



PREFABRICATED EXTERIOR SYSTEMS

Raymond is advancing the building enclosure process with prefabricated, high performance, Exterior Panels and Load Bearing Panels.

Benefits



SHORTEN SCHEDULE

Reduce building envelope installation time by up to eighty percent when compared to conventional field-installed construction methods.

Opportunity for increased profits due to early building occupancy.



REDUCE FIELD MANPOWER

Easy installation means less labor onsite. Reductions can be as much as going from 60 workers to 6 when compared to conventional construction methods.

Increase ability to meet social distancing requirements.

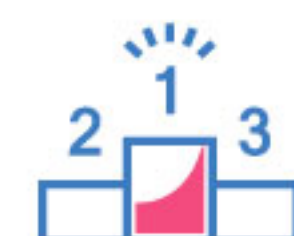


INCREASE SAFETY

Reduce congestion and accidents with the bulk of labor moved offsite.

Eliminate scaffolding and other complications of working at high elevations.

Reduce waste that often accumulates on jobsites.



IMPROVE QUALITY

Panels are produced in full compliance with codes for testing, building and energy efficiency.

Panels are produced in dedicated manufacturing facilities under controlled conditions.

Applications

EXTERIOR PANELS

Raymond combines the latest technology with proven products to deliver the most energy efficient, architecturally versatile exteriors in the construction industry today, employing a process that saves time, adds value and improves quality.

Exterior Panels provide buildings with added protection from moisture, and increased thermal performance, with a double layer system separated by a ventilated air cavity and an inner air vapor barrier. Panels include basic framing with cold-formed metal studs, and the ability to install a weather barrier and windows offsite.

- ✓ Panel walls can have up to ninety percent less weight than conventional wall types.
- ✓ Meet the unique needs of each project with a nearly unlimited range of finishes.

Rainscreen • EIFS • Brick & Stone • Metal • Steel • Fiber Cement • Precast • Swiss Pearl
Dri Design • Mineral Systems • Back Up Panel

