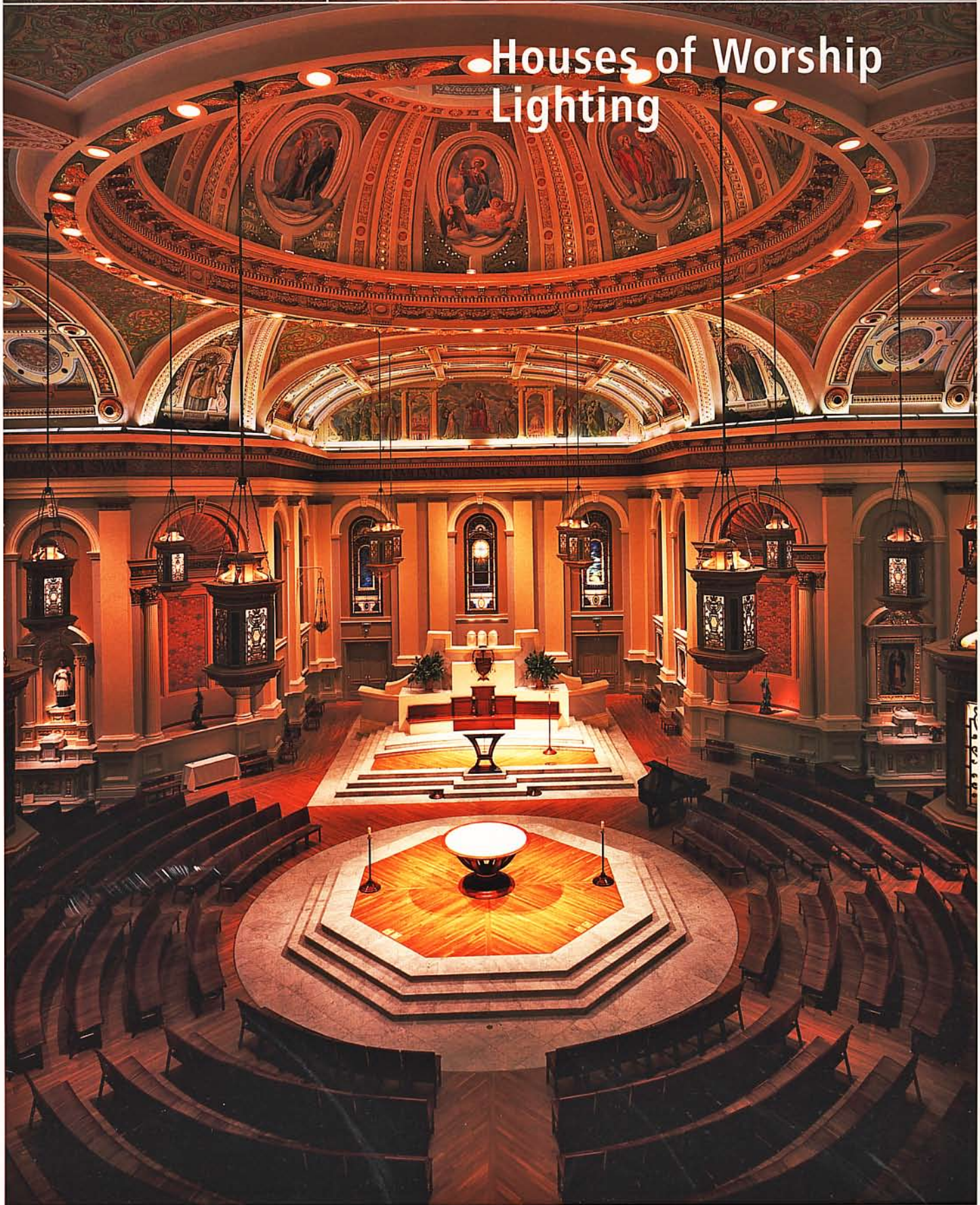


LIGHTING SERVICES INC

# Houses of Worship Lighting





All Peoples Church, Jacksonville, FL • All Saints Catholic Church, Lakeville, MN •  
 All Souls Church, Washington, DC • Angelus Temple, Los Angeles, CA • Apostolic  
 Christian Church, Elgin, IL • Augusta Presbyterian Church, Augusta, GA • Bethany  
 Baptist Church, Schofield, WI • Bethel Church, Indianapolis, IN • Blessed  
 Sacrament Catholic Church, Kansas City, KS • Blessed Sacrament Church, Syracuse,  
 NY • Cathedral of the Immaculate Conception, Ft. Wayne, IN • Cathedral of the  
 Immaculate Conception, St. Louis, MO • Christ Episcopal Church, Roanoke, VA •  
 Christ the King Church, Springfield, IL • Christ United Methodist Church, Honolulu,  
 HI • Church of Jesus Christ of Latter Day Saints, Berkeley, CA • Church of Jesus  
 Christ of Latter Day Saints, Queensbury, NY • Church of Jesus Christ of Latter Day  
 Saints, Saginaw, MI • Church of the Ascension, Virginia Beach, VA • Cistercian  
 Abbey Church, Irving, TX • Congregational Beth Israel, Philadelphia, PA • Cross of  
 Glory Lutheran Church, St. Paul, MN • Faith Lutheran Church, Colorado Springs, CO  
 • Falls Church Episcopal, Arlington, VA • First Baptist Church, Charlotte, NC • First  
 Christian Church, Petaluma, CA • First Christian Church, Winter Park, FL • First  
 Church of the Nazarene, Hartsville, SC • First Congregational Church, Los Angeles,  
 CA • First Presbyterian Church, Crestview, FL • First Presbyterian Church, Decatur,  
 IL • First Presbyterian Church, Grand Forks, ND • First Presbyterian Church of  
 Boulder, Boulder, CO • First Southern Baptist Church, Hutchinson, KS • First  
 Unitarian Church, San Antonio, TX • First United Methodist Church, Asheville, NC •  
 First United Methodist Church, Des Moines, IA • First United Methodist Church,  
 Marshalltown, IA • First United Methodist Church, Mt. Vernon, IL • First Wesleyan  
 Church, Tuscaloosa, AL • Fourth Presbyterian Church, Chicago, IL • Good Shepard  
 Presbyterian Church, St. Louis, MO • Grace United Methodist Church, Baltimore,  
 MD • Greater Church of God, Jacksonville, FL • Holy Family Cathedral, Orange, CA  
 • Holy Family Church, Chicago, IL • Holy Trinity Cathedral, Long Island City, NY •  
 Holy Trinity Episcopal Church, Dallas, TX • Immaculate Conception Cathedral, St.  
 Louis, MO • Immanuel United Church, Neenah, WI



