



Arizona's Fastest Growing Steel Fabricator Set To Double Production With High-Tech New Steelyard Specializing In Castellated Beams

Next Level Steel launches Castellated Structural Group due to overwhelming demand for this innovative structural steel, and hires top executive as it expands across the western US

(Mesa, AZ) – Already one of the state's premier fabricators of structural steel, [Next Level Steel](#) of Mesa, AZ is constructing a new state-of-the-art steelyard, and hiring 40 highly-skilled steelworkers, in support of its fast-growing [Castellated Structural Group](#) (CSG). The first fabricator in Arizona specializing in high-tech 'castellated steel' beams, which are stronger, faster to erect and span further distances than traditional beams, CSG's new facility will more than double capacity up to 1M sq. ft. per month to keep up with the booming demand. With clients ranging from Whiting Turner, Layton, and AR Mays, CSG has also hired a new VP Business Development, Lauren Fisher, as the company prepares to expand across the western US.

Founded in 2020 by second-generation steel fabricator, Brandon Bell, Next Level Steel/Castellated Structural Group has grown from six employees to a planned 100+ following the opening of its second steelyard. Providing design, fabrication and steel erection services for clients ranging from the upcoming TSMC semiconductor factory to the completed new dining hall at the Marine Corps Air Station Yuma, the company has thrived despite launching in the middle of a pandemic. In fact, according to Bell, the chaos created by COVID directly led to the establishment of Castellated Structural Group.

“During COVID there was a surge in warehouse building, but we previously didn't focus on that business because traditionally most commercial warehouses/light industrial spaces in Arizona are built with wooden roofs and use little structural steel except for the steel joists.” Bell says. “But because of COVID the price for roof-building joists tripled as manufacturers struggled with supply chain issues and could not keep up with demand.”

To meet this ever-growing demand, Next Level Steel launched Castellated Structural Group to offer its innovative structural steel as an alternative roofing support material. With support from Jack Koehler and the engineers at PK Associates, CSG constructed a small castellated beam fabrication line using proprietary technology. Now running 24/7 to help keep up with demand while they build the larger dedicated castellated beam steelyard, Castellated Structural Group starts by slicing and splitting apart traditional steel I-beams, before they are precisely welded back together. The 'teeth' carved in the beams are offset, creating a series of precise hexagonal holes that help make the steel beam stronger, faster to erect, and delivered with less lead time than traditional roofing structures. Plus, “with the refinements in our manufacturing processes and the new facility's higher volumes, we can compete with traditional roof joist companies even if their prices and lead times stabilize,” Bell says.

Born and raised in Yuma, AZ, Bell previously helped build his family's ornamental fence company into the state's second largest fabricator of structural steel. Now heading up both Next Level Steel and Castellated Structural Group, the two companies are projected to have completed 8M sq ft in projects by the end of 2023.