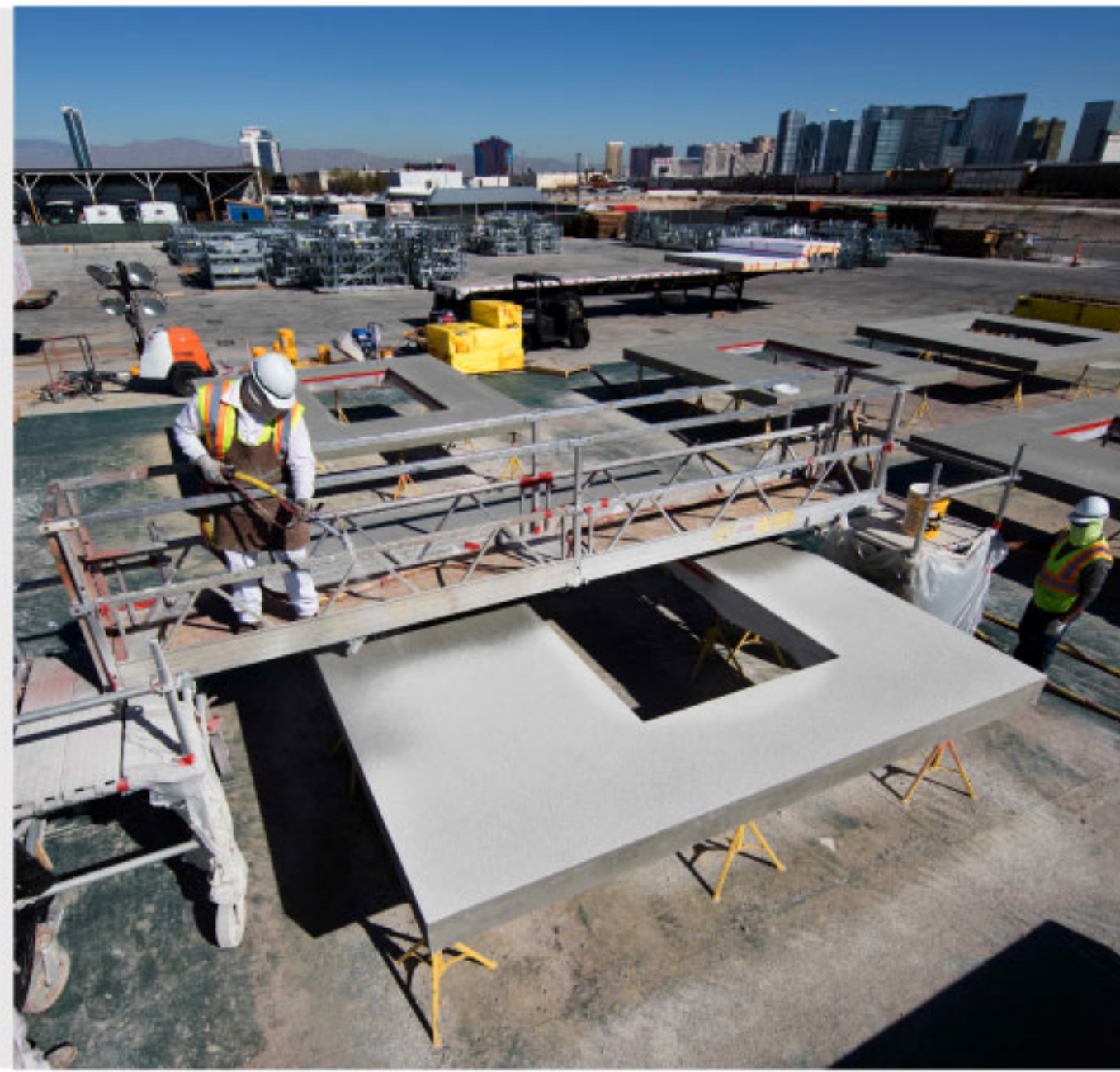
CASE STUDY | Centennial Hills Hospital

Las Vegas, Nevada

New, 5-story patient tower

Sto Panel Insulated Metal Wall Panels with EIFS

- Reduction in manpower onsite
- Cleaner jobsite
- Schedule compressed allowing hospital beds to be ready 12 weeks early



LOAD BEARING PANELS

For buildings up to 10-stories, load bearing panels are delivered complete with all rough openings, headers, and bridging. Can include an Air Barrier System with a basic stud assembly, and sheathing. Gypsum board installed on the walls can be any specified exterior drywall. Cold-formed steel panels do not rot, sprawl, split, or absorb moisture, unlike other building materials.

- ✓ High Strength to Weight Ratio = Reduced Mass at Foundation = Design Savings
- ✓ Non-combustible, Safer Structures = Less Risk and Lower Insurance Cost
- ✓ Quicker Installation = Shorter Construction Cycle and Faster Revenue Generation
- ✓ Highly Recycled and Infinitely Recyclable

