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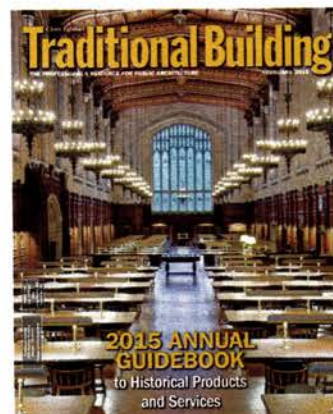
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Subscriptions & Subscriber Service: 800-548-0193
Traditional Building, P.O. Box 3000, Denville, NJ 07834-9965

Traditional Building (ISSN # 0898-0284) is published bi-monthly by Active Interest Media, 5720 Flatiron Parkway, Boulder, CO 80301.

Subscription rate to professionals in architecture, interior design, construction and landscape design in the U.S. and possessions: \$24.95/yr. (6 issues). Not available outside the U.S. postal system.

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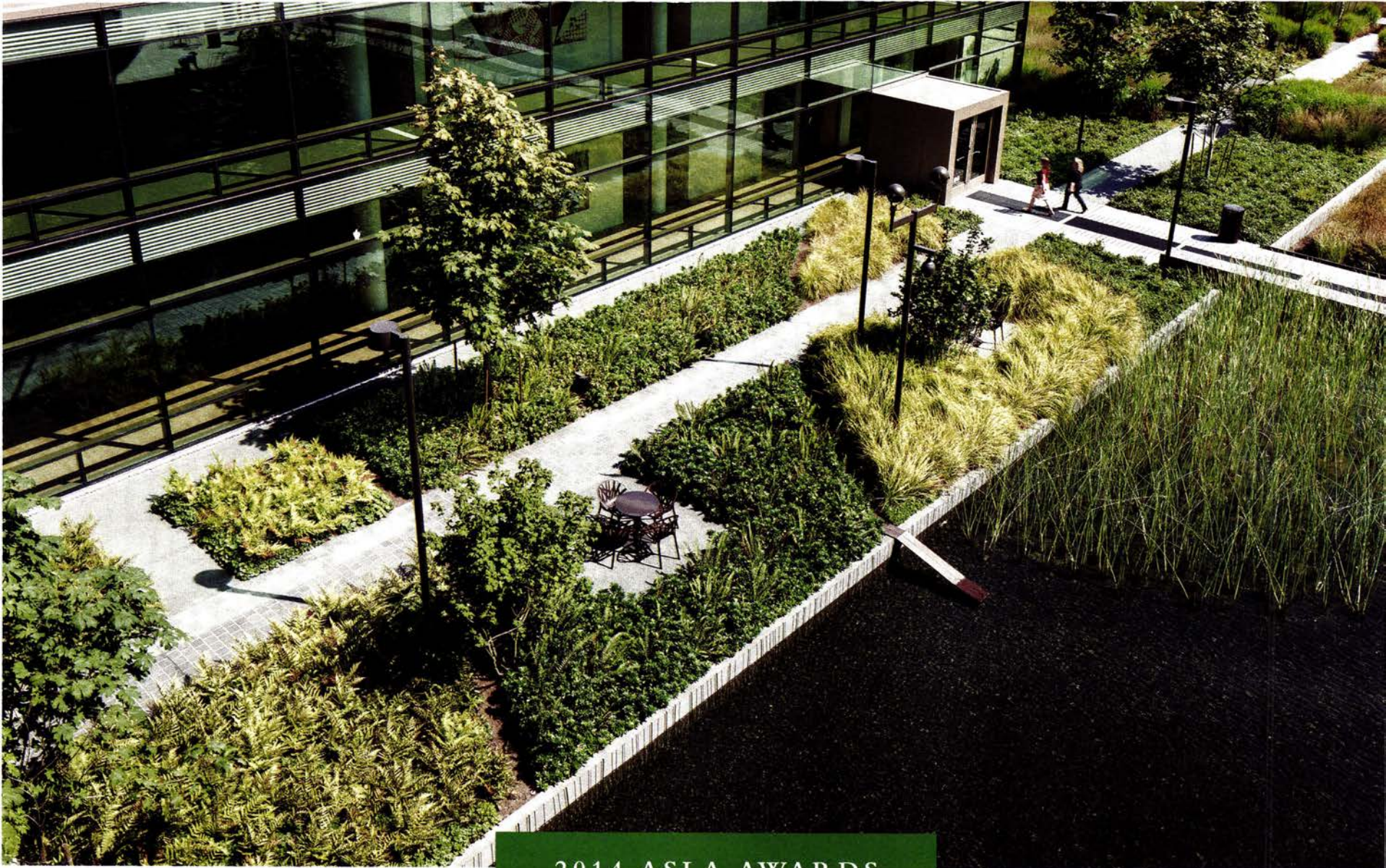
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2014 ASLA AWARDS

