



Collaborative Design Interface

Design with a prefabricated strategy in mind

Our design interface tool is a rapid design tool that provides schematic student housing designs which meet owner-driven requirements and design objectives, all the while incorporating prefabrication strategies.

Unlike the conventional design process, our design interface allows teams to take advantage of prefabrication and delivers design teams a precast ready schematic building.

With a precast prefabricated structural design in hand, designers can then focus on building aesthetics and unique project needs that add value. The tool will help keep designers on the cutting edge of technology and able to increase project value for owners.

- Easy to use while gaining insight into building design, fabrication, and costs
- Design flexibility to quickly try options
- Analysis that supports ways to improve efficiency without compromising design integrity

Benefits:

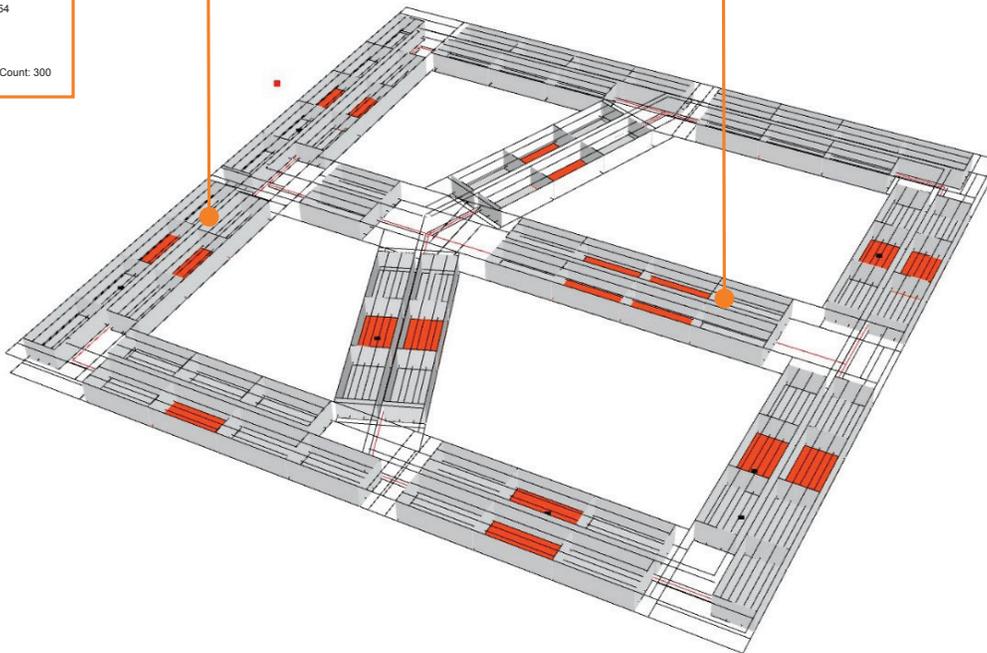
- Accelerates design process
- Increases optioneering
- Increases efficiency

Heads Up Display For project Metrics

Massing Model with Prefabricated Structure and Exterior cladding

Visual System Analysis

Bed Count: 300
Unit Count: 81
Standard Floor Module Count: 154
Circ Floor Module Count: 0
Rmndr Floor Module Count: 77
Custom Orth Module Count: 300
Custom Non Rectilinear Module Count: 300



CDI Process

To fully leverage the CDI tool on projects, Clark Pacific has a process to engage with all teams to ensure project success with the CDI:

Alignment

Kickoff
Design
Charrette

Refinement
Charrette

Solution
Review

Increase Design Efficiency while Leveraging Standards

The Collaborative Design Interface gives design teams and construction professionals a tool to rapidly share design and construction options, review and compare multiple options, and collectively analyze the information as a team. With design tools that leverage standards, the interface allows the design team to move rapidly and respond to the owner's questions in real time, positioning the design team as the thought leader in prefabricated building strategies.

Once the design decisions are made, Clark Pacific engineers the manufacture-build process. In addition to budget and schedule certainty, precast prefabricated solutions have other far reaching benefits such as reduced site-impacts, healthy buildings and resilience that both owners and design teams benefit from.

Collaborative Design Interface Specs:

The Collaborative Design Interface enables designers to rapidly generate dormitory schematic massing concepts that satisfy a client's layout requirements while taking advantage of Clark Pacific's prefabricated precast components.

Features

- Easy input of design parameters
- Rapid development of building massing
- Rapid development of structural precast solutions
- Output of high-level quantities for rough estimating
- Analysis and visibility into prefab solutions
- Analysis and visibility into performance metrics that impact design and costs

User Experience

- Easy to use while gaining insight into building design, fabrication, and costs
- Design flexibility to quickly try options
- Easy to understand the design, metrics, and analysis
- Analysis that supports ways to improve designs without compromising design integrity

Screenshots from the CDI shows the visual interface used for rapid iteration of design concepts.

