

**CASE STUDY :**

Field Quality Control
Envelope Design Consulting
Gulf Coast, Alabama

PROJECT DETAILS :

High-rise condominium towers located on the Gulf Coast, consisting reinforced concrete structure and curtainwall glazing systems. Due to loss events at an adjacent development of similar design arising from Hurricane Katrina, the developer wished to verify the envelope design was weathertight and hygrothermally sound.

In addition, a key emphasis was to be placed on development and implementation quality-assurance protocols specifically tailored to moisture management during construction.

**SCOPE OF SERVICES :**

BioPure was engaged to conduct a comprehensive design and specification review, and to assist in improving the performance of the building envelope, while ensuring constructability was maintained and enhanced.



The review process included advanced computer-based hygrothermal modeling to assess the performance of the design under varying climatic conditions. A bi-weekly quality-assurance inspection program which included water intrusion testing of installation critical details, and oversight of a proactive moisture management program during construction. As various building elements were completed, acceptance phase inspections were conducted to finalize the commissioning of the building enclosure.



For more information on this project and others, please visit www.biopure-consulting.com or call 404-817-9505 to schedule a consultation.