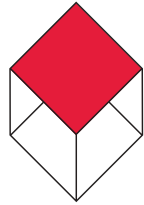


# Project



# Profile

## Marin County Civic Center

Protecting one of Frank Lloyd Wright's largest designs.

### Problem

The forty-year-old roof on the Marin County Civic Center needed restoration and repair. The unique design of the roof posed several challenges. Protecting the historical significance of this landmark and protecting workers and the public during construction were key factors in choosing a roofing contractor.



### Solution

D. C. Taylor Co. provided the right combination of specialized expertise, and attention to safety and detail that the Marin County Civic Center required. Technical Roof Services, Inc. provided roof consulting services. United Coatings' Elastuff Roof System was selected for its unique ability to adhere to the existing coating and concrete deck substrate.



Marin County Civic Center  
San Rafael, California

In 1960, Frank Lloyd Wright designed the Marin County Civic Center in San Raphael, California. The 220,000 square-foot structure is constructed of cast-in-place, lightweight structural concrete. The building features a dome and double barrel style roof sections. In the valley of the barrels is a skylight, which runs the length of the building. The building has experienced roof leaks from the time it was constructed.



### Focus on safety

- Thaler Fall Arrest Anchors were permanently installed for the crew members use and future use of maintenance personnel. Full body harnesses were attached to the Thaler devices.
- Tubular scaffolding was erected around the entire project and structural plywood was placed over the skylights. This protected the public, building occupants, sub-contractors, suppliers, consultants, and most of all, the crew.
- Ecological impact was also considered. All water from power washing had to be collected and tested for lead contamination.
- An Industrial Hygienist monitored wind and air conditions to protect the public from exposure to overspray from the solvent-based coatings.

### Focus on craftsmanship

- The barrel roofs consisted of 671 circular concrete ornaments and over 3.6 miles of concrete ridge bar ornaments which were all restored. The detailed process consisted of applying concrete patch, cleaning, priming, applying membrane patch, pouring urethane filler (to promote drainage), applying reinforced base coat, an intermediate coat and a blue finish coat.
- In the gutter areas and between operable skylights, crew members installed tapered SPUF for slope and drainage, and then applied coatings.
- Carlisle EPDM Elastoform was installed to reinforce expansion joints every 120 feet, and to reinforce the joints with the skylight.
- The anodized aluminum roof edge fascia was removed. Crew members identified and numbered each section and stored them off-site. When the roofing work was completed, the fascia was reinstalled to preserve Frank Lloyd Wright's original design.
- After cleaning the roof, crew members patched concrete, poured sealant to fill low spots, primed, installed reinforcing fabric and applied pre-detail coating. Finally, the base, intermediate and finish coats were applied to the remaining roof.
- The project took almost two years to complete and required 16,000 man-hours.

800-876-6346  
www.dctaylorco.com



Responsible roofing, inside and out.