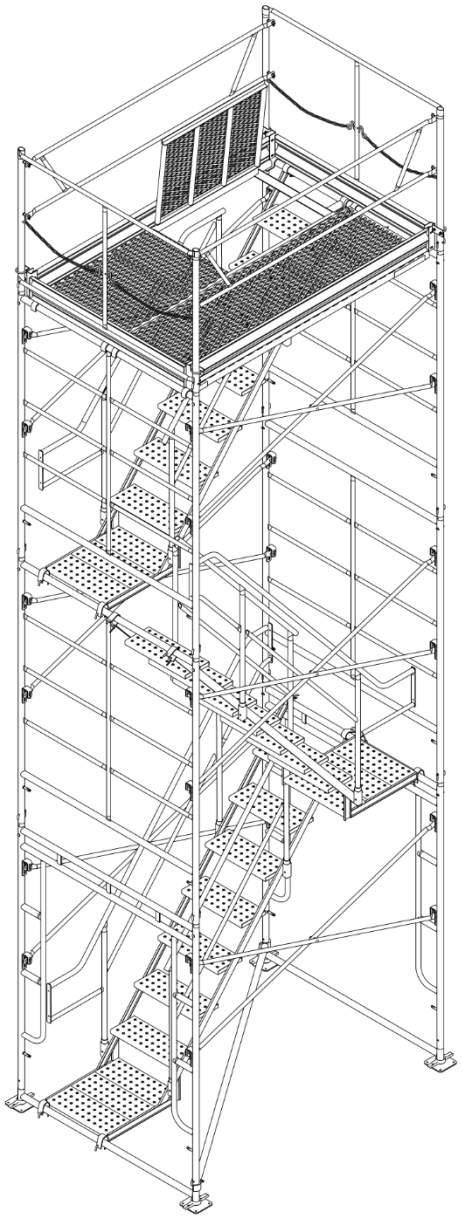
SCAFFOLD STAIR TOWER

Assembly Instructions

All Drawings Are For Illustration Only.



BILJAX Haulotte

- Page 2 for 6 FT 6 IN Stairs
- Page 9 for 5 FT Stairs

P/N: LL-204-99 REV A
Last Revision: October 2026

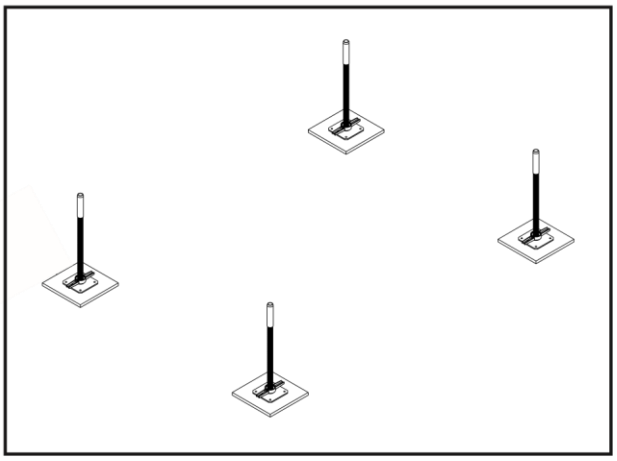
PART 1 - ASSEMBLING BASE SECTION

STEP 1 - ASSEMBLING BASE

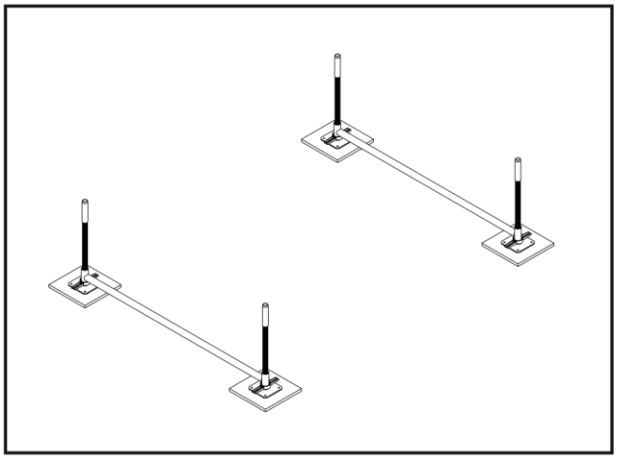
Determine the exact location where the scaffold stair tower will be erected. Mudsills are required if on soft ground.

A) Set the four leveling jacks (place on mudsills if needed).
B) Add the two stair platform rests on top of the leveling nuts.
C) Place the two open end frames on top of the platform rests on the leveling jack.
D) Attach cross braces.

