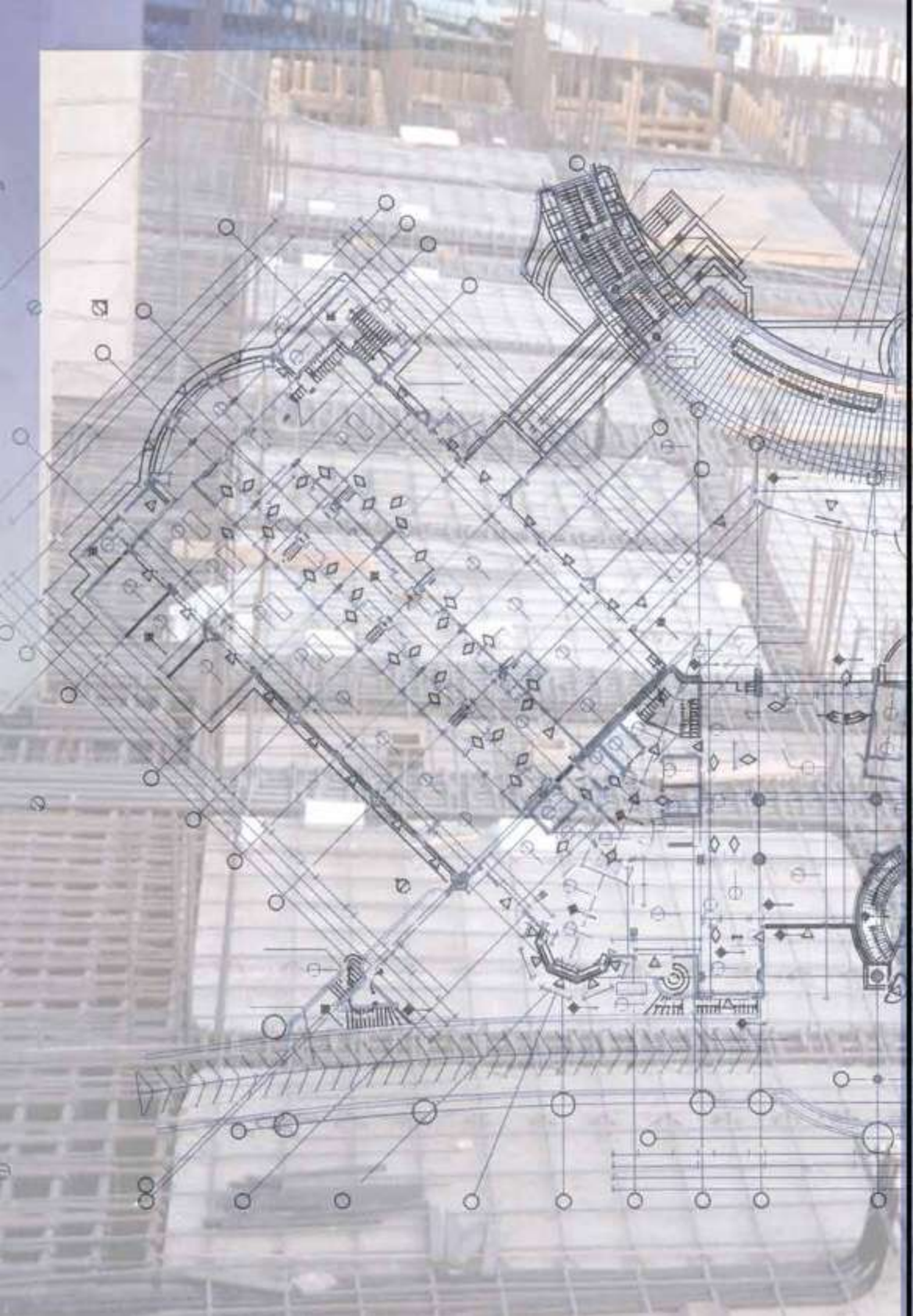


PRECAST



الخليج للقوالب الخرسانية
GULF PRECAST





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GULF PRECAST

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INTRODUCTION

Precast Concrete is the ideal choice for construction worldwide, thanks to its versatility, economy and speed of construction. Combining the strength and durability of Concrete with the flexibility and aesthetics of Precast elements, it is one of the most economical and attractive construction solutions available.

