KER

Systems & Solutions

PRODUCT CATALOG 2024

Scaffolding, Formworks, & Shoring Solutions

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KER

Systems & Solutions

About Us

Welcome to KER Systems & Solutions Corp., your trusted partner in Scaffolding, Formworks, and Shoring Solutions.

With over 20 years of experience in the local and international industry, we have built a reputation for delivering exceptional quality, safety, and reliability.

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KER

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Product Portfolio

We specialize in providing high-quality formwork and shoring systems for construction projects. Our formwork systems are designed to provide strong and stable support for concrete structures during the construction process. They are easy to assemble and disassemble, saving you time and labor costs. Our shoring systems are adjustable, allowing for flexibility in height and load-bearing capacity.

Whether you are working on a small residential project or a large-scale commercial construction, our formwork and shoring systems are built to meet your specific needs. They are durable, reliable, and can withstand the demands of heavy construction.

Browse through our catalog to explore our wide range of formwork and shoring system options. We offer various sizes and configurations to suit different construction requirements. If you have any specific inquiries or need assistance in choosing the right system for your project, feel free to reach out to our knowledgeable team. We are here to help you find the perfect solution for your construction needs.

KER
Ringlock System

The Ringlock system is a flexible modular solution with limitless applications that offers quick assembly and disassembly, high load bearing capacity and flexible in various construction requirements.

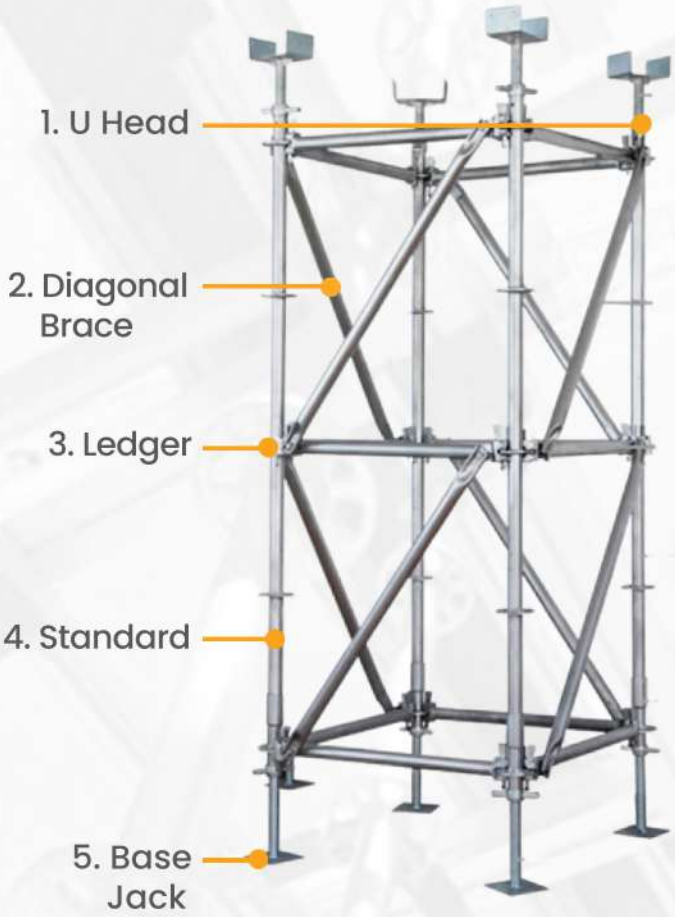
It is perfect for supporting beam and slab soffits in both commercial and residential projects, ranging from medium-rise to high-rise developments. It is also suitable for infrastructure projects, including viaducts and bridges, offering support for pierhead soffits.

It can also be used as access scaffolds for various industrial plants, building facades and other architectural applications.

Ringlock System
Scaffolding

Purpose:

- Shoring & Decking
- Access Scaffolding



Shoring Jack
Mono Post System

Purpose:

- Reshore
- Shoring & Decking

Ringlock Components

Ringlock components are essential elements of the popular ringlock scaffolding system. This innovative system is widely used in construction and industrial settings for its strength, versatility, and ease of assembly.

