

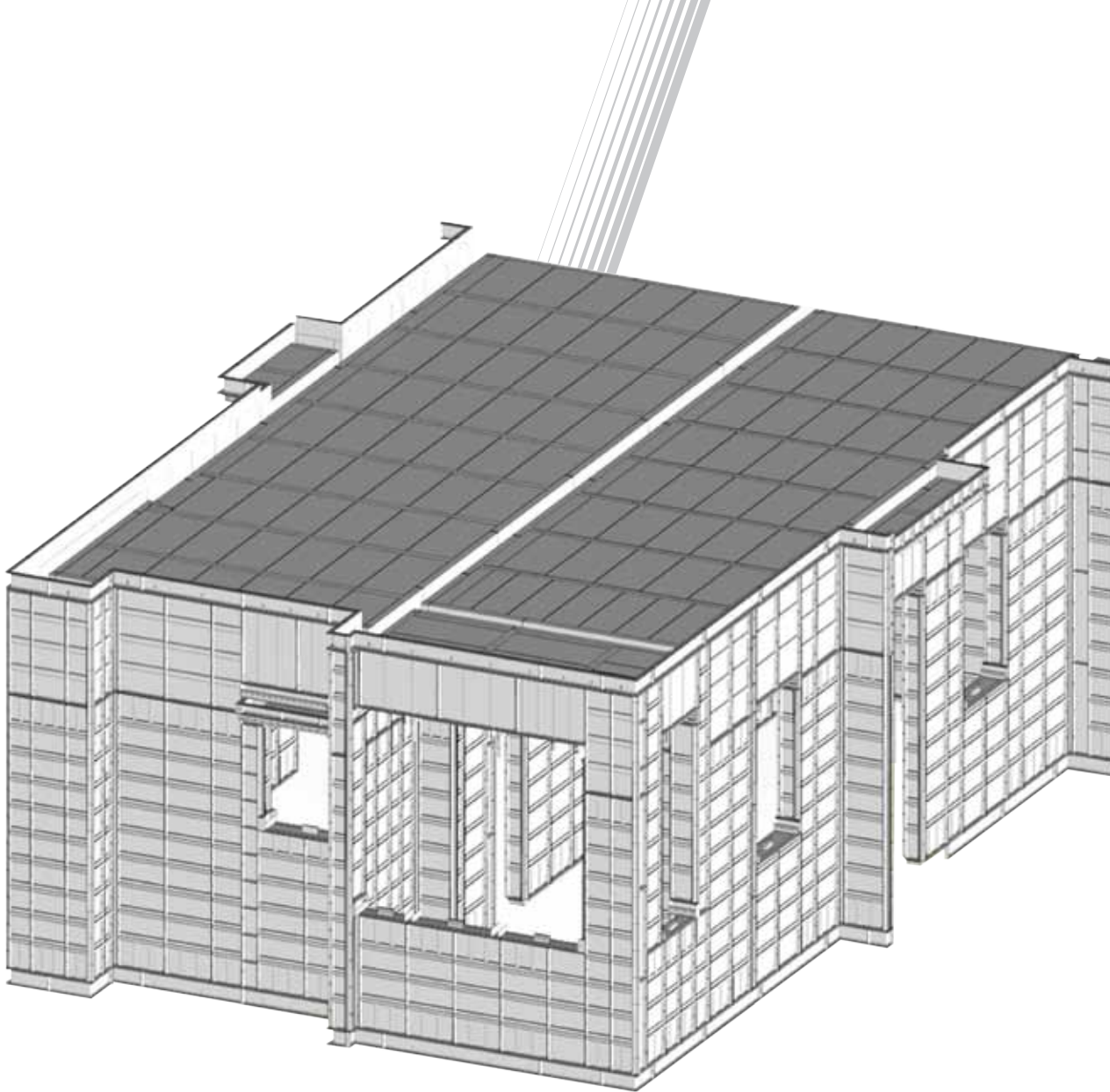


NEXATECK FORMWORK SOLUTION

DESIGNED & QUALITY FOR COST PLEASURE

DEALS IN : ALUMINIUM FORMWORK SYSTEM, ACCESSORIES DESIGN & SUPPLY





About Us

Nexateck Formwork Solution is a fastest growing organization in India, Specialized in formwork system, particularly Aluminium Formwork System.

Since 2011, our core aluminium formwork experienced team created an identity by providing our Client with continued product innovation, good quality and services. Our clients get the best Formwork solution for their construction project in the shortest possible time From design, through to implementation, Nexateck Formwork Solution offers a full range of services and support, including comprehensive formwork design using our in-house design software Auto CAD and experienced on-site support.



FORMWORK SOLUTION FOR MODERN CONSTRUCTION

Aluminium formwork system which is use to pour, RCC-framed multi-storied building's walls, column, beam, slabs and staircase in the single operation. These increases efficiency and also produces an extraordinarily strong structure with excellent concrete finish. Plumbing and electrical fittings to be prefabricated with the certain knowledge that there will be an exact fit when assembled.

FEATURES OF NEXATECK FORMWORK SOLUTION

Speed

Ease in Shuttering / de- Shuttering and ability to perform monolithic concreting for any structures gives "Aluminum Formwork System" a superior advantage of speed. Using Aluminum Formwork System technology floor to floor cycle of seven days can be achieved.

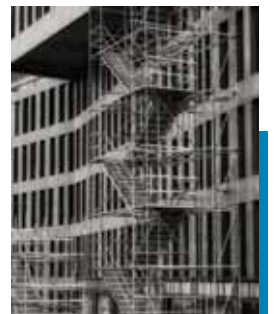


Safety

A lot of importance is given to safety while designing the "Aluminum Formwork System" External brackets are provided which are fixed along the periphery of the structure at two levels for safe Erection and De- Shuttering of External Formwork.

Easy Material Handling

Light weight of the system ensures smooth flow of the component without the use of any External material Handling Equipment such as cranes and super decks as the Formwork Components can be easily transported to next level by a single person manually.



Highly Versatile & Durable

High Quality Aluminum alloys are used to manufacture "Aluminum Formwork System" with the highest standards of manufacturing methods and practices enabling the consumer to achieve as many as 150+ usages, under Ideal conditions and proper handling.



Less Dependency on Skilled Workers

"Aluminum Formwork System" is made of lightweight Aluminum alloy which allows the big and small components to be hand carried and setup. Due to the elaborate Design and Drawings provided to the clients, erection old formwork can be achieved by unskilled workers with ease and accuracy.

