

Innovative | Modular | Construction

Modular Construction is the...

Next big thing in construction industry for this decade





Let us Introduce...

Our Company and Back History



We identified a problem

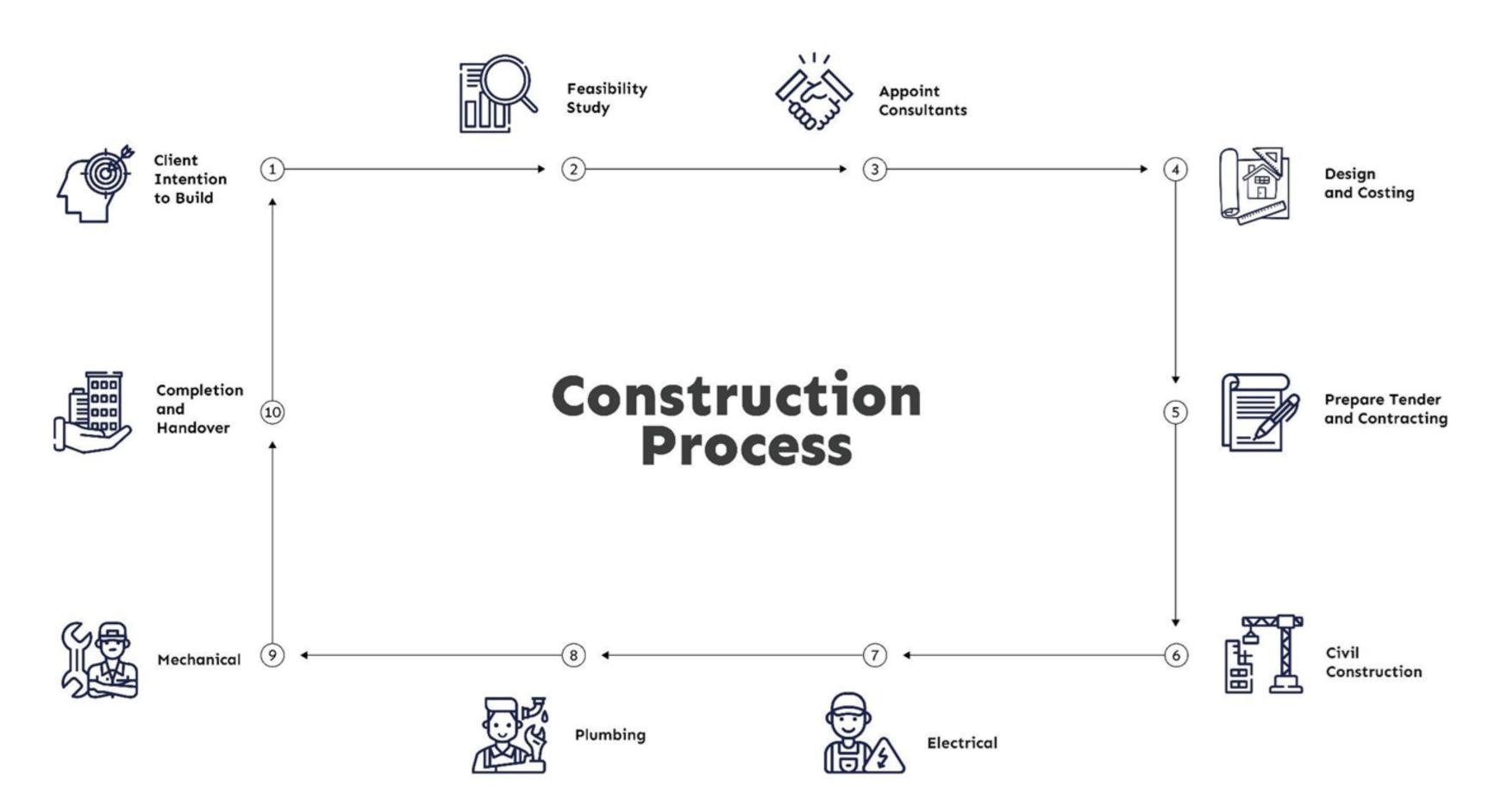
As a developer, company faced number of production related issues, which led to scouting of prefab techniques available in the market. Unfortunately, there was no method which 100% satisfied the need and user friendly.



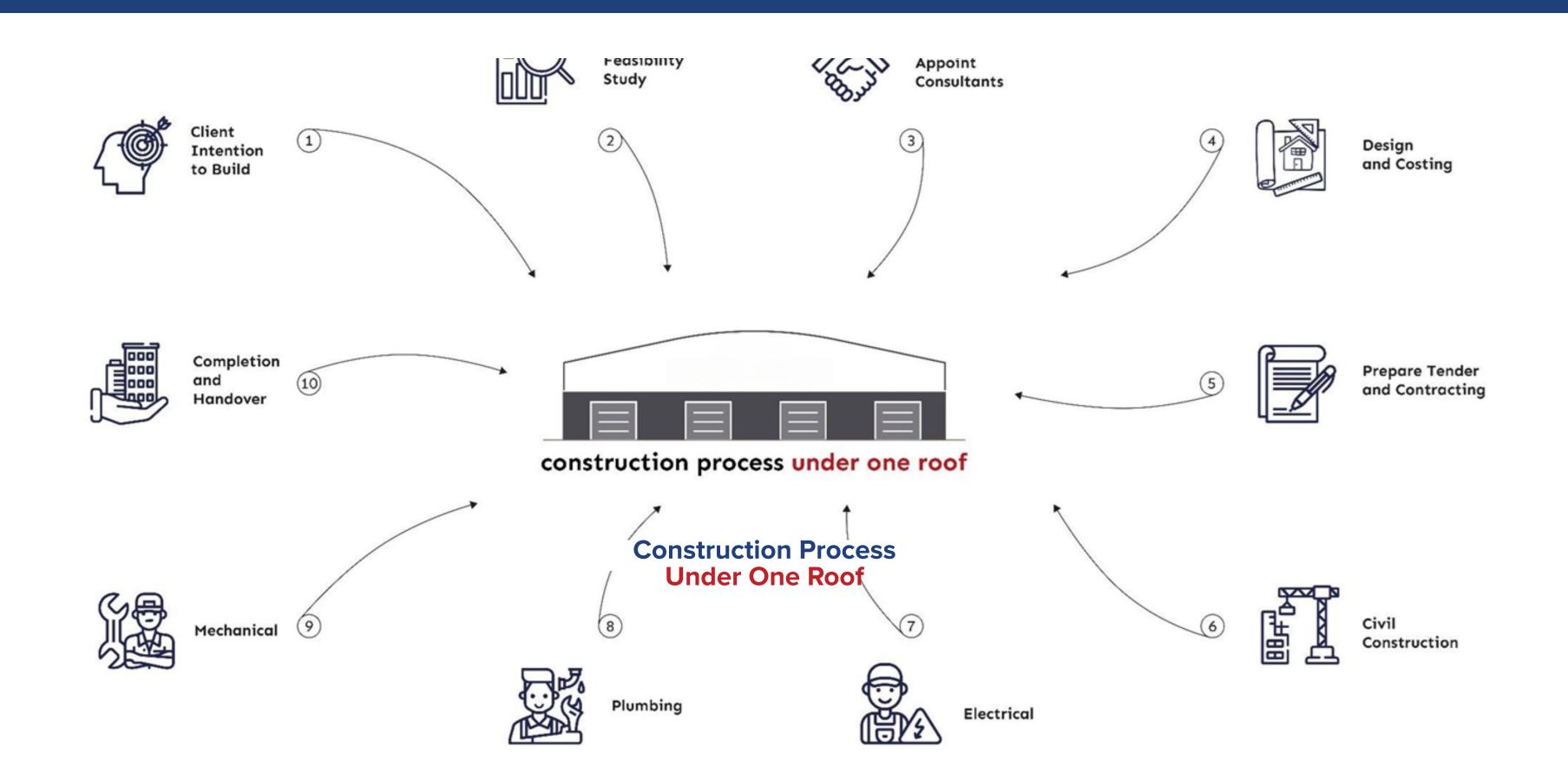
We come up with the solution

In 2014, Moduco was established with the vision of breaking the limits of conventional method of construction and to develop sustainable way of securing environment without compromising the quality. The technique also resolved high inventory holding issues.



