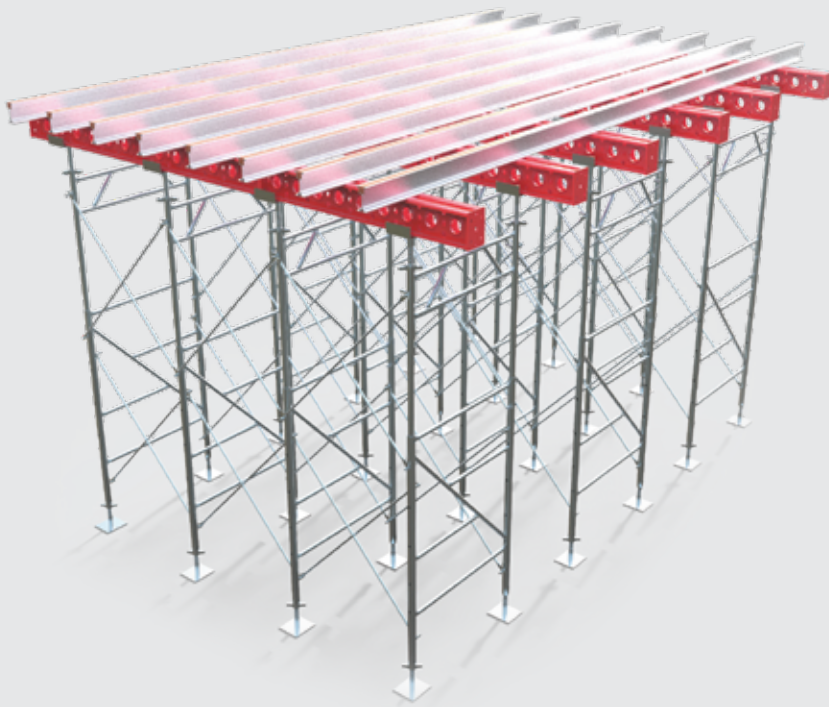




FORMWORK
SCAFFOLDING
TUBES
ROLL-FORMING
FORGING



*FORMWORK
SCAFFOLDING
SYSTEMS*

SINCE'2000

Shore Load
System

2024



FORMWORK
SCAFFOLDING
TUBES
ROLL-FORMING
FORGING

ABOUT US

WTD Industries is considered as one of the major manufacturers & suppliers of Scaffolding and Formwork in the Middle East, GCC countries and North Africa.

WTD is offering wide range of services such as formwork planning- including project analysis, detailed formwork study, initial cost estimation & computer-aided formwork planning with structural calculations-design, manufacturing, engineering services, sales, rental business & technical support after sales.

All WTD products adhere to international standards and undergo rigorous laboratory testing, including tests for safe working load requirements, deformation resistance, damage resistance, tensile strength, and stress tests.

In 2000, WTD Industries began its journey as a small steel factory in Tanta, Egypt, focusing on decorative steel frames under the name Nefertiti Forge. Over the following decade, our focus shifted towards scaffolding and formwork manufacturing, driven by collaboration with esteemed partners in the construction industry.

By 2010, WTD Industries had established itself as a prominent supplier of scaffolding and formwork in the GCC countries and North Africa. Our comprehensive production facility, spanning over 30,000 square meters in the Beni Sweif Industrial area of Egypt, was home to a workforce of over 150 engineers, technicians, and laborers.

In 2014, as part of our strategic growth plans, we inaugurated the WTD Misr factory in the Hamriya Free Zone of the UAE. This expansion aimed to bolster our sales network, meet market demand, and streamline material delivery across the Gulf region.

By 2017, furthering our capabilities, we established another factory in the 10th of Ramadan in Sharqia, Egypt, dedicated to scaffolding accessories. These strategic moves align with our ongoing mission to provide comprehensive scaffolding solutions to the global market.

In 2023, The road was paved to WTD Industries to flourish in Saudi Arabia, WTD Industries established شركة وتد حلول الانشاء المحدوده WTD Construction Solution LM. Company with two giant stores in Jeddah & Riya, then successes continued.

Such a success is the result of dedication and team spirit.

WTD FORMWORK & SCAFFOLDING SYSTEMS.

Over 20 Years of Trust, WTD remains offering the most economical formwork solutions for any types of construction project.

The values of our strong specialists & workforce are reliability, Accountability ,proficiency & highest commitment.

WTD perceives our team as an asset and a trustworthy success partner.

Customers satisfaction is our utmost goal.

As we measure our achievements against the success of our customers and their satisfaction by offering the most economical Formwork & scaffolding solutions.

Digitalization & Disruptive Innovation are WTD fundamental structures for sustainable success.

WTD organizational structure & consistent enthusiasm facilitate our local presence in many markets, our representatives are capable of providing the best services with excellence & maintain strong connections with our loyal customers.



M. Bastawesy

Eng. Mostafa Bastawesy
WTD President & CEO

WTD CORPORATION

EGYPT



UAE



KSA



INDIA



WTD Network

HEADQUARTER

El Sharqia Govern, Industrial Area- A5-10th of Ramadan city, Plot No.175.

