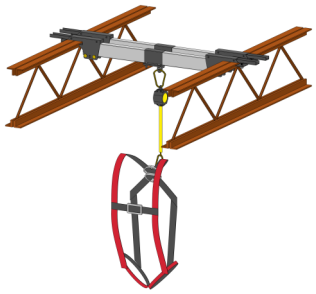
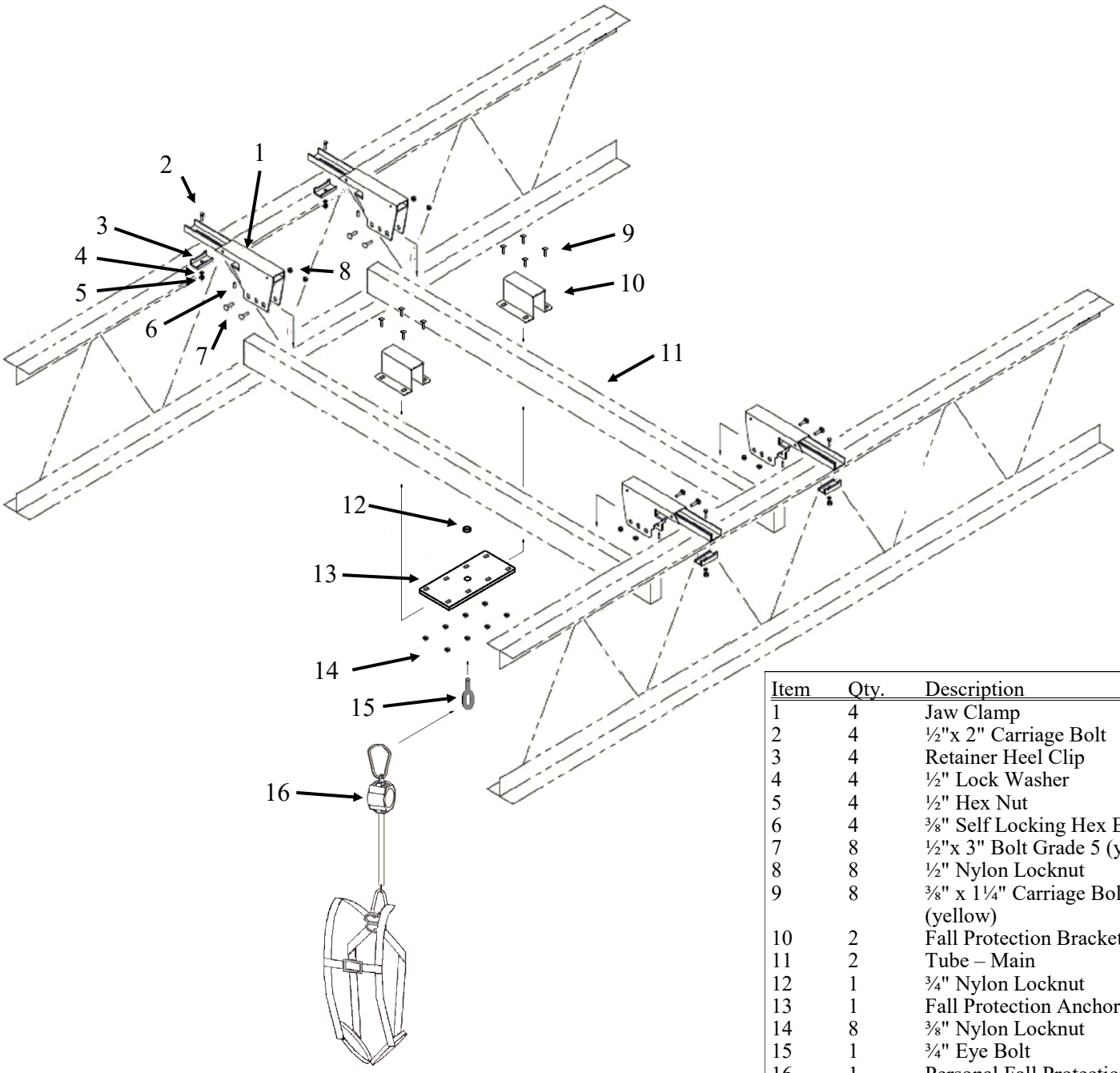


