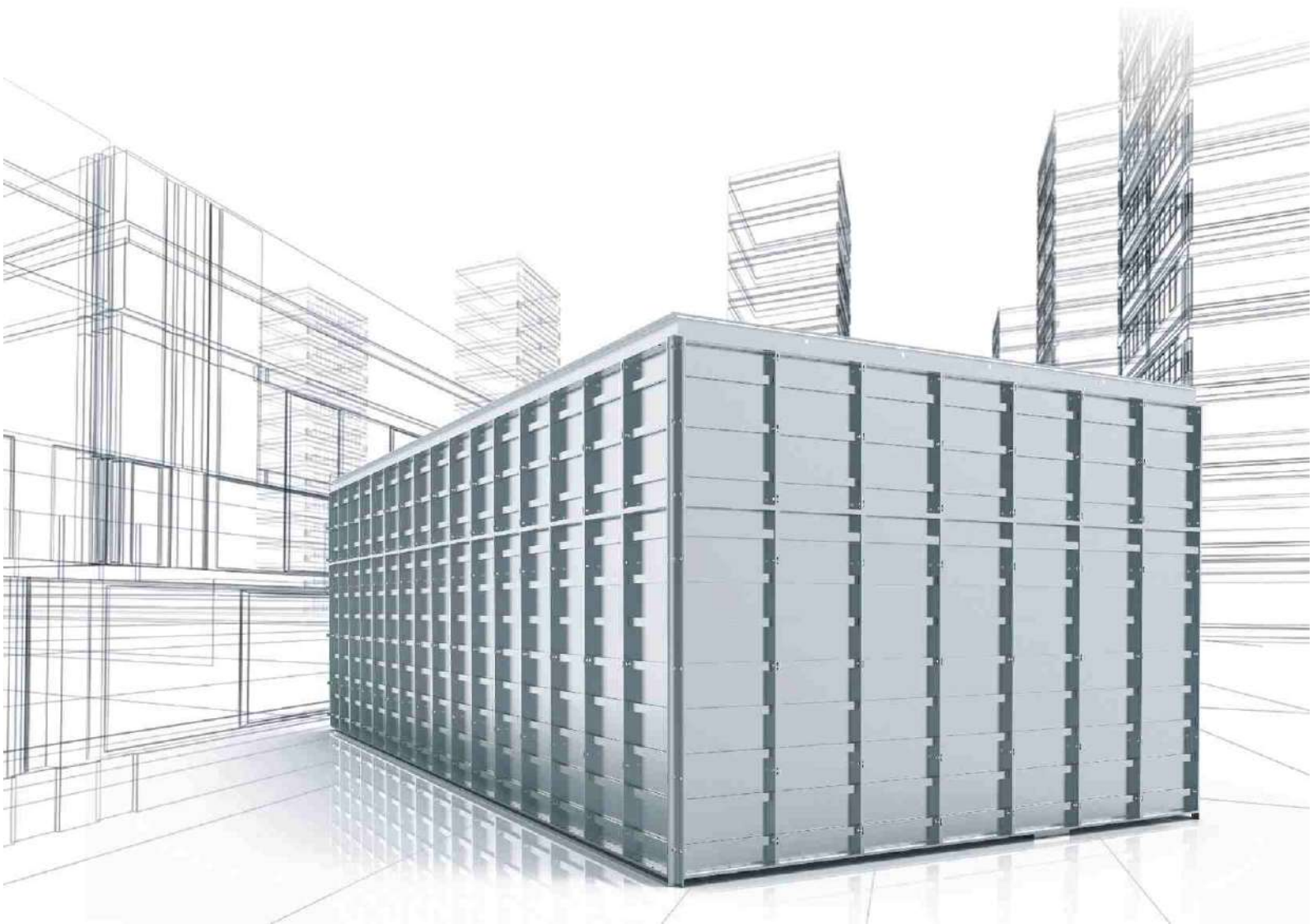




## MAX ALUMINIUM FORMWORK

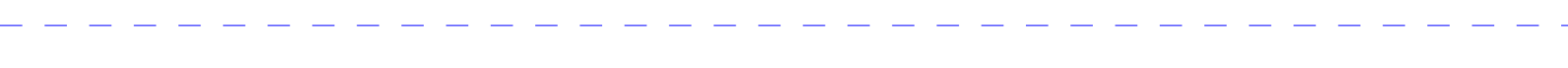






**INNOVATIVE DESIGN  
ASSURING QUALITY  
EXCELLENT SERVICE**

**UNIMAX  
INTERNATIONAL**





Mr. Rajesh Sharma  
CMD



Mr. Nitin Sharma  
MD

We embarked on a Mission Journey 28 years ago in 1989 with a vision to provide the best of the global technologies for Indian Construction Industry. It may be easier to stick to the conventional construction methods, while the industry has glittered with glorious changes the world over. We took this challenge by adopting through our innovative greener techniques to develop an indigenous, yet affordable and viable, import substitute for the Indian Construction Industry, of course, beneficial to the urban environment.

The Max formwork has been consistently striving to work towards the requirement of its customers while bringing the innovative solutions with the emerging trends in the construction industry with its experienced and dedicated personnel at its R & D center. We believe there is always an opportunity to bring automation and better system such as Robots, improvised welding system and new technologies from other developed industrial countries. With the same vision, we are soon going to introduce Stir Fabrication Welding Techniques to Indian Construction Industry which is being used by the Aerospace Industry globally that will set the benchmark in India.

We also think beyond tall buildings hence considering the future of construction development which gives us a wider perspective and fresh ideas when it comes to design the living spaces such as condos, skyscrapers, skylines and office spaces being built in major cities around the world.

Architects and designers have given us exciting ideas which will define the way we live and the kind of living that the next generation will experience. More importantly, as these buildings are constructed, experts should ensure that every material and every action taken in the construction process will minimize the hazards of environmental damages and that's where MAX Formwork has expertise to bring the Innovative Solution at your doorstep to change the future of construction Industries.

## MAX GROUP OF COMPANIES

### UNIMAX INTERNATIONAL

### MAX INDUSTRIES

### MACO OVERSEAS

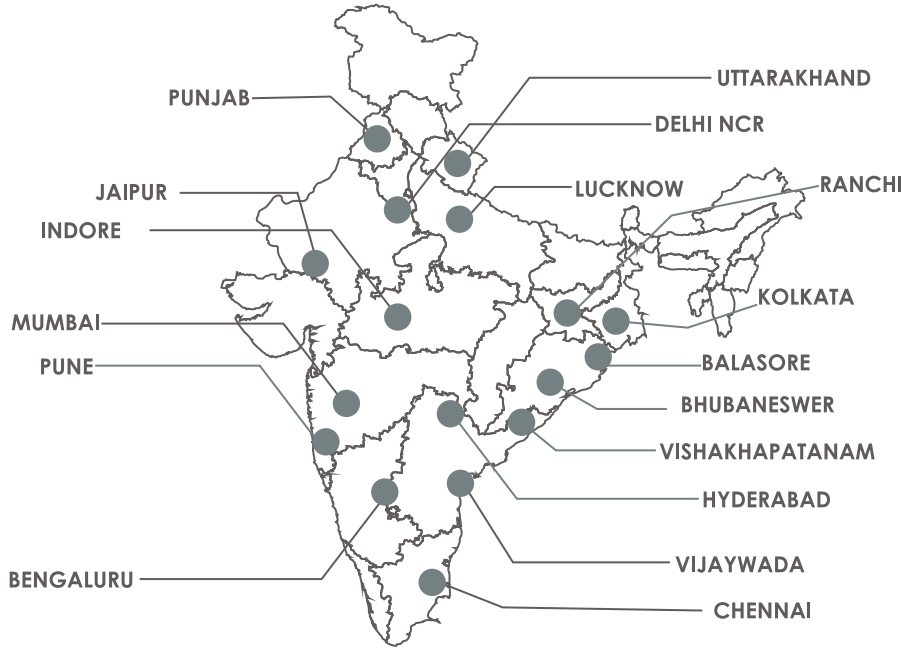
### UNIMAX SCAFFOLDING

### MAX SCAFFOLDING SYSTEM

## Contents

3 Company Milestones, 4 About us, 5 Introduction of Max Aluminium, 7 System Advantages, 9 Technical Competency and Design Solution, 15 Manufacturing Capacity, 16 Manufacturing Process, 17 Quality Assurance, 19 Mockup at Plant, 20 Support at Site, 21 List of Components, 25 Setting Process, 27 Installation setup, 28 Deshuttering Process, 29 Appreciation Letter, 36 Testing & Certification, 40 Project Preferences, 52 Our Prestigious Clients

# PAN India Presence of MAX Group



## Max Group Factories

- Plant No 1 - Plot No. 1&10, Sector 7,SIDCUL, Integrated Industrial Estate Rudrapur, Uttarakhand (India)
- Plant No 2 - 1291-92, HSIIDC, Industrial Area, Rai, Sonipat, Haryana (India)
- Plant No 3 - 1293-94, HSIIDC, Industrial Area, Rai, Sonipat, Haryana (India)

## Company Milestones

We believe in kaizen, hence continuous learning helps us to adopt the best industry practices to provide best of the services to our customers. It has been a great journey while providing State-of-the-art services to various customers while setting up standards for the Industry with our best practices developed over a period of time.

1989	Establishment of Max Group
1990	Starting of Forging and casting of scaffolding components
1993	Starting Export of Scaffolding components to Middle East
1997	Starting of manufacturing Steel Formwork system
2004	Establishment of hiring division of Formwork material in India
2009	Developed Max Aluminium Formwork system
2010	Establishment of Mass Aluminium Formwork Production system for monthly capacity of 20,000 Sqm
2011	Completion of First formwork order of 11,000 Sqm Aluminium Formwork system
2012	Completion of second plant for the manufacturing of different Formwork system
2014	Developed MaxDeck Formwork system
2015	Developed MaxTable Formwork system
2016	Initiated R&D on automatic climbing system
2019	Protection Screen for highrise structures
2020	Introduction of Robotic Welding & Automation



## About us

**Unimax International** is an established environment friendly organization in Aluminium Formwork System serving the construction industry with updated and customized solutions.

An ISO 9001:2015 certified company having two state-of-the-Art manufacturing units each in Sonipat, Haryana as well as in Pantnagar, Uttarakhand are well supported by in-house Research & Development activities.

Unimax with continuous innovations using latest technology and System, highly professional project support team committed to provide Formwork System which is not only of high quality but also enables our client to achieve faster slab cycles at competitive prices. We expertise in designing the Formwork system by using high end software such as Staad, Revit and AutoCAD to meet our specific requirement. Today our satisfied clients include some of the reputed corporate builders Developers, and Construction Companies. As a reflection of our Quality, after Sales Services and Customer support, we have been able to retain our client's faith in getting their repeated orders.



Max Aluminium Formwork is hand – set panelized Formwork system in which slab, Beam, Column and walls can be casted at one go which can make the unit a composite structure. Specially designed easy to handle Pre engineered light weight Aluminium Forms. Rapid construction of multiple units of repetitive type structure is done by semiskilled labor. The number of Props defined by the system ensures safety and quick assembly.