# Houses of Worship Lighting

A deft blend of artistry, practicality, and spirituality is required for the illumination of houses of worship. Unlike museums, stores, or theaters, these structures must accommodate a range of disparate activities, from brightly lit religious celebrations for whole congregations to intimate moments of private prayer. Lighting Services Inc is committed to providing lighting equipment specifically designed to satisfy the varied aesthetic and technical needs of churches, synagogues, and temples, including ambient lighting for naves, theatrical lighting for altars and chapels, and focal lighting to highlight architecture, symbolic statuary, and shrines. Specifiers rely on Lighting Services Inc to provide elegant design and ingenious engineering, as well as the highest quality products and personalized professional service. The following pages reveal a variety of distinguished houses of worship that illustrate the versatility and dependability of Lighting Services Inc's family of products.

**Cover**  
St. Joseph's Cathedral  
San Jose, California

**Lighting Design**  
Ross De Alessi

Photography: Jane Lutz



OLD SAINT PATRICK'S CHURCH  
CHICAGO, ILLINOIS





**"We had three main challenges: to provide ambient light for the nave and chancel, to illuminate the altar for audience and celebrant visibility, and to emphasize the architecture and art, particularly the exquisite Celtic stenciling on the ceiling and walls."**

**– Robert Shook, Lighting Designer**



**46 Series**

Old Saint Patrick's is the oldest church in Chicago, and as is common in historical buildings, it wasn't built to accommodate today's lighting requirements. The designer was faced with the challenge of coupling high-tech fittings and fixtures with the traditional architecture. The two-level ceiling provided the opportunity to conceal the fixtures – always an important consideration when blending old and new. Where concealment was impossible, Lighting Services Inc provided factory-painted fixtures that exactly matched the surrounding walls. Another key element in the lighting design was the dependability and longevity of lamps and fixtures. In addition to offering minimal mass and maximum flexibility in mounting, the 46 Series Low Voltage units use shielded filament and glare-free PAR36 lamps, which consume less power and generate less heat than standard voltage lamps. The 290 Series Spotlights are specifically designed for use with long-life PAR38 energy-conserving lamps, which greatly reduce power consumption and maintenance costs.

