

JAX SCAFFOLD SYSTEMS LLC
*"PROVIDING FALL PROTECTION
FOR FRAMERS"*

INSTALLATION GUIDE

THE COMPLETE FALL PROTECTION SYSTEM

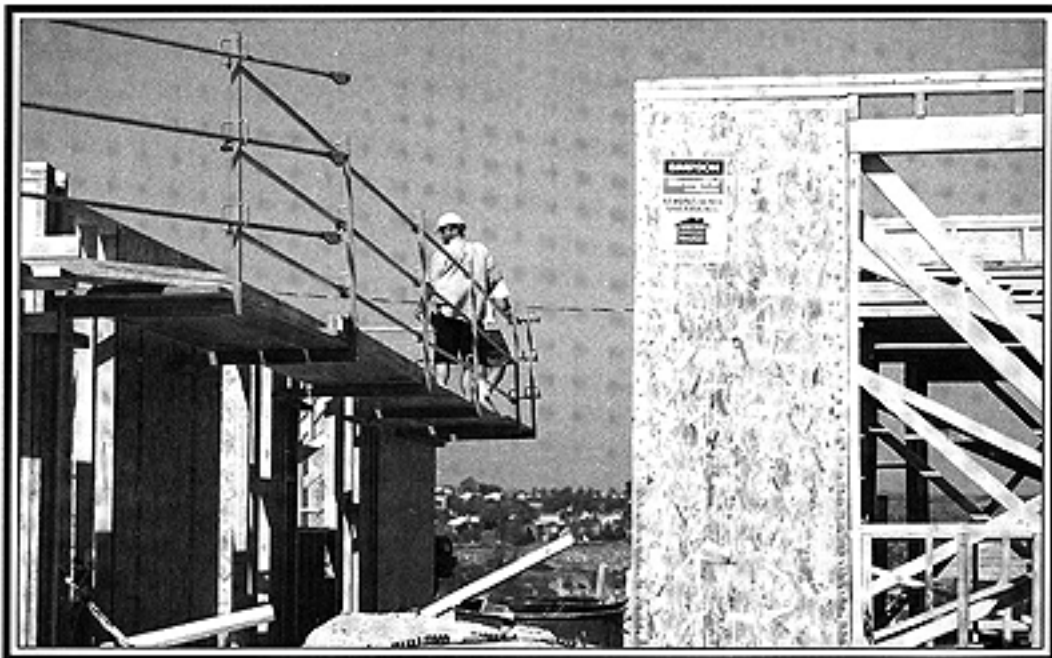


Designed by Framers for Framers to protect employees performing stacking, facia, sheathing, nailing, and all operations above plate line. Jax Scaffold has been engineered, independently tested, and meets or exceeds all Cal-OSHA standards.



The Jax Scaffold System was designed to be safe, simple, and effective but in order to ensure that the system meets these goals it is necessary that the following guidelines be met:

- The system was not designed, nor shall it be used, with finger-jointed studs.*
- The system shall be installed after plum and line and prior to trusses being loaded.*
- The system shall only be installed by qualified, certified personnel.*
- The system shall be inspected at the beginning of each shift.*



In order to complete the installation of the Jax Scaffold System it will be necessary to provide tools and materials as indicated below:

Tools

- 1. Wire cutting pliers*
- 2. A saw to cut 2x4 to length*
- 3. A saw to cude a hole in shear for brackets*
- 4. Keel or spray paint to mark bracket locations*
- 5. A hammer*

6. *Double-headed common nails (16p duplex)*
7. *Ladder*
8. *Nail puller*
9. *Cordless screw gun (Gable rise only)*
10. *Tape measure*

Materials

1. *Jax Scaffold brackets*
2. *Selected 2x4 Doug-fir, cut to a minimum length of thirty-six inches (To lap over 3 studs and create the stud purlin support)*
3. *Vertical guardrail post (Attaches to Jax bracket)*
4. *Steel handrails (Cal-OSHA compliant)*
5. *Scaffold Plank (Cal-OSHA compliant)*