Ringlock scaffolding consists of various components that work together to create a safe and stable platform for workers to perform tasks at elevated heights.

These components are designed to be interlocked, allowing for quick and secure assembly without the need for additional tools. The ringlock system's modular nature enables easy customization and adaptability to various construction requirements. Additionally, the components are made from high-quality materials, ensuring durability and long-lasting performance.

Double-Channel Waler

A double-channel waler is a steel component that provides support and stability to formwork systems. It is primarily used as primary beam for both falsework and formwork systems.

The double-channel waler is placed horizontally/vertically across the formwork panels.

DCW LENGTH AVAILABLE	
0.90 meter	2.40 meters
1.20 meter	2.70 meters
1.50 meters	3.00 meters
1.80 meters	3.30 meters
2.10 meters	3.60 meters

Aluma Beam 122

Aluma Beam 122 is an aluminum beam known for its lightweight yet sturdy material. It is primarily used as a secondary beam and at times as a primary beam in falsework systems.

ALUMA BEAM 122 LENGTH AVAILABLE		
0.90 meter	2.40 meters	3.90 meters
1.20 meter	2.70 meters	4.20 meters
1.50 meters	3.00 meters	6.00 meters
1.80 meters	3.30 meters	
2.10 meters	3.60 meters	

Aluma Beam 140

Aluma Beam 140 is a type of aluminum beam used in construction. It is a lightweight and durable beam that is designed to provide structural support and stability. The "140" in the name refers to the beam's size, which typically has a height of 140 millimeters.

ALUMA BEAM 140 LENGTH AVAILABLE		
0.90 meter	2.10 meters	3.30 meters
1.20 meter	2.40 meters	3.60 meters
1.50 meters	2.70 meters	3.90 meters
1.80 meters	3.00 meters	6.00 meters

Ringlock Standard

The ringlock standard is the main component - featuring rosettes or nodes welded at regular 50cm intervals, allowing for the connection of horizontal braces and ledgers. It is a key element in the ringlock system, known for its versatility, durability, and ease of assembly.

EFFECTIVE LENGTH AVAILABLE	
0.50 meter	2.00 meters
1.00 meter	2.50 meters
1.50 meters	3.00 meters

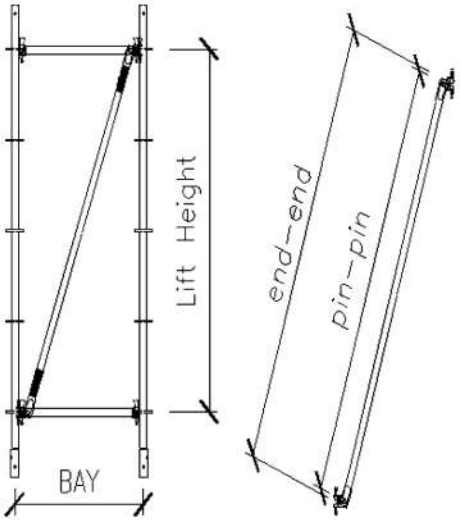
Ringlock Ledger

The ringlock ledger is a horizontal tube that links the vertically placed ringlock standards, offering support and stability. Equipped with wedge pins, it is designed to securely fit into the rosettes or nodes of the ringlock standards, ensuring a strong and rigid connection.

EFFECTIVE LENGTH AVAILABLE	
0.90 meter	1.50 meters
1.20 meter	1.80 meters

Ringlock Brace

A diagonal member that provides additional support and stability to the system. The brace is connected to the rosettes of the standards using wedge pins, creating rigidity and provide safety to the workers. Ringlock braces are essential in maintaining structural integrity and eliminates lateral movement.



