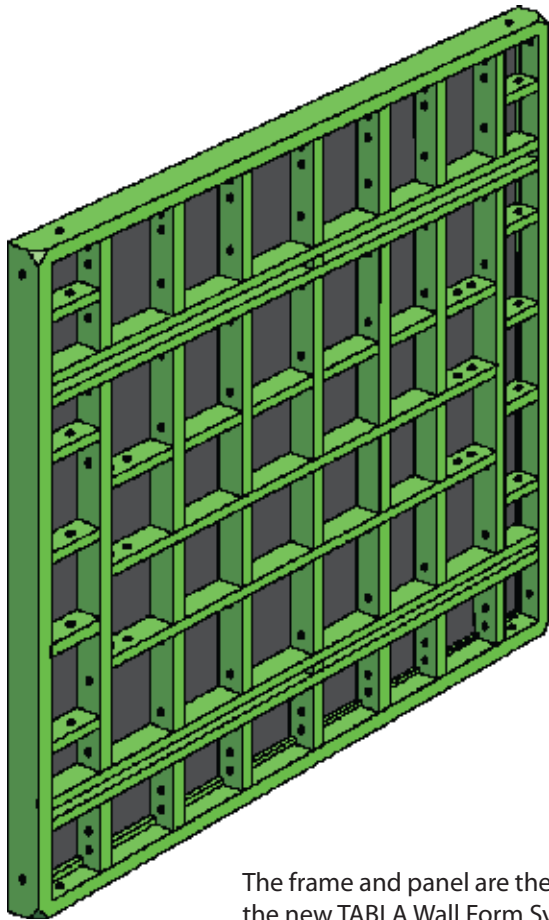


TABLA Modular Panel Wallform System (TB1) - Heavy Duty



TB1 - TABLA Modular Panel Wallform System



The frame and panel are the heart of the new TABLA Wall Form System.

The TABLA Wall Form System consists, mainly, of a modular steel frame with a plywood or plastic laminate panel facing, push-pull prop, scaffold bracket, alignment coupler, compensation waler, tie rod and lifting hook.

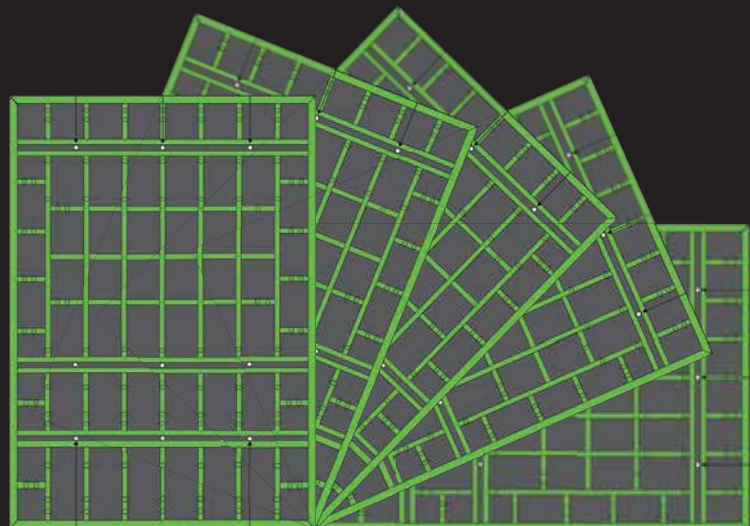
The heart of the System is the modular panel with a smooth-surfaced cladding attached to one side of a purpose-designed steel frame. Plywood panels could be used as cladding but Tabla recommends composite plastic panels to increase the ease of stripping and vastly extend the panel's cycling life span. Powder coated frames made of cold roll-forming steel supports the cladding.

Connection between the modular panels is accomplished through the use of the TABLA alignment coupler which greatly improves working efficiency when compared to time-consuming bolts or cumbersome U-clips. Additionally, compensation walers used at panel connection locations strengthen the integral rigidity of the wall forms.

Essential advantages of the TABLA Wall Form System are: high cycling turnover, easy operation, reasonable load, convenient storage and transportation, as well as low cumulative costs.

With TABLA's standardization of mechanized components, formwork erection has never been easier. A worker needs only a hammer to finish the job. Simple and efficient - that's the TABLA Wall Form System.

Wall Formwork



Flexibility in assembly is possible as necessitated by varied height requirements. The TABLA Wall Form Panels are designed to be used with equal ease both vertically and horizontally in any size. Their modular construction allows them to be aligned and secured in either configuration or with panels of different sizes.

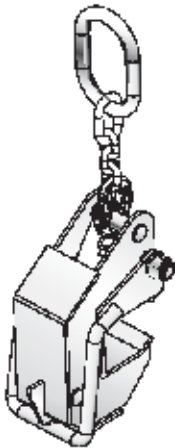
Note: with the panel in the vertical position, the integral waler closest to the panel edge should always be at the bottom as illustrated in the diagram above.

Erection Components

Modular components

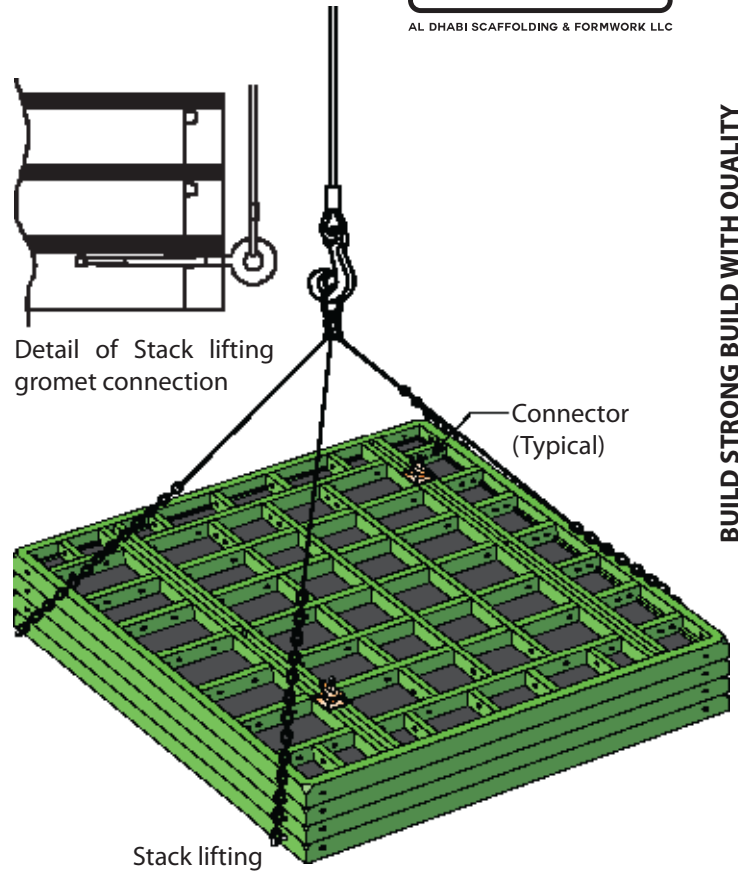
Modular components can be stacked together for convenient and safe lifts of multiple panels to the work deck. TABLA'S Wall Form panels are designed to nest for stacking and automatically align holes where the load can be secured with tie rods.

Holes located at each of the four corners are provided for securely attaching the lifting grommet. The TABLA Wall Form panels are designed to act as a base for the lift, negating the use of wood pallets.

