

## Geneva Chavez Community Center

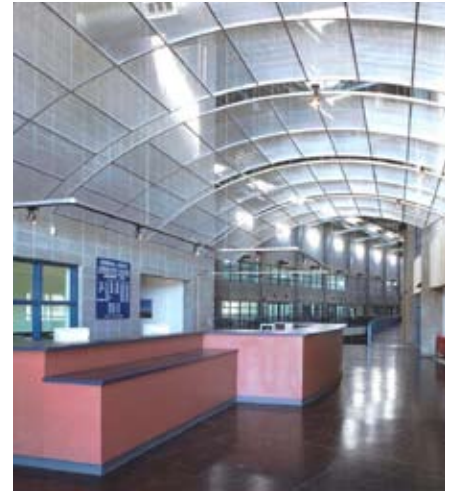
The Genoveva Chavez Community Center brings together members of the Santa Fe community in shared activities, including swimming, ice skating, basketball, jogging and weight-training.

Some of the trusses over the natatorium are up to 200 feet in length. These have curved top and bottom chords. They were assembled from 25' segments lying on their sides on the floor. Special bracing had to be added at the joints to allow them to withstand the stresses of rotating them 90 degrees from a flat to vertical position as they were erected. It took two cranes operating in tandem inside the building to lift each truss. The pools could not be dug until the trusses were erected.

The ice rink is truly state of the art. All of the cooling systems have backup equipment, and a heating element below the ice prevents it from causing artificial permafrost in the ground below the rink.

The leisure pool has a beach entry at one end for toddlers, along with a slide in the shape of a frog. The water slide makes two full loops from top to splash. The 50-meter pool has a floating bulkhead and full diving competition capacity.

Both the pool area and the hockey rink generate a high amount of corrosive humidity. All the surfaces in these areas had to be coated with special vapor barrier paint whose perm rating is .347. The structural walls are constructed of exposed concrete columns and beams with CMU and glass infills. The roof structure is a combination of galvanized acoustic deck and long span trusses at 20 ft. on center. It incorporates continuous metal panels, some of which are 350 feet long by three feet wide. Flat-roofed areas of the building received a polyurethane foam roof.



**Location..... Santa Fe, NM**  
**Owner ..... City of Santa Fe**  
**Architect ..... Mazria Riskin Odems**  
**Cost.....\$18.5M**  
**Size ..... 151,600 sf**  
**Completed .....January 2000**