

Roofing and Sheet Metal

RD Herbert & Sons



Portfolio :: Architectural Sheet Metal

Adventure Science Center: Sky & Space Addition – Nashville, TN



Photo by: Candace Delashmitt

ADDRESS:

800 Fort Negley Blvd.
Nashville, TN 37203

ARCHITECT:

Tuck Hinton Architects
Nashville, TN

GENERAL CONTRACTOR:

The Parent Company
Brentwood, TN

ROOF SYSTEM:

Berridge 24 ga Natural White
Bermuda roof panels &
Carlisle 60 mil white PVC roof

ROOF AREA PROFILE:

13,000 square feet metal
16,922 square feet PVC
New Construction / Addition

PROJECT INFORMATION:

The Adventure Science Center closed its existing Sudekum planetarium in early 2007 to begin demolition for the new 30,000 squarefoot Sky and Space addition. The initial phase reopened in the summer of 2008 and the remaining portions opened in 2009. This addition included a six-sided metal pyramid wrapped in Berridge's Natural White Bermuda roof panels on the 14:12 slope. Sitting above a new 63-foot planetarium dome and rising almost 90-feet into the sky, this feature lights up the Nashville skyline at night with alternating colored LED lights washing up the sides.

DETAIL:

The new stainless steel batten seam roof on the sanctuary required using engineered wooden battens due to the structural gypsum deck. Additional roofs were covered with shingles and fully adhered TPO on multiple roof sections. The white TPO on the flat roofs reflects sunlight and assists with keeping the interior of the building cooler. 20-oz copper flashings, edge metal and built-in gutters finished the roofs.