Jax gable rise components, as needed (If gable truss is over five feet, six inches)

Installation Summary

1. *Inspect the bracket welds for cracks or defects.*
2. *Inspect all planks.*
3. *Place caution tape around the perimeter where the overhead work will be conducted.*
4. *Layout bracket location on the floor at ten feet or less on the centers.*



5. *Examine all gable riser locations to ensure there is no height greater than seven foot, six inches creating a fall exposure and that guardrail has been provided at proper locations.*
6. *Brace all walls at ten feet or less and at all bracket locations.*
7. *Inspect the vertical stud and the stud on each side at bracket locations for structural integrity and to ensure that the studs are stud grade or better and free of defects or knots.*

Note: Replace or double up the studs, if necessary.

8. *Install the brackets.*

Note: At hips check distance for clearance.

9. *Brackets located at shear will require a 1.5 x 5 inch hole cut for access. Mark shear at 23.75 and 28.75 down from top plate for location.*

10. *Hang brackets (2x4 must lap over three studs)*

Notes:

2x4 brace must be stud grade or better Doug-fir material (selected) free of knots.

Brace may be installed from ladder.

11. *Install planks, vertical upright post, and metal handrails.*
12. *Install end gates.*
13. *Educate all employees on scaffold use.*
14. *Post codes of safe practices from the Scaffold Industry Association.*

Note: Visually inspect all parts, brackets, vertical uprights, handrails, and planks before installation.

Installation Manpower Required

The Jax Scaffold Bracket System requires, at a minimum, one installer trained in the proper installation of the system.

Layout

- 1. Start the perimeter layout on the floor for the Jax Scaffold brackets at ten foot on center, starting at eight inches in from the left end of a wall. Continue around the perimeter of the building.*

Note:

Stud layout is critical in the system installation. It would be very beneficial to incorporate this into the framing layout.

If the layout lands on a channel or any other item that interferes with the installation, reduce ten foot on the center mark and start the layout over.

Warning: *Maximum bracket spacing is 10 foot or less.*

- 2. A Jax Bracket location is not to exceed 8 inches from the outside corner.*

Installing Hanging Brackets

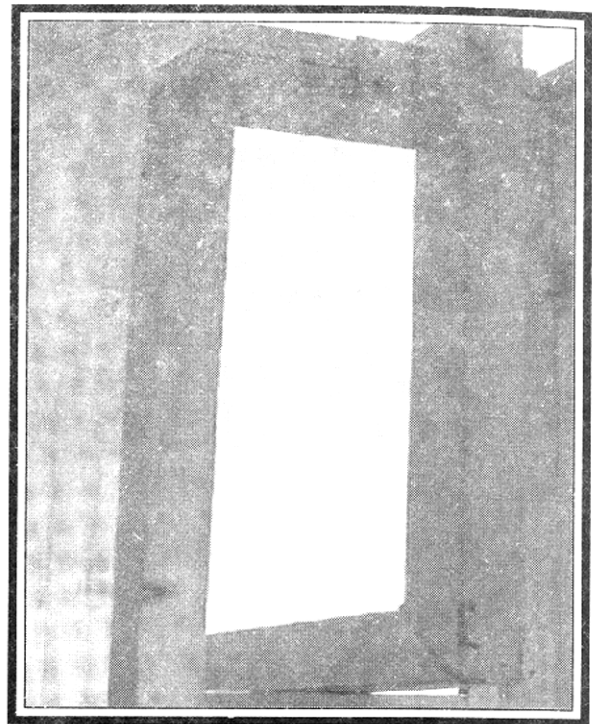
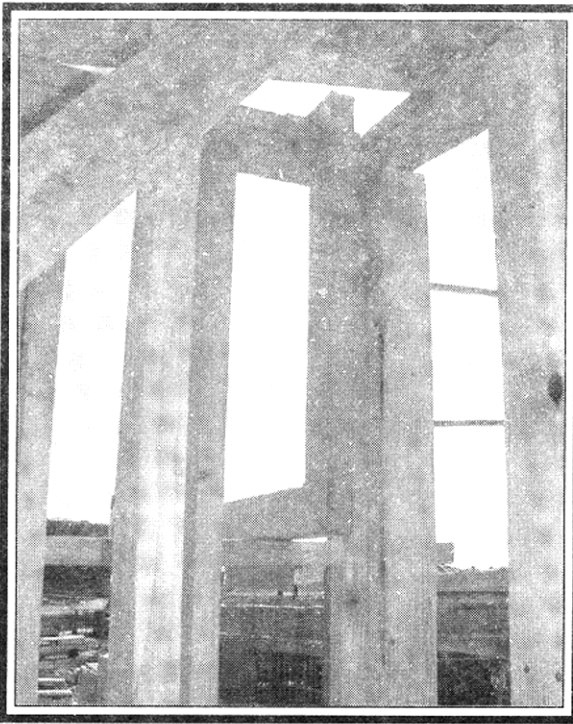
- 1. Install caution tape in a perimeter around where the overhead work will take place.*
- 2. At bracket locations inspect the studs that the 2x4 braces are to rest against.*

