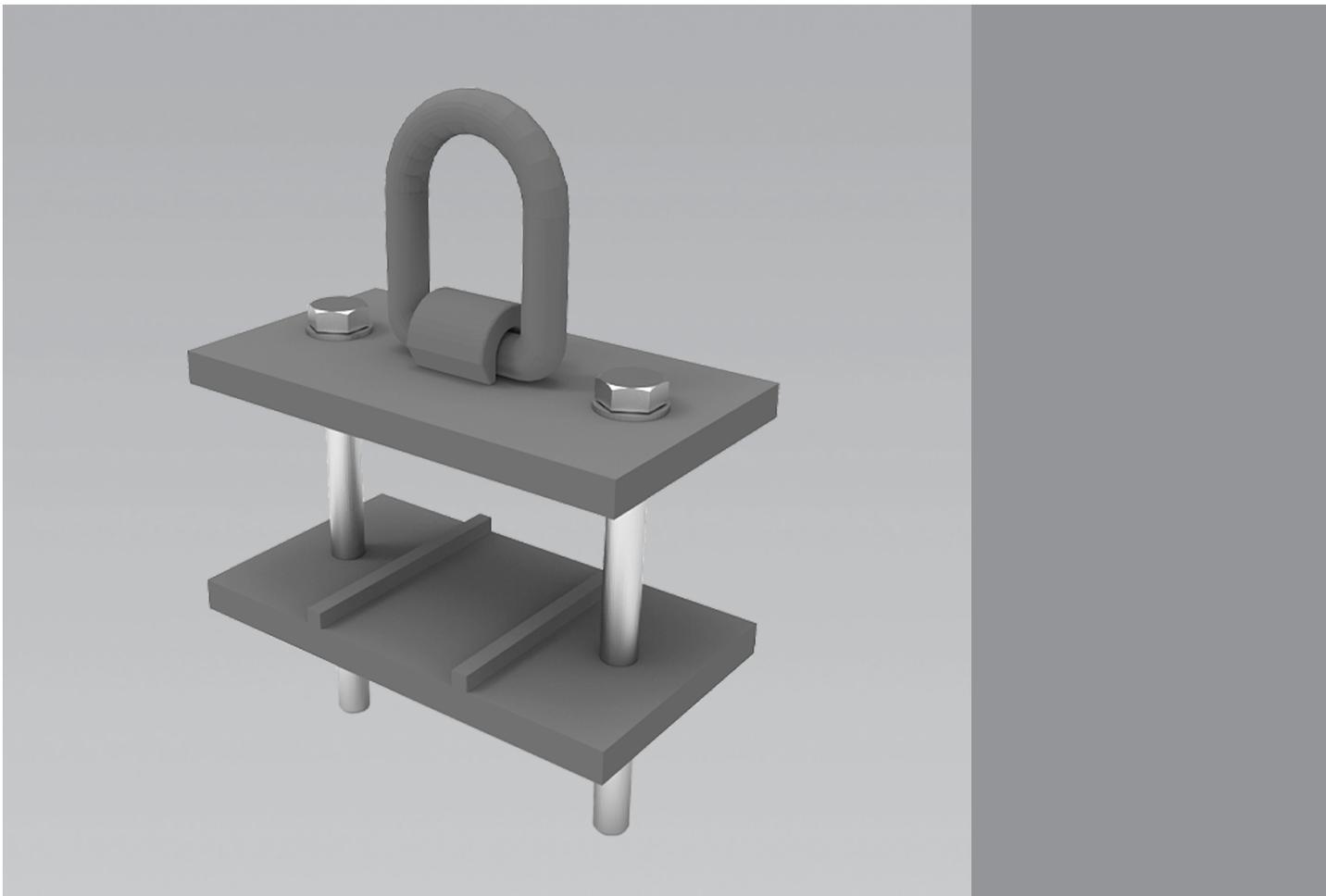


SKYTABLE Lifting Clamp

Item no. 204606

Instructions for Use – Issue 04/2024



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A1 SKYTABLE Lifting Clamp Assembly

Attaching SKYTABLE Lifting Clamp (SLC)



Follow Instructions for Use!
Ensure that hex nuts are tight
before each lift!

