



The curved roof has been combined with many other architecture features in this modern recreational facility.



THE STRENGTH OF STEELWAY

Steelway's curved roof option offers a nontraditional look for steel building systems. With little or no additional cost, this architectural feature blends the roof line in a gentle radius. The RTL-24 standing seam roof easily follows this radius and offers a superior weather tightness with increased R values over standard roofs. Installation is simplified with the elimination of the ridge cap and the use of standard eave and gable trims. The rafter's top flanges match the architectural curve for a truly unique look, inside and out.



Above: The curve of the roof is also visible from the inside of the building.

Left: The curved roof provides contrast against the straight lines of the entrance.

Contact Steelway Building Systems to learn more about this Beyond the Box idea and how to integrate it into your upcoming project.

STEELWAY
BUILDING SYSTEMS

Mono-Slope Roof

Floating Eave



Fixed Eave



Gable Roof

Floating Eave



Fixed



Floating Eave



• Top flange of mainframe
and endwall rafters are
curved to suit radius

• Minimum radius = 705 feet
Maximum radius = 950 feet

The curved RTL-24 roof system can accommodate a variety of roof radii from 705 feet to 950 feet in both mono-slope and gable roof styles. The radius of the roof is cut into the top of each web of the rigid frame rafter sections. When the rafter is welded, the top flange follows the curve that was cut into the web. Rigid frame types can be clear-span or with interior columns to economically accommodate larger building widths.

Roof systems will either be fixed or floating at the eaves to accommodate roof panel expansion and contraction. In some cases, our 12" wide floating clip will be used in a portion of the roof to allow a greater thermal expansion range. A specific roof sheet installation process is required with maximum sheet lengths of approximately 48 feet.

All other RTL-24 installation details and seaming requirements remain the same as with our traditional straight sloped roof styles.

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