intended application.
 - PAC recommends a minimum allowable (not ultimate) load of 65lbs per screw.
- DO NOT fasten PAC-RCB to framing members or blocking with nails.



Backing (Provided by Others)

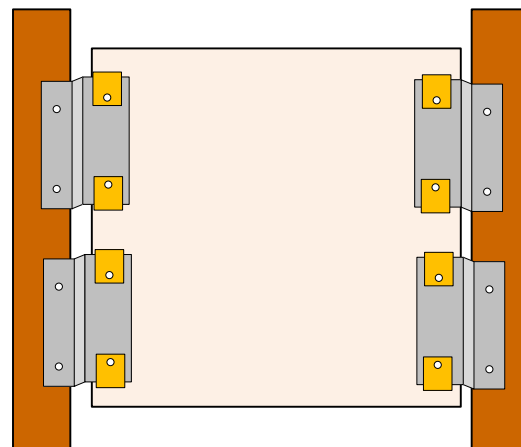
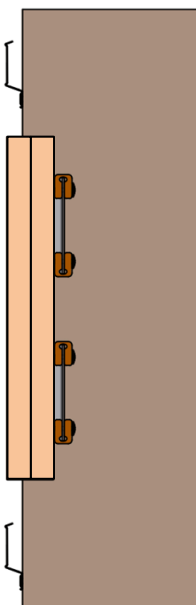
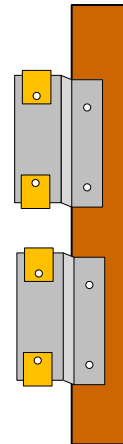
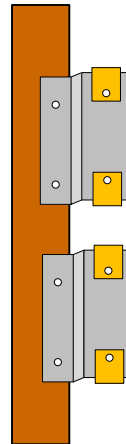
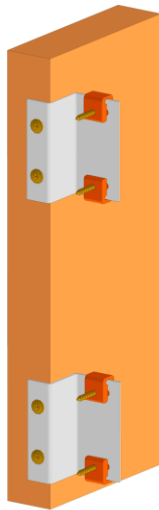
- Use 2 layers of 3/4" plywood bonded (glued and screwed) together.
- The plywood should be cut to the width of the gap between the studs minus 1". There should be no contact between the plywood and the metal of the PAC-RCB brackets.
- The plywood should be a minimum of 16" tall and the PAC-RCB brackets should be mounted 1" from the top and bottom edges of the plywood.

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PAC-RCB INSTALLATION GUIDE FOR WOOD FRAMING

Wood Walls:

- Measure the gap between the framing and cut the backer (2 layers of $\frac{3}{4}$ " plywood) 1" shorter to allow for a $\frac{1}{2}$ " gap on each end.
- Set the PAC-RCB rubber isolators to line up with the slotted holes in the PAC-RCB metal bracket.
- Insert the provided wood screws through the PAC-RCB rubber isolators and metal bracket and screw them into the wood backer. The brackets should be mounted 1" from the top and bottom edges of the plywood.
- Tighten each screw until the head of the screw just touches the rubber isolator. A specially designed screw gun install tool / depth stop for drywall screw guns is available upon request.
- Mount the complete PAC-RCB system to the framing using screws with a wafer or modified truss head. Screws must provide adequate tension and shear strength for the intended loads. These screws should be tight. PAC recommends a minimum allowable (not ultimate) load of 65lbs per screw.
- Repeat in each stud bay where items will be mounted.

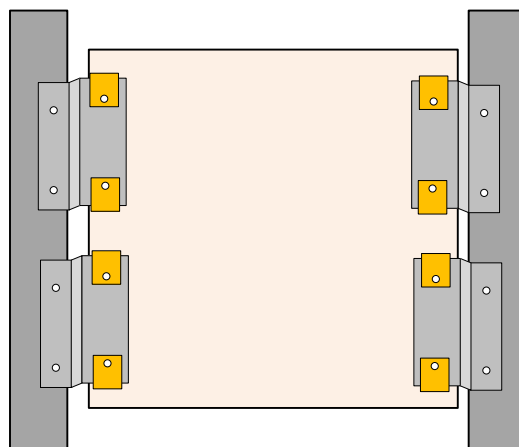
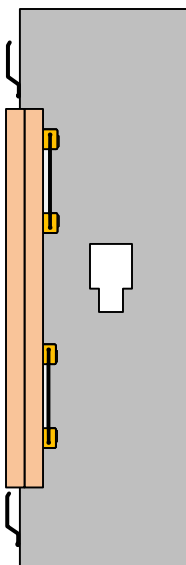
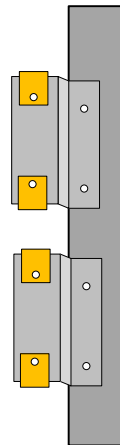
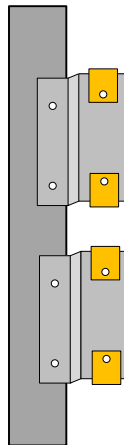


