

An aerial photograph of a city skyline, featuring numerous skyscrapers and a prominent bridge. The image is partially covered by a large, semi-transparent yellow triangle that points towards the bottom right corner. The text 'GREEN FORMWORK' is overlaid on the white background to the right of the image.

GREEN FORMWORK

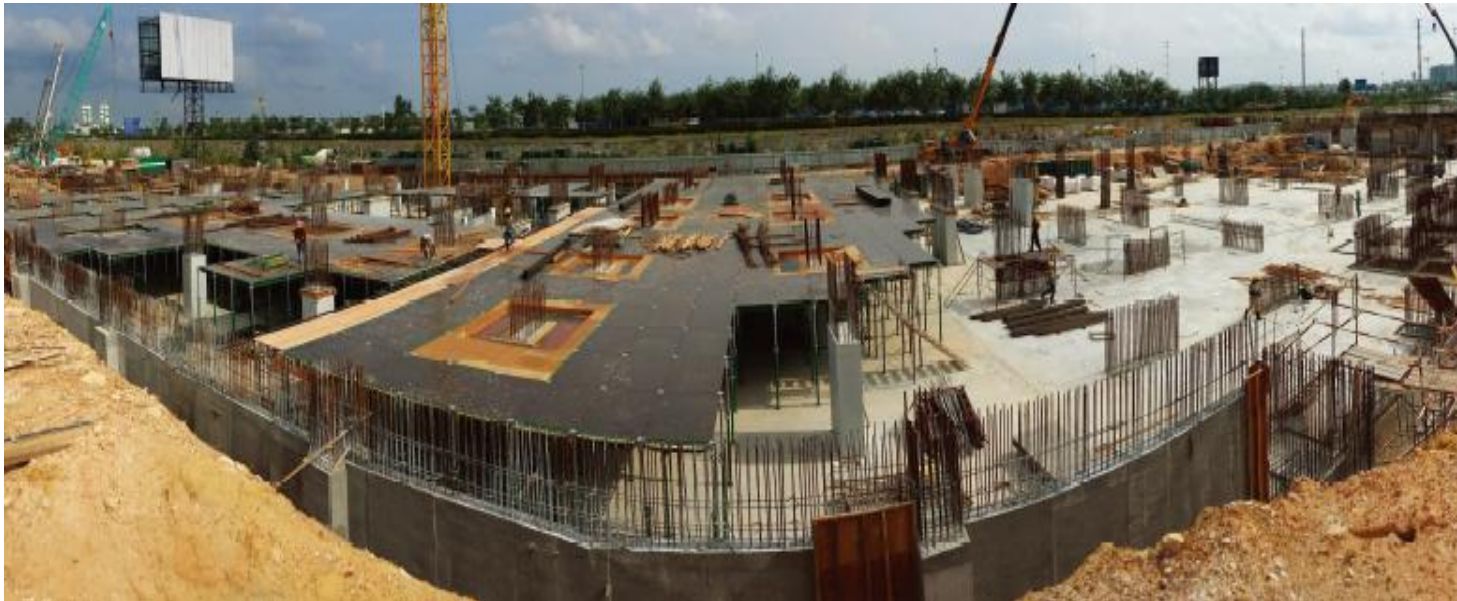
Early stripping panel-prop system

Presentation

Qingdao scaffolding co.,Ltd.



The Green Formwork Modular Shoring System is an advanced steel panel-prop formwork system which allows early stripping process. It provides a suitable formwork solution to most concrete structure and component and meets the general requirements of different construction methods and conditions. The system adopts the structural mechanism of a 4-leg table using puzzle-style & systematic installation approach. Both panels & props are made from Grade Q345 steel components in CKD forms & assembled with bolts& nuts.



CHARACTERISTICS:

SIMPLE & INNOVATIVE

- Only few components: Panel, Prop & Aux Beam / Panel
- Do not require cross / lateral braces & tripods
- Easy to transfer both horizontally and vertically



FAST & EFFICIENT

- 4- worker team for erection, stripping & removal
- Can achieve 60m² work done per man-day

SAFE & RELIABLE

- Stable system with 6-direction locking restriction
- No human lifting above shoulder required

ADVANTAGES:

**LESS LABOUR
&
MACHINERY
COSTS**

**FAST
TRACK**

**REDUCE WASTE
& DUMPING
COSTS**

**BETTER
CONTROL
& QUALITY**

To assemble and erect the Green Formwork Modular Shoring System, only 3 basic components are required:

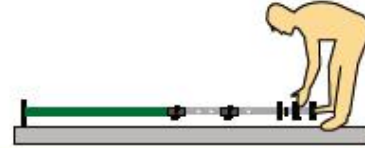
- 1 the Green Formwork Prop**
- 2 the Green Formwork Panel**
- 3 the Green Formwork ADT (Assembly/Disassembly Tool)**



Erect the Green Formwork

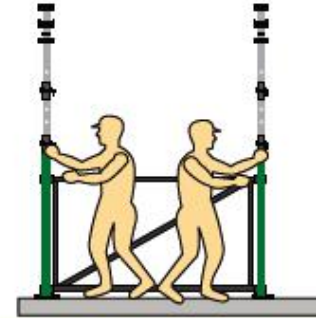
Below are the three simple steps to erecting the Green Formwork Modular Shoring System from the safety of the working floor.

1



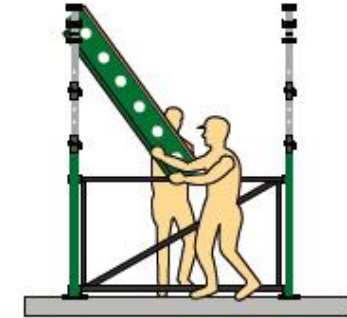
Adjust the steel props to the required length

2



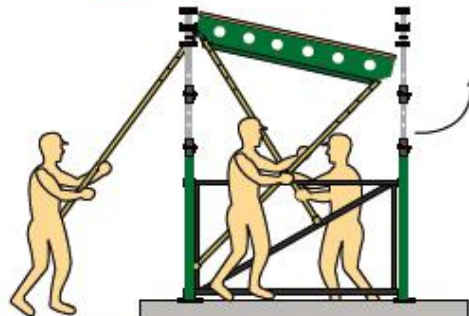
Erect the steel props using gate brace

3



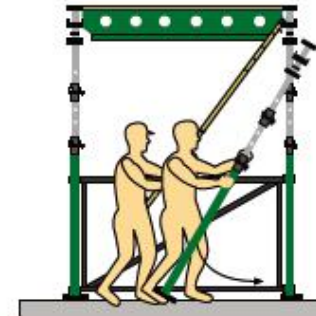
Hang the Panel to the Prop Head

4



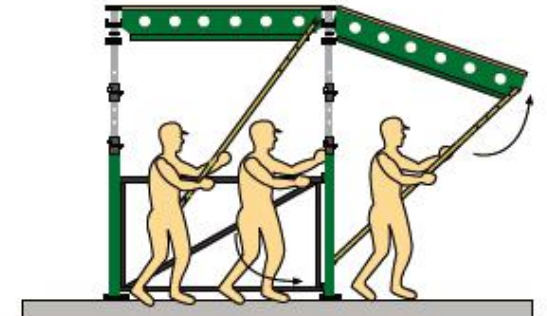
Swing the lower end of the Panel to position using ADT

5



Insert, push, straighten and lock in the fourth Props

6



Repeat steps 3, 4 & 5



Stripping

Panel stripping

Once the pour has set, the panels can be removed for reuse without disturbing the shoring props.

Step 1

Pouring Position.

Step 2

Moving into position with ADT to unlock Panel support assembly.

Step 3

Engage the ADT

Step 4

Panel support assembly is unlocked and has dropped away from Panel.

