

THE BENEFITS OF CASTELLATED BEAMS



Span further, faster and for less with Next Level's Steel proprietary castellated steel beam roofing systems. Here are just a few of the ways integrating castellated beams in roof construction offers significant tenant improvement benefits.

ENHANCED STRENGTH & VERSATILITY

Castellated beams renowned for their robustness and ability to support heavier loads, which not only increases the roof's load-bearing capacity, but also contributes to the overall structural integrity of the building.

QUICKER TURNAROUND

Castellated steel beams are also faster to erect, and delivered with less lead time than traditional roofing structures.

FUTURE PROOF

Castellated beams are ideal for future-proofing buildings, from adding additional weight from solar panels or air conditioning units, or hanging conveyors from the bottom of the beams, and with no added supports needed it dramatically reduces the TI cost of a building.

COST SAVINGS

The use of castellated beams can potentially lead to cost savings in materials and construction, since their design allows for a larger span with less material compared to traditional beams, making them a smart choice for both structural and economic reasons.

AESTHETIC FLEXIBILITY

Beyond these practical advantages, castellated beams also offer aesthetic flexibility, such as running wiring and water pipes right through the holes in the structural beams, allowing for more innovative and visually appealing architectural designs.

ECO-FRIENDLY

Castellated Steel Beams also help to make construction more eco-friendly, from adding rooftop solar panels without requiring additional support, to reducing the amount of bulky, sun-absorbing concrete used in parking garages, which is both a major source of greenhouse emissions and also contributes the heat island effect here in the sunny Southwest.