PAC-RCB (RESILIENT CHANNEL BACKER)

PAC-RCB INSTALLATION GUIDE STEEL FRAMING

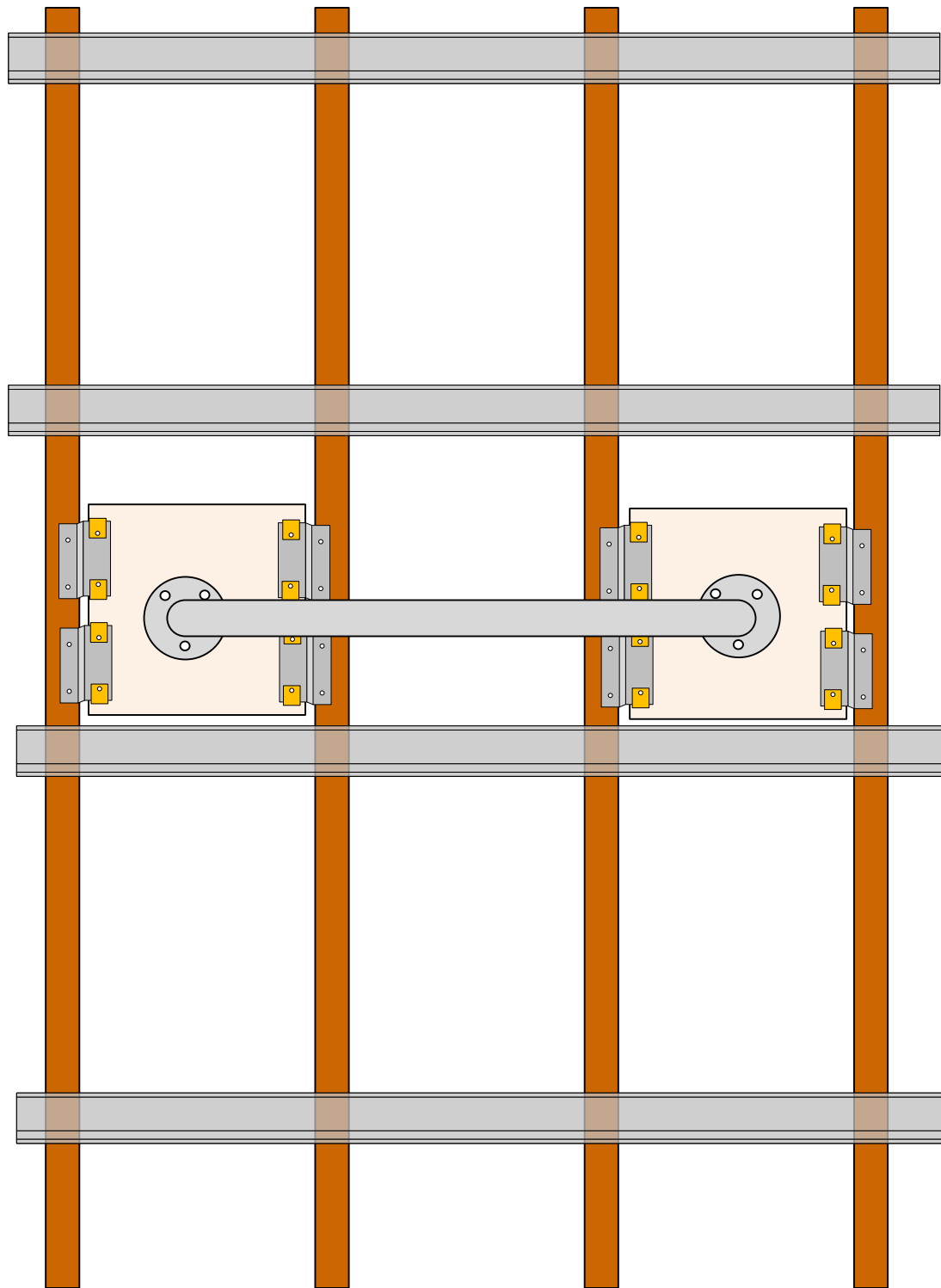
Steel Walls:

