

**Designed For High-Rise Market**



The column-hung shoring system is an alternative to traditional truss systems and has played a major role in helping contractors keep on top of aggressive building schedules in today's demanding high-rise, multi-use construction market. Our Hi-Flyer® has several features that make it the most efficient column-hung system available: it has been known to improve production time on a project by 25-30%.

**Eliminates Reshoring**



The Hi Flyer® makes reshoring unnecessary. Our heavy-duty Screw Jack simply bolts to the column, which transfers the load down through the column structure itself rather than to a slab below. Follow-up trades can start to work sooner and building materials can be moved in by crane a few days after the concrete has been poured.

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**Aluma Hi-Flyer**  
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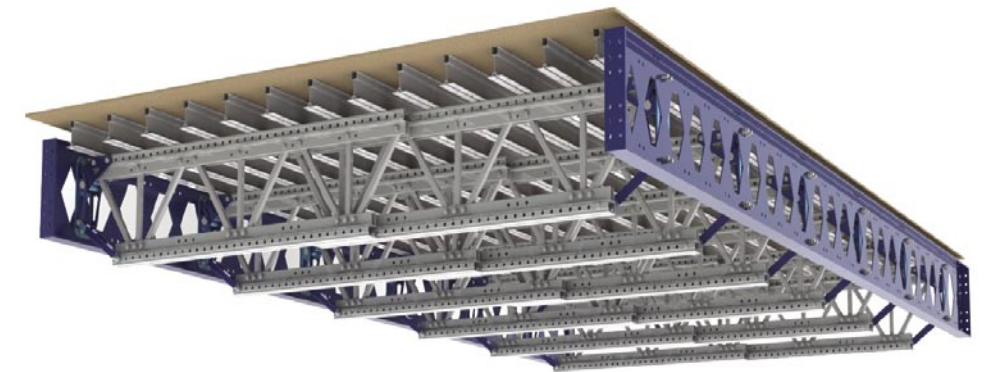
**Aluma Systems**  
**Concrete Construction**

# Aluma Systems Hi-Flyer®: An Innovation in Column-Hung Shoring Systems

**Introduction**

The Aluma Hi-Flyer® is a superior column-hung system designed for creating large tables - typically 30' wide by 80' long. This updated system is tailor-made for multi-use or high-rise buildings with regular floor plans and bay sizes with large spans between columns. It can be easily assembled by a small crew of skilled workers.

The Hi-Flyer® capitalizes on all the advantages of standard column-hung systems, and introduces new features – such as the adjustable aluminum Transverse Truss – that offer even greater efficiencies across the board. The result? Contractors are able to complete floors at a blazing rate of 1 every 3 days, and overall production time improves by 25-30%.



\* **Note:** Equipment shown is for demonstration purposes only

**Safe**

- Engineered by our experienced, safety-award-winning team
- Flip Down Guardrail system available at perimeters of tables
- Completely decked with plywood, eliminating potential fall hazards

**Smart**

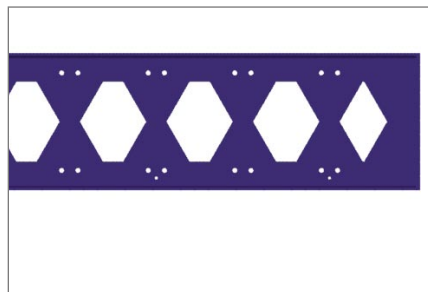
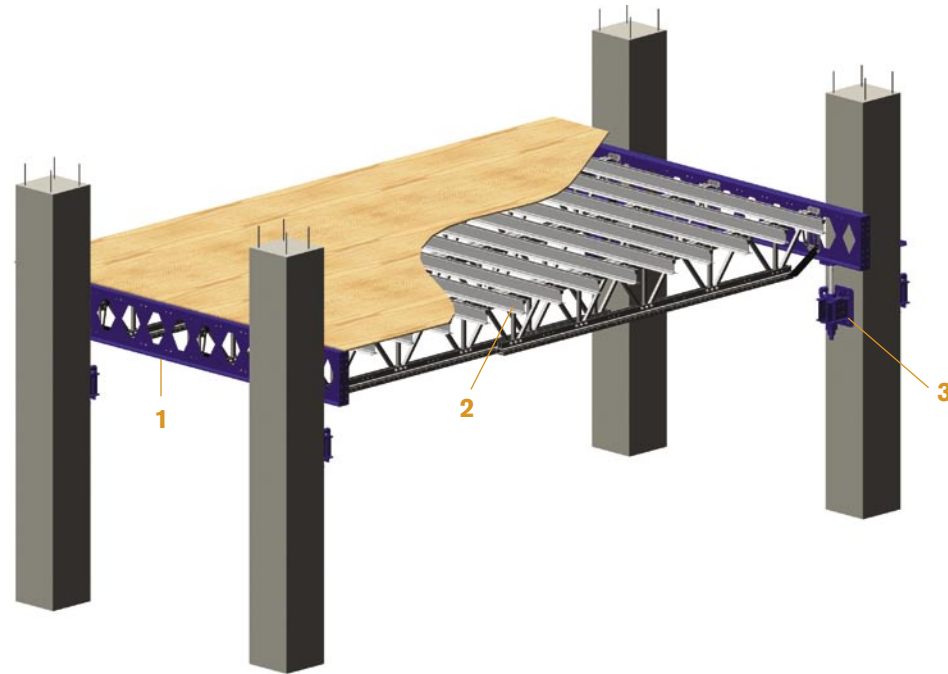
- Compatible with Aluma Beam®
- Pre-fit modular components simplify and speed up assembly
- Adjustable Transverse Beams can be reused

