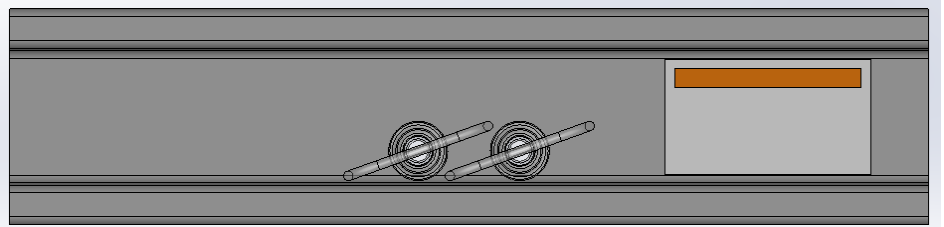


BEAM CONNECTING TUBE ASSEMBLY INSTRUCTIONS

The Sky Climber rigging beams (155-21 and 155-22) are used in combination with a connecting tube (2ft: 155-19, 3ft: 155-30, or 8ft: 155-28) to form longer beam assemblies. Over time, Sky Climber has made changes to the connecting tubes. The changes bring the connecting tubes into line with the current state of the art, but do not reflect safety or performance deficiencies in prior revisions. Older revisions are still valid and can be safely used if correctly installed. The following images help identify the different revisions, and instructions for each can be found in the pages that follow. To ensure the proper installation of rigging beams into a specific connecting tube, follow the specific instructions corresponding to that revision.

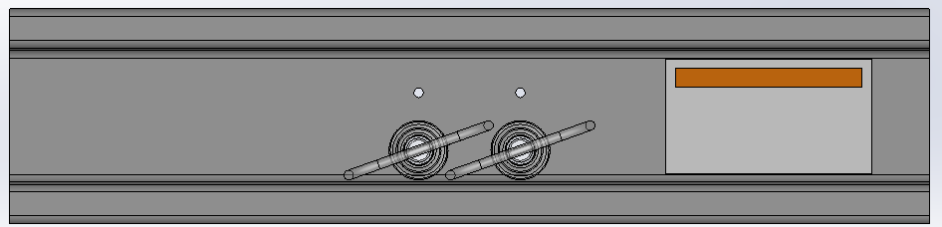
REV A & B (Jan. 2005 / Oct. 2007) – Pages 5-6

- Two pin holes
- Two pins
- Warning label 155-23



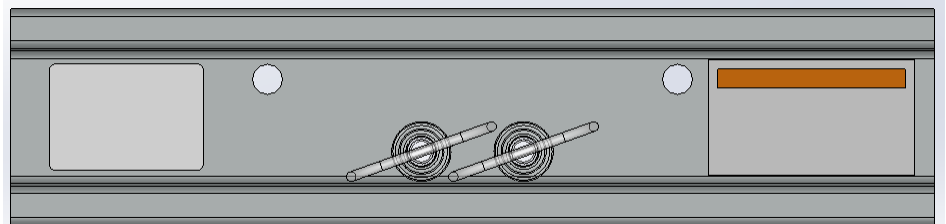
REV B (Later production, Apr. 2012) – Pages 7-8