**"Our goal was to bring layers of illumination to areas of the historic structure that had never been lit before. We wanted to celebrate the architecture, and needed to provide several different, very specific types of focal lighting for liturgical functions."**

**– Ross De Alessi, Lighting Designer**



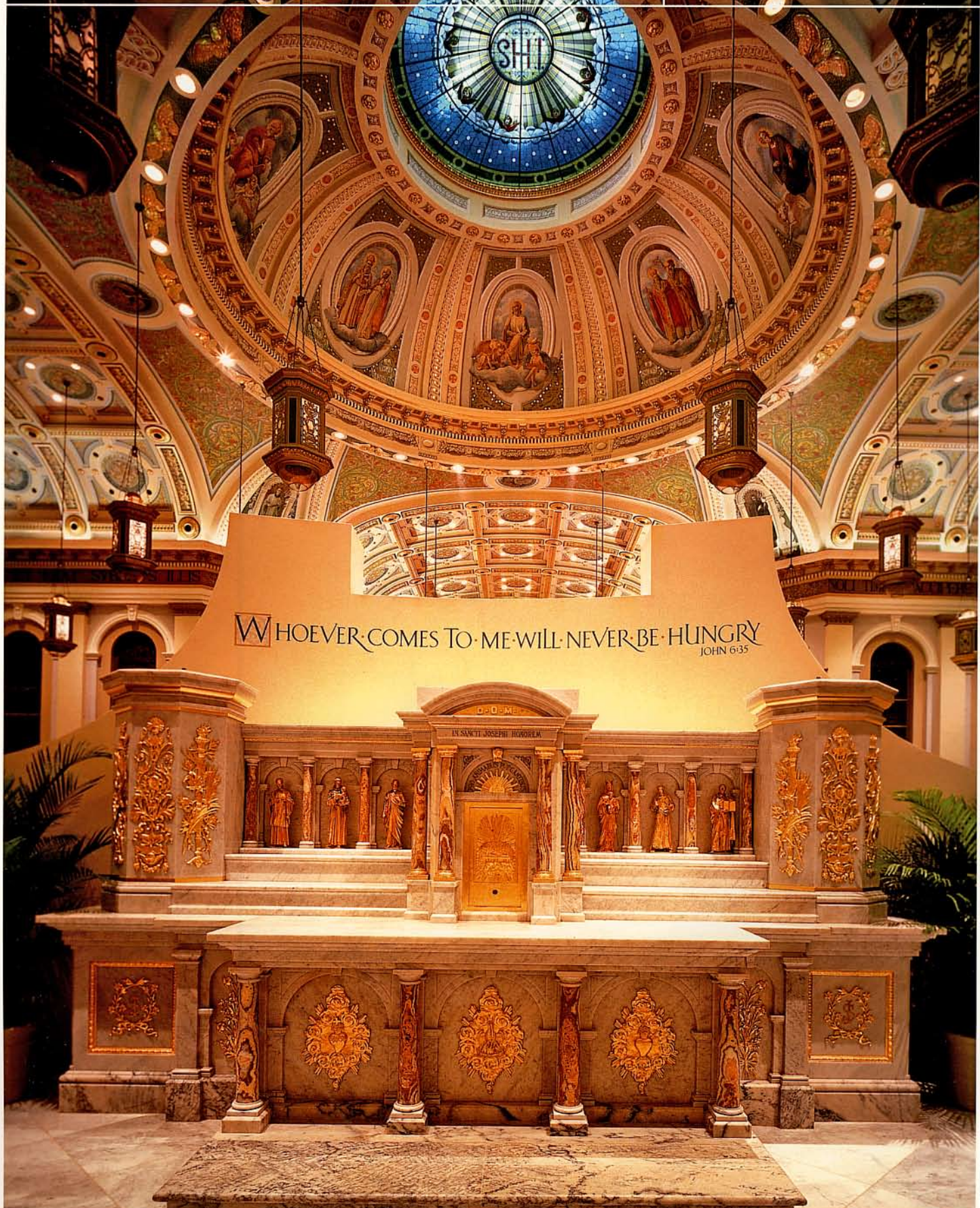
### **500 Series**

Originally lit only by a series of period chandeliers, this turn-of-the-century church was upgraded to cathedral status in honor of a Papal visit. The new designation required a grand new lighting scheme that not only venerated the architecture and sacred art, but also accommodated a liturgical calendar full of specialized masses and other