PREFACE SHEET IMAGE CREDITS

Cover sheet, top:  SABINO MOUNTAIN RECREATION CENTER

Cover sheet, middle:  SUN CITY VISTOSO RECREATION CENTER

Cover sheet, bottom:  GARDEN PLACE SUITES

This sheet, top  RANCHO DE FALLA HACIENDA (Design Image)

This sheet, side:  GATEWAY STUDIO SUITES (Ground Breaking)

Opposite sheet: SIERRA TUCSON, CATALINA LEARNING CENTER
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**INTENTION OF PORTFOLIO**

This (abridged) portfolio is presented to Director Robert Miller of the University of Arizona, School of Architecture as evidence of extensive architectural design experience relevant to teaching design studio courses. Projects are presented based on documentation selected to particularly indicate a wide range of commercial and residential project exposure, which in turn represents significant Project Manager, Project Architect, and Project Designer experience - in terms of both construction technology and architectural design. The scope of projects cover a broad range of building types including hotel, hospital, resort, theatrical, social, recreation, residential and natatorium environments, each having specialized construction, functions, and systems that would be encountered in many studio-level design projects.
GARDEN PLACE SUITES HOTEL, Sierra Vista, Arizona

Completion: 2009

Over the course of 8 years, this project evolved from a three-story office building, to a five-story hotel, and ultimately into a 96-room, three-story hotel. Design challenges stemmed from the need for a nice-looking, economically feasible building, on a small site with restrictive zoning. Having shoehorned the project requirements into an acceptable design, the real challenge came during construction after the project was underbid by over 1.5 million dollars. The contractor elected to follow through with construction as bid. Change orders were minimal and the contractor’s final price stayed close to the bid amount. Hotel amenities include 96 Guest Suites, a meeting room, two-story lobby, dining room, recreation room, catering kitchen, offices and a commercial laundry.

The incredible success of this project was largely due to having the architect fully involved throughout the process. (Ray Barnes; Project Architect / Designer & Kevin Otsuka; Project Intern, employed by Raymond E. Barnes Design Architecture LLC.)
GARDEN PLACE SUITES HOTEL, Sierra Vista, Arizona
ROGERS RESIDENCE, Tucson, Arizona

Completion: 2003

This expressive two-story, 4,000 sf home, overcame the adversity of an unwanted site to become a prominent feature in the neighborhood. The dramatic forms express a composition of complementary architectural volumes that address individual responses to privacy, solar angles, views, and emotional atmosphere. Functional areas include a three-car garage, kitchen, dining, great room, master bedroom suite, an office, two guest bedrooms, an upper level recreation room, and a large covered entrance verandah having an “enchanted” water feature which provides a cooling effect. The oasis style, mountain vista patio includes a terraced pool and spa with a view to downtown Tucson.

This home was included on the 2003 AIA Home Tour. Additionally, in the recession year of 2009, the home sold for more than twice the 2003 new home price.

As the Project Architect / designer, employed by Raymond E. Barnes Design Architecture, LLC, seeing the success of this home is extremely rewarding.
Completion: 1999

This is definitely a smaller-sized recreation center. Being functionally successful, the building carries an exquisite and sculptural attraction. Perched on a hilltop, overlooking the Tucson valley, the building serves as a focal point at the apex of an exclusive gated community. Amenities include a main room, set above the swimming pool, an office, a bar and toilet facilities. Building materials are mostly stone walls with storefront glass infill. The structural system consists of roughsawn glued-laminated beams and the roof is a standing-seam metal roofing system.

This project was transferred from the firm of Barg Meeks Barnes Inc. to the newly established firm of Raymond E. Barnes Design Architecture, LLC., thereby maintaining continuity of Ray Barnes as the Co-designer, Project Architect, and Architect of Record.
Completion: 1998

Consisting of four separate buildings, this project is a two-story, 62,000 square-foot recreation/community center and golf clubhouse for a prominent retirement community, overlooking the city, high in the northwestern Las Vegas foothills. Significant function areas include dining, with full commercial kitchen facilities, a pro shop with a large, below-grade golf cart storage space, crafts, art, and exercise rooms, multi-purpose rooms, and a full-feature theater-auditorium. The Stardust Theater contains 300 seats and a “legitimate” stage, complete with fire-rated proscenium curtains and a deluge sprinkler system. Theatrical lighting, sound systems, acoustical engineering, lighting control systems, sound control systems, and a projection / control room are part of this project.

In addition to traveling to Las Vegas during the construction phase every two weeks as the Project Architect, employed by Barg Meeks Barnes Inc., involvement during the design phase on this high-end project was particularly pivotal in the project successess.
Completion: 1994

The largest building component of this retirement community Recreation Center contains two, olympic-size swimming pools, separated by a common walkway and surrounded above by a perimeter, upper-level, walking-jogging track. There is a large, operable skylight and sufficient exterior glass to make this swimming and exercising space delightful. The project also has a 15,000 square foot ballroom with an integral performance stage. Included in the recreation facility are card rooms, a tap dancing room, a billiards room, multi-purpose rooms, ceramics and art rooms, a wall street room and administrative offices. The building construction is a mix of structural steel, cast-in-place concrete, and metal studs. The jogging track is 8” thick fiber-reinforced concrete, carefully placed with strategically located control joints to keep the floor virtually crack-free.

As the Project Manager, employed by Barg Meeks Barnes Inc., the project can be noted as being particularly challenging, considering the extra large spaces.
This six-story hospital building project involved many design constraints, including flight paths for the heliport, constructing on a high-seismic zone site, matching connections and services to an existing building, and hillside topography. The form of the building reflects the above criteria. The new portion of the building design project consisted of a two-story main lobby, two levels of parking garage, patient rooms, an interstitial mechanical equipment floor, surgical suites, intensive care units, critical care units, and radiology, etc. The superstructure of the building is cast-in-place concrete with a fire-proofed structural steel frame. The exterior skin is primarily a heavily-jointed stucco finish with storefront framing. The roof deck plaza has “inverted roof” construction, for hospital patient occupancy.

Experience on this project as a Project Captain, employed by Anderson, DeBartolo Pan, Inc., was a powerful extension of hospital construction management experience, but this time with engineers instead of contractors.

PALOMAR MEDICAL CENTER, Escondido, California
The project consisted of five floors (with penthouse) of new hospital, construction connected to an existing five-story hospital building. Nearly all aspects of health care, including surgical suites, patient rooms, recovery rooms, intensive care units, critical care units, maternity ward, radiology suites, and business offices, etc., were represented in the new construction. Renovation and remodeling work contained similar functions, but included a major rework of the existing kitchen. The free-standing central plant building (with a new connecting underground utility tunnel) included a maintenance shop, boilers, a huge emergency generator, pumps, chillers, and associated cooling towers. The third floor of the new hospital was a mechanical floor, primarily consisting of switch gear, controllers, and air handlers. The project was designed for several more floors in the future.

This was an awesome two years of construction supervisory experience as the Assistant Superintendent, employed by Rodgers Construction International.