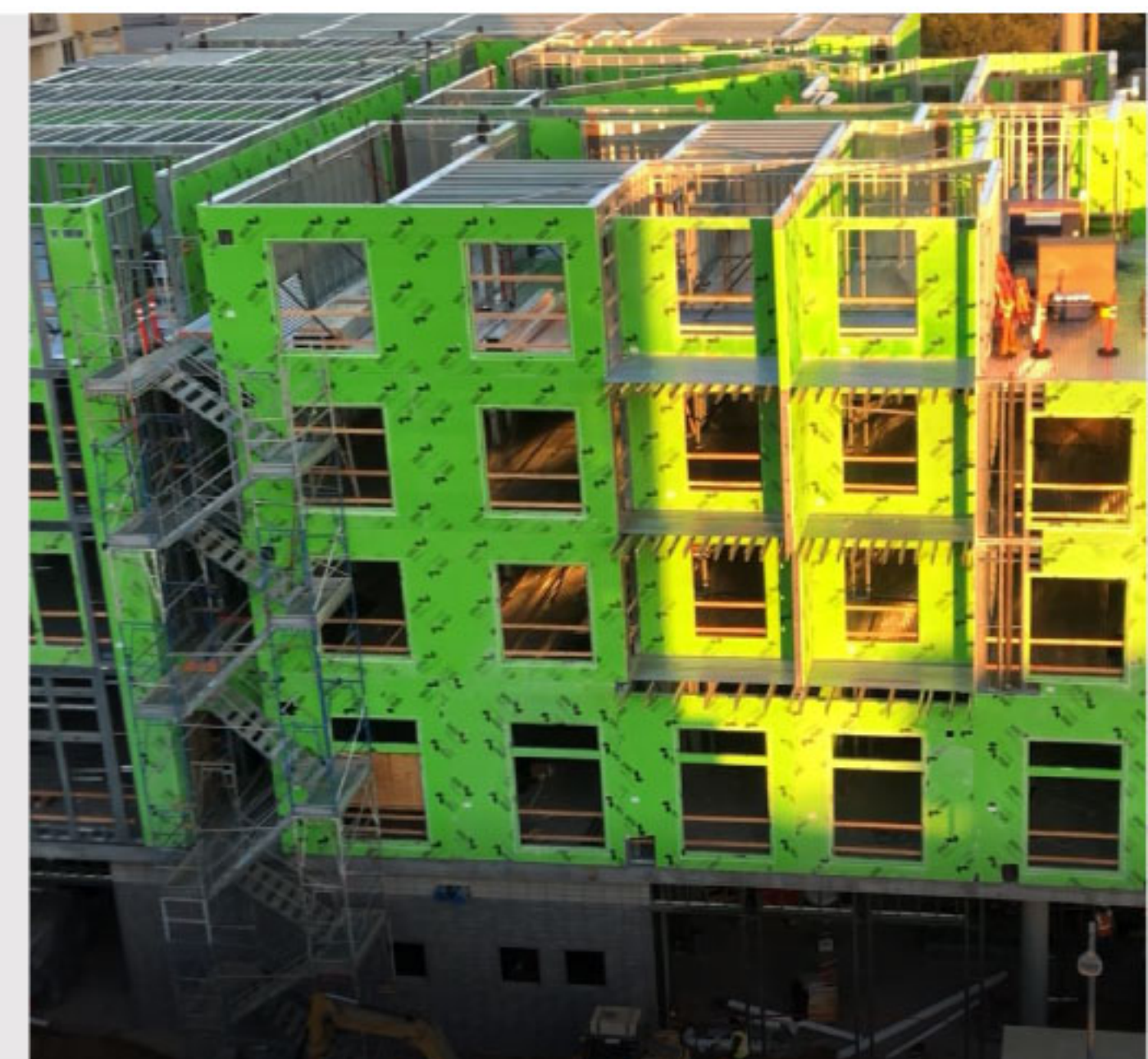
CASE STUDY | Variel

Woodland Hills, California