- Two pin holes
- Two pins
- Warning label 155-23
- Two inspection holes



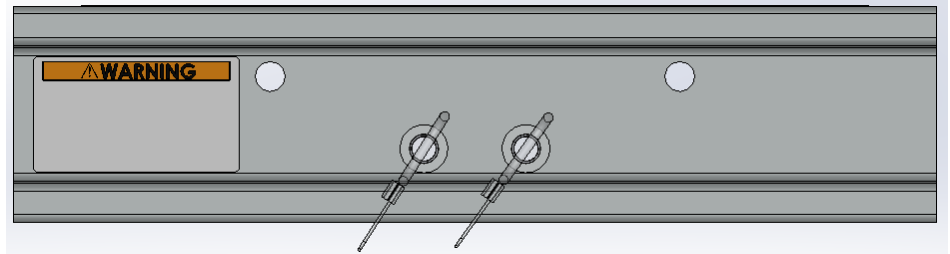
REV C (Jul. 2016) – Pages 9-10

- Four pin holes
- Two pins
- Warning labels 155-23 & 155-31



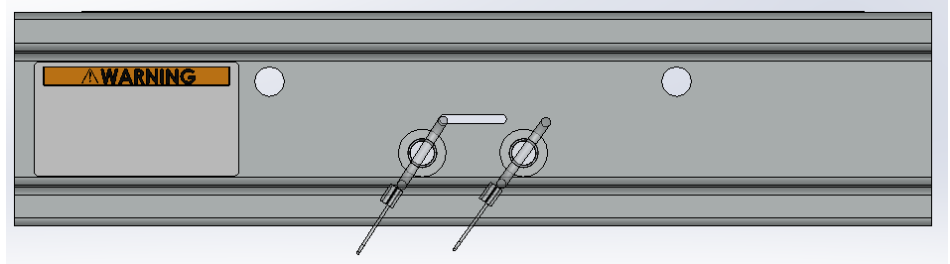
REV D (Sept. 2016) – Pages 11-12

- Four pin holes
- Two pins
- Warning label 155-31



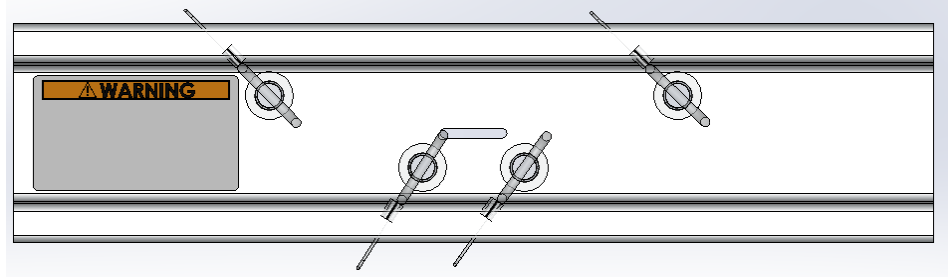
REV E (Jan. 2017) – Pages 13-14

- Four pin holes
- Two pins
- Inspection slot
- Warning label 155-31



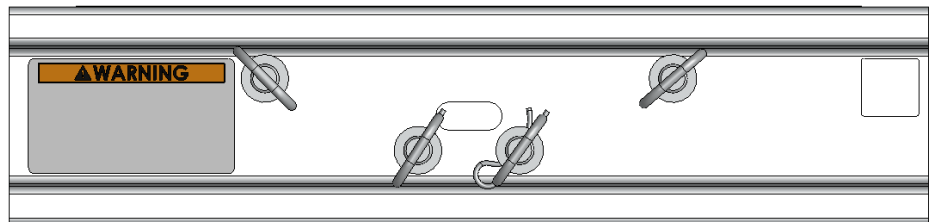
REV F (Feb. 2023) – Pages 15-16

- Four pin holes
- Four pins
- Inspection slot
- Warning label 155-31

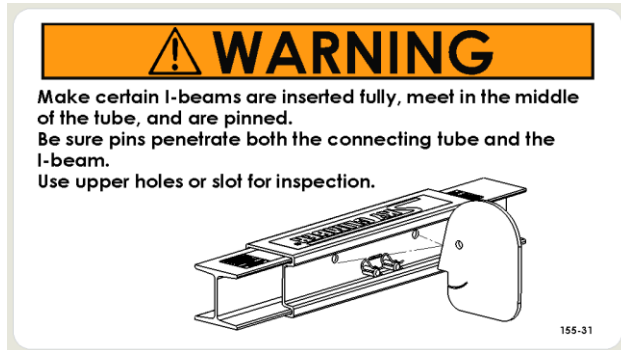


REV G (Feb. 2026) – Page 17

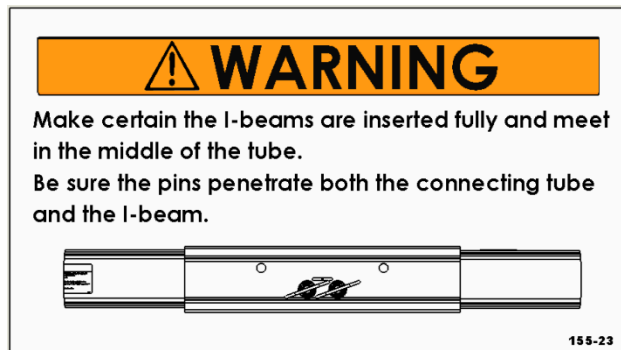
- Four pin holes
- Four pins
- Inspection slot (larger)
- Warning label 155-310
- QR sticker



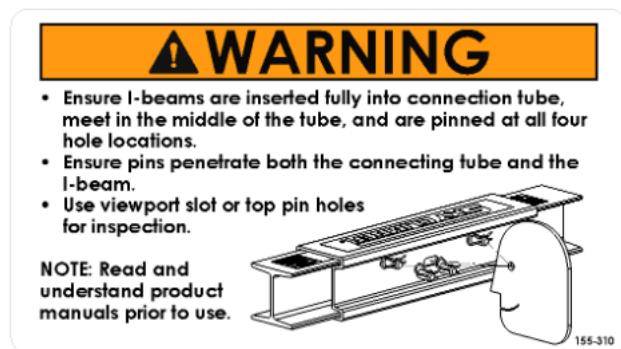
Warning Label (155-31)



Warning label (155-23)



Warning label (155-310)



QR label

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PARTS


INSTRUCTIONS


TECHNICAL
DOCUMENTS



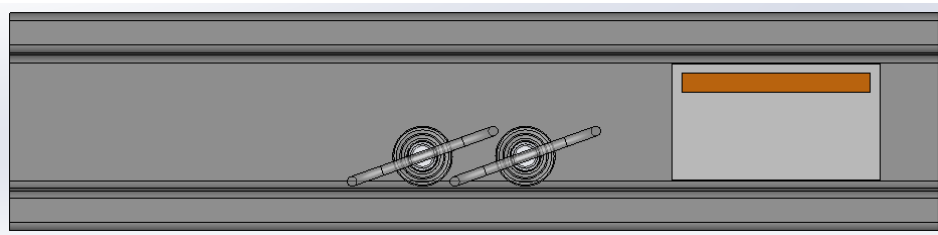
skyclimber.com/knowledge-base



ALSO VISIT ON
ANY DEVICE

Installation Instructions – REV A & B

WARNING: Failure to follow these instructions may result in property damage, serious injury, and/or death. Installation should be performed in tandem by at least two (2) sophisticated users to minimize the risk of user error and ensure all aspects of these instructions are followed. If you are unsure whether proper install has been achieved, verify with your PIC and/or contact Sky Climber prior to using in the field.



Step 1: Insert a pin into one of the holes of the connecting tube. Slide a beam into the connecting tube from the end closest to the pin until it contacts the pin. Remove the pin, then slide the beam approximately 2" further into the connecting tube. Insert a pin into the hole of the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 2: Install the second beam in the open side of the connecting tube until it contacts the end of the first beam. Insert a pin through the other hole of the connecting tube. The pin should go through the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 3: Secure both pins with a retaining clip.

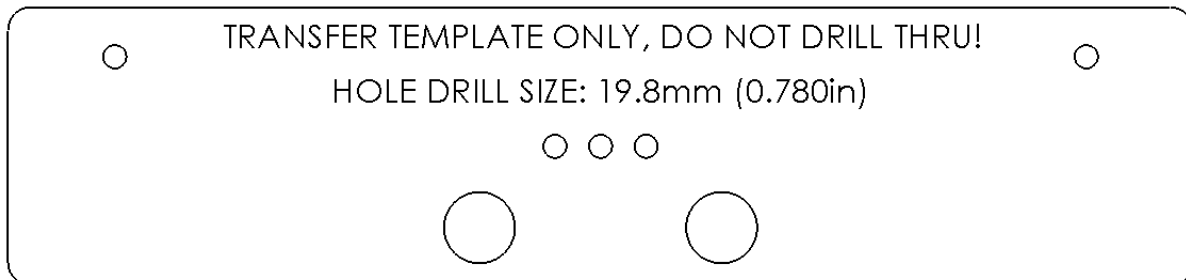
Step 4: As a final safety check, attempt to pull the beams out of the connecting tube. **The beams should not move relative to the connecting tube. If they move or come out of the connecting tube, the beams are not properly installed and the beam is NOT SAFE TO USE. If you find this condition, go back to Step 1. This step is critical. If this continues to occur after repeated attempts, contact Sky Climber for troubleshooting.**

Update Instructions – REV A & B

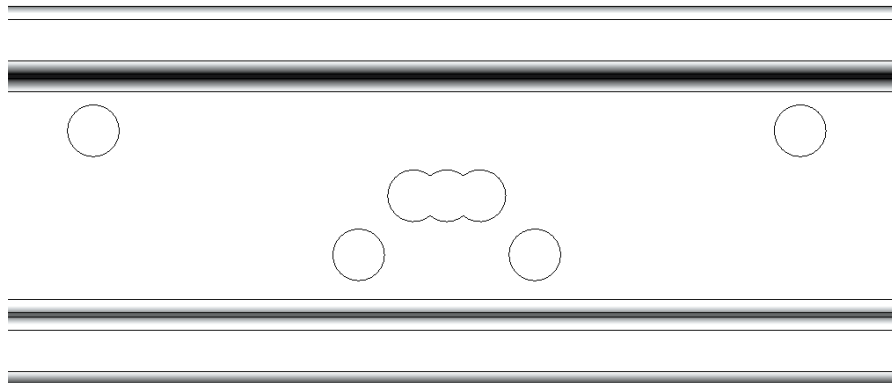
To bring this revision up to the current design, follow these instructions.