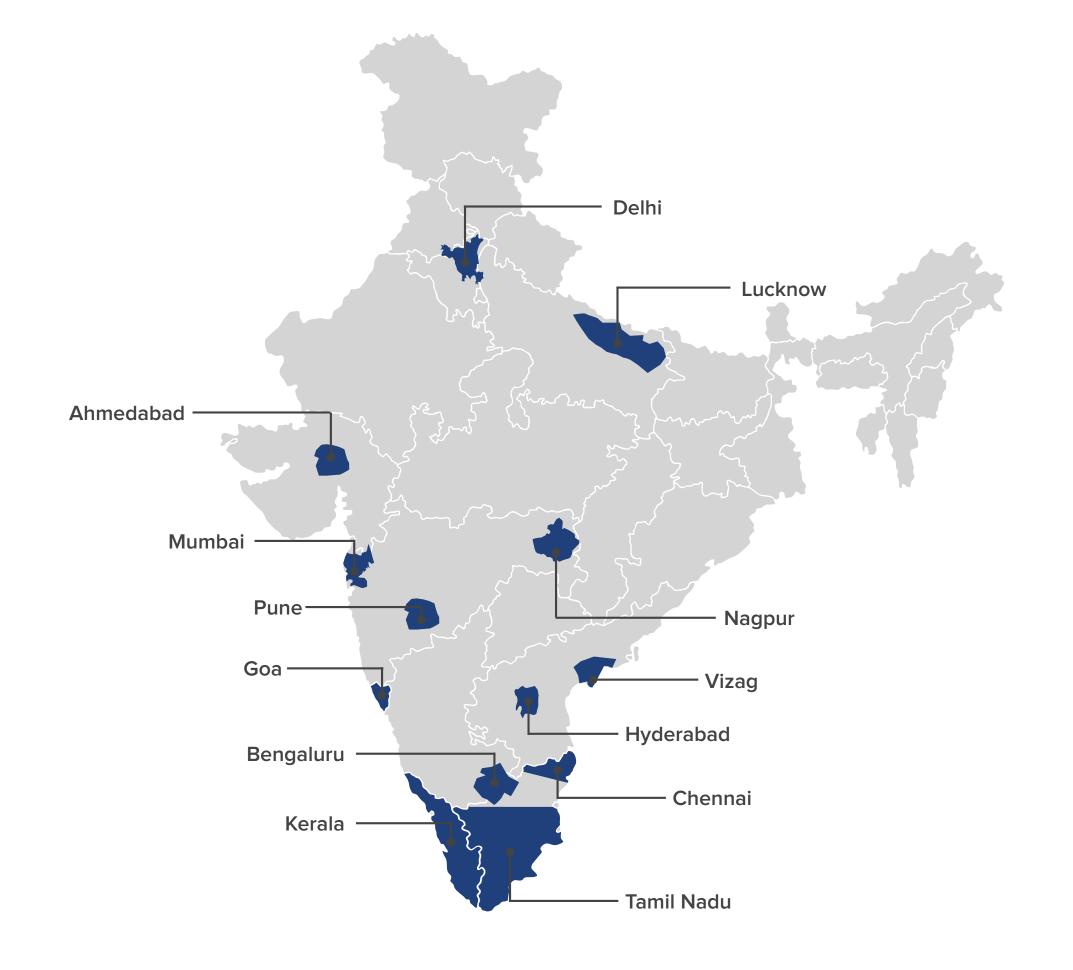






We Started from Surat...

Presence in India





We Stretched our Boundaries...

Our Global Presence

India | USA | Canada | Mexico | Africa | UAE-GCC | Australia





Efforts of Our Team...

Our Achievements



Realty Plus awards
for Best Upcoming Developer of the year



Realty Plus awards for Themed Project of the year



Most Admired Upcoming Project
of the Year by Zee Business Themed
Project of the Year- "NATURA", Estrade
awards Singapore















Our Achievements

Moduco and Puerto Verde Holdings signed a Memorandum of Understanding (MOU) for manufacturing construction units in Texas, USA. This momentous occasion took place during a delegation visit led by the honourable Governor of Texas, Mr. Greg Abbott, accompanied by the first lady and esteemed fellow members at hotel Oberoi, Mumbai -India on Jan 2024.





Our Team



Naitik Lakhani Founder & CEO



Pritesh Soni
Director-Production



Deepika Lakhani Co- Founder, Admin



Ar. Pragna Krishna

Director Sales
India, Australia, UAE-GCC



Jackelin Reynoso

Director Sales
- MAC (Mexico, USA, Canada)



Reichert Gerhard
Kling Consultancy,
UAE



Joshua Pinto

Executive

Manager, India



Disha Jain
Sr. Admin &
Lead Manager, India



Vijay Vaja R&D Manager, India



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Know us Better...

