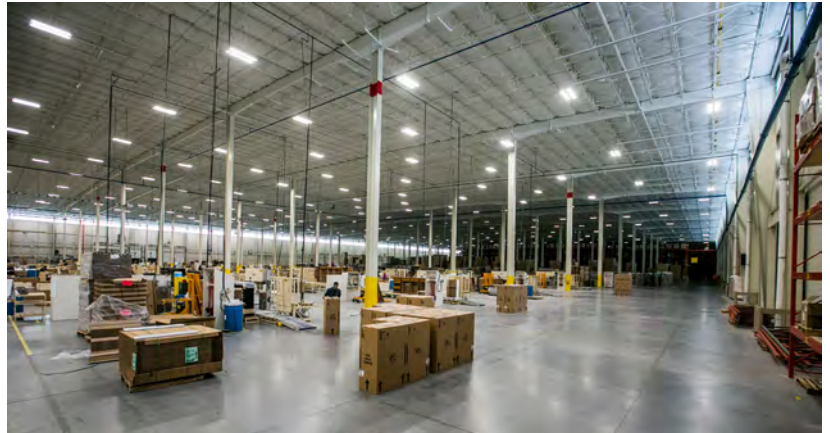


Ashley Furniture Mid-Atlantic Manufacturing/Distribution Center



LOCATION

Advance, NC

SIZE

1,100,000 sq. ft.

WALL SYSTEM

Nucor Classic Wall™

ROOF SYSTEM

Nucor CFR™ Standing Seam

Ashley Furniture's expansion of its 640-acre Mid-Atlantic Furniture Manufacturing and Distribution facility in Davie County, North Carolina consisted of constructing a 1.1 million square foot building addition to connect its existing 1.7 million square foot warehouse and manufacturing facility. This facility is the company's fifth major distribution and manufacturing center in the United States and one of 13 total production facilities that Ashley operates around the world.

Nucor Building Systems partnered with contractor, Shelco, Inc for the expansion, and a pre-engineered building system was selected as the ideal solution for the project. To accommodate the building size requirements, the scope included a total of four connected structures (783' wide x 1001' long gable building, 363' wide x 29' long single slope building, 421' wide x 650' long gable building and a 51' wide x 421' long lean-to building) that were erected utilizing the Nucor ClearBay® bolted roof joist system.

In addition, the buildings feature full length Nucor Translucent Wall Lite Panels that allow natural lighting to penetrate inside the building. The interior has full wall Nucor Liner Panel and ridge elevations up to 48'. The facility is designed with a partial mezzanine above the warehouse area to be used as office space as well as a 1,200 sf single slope pump house.



The exterior of the building is finished with Nucor Classic Wall™ Panel and uses a Nucor CFR™ Standing Seam Roof System.

One of the many benefits of using Nucor Building Systems as the pre-engineered building manufacturer was a quicker construction time frame. This was due to Nucor’s full-service staff and large capacity, enabling faster design and fabrication for a building of this magnitude while consistently keeping the erectors supplied with erectable steel.

Nucor’s team utilized Building Information Modeling (BIM) to create a digital prototype that incorporated all aspects of the building, from framing to components and mechanical systems. This improved coordination amongst various trades, and specifically solved a design challenge with a sub-contractor, resulting in a more cost effective sprinkler design.

Nucor’s Made in America credentials, as well as the flexibility and dedication of their management, sales and planning teams were a tremendous asset to the client. The NBS team went to great lengths to develop a strategic plan for this facility based on the project’s individual solutions and budget, and continued to make efforts throughout the dynamic construction process to ensure the project was delivered on schedule.

“Nucor’s entire project team demonstrated professionalism, an eagerness to clearly understand the client’s requests, attentiveness to details, and consciousness of cost and long-term performance value. Then they did what they said they would do: they produced and delivered a remarkably massive and complex structure on time and with excellent quality. In short: Nucor listened, understood, coordinated, and then produced a world-class building.”
- Rick Sanders, PE, Shelco LLC, Sr. VP