Quality

"Aluminum Form System" is manufactured with precise tolerance providing High quality Formwork components which ensures the consistency of architectural dimensions.



Ease of Erection & De-Shuttering

A lot of Emphasis is given to the erection and De- Shuttering time of Formwork. Vertical and Horizontal members are locked through pins and Wedges. Vertical Formwork Components can be removed in 24 Hours and Horizontal Formwork Components can be removed in 72 Hours without disturbing the props so that the Formwork Components can be used for the Subsequent floors with second Set of Props.

Quick Strip Prop Head

One of the principal technical features which enables this speed to be attained using a single set of formwork panels is the unique V shaped prop head which allows the 'quick strip's to take place whilst leaving the propping undisturbed. The deck panels can therefore be reused immediately.



PIN & WEDGE System

The panels are held in position by a simple pin and wedge system that passes through holes in the outside rib of each panel. The panels fit precisely, simply & securely. Buildings can be constructed quickly and easily by unskilled labour with a hammer being the only tool required to setup pin wedge.

ALUMINIUM FORMWORK v/s CONVENTIONAL FORMWORK

Sr. No.	Characteristics	Aluminium Formwork	Conventional Formwork
1	Material	Aluminium Alloy (T6-6061)	Plywood, Timber & MS
2	Cycle Time	7-9 days slab cycle	15-18 days slab cycle
3	Surface finishing	Excellent. Plastering is not required	Rough. Plastering is required
4	Pouring	Pour column, Beam, wall & slab in one go.	Can't Pour column, Beam, wall & slab in one go.
5	Formwork Pre-planning	Required	Not required
6	Wastage of Formwork material	Very less	In great amount
7	Accuracy in construction	Accurate construction	Accuracy is less than Modern Systems
8	Removing of slab forms without removing props	Possible	Not possible
9	Repetition	200-250	Maximum 15
10	Suitability for high rise construction	The most suitable	Not suitable
11	Economy in Construction	Economical for mass	Economical on the small scale
12	Skilled Labour	Not require	Required
13	Environment Friendly	Yes	No

WHY T6-6061

Aluminum ALLOY 6061-T6 is one of the most versatile of the heat-treatable alloys, is popular for medium to high strength requirements and possesses good to toughness characteristics. 6061-T6 has excellent corrosion resistance to atmospheric conditions and good corrosion resistance to sea water.

Applications of 6061 Aluminum Alloy

- Truck frames.
- Military and commercial bridges.
- Ship building operations.
- Transport operations.
- Rail coaches
- Aerospace applications (i.e. helicopter rotor skins)
- Rivets
- Towers and pylon

CHEMICAL COMPOSITION OF ALUMINIUM ALLOY T6 -6061

Chemical Element	%Qty	Chemical Element	%Qty
Aluminium (Al)	95.8	Copper (Cu)	0.4
Manganese (Mn)	0.15	Zinc (Zn)	0.25
Iron (Fe)	0.7	Titanium (Ti)	0.15
Magnesium (Mg)	1.2	Chromium (Cr)	0.35
Silicon (Si)	0.8	Other (Each)	0.05
Others (Total)	0.15		

PHYSICAL & MECHANICAL PROPERTIES

Material	Property	Unit	Values	Used
Aluminium Alloy 6061-T6	Density	Kg/m ³	2710	Used as stiffener for wall & slab panel and for main beam, end beam
	Tensile Strength	Mpa	280	
	Yield Strength	Mpa	235	
	Modulus of Elasticity	Mpa	68900	

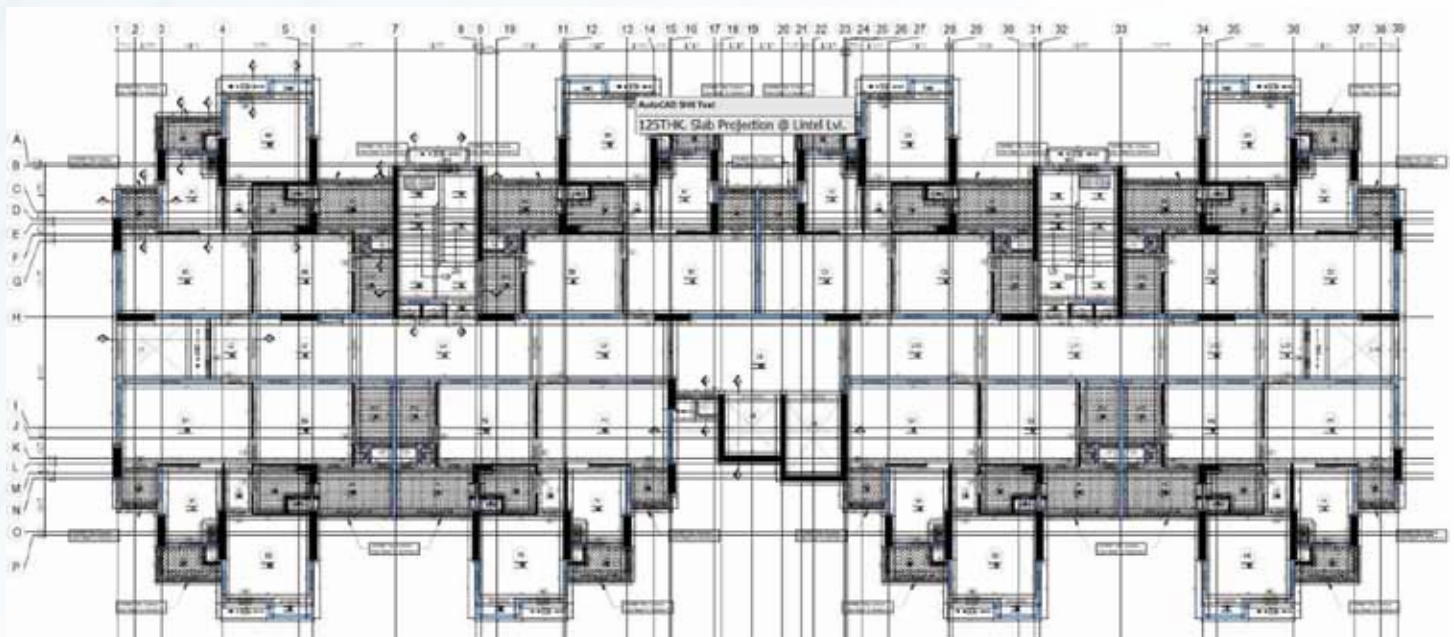
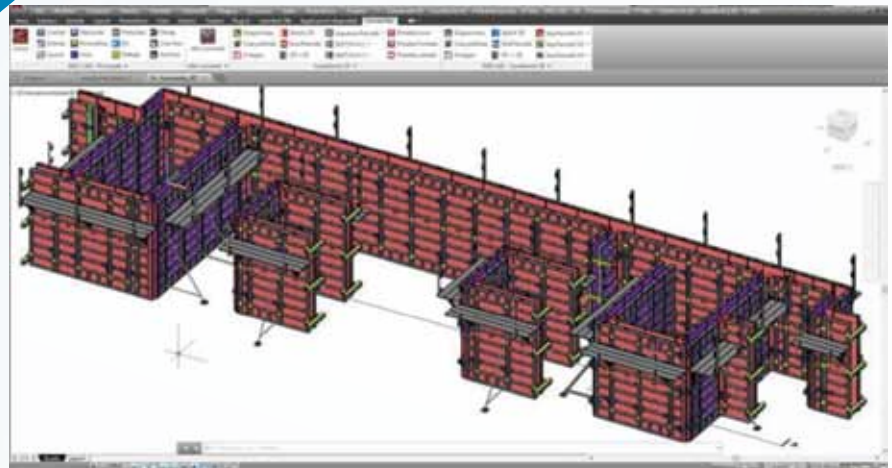
PHYSICAL & MECHANICAL PROPERTIES