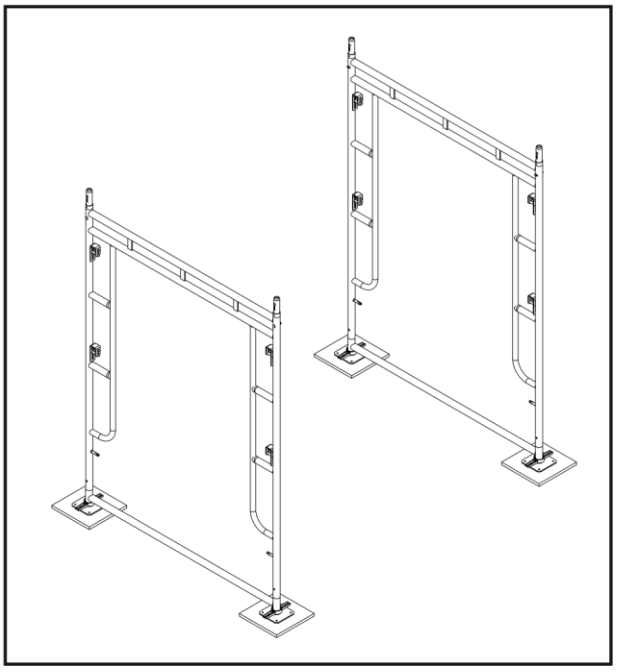
A



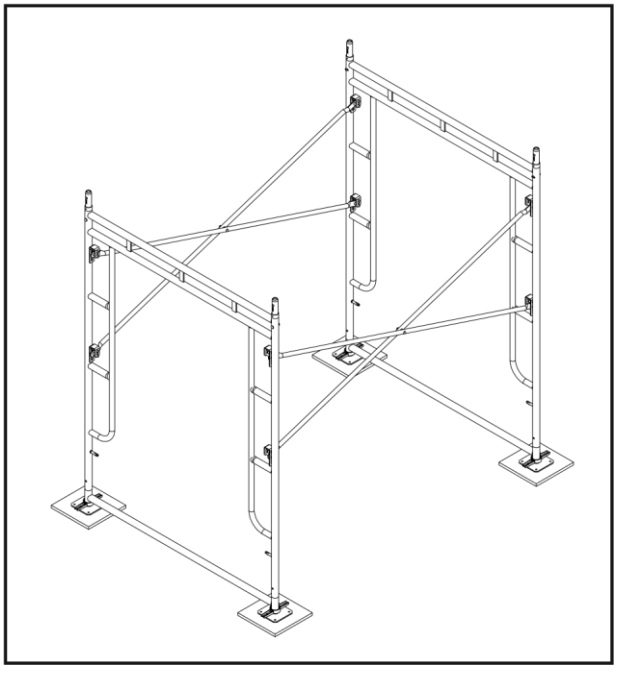
B



C



D



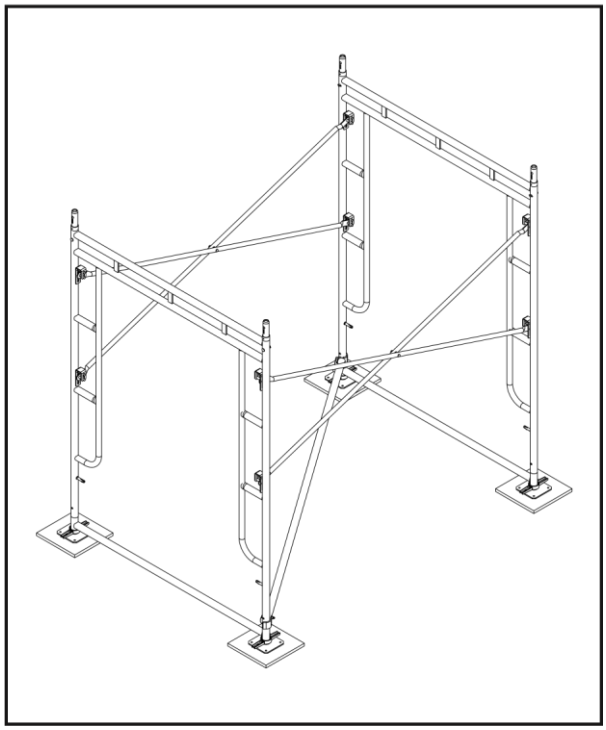
STEP 1 - ASSEMBLING BASE (continued)

E) Level the base section.