Step 5

Pull Panel down using ADT (both ends). Use notch and Stripping Bar if necessary to break bond.

Step 6

Panel stripped, level and engaged in all 4 cups.

Step 7

Push tail of panel up. Slide panel forward in cups clearing back cups.

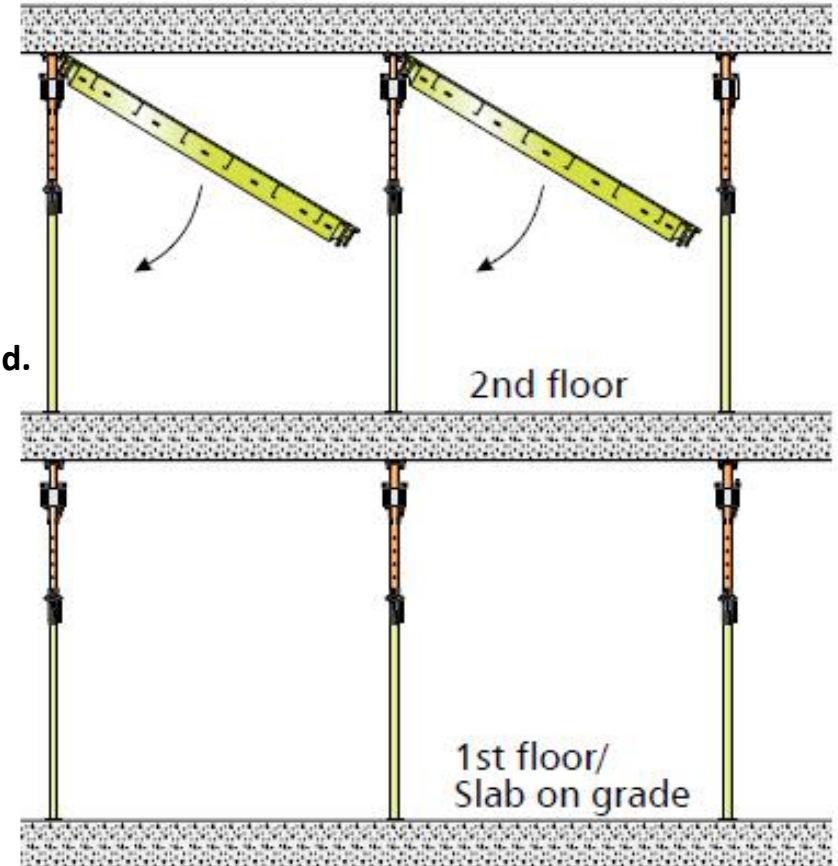
Step 8

Feet remain in engaged cups. Lower (hinge) panel down.

Step 9

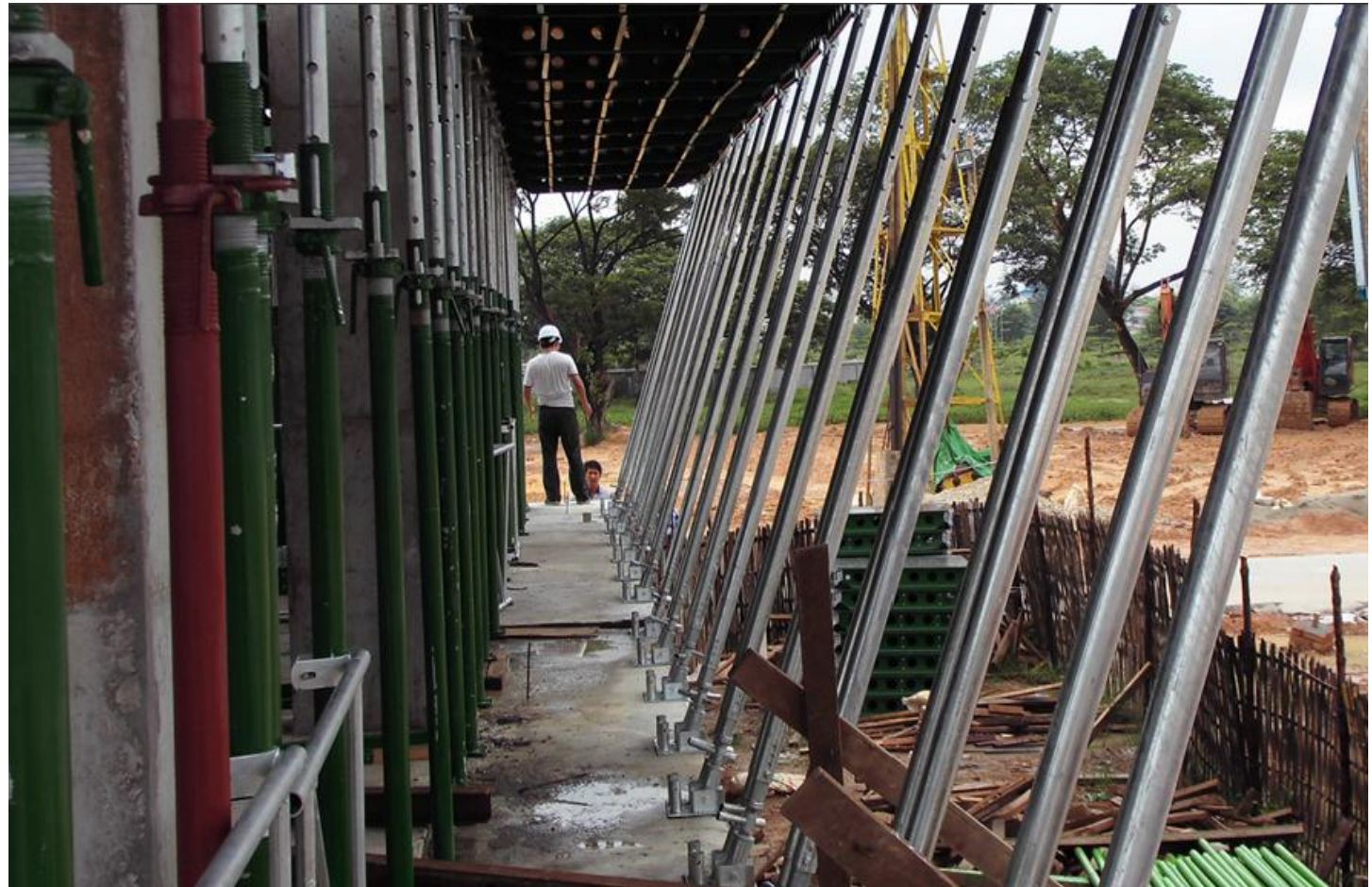
In position to remove Panel

Green Formwork Panels can nearly always be stripped out when concrete reaches 2000 psi.



Cantilever

Cantilever technology maximizes efficiency and provides excellent safety on slab edges. Edge Cantilever construction is a potentially dangerous place to erect and work. Cantilevered Panels can create a great wind sail and it is estimated that uplift wind on tall buildings can be as high as 195 kg. per square meter or can create a force greater than 190k/hr wind. Properly installed, the Green Formwork Cantilever System is designed to overcome these forces and when used correctly provides a safe working environment along with its unique fast and efficient erection.

