



Elementary School Air Barrier Oversight

SERVICES

- Roof Condition Assessments
- Building Envelope Analysis
- Materials Testing
- Roof Maintenance/Management Programs
- Life Cycle Cost Analysis
- Peer Review
- Quality Assurance Construction Observation and Reporting
- Non-Destructive Evaluation and Analysis
- Moisture Surveys (Infrared Thermography)
- Forensic Evaluations
- Design Services
- Project Management/Contract Administration

Service Overview

Nova's assessment services assist owners in evaluating the integrity of an existing roof or building envelope through comprehensive surveys that determine signs of deterioration, water tightness, and estimated remaining life. These evaluations can be augmented by nondestructive test methods utilizing a moisture gauge, nuclear density gauge, and/or infrared camera technology. Nova's primary approach to roof assessments is to prolong the life of the asset and provide clients with the information they need to make informed decisions. If it is determined that a roof replacement is the answer, then Nova's professionals can provide complete replacement design services, bidding assistance, and contractor selection review. Staff also provides on-site monitoring of installation activities.

Experience

With experience in design consultation and testing, Nova's professional advisors provide clients with the technical team members they need to tackle roofing and waterproofing issues. Nova offers installation oversight to ensure roof systems are installed and perform as intended and has experience in storm damage (cause and origin) assessments.



DOUG KNIGHT

Vice President, Equity Group Director

Mr. Knight is Director of the Equity Group. He has over 25 years of experience in the consulting engineering business, with a focus in environmental services. As a project professional, he has been involved with the identification, quantification, and mitigation of environmental and facility defects on a wide variety of commercial, residential, and raw property projects. Mr. Knight has experience in over 1,000 environmental and facility projects, including Phase I and II ESAs, hazardous substances (asbestos, lead, and radon), remedial investigation/delineations, PCAs, and building envelope commissioning. Mr. Knight earned a Bachelor of Science in Chemistry from Centre College in Kentucky and is based out of Columbus, Ohio.

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CASE STUDY

Summary

Nova recently assisted a client with a hail and wind damage insurance claim. The project consisted of a 180,000-square-foot facility in Arlington, Texas. The facility had 11 buildings with multiple roof types.

Highlights

Following a storm event, Nova's client contacted their insurance company, who initially denied their claim. Nova completed a follow-up investigation and documented the storm damage in detail. Armed with this information, the client was able to work with their insurance company to resolve the claim. Nova assisted the client with the roof replacement scope and reviewed the installation.

