

December 2012

Daniel Chavez LEED AP

22 San Lorenzo Road

Veguita NM, 87062

USA

ieldancha@hotmail.com



Daniel Chavez
portfolio 2012

Daniel Chavez LEED AP
phone No. (505) 362 8713
email: ieldancha@hotmail.com



Daniel Chavez has worked in the architectural profession for over 11 years and has completed many successful projects in his home state of New Mexico as well as on global projects in Winnipeg Canada, Shanghai and Chendu China. Many of his completed projects are small scale (\$1m to \$5m) which allowed him to see these projects through from conception to completion of construction, usually acting as project manager while simultaneously designing and producing construction documents. This "all in one" history of work along with his many years working in the construction industry and as a furniture maker has given him a unique perspective as a designer. On large scale projects, Chavez has been an instrumental team member at the office of Antoine Predock, with Gensler Architecture on the Virgin Galactic Space Port competition team and with Gould-Evens Architecture on CNM Westside Phase III.

Daniel Chavez was born in Los Angeles California but as a teenager came to live on the land of his grandparents in the New Mexico desert. Here they raised cattle and grew crops along the Rio Grande River, a far cry from the urban streets of LA; It is in these contrasts that he continues to draw from in his work in architecture.

Professional experience

11/08-Present Design Plus Architects: Albuquerque NM.
02/08-11/08 Antoine Predock Architect: Albuquerque NM.
7/02-2/08 RMKM Architecture: Albuquerque NM
7/01-7/02 Fanning Bard Tatum Architects: Albuquerque NM.

Teaching

08/00-05/01 University of New Mexico School of Architecture and Planning Construction Documents Graduate Assistant
08/99-05/00 University of New Mexico School of Architecture and Planning wood shop safety instructor.

Education

2001-Master of Architecture, University of New Mexico
2000-Summer Studio in Mexico City, University of Arkansas
1992-Bachelor of Art in Architecture, University of New Mexico

Daniel Chavez
portfolio 2012

Central New Mexico Community College Westside Phase III Building

Albuquerque New Mexico
Construction Project Manager
Design Plus LLC

CNM Westside Phase III is a multi-purpose building for the new Westside campus of this quickly growing community college. Although it is the third building to be built on the campus, it is meant to be the central building of the completed master plan. Nearly complete, the 70,000 SF building will house the library, student book store, learning commons, classrooms, art and ceramics rooms, study rooms, lecture hall, computer learning room and faculty offices. The outer skin of the building is a stainless steel perforated scrim that from the exterior appears to be solidly clad, however from the interior the stainless steel scrim virtually disappears allowing ample diffused light to enter the spaces. The \$18.5 million budget was met with no overage and is projected to achieve LEED Silver certification.

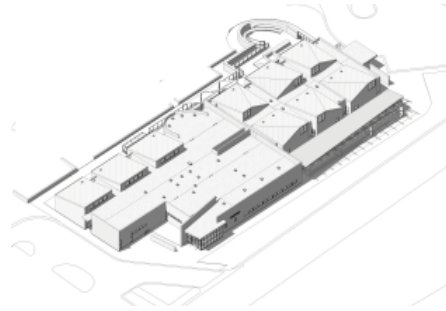


Rio Grande High School ISP Building

Albuquerque New Mexico
Project Manager, Lead Designer
Design Plus LLC

Rio Grande High School ISP/Health Building is a 28,000 SF prototype building designed to meet the special needs of the Intensive Support Program (ISP) as well as to house the School Nurse and School Based Health Clinic (SBHC). RGHS has a large population of students with special needs, including severely and profoundly disabled and autistic students.

The ISP teachers and user group asked that the building respond directly to the special needs of the students, paying particular attention to sensory sensitivities. With this in mind, the building was designed to be a teaching tool. It stimulates the sensory needs of the students by providing tactile surfaces, controllable natural lighting, programmable artificial lighting, natural ventilation, outdoor activity spaces, a dedicated sensory room that offers sensory stimulation through dynamic lighting and support structures for hanging specialized traction equipment designed to be both functional and aesthetically stimulating for students.



