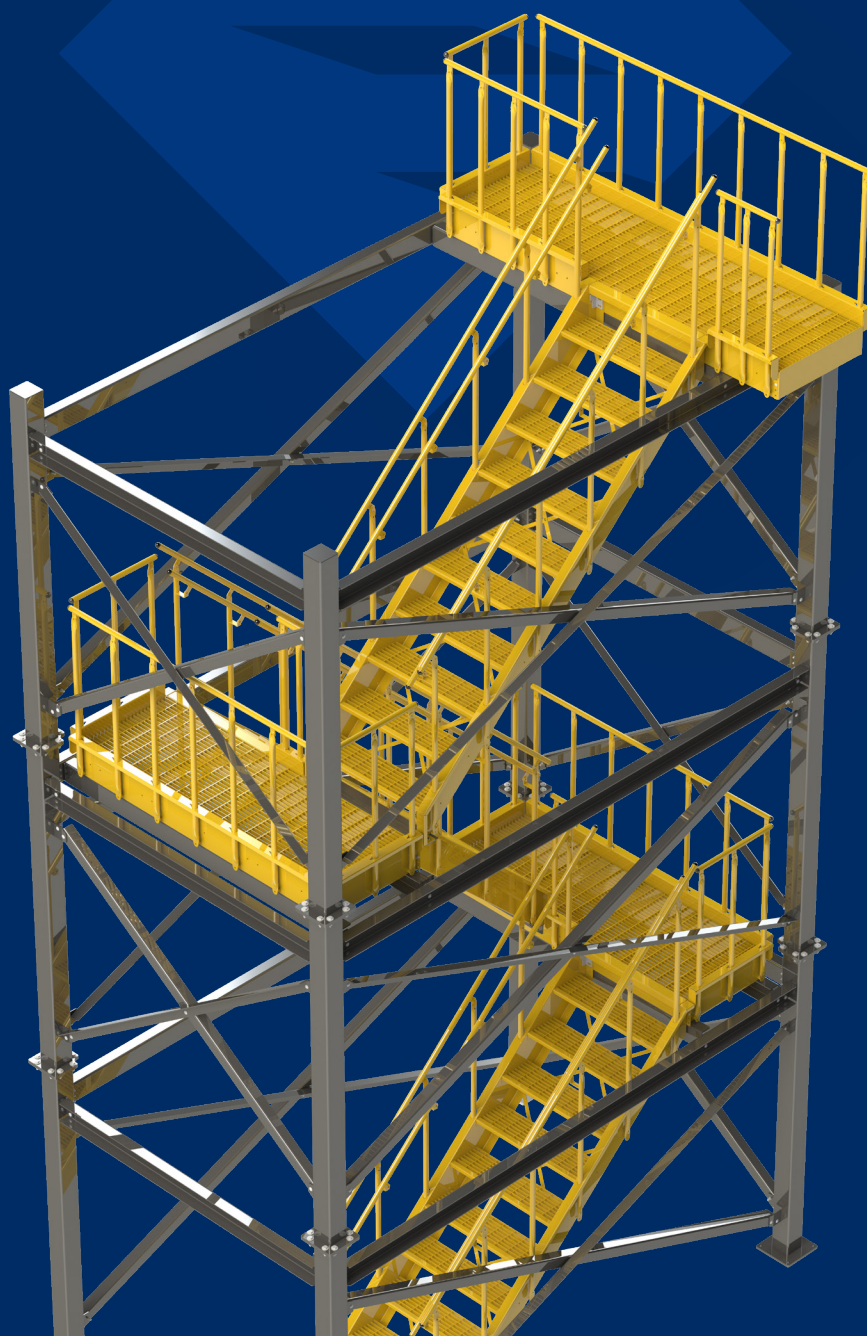


Stair Tower System

Customize your tower with modular units





Stair Tower Systems

Benefits and Options

Modular, permanent, code-compliant, stair towers are designed to save time and money over custom-designed stair towers. Designed in modular units with a choice of standard industrial stairs or alternating tread stairs. Each unit is assembled and then installed by stacking and bolting together at the base plates for easy alignment. No welding is required for assembly or installation.

01 Free Standing

Our stair towers can be completely independent or integrated into existing structures.

02 100% Factory Finished

No post-manufacturing welding is necessary.

03 Simple, Bolt-together Installation

Our knock-down design ships flat, arrives ready to assemble, and requires no welding or expensive equipment for installation.

04 Space Saving Options

Stair towers can be designed with space-saving alternating tread stair or standard industrial stairs.

