

Architectural, Engineering & Project Management Consultancy



Pre Engineered
Metal Buildings &
Industrial
Structures



Precast Concrete
Structures



Reinforced Concrete
Structures Cast in
Place



Project Management
and MEP
Services

PPS



George Miks, Director of Engineering, Fabcon, USA in an interactive session with PPS Engineers. PPS is having a long term relationship with Fabcon, starting 2004. With PPS as a resource center, Fabcon gets the advantage of rich expertise of PPS right from Prebid to Engineering at a reduced cost.

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PPS: The Company

PPS Pvt. Ltd. is an ambitious company, established by young enterprising engineering professionals in the year 2004. The company offers Engineering Consultancy services to clients across the globe.

Our team is based in Pune, a city known for its Engineering talent in India. We are a rapidly growing company with a team of 80+ people which includes highly trained and experienced Architects and Engineers.

In the PPS philosophy, the client always comes first. Understanding every client's needs and requirements and to offer customized solutions is an endeavor undertaken by each one of our employees.

PPS prides itself as a technology driven company. We believe that use of cutting edge technology can greatly enhance output quality, reduce project life cycles & optimize costs in the long run.

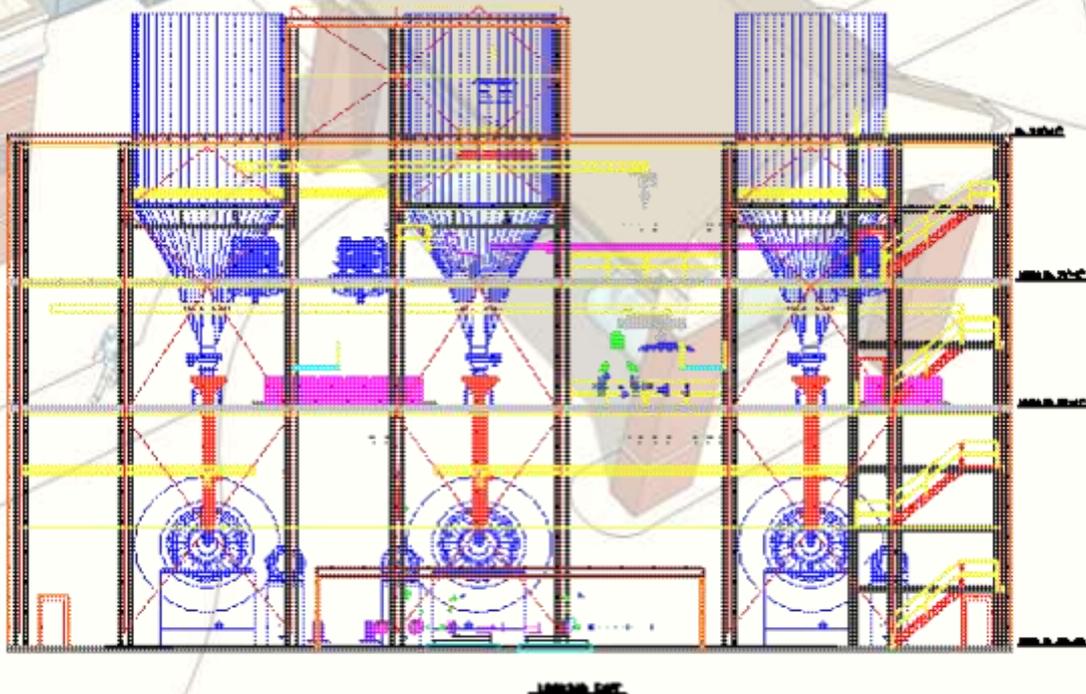
PPS values the natural resources and is committed to preserve them. We use and promote all environment friendly techniques to the maximum extent.