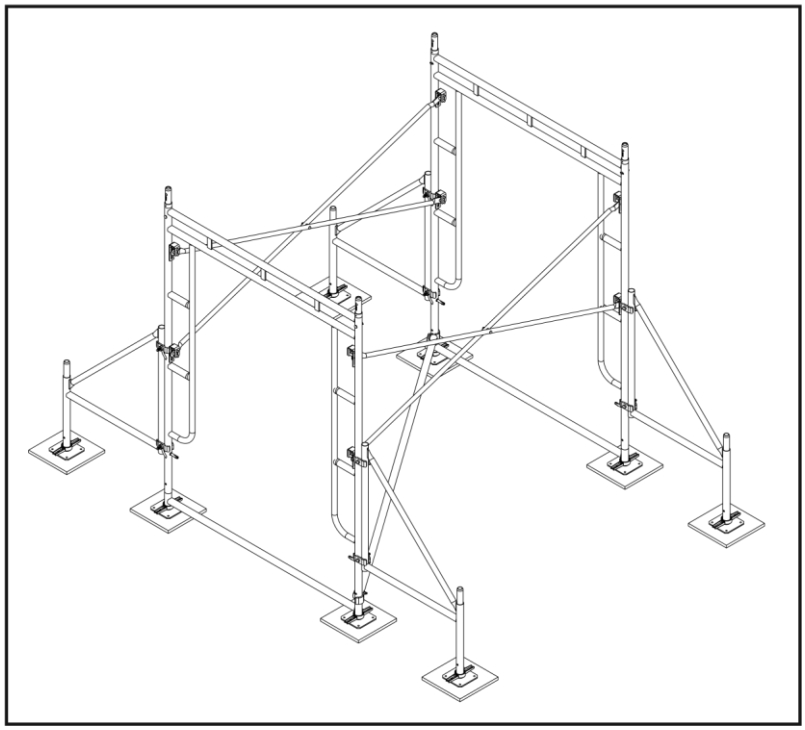
F) Add cat-a-corner squaring brace.

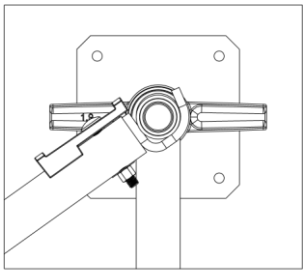
G) Attach outriggers, if needed. **NOTE: Check your city, state, and federal regulations before assembly for outrigger and tie off use.**

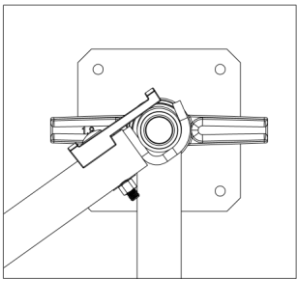
F



G





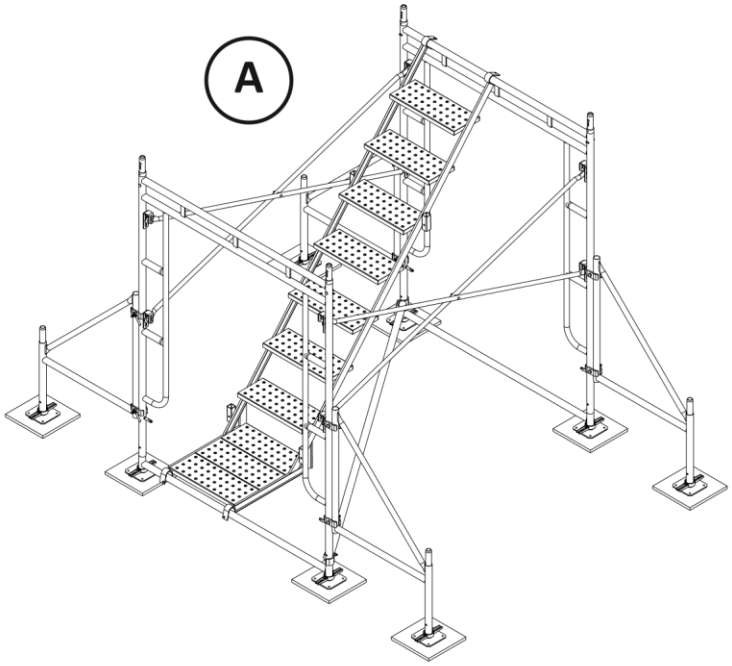


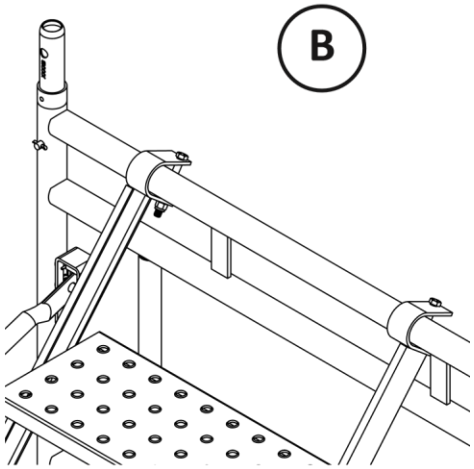
Side **One**

STEP 2 - ATTACHING FIRST STAIR SECTION

A) Set the first stair section on the left side. Place and hook the bottom portion in first and then the top.

B) Secure the stair section to the scaffold frame with nuts and bolts.