Step 1: Remove the existing labels (155-31) to make room for the new holes.

Step 2: Use the two existing pins to position the drill template (4545-1, pictured below) on one side of the connecting tube. Mark the locations for the five pilot holes to be drilled.



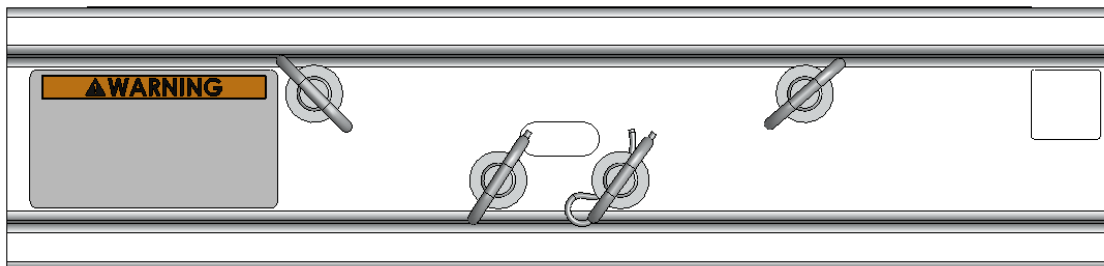
Step 3: Drill a 25/32" hole at those five locations through the side of the connecting tube.



Step 4: Smooth out the sharp features of the middle holes to yield one long smooth slot.

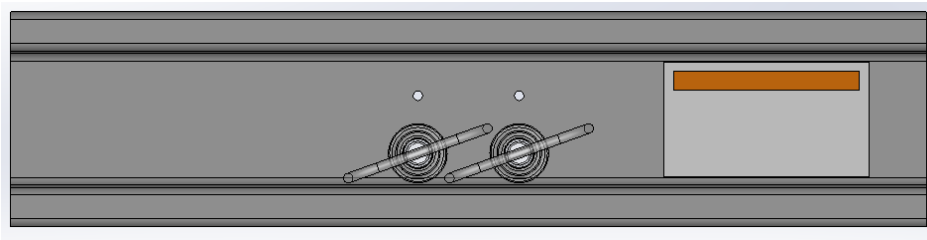
Step 5: Repeat steps 2-4 on the other side of the connecting tube.

Step 6: Order two additional pins (P/N: 154-45-19) to use in the upper holes, two new labels (P/N: 155-310), and two new QR stickers (P/N: BEAM-TUBE-QR-LABEL). Place one label and one QR sticker on each side of the connecting tube, just outside the outer holes (pictured below).



Installation Instructions – later production, REV B

WARNING: Failure to follow these instructions may result in property damage, serious injury, and/or death. Installation should be performed in tandem by at least two (2) sophisticated users to minimize the risk of user error and ensure all aspects of these instructions are followed. If you are unsure whether proper install has been achieved, verify with your PIC and/or contact Sky Climber prior to using in the field.



Step 1: Insert a pin into one of the holes of the connecting tube. Slide a beam into the connecting tube from the end closest to the pin until it contacts the pin. Remove the pin, then slide the beam approximately 2" further into the connecting tube. Insert a pin into the hole of the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 2: Install the second beam in the open side of the connecting tube until it contacts the end of the first beam. Insert a pin through the other hole of the connecting tube. The pin should go through the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 3: Secure both pins with a retaining clip.

Step 4 (Inspection): Looking through the two small inspection holes, you should see the web of each rigging beam.

If the above condition is not met, start over at Step 1.

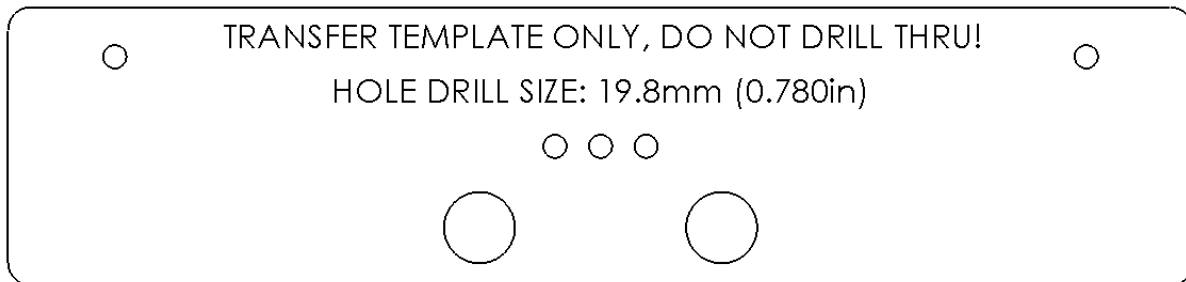
Step 5: As a final safety check, attempt to pull the beams out of the connecting tube. **The beams should not move relative to the connecting tube. If they move or come out of the connecting tube, the beams are not properly installed and the beam is NOT SAFE TO USE. If you find this condition, go back to Step 1. This step is critical. If this continues to occur after repeated attempts, contact Sky Climber for troubleshooting.**

Update Instructions – later production, REV B

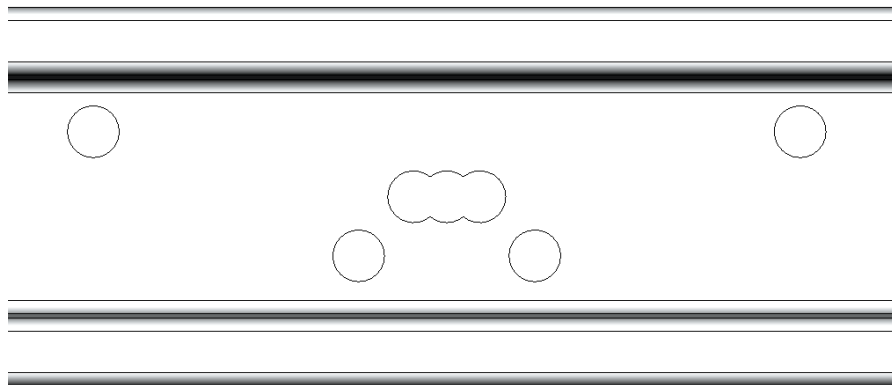
To bring this revision up to the current design, follow these instructions.

