



project services case study

Massanutten Resort
McGheysville, VA

Completely revolutionizing waterpark design and capitalizing on the breathtaking surrounding scenery, the Massanutten Resort Waterpark located in central Virginia is currently the only one of its kind anywhere in the United States.

Aquatic Development Group was selected to provide single-source responsibility for designing, engineering and building a stand-alone four-season indoor/outdoor waterpark facility within the Massanutten Resort time-share community.

The 80,000 square foot, three story indoor facility not only houses the unique aquatic features, but also functions as a community center offering something for everyone. The facility, which is open to the public, contains a 100-game video arcade, buffet-style restaurant, snack bars, lounge and assorted retail establishments.

The unique building design is one of its main attractions. The wood-framed pyramid shaped structure utilizes ADG's Texlon®, a cutting-edge transparent roofing system that combines exceptional UV light transmission with high thermal properties. This allows the growth of vegetation and occupants to tan while providing scenic views of the Shenandoah Valley and Blue Ridge Mountains creating the ultimate waterpark with maximum seasonality. Visitors to the resort can take advantage of the world class snow-skiing in the morning and still come back to the waterpark and surf indoors that same day.

A major feature of the 45,000 square foot indoor park is the adventure river which encompasses the heavily-themed interactive play structure. The park also features a FlowRider® 3400 stationary sheet wave surf system designed for both boogie boarding as well as stand-up surfing. The "Pipeline" is capable of accommodating up to two riders at a time.



In addition to the indoor aquatic space the facility includes almost 3 acres of outdoor aquatic space designed for future expansion.



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