

## **5 Reasons a Modular Elevator Just Makes Sense**

### **1. Shorter Lead Time**

Modular elevators have shorter lead times and shorter installation times on the job site. In the time that it takes to laboriously build the hoistway for a stick-built elevator, Phoenix Modular Elevator can have an elevator hoistway built and the car assembled, wired and ready for installation. In some instances, we can even apply the exterior hoistway finish. This is because more than one thing can happen at once. With stick-built, the elevator components can't be assembled until the hoistway is complete. When building modular, the hoistway and car are built simultaneously, saving a huge amount of time. And once delivered, a hydraulic modular elevator can be ready for inspection in a week or less.

### **2. Safety**

Modular elevators improve jobsite safety. Open hatches of stick-built hoistways are always a safety risk on job sites, even if all the rules and regulations are followed completely. Even if barricades keep other trades from falling down the shaft, elevator mechanics are working inside the shaft on scaffolds and ladders until they have all the rails installed and the car assembled. With a modular elevator, the hoistway and elevator come as a complete package. The doors remain closed and locked, providing a perfectly secure barrier. And elevator mechanics work from the cartop instead of on ladders, virtually eliminating fall risk. Finally, modular elevators require fewer on-site hours than stick-built. Fewer hours=lower risk.

### **3. Quality**

Modular elevators are built horizontally which allows for easier inspection and greater quality control. The structure is built on a jig, ensuring that everything is square, plumb and aligned. Even when there are multiple towers, they are aligned and bolted together during manufacturing and only separated for shipping. All of the welds are easily inspected because they're accessible. Equipment inspection is simple and safe, accomplished with a stroll through the horizontal shaft. All electrical connections are inspected and rung out.

### **4. Design Flexibility**

Architects love that they can be just as creative with modular elevator design as they can with stick-built. There are no limitations to what can be done to the design of the elevator car, the interior of buildings, the fixtures chosen and the exterior design of the building.

Interiors can be flat walls or raised panels. Panels can be laminate, stainless steel (plain or patterned), or any architectural product that can be attached to walls. Doors can be white, stainless or any custom color or finish desired. Ceilings can be translucent, solid, mirrored or textured. For high-end applications, an entire cab interior can be purchased from vendors such as SnapCab or Forms and Surfaces and installed in our elevators.

Creativity in the fixtures is just as important as the cab and the lobby. An elevator floor indicator and button panel are two areas customers are drawn to. These fixtures can be simple or unique, modern or antique; they can be made to match the feel of the rest of the building and the elevator.

There is as much flexibility for the hoistway as there is for the cab. A modular hoistway can be engineered to support any exterior finish, including brick or stucco. Some finishes can even be applied in the factory if they don't damage easily during transit, meaning more cost and time savings on the job site.

## **5. Non-Proprietary Parts**

Modular elevators save maintenance costs for the life of the elevator. We utilize reputable part suppliers that are easily recognizable to any elevator professional. These companies manufacture quality, non-proprietary components that meet high-quality and safety standards. Elevator companies that use proprietary parts (the major multi-nationals are known for this) lock customers into maintenance contracts for life, as only they can service the elevator using their proprietary software and equipment. This leads to outrageously expensive maintenance agreements for the life of the elevator. We use non-proprietary parts to ensure any certified elevator maintenance company can service the elevator, making maintenance contracts more competitive.

A modular elevator makes sense in almost all low and medium-rise applications. A modular elevator can be used in modular construction, stick-built construction, retrofit projects, exterior placed elevators, interior placed elevators and free-standing elevators in atriums and lobbies. The benefits listed above clearly demonstrate why you should design a modular elevator into your next project.