Assembly Instructions
(The following instructions are for (standard) four-rail QuickFrames. See the Field Drawings provided with your delivery for each specific frame configuration.)

Pre-Staging and Kitting

Pre-Staging Materials
Organize materials by: Main Rails (#1 & #2) Cross Rails (#3 & #4) Angle Brackets (#5) All Other Hardware

Step A: Attach Hangers
Install two tap bolts (#10) each into all right main rail hangers (#6) and left main rail hangers (#7). Only thread part-way.

Step B: Attach Hangers
Attach main rail hanger - left (#7) flush to outer main rail (#1) using two carriage bolts (#8) and two hex flange nuts (#9). Repeat with main rail hanger - right (#6) and inner main rail (#3).

Step 1A: Install Main Rails
With the flat side of the main rail facing the roof opening, insert the outer main rail (#1) on top of the joist, under deck flutes. Telescope inner main rail (#3) on top of the opposite joist. Ensure main rail hangers (#6, #7) are tight against joints.

Step 2: Attach Angle Brackets
Review Field Drawings
Location Drawing shows where each frame is to be installed.
Field Drawings show how each frame type is to be assembled.

IMPORTANT! You must use both inner and outer rails during assembly.

Gathering Parts For Assembly
For each frame opening on the Location Drawing, use the Field Drawings to select the correct number, size, and gauge of parts for that frame opening.

Step 1B (Cont): Install Main Rails
Snug (but do not torque) the two tap bolts (#10) for main rail hanger—right (#6) and main rail hanger—left (#7) against the joints to prevent rail rolling. With both tap bolts (#10) snug, torque to spec. (Do not overtighten to avoid distorting the frame). Repeat with the opposing main rail, again with the flat side of the main rail facing the roof opening.

Step 3C (Cont): Install Main Rails
Snug but do not torque the two tap bolts (#10) for main rail hanger—right (#6) and main rail hanger—left (#7) against the joints to prevent rail rolling. With both tap bolts (#10) snug, torque to spec. Also torque the carriage bolts (#8) and hex flange nuts (#9) to the main rails that were snugged in Step 2. (NOTE: Always use both cross-rail pieces!)

Step 1C (Cont): Install Main Rails
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Snug (but do not torque) the two tap bolts (#10) for main rail hanger—right (#6) and main rail hanger—left (#7) against the joints to prevent rail rolling. With both tap bolts (#10) snug, torque to spec. Also torque the carriage bolts (#8) and hex flange nuts (#9) to the main rails that were snugged in Step 2. (NOTE: Always use both cross-rail pieces!)

Step 3: Install Cross Rails
With the flat side facing the roof opening, telescope the outer cross rail (#3) and inner cross rail (#4) against the main rails and the angle brackets (#5). Attach the cross rails to the angle brackets using two carriage bolts (#8) and hex flange nuts (#9) each. (Torque to spec.) Also torque the carriage bolts (#8) and hex flange nuts (#9) to the main rails that were snugged in Step 2. (NOTE: Always use both cross-rail pieces!)

Step 3 (Cont): Install Cross Rails
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Install one carriage bolt (#8) and hex flange nut (#9) at each end of the center junction of the outer cross rail (#3) and inner cross rail (#4). (Torque to spec.) Repeat with the opposing cross rail, again with the flat side facing roof opening.

Step 4: Verify All Bolts Torqued
Check all bolts and nuts to verify they are torqued to spec.

Torque Specifications:
Snug tighten each bolt in the joint. Match-mark the nut and protruding end of the bolt. Rotate the nut by 1/3 turn. (Ref: RCSC “Turn of Nut Method”)

Part Description Image Qty
#1 Outer Main Rail
#2 Inner Main Rail
#3 Outer Cross Rail
#4 Inner Cross Rail
#5 Angle Bracket
#6 Main Rail Hanger - Right
#7 Main Rail Hanger - Left
#8 1/2" x 1" Carriage Bolt
#9 1/2" Serrated Flange Nut
#10 1/2" x 2" Zinc Tap Bolt

Step 1A: Install Main Rails
Install one carriage bolt (#8) and hex flange nut (#9) at each end of the center junction of the outer main rail (#1) and inner main rail (#2) junction. (Torque to spec.)