Daniel Chavez
portfolio 2012

Shanghai Sculptural Park Hotel

Shanghai China
Project Designer
Antoine Predock Architect

Word spread when the renowned Albuquerque Architect Antoine Predock was visiting a location in China and an entrepreneur of cemeteries asked to be introduced. He requested the architect to design an ultra-luxurious hotel in Shanghai. The task of the design team was to present a comprehensive vision in under 6 weeks.



Canadian Museum for Human Rights

Winnipeg, Manitoba Canada
Project Designer
Antoine Predock Architect

The Canadian Museum for Human Rights is rooted in humanity, making visible in the architecture the fundamental commonality of humankind—a symbolic apparition of ice, clouds and stone set in a field of sweet grass. Carved into the earth and dissolving into the sky on the Winnipeg horizon, the abstract ephemeral wings of a white dove embrace a mythic stone mountain of 450 million year old Tyndall limestone in the creation of a unifying and timeless landmark for all nations and cultures of the world.—project description by the architect.



Daniel Chavez
portfolio 2012

Spaceport America Competition

Albuquerque New Mexico
RMKM Architecture and Gensler Architects

A 100 mile long desert strip in New Mexico called the Journey of the Dead was chosen as the site for the landmark Spaceport America. The first building of it's kind in the world will be the home of visionary Sir Richard Branson's Virgin Galactic. From here space tourists will experience the thrill of space flight for a \$200,000 ticket. Surprisingly similar to the winning entry, our team envisioned an architecture that would evoke the mystery of the desert at a crossroads with the future of space travel. Concealed by a berm from the entry the visitor would enter a passage or "call to adventure", commence a training period "road of trials" experience flight "air", return to the world "water" or "oasis" and finally "enlightenment" or application of gained knowledge.

The competition finalists included Dallas-based HKS working with Antoine Predock of Albuquerque, New Mexico, and a San Francisco-based Gensler team in association with RMKM Architecture of Albuquerque and Foster and Partners in association with URS.



ROHDE MAY KELLER McNAMARA ARCHITECTURE, P.C.

10



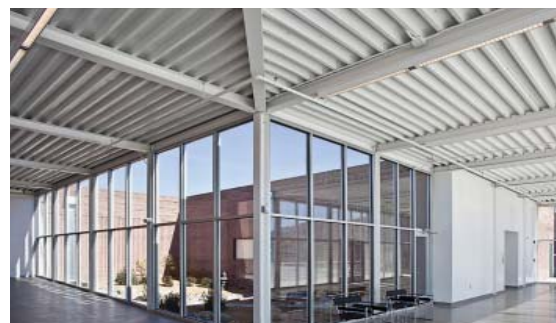
Winning entry Foster + Partners and URS

Chelwood Elementary Classroom Addition

Albuquerque New Mexico
Project Manager
RMKM Architecture

The new two-story 26,000 GSF classroom building acknowledges the architectural characteristics of the various established buildings on campus, and acts as the unifying element to form a cohesive campus providing a new iconic presence for Chelwood Elementary School and Albuquerque Public Schools within the Chelwood Park Neighborhood. The new facilities are models of environmental responsibility and energy efficiency.

The campus design maintains and improves upon the original indoor-outdoor concepts with several new outdoor classrooms, amphitheater, walking paths, plazas, and activity areas. All of the new Master Plan improvements and new facilities work together in order to offer the users self guided clarity including a prominent new Main Entrance Lobby, expanded Public Parking, and boldly defined accessible Pedestrian systems.



Ruidoso Main Fire Station

Ruidoso New Mexico
Project Manager
RMKM Architecture

The new main fire station for Ruidoso was long awaited as the densely forested area is susceptible to fire dangers. The Village selected a challenging site that was relatively narrow, pushed up against a steep hill that would have to be retained. The \$3,800,000.00, 14,500SF fire station is a hardily constructed steel superstructure with metal frame in fill over a 14' concrete retaining wall foundation system. Retaining walls and exposed concrete are integral to the building's architecture. Earth and concrete work were significant to handling the project's site constraints. The design attempts to engage the natural topography, and though the steep slope had to be cut and retained, fill requirements elsewhere in the site design resulted in a balanced solution.



