



MECHANICAL PLATFORM

PREFABRICATED CHILLER SUPPORT SOLUTION

Clark Pacific's prefabricated Mechanical Platform is designed to complement our total prefabricated solution for data center structure and enclosure. By incorporating the Mechanical Platform into the scope, it further accelerates the construction schedule and streamlines chiller installation.

The Mechanical Platform integrates seamlessly with our data center structural system, providing a complete chiller support solution. Engineered to replace traditional structural steel framing systems, the platform offers an efficient, single-source solution.

By sequencing the installation of the platform alongside the chillers, we ensure synchronized delivery, enhanced site coordination, and a reduction in overall construction time—saving 4 to 8 weeks in the process.



KEY FEATURES

- **Unistrut Integration:** Embedded Unistrut simplifies pipe and equipment installations, making it easier to hang and route systems.
- **Moveable Grates:** Improve maintenance access in completed data centers
- **Reduced Roof Penetrations:** The platform minimizes roof penetrations, enhancing weatherproofing and ensuring better long-term system performance.
- **Accelerated Construction:** Incorporating the Mechanical Platform into a prefabricated data center can reduce project timelines by up to two months.



SUPPORTING NEXT-GENERATION DATA CENTERS

- **Customizable Grids:** Beam profile and spacing accommodates most chiller models giving the owner flexibility to procure different chillers late in the manufacturing phase, even allowing for future replacements without modifying the underlying support
- **Load Capacity:** Standard Configuration supports chiller, tanks and other equipment with weights up to 40,000 lbs. Design can be customized to accommodate more challenging equipment configurations.
- **Integration:** Fully compatible with Clark Pacific's structural system, ensuring durability, longevity, and seamless integration with the overall project.



KEY BENEFITS

- **Offsite Construction:** Reduces on-site disruption, improving safety and efficiency during installation.
- **CARBONSHIELD®:** Clark Pacific's - low carbon cement replacement mix - lowering embodied carbon in the structure to help meet project sustainability goals.
- **Efficient Chiller Installation:** Chillers are placed concurrently with the platform, enabling a streamlined, synchronized installation process
- **Pre-Installed Supports:** Embedded components for screen wall, handrail, and stair support are pre-installed, easing setup and reducing labor costs.
- **Faster Project Completion:** The prefabricated solution accelerates construction, resulting in faster project delivery.
- **Comprehensive Solution:** The platform provides a complete, unified chiller support system that integrates seamlessly with the entire data center infrastructure.

