



H20 & Waler system

for shoring & scaffolding



For
columns

H20 & Waler

for walls & columns



For walls

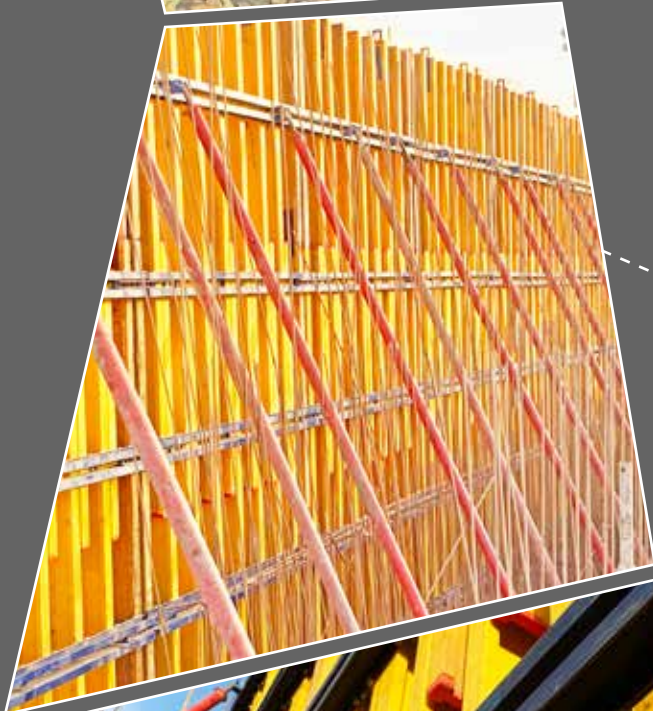
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WELCOME