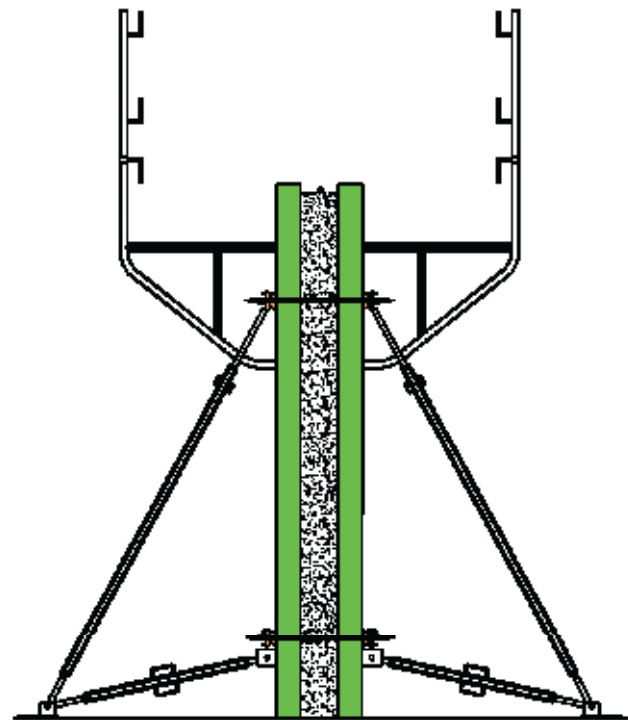
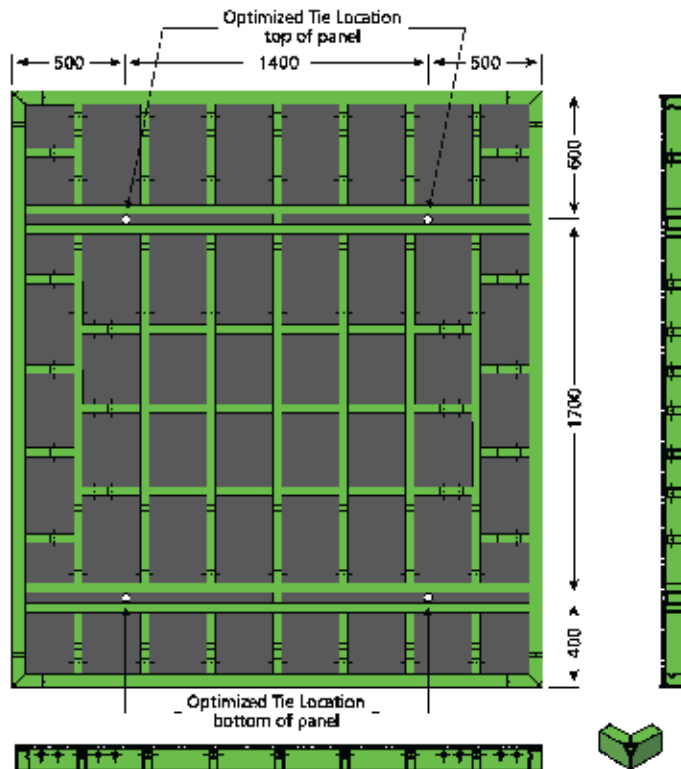


Single Panel
Lifting Hook

For single panel lifts, the Lifting Hook is designed specifically to match the profile of the TABLA Wall Form framework. This design avoids stress to the panel and reduces any negative effect of force to the frame during lifting.



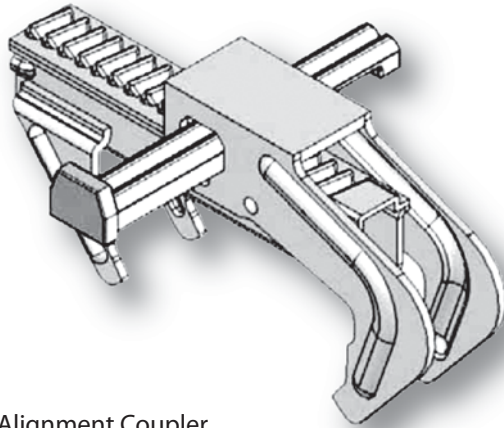
BUILD STRONG BUILD WITH QUALITY



Cross section of the TABLA Wall Form System

Illustrated above are the four optimum tie locations. Ties can, however, be located in any position along the built-in horizontal waler as necessary to avoid rebar or any other obstruction within the form.

Alignment Coupler

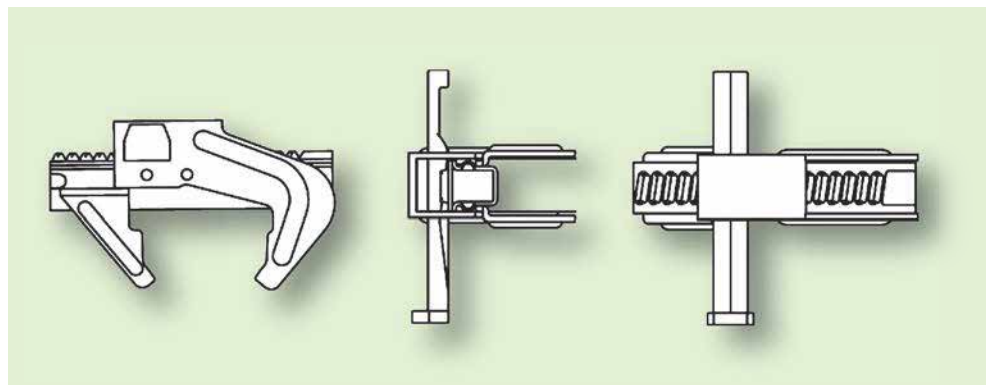


Alignment Coupler

Alignment Coupler

- Easy and simple connection between panels: fixing and loosening panels requires only a hammer.
- The unique design of the Alignment Coupler makes it possible to bear the 3D forces, ensuring the stable connection of panels, as well as preventing form displacement at panel joint.
- Its advantages are fast and easy operation, convenient dismantlement, less material waste. By ensuring the panel's strength, rigidity and flatness, it can also contribute to moulding a higher quality concrete face.
- The alignment coupler can be quickly and securely affixed to the framework in any orientation, i.e. vertically or horizontally, easily avoiding any requirement for complicated linkage or usage of bolts and U-clips.

Fixed Alignment Coupler

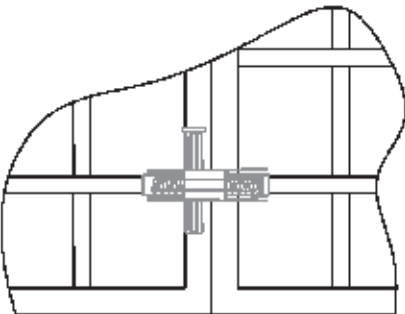


Alignment Coupler connections

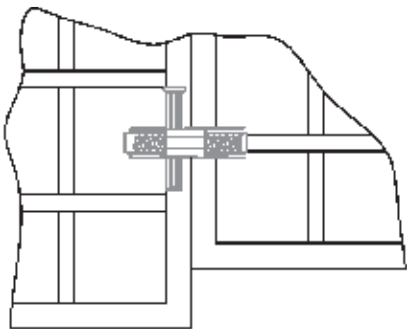


Alignment coupler aligning and locking two panels together as rigidly as one unit

Using only a hammer, the Alignment Coupler can be quickly and securely affixed to the framework vertically, horizontally, at corners or joining offset panels. The connection created by the Alignment Coupler forces connected components to perform as a rigid single unit.



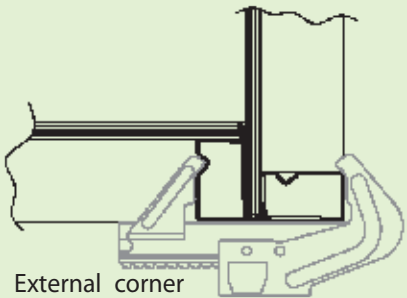
Standard panel connection. Typically only 2 to 3 couplers are required for 2.7m | 8' 10.75" height



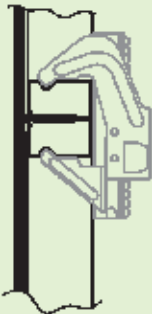
Connecting offset panels



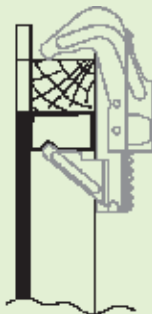
A hammer is the only tool used to secure and uncouple the Alignment Coupler



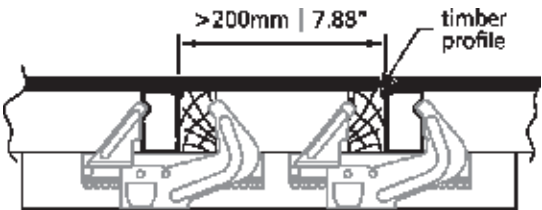
External corner connection



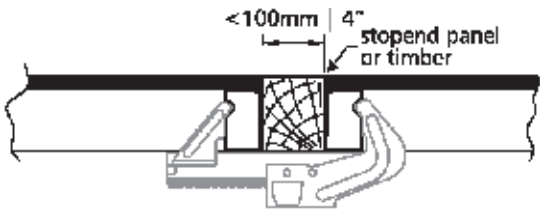
Connecting timber for height extension



Connecting panel for height extension



Infilling the filler between standard panels



Connecting special-sized panels

Walers

Walers consist of dual profiled steel, special lifting hooks and wedge pins. They are easy to transport, operate and economical to maintain.