New, 8-story, luxury, senior living facility

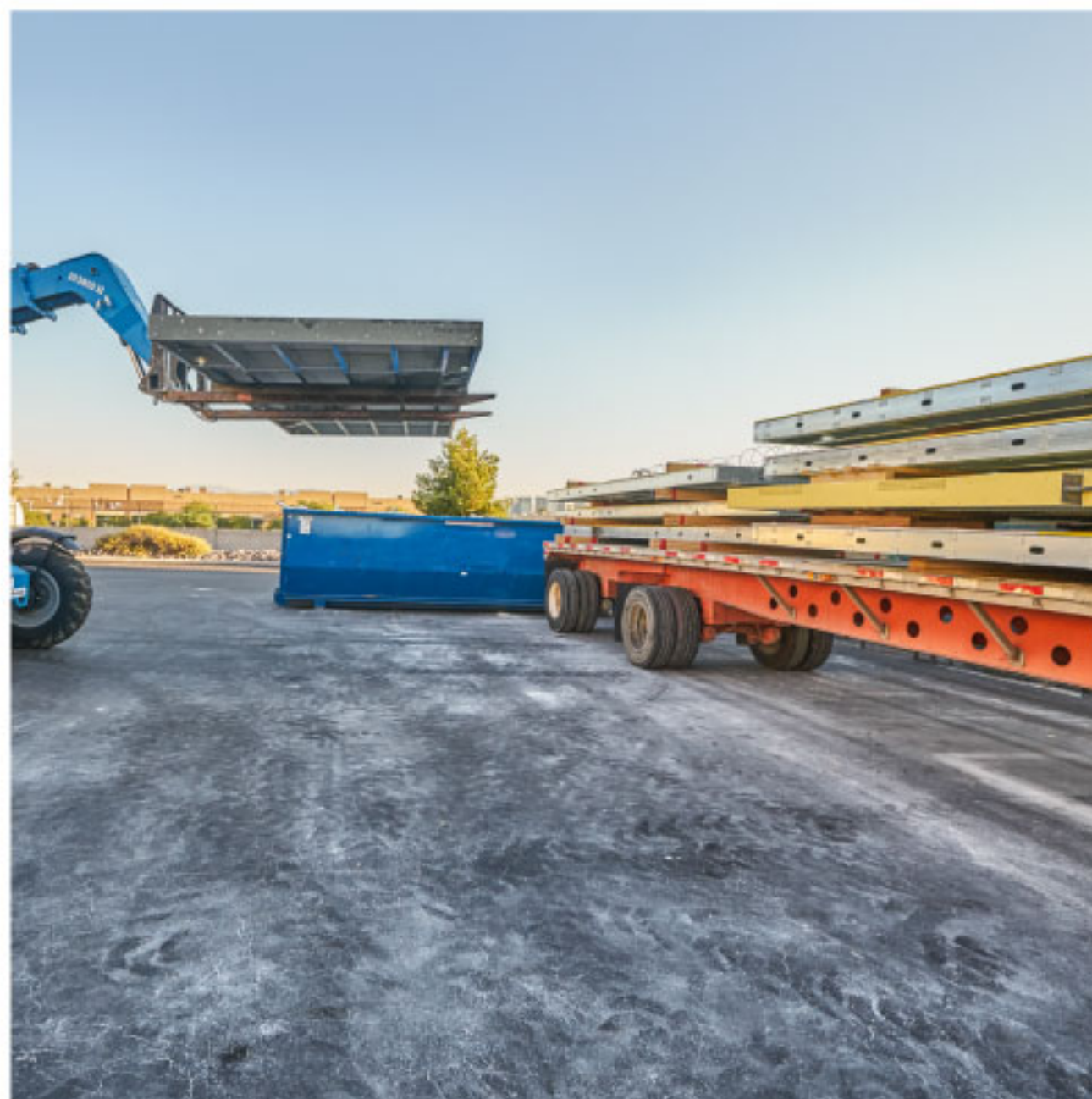