We Help to Design, Build and Install

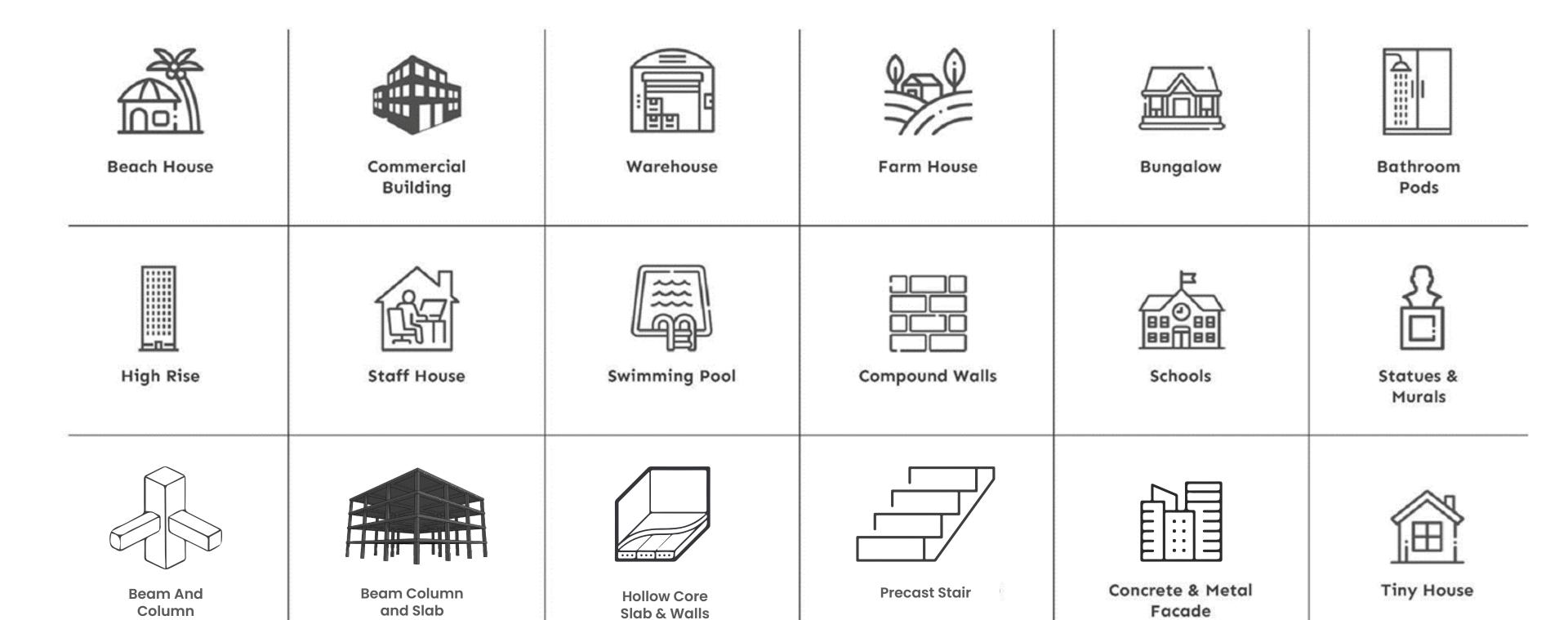








Our Products



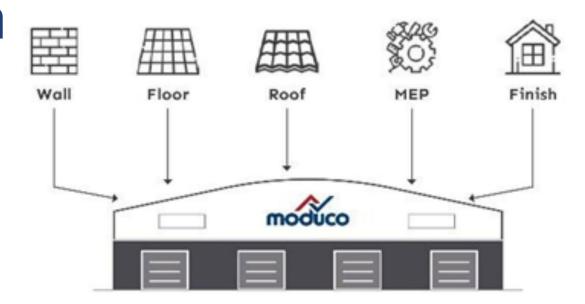


The Modular Process...

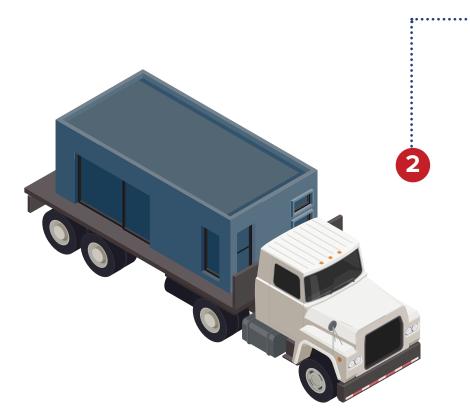
What is

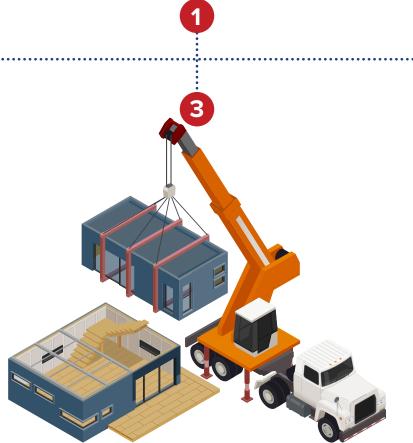
Modular Construction

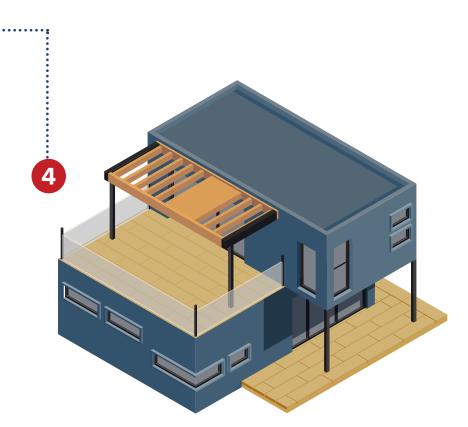
The modular construction products are manufactured in the factory, transported to location and assembled on site, thus known as factory-built.













Why to Select

Modular Construction







Up To 24 Floors



Earthquake Resistant



Fully Mortgageable



British Standard Codified



Low Carbon Footprint



Short Build Time



Fixed Cost Guarantee



Factory Built Quality



Fixed Time Guarantee



Maintenance (30-50% Cheaper)



90% Built Offsite



Advantages of Modular Construction











Environment Friendly Process

Modular construction reduces waste and site disturbance compared to site-built structures.

02 Indoor Construction

Assembly is independent. of weather, which can increase work efficiency and avoids damage building material.

Cooler Temperature

Unlike conventional homes, Modular Homes are cooler by 3 degree C as the wall has filling

All Weather Proof/Location

These Modular Homes are designed to withstand all kinds of weather and climates in the remotest locations.



One can continually add to a modular building, including creating high rises.



Advantages of Modular Construction



Super Structure

Modular Home has higher stability as its built with steel rail frames giving the structure 10X times more strength than Conventional RCC Column & Beam Structure.

With the same plans being constantly built, the manufacturer has records of exactly what quantity of materials are needed for a given job. While waste from a site-built dwelling may typically fill several large dumpsters, construction of a modular dwelling generates much less waste. Waste can be recycled.

Ability to Service Remote Locations

Particularly in countries in which potential markets may be located far from industrial centres, such as Australia, there can be much higher costs to build a site-built house in a remote area or an area experiencing a construction boom such as mining towns.

Speed of Construction

Modular construction allows for the building and the site work to be completed simultaneously. This saves a lot of time and due to that we get faster return of our investment.



Live Pictures of Our Construction Work...