Process Industry and PEMB Structures

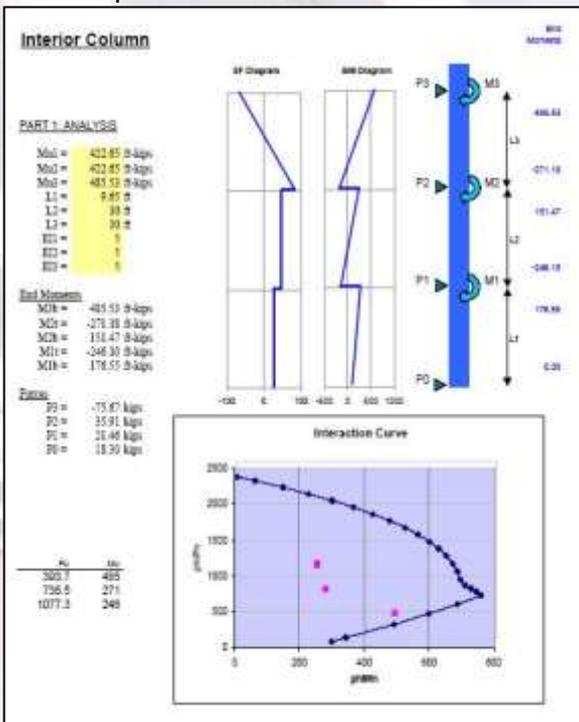
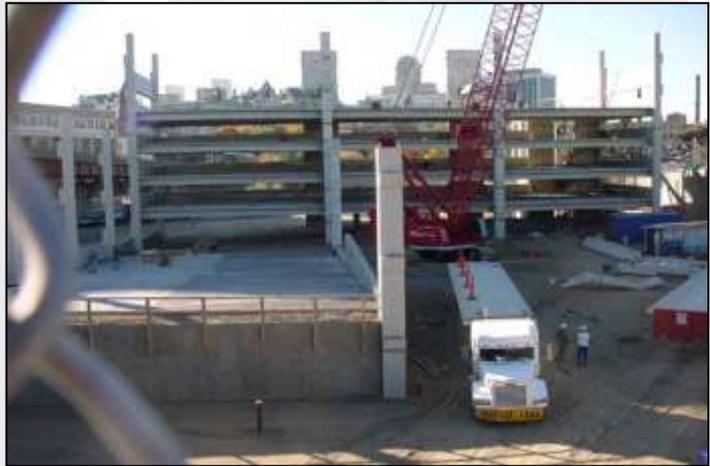
We offer:

- Computer aided analysis, design & detailing of various Steel, RCC structures, equipment foundations for refineries, power plants, material handling industry and much more.
- Implementation of special techniques like modularization of steel structures for construction ease and speed.
- Visualization and interaction of PDS models in design review packages like SPR.
- Estimation of quantities, evaluation of existing structures for plant betterment, review of shop steel and rebar drawings.
- Engineering design and detailing services using various concrete systems, conventional steel systems and PEMB systems.

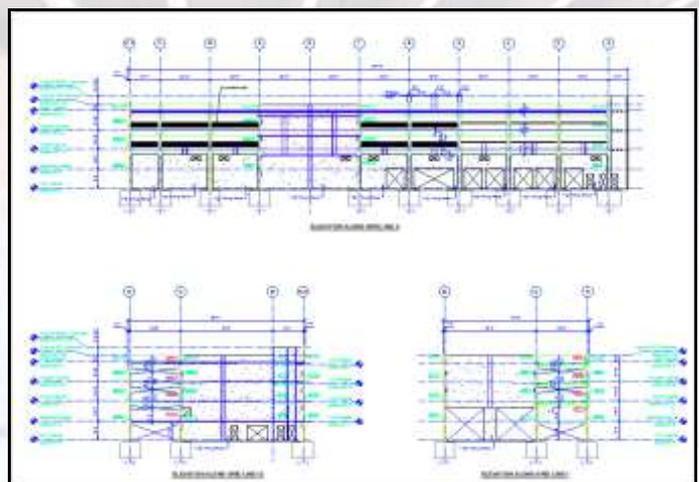


Precast Concrete Structures

- We offer Precast Engineering design and detailing of Piece & Erection drawings & are working with several Precasters as well as Engineering Consultants in USA & Canada and have a long term relationship with most of the clients.
- Services in automation & software development to enhance speed, accuracy and efficiency of Detailing & Design are also provided.