STAIR TOWER TECHNICAL SPECS	
Freestanding Stair Tower Heights	Maximum Heights 50'
Attached Stair Tower Heights	Contact a stair expert
Materials	Carbon Steel
Finishes	Powder Coated Safety Yellow Powder Coated Iron Gray Choice of Color, Powder Coat (RAL) Gray Primer Galvanized, recommended for all outside applications
Compliance	OSHA (only)
Treads	Diamond Plate Grip Strut Bar Grating Concrete Pan
Capacity	1,000 lbs
Risers	Open

Stair Tower System Proposal

The Lapeyre Stair Tower System is a freestanding, pre-engineered, modular stair solution designed for permanent installation. Its structure is assembled floor by floor, with each level stacking securely on the one below. The entire system is bolt-together, and Lapeyre Stair supplies all required bolts for assembly, except for the anchoring components at the tower base.

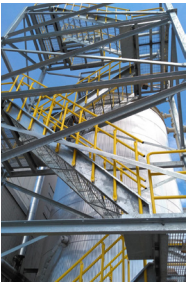
OSHA Compliant Design

The stair tower complies with the design standards for Walking-Working Surfaces as outlined in OSHA's 1910 Subpart D, which apply to general industry workplaces and cover surfaces used by workers. However, the stair tower is not intended for use as a public means of egress and does not meet the requirements of Chapter 10 of the International Building Code (IBC) for Means of Egress.