Overview of Indoor and Outdoor Productions



















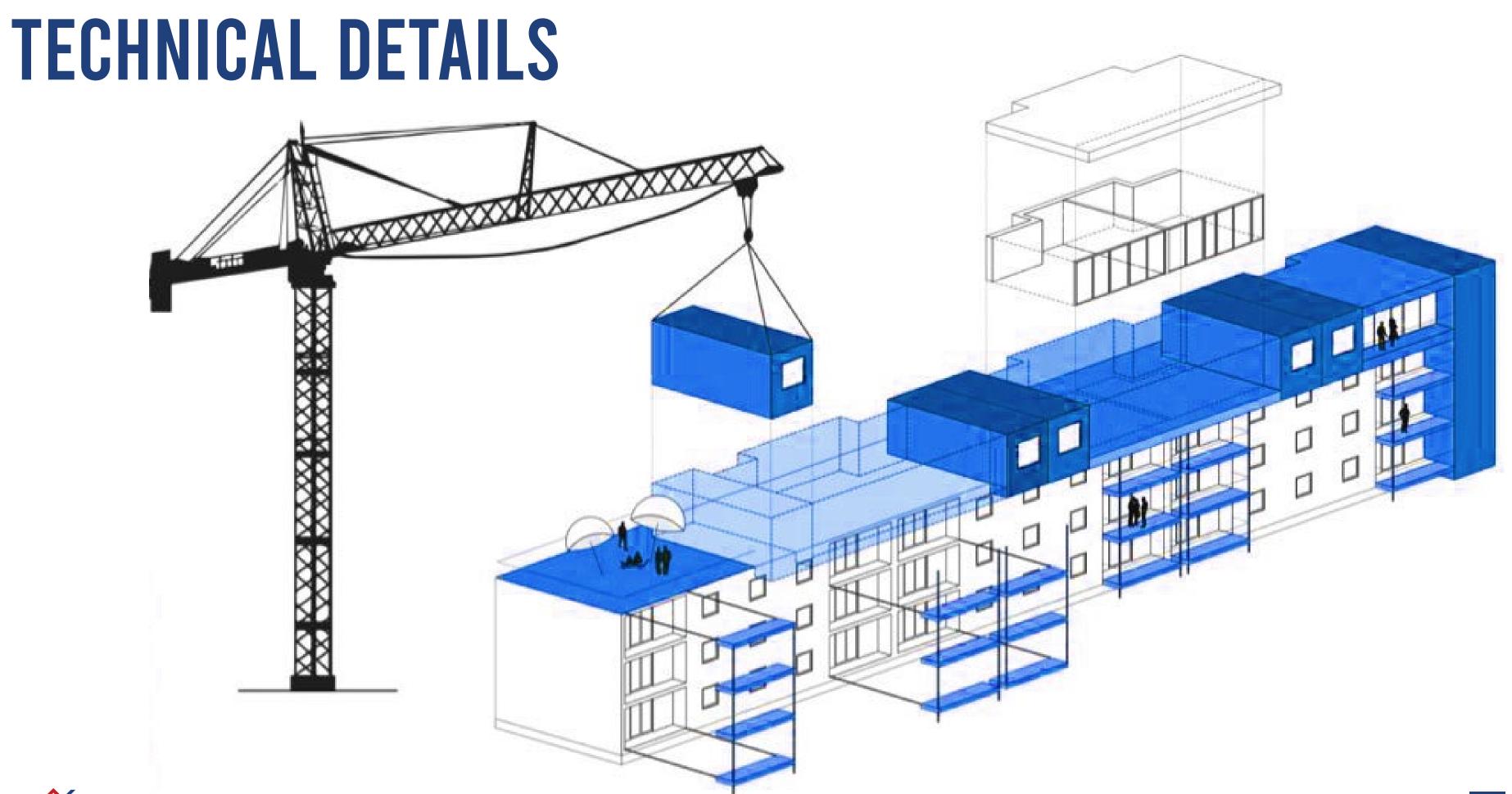


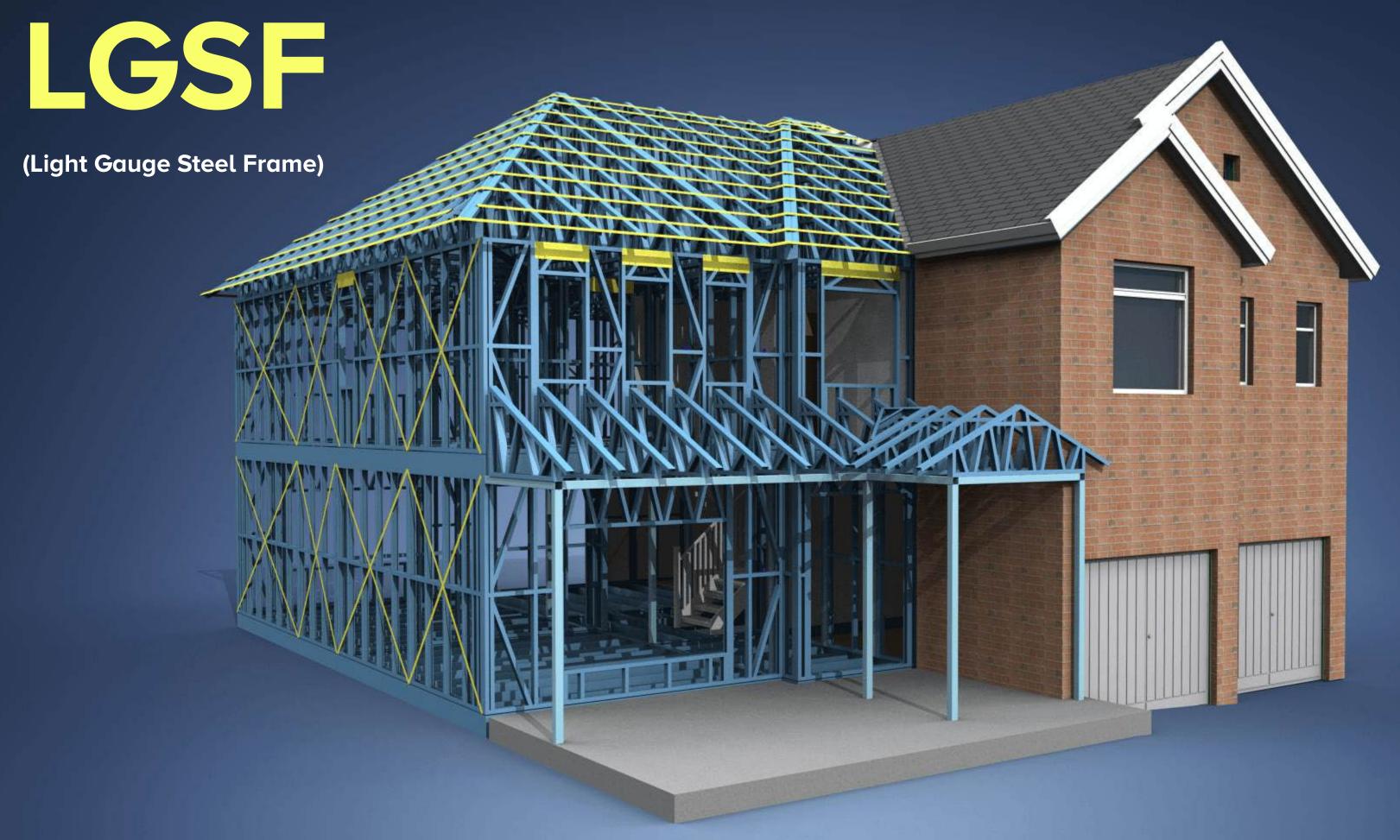








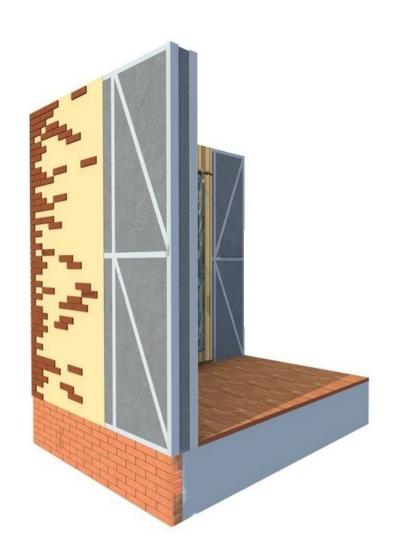


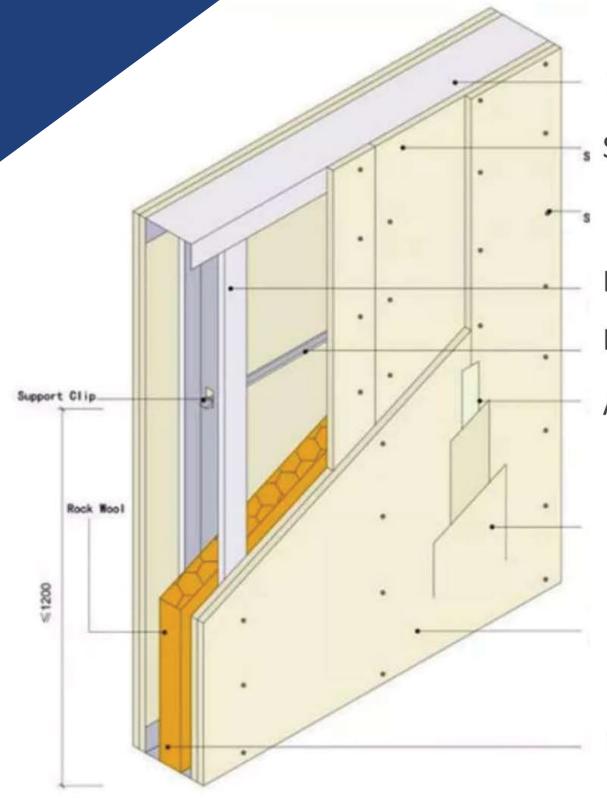




LGS Wall Panel Section view

REMOVABLE MODULAR CONSTRUCTION (RMC)