There are 4 types of Compensation Walers: projection waler, straight waler 850, straight waler 1300 and the adjustable waler which can accommodate any required angle.

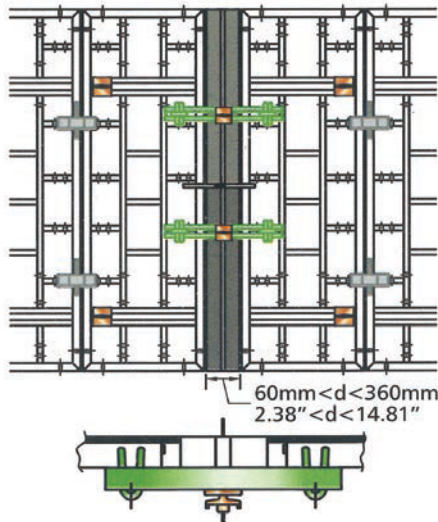
Walers are used to strengthen the connection between components. They greatly improve the integral rigidity, flatness and stiffness of the formwork by spanning and locking to adjacent components.

They are used with panels, internal and external corners, bulkheads, infilling timber between panels and for height extensions.

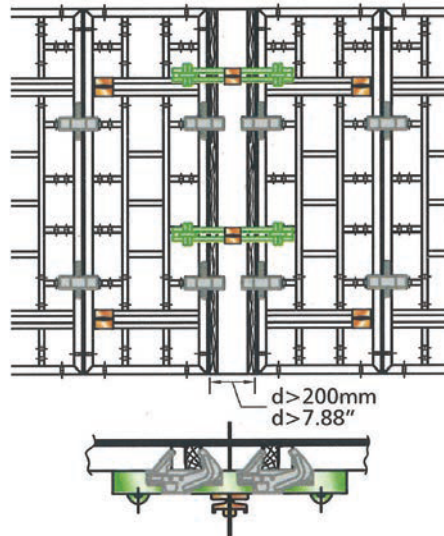


The 90° Waler is designed to secure Wall Form internal corners

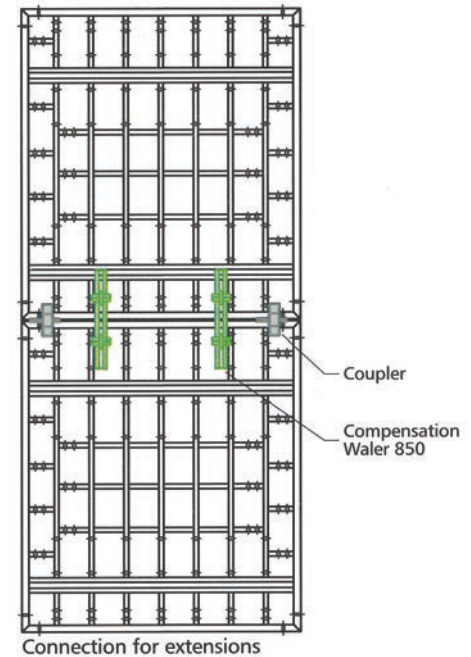
Walers, Coupler & Tie Rod Connections



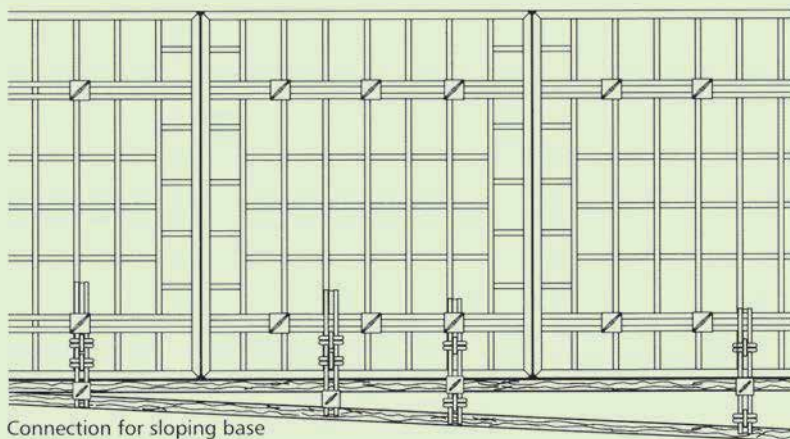
Connecting standard panels with filler



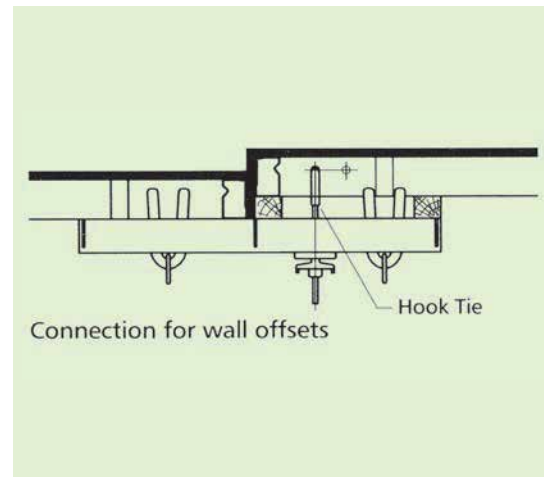
Connecting standard panels with frames



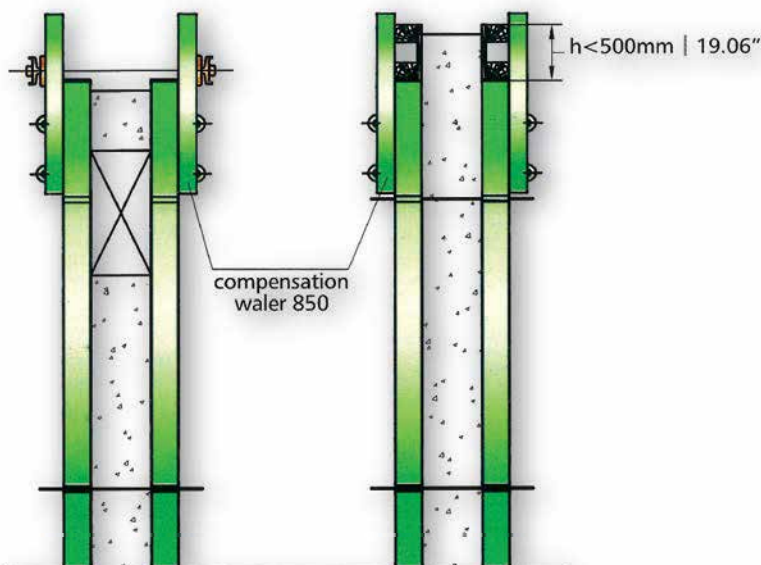
Connection for extensions



Connection for sloping base



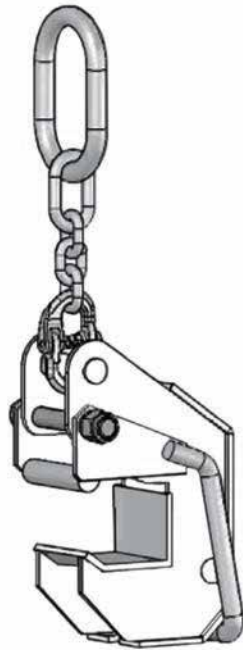
Connection for wall offsets



Tie rods can not be use where door or window openings are located. Instead, a straight waler is used to transfer the position of the tie rod to the top of the panel.

Walers can be used for timber height extension. Within a maximum height of 500mm | 19.0", there is no need to use additional tie rod.

Lifting Hook & Tie Rod



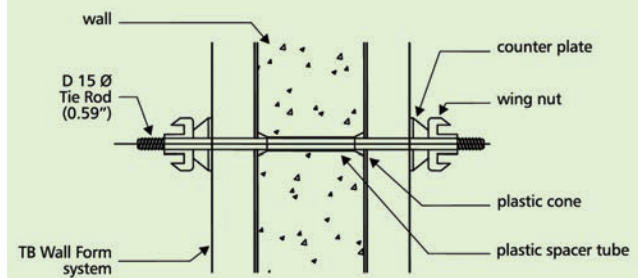
For single panel lifts, a lifting hook has been developed which is specifically designed to match the wall form frame profile. The matching fit avoids stress to the panel and reduces any negative effect of force to formwork during lifting.