- Measure the gap between the framing and cut the backer (2 layers of $\frac{3}{4}$ " plywood) 1" shorter to allow for a $\frac{1}{2}$ " gap on each end.
- Set the PAC-RCB rubber isolators to line up with the slotted holes in the PAC-RCB metal bracket.
- Insert the provided wood screws through the PAC-RCB rubber isolators and metal bracket and screw them into the wood backer. The brackets should be mounted 1" from the top and bottom edges of the plywood.
- Tighten each screw until the head of the screw just touches the rubber isolator. A specially designed screw gun install tool / depth stop for drywall screw guns is available upon request.
- Mount the complete PAC-RCB system to the framing using screws with a wafer or modified truss head. Screws must provide adequate tension and shear strength for the intended loads. These screws should be tight. PAC recommends a minimum allowable (not ultimate) load of 65lbs per screw.
- Repeat in each stud bay where items will be mounted.



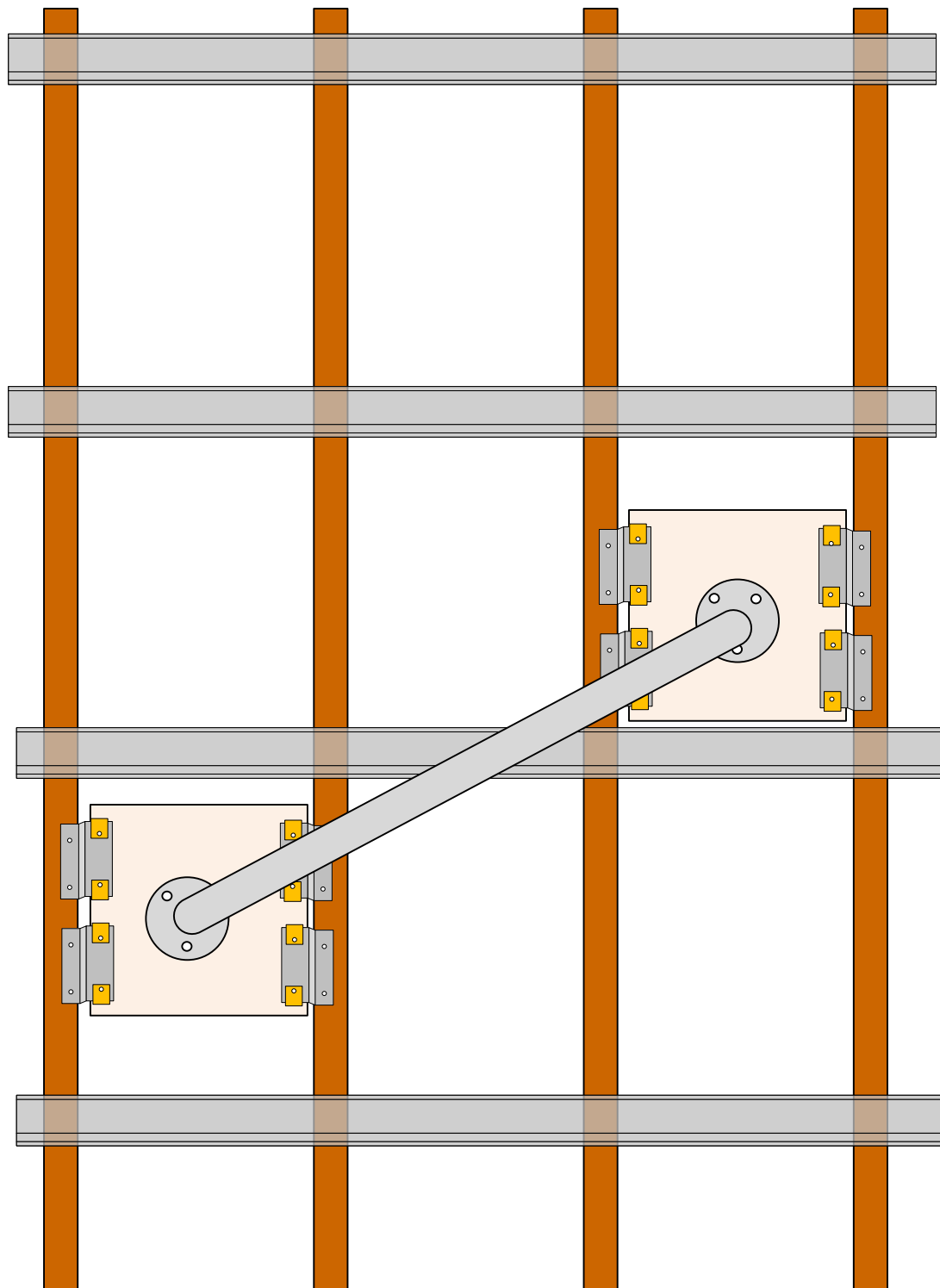
PAC-RCB (RESILIENT CHANNEL BACKER)

