FlyForms International L.L.C.

Formwork Solutions

- *Supply*
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Aluminium Table Form Slab System

Assembly and Application Guide

Product Information & Features

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Product Features

The FFI Aluminium Table System is designed to reduce material quantity, erection and dismantling time as well as effort, subsequently increasing efficiency and reducing general construction time, materials and labour cost. All main components are manufactured from high grade aluminium alloy. This structural grade aluminium has exceptional properties being extremely light in weight but also heavy-duty and durable. When incorporating this into a design which utilizes standard components and allows several possible plan and elevation variables, it provides a lightweight solution for a large area slab formwork system.

Requiring initial assembly only, the tables can be effectively be used for typical floor slabs requiring multiple reuses, offering significant reduction in material quantities, and wear/damage. The most important feature of this system is its durability against weathering and corrosion and its ability to be used for a long period of time.

The unique interlocking bracing system allows for flexible adjustability while maintaining structural rigidity and alignment accuracy, eliminating the element of human error.

Due to the lightweight material and simple erection procedure, the tables can be swiftly and easily assembled in a one-time operation with minimal manpower and resources. The ability to perform this off site if required also gives more options when coordinating site operations and space usage.

The Aluminium Table Form Slab System is designed and manufactured in accordance with BS EN 12182 : 2008, code of practice for Falsework

Important Remarks

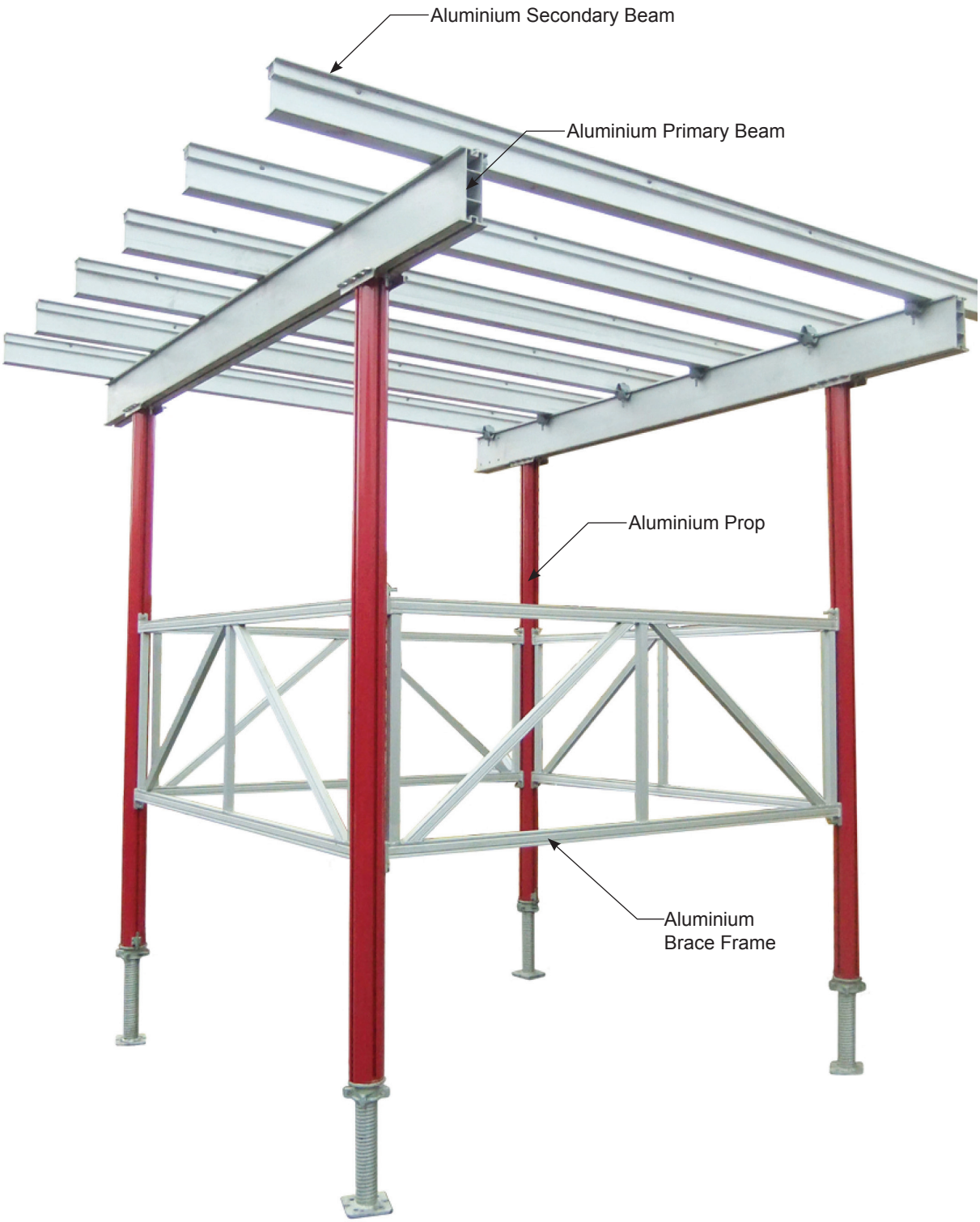
The succeeding instructions for assembly and application have to be carefully read as it contains detailed information regarding the proper application and handling of the FFI Aluminium Table Form Slab System. All instructions concerning technical operation and function have to be observed carefully. Please note that exceptional use of the FFI Aluminium Table Form Slab System requires a separate design calculation.