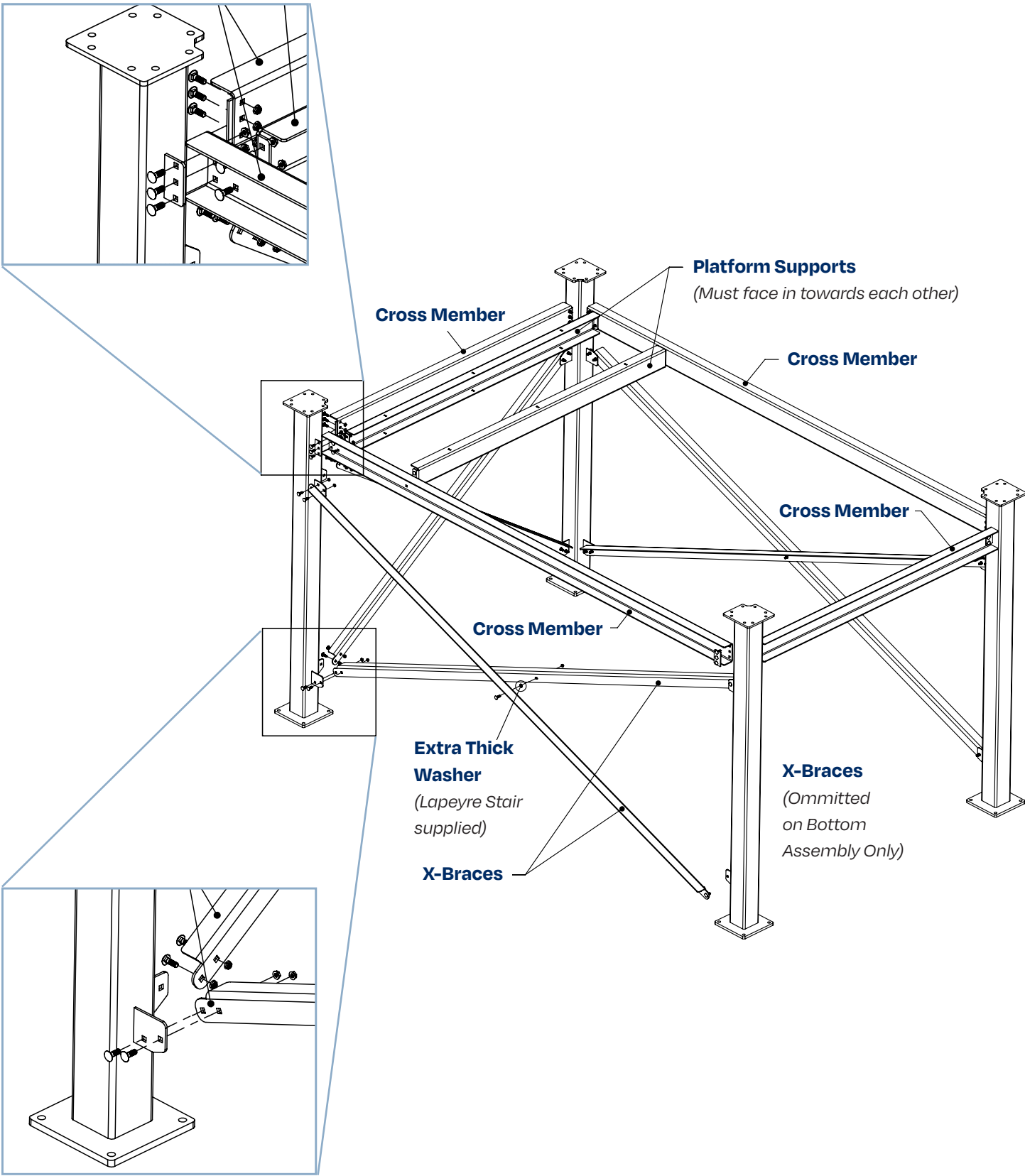
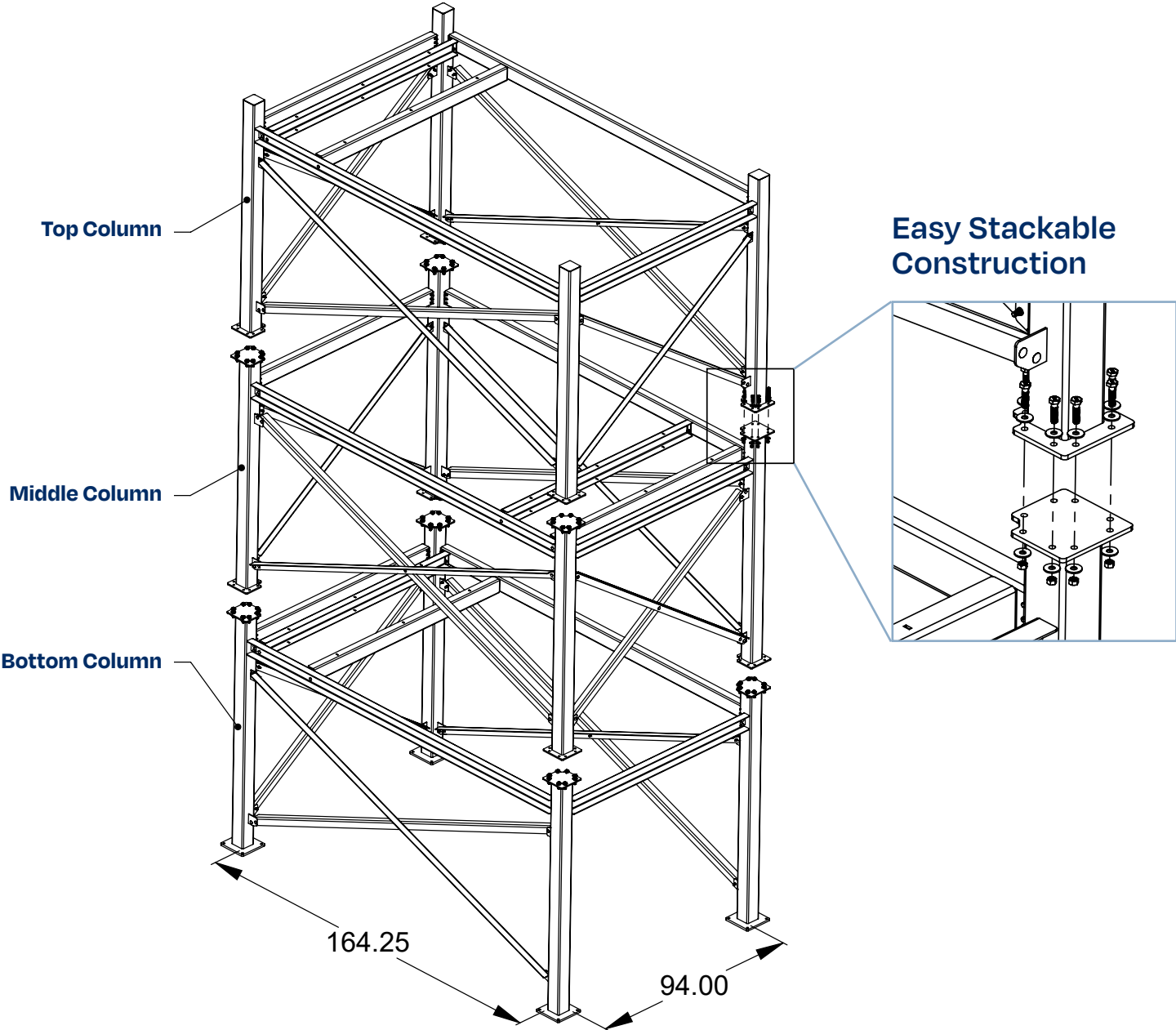
Engineering calculations

Our proposal includes state-specific engineering stamps and calculations for the stair tower. These calculations apply exclusively to the tower structure and do not cover the foundation or anchoring system. Typically, the anchoring system will require a minimum embedment depth of 8 inches in a concrete foundation capable of supporting this depth. The tower foundation should be evaluated or designed by a licensed engineer familiar with the specific requirements of the installation site.