rituals. Custom-designed lighting systems that illuminate the stations of the cross, the altar, and the tabernacle, are mounted in the attic above the sanctuary on a web of pipe brackets that support the 500 Series and 1000 Series Spotlights. Other LSI units are used as uplights in the crown molding to illuminate the highly detailed ceiling paintings, and powerful downlights are focused on the nave. The flexibility of the fixtures allows for precision placement of illumination, and the dependability of the hardware ensures proper beam alignment and the use of accessories for creating various lighting patterns.



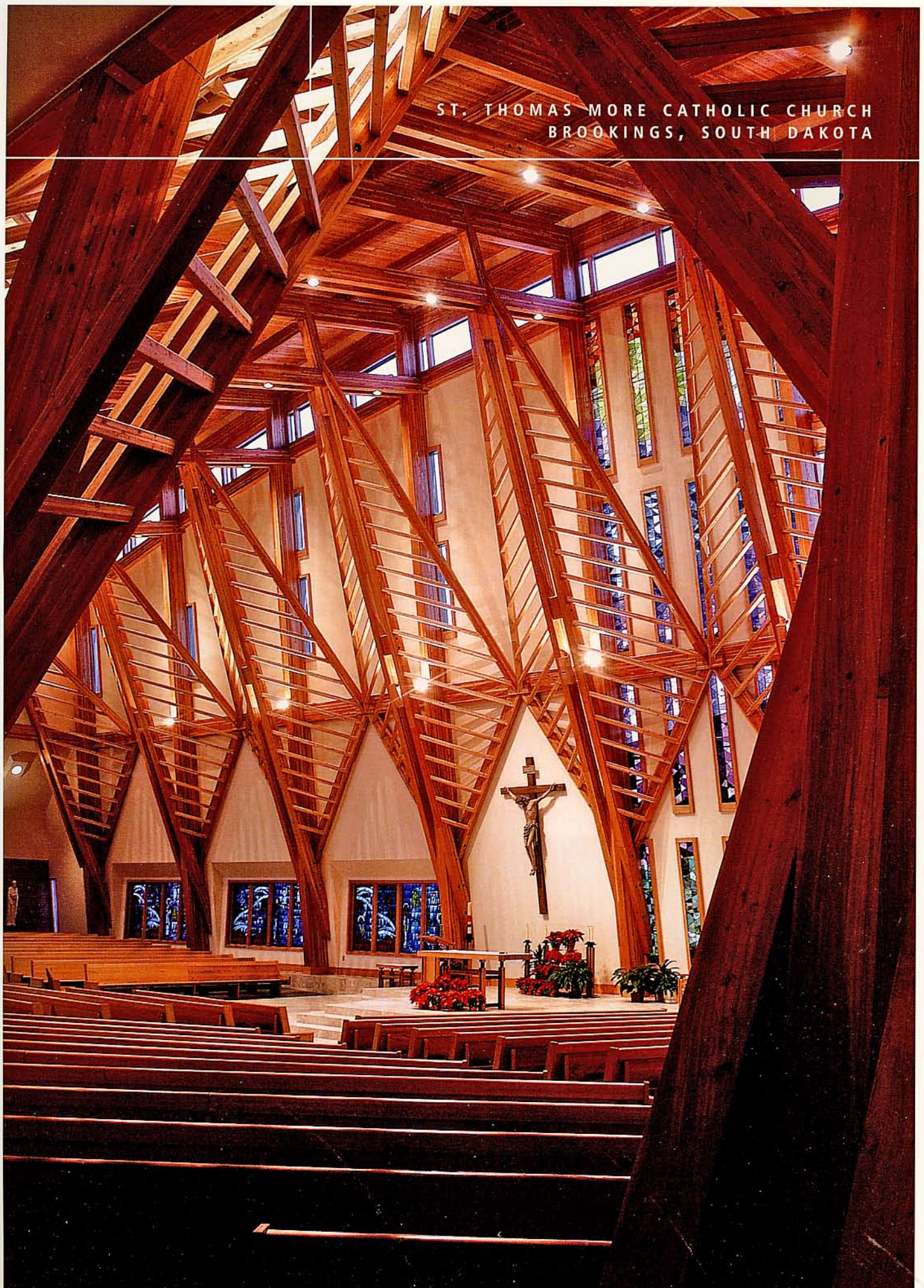
ST. JOSEPH'S CATHEDRAL  
SAN JOSE, CALIFORNIA