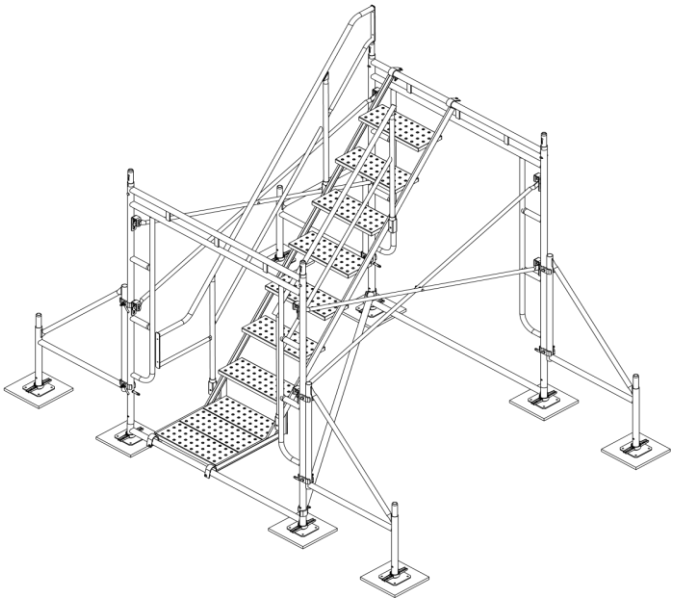
STEP 3 - ATTACHING STAIR HANDRAILS

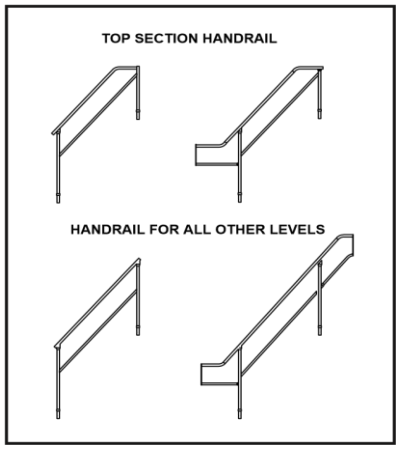
A) Attach outside handrail (larger one) onto the stair section. Place bottom portion in first and then the top.

B) Then attach the inside handrail.

C) Secure both handrails in place with snap pins.

NOTE: There are two different sets of handrails. One set is noticeably different and is for the top section only.





PART 2 - ASSEMBLING MIDDLE SECTION(S)

To figure out the number of middle sections needed, subtract 13 feet from your desired tower height, and then divide by 6.5. **Example: (80 – 13 = 67) and (67/6.5=10.3). An 80' H stair tower will need 10 middle sections.**

When going three or four sections and higher, you will need to secure your tower to an existing permanent structure or wall with a scaffold tie off brace, every third/fourth section. A cat-a-corner brace is needed at each section a tie-off is used.