- We translate your contract documents into usable information for accurate and efficient handling and erection of precast concrete units.
- Our easy-to-read drawings such as Anchor Bolt Plans, Framing Plans, Elevation Drawings, Sectional Elevations and Section/Connection Details conform to your exacting standards.
- We excel in providing precise and comprehensive blueprints of precast elements that cater to your specific plant conventions.



- Through our wide-ranging experience we have mastered a variety of precast elements such as Columns, Wall Panels, Beams, Spandrels, Double Tees, Stair Flights, etc.
- We simulate your engineering design environment to deliver you engineering calculations the way you do. We work on the same software, spreadsheets etc. so that engineering review is very easy at your end.

Reinforced Concrete Structures

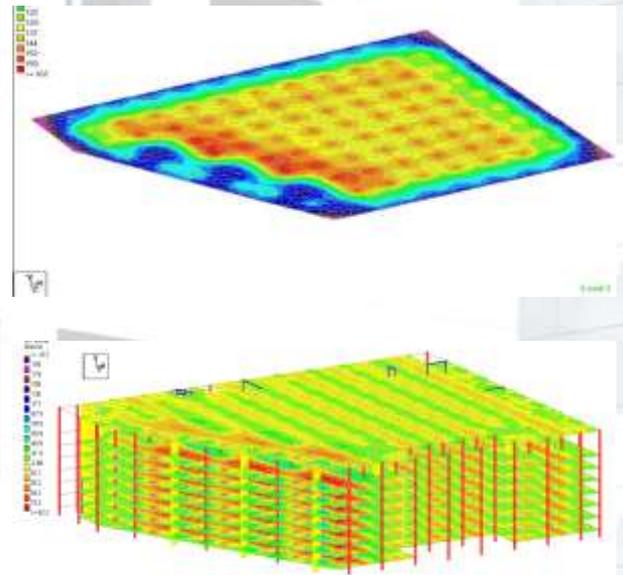
Concept Design

Selection of Foundation system based on Geotechnical Investigation report & Structural loadings. We have expertise in following type of foundation systems:

- Isolated Footings
- Combined Foundations
- Strip Foundation
- Mat Foundations
- Pile Foundation

Deciding lateral load resisting system based on functional requirements of the structure. We have dealt with following lateral load resisting systems:

- Moment Resisting Frames
- Shear Walls
- Braced Frames
- Dual Systems



Preliminary Design

Preliminary structural analysis for approximate sizing of Foundation system. Finalizing column/shear wall framings in consultation with Architect & MEP consultants. Finalizing Floor layouts & Beam / Slab sizes.

Detailed Design

- Detailed structural analysis & design using state of the art software like Staad.PRO, ETABS, RamConcept3.0, Build Master, in house developed design spreadsheets
- Engineering drawings using latest software like Tekla, Revit, AutoCAD.
- Preparation of Rebar Shop Drawings & BBS.
- Review of Rebar Shop Drawings.

Structural Site inspection

We offer technical supervision on site for following:

- Validating foundation strata per Geotechnical Investigation recommendations.
- Verifying & validating construction activities against structural details & specifications.
- Troubleshooting for Structural Engineering queries.
- Reinforcement checking at site before pouring of concrete.
- Structural steel checking at site.

Project Management and MEP Services

Project Management

Fully integrated start-up development, project management, technical and construction supervision services, third party quality assurance services and feasibility studies. PPS is fully capable of providing turn-key consultancy services, from land acquisition to architectural / structural engineering / MEP / interior design services, tendering, estimation, quality control, project & cost management as well as construction monitoring.

