

Norton Commons Y.M.C.A.

Prospect, Kentucky



“During the design phase of the YMCA Norton Commons project, we priced several options for the 94’-0” span over the double pool area. The first option was to use the glu-laminated timbers, second option was structural steel, and the third option was pre-cast double tees. The price for the glu-lam and the wood ceiling was way outside of our budget. The structural steel was the cheapest but the concern was from other YMCA buildings having issues with the corrosion over time. The pre-cast provided us a substantial savings over the glu-lam and had no issues with the span or the corrosive nature of the pool. This also allowed the exterior precast walls to become load-bearing for the roof members, thus simplifying load path and connection detailing. Once in the field, the pre-caster was able to erect the entire pool structure in 2 weeks, which provided schedule benefits as well. The painted double tees provided an aesthetically pleasing and durable solution, which is just as important in this highly corrosive environment.”

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