Fall Protection Anchorage System Installation Guide

For use with Joists and Corrugated Roofs



Item	Qty.	Description
1	4	Jaw Clamp
2	4	½"x 2" Carriage Bolt
3	4	Retainer Heel Clip
4	4	½" Lock Washer
5	4	½" Hex Nut
6	4	⅜" Self Locking Hex Bolt
7	8	½"x 3" Bolt Grade 5 (yellow)
8	8	½" Nylon Locknut
9	8	⅜" x 1¼" Carriage Bolt Grade 5 (yellow)
10	2	Fall Protection Bracket Clamp
11	2	Tube – Main
12	1	¾" Nylon Locknut
13	1	Fall Protection Anchor Plate
14	8	⅜" Nylon Locknut
15	1	¾" Eye Bolt
16	1	Personal Fall Protection Equipment (Not Supplied)

WARNING:
Any modification to or additional loading of a joist must be reviewed by a structural engineer. Each Chicago Clamp System® application must be selected under the supervision of a structural engineer. Chicago Clamp Systems® do NOT increase the load capacity of any structure. Chicago Clamp Company takes no responsibility for the load capacity of any existing structure.

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CHICAGO CLAMP™ CO
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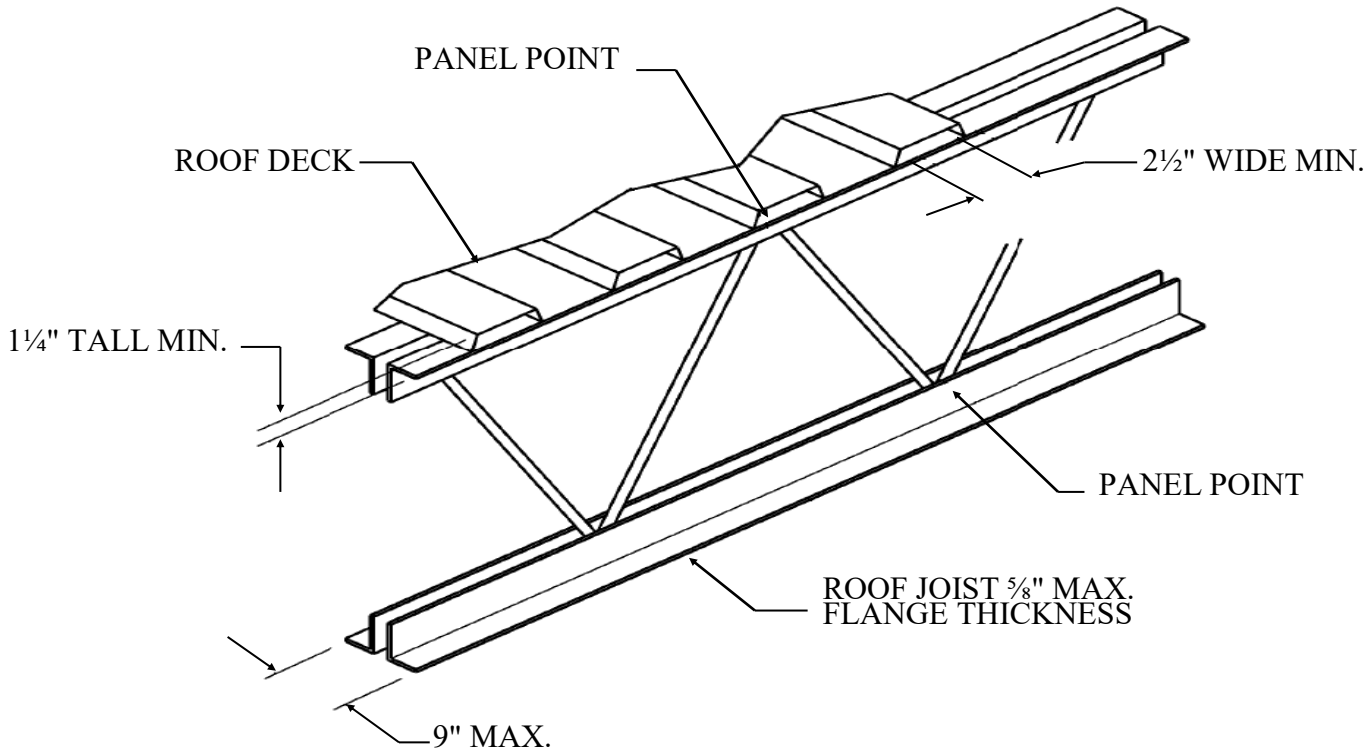
Fall Protection Anchorage System Installation Guide Continued

FIRST STEPS:

Check with a Structural Engineer for: additional joist loading or relocation of existing loads.