## Why should you Choose Max Aluminium Formwork System





# Salient Features of Max Aluminium Formwork

<b>Latest International Technique</b>	We use latest software for designing and drawing such as Staad pro, Revit and Autocad which gives real time design solution as compared to old conventional designing method. We take utmost care for the safety of Formwork and structure in our designs.
<b>High end Finishing</b>	Since Components of Max Aluminium System are manufactured from extruded Aluminium alloy hence tolerances in the dimension are not more than 2mm. The smooth surface of Aluminium gives excellent concrete finish hence plaster activity could be avoided.
<b>Easy Erection</b>	Easy assembly and zero assembly error makes the system fast due to which there is reduction in the timings of slab cycle.
<b>Reduced slab Cycle and faster completion</b>	By using Max Aluminum formwork all shear walls, columns, core walls, slab and beams can be cast together resulting in less days of slab cycle.
<b>Crane free movement</b>	Due to the lighter weight of the components the formwork can be shifted from one floor to another manually without using the crane.
<b>Less inventory and economical</b>	In MaxAluminum Formwork system slab and beam can be stripped after three days (Based on the concrete strength) leaving behind the props head together with the Prop. Walls and Columns can be deshuttered after Twenty four hours. Early stripping of Max Formwork reduces inventory and parts handling due to which there is the great reduction in cost.
<b>Saving Human Labour</b>	Due to the replacement of blockwork with RC wall in the structure no labor is required for blockwork and plastering.
<b>Safety of Workers</b>	The stripping system allows parts to be recovered without falling down contributing to the workers' safety. The number of the props defined by the system ensures the quick and safe assembly.
<b>High repetition and durability</b>	Since all the components of Max Aluminium are getting manufactured by using state-of-the-art technology and very high quality of the Aluminium alloy 6061 has been used. Due to the high tensile strength of the alloy it yields after very high repetition (250 times).
<b>No requirement of Scaffolding</b>	The brackets provided at the outer periphery of the structure ensures the safety of the workers and eliminate the requirement of outer facade scaffolding.
<b>Quality and testing</b>	Each and every component of Max Aluminium Formwork system has been tested in the state of the art laboratory at IIT Chennai. With our R&D department continuously researching for newer and better products we will maintain our leading position as leader of the Aluminium Formwork system against our competitor.
<b>Good resale value</b>	The resale value of Aluminium is much higher than that of Steel.
<b>Eco-Friendly</b>	Max Aluminium Formwork is all Aluminium and 100% wood free which gives the superior finish to the concrete.

# System Advantages

## Comparison Between Conventional Shuttering and Aluminium Shuttering

S.No.	Characteristics	Max Aluminium Formwork	Conventional Formwork
1	Material	Engineered Aluminium alloy	Plywood, Timber, MS Sheet
2	Cycle Time	7-9 Days	13-18 Days
3	Able to Pour walls ,Column, Beam and Slab at one lift	Possible	Not Possible
4	Strike Slab formwork without disturbing the Props	Possible	Not Possible
5	Eliminates the requirement of Block work and Plaster	Possible	Not Possible
6	Requirement of Crane	Not Required	Not Required
7	Requirement of Skilled worker	Not Required	Required
8	Recycle Value of the Materials	Very High	Low
9	Safety at the periphery	Outer Brackets integrated with the system eliminates the requirement of Scaffolding	Scaffolding is required at the outer Periphery of the structure
10	Environmental Friendly	Yes	No
11	Cost Effective	Economical  Short construction period does reduce the durations of the project  Which facilitates fast delivery  Reduces the over heads cost by 40%  Less waste in site construction support system is simple and clean.	No



# System Advantages

We use Aluminium alloy 6061 for the manufacturing of our Panels. Aluminium alloy 6061 is one of the most extensively used of the 6000 series aluminum alloys. It is a versatile heat treatable extruded alloy with medium to high strength capabilities. 6061 is a precipitation-hardened aluminium alloy, containing magnesium and silicon as its major alloying elements.

## Key Properties

Typical properties of aluminum alloy 6061 include :

- ✓ High strength
- ✓ Good toughness
- ✓ Good surface finish
- ✓ Excellent corrosion resistance to atmospheric conditions
- ✓ Good corrosion resistance to sea water
- ✓ Can be anodized
- ✓ Good weld ability
- ✓ Good workability
- ✓ Widely available

## Applications

Typical applications for aluminum alloy 6061 include :

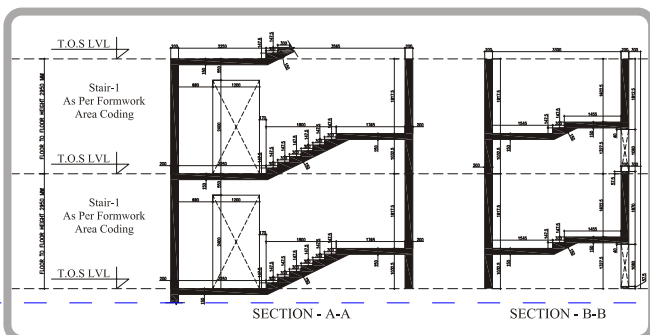
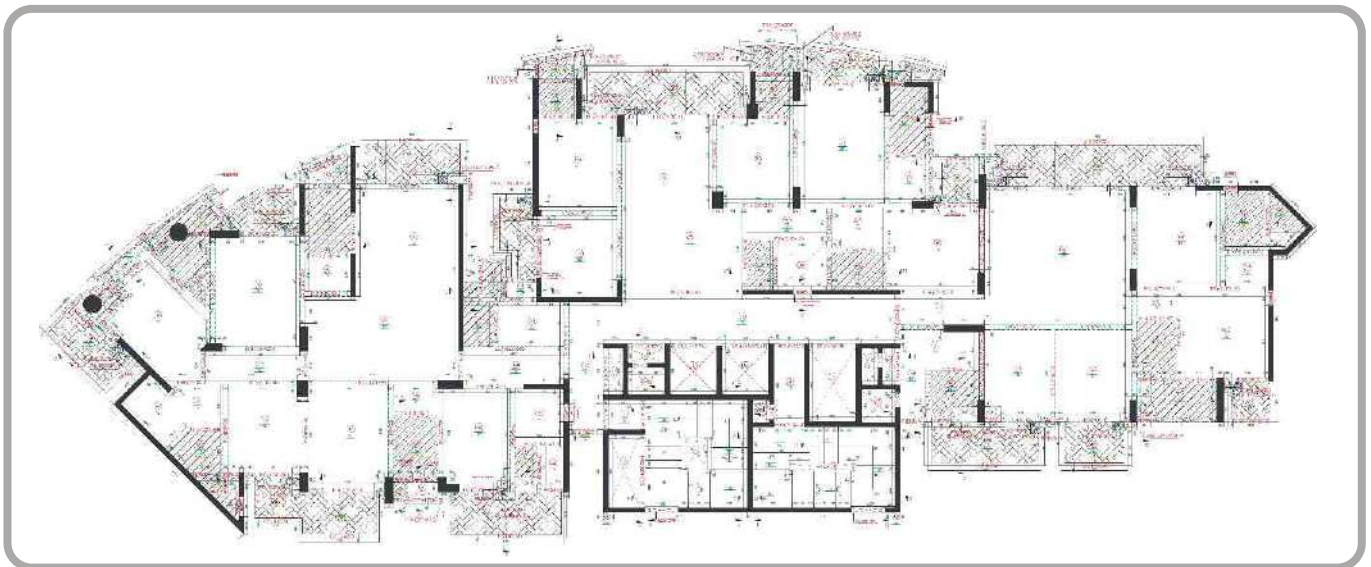
- ✓ Aircraft and aerospace components
- ✓ Marine fittings
- ✓ Transport
- ✓ Bicycle frames
- ✓ Camera lenses
- ✓ Driveshafts
- ✓ Electrical fittings and connectors
- ✓ Brake components
- ✓ Valves
- ✓ Couplings

