

# An Introduction to **LITURGICAL ENVIRONS PC**



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LITURGICAL ENVIRONS, PC ◇ 9402 South 47th Place ◇ Phoenix AZ 85044  
T. 480.783.8787 ◇ [steve@liturgicalenvirons.com](mailto:steve@liturgicalenvirons.com) ◇ [www.liturgicalenvirons.com](http://www.liturgicalenvirons.com)



We at LITURGICAL ENVIRONS PC are honored  
for your interest in our services.

For 25 years I have been focusing my  
architectural intuitions and efforts in working  
toward the recovery of an authentic Catholic  
architecture: one that both serves the body  
functionally and nourishes the soul with beauty  
and meaning; an architecture that respects our  
sacramental sensibilities as Catholics with  
buildings that seek to express the Body of  
Christ, the Temple of the Holy Spirit, and the  
Heavenly Jerusalem; churches that speak to our  
Catholic architectural patrimony, and above all  
churches that are dignified and befitting the  
Holy Mass.

Our present efforts in building or remodeling a  
Catholic church should strive toward the very  
best use of the community's resources. We are  
always working to meet a present need, but as  
the history of Catholic architecture shows, we  
are always building for the future generation:  
our children and grandchildren who will be  
baptized and married and buried, and most of  
all who will encounter Christ in these sacred  
buildings.

We look forward to discussing with you how  
best to achieve these goals and your vision.

-Steven J Schloeder, PhD AIA



## What LITURGICAL ENVIRONS PC offers

### Professional Expertise with Dedicated Specialization

With advanced academic degrees in both architecture and theology, Dr. Steven Schloeder, AIA, founder of LITURGICAL ENVIRONS PC, is unique in his expertise: bringing both international state-of-the-art architectural experience and a deep understanding of the traditions of Catholic church architecture to the project. His published buildings and writings have won international recognition and acclaim, while his book *Architecture in Communion* broke new ground in understanding how Catholic churches ought to be built. The goal is a building that simultaneously respects the deep traditions of Catholic building, the authentic vision of the Second Vatican Council, and the advantages of contemporary building systems paired against the realities of contemporary budgets.



### Expert Guidance and Completely Involved

Both as Design Architect and as Liturgical Designer, Steven Schloeder is committed to working closely with the parish and diocesan officials and the architectural design team to achieve a thoroughly successful and integrated project. LITURGICAL ENVIRONS PC can provide diocesan catechesis and parish based educational programs; liturgical design of the major furnishings; iconographic themeing and sacred art integration; advice and a strong network of relationships for audio, music, organ, lighting, and fine arts; and assistance in planning the dedication ceremony.

### Cost Effective and Efficient

By combining liturgical expertise with proven architectural solutions, LITURGICAL ENVIRONS PC is able to provide excellent value for the investment. Steven Schloeder takes a strongly relational and hands-on approach to design and parish involvement. Using state of the art 3D design and BIM software (Revit, Sketchup, AutoCad) and a variety of presentation techniques, we are able to bring forth designs that are workable, beautiful, in budget, and timely. Whether working as the prime architect of record, or serving as design architect

or liturgical designer in close collaboration with a local firm, LITURGICAL ENVIRONS always seeks to optimize the project value to the needs of the parish community, both in terms of liturgical and artistic merit, as well as in careful budget containment.

Since LITURGICAL ENVIRONS PC integrates the liturgical and architectural design processes from the beginning, we are able to arrive much more efficiently and economically at more satisfactory design and building solutions. A successful church project demands optimizing resources so that the parish's funds are responsibly used. At each stage of design and planning, our goal is to help your parish community achieve a church truly worthy of the Holy Mass and our Catholic faith.

We are called to building churches that are "signs and symbols of the heavenly realities" (*General Instruction of the Roman Missal*). Regardless of budget, we should always strive for a truly sacred place in which we worship and build relationships.

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## Summary:

Dr. Steven Schloeder, AIA, is the founder and principal architect of LITURGICAL ENVIRONS PC.

Steven is both an architect and a theologian, holding advanced degrees in architecture and the doctorate in theology with an emphasis in liturgy, sacraments, architectural theory and art history.

His specialized focus is on Catholic church building, both historically and symbolically as well as professionally and practically. Steven has been a leader in the recovery of authentic Catholic architecture through both his built projects and his writings, notably his book *Architecture in Communion* (San Francisco: Ignatius Press 1998) as well many other articles in popular and academic journals.

His goal in all projects is to seek architectural and liturgical solutions that respect the past in the language, meaning, and cultural memory of Catholic churches, that fully meet the needs of the community's present budgets and utilize the best in contemporary architectural technology, and thus help ensure lasting value for the future generations of Catholics that will worship in these sacred buildings.



## STATEMENT OF QUALIFICATIONS

### Basic Information:

Firm name: LITURGICAL ENVIRONS PC  
Principal: Steven Schloeder, Ph.D., AIA, NCARB.  
Address: 9402 South 47<sup>th</sup> Place  
Phoenix AZ 85044  
  
Telephone: 480.783.8787  
  
E.mail: steve@liturgicalenvirons.com  
Web site: www.liturgicalenvirons.com  
  
Organization: Professional Corporation (State of Arizona)

### General Statement of Qualifications:

**Dr. Steven Schloeder**, AIA, NCARB, is a registered Architect who works nationally on Catholic church projects. With advanced degrees in both theology and architecture, he specializes academically in the design, history and theory of Catholic church architecture. Dr. Schloeder is the author of the popular book, "*Architecture in Communion: Implementing the Second Vatican Council through Liturgy and Architecture*" (San Francisco: Ignatius Press, 1998), along with many other articles on issues of Catholic church architecture, theology, and architectural philosophy in both academic journals and popular magazines.

**LITURGICAL ENVIRONS PC** was created specifically to serve the building needs of Catholic parishes and dioceses across the country. Serving both the Eastern and Latin rites LITURGICAL ENVIRONS brings an unparalleled depth of knowledge, insight and design sensitivity to help the local community build a facility that not only serves the individual needs, but helps them to find their sense of place in the universal Church. By bringing together a broad background in architecture and master planning with a specialization in the theology, history, and symbolism of Catholic liturgy and sacred architecture, **LITURGICAL ENVIRONS PC** offers a comprehensive and integrated vision and implementation for both new and remodel church projects.

### Registration Status

1987 **Registered Architect** - #21384  
State of Arizona  
  
1997 **NCARB** - #48444  
  
1997 **Registered Architect** - #3897  
State of Oklahoma (not current)  
  
2013 **Registered Architect** - #34044  
State of California

### Professional Affiliations

American Institute of Architects  
National Council of Architectural Registration Boards  
Adoremus – *Society for the Renewal of the Sacred Liturgy*  
Fellowship of Catholic Scholars  
Institute for Studies in Sacred Architecture - *Director*  
Society for Catholic Liturgy  
Santa Fe institute for Faith and Culture - *Fellow*



## Education

- 2003 Doctor of Theology (Liturgy and Arts)  
Graduate Theological Union – Berkeley CA
- 1998 Master in Architecture  
University of Bath – Bath UK
- 1984 Bachelor of Architecture – *cum laude*  
Arizona State University – Tempe AZ

## Partial List of Representative Projects

**Our Lady of Grace Catholic Church, Maricopa AZ.** Architect of record for new 500 seat parish church and administration/social hall building on new 5 acre greenfield site; programming, liturgical design, schematic design, consultant coordination, design development and contract documents. Project scheduled for ground breaking in Summer 2013.

**Our Lady of Grace Planned Area Development, Maricopa AZ.** Master planning and rezoning of 35 acre site to Planned Area Development for new mixed-use project with church, school, single-family, multi-family, commercial office and retail. Successfully implement new vision for a “sustainable neighborhood” incorporating best practice principles of Form-Based Code, Smart Growth, and New Urbanism with rezoning package approved by City of Maricopa City Council in March 2012.

**\*Our Savior Catholic Center, University of Southern California** (in association with ELKUS MANFREDI ARCHITECTS and PERKOWITZ + RUTH) Liturgical design, schematic design assistance, and sacred art coordination for the new \$6 million, 400 seat collegiate chapel to serve the Catholic population at USC. Church consecrated on 9 December 2012 by His Excellency Jose H. Gomez, Archbishop of Los Angeles.

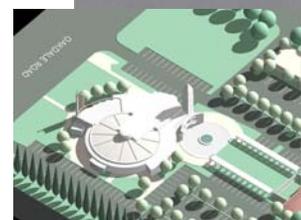
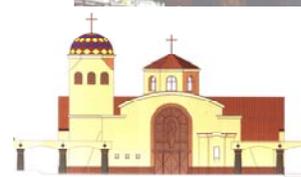
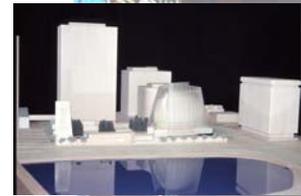
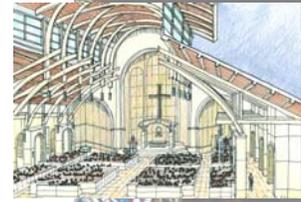
**\*St. Clare Catholic Church, Surprise AZ** (in association with CCBG ARCHITECTS) Liturgical design and architectural interior coordination for the new 2000 seat parish church. Design of all major liturgical furniture, coordination of iconography and sacred arts (stained glass, mosaic, fresco, statuary, etc.). Church consecrated on 11 April 2010 by His Excellency Thomas J. Olmsted, Bishop of Phoenix.

**\*Sts. Anne and Joachim Catholic Church** (in association with ZERR BERG ARCHITECTS) Conceptual and Schematic Design, and Liturgical Design of the new 1200 seat, \$8.5 million church. Church consecrated on 11 February 2010 by His Excellency Samuel J. Aquila, Bishop of Fargo.

**\*Cathedral of St. Mary, Fargo ND** (in association with ZERR BERG ARCHITECTS) Liturgical design and remodel of historical 1890s era Cathedral: new tabernacle altar, ambo, cathedra canopy, and enlarged sanctuary platform, with upgraded lighting.

**\*St. Paul Catholic Church, Pensacola FL** (in association with BULLOCK-TICE ARCHITECTS) Coordinated architectural competition and trained entrants in the theory and design of Catholic churches. Aided in selection, and worked with winning firm to develop the design and integrate the liturgical and sacred art aspects. Church consecrated on 24 August 2008 by His Excellency John H. Ricard, Bishop of Tallahassee-Pensacola.

**St. Therese’s R.C. Church, Collinsville Oklahoma.** Full liturgical and architectural design services for a new, freestanding, 360-seat parish church. Total cost \$1,300,000. Church consecrated on Feast of St Therese, Jubilee Year 2000 by His Excellency Gabriel Montalvo Higuera, Papal Nuncio to the United States..



### Partial List of Publications

*Understanding a Church: What do you see and what does it mean?* Living the Liturgy Series, London: Catholic Truth Society, 2014.

*Catholic Architecture*. Deeper Christianity Series, London: Catholic Truth Society, 2013.

"The Myth of the *Domus Ecclesiae*" in *Sacred Architecture*, Issue 21 (2012): 12-15; also published in *The Adoremus Bulletin*, Vol. XVIII, No. 5 (August 2012): 5-7.

"*Per Lumina Vera ad Verum Lumen: The Anagogical Intention of Abbot Suger*" in *ΣΙΜΜΕΙΚΤΑ: Collection of Works – 40th Anniversary of the Institute for Art History*, ed. Ivan Stevović, University of Belgrade, Serbia, 2012: 143-156; with Serbian translation following.

