

Steel Construction and Structures Design

June 25, 2008 - [PRLog](#) -- Whether you are building an office park, a church, a strip mall, or even an airport hangar, steel gives you the ability to be flexible in design. Many people may not be aware that steel building kits come in a variety of frame options, each suited toward different building purposes. For companies and organizations looking for a quick turnaround on construction and occupation, a steel building should be a primary option.

That said, there are several frame structures ideal for big or small projects. Knowing what each one does can help a company decide which kit to purchase and set up - or to have set up by knowledgeable contractors. Here is a listing of what is available to the real estate owner.

Gable Symmetrical - A ridged (double slope) building in which the ridge is in the center of the building. These are great for large halls and warehouses.

Gable Unsymmetrical - A ridged (double slope) building in which the ridge is off-center. Useful for barns and other storage facilities.

Single Slope Buildings - A sloping roof in one plane. The slope is from one wall to the opposite wall. Used mainly in low rise construction.

Lean-To - Structure those ties into one side of an existing building. Great to consider if you are adding on to an existing structure.

Long Bay - Provides a clean, uncluttered interior that is ideal for manufacturing, warehousing, distribution, or retail applications requiring a large area of open floor space with few interior columns. Ideal for manufacturing, warehousing, and distribution.

Hybrid Structures - Hybrid structures blend the efficiency of pre-engineered construction with the strength of conventional steel members. Hybrid structures meet heavy loading requirements by providing the most effective design possible. Ideal for heavy lode-bearing facilities.

Crane Buildings - The building crane is a complex structural system consisting of the crane with trolley and hoist, crane rails, crane runway beams, structural supports, and stops and bumpers. Whatever your construction project, a steel kit can be built to suit.

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