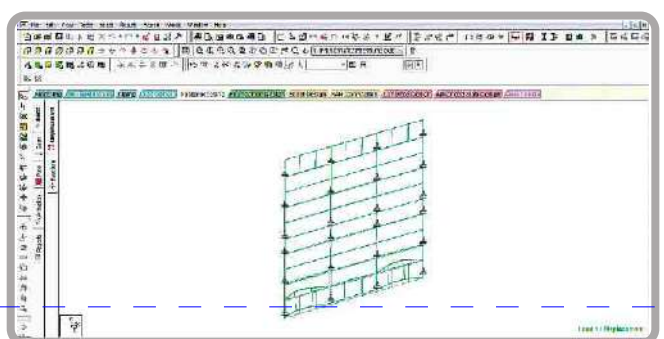
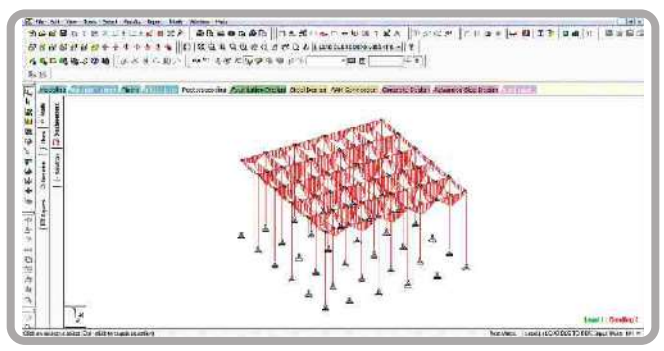
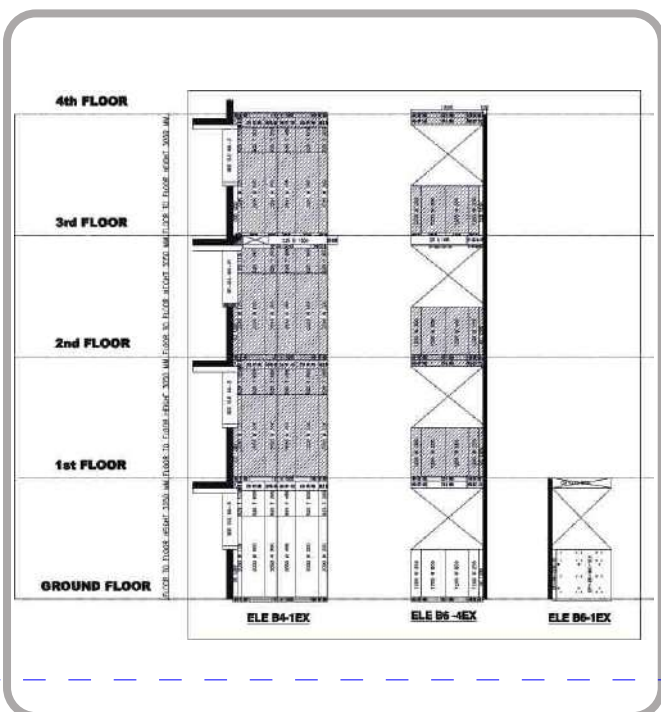
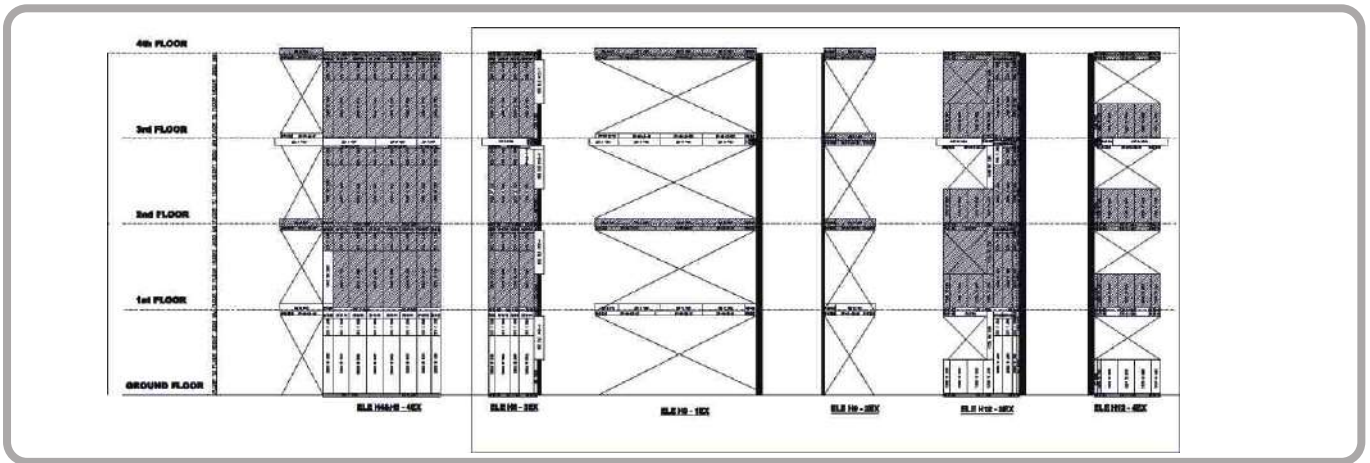
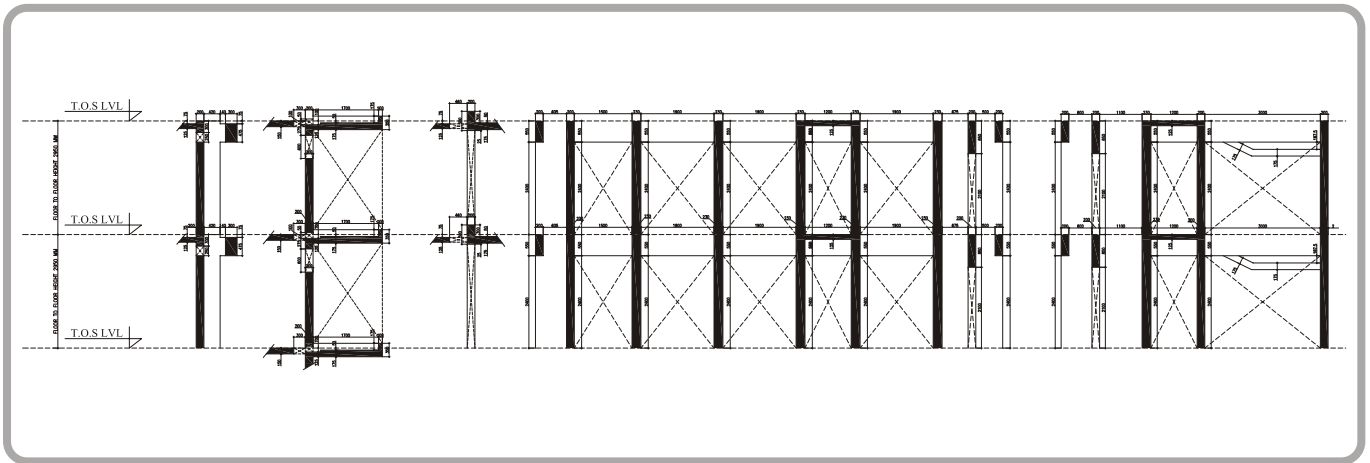
Chemical Compositions of 6061					
Component	Wt. %	Component	Wt. %	Component	Wt. %
Al	95.8 - 98.6	Mg	0.8 - 1.2	Si	0.4 - 0.8
Cr	0.04 - 0.35	Mn	Max 0.15	Ti	Max 0.15
Cu	0.15 - 0.4	Other, each	Max 0.05	Zn	Max 0.25
Fe	Max 0.7	Other, Total	Max 0.15 2		

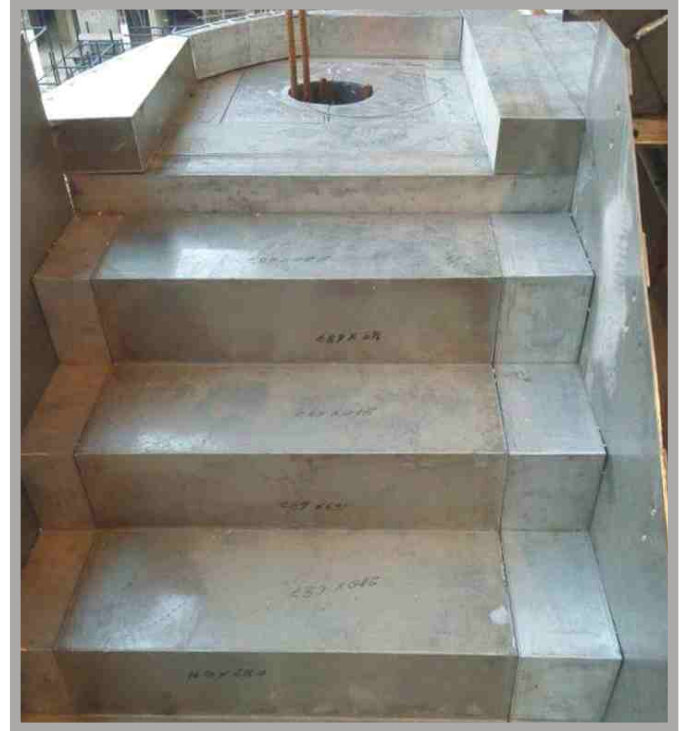
Mechanical Properties of 6061				
Material	List	Unit	Values	Used
Aluminium 6061-T6	Density	Kg/m <sup>3</sup>	2710	Used as a stiffener for Wall and Slab Panel and for Main and End Beam
	Ultimate Tensile stress	Mpa	265	
	Yield stress	Mpa	235	
	Young's Modulus	Mpa	68900	

Mechanical Properties of Steel				
Material	List	Unit	Values	Used
Mild Steel	Density	Kg/m <sup>3</sup>	7850	Used for Props
	Tensile stress	Mpa	220-250	
	Allowable Bending stress	Mpa	132	
	Young's Modulus	Mpa	200,000	

At Maxformwork our first and foremost motto is the satisfaction of our esteemed customers. In order to achieve that, we make it sure that we understand the needs and requirement of our customers in every respect and provide with the **best possible and cost effective solution** to them across the Industry vertical and that's the way of our working. This is the reason why we are one of the reputed manufacturers and suppliers of Aluminium formwork system. Due to our unmatched quality and constant site support we get the repeat orders from our clients. Max Formwork offers wide range of services starting from Formwork AutoCAD drawing Staad model of design, Deshuttering calculation, Reproping calculation/ Backproping calculation and consultancy services emphasizing on residential and commercial building.