1. Remove SLC 19mm Bolt, SLC 19mm Washers, & SLC 19mm Hex Nuts from one side of Lifting Clamp. (Fig. A1.01)
2. Loosen nuts on remaining bolt and slide Lifting Clamp onto SKYTABLE truss chord. (Fig. A1.02)
3. Re-insert bolt, washers & nuts that were removed. (Fig. A1.03)
4. For both bolts, tighten top nut. While holding it with a wrench, tighten second nut against it. (Fig. A1.04)

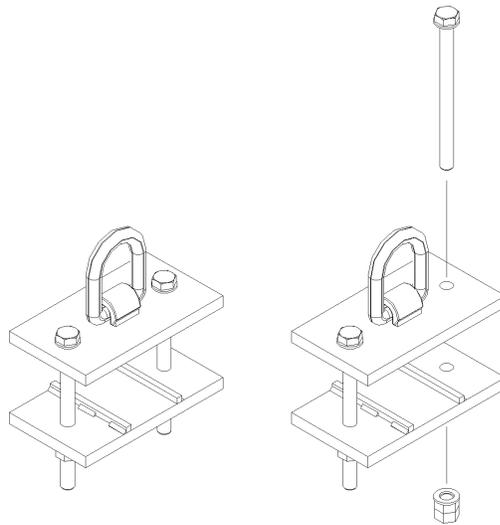


Fig. A1.01

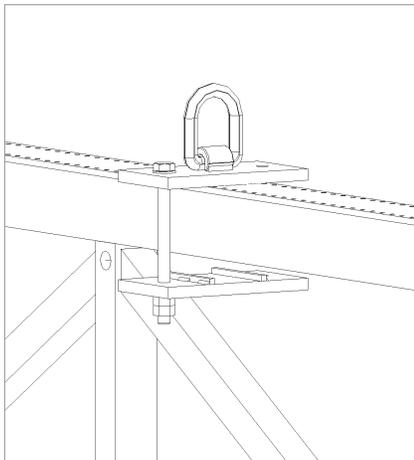


Fig. A1.02

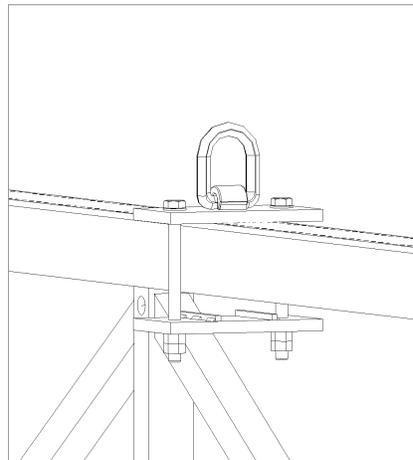


Fig. A1.03

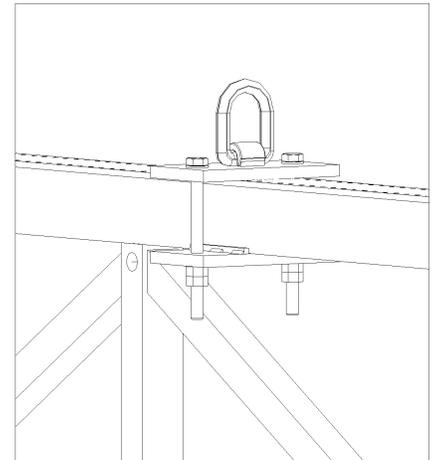


Fig. A1.04

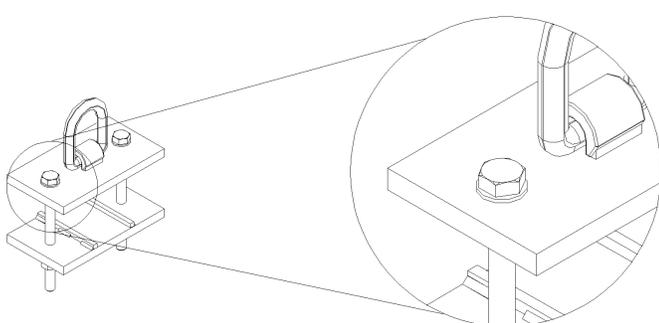


Fig. A1.05: Use 1 SLC 19mm Washer under each bolt head.