LGS Panel Horizantal Stud

Screw Pitch

LGS Panel Vertical Stud

LGS Panel Horizantal Stud

Anti Cracking Joint tape

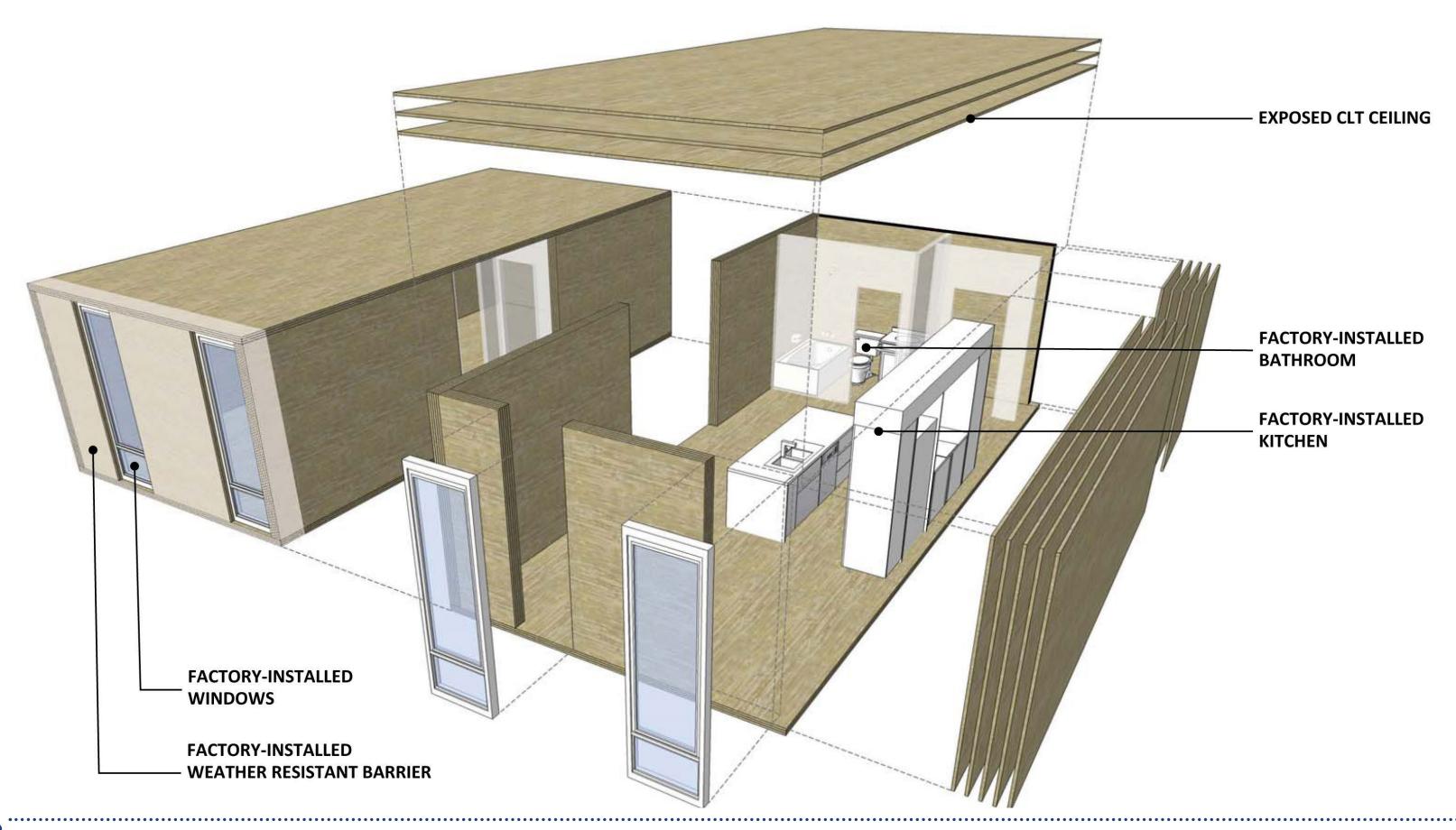
Sealant layer

Fiber Cement Board 2nd layer for Outer surface

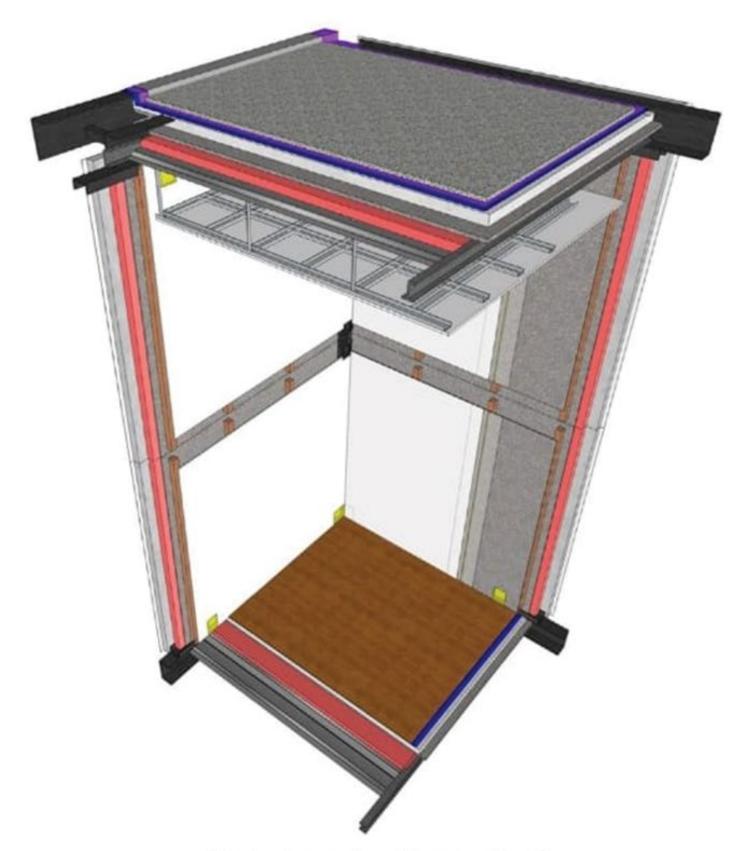
Glass Wool / Rock Wool



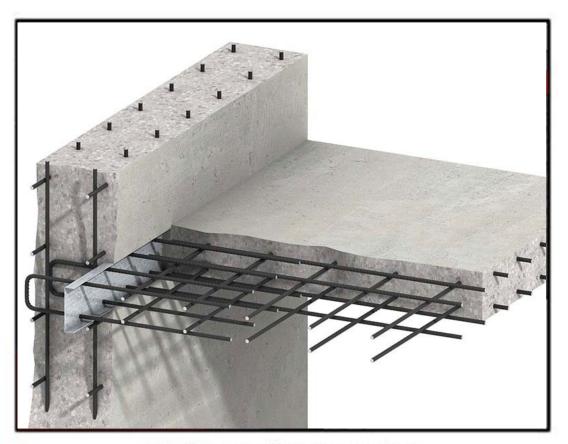
2 BED, 2 BATH RESIDENTIAL UNIT TWO PREFABRICATED MODULES COMBINED ON SITE



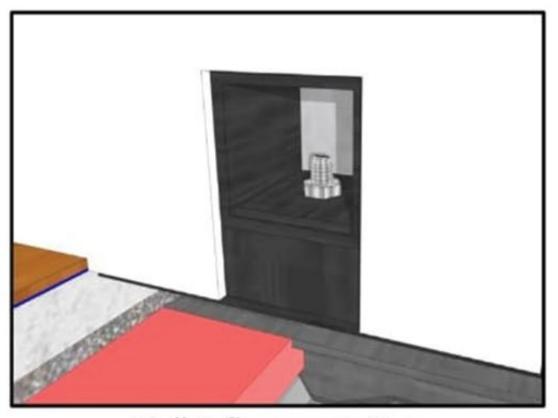




Typical construction method



Wall to wall connection



Wall to floor connection

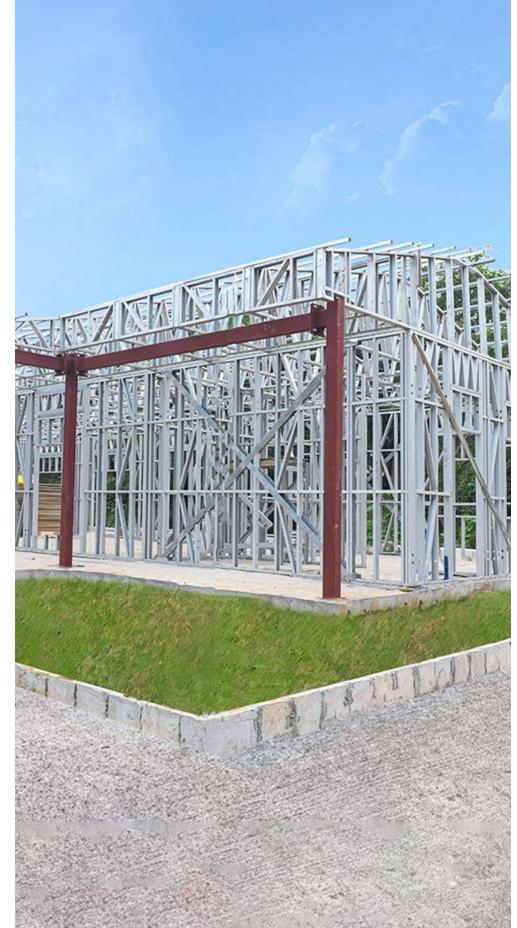




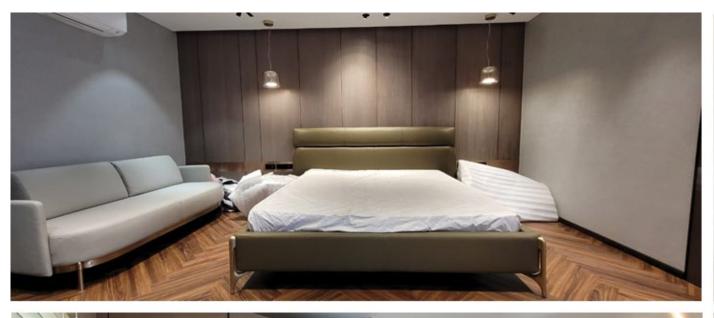


















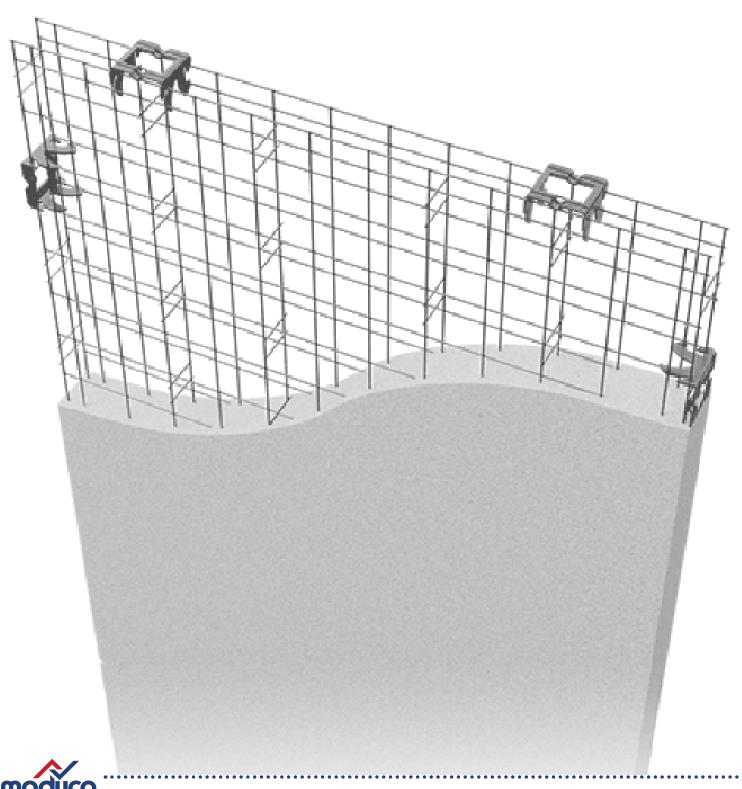


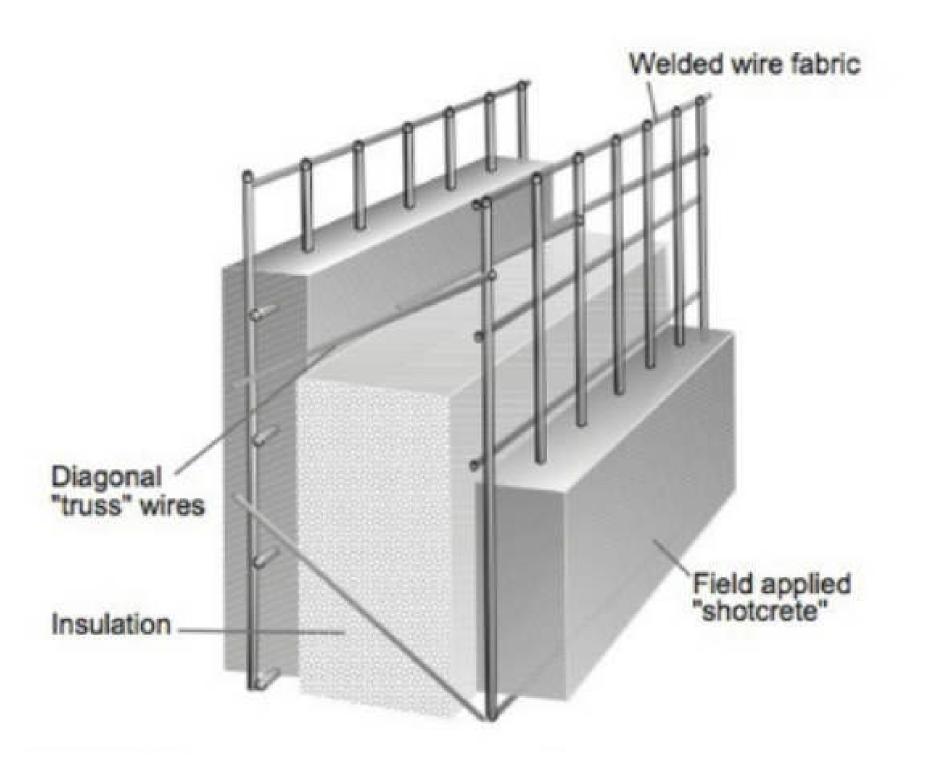


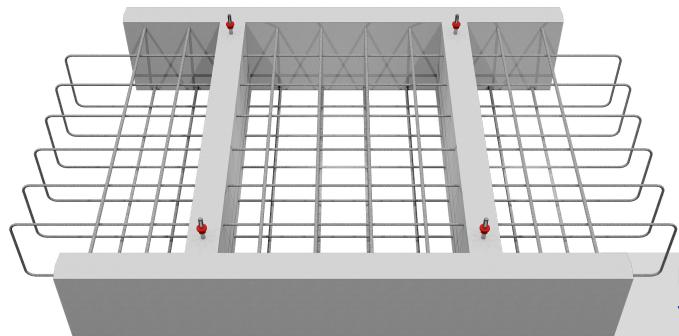




Hybrid Thermo Concrete







Precast STRIP Foundation for precast walls

Precast STRIP foundation