**Closed Staircase**



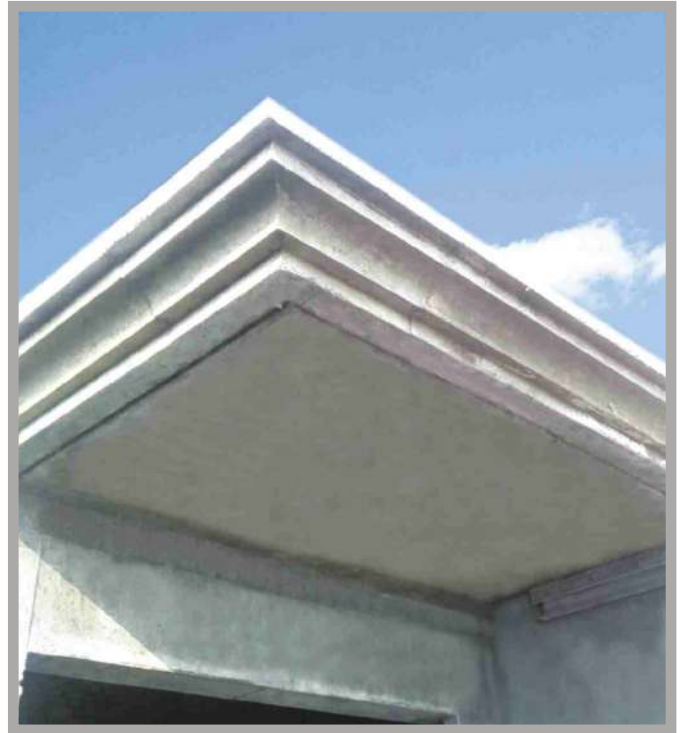
**Circular Column**



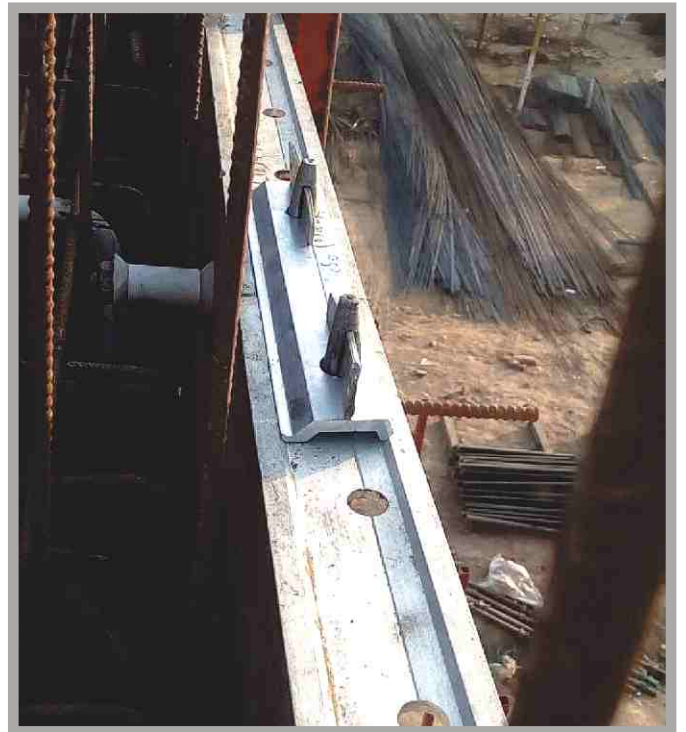
**Rectangular Column**



**Retaining Wall**



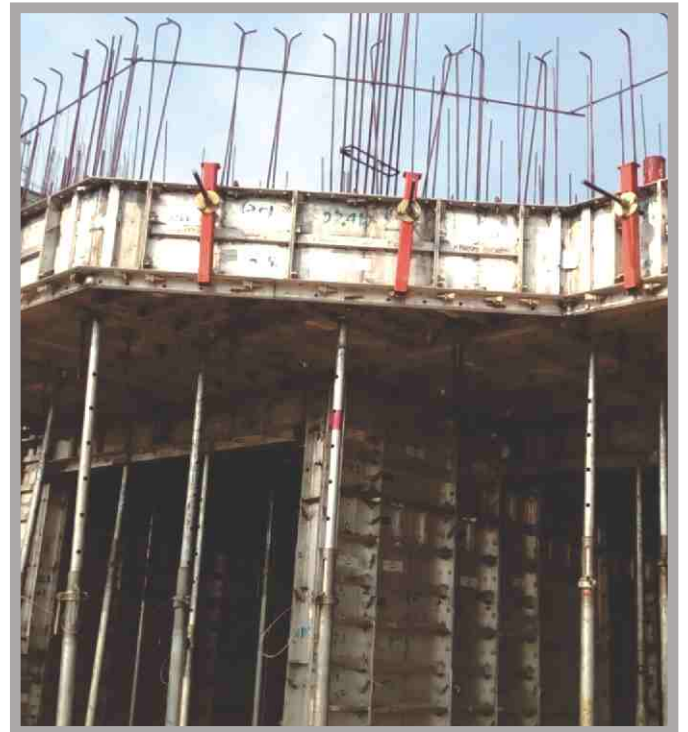
**Cornice in Formwork**



**BKS Kicker Alignment**



**Kitchen Slab**

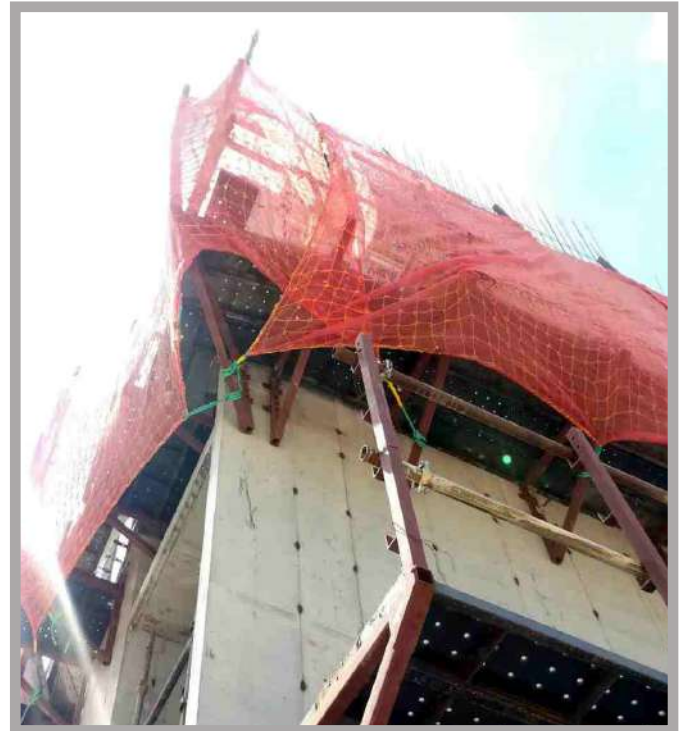


**Balcony Sunken Profile**





**Slab Attached Bracket**



**Wall Attached Bracket**

# Manufacturing Capacity



Max Formwork systems yearly produce 2,20,000 Sqm at Aluminium Formwork facility located in Rudrapur, India. We observe the utmost care of the quality and timely delivery by using advanced machines, skilled manpower and latest technology software used by the best of the Industries across the globe.

# Manufacturing Process



Raw Material Stacking



Checking of Raw Material



Project Planning Control room

# Manufacturing Process



**Cutting of Sections by Automatic Angular Cutting Machine**



**Hole Punching by PLC control Automatic machine**



**Robotic Welding of Panels**



**MIG Welding of Special Profile**



**Sheet Cutting Process by CNC Machine**



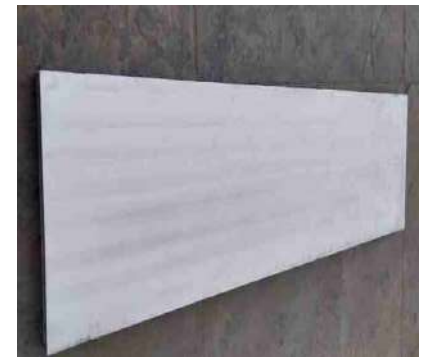
**CNC Machine for special Profile**



**Quality Checking**



**Quality Standard Room**



**Coating Process**



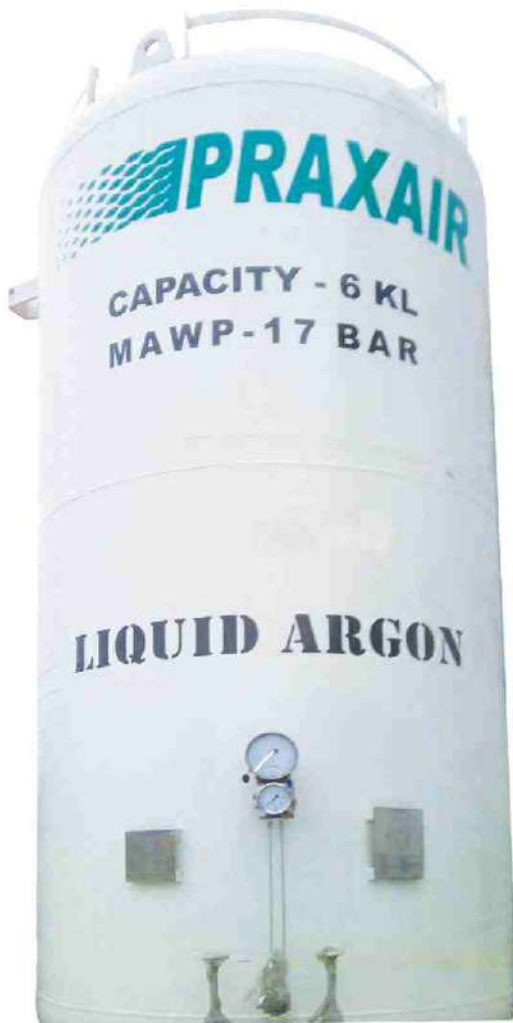
**Stacking of Materials**



**NDT Check of Welding**



**Testing of Product at IIT Chennai**



As explained above in both type of welding, Argon gas has been used for protecting the weld from oxygen. We use 99.99% argon gas which we purchase from Praxair the USA based company.

We use basically two types of welding in our product.

### GMAW

GMAW stands for gas metal arc welding. This is also commonly referred to as metal inert gas welding, or MIG welding. In GMAW the electrode is a roll of wire which the welder feeds out of a 'gun' to the work piece. The speed of wire could be controlled, so that long welds could be achieved without stopping to replace a rod. The gun also feeds out an inert gas such as Argon to displace oxygen at the weld site. This is a clear welding and there is no slag to chip away.

### TIG Welding

TIG stands for tungsten inert gas welding. Like GMAW, TIG welding uses a tank and inert gas to shield the weld. In both GMAW the electrode is consumed by heat and becomes part of the weld. TIG stands out in that the tungsten electrode carries the arc, but is not consumed. Tungsten withstands the heat of welding. It is usually reserved for specialized types of welds. It is used at the corner portions of our panels.



Purity Certificate of Praxair




The Robotic machines give us the seamless welding with excellent quality.

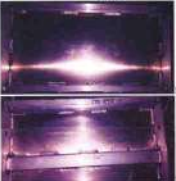



We check the quality welds in-house first with digital gauges. It includes visual inspection and measuring throat thickness, length of weld and leg length.

Apart from that we also conduct NDT test on our weld for reassuring the quality.




**SATYAKIRAN ENGINEERS PVT. LTD.**  
487/76, (Near Bright Motors), PerraGarha Village, Outer Ring Road, New Delhi - 110087 (INDIA)  
 Web: www.satyakiran.com Email: info@satyakiran.com Ph: 91-11-25278008, 25253030

ULTRASONIC TEST REPORT										Page 1 of 1																																																	
Client : UNIMAX INTERNATIONAL					Report No. : SEPL-UT/RG516					Test Date: 30-11-2020																																																	
Site : SEPL LAB, PEERAGARH NEW DELHI					Report Date: 02-12-2020					P.O. No.																																																	
Item Name / Title		Aluminum panel		Qty: 02		Stage of Inspection		Finished		Material	Aluminum																																																
Identification/ Prp. No./Obn		15164 (1)		15164 (2)		Material Type / Grade																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Scan</th> <th>Probe Type &amp; Angle</th> <th>Probe Size (mm)</th> <th>Freq. (MHz)</th> <th>Range Set (mm)</th> <th>Range Setting Block</th> <th>Sensitivity Reflector</th> <th>Reference dB value</th> <th>Scan dB value</th> <th>Extent of Scanning</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>TR probe</td> <td>10 Ø</td> <td>4 Mhz</td> <td>50 mm</td> <td>Half moon block</td> <td>Black wall</td> <td>50 db</td> <td>50</td> <td>Spot weld</td> </tr> <tr> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>C</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>D</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>										Scan	Probe Type & Angle	Probe Size (mm)	Freq. (MHz)	Range Set (mm)	Range Setting Block	Sensitivity Reflector	Reference dB value	Scan dB value	Extent of Scanning	A	TR probe	10 Ø	4 Mhz	50 mm	Half moon block	Black wall	50 db	50	Spot weld	B										C										D									
Scan	Probe Type & Angle	Probe Size (mm)	Freq. (MHz)	Range Set (mm)	Range Setting Block	Sensitivity Reflector	Reference dB value	Scan dB value	Extent of Scanning																																																		
A	TR probe	10 Ø	4 Mhz	50 mm	Half moon block	Black wall	50 db	50	Spot weld																																																		
B																																																											
C																																																											
D																																																											
Test Standard / Acceptance Standard <b>NO LINEAR INDICATIONS</b> Observation & Interpretation: NO LINEAR INDICATIONS WERE OBSERVED. Remarks: - AS PER TEST STANDARD IT IS ACCEPTED.										Sketch  15164(1) 15164(2)																																																	
Witnessed By:					Approved By: 			Approved By:																																																			
<small>Form No. P-501, Rev: 03 Dated 01.02.2013</small>										JAF NO: 15164																																																	



Setting of Wall Panel



Setting of Slab Panel



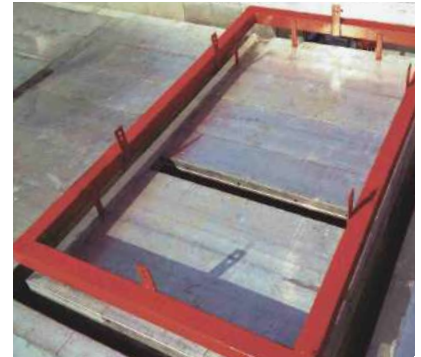
Checking of Slab Corner



Fixing of Waler in Column



Fixing of Waler in Wall



Fixing of Toilet Sunken Portion



Fixing and Alignment of Balcony



Fixing of Door Spacer



Fixing of BKS for Kicker Alignment

**Mockup and Room wise packing** 100% mockup at our plant is backbone of our Formwork system. We make sure that not even a single hole should be drilled at site. All the alignments and fitment is getting checked at the mockup. Apart from that we do room wise packing of our components. The slab and wall components packed in the different pallets which gives the ease of installation.

## Support at Site



We at Maxformwork strictly believe in safety and quality first. Our competent site engineers make it possible at our different project sites. We train the site engineers, foremen and supervisors regarding the efficient and safe use of our formwork system. We also depute our site engineers for the first two pours so that they could personally supervise the work until the site team gets comfortable and proficient with the system.