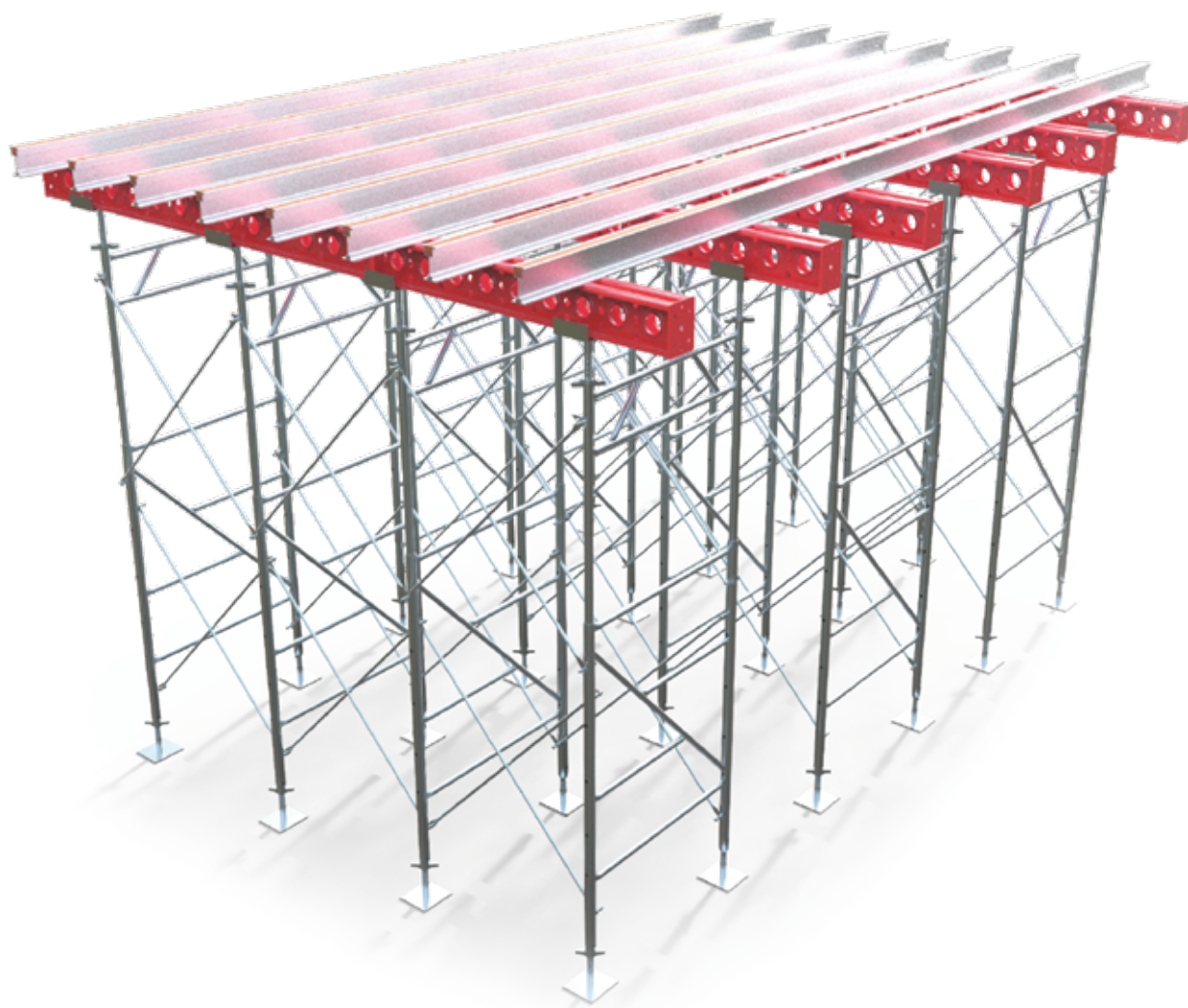


PIPE, COLD-FORMING & SCAFFOLDING
FACTORIES

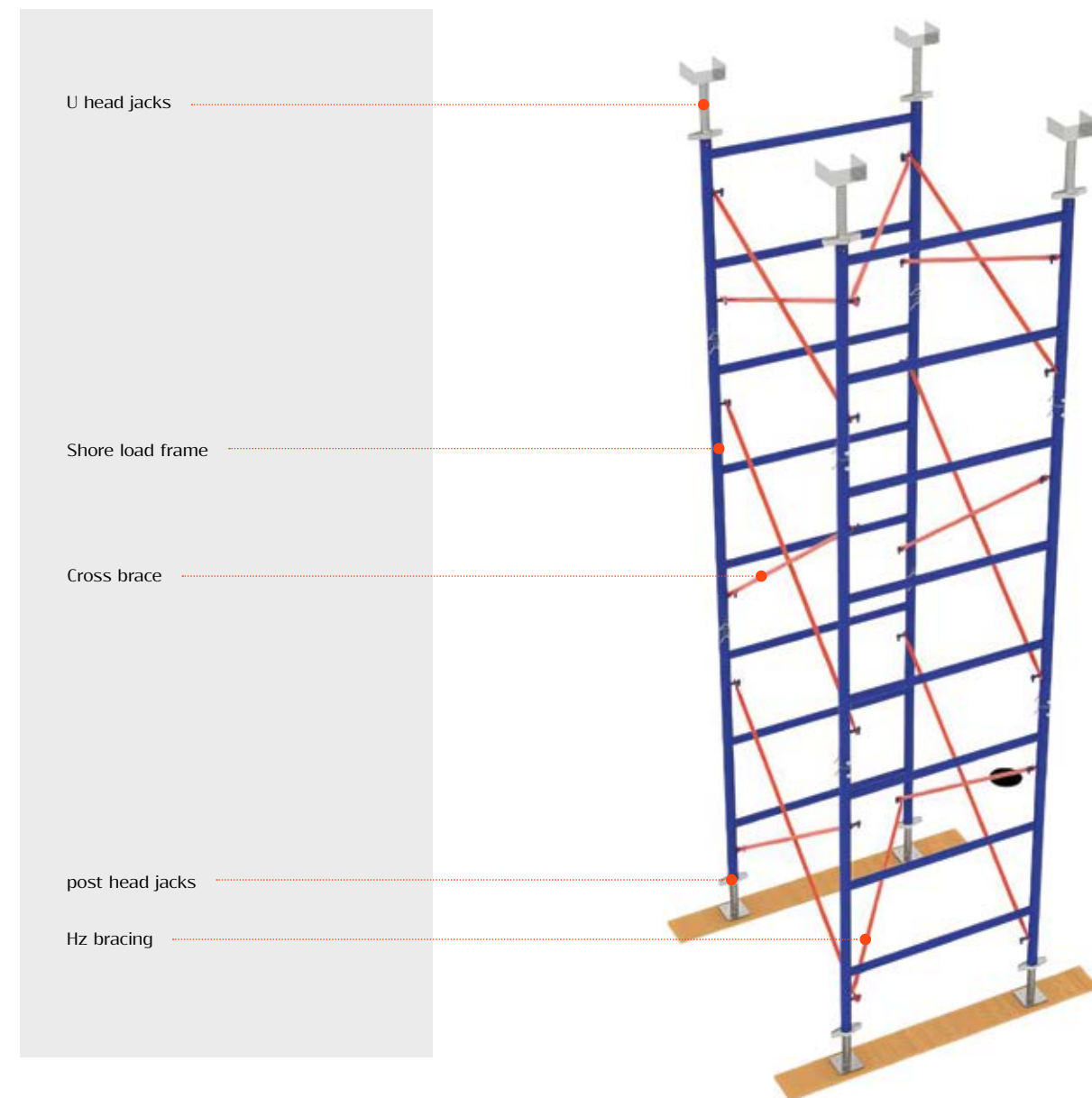


Beni Sweif Govern, Industrial Area, Metal Sector, Bayad Al-Arab,
Plot No. 26.

Shore Load System



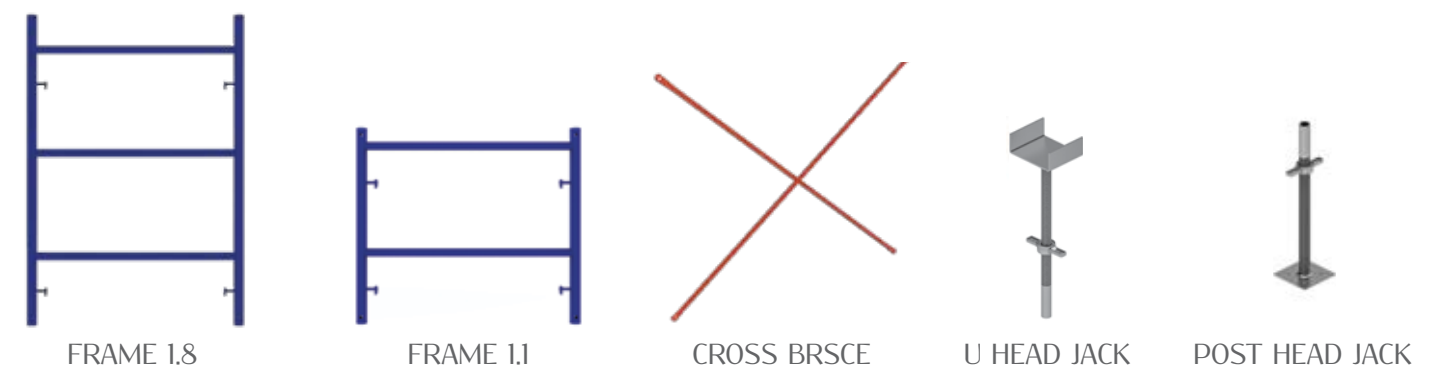
The shoreload system is used to support horizontal formwork when the formwork exceeds the maximum height that can be reached by the props. The system structure is basically comprised of its frame. These frame elements are assembled one on top of another until reaching the desired height. Using the different frame heights in combination with the base jacks. The following are the basic components in the shore load system :



- The system of load-bearing scaffolding SHORELOAD based on robust frames made of galvanized.
- The SHORELOAD has a wide range of applications in bridge-building, high-rise and industrial construction fields. The system supports different kinds of slabs cast in place (Thickness, heights, inclinations, etc.),
- SHORELOAD is also used for shoring of precast elements. SHORELOAD can be adjusted to different layouts and loads owing to variable interframe spacing.
- Assembly is easy, logical and fast, can be done by two workers. Individual adjustment of upper and lower supports is possible.
- High number of use cycles results in lower follow-up expenses.
- Small number of different parts is used
- No tools are required for assembly;
- Any architectural requirements to concrete slab design can be met;
- Can cover a wide range of practical applications.
- It can be horizontally pre-assembled and safely lifted and installed vertically due to inter-frame connections;
- Dependable stability.
- The inter-frame spacing can vary in order to provide necessary load-bearing capacity.

System adaptability:

- Excellent adaptation to different layouts due to variable inter-frame spacing;
- Upper and lower supports with a 50 cm extension range each for easier height adjustment;
- The system can be precisely adjusted to any length,width and height. Cost-effective;
- Rapid pace of work and cutting of assembly costs.
- The use of fewer elements speeds up assembly process.



