

# The Safety Advantages of Modular Steel Panel Construction



We are the emerging leader in steel modular panels for single family homes, multi family homes, commercial, and low to mid rise buildings.

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# Safety-Related Benefits of Modular Steel Panel Construction?

Modular panel construction is the fastest growing segment in construction due to its numerous benefits, including improved safety compared to traditional onsite construction.

Modular panels are simply prefab sections of exterior walls, interior walls, sub-floors and roofs manufactured within a factory setting using advanced AI software to ensure laser precision cuts and builds. Modular panels are precisely fabricated indoors in perfectly controlled environmental conditions and shipped directly to your build site.

Exterior walls come with sheathing pre-installed while interior walls have the preset routes of where wires will run with rubber grommets installed for safety and increased speed/efficiency.

In other words, multiple trade crafts and their skills have already been utilized and paid for thereby vastly reducing both the number of subs / workers on your job site and expense.

Regarding safety considerations, modular panels, or prefabricated construction, should be viewed as a construction process.

No more power saws, scaffolding, or nail guns as the framing work has been completed offsite for you. Having dramatically less employees on the build site leads to a safer work environment.

The construction industry is renowned for its occupational hazards, making the adoption of modular or prefabricated construction methods a prudent strategy to mitigate the risks of fatalities and injuries commonly associated with traditional construction sites.

Worksite injuries (even small ones) can shut down an entire project delaying completion and costing massive sums of money.

Accidents can bring OSHA and other agencies which halt progress and often means large fines and lawsuits as well as diminish your company's reputation and the trust of your clients.



# Construction's "Fatal Four"

According to the Bureau of Labor Statistics (BLS), in calendar year 2018 there were 4,779 worker fatalities in private industry; of those 1,008 or 21.1% were in construction.

This equates to one in five worker deaths occurring in the construction industry. The leading causes of private sector worker deaths in the construction industry (excluding highway collisions) were falls, followed by struck by object, electrocution, and caught-in/ between.

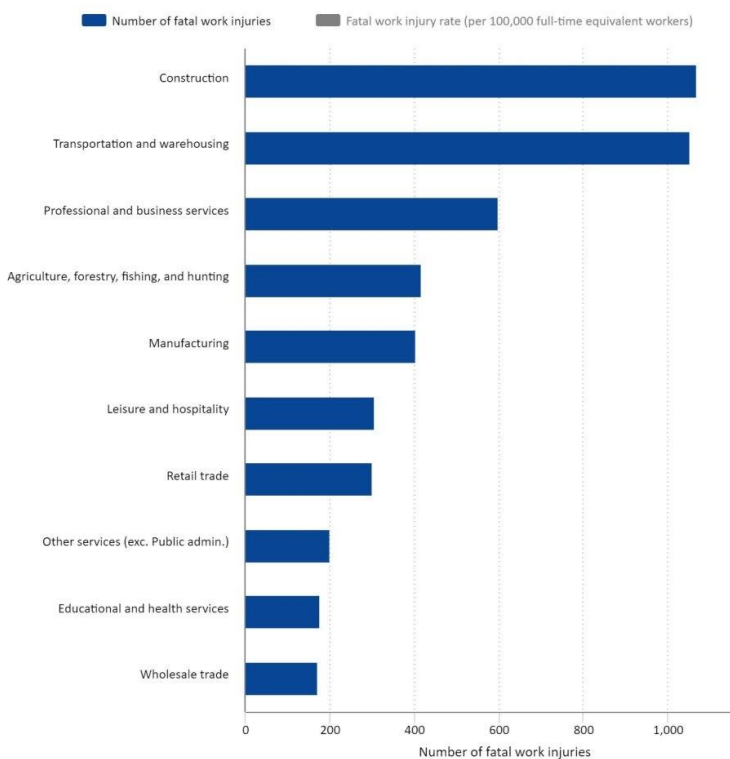
These "Fatal Four" were responsible for more than half (58.6%) the construction worker deaths in 2018, BLS reports. **Eliminating the Fatal Four would save 591 workers' lives in America every year.**

Falls are the number one cause of construction worker fatalities, accounting for one-third of all on-the-job deaths in the industry.

In 2017, there were 366 fall fatalities out of 971 total fatalities in construction.

Falls are a hazard found in many work settings, but construction has the most fatal falls out of all industries and represents 51% of all falls nationally.

Number and rate of fatal work injuries, by private industry sector, 2022



## Modular Steel Panel Construction Safety Benefits

With falls as the number one cause of workplace fatalities in construction, maximizing the work done at ground level can have a big impact. According to the Center for Construction Research and Training, ladders accounted for 24% of fatal falls in construction with scaffolding involved in an additional 15%.

With modular panels, more work is performed on ground level, and the need for working at heights is greatly reduced.

Manufacturing construction components away from the jobsite reduces the amount of foot traffic on the job site. This simple change means fewer workers onsite who can potentially be injured, killed, or struck by an object.

### Additional Benefits of Modular Steel Panels

**SPEED:** Steel modular panel construction time is FAST!. By finishing the job 30% to 50% faster, construction workers will be onsite far less, thereby reducing the chance of all potential injuries.

**WASTE:** Up to 30% of materials can end up as waste on old style construction. Modular panel builds have nearly zero waste. That saves money and keeps the worksite clean and uncluttered for additional safety!

**PRECISION:** Modular steel panels blueprints are created using the most advanced software programs augmented with AI. These exacting specifications are then cut and assembled with laser precision to ensure safety, durability, and ease of build.

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