Mechanical

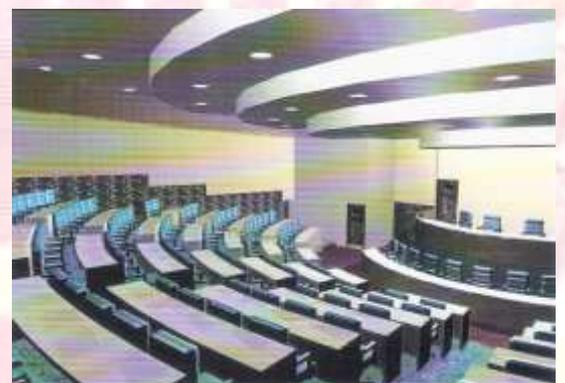
Air Conditioning Heating, Indoor Air Quality Management, Pressurization & Smoke Extraction, Mechanical Ventilation Industrial Ventilation, Central Evaporation Pressurization & Smoke Extraction, Mechanical Ventilation Industrial Ventilation, Central Evaporation Cooling Integrated Building Management System, Refrigeration System for Clean Room Applications like Computer Cold Storage / Deep Freezer Rooms, Process Application and OT through our associates.

Electrical

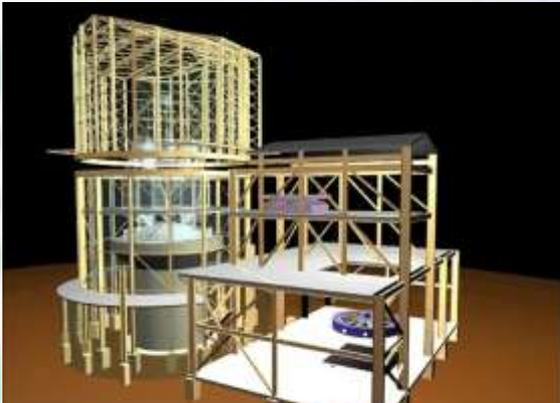
Planning, Design and Construction Supervision of Electrical, Low Power Installation and Architectural Lighting Design in accordance with National and International Standards through our associates.

Plumbing

Plumbing system comprising of water supply source, storage, treatment and distribution. Sewerage - soil, waste and vent, sewage pumping, sewage disposal. Storm water - rainwater piping, Hot water generation and distribution system, fire protection services. Fire protection system - wet risers, automatic sprinklers, hand appliances, automatic gas flooding system and passive fire protection through our associates.



Representative Projects



Project: Dome building for 3.6 m ϕ optical telescope project.
Location: Devasthal, Nainital, UA, India
Scope: Design & Engineering of dome, dome building and other facilities such as material handling system, electrical works etc. (excluding that of telescope), Procurement, Assistance, Preparation of tender specifications, technical scrutiny of tenders, vendor evaluation, inspection and testing, Testing and Commissioning of Dome & Dome Building.
Technology: Structural Steel, Reinforced Concrete.



Project: Mayuge Sugar Factory
Location: Jinja, Uganda
Client: Saisidha Sugar Equipment & Engineering Co. Pvt. Ltd.
Capacity: 2500 Tons per day
Cost: Rs. 1000 Million
Technology: Reinforced Cement Concrete and Steel
Scope: Conceptualize, design, drawings, fabrication drawings and BOQ for 2500 TPD plant structures, foundations, machine foundations, client coordination, stability certificate.



Project: Steam Header Integration(In Existing Facility)
Location: MIC, Doha-Qatar
Client: Genio (end client- QAFCO)
Cost: USD 50 Million
Technology: Reinforced Cement Concrete and Steel
Scope: This is plant betterment project. Scope consists of Engineering design (using US country codes), drawings, fabrication drawings, technical supervision and coordination for construction in existing plant.



Project: Project Solaris commercial tower with G + 33 floors, Mumbai.
Client: K.RAHEJA UNIVERSAL PVT. LTD.
Scope: Technology Assessment review and recommendation Concept Design and recommendation of the appropriate construction technology with emphasis on Speed of Construction, Quality Control, Cost of Technology.
Technology: Composite steel option with central core in RCC.

