

Featured Project

Trojan Battery Company
Santa Fe Springs, CA



Highland Commercial Roofing is pleased to announce the successful completion of its re-roofing project for Trojan Battery Company's 160,000 square foot Headquarters in Santa Fe Springs. Trojan Battery Company is a world leading manufacturer of deep-cycle batteries with several other large industrial buildings in California.

Project type: Re-roof existing facility. Replace 100 Skylights (smoke-hatch type). Replace 17 roof drains.

Conditions: The subject facility had been leaking for years and inventories had been threatened by moisture intrusion.

Solution: After careful consideration, Trojan Battery turned to Highland Commercial Roofing to apply a RainShield® seamless single-ply roofing system over the existing built-up roof. The RainShield® system, reinforced with a super tough polyester mat, uses superior waterproofing grade asphalts and highly reflective elastomeric acrylic surfacing to create a seamless, waterproof, highly reflective membrane providing a permanent, seamless, high-performance roofing system guaranteed not to leak for at least 20 years. The "Cool Roof" system chosen reflects over 80% of the sun's radiant heat, which can reduce a building's cooling cost by as much as 50%. Incorporated into the project was the replacement of 100 outdated skylights (smoke-hatch type) with 100 Polycarbonate Dome UL Listed Smoke Vents (by [SKYCO Skylights](#)). Seventeen outdated drains were also replaced with new cast iron drains set in sumped drain boxes.

Results: The existing built-up roofing system on the building had miles of seams attributing to many roof leaks, all of which were eliminated by the installation of the RainShield® Roofing System. With 100 new Polycarbonate Dome UL Listed Smoke Vents (SKYCO Skylights), Trojan Battery will be able to save upwards of 40% on their power consumption for its warehouse. The newly installed cast iron drains set in sumped boxes will greatly increase water drainage and eliminate the past leaks at drainage areas. The RainShield® system also provided the added benefit of a reflective Cool-Roof surface, which is expected to positively impact the utility usage and operation expense of the buildings. The entire project was accomplished with no disruption of the tenants' business activities.

Wrap-up: All roofing systems eventually reach the end of their useful service life, and when they do, the effort, expense and hassle of continuing maintenance far exceeds the cost of roof replacement. Roof replacement can also be disruptive and expensive. RainShield Seamless Roofing Systems provide building owners with a cost effective roofing alternative with over 70 years of proven success in the field. RainShield Systems can cost roughly half that of a BUR or PVC roof replacement and are available with Leak-Free Full System Guarantees up to 30 years. For more information on this project, or RainShield Seamless Roofing Systems, contact Highland Commercial Roofing at 866-880-5252.