**Efficient**

- Reduces assembly time
- Eliminates reshoring
- Allows follow-up trades earlier access to floors below table level

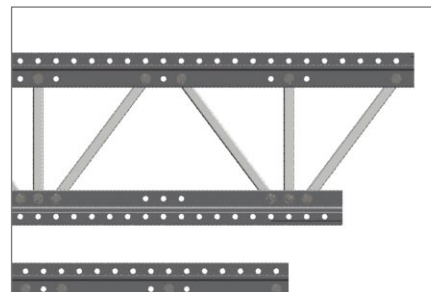
**The Only Adjustable Aluminum Truss on the Market**

The Hi-Flyer's® high-strength, adjustable aluminum Transverse Trusses can be spaced further apart than those in other systems – 80" instead of the typical 30". Wider spacing means quicker assembly. Hi-Flyer® Trusses are pre-set to the right length for each project, with end brackets pre-attached to both steel beams and trusses. Once bracketed, beams and trusses are efficiently joined together with one bolt. When braces are added at each connection, the basic table is complete.



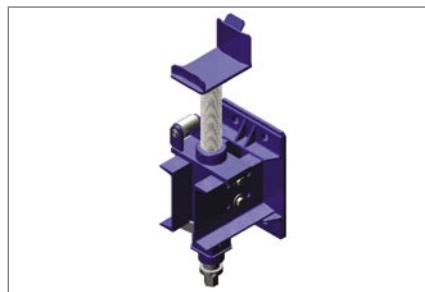
**1. Castelite Beam**

Lightweight steel beam available in 16', 32' and 40' standard lengths. Shipped to the site complete with attachment brackets pre-attached to accept Transverse Beams.



**2. Transverse Truss**

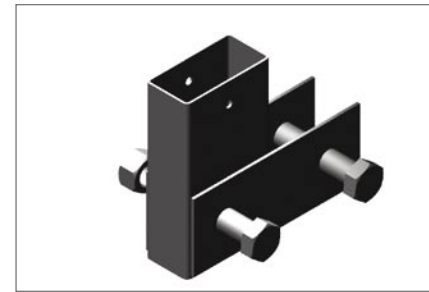
Adjustable, allowing for bay widths from 14' to 34'. Typically spaced 6' to 8' on center to support Aluma Beam®.



**3. Jack Base Assembly**

Jack assembly is mounted to the column to accept the Castelite Beam. Hi-Flyer® utilizes a two-piece jack, resulting in lighter components to install. The extended jack receiver is used to accommodate columns out of line. 3".

**Super Efficient Core Components and Accessories**



**Guardrail**

Folding Guardrail post allows guardrails to lay flat prior to the flying operation.



**Attachment Bracket**

Connects each end of the Transverse Truss to the Castelite Beam with one bolt.



**End Bracket**

Attaches Castelite Beam at any multiple of 16" spacing to allow table to be designed for optimum efficiency of load-carrying Transverse Trusses.



**Shims**

Available in 1", 2" and 4" for extra adjustment of jack position.



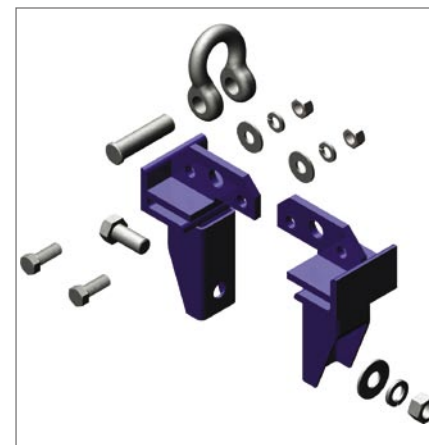
**Roller**

Low-friction rollers allow table to be easily moved.



**Knee Brace**

Ties lower chord of Truss to Castelite Beam to maintain table rigidity.



**Castelite Lifting Bracket**

Attaches easily to Castelite Beam. Low profile design allows bracket to remain in place throughout job.



**Fixed Arm Assembly**

Accessory Item that allows support of larger inter-column spaces or slab edges/walkways.



**Hinged Arm Assembly**

Accessory Item that allows support of larger inter-column spaces or slab edges/walkways. Folds out of the way during flying.