"Religion and Modernism" book review of *The Religious Imagination in Modern and Contemporary Architecture: A Reader*, edited by Renata Hedjuk and Jim Williamson, in *Faith & Form*, Vol. XLV, No. 1 (2012): 33.

"*Rudolf Schwarz e la sua ricezione negli Stati Uniti*" in *Il Covile* No. 636 (22 Marzo 2011): 7-16.

"Rudolf Schwarz and His Reception in America" in *Das Münster* (1/2011): 47-52.

"Oh Ancient Beauty Ever New: Thinking about Sacramental Architecture" in *The Official Catholic Directory*, Berkeley Heights, NJ: P.J. Kenedy & Sons, 2010.

"Heaven Wedded to Earth" in *Ministry and Liturgy*, 34.4 (2007): 8-11, 31-34.

*L'architettura del Corpo Mistico: Progettare per il culto second il Concilio Vaticano II*. Palermo: Casa L'Epos Editrice 2005. Italian edition of *Architecture in Communion*.

"Sacred Architecture and the Christian Imagination" in *The Catholic Imagination: Proceedings Of The 24th Annual Convention Of The Fellowship Of Catholic Scholars*. Kenneth D. Whitehead, ed. South Bend, IN: Saint Augustine's Press, 2003: 74-96.

"Sacramental Architecture: Body, Temple, City" in *Faith and Form*, 36.3 (2003): 7-10.

*The Church of the Year 2000: A Dialogue on Catholic Church Architecture for the Third Millennium*. Ph.D. Dissertation. Berkeley CA: Graduate Theological Union, 2003.

"Recovery of the Symbolic" in *Jacques Maritain and the Many Ways of Knowing*. Douglas A. Ollivant, ed. Washington DC: The Catholic University of America Press, 2002: 303-314.

"From Mission to Mishmash: How Modernism Has Failed Sacred Architecture" in *Nexus, A Journal of Opinion*, 6.1 (Spring 2001): 67-74.

"*Plany odnowy reformy: nowe spojrzenie na architekturę kościelną*" ("Plans for the renewal of the reform: New view on the Architecture of the Church") in *Christianitas*, 6 [Poland] 2000.

"Back to the Drawing Board: Rethinking Church Architecture", *Crisis* (February 2000): 33-38.

"Chiesa di S. Teresa" in *Reconquistare lo spazio sacro*. Cristiano Rosponi, ed. Roma: Editrice Il Bosco e La Nava 1999: 129.

"Our Lady of the Angels: An Architectural Review" in *Catholic World Report* (Dec. 1998).

*Architecture in Communion: Implementing the Second Vatican Council through Liturgy and Architecture*. San Francisco: Ignatius Press, 1998.

"A Return to Humane Architecture" in *Intercollegiate Review* 34.1 (Fall 1998).

"Building Paradise for *Homo Modernus*" book review of *Living Machines* by E. Michael Jones, in *Catholic World Report* (Oct 1995).

"What Happened to Church Architecture?" in *Catholic World Report* (Mar 1995): 27-38.



## From Idea to Reality



Throughout the design process we use 3-D computer modeling both to work out design details and to keep a constant flow of information with the client and consultants regarding the state of the design.

These tools also are of great benefit in the capital campaign program to help generate donor support for funding.



*Top: Computer model and final installation of the baptistery , Saint Clare of Assisi, Surprise AZ*

*Bottom: Computer model and final installation of the sanctuary remodel for the Cathedral of Saint Mary, Fargo ND*





In designing or remodeling a Catholic church, there are three main phases to be considered — Programming, Design, and Implementation — each with several smaller steps. **LITURGICAL ENVIRONS PC** has a proven track record and developed expertise in all three areas, and is able to deliver an integrated and comprehensive method and solution to the architectural and liturgical needs of your parish.

## (I) Programming / Liturgical Design Process

The first phase in the process of designing a new or remodel church is to determine the community's needs and to build consensus for what type of church is to be built. What building will best respond to the physical, spiritual, devotional, and economic needs of this community? The answers are arrived at through a three step process:

- a. **Needs assessment** (usage, budget, time schedule, resources, etc.)
- b. **Parish visioning**
  - i. **Education / Community Involvement:** Parish wide educational seminars to inform about liturgy, Catholic architecture, Vatican II, parish life, and how it all comes together in the work of building a new church building.
  - ii. **Surveying:** a multi-dimensional approach incorporating Qualitative and Quantitative, Expressive, Symbolic, and Inquisitive components which is helpful for building consensus, identifying unspoken concerns, and helping the parish members to engage emotionally in the process.
  - iii. **Workshops:** Strategic planning sessions with key members of the parish community, representatives of the various ministries and task groups, and interested parishioners, to identify vital Goals, Facts, Concepts and Needs regarding the Function, Form, Economy and Timeframe of this project.
- c. **Architectural Programming:** The compilation of all the information gathered above into a Program document which becomes the basis for the Schematic Design Phase.

The typical deliverable at the completion of Phase I Programming is a written statement of the Architectural Program, incorporating the Needs, Goals, Facts, and Concepts ascertained from the Needs Assessment, Survey, and Workshops.



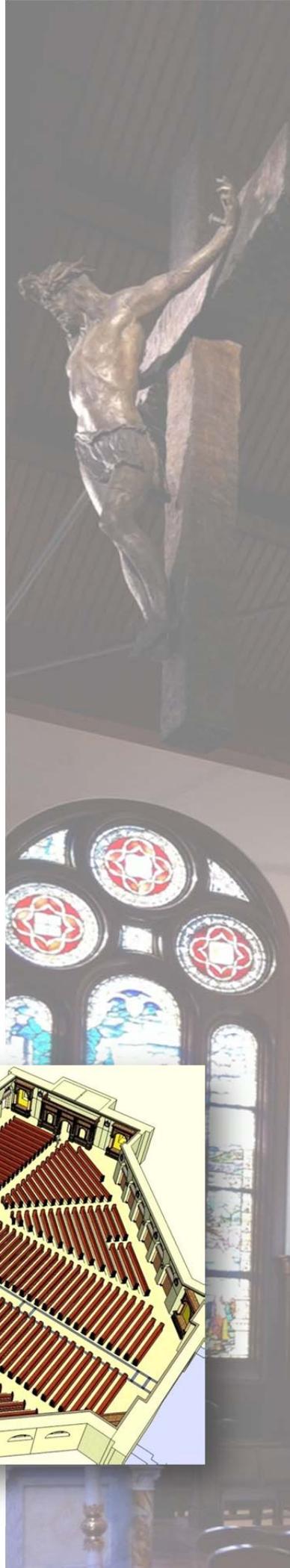
## (2) Schematic Design and Design Development

The second phase is to develop an architectural solution to the requirements of the Architectural Program Statement. The first step is typically a Land-use analysis, which leads to the Conceptual Site Design. Once the best site and orientation for the new church is established, the church is designed schematically to indicate plans, sections, elevations, major materials, and overall aesthetics for the purposes of preliminary budgeting, community awareness, and fundraising efforts.

- a. **Land Use Analysis** – Study of relevant zoning codes, setbacks and easements, functional adjacencies, parking requirements, topography, retention requirements, etc. to determine highest and best use of land for master planning.
- b. **Conceptual Site Design**
  - i. Ingress and egress; parking; circulation; fields and gardens, plazas, etc.
  - ii. Massing and volumes for ancillary functions (education, administration, social, etc.)
- c. **Schematic Design of Church and Ancillary Buildings**
  - i. Developed floor plans, elevations, sections and perspectives
  - ii. Overall character development of liturgical space and design of liturgical furnishings (altar, ambo, chair, tabernacle, font, etc.)
  - iii. Integrating iconographic themes
  - iv. Sacred art planning and coordination; initial budgeting for the arts, liturgical furnishings and stained glass
- d. **Design development** – The Design Development phase is intended to carefully work through the major architectural and engineering systems, and to select materials and integrate the various components, both for the purposes of budgeting and to prepare for the Construction Document phase, as well as to provide better understanding to the client of the project design direction.

The typical deliverables at the completion of Schematic Design and Design Development are a series of drawings and outline specifications, architectural renderings, and possibly computer models and/or built scale models (to be determined), that satisfy the requirements of the Architectural Program.

The drawings and models produced are intended for promoting community support, fundraising, and preliminary cost estimating, as well as diocesan approvals and preliminary discussions with City planning officials.



### (3) Implementation:

The third step in the architecture process is the implementation of the Design Solution. This includes the translation of the building design into Architectural Working Drawings (the “blueprints”) and Project Specifications that serve as the contractual basis for agreement between the Parish and the General Contractor.

The steps for this phase are typically:

- a. **Construction Documentation**
- b. **Bidding / Award**
- c. **Contract Administration**
- d. **Consecration Ceremony**

### (4) Other Services

**LITURGICAL ENVIRONS PC** offers a wide range of services, and can work with your already selected architect, can help with architect selection, or can provide a full service architectural contract, depending on the needs of your community. In addition, we can provide:

- Architectural programming
- Master planning and site selection
- Architectural design competition coordination
- Architectural renderings
- Capital campaign graphics
- Architectural site and building models
- Landscape design
- Lighting consultant and Audio consultant coordination
- Additional parish educational programs
- 3-D Computer generated design presentations
  - massing studies
  - fly-through models, etc.)
- 3-D Printing of architectural models
  - design studies
  - presentations
- Sacred art coordination
  - iconographic theming
  - artist selection process
- Reused and renovated church goods:
  - stained glass
  - statuary
  - sacred art
  - Stations of the Cross
  - liturgical furnishings



# The Crossing: A Planned Area Development



Above: *The Crossing:*  
A planned area development for  
Our Lady of Grace Catholic Church  
Maricopa AZ

During the downturn in the real estate market, the Catholic parish of Our Lady of Grace acquired 38 acres of land from a struggling Home Owner's Association in central Maricopa. The location and access were ideal for a large church and parish school, and opened up an interesting possibility for future development opportunities.

Working closely with the pastor, diocese, pastoral and finance council, and the City Planning and Zoning Board and City Council, we proposed an innovative approach to land use that could provide the parish with all necessary social mission services, create a strong sense of parish identification, create a walkable neighborhood to serve both the parish and the larger community, and provide a perpetual revenue stream to the parish to meet the financial obligations of the parish, the school, and the Church's social mission.

After careful study of the City's zoning code, we abandoned the existing single family residential zoning district, along with all the road and public easements, and implemented a "Planned Area Development" (PAD) with several zoning districts to address the wide range of needs that life requires.

The underlying idea of the PAD is *"to encourage imaginative and innovative planning of neighborhoods, particularly with respect to diversification in the use of the land and flexibility in site design"* and *"innovation in residential development that results in the availability of a variety of housing opportunities, both in terms of affordability and lifestyle to all."*

The PAD model aligns directly with the interest of the parish to provide for a vital and vibrant village-scaled development that incorporates various types of housing, local work places, businesses and shopping, education and religious facilities, and significant outdoor social spaces that serve both the immediate parish community and the larger City of Maricopa.

The PAD District structure optimizes both the City's interest in coordinating future development by setting guidelines and restrictions for future development, as well as the Owner's interest in developing the property to the highest and best use.



Client: Our Lady of Grace  
Catholic Church  
Pastor: Fr. Marcos Velasquez  
Architect: Steven J Schloeder AIA PhD

To balance the land use and to both optimize the parish's potential opportunity and reduce their financial exposure, we retained the underlying Single Family (CR-3) district zoning model across the site, while designating other areas for higher uses such as multifamily (CR-5) and General Business (CB-2). We also stipulated that all the land could be developed for the specific church, school and other civic functions (TR-PAD) or designated as open space (OPEN).

This ensures the parish's interests are always protected and maximized since all the land can be designated at a minimum for either parish use or as single family that could be sold off on a per lot basis.