Bosque farms Municipal Complex

Bosque Farms, New Mexico

Project Manager

RMKM Architecture

The Bosque Farms Fire/Police Station is located in a small agricultural area that was in need of a modern facility to respond to its growing needs. The architecture of the 8500 SF fire station reflects the vernacular of large barns and utility buildings of the farming community. The challenge was to achieve a value-based balance between quantity, quality and cost. The existing site was studied to identify valuable attributes to be preserved, while other undesirable characteristics were evaluated for elimination. "Center" public gathering places such as main streets, plazas, and town squares were considered as organizing elements, about which the needed facilities (existing City Hall, Library and Municipal Court; and New Police Station and Fire Station) and site amenities (Little League baseball, park, picnic areas, and tennis) could be ordered. With the new public court yard and plaza as organizers the process became a classic study of the interdependence between "positive" and "negative" space.

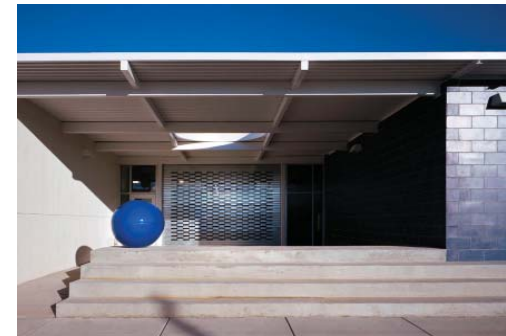


Daniel Chavez
portfolio 2012

Matheson Park Elementary School Classroom Addition

Albuquerque, New Mexico
RMKM Architecture

APS Matheson Park Elementary School campus is situated adjacent to a City of Albuquerque park in an established 1960s low-mid income neighborhood in Albuquerque's Northeast Heights. With the campus consisting primarily of portable units, the community and staff had long awaited a building addition that would provide the campus with its first permanent classrooms and help to define and enhance the school as a whole.



64th WMD CST Ready Building

Rio Rancho, New Mexico

Project Manager

RMKM Architecture

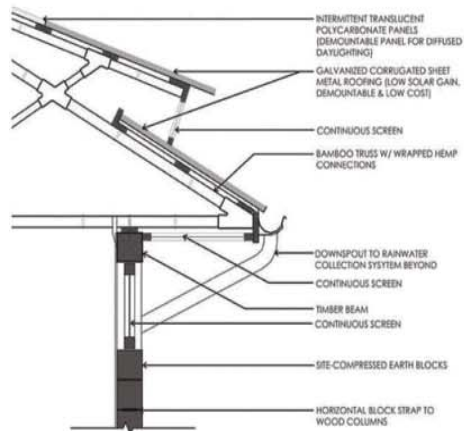
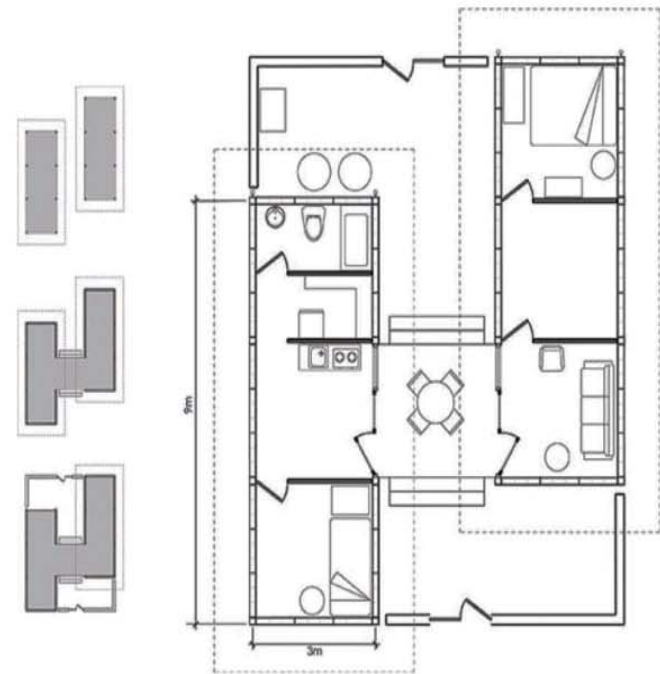
The 64th Weapons of Mass Destruction Civil Support Team Facility is a specialized facility for a unit of the New Mexico National Guard equipped to respond to a chemical, terrorist or otherwise catastrophic events in a 300-mile radius of the facility.



