



PRECAST ENGINEERING

Precast and Prestressed Concrete occupies a prominent position in modern day construction with wide acceptance across the world for its speed, economy and high quality finish.

Design and detailing of Precast and Prestressed Concrete require strong experience and rigorous engineering skills to deliver quality results in a timely manner. iCAD engineers have been key players in American Precast concrete industry having catered to a large range of Clientele with a high rate of success.

Service Areas

We provide structural design calculations and drawings for
Parking structures
Industrial Buildings, Correctional centers
Architectural Precast and many more

Design Services

Our Design of precast engineering services includes
Product design
Connections design
Lateral analysis



Detailing Services

Our detailing of precast engineering services includes
Erection drawings
Shop drawings
Piece details

We use the latest Software tools for Design and Detailing services. We will continue to upgrade to newer software versions and tools to deliver high quality results.

Methodology

Study of Architectural, Structural & contract drawings.

Reviewing applicable code and calculating applicable loads.

Identifying various levels and studying foundation plans and sections.

Correct interpretation of contract drawings provided by the customer.

Identifying various Precast and cast-in-place structural components and their connections, e.g DTs, ITs, wall panels, spandrels, slabs, columns, beams etc.

Making note of concrete strength, type of strands, rebar and welded wire fabrics to be used, and studying their properties.

Studying various types of connection details between Precast elements in the contract or structural drawings.

Typical RFIs to resolve any pending and missing details.

Preparation of design sketches.

Design of Precast components.

Preparation of erection and shop drawings.

Quality control.

Delivery.

In addition to this iCAD offers you

Day to day co-ordination of projects
Fast track service provision
High quality process

Once we design the Precast elements, the engineering information will reach the detailing team to prepare the erection and the shop drawings. iCAD is also experienced in converting the contract drawing into erection drawings. iCAD has well defined production and quality systems which will ensure high quality deliverables.



...Where *intent* turns into *content*

Our Commitments :

Provide high quality design and detailing services to our Clients and develop a long term relationship.

Customize procedures and standards to ensure conformance to our customers needs and standards.

Develop a comprehensive relationship with our clients, provide specialized services, and undertake quick turn projects. We are committed to provide on-time and cost effective services all the time.

iCAD has an ongoing commitment to adopt the latest technologies in design and detailing. We constantly train our people and upgrade software.

Maintain the highest level of ethics in all dealings with employees, customers, vendors and business associates.

Maintain professional development and pride in quality performance.



Infobase, Inc. is headquartered in Fremont, CA and was established in 1997. iCAD is a division of Infobase, Inc. providing high quality Engineering Consulting in the field of Structural Steel, Pre-cast, Pre-stressed and RCC engineering services. iCAD has design Centers in California and Bangalore to support clients around the globe. iCAD also has a branch Office in Maryland and partners in Europe. We employ a dedicated team of experienced structural engineers and software developers. Our strengths are SPEED, QUALITY and ECONOMY.



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