The heart of the development will be the parish itself, which will house a 1500 seat church (beginning with a first phase 500 seat church); a 6,000 SF administration, classroom, and social hall; a rectory; a 10,000 SF youth and community center; and 4,000 SF of store front retail for outreach services such as crisis pregnancy and adoption, food and job bank, books store, and the like.

The large church plaza is an important social space connecting the parish to the street.

### Land Use and Lot Statistical Tables

APPROXIMATE LAND AREA USE	SF	AC	%	DU/AC	Max DU
CR-3 Single Residence PAD	178,667	4.10	11.0%	12-20	66
CR-5 Multiple Residence PAD	162,015	3.72	9.9%	20-32	119
CB-2 General Business PAD	370,612	8.51	22.7%	20-32	272
TR Transitional PAD	429,931	9.87	26.4%	-	-
Open Space	248,333	5.70	15.2%	-	-
Private Accessways, etc.	240,005	5.51	14.7%	-	-
<b>TOTALS</b>	<b>1,629,563</b>	<b>37.41</b>	<b>100%</b>	<b>12.25</b>	<b>457</b>

SITE DATE	
PARCEL :	Glennville 17 (Parcel #512-42-717 and 512-42-718)
GROSS AREA:	1,629,563 SF (+/-)
NET AREA:	1,389,558 SF (+/-)
OPEN SPACE :	248,333 / 1629,563 = 15.24% <span style="float:right">Note: &gt;15%</span>

IMPERVIOUS SURFACES (approx. SF based on probable/maximum coverage values)	
Roofs	275,000
Paved Roads	156,000
Parking Lots	275,000
<b>TOTAL</b>	<b>866,000</b>

IMPERVIOUS SURFACE RATIO	
866,000 / 1,629,463 = 49.46%	<span style="float:right">Note: &gt;50%</span>

Note: Sidewalks not part of ISR calculation; sidewalks and low use parking spaces may be detailed with ADA compliant permeable surface materials where applicable.  
 Note: All roof surfaces where economically feasible and sustainable are intended to be detailed with water harvesting technology.

Our Lady of Grace Planned Area Development P&Z 11-01 Maricopa Arizona



To create meaningful and enjoyable public spaces, we adopted the principles of "Form Based Codes", which treat the buildings as 'space defining elements'. This is quite different from typical zoning regulations that treat the buildings as 'objects in space'.

**Modern zoning is designed for cars;  
Form Based zoning is designed for people.**

The buildings are thus subservient to the needs of the human being and the community: like many traditional European cities and towns, the buildings are used to define the public spaces through creating "street wall".

This is conducive to a much more pedestrian oriented and visually rich urban environment, where a variety of social spaces such as the church plaza, the town square, and the village green can be used for all sorts of formal and informal occasions for neighbors and visitors to meet and enjoy.



# The Crossing: A Planned Area Development

## Build-to Lines and Build-to Zones vs. Setbacks

2.6



Typical "Setback" Zoning is designed to preference automobile traffic

An important tool to creating a meaningful sense of "place" in the urban environment is the "Build-to Line" (BTL), which replaces the "Setback Line". The "Build-to" concept is generally used only at the street frontage, and standard setbacks may still be used to regulate the side yards and rear yard of the property.

The setback regulates how close to the property line one is allowed to build. Typically, the space between setbacks and property line are used for parking or large expanses of landscape, which set the buildings away from the street and pedestrian traffic. Setbacks can thus create a sense of randomness to the street and isolation of the buildings, and tend to set buildings as "objects in space". Setbacks are the product of an "automobile mentality"; they increase the need for auto since they space buildings further apart and away from pedestrian traffic.

The Build-to Line, conversely, regulates how close to the property line one "must" build, and thus creates a more regular, harmonious, and place-defining street scope. Build-to lines promote a sense of relationship between buildings, and of buildings to the street, and help to create a human scale and pedestrian oriented sense of place.



"Build-to Line" helps to define relationships between the street, the buildings, and the occupants.



"Build-to Zone" variations help to create a strong sense of place and human interest

The Build-to Zone (BTZ) is similar to the Build-to Line, except that it defines a swath from the front lot line to determine the minimum and maximum distances in which the building's frontage must be built. The Build-to Zone thus allows more variation in the street scope, and can provide a defined area for landscaping, outdoor seating, small courtyards, and the like to give the street added texture and pedestrian scaled interest.

See Section 8, "Definitions", for more information on the differences between "Setback Line", "Build-to Line" and "Build-to Zone".

Our Lady of Grace Planned Area Development PS&Z 11-01

Maricopa Arizona

## Private Accessway: Major Street

4.2

Designation:	Super Local/ Collector Hybrid
Design Speed:	35 MPH
Posted Speed:	25 MPH
Private Accessway Width:	80 feet
Number of Lanes:	2
Street Width:	48' (b/c to b/c)
Pavement Width:	34'
Lane Width:	12'
Bike Lane:	5'
Turn/ Median Width:	14'
Design ADT:	8000
Curb/ Edge:	Vertical or Rolled
Pedestrian:	5' min over 8' RUE
Bike Lane:	5' marked in 17' Lane
Transit:	Bus Stop permitted
Parking:	Marked 9' x 22' Parallel
Driveway access:	150' min at median cuts
Public Street Access:	No restrictions
Street Purpose:	Private Accessway



NOTE: All streets, alleys, paths, etc. in this development are private accessways owned and maintained by Owner.

Public and city use of the streets will be granted through perpetual easements for purposes of public service access and private transit. The Owner will retain the right to limit private transit to functions deemed conducive to the development, and to assert the Owner's right to consider the entire project as "Private Property".

Our Lady of Grace Planned Area Development PS&Z 11-01

Maricopa Arizona

Cars are a reality of modern life, but they should not dominate our life style. There are many ways to reduce their impact while still keeping their immense convenience.

One of the key strategies to designing pedestrian friendly "smart neighborhoods" involves bringing the buildings closer to the street, rather than setting them back.

Conventional modern zoning typically mandates a building "setback" – the building must be built so far away from the property line – often 20 to 100 feet from the street, which only makes the building appear as an object in space unrelated to anything else. This is not compatible with a human-scaled environment.

At The Crossing, we proposed a "build-to zone", where a significant percent of the building street façade must be within 12' of the property line. This allows for development options where the building can be placed directly on the lot line to maximize the building envelope, or set back a bit to create a wider pedestrian zone for outdoor seating, small courtyards, street front gardens and landscaping, and the like.

This helps to define the "street wall", which creates a strong sense of place and identity to the whole development.

We also included parallel parking on the street, which services for parking convenience, as a traffic calming device, as a safety barrier for pedestrians, and to promote security by making the streetscape more heavily used throughout the day and night.

Lush landscape, street furniture, the landscape median, street level shopping, good shade, and attractive buildings that help to define the "street wall" all work together to give The Crossing a strong sense of place and identity.





# Holy Family Catholic Church, American Canyon, CA



Above: Holy Family Parish Church (left) and multipurpose building (right)

Holy Family Catholic Church acquired a centrally located 5 acre parcel in downtown American Canyon, CA about 17 years ago.

The land has lain undeveloped as the small parish has gradually grown in size and financial strength.

Over the years, various developers have made offers to swap this parcel for other land, or even to build a small church on it if allowed to develop the rest of the land commercially.

When the pastoral staff asked us at Liturgical Environs PC to look at the property with a view to building a new church, social hall, administration wing, and rectory, we first began with an investigation of applicable zoning regulations. It soon became apparent why so many were interested in this site!

The base zoning on this land is “CC” – central commercial – which allows an FAR of 1.0. (The FAR, or “floor – area ratio”, allows 1 SF of building to be built per 1 SF of land owned). However, the land also has an additional “Residential Overlay” attached with an FAR of 0.5, which give a total FAR of 1.5. This means that on this 5 acre lot (225,640 SF), that a mixed use project with both commercial and residential uses can be built up to 338,460 SF. In economic terms, a \$60 to \$80 million dollar project could be built on this land, assuming ideal market conditions!

It is no wonder that a developer would want this land that has such development potential.

Working closely with the pastoral staff and the City of American Canyon Planning and Zoning Staff, we are now exploring the possibility of developing a beautiful new parish church and other facilities on about 2 acres, and engaging a commercial development partner to develop the remaining 3 acres with a town square concept residential and commercial mixed use facility.

Such an arrangement would provide the parish with substantial rent/ lease income in perpetuity, while also providing the resources needed for the parish to better serve the local community with the Church’s social mission for elderly and low income housing, a senior center, storefront ministry for social services, and the like.



Client: Holy Family Catholic Church  
Pastor: Fr. Frederick Kutubebi  
Deacon: Rev. Mr. Victor Leach  
Architect: Steven J Schloeder AIA PhD

ENTRANCE  
North 54th Street

# Master Planning and Site Design



There are many potential benefits to such a development, provided the parish is wise and prudent in seeking a compatible development partner.

- American Canyon is the “gateway to Napa Valley”, which boasts a massive and vibrant tourist industry. The city fathers in American Canyon are working to promote this, and to brand their city with the beautiful Mission Style, Arts and Crafts, and “ghost winery” architectural character that so many enjoy. These ideas are expressed in the carefully considered conceptual design of the new parish development.
- American Canyon lacks a meaningful and vibrant urban space – there is no sense of “town square” or any area that is really pedestrian friendly. The design as envisioned will create both a formal church plaza and a large city square ringed by shops, restaurants, offices, a senior center, and residential housing. Holy Family will become the spiritual and the social heart of the city, claiming for the Church the defining image of the whole community.
- There is a serious lack of multifamily apartments for seniors, low income, and work force housing in the area. There are also a whole series of zoning and economic incentives available from the State of California and the City of American Canyon that can make this a fiscally successful project.

By creating a land-lease development model, and working with a development partner who is sympathetic to and supportive of the Church’s social mission, the parish can create an urban synergy that helps to fund the parish while providing much needed social and economic amenities that serve both the Catholic faithful and the larger community of American Canyon.