Ghana Prototype House

Accra Ghana
Daniel Chavez and Nathan Smith
project team

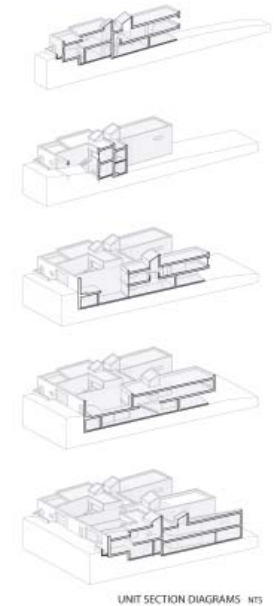
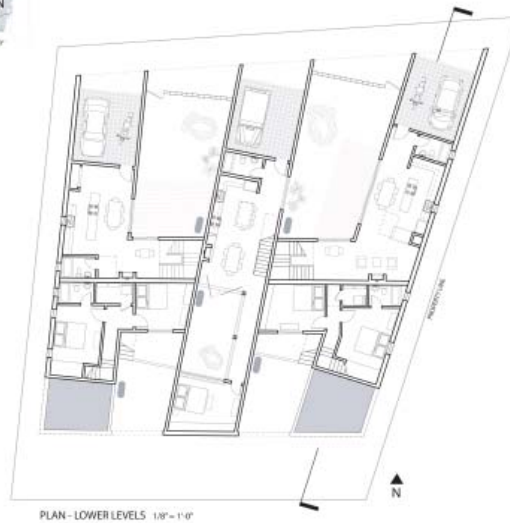
This single-family prototype was a competition entry for sustainable housing in Accra, Ghana. This design concentrated on construction phasing, self-build techniques utilizing locally sources materials (compressed earth block and bamboo trusses) and a dynamic planning strategy that extended the home footprint into the outdoors.



635 Alto

Santa Fe, New Mexico
Daniel Chavez and Nathan Smith
project team

This 5-unit housing project was proposed for the Santa Fe Greenworks competition for a neighborhood just a few minutes walk from the historic plaza. Focusing on locally sourced materials and passive green technologies, the design sought a critical connection to New Mexican building traditions while acting as a reinterpretation of the courtyard prototype.



635 ALTO

The 635 ALTO proposal offers a direct approach to sustainable building in this historic Santa Fe neighborhood using natural materials of this site and simple passive water technology. The planning concept begins with a direct transformation of the historic courtyard prototype, occupying the entire building site in order to liberate the interior, allowing each unit a direct connection to the outdoors through the private courtyard space. Materials and simple green technologies combine to create flexible, light-filled spaces designed to optimize the use of Santa Fe's unique and free outdoor. Reinforced earth walls form the primary structural system and define the boundaries of each unit. These walls act as thermal masses to moderate the inside temperatures year-round. Sun towers spring from each roof to admit light, release excess heat, and heat water through direct water gain to send to the building's direct flow hot water systems and radiant floor heating.

FURNITURE



Furniture design and making is an on-going interest, related to architecture in that each piece is specific to it's physical nature and function, each presenting it's own challenge of connection, proportion and technical difficulty. Unlike buildings which can take many years to be realized, furniture allows a relatively quick experimentation of a design process.

Daniel Chavez
portfolio 2012

WORK SHOPS



Personal Studio and Workshop Vegueta, New Mexico

As most of us in the architecture profession have been affected by the economic down turn, I have taken the opportunity to increase my furniture making business by expanding to other areas of fabrication using steel, plastic, concrete and baltic birch plywood. I began building a 1000 SF workshop and studio on our property in March 2011 as the projects I was undertaking were becoming too large for my current 200 SF workshop. The building is divided into two spaces, the smaller space will be dedicated to a studio space for architectural assignments and the remaining for fabrication.