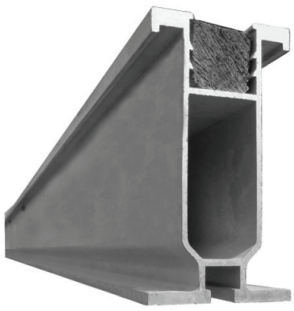
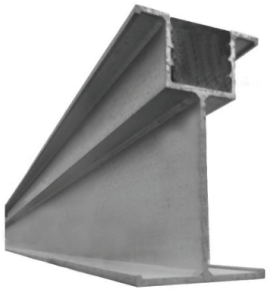
In order to ensure a technical and safe use of our product, all relevant national safety rules and regulations and safety instructions of national institutes and/or local authorities have to be observed. In general, only undamaged material and components which are in proper condition must be used.

It is important that damaged components are sorted out and removed from the construction site. In case of repairs, only original spare parts of FFI must be used.

The use of FFI formwork systems combined with other supplier's materials may involve certain dangers and require an additional inspection and quality check by our formwork specialist.

Due to technical development of our system, we would like to emphasize that FFI reserves the right to revise, change, or modify any of the product's components at any time without prior notice.


Aluminium Secondary Beam
Aluminium Primary Beam
Aluminium Prop
Aluminium
Brace Frame

	Art. No	Weight Kg/pc.	
Aluminium Prop			
300 (L=1.80m - 3.0m)	**501PR170**	**20.54**	
350 (L=2.32m - 3.5m)	**501PR220**	**22.80**	
400 (L=2.82m - 4.0m)	**501PR270**	**25.05**	
500 (L=3.82m - 5.0m)	**501PR370**	**29.55**	
The FFI Aluminium props are available in a range of sizes to suit each individual situation. The adjustment nut features a quick release locking system enabling swift and easy raising and dropping of the jacks, reducing friction on the nut while turning and safely retaining the jacks while flying the tables.			
Aluminium Beam PB 225 x 100 DW The 225 mm FFI Double aluminium beam is typically used as primary beam and will be bolted to the props using T-bolt	**501PB100**	**8.61**	
Aluminium Beam SB 150 x 80 DW The 150mm FFi Double Web Aluminium Beam can be bolted to props and used as a primary beam, or alternatively fixed as a secondary beam to the primary using FFI U-clamps	**501SB100**	**5.60**	
ALUMINIUM BEAM SB 150 X 80 SW The 150mm FFI Single web Aluminium Beam Is typically used as a secondary beam and is fixed the primary using FFI U-Clamps.	**501SB010**	**3.36**	

	Art. No	Weight Kg/pc.	
Aluminium Brace Frame			
1.20m	501BF120	5.02	
1.50m	501BF150	5.98	
1.80m	501BF180	6.95	
2.40m	501BF240	9.87	
3.00m	501BF300	11.79	
The FFI Aluminium Brace frame is extremely lightweight and is available in a variety of sizes. This enables the assembly of a wide range of different table dimensions with the ability of post-assembly modification. It is fixed to the FFI Aluminium Prop using FFI T-Bolts.			
Universal Beam Clamp The Universal Beam Clamp is used for making a quick and easy connection between any two Aluminium Beams.	501UBC650	0.65	
T - Bolt 12x55 CW 16m H NUT The FFI T Bolt has a unique trapezoidal thread and curved head that allow it to lock inside the grooves of FFI Props and Aluminium Beams when they are turned 90 degrees.	501TB125	0.08	
Table Shifting Trolley The FFI Table Trolley is used for raising and lowering the tables and moving horizontally on the slab.	501TS130	142	