Step 1: Remove the existing labels (155-31) to make room for the new holes.

Step 2: Use the two existing pins to position the drill template (4545-1, pictured below) on one side of the connecting tube. Mark the locations for the five pilot holes to be drilled.



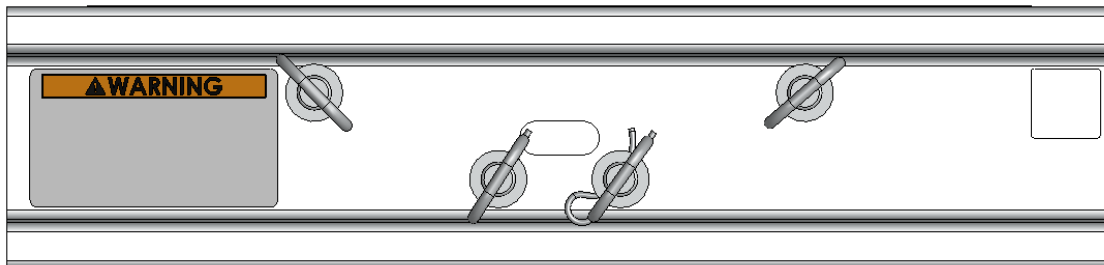
Step 3: Drill a 25/32" hole at those five locations through the side of the connecting tube.



Step 4: Smooth out the sharp features of the middle holes to yield one long smooth slot.

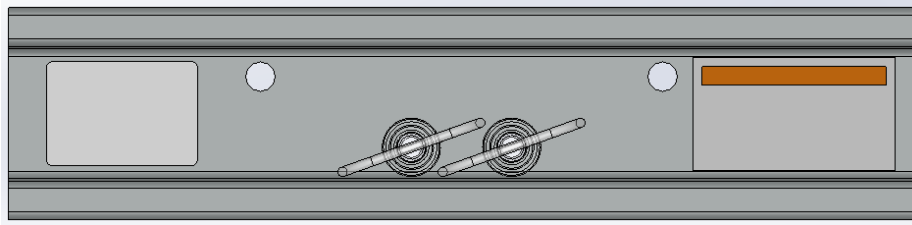
Step 5: Repeat steps 2-4 on the other side of the connecting tube.

Step 6: Order two additional pins (P/N: 154-45-19) to use in the upper holes, two new labels (P/N: 155-310), and two new QR stickers (P/N: BEAM-TUBE-QR-LABEL). Place one label and one QR sticker on each side of the connecting tube, just outside the outer holes (pictured below).



Installation Instructions – REV C

WARNING: Failure to follow these instructions may result in property damage, serious injury, and/or death. Installation should be performed in tandem by at least two (2) sophisticated users to minimize the risk of user error and ensure all aspects of these instructions are followed. If you are unsure whether proper install has been achieved, verify with your PIC and/or contact Sky Climber prior to using in the field.



Step 1: Insert a pin into one of the lower holes of the connecting tube. Slide a beam into the connecting tube from the end closest to the pin until it contacts the pin. Remove the pin, then slide the beam approximately 2" further into the connecting tube. Insert a pin into the hole of the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 2: Install the second beam in the open side of the connecting tube until it contacts the end of the first beam. Insert a pin through the other hole of the connecting tube. The pin should go through the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 3: Secure both pins with a retaining clip.

Step 4 (Inspection): Looking through the upper inspection holes, you should be able to see completely through the connecting tube. If you see the web of the aluminum beam through either of these holes, the beams are not correctly installed.

If the above condition is not met, start over at Step 1.

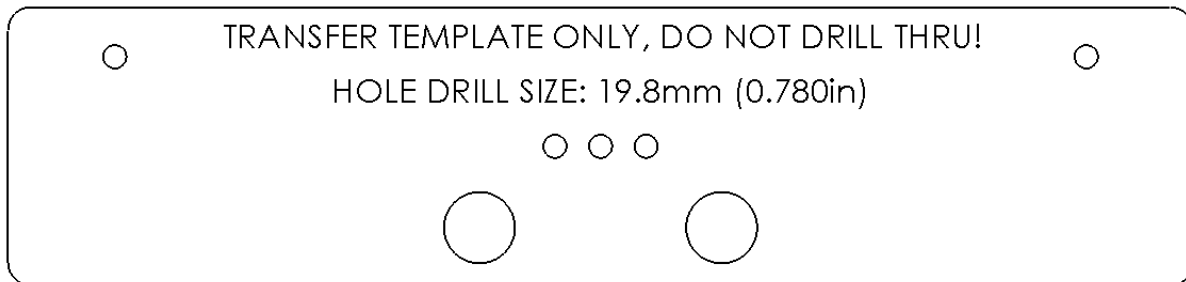
Step 5: As a final safety check, attempt to pull the beams out of the connecting tube. **The beams should not move relative to the connecting tube. If they move or come out of the connecting tube, the beams are not properly installed and the beam is NOT SAFE TO USE. If you find this condition, go back to Step 1. This step is critical. If this continues to occur after repeated attempts, contact Sky Climber for troubleshooting.**

Update Instructions – later production, REV C

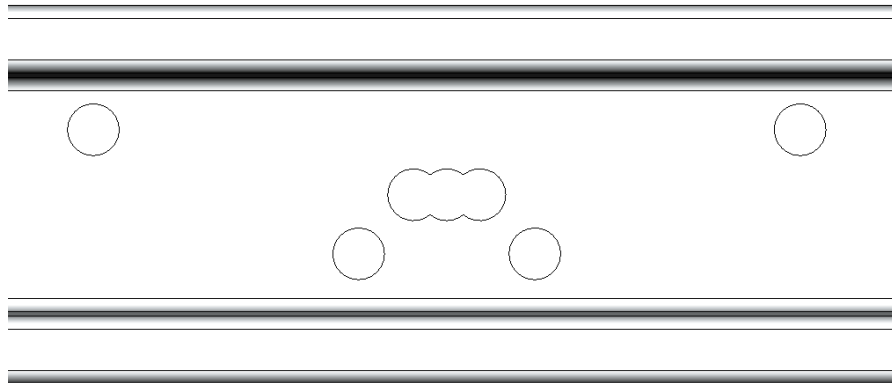
To bring this revision up to the current design, follow these instructions.

Step 1: Remove the existing labels (155-31 & 155-23) to make room for the new labels.

Step 2: Use the two existing pins to position the drill template (4545-1, pictured below) on one side of the connecting tube. Mark the locations for the three center pilot holes to be drilled.