*****Check your city, state, and federal regulations before assembly.*****

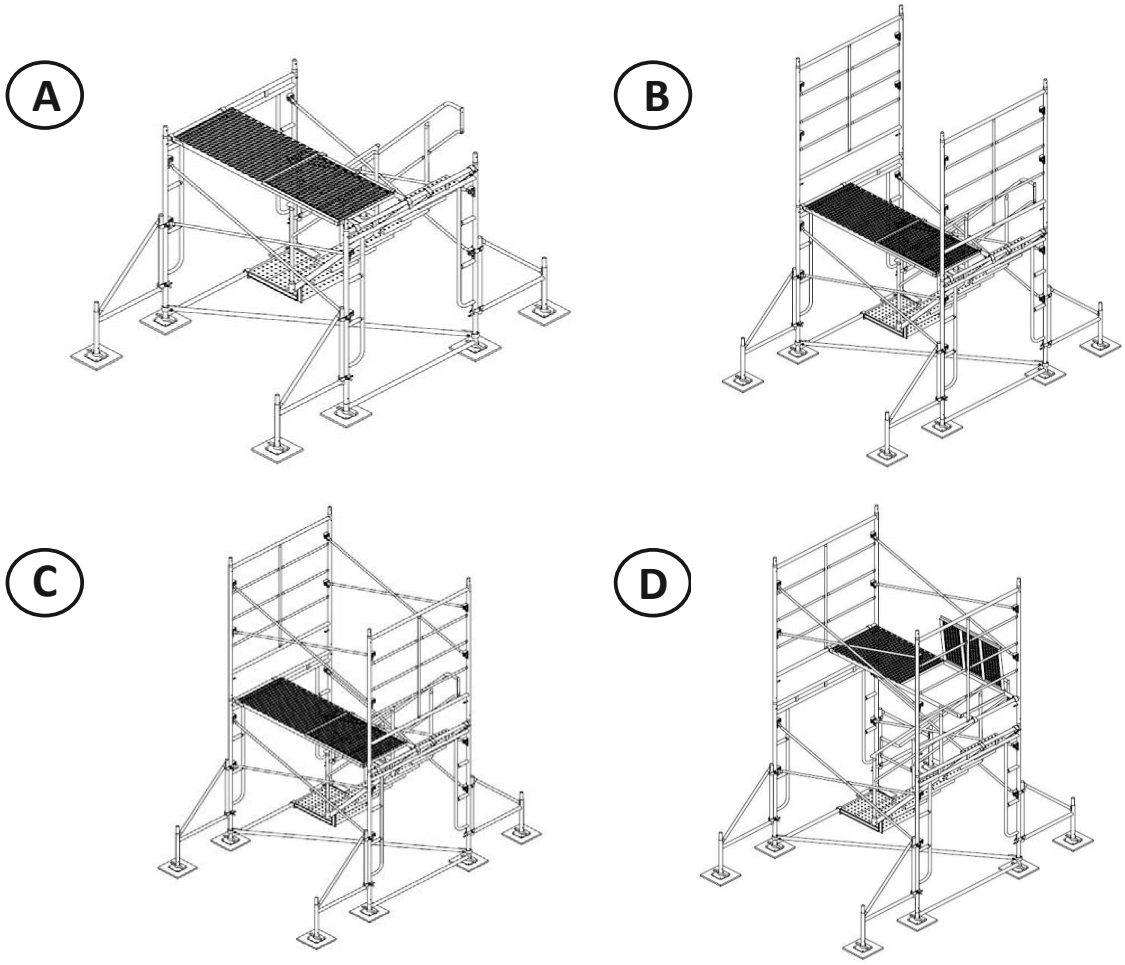
STEP 1 - ADDING NEXT FRAME SECTION

A) Place hinged walkboard directly above the first stair section on the left with the hinged door opening toward the outside against the cross brace. Secure in place with wind latches.

B) Add two double step frames and secure in place with hinge pins. Double Step frames will be used for the entire middle section

C) Attach cross braces.

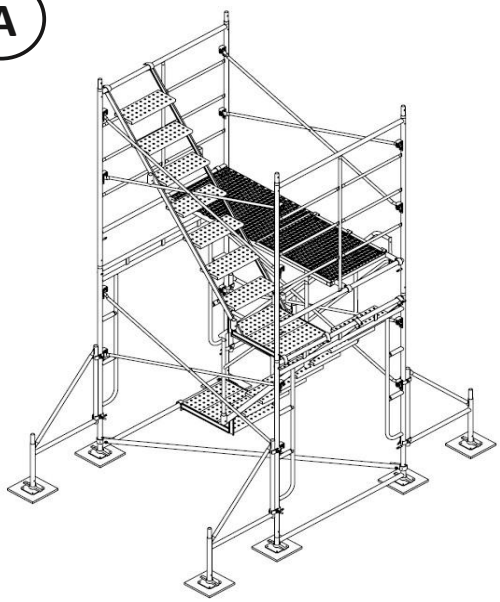
D) Move hinged walkboard to the bottom ledger of the double step frames just added, and slide above stair unit, while employing wind latches, to prepare for the next step.



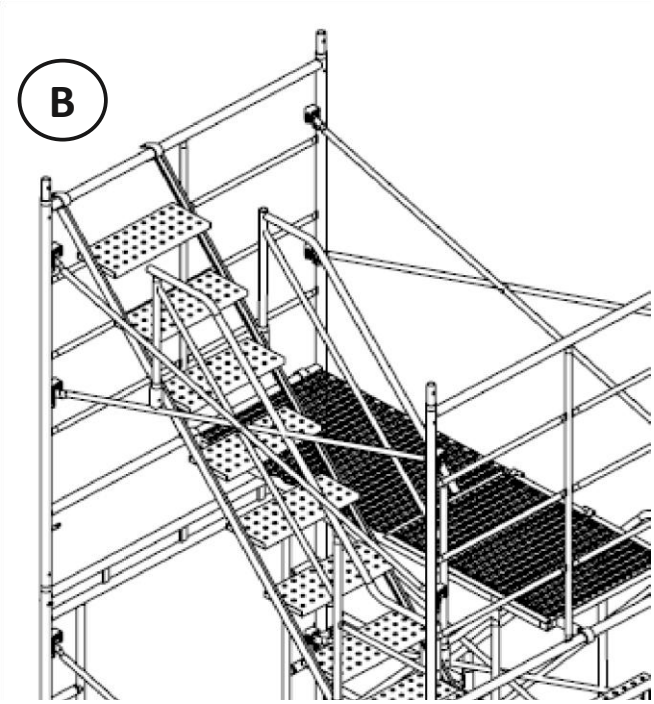
STEP 2 - ADDING NEXT STAIR SECTION

A) Place next stair section on the opposite side as the first stair section. Secure in place.
B) Add handrails and secure in place.
C) Move hinged walkboard directly above the stair section you just placed.
D) Continue adding sections as needed, until complete.