Daniel Chavez
portfolio 2012

woodshop/studio in albuquerque nm

as a furniture maker i lacked a place to work after we bought a house in the suburbs of albuquerque. as all my projects have tight budgets i began collecting materials as salvaged or inexpensive off the shelf items in the spring of 2005. just over a year later, working only weekends and mostly alone i was able to complete the 336 sf project for about \$20sf.

inexpensive cedar fencing lumber for mansard awning.

sample operable window from our office sample room, given to me during clean-up

drop off pieces of pine t&g for siding and flooring slated for landfill.

miss-measured new window given to me, slope of roof based on slope of window.

aluminum storefront clerestory windows bartered for producing a demo cd for the owner of commercial storefront.

inexpensive u-panel for roof and 3 sides of building

inexpensive sanded plywood for woodshop floor

slick finish drywall, fully insulated



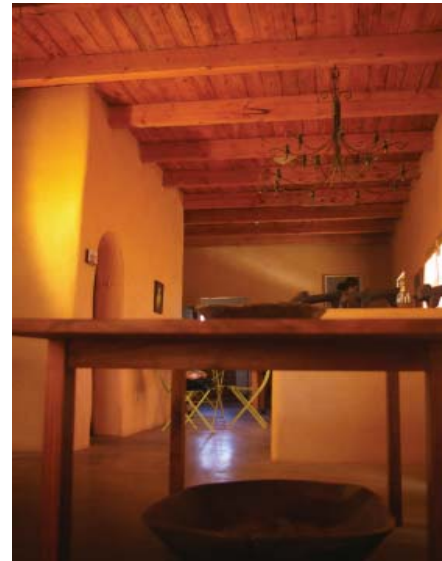
Adobe House

Veguita, New Mexico

After completing undergraduate school in architecture in my early twenties, I convinced my parents to let me build an adobe house on their property. Although school taught design, I had no idea how to build, naive and undaunted by the task at hand I was able to gain a skill in building that continues to enhance my career in architecture.



21



Personal Kitchen Remodel

Albuquerque, New Mexico

When my wife and I purchased our first home together in 2003, a typical house in the suburbs of Albuquerque, we quickly assessed areas that needed improvement. Using "sweat equity" and credit cards we were able to accomplish our goals. The newly completed 336 SF workshop provided a place to construct the cabinets and concrete counter tops.



Camp Sustainable Art Installation

Santa Fe, New Mexico

Daniel Chavez and Karole Mazeika

The Forest Portal was a two day art installation for Camp Sustainable. As we become overwhelmed by the enormity of the city, we retreat to nature. As the enormity of nature can also be perceived as overwhelming, the portal allowed the security of a man-made structure in an unlikely place, built to human scale offering respite and human comfort. We placed a fixed aluminum chair to a shiny aluminum floor that reflected the forest above through the slats of the structure. On the floor we placed a short story printed on cotton as an invitation for passers by on the trail to sit and read the story in the hopes that the stop would offer the rest needed to continue the journey.



Steel and Concrete Yard Wall

Albuquerque, New Mexico

A client who felt her front yard was unusable desired a 6 foot wall on her corner lot for privacy and flood control. Discouraged by the news that she would have to apply for a variance to extend higher than the allowed 3 foot tall wall, my task beyond design and fabrication of the wall was to ease her through the planning department's frustrating process.





In this series of paintings bunker-like artifacts of architecture sit quietly and uninhabited in an undetermined and still setting, doorways and staircases suggest a former dweller.

Daniel Chavez
portfolio 2012

PAINTINGS



Daniel Chavez
portfolio 2012

PAINTINGS



Daniel Chavez
portfolio 2012

PAINTINGS



CNM Continuing Education

Albuquerque New Mexico
Painting

In 2009 I found opportunity to take classes at Central New Mexico Community College. Having been in the architectural profession for the last nine years, I found it wonderfully refreshing to be a student again. I took courses of interest such as painting, life drawing, welding and Revit (Building Information Modeling)



Daniel Chavez
portfolio 2012

DRAWINGS



CNM Continuing Education

Albuquerque New Mexico

Life Drawing

Instructor Mary Bates-Ulibarri

Eventually focusing on live models, the course began with skeletal still drawings exploring anatomical proportion and accurateness. The drawings represented here are 30 second, 1 minute, 10 and 30 minute poses. The exercises soon conditioned the students to represent quickly on paper while keeping their attention predominantly on the figure.