Material	Property	Unit	Values	Used
Mild Steel E-250	Density	Kg/m ³	7850	Used for Props, Wall & Slab attach brackets & wailer.
	Tensile Strength	Mpa	410	
	Yield Strength	Mpa	250	
	Modulus of Elasticity	Mpa	210000	

NEXATECK FORMWORK SOLUTION DESIGN & DEVELOPMENT

With Highly experienced, motivated and dedicated designers along with latest designing software, "Nexateck Formwork Solution" continues to strive for the most efficient formwork design, not only to cater for the most intricate architectural and structural details, but also to ensure that the design will be operationally the most efficient and cost effective.

Through the unparalleled experience of our design & development team, even the most complicated projects can be design in such a way as to make site installation a fast, routine process.





We use the most advanced automated system, skilled labors and the latest computer technology to manufacture the best aluminum formwork system. Our experienced production team combined with advanced machinery results in unparalleled durability of our shuttering. We have the capacity of 190,000 m2 to manufacture yearly.



Cutting Shop



Press Shop



Punching



Friction Welding Machine



Fitting Shop



Weld Shop



Cleaning



Quality Table



Grinding



Scanning



Lacquer Coating



Logistics

DESIGN TEAM

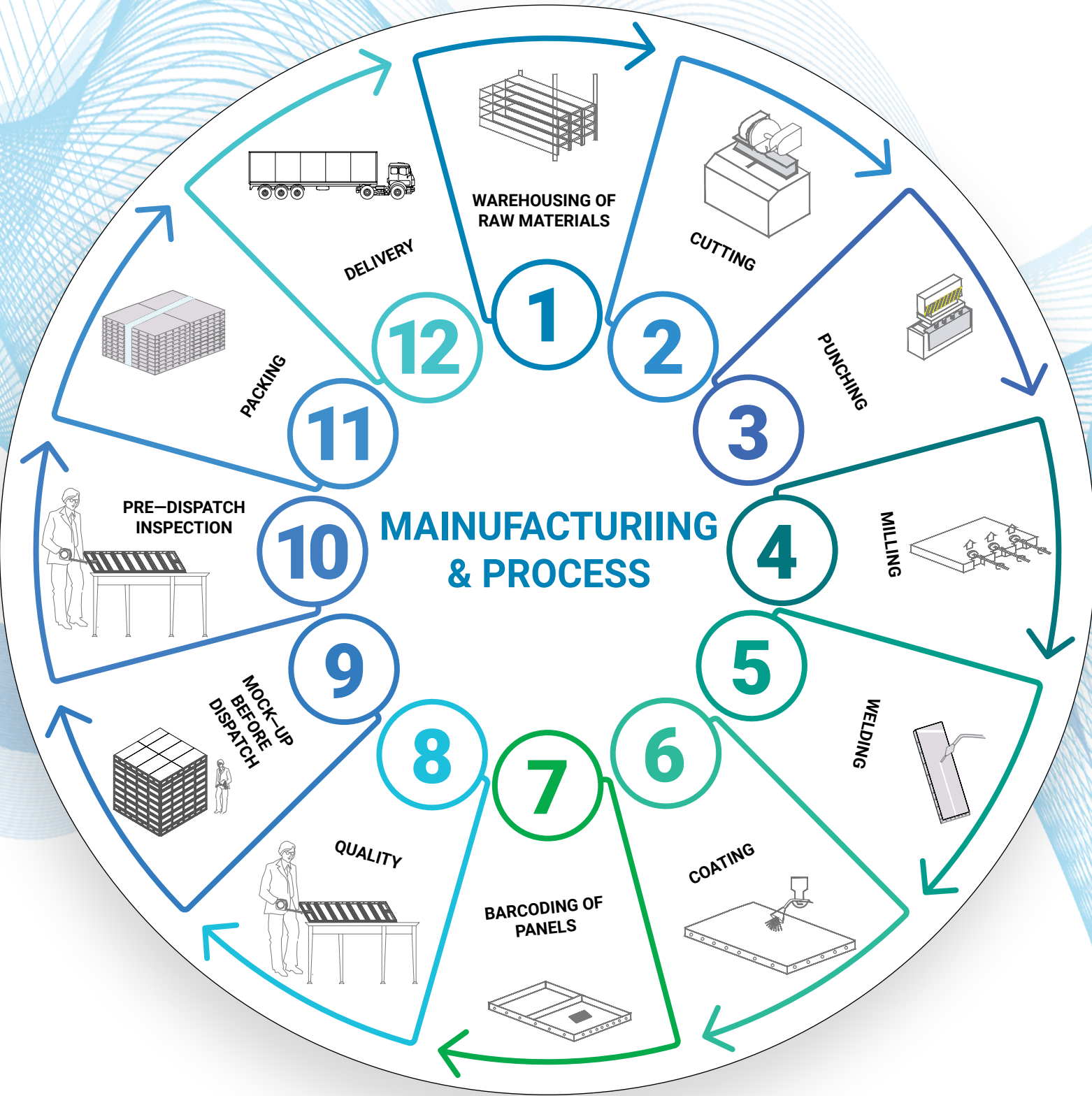
Nexateck Formwork Solution family present with the best marketing & Design team, which are seated at our head office Noida.