BAY	LIFT HEIGHT	DIAGONAL LENGTH	
(mm)	(mm)	Pin-Pin (mm)	End-End (mm)
900	1000	1233	1284
900	1500	1665	1718
900	2000	2126	2170
1200	1000	1430	1474
1200	1500	1815	1859
1200	2000	2246	2290
1500	1000	1658	1705
1500	1500	1999	2044
1500	2000	2397	2442
1800	1000	1906	1940
1800	1500	2209	2254
1800	2000	2575	2619

DIAGONAL BRACE AVAILABLE	
900 x 1000	1500 x 1000
900 x 1500	1500 x 1500
900 x 2000	1500 x 2000
1200 x 1000	1800 x 1000
1200 x 1500	1800 x 1500
1200 x 2000	1800 x 2000

Adjustable U-Head (600MM)

Ringlock adjustable u-head is a component used in the Ringlock scaffolding system. It is designed to provide support and adjustability to horizontal beams or other structural components in scaffolding. The u-head features a threaded rod that can be adjusted to the desired height, allowing for flexibility in construction and ensuring stability and safety.

Adjustable Base Jack (600MM)

Ringlock adjustable basejack is a component used in the construction industry for scaffolding systems. It is a type of base jack that is used to provide stability and support to the scaffolding structure. The ringlock system allows for easy and quick adjustment of the height of the base jack, making it versatile and adaptable to different construction requirements.

Steel Packer

Steel packers are typically slab bearers that eliminates shoring supports from ground based on the framing layout of the structure and creates a spacious working area.

Shoring Prop

Shoring props are adjustable telescopic steel tubes used to support vertical loads in construction and temporary structures. They are commonly used to provide temporary support during building renovations, repairs, or construction projects. Shoring props are adjustable in length, allowing them to be set at different heights to support various loads and ensure stability.

EFFECTIVE LENGTH AVAILABLE
2.50m - 3.50m

Tripod

A shoring prop tripod is a type of support system used in construction and engineering projects. It consists of three adjustable legs that can be extended or retracted to provide vertical support.