# List of Component



**Wall Panel**

<b>Material</b>	<b>Aluminium 6061 - T6</b>
<b>Specifications</b>	600(W)X2400(H) 500(W)X2400(H) 450(W)X2400(H) 300(W)X2400(H)



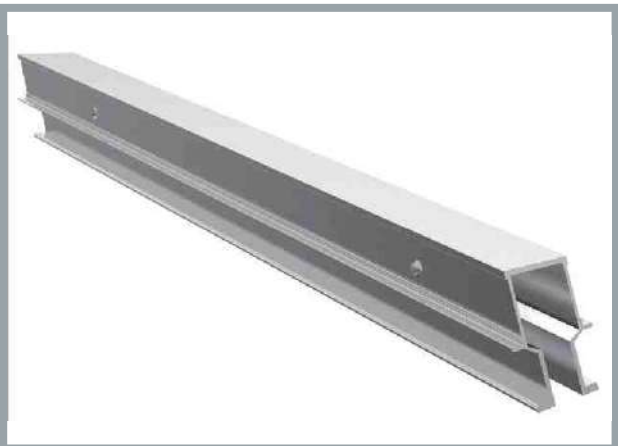
**Deck Panel**

<b>Material</b>	<b>Aluminium 6061 - T6</b>
<b>Specifications</b>	1200(L)X600(W) 1200(L)X500(W) 1200(L)X400(W)



**Beam Panel**

<b>Material</b>	<b>Aluminium 6061 - T6</b>
<b>Specifications</b>	1050(L)X150(W) 900(L)X150(W)



**End Beam**

Used to joint the prop and slab corner, the end beam supports the slab panels.



**Mid Beam**

Used to joint the prop heads, the middle beam supports the slab panels.

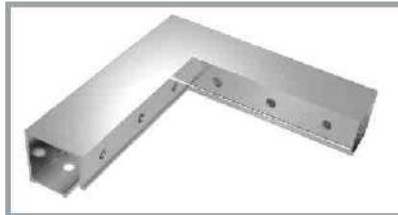


# List of Component



**End Corner**

Connection between two wall panel.



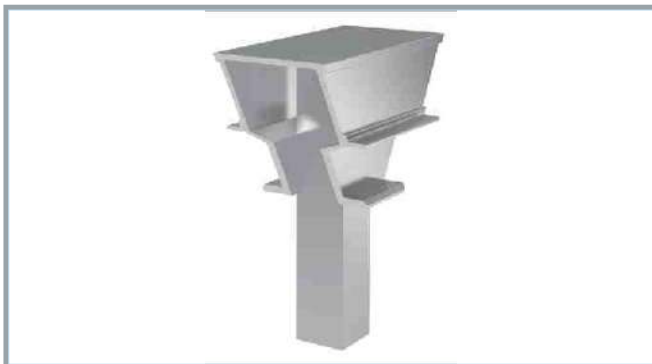
**Slab Inner Corner**

Connection between wall panel & slab panel (Inside).



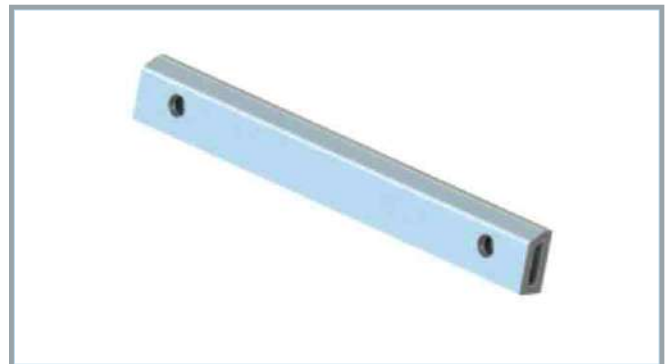
**Slab Outer Corner**

Connection between wall panel & slab panel (Outside).



**Prop Head**

Used to join the beams together (Middle beam or End beam), the pipe support will be placed under the prop head.



**Joint bar**

Used to join the prop heads with the beams (middle and end beam)

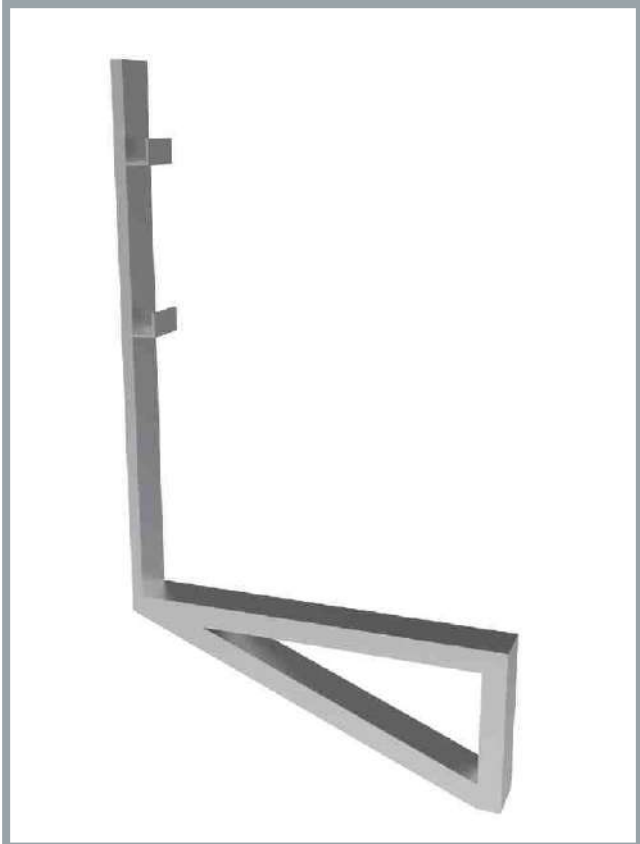
	Supporting props		
	Outer member made from 60.3mm OD & Inner member made from 48.3mm OD M.S. Pipes.		
	Height in mtr.		
Prop	Closed	Extended	
OP	1.10	1.75	
1P	1.50	2.75	
2P	2.00	3.25	
3P	2.00	3.75	
4P	3.00	4.65	

# List of Component



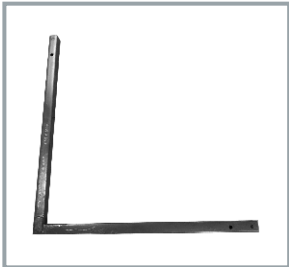
**Wall Attached Bracket**

As a substitute of a scaffolding system, these wall platforms will be fixed on the concrete and will be used as working platform for workers.



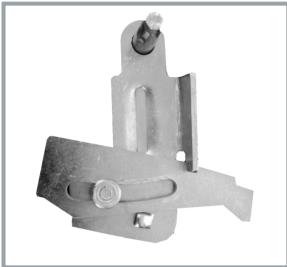
**Elevator Bracket**

As a substitute of a scaffolding system elevator platform will be fixed on the concrete wall and will be used as working platform for workers.



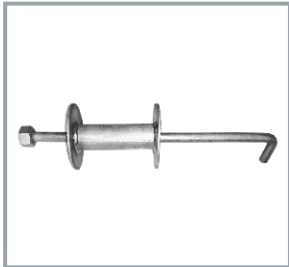
**G.C. Waller**

Waller is used for alignment of wall Panel.



**German clamp**

Get connected with clamp and used for the alignment of wall panels



**Wall - Tie Puller**

It is use for removing of wall tie from wall.

# List of Component



**Wedge & Round Pin**

The round pin and wedge pin will be used to join the wall or slab panels together.



**Bolt, Nut And Washer**

This Accessories will be used as an embedded anchor in order to fix kickers on the concrete surface during its installation.



**Long Pin**

The long pin and wedge will be used to fix the joint pin with the prop head and beams (middle beam of end beam) together.



**Wing Nut**

A **wingnut** or **wing nut** is a type of nut with three large metal "wings", so it can be easily tightened and loosened by hand without tools.



**Panel Puller**

This accessories is used to remove the panel after casting.



**Wall Tie**

Wall tie used to tie the wall panels and plays the vital role during the concreting.



**Hole Bari**

Hole bari is used to align the holes of the Panels.



**Tie Rod**

Tie rod is used to connect the waler with the Panels.



**L pin**

Used for the connection between Waler and Wall panels.