Check the roof deck pocket and joists for clamp clearance:
1 ¼" Min. Height, 2 ½" Min. Width, 9" Max. Chord Width, ⅝" Max. Joist Flange Thickness



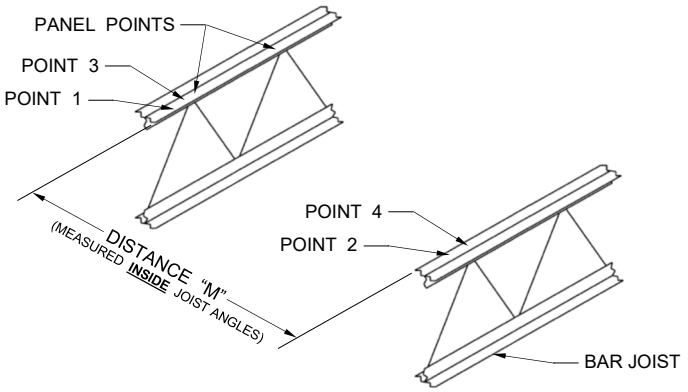
Check that the area is clear for the Fall Protection Anchorage System.
Example: Ensure area is free from utility piping.

WARNING:

Use only tubing that is HSS 4"x 2"x ⅛", A500, Grade B or better. Use only hardware supplied with Fall Protection Anchorage System kit. ½" x 3" Carriage Bolts supplied are Grade 5 and dyed yellow for easy identification. Always install the square head of carriage bolt into the square slot. The use of tubing or carriage bolts less than the specified grades will drastically reduce capacity of Fall Protection Anchorage System.

Fall Protection Anchorage System Installation Guide Cont'd

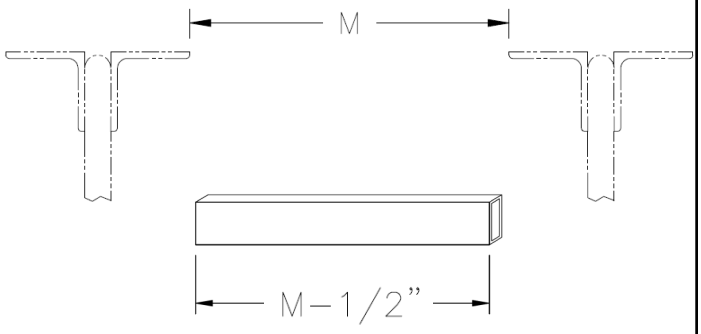
1



Identify four points on parallel bar joists that form a rectangle in adjacent roof deck pockets. Jaw Clamps must be over Panel Points or one deck pocket away.

Panel Points—where Diagonal Truss members are attached to top or bottom angles (chord).

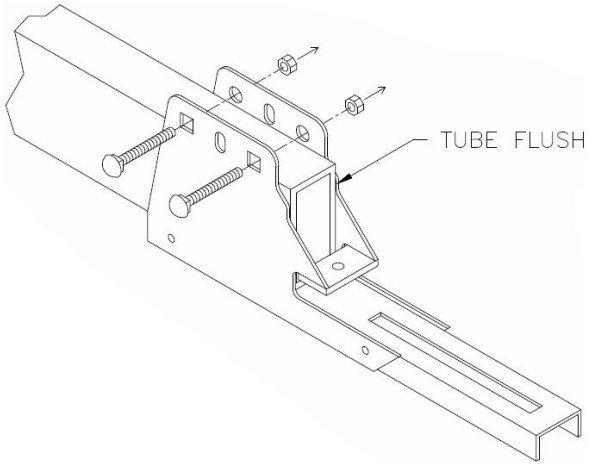
2



Measure the distance "M" inside joist angles as shown. Take measurement "M" and subtract ½". Cut Main Tubes to this length.