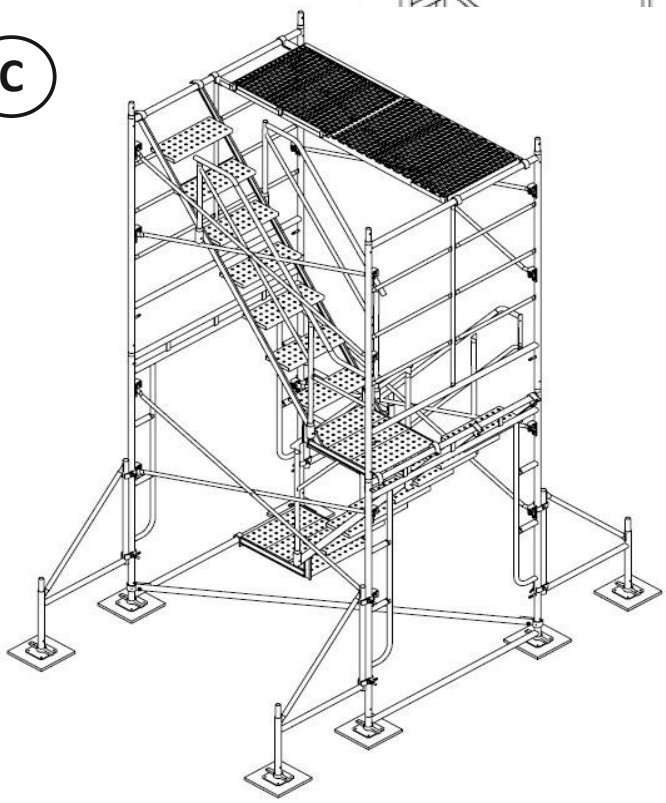
A



B



C

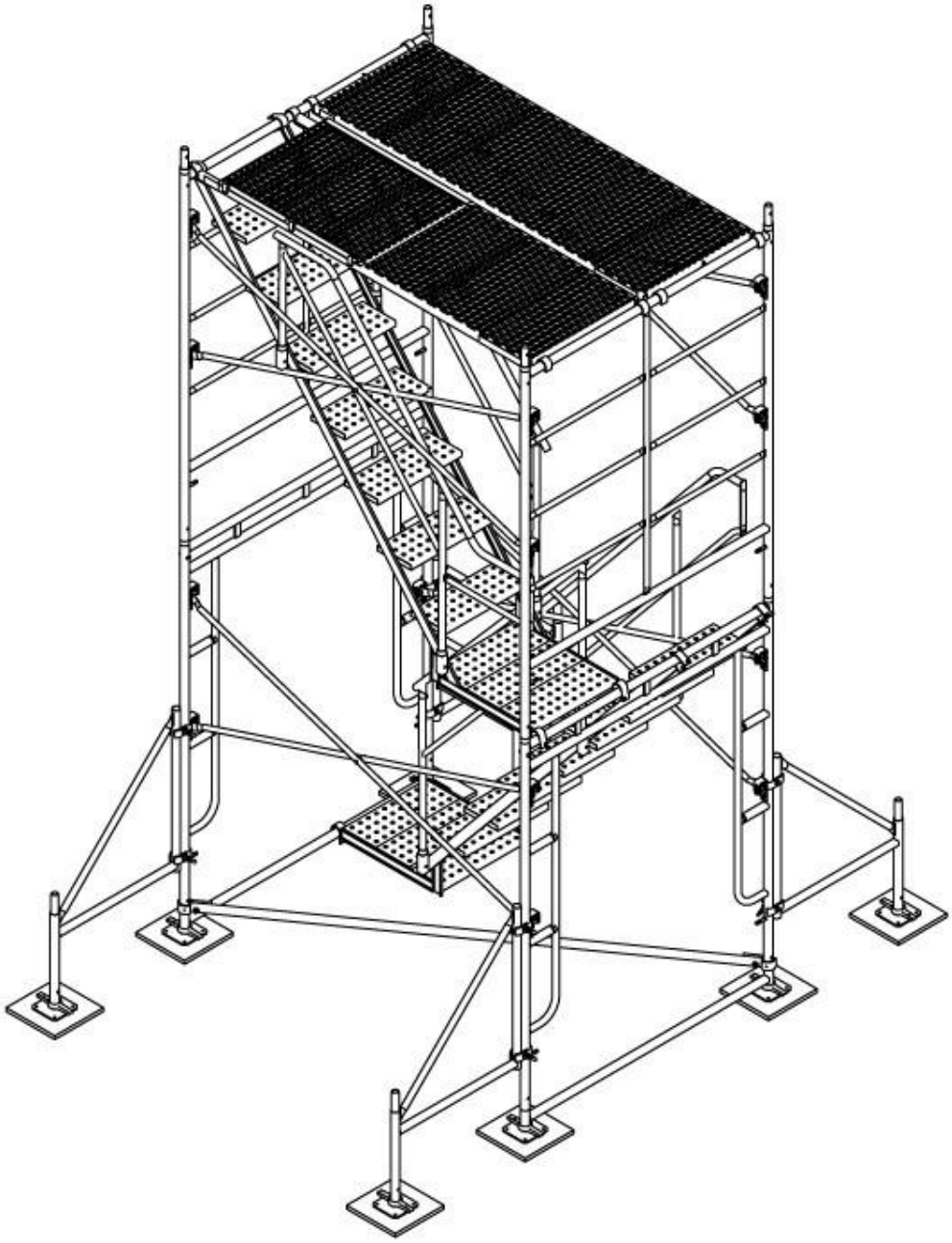


PART 3 - ASSEMBLING THE TOP SECTION

STEP 1 - FINISHING SURFACE

A) Place a second walkboard next to hinged walkboard, to make a complete solid working surface, as required by OSHA.

