

Texas Instruments RFAB Building



I can't have any dust inside my building, I want it Green, LEED Certified and have an aggressive schedule you must hit

The world's first LEED Gold® Certified fab & the first energy star cap sheet in the market

Texas Instruments embarked on an ambitious project to build the world's first green, LEED-certified (Leadership in Energy and Environmental Design) semiconductor manufacturing facility. The aim of the endeavor was to reduce construction and operating costs and to minimize impact to surrounding communities and the environment. To meet the requirements, we installed one of the first modified energy star PVC roof membrane over six different roof elevations, and different roof deck types to help TI achieve its LEED goals. Wow!

Raving Fans

"On behalf of Austin Commercial and myself, congratulations for a job well done at TI. Castro Roofing met all milestone dates confronted by numerous changes, a demanding schedule, and weather."

Roland Zarate, Project Manager, Austin Commercial

"There were numerous scheduling and detail problems that worked out to keep the project on time and within budget. It was a pleasure to have the opportunity to work with Castor Roofing on such a large and fast-paced project." **Don McIntare**, Sr. Engineer, McIntare, and Associate

"I am proud of your accomplishments, which was rated Number One for Outstanding Projects in 2004 and 2005 for Texas new construction projects. It is one project you should also be proud of knowing your roofing crews have developed an image for your company of being dependable, proficient, and possess exceptional workmanship quality in the roofing industry. As I tell architects and owners, "we have one of the best single plies available on the market, but we are not no better than the roofing contractor that installs our roofing membranes."

Rick Chappell, Southwest Regional Manager, Sarnafil

"We congratulate Castro Roofing for a job well done on the Texas Instruments RFAB Project. You been GAF Master Contractor since 1996. We are proud of our association with you and look forward to working with you on many more roofing projects." **Mike DiStefano**, GAF



CASTRO ROOFING
EMPOWERING BUILDING OWNERS

Our promise to you

We Promise to permanently stop your nightmare roof leaks, extend the life of your existing roofs, determine real storm damage to your facilities, empower you to make smart roofing decisions, and ultimately to reduce your stress and increase your happiness. We call it **Total Roof Health Solutions**.

Client:

Texas Instruments

Challenge:

The metal deck over the FAB building had to be maintained dust free for proper fabrication of high-tech chips, so we could not allow microscopic contaminants to enter through the roof system.

Solution:

Prior to installing the PVC roof membrane and the multi-layer of insulation, all end-laps, side-laps, and tiny holes in the metal deck were sealed with a special ice & water shield membrane to create a total system envelope.

Results:

The ice & water shield was installed using care not to cause any voids or wrinkles on the tight corners of the metal deck. The ice and water shield had to be inspected daily early in the morning. After multiple inspectors approved the rigorous inspection process, multiple layers of insulation and membrane roofing were installed.

Award Winner

NRCA Gold Circle Award & Outstanding Commercial Project and NTRCA Gold Hammer

Contract: \$4,958,426 **Sq. Ft.** 490,925