

CMAT Training Series: Architectural and Structural Plan Reading

December 16, 2025, 9 a.m.–3:30 p.m.

Institute for Transportation
2711 South Loop Drive
4040 Conference Room
Ames, Iowa 50010

DESCRIPTION

This is the first in a series of planned training events led by the Construction Management and Technology (CMAT) Program. The event will focus on architectural and structural plans.

Specific subjects that will be covered related to **architectural plans** include the following:

- Plan Navigation/Finding Critical Information
- Grid Lines
- Floor Plans
- Architectural Scales
- Elevations
- Sections
- Door Schedules
- Room Finish Schedules
- Details

Specific subjects that will be covered related to **structural plans** include the following:

- Plan Navigation/Finding Critical Information
- Footings, Foundations, Slab on Grade
- Steel Columns, Bar Joists, Miscellaneous Steel Shapes
- Load Bearing Walls
- Sections
- Trench Footings/Spread Footings Schedules
- Site Cast Concrete and Rebar Arrangement
- Precast Concrete Walls/Hollow Core/Double Tees
- Details

TARGET AUDIENCE

- People new to the industry
- Existing professionals looking to navigate plans faster and more efficiently
- Experienced workers looking to expand knowledge: have experience at one discipline, but now need to take on a superintendent role

SPEAKER BIO

Brad Perkins, a professional engineer and teaching professor at Iowa State University's (Iowa State's) Department of Civil, Construction, and Environmental Engineering (CCEE), brings a wealth of experience and dedication to his role as an educator. A graduate of Iowa State's construction engineering program, Brad transitioned seamlessly from his position as a design engineer to join the faculty in 2005. His passion for guiding students toward success in the engineering field is evident in his commitment to mentoring and advising.

REGISTRATION



Deadline: December 9, 2025

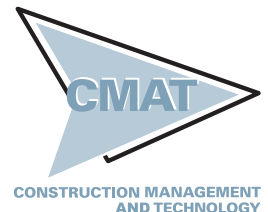
Fee: \$400 per participant

Refund and cancellation policy:
Because of our financial commitments, no refunds will be issued after December 9, 2025. Attendee substitutions are always welcome.

Lunch will be provided to attendees.

For questions, contact

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