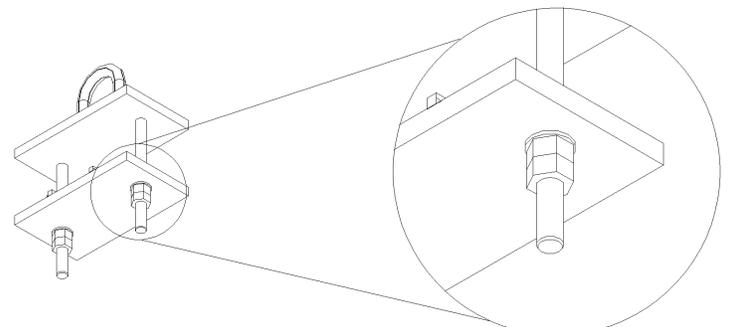


Fig. A1.06: Use 1 SLC 19mm Washer above the 2 SLC 19mm Hex Nuts.

A2 SKYTABLE Lifting Clamp Locations

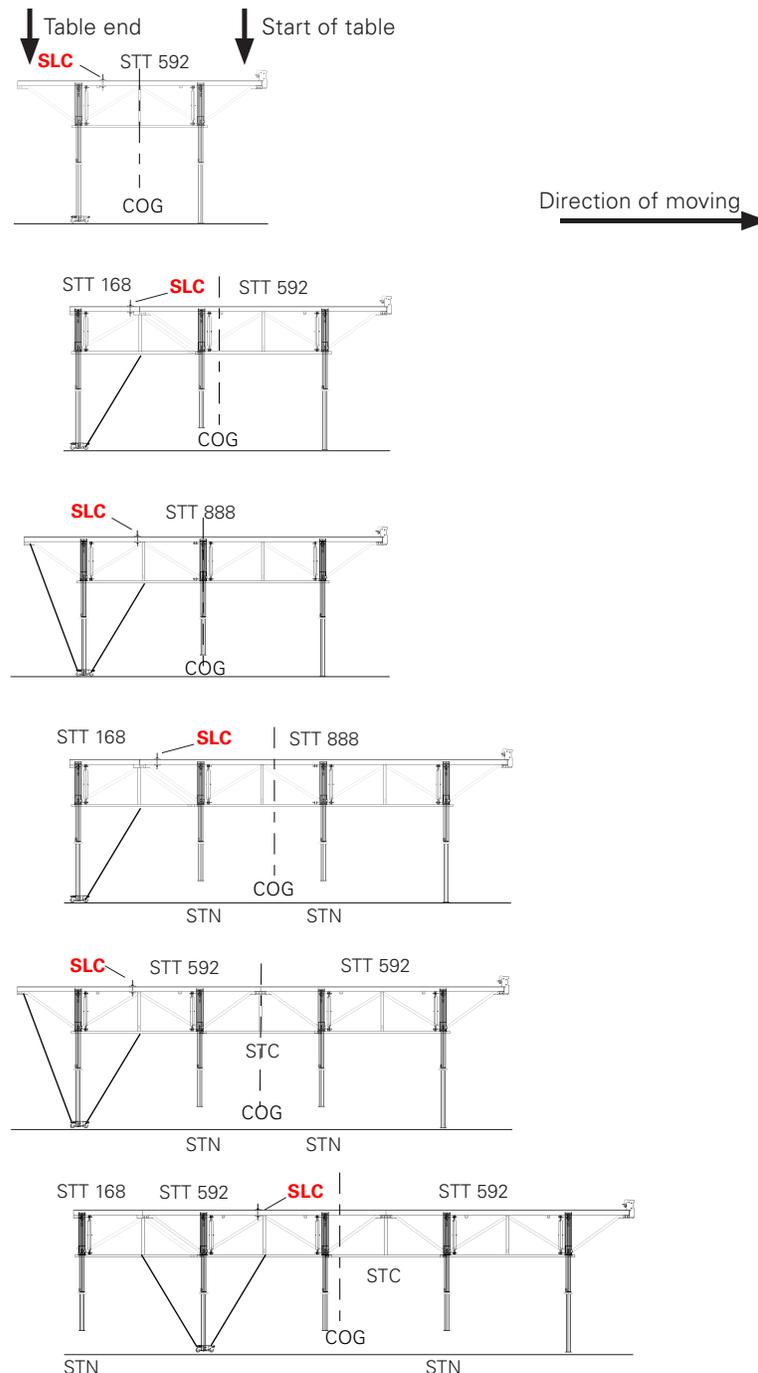
SKYTABLE Lifting Clamp Location

Table combinations with 2 truss sections

Table length [m]	Truss Girder STT 168*	Truss Girder STT 592	Truss Girder STT 888	Truss Connector STC
6,00		2		
7,60	2	2		
9,00			2	
10,60	2		2	
12,00		4		2
13,50	2	4		2

Required components, showing locations of SKYTABLE Lifting Clamp (SLC), Lowering Device (STN), Swivel Castors, and Center of Gravity (COG). This applies to both trusses.