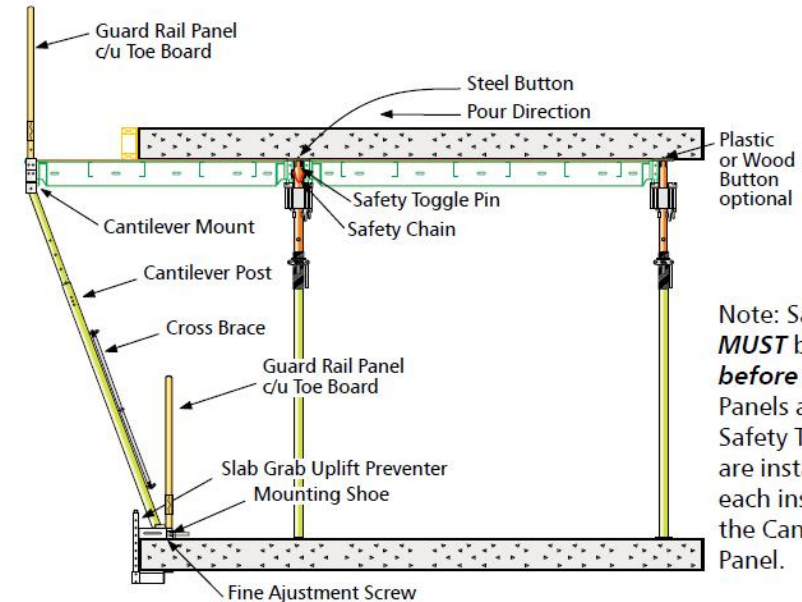
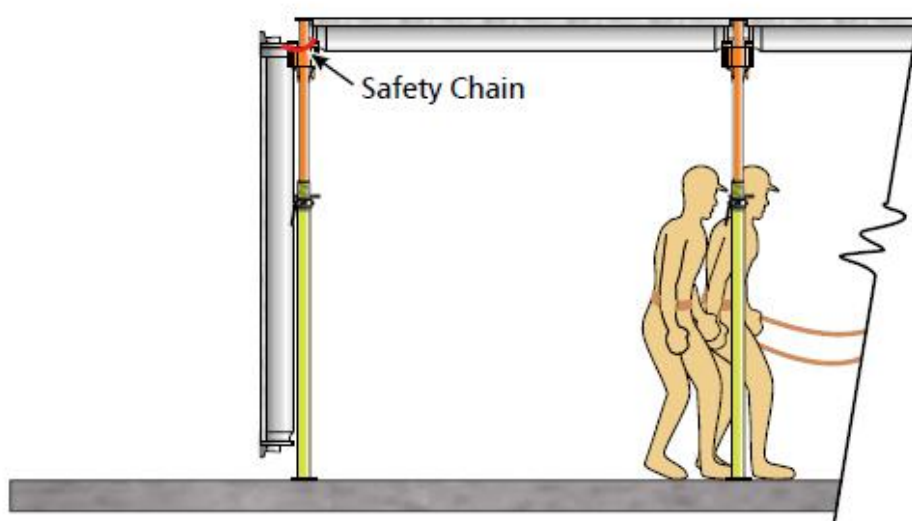




Cantilever Erection

Step 1 Obtain the method statement for work and comply accordingly.

Step 2 Hang panel in vertical position and install safety chain (2 per panel) through accessory holes between vertical panel and horizontal panel.

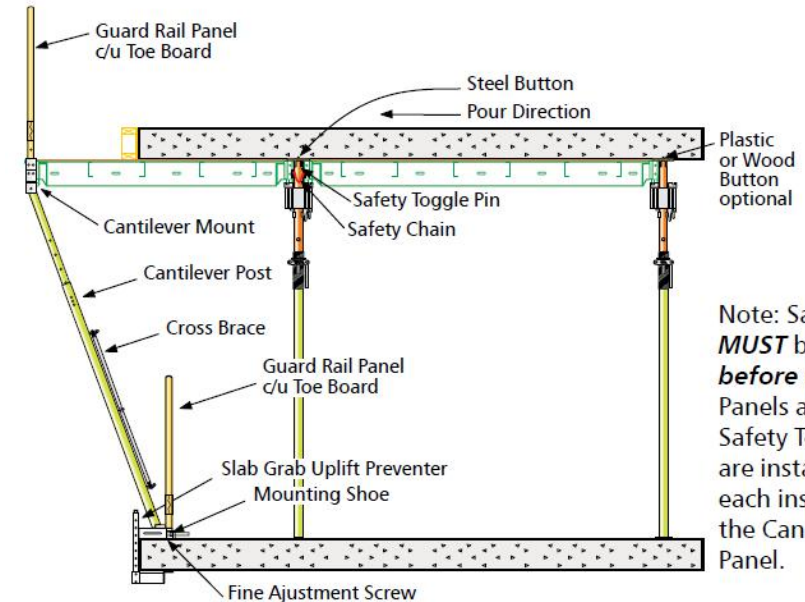
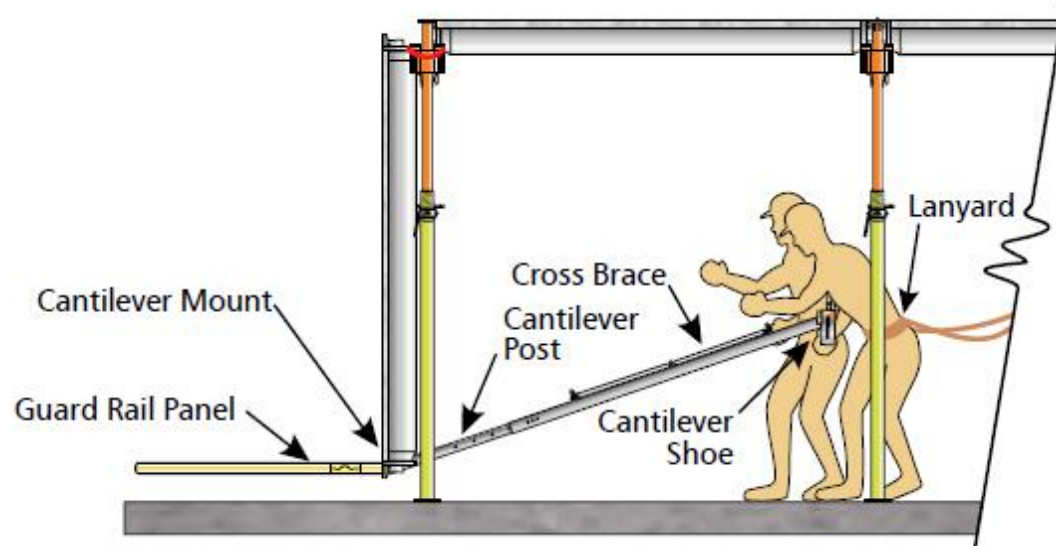


Note: Safety chains **MUST** be installed **before** out-board Panels are raised. Safety Toggle Pins are installed with each installation of the Cantilever Post to Panel.



Cantilever Erection

Step 3 Install Cantilever Mounts, Cantilever Posts, Cantilever Shoes, Cross Brace, and upper Guard Rail Panel.

