

Roma Performing Arts Center

Performing Arts Centre | 2020



AI-generated illustrative rendering

CLIENT

Raba Kistner Consultants, Inc.

LOCATION

Yamil R. Yunes Performing Arts Center, 2031 North U.S. Highway 83, Roma, TX 78584, United States

INDUSTRY

Real Estate and Insurance

SERVICE

Structural Dynamic Analysis

IMPACT

Used measured response and an engineering model to estimate how the performing-arts centre's frame and walls could respond to design winds.

CHALLENGE

The steel frame and CMU walls required assessment of their interaction and localized response, subject to documented access limits.

STRAAM APPROACH

STRAAM measured the structure's dynamic behavior for Raba Kistner, calibrated a finite-element model, and assessed wall behavior under supplied design pressures.

RESULT

The model estimated wall movement under the supplied design wind conditions, while field observations helped the engineers understand the building's response.