# Setting Process

Marking Structural line



Setting of Wall re-Bar



Setting of wall Panel



Setting of Slab Panel



# Setting Process



16



17



18

Setting of beam bottom



19



20



21

Setting of Staircase



22



23

Installation of Electrical and Plumbing components



24

Pouring Concrete



25



26



27

finished slab



28

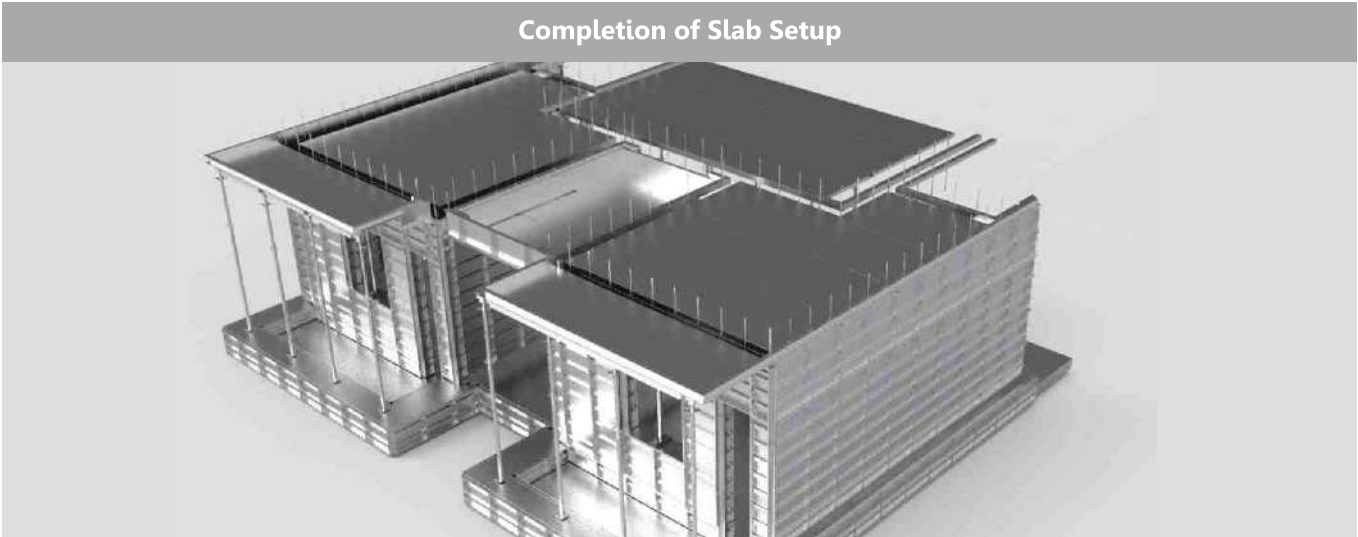
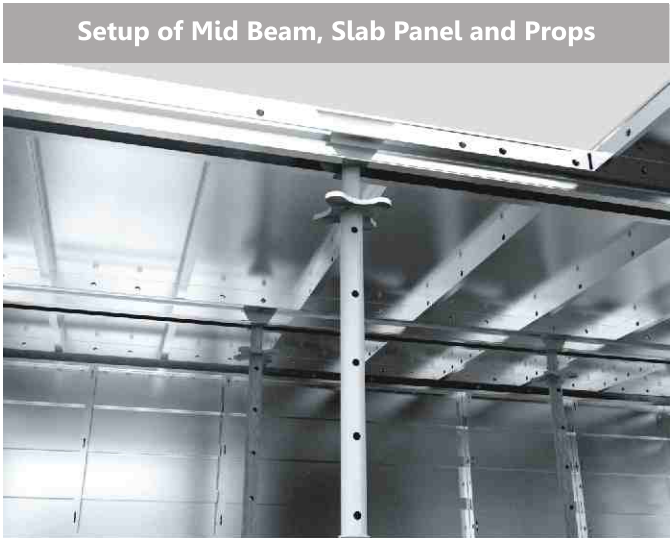
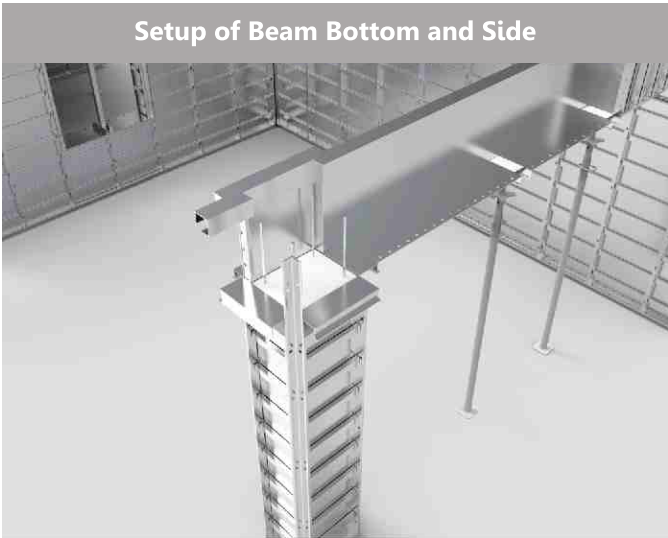
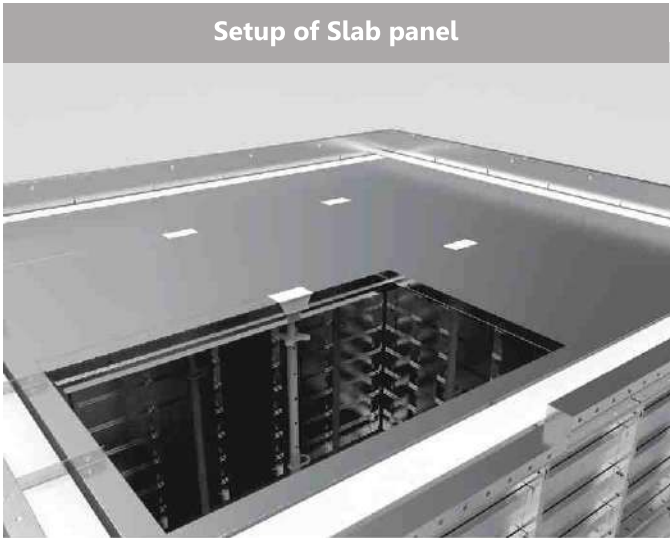
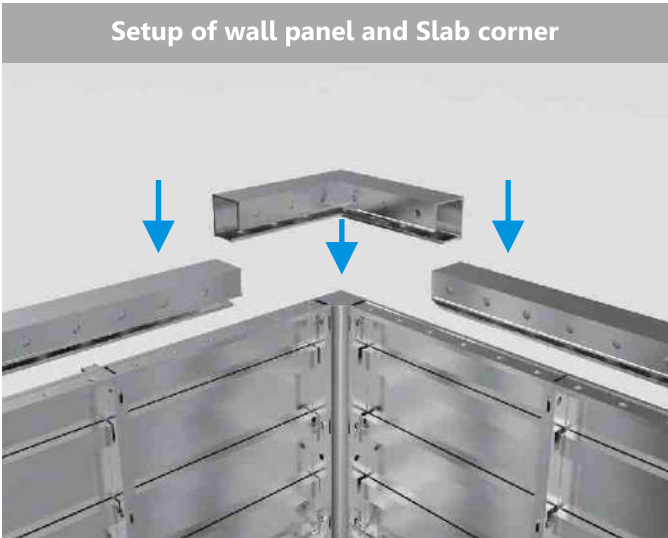


29



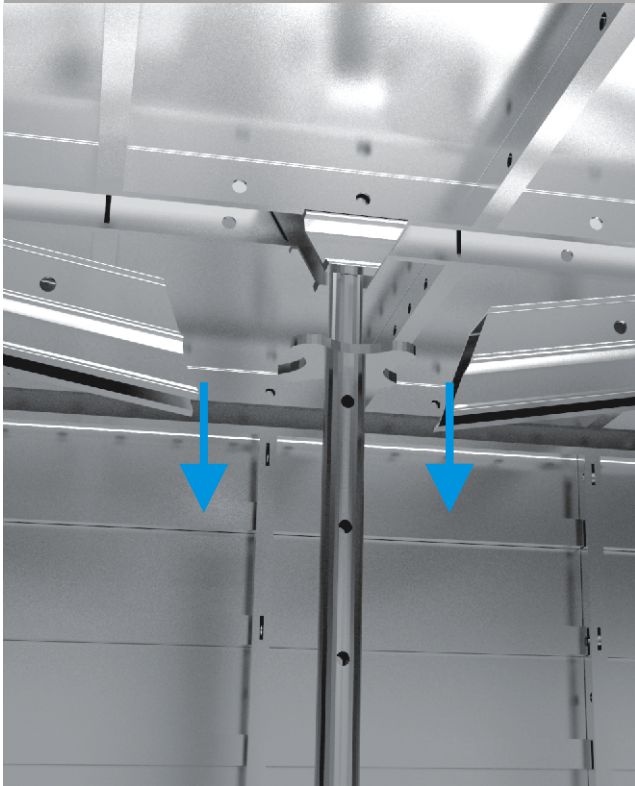
30

# Installation Setup



# Deshuttering Process

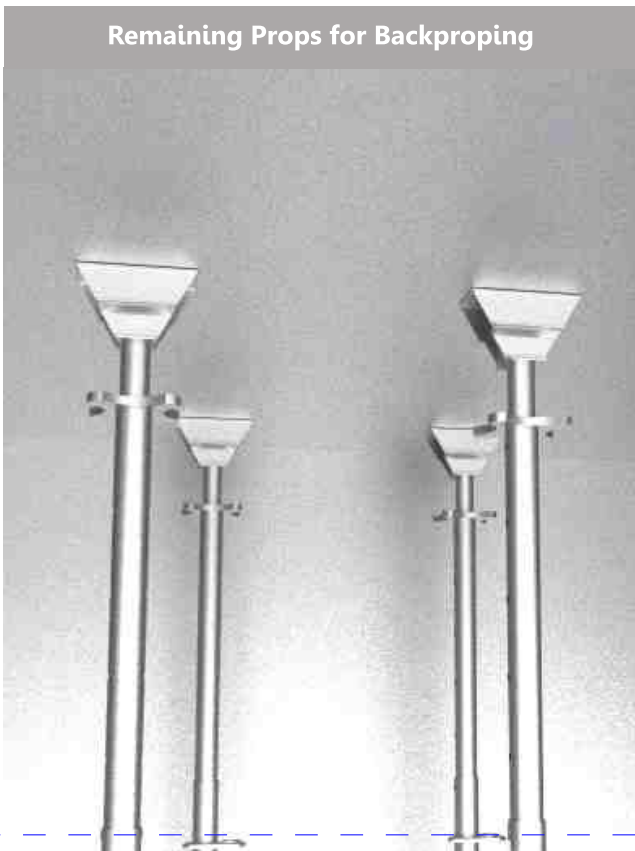
Dismantling of Beam



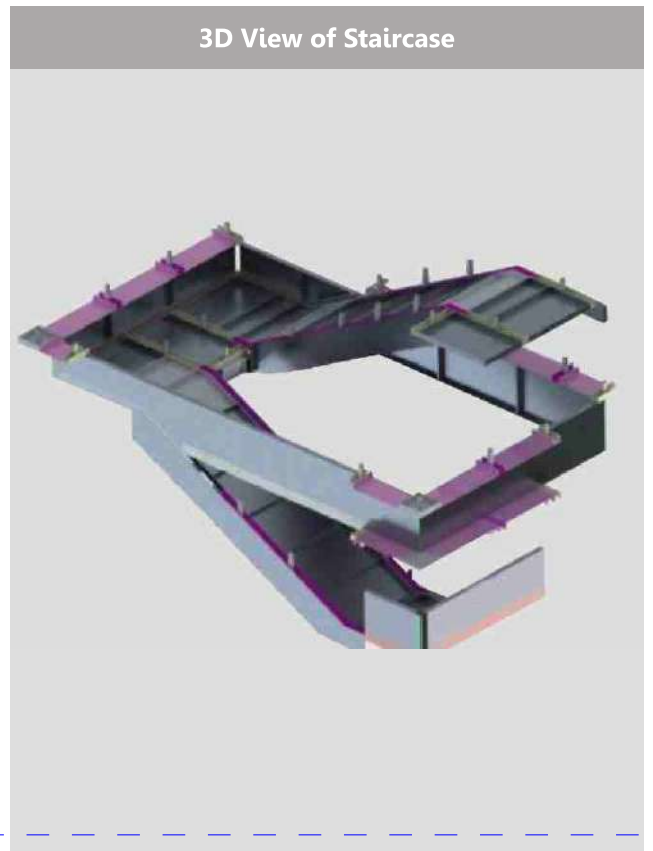
Dismantling of Slab Panel



Remaining Props for Backpropping



3D View of Staircase







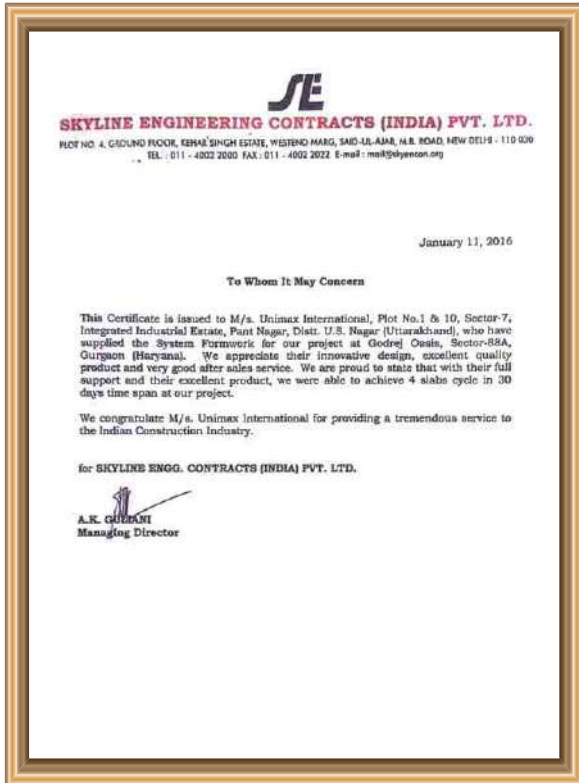
















QUALITY MANAGEMENT SYSTEM CERTIFICATION



Certificate of Registration

This is to certify that

UNIMAX INTERNATIONAL

Works: Plot No. 1 & 10, Sector - 7, Integrated Industrial Estate, Pant Nagar, Rudrapur - 263 153, District Udham Singh Nagar, (Uttarakhand), India
Head Off: Plot No. 312, G -21, Sector - 7, Rohini, Delhi, (India)

has been assessed by SGC and found to comply the requirements of

ISO 9001 : 2015
Quality Management System

For the following activities:
Manufacturer of Aluminium Form Work, Table Form Work, Drop-Down System, Aluminium Fabrication, Scaffolding and Engineering Goods.