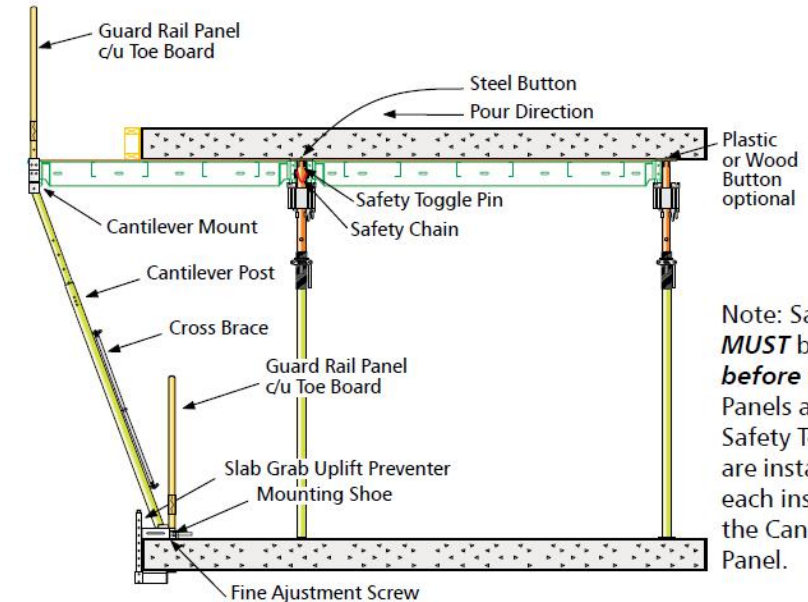
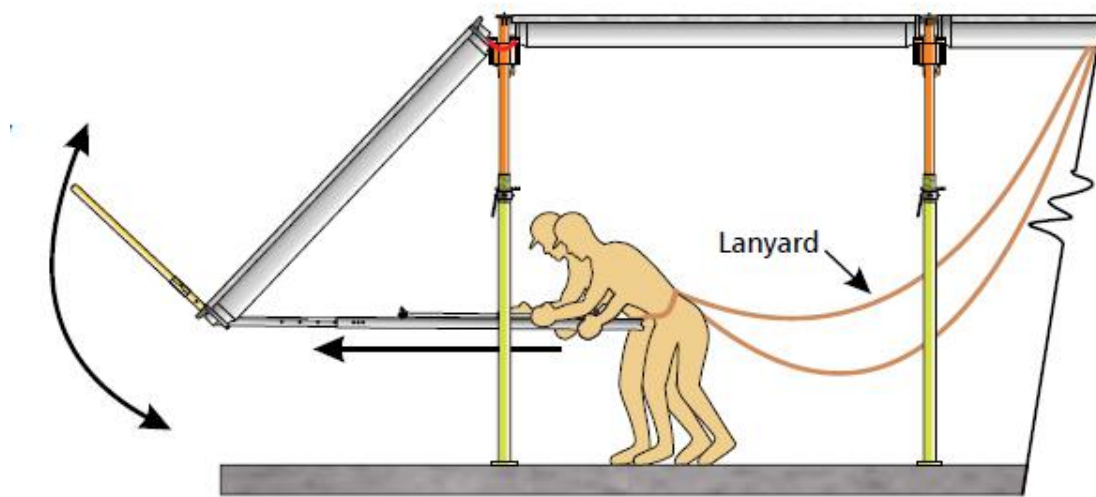


Note: Safety chains **MUST** be installed **before** out-board Panels are raised. Safety Toggle Pins are installed with each installation of the Cantilever Post to Panel.



Cantilever Erection

Step 4 After tying off for personal protection, rotate panel into horizontal position using Cantilever Posts.

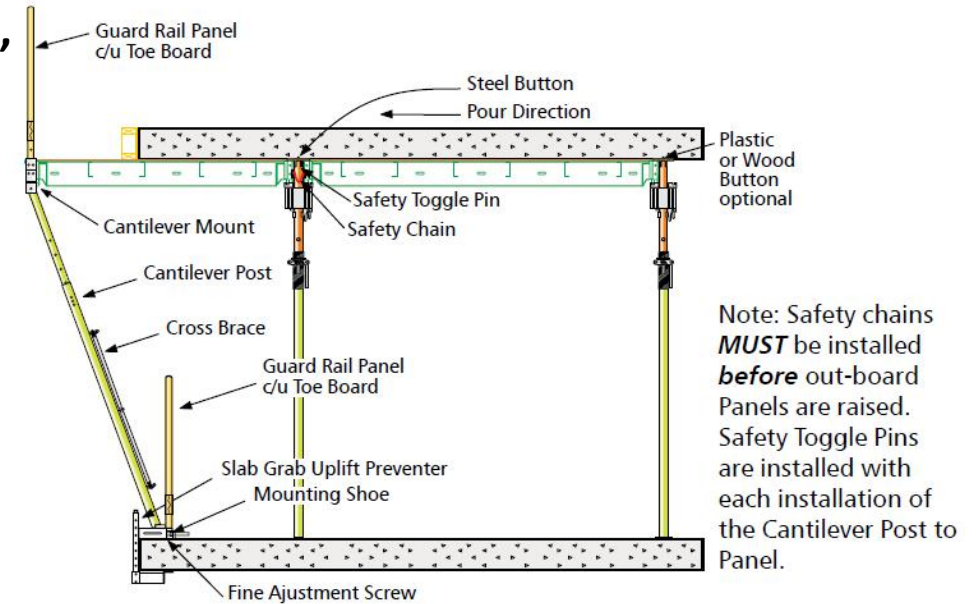
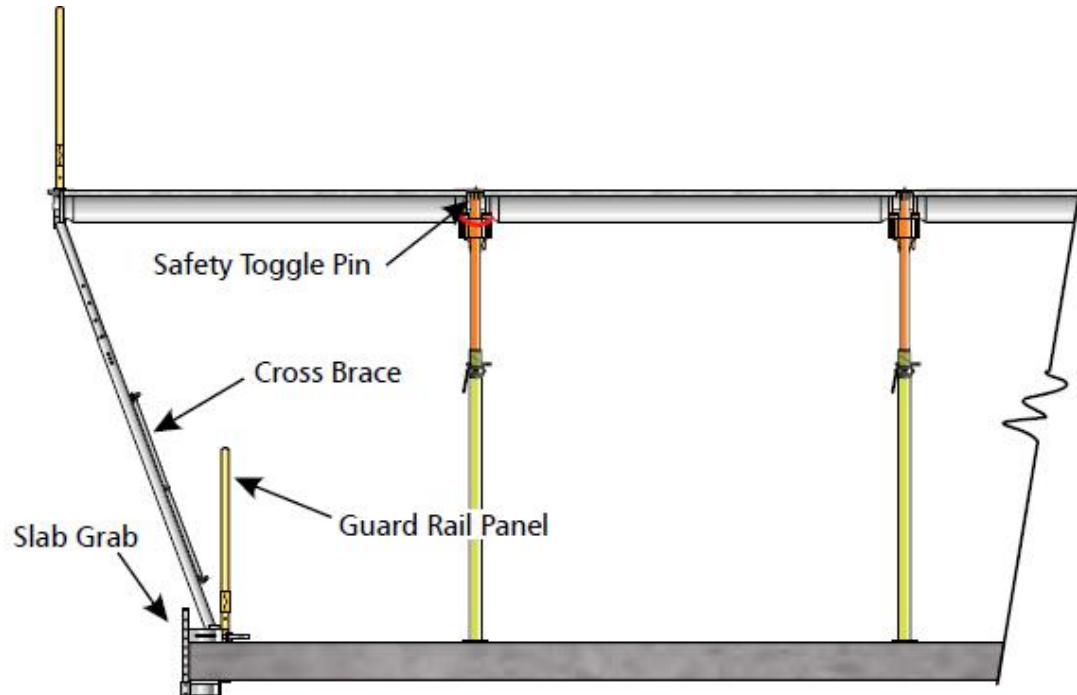