Representative Projects



Project: CCR BPCL Refinery
Location: Mahul, Mumbai
Client: UHDE
Technology: Reinforced Cement Concrete and Steel
Codes: Limit State design for RCC (IS456) and Steel (IS800-2007)
Scope: This is Refinery project. The scope consist of Engineering design, drawings of Various Pipe Racks, Technological Structures, buildings including blast resistant control building, machine foundations etc.



Project: TATA Motors Ltd. Pune.
Client: Shapoorji Pallonji and Co. Ltd./ TATA Motors Ltd.
Scope: Ten Industrial Structures admeasuring 1.3million sq ft
Technical Audit of Existing Structural Steel buildings Viz. Paint Shops, Engine Shop, Weld Shop, New Generator House, Assembly shop.



Project: Mixed use projects with Retail structures, Hotel towers, Service Apartments, Multiplex, Parking garages. Engineering of this project is around 1.5 million sq ft area is in progress.
Location: India
Client: One of the biggest developers in USA.
Project Cost: Rs. 5000 Million
Technologies: Reinforced Concrete, PEMB, PT, Mivan



Project: Target T-2340
Location: Burnsville, MN, USA
Precaster: Fabcon Inc.
Technology: Versacore Sandwich Wall Panels
Blockouts and Deadman Design using LECWall and spreadsheets for Precast insulated wall paneled Store.

Project Approach

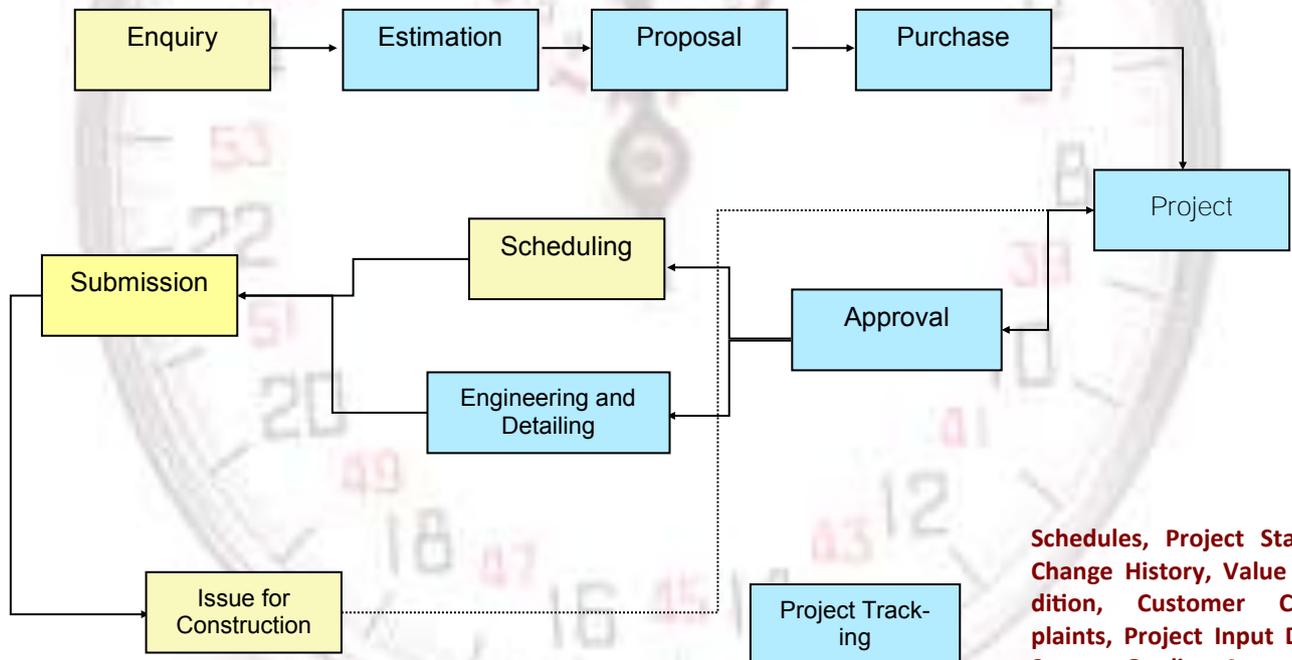
Quality assurance is a key element of our process. Quantative Analysis, Project Planning and continuous improvement of standards, procedures and tools are an integral part of our methodology.