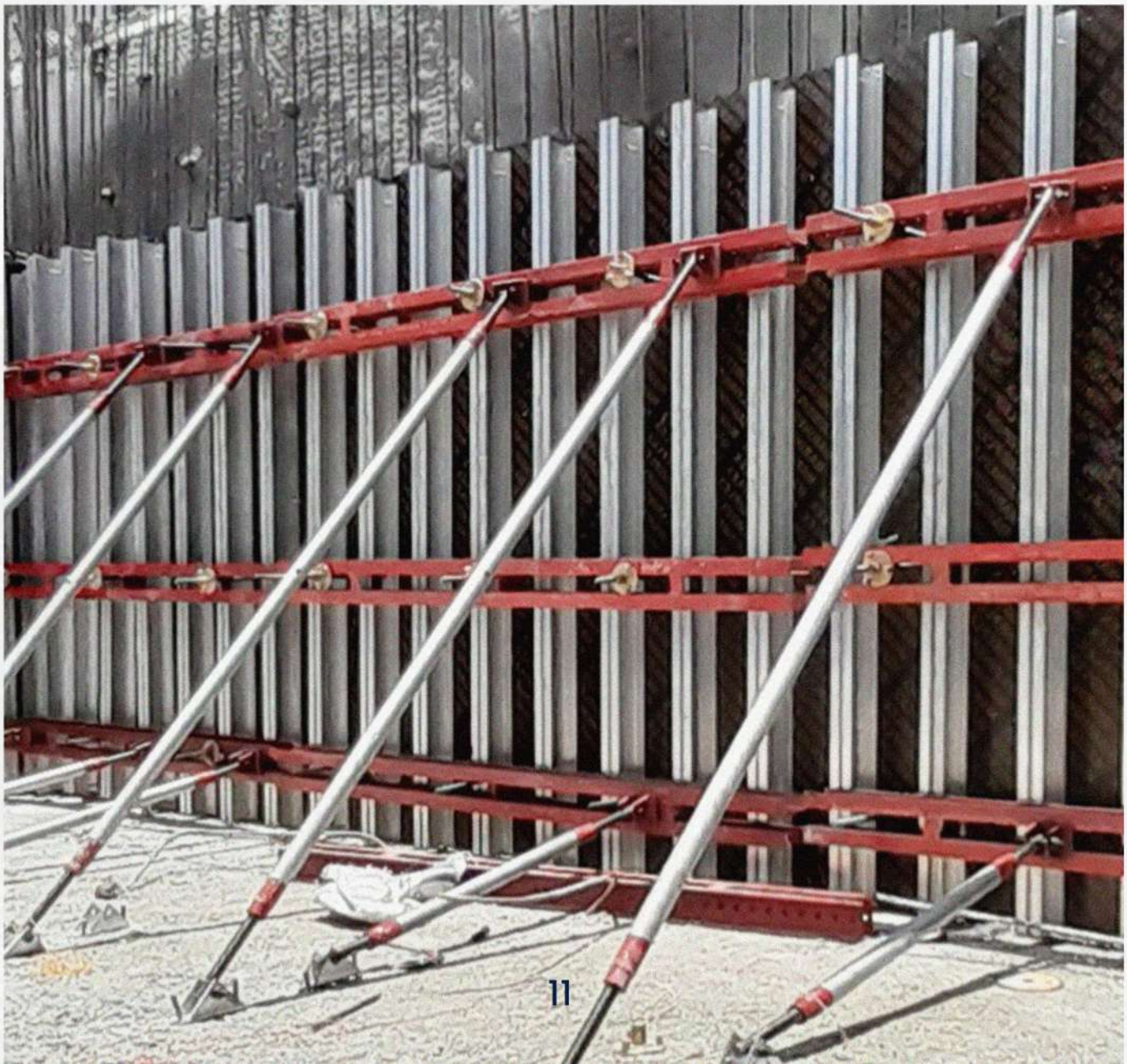
Shoring Prop Extension

A shoring prop extension is an additional component that can be attached to the top or bottom of a shoring prop to increase its length and allow for greater height adjustment.

LENGTH AVAILABLE
1.00m

Vertical
Ganged Form

A type of formwork system used in concrete construction to create vertical structures such as columns, cores, and elevator shafts. It's a specialized formwork system designed to support the weight of concrete and provide a precise, smooth surface finish.



