

# The Top Ten Reasons to Specify Structural Steel.

## **1. Large clear-span bays**

Structural steel framing easily and economically provides large clear-span bays with fewer columns, giving more flexibility and efficiency in planning, layout, and occupant traffic flow.

## **2. Ease of expansion**

Structural steel buildings can be easily expanded in any direction.

## **3. Ease of change**

When building uses change or are improved, structural steel can be easily modified and reinforced to accommodate the new requirements.

## **4. Ease of reinforcement and modification**

Standard, uniform, homogenous, prismatic structural steel shapes permit quick and efficient reinforcement and modification.

## **5. Simplicity of design**

Structural steel members can be designed more easily than any other structural material or structural system, and later analyzed and modified with the same ease and simplicity.

## **6. Reduced construction time**

Structural steel framing can be rapidly designed, purchased, fabricated, and erected without need for shoring, curing and the other delays of concrete and masonry construction. It readily lends itself to fast-track construction.

## **7. Reduced construction financing costs**

Since steel can be erected more quickly, the building can be occupied sooner. Interest costs during construction are reduced and cash flow from operations begins sooner.

## **8. Superior seismic performance**

Steel's ductility makes it the premier structural material for economically resisting earthquakes. An owner must consider both life safety and how much of the structure is recoverable after a seismic event. Steel framing maximizes both of these factors.

## **9. High resale value**

Because of a structural steel building's ease of expansion, renovation and reinforcement for future changes and for the needs for new occupants, the value of a steel-framed building remains high.

## **10. Complete recyclability**

Most steel today is a recycled product, and nearly all structural steel from building demolition is recycled. This provides salvage value, reduces demolition expenses, reduces landfill volume, reduces tipping fees, and helps the environment.