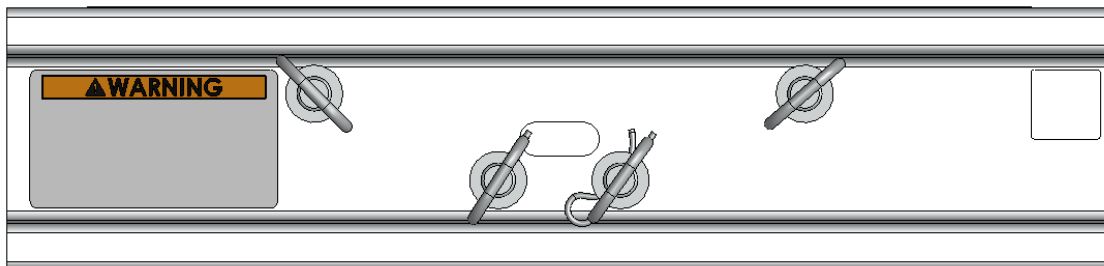
Step 3: Drill a 25/32" hole at those three locations through the side of the connecting tube.



Step 4: Smooth out the sharp features of the middle holes to yield one long smooth slot.

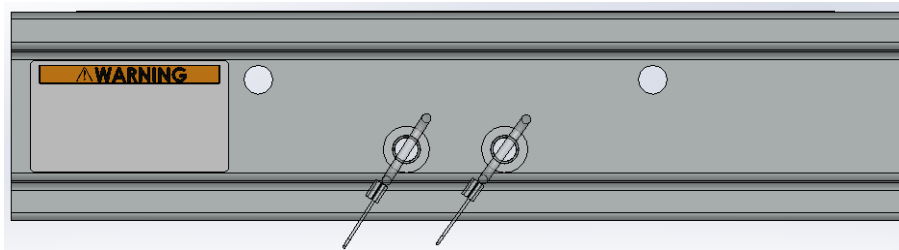
Step 5: Repeat steps 2-4 on the other side of the connecting tube.

Step 6: Order two additional pins (P/N: 154-45-19) to use in the upper holes, two new labels (P/N: 155-310), and two new QR stickers (P/N: BEAM-TUBE-QR-LABEL). Place one label and one QR sticker on each side of the connecting tube, just outside the outer holes (pictured below).



Installation Instructions – REV D

WARNING: Failure to follow these instructions may result in property damage, serious injury, and/or death. Installation should be performed in tandem by at least two (2) sophisticated users to minimize the risk of user error and ensure all aspects of these instructions are followed. If you are unsure whether proper install has been achieved, verify with your PIC and/or contact Sky Climber prior to using in the field.



Step 1: Insert a pin into one of the lower holes of the connecting tube. Slide a beam into the connecting tube from the end closest to the pin until it contacts the pin. Remove the pin, then slide the beam approximately 2" further into the connecting tube. Insert a pin into the hole of the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 2: Install the second beam in the open side of the connecting tube until it contacts the end of the first beam. Insert a pin through the other hole of the connecting tube. The pin should go through the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 3: Secure both pins with a retaining clip.

Step 4 (Inspection): Looking through the upper inspection holes, you should be able to see completely through the connecting tube. If you see the web of the aluminum beam through either of these holes, the beams are not correctly installed.

If the above condition is not met, start over at Step 1.

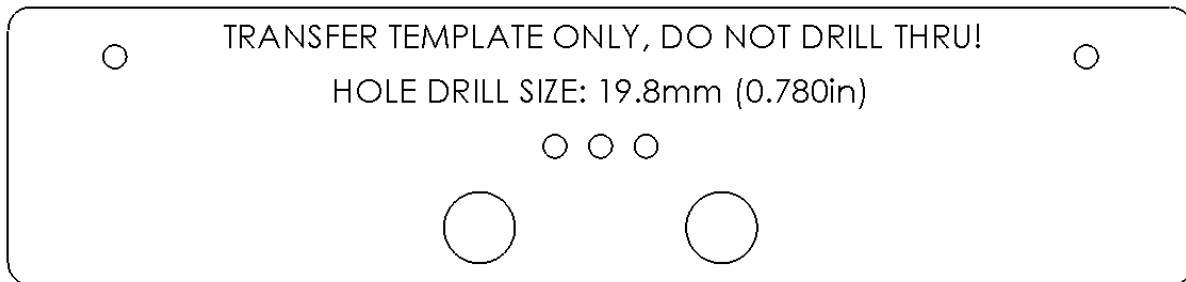
Step 5: As a final safety check, attempt to pull the beams out of the connecting tube. **The beams should not move relative to the connecting tube. If they move or come out of the connecting tube, the beams are not properly installed and the beam is NOT SAFE TO USE. If you find this condition, go back to Step 1. This step is critical. If this continues to occur after repeated attempts, contact Sky Climber for troubleshooting.**

Update Instructions – REV D

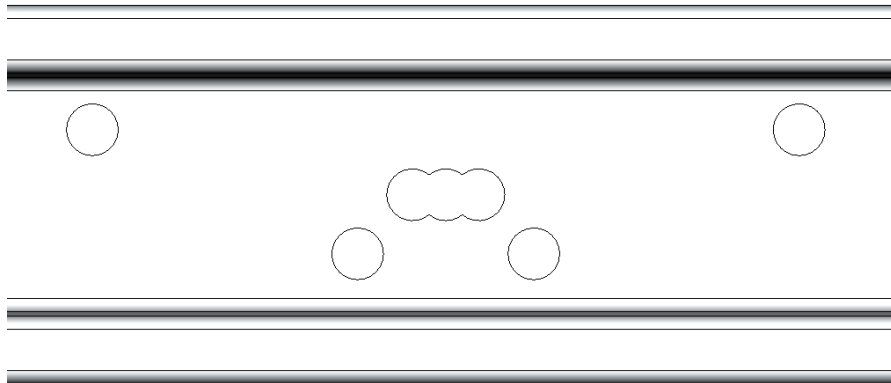
To bring this revision up to the current design, follow these instructions.

Step 1: Remove the existing labels (155-31) to make room for the new labels.

Step 2: Use the two existing pins to position the drill template (4545-1, pictured below) on one side of the connecting tube. Mark the locations for the three center pilot holes to be drilled.



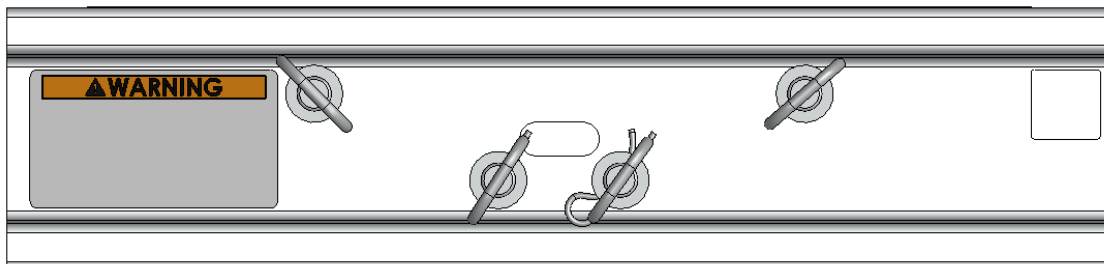
Step 3: Drill a 25/32" hole at those three locations through the side of the connecting tube.