A

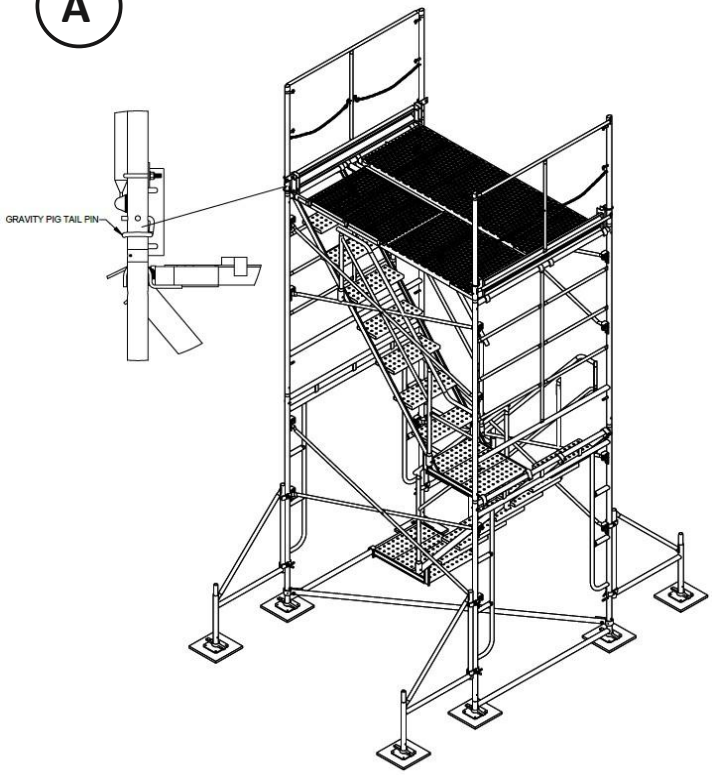


STEP 2 - ADDING GUARDRAILS

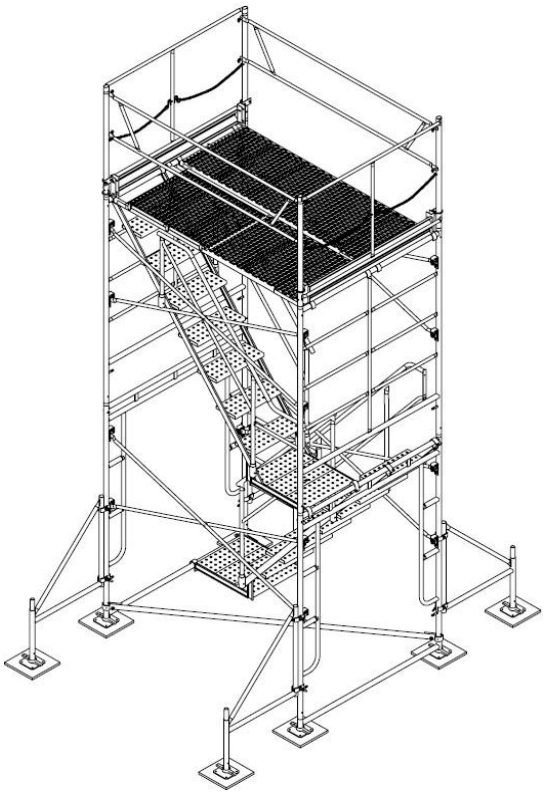
A) Add end panels and secure in place with hinge pins.
B) Then, add the side panels.
C) Lastly, add toeboards and secure in place with hinge pins.

! <u>WARNING</u> ! – Failure to correctly install handrails could result in serious injury or death. Verify that all hex nuts and fastening pins are tightened.