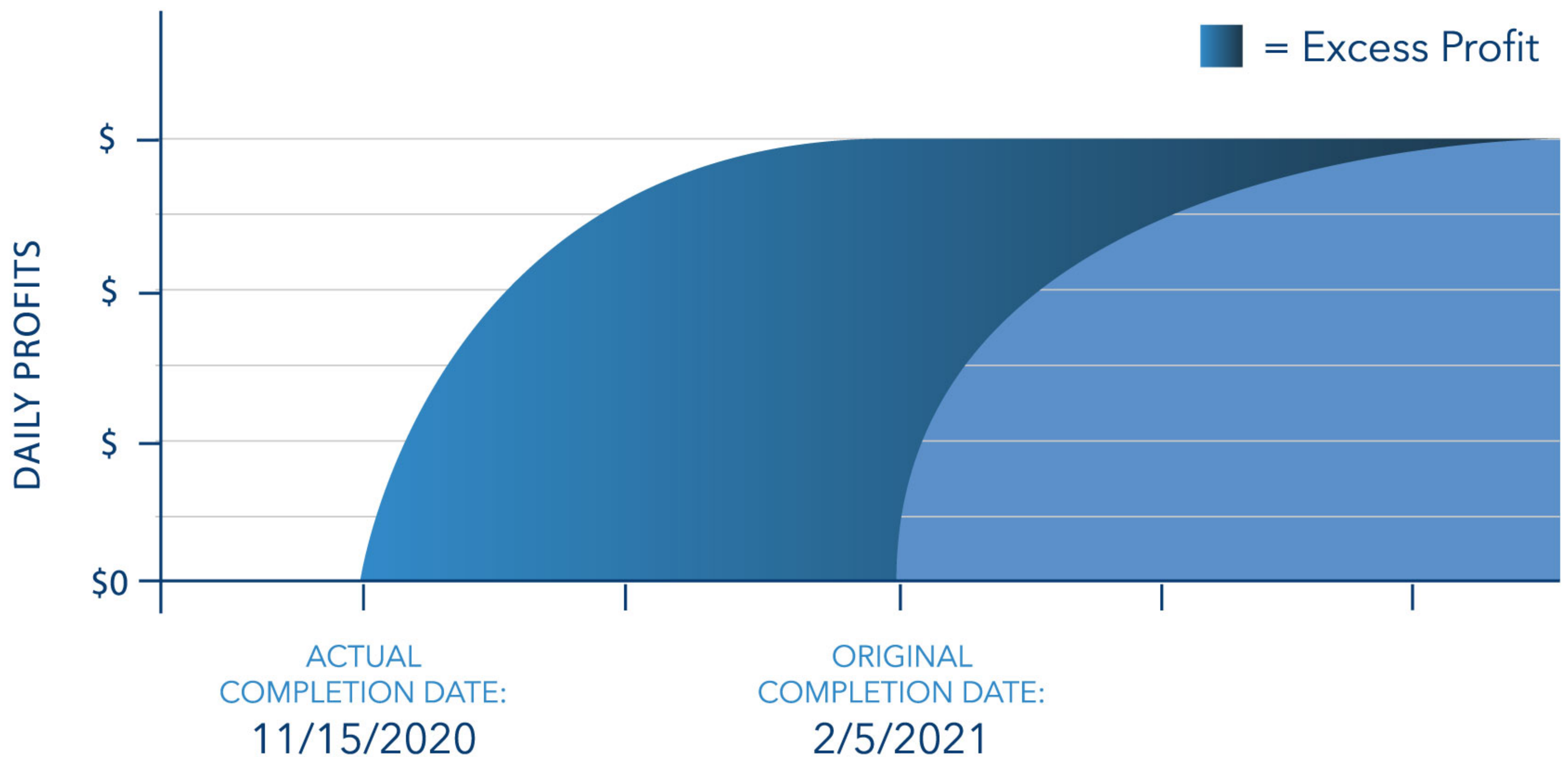
Load bearing structural panelized framing and sheathing