Step 4: Smooth out the sharp features of the middle holes to yield one long smooth slot.

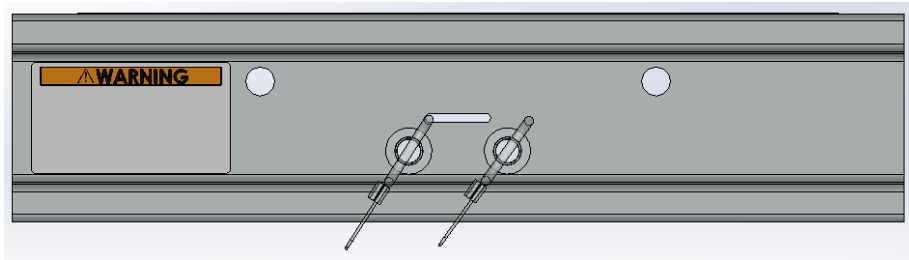
Step 5: Repeat steps 2-4 on the other side of the connecting tube.

Step 6: Order two additional pins (P/N: 154-45-19) to use in the upper holes, two new labels (P/N: 155-310), and two new QR stickers (P/N: BEAM-TUBE-QR-LABEL). Place one label and one QR sticker on each side of the connecting tube, just outside the outer holes (pictured below).



Installation Instructions – REV E

WARNING: Failure to follow these instructions may result in property damage, serious injury, and/or death. Installation should be performed in tandem by at least two (2) sophisticated users to minimize the risk of user error and ensure all aspects of these instructions are followed. If you are unsure whether proper install has been achieved, verify with your PIC and/or contact Sky Climber prior to using in the field.



Step 1: Insert a pin into one of the holes of the connecting tube. Slide a beam into the connecting tube from the end closest to the pin until it contacts the pin. Remove the pin, then slide the beam approximately 2" further into the connecting tube. Insert a pin into the hole of the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 2: Install the second beam in the open side of the connecting tube until it contacts the end of the first beam. Insert a pin through the other hole of the connecting tube. The pin should go through the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 3: Secure both pins with a retaining clip.

Step 4 (Inspection): Looking through the two outer holes, you should be able to see completely through these holes. If you see the web of the aluminum beam through either of these holes, the beams are not correctly installed. Additionally, looking through the inspection slot, you should be able to see the web of both rigging beams with a small gap between them at the center.

If the above conditions are not met, start over at Step 1.

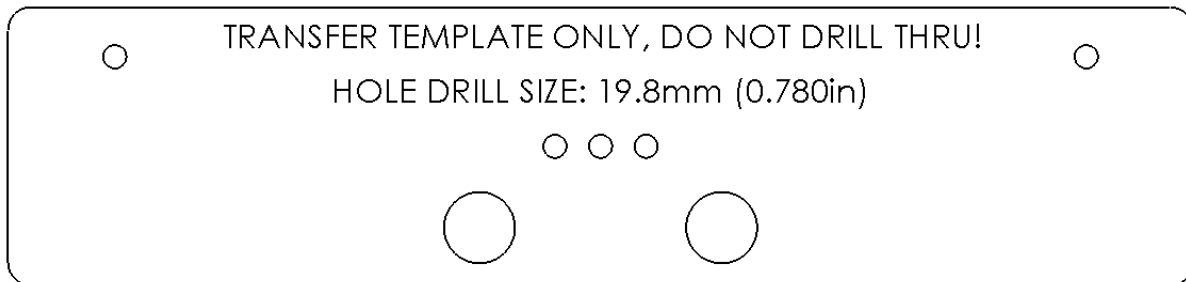
Step 5: As a final safety check, attempt to pull the beams out of the connecting tube. **The beams should not move relative to the connecting tube. If they move or come out of the connecting tube, the beams are not properly installed and the beam is NOT SAFE TO USE. If you find this condition, go back to Step 1. This step is critical. If this continues to occur after repeated attempts, contact Sky Climber for troubleshooting.**

Update Instructions – REV E

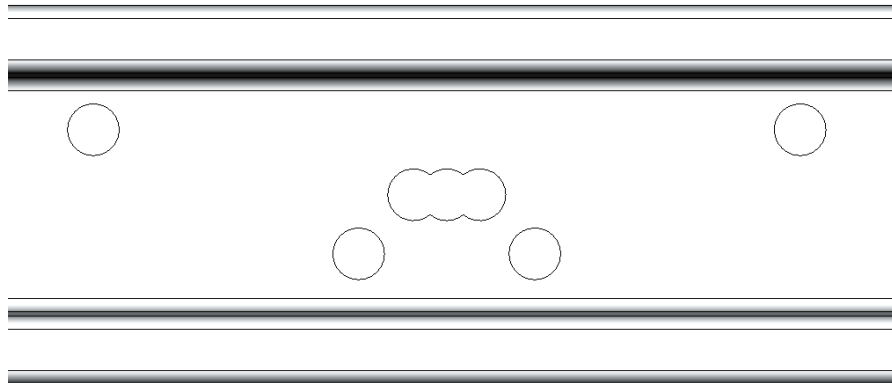
To bring this revision up to the current design, follow these instructions.

Step 1: Remove the existing labels (155-31) to make room for the new labels.

Step 2: Use the two existing pins to position the drill template (4545-1, pictured below) on one side of the connecting tube. Mark the locations for the three center pilot holes to be drilled.



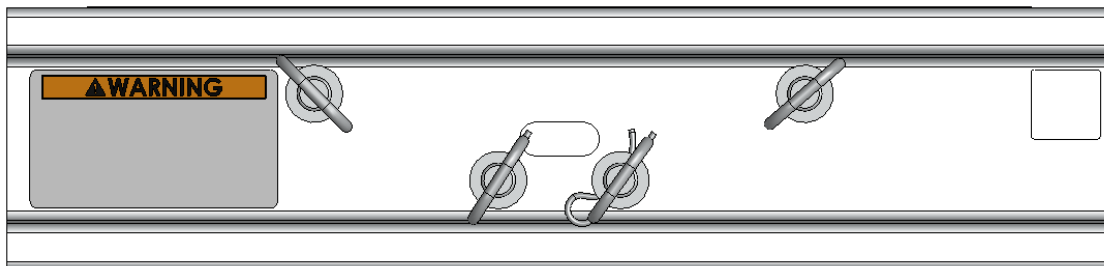
Step 3: Drill a 25/32" hole at those three locations through the side of the connecting tube.