The Best of Landscape Architecture

The American Society of Landscape Architects (ASLA) has announced the 2014 Professional and Students Awards as well as the 2014 Honors Awards. **By Annabel Hsin**

The American Society of Landscape Architects (ASLA) has announced the 2014 Professional and Students Awards as well as the 2014 Honors Awards.

The annual Professional Awards honor the best in landscape architecture from around the world, while the Student Awards provide a glimpse into the future of the profession. Last year, 34 professionals were selected from more than 600 entries and another 21 student projects were picked from 500 entries representing 77 schools. They were named in eight categories: general design, residential design, analysis and planning, communications, research, the landmark award, community service and student collaboration.

The professional awards jury included: James Burnett, FASLA; Catherine Barner; Alain DeVergie, FASLA; Kona Gray, ASLA; David Hocker, ASLA; Keith LeBlanc, FASLA; Anne Raver; Jerry van Eyck, ASLA; and

Thaïsa Way, ASLA. For Student Awards the jury included: Gina Ford, ASLA; Rebecca Barnes, FAIA; Dennis Carmichael, FASLA; Sandra Y. Clinton, FASLA; Bernard Dahl, FASLA; Christian Gabriel, ASLA; Eric Kramer, ASLA; Willett Moss, ASLA; and Brian Sawyer, ASLA. The 2014 awards program was sponsored by Victor Stanley.

The 2014 winners for the Professional Awards general design category were:

Award of Excellence

Gustafson Guthrie Nichol of Seattle, WA, won Award of Excellence for its Bill & Melinda Gates Foundation Campus project, also in Seattle. The project team successfully transformed a contaminated 12-acre parking lot located at the heart of the city into an ecological and sustainable social gathering space. "It's beautifully crafted, elegantly detailed and serves as a new model for an urban campus... It has altered the way employees interact with the space," says the 2014 Awards jury.

ABOVE: The design of the Bill and Melinda Gates Foundation Campus in Seattle, WA, used natural textures of salvaged and domestically sourced paving stones to create the illusion of thick, dark earth underfoot when the site is actually over structure. Photo: ASLA recipient Bill and Melinda Gates Foundation Campus by Gustafson Guthrie Nichol, photo by Sean Airhart

Honor Awards

Turenscape of Beijing, China, was named for an honor award for its Slow Down: Liupanshui Minghu Wetland Park project in the Guizhou Province of China. The firm was tasked with developing a strategy that addressed water pollution, flood and storm-water inundation, recovery of the mother river and creating a public space for recreation. "It just doesn't look like a wetland... You can tell they're actually cleaning the water with the design," the jurors said.

Gebran Tueni Memorial, designed by Vladimir Djurovic Landscape Architecture of Broumana, Lebanon, is both a tribute to the journalist and



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an open space marking the entrance of Beirut, Lebanon's newly rebuilt Central District. "What is compelling is how it fits into the urban context," says the jury. "You would walk upon this and know that you are in a different space because of the way it's detailed."

Segment 5 of Hudson River Park in New York City was designed to be a resourceful and resilient space to serve the formerly park-less Chelsea neighborhood. It weathered Superstorm Sandy unscathed and is a successful model for hurricane resilience and climate change adaptation. "It's a wonderful place to be," the jurors said of the project designed by Brooklyn, NY-based Michael Van Valkenburgh Associates, Inc.

WagnerHodgson Landscape Architecture of Burlington, VT, designed a new 525 Marsh Hall for Salem State University in Massachusetts that reconnects the campus to an adjacent tidal marsh while creating recreational space and improved drainage. It received an honor award for its "detailed bioswale," says the jury, "[it] is well-executed and integrates nicely into the overall design."