Daniel Chavez

portfolio 2012

Mexico Summer Studio

University of Arkansas

Professor Marlon Blackwell

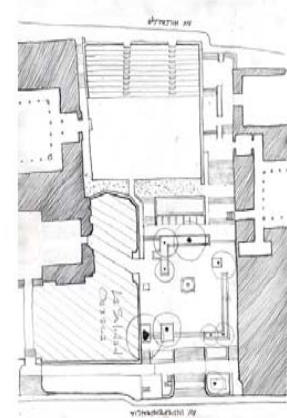
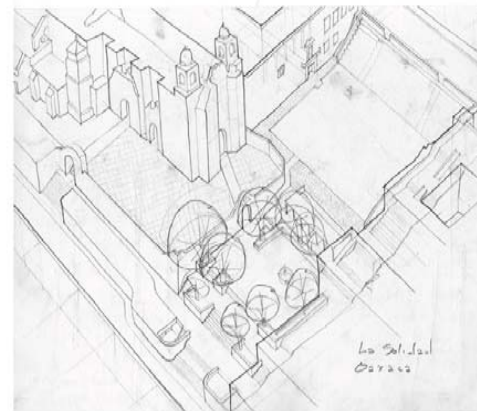
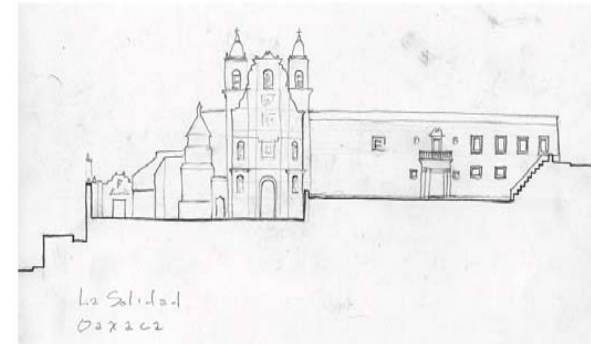
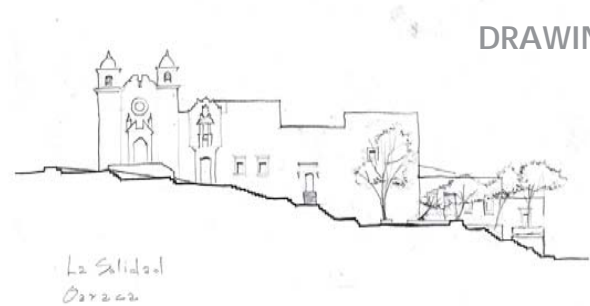
Arquitecto Fernando Vasconcelos

The following pages are excerpts from a nine week travel studio divided into three areas of concentration: two week Southern Mexico sketch and plaza analysis tour, a five week studio project in Mexico City and a two week Northern Mexico sketch and plaza analysis tour. The assignments for any given day of the two week long Southern and Northern trips were a mixture of landscape sketching, documentation of architectural details in watercolor and in photography, controlled line drawings and bird's eye vista paintings of colonial cities from a hilltop vantage.

The five week Mexico City Studio was held in the auxiliary studio of Luis Barragan at the Casa Barragan Museo. The students were assigned host families and used the extensive public transit system to get to studio.

Mexico City suffered a damaging earthquake in 1985 and the result to the historical zone was a missing teeth effect of abutting buildings, some with minor damaged and others completely gone. The assignment was to in fill a given site with contemporary architecture meaningful to stand alongside surviving historical buildings. The context of Mexico City historical zone is one of layers, of conquest and destruction and of rebuilding, consequently the prevailing attitude towards a contemporary solution in the historical zone is not only encouraged but expected.