PAC-RCB INSTALLATION GUIDE GRAB BAR WOOD FRAMED WALL



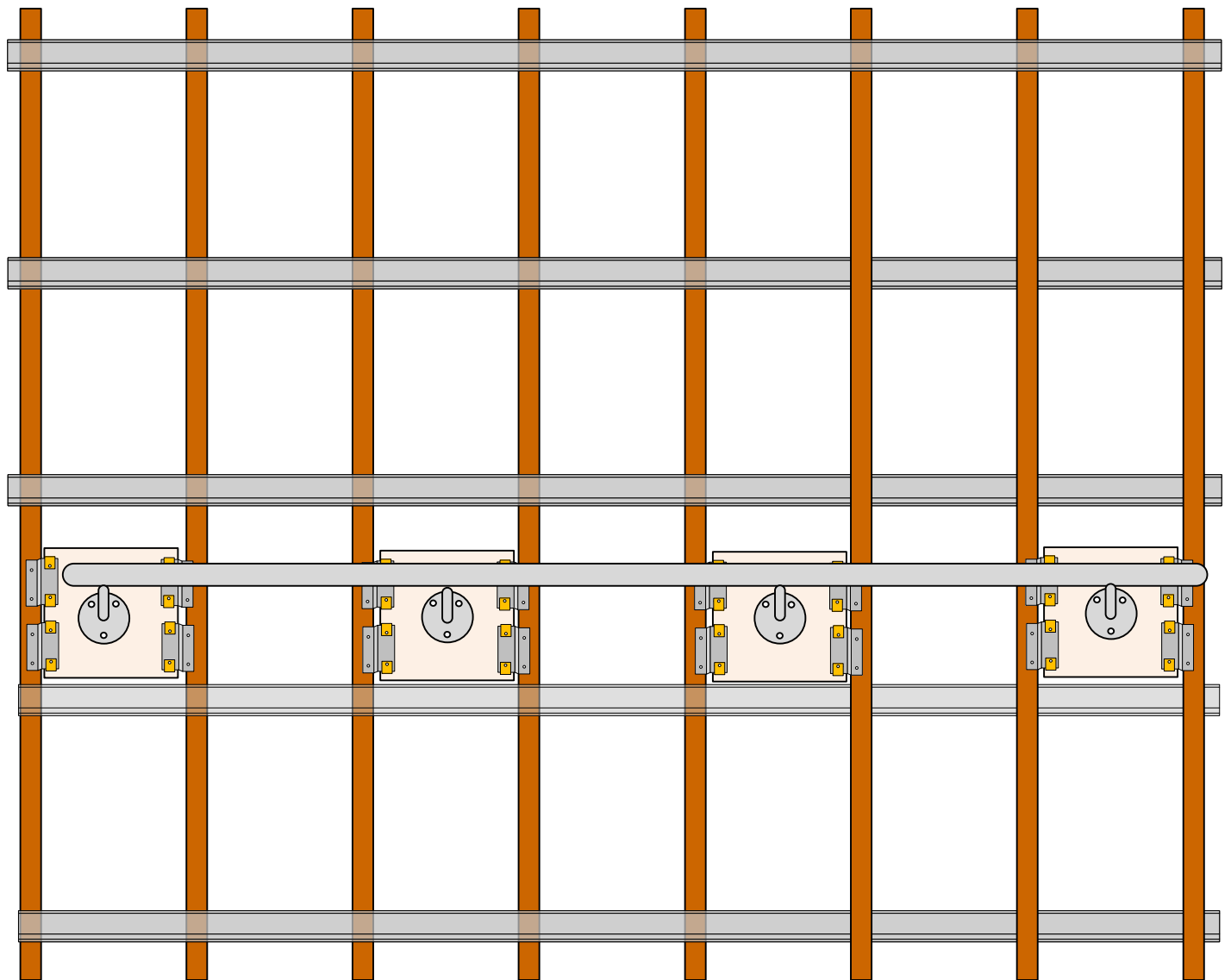
PAC-RCB (RESILIENT CHANNEL BACKER)

