



St. Jude Medical Center New roof meets new FM Global requirements

Caguas, Puerto Rico

Roof installed while production is maintained

High winds are a part of Puerto Rico's environment; so is the damage they cause. For medical device manufacturer St. Jude Medical Center, a blown off roof could be a disaster.

But that's what they faced with an old, blistering, failing 2,300 square foot roofing system over Building B, their production center.

Tremco roofing consultant Francisco Mirandes and Atlas Roofing Contractors stepped in to handle the complex project. Conditions included no interruptions to ongoing operations and no leaks during the job; competitive pricing; local manufacturer representation; and support after project completion. Plus the project had to meet new FM Global requirements in Puerto Rico (specifically, class 1A 1-180 over metal deck with a deck joist spacing of 7'6").

A thorough examination showed that the roofing system had to be completely replaced, but the metal deck was in good shape. The Atlas team first re-fastened the deck to the structural members. They then installed two inches of Trisotech Isocyanurate insulation over the deck. A 7/16" APA-rated OSB board was installed over the insulation; both were secured to the metal deck using SIP fasteners. Finally, a durable, watertight, wind-resistant BURmastic roofing system was installed, finished with Tremco's POWERply standard FR cap sheet.

Per the new FM Global protocol, the finished roof assembly was tested to ensure that it met its rating. The roof performed flawlessly. Production continued throughout the roof's installation, the owners are delighted, and a 10 year QA Plus warranty will keep the system in top shape for years.

Contractor:
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BURmastic Roofing System

- Built up, multi-ply cold process system
- Provides excellent waterproofing coverage
- Extremely durable, superior tear resistance
- Eliminates fire hazards, noxious odors
- Uses VOC-compliant adhesives
- Meets FM Approval standards

10 Year QA Plus Agreement

- Provides roof inspections, preventive maintenance and housekeeping services in specific years during the agreement's life, including:
 - Visual inspection of roof membrane and surface conditions, and flashing systems
 - PM on metal edge flashing components, tears and splits in flashing membrane, and roof membrane repairs
- Written reports following roof inspections

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