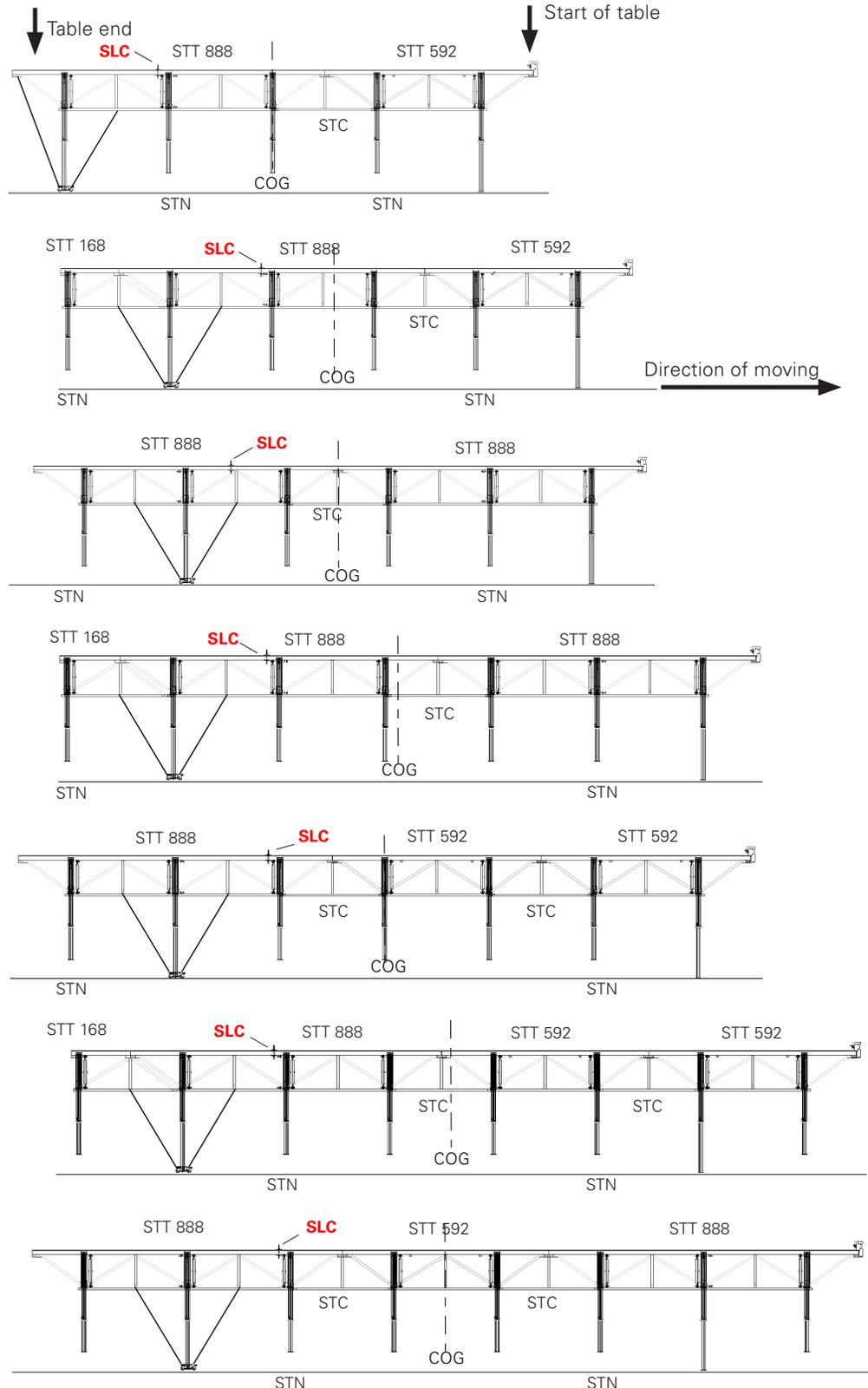
Permissible table width 6.00 m
Permissible weight 6.0 t



* always at the table end

A2 SKYTABLE Lifting Clamp Locations

Table length [m]	Truss Girder STT 168*	Truss Girder STT 592	Truss Girder STT 888	Truss Connector STC
15,00		2	2	2
16,50	2	2	2	2
18,00			4	2
19,50	2		4	2
21,00		4	2	4
22,50	2	4	2	4
24,00		2	4	4