PAC-RCB INSTALLATION GUIDE GRAB BAR WOOD FRAMED WALL



PAC-RCB (RESILIENT CHANNEL BACKER)

PAC-RCB INSTALLATION GUIDE HANDRAIL WOOD FRAMED WALL

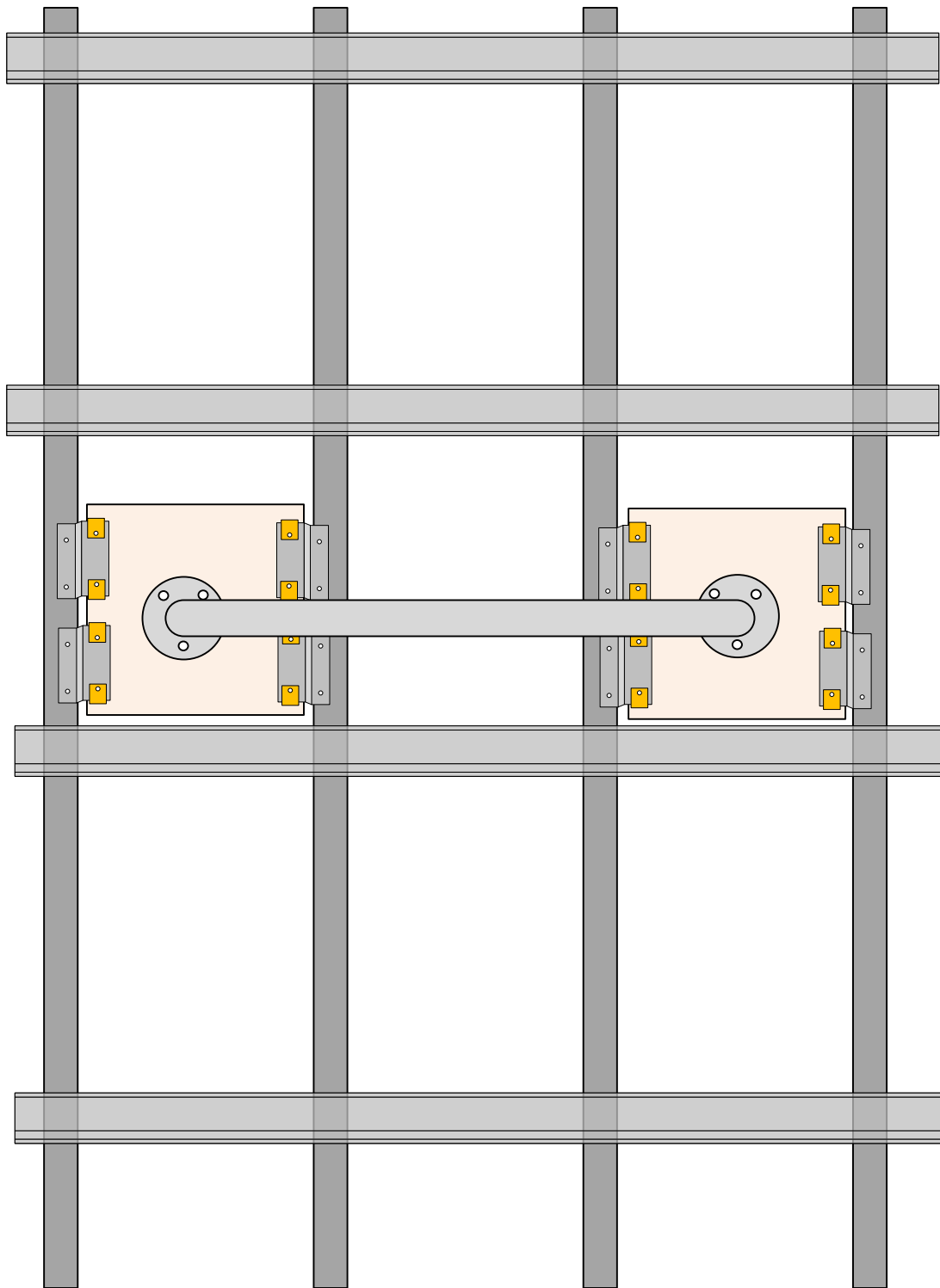


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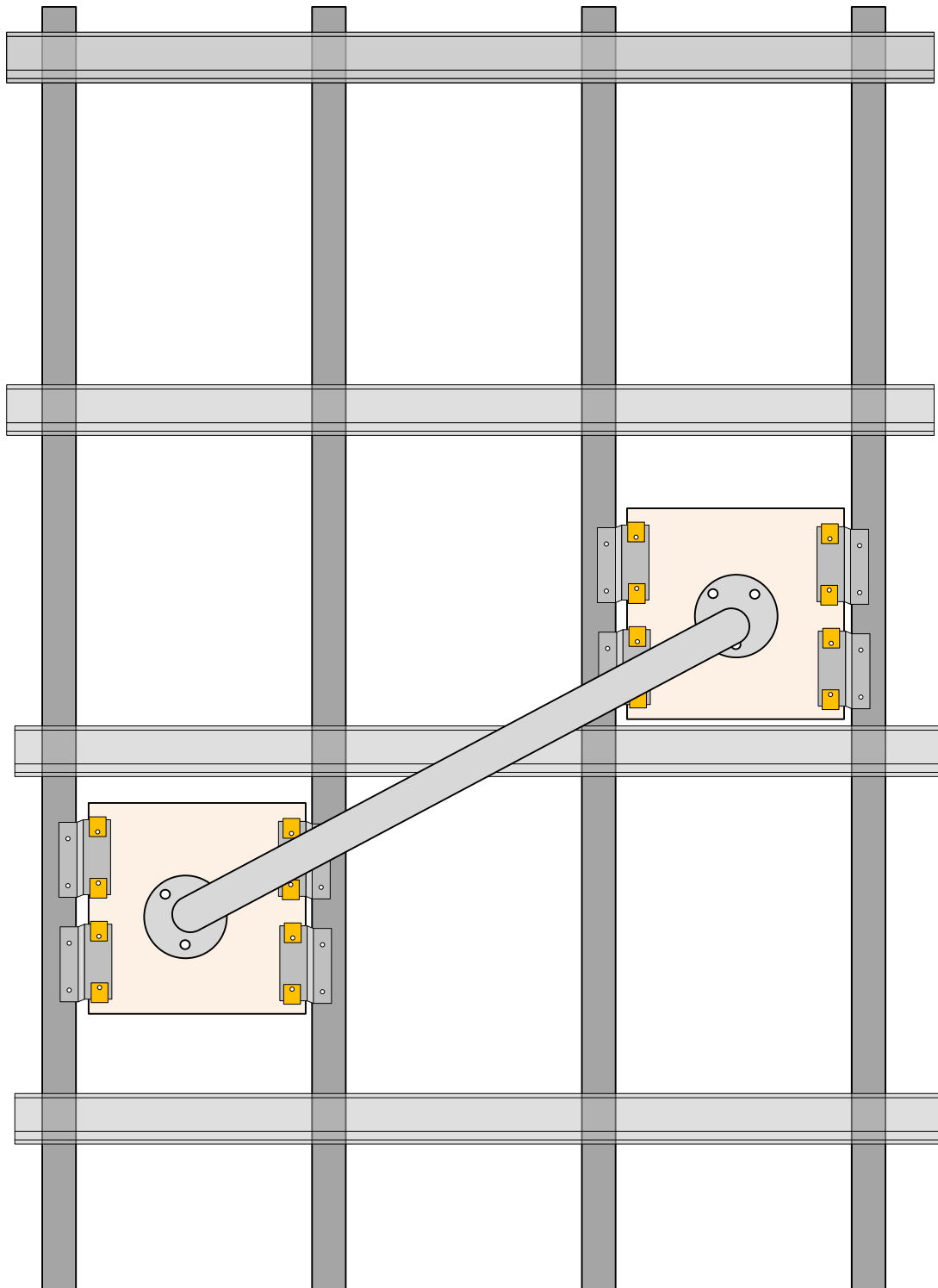
PAC-RCB (RESILIENT CHANNEL BACKER)

