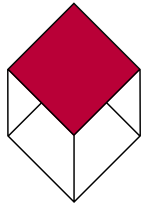


Project Profile



Oracle USA, Inc.

High-rise headquarters gets roof makeover

Problem

The original ballasted EPDM roof on Oracle USA's 12-story structure was losing pavers over the edge due to high winds. Due to the height of the structure and the winds associated with tall buildings, safety for the D. C. Taylor Co. crew working on the roof was of utmost concern. Preventing debris falling from the roof and guarding safety at ground level was also very important. Since the Oracle USA structure is essentially a glass curtain wall, a crane was necessary for the project. This crane had to be located directly in front of



the main entrance, so disruption of business was a concern. Additionally, roof work was being done directly over the CEO's office which held several pieces of priceless artwork. Because of safety issues and costs associated with replacing this type of roof, the client needed a long-term solution.

Solution

In a six-week period, D. C. Taylor Co. replaced Oracle USA's roof with a fully adhered and ballasted roofing system with interlocking pavers. Remarkably, this \$825,000 project did not require any change orders – a testament to competent design, quality products, and expert workmanship.



Oracle USA, Inc. Redwood Shores, California

Oracle USA, Inc. is the world's leading supplier of software for information management and the world's second largest independent software company.

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Reroofing details

Working with Allana Buick & Bers, an architectural and engineering firm providing consultancy in roofing and waterproofing, a reroofing solution was designed.

The membrane used on the Oracle USA roof was a 60 mil, felt-backed G-410 Sarnafil membrane, fully adhered to the concrete deck. Prior to the installation of the membrane, lightweight insulating concrete was poured to enhance drainage of the roof's surface. The membrane system was then covered with a protection layer of Sarnafil's G-445 membrane, which was in turn covered with a drainage panel prior to the installation of an interlocking paver system by Hanover Architectural Products.

- D. C. Taylor Co. installed a fall protection system for the safety of the crew. All roof workers were tied off 100 percent of the time.
- Crews were scheduled to work weekends rather than weekdays to ensure safety at ground level, and avoid disruption of business.
- D. C. Taylor Co. took extra precautions to protect the valuable artwork in the CEO's office from possible roof leaks. After completion of the membrane and flashing work, the roof was inspected three separate times before the 48-hour water test (by the D. C. Taylor Co. project manager, design consultant, and Sarnafil representative).

The warranty for this roofing system is 20 years. D. C. Taylor Co.'s experience with Sarnafil waterproofing systems and the fact that they are protected from ultraviolet light, mechanical damage from other trades, and weather events – this roofing system is expected to function as intended for at least another five years beyond its warranty, exceeding the client's desire for a long-term solution.

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