Erection Procedure

A. Adjust Jacks to the required height prior to assembly.

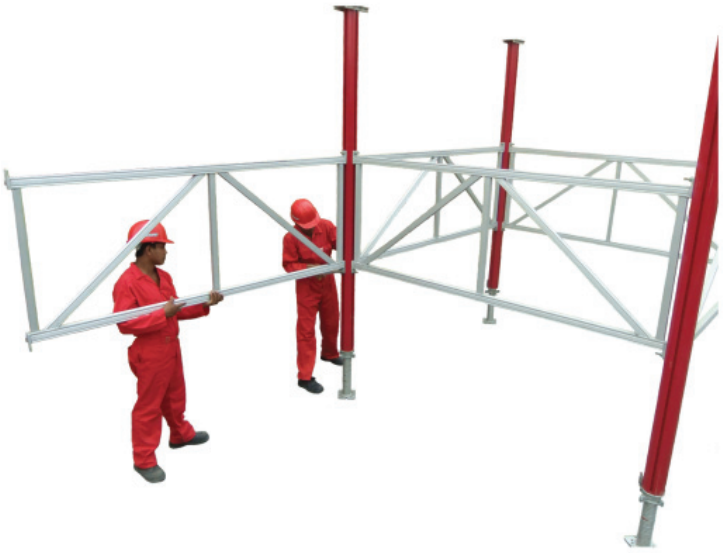
B. Fix bracing frame to the first prop at the correct height as per your design.

C. Fix the second prop in the same manner

D. Fix Two additional frames vertically at the same position.

E. Assemble the last side as per steps 2-3 and fix into place to form complete tower

F. Assemble additional bays in the same manner as required.



G. Bolt primary beams to head plate of props.

H. Fix secondary beams to primary using FFI C clamps to complete structure.

I. Fix plywood to the secondary beams to complete assembly

Shifting & Lifting Procedure

A. Strike the table from concrete surface, position the Table Shifting Trolleys to take the weight of the table. Release and unwind the locking nut to raise the jacks from the concrete slab and lock in the suspended position using the Quick release locking system.

B. The table can now be moved horizontally on the slab and moved into position to be lifted out by the crane.

Once in position the first two crane hooks are attached and the front Table is shifted outwards while suspended at one end by the crane.

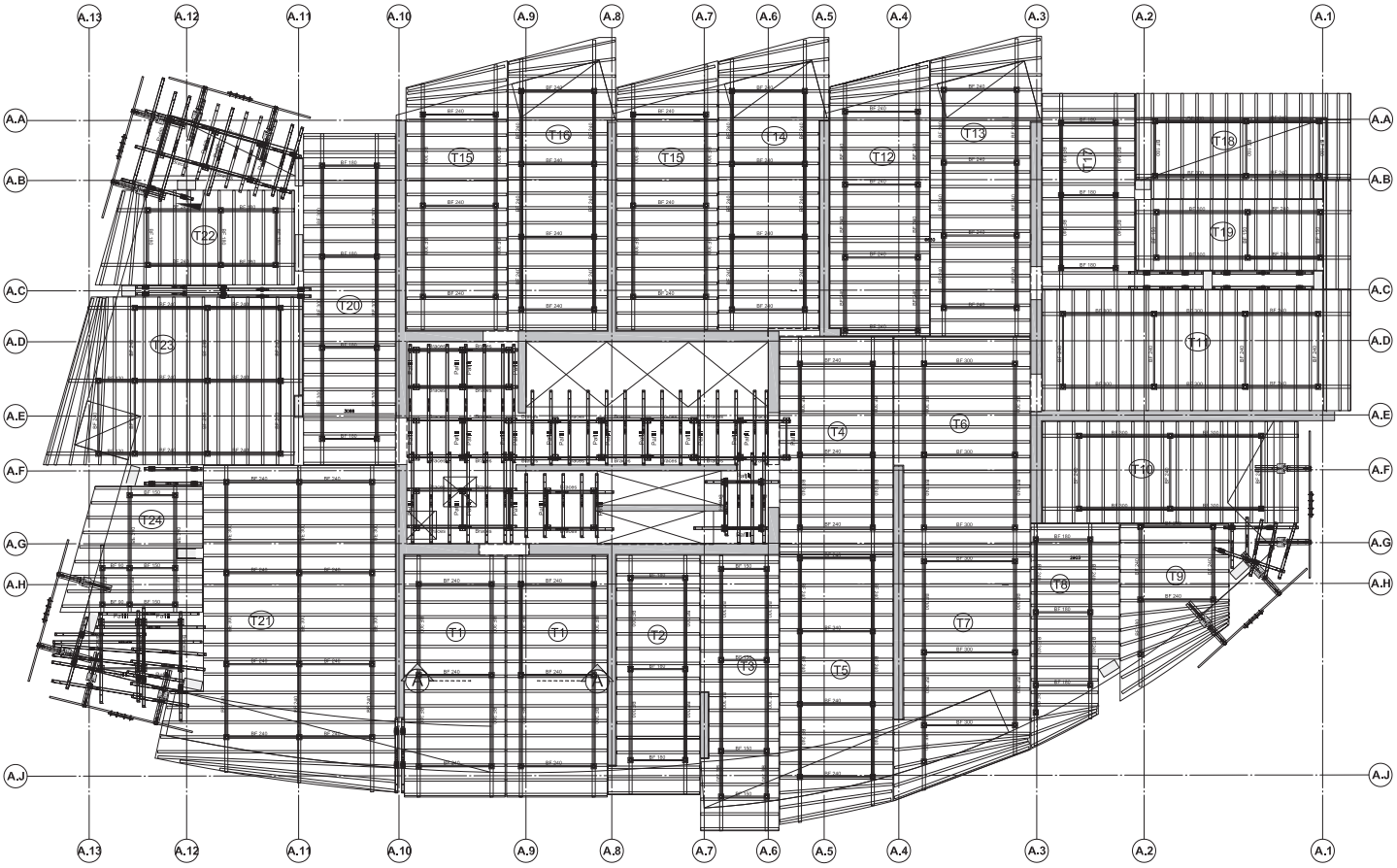
C. The other Trolleys are removed and crane hooks are fixed to the back side. The last Trolley is released and removed allowing the crane to take the weight of the table.

