

## Construction Project Experience: Concrete, Steel and Wood

Fred has extensive experience self performing concrete work as a general contractor and sub-contractor. Licensed California Concrete Contractor "C-8" classification. Concurrent experience building with structural steel, concrete reinforcing steel (rebar) and wood framing.

### Cast-In-Place (CIP) Concrete Structures

- **Agua Caliente Casino Hotel, Convention Center and Spa:** 445k sf, 17-story high rise hotel tower with 20 ft deep below grade basement. Rancho Mirage, CA. (Roel Construction)
- **Park Laurel Condos (Phases I and 2):** Twin 14-story towers with two floors 120k sf underground parking. San Diego, CA. (Roel Construction)
- **Laurel Bay Apartments:** Three floors underground parking 156k sf, encompassing entire city block. San Diego, CA. (Roel Construction)
- **Agua Caliente Casino Parking Structure:** 720k sf four-floor parking structure. Rancho Mirage, CA. (Roel Construction)
- **San Diego Qualcomm Stadium Renovation & Expansion:** Five-level concrete stadium structures, seating 17k people. Two exit ramp structures, four 6k sf elevated club lounges, two escalator structures, four gate structures, and site work. San Diego, CA. (Nielsen Dillingham Builders)
- **The Village Hillcrest:** 305k sf four-level underground parking garage. 176k sf seven-story hospital/medical office building and 84k sf five buildings, concrete on metal decking. OSHPD and City of San Diego permits. San Diego, CA. (Nielsen Construction)
- **Palomar Hospital:** Two-story concrete co-generation plant structure. CIP walls, floors and roof. Escondido, CA. (Pinner Construction)
- **Lincoln Samaritan Hospital:** 400k sf, four-story hospital. One-level CIP below grade with concrete on metal decking above grade. Extensive tall site retaining walls. Glendale, AZ (Sundt Corporation)
- **Chino Waste Water Treatment:** 6mgd plant expansion. 25 each structures including round digester tanks and circular clarifier units. Chino, CA. (Sundt Corporation)
- **Yuma Waste Water Treatment:** 3mgd plant expansion. Multiple concrete structures and retaining walls, Yuma, AZ. (Sundt Corporation)

### Tilt-Up Concrete Buildings

- **Faraday Owners Association:** Foundation settlement remediation of a two-story tilt-up building. Foundation underpinning, slab replacement, and building repairs. Carlsbad, CA. (Nolta Consulting)
- **Perris Administrative and Operations Center:** Eastern Municipal Water District: 99k sf five buildings, design build tilt-up lump sum competitive bid. Construction management 30 acre site development concurrent with buildings. Perris, CA. (Nielsen Dillingham Builders)
- **Black Mountain Shooting Range:** 27k sf indoor target range. Poway, CA. (Nielsen Construction)
- **HRE:** 35k sf manufacturing and office building. Carlsbad, CA. (Nielsen Construction)

## Pre-Cast, Pre-Stressed and Post-Tension Concrete

- **Salinas Valley Memorial Hospital Utility Tunnel:** 600 ft long x 20 ft wide pre-cast concrete underground utility tunnel. Salinas, California. (Nolta Consulting)
- **Agua Caliente Casino Hotel, Convention Center and Spa:** 445k sf, 17-story high rise hotel tower with post-tension decks. Rancho Mirage, CA. (Roel Construction)
- **Park Laurel Condos (Phases I and 2):** Twin tower 14-story post tension deck high rise structure. Pre-cast architectural grade exposed aggregate concrete skin. San Diego, CA. (Roel Construction)
- **Agua Caliente Casino:** Pre-cast panels part of 720k sf four-floor parking structure. Rancho Mirage, CA. (Roel Construction)
- **San Diego Qualcomm Stadium Renovation & Expansion:** Pre-cast raker beams, beams, columns, seat bents, and railings. Pre-stressed double Ts and hollow core planks. San Diego, CA. (Nielsen Dillingham Builders)
- **Uptown District:** 262k sf Pre-stressed double Ts and pre-cast beams. San Diego, CA. (Nielsen Construction)
- **Olen Parking Structure:** Pre-stressed driven pile foundation; pre-stressed double Ts; and pre-cast beams, planters and railings. Irvine, CA. (Pinner Construction)
- **Chino Waste Water Treatment:** Pre-stressed bridge beam girders. Chino, CA. (Sundt Corporation)

## Slip & Jump Form Concrete High-Rise Building Cores

- **Park Laurel Condos:** Twin towers, 14-story jump-form core with post tension decks. San Diego, CA. (Roel Construction)
- **Uniden R&D:** Four 164ft 10-story jump formed concrete building core towers completing one floor on a four-day cycle. San Diego, CA. (Nielsen Dillingham Builders)
- **AT&T Tower:** 583ft 51-story building core completing one floor per day. Kansas City, MO (Sundt Corporation)
- **Williams Square:** Twin towers, 410ft 30-story building core completing two floors per day. Dallas, TX (Sundt Corporation)
- **Olympia & York Office Building:** 490ft, 40-story building core, completing one floor per day. Dallas, TX (Sundt Corporation)

