



iCAD is the Engineering division of Infobase Inc., headquartered in Newark, CA. We provide Structural and Product Engineering Services. We have offices in California, Maryland and Bangalore to provide round the clock support to customers across the globe. Our design centers are equipped with a network of high end computer workstations, Plotters, Scanners, Drafting, Design and Analysis tools. We have highly experienced and talented team of professionals to provide design and consulting services.



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

Structural Design and Detailing



iCAD, the engineering division of Infobase Inc., provides services in the areas of Structural and Product engineering to customers in North America, Europe and Asia-Pacific.

Areas of focus :
Steel, RCC and Pre-cast Structural Design and Detailing
Product Engineering

iCAD's core strength is its talented pool of engineering professionals. iCAD has experienced Civil and Structural engineers backed by a dedicated team of Detailers and Checkers. The structural team at iCAD has over 200 man-years of combined experience in structural design and detailing. Our engineers have successfully completed several projects ranging from small to large in size.

Our knowledge in the steel fabrication industry combined with our investment in the latest hardware and software ensures our clients the highest quality and best delivery in the industry today.

Our Domain

Steel, RCC and Pre-cast Concrete Structural Design and Detailing

iCAD specializes in design and detailing of Industrial, Commercial and Institutional buildings. iCAD also has a dedicated team of professionals focusing on miscellaneous items detailing.

iCAD provides a complete engineering package on your project; high quality structural design, connection design and detailing, erection and shop drawings customized to your standards and shop practices.

iCAD has a highly qualified and flexible team of design engineers and detailers. Our design engineers/detailers can even provide on site service based on project needs.



Methodology

iCAD has a well defined system for design and detailing. The 3C system followed by iCAD helps to deliver quality deliverables on time every time.

Correct: We interact with the customers to ensure correct interpretation of all critical points.

Continuous: We continuously interact with the customer to incorporate the latest and the correct information into the design/drawings. Audits are conducted at every stage to ensure quality and intermediate sketches are provided for consent/approval of Architect/Engineer.

Customized: Based on the experience, iCAD has evolved general standards for designing and detailing services. iCAD standards are based on AISC, NISD, ACI norms and Industry practices. iCAD establishes customized standards specific to individual Customers by incorporating customer specific standards to iCAD's own standards.

Deliverables

Material List with customized material calculation spread sheets as per your standard piece and template marking system.

Fabrication details as per your shop standards.

Anchor Bolts Plans are provided to locate the anchor bolts during concreting.

Erection Drawings complete with required field connections, assembly details and the location of all the main members.

Shop Details include all required dimensions, steel grade, finishing notes, and any other information useful for the fabricator. Shop details will be high quality, easy to read/understand and detail drawings are created for every piece of steel in the project.

Connections will be designed following AISC standards.



Quality

iCAD has an established quality system to ensure that our design and detailing are of the highest quality. The Inward quality system takes care of the customer interface to ensure that all the clarifications are obtained and incorporated. The Outward quality system ensures that all the deliverables are error free. iCAD's quality systems objective is to build quality into every drawing and at every stage.

Our skills are impeccable, our working methodology is proven and deliverables are precise

Infrastructure

Our offices are equipped with structural design & analysis tools, 3D modeling & detailing and 2D detailing software. In addition to this our structural engineers have written several Lisp routines to speed up the detailing activity. Our offices are equipped with high-end Workstations, Plotters, Scanners and laser printers. This allows us to transfer all forms of electronic information quickly and timely through our secure networks. iCAD has an established procedure for storage and disaster recovery to ensure that our customers do not lose out due to eventualities/disasters.

Our offices are located in California, Maryland and Bangalore. Our offices are connected through a secure network and dedicated communication infrastructure.



Value propositions

Shorter Project Time: We have a 'follow the sun' development service offering and a 24 hour development cycle working for you. Our team members interact intensively with the client during day time in US and the team in India continues the design and detailing work when sun sets in the US, thus reducing the project time.

Increase flexibility: Clients use iCAD's ability to ramp up resource capacity deployed for them. This enhances the flexibility of the client to address new opportunity without a long-term commitment to head count and infrastructure.



Leverage investment in technology: iCAD has made significant investment in technology and is committed to furthering the investment in technology and training. This eliminates the need for our clients to make investments in newer technology and training in-house resources.

Enhance revenue & contain risk: The ability to increase revenue is enhanced by leveraging iCAD's flexible capacity. Clients do not have to leave any business on the table due to lack of in-house resources to execute revenue generation projects. Also clients need not have to worry about reducing headcounts during lean periods or attrition during boom cycle.

Dedicated Design Centers

iCAD can set up dedicated design centers for the exclusive use of large clients with a dedicated team of design engineers and checkers who will work in close coordination with clients engineering team.