

Artisan Profile



A) INSTALLATION OF PERIMETER LOAD BEARING WALL PANELS

The initial step for the assembly of the Artisan System is to erect the first set of load bearing wall panels, usually located along the perimeter of the building. All our wall panels are pre-fabricated in a controlled environment, thus offering higher standards of quality and durability. Each component of the wall panel is galvanized and pre-compressed to guarantee a uniform, durable structural support for the building.

B) ASSEMBLY OF INTERIOR LOAD BEARING WALL PANELS

Interior load bearing wall panels are installed at the same time the perimeter walls are being completed. Usually these are the internal corridor walls, or load bearing party walls, which represent the second support for the Open Web Steel Joists (OWSJ).



C) PLACEMENT OF OPEN WEB STEEL JOISTS (OWSJ)



All joist bearing walls have a distribution angle attached to the top track. Pour stop plates and "z" closures between joists are inserted on top of walls to avoid concrete spills during pouring. Open Web Steel Joists are then positioned above the load bearing walls, to support the metal deck. The distance between joists is 4' o.c. Electrical wiring and mechanical ducts can be installed in the wall and ceiling assembly. Distribution angles allow flexible spacing of floor components.

D) ATTACHMENT OF METAL DECK ABOVE JOISTS

Metal deck is placed over the Open Web Steel Joists and welded or screwed down in position. This 1"C profile metal pan is left in place to support and accommodate the concrete pouring. Above deck, reinforcing wire-mesh and re-bars provides seismic and structural integrity. Usually a 2" composite decking is placed at corridors and dropped and extra 2 1/2".



E) CONCRETE POURED ON TOP OF DECK



When all components of the Artisan System are in place, concrete can be poured on to the re-usable plywood form. Holes for plumbing and ducts can be cored directly thru the slab after the concrete has set. The thickness of the concrete is usually between 3" to 4" thick. The Artisan System is efficient and fast as there is no shoring and re-shoring required. When all these are done, you've got a composite concrete floor system over an engineered Load Bearing LGS stud wall system which EQUALS a Strong, Rigid and Durable building.

