

Manufacturing Process



Day One



- Steel reinforced cage is set up
- Reinforcing is tied together on a jig representing the cell and chase interiors
- All electrical conduit runs are pre-cut and tied onto the cage

Day Two



- Cage is placed into mold
- Various embedded items are installed onto the mold (insulation, windows, doors, plumbing, etc...)
- Optional items are installed, if applicable
- Form is closed
- Concrete is poured, consolidated, and cured

Day Three



- Module is removed from mold
- Interior of module is water blasted to remove form oil and expose bug holes in concrete
- Module is block filled by hand to provide uniform surface
- Block fill is cured

Day Four



- Interior surfaces are painted with high-build, anti-graffiti, epoxy paint system
- Paint is allowed to dry for 24 hour period

Day Five



- Plumbing fixtures are installed
- Electrical fixtures and devices are installed and tested
- Pull strings are placed in empty conduit
- Furniture is installed using security fasteners
- Doors are installed
- Security glazing is installed
- Security caulk is placed around installed fixtures and furnishings

Day Six



- Modules are inspected and placed in the yard for storage
- Modules are stored off-jobsite at Oldcastle production facility until shipping & site erection

