



**LIBERTY**  
BUILDING FORENSICS GROUP

*All Things Moisture*

# CASE STUDY

**Project: FAU Engineering Building**  
**Client: Leo Daly Architects**



## CHALLENGE:

Problem avoidance for a building seeking LEED® Platinum certification located in a warm, humid climate

## SOLUTION:

Liberty provided design and construction commissioning services to adapt building design to climate.

## RESULTS:

Award-winning building completed with reduced risk of future moisture problems

## CASE EXPERTS:

**Richard Scott, AIA** – Forensic Architect

**George H. DuBose, CGC** – Project Consultant

**Donald B. Snell, PE** – Forensic Engineer

## SERVICES PROVIDED:

Liberty Building Forensics Group (Liberty) provided building commissioning and peer review services. We recommended key design phase techniques to evaluate the building air, water, and vapor leakage characteristics. In addition, Liberty provided problem avoidance services during construction.

## CASE SUMMARY:

Architects seeking LEED® Platinum certification used innovative features in their building design, failing to consider that the LEED® rating system has not been adapted for warm, humid climates. To minimize conditions conducive to moisture problems, these state-of-the-art building features and systems required unique startup, commissioning, and maintenance. Implementation of building performance criteria for warm, humid climate design was needed. This included pressurization and flush out, indoor air conditions, building leakiness, water infiltration, and condensation control.

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