The lifting hook's conformity to the panel profile allows it to be locked tightly onto the panel without compromising the panel's structural integrity, improving the safety of the lift.

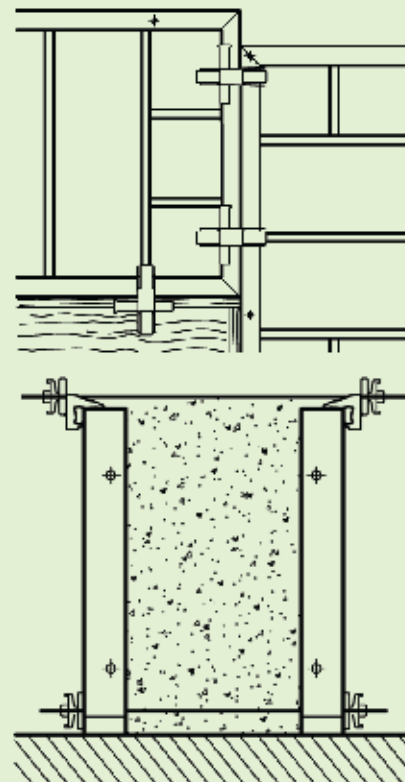
A simple locking mechanism makes the lifting hook convenient and quick to lock onto a panel and easy to loosen for removal after use. This makes the ADSF lifting hook a very cost effective design.



Node Diagrams



Cross section of thread-typed tie rod (typical simple tie)



Stoped panel or solid timber is used in the lower position of tie.

Push - Pull Props



Base plate connects the push-pull prop with the kicker brace and provides a stable base for orienting the wall.

Wall form system includes push-pull prop, kicker brace, scaffold bracket and crowbar.

- The push-pull prop and kicker brace are adjustable to meet different height and supporting angle.
- Scaffold bracket is a safe, light weight, platform support easy to install and dismantle.
- The crowbar, in conjunction with the levering corners, aids in formwork erection and dismantling.

The push-pull prop and panel are connected with the brace connector-2.

The horizontal kicker brace is connected to the panels with pins or bolts .



The push-pull prop assembled in the configuration ready to be connected to a wall form panel.



The push-pull prop's adjustable screw is used to adjust the verticality of a wall form panel.

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Scaffold Brackets & Connectors



Scaffold brackets connected to wall form panel



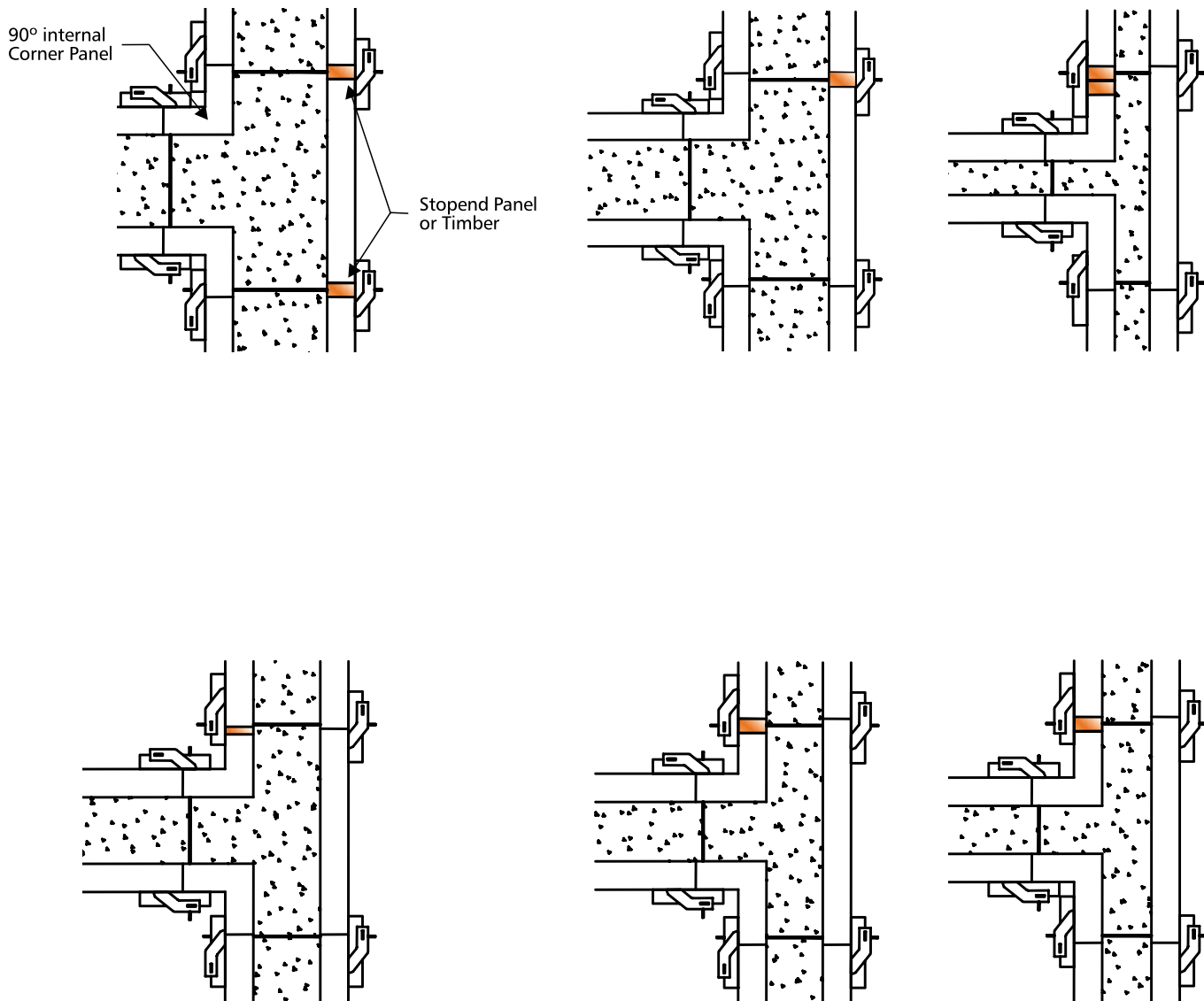
Bolts or pins are also connect the upper and lower pivot with the panel

Engineering Details

Core Tube & T-Junction Walls

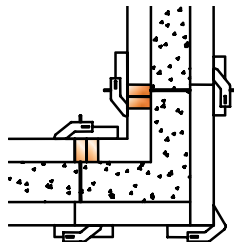
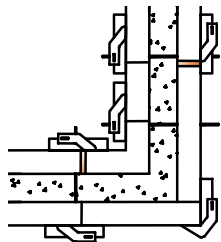
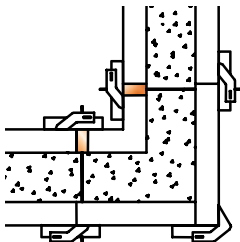
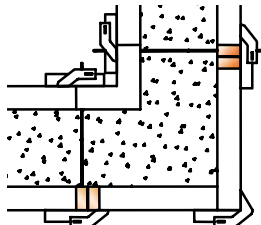
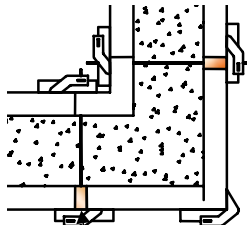
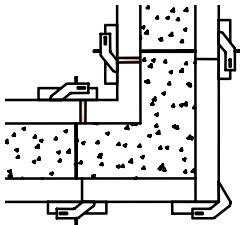
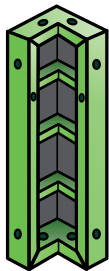
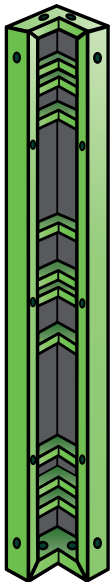
T-Junction Walls

Wall thickness is easily varied with the use of Stopend Panels or precisely sized timber in place of the Stopend Panels.



