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## THERE'S ALWAYS A SOLUTION IN STEEL.



Ethan Bedingfield  
Architectural Nexus, Inc.

The AISC Steel Solutions Center is a free service for people who need technical assistance, innovative ideas or tools to make structural steel design easier.

Just ask Ethan Bedingfield, AIA, NCARB who works at Architectural Nexus in Salt Lake City, Utah. Ethan was designing University Place Building One in Orem, Utah for Woodbury Corporation, part of the University Mall being developed by Woodbury Corporation, one of the West's largest and most experienced full-service real estate development firms.

“Building One includes about 26,000 square feet on the ground level, and then approximately 139,000 square feet on levels two to five,” he says, “and sits in the parking lot of the existing mall, which meant we had to replace and add parking by going below ground. The changing axis of the building as it rises (the parking level, the retail level and 4 office on a new axis) is what made the steel design so complicated.”

His inspiration came from the site constraint itself. The project used all steel moment framing, affording him extraordinary flexibility. Costs also played a role, and was one of the reasons he reached out to the AISC Solutions Center.

“The base is a rectangle that fills the whole site we had available to us,” Ethan explains. “We are within a foot of hitting utilities. We twisted the top of the building rather than following the grid of the immediate context, relating it to the major additions that will happen behind the mall and also facing it to the extremely busy intersection on which the project sits. That's where we landed in our initial studies. Once we had it to that point, I remembered meeting Tabitha Stine, SE, PE, LEED AP from the AISC Steel Solutions Center at a conference. I called, and we sent over Revit files and the narrative we had describing our intent. University Place was the first time I used the Solutions Center. I've used it a few times since, but this was the most impactful experience. I will definitely use them again.”

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Ethan says the AISC Solutions Center does two things: adds to creative thinking and validates your own design. “I don't know why you wouldn't call them on every project for the second set of eyes,” he adds.



From typical framing studies to total structural systems, including project costs and schedules, the AISC Steel Solutions Center can provide you with up-to-date information and innovative solutions for your project. The AISC regional staff covers eight different geographic regions across the U.S. They give more than 50 presentations a year on various steel topics. Learn how our regional staff can work with your company. Call 866.ASK.AISC (866.275.2472) or email us at [solutions@aisc.org](mailto:solutions@aisc.org)

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