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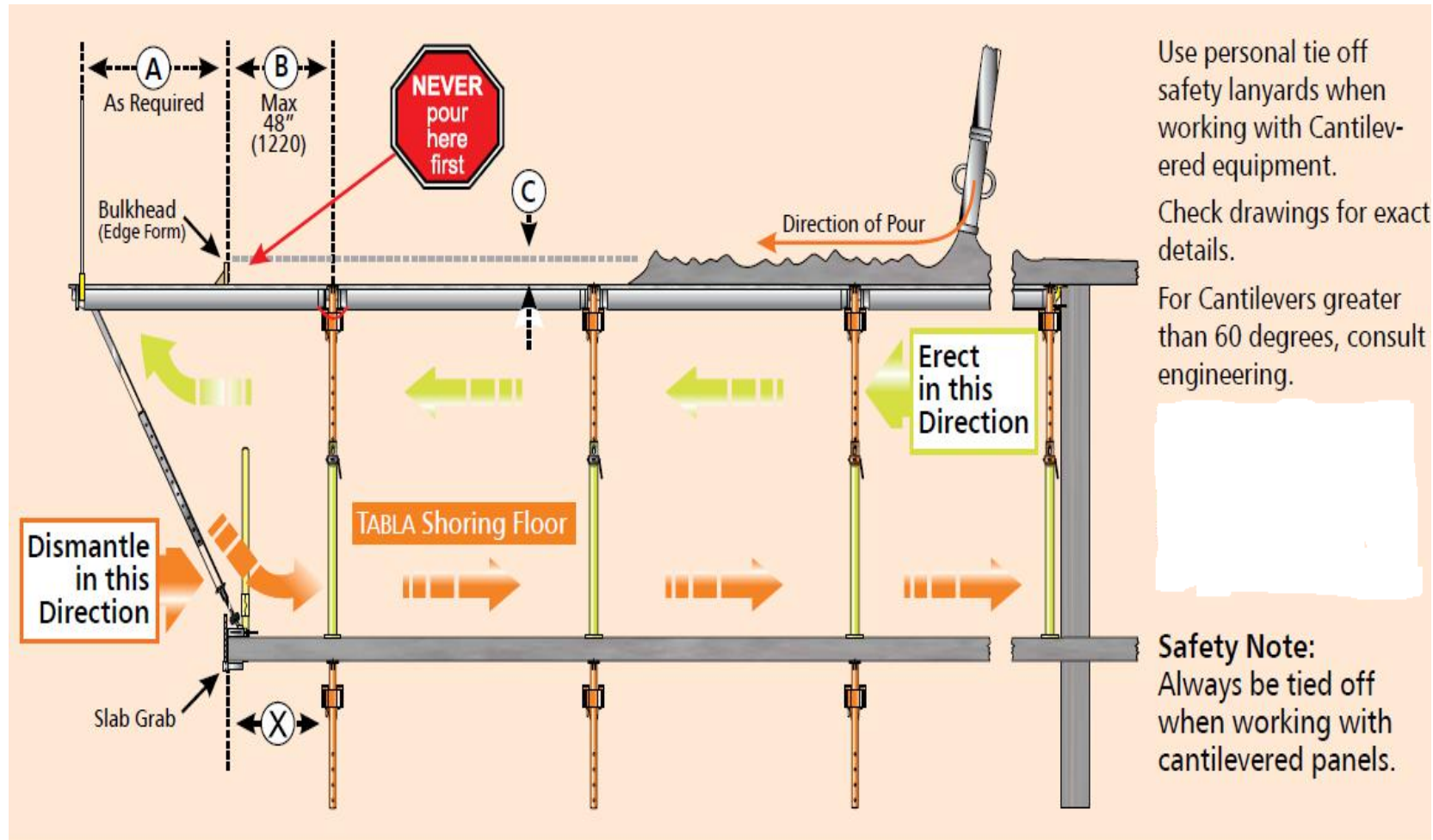


Cantilever Erection

Step 5 Install Cantilever Shoe, securing it with a Slab Grab, then install the Cross Brace and Guard Rail.