Our marketing team is continuously working on Market Research & Development to provide the best solution in the arena of formwork to build the relation with potential client.

Our design team is more than 10 years experienced in the field of formwork designing. We have done lots of precious projects with the best formwork design solution.

Our Marketing & Design team develop a healthy market with the complete formwork solution to achieve the organizational goal.





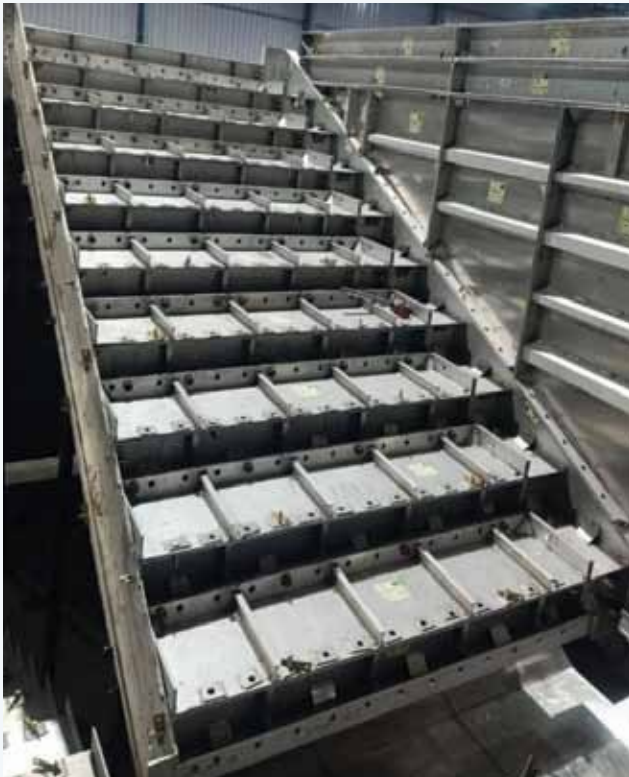
EXPERTISE IN SPECIAL COMPONENTS



Capsule Column with Waller



Round Column with Waller



Staircase Mockup



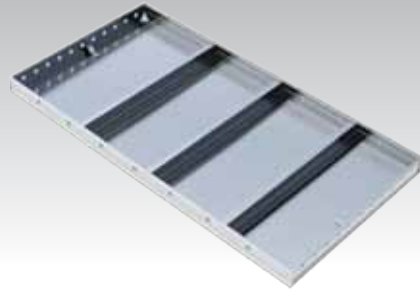
Staircase Finishing

COMPONENTS OF PRODUCT



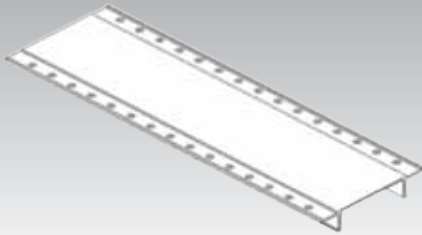
Wall Panel (W)

2400 x 600 mm
2050 x 600 mm



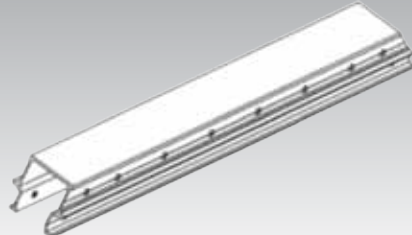
Deck Panel (D)

1200 x 600 mm
1000 x 600 mm



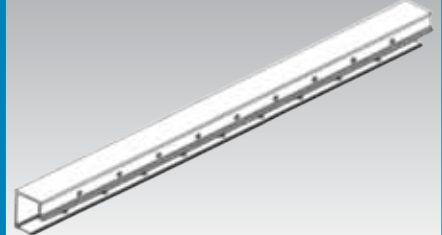
Beam Bottom (BB)

1200 x 600 mm
1000 x 600 mm



**Mid & End Beam
(MB & EB)**

MB & EB is use in formwork system in order to join the prop heads. It also supports the slab panels for a strong base.



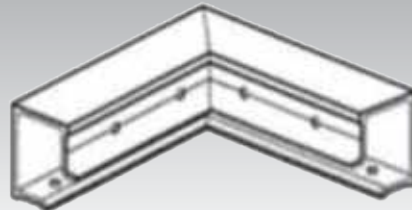
Soffit Length (SL)

SL use in aluminum formwork system for connecting wall panel and slab panel together.



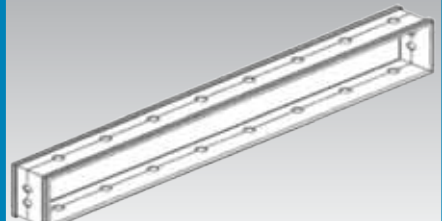
External Corner (ICE)

ICE is use for a connection between wall panel and slab panel from outside.



Internal Corner (ICI)

ICI is use for a connection between wall panel and slab panel at inner side.



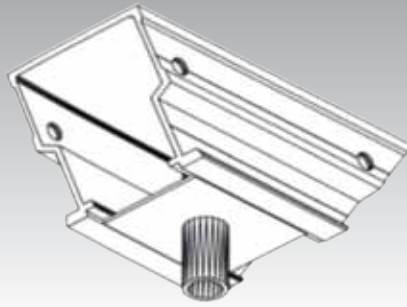
Kicker (K)

It is use to provide the horizontal base to outer wall panels.



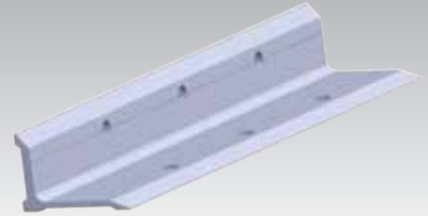
Column Corner (CC)

It is use to join the wall panels at inner corner of two walls.