Precast Concrete offers numerous benefits as well as a wide range of products, from architectural cladding in many shapes, sizes, colours and finishes, to large Prestressed structural elements, to complete building systems.

Gulf Precast is one of the leading manufacturers of Precast and Prestressed Concrete components in the Gulf Region since 1984.

With its policy of constant innovation and improvement in manufacturing techniques, performance and properties of products, as well as strict Quality Assurance in a factory environment, **Gulf Precast** provides owners, builders, designers and specifiers with almost endless creative possibilities.

By implementing strict Health, Safety and Environment controls, **Gulf Precast** is contributing continuously to a greener, healthier and more sustainable environment.







ADVANTAGES OF PRECAST

1. Factory engineered products under strict quality control:

Precast Concrete is made of cement combined with natural materials: coarse aggregate, sand, cement and water, all of which are produced in an environmentally friendly manner.

Precast Concrete production takes place under strictly controlled conditions in a factory; this results in enhanced consistency of product quality, together with safer working conditions and reduced impact on the environment.



2. High performance, Quality and Durability:

Precast Concrete elements are produced under strict quality control to the highest international standards, ensuring their durability, strength and appearance.



3. Wide Choice of Finishes:

Whether off-form, smooth or textured, with contrasting exposed aggregates or slightly etched and pigmented, Precast Concrete surface finishes offer a rich and varying array of possibilities, allowing greater freedom and creativity.





4. Flexibility of forms and shapes:

With Precast Concrete, Architects and Designers can give full reign to their imagination allowing all sorts of decorative patterns, reveals, cornices, recesses and curvatures in their design.

5. Superior Heat and Sound Insulation:

Precast Concrete Sandwich panels, with their dense concrete and incorporated middle insulation layer, offer a far superior heat and sound insulation than traditional construction systems, which means substantial energy savings and a healthier environment.



6. Economy and speed of Production:

Precast Concrete elements are mass produced with minimum manpower in the shortest possible time. Their remarkable qualities - Strength, Durability and Insulation - offer significant savings in construction costs, energy consumption and later maintenance costs.

7. Fast and Efficient installation:

The use of standardized Precast Concrete elements contributes to efficient and fast installation, significantly reducing construction time.

Assembly of large and complex components can be carried out easily and quickly, producing little or no dust, noise or waste, as well as fostering a faster return on investment.

Moreover, good quality control in the factory prevents unnecessary delays, and just-on-time deliveries reduce the need for storage at the construction site.





ADVANTAGES OF PRESTRESSED

1. Long spans:

Prestressing of the Precast elements means longer and more efficient spans, allowing large, open spaces and reducing the number of columns and beams in the structure.



In addition to the Advantages listed previously for Precast, Prestressed Precast Systems offer the following added features:

2. Light economical construction:

Prestressing and high strength concrete make it possible to use less material to achieve similar load-bearing capacity and, hence, make substantial cost savings in both reinforcement and concrete. Reduced section sizes lead to lower dead loads and can improve transport.





3. High load capacity:

Precast Prestressed elements can carry much heavier loads as compared to normal reinforced concrete structures, which makes them ideal for heavy load bearing structures such as tunnels, bridges, car parks, reservoirs etc.



4. Minimum propping & scaffolding:

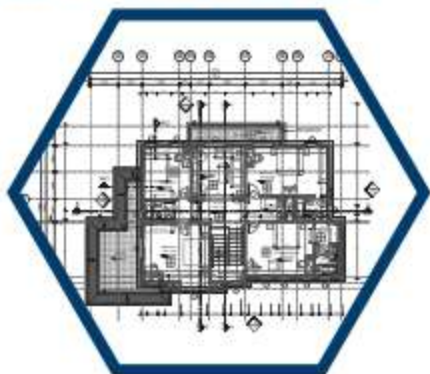
Precast Prestressed elements need very little propping or formwork, leading to cost saving and greater access all through the work areas.