Notes:

Studs are to be Doug-fir, stud grade.

The system is not designed to be used with finger joint studs

The brace is to be Doug-fir, select grade, with a minimum length of 36 inches. The brace must cover all three studs.



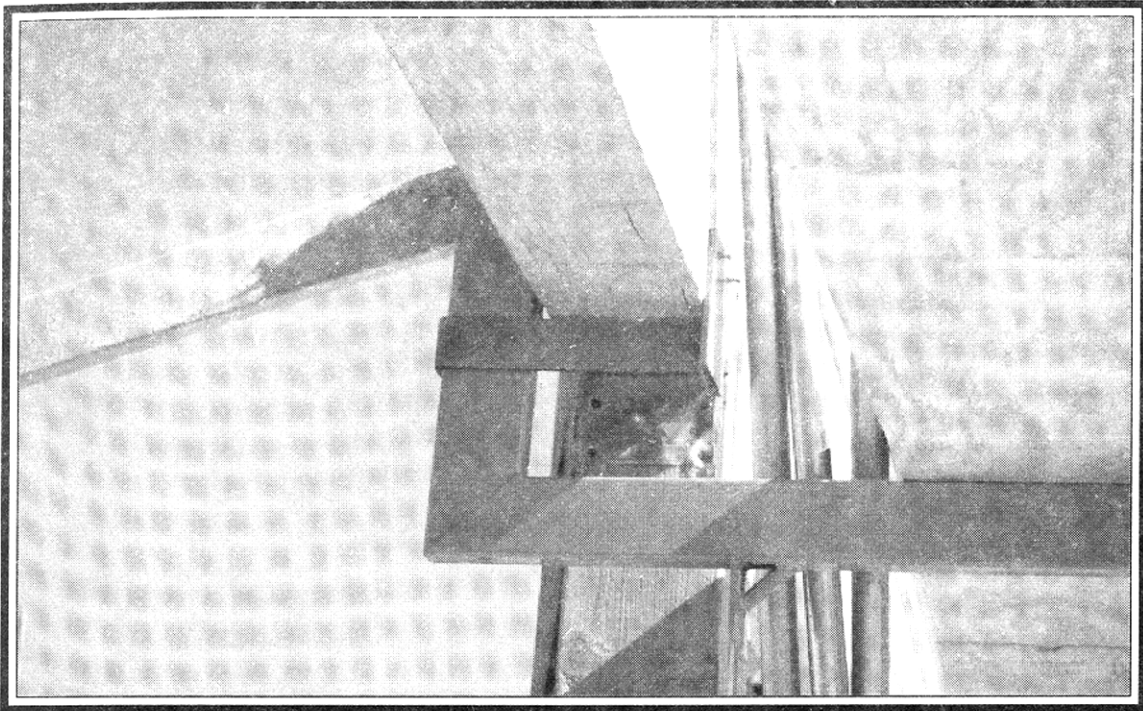
3. Install the Jax Scaffold by using the following steps:

- A. Hang the Jax Scaffold from the top plate and rest it against a 2x4 brace close to the stud. At the top plate, where the bracket hangs on the wall, install two 16D duplex nails at the drilled steel flat plate.**
- B. At the bottom bracket, install two 16D duplex nails at drilled steel flat plate, into a 2x4 brace.**
- C. Brace wall from the top plate to the floor at not less than forty-five degrees.**

Note: Brace to be Doug-fir select.