Step 4: Smooth out the sharp features of the middle holes to yield one long smooth slot.

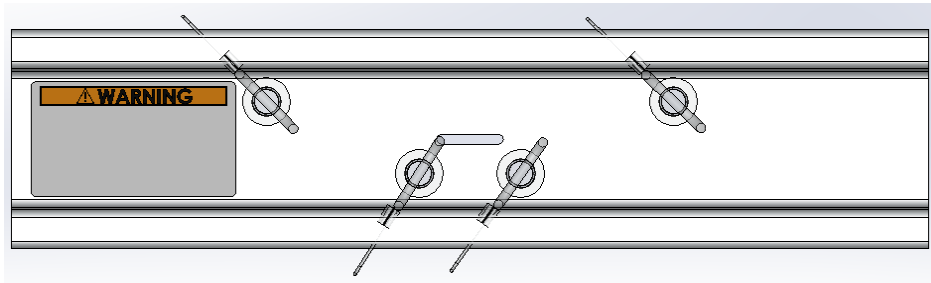
Step 5: Repeat steps 2-4 on the other side of the connecting tube.

Step 6: Order two additional pins (P/N: 154-45-19) to use in the upper holes, two new labels (P/N: 155-310), and two new QR stickers (P/N: BEAM-TUBE-QR-LABEL). Place one label and one QR sticker on each side of the connecting tube, just outside the outer holes (pictured below).



Installation Instructions – REV F

WARNING: Failure to follow these instructions may result in property damage, serious injury, and/or death. Installation should be performed in tandem by at least two (2) sophisticated users to minimize the risk of user error and ensure all aspects of these instructions are followed. If you are unsure whether proper install has been achieved, verify with your PIC and/or contact Sky Climber prior to using in the field.



Step 1: Insert a pin into one of the holes of the connecting tube. Slide a beam into the connecting tube from the end closest to the pin until it contacts the pin. Remove the pin, then slide the beam approximately 2" further into the connecting tube. Insert a pin into the hole of the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 2: Install the second beam in the open side of the connecting tube until it contacts the end of the first beam. Insert a pin through the other hole of the connecting tube. The pin should go through the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 3: Secure both pins with a retaining clip.

Step 4 (Inspection): Looking through the two outer holes, you should be able to see completely through these holes. If you see the web of the aluminum beam through either of these holes, the beams are not correctly installed. Additionally, looking through the inspection slot, you should be able to see the web of both rigging beams with a small gap between them at the center.

Step 5: Insert the final two pins into the two upper holes in the connecting tube. If the pins cannot be inserted through either of these holes, the beams are not properly installed. If the pins pass completely through, secure both of these pins with a retaining clip.

If the above conditions from Step 4 or Step 5 are not met, start over at Step 1.

Step 6: As a final safety check, attempt to pull the beams out of the connecting tube. **The beams should not move relative to the connecting tube. If they move or come out of the**



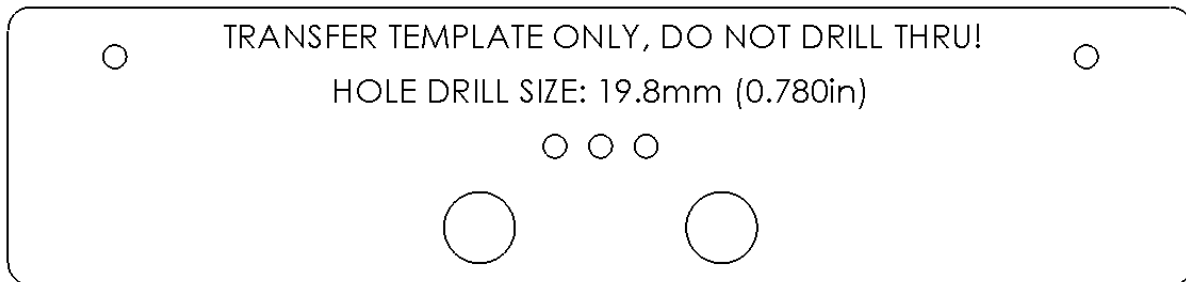
connecting tube, the beams are not properly installed and the beam is **NOT SAFE TO USE**. If you find this condition, go back to Step 1. This step is critical. If this continues to occur after repeated attempts, contact Sky Climber for troubleshooting.

Update Instructions – REV F

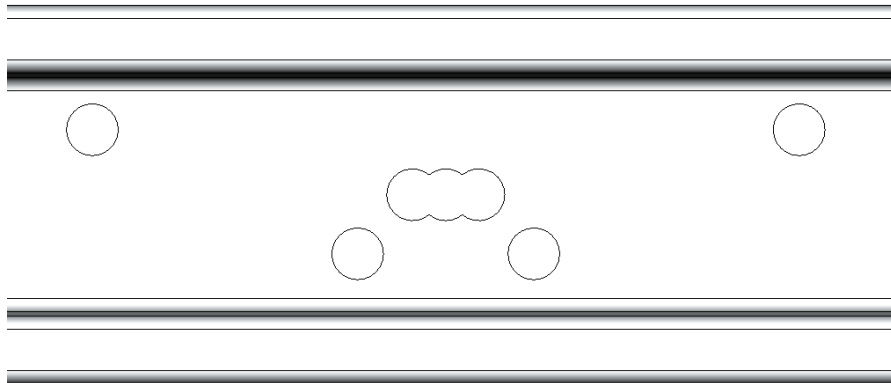
To bring this revision up to the current design, follow these instructions.

Step 1: Remove the existing labels (155-31) to make room for the new labels.

Step 2: Use the two existing pins to position the drill template (4545-1, pictured below) on one side of the connecting tube. Mark the locations for the three center pilot holes to be drilled.



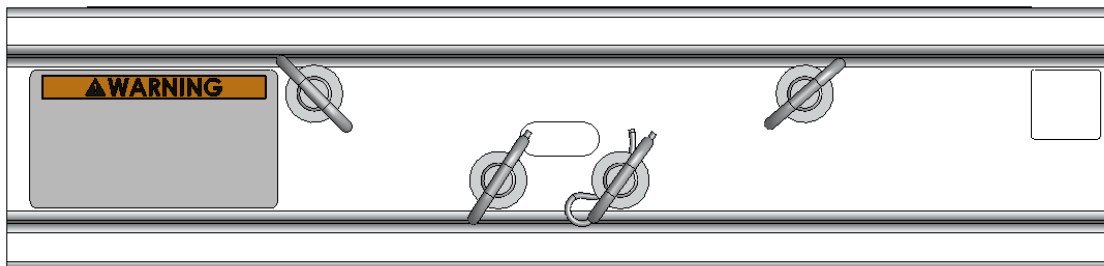
Step 3: Drill a 25/32" hole at those three locations through the side of the connecting tube.