- Schedule compressed allowing for early occupancy
- Reduction in manpower onsite by 1/3, reducing congestion and allowing for social distancing



Case Study

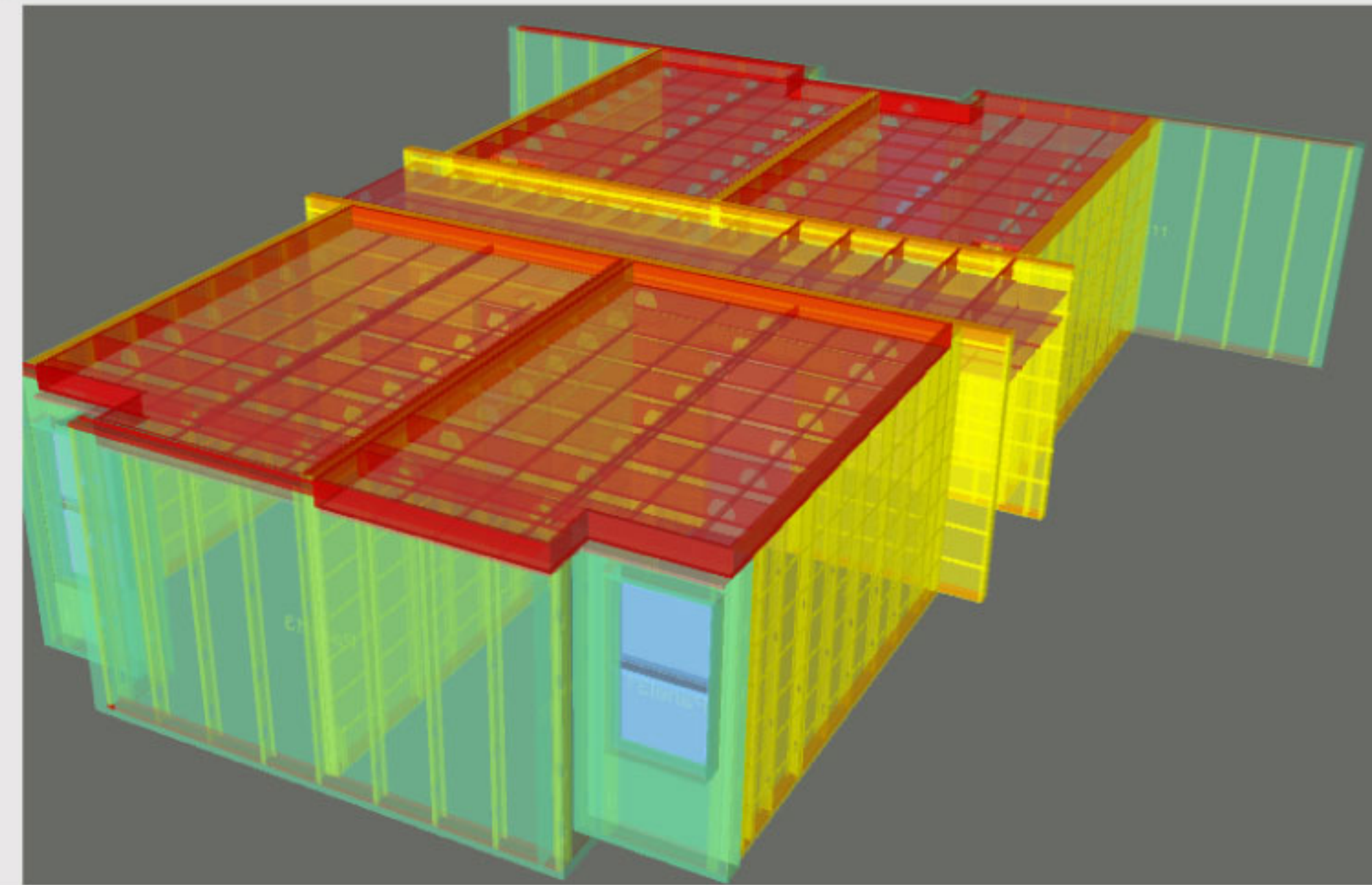
ADDITIONAL OWNER PROFIT EARLIER COMPLETION OF PROJECT DUE TO PREFABRICATION



Process

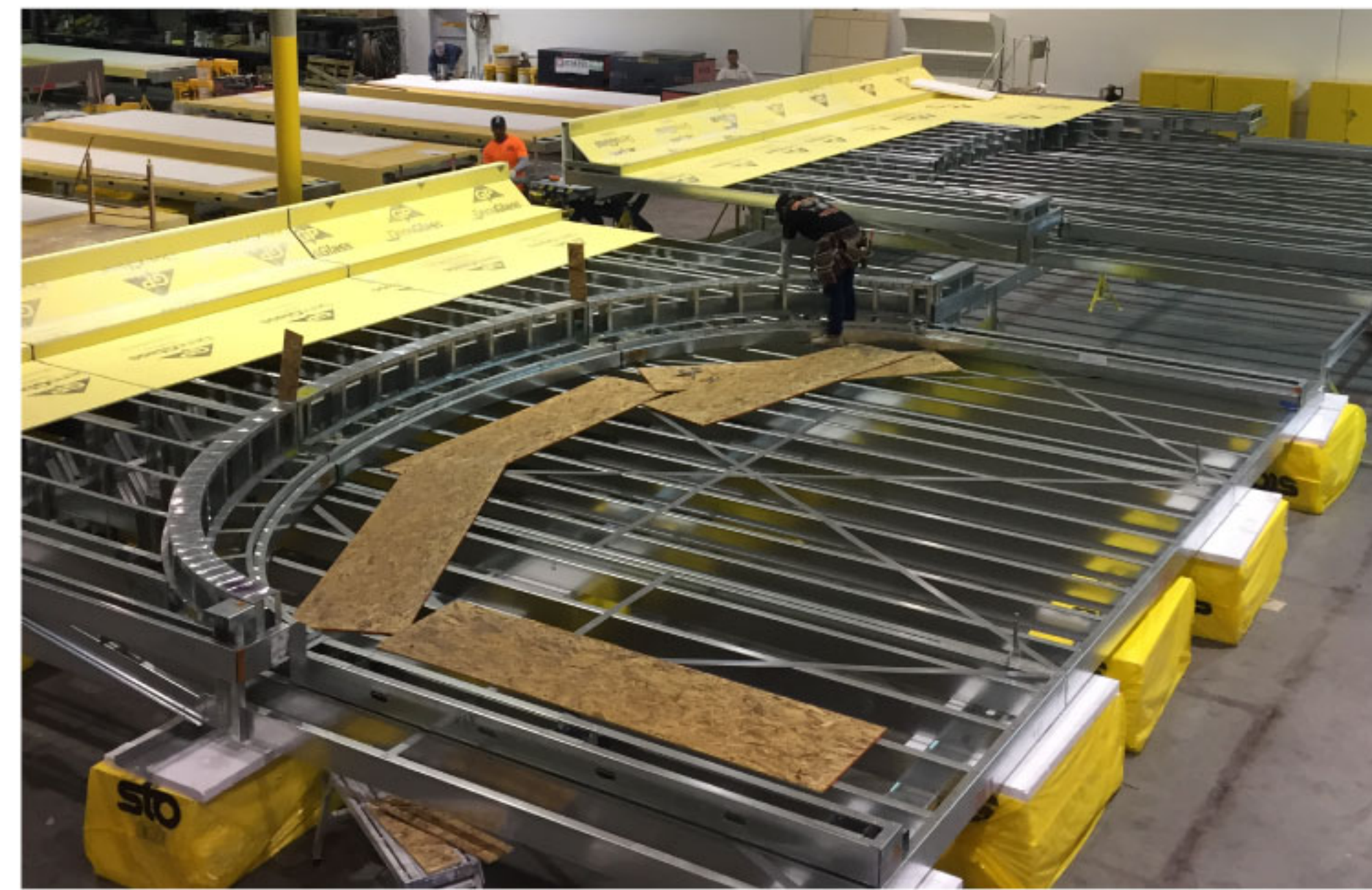
MODELING

Raymond's in-house Virtual Design & Construction department utilizes building information modeling to ensure prefabricated panels meet each project's design and performance needs and to coordinate enclosures with all trades.



FABRICATION

Panels are manufactured in Raymond's offsite prefabrication facilities to the exact specifications of the project and undergo extensive quality control measures. Loading of panels is methodical with panels set in a strategic order, allowing the offloading and installation processes to run smoothly.



DELIVERY

Raymond coordinates just-in-time arrival of complete building enclosures for efficient installation.



INSTALLATION

Building structures are erected quickly and safely. Raymond monitors the exterior panel system after installation to ensure optimal building performance.



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