COMPONENTS & ARTICAL LIST

ANSI / ASME B1993-1.201 ERW Products



Artical No.	Description	Weight
00000	Hollow 670mm 150×150mm	3.54kg
00000	Solid 670mm 150×150mm	6.00kg

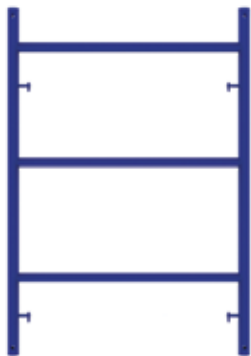
WTD Adjustable Base Jack

Adjustable base jacks are made of steel plate, screw jack and steel handle.
adjustable base jacks available in two types (Hollow and solid).
adjustable base jacks provide method of adjustment for WTD Cuplock structure.

Artical No.	Description	Weight
00000	1200mmx1800 mm	27.50 kg
00000	1200mmx1100 mm	19.00 kg

SHORE LOAD FRAME

This is the main tower element and it has two sizes- (180 cm, 110 cm high and 120 cm wide) Vertical tube diameter of 60.3mm, it works with the other elements creating the structure of tower to transfer load to the ground



Description	Weight
900 mm	3.35 Kg
1200 mm	3.80 Kg
1500 mm	4.70 Kg
1500 mm	5.80 Kg

WTD Cross Brace

Cross and Horizontal brace are considered as structure link of frame systems manufactured by steel tube ¾ inch 2mm thickness. cross and Horizontal brace have tow flat ends punched by two holes 18 mm dia to link the frame to each other.



Artical No.	Description	Weight
00000	Hollow 670mm 150×150mm	5.05kg
00000	Solid 670mm 150×150mm	7. 00kg

WTD Adjustable U Jack

Adjustable U-Head jack are made of a “U” shaped steel plate, screw jack and steel handle.
adjustable U-Head jack are available in two types (Hollow and solid).
adjustable U-Head jack are providing support for primary beams (traditional timber, steel, H20 beam and aluminum beam).



Wt ERW Steel Pipes & Tubes

COMPONENTS & ARTICAL LIST

Description	Weight
Type 1	5.35 Kg
Type 2	8.20kg

WTD Castor Wheel

Castor wheel is used for moving the mobile frame towers.



Artical No.	Description	Weight
00000	One Hole	0.73kg
00000	Two Hole	0.70kg
00000	BOLT Ø 8 L 80	0.20kg
-	-	-

WTD Square Spigot

Square Spigot Used to join one WTD Cuplock Standard to another vertically.
Bolt is placed transversely through the spigot and Cuplock Standard to prevent the spigot from pulling out of standard.

Code	Size mm	Weight Kg
308	48.0	0.43

Round Spigot Connector

Used to joint ShoreLoad to another coaxially
Bolt is placed transversely through the spigot and ShoreLoad in case of lifting the ShoreLoad structure.
In case of no lifting for ShoreLoad system, don't need to use bolts.
Std. Packing -25 Pcs/Bag, 1000 Pcs/Pallet.
Weight:0.43 kg
2 Bolt 8 0 L 0.20: 80 KG
Std. Packing -25 Pcs/Bag, 1000 Pcs/Pallet.



COMPONENTS & ARTICAL LIST

Artical No.	Description	Weight
00000	Plate Size 150×150mm	1.22kg
-	-	-
-	-	-
-	-	-

WTD Socket Base

Socket Base is used in combination with WTD Adjustable Universal Jack and is drilled to permit the insertion of a securing bolt if required.

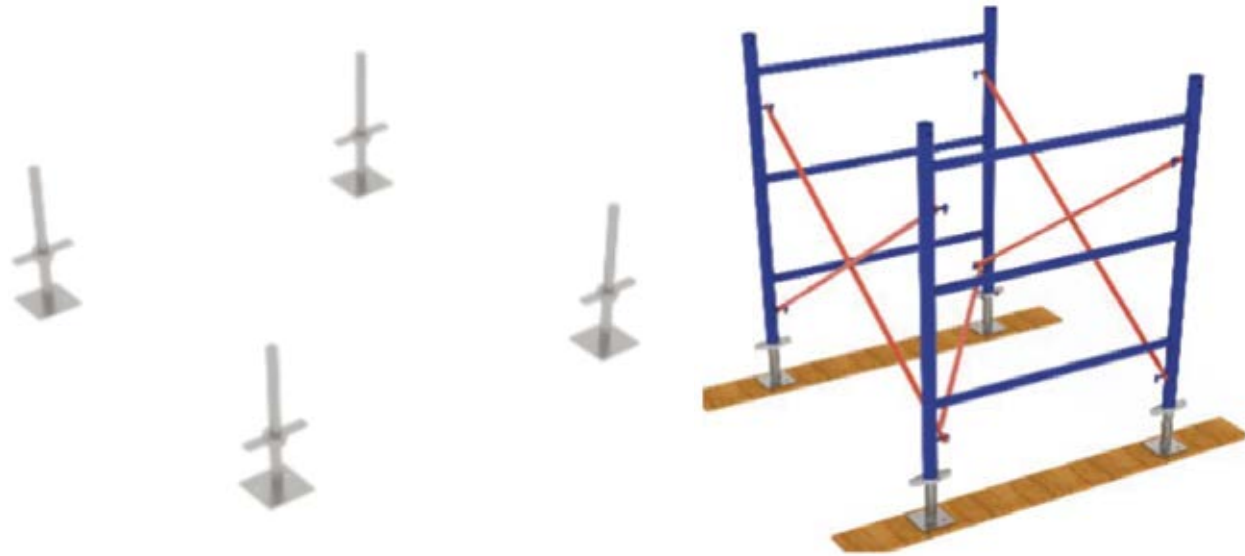


Description	Weight
Rivet Pin 7,5 cm	0.20kg
Spring Clip small	0.01kg

WTD Pins

Base Plate provides a flat support for WTD Cuplock structure. It uses as simple support for WTD Cuplock structure in case of no need adjusting level.