Economic



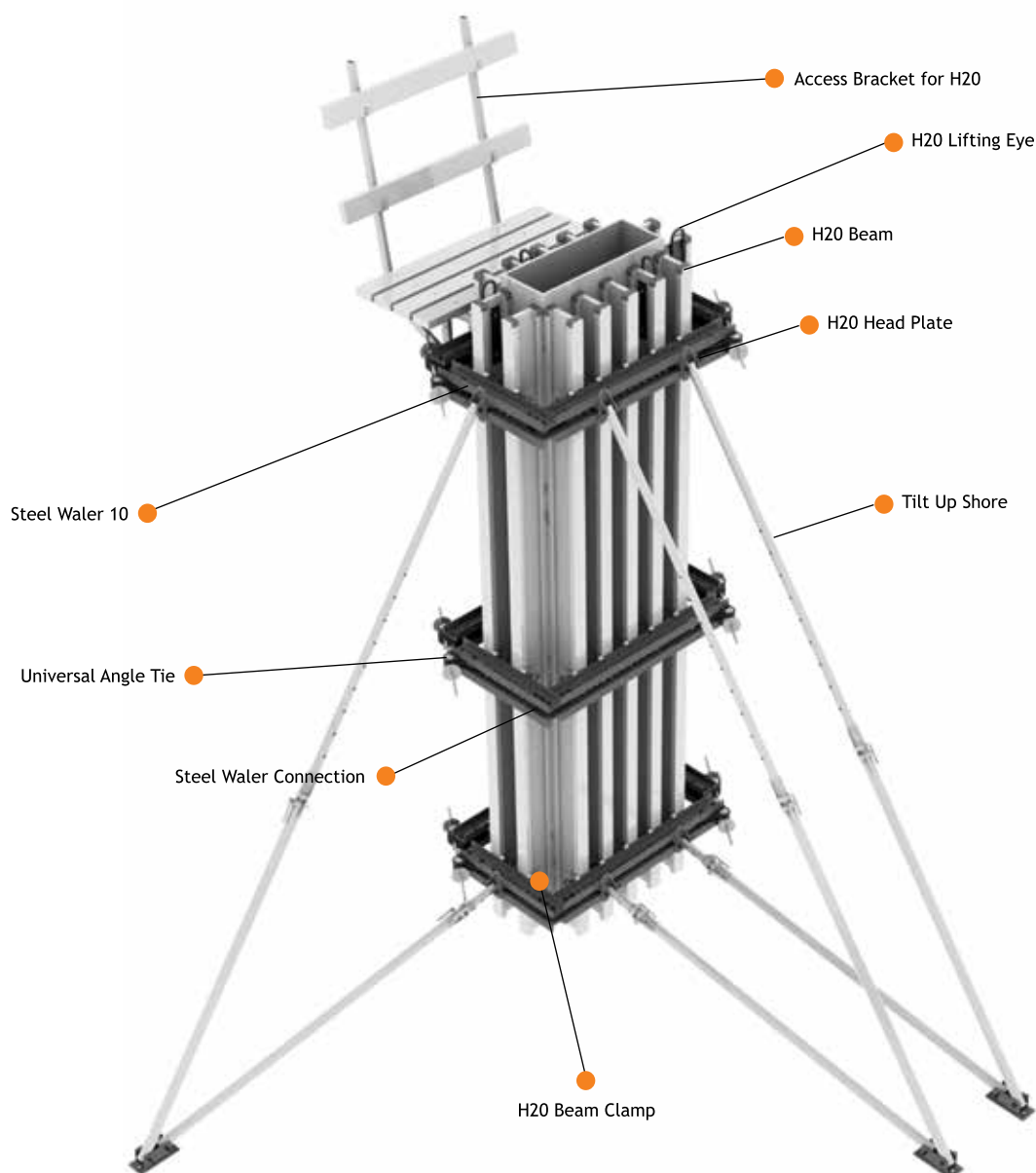
long
lifespan



Overview for Column

H20 & Steel Waler System for Column

This system is being done to complete the process of molding the structure of the columns of different heights. And the system is illustrated in this drawing three-dimensional