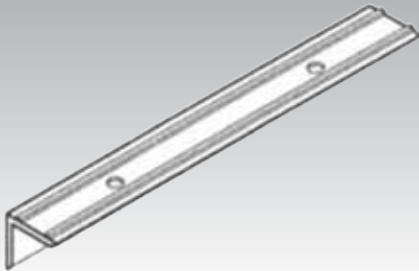
Deck Prop Head (DPH)

Used to join the beams together (MB & EB), the pipe support will be placed under the prop head



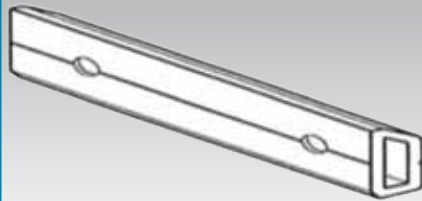
External Corner Angle (ECA)

It is use to join the wall panels at outer corner of two walls.



Rocker (RK)

It use at bottom of inner wall panel.



Soldier Tie (ST)

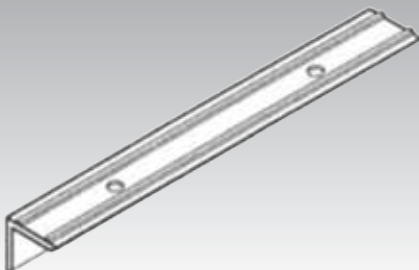
ST is use to join the prop heads with the middle as well as end beam.



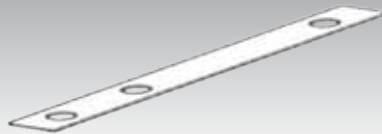
BKS

It is use to join two kickers.

ACCESSORIES



Wall Attach Bracket



Wall Tie



UPVC Wall Tie Sleeve



Pin & Wedge

It is the joining component of all other wall component



Long Pin (127)



Tie Rod



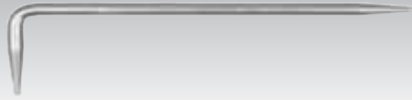
Anchor Nut



Nut, Bolt & Washer



Wall Tie Puller



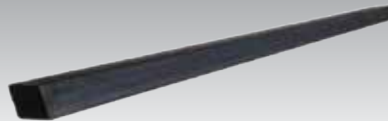
Hole Bari



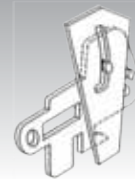
Panel Puller



H-Waller



Square Tube



Waller Clamp

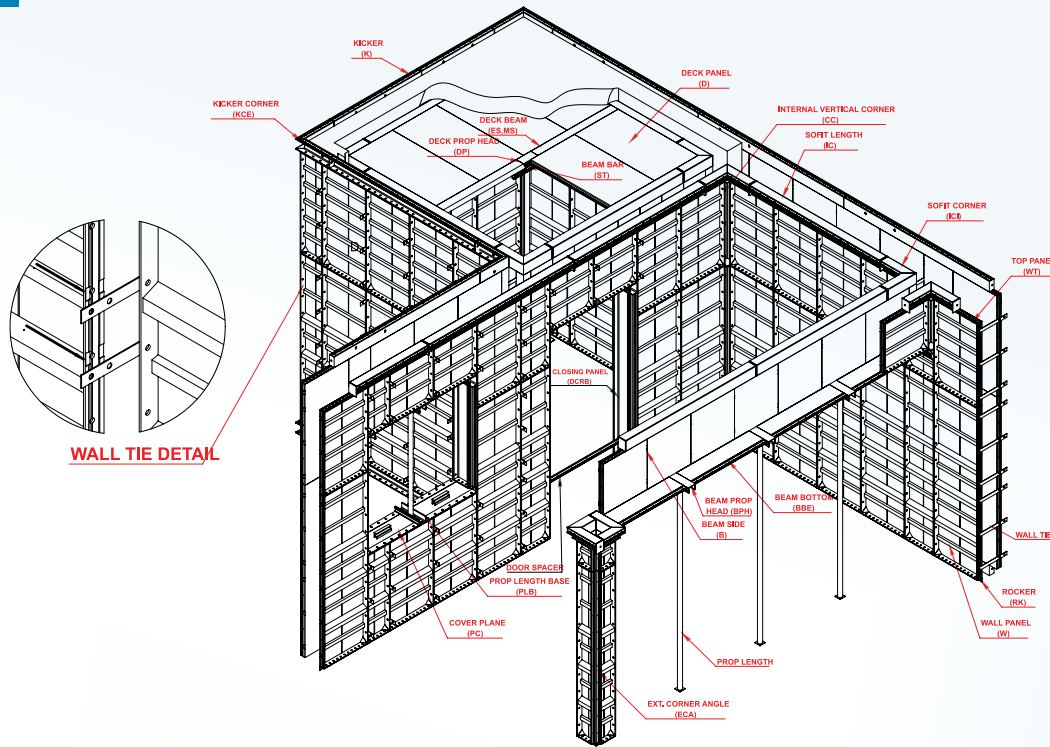


Supporting Props

Outer member made from 60mm OD &
Inner member made from 40mm OD.

Height In Meter

Size	Closed	Extended
1.5 X 1.5	1.5	2.7
1.5 X 2.0	2	3.2



ON - SITE SUPPORT & COINTINUOUS PROJECT ASS1STAINCE

Our qualified site support team must assure that the formwork delivered is manufactured as per the client's design, so that no time is lost during its installation but under a safe working environment. Our experienced supervisors always check whether the formwork system is assembled and installed properly.