COMPONENTS & ARTICAL LIST



1. First, check that the ground is suitable and clear to provide a stable base and clear access for erection. The first four Adjustable Bases are placed in position.
2. Then two Frames are placed over two of the bases. Connect the frames with Diagonal Braces, placing the ends in the self-locking pivots of the frames...



3. Add Shoreload connectors on the first level frames and secure with Pins and Cotter Pins.
4. Lay the platform on top and secure against slipping. And Insert the Frame on the first level through the Shoreload Connector and Secure with Pins, and Cotter Pins. Stiffen with Diagonal braces, in accordance to provided measurement.

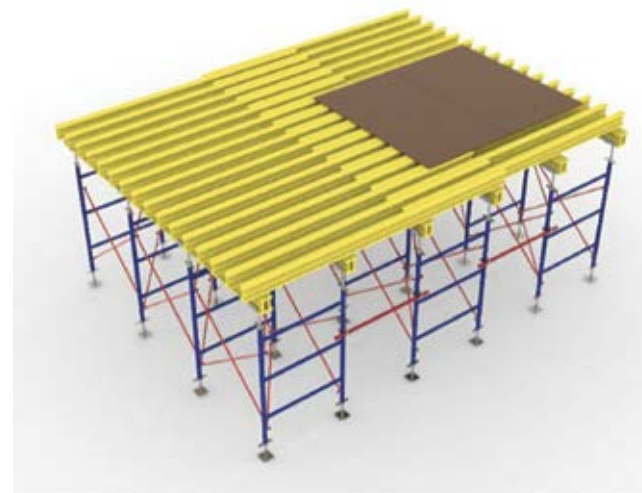


WTD ERW STEEL PIPES & TUBES



5. With several levels, preassemble them with Frame Connectors and Diagonals set down with the crane on the level already standing and secure

6. Assemble the same steps in both directions



7. Place U head jacks | UHJ into the telescopic frames accordance to provided measurement and add the secondary and main elements.

MAIN FEATURES

Shore load use different types of primary and secondary beams as needed allowing the possibility of using existing material in the sets.



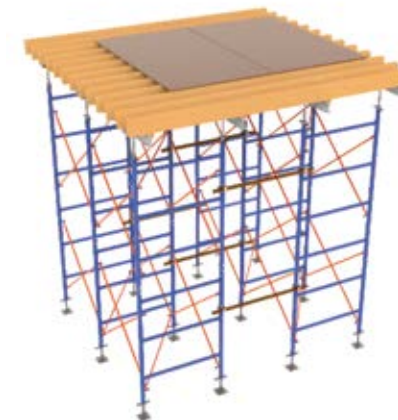
Secondary: H20 Beam
Main: H20 Beam



Secondary: Timber Beam
Main: Timber Beam



Secondary: Timber Beam
Main: H20 Beam



Secondary: Timber Beam
Main: Aluminum Beam

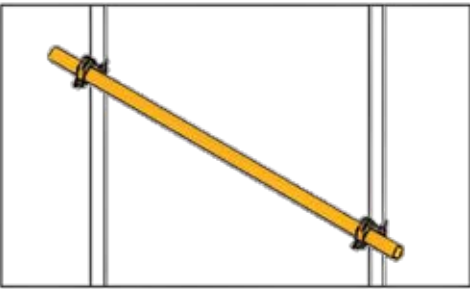
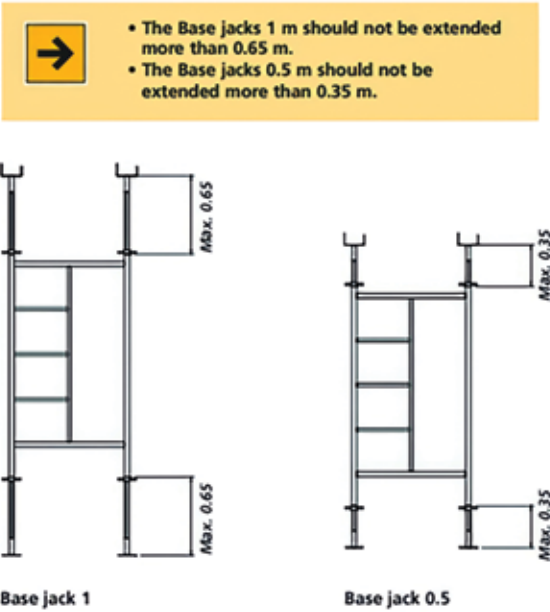


Secondary: Aluminum Beam
Main: Aluminum Beam

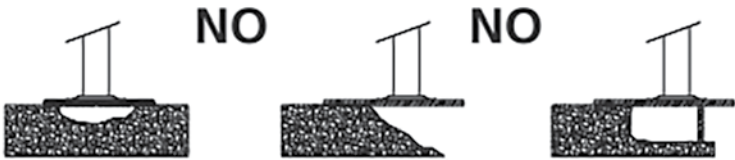
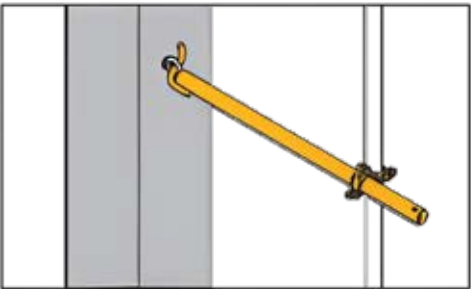
INFORMATION FOR ASSEMBLY

Preassemble the shore load supports according to the required combinations as described.