Cost Effective



Safe

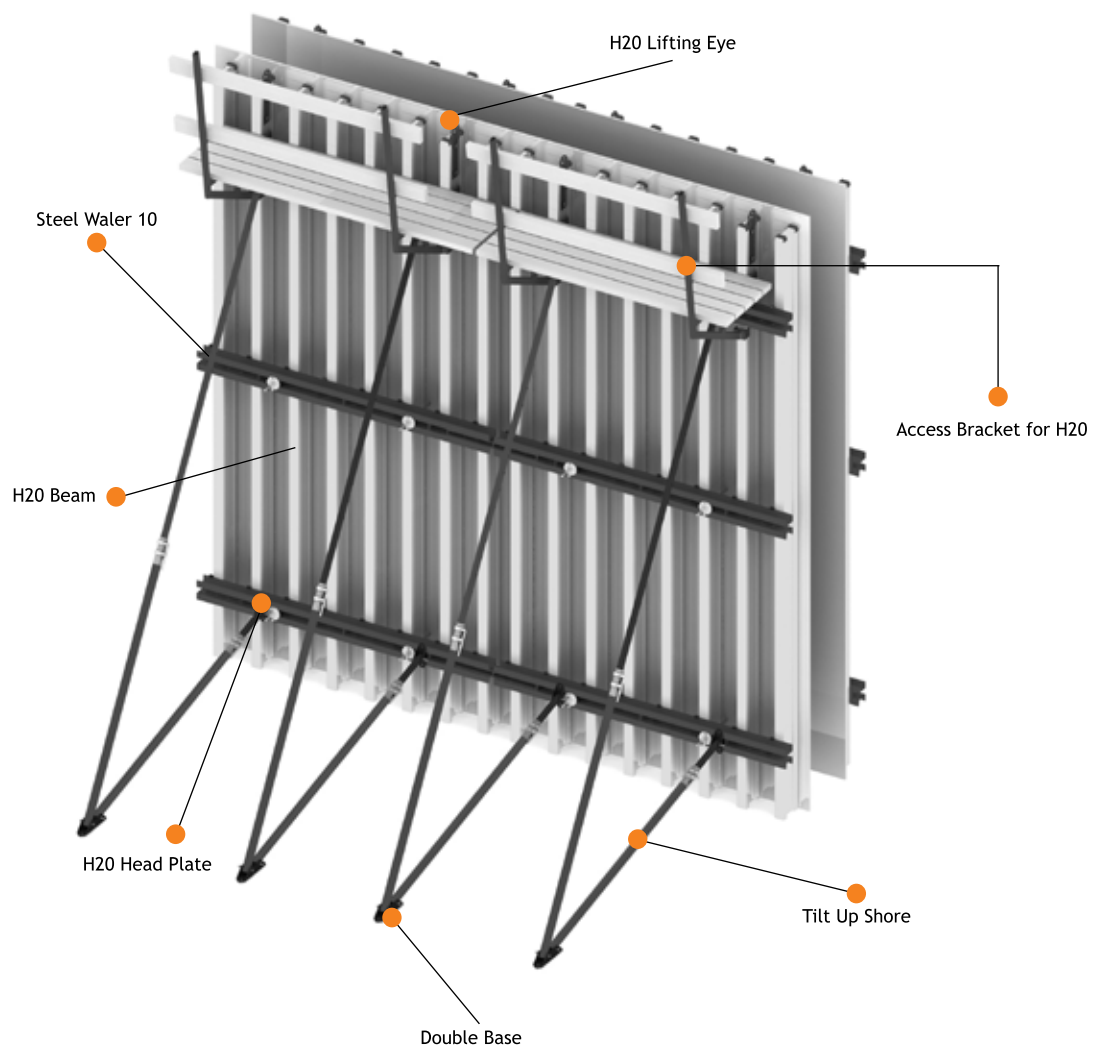


Durable

Overview for wall

H20 & Steel Waler System for wall

This system is being done to complete the process of molding the structure of the walls of different heights. And the system is illustrated in this drawing three-dimensional



Cost Effective



Safe



Durable

Introductions

Steel waler & H20

Steel Waler Formwork System Is A Flexible System To Meet Many Types Of Tasks. It Is Designed To Increase Efficiency , And Save Time Through The Following :

Max Concrete Pressure

The System Can Support Up To 80Kn/M2 Where The Spacing Between System Elements Depend On Concrete Pressure.

Concrete Surface

Ability To Choose Form Face Material To Meet Your Requirements (Smooth Fair - Faced Concrete - Wood - Textured Surfaces).

Wall & Column Dimensions

Ability To Choose From Many Textures To Meet Your Requirements (Smooth Fair - Faced Concrete - Wood Textured)

System Handled

The System Can Be Handled By Cranes, Which Increasing The System Efficiency Specially In Large Constriction Sites .

Accessories

Arrange Of Accessories Make Work On The Site More Efficient & Proficient.

Assembly

The Assembly And Disassembly Can Be Done Quickly & Simply.

Panel Connection

adjustment Panels Are Joint With Connectors And Rivet Pins.

H20 Or Aluminum Beams

For Higher Rigidity Systems The H20 Beam Is Recommended
Lighter Systems The Aluminum Beam Is Recommended



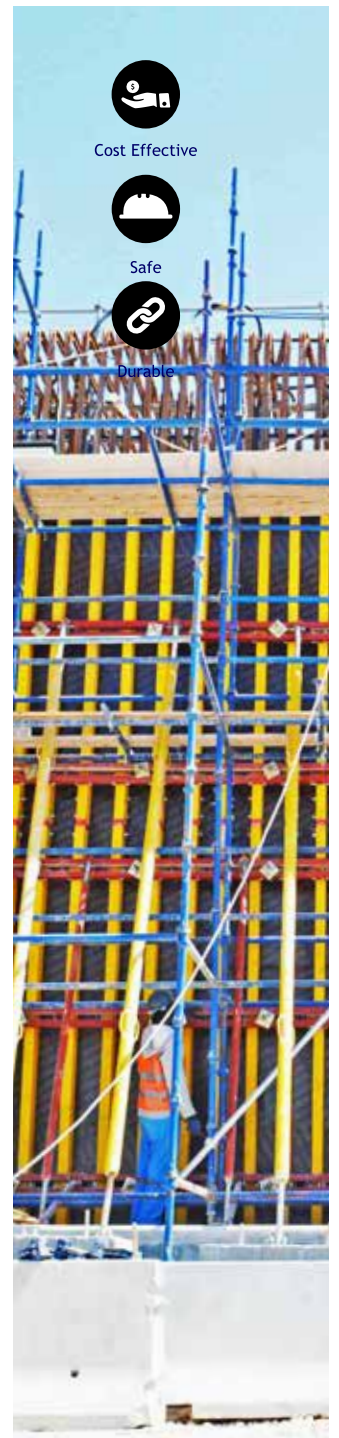
Cost Effective



Safe



Durable



Standard Components

Steel Waler 10 for Wall

Provide, support, tying locations in the panels, and alignment for the panel
Wall steel waler connected with H20 & Aluminum Beams Pecial clamps

Available in different lenth to meet design reauriments.



Steel Waler 10 for Column

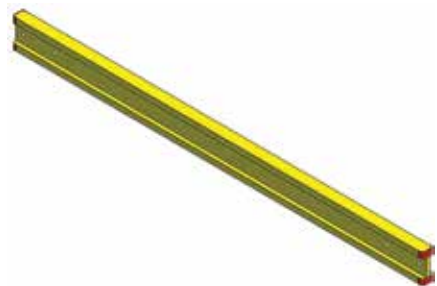
H20 Beams

The H20 formwork timber beam is a solid - Beam used for concret fromwork construction .

The height of beam is 200 mm & available in different standard lengths .