* always at the table end

A2 SKYTABLE LIFTING CLAMP Locations

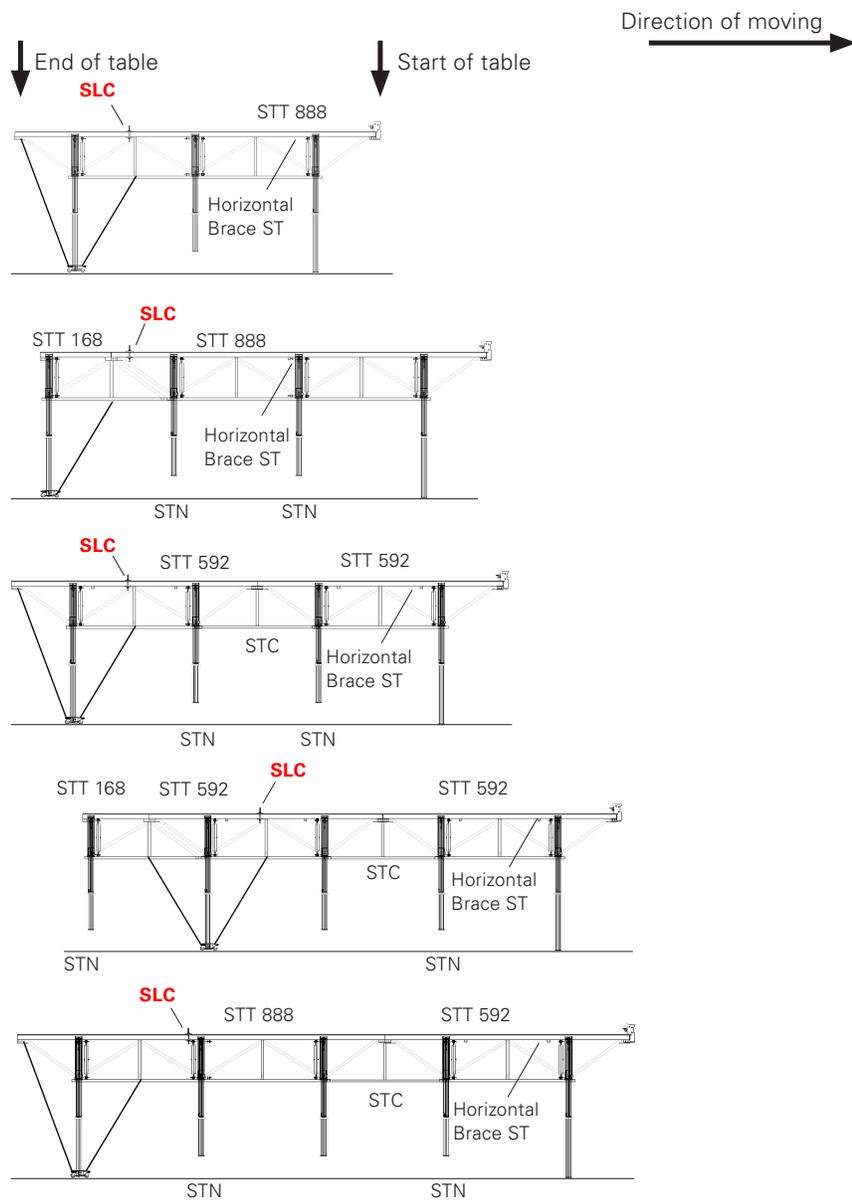
Table combinations with 3 truss girder sections

Required components, showing locations of SKYTABLE Lifting Clamp (SLC), Lowering Device (STN) and Swivel Castors. This applies to both outside trusses.

Maximum table width 9.00 m
Maximum table weight 6.0 t

Table length [m]	Truss Girder STT 168*	Truss Girder STT 592	Truss Girder STT 888	Truss Connector STC	Beam Truss ST*
9,00			3		
10,60	3		3		
12,00		6		3	
13,50	3	6		3	
15,00		3	3	3	

* always at the end of the table



A3 Moving Procedure

Moving procedure



Follow Instructions for Use!

Ensure that the chain is neither twisted nor knotted!

During the entire moving procedure, the main crane cable must be in a vertical position!

Remove obstacles from the exit path.

Compensator required for moving procedure!

Compensator must be over center of gravity of table when crane is taking the full load of the table!