# Mount Claret Retreat Center, Phoenix AZ

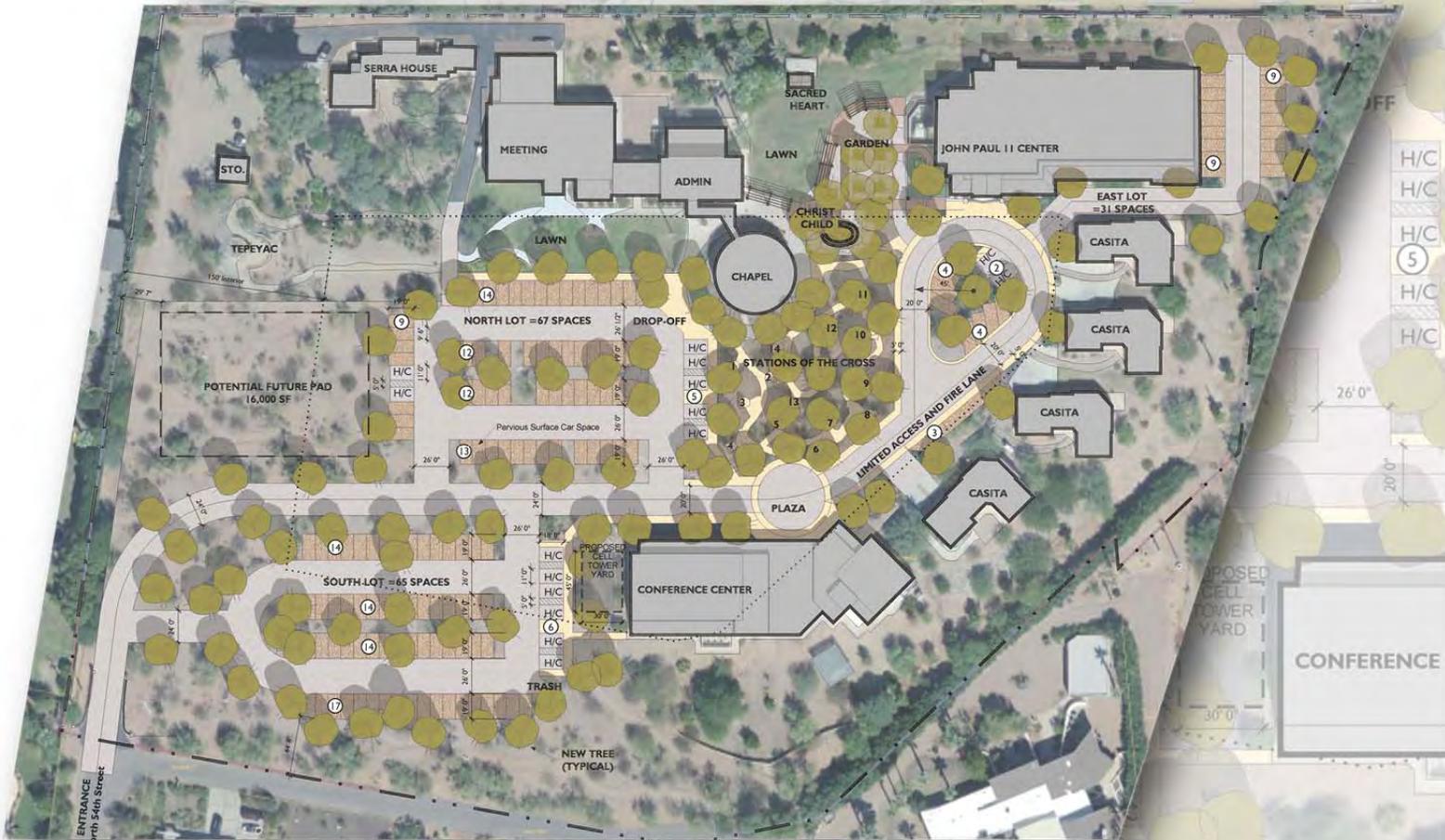
The Director of Mount Claret Retreat Center has asked Liturgical Environs PC to propose design studies to rethink and to revision the entire 10 acre site.

Mount Claret sits on the site of a desert resort hotel built in the 1920s on the south slope of Camelback Mountain, overlooking Phoenix. It was acquired by the Claretian Order in the 1950s and for over a half century has served as a spiritual retreat center for the Cursillo Movement, and other diocesan and parish groups.

Over the decades, the site was somewhat haphazardly developed such that the entire center of the campus has been dominated by the expanse of a rambling black top car park. All the facilities—the chapel, administration, retreat facilities, conference center, and residences—are edged around the perimeter of this asphalt eyesore. The whole site is disjointed and not conducive to the Center’s mission to be a relaxed and contemplative place for spiritual renewal: what should a place for people, prayer and contemplation, and natural beauty has been given over entirely to automobiles.



Aerial view of Mount Claret Retreat Center (dominated by the parking lot)



**The last thing anyone on a retreat should see is their car – that only will remind them of the outside world, the problems and challenges of work and home, and distract them from the prayer, serenity, and contemplation that the retreat offers.**

**Our goal is to minimize the car, and give more land to nature, beauty, the retreat community, and the soul.**

Client: Mount Claret Retreat Center  
Phoenix AZ  
Director: Mr. Thomas McGuire  
Diocese: Catholic Diocese of Phoenix  
Architect: Liturgical Environs PC

# Master Planning and Site Design



Our primary goal in this redesign is to separate the cars from the retreatants: a car is a connection with, and therefore a reminder of, everything back home and back at work. By placing the cars at the entry, and screening them with lush foliage, the retreatants will be more able to focus on the message of the retreat.

The central parking lot will be replaced by a contemplative and meandering prayer garden, with monumental bronze Stations of the Cross. This area also creates shaded pedestrian paths that help connect the various parts of the site.

The landscape will be returned to a pristine, Sonoran desert oasis utilizing the best practices of xeriscape (low water usage plants, deep root feeding, umbrellation) to create a shade canopy allowing sub-tropical plants to grow and promoting an attractive microclimate.

In addition to the new parking and the Stations of the Cross, land has been set aside for a future expansion building on a 16,000 SF pad.

The first phase of this project will be the Christ Child Shrine, also designed by Liturgical Environs, with more shaded gardens that can serve as outdoor meeting areas for groups of retreatants.



# St. Mark Catholic Church, Denton TX

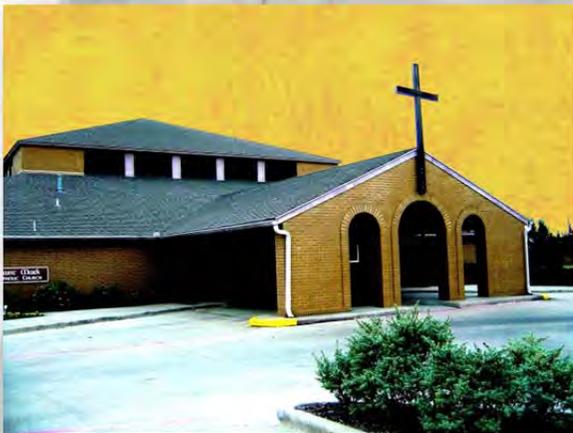
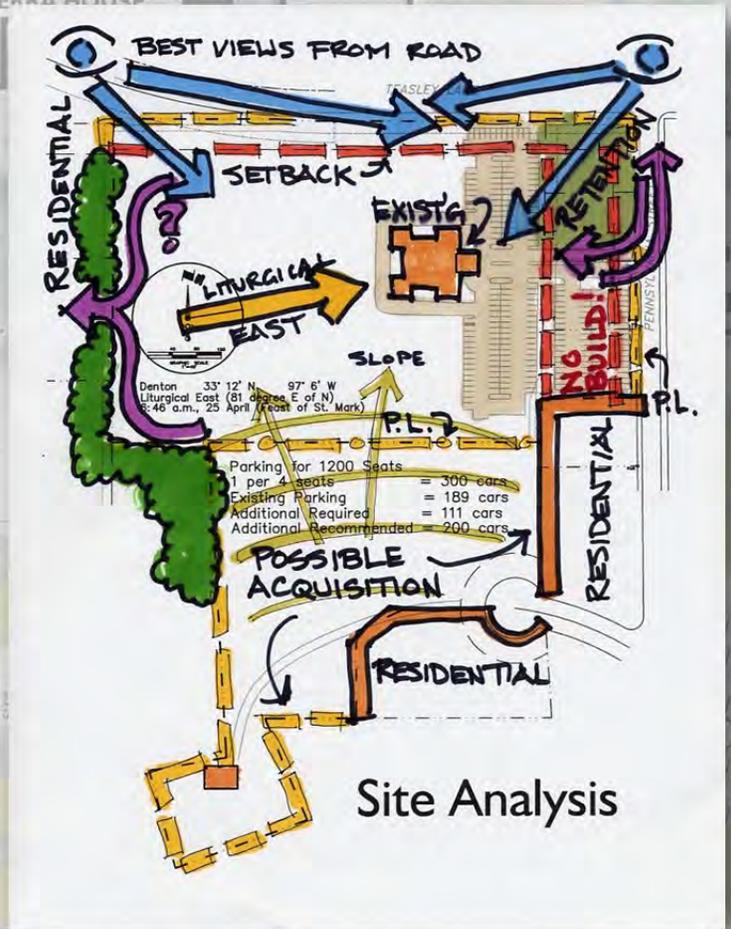
From 2003 through 2007, Liturgical Environs PC worked with the parish community of St. Mark Catholic Church in Denton Texas as part of their strategic planning process to determine the future direction for their development.

The parish was outgrowing their 7,500 SF multi-use building that sat on their 10-acre site. The church only sat about 500 people, and provided for administration space and some limited social functions, but the rest of the needs were met on temporary portables that housed the faith formation, youth group, social outreach, and a Catholic school.

Our work involved site analysis, zoning analysis, a full architectural program of spaces, land use studies to determine if an adjacent property should be acquired, and conceptual designs for a new church.

An integral part of the programming and master planning process included extensive parish education on liturgy, sacred art and architecture, as well as a comprehensive parish questionnaire survey, town hall listening sessions, and focus groups.

After long deliberation, the parish decided to move location to a much larger parcel of land a few miles away, and have since begun developing that site.

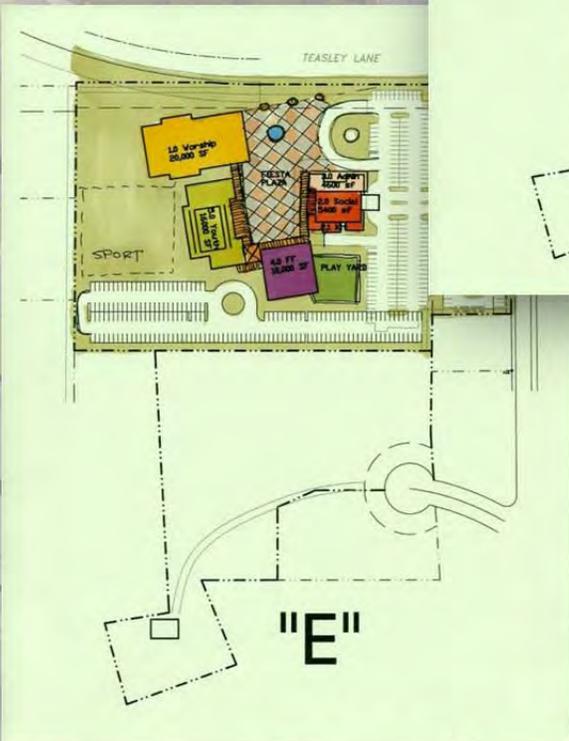
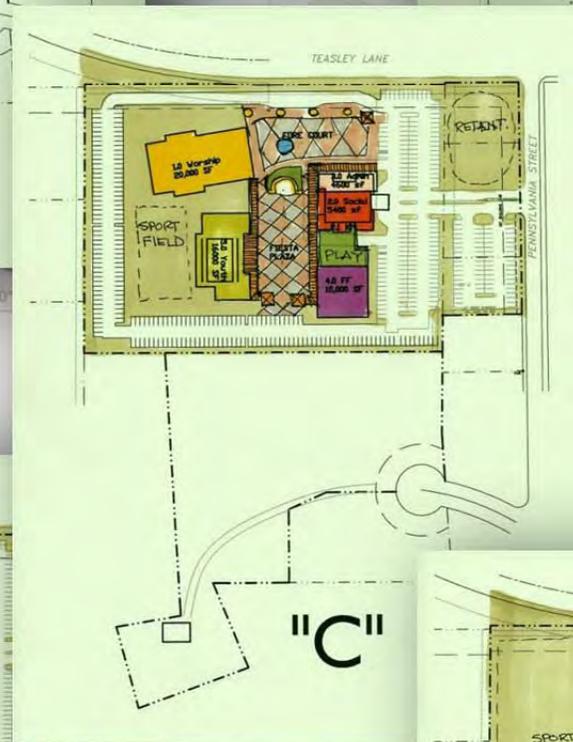
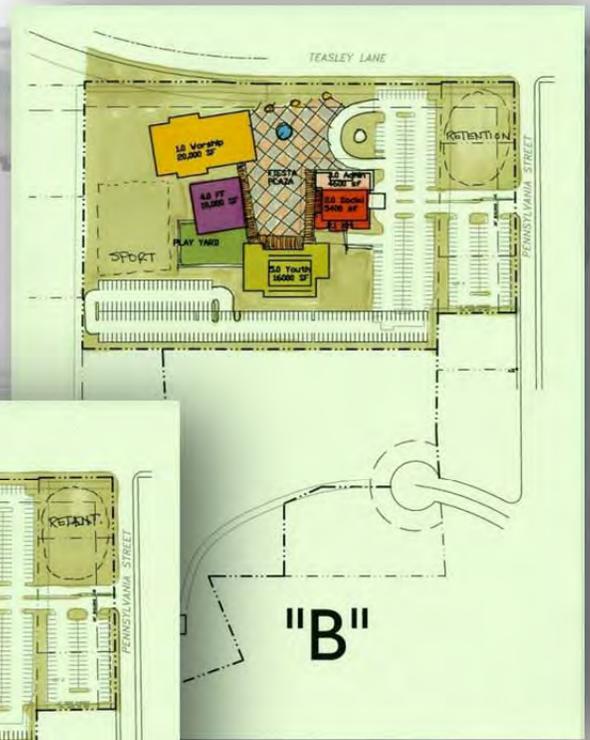
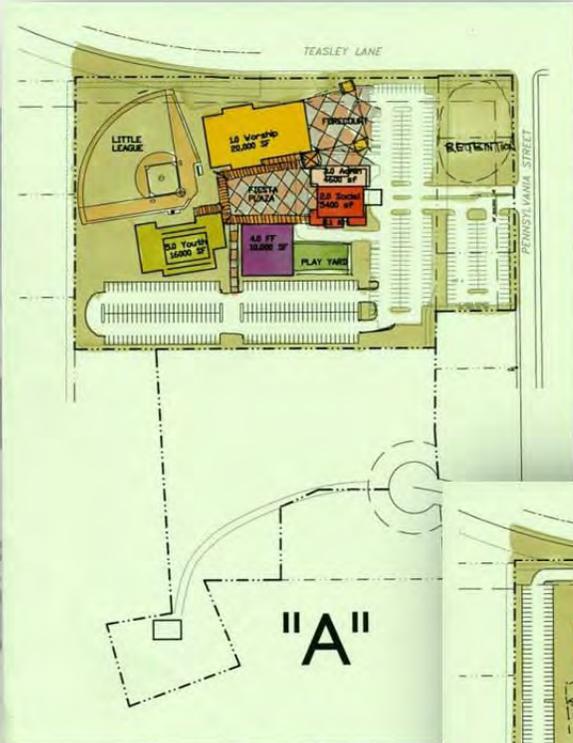