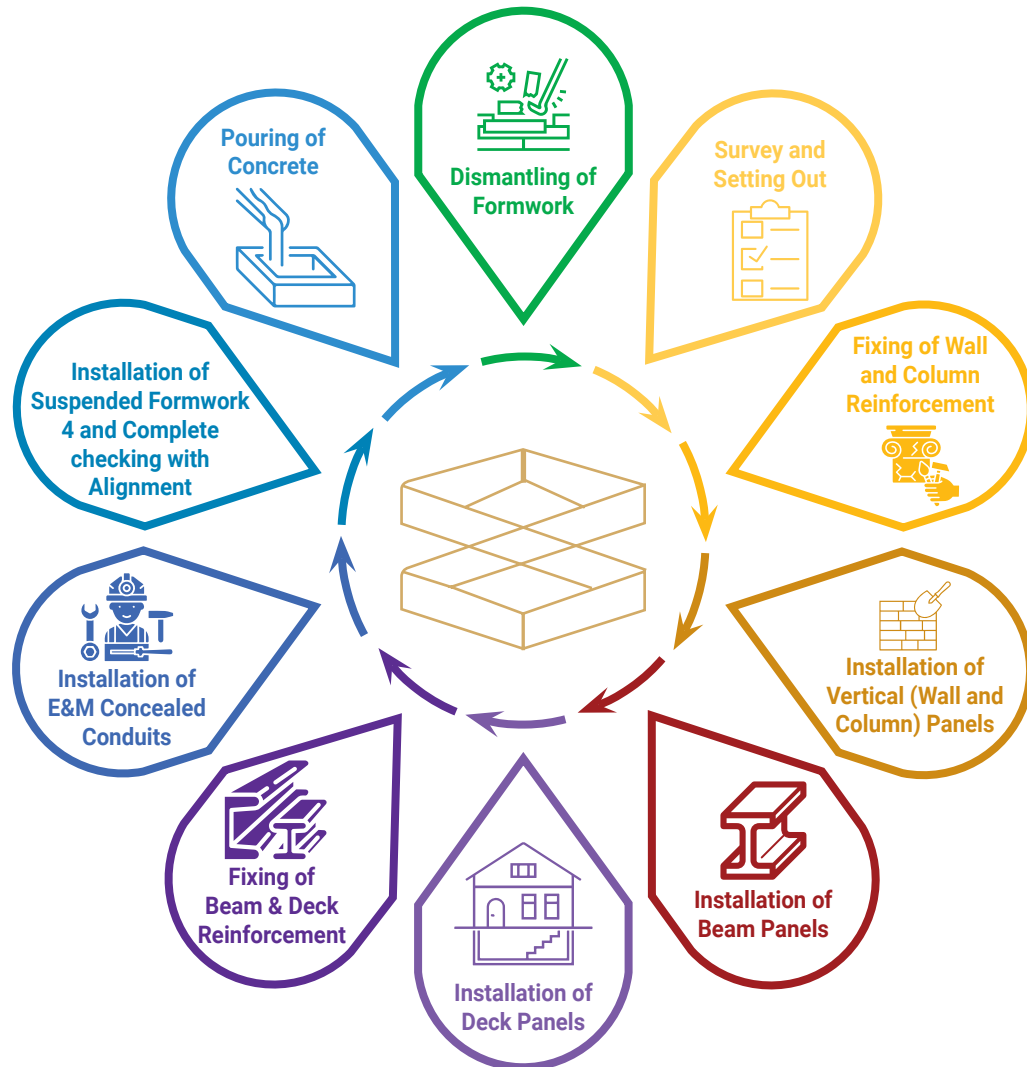


Scope of Work:

- Site inspection for site conditions.
- Orientation for workers.
- Checking of material.
- Execution under Nexateck Formwork Solution Supervision.
- Daily tutorials at site.
- Ensuring achievement of desired cycle time.



ERECTION PROCESS OF NEXATECK FORMWORK SOLUTION



SEVEN DAYS CYCLE

Setting out and grid formation,
Striking / deshuttering of wall
formwork of previous slab, Steel
binding of column after lineout,
Electrical conduiting and services
sleeves, External bracket fixing



Steel binding of Wall & Column
complete, Electrical conduiting &
services sleeves, Starting of Wall /
Column shuttering, Deshuttering of
Beam & deck soffit in previous slab

Starting of Beam / Deck formwork,
Checking of Wall verticality



Checking of Deck formwork
levels, Reinforcement
binding of Deck

Deck reinforcement binding
complete, Hanging shuttering &
kicker fixing, Electrical conduiting &
services sleeves in slab / Beam



Electrical Conduiting /other sleeve work in slab
complete, Fixing of outer shuttering & Outer
soldier fitting, All internal & external supporting
work, Mortar packing in bottom of vertical
formwork to arrest bleeding, Checking complete

Remove extra material from slab,
Concreting arrangement, Casting
of Slab



DAY 5

DAY 6

DAY 7

ASSEMBLING PROCEDURE AT SITE

STEP NO-01

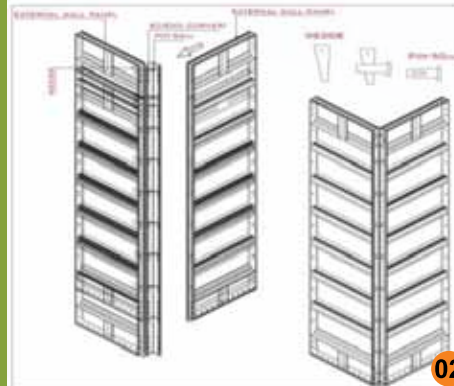
Form Release agent (Solvent based) to be applied on the surface of all the panels before the assembly process.



01

STEP NO-02

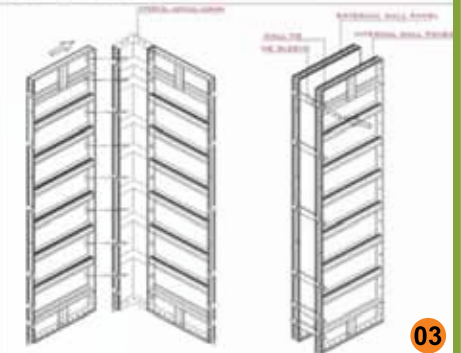
Outer Corner is fixed to External Wall Corner panel by round pin and wedge.



02

STEP NO-03

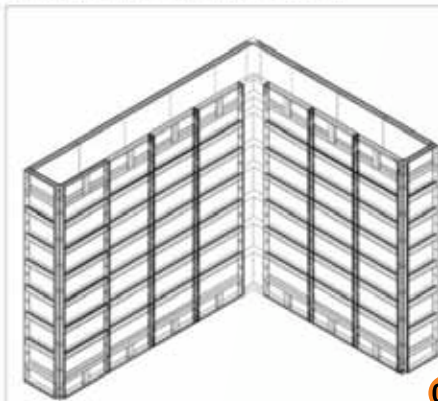
Inner Corner is fixed to the Internal Wall panels by round pin & wedge. The Internal and External Wall Panels are held by Flat Tie with Tie Bar Shield in between the panels.



