



Orlando, Florida Shipping Hub - A Major shipping company is rapidly expanding in its Southern markets. It's capacity must keep up with demand. To keep business functions uninterrupted, much of the construction would need to be off-site. The building must meet all local and state codes and wind zone requirements. And, to remain flexible for future planning, it needs to be relocatable.

CASE STUDY

SHIPPING COMPANY EXPANDS IN SOUTH WITH THE UPGRADE

KEY ACHIEVEMENTS

Extremely fast set-up time: Building set in 4 days

Pre-installed utilities, electrical, etc., reduced on-site materials and labor

Entire structure can be relocated to a new site. Capable of multiple moves

Eliminated disruption to existing business

Clear span design with ceiling heights up to 24 ft.

Designed to meet local and Florida state building code requirements

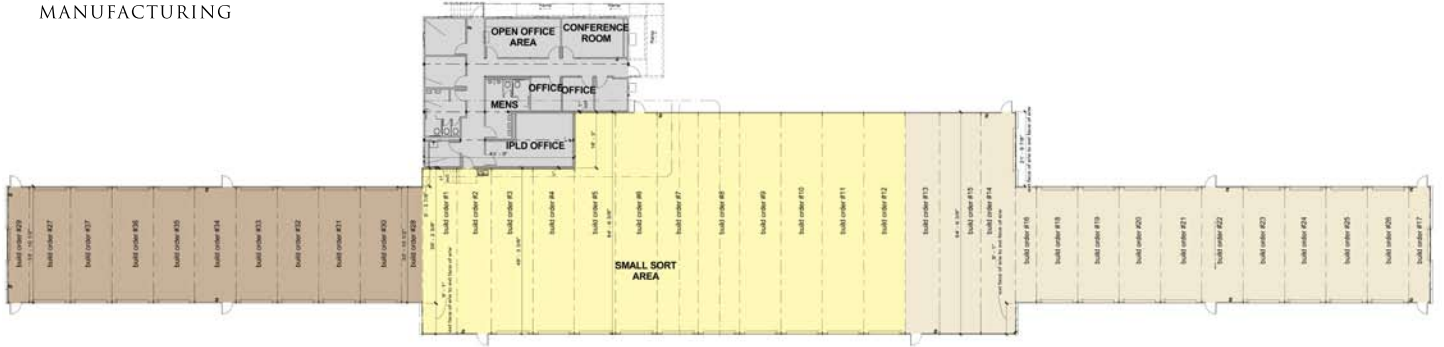
The 20,000 ft² building would utilize the Whitley Manufacturing UpGrade building system, a similar design to the previous New Hampshire shipping center. The UpGrade can be designed to withstand the elements of an extreme range of climates. Ceiling heights reach up to 24 ft., and can be delivered as one complete component. It achieves this by a patented design which allows the walls to fold under the roof section and delivered on a flat bed trailer (see photo on next page).

Its known for its fast set-up. But, it has a range of features and options that make it even more unique, such as:

- Various roof pitches options to accommodate your particular site requirements.
- Optional bridge crane installed from the bottom of building trusses.
- Optional pre-installed lights, heaters and basic electrical and other utilities.
- Factory installed overhead doors, man doors and insulation.

The building required 41 modules to be built off-site at the Whitley factory. Once delivered, the modules were crane lifted, bolted down to the slab and finished. Only a matter of a four days passed from a bare concrete slab, to a finished, weather tight building (see floor plan for daily progress).

Warehouse Expansion in Florida



Floor Plan



Front Elevation



DAY ONE
Module 16 through Module 27 were crane set and closed in to complete the main warehouse section.

DAY TWO
Module 28 through Module 41 were crane set and closed in to complete the east wing.

DAY THREE
Module 5 through Module 15 were crane set and closed in to complete the west wing.

DAY FOUR
Module 1 through Module 4 were crane set and closed in to complete the office shell.

KEY FACTS

PROJECT NAME
WAREHOUSE WITH OFFICE EXPANSION

LOCATION
ORLANDO, FLORIDA

PROJECT TYPE
UPGRADE BUILDING SYSTEM

BUILDING SIZE:
20,000 SQ. FT.

BUILDING UNITS:
41 UPGRADE MODULES

AVAILABLE OPTIONS:
LIGHTS, HEATERS & ELECTRICAL
FACTORY INSTALLED BRIDGE CRANE
VARIOUS ROOF PITCHES