Chain angle (between table and chain) must be at least 45°!

1. Strike the table using the Quick Lowering Device. (Fig. A3.01)
2. Spindle the second prop from the front and the additional 'STN' props (refer to 'Lifting Clamp Locations' for STN location) approx. 50 cm. Move four Lowering Devices STN under the spindled props.(Fig. A3.02)
3. The first props are spindled by approx. 40 cm, the 'swivel castor' props are spindled by approx. 45 cm, and the remaining props by approx. 50 cm. Move swivel castors under the 'swivel castor' props (refer to 'Lifting Clamp Locations' for castor locations). (Fig. A3.03)
4. Lower the SKYTABLE evenly by lowering the hydraulic lowering devices simultaneously onto the swivel castors and the front props. (Fig. A3.04)
5. Remove lowering devices. Brace the props with the swivel castors by means of tension straps. (Fig. A3.05)
6. Attach crane hooks to Crane Eye Adaptors (Fig. A3.06) and to SKYTABLE Lifting Clamps (access by trap doors). (Fig. A3.06a)

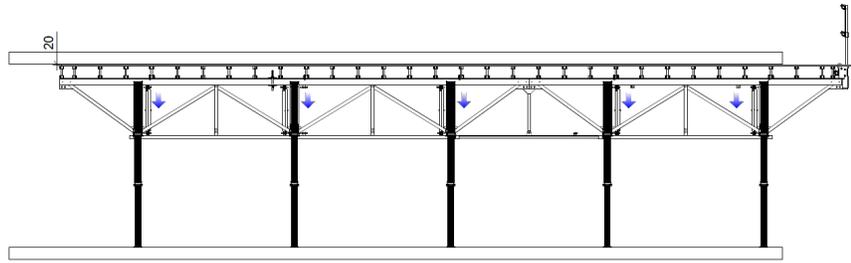


Fig. A3.01

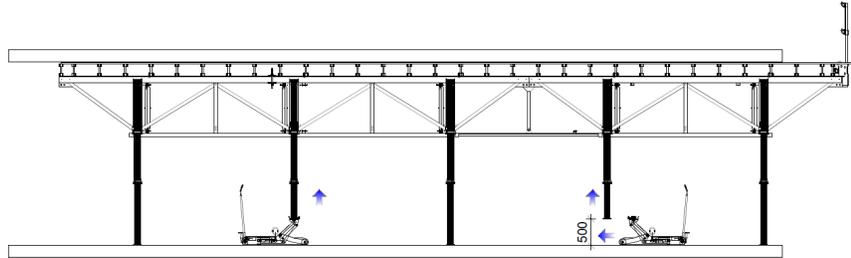