WHOEVER COMES TO ME WILL NEVER BE HUNGRY  
JOHN 6:35





ST. THOMAS MORE CATHOLIC CHURCH  
BROOKINGS, SOUTH DAKOTA





**"We wanted to create the illusion that illumination was coming from everywhere and nowhere in this boldly modern church. The all-over, incandescent glow complements the warmth of the wood and the towering architecture, and also helps invoke a feeling of awe in visitors."**

**– Helen Peterson, Lighting Designer**



**QM500  
Series**

Soaring and serene, the unadorned elegance of this contemporary church posed a deceptively simple challenge to the lighting designer. Fixtures needed to be invisible from the public areas of the church and provide enough illumination to bring the wood to life without generating excessive heat. Long lamp life was a necessity, as was a full range of dimming effects. The wooden webbing conceals LSI Tracks mounted with 300 and 500 Series Spotlights, which supply the requisite long and medium throws, along with high-intensity accent lighting. QM500 Series wide-angle Halogen Wall Washers provide seamless washes of white light to enhance the wood's natural glow from top to bottom, with dimmer control for achieving proper color and balance.



**"An innovative fiber optic application was needed to light the delicate workmanship – and precious contents – of the ambry."**

**– Allyn Vodicka, Lighting Designer**



**FOLC  
Recessed  
Spotlight**

**FOMH-150  
Series**

An ambry is a specialized container for storage and display of the holy oils used in the Catholic mass. To highlight the intrinsic beauty of the oil in the flasks while preserving it from heat damage, Fiber Optic Recessed Spotlights are concealed in the top of the structure. A FOMH-150 illuminator is installed in the floor beneath the ambry. This highly efficient, six thousand hour life Metal Halide lamp produces crisp, white light and creates a subtly lit, heat-free environment. The remote light source also allows for re-lamping without opening the ambry, which greatly eases maintenance concerns.