Notes for special bracket installation situations:

- 1. Brackets located at shear need a 1.5x 5-inch hole cut for access. Mark shear at 23.75 and 28.75 down from the top plate for location.**
- 2. For brackets located in window openings use double horizontal 2x4 braces and double trimmers or use a Jax Universal hanger. (Shown on next page)**
- 3. At double 2x4 walls, install Jax brackets on backside of inside wall. This will still provide a two to three plank work area.**



4. Install planks and safety rails.

D. Install the first section of the planks from a ladder

Notes:

- 1. Always install the first section of planks from a ladder.**
- 2. Overlapping the planks from left to right will simplify the removal process.**
- 3. Complete the run of the planks and rails from either the scaffold or a ladder.**
- 4. The twelve-foot planks should lap over the bracket at least six inches and not more than eighteen inches, per OSHA regulations.**

E. Install vertical guardrail post.

F. Install the rails using the following steps:

- Begin by installing the bottom rail and working upward.**
- Fasten each clip to the pin and use five, seven, or ten-foot rails.**

G. Post code of safe practices from the Scaffold Industry Association.

Removal Instructions

- 1. Ensure that caution tape is around the perimeter of the area where the Jax Scaffold System will be removed.*
- 2. Prior to removal make sure all inspections are complete and that all hardware is installed.*

Note:

- Utilize a safety monitor trained in scaffold removal to aid in a safe removal.*

- 3. Install the following safety equipment to help with the removal:*

A. Roof anchor

Notes:

- Should be installed prior to any scaffold removal.*

B. Safety harness

C. Self-retracting reel or lifeline

Notes:

- Employee must be trained in the use of a harness, and a self-retracting reel or a lifeline prior to usage.*

- 4. Remove handrails.*

Notes:

- Sequence bottom to top. This provides the maximum duration for fall protection.*
- Pass rails through stud bay or window openings.*