03

STEP NO-04

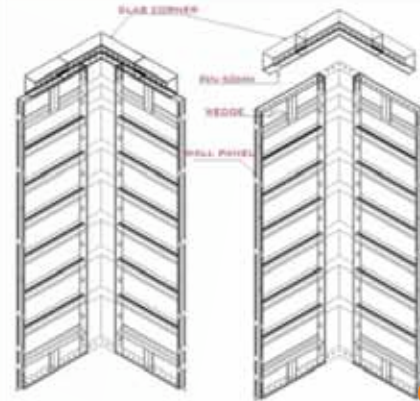
Repeat Sequence No. 3 to complete the assembly of both the Internal and External Wall Panels.



04

STEP NO-05

Install Slab Corner on the top portion of the Wall Panels with round pin & wedge.



05

STEP NO-06

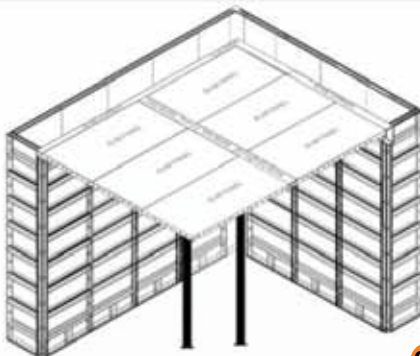
Aluspan's mid beams / end beams and Prop head are combined by Beam splice bar with long pin and wedge at the bottom section.



06

STEP NO-07

Start the assembly of the Slab Panels from the Slab corner Internal. Subsequently, fill out the whole slab area by pinning the slab panels together with the Aluspan's (Comprises of Aluspan's and cantilevers). Mid Beams/ End Beams.



07

STEP NO-08

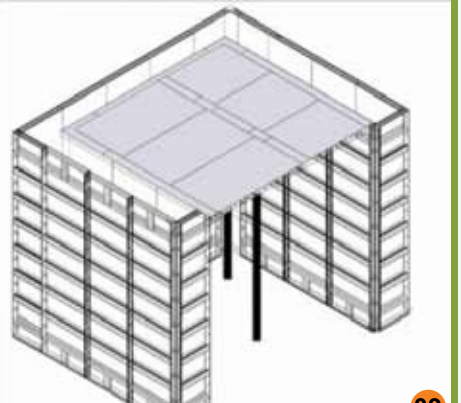
Additional Wall Panels (or Kickers) are fixed to the external Wall Panels to raise to the appropriate height to contain the slab concrete when it is poured.



08

STEP NO-09

Additional Wall Panels (or Kickers) are fixed to the external Wall Panels to raise to the appropriate height to contain the slab concrete when it is poured.



09

STEP NO-10

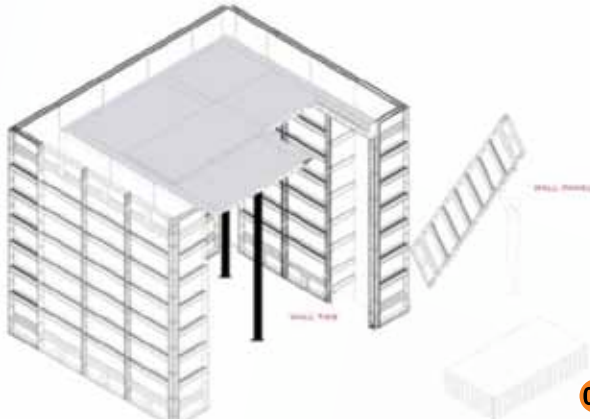
Always ensure that wall ties, pins and wedges are properly installed and secured before pouring concrete into the forms. Ensure that concrete pouring is distribute evenly throughout the Wall Panels section before commencing to cast the slabs level area.

10

DISMANTLE PROCEDURE AT SITE

STEP NO-01

After 12 hours, remove the Internal Wall panels by knocking out the wedges and pins. The Wall Panels are to be moved to upper floor through the slab opening as shown. Since all the panels are numbered with different colour identification scheme, these transfer process can be determined and planned in advance according to section of the building such as Room 1, Room 2, Bathroom are etc.



01

STEP NO-02

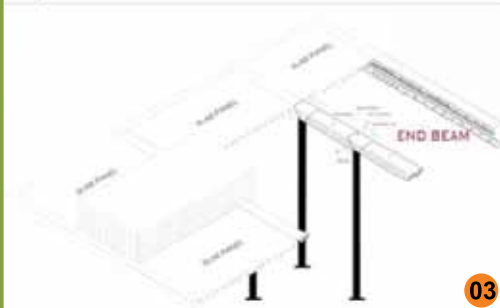
After removing the External Wall Forms (the starter Block (kicker) should remain undisturbed), the dismantled wall forms are moved to upper floor. Access Scaffolding is used for transferring of external wall panels from the ground floor level. For level 1 and above, an external working platform is fixed to the external wall, the external wall forms from level forward shall be supported by the kickers. (These steps are to be repeated from one floor to another floor.)



02

STEP NO-03

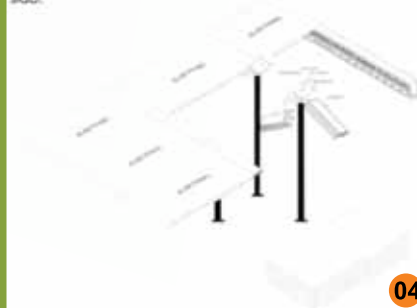
After removing the Wall Panels, proceed to the Slab Panels after 36 hours by removing the long pins and wedges on the joint bars the end and middle beam section.



03

STEP NO-04

Upon removing the Aluspan Mid Beams and Aluspan cantilevers End Beams, the prop shall remained undisturbed during this process to support the concrete slab.



04

STEP NO-05

Proceed to strip the Slab Panels and transfer to the next level according to the designated area and installation sequence.



05

STEP NO-06

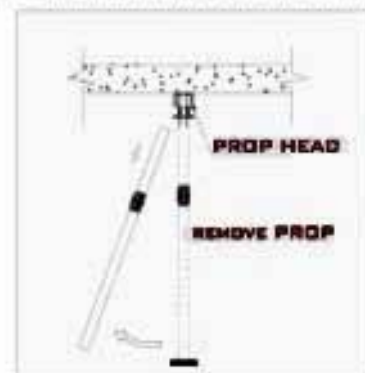
Strip the Slab Corner.



06

STEP NO-08

When the cube tests show that the slab concrete is sufficiently strong, the prop together with the prop heads are removed and transferred to the next level.