The webs made of 3 Ply laminated solid wood panels ensuring use in all climate zone .

The chords are made of superior quality smoothly surfaced and slightly chamfered .

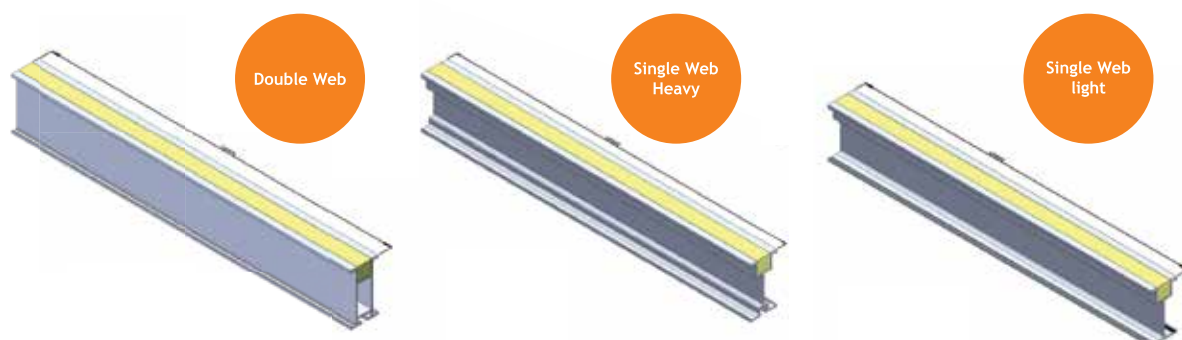


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Aluminum Beam

Aluminum Beams combine the benefits of strength, lightness and easy handling with consistency ,versatility and exceptional durabilty .

Aluminum Beams manufactured from high grade alloy (ALLOY 6082) . Available in two standard section .



Standard Components

Tilt up shores

Used for aligning and supporting against wind loads .

They are tension and compression resistant in picking up and diverting wind load.

Tilt up shore allows to have formwork perfectly vertical.

Tilt up shore can reach up to 4.8m formwork height.

Tilt Up Shores are available in different ranges to fit needed length and applied load.

Lift the inner tube to open or close the tube for specific needed length.



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Push Pull Props

Used for aligning and supporting the formwork. They are tension and compression resistant in picking up and diverting wind load.

Push Pull Prop allows to have formwork perfectly vertical.

Push Pull Prop available with different standard ranges as shown in technical data.

Push Pull Props are available in different ranges to fit needed length and applied load.

Turn the tube clockwise or counter clockwise to open or close the spindle to a specific needed length.



Lifting Eye for H20 Beam

For setting upright, transporting and hitting formwork panels.

Bolted on to the webs of H20 Beams.



Universal Angle Tie

For clamping the corner panels together.

Using with tie rod for fixing outside corners with needed angle.

The angle range between tie rod and Steel Waler from 230 to 640.



Standard Components

Steel Waler Splices for H20 Beam

For Connecting to panel at position of the Steel Waler, produces an aligned, compression and tension resistant tightening of the wall panels.

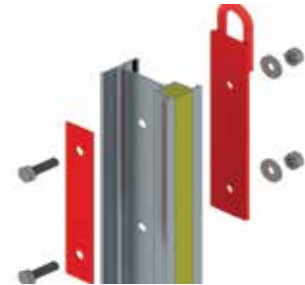
Panel splices joining to Steel Waler using rivet pin fast and easily.



Lifting Eye for Aluminum Beam

For setting upright, transporting and hitting formwork panels.

Bolted on to the webs of Aluminum Beams.

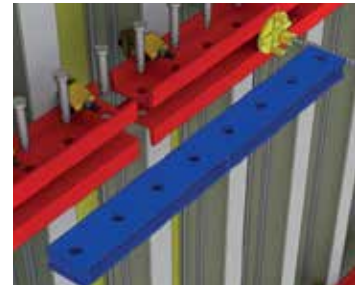


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Steel Waler Splices for Aluminum Beam

For Connecting to panel at position of the Steel Waler, produces an aligned, compression and tension resistant tightening of the wall panels.

Panel splices joining to Steel Waler using rivet pin fast and easily.



H20 & Aluminum Beam Access Bracket

Used for construction of pouring and services platforms helping labors in erection and pouring.

It is recommended to maintain the distance between two brackets not greater than 2.00 meters.