90° Waler & Stopend

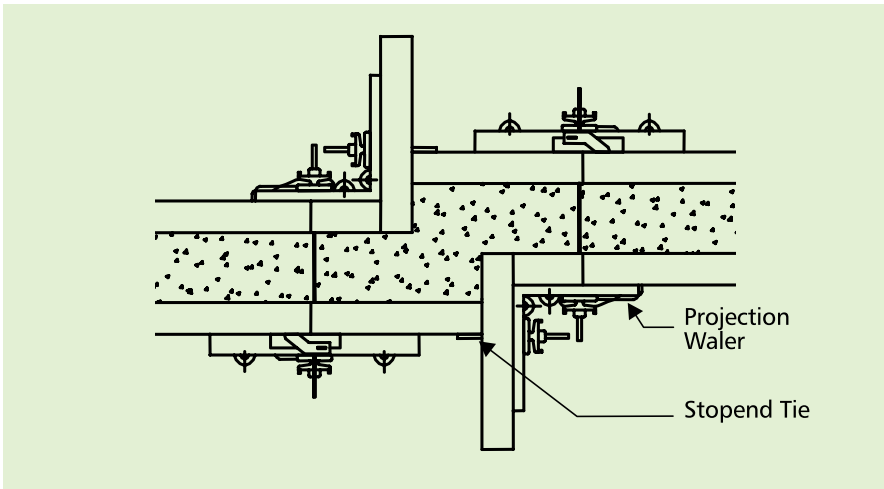
90° Corner



Stopend Panel
or Timber



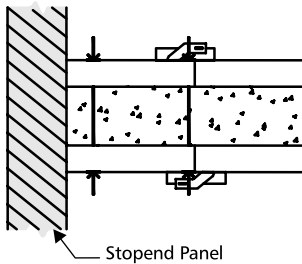
90° Waler



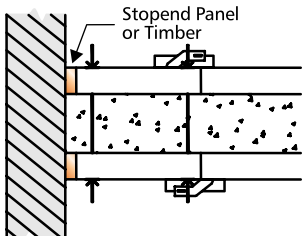
Projection
Waler

Stopend Tie

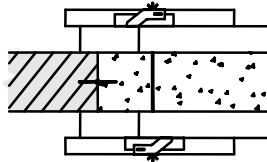
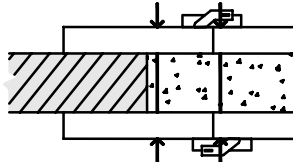
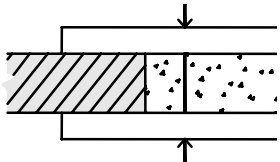
Stopend



Stopend Panel



Stopend Panel
or Timber



Core System

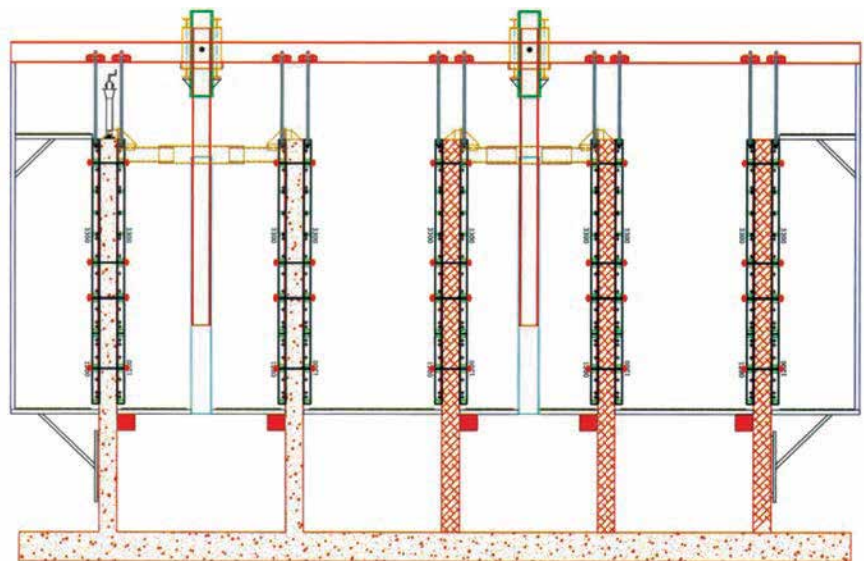
The Tabla TB-1 Form System can also be used in conjunction with our crane independent Tabla Self Climbing Form System.

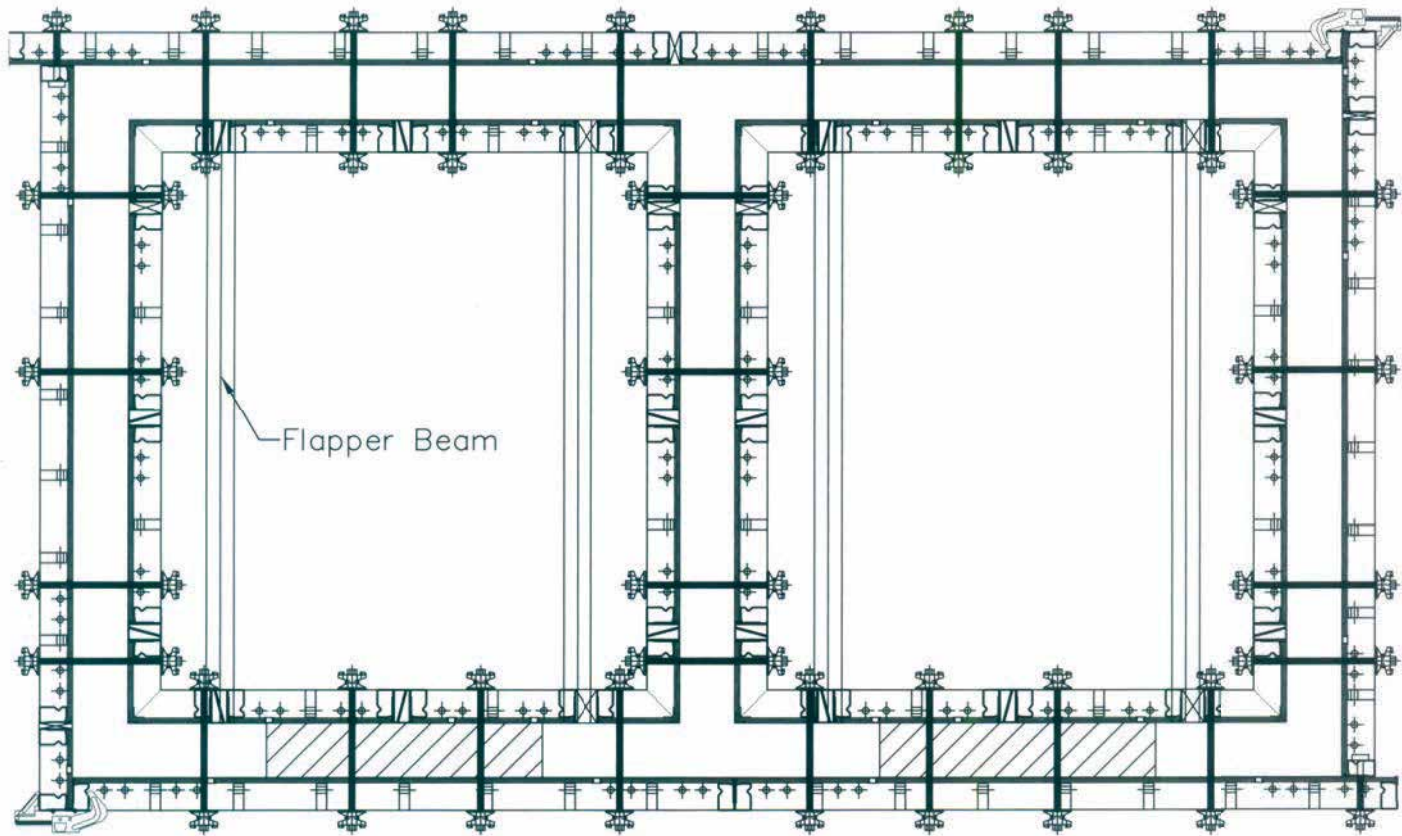
SELF LIFTING INTEGRATING CORE (SLIC) FORM SYSTEM

- Capacity: 1.42 kN (320,000Lbs).
Speed: 0.03 m/s (6FPM).
Self climbing, care free operation.
- 4 hydraulic jacks for typical core form.
- Central operating station. self diagnostics.
- Hydraulic operated telescopic root beams.
- Inner and outercore forms rollback for cleaning.
- Solid platform upper deck to allow the rebar to be installed safely as the lifter rises.
- Laser Measurement System to allow pouring of the core wall to any height up to 4.25 meters. This can be programmed on the main control panel.
- The Hydraulic System will be a self leveling within (12mm) system so that all components remain level during the raising stage.
- The "Root Beams", are also hydraulic to allow adjustment for alignment purposes. The feet will incorporate self forming pockets that will retract with the Root Beams.
- There will be a lower Root Beam with hydraulic jacks for stabilizing.
- The Control Box will be touch screen and will have step by step pictorial procedures and fault screen. programmable distance, onboard diagnostics that can be communicated remotely via modem.