The design of Urban Outfitters Headquarters at the Philadelphia Navy Yard, by D.I.R.T.

Studio of Charlottesville, VA, respects the rich histories of the Navy Yard and obsessively reworks salvaged materials in the design. The private venture has since become an extension to the public realm and is the poster child of industrial redevelopment. "They've captured the spirit of the place with the detailing and pushed the practice of what it means to recycle materials," the jurors said.

Laurance S. Rockefeller Preserve, designed by Hershberger Design of Jackson Hole, WY, in Grand Teton National Park, WY, was given an honor award and it was also the first project within a National Park to achieve LEED Platinum standard. "The project includes beautiful materials that fit within the landscape," says the jury. "It's inviting. It gets you close to nature."

The design goal of the Hunter's Point South Waterfront Park in Queens, NY, was to create a sustainable strategy that weaves infrastructure, landscape and architecture. Designed by New York City-firms Thomas Balsey Associates and Weiss/Manfredi, the Awards jury said the project was "successful before it was even built. The array of experiences made available in the plan are varied and different and it works well together."

ABOVE: Inspired by farming practices of planting rice, the design of Slow Down: Liupanshui Minghu Wetland Park, by Turenscape, located in Guizhou Province, China, utilized terraced wetlands to slow and retain rainwater on steep slopes. Photo: ASLA recipient Slow Down: Liupanshui Minghu Wetland Park by Turenscape, photo by Kongjian YU

The Low Maintenance Eco-Campus: Vanke Research Center in Shenzhen, China, designed by Shanghai, China-based Z + T Studio, Landscape Architecture, received an honor award because "the designers were able to create a roof garden for stormwater quality control – every square inch has this green roof and on-site filtration running," the jurors said.

Shoemaker Green is a new 2.75-acre public green space for University of Pennsylvania's historic athletics precinct. "This beautifully detailed design is remarkable for its ability on a central quad to combine green lawn space with rain gardens and systems, which are incredibly hard to merge," the jurors said of the project designed by Andropogon Associated Ltd. of Philadelphia, PA.

For additional award recipients and project information, visit <http://www.asla.org/2014awards/index.html>. See *Period Homes*, January, 2015, page 6, for highlights of the residential category.



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LEFT: The Gebran Tueni Memorial in Beirut, Lebanon, designed by Vladimir Djorovic Landscape Architecture, features a strip of granite with engraving and seating benches. Photo: ASLA recipient Gebran Tueni Memorial by Vladimir Djorovic Landscape Architecture, photo by Matteo Piazza, Lola Claeys Bouuaert

RIGHT: Richard Bell, FASLA, is recipient of the 2014 ASLA Medal, the award is the Society's highest honor for landscape architects. Photo: courtesy of ASLA

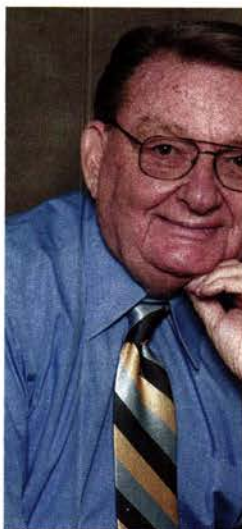
2014 Honor Awards

The Honors Awards represent the highest awards ASLA presents each year; its recipients are selected by the ASLA's Board of Trustees.

The ASLA Medal, the Society's highest honor given to a landscape architect, was awarded to Richard Bell, FASLA. He was sited for expanding Modernism in landscape architecture to the Southeast as well as bringing an entire generation of young people in practice.

Additional Medal recipients include Andrea Cochran, FASLA, for the ASLA Design Medal; William Tishler, FASLA, for the Jot D. Carpenter Teaching Medal; Ramiro Villalvazo, ASLA, for the LaGasse Medal – Landscape Architect; Will Rogers for the LaGasse Medal – Non-Landscape Architect; Adrian Benepe, Hon. ASLA, for the Olmsted Medal; Friends of the High Line for the Medal of Excellence; Oehme van Sweden for the Landscape Architecture Firm Award; and William Flournov, FASLA, for the Community Service Award.

