



LAB SOLUTIONS

HIGH-PERFORMING PREFABRICATED LABORATORY FACILITIES



Leveraging decades of structural design experience, Clark Pacific's Lab Solutions offer premium laboratory facilities that respond to a range of mission critical uses including life science, advanced technology, and R&D. Designed to adapt to the needs of a dynamic industry, our Lab solutions excel in flexibility while producing superior performance and containing costs when compared to all other competing structural systems.

Performance that matters

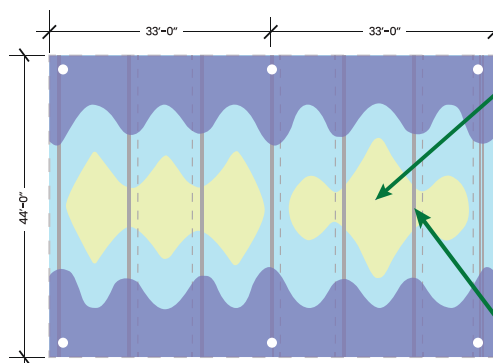
Our Lab Solutions are designed to offer superior performance, no matter the project requirements. Structurally efficient floor framing allows for grid spacing versatility and fewer columns overall with a 33' x 44' structural grid achieving RMS velocities less than 3,000 $\mu\text{in/s}$. In addition, gravity design loading at floors and roof is ready to meet the demands of life science occupancy.

STANDARD FEATURES

- Achieve spans up to 48' with 33' column spacing
- 16' floor to floor height up to 14 stories tall
- Gravity design loading criteria
- Panelized precast lateral-force resisting system
- Flat floor that meets FF25 (floor flatness) criteria
- 2-hour UL Fire Rated Floor

BENEFITS

- Superior vibration performance
- Open floor plan; numerous configuration possibilities
- Flexible floor plate ready for future tenant improvements
- Supports heavy rooftop mechanical loads
- Enhanced sustainability with CARBONSHIELD™
- One partner, full team of dedicated professionals



Max RMS Velocity at Slab
Midspan = 2,800 $\mu\text{in/s}$

6000-8000 $\mu\text{in/s}$ (ISO-Res)
4000-6000 $\mu\text{in/s}$ (FGI-Hosp)
2000-4000 $\mu\text{in/s}$ (ISO Op-Th)
1000-2000 $\mu\text{in/s}$ (IEST-VC-A)
<math>< 1000 \mu\text{in/s}</math> (IEST VC-B)

"Class" at 75ppm	% VC-A	% 3,000
4,000 $\mu\text{in/s}$	80%	100%

Max RMS Velocity at Rib
Midspan = 2,100 $\mu\text{in/s}$

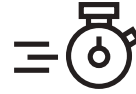


FLEXIBILITY NOW AND IN THE FUTURE

Clark Pacific developed its Lab Solutions with flexibility in mind to respond to the needs of a dynamic market. The structural system can accommodate both designated lab and office space depending on requirements. Collaborative workspaces can be delivered with radiant floors for reduced energy consumption. Helping to avoid costly retrofits, our floors easily accommodate future tenant improvements. For example, unplanned openings up to 24" wide can be supported without additional framing. While Infinite Facade™ is our recommended facade solution, we can accommodate your choice of building envelope.



PREFABRICATION FOR REDUCED RISK



**ACCELERATED
SCHEDULE**



**REDUCED SITE
DISRUPTION**



**BUDGET
CERTAINTY**



**FACTORY-LEVEL
QUALITY AND DURABILITY**

SUSTAINABLY MINDED

Clark Pacific is prepared to help advance your low-carbon strategy. The structural components for our Lab Solutions have been sustainably conceived to reduce total concrete volume, building weight and embodied carbon.

To further reduce embodied carbon in your new project, ask about using CARBONSHIELD™, Clark Pacific's low-carbon concrete.

Finally, structural components have been sustainably conceived to reduce total concrete volume, building weight and embodied carbon.

**ASK ABOUT USING CARBONSHIELD™
CLARK PACIFIC'S LOW-CARBON CONCRETE.**

**Build different.
Achieve more.**

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