



CITY OF HENDERSON SENIOR CENTER

HENDERSON, NEVADA

ARCHITECTS:

Carpenter Sellers Del Gatto Architects

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Design Architect

STRUCTURAL ENGINEER:

Wright Engineers

GENERAL CONTRACTOR:

Rafael Construction, Inc.

MASONRY CONTRACTOR:

Ramco Masonry, Inc.

BLOCK PRODUCER:

CEMEX

OWNER:

City of Henderson

Architect's Commentary: "A building that sits lightly on the land" is how the City of Henderson described their vision of the new Senior Center. The ensuing program and design creates a facility that sits lightly on the land both aesthetically and environmentally; the Senior Center is targeting LEED Gold certification. The building design, inspired by the surrounding mountains, is simple geometry with gently sloping, ribbed, metal roof planes that bend down toward the earth and become wall planes that transition to the landscape.

Why Masonry? Natural daylight and views were a critical part of the design. Windows were strategically placed to take advantage of views when sitting and standing. Kalwall and frosted glass provides natural light to reduce power consumption and enhance the interior environment. The structural engineering for the masonry opening was critical to achieve the very large openings that accentuate exterior views. The masonry units were light buff with a black flick with a compressive strength of f'_m not less than 2,500 psi, which allowed the overlapping glass block opening in the Main Lobby and the 32-foot span of windows in the multipurpose room.

A high-performance, standing-seam metal roof and wall system with deep overhangs shade the walls and give the appearance of floating over the land. An exterior steel cage filled with stones, "gabions", signifies the entry sequence and breaks the boundary of the exterior building, creating a dynamic entry wall and unique presence of the retail shop. "Ocotillo" inspired steel support columns provide dramatic structural support of the entry canopy and interior lobby. The adjacency to an aquatics facility provided the opportunity to share a geothermal field and heating and cooling of both facilities.

Interior elements are a mixture of earthy and modern; a creative juxtaposition of wood, stone, glass, steel, cork, marmoleum, rich textural drapery and special lighting treatments all work together to create a facility that is warm, friendly, inviting, durable and sustainable. Low VOC paint and carpets round out the interior design. The senior center houses a commercial kitchen, dining area, wellness center, crafts / game rooms, demonstration kitchen, fitness/weight room, multipurpose room, conference rooms, movie room and administrative spaces.



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