Initial Date of Certification: Not Applicable Current Date of Certification: 24-Jan-2019

Date of Expiry: 23-Jan-2022 (Note: if filled surveillance mark is not present this certificate is invalid)

1st Surveillance Audit Jan 2020 2nd Surveillance Audit Jan 2021

Certificate Number: SG/XX - IX/01 - 996 ANZSIC Code: C - 2819



Director SG Certifications

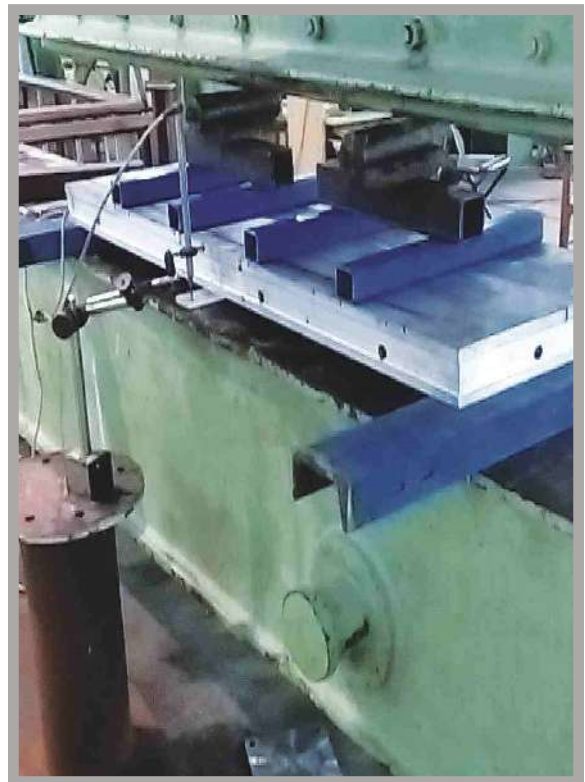
E - 23, Sector - 27, NOIDA - 201301 (U P) Ph: 9711072788 www.sgcertifications.com, email: info@sgcertifications.com

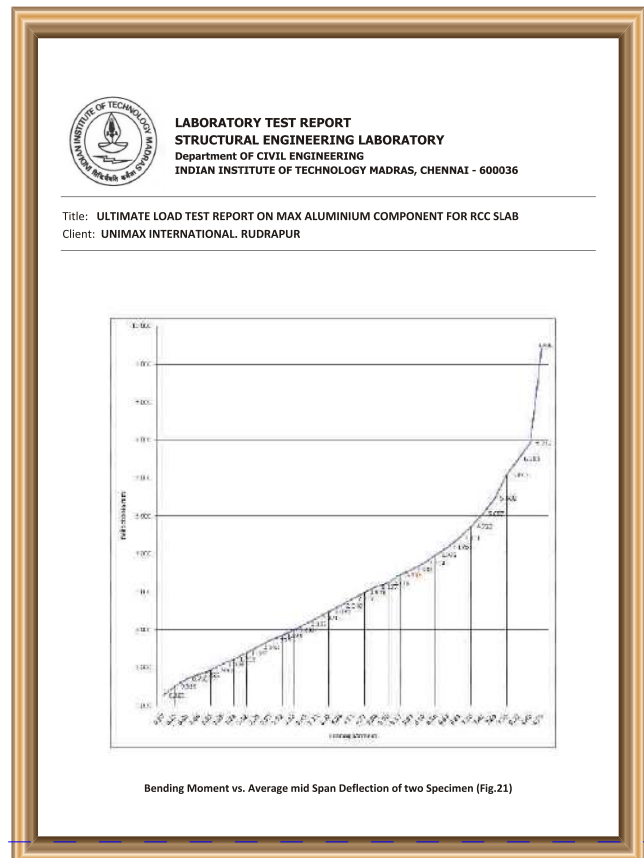
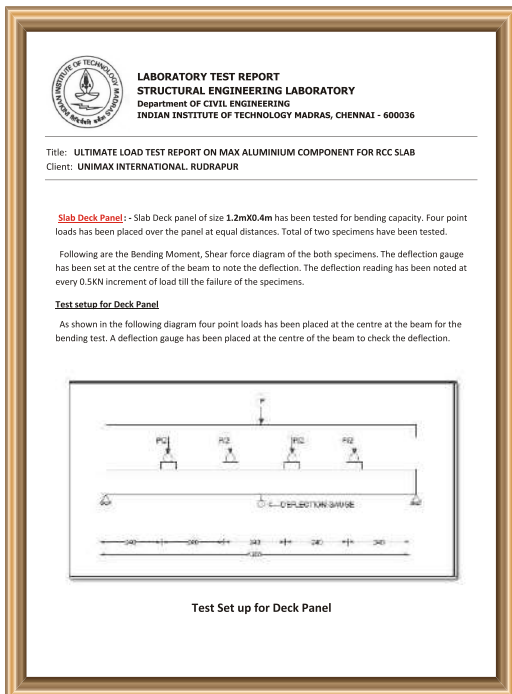
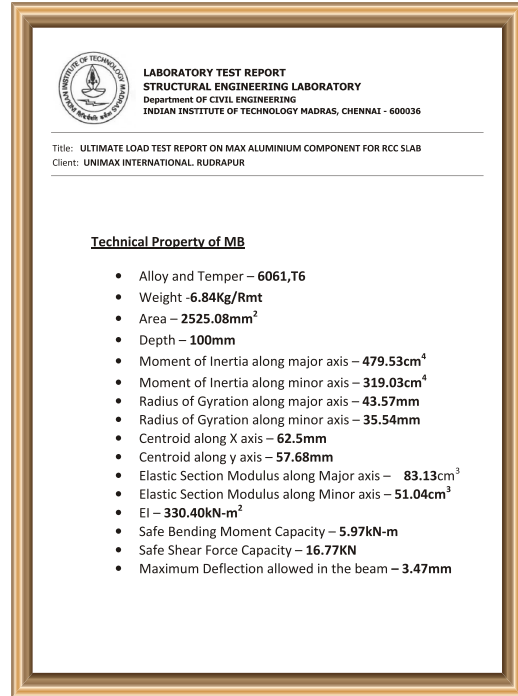
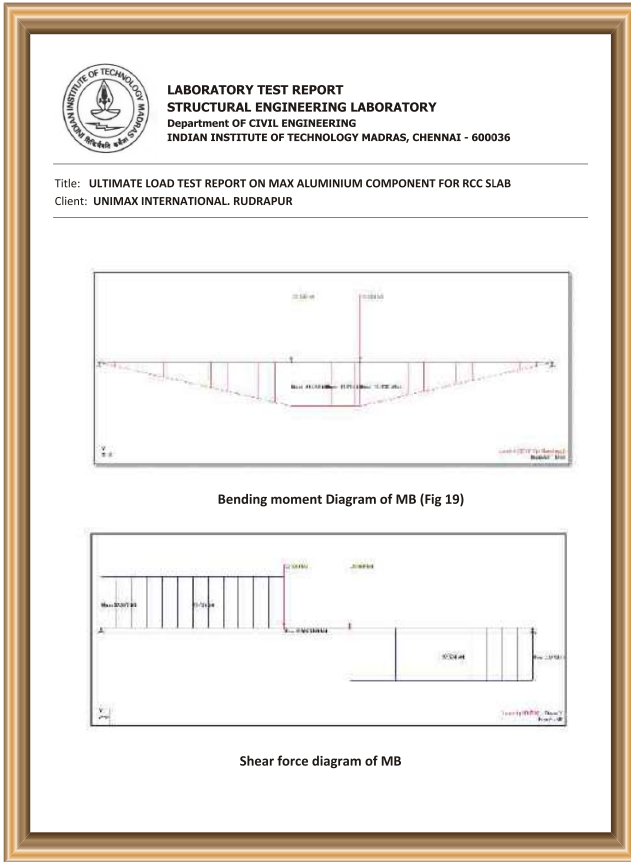




Registry information can be found at www.sgcertifications.com

Asia Pacific Quality Organization is an autonomous, non-political, non-profit, scientific & technical organisation domiciled in Asia Pacific region, incorporated in Philippines. This certificate remains the property of SG Certifications Private Limited. Must be returned if certificate is withdrawn.







**सरकार भारत**  
**Government Of India**  
**राष्ट्रीय परीक्षण गृह (एनआर)**  
**National Test House (NR)**  
 KAMLA NEHRU NAGAR, GHAZIABAD-201002  
 परीक्षण प्रमाण पत्र

**TEST CERTIFICATE**      INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र सं. : 1448875724419      जारी होने की तिथि : 17/12/2020      पृष्ठ सं. : 1      पृष्ठों की संख्या : 2  
 Test Certificate No : NTH(NR)/ML/2020/0886A      Date of Issue : 17/12/2020      Code No : 1448875724419      Page : 1      No of Pages : 2

जारी करवाया है : **VICE PRESIDENT-(TECHANICAL)**  
 Issued To :

पता : Unimax International,Plot No.18,10,Sector-7,Integrated Industrial Estate,Pant Nagar,Distt. U.S.Nagar,Uttarakhand  
 Address :

ग्राहक का संदर्भ सं. एवं दिनांक : NIL      Date : 30/11/2020  
 Customer's Ref. No. :

रजिस्टर सं. एवं दिनांक : 00995/NTH(NR)/ML/01/12/2020  
 Register No & Date :

परीक्षण सामग्री का विवरण : Tie Rod  
 Description of Test Item :

परीक्षण सामग्री का चिह्न : Sample was packed in polythene.  
 Identification of Test Item :

नमूना का विनिर्देश ( यदि हो ) : IS-1608-2005  
 Product Specification ( If any ) :

नमूना प्राप्त की तिथि : 30/11/2020  
 Date of Receipt of the Test Item :

परीक्षण प्रदर्शन की तिथि : From: 17/12/2020      To: 17/12/2020  
 Date(s) of Performance of Tests :

कायदा प्रणाली का चिह्न : IS-1608-2005  
 Method(s) used for Test :

नमूना प्रक्रिया बही प्रासंगिक हो : NA  
 Sampling Procedure where relevant :

Tested By : *Manish Kumar Mishra*      Checked By : *Ramesh Arora*      Approved By : *Ramesh Arora*  
 Manish Kumar Mishra      Scientist-SB(Mechanical)      Scientist-SB(Mechanical)

No.: NTH (NR)/GZB-5      Note : Please See Overleaf      46462  
 सूचनाएं : कृपया पृष्ठ सं. देखें।




**सरकार भारत**  
**Government Of India**  
**राष्ट्रीय परीक्षण गृह (एनआर)**  
**National Test House (NR)**  
 KAMLA NEHRU NAGAR, GHAZIABAD-201002  
 परीक्षण प्रमाण पत्र

