

Steel Building Benefits|

Steel buildings are a great option for commercial, institutional or agricultural needs. There are many reasons why steel buildings are a great option for builders, even in the case of residential construction. Some of the benefits of steel buildings include durability, cost, health, and that it is environmentally friendly.

It is less costly to construct steel buildings than one might think. Steel is cost efficient because it is both relatively inexpensive to produce, and it is very durable. Steel differs from wood and other natural building materials in that it is not prone to structural problems like termite infestations or rotting. In addition, steel is stronger than wood, which translates to wider, higher, and generally bigger dwellings that are still safe. Often since you need fewer joints and support within steel, you will need less steel to construct in proportion to what you would use with wood.

You may be surprised to know that steel buildings are very environmentally friendly. Since steel can weigh as little as half as much as wood needed to build a structure of equal size, it can cost less to transport or ship. The best part may be that steel is completely recyclable. About sixty millions tons of steel is recycled annually, which exceeds that of glass, aluminum, plastic and paper combined! To build a 2,000 square foot dwelling from wood you would need to harvest 40 to 50 trees, whereas buildings of the same size in steel would only require six recycled cars!

Physical health and safety also get high marks with steel. First of all, steel is not conducive to molds and mildews, unlike wood buildings. Steel does not rust due to the galvanization process. These two factors lead to better air quality within the dwelling than you can find in most houses built of natural materials. One of the biggest safety concerns of home and business owners is that of the building being a fire hazard. Steel is extremely safe in this department, as it is fire retardant and not combustible. As a result, insurance premiums could be less costly than for conventional structures.

The different building possibilities you have with steel are basically endless. Not only can you build commercial and industrial structures with steel, but also modern or traditional style homes. You can use steel in conjunction with other materials to save on costs, or just for aesthetic value. In short, steel buildings are among the most cost effective, durable, and safe for both humans and the environment.

About the Author

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