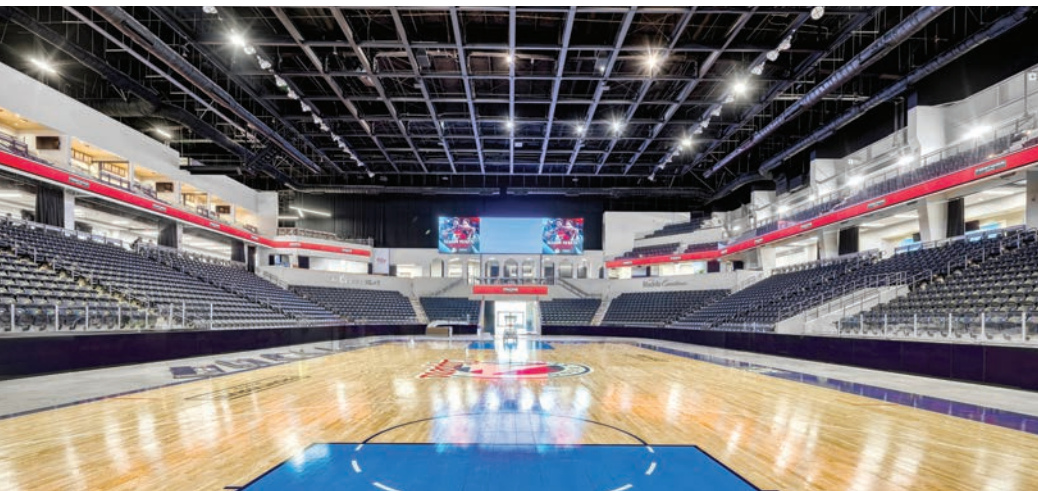




CASE STUDY  
**ENTERTAINMENT VENUE**  
FRONTWAVE ARENA





“The collaboration between Pascal Steel, Nucor Building Systems, and Level 10 Construction ensured timely and efficient completion, which was a critical milestone in the arena’s development.”

In the heart of Oceanside, California, sits the luxury sports and entertainment hub for North County San Diego. The goal of the project evolved from a basic sports arena solely serving the San Diego Sockers, to a premier venue for a growing roster of sports teams, family shows, community events, and concerts. What stands today is more than a venue; it is a space built with the intention to serve the community, drive economic growth, and change the face of entertainment.

Authorized Nucor Building Systems Builder, Pascal Steel Corporation, was selected as a subcontractor for this significant project. Responsible for supplying and erecting the pre-engineered metal building for the arena, Pascal chose to partner with NBS to meet the client’s requirements.

Project Manager of Pascal Steel, Tim DePascale, says “We needed to provide a large 215’ clear span structure that did not obscure site lines, and a thermal envelope that was suitable for hockey was important to the overall design. A pre-engineered metal building was the most economical solution to meet these requirements.”

The full complex spans 170,000 sf, with Nucor Building Systems providing the over 85,000 sf arena portion of

the project. Designed to integrate seamlessly with several existing buildings on the site, the arena uses a gable framing system to achieve its wide, open interior. Additional support spaces such as restrooms and corner areas were constructed using lean-to framing systems to complete the expansion. Insulated metal panels were used on some of the walls and roof to help achieve the necessary thermal envelope and provide a clean and attractive exterior.

A challenge emerged mid construction when the facility’s purpose evolved from a traditional sports structure to a full entertainment venue, after the steel had already been fabricated and delivered. The initial design included minimal show rigging capabilities, but the revised scope



required rigging support across the full coliseum. Nucor responded quickly, engineering a reinforced beam system that integrated seamlessly with the already fabricated steel, ensuring the upgraded venue could meet the demands of large scale events for the community.

With the structural challenges resolved, the project could return to its ultimate purpose of creating a place for people. Frontwave Arena is a space built to bring its community together. What began as a complex construction effort evolved into a shared vision for a venue that would energize Oceanside and give residents a gathering place, they could call their own. The arena’s impact extends far beyond its walls, becoming a

catalyst for connection, pride, and new possibilities.

The state-of-the-art arena has a capacity of 7,000 and includes five bars, four full-service concession stands, a plaza area, and 16 luxury suites. It serves as the home of the MASL’s San Diego Sockers, NBA’s G-League San Diego Clippers, and as a hub for other North County sports.

Project Manager, Tim DePascale, says “The collaboration between Pascal Steel, Nucor Building Systems, and Level 10 Construction ensured timely and efficient completion, which was a critical milestone in the arena’s development.” Today, that collaboration has created more than a venue, as it has also created a place that strengthens the community it serves.



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