

SKY GARDENS OF SAN JOSE

The “Sky Gardens” of San Jose stems from the vision that the site is foremost a PARK, that it should be enjoyed by magnitudes of people SIMULTANEOUSLY and the fact that it should be a world class visible ICON / LANDMARK. Combination of these two ingrained notions gives us the obvious solution _ the Elevated Gardens.

The Sky Gardens affords sweeping views of the city and the mountains beyond. The top surface is treated as a typical park with fully grown mature trees.

The size of the Sky Garden is the size of a nearby city block, ie 560’ x 280’. The Sky-gardens is at 140’, thus everything is within the Max 200’ height limit. The Clear Height of the Sky-Gardens below is 110’, well above the high electrical line. The 4 massive piers that houses the 2 cable cars, 2 escalators, stairs, service elevators and emergency exit, holds up the Sky-Gardens. The footprints of the piers are all within the project area. All elements that are to be retained in the park are retained.

Large circular Tree-turtables on ground level, are reminiscent of the children carousel and locomotive turn tables of old times, paying homage to site history & nearby train station. The turtables rotate the trees to their new position on the hour, every hour to much delight of the visitors. This kinetic tree-turtables transform the park into a surrealistic landscape never yet seen in the world!

The ‘Sky Gardens’ constructed of 20’ deep Vierendeel Truss system houses programs of Nature Museum, glass floor Hanging Galleries where view of Confluence Point is part of the exhibit, Revolving Restaurant, Sky-Aquarium, children Wading Pool and a Virtual Reality kinetic gaming hall showcasing the greatest inventions of San Jose.

The suspended water fall at the center of the revolving restaurant is the Emotional Heart of the project and it hovers exactly over the confluence of the two rivers.

The curtain wall glazing is lined with LEDs, turning the façade into a kinetic light display system.

Recently invented transparent solar panels designed as solar trees are placed on the garden along with natural trees. Furthermore, nearby parking lots can be covered with regular solar panels. For reducing cooling & heat exchange loads on refrigerants, geothermal heat pumps and closed loop coils within the river are used. These strategies will work towards achieving Net Zero.