



**GAF Materials Corp. • 185,000 sf Mechanically Attached 45-mil TPO Re-roof project • Gainesville, TX**



When GAF Materials Corporation purchased a building in Gainesville, Texas to house their state-of-the-art Thermoplastic Polyolefin (TPO) membrane manufacturing facility, they chose R L Murphey for the reroofing project. GAF is North America's largest roofing manufacturer with commercial and residential products. The facility is the largest operational production line in North America to exclusively manufacture TPO single-ply membrane roofing products. R L Murphey Commercial Roof Systems was selected to install GAF's own EverGuard® TPO membrane roof system on the building.

The existing roof was an EPDM ballasted roof system. The ballast rock was removed by power vacuuming it off the roof, exposing the existing EPDM membrane underneath. R L Murphey then mechanically fastened half-inch EverGuard® Fiberboard roof insulation over the EPDM roof system. The 45-mil EverGuard® TPO membrane was mechanically attached to the existing metal deck. All penetrations, drains and parapet walls were flashed with field-fabricated flashings, while GAF's prefabricated pipe boots and molded TPO sealant pockets were used on the pipes.

The 185,000 square foot roof area was recovered in two phases. The first phase utilized white TPO membrane covering the main production and warehouse area. The second phase of the project used EverGuard® Color TPO membrane in red, blue, green and gray to accent the office roof and penthouse areas of the roof. GAF offers pre-formulated colored membrane as well as a custom color process available through special order. All of the products were manufactured in the Gainesville facility. Rooftop penetrations included HVAC units, cooling towers and exhaust fans. The corresponding flashings were finished in the different colored membrane used in these areas. The EverGuard® TPO was very flexible and easy to work with and the R L Murphey crew of ten installers completed the job on schedule and with no disruption to normal plant activities. After receiving a Master "10" Quality inspection rating from GAF Materials Corporation on the project, a ten-year no dollar limit warranty was issued on this property.

R L Murphey Commercial Roof Systems has installed and warranted more than 40 million square feet of TPO roofing on industrial and commercial buildings in Texas and throughout the United States since the company's inception in 2002, and has been a certified GAF TPO contractor since 2004.