Internal Process

- Guidelines / Rules / Checklists / Best Practices
- Project Plan
- Project Data Sheet
- Quality Plan
- Quality Assurance
- Time-Sheet
- Error Log
- Corrective and Preventive Action Plans
- Project Closure

Goal:
High Customer Satisfaction

Project Process



Schedules, Project Status, Change History, Value Addition, Customer Complaints, Project Input Data Status, Quality Assurance Report, Classification Of Errors, Timely Delivery Report, Project Closure.

Project Approach

Job by Job Measurements

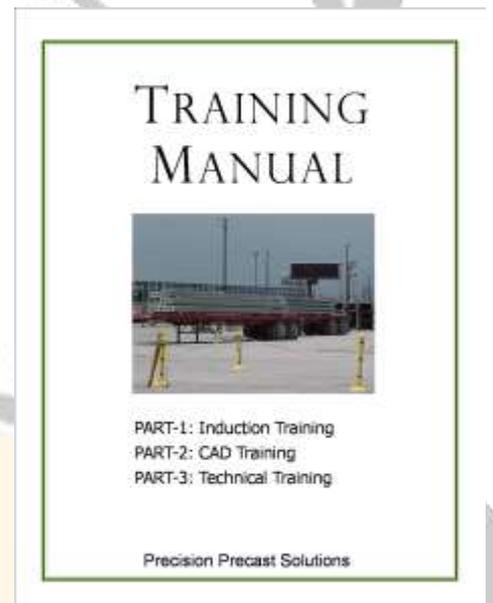
Consistency in Quality
Timely Delivery
Rework Reduction
Estimation Variance
Customer Feedback
Knowledge Management
Continual Training

PPS Focus

Confidentiality of Client Data
Project Planning and Coordination
Solution Oriented Approach
Team Building

Procedures

Capture client procedures, practices and expectations
Set Coordination and communication Procedure
Set Project Status Reporting
Job execution and delivery
Job Measurements
Measure Customer Satisfaction and Job Closure



Key Personnel



Mangesh Hardas

Mangesh holds a Master's Degree (M.Tech.) in Civil Engineering (Specialization in Earthquake Engineering) from IIT Roorkee. He has an advanced diploma in Computer Science from C-DAC, Pune and has a passion for automation and standardization. With over 25 years of expertise, the last 17 years has been on developing business modes for "off shored" Civil/ Precast Engineering jobs.

Mangesh has very good understanding & expertise of pre-cast plant design set up and has guided many customers in India for setting up their precast plants.

Charudatta Kulkarni

Charudatta holds a Master's Degree (M.E) in Civil Engineering (Specialization in Structural Engineering). In all, he has more than 20 years experience, out of which last 16 years have been, spent exclusively for "off shored" (US) Civil and Precast Engineering jobs.

Charudatta is Philanthropic, has excellent organizational skills that keeps the PPS family in good spirits!



Ajit Joshi

Ajit holds a Bachelor's degree in Architecture (B. Arch.) & a Master's degree in Business Administration (Specialization: Marketing).

Ajit has been instrumental in shaping PPS. He has a total of 23 years experience, out of which last 16 years have been invested on "off shored" Civil Engineering & Architectural Jobs, predominantly for United States.

Ajit is an excellent Cricket Player as well!