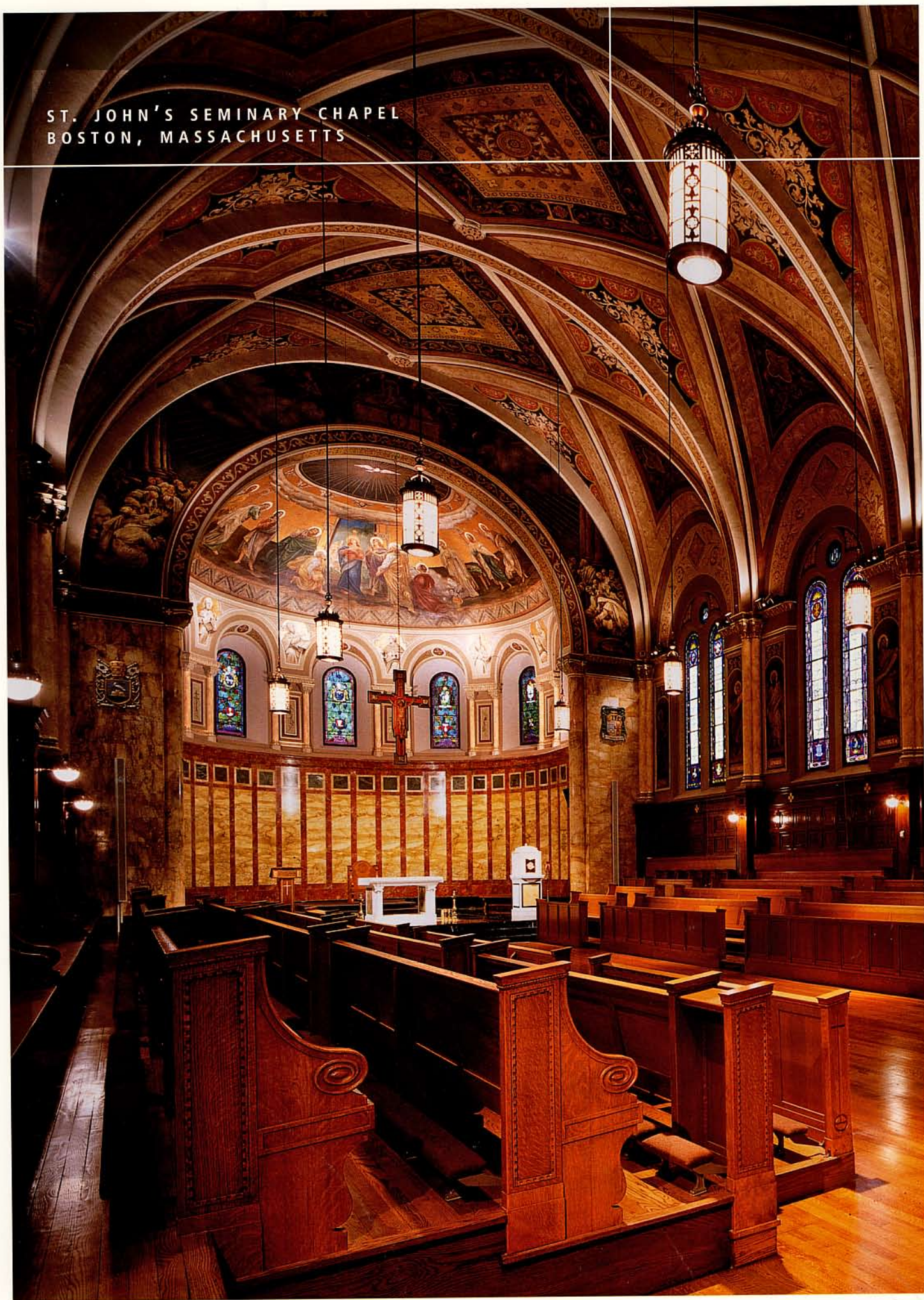


CATHEDRAL OF THE IMMACULATE CONCEPTION  
FT. WAYNE, INDIANA





ST. JOHN'S SEMINARY CHAPEL  
BOSTON, MASSACHUSETTS





**"Our goal was to exalt the magnificent ceiling frescoes and introduce liturgical accent lighting."**

**– Chris Ripman, Lighting Designer**



### **C16 Series**

Illumination of the richly embellished ceiling vaults of St. John's Seminary Chapel required the incorporation of graphite finish, multi-circuit Tracks mounted along the column capitals. C150 Series Cylinders used with a louver accessory provide medium and long-throw glare-free lighting, and the CP152 Series Cylinders coupled with 12V PAR36 lamps are ideal for highlighting the delicate detailing of the frescoes. The designer also included C16 Series Cylinders mounted with a range of low voltage MR16 Tungsten Halogen lamps, which provide excellent color rendition with the desired color temperature and glare-free illumination.



**"We searched for possibilities inherent in the architecture to design illumination that enhances the statuesque lines and serenity of the nave."**