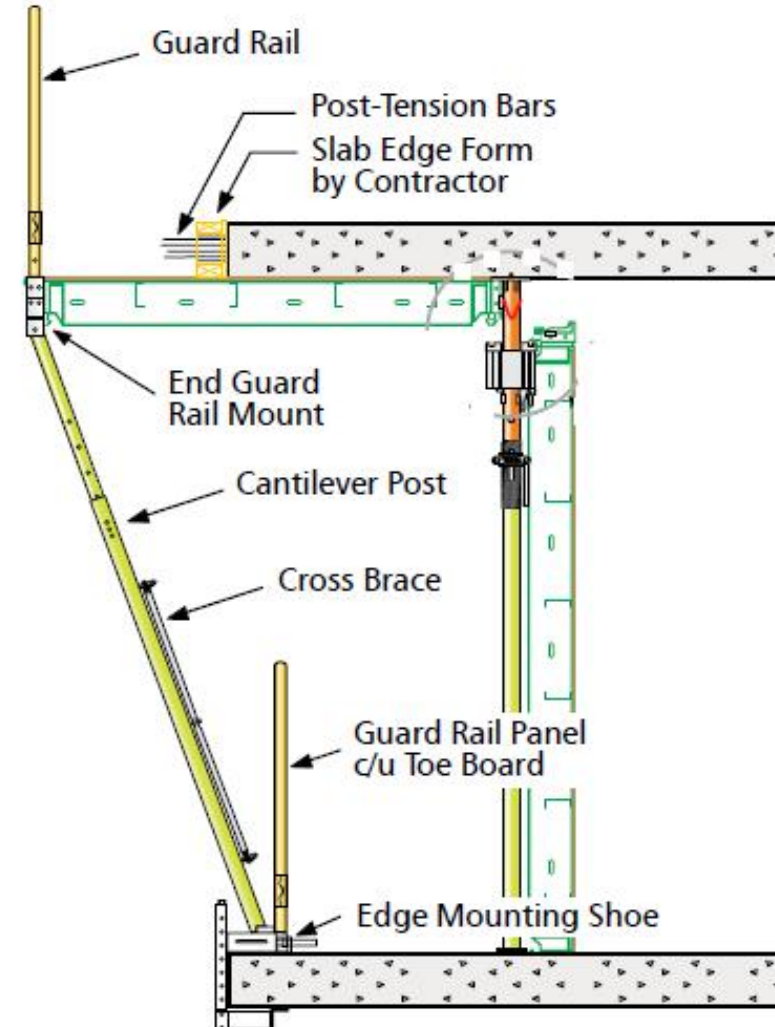
Cantilever Erection



Cantilever Stripping

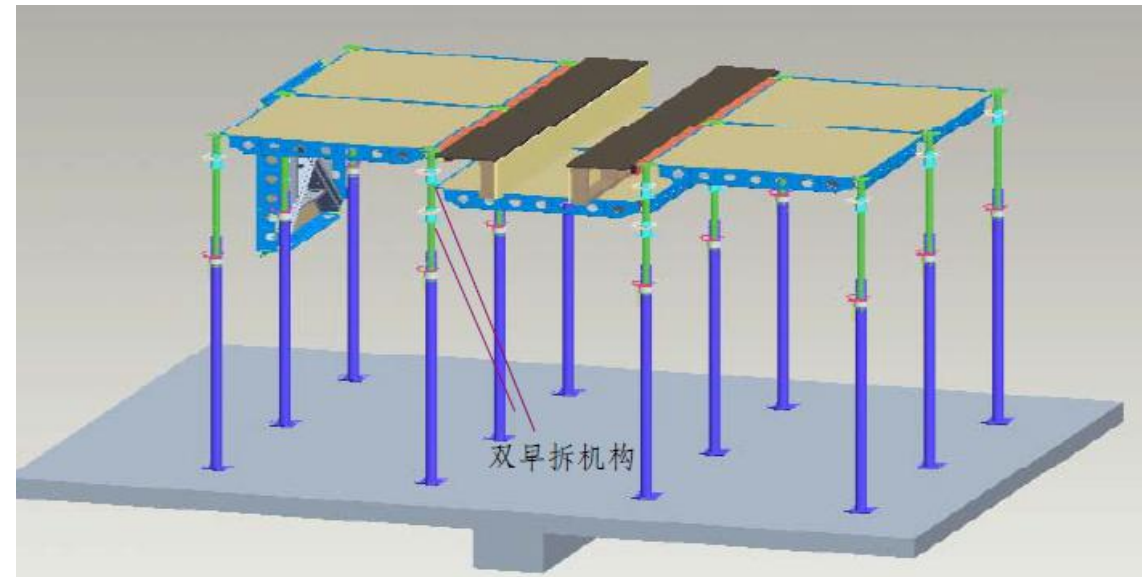
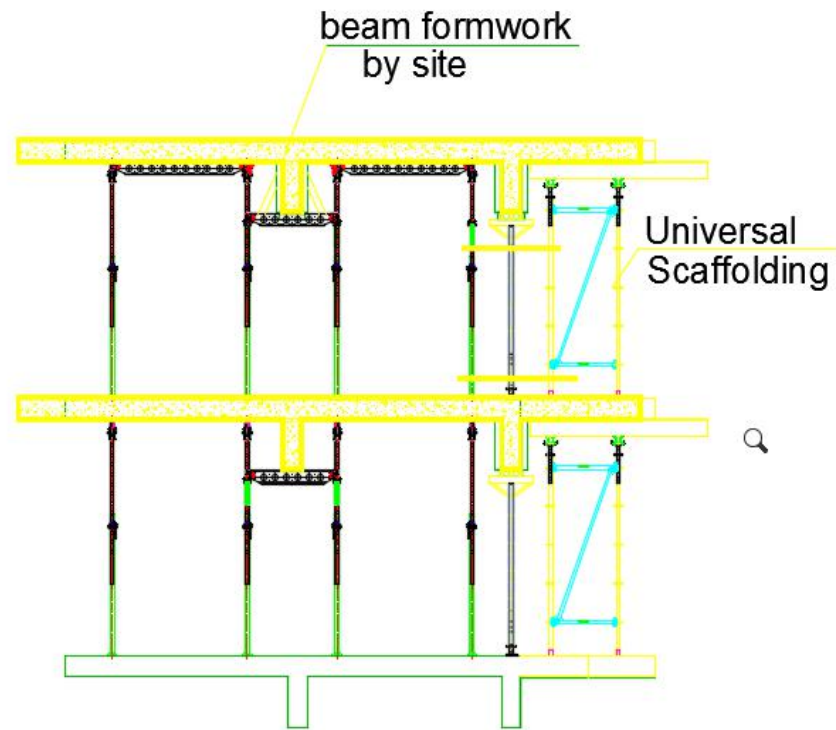
Stripping procedure for reinforced concrete Cantilevered Panel

- 1 Leave safety chains in place and remove Safety Toggle Pin. Release the Load Support Key using the ADT Tool and drop the Panel.
- 2 While tied off with your Safety Lan-yard, remove the lower Guard Rail.
- 3 Free The Mounting Shoe from the slab.
- 4 Using the Cantilever Post, rotate the Panel downward into the vertical position.
- 5 Remove the remaining Cantilever components and recycle them to the next floor.

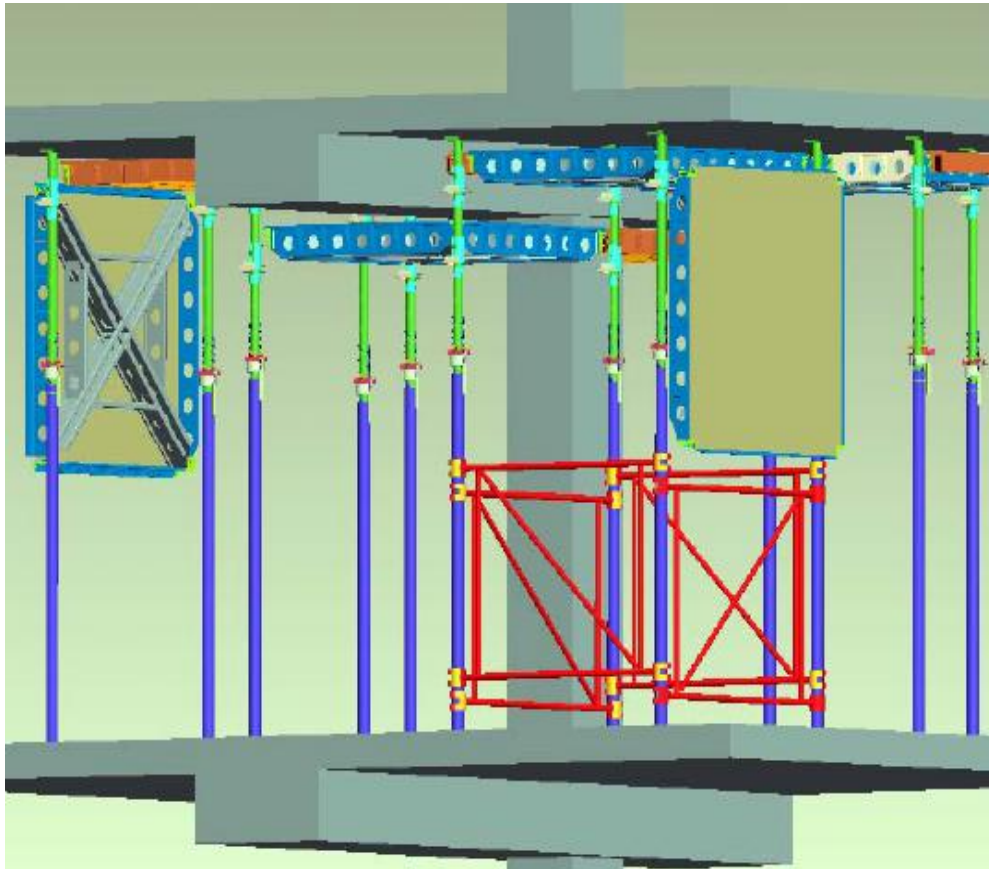


SYSTEM COMPONENT		PRODUCT MODEL	
		Dimensions	Code
Panel		1800 x 1200 mm	MB1812
		1800 x 900 mm	MB189
Steel Prop & Head		1800 x 600 mm	MB186
		1200 x 1200 mm	MB1212
		1200 x 900 mm	MB129
		1200 x 600 mm	MB126
		900 x 900 mm	MB99
		900 x 600 mm	MB96
		600 x 600 mm	MB66
		Prop EN 1065 - B35 / 2.4m (with Stripping Head)	ZB3500
		Prop EN 1065 - A35 / 2.5m (with Stripping Head)	ZA3600
		Prop EN 1065 - B35 / 2.4m (with Support Head)	ZFB3500
Infill Beam		Prop EN 1065 - A35 / 2.5m (with Support Head)	ZFA3600
		Lower Support Prop Head	LXZC
		Filler Beam 1800mm	FL18
		Filler Beam 1200mm	FL12
		Filler Beam 900mm	FL9
		Filler Beam 600mm	FL6
		Wall Filler Beam 1800mm	WFL18
		Wall Filler Beam 1200mm	WFL12
		Wall Filler Beam 900mm	WFL9
		Wall Filler Beam 600mm	WFL6
		Bridge Beam 1800mm	GL18
		Bridge Beam 1200mm	GL12
		Bridge Beam 900mm	GL9
		Bridge Beam 600mm	GL6