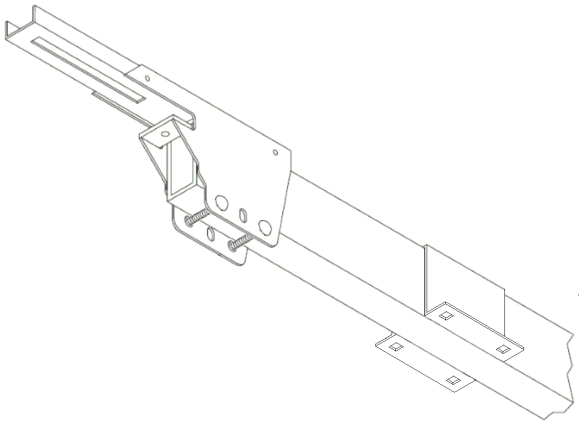
M - ½" = length of Main Tubes

3



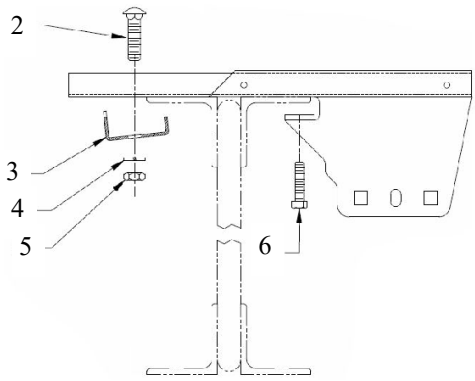
Insert Main Tube (11) into Jaw Clamp (1) so that tubing is flush with the noted flush point as shown above and in step 7. Secure bolts (7) with locknuts (8) and tighten.

4



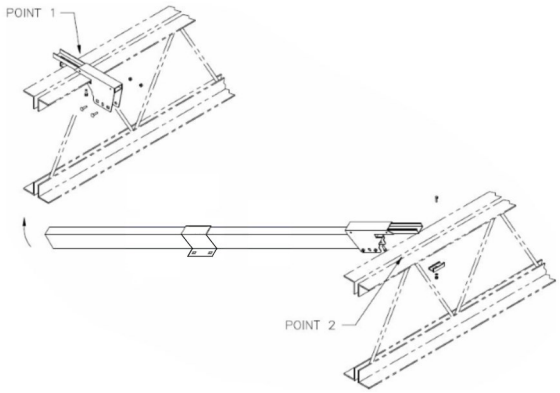
Place one of the Fall Protection Bracket Clamps (10) over Main Tube(11).

5



Slide the next Jaw Clamp into the deck opening over the joist at Point 1 and center in pocket. Attach with the Heel Clip (3),Carriage Bolt (2), Lock Washer (4), Hex Nut (5), and tighten. Make sure to set the Jaw Clamp so the self locking bolt (6) will tighten squarely on the joist flange as shown. Do not tighten the self locking bolt until the Jaw Clamp is in position.

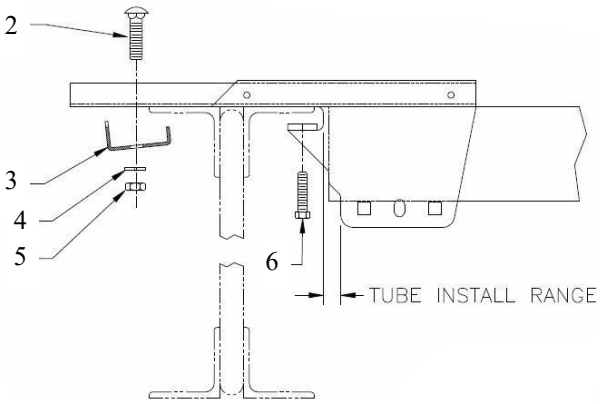
6



Slide the Jaw Clamp attached to the Main Tube into the deck opening above Point 2. Then, supporting the tube, follow the corrugation across and attach the other end of the tube to the Jaw Clamp at Point 1. Tubing should be fully inserted into the Jaw Clamp and flush with the flush point shown in step 3. **Note:** It may be necessary to install both Jaw Clamps separately and then insert the tube.

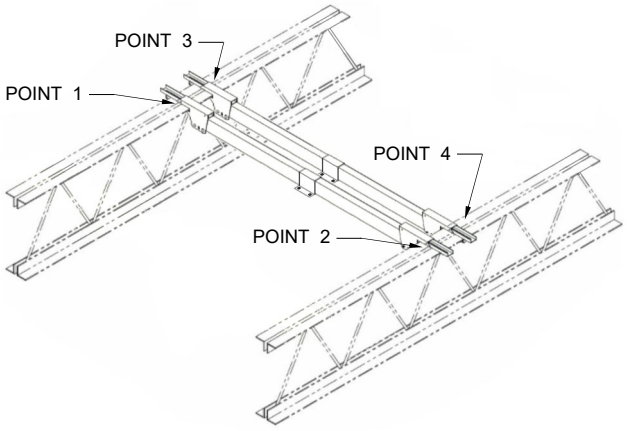
Fall Protection Anchorage System Installation Guide Cont'd