Client: St. Mark Catholic Church  
Denton Texas  
Pastor: Fr. Eugene Sweeney  
Diocese: Catholic Diocese of Fort Worth  
Architect: Liturgical Environs PC

ENTRANCE  
North 54th St

17

# Master Planning and Site Design



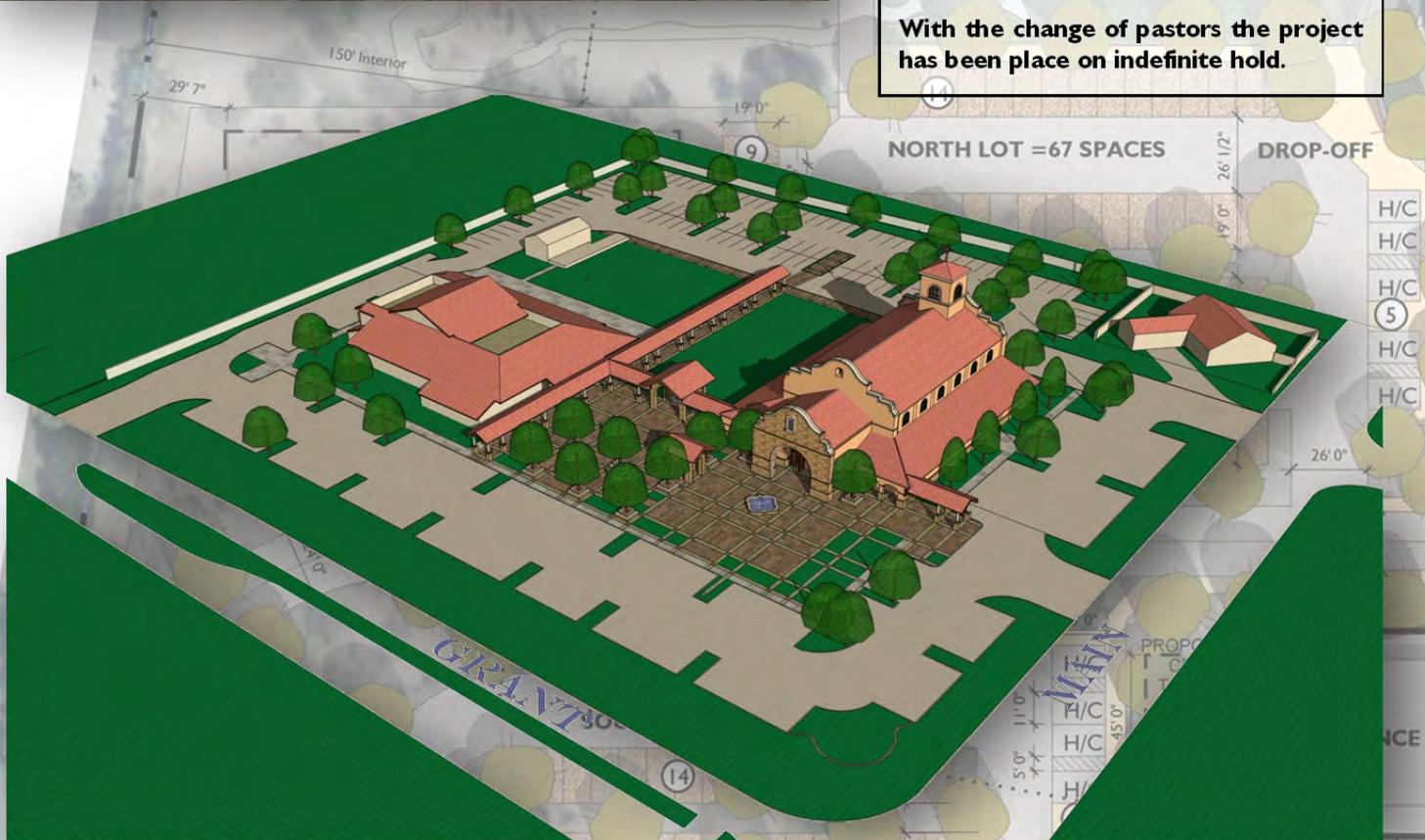
# Saint Anthony Catholic Church, Winters CA

The parish of St. Anthony in Winters CA has been worshipping in their small and outdated church building for over a half century. In the 1970s they acquired a 5 acre site where they built a multi-function building for the parish's administration, religious education, and social functions, and were next looking to develop the site with a new church, and to plan for additional future facilities.

## MEETING

Liturgical Environs PC worked with the pastor, building committee, and the whole parish in an intensive programming, site planning, and schematic design process to present a comprehensive direction for the parish.

With the change of pastors the project has been place on indefinite hold.

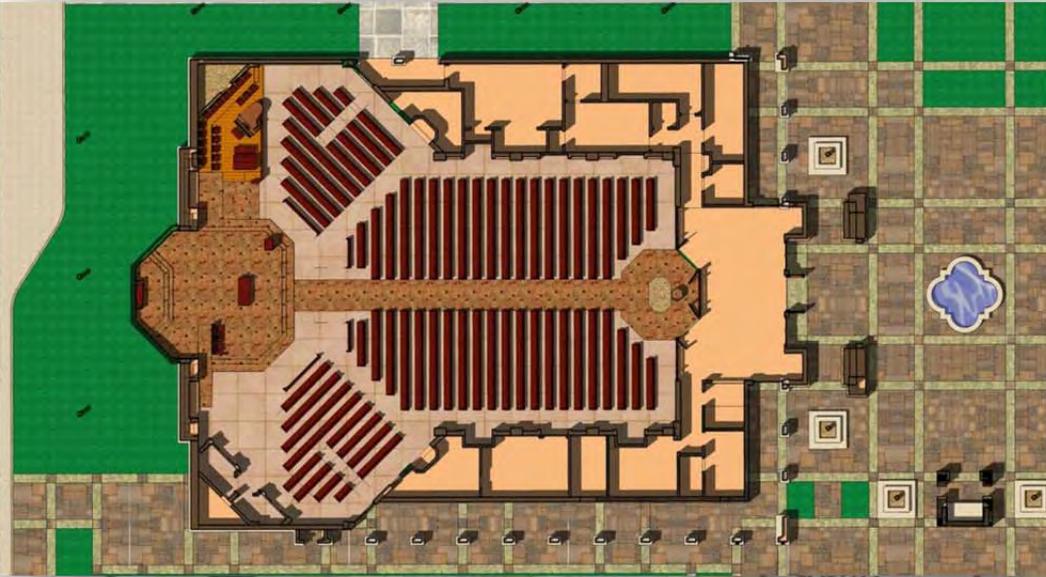


Client: St. Anthony Catholic Church  
 Winters CA  
 Pastor: Fr. Chuck Kelly  
 Diocese: Catholic Diocese of Sacramento  
 Architect: Liturgical Environs PC

*The two courtyards – one formal and liturgical, and the other more social – frame the buildings and create a strong sense of place and identity to the whole complex. The arcades provide covered pedestrian paths between buildings and to the parking areas, and enhance the desired Mission style feel to the project.*

ENTRANCE  
 North 54th Street

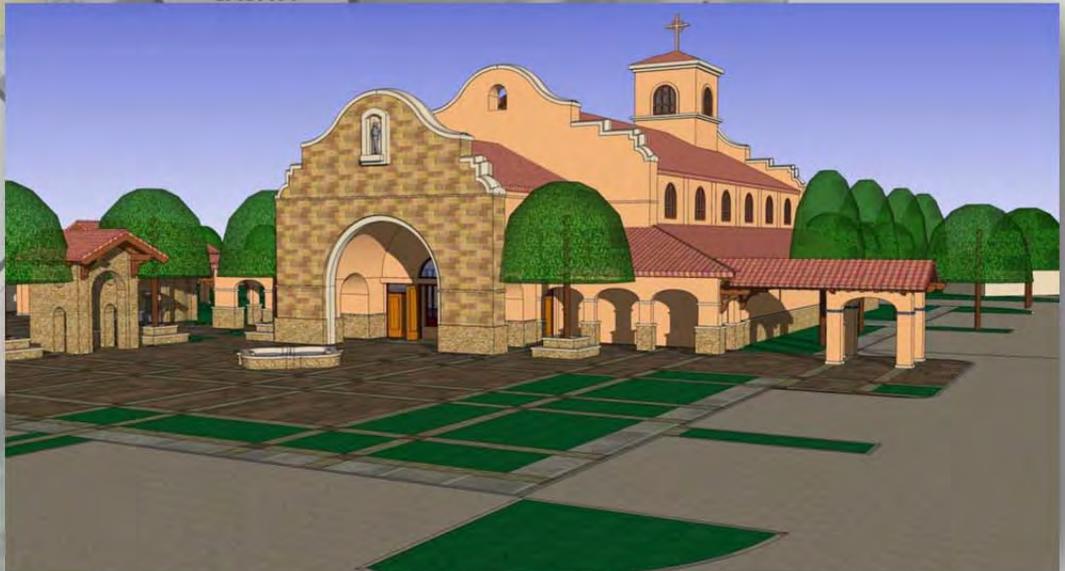
# Master Planning and Site Design



**ABOVE: FLOOR PLAN**

**LEFT: BUILDING SECTION**

**BELOW: VIEW FROM NORTH WEST**





# Our Lady of Grace Catholic Church Maricopa, AZ



Scheduled for construction in Summer 2013, the new parish church of Our Lady of Grace is the first phase of a multiphase project. The initial church is for 500 seats, and is pre-engineered and predesigned to be seamlessly enlarged to a much larger building to seat 1500 people as need grows and funds are available.