08

STEP NO-07

Pull out Wall flat Tie using Wall Tie puller and remove the Wall tie sleeve using Nose player.

07

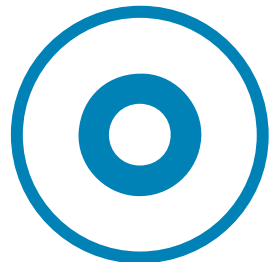
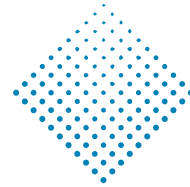
TECHNICAL SPECIFICATION

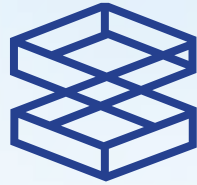
1	Aluminium Extrusions Grade	IS-6061 ISO DESIGNATION-65028
2	Type of treatment	T6
3	RAW Material Source	HINDALCO, JINDAL, GLOBAL, NATIONAL aluminium etc.
4	Thickness of the sheet	4mm
5	Side rail	65mm (8mm Thick)
6	Average weight of system	30 – 35 kg approx
7	Overall tentative weight of Aluminium	22 - 23 kg approx
8	Overall tentative weight of Mild Steel	9 - 11 kg approx
9	Type of fabrication	Extrusion + MIG (ROBOTIC & MANUAL WELDING)
10	Welding Wire Grade (Aluminium)	ER4043 (INDALCO)
11	Standard Size	2050 X 600 mm (wall panel) 1200 X 600 mm (Deck penal)
12	Hole Pattern	50@50
13	Corner Gussets	Provided
14	Type Of Stiffener uses	3 types (H, I, U)
15	Lacquer Coating	Poly urethane acrylic with 25-30 Micron thickness
16	Load Rating of Panel	67.5 KN/m ²
17	MS Grade	Fe 410 WA
18	Wall Tie thickness	3 mm
19	Adjustable Prop	Painted Prop (2 sets)
20	Standard Form (%)	65 - 70%
21	Re-uses quantity for next projects	65 - 75%
22	Repetition	200 times with Nexateck Formwork Solution
23	Speed of work	20 to 25 sqm per man day

PARTIAL MOCK UP [BERRIE DISPATCH

Customers satisfaction is first and last motive of NEXATECK FORMWORK SOLUTION.

We built partial mockup before dispatch for quality assurance. Delivering excellence in our work is our forte. Thus, we are highly preferred by the clients across the nation. Our ideal services are known for their perfection and timely execution NEXATECK FORMWORK SOLUTION is not just in the business of selling forming systems. We will be your partner in terms of service, after sales support and technical guidance. Premium products which guarantee uses up to 200 repetitions are compatible with NEXATECK FORMWORK SOLUTION products and can be easily used in tandem for larger projects.





NEXATECK FORMWORK SOLUTION

NEXATECK FORMWORK SOLUTION

D 10/2, SHED NO 2, UPSIDC INDUSTRIAL AREA, KASNA
GREATER NOIDA, DISTT. GAUTAM BUDDH NAGAR, U.P. 201306

We specialize in the design and manufacture of purpose-made steel formwork for the casting of concrete. Our company is a leading company, with very experienced staff having more than 25 years of experience. We have delivered many projects that include the formwork and fabrication for the construction industry. The business now continues to Design, Formwork fabricate steel formwork ever since its establishment. Special Formwork was set up as the sales and design organization. However, it is now one of the leading designers and manufacturers of purpose-made steel formwork in India. We are proud to supply formwork for use on some of the most demanding and prestigious projects in India.

OUR ESTEEMED CLIENTS:-

1-T AND T GROUP

Provide:- Aluminium Formwork, M. S. Accessories,
Aluminium Job work.



2-TATA PROJECTS

Provide:- M. S. Accessories.



3-GAURS GROUP

Provide:- Aluminium Formwork, M. S. Accessories,
Aluminium Job work.



4-CIVITECH GROUP

Provide:- Aluminium Formwork, M. S. Accessories,



5-M3M INDIA

Provide:- Aluminium Formwork, M. S. Accessories,

**6-ACE GROUP INDIA**

Provide:- M. S. Accessories,

**7-MAHINDRA HOMES**

Provide:- Aluminium Formwork, M. S. Accessories

**8-NIRALA GROUP**

Provide:- M. S. Accessories,

**9-SOBHA LIMITED**

Provide:- M. S. Accessories,

**10-SAM INDIA BUILTWEELL PVT LTD**

Provide:- M. S. Accessories,

**11-AAR CEE CONTRACTS PVT LTD**

Provide:- Aluminium Formwork, M. S. Accessories



12-ARYAN GROUP

Provide:- Aluminium Formwork, M. S. Accessories,

**13-AYUSH CONSTRUCTION**

Provide:- Aluminium Formwork, M. S. Accessories

**13-B L KASHYAP**

Provide:- M. S. Accessories,

**14-COUNTY ESTATE**

Provide:- M. S. Accessories,

**15-CTC GEOTECHNICAL PVT LTD**

Provide:- M. S. Accessories,

**16-HI TECH COMPONENT**

Provide:- Aluminium Formwork, M. S. Accessories

**17-M F CONSTRUCTION**

Provide:- Aluminium Formwork, M. S. Accessories



18-MIGSUN

Provide:- Aluminium Formwork, M. S. Accessories,
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19-BHUTANI GROUP

Provide:- Aluminium Formwork, M. S. Accessories,
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20-PARTH BUILDTECH PVT LTD

Provide:- M. S. Accessories,



21-R K CONSTRUCTION

Provide:- M. S. Accessories,



22-SWADESHI CIVIL INFRASTRUCTURE

Provide:- M. S. Accessories,
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23-SKA METRO VILLE

Provide:- M. S. Accessories,



24-L&T CONSTRUCTION

Provide:- M. S. Accessories,



25-SHAPOORJI PALLONJI GROUP

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Provide:- M. S. Accessories,

**27-CLASSIC CIVIL ENGINEERS PVT LTD**

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**28-NCC CONSTRUCTION**

Provide:- M. S. Accessories,

**29-NKG INFRASTRUCTURE**

Provide:- M. S. Accessories,

**30-SAM INDIA INFRASTRUCTURE LLP**

Provide:- M. S. Accessories,

**31-JMC PROJECTS**

Provide:- M. S. Accessories,



OUR PROJECTS



OUR CLIENTS



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