The 2014 Honorary Members, the highest honor ASLA bestows upon non-landscape architects, are Mary Alice Lee, Trust for Public Land; Holly Leicht, U.S. Department of Housing and Urban Development; Arleyn Levec; U.S. Representative Tom Petri, Wisconsin; U.S. Representative David Price, North Carolina; and Kerry S. Pé, Barataria-Terrebonne National Estuary Program. To date, ASLA has inducted only 162 honorary members since its inception in 1899.



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David M. Schwarz is Laureate

Henry Hope Reed Award Goes to Dr. Richard J. Jackson.



ABOVE: David M. Schwarz **RIGHT:** Dr. Richard J. Jackson
BOTTOM: One of the many public projects designed by David M. Schwarz, the Texas Rangers ballpark in Arlington, TX, combines historic and traditional forms in novel combinations.
Photo: David M. Schwarz Architects



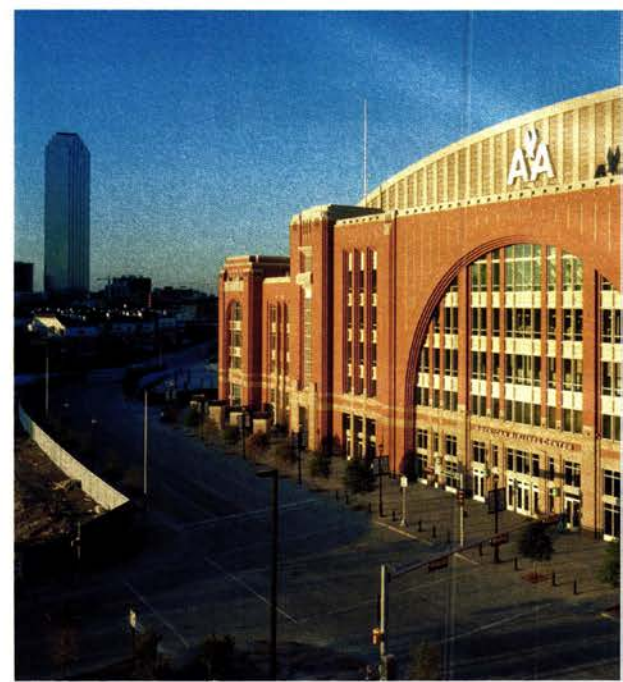
David M. Schwarz, president and CEO of David M. Schwarz Architects, Inc., which he founded in 1965 in Washington, DC, has been named the recipient of the 2015 Richard H. Driehaus Prize from the University of Notre Dame. He will be awarded the \$200,000 prize at a ceremony in Chicago on March 21.

At the same time, the Henry Hope Reed Award of \$50,000 will be given to Dr. Richard J. Jackson, renowned environmental health expert. It is given to an individual outside of architecture who has supported the cultivation of the traditional city, architecture and art.

"Celebrating those who make substantive contributions to classical architecture in the modern world is essential to expanding the ideals of traditional and sustainable urbanism in contemporary life," said Richard H. Driehaus, founder, chairman and chief investment officer of Chicago-based Driehaus Capital Management LLC. "Therefore I am pleased with the selection of David Schwarz as the 2015 Richard H. Driehaus Prize laureate. His work has demonstrated how architecture can contribute to the creation of dynamic and strong communities."

Michael Lykoudis, Driehaus Prize jury chair and Francis and Kathleen Rooney Dean of Notre Dame's School of Architecture, added: "David Schwarz has succeeded in establishing a renewed and spirited dialogue about the nature of architecture and urbanism in the post-war period. He has woven traditional principles with modernity throughout various scales and building types that characterize our contemporary world. His approach to significant commercial and institutional buildings as well as urban design indicates his sensitivity to how buildings' characters contribute to a sense of place. His firm's designs for large buildings usually thought of as the domain of engineers – such as sports arenas and stadiums – illustrate how classical, traditional and modern languages of architecture can be used to re-imagine the scale of these very large structures and successfully connect them to their communities."

Dr. Jackson currently serves as professor of environmental health at the University of California at the Los Angeles School of Public Health. He is also co-author of *Urban Sprawl and Public Health: Designing, Planning, and Building for Healthy Communities*, published in 2004, and has lectured widely on environments that promote exercise, health and socialization.



