



CASE STUDY

The Need – AEP (American Electric Power) Cook Nuclear Power Plant was in need of a quick class A office space for their NEST (Nuclear Engineering Services & Technology). The building had to be built quickly with minimal site disruption and blend in with the existing buildings. AEP contacted Satellite Shelters, Inc. Satellite Shelters and Whitley Manufacturing partnered to solve this exciting and challenging opportunity.

AEP: MOVE IN READY... WEEKS IN ADVANCE

KEY ACHIEVEMENTS

85% of construction was finished off-site.

Finished with 2 1/2 times less waste when compared to traditional building.

50% faster than the conventional schedule.

Steel Framing consisted of 72% recycled material.

Less environmental impact.

Finished ahead of schedule.

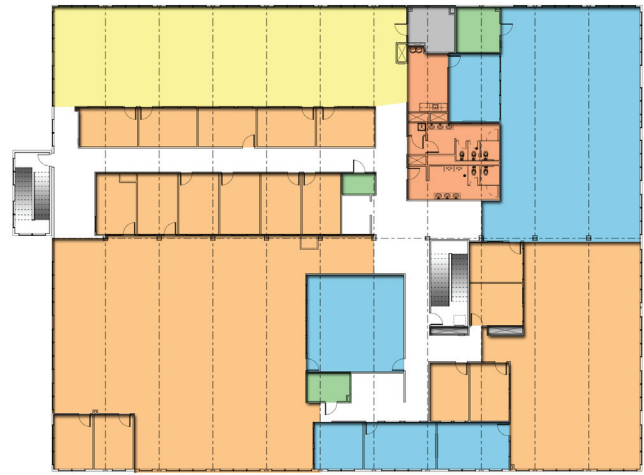
The Solution: Taking advantage of factory built modular technology, vital site and foundation work could take place simultaneously, reducing the time from design to occupancy. While Satellite Shelters was preparing the premises, Whitley Manufacturing was busy constructing the 2 story modules off-site. The new 36,480 square foot building would require a number of individual offices as well as several wide span offices designed for conference rooms and common areas. Tactical work spaces, such as “emergency response” and engineering offices were developed for large teams that required a flexible configuration.

Whitley Manufacturing’s off-site construction and expedited schedule ensured the office would be stay on schedule. Sixteen weeks after the project got started, 44 modular units arrived on site with all the site preparations made ahead of time. Once Satellite Shelters had all the units in place, the finishing process would begin. Local construction trades performed the mechanical and utility installations as well as the finishing decors (tiles, carpets, exterior facades, etc.). With time still left in their schedule, AEP’s NEST building was move-in-ready.

AEP OFFICE BUILDING



1st Floor



2nd Floor

FLOOR PLAN KEY

- Tactical Work Areas
- Offices
- Common Area
- Break/Restrooms
- Storage
- Mechanical/Electrical

KEY FACTS

PROJECT NAME
AEP NEST (NUCLEAR
ENGINEERING SERVICES &
TECHNOLOGY)

LOCATION
BRIDGMAN, MICHIGAN

PARTNERS
SATELLITE SHELTERS, INC.

PROJECT TYPE
2 STORY OFFICE BUILDING

BUILDING SIZE
36,480 SQUARE FEET

UNITS
44 MODULES



Before



After