- pre-adjust head and base jacks at rough
- extension lengths; make sure that the adjusted length of the jacks must have enough reserve to release the load.
- Load-distributing planks under the base jack must be provided.
- Base jacks may only stand on even ground with permitted inclination of the foundation up to maximum 6%.
- if required for structural reasons install bracing (scaffold tubes with couplers).
- for stability reasons during erection and stripping, use scaffold tubes according to the structural calculation, connect them to all neighboring shore load frame supports with rigid couplers, it is recommended to connect the tubes of the bracings to existing walls, columns, piers, etc..



final height adjustment should be performed at the head jacks after placing the primary beams.



The shoring tower support must be horizontal with a flat surface and stable base.

Do not replace any of the shoring components with components of other products.

The load applied over the tower will be vertical and centered. Horizontal loads shall not be exerted on the shoring.

CRITERIA FOR ELIMINATING NON-VALID PARTS:

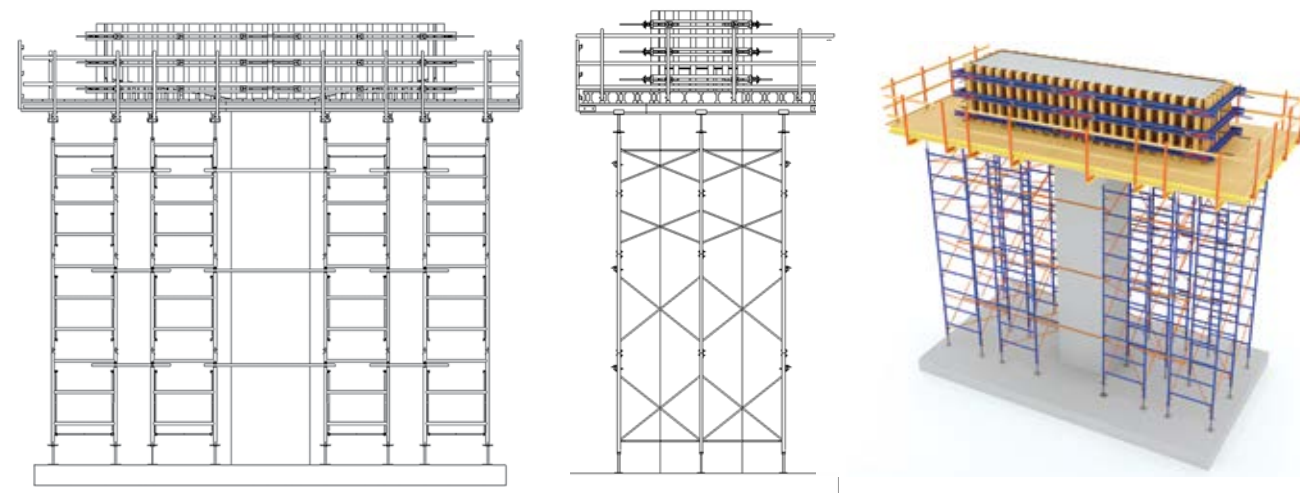
Provided below is the criteria for identifying elements that are considered not valid for use because they imply a risk of accidents to the operators who are handling the material or a risk of breakage to some part on the prop when it is loaded.

COMPONENT	DEFECT
Frame	Cut leg, bent or unsquared item.
Crossbrace	Exceed displacement or tear in the ends hole 5.
Base Jack	Thread damaged and prevents the turn.
Base plate	Non straighten deformation that prevents to assembly the Base jack or the Frame's leg.
Head	Exceed deformation, non straighten.
Platform	Deformed hooks, with fissures or breakage; deformed flatness or twisted in excess.
Tube	Exceed deformation.
Coupler	Nut-Screw damaged and prevents turning and tightening. Deformed cover and doe5n't embrace the tube.

