

NC State University

Close-King indoor practice facility



LOCATION

Raleigh, North Carolina

SIZE

22,000 sf

ROOF SYSTEM

26 ga. multi-rib decking

This indoor practice facility is a unique structure on various levels, from the clear span barrel roof to the stainless steel built-in gutters. Designed for LEED® certification, this structure was built on an existing surface parking lot that allowed the owners to avoid developing a previously undeveloped site.

This building has a 210' clear width, a 400' clear height, and 67' clearance at the center of the span. Segmented rafters formed the barrel roof, and columns have a reverse tapered design. Regionally sourced materials were used as well as material containing high-recycled content, with the roof and landscaping strategically designed to minimize the heat island effect.

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