The church's 5-acre site will eventually also house an administration building, parish social hall and educational building, rectory, and store front parish based social services and bookstore.



The church and the parochial school will eventually anchor an entire 35-acre parish based neighborhood planned area development with mid-rise retail and office space, senior assisted living, multifamily and single family residence, and significant social open spaces to create a truly sustainable and walkable neighborhood.

LITURGICAL ENVIRONS PC also served as the urban planner for the PAD, incorporating the best practices in Form Based Code, New Urbanism, and Smart Growth concepts. The project was successfully rezoned as an intense mixed-used Planned Area Development, with City Council approval in April 2012.



East Elevation (w/ Phase 2 behind): Our Lady of Grace Catholic Church, Maricopa AZ. © Liturgical Environs PC 2012

Client: Our Lady of Grace Catholic Church  
Catholic Diocese of Tucson  
Pastor: Fr. Marcos Velasquez  
Manager: Mr. Ken Lepper  
Architect: Steven J Schloeder AIA  
Project Manager: Mr. Mitch Lorenz  
Landscape: The Campbell Collaborative  
Structural: Babbitt-Nelson Engineering  
Civil: Vesecky Engineering  
MP&E: Peterson Associates



In 2007 Fr. Lawrence Seyer asked LITURGICAL ENVIRONS PC to serve as Liturgical Consultant for the new 400 seat Catholic student chapel at the University of South California.

With a strong sense of tradition equaled by a strong donor base, the parish and the liturgical arts committee sought to bring forth a true legacy building that would serve both the students and the wider campus community in the formation of students as Catholic thinkers. From the onset the parish understood the need for integrating the architecture and the arts with a proper sense of the Church's evangelical mission.

Through the design development phase we worked closely with the pastoral staff, the architectural team, and the liturgical arts committee to plan and design the liturgical and artistic appointments, and to select and guide the various artists and artisans on the project.



Above: Our Savior Church at the Caruso Catholic Center, University of Southern California. Consecrated on 9 December 2012 by His Excellency Jose H. Gomez, Archbishop of Los Angeles.



Above: Cornerstone designed by Steven Schloeder, blessed by Pope Benedict XVI;  
Left: Entry Portal with Tympanum by Jason Arkles;  
Below: View from north west.

Client: Our Savior Catholic Church  
Pastor: Fr. Lawrence Seyer  
Director: Ms. Clare Faulkner  
Manager: Mr. William Marsh  
Design Architect: Elkus Manfredi  
Architect: Perkowitz & Ruth  
Liturgical: Steven Schloeder AIA  
Contractor: Matt Construction  
Stained Glass: Judson Studios  
Stations of the Cross: Peter Adams  
Tympanum: Jason Arkles  
Crucifix: Christopher Slatoff



# Our Savior Parish at University of Southern California Los Angeles, CA



Among the project goals was to seamlessly integrate the arts in service of the liturgy, and that the artistic iconography help form the students in their Catholic faith.

As this is a university church, and Christ is the great Teacher, the eight monumental stained glass windows are each illustrative of one of the Eight Beatitudes, which is Christ's great teaching. The main panel shows an application of the Beatitude from the New Testament, with an Old Testament prefiguration below. On the architectural columns framing the scenes are shown saints who exemplified the particular beatitude in their life.

The Stations were designed to be ensconced in carefully proportioned architectural frames.

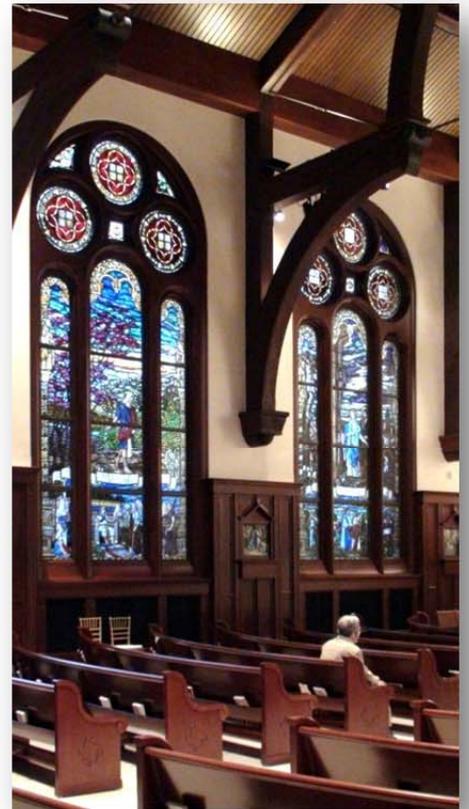
*Upper left:* Apse windows by Judson Studios, depicting nine of the Doctors of the Church.

*Middle left:* Station of the Cross, by Peter Adams.

*Lower left:* Blessed Sacrament Chapel.

*Upper right:* Nave wall showing hammer beam trusses and monumental stained glass windows by Judson Studios.

*Below:* Sanctuary with Crucifix by Christopher Slatoff, and Reredos, Altar and Ambo by LITURGICAL ENVIRONS PC.



Fr. Brian Bachmeier, pastor of Sts. Anne and Joachim, asked Steven Schloeder of LITURGICAL ENVIRONS PC to assist in the planning of their new 1200 seat, \$8.5 million permanent church, which is the final phase of their impressive facility that already houses the social hall, administration, ministry and educational needs.



*Bishop Samuel Aquila  
consecrating the main altar  
11 February 2010*

The community's "cultural memory" of Catholic architecture was formed by the robust neo-Gothic churches built throughout the upper midwest by the northern European immigrants from Germany and Scandinavia. The graceful forms, careful proportions, solid materiality, and artistic heritage of the Gothic style permeate the building, which creates a strong sign-value for the local community and achieves a warm, inviting and surprisingly intimate space for the parish to celebrate their life together in the Lord.



# Parish Church of Saints Anne and Joachim Fargo, ND

LITURGICAL ENVIRONS PC worked closely with the pastor and the building committee, Zerr-Berg Architects, Denise Drake Interiors, and the various stone, pew and wood furnishing vendors, and stained glass, mural and bronze artisans to bring forth a complete integration of liturgy, architecture, and the arts in service of the Church.



*Consecration Cross & Candle*



*Above: Baptismal Font  
Below: Ambo*



Client: Saints Anne and Joachim Church  
Pastor: Fr. Brian Bachmeier  
Design Architect: Liturgical Environs PC  
Architect: Zerr-Berg Architects  
Interiors: Denise Drake Interiors  
Contractor: Lee Jones & Son  
Construction  
Stained Glass: Pickel Studios  
Bronze works: Donahue Fine Arts  
Pews and Wood: Ratigan-Schottler  
Stone: Custom Iron and Stone  
Mural: Evergreene Architectural Arts



*Above: Sanctuary  
Below: Daily Mass Chapel*



In the Summer of 2003, SAINT PAUL CATHOLIC CHURCH in Pensacola Florida asked LITURGICAL ENVIRONS PC to assist in the architect selection and planning of their new church facility. We helped to organize and administrate a limited architectural competition among qualified local firms, provided assistance to the competitors in the development of their proposals, and afterward collaborated with the winning firm, BULLOCK TICE ASSOCIATES, in the continued design of their winning entry.

The design was forced into a severe value engineering exercise when the bids, due the week after Hurricane Ivan ravaged the City of Pensacola in September 2004, came in massively over budget. The design team worked to scale back the building, eliminating the clearstory and the two entry towers (while providing structural accommodating for these to be built in the future), but retained the noble dignity of the original design.

Throughout the process we worked to assemble and orchestrate a large team of artists, artisans, specialists and vendors to incorporate both new and renewed church furnishings, stained glass and other works of sacred art. Stained glass was salvaged both from the earthquake damaged St. Francis de Sales Cathedral in Oakland CA, and Our Lady of Victory in Philadelphia PA.



Client: Saint Paul Catholic Church  
Pastor: Fr. Doug Halsema  
Liturgical: Steven Schloeder AIA  
Architect: Bullock Tice Associates  
Wood work:

Dan Simic  
Images of the Cross

Stained Glass:  
Joan DiStefano-Ruiz  
Beyer Studio

Sculptors:  
Donahue Fine Arts  
Heidi Wastweet  
Vonn Hartung

Mosaics:  
Joan DiStefano-Ruiz  
Mosaica

Finishes: Clarke's Interior Concepts  
Stations: James Langley  
Baptistry Images: Keith Johnson  
Metal Work: Donahue Fine Arts



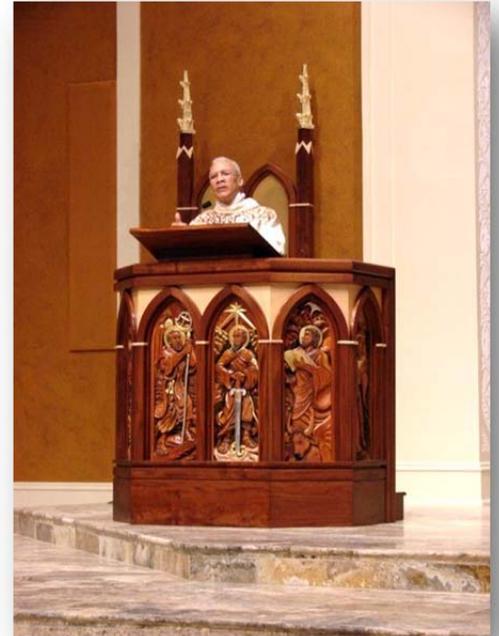
## Parish Church of Saint Paul Pensacola, FL



*Above left:* Joan DiStefano-Ruiz, who also did extensive restoration on the stained glass windows, made lovely angel flourishes for the base of the tabernacle altar, with porcelain and mother of pearl.



*Below left:* A detailed close up of St. Paul baptizing his jailer, by the late Keith Johnson.



*Above right:* We collaborated with Images of the Cross and the sculptor Vonn Hartung to design and produce the ambo. Surrounding the ambo are six bas-relief images of the apostles with their appropriate iconography: the four Evangelists – Matthew, Mark, Luke and John – flanking the central figures of St. Peter and the church patron St. Paul.