## Massive Matt Slab Foundations

- **Park Laurel Condos (Phases I and 2):** Two 14-story above grade towers plus 2 levels underground. 9 ft thick matt slab foundation and footing system. San Diego, CA. (Roel Construction)
- **Agua Caliente Casino Hotel, Convention Center and Spa:** 17-story above grade hotel tower with a 22 ft deep basement. 9 ft thick matt slab foundation. Rancho Mirage, CA. (Roel Construction)
- **San Diego Qualcomm Stadium Renovation & Expansion:** Existing 2-level concrete stadium structures renovated adding 3 more additional levels. Retrofitted matt slab foundation system. San Diego, CA. (Nielsen Dillingham Builders)
- **Baca Geothermal Power Generation:** 50k megawatt new plant with matt slab foundation under the power block. Baca, NM. (Sundt Corporation)

## Structural Steel (High and Low Rise Structures)

- **Agua Caliente Casino Hotel, Convention Center and Spa:** Spa building and convention center. Curved roof structures with standing seam roofing. Rancho Mirage, CA. (Roel Construction)
- **Morongo Mission Indians Administrative Complex:** 3-story 67k sf administration bldg and round shape 8k sf council bldg (theater), central plant. Cabazon, CA. (Roel Construction)
- **Agua Caliente Casino:** 125k sf 30 ft tall steel frame structure with 2500 slots and gaming tables casino, 450 seat buffet dining, entertainment/performance room, two 150 seat restaurants, and interior water features. Rancho Mirage, CA. (Roel Construction)
- **Lake Mead Medical Arts Bldg, MOB:** Three-story, Type 1, 60k sf medical office bldg. shell and IT with MIR unit. Las Vegas, NV. (Nielsen Dillingham Builders)

- **San Ramon Regional Medical Center, MOB:** Three-story, Type 1, 80k sf medical office bldg. shell and IT with outpatient surgery unit. San Ramon, CA. (Nielsen Dillingham Builders)
- **Mark V. Maintenance Facility at North Island Naval Air Station:** High bay steel structure for servicing/garaging the Mark V jet boats. Curved castled wide flange roof beams. San Diego, CA. (Nielsen Dillingham Builders)
- **Uniden R&D Complex:** Design build 10-story 250k sf office tower and 10k sf tilt-up physical plant/cafeteria building. San Diego, CA. (Shimizu/Nielsen Dillingham J.V.)
- **Citrus Hills Intermediate School, Corona Norco Unified School District:** 119k sf six building, 1&2-stories tall school campus on 17 acres. Corona, CA. (Nielsen Dillingham Builders)
- **Perris Administrative and Operations Center:** Eastern Municipal Water District: 99k sf five buildings, design build. Pre-engineered steel (Butler Steel Inc.) tapered column/beam system with sloped steel roof and concrete tilt-up wall panels. Perris, CA. (Nielsen Dillingham Builders)
- **The Village Hillcrest:** 7-story OSHPD hospital and medical office building (MOB); 4-story movie theater & office; and two each 2-story apartments and retail. San Diego, CA. (Nielsen Construction)
- **Tustin Office Complex:** 45k sf shell and T.I. 3-story steel frame. Tustin, CA. (Nielsen Construction)
- **Trans America Data Center:** 35k sf computer complex. San Diego, CA. (Sundt Corporation)
- **Sycamore & San Marcos Land Fills:** Methane gas recovery/co-generation plants. Pre-engineered steel buildings. (Nielsen Construction)

## Wood Framing (Residential & Commercial)

- **Hadley Villas Apartments:** 150 garden apartments with club house for seniors. Single story cluster housing with HUD financing. La Quinita, CA. (Roel Construction)
- **Laurel Bay Apartments:** 151 apartments/condominiums 160k sf, 20k sf retail and clubhouse. Five floors above grade wood framing over three floors 156k sf of underground parking (podium deck) encompassing entire city block. Zero lot line, urban redevelopment project. San Diego, CA. (Roel Construction)
- **Uptown District:** 275 condominiums and townhouses up to 4-story over 262k sf parking garage (podium deck). 151k sf seven 2&3-story wood frame buildings, retail use. 14 acre urban redevelopment. San Diego, CA. (Nielsen Construction)
- **Regency Villas:** 122 condominiums 4-story structures over underground parking (podium deck). San Diego, CA. (Sundt Corporation)
- **Brookside Terrace:** 187 townhouses. San Pablo, CA. (Sundt Corporation)
- **Chino Waste Water Treatment:** 6mgd plant expansion including a 25k sf single story office building Chino, CA. (Sundt Corporation)
- **Daharan School:** 40k sf remodel and new construction. Single story structures. Daharan, Saudi Arabia. (Arabian Sundt Construction LTD)