Fig. A3.02

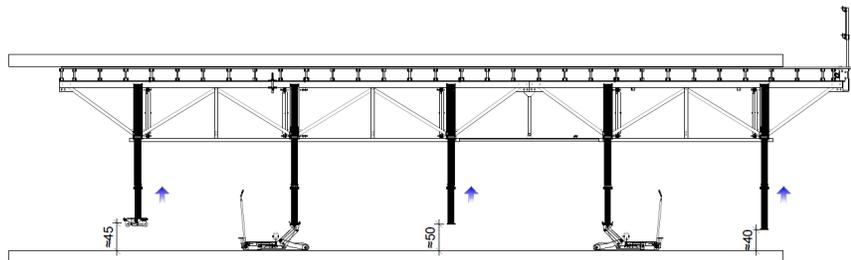


Fig. A3.03

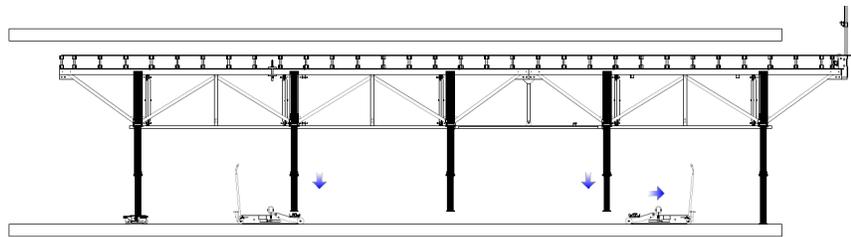


Fig. A3.04

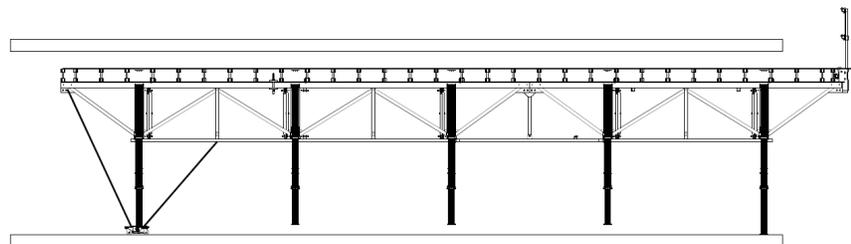


Fig. A3.05

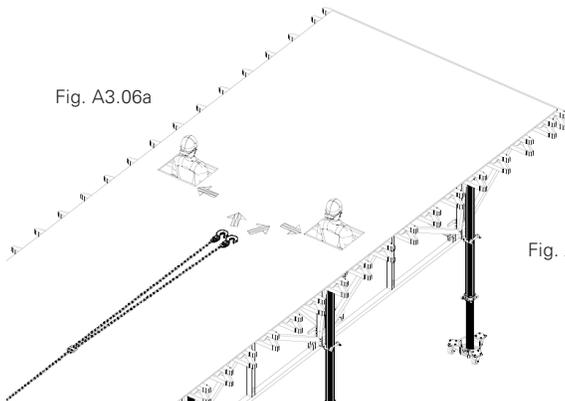


Fig. A3.06a

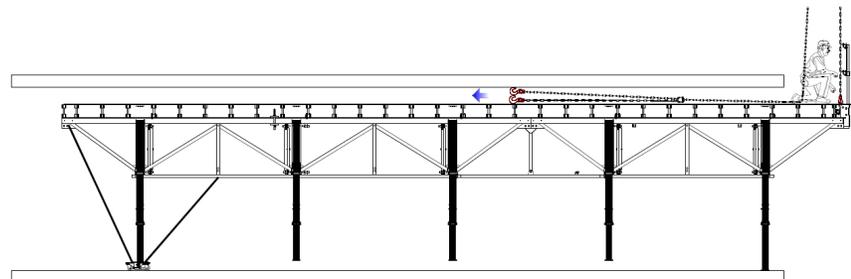


Fig. A3.06

A3 Moving Procedure

7. Restrain table to control its outward movement, and begin to push SKYTABLE table out of the building.(Fig. A3.07 & A3.08)



Compensator / electric chain hoist to be supplied by the contractor.

PERI Lifting Mechanism STM cannot be used for 4 pick point lifting procedure!

The contractor is responsible for restraining the table to ensure that the table is pushed out horizontally and safely!

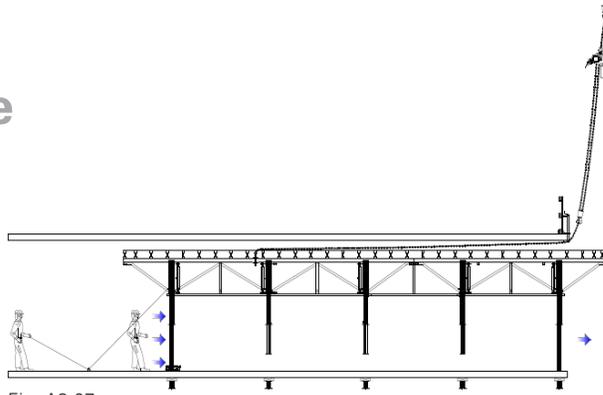


Fig. A3.07

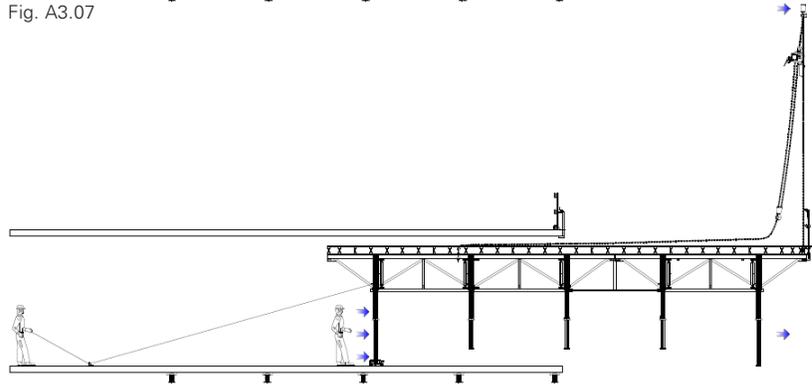


Fig. A3.08

8. Once SKYTABLE Lifting Clamp clears the edge of the slab, fully tension the lifting chains with the compensator and position the crane hook over the center of gravity of the table. (Fig. A3.09, A3.10)



Keep table horizontal while tensioning chains and moving compensator!