The precast foundation is a reinforced concrete element made up of a tied rebar beam cage incorporated within a semi-precast concrete element which acts as formwork. The geometric dimensions and the steel area are established through static calculations elaborated according to the distributed of loads N, Mx, Tx, My, Ty and the pt pressure admissible on the terrain. The horizontal rebars, jet out from the two internal precast walls, are necessary to join all the precast foundations with one another.

Dimensions

The Precast Foundation can be produced in different forms and dimensions to satisfy every design and structural need.

ASSEMBLY

During the assembly process, the precast foundations (1) are placed directly on the ground, which has previously been prepared. The first casting of the concrete (2) is necessary in order to join the precast foundations with one another (3) and create a fixed continuous footing.

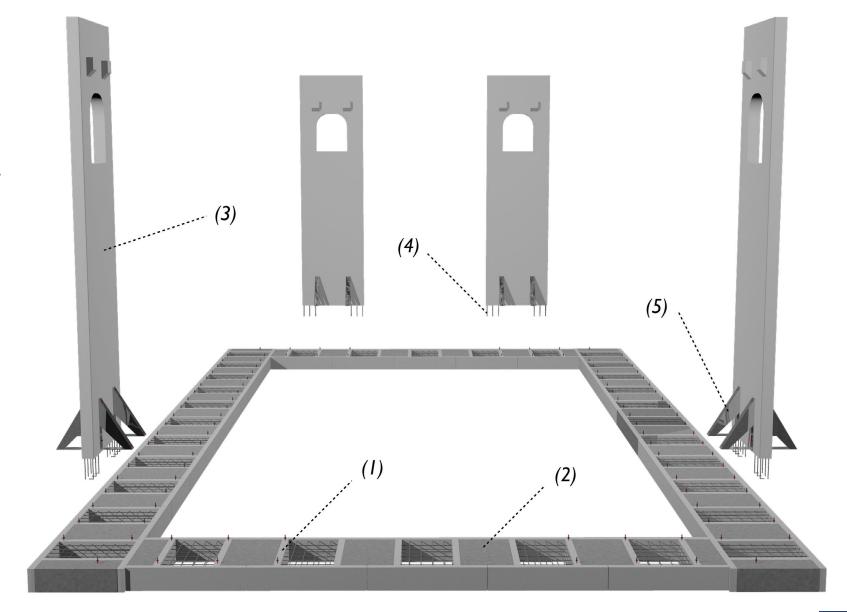
The connection between the precast foundations is made by overlapping the rebars jetting out horizontally from the precast elements.

