

Stadium Components

Stadium and arena projects use many of the same precast concrete components as other projects, including structural and architectural wall panels, shear walls, hollowcore planks, stairs and accessories. However, their massive seating sections take advantage of two specific products designed specifically for these applications.



Stadium Risers

Stadium risers are used to support seating in stadiums, arenas, theaters and other types of grandstands. Typically, they are made as single, double or triple risers with heights cast to satisfy site lines in the venue. Specifying single, double or triple risers will depend on the layout and may be dictated by weights and crane access during construction.

Typical spans: 8 to 50 ft.

Finishes: The bottom and vertical sections of the riser are cast against the form and typically will remain “as cast” in the final construction. The top (wearing surface) is typically troweled to the desired degree.



Typical thicknesses: 6 to 10 in.

Finishes: When cast on edge, the tread and bottom remain “as cast” and typically will remain as such in the final construction. When they are cast upside down, the bottom will be troweled to the desired degree of smoothness and typically will remain exposed to view in the final construction. Abrasive nosing pieces are often cast into the treads to create a non-slip surface.



Raker Beams

Raker beams are angled, notched beams that support stadium riser units. They are used universally in outdoor stadiums and arenas and in many indoor arenas and performing-arts theaters.