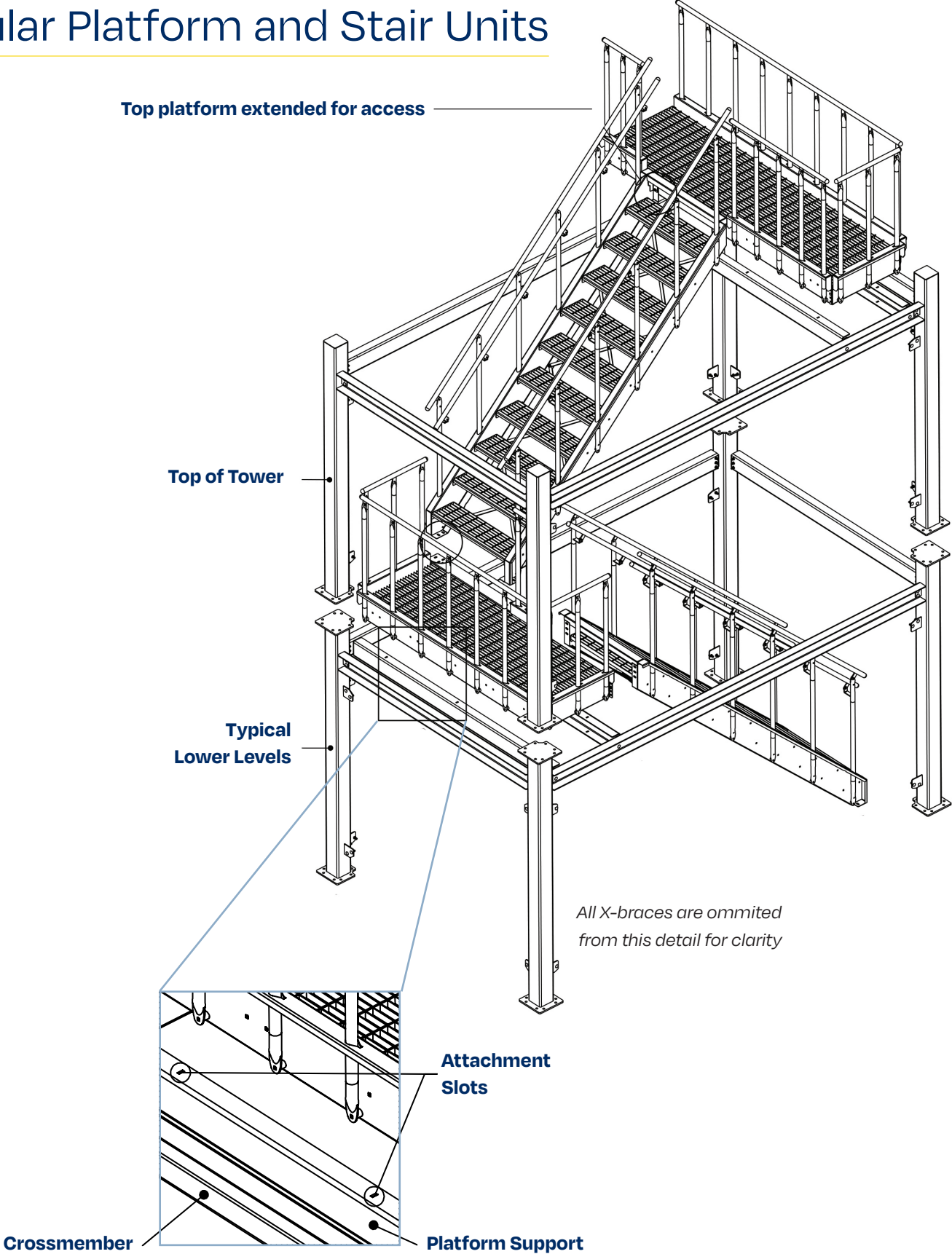
Applications



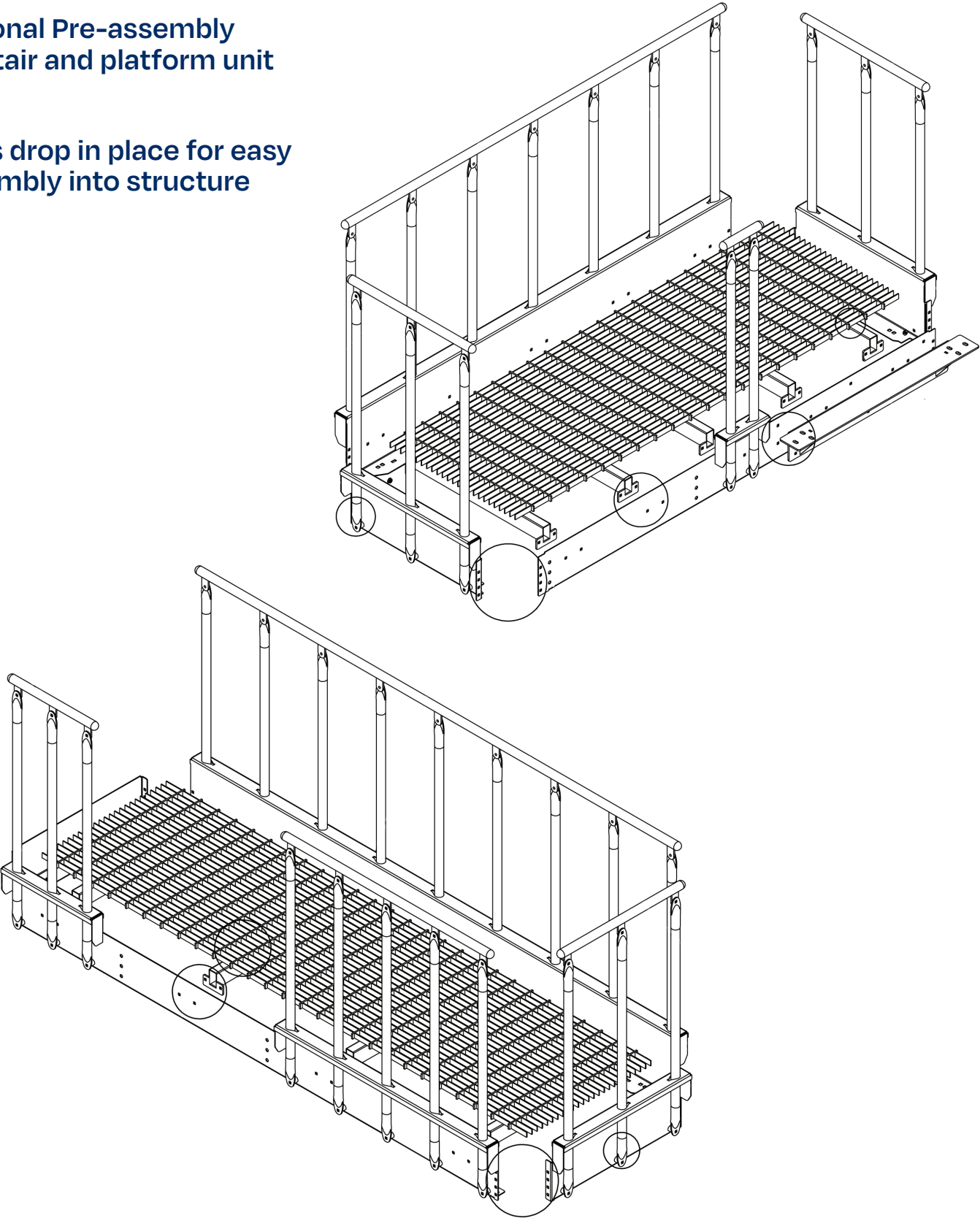
Typical Tower Assembly Details



Modular Platform and Stair Units



- Optional Pre-assembly for stair and platform unit
- Units drop in place for easy assembly into structure



Tested and Proven Solutions by Lapeyre Stair

EGRESS STAIRS



EQUIPMENT ACCESS



CONVEYOR CROSSOVERS



TANK AND SILO ACCESS



WORK PLATFORMS



LOADING DOCK ACCESS



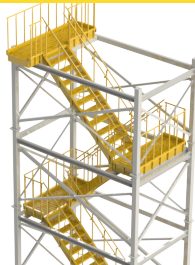
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ROOF ACCESS/ROOF TOP APPLICATIONS



STAIR TOWERS



GENERATOR PLATFORMS



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