Step 4: Smooth out the sharp features of the middle holes to yield one long smooth slot.

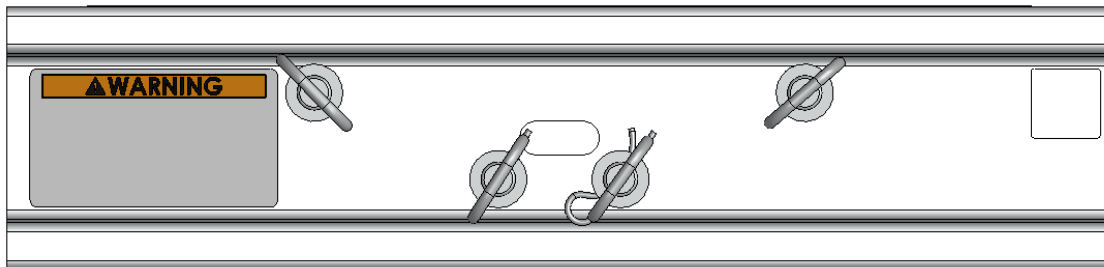
Step 5: Repeat steps 2-4 on the other side of the connecting tube.

Step 6: Order two additional pins (P/N: 154-45-19) to use in the upper holes, two new labels (P/N: 155-310), and two new QR stickers (P/N: BEAM-TUBE-QR-LABEL). Place one label and one QR sticker on each side of the connecting tube, just outside the outer holes (pictured below).



Installation Instructions – REV G

WARNING: Failure to follow these instructions may result in property damage, serious injury, and/or death. Installation should be performed in tandem by at least two (2) sophisticated users to minimize the risk of user error and ensure all aspects of these instructions are followed. If you are unsure whether proper install has been achieved, verify with your PIC and/or contact Sky Climber prior to using in the field.



Step 1: Insert a pin into one of the holes of the connecting tube. Slide a beam into the connecting tube from the end closest to the pin until it contacts the pin. Remove the pin, then slide the beam approximately 2" further into the connecting tube. Insert a pin into the hole of the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 2: Install the second beam in the open side of the connecting tube until it contacts the end of the first beam. Insert a pin through the other hole of the connecting tube. The pin should go through the connecting tube, through the web of the rigging beam, and out the opposite side of the connecting tube.

Step 3: Secure both pins with a retaining clip.

Step 4 (Inspection): Looking through the two outer holes, you should be able to see completely through these holes. If you see the web of the aluminum beam through either of these holes, the beams are not correctly installed. Additionally, looking through the inspection slot, you should be able to see the web of both rigging beams with a small gap between them at the center.

Step 5: Insert the final two pins into the two upper holes in the connecting tube. If the pins cannot be inserted through either of these holes, the beams are not properly installed. If the pins pass completely through, secure both of these pins with a retaining clip.

If the above conditions from Step 4 or Step 5 are not met, start over at Step 1.

Step 6: As a final safety check, attempt to pull the beams out of the connecting tube. **The beams**

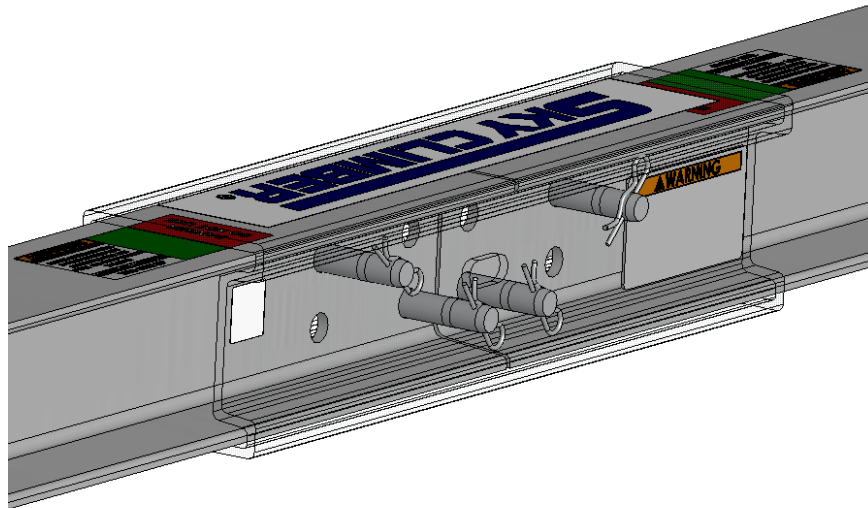
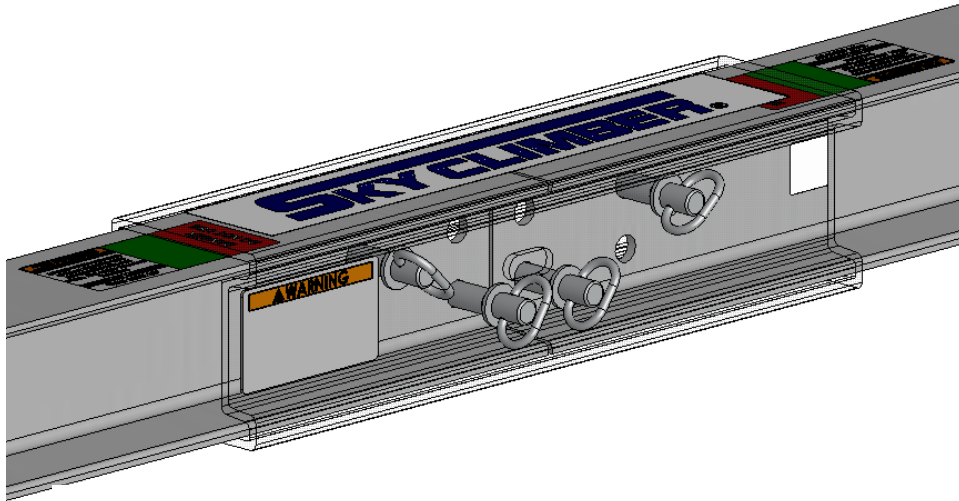


should not move relative to the connecting tube. If they move or come out of the connecting tube, the beams are not properly installed and the beam is **NOT SAFE TO USE**. If you find this condition, go back to Step 1. This step is critical. If this continues to occur after repeated attempts, contact Sky Climber for troubleshooting.

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For questions related to this installation procedure, contact your local dealer or Sky Climber Technical or Customer Service at 1-800-255-4629.