**— Robert Shook, Lighting Designer**

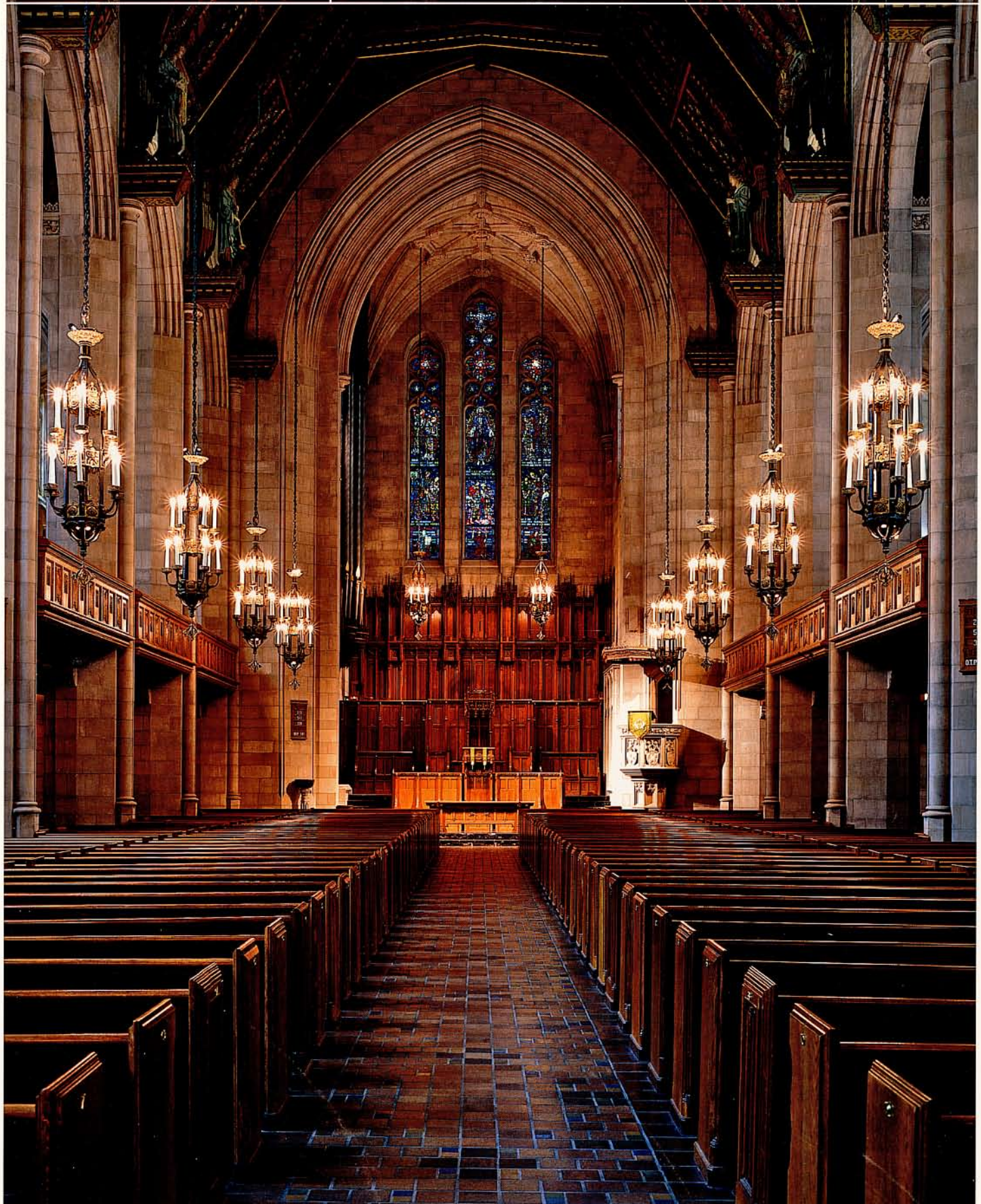


### **290 Series**

Ambient and focal lighting were needed to glorify the grand space of the sanctuary and direct the eye to the chancel of the Fourth Presbyterian Church in Chicago. The Lighting Services Inc Tracks that are vertically mounted on the architectural piers that flank the sanctuary are rigid enough to maintain their own structural integrity while supporting a variety of spotlights, including the 290 Series. Since these are available with full-wrench locking, they can be re-lamped without re-aiming, an important focusing and maintenance consideration. Additionally, accessories like louvers and hoods achieve glare-free illumination, which is crucial in church lighting designs.



FOURTH PRESBYTERIAN CHURCH  
CHICAGO, ILLINOIS





CISTERCIAN ABBEY CHURCH  
IRVING, TEXAS





**"The cornerstone of the Cistercian Order is austerity. My challenge was to highlight the exquisite simplicity of the architecture and emphasize the peaceful, meditative atmosphere it creates."**

**— Pamela Hull Wilson, Lighting Designer**



### **36 Series**

Its structure inspired by Cistercian monasteries in Hungary, where the order was created in the 11th century, the Cistercian Abbey Church possesses the rugged purity that marks its founders' faith. The understated lighting design is anchored by a combination of incandescent reflector downlights and Low Voltage PAR accent lights. The clerestory windows and the wooden ceiling are illuminated by Lighting Services Inc's Q400 Series, an extremely compact wide-angle Wall Washer, paired with efficient, self-cleaning, double-ended 100, 150, and 200 watt Tungsten Halogen lamps. Lighting Services Inc Tracks are mounted on one side of the ceiling beams and fitted with 36 Series Low Voltage fixtures to illuminate and accent the antique statuary, and 290 Series Spotlights with spot and flood lamps to wash the altar and nave with light.

