



View of lower gravel roof section covering the main lobby, executive offices and hotel restaurants.



Also on this section, were planter boxes and multi-segmented skylights.



During winter rains, water ponded on the walkways and reports of major leaking into the restaurant and lobby sections required new waterproofing membranes.



Investigation of the floodlights in the planter section revealed water entering behind corroded o-ring seals.



A test cut in the planter box reveals a plywood deck, followed by a 4 ply BUR, followed by a single ply membrane, followed by 1" fiberboard insulation, followed by an EPDM membrane. Insulation is saturated from years of water infiltration.



Working closely with the consultant and architect, it was determined that to correct the leaking problems, the planter boxes would need to be emptied and the existing membrane torn off to the deck. The roof deck would have its gravel surfacing removed, and a new WeatherWeld membrane installed.



The gravel surfacing was broomed, vacuumed and broomed.



On the newly prepared surface, a leveling scrim of polyester was set in 15 gallons of Henry's 121 emulsion. Test cuts were made to ensure that there be no voids between the lower BUR and the polyester scrim.



Next, two applications of the WeatherWeld Seamless Composite system were applied. The newly finished membrane would be 250 dry mils thick, with over 2.2 miles of fiberglass reinforcement per square foot.



Once allowed to fully cure, new walking pavers and decorative gravel would be carefully loaded onto the new WeatherWeld roof surface.



The decorative pavers were aligned to achieve the architects vision of interlocking squares, with a decorative surfacing of 3 colors of gravel, imbedded into 8 gallons of emulsion.



The finished WeatherWeld Seamless Composite membrane and decorative pavers and gravel surfacing will provide the San Jose Doubletree Hotel with years of trouble free protection and beauty.