PAC-RCB INSTALLATION GUIDE GRAB BAR STEEL FRAMED WALL



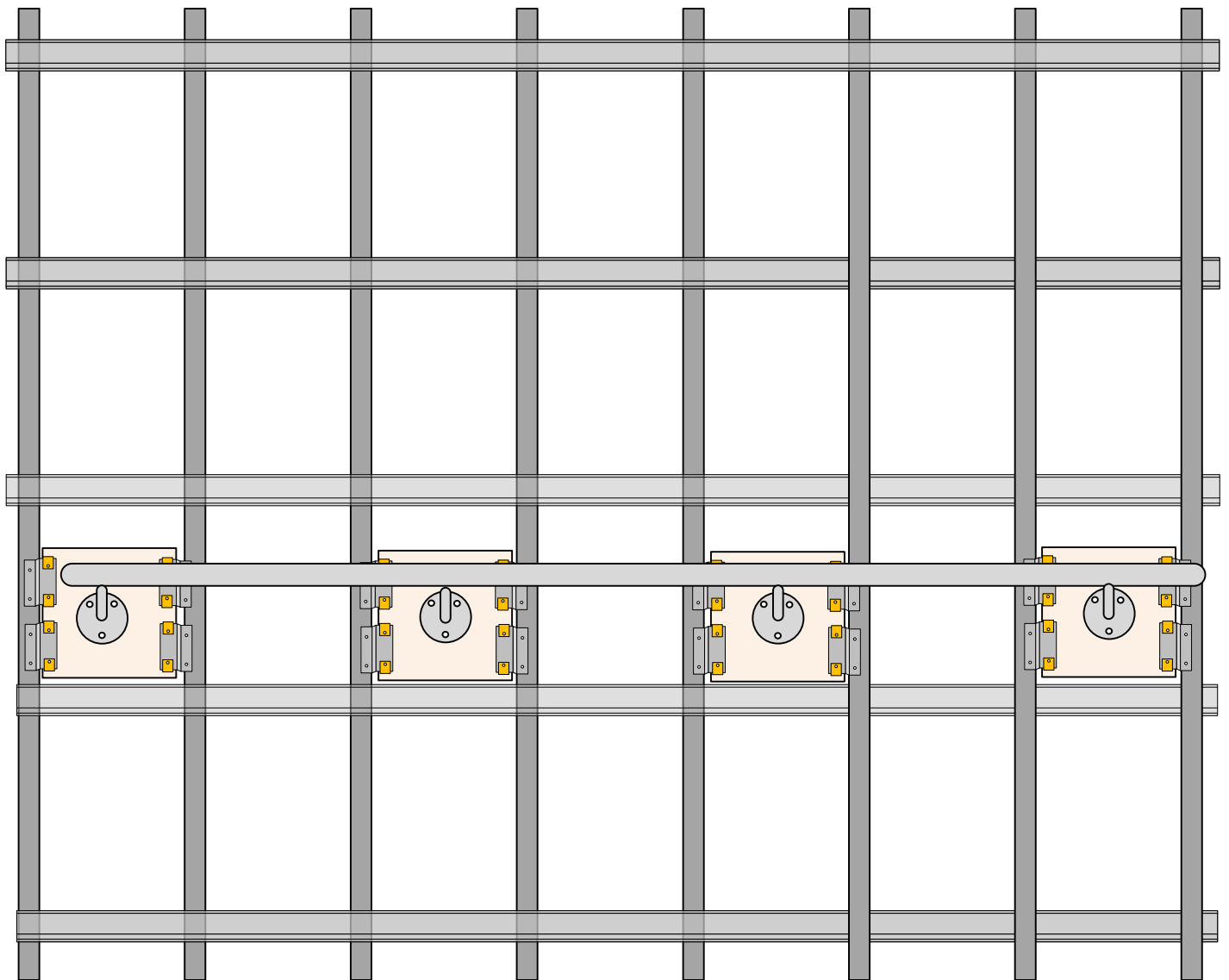
PAC-RCB (RESILIENT CHANNEL BACKER)

PAC-RCB INSTALLATION GUIDE GRAB BAR STEEL FRAMED WALL



PAC-RCB (RESILIENT CHANNEL BACKER)

PAC-RCB INSTALLATION GUIDE HANDRAIL STEEL FRAMED WALL



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