

# DESIGN ASSIST SERVICES

## FOCUS AREAS WHERE EARLY ENGAGEMENT IS MOST BENEFICIAL

Being engaged early in the design process, provides the opportunity to positively impact schedule, budget, and quality through constructability discussions and value engineering. The goal is to reduce or eliminate requests for information and change orders during construction.

Involvement in all design activities is beneficial. Our team members participate in design review, conceptual estimates, budget analysis, value engineering, constructability reviews, BIM model management, GMP pricing development, and schedule development, phasing, and planning.

## CONTINUOUS IMPROVEMENT

We have used our early-engagement experience on projects to continually improve our design-assist approach. We actively apply lessons learned from previous projects to add value in a variety of ways on current projects.



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DESIGN | INTEGRATE | INSTALL | MAINTAIN | MONITOR

# EARLY ENGAGEMENT PROCESS



## HELPING YOU MAKE INFORMED DECISIONS

ERMCO works closely with the design and construction team to identify opportunities for improved efficiencies and cost savings related to electrical and systems installation. You get solutions to potential issues as early in the process as possible. Our experience helps you make informed decisions and reliably plan for a successful project completion.



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### Preconstruction activities include:

- Assist in identifying the most cost-effective methods and materials to meet project goals
- Budget input and updates as the design progresses
- Provide development drawings during design process
- Constructability reviews
- Cost models
- Schedule development
- Analysis of proposed systems
- Risk mitigation

### Transition to construction activities include:

- Plan fabrication schedule to maximize schedule and maintain cost efficiencies, starting earlier in the project allows for more opportunities for fabrication and efficiencies.
- Engage field leadership in design intent communications which results in improved scheduling and sequencing plans.
- Implementation plan for field productivity through on-site, accessible technology. Tablets in the field and on-site technology centers keep our entire team informed and committed to the common goal.
- Construction document review for discipline coordination, reducing or eliminating mistakes and rework in the field.
- Prepare detailed man-loaded CPM schedule for the project and update as needed.
- Provide detailed layout drawings for coordination and final installation drawings for field labor.