#### **Lighting Design**

Pamela Hull Wilson,  
Pamela Hull Wilson Architectural Lighting Design

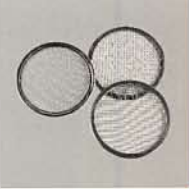





#### **Architect**

Cunningham Architects

Photography: James F. Wilson Photography



## Accessories

	<b>Light Blocking Screens</b>
	<b>Spread Lenses</b>
	<b>Integral Dimmers</b>
	<b>Color and UV Filters</b>
	<b>Hoods</b>
	<b>Louvers</b>

Light Blocking Screens can be used individually or in combination to mechanically reduce the intensity of light without changing the color temperature.

Spread Lenses modify existing lamp beam spreads. Light can be spread omnidirectionally or in one axis.

Integral Dimmers individually fine tune the light units continuously from off to full intensity, achieving the desired aesthetic and conservation light levels in addition to achieving longer lamp life.

Color Filters subtly or dramatically add color accents and can also warm or cool the space by changing color temperature of the lights. UV Filters eliminate the Ultra Violet light below  $400\pm 10$  nanometers to prevent deterioration and degradation of organic objects, textiles and works of art.

Hoods control unwanted spill light and glare by means of a nominal  $45^\circ$  cut off, and are available in open, cross baffle, and delta baffle configurations.

Louvers control unwanted spill light and glare by means of a nominal  $45^\circ$  cut off, and are available in hexcell and egg-crate configurations.



King of Glory Lutheran Church, Dallas, TX • Mother of God Church, Cleveland, OH  
 • Musee Marguerite-Bourgeoys, Montreal, QC • New Hope Church, Charlotte,  
 NC • Old St. Patrick's Church, Chicago, IL • Our Lady of Angels, Birmingham, AL •  
 Our Lady of Sorrows Church, Kansas City, MO • Our Savior Lutheran Church,  
 Omaha, NE • Sacred Heart Church, Cincinnati, OH • Seventh Day Baptist Church,  
 Houston, TX • St. Albert the Great Church, Austin, TX • St. Albert the Great  
 Church, Louisville, KY • St. Anthony of Padua Church, Cleveland, OH • St. Anthony's  
 Church, Buffalo, NY • St. Anthony's Church, Milwaukee, WI • St. Basil's  
 Catholic Church, Houston, TX • St. Bernadine of Siena Church, Los Angeles, CA •  
 St. Brendan's Church, Los Angeles, CA • St. Cecilia's Church, San Francisco, CA  
 • St. Francis Xavier's Church, Baltimore, MD • St. Gabriel's Church, Buffalo, NY •  
 St. Hubert's Catholic Church, Chanhassen, MN • St. Irene's Church, Carlisle, MA  
 • St. John's Church, New York, NY • St. John's Seminary Chapel, Boston, MA •  
 St. John the Baptist Church, Savannah, GA • St. Joseph's Cathedral, San Jose,  
 CA • St. Joseph's Catholic Church, Tampa, FL • St. Jude's Church, Indianapolis, IN  
 • St. Leandro Church of God, San Leandro, CA • St. Lucy's Church, Syracuse, NY •  
 St. Margaret Mary's Catholic Church, Winter Park, FL • St. Mark's, Indianapolis,  
 IN • St. Mary's Basilica, Phoenix, AZ • St. Mary's Church, Milwaukee, WI •  
 St. Odilia's Catholic Church, St. Paul, MN • St. Paul's Episcopal Church, Riverside,  
 CT • St. Peter & Paul's Church, Detroit, MI • St. Peter Claver Parish Church, Simi  
 Valley, CA • St. Agnes' Church, Springfield, IL • St. Peter's Church, Wichita, KS •  
 St. Raphael's Catholic Church, Rockville, MD • St. Rita's Church, Harahan, LA •  
 St. Rose's Church, Cleveland, OH • St. Stephen's Church, Buffalo, NY • St. Thomas  
 Aquinas Church, Dallas, TX • St. Thomas More Church, Brookings, SD • St. Vincent  
 De Paul Church, Houston, TX • Sylvania Baptist Church, Tyler, TX • Temple Israel,  
 White Plains, NY • Temple Reyim, Auburndale, MA • Trinity Episcopal Church,  
 Seattle, WA • Trinity Bible Church, Lafayette, LA • Woods Baptist Church, Tyler,  
 TX • Zumbro Lutheran Church, Rochester, MN



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