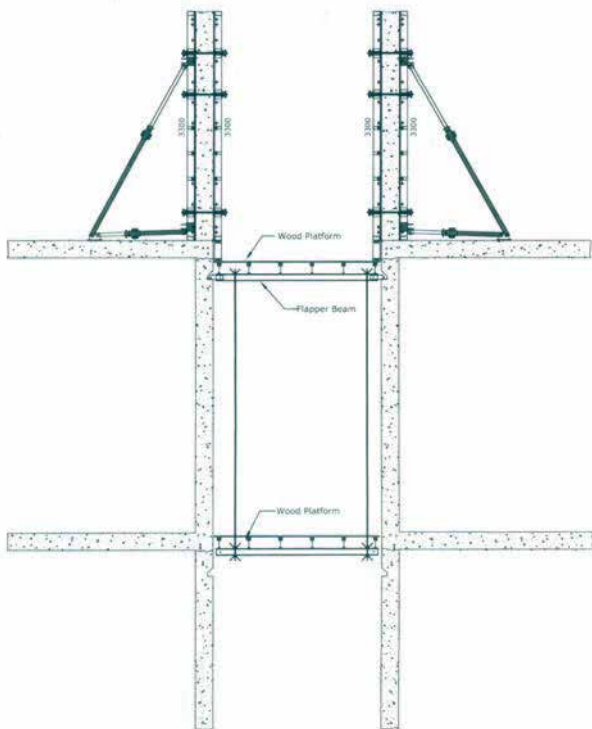


Self Lifting



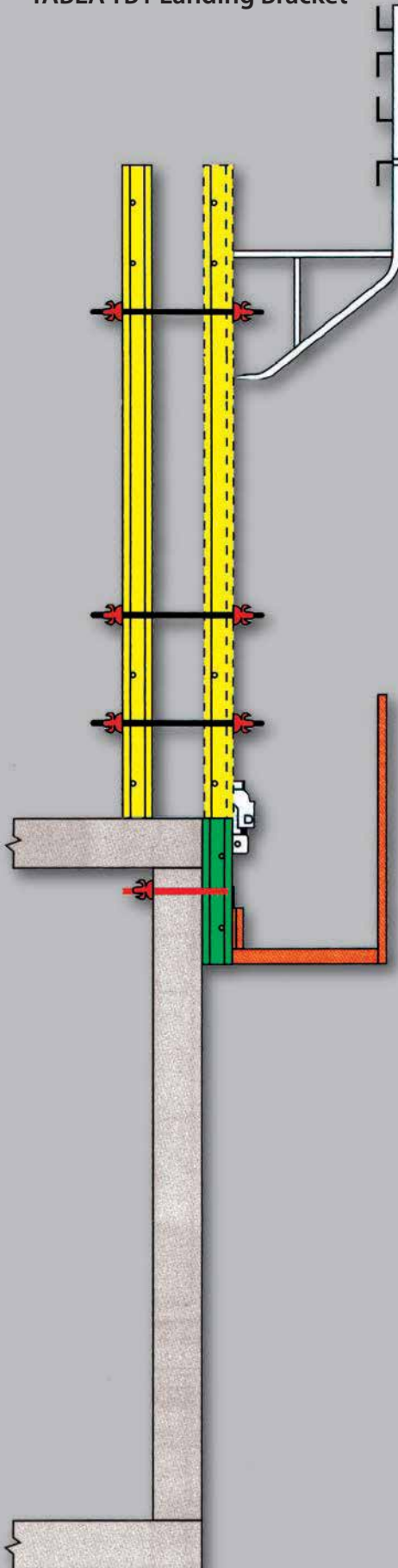


CRANE LIFTED OPERATION



Build Landing Bracket

TABLA TB1 Landing Bracket



A self-aligning and winning combination

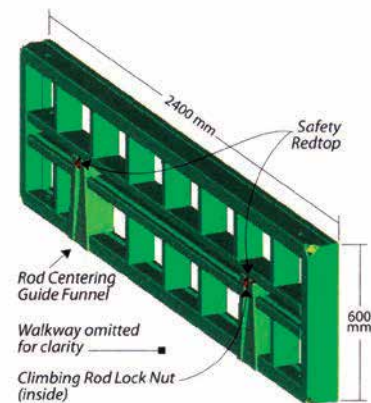
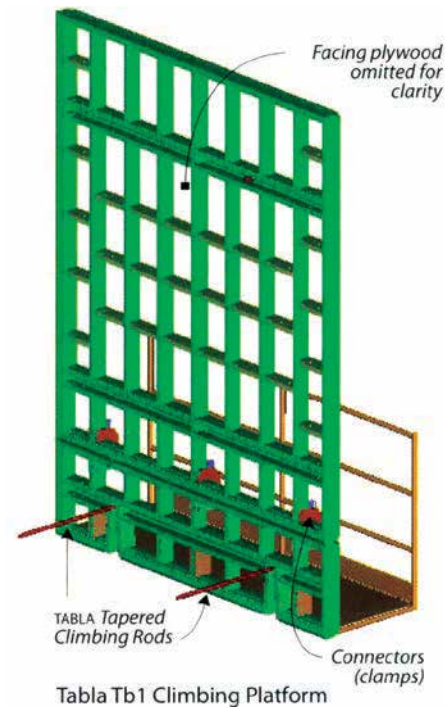
The Landing Bracket is the latest Wall Form component that demonstrates Tabla's continuing commitment to innovative and reliable products.

The Landing Bracket is a combination of a rigid walkway plus a uniquely designed climbing bracket. The two vertical funnels in the bracket are designed to fit snugly over the two special ties from the previously poured concrete wall. When attached to a Wall Form panel with Alignment Couplers the unit is lowered over the tie rods from the previous pour and the new form is placed in perfect alignment. Workers can now be at a safe distance from the form when it is being lowered. The Landing Bracket is safe and easily connected to the previous pour.

Safe, fast, efficient.

Another innovative product from the people that brought you the fastest shoring system in the world.

BUILD STRONG BUILD WITH QUALITY

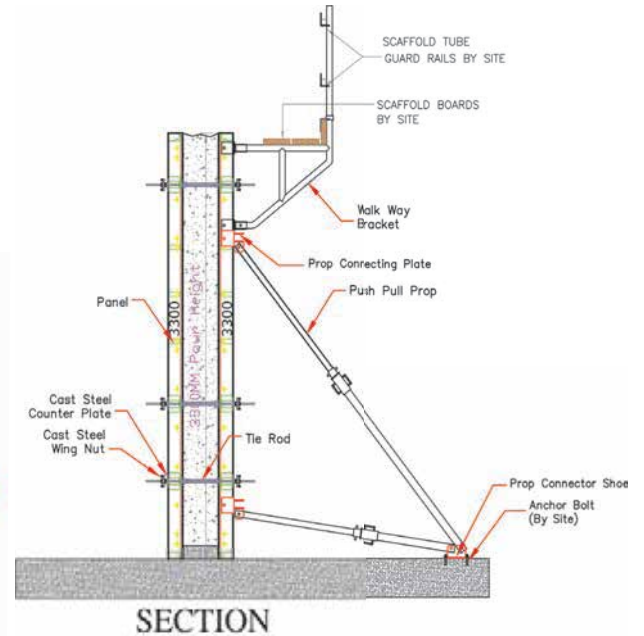
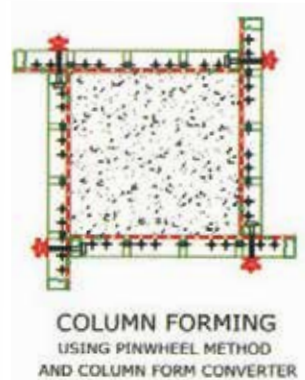


[Vertical walers may be applied for extra stiffness]