SEQUENCE OF TYPICAL PRECAST/PRESTRESSED PROJECTS

1. Design and Shop Drawings



2. Mould preparation





3. Stressing of strands (for Prestressed components)



4. Casting





5. Quality assurance checks



6. Lifting and storage





7. Transport to site



8. Erection at site





High Rise Buildings





Residential Villas





Mosques



Schools

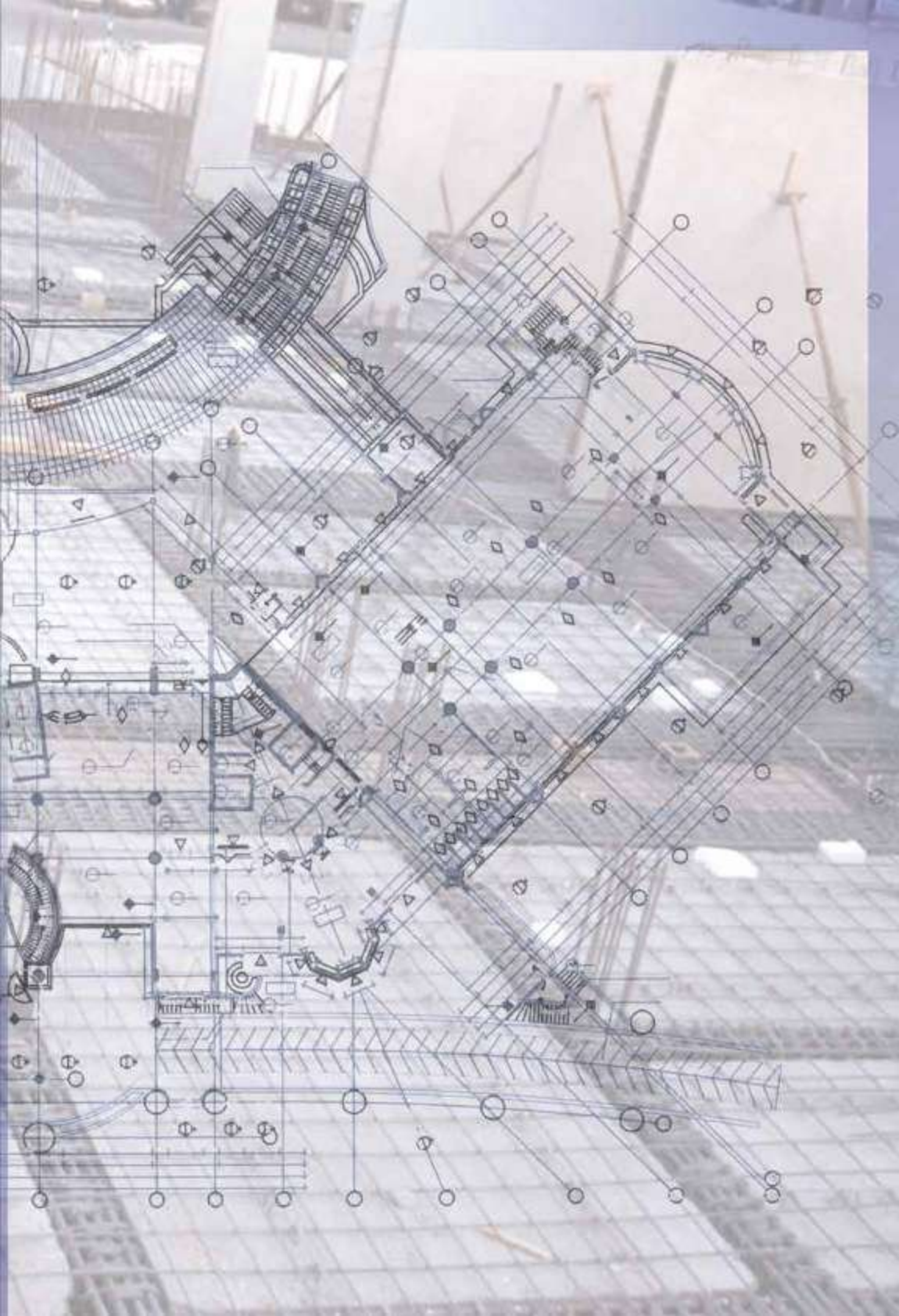




Expo 2000, Hannover, Germany



Boundary Walls





ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification



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