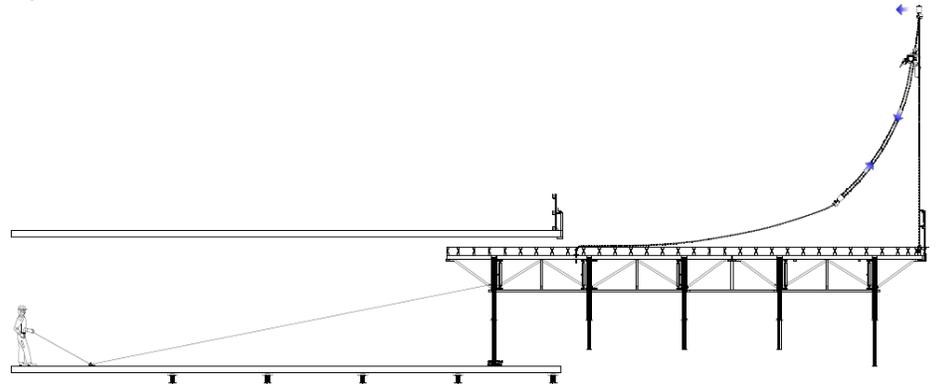


Fig. A3.09

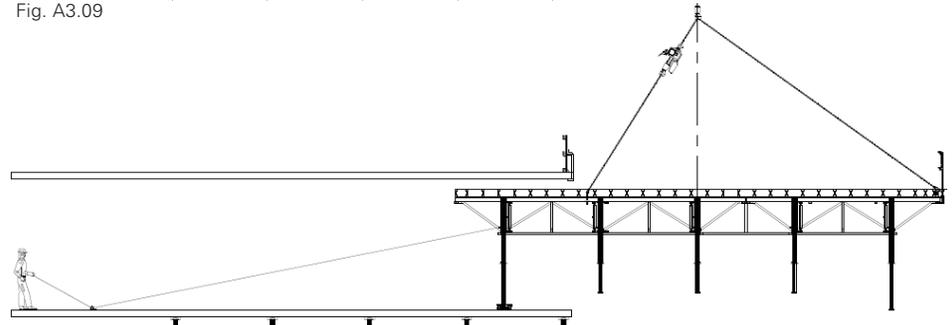


Fig. A3.10



All 4 crane chains to be fully tensioned before back props clear the slab!



Do not remove restraint until all 4 crane chains are fully tensioned!

9. Remove table restraint to freely fly table to next level. (Fig. A3.11)

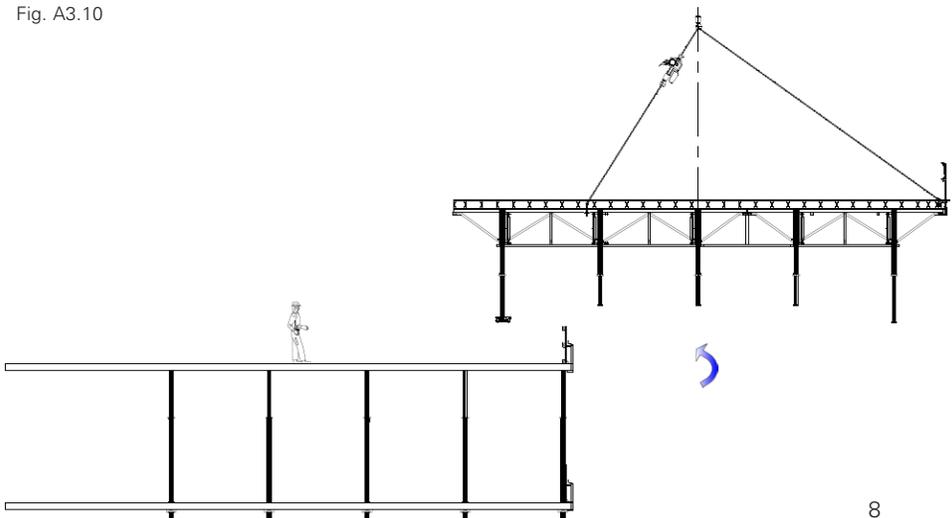


Fig. A3.11