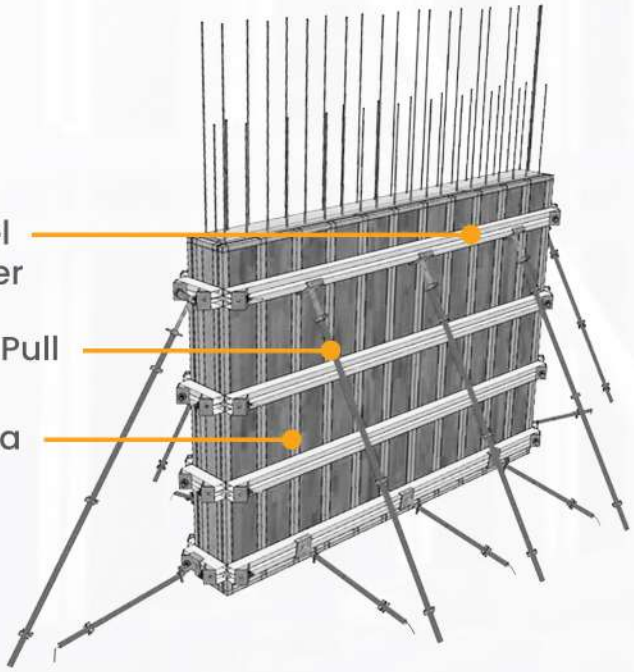



Ganged Column & **Wall Formwork**

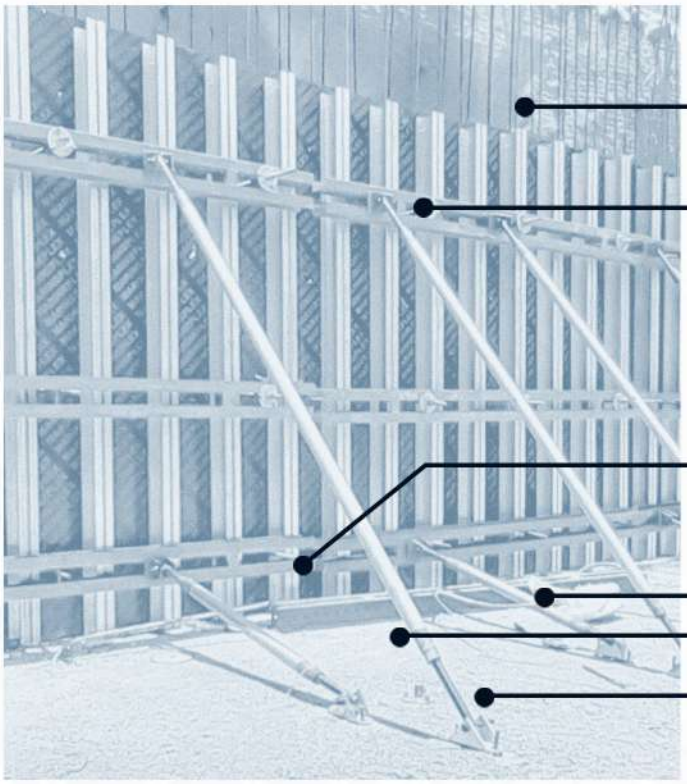
Aluminum and steel waler ganged column and wall formwork system offers durability, efficiency, precision, and versatility making them a preferred choice for modern construction projects where speed, quality, and cost effectiveness are essential.

Purpose:

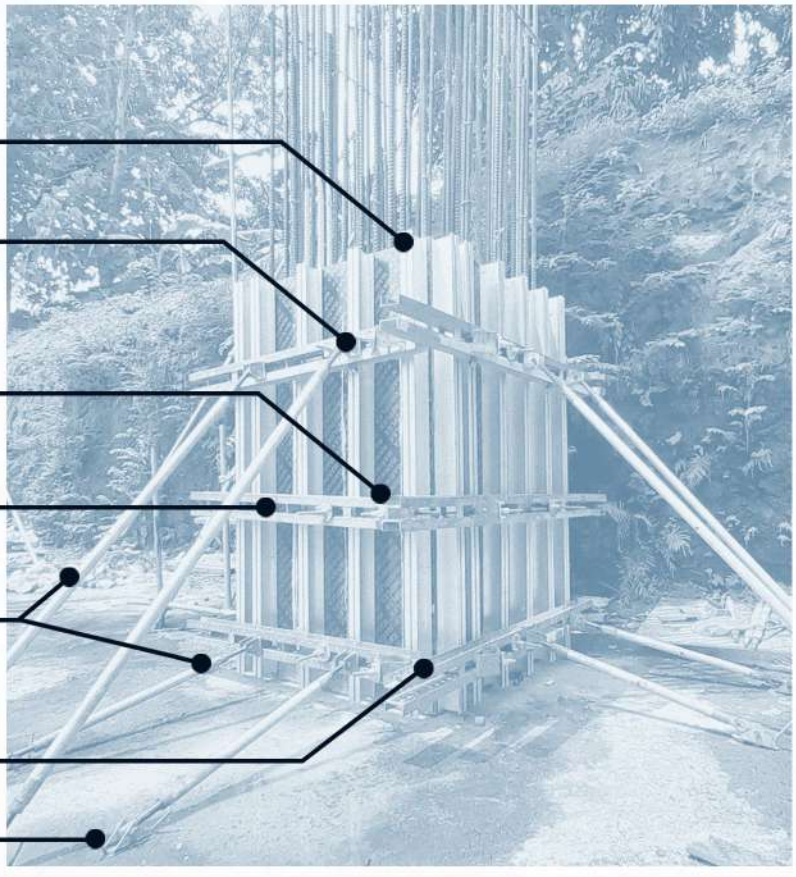
- Column
- Wall/Shear Wall
- Core Wall



Wall Formwork



Ganged Column



Vertical Components

Double Channel Waler (DCW)

Is a structural component that typically made of steel; used in construction to provide support and stability to formwork systems. The double-channel waler is placed horizontally/ vertically across the formwork panels.