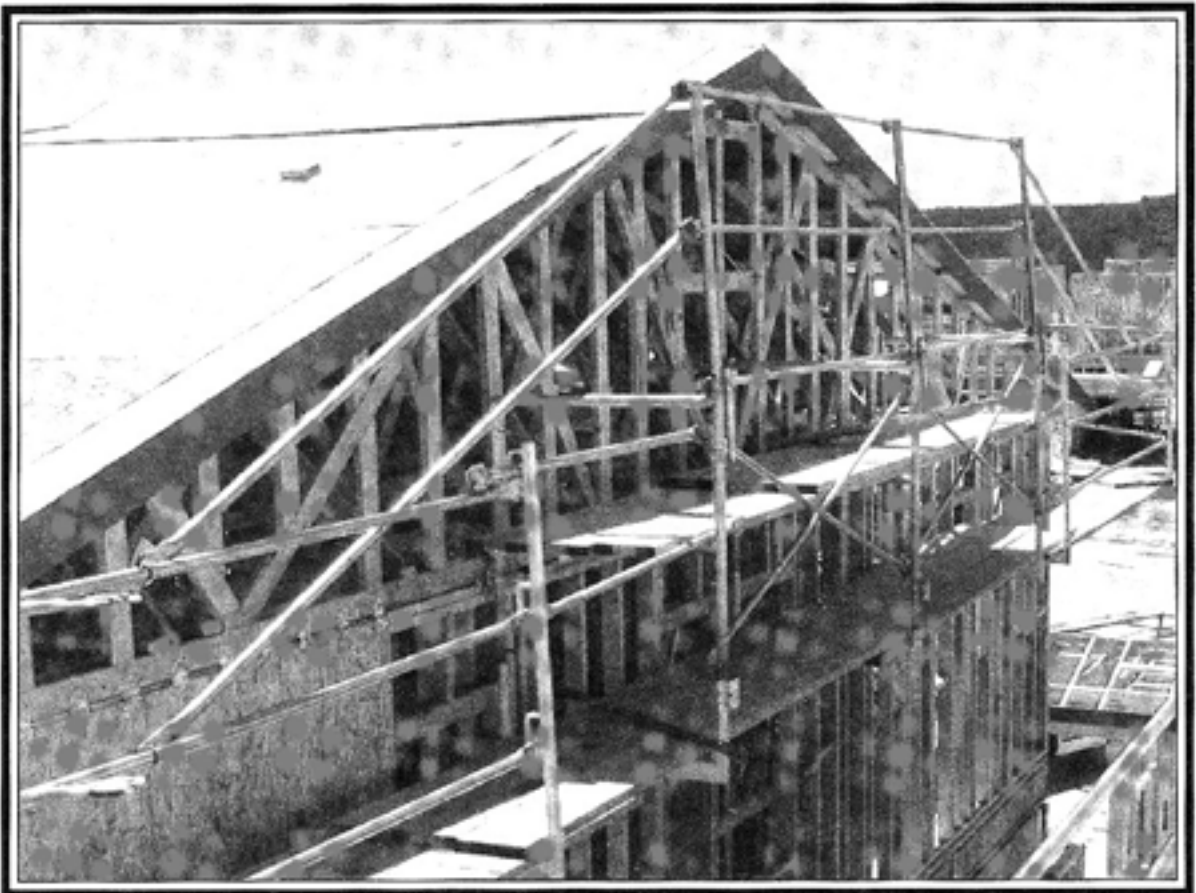
- 5. Remove vertical guardrail post by depressing spring-loaded pin at bottom of post.*
- 6. Remove planks in the reverse order of installation from the inside of the house using a ladder. Pull the plank through the stud bay or window opening.*
- 7. Remove bracket with a jamb bar or nail puller or utilize the leverage of the Jax Scaffold bracket to remove the nails at the top plate bracket.*

8. *Remove the 2x4 brace, pull all the remaining nails, and save 2x4 for future use.*
9. *Inspect all the Jax brackets, vertical guardrail posts, handrails, and scaffold planks prior to storing.*

Installing the Gable Rise

Important Installation Notes:

- *The Gable Rise assembly is only to be installed after the truss system has been completed with all bracing, per manufacturers instructions and structural details.*
- *The Jax Gable Rise System does not allow for a multi-level working system. This means that workers must not be on levels above one another at any time.*



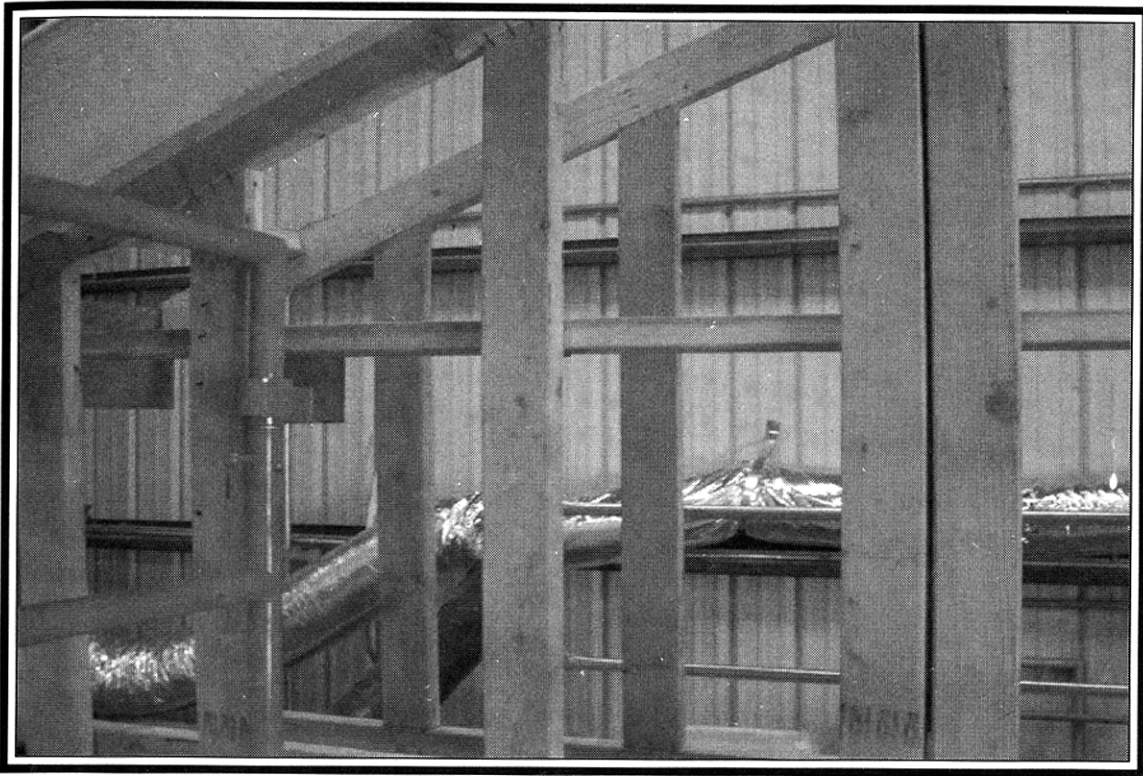
1. *Refer to your building scaffold design and compile a list of all necessary gable rise parts needed.*
2. *Load all parts to the floor just below the area where the gable rise will be installed.*

