

## **Section 5: Crew Requirements**

### **Panel Fabrication**

The panel fabrication crew is composed of five workers. The overall requirements to become a panel fabricator are low. There is no formal training for the fabrication crew, solely on-the-job training.

### **Framing**

On-site there is one supervisor and assistant supervisor who oversee construction, maintain supplies, and handle personnel issues. There is another individual on-site who is responsible for safety issues. The framing crew has two leaders, one for walls and one for roofs. The framing crew leaders serve as a liaison between the site supervisor and crew members.

The site supervisor indicated that he tries to place new hires in positions where they feel comfortable. However, the panel erectors, those that stand up panels, are not entry level positions. The first floor wall panel crew has worked together for close to seven years.

The framing crew is broken up into tasks with differing numbers of crew members per task. The following table shows the characteristics of each task.

<b>Task</b>	<b>Time to Complete</b>	<b>Crew Size</b>	<b>Tools</b>	<b>Responsibilities</b>	<b>Preparation Work</b>
First Floor Panels	3 hours	4	Screw Gun Powder Nail Gun Skill Saw Electric Generator	Erect and temporary secure first floor wall panels	Forklift places panels near foundation
Anchors	4 hours	1	Hammer Drill Air Compressor Electric Generator	Install permanent anchor bolts	
Floor Joists	3 to 4 hours	2	Screw Gun Nail Gun Air Compressor Electric Generator	Lay out and secure floor joists and beams	Forklift places joists and beams on walls. Joist brackets attached to beams
Floor Decking	4 hours	2	Nail Gun Air Compressor	Attach second floor decking material	Forklift places plywood on joists
Second Floor Panels	3 to 4 hours	3	Screw Gun Skill Saw Electric Generator	Attach second floor sheathing walls and stand second floor walls	Forklift places panels and sheathing on second floor
Exterior Sheathing	3 to 4 hours	2	Screw Gun Skill Saw Router Saw Electric Generator	Attach first floor sheathing to shear walls	Forklift places sheathing between two homes
Trusses	5 to 6 hours	5	Nail Gun Skill Saw Electric Generator Air Compressor	Install roof trusses	Forklift places trusses on roof
Fascia	5 to 6 hours	2	Nail Gun Skill Saw Electric Generator Air Compressor	Install fascia	Forklift places material in home through second floor window
Soffit	5 to 6 hours	2	Nail Gun Skill Saw Electric Generator Air Compressor	Install "high-grade" perimeter roof sheathing	Forklift places material on trusses
Roof Decking	5 to 6 hours	4	Nail Gun Skill Saw Electric Generator Air Compressor	Securing roof decking	Forklift places material on trusses
Interior Walls	5 to 6 hours	2	Screw Gun Skill Saw Electric Generator	Install interior walls Attach plywood if necessary	
Forklift Operators		2 Forklifts – 1 operator per forklift	All-terrain Forklift	Move supplies	

**Skill Level**

New hires usually have some home construction experience but individuals are also hired with no experience. Depending on experience level new hires are categorized using the union's apprenticeship/journeyman program.

**Shifts**

The framing crew has one shift a day, Monday through Friday. The shift starts at 7:00 a.m. and ends at 3:30 pm. The workers are entitled to two fifteen-minute breaks and one thirty-minute lunch break.