

MODULAR CONSTRUCTION VS TRADITIONAL

Traditional Construction

Brick & Mortar

Masonry work involves significant amounts of labor and time on-site. Because of the construction process, you will likely experience delays from labor shortages and harsh weather conditions.

However, brick & mortar buildings have a lifespan of about 100 years. During the construction process, there isn't a vast amount of experience or skill because the size and shape are the same across all projects.

Cons:



Labor intensive



Lots of time on the site



Susceptible to seismic damage

Concrete

Using concrete blocks as a construction material requires a lot of heavy lifting and labor, which means a lot of time on-site as well. Because of this, the pricing of your building may vary depending on the materials needed and the number of workers.

Concrete is extremely durable and resistant to harsh weather conditions and fire along with rot and moisture damage. It's essential to have a sufficient drainage system because plumbing issues will become more expensive with this type of building material.

Cons:



Difficult to handle, which means more labor



Lots of time on the site



No consistent pricing system

Wood

This building material is one of the more sustainable options because it is renewable and can be recycled. The construction timeline of timber structures is also quicker than brick and concrete buildings.

However, just like the other materials, you're going to have a lot of time on-site and need to delay production for harsh weather conditions. If wood is exposed to a lot of moisture, it can cause rot and decay, causing even more setbacks.

Cons:



More expertise and skills are required



Expect lots of delays



Materials are susceptible to decay and rot

Modular Construction

Typically, modular structures are known to be standardized and mass-produced. However, BOXX Modular can customize your building to fit and exceed your needs. With a majority of the construction happening off-site, in a controlled environment, you won't have to worry about additional disruptions during expansion.

The process of modular construction also reduces material waste and recycles materials wherever possible. Overall, you can expect a lower amount of emissions produced when using this type of building process.

Pros:



Limited time on site



Consistent labor



Sustainable building materials