See page 06 for available sizes.

Aluma Beam

Aluma Beam 122 is an aluminum beam known for its lightweight yet durable material. It is primarily used as a secondary beam in formwork systems.

See page 06 for available sizes.

L-Splice

L-shaped splice, is a type of joint or connection used in construction or engineering. It involves joining two structural members together at a right angle, forming an L shape. This type of splice is commonly used to connect beams, columns, or other load-bearing elements in building structures.

Corner Tie Bearing

Is a type of component used to connect two adjacent sections, typically at the corners of a structure. Its primary function is to provide additional support and stability, ensuring that the structure remains secure and stable throughout the construction process.

Connecting Plate

Is a type of component used to connect two or more members together. It's typically a flat plate made of steel, aluminum, or other materials, with holes or slots for bolts, pins, or other fasteners.

Size: 700mm

Universal Waler Adaptor

A component used in construction and formwork systems. It is designed to connect and secure horizontal walers to the push-pull props.

Base Strut

Is a component that provides support and stability to the entire structure. It is typically the foundation of the system, serving as the base plate or footing.

A base strut is usually a horizontal or nearly horizontal member that is attached to the ground or a fixed surface, providing a solid foundation.

Push & Pull

The push & pull support ensures plumbness and secures stableness during the movement, providing a safe working environment for the workers. It helps to distribute the forces evenly and prevent any potential deformation or failure.

EFFECTIVE LENGTH
1.00m - 1.30m
2.10m - 2.70m
2.45m - 3.00m

Accessories
(Consumables)

Drop Forged Fixed & Swivel Clamp

Type of scaffolding clamp that is used to securely connect scaffold tubes together. The drop forging process involves hammering a piece of metal into a specific shape, creating a very strong and durable clamp. The fixed clamp is used to connect two tubes at a fixed angle, while the swivel clamp allows for adjustable angles. These clamps are essential for creating a stable and safe scaffolding structure.

Fixed & Swivel Clamp

A type of scaffold fitting used to secure scaffold tubes together at various angles. The fixed end of the clamp is designed to be attached to a scaffold tube, while the swivel end allows for the connection of another tube at an adjustable angle. This type of clamp provides flexibility in constructing scaffolding structures and allows for greater versatility in building different configurations.

A-Clamp Assembly

Is a device used to connect different parts of the scaffolding system together, such as tubes, braces, or other components. It typically consists of two clamps that are attached to each other with bolts or pins, providing a secure and stable connection between the various parts of the scaffolding structure.

M16 X 1000 Bolts & Nuts

Are specific size fasteners commonly used in scaffolding to connect various scaffold components together. The M16 refers to the metric size of the bolt, which is 16mm in diameter. The 100 indicates the length of the bolt, which is 100mm. The nuts are used to secure the bolts in place and ensure a strong connection between scaffold parts.

Flange Nut & Wing Nut (17MM & 12MM)

These nuts are commonly used in scaffolding applications for securing scaffolding components together. The flange nut is often used in conjunction with a washer to provide a secure connection, while the wing nut allows for quick and easy adjustment in the field without the need for specialized tools.

Tie-Rod (17MM)

Is a component used in construction to connect two formwork panels together in order to create a secure and stable framework for pouring concrete. The 17mm refers to the diameter of the tie-rod, which is designed to provide strength and stability to the structure. Tie-Rods are essential in ensuring that formwork panels are held securely in place during the concrete pouring process.

Our Projects

TWINLAKES COUNTRYWOODS

Tagaytay City



PFDA OFFICE BUILDING

Navotas City




TENEMENT HOUSING

Tagaytay City



Our Projects

SM ECOLAND

Davao City



BIÑAN CENTRAL SQUARE

Biñan, Laguna




NAMIN HOTEL

Bataan



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