**TEST CERTIFICATE**      INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र सं. : 1448875724419      जारी होने की तिथि : 17/12/2020      पृष्ठ सं. : 2      पृष्ठों की संख्या : 2  
 Test Certificate No : NTH(NR)/ML/2020/0886A      Date of Issue : 17/12/2020      Code No : 1448875724419      Page : 2      No of Pages : 2



Sl. No.	Test Name	Test Result	Limit
1	Tensile Test		
2	Yield Stress, MPa	278.2	
3	Tensile Strength, MPa	296.2	
4	% Elongation on gauge length of 80 mm	33.8	

टिप्पणी :  
 Note :

टिप्पणियां :  
 Remarks :

Tested By : *Manish Kumar Mishra*      Checked By : *Ramesh Arora*      Approved By : *Ramesh Arora*  
 Manish Kumar Mishra      Scientist-SB(Mechanical)      Scientist-SB(Mechanical)

No.: NTH (NR)/GZB-5      Note : Please See Overleaf      46463  
 सूचनाएं : कृपया पृष्ठ सं. देखें।

**सरकार भारत**  
**Government Of India**  
**राष्ट्रीय परीक्षण गृह (एनआर)**  
**National Test House (NR)**  
 KAMLA NEHRU NAGAR, GHAZIABAD-201002  
 परीक्षण प्रमाण पत्र

**TEST CERTIFICATE**      INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र सं. : 1448875724419      जारी होने की तिथि : 17/12/2020      पृष्ठ सं. : 1      पृष्ठों की संख्या : 2  
 Test Certificate No : NTH(NR)/ML/2020/0886A      Date of Issue : 17/12/2020      Code No : 1448875724419      Page : 1      No of Pages : 2

जारी करवाया है : **VICE PRESIDENT-(TECHANICAL)**  
 Issued To :

पता : Unimax International,Plot No.18,10,Sector-7,Integrated Industrial Estate,Pant Nagar,Distt. U.S.Nagar,Uttarakhand  
 Address :

ग्राहक का संदर्भ सं. एवं दिनांक : NIL      Date : 30/11/2020  
 Customer's Ref. No. :

रजिस्टर सं. एवं दिनांक : 00995/NTH(NR)/ML/01/12/2020  
 Register No & Date :

परीक्षण सामग्री का विवरण : 16 mm Dia Bolt.  
 Description of Test Item :

परीक्षण सामग्री का चिह्न : Sample was packed in polythene.  
 Identification of Test Item :

नमूना का विनिर्देश ( यदि हो ) : IS-5242-1979  
 Product Specification ( If any ) :

नमूना प्राप्त की तिथि : 30/11/2020  
 Date of Receipt of the Test Item :

परीक्षण प्रदर्शन की तिथि : From: 17/12/2020      To: 17/12/2020  
 Date(s) of Performance of Tests :

कायदा प्रणाली का चिह्न : IS-5242-1979  
 Method(s) used for Test :

नमूना प्रक्रिया बही प्रासंगिक हो : NA  
 Sampling Procedure where relevant :

Tested By : *Manish Kumar Mishra*      Checked By : *Ramesh Arora*      Approved By : *Ramesh Arora*  
 Manish Kumar Mishra      Scientist-SB(Mechanical)      Scientist-SB(Mechanical)

No.: NTH (NR)/GZB-5      Note : Please See Overleaf      46464  
 सूचनाएं : कृपया पृष्ठ सं. देखें।




**सरकार भारत**  
**Government Of India**  
**राष्ट्रीय परीक्षण गृह (एनआर)**  
**National Test House (NR)**  
 KAMLA NEHRU NAGAR, GHAZIABAD-201002  
 परीक्षण प्रमाण पत्र

**TEST CERTIFICATE**      INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र सं. : 1448875724419      जारी होने की तिथि : 17/12/2020      पृष्ठ सं. : 2      पृष्ठों की संख्या : 2  
 Test Certificate No : NTH(NR)/ML/2020/0886A      Date of Issue : 17/12/2020      Code No : 1448875724419      Page : 2      No of Pages : 2

Sl. No.	Test Name	Test Result	Limit
1	Shear Strength(MPa)	375.1	

टिप्पणी :  
 Note :

टिप्पणियां :  
 Remarks :

Tested By : *Manish Kumar Mishra*      Checked By : *Ramesh Arora*      Approved By : *Ramesh Arora*  
 Manish Kumar Mishra      Scientist-SB(Mechanical)      Scientist-SB(Mechanical)

No.: NTH (NR)/GZB-5      Note : Please See Overleaf      46465  
 सूचनाएं : कृपया पृष्ठ सं. देखें।

# Project References : Northern India



Project - Hero Homes, Gurugram



Project - Godrej - South Estate - Okhla



Project - Krisumi City Waterfall Residence- Gurugram



Project - Sobha City - Gurugram



Project - Godrej - Meridien-Gurugram



Project - Godrej - Air, Gurugram

# Project References : Northern India

WWW.MAXFORMWORK.COM



Project - Apex The Kremlin - Ghaziabad



Project - Godrej - Habitat, Gurugram



Project - AMBIKA Florence Park, Punjab



Project - CRC-Sublimis, Greater Noida



Project - SAM India-HMEL Township, Bhatinda (Punjab)



Project - Rishita - Mulberry Heights, Lucknow

# Project References : Northern India



Project - M3M Corner Walk, Gurugram



Project - Alpine Group Housing, Noida



Project - Arocon Rainbow, Ghaziabad



Project - Gulshan Homes, Greater Noida



Project - M3M - Heights 65th Avenue, Gurugram



Project - Saviour GreenArch, Noida

# Project References : Northern India

WWW.MAXFORMWORK.COM



Project - M3M- Broadway- Gurugram



Project - Godrej Icon, Gurugram



Project - Pyramid- Affordable Group Housing-Gurugram



Project - SOHO-Misty Heights, Noida,



Project - TATA Housing - New Heaven - Bahadurgarh



Project -Mahagun MY WOODS, Noida

# Project References : Northern India

WWW.MAXFORMWORK.COM



Project - Anriksh Grand View- Noida



Project -ELITE NOIDA Golf Green



Project - Mahima-Subhe Nilay, Jaipur



Project - Monte Carlo-REGAL EMPORIA Greater Noida



Project - GODREJ OASIS, Gurugram



Project - GLS Infra-Arawali homes, Gurugram



# Project References : Northern India

WWW.MAXFORMWORK.COM



Project - Pyramid - Urban Homes - Gurgaon



Project - SHRI RADHE AQUA GARDEN, Noida



Project - Mahagun Meadows, Noida



Project - Tata Housing, Bajghera, Gurgaon



Project - Aakriti Shantiniketan, Noida



Project - Mahagun MIRABELLA, NOIDA

# Project References : Northern India



Project - Express Astra, Greater Noida



Project - Hombale - CRPF Campus Kadarpur, Gurugram



Project - Alpine Infra Sec-01, Noida



Project - Godrej Woods 43, Noida

# Project References : Southern India



Project - Sobha- Lulu Tech Park, Kochhi



Project - Sai Construction- Godrej Nurture, Bangalore

# Project References : Southern India

WWW.MAXFORMWORK.COM



Project - Sobha-Azim Premji University, Bangalore



Project - Star worth-Ajmera Lugaano, Bangalore



Project - Assetz - Earth & Essence, Bangalore



Project - Assetz - leaves-Lives, Bangalore



Project - Assetz-Soul & Soil, Bangalore



Project - Godrej 24, Bangalore

# Project References : Southern India

WWW.MAXFORMWORK.COM



Project - SPCL-APTIDCO Housing Project, Hyderabad



Project - Keya Homes-The Green Terraces, Bangalore



Project - Sai Kalyan Ultima Smart Homes - Bangalore



Project - KMV- APTIDCO Vijayawada, Guntur



Project - SVS- Lansum Etania, Hyderabad



Project - SVS- My Homes Twitza, Hyderabad

# Project References : Southern India

WWW.MAXFORMWORK.COM



Project - Sai Construction- Godrej Nurture, Bangalore



Project - Godrej- Royalewoods, Bangalore



Project - JMC - RGA Tech Park, Bangalore



Project - Metro Buildwell - GAR Laxmi Infobahn, Hyderabad



Project - KPC- T-HUB, Hyderabad



Project - Sobha - Infosys, Hyderabad

# Project References : Western India



Project - Godrej Boulevard Sec. 7, Manjari, Pune



Project - Godrej Hill Side Sec R7, Pune



Project - Lodha Casa Plava II - Mumbai



Project -Paranjape-The Broadway Wakad, Pune



Project - Assotech Hills, Ranchi



Project -Godrej River Green, Pune

# Project References : Western & Eastern India

WWW.MAXFORMWORK.COM



Project - Brahma Corp - Bentley Homes, Pune



Project -Kalpataru, Immensa, Mumbai



Project - Godrej Hill Side Sec R4-A, Pune



Project - DN Homes Fairytale, Bhubaneswar



Project - Sobha- Dream Heights, Gujarat



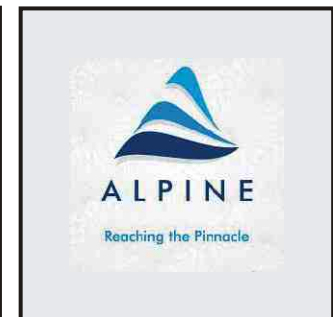
Project - ACC- 88 East Alipore, Kolkata

# Our Prestigious Clients





# Our Prestigious Clients



# Notes







# MAX GROUP

PERFECTION WITH PASSION

## UNIMAX INTERNATIONAL

**Works :**

Plot No. 1&10, Sector 7, SIDCUL, Integrated Industrial Estate Rudrapur, Uttarakhand (India)

**Mob :** +91 9759003519

**Head Office :**

Pocket G-21, Plot No 312, Rohini Sector - 7  
New Delhi- 110085

**Mob :** +91 9650233944

---

**Regional Offices**

**RAI (Haryana)**

Plot No. 1291-92 & 1293-94, HSIIDC Industrial Area, Rai Sonipat, Haryana -131029.

**Bangalore (Karnataka)**

Plot No.248, Obadenahalli Industrial Area, Doddaballapura 3rd Phase, Bangalore-561203

**Hyderabad (Telangana)**

Plot No. 44/ Part 45 & 46, Gopanpally Village, Serilingampalle Mandal, Ranga Reddy, Dist. Hyderabad (TS)-131029.

**PUNE (Maharashtra)**

59/3, Opp. Ambekar Hotel, Pisoli Under Bypass Road, Undri Tal - Haveli, Pune Maharashtra - 411060

**Mumbai (Maharashtra)**

Plot No 149, Old Khopoli Road, Ajivali Village, Panvel, Navi Mumbai - 410206

**Vijayawada (Andhra Pradesh)**

Plot No. 241, Auto Nagar Industrial area, Mangalagiri, Guntur, Distt. Andhra Pradesh - 522503 .

---

**Sales :** +91 9810298430, +91 9717392200/01 **Direct :** +91 9810598450, +91 9810598430

**E-mail -** info@maxformwork.com, info@unimaxformwork.com, nitin@maxformwork.com

**Website -** www.maxformwork.com