



# NUECES COUNTY AIRPORT TERMINAL

An airport terminal with a highly durable, hurricane-resistant design.

## PROJECT DETAILS

Project Name:	Nueces County Airport
Location:	Nueces County Texas
Building Type:	Aviation Terminal - Airport
Stories:	1
Building SF:	2,661
Completed:	2018

## THE OPPORTUNITY

The engineer drove the spec on this project, and then the architect got on board. Chris Leonard: “It came down to simplifying the structural design to meet the wind zone requirements and have a wall system that would be energy code compliant. The original design would have been a complicated mix of CMU and structural steel. Multiple trades, multiple systems, longer lead times and schedules. As much as people think it was overly complex and difficult with the engineering design (pilaster, beams, etc...) on the Bautex wall, it would have been more complex and taken longer to do with traditional means and methods. “

## PROJECT TEAM

<b>Owner:</b> Nueces County Public Works
<b>Architects:</b> RSandH
<b>General Contractor:</b> BLS Construction
<b>Structural Engineer:</b> RS&H
<b>Bautex Wall System Engineer:</b> M&S Engineering
<b>Bautex Block Installer:</b> R&R Masonry

## KEY DESIGNS AND FEATURES

- A durable and sustainable structure for years to come.
- A structure in this hot-humid Texas climate to keep both building occupants comfortable, and energy costs low.
- A structural concrete design that stands up to high winds and debris impact.
- A strong solution to achieve energy code requirements.
- Highly energy-efficient walls won't deteriorate over time.

## CONCLUSION

By choosing Bautex, the designers were also able to simplify the design of the insulation and enclosure system for the airport terminal. The insulation and thermal mass of the Bautex system work together to deliver highly energy-efficient walls that won't deteriorate over time. This performance will result in year-over-year operating savings for the county and exceeds the 2015 IECC code requirements for mass wall systems by 250%.

## RESULTS

The team at Bautex worked with the architect, engineer and general contractor to ensure a successful design and build using the Bautex Wall System. The general contractor only had to utilize one subcontractor to get the walls completed, saving the county time, money and headaches. The design team only had to detail one system to achieve the structural, safety and efficiency demands of this project, saving time and reducing chances for errors.

While the benefits of using Bautex will be seen for years to come for the owner, the real value comes in simplifying and accelerating the design and construction processes.