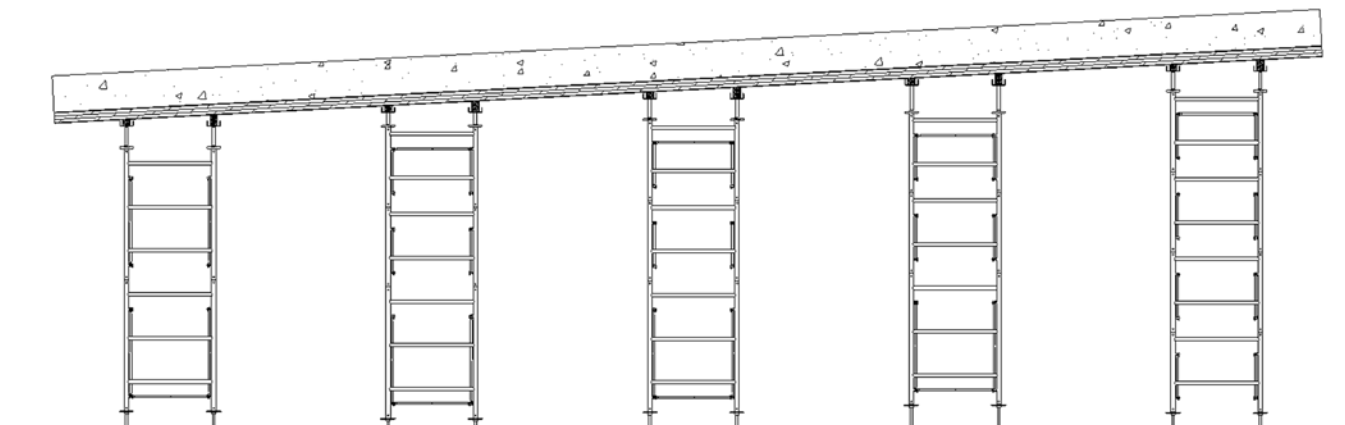
APPLICATIONS

Application Sketches in Different Structures

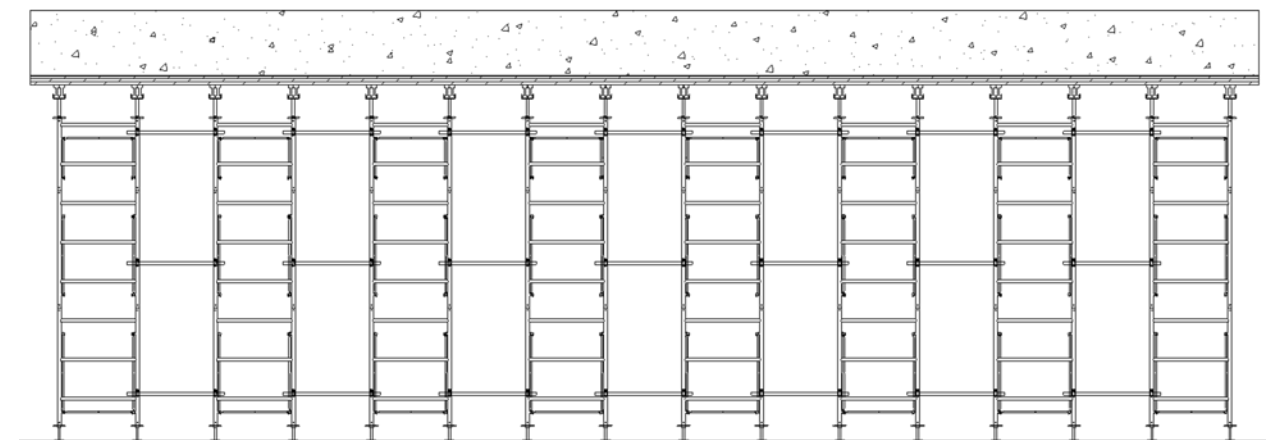
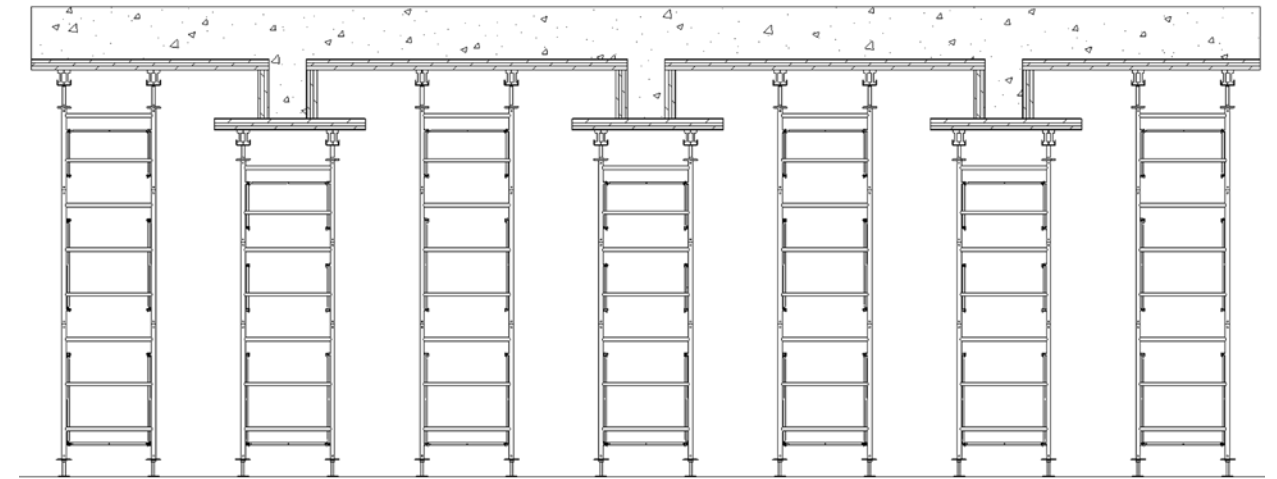
Special structure: Piers



