

PROJECT PROFILE

DB-60

Client:

Universal Corporation
Hamilton & Broad Streets
Richmond, Virginia 23260

Objective:

Design and build a 1.2 million square foot tobacco processing facility. The plant can process about 1 million pounds of tobacco a day.

Performance Results:

Work Commenced August 2001
Work Completed January 2003

Perspective:

Universal Corporation needed a new state-of-the-art tobacco processing facility for their Universal Leaf Tobacco group. Previous experience with the speed and low cost of pre-engineered building products led them to investigate BlueScope Construction's strategic alliance approach for construction. Convinced that the method was advantageous, Universal Leaf chose BlueScope Construction as their design-build turnkey general contractor.



The new processing facility is the largest and most advanced plant Universal Leaf owns and incorporates considerable patented processes for the final product. Green leaf tobacco enters the building in the storage area which has the capacity for 14 million pounds (7,000 tons) of tobacco and is conditioned to keep the tobacco ready for processing. After going through a process line that consists of steam cylinders, threshing machines, apron dryers and hydraulic packers, the tobacco is cooled and prepared for shipment. By the time it exits the opposite end of the building, the tobacco has been processed, deveined, dried, inspected 3 times and baled and is ready for shipment to selected manufacturers.

Location:

Universal Leaf North America U.S., Inc.
Leaf Tobacco Processing Facility
3174 Boddie Mill Pond Road
Nashville, North Carolina 27856-8255

End Use:

Tobacco processing plant

Size:

1,210,000 square feet

Features:

Fully heated and humidified warehouse area; over \$60 million of processing equipment installed.

Structure:

Conventional joist girders, tube columns and Butler Truss Purlins®

Walls:

Butlerib® II wall system and full height metal liner panels on warehouses. Processing building uses full-height insulated pre-cast exterior concrete walls.

Roof:

MR-24® and CMR-24® metal roof systems

Insulation:

Walls: R-10, 3"
Roof: R-11 through the 3/4" Thermax in CMR-24® roof system

Architect:

Warner·Nease·Bost Architects, Inc.,
Kansas City, Missouri

Structural Engineering:

BlueScope Construction, Inc., Kansas City, Missouri



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