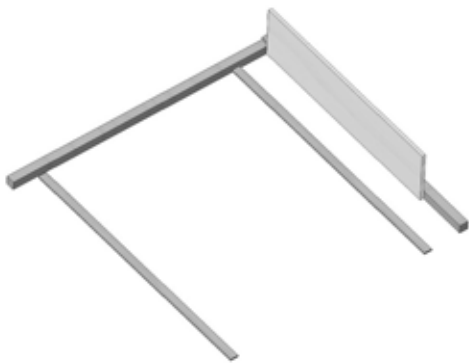
Max permitted live load 1.5 KN/m²



Erection Procedure

Step 1

Basic Assembly floor must be provided to assure the precise positioning of the soldiers & H20 beams .
Timber girder must be fixed on the floor to correspond to soldier spacing



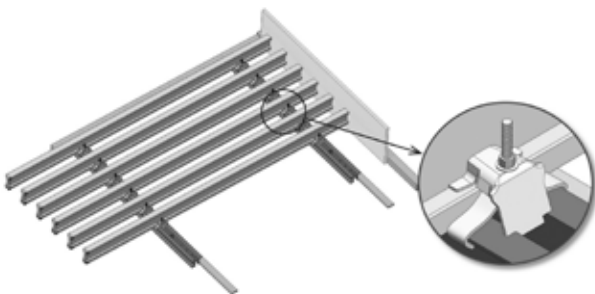
Step 2

Positioning the steel waler by timber girder spacing & level patterns



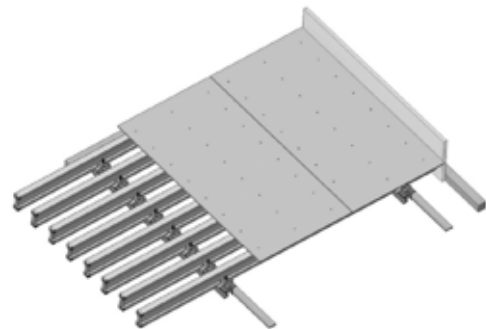
Step 3

Positioning the H20 beams in their positions & attaching the H20 beam to steel waler with the H20 beam Clamp



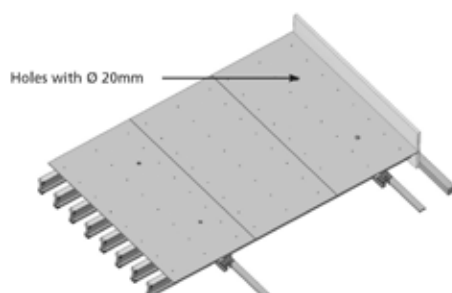
Step 4

Attaching the shuttering skin to H20 Beams with nails or screw nails .The H20 beams offer a firm base for nailing or screwing .



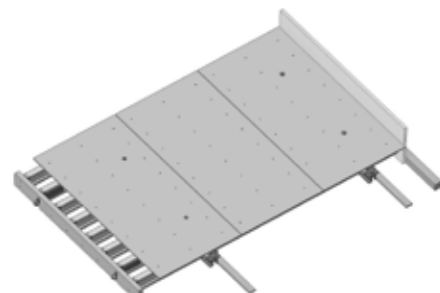
Step 5

Drilling tie holes in holes in their required positions by driller .



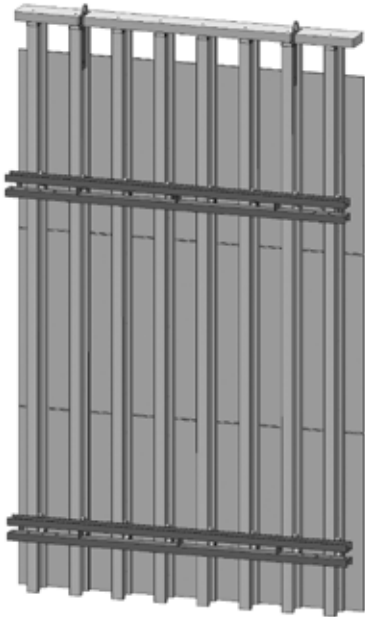
Step 6

bolting lifting eye into H20 & pressure bracing



Erection Procedure

Step 7 Resetting panel by crane



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Sketch Application for Systems

Column
Formwork



wall
Formwork



Corner wall
Formwork



H2O & Waler Projects

Project Name : Abu Rawash Water Tank

Contractor : Orascom for contractors
Year : 2020
System Used : H2O & Waler for walls



Time Saver



Durable



Safe



Cost Effective

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H20 & Waler Projects

Project Name : Administrative capital Water Tank

Contractor : Al.Fayed for Contracting

Year : 2021

System Used : H20 & Waler for walls



Time Saver



Durable



Safe



Cost Effective



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H2O & waler System



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