

The Davidson Center for Space Exploration



LOCATION

Huntsville, Ala.

WALL SYSTEM

Insulated Panels

ROOF SYSTEM

Standing Seam 360

The Davidson Center for Space Exploration, located in Huntsville, Ala., was constructed using a metal building system with framing that was engineered to handle the weight of portions of the suspended Saturn V rocket.

The 476- by 90- by 65-foot facility was created with a metal framing system. A 190- by 90- by 65-foot frame was utilized for the main structure and 100- by 85-foot and 85- by 70-foot lean-tos were built off the rear of the main structure. The facility boasts 80,000 square feet of Standing Seam 360 roof panels and approximately 85,000 square feet of insulated metal panels. The building columns are tapered to 20 feet, then straight beyond that height. The front part of the frame was engineered to handle a standard load while the center section was engineered with a heavy frame to support the rocket. In addition, nearly 30,000 square feet of glass curtainwall was incorporated.