When the concrete of the first casting is set, the precast walls (3) are mounted on the foundations and the bent rebars jutting out from their bases (4) are inserted inside the Foundation elements. A second casting of concrete embeds the walls' rebars inside the precast foundations. The work is completed with the removal of all adjustment devices (5).

For the assembly and alignment of the precast wall, adjusting devices are used. These allow an easy, fast and precise installation.

During the production phase of the Precast Foundation, four anchor bolts are left within the central concrete walls, while the precast wall is equipped with eight threaded couplers. The adjusting devices are fixed to the anchor bolts using nuts and to the precast wall using bolts.

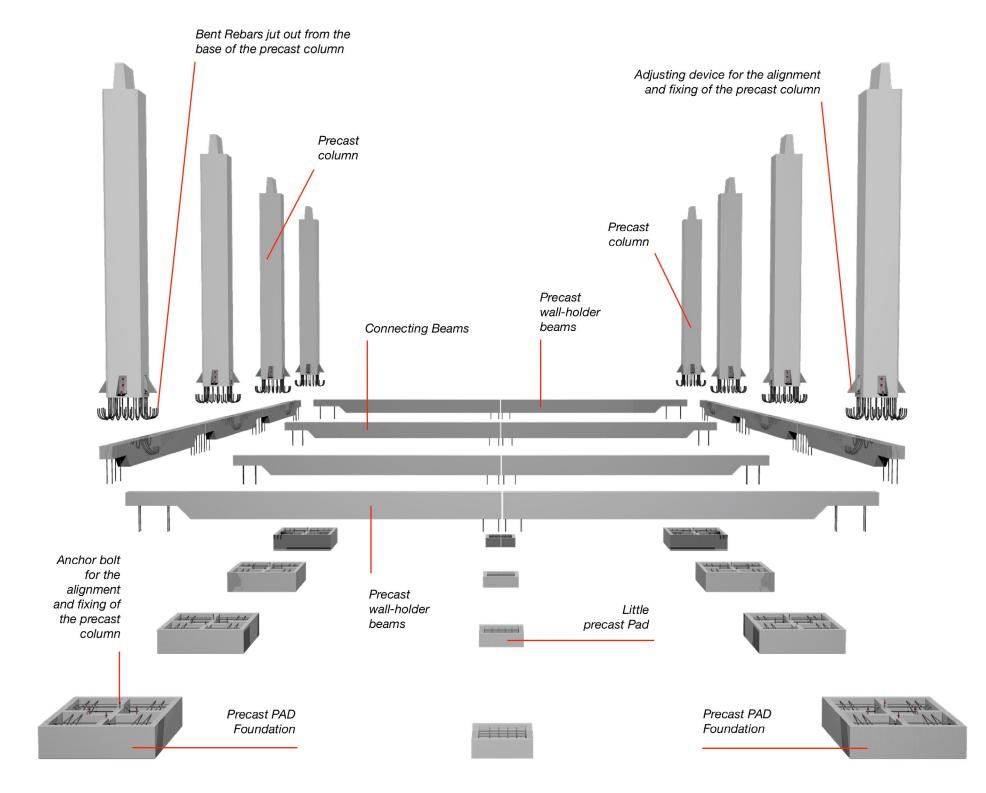
This system not only allows the precast wall to be aligned with pinpoint precision, but also eliminates any use of braces during the assembly phase.