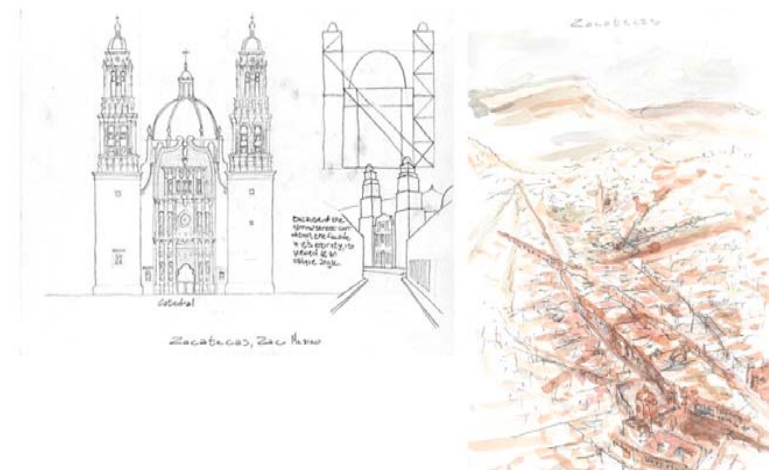
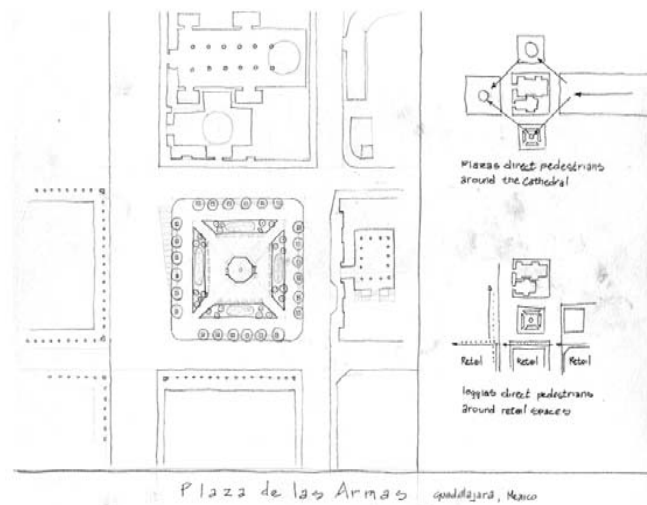
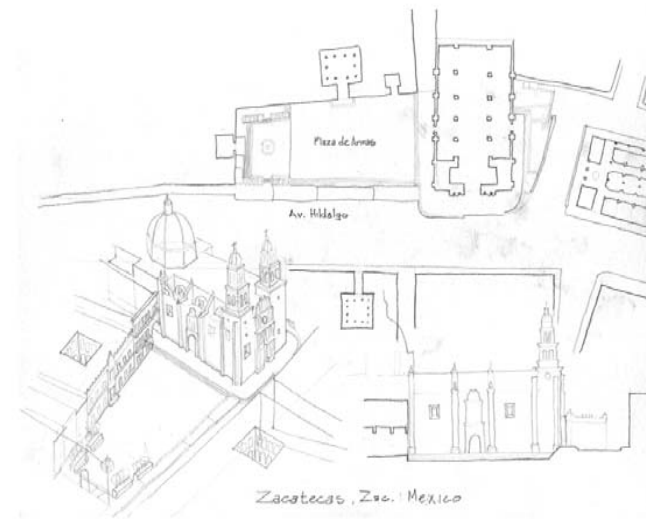
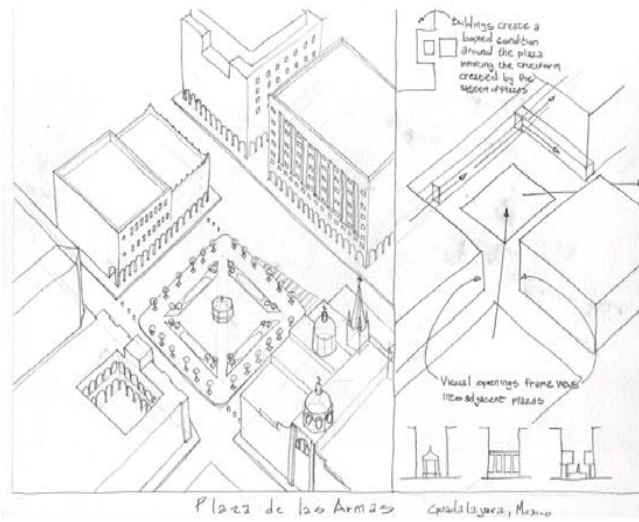
DRAWINGS