Key Personnel

Rajendra Kulkarni

A B.E. (Civil) Gold Medalist from VJTI, Mumbai also holds a Master's Degree (M.Tech.) in Civil Engineering (Specialization in Structural Engineering) from IIT Mumbai. Rajendra has around 22 years experience in hardcore structural design of RCC, Steel, PEB Precast and all types of buildings (Industrial, commercial, residential, parking garages, etc.). He has substantial experience of engineering for precast plant design set up and has engineered many prestigious precast concrete projects in India. He has wide ranging experience, in US and Indian markets.

Rajendra plays melodious Flute as a pass time!



Ramesh Raskar (CEO)

Ramesh holds a Master's Degree (M.E) in Civil Engineering (Specialization in Structural Engineering) and has more than 20 years of structural design expertise in Process Industry. He has worked with companies like Fluor Daniel India Pvt. Ltd., Reliance Engineering Associates Ltd, Jacobs Humphreys and Glasgow Ltd, for Indian as well as overseas clients. In PPS, Ramesh has executed many Turnkey consultancy projects (Architectural, Structural, MEP, and PMC) for Indian as well as Global clients.

Ramesh is the captain of PPS cricket team.

Dhananjay Bhosale

Dhananjay did his M.E. (Structures) from Walchand College of Engineering, Sangli and M.E. (Construction & Management) from C.O.E.P., Pune. He has more than 21 years of experience in Structural designs, Precast and RCC of Residential / Commercial / Industrial building structures in India, Europe & USA, and the last 12 years have been exclusively invested for "off shore" Structural designs in Europe and USA, using IS, BS & ACI codes. He has considerable experience of precast plant design set up and project management for precast projects. He has engineered many prestigious precast concrete projects in India.

Dhananjay is an ace chess and badminton player.



Technologies

Design and Detailing Software

STAAD.Pro 2007, ETABS, RISA-3D, RAM Concept, LecWall, PRESTO, Build Master, Tekla Structures, AutoCAD, Revit Structural and Architectural Suite, MicroStation etc.

To offer our clients the best solution to their requirements, we work in diverse technologies such as:

Reinforced Concrete/ Post Tensioned Slabs/Beams/Precast/Prestressed Concrete
Structural Steel/ Pre Engineered Metal Buildings

Secure, Collaborative Document and Business Process Management

Buzzsaw, Microsoft Project

Infrastructure to serve our clients better

8000 sq ft of spacious Office Space

Network: Secure Cisco firewalled CAT6 Network with managed switches

Electricity: Online UPS and Generator Backup

Printers: Cannon, HP, Toshiba A3 printers with Color Scanner and ADF

Plotters: Oce' TDS 450 Multifunction System Color Logic, HP 500C large format plotters

Scanners: Oce' TDS 450 Multifunction System Color Logic

Workstations: High End Workstations with Graphic Cards



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Client Speak

Greg Surmi, Hanson Structural Precast

"We appreciate your steadfast teamwork and diligent efforts to help make this past year a great success for us. May our relationship continue to grow and be strengthened over the coming year."

"Thanks for your due diligence in requesting information. I think any delays are coming from our end. You have gotten off to a faster start than I expected!"

"Thank you very much. We did receive them (drawings). We were very pleased with the thoroughness with which you did these drawings."

Chris Kercksmar, P.E., Schwab Structural Engineering, Inc.

"Please let me know if the work load is getting too large. But on the other hand, we're very pleased with PPS' work, and we want to add to it with the projects listed above."

Curtis Challberg, Fabcon Inc.

"Thanks for your quick work on both this job and the Lowes Reynelodsborg. On both of these jobs it was very beneficial to have them done so quickly."

Dr. Anil Pande, Project Director, ILMT (International Liquid Mirror Telescope)

"I have just got inputs/comments from our Belgian and other collaborators. They are happy with the proposal (concept design report) for ILMT....."

PUT OUR TEAM ON YOUR PROJECTS AND FEEL THE **Difference!**





PPS

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