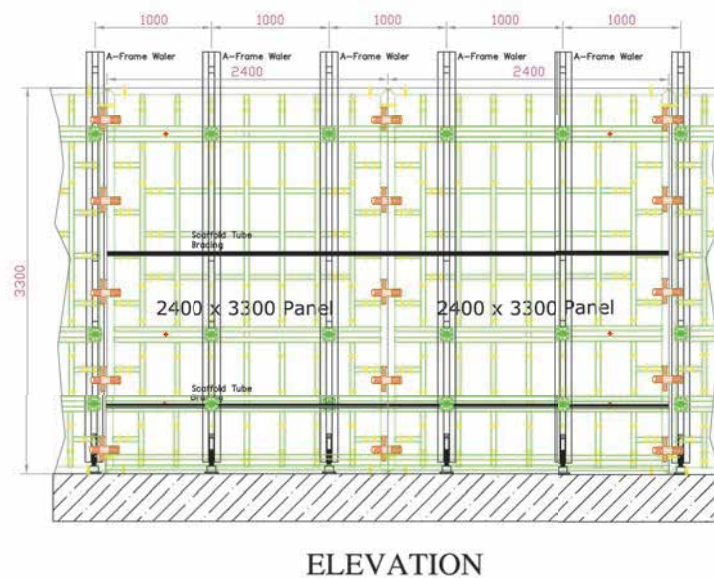
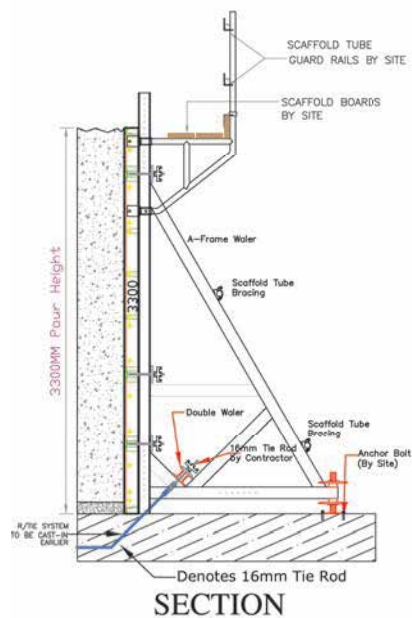
ADSF
AL DHABI SCAFFOLDING & FORMWORK LLC

Diagram illustrating the components and dimensions of a vertical formwork panel assembly:

- Stopend Tie**: Located at the top and bottom of the panel.
- Stopend Panel**: The panel at the top and bottom of the assembly.
- Panel**: The main vertical formwork panel.
- Tie Road 15mm. Ø**: The central vertical rod.
- Walk Way Bracket**: A bracket for a walkway, shown on the right side.
- Cast Steel Counter Plate**: Located at the top and bottom of the panel.
- Cast Steel Wing Nut**: Located at the top and bottom of the panel.
- Push Pull Prop (Every 3m. spacing)**: A prop used to support the panel, shown on the right side.
- Dimensions**:
 - 4500 (Total height)
 - 1200 (Panel height)
 - 1200 (Panel height)
 - 400 (Tie rod diameter)
 - 2400 (Panel height)
 - 2400 (Panel height)
- PLAN**: The diagram is labeled as a plan view.



The plan view shows a bridge deck with a total width of 2400mm. The deck is divided into 10 sections, each 240mm wide, by 11 vertical lines. The sections are labeled 1 through 10. The 10th section is the widest, at 2400mm. The other sections are 240mm wide. The deck is supported by 10 piles, which are labeled 1 through 10. The piles are arranged in a row, with the 10th pile being the widest, at 2400mm. The other piles are 240mm wide. The deck is shown in cross-section, with the top surface and the bottom surface. The top surface is labeled 'TOP' and the bottom surface is labeled 'BOTTOM'. The deck is shown in plan view, with the 10 piles and the 2400mm wide deck sections.



Components Wall Panels

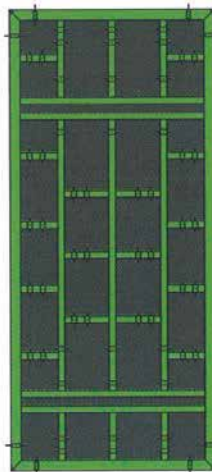
2700 Series Wall Panels

Item Code	mm	ft	m ²	ft ²	kg	lbs
W240270	2400x2700	7'10.5"x8'10.25"	6.48	69.8	395.82	872.6
W120270	1200x2700	3'11.25"x8'10.25"	3.24	34.9	214.84	473.6
W90270	900x2700	2'11.44"x8'10.25"	2.43	26.2	169.21	373.0
W72270	720x2700	2'4.31"x8'10.25"	1.94	20.9	138.49	305.3
W60270	600x2700	1'11.63"x8'10.25"	1.62	17.4	123.26	271.7
W30270	300x2700	11.81"x8'10.25"	0.81	8.7	74.11	163.4

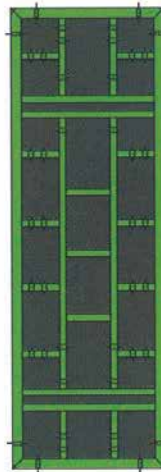
■ **2700 series wall panels**
Wall Panels are fitted with 18mm plywood



W240270



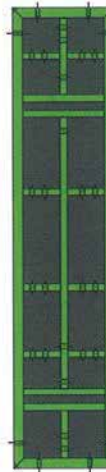
W120270



W90270



W72270



W60270

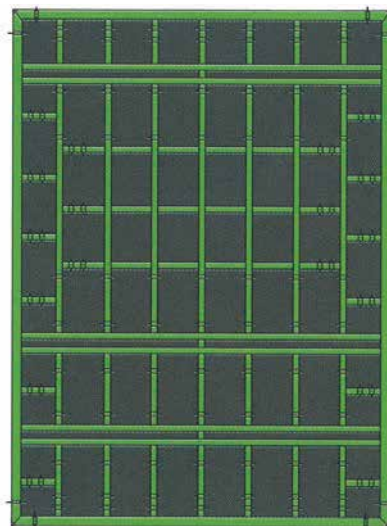


W30270

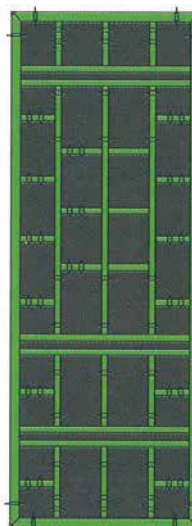
3300 Series Wall Panels

Item Code	mm	ft	m ²	ft ²	kg	lbs
W240330	2400x3300	7'10.5"x10'9.88"	7.92	85.3	457.61	1008.9
W120330	1200x3300	3'11.25"x10'9.88"	3.96	42.6	207.25	456.9
W90330	900x3300	2'11.44"x10'9.88"	2.97	32.0	201.31	443.8
W72330	720x3300	2'4.31"x10'9.88"	2.38	25.6	165.93	365.8
W60330	600x3300	1'11.63"x10'9.88"	1.98	21.3	147.51	325.2
W30330	300x3300	1'8.1"x10'9.88"	0.99	10.7	87.79	193.5

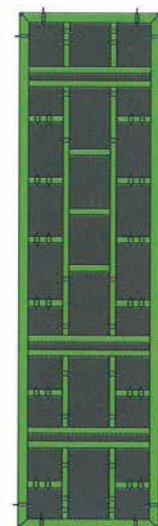
■ **3300 series wall panels**
Wall Panels are fitted with 18mm plywood



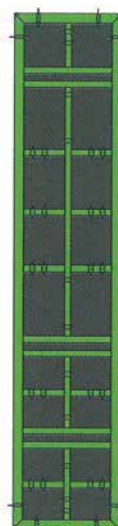
W240330



W120330



W90330



W72330



W60330



W30330

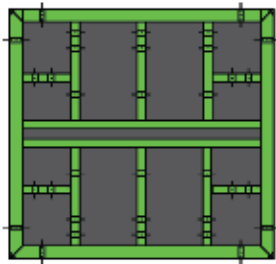
Wall Panel & 90° Corner Panels



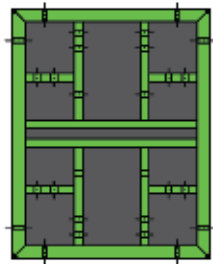
1200 series wall panels

Wall Panels are fitted with 18mm plywood

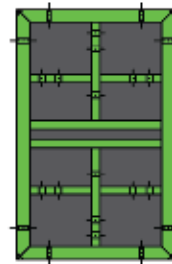
1200 Series Wall Panels						
Item Code	mm	ft	m ²	ft ²	kg	lbs
W120120	1200x1200	3'11.25"x3'11.25"	1.44	15.5	99.94	220.3
W90120	900x1200	2'11.44"x3'11.25"	1.08	11.6	79.82	176.0
W72120	720x1200	2'4.31"x3'11.25"	0.86	9.3	68.74	151.5
W60120	600x1200	1'11.63"x3'11.25"	0.72	7.8	59.53	131.2
W30120	300x1200	11.81"x3'11.25"	0.36	3.9	35.97	79.3