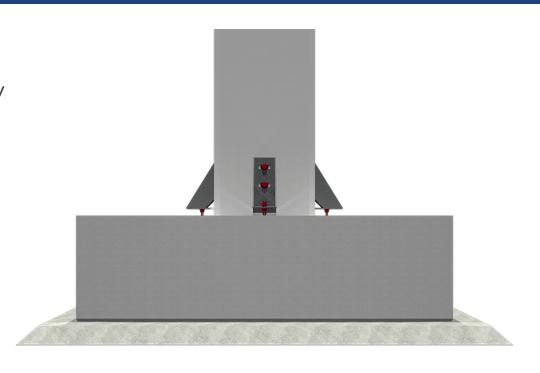




The four adjusting devices will be dimensioned in relation to the weight and other strains to which the precast wall is subject and are used merely for assembling the elements.

When the second part of the concrete inside of the precast foundation is set, all the adjusting devices are removed.





CONNECTING BEAMS

The precast element has been studied technically so as to obtain a perfect connection between the Precast Foundation and any connecting beams necessary for reducing the lateral and longitudinal strain caused by seismic action on the structure. After assembling the precast columns, the connecting beams are connected to the foundations through the rebars that jut out vertically. The connecting perimeter beams of the structure will also serve as panel beams for the precast panels and will therefore be dimensioned accordingly.

In order to optimize the dimensioning of the connecting beams, little precast pads may be used in order to support the connecting beam in the middle point. The connecting beam can be precast or cast-in situ.





The use of the **Precast Foundation** eliminates all those inconveniences that crop up during the construction of foundations using traditional methods (for example, cast-in-place), aiming to halve the costs involved in constructing a foundation structure, greater jobsite safety for workers and a turnaround speed without precedence.

Unlike traditional systems used in the construction of foundations, the use of our product does not require the additional presence of skilled workers and auxiliary tools (formwork, boards, nails, hammers, pincers, shears, etc.).



ELEMENTS

















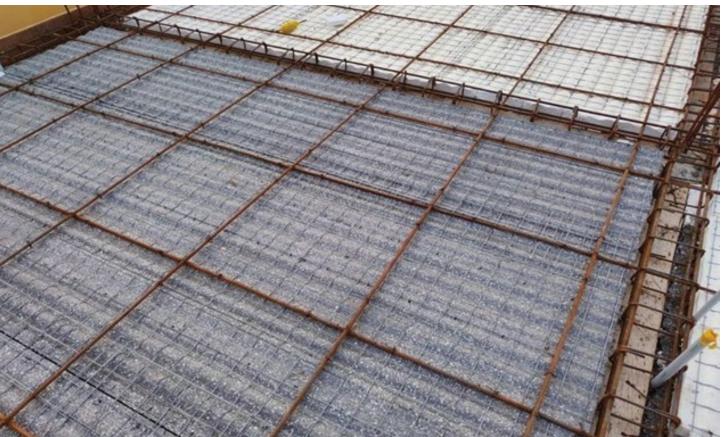




Bareshell













PRODUCTION PROCESS

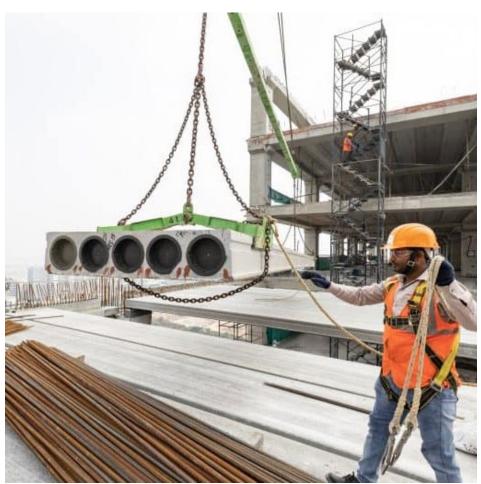






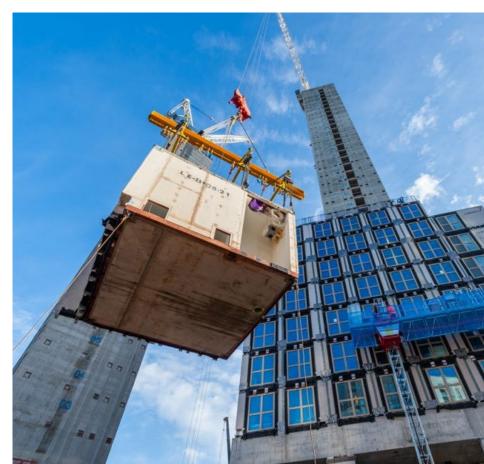
















OUR PROJECTS



Celestial Villa
Product Type: Bunglow



Patel Mansion
Product Type: Bunglow



Canopus House Product Type: Weekend



Natura Leaf House Product Type: Weekend



Bilss Home Product Type: Bunglow



Insta Villa
Product Type: Weekend



Stielo Product Type: Villa



Eco HomeProduct Type: Home



Breeze CottageProduct Type: Weekend



Breeze Cottage PlusProduct Type: Weekend



Acropolis
Product Type: Commercial



Sagar Life Science Product Type: Factory

S TO DOWNLOAD OCHURE



Concept Medical
Product Type: Commercial



Mahek Icon
Product Type: Site Office



Fortune Developers
Product Type: Site Office



Atlantis
Product Type: Site Office



SpitiProduct Type: Site Office



Swan Lake
Product Type: Weekend



TempleProduct Type: Temple



Courtyard Marriot
Product Type: Mural



Omkar Product Type: Site Office



Standard FoundationProduct Type: Statue



Bathroom Pod Product Type: POD



Swimming PoolProduct Type: Pool



HerculesProduct Type: Mansion



Carabian
Product Type: Beach House



Cabana Product Type: Weekend



Suites
Product Type: Resort



Ellington
Product Type: Villa



Staff AccommodationProduct Type: Quaters



OWN
Product Type: Vila



MD65210 Product Type: Villa



Md903201 Product Type: Villa



Md722100 Product Type: Villa



Md86201 Product Type: Villa



MD63110 Product Type: Villa



Md932220 Product Type: Villa



MD30112 Product Type: Villa



MD361110 Product Type: Villa



MD60110 Product Type: Villa



MD162320 Product Type: Villa



MD601100 Product Type: Villa



Beach HouseProduct Type: Villa

Our Partners...

Our Clients









Our Vision, Mission, And Our Values



Solving problem and Optimize efficiency in the construction industry



Global presence breaking Geographic limitation



Support the cause of "Housing For All" by Offering affordable housing in association with government program to give back to society



Naitik Lakhani
Founder & CEO

"In the evolving landscape, the world is swiftly transitioning, with manufacturing embracing 80% technology and 20% manual machinery. Strikingly, the construction industry stands in reverse. Even in this golden age of technology, construction persists in manual processes. Post-COVID, it is high time we embrace the change. Whether today or tomorrow, change is inevitable. The wise embrace it early, securing the benefits of transformation."



Pritesh Soni
Director-Production

"In the contemporary landscape, Moduco oversees a diverse range of projects all under one roof, ensuring the delivery of a comprehensive product right to your doorstep. In today's construction industry, there are prevalent challenges, notably the timely completion of projects and shortages in manpower. Moduco adeptly addresses both these issues by providing solutions. We specialize in constructing all the essential elements for various structures, including villas, bungalows, factories, hospitals, and more."









Testimonials...



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Authenticity



























We Strongly Believe, With Our Products We Can Influence & Make Positive Difference In Community, Industry And Environment.





