7



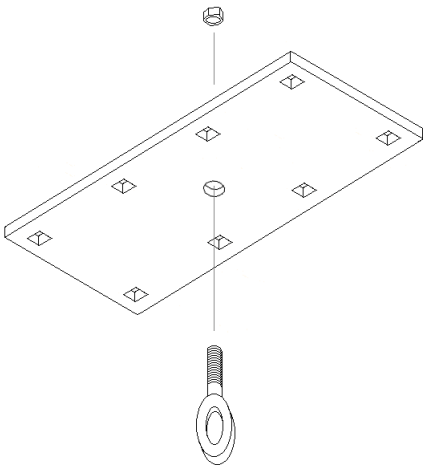
When completely installed, each Jaw Clamp should be attached to the joist with the heel clip (3) as well as the self locking bolt (6). The Main Tube (11) should be set within the specified range as shown above. **Note:** Be sure to clear the edge when attaching bolts and heel clip to a cold formed joist.

8



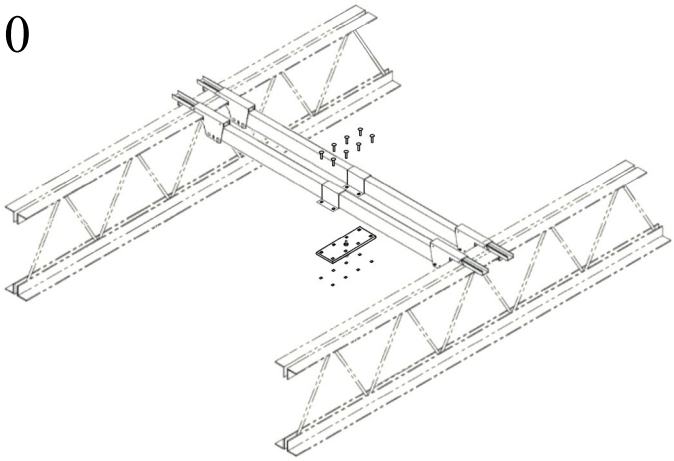
Repeat steps 3-7 for the second Main Tube in roof deck opening above Point 3 and Point 4. Make sure the Main Tubes and Jaw Clamps are aligned and tight.

9



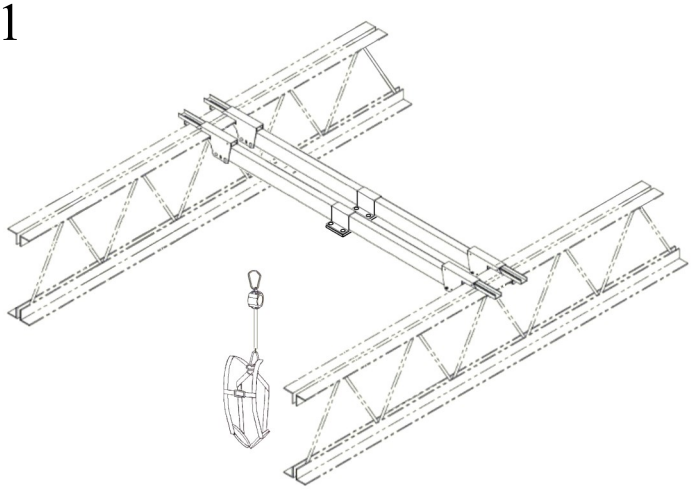
Insert the ¾" Eye Bolt (15) and secure with the ¾" Nylon Lock Nut (12).

10

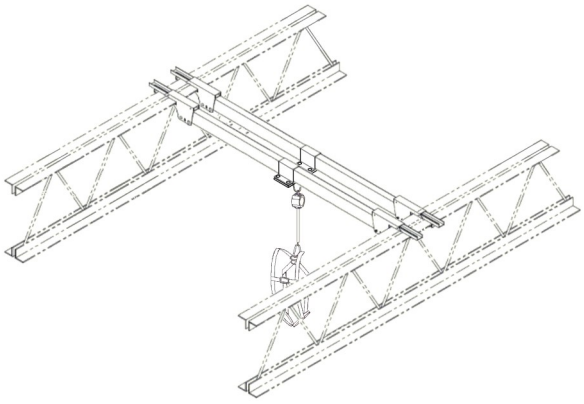


Align the Fall Protection Bracket Clamps on each tube with each other. Insert Carriage Bolts (9)(qty:8) into the Fall Protection Bracket Clamps from the top down. Install the Fall Protection Anchor Plate (13) and secure with the Nylon Lock Nuts (14). Tighten all connections.

11



Connect Personal Fall Protection Equipment (16)(not supplied) to the Eye Bolt installed in step 10.



Assembly is now complete.