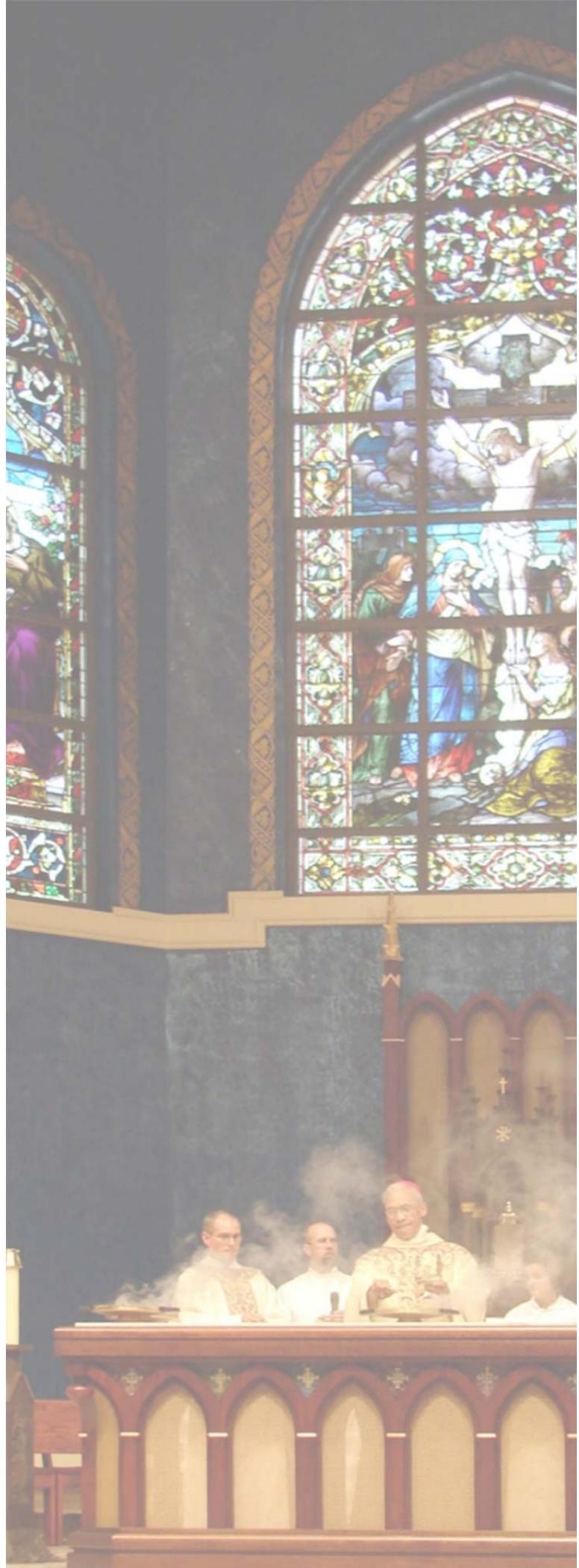
*Below right:* the late Keith Johnson painted a stunning series of three rondellos, illustrating the Old Testament prefiguration of baptism in Moses parting the Red Sea, the Baptism of Jesus, and St. Paul baptizing his jailer.



*Above left:* The parish commissioned artist Heidi Wastweet to create eight bronze rondellos depicting scenes from the life of St. Paul, which are set into the main entrance doors of the church.

*Below left:* Brian Donahue executed a large number of bronze works, including statues of St. Jude and St. Peregrine, the ambry, the altar candle set, the gothic finials on the wood screens, the tabernacle lamp, and the monumental gothic civory that houses the tabernacle.

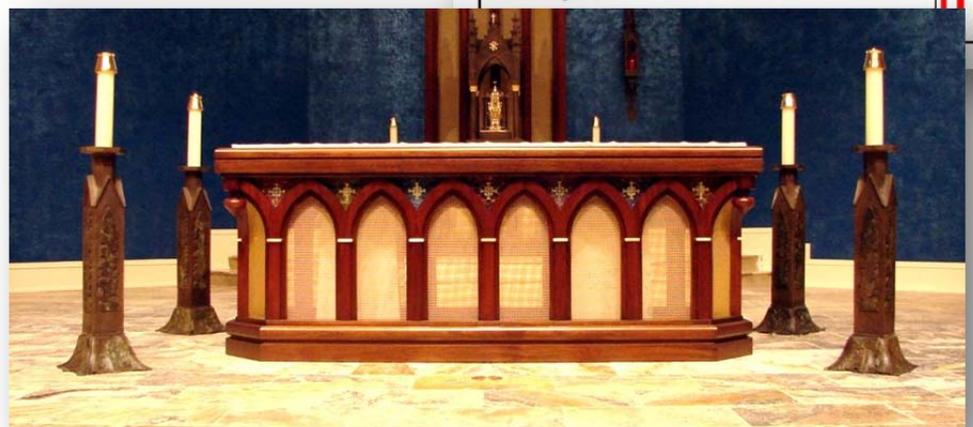
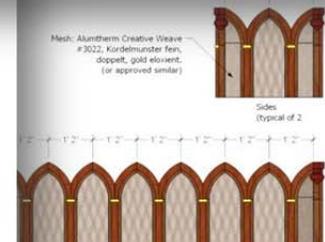
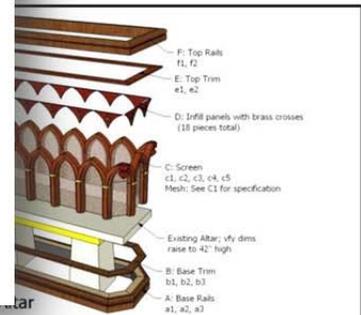
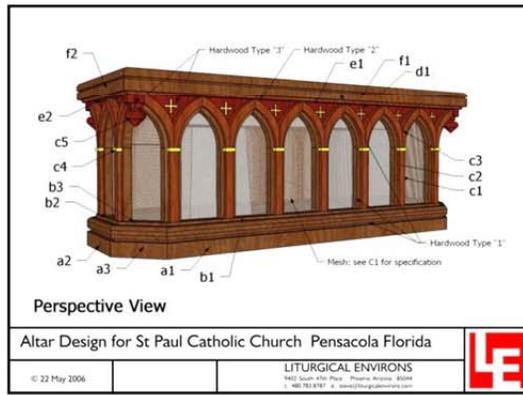
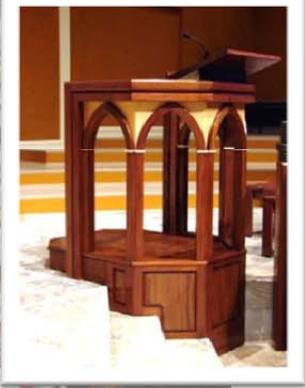




# Parish Church of Saint Paul Pensacola, FL

The sanctuary was furnished with a full suite of items: altar, ambo, lectern, tabernacle altar, chair screen and Gospel throne.

One of the challenges was to reuse the existing 1950s era "space age" marble altar which the parish had been using for a half century. The altar was shrouded in a Mahogany wood reliquary, accented with mosaic infills, with decorative woven mesh that allowed the old altar to retain its presence in the new Gothic environment.



After the small yet vibrant parish of St. Therese of Lisieux in Collinsville, OK realized they had outgrown their existing building, Msgr. Patrick Brankin enlisted Steven Schloeder of LITURGICAL ENVIRONS PC to plan and design their new 360-seat church.

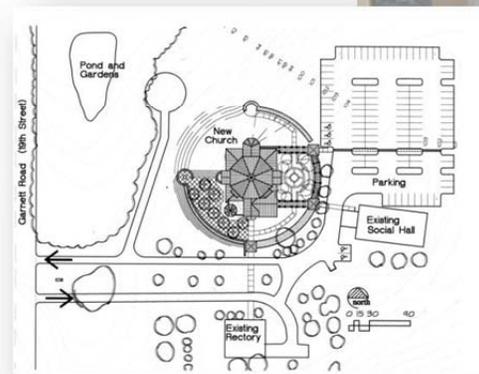
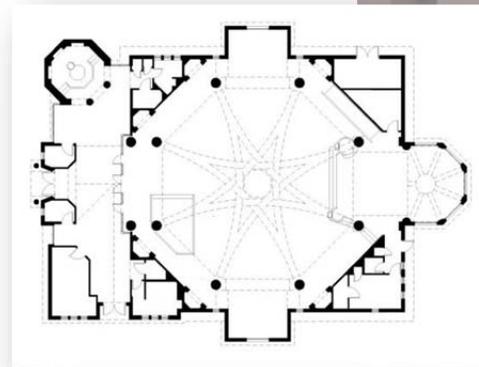
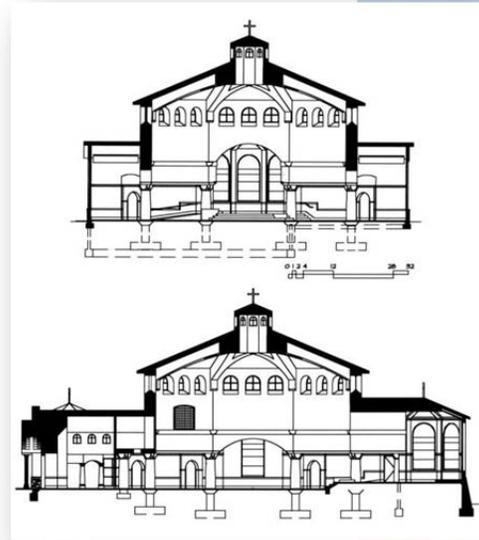
Msgr. Brankin especially wanted the church to be catechetical, and to help form the community in the Church's understanding of the liturgy and her architectural and artistic traditions. The evocations of the northern Italian Byzantine provided a simple language of forms and expression that is both elegant and articulate, apt for the rolling hills of the region, and gave a dignified sense of scale to this very small church.

With a tight budget constraint for an agrarian community, we worked together to design this strong, compact, spacious, well-articulated, and efficient building.

This project was formally consecrated on The Feast of the Little Flower, 1 October 2000, in the Jubilee Year.



*Above: View from South West  
Below: View from North East*



Client: St. Therese Catholic Church  
 Pastor: Msgr. Patrick Brankin  
 Architect: Liturgical Environs PC  
 Contractor: Gorman Construction  
 Structural: Geurin Engineering  
 MPE: Flynt Kallenberger, Inc  
 Civil: Sack and Associates  
 Stained Glass: Beyer Studio

# Parish Church and Shrine of St. Therese of Lisieux Collinsville, OK



Despite budget constraints, we were able to achieve a profound sense of beauty and emotion appropriate to a church project with the careful use of form and massing, light, architectural detail, and the providence of reused items from churches that had been closed.

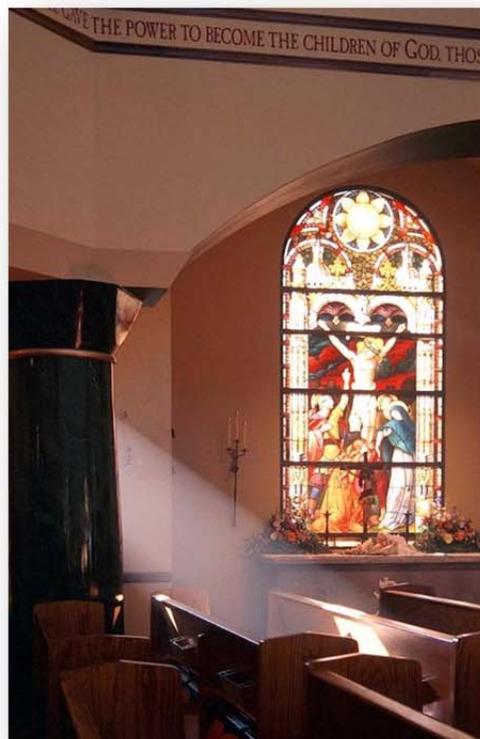
The ceiling forms unite the octagon and lantern above with ribbed vaults, forming a *mystical rose* in honor of the Little Flower.



The parish acquired and readapted seven beautiful antique stained glass windows, Tyrolean Art Glass circa 1908, showing scenes from the life of Christ and Our Lady.

The altar and presider's chair were adapted from an antique marble altar rail and frontal.

The pews were salvaged from a local church, cleaned and refinished by the members of the parish, and the men of the parish installed the stone base on the exterior of the building and built the adjacent campanile.



