

HEIGHT ADVANTAGES

BUILD BIGGER and TALLER

- Steel does not change size or shape with changes in moisture content – which helps prevent cracks in finishes such as drywall and stucco. When they get wet, both wood and brick will swell. When they dry out and cure, concrete and concrete block will shrink and form shrinkage cracks.
- Steel is isotropic: meaning it has the same dimensional properties in all directions. Since there is no “grain,” the strength of steel is the same up and down, side-to-side, and in all loading directions.
- Steel does not warp, shrink, or crack in normal loading and framing applications.
- Steel is ductile, and will bend and stretch when overloaded, rather than cracking or breaking like unreinforced concrete or masonry.
- Steel is 100% non-combustible. Therefore, height and area restrictions on combustible materials do not apply to cold-formed steel.

ENERGY

BUILD ENERGY EFFICIENT STEEL BUILDINGS

- Modern steel is one of the most energy efficient building materials to produce. Between the early 1990s and 2007, the U.S steel industry cut energy use per ton of steel by nearly 1/3.
- U&C Light Gauge(LGS) buildings can be some of the highest performing buildings. LGS buildings have been built to Energy Star status, and can meet LEED requirements and other green building programs and standards.
- Whole building design of the energy package using readily available simulation tools will enable code compliant and cost-effective solutions to today's more stringent energy codes.

CYCLE TIME

MOVE TENANTS IN FASTER

- Buildings framed with U&C Light Gauge(LGS) can go up much faster than traditional heavy materials like concrete and masonry. Up to 3 months or more can be shaved off the schedule of a mid-rise project.
- LGS allows you to move paying customers in the door fast which can significantly change your financial model by shaving financing and other soft costs related to cycle time and by accelerating your revenue stream compared to heavy construction.
- Panelized construction used in the LGS industry for both commercial and residential construction can minimize rain, snow, excessive heat, and other weather delays.
- Panelized LGS construction can offer a much more predictable schedule than its competitors in the mid-rise market.

INSURANCE

CONSTRUCTION INSURANCE SAVE BIG \$\$\$

- U&C Light Gauge(LGS) is non-combustible, which reduces the risk of property loss during construction and over the life of the structure.
- Reduced risk of property loss leads to lower insurance premiums for builders and owners.