Oaxaca, Oax. Mexico

Daniel Chavez
portfolio 2012

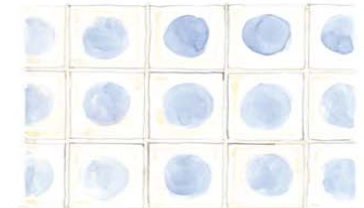
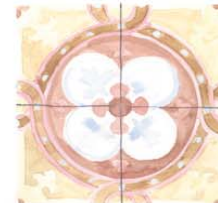
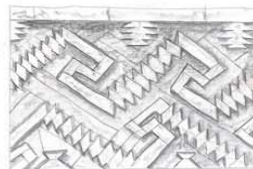
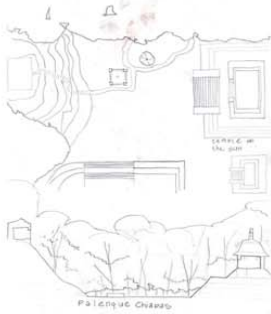
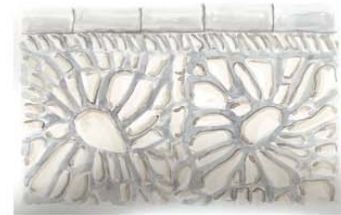
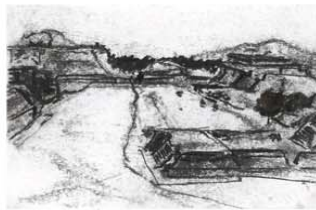
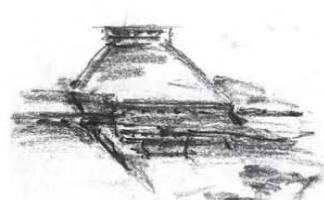
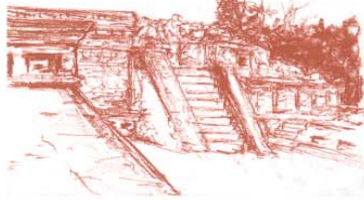
DRAWINGS



Guadalajara, Jal. Mexico

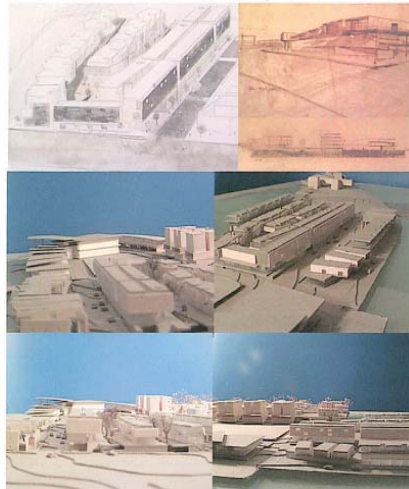
Zacatecas, Zac. Mexico

DRAWINGS

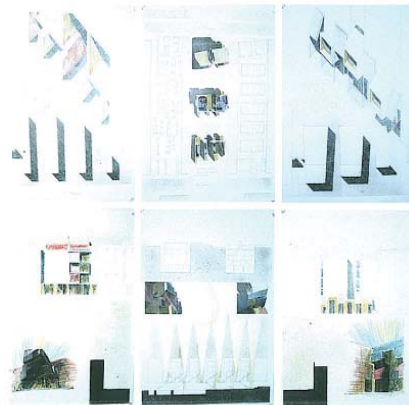




Graduate Studio Work



urban studio



Mexico City exchange



history/theory
studio

Daniel Chavez Resume 2001

Masters Project



Daniel Chavez Resume 2001