Above: Poor Souls Chapel with Crucifixion Window  
Below: View of Nave and Sanctuary



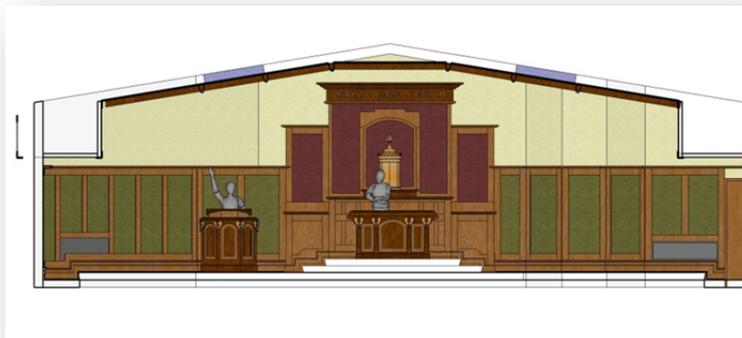
Top: Mystical Rose Ceiling  
Middle: Main Altar  
Bottom: Tabernacle, built by parishioner





St. Charles Borromeo, in Peoria AZ, is a 1950s era steel frame block building originally intended to be the church hall when a future permanent church was to be built. The community never got around to that project, and the various successors of pastors made the best of this simple building.

Fr. Arthur Nave invited Liturgical Environs PC to design an new altar and ambo, and to create a stronger sense of liturgical focus to the sanctuary.



Taking cues from the low, broad ceiling and certain other architectural features (for instance, the recently installed depictive stained glass), we determined that an Arts & Crafts approach would work well. This design direction was also reinforced by the expressed preference for a wooden altar base with a stone mensa, the goal of having parishioners build the new sanctuary furnishings, the tight budget, and the desire to establish an architectural vocabulary that would eventually be extended throughout the sanctuary and nave.



Client: Saint Charles Borromeo Catholic Church  
 Catholic Diocese of Phoenix  
 Pastor: Fr. Arthur Nave  
 Architect: Steven J Schloeder AIA



Above: Exterior of St Charles Borromeo

Below: Existing Interior



# Saint Charles Borromeo Catholic Church Peoria, AZ



These quick studies illustrate how a simple architectural and artistic vocabulary can create a cohesive and interesting aesthetic effect from an otherwise bland and disjointed building.

The careful use of form, proportion, and detail, along with attention to the wall, floor, and ceiling surfaces, give a sense of integrity and character to the church, which is conducive to the assisting the active participation of the lay faithful.



Each part of the sanctuary and nave will be addressed for consistency: the sanctuary walls will be paneled to create a more human scale; the columns and beams will be re-clad with beefier elements; the ceiling will be gridded with a coffer to give harmony to the space; new period chandeliers will replace the Plexiglas cylindrical pendants; and the plain gyp board mechanical soffits will be treated with wood trim to integrate with the other Arts & Crafts details.

The goal is that much of this work can be achieved by the parishioners.





Sacred Heart Catholic Church in Prescott is a product of its age. Built in the wake of the Second Vatican Council, the building is architecturally and liturgically incoherent. Rather than following the dictum “form follows function”, building seems to be trying to force the laws of physics to obey a predetermined functionalistic view of liturgical participation where the people are wrapped around the sanctuary in a muddled mess of seating under a random structural frame that precariously supports the roof with dog leg beams, intrusive shear walls that divide the nave into separate sections, strange clashes of geometries, and banal “slump block” walls that speak only of cheap and utilitarian building practices.



To approach a redesign to such a space is a daunting task both to overcome the architectural poverty of the building, and to find some liturgical and aesthetic coherency.

Before proposing design ideas for the future remodel, we first had to carefully construct an accurate 3-dimensional computer model of the existing facility. Using both archived architectural and structural drawings, as well as field measurements, we were able to model the building, which served as a base for design explorations.

*Above: aerial view of building  
Right: existing floor plan  
Lower Right: proposed floor plan*



These 3D modeling tools allow us to understand the building and work to actual scale. of the existing facility. The 3D model is a time intensive part of the process, but once developed becomes a very efficient design and presentation tool to help in decision making, exploring options, and giving realistic images for consideration.

The graphics generated are useful not only in the design process, but for consensus building, preliminary budgeting, project promotion, and capital campaign fundraising.



Client: Sacred Heart Catholic Church  
Catholic Diocese of Phoenix  
Pastor: Fr. Darrin Merlino CMF  
Architect: Steven J Schloeder AIA



# Holy Family Catholic Church American Canyon, CA



The project will define a new “city center” in American Canyon: bringing together a beautiful new church and parish facility on 2 acres, with an exciting new multi-story mixed use project on the adjacent 3 acres.

The mixed use component will serve elderly, low income and standard multi-family needs, along with a senior center, 18,000 SF of commercial office space, and 23,000 SF of premium retail and restaurant space in the central courtyard.

Working with Catholic development partners, the commercial development will be able to provide services that are compatible with the Church’s social mission, as well as provide a perpetual revenue stream to serve the parish and her mission for generations to come.

*The architecture of the church and adjacent mixed-use development draws inspiration from the vernacular architecture of the Napa Valley: the California missions, 19<sup>th</sup> century Arts and Crafts, and the ghost wineries.*



- Church
- Admin/ Church
- Office
- Senior
- Retail
- Multi Family
- Parking
- Circulation

Client: Holy Family Catholic Church  
Catholic Diocese of Santa Rosa  
Pastor: Fr. Fredrick Kutubebi  
Administrator: Rev. Mr. Victor Leach  
Architect: Steven J Schloeder AIA



LITURGICAL ENVIRONS PC worked closely with the architect of record, CCBG Architects, to design a new 2000 seat church for the parish of St. Clare of Assisi.

In deference to the patroness, St. Clare of Assisi, the community desired allusions to the Romanesque and Italianate styles as the architectural point of reference. The design serves the needs of the present, while respecting the architectural patrimony and cultural memory of the past, thus ensuring lasting value for the future.

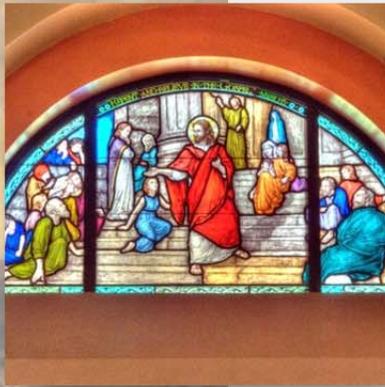


The parish church was formally consecrated by Bishop Thomas Olmsted on April 11, 2010.



- Client: St. Clare of Assisi
- Pastor: Fr. Hans Rugyt
- Design: Steven Schloeder AIA
- Architect: CCBG Architects
- Stained Glass: Beyer Studio
- Furnishings: Custom Iron & Stone
- Statuary: Stuflesser
- Metal: Donahue Fine Arts

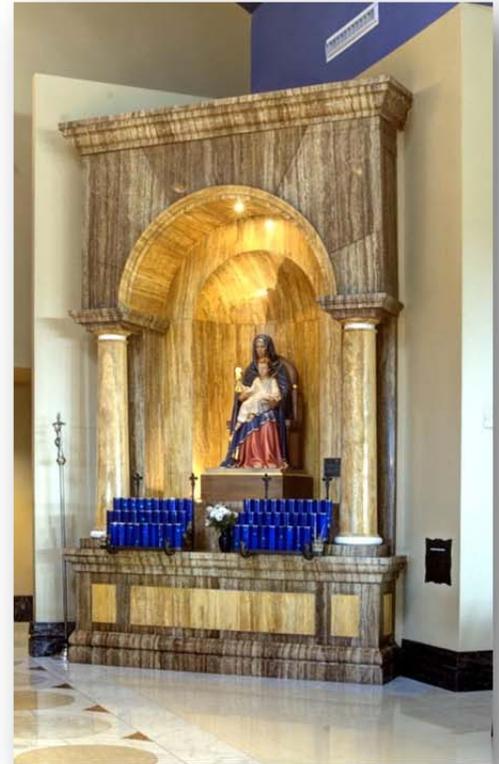
## Parish Church of Saint Clare of Assisi Surprise, AZ



The church has invested a substantial budget in figurative art in more traditional styles -- stained glass, polychrome wood statuary, oil painting, and mosaic.



The major furnishings -- the altar, ambo, baptismal font, reredos and Marian shrine (*top right*) were designed and constructed in a variety of marbles and travertines. The font (*bottom right*) is constructed of the beautiful blue sodalite stone to allude to the waters of baptism.



A set of 22 stained glass windows, executed in the traditional, figurative Bavarian style, have been commissioned from Beyer Studio in Philadelphia, PA (*top left*). These scenes will depict the Mysteries of the Rosary and other scenes from the life of Our Lady and salvation history.



Numerous handworked bronze fixtures -- consecration candle holders, holy water stoups, and votive candle racks -- have been designed and executed in collaboration with Donahue Fine Arts (*middle two on left*).



The floor pattern (*bottom left*) alludes to the 13th century "Cosmatesque" style which was the architectural fashion in the age of St. Francis and St. Clare. The pattern was designed by Steven Schloeder, with repeating pieces in a wide variety of colors to enliven the aisles. At the entrance and at the foot of the sanctuary, large medallions in a "quincunx" pattern, typical of the 13th century floors in Italy, mark the transitions into the church and into the altar area.



Several years after we had completed our first church of St. Therese in Collinsville, I was travelling through and stopped in to visit the church. I was able to catch the early morning daily Mass, and Msgr. Brankin was kind enough to acknowledge my presence to the congregation after the Mass.

A woman approached me, warmly took my hand, and said simply, “*This building speaks silently to me of our Faith.*”

I thanked her for her kind words, but in my heart I felt, *Nunc dimittis, Domine!*

I could not imagine a better compliment, nor a better expression of what I am constantly seeking in every project I do.

I hope that your project achieves that same ideal, that it is a place of profound beauty and meaning, that it helps us to understand our place in the Kingdom of God, and that it expresses somehow the Heavenly Jerusalem built in your own home town.

Thank you for considering LITURGICAL ENVIRONS PC to be your architect.

-Steven J Schloeder, PhD AIA



### Client References:

**Most Rev. Samuel J Aquila**

ARCHBISHOP OF DENVER  
Archdiocese of Denver  
1300 South Steele Street  
Denver, CO 80210

T: 303.715.3129

**Msr. Patrick Brankin**

DIOCESE OF TULSA  
12300 E. 91st Street. S.  
Broken Arrow, OK 74012

T: 918.294.1904

**Rev. Douglas Halsema**

SAINT PAUL PARISH  
3131 Hyde Park Road  
Pensacola, FL 32503

T: 850.434.2551

**Rev. Hans Ruygt**

SAINT CLARE OF ASSISI  
17111 West Bell Road  
Surprise, AZ 85374

T. 623.546.3444

**Rev. Marcos Velasquez**

OUR LADY OF GRACE  
45295 W Honeycutt Avenue  
Maricopa, AZ 85239

T. 520.568.4605

### Professional References:

**Mr. Peter Rockwell, AIA**

GLANCEY - ROCKWELL & ASSOCIATES  
595 S. Americana Boulevard  
Boise, ID 83702

T: 208.345.1718

**Mr. Robert Giannini, AIA**

**Mr. John Marx, AIA**  
FORM 4 ARCHITECTURE  
126 Post Street – 3rd Floor  
San Francisco, CA 94110

T: 415.293.6603

**Mr. Marc Arnold, AIA**

HOK  
1 Bush Street  
Suite 200  
San Francisco, CA 94104

T: 415.243.0555

**Mr. Thomas Kinslow, AIA**

HARMONY ARCHITECTURAL ASSOC.  
1860 Erie Boulevard East  
Syracuse, NY 13210

T. 315.476.9935

**Mr Brian Berg, AIA**

ZERR BERG ARCHITECTS  
510 4th Avenue North  
Fargo, ND 58102

T. 701.280.0187

**Mr. Michael Richardson, AIA**

BULLOCK TICE ASSOCIATES, INC.  
909 East Cervantes Street  
Pensacola, FL 32501

T. 850.434.5444