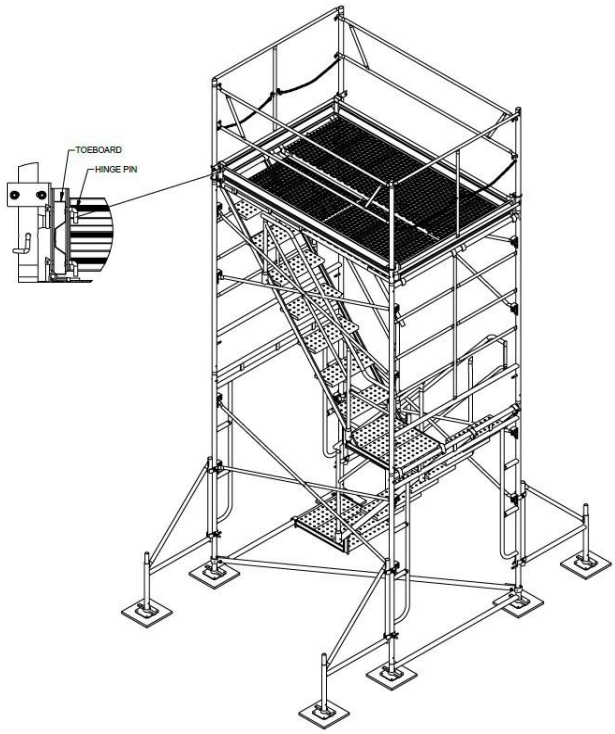
A



B

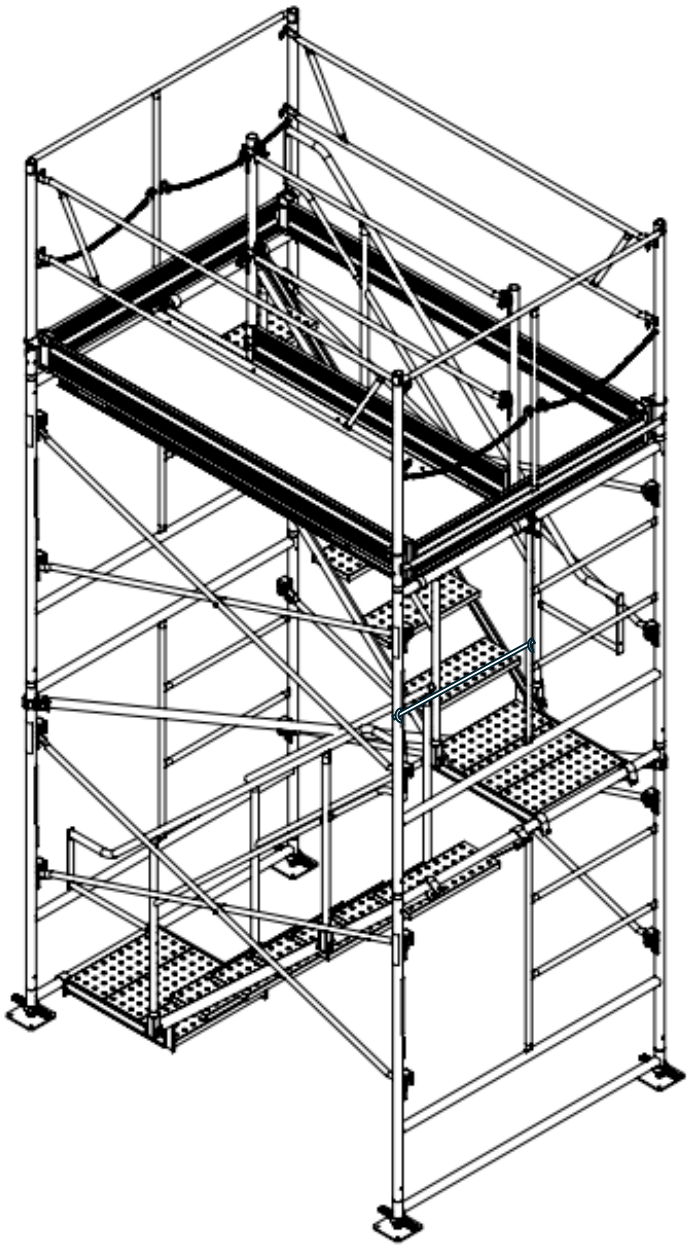


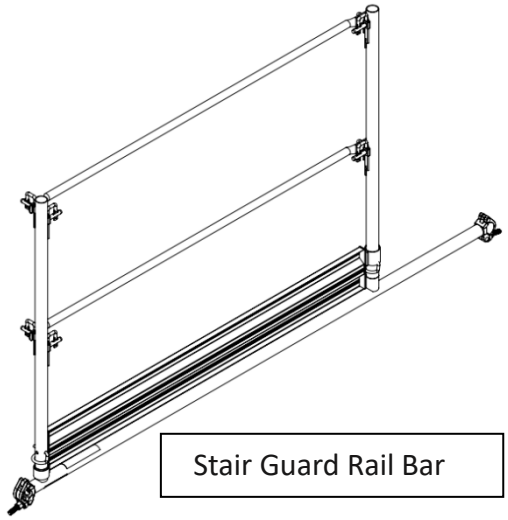
C



FOR 5 FT STAIR UNITS

- Follow the same method of assembly as described on the previous pages while using a 5 FT step frame.
- Ensure all openings on frames are closed off with proper guard rail in accordance with OSHA requirements.
- Stair Tower Height will be determined by dividing total height by 5 FT. Example: a 30 FT stair tower would require 6 sections (30 FT /5 FT = 6).
- The top of the stair tower can be completed with a fully solid surface by using a hinged walkboard or with a Stair Guard Rail Bar to provide access and secure with guard rail.
- When using the Stair Guard Rail Bar, ensure clamps are sufficiently tightened and proper guard rail is secured with fastening pins.





Stair Guard Rail Bar

SCAFFOLD STAIR TOWER

Assembly Instructions

BILJAX Haulotte

125 Taylor Parkway
Archbold, OH 43502

Toll Free: 800.537.0540
biljax.com
insidesales@biljax.com
©2022 BilJax, Inc.

P/N: LL-204-99 REV A
Last Revision: October 2026