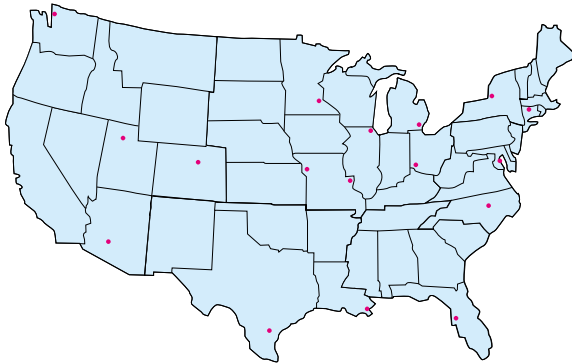


Teamwork: The key to construction economy



Ceco Consulting Services

Early in the design stage, communication between project designers, builders and formwork subcontractors is one of the best assurances of ultimate constructability, economy, and construction quality. Without question, it is in the owner/client's interest that these members of the building team consult each other to contribute suggestions and solutions derived from experience on comparable past projects.

Ceco welcomes the opportunity to contribute to formwork economy by consulting with all members of the design and building team during the planning stages. Ceco has more than 85 years of formwork experience in constructing concrete buildings. No other company approaches Ceco's more than *20-25 million square feet* of forming involvement in more than 200 site-cast projects annually.

Ceco's representatives offer technical expertise, a valuable resource available at all times to designers and builders. As an experienced consultant, the Ceco representative can help analyze structural layout and suggest opportunities for greater construction efficiency. In most cases, a review of preliminary sketches or schematics is sufficient to let Ceco estimate rough costs and discuss the variables related to the building design, formwork economics, and the construction process. Ceco has offices nationwide in America's building centers. To consult with Ceco, phone one of the offices listed on the back.

Additional Resources

For more information on design concepts and standard detailing practices for reinforced concrete structures, the design engineer may wish to consult the following professional associations and organizations:

Concrete Reinforcing Steel Institute (CRSI)
933 N. Plum Grove Road
Schaumburg, IL 60195
(312) 490-1700

American Concrete Institute (ACI)
P.O. Box 4754, Redford Station
Detroit, IL 48219
(313) 532-2600

Portland Cement Association (PCA)
5420 Old Orchard Road
Skokie, IL 60077-4321
(312) 966-6200

Post-Tensioning Institute (PTI)
301 West Osborn, Suite 3500
Phoenix, AZ 85013
(602) 265-9158

Specific publications are available on the subject and are recommended for the reference libraries of design offices:

- | | |
|---------|--|
| CRSI | The Concrete Formwork Digest |
| CRSI | Design Handbook |
| CRSI | Manual of Standard Practice—
Monolithic Reinforced Concrete |
| ACI 347 | Recommended Practice for Concrete
Formwork |
| ACI 318 | Building Code Requirements for
Reinforced Concrete with Commentary |
| ACI SP4 | Formwork for Concrete |
| ACI 301 | Specifications for Structural Concrete
for Buildings |
| PCA | Concrete Floor & Roof Systems
Material & Cost Estimating Guide
(PAT 36.03B) |
| PCA | Economics of Long-Span Concrete
Slab Systems for Office Buildings—
A Survey (SPOZ4.01 B) |
| PCA | Simplified Design • Reinforced
Concrete Building of Moderate
Size and Height (EB1 04.01 D) |
| PCA | Notes on ACI 318 (FB070.04D) |
| PTI | Post-Tensioning Manual |