DETAIL



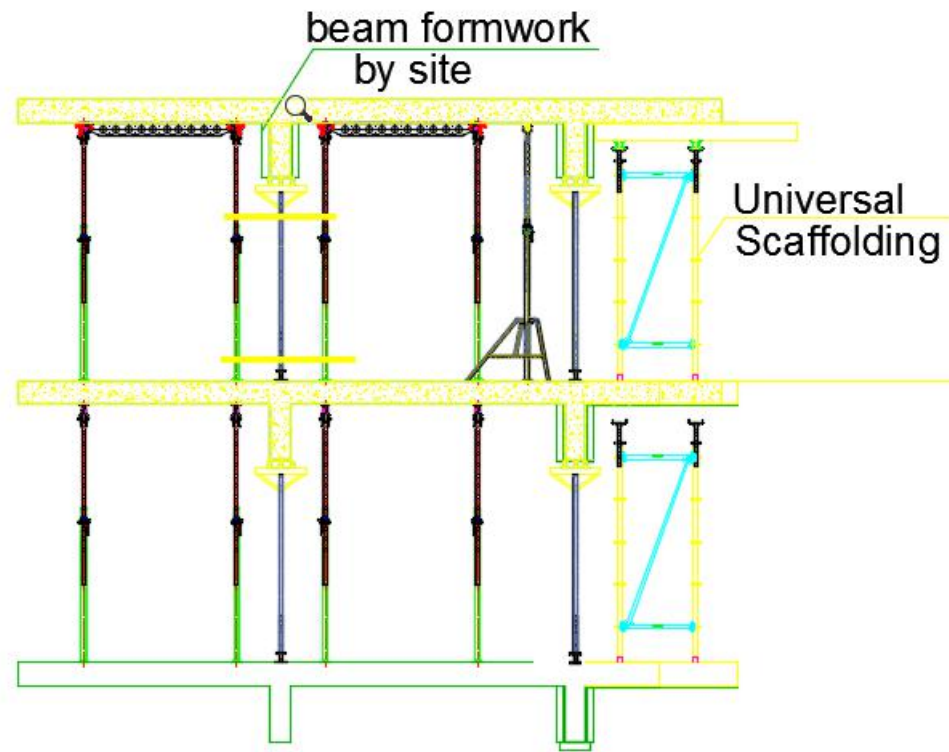
DETAIL



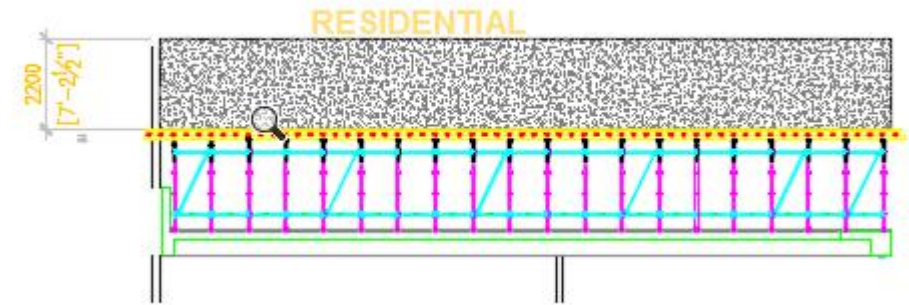
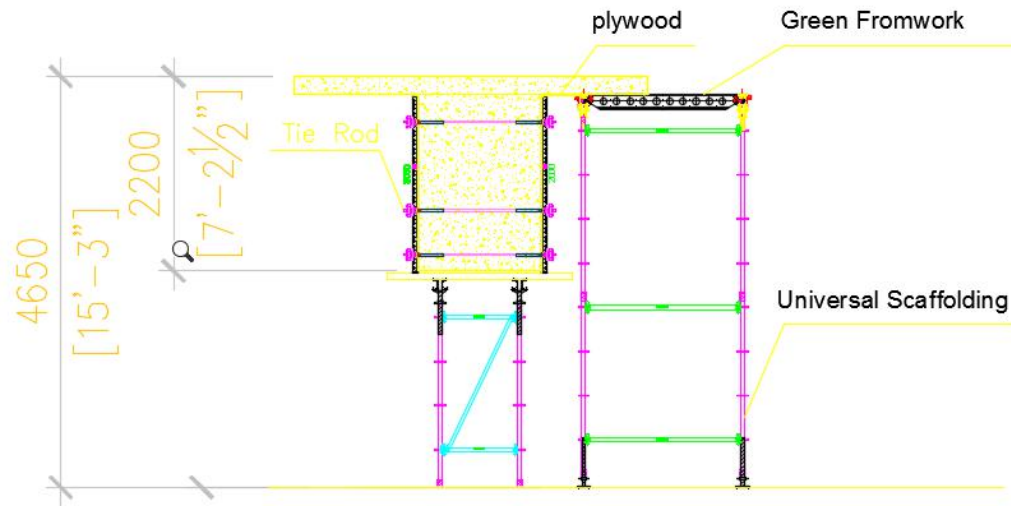
DETAIL



DETAIL



Universal Scaffolding



Universal Scaffolding



Los Angeles Project-2015.9



Los Angeles Project-2015.9



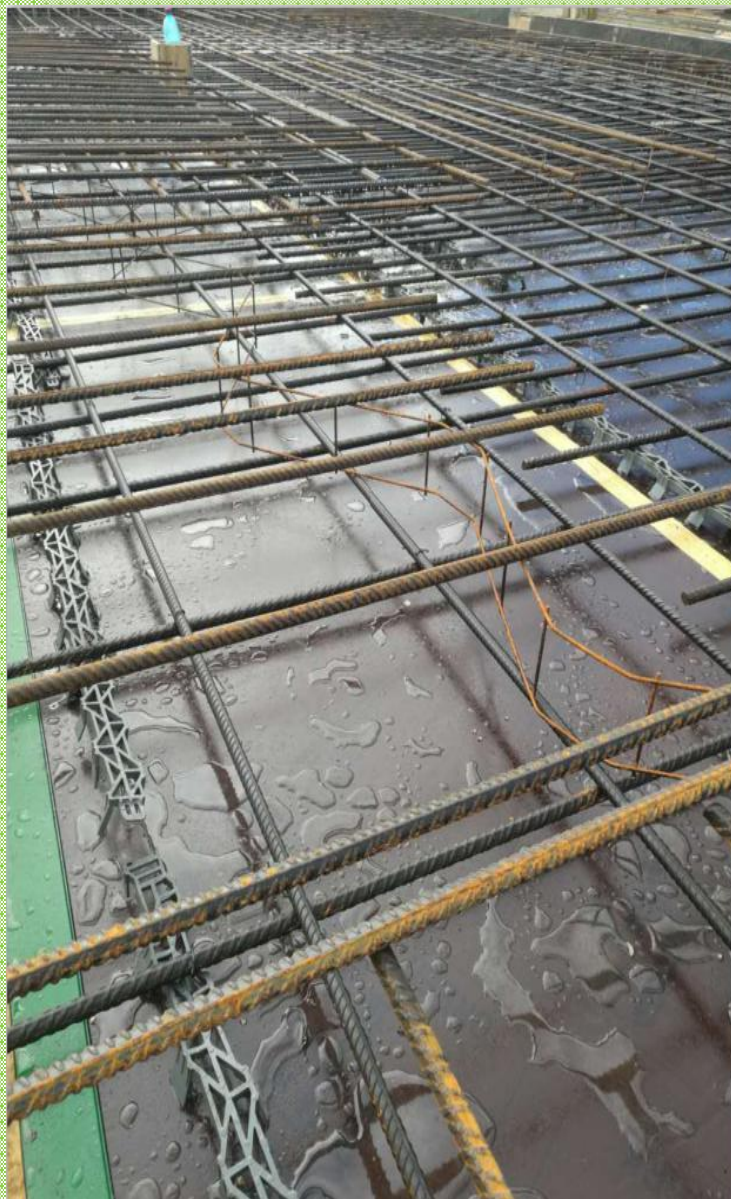
Los Angeles Project-2016 visiting with customer