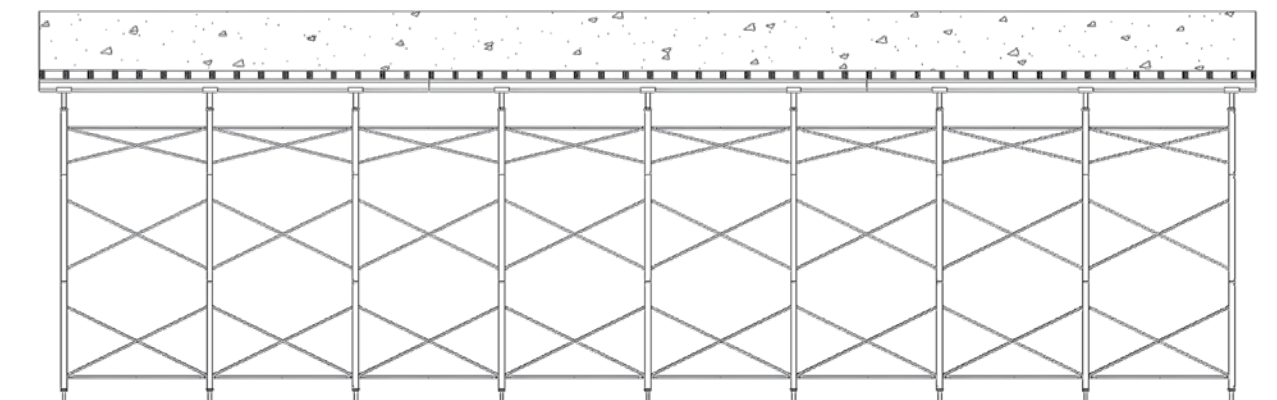
Ramps

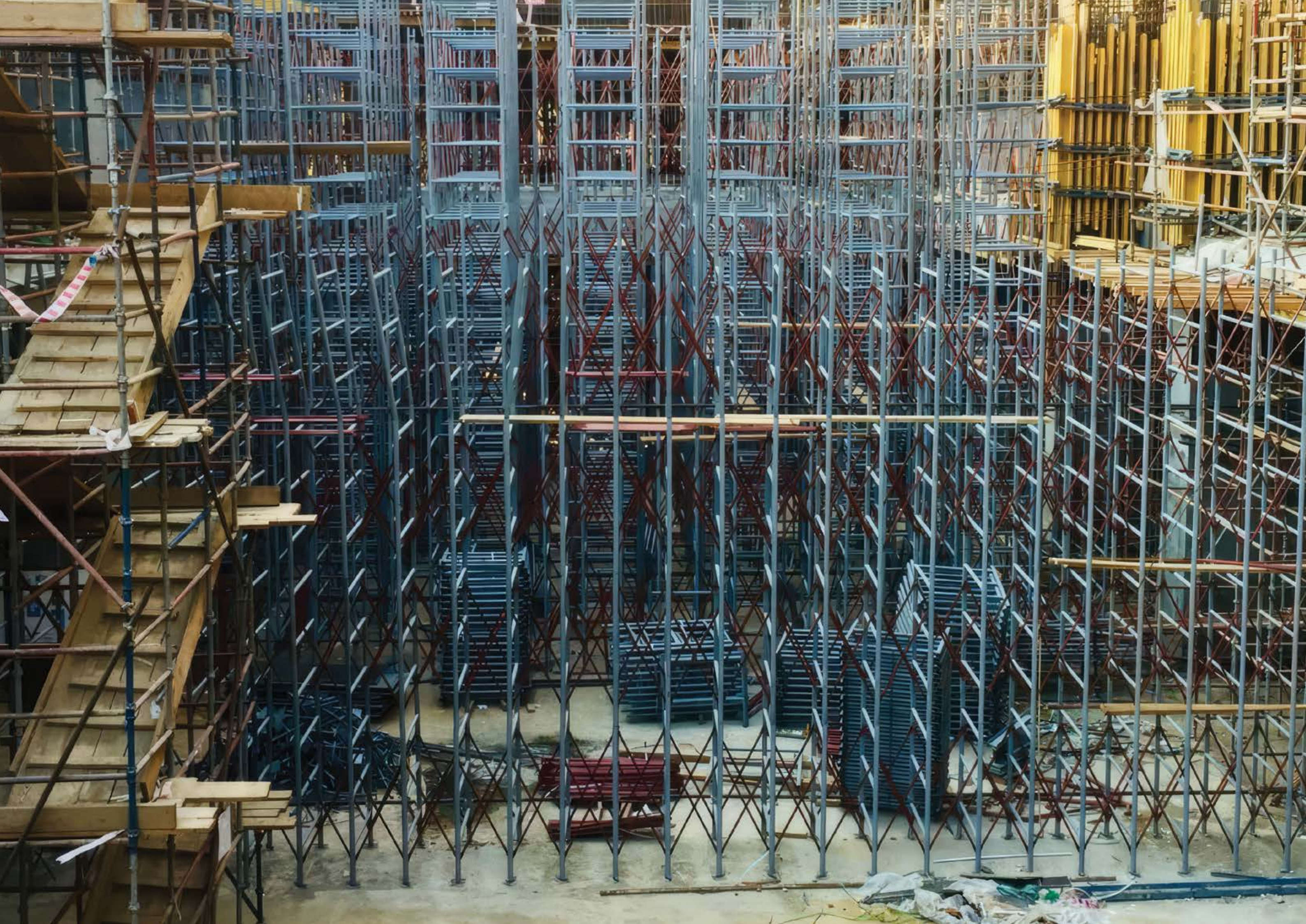


ORDINARY STRUCTURES:



Heavy load structures:





Shore Load System



WTD OFFICES WORLD WIDE



EGYPT

TURKEY

UAE

SAUDI ARABIA

INDIA

RELATED SYSTEMS

1. WTD Smart Beam
2. Waler System
3. Cuplock System
4. H-Frame System
5. **Shore Load System**
6. Steel Blank
7. ERW Steel Pipes & Tubes
8. Accessories
9. Column Clamp
10. Staking System
11. Circular Column



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