



ENRGY 3[®] HD OFFERS MONEY AND LABOR SAVINGS FOR LIGHTHOUSE OF HOUSTON

JM Board Chosen Instead Of Gypsum For Its Durable Yet Lightweight Properties



Description: The Lighthouse of Houston, an organization supporting individuals who are blind or have low vision, faced rising maintenance costs as one of its roofs exceeded its useful life. An organization that serves more than 14,000 people annually through its programs, services, activities and events, The Lighthouse was seeking ways to keep costs low on a high-quality replacement.

Luckily, The Lighthouse has had a long relationship with Peak Roofing, which worked closely with the nonprofit to design a cost-effective, 20-year roofing solution that did not alter the aesthetics of the building or create any disruption to the good work being done inside.

Challenge: The mansard roofs on the project provide limited roof access and a limited area to stage material. The mansard roofs and mechanical units also created the need for the new roof to fit under low-clearance heights, while still providing the proper flashing heights. Conversely, raising the mansards and mechanical units would have required a crane on site for a significant amount of time, which would have greatly increased cost and completion time, while also having a greater impact on Lighthouse Houston's day-to-day operations.

Solution: A recover roof assembly using Johns Manville's new ½" ENRGY 3[®] HD cover board and 60 mil JM PVC SD Plus membrane. The recover application allowed Lighthouse Houston to keep using the insulation already in place and meant less waste going into a dumpster, and eventually the landfill. The recover application also limited the amount of dust, dirt, dumpsters, noise and disruption that a tear-off might cause, said James Landwermeyer, project manager at Peak Roofing.

ENRGY 3[®] HD provides greater R-Value than a gypsum cover board but is lighter, and easier to handle and maneuver in tight spaces. More importantly, using it meant the low-profile roofing system would not require modifications of roof equipment to manage height clearance issues. It also is resistant to indentation and crushing, while still allowing for easy and efficient scoring, cutting and snapping.

The ENRGY 3[®] HD, which was preliminarily fastened through the existing roof system into the steel deck, also was easier and faster to load onto the roof. That translated to labor savings on the load/install side of things, Landwermeyer said. Material was delivered by Commercial Distribution Specialist, with service by Commercial Territory Manager Kristine LaTouche. "CDS has proven to be a great partner who makes sure we always have the material we need, when we need it," Landwermeyer said. "This is a great help to making project installs go smooth and on schedule."

Location:
Houston, Texas

Johns Manville Representative:
David Giesy, Sales Representative
Southwest Region / Southeast Texas

Contractor:
PEAK ROOFING, Inc.
James Landwermeyer, Project Manager
Kelly Paige, President
JM Peak Advantage[®] Contractor

Material Supplier:
Commercial Distribution Specialists
Kristine La Touche, Commercial Territory
Manager

JM Roofing System Solution (ST6RA):
20-Year Peak Advantage[®] Guarantee

JM PVC SD Plus 60 mil Membrane
ENRGY 3[®] HD Polyisocyanurate
JM High Load Fasteners and JM Plates
JM PVC Adhesive LVOC