Czech Republic project- 2016.03



Czech Republic project- 2016.03



Czech Republic project- 2016.03

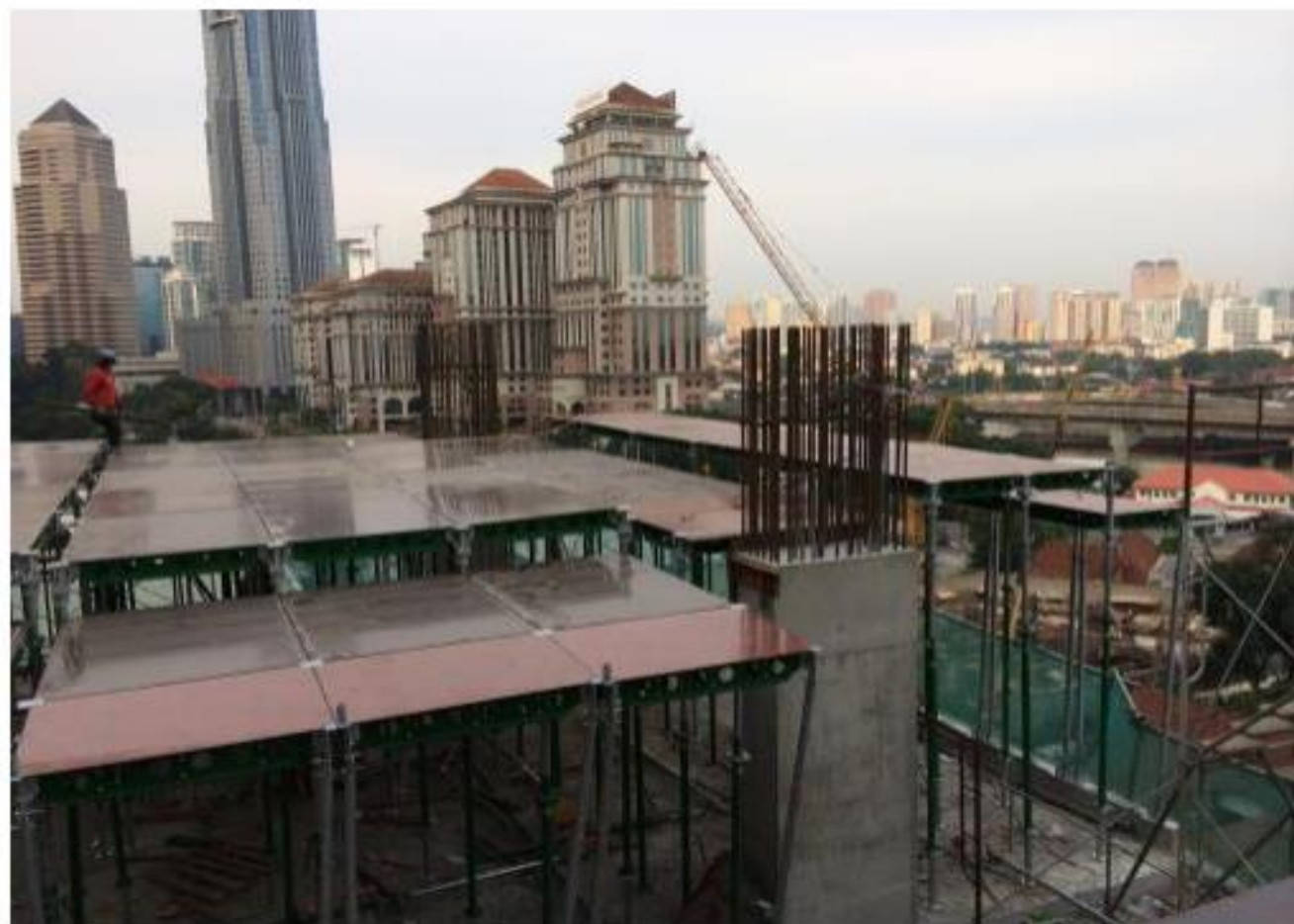


Malaysia project- 2013-2015



Green Formwork
For
Top Glove Tower
@Setia Alam, Selangor

Malaysia project- 2013-2015



Malaysia project- 2013-2015



Myanmar Yangon project-2016.03



Myanmar Yangon project-2016.03



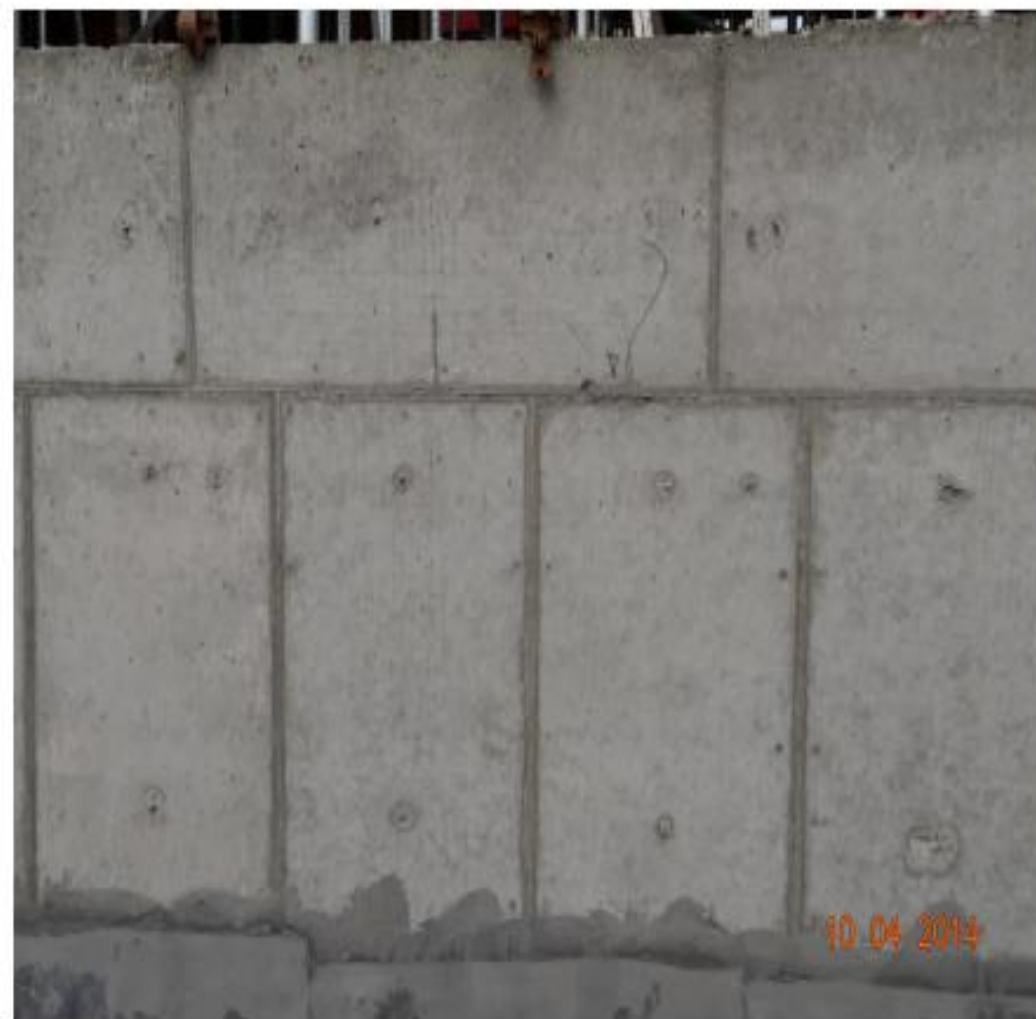
Cambodia project-2016.11



Cambodia project-2016.11



China project-2014.04



China project-2014.4



An aerial photograph of the New York City skyline, featuring prominent skyscrapers like the Chrysler Building and the Empire State Building. The image is partially covered by a large, semi-transparent yellow geometric shape that consists of several overlapping triangles. The word "THANKS!" is written in a large, bold, black sans-serif font on the right side of the image, set against a plain white background.

THANKS!