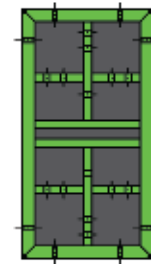
W120120



W90120



W72120



W60120



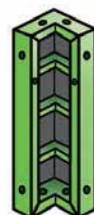
W30120



C3030330



C3030270



C3030120

Corner Panels

Corner Panels are fitted with 18mm plywood

Corner Panels						
Item Code	mm	ft	m ²	ft ²	kg	lbs
CI3303030	(300+300)x3300	(11.81"+11.81") x 10'9.88"	1.98	21.3	128.71	283.8
CI2703030	(300+300)x2700	(11.81"+11.81") x 8'10.25"	1.62	17.4	106.52	234.8
CI1203030	(300+300)x1200	(11.81"+11.81") x 3'11.25"	0.72	7.8	51.75	114.1
CI903030	(300+300)x900	(11.81"+11.81") x 2'11.44"	0.54	5.8	43.66	96.1
CI603030	(300+300)x600	(11.81"+11.81") x 1'11.63"	0.36	3.9	30.02	66.2
CI303030	(300+300)x300	(11.81"+11.81") x 11.81"	0.18	1.9	18.99	41.9

Components Stopend Panel & Filler Plates

■ Stopend Panel

Code	kg	lbs
WSEP	8.82/m	5.9/ft

■ Filler Plate

Code	mm	ft	kg	lbs
FP27	2700	10.25'8"	48.8	107.6
FP12	1200	11.25'3"	24.3	53.6

Filler Plates close any gap from 60mm to 360mm | 2.36" to 14.17".



WSEP



FP27



FP12

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Alignment Coupler

Item Code	kg	lbs
WCPL	4.05	8.9

Permissible tension force is 20kn | 4946 lbs and maximum clamping length is 220mm | 8.66".

Fixed Alignment Coupler

Item Code	kg	lbs
WFCPL	4.05	8.9

Compensation Walers

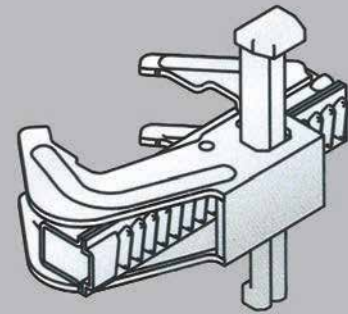
Item Code	kg	lbs
WCWL1300	17.09	37.7
WCWL850	12.50	27.6

Permissible bending moment 4.4kn/m | 301 lbs/ft.

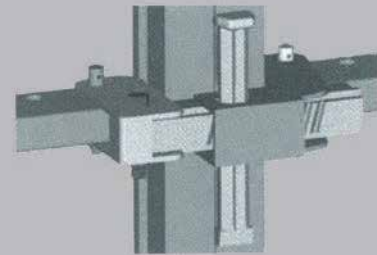
90° Walers

Item Code	90° Wallers	kg	lbs
WPWL85	for 90° internal corner	12.48	27.5
WPWL50	for 90° internal corner	9.50	20.9

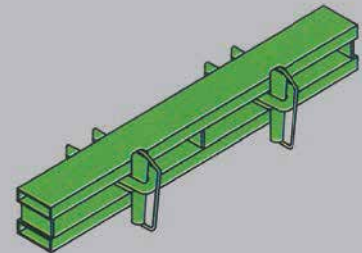
WCPL



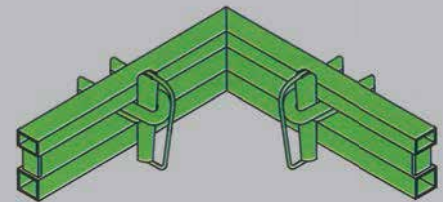
WFCPL



WCWL1300



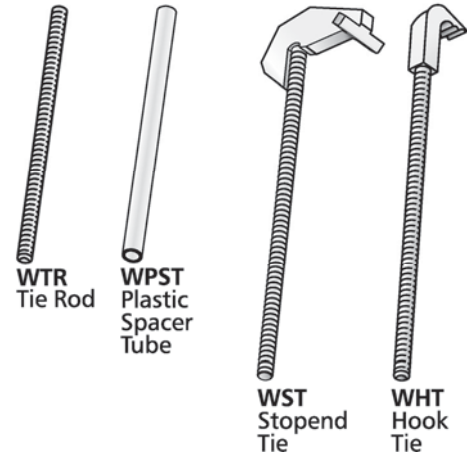
WPWL85



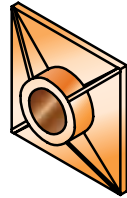
Components Fasteners & Lifting Hook

Ties

Code		kg	lbs
WTR	Tie Rod	1.32/m	0.9/ft
WCSCP	Cast Steel Counterplate	0.61	1.3
WCSWN	Cast Steel Wingnut	0.36	0.8
WPST	Plastic Spacer Tube	0.22	0.5
WPC	Plastic Cone	0.005	0.01
WPLG	Plastic Plug	0.003	0.007
WST	Stopened Tie	1.2	2.6
WHT	Hook Tie	0.64	1.4
WHTH	Hook Tie Head	0.42	0.9



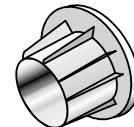
WCSWN
Cast Steel
Wingnut



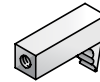
WCSCP
Cast Steel
Counterplate



WPC
Plastic Cone



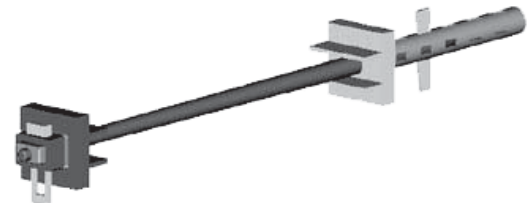
WPLG
Plastic Plug



WHTH
Hook Tie Head

Taper Tie

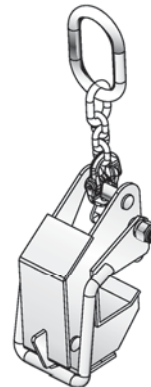
Code		kg	lbs
WTTT	Taper Tie up to 24" 600mm wall	11	24



WTTT
Quick Release Taper Tie

Ancillary Components

Code		kg	lbs
WLH	Lifting Hook	6.99	15.4
WTB2	Tie Bracket	0.36	0.8



WLH
Lifting
Hook

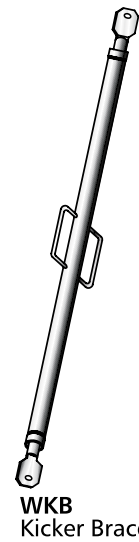
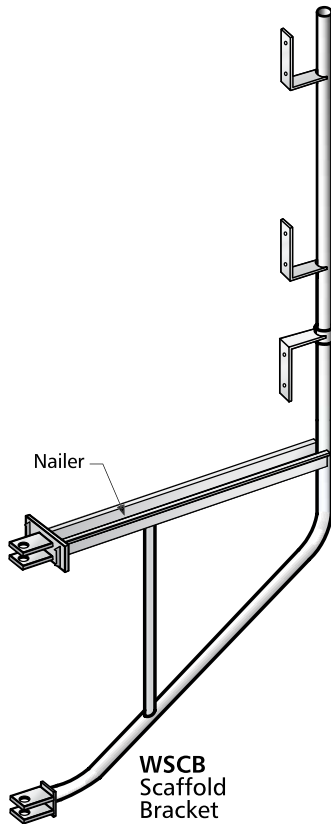


WTB2
Tie bracket

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■ Supports

Code		kg	lbs
WSCB	Scaffold Bracket	15.75	34.7
WPPP	Push-pull prop	22.4	49.4
WKB	Kicker brace	13.96	30.8
WKC	Kicker/Prop Connector	1.96	4.3
WBC2	Brace Connector-2	0.95	2.1



TB1 Retaining Wall