3. *Assemble all of the parts onto the scaffold frames per design.*
4. *Lean guardrail and plank to an accessible point on the scaffold.*
5. *Load riser frames, truss connectors, and riser truss connectors to an accessible point from the scaffold.*
6. *Access the scaffold system, taking extra care to be safe and aware of your surroundings. Remove the guardrail post and guard railings on both sides of the first riser location.*
7. *Install the riser frame and re-install the guardrails as you work your way across the building.*

Notes:

- *Always install all guardrails at the earliest possible time in order to minimize your fall exposure.*
8. *After the first and second riser frames have been installed, install the corresponding cross brace, and then the truss connector. The truss connector is a positioning device to stabilize the frame to the building at the bottom cord of the truss.*





- 9. Repeat step eight as many times as necessary, keeping in mind you need a cross brace in every third bay.**
- 10. Install the planking material.**

Notes:

- Remember, planks are not to extend over the frame less than six inches or more than eighteen inches.

- 11. As you move across the building installing plank, also install all handrails and guardrails posts.**

Notes:

- Be sure the top guardrail is between forty-two and forty-five inches and the mid-rail is between twenty-one and twenty-two and one half inches.

- 12. Install the riser truss connector.**

Notes:

- The connector shall be installed near the top header of the riser frame and shall connect to the back side of a 2x4 that crosses a minimum of three truss gable end studs, and is nailed into each of these with at least one 16D sinker.

13. *Go to one end of the gable rise and install guard railing on the pitch. This will reduce the chance of a worker falling off of the upper level of the scaffold and crossing over the top of the railing. (Keep the rails the same as or close to the same pitch as the roof.) This is accomplished with ten foot guardrails connected at the same point as the gable rise guard railing and tied to the inside of the run guard railing with number 12 wire.*
14. *Clean up your work area to reduce any tripping or falling hazards.*

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Corral Bracket installation Instructions

1. *The system requires the use of 4 Simpson 1/4" x 1 1/2" SDS Screws to be installed in the top 4 holes.*
2. *The JAX corral bracket has 8 other holes, these are for your convenience, but TWO 16D duplex nails must be installed in each bracket to hold the bracket in place while the Simpson screws are installed. (The 16D duplex nails can be installed in any of the 8 holes).*
3. *The system is to be installed at 10' on center or less (the system **MUST NOT** exceed 10' ON CENTER).*
4. *The system is designed to connect to the timber strand, or solid swan rim of the building at the time the deck is sheeted.*
5. *The system is designed to use conventional snap on Gaurd railing.*

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