Shifting & Lifting Procedure

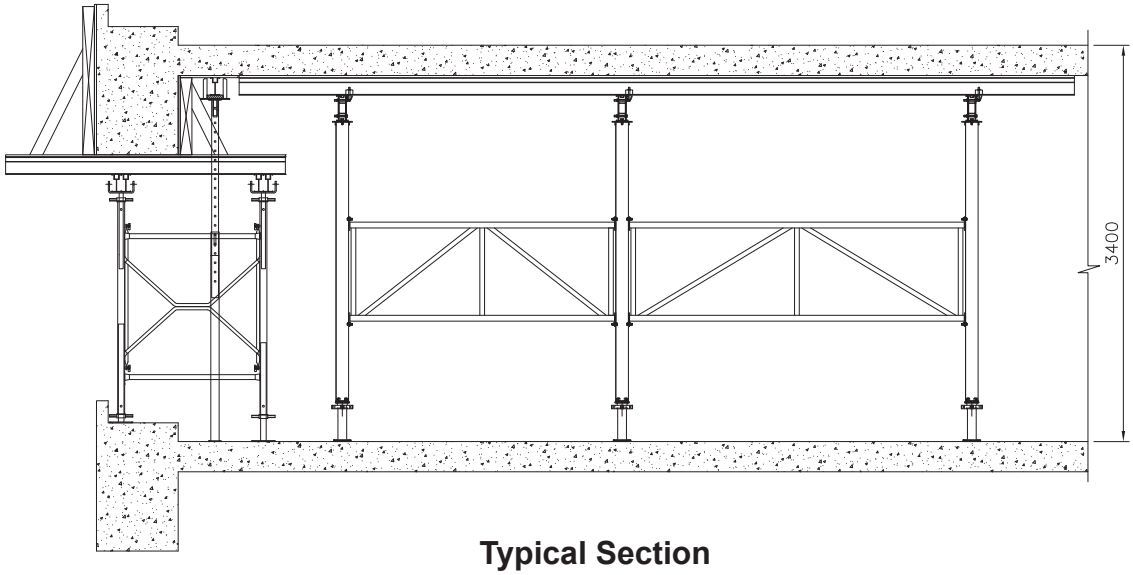
D. Strike the table from concrete surface, position the Table Shifting Trolleys to take the weight of the table. Release and unwind the locking nut to raise the jacks from the concrete slab and lock in the suspended position using the Quick release locking system.

E. Once in place, the jacks can be released and the nut tightened to make any fine adjustments.

A. All the Shop drawing, Technical data & the Statical calculation will be Submitted by FFi in accordance with the structural drawing project requirement
B. The site erection should be done as per FFI's shop drawing and shall be supervised and inspected by FFi's formwork specialist
C. The spacing and positioning of the Formwork material are arranged based on the statical requirements and as shown in the FFi's execution drawing & Calculation



Formwork layout of typical floor using Aluminium Table Form



Typical Section

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