ABOVE: The American Airlines Center in Dallas, TX, is the centerpiece of a 70-acre development. It hosts more than 250 sporting and entertainment events each year. Photo: David M. Schwarz Architects

"I welcome the recognition of Dr. Richard J. Jackson as the recipient of the 2015 Henry Hope Reed Award," said Driehaus. "His research into the health advantages conferred by walkable environments emphasizes the overall importance of traditional and sustainable urban design."

The Driehaus Prize was established in 2003 to honor the lifetime contributions to traditional, classical and sustainable architecture and urbanism in the modern world. Previous laureates include Pier Carlo Bontempi in 2014, Thomas H. Beeby, Michael Graves, Robert A.M. Stern, Rafael Manzano Martos, Abdel-Wahed El-Wakil, Andrés Duany and Elizabeth Plater-Zyberk, Jaquelin T. Robertson, Allan Greenberg, Quinlan Terry, Demetri Porphyrios and Léon Krier in 2003.

This year's jury for the Driehaus Prize and the Henry Hope Reed Award included Adele Chatfield-Taylor, president emerita of the American Academy in Rome; Robert Davis, developer and founder of Seaside, FL; Paul Goldberger, contributing editor at *Vanity Fair*; Léon Krier, architect and urban planner; Demetri Porphyrios, principal of Porphyrios Associates; and Witold Rybczynski, Meyerson Professor Emeritus of Urbanism at the University of Pennsylvania.



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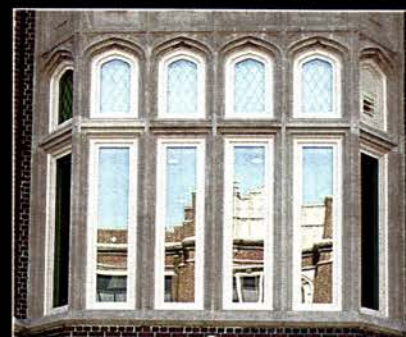
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Ball and Ball repaired and refinished this original fixture on a New York City apartment building. After rewiring it, the company installed LED lamping in the owner-sourced glass globes. Photo: Bill Ball

Lighting History's Future

The idea of historic lighting traditionally has been to recreate the look and illumination of the antique to enhance the vintage ambience. This precept is coming under scrutiny as the world embraces energy efficiency, and new compromises and solutions are coming to light as this century converts fixtures to light-emitting diodes or LEDs.

Manufacturers of period-style lighting fixtures for interior and exterior spaces will, at some point, be forced to change with the times. Government regulation has already ended the production of some types of incandescent lamps, and many projects, including federal and commercial buildings, now seek or even mandate LEED certification, whose sustainable point system is weighted toward green-bulb solutions.

"Eighty to 90% of the customers who come to us are asking for energy-efficient lighting," says Patrick Daley, CEO of Crenshaw

Lighting, the Floyd, VA-based firm that for more than a half century has been manufacturing high-quality custom and historic lighting. "While there might be resistance to the idea, we don't see it. If anything, the enthusiasm to adopt new LED technology represents a major trend shaping the entire lighting industry."

In fact, he adds, it often is the impetus for restoration projects. "While the decorative historic lighting package is not always required to bear the full burden of a building's energy budget," he says, "energy-efficient lamping can often easily be incorporated into traditional designs to reduce overall energy consumption."

While a few purists may hold out for original period lamps in historic home restorations or museums, Daley points out that a talented lighting designer who balances the issues of historic integrity, aesthetics, energy efficiency, performance and maintenance can come up with apt solutions that seamlessly blend the old and new.

Historically, manufacturers have always had to follow the leading light of technology. Candlelight fixtures were snuffed out by oil and gas lamps and finally by electricity, whose advent was celebrated by elevating Edison's bare incandescent bulb to a design icon. Vintage hybrid fixtures (think, for example, of Victorian chandeliers that fused gas and electricity) presented creative challenges and opportunities to move and improve the past long before energy efficiency was part of the design equation.

"The sea change from incandescent lamping in the 20th century was the use of fluorescent lamping," says Gary Behm, IES, president of St. Louis Antique Lighting Co., a custom manufacturer in St. Louis, MO, that has specialized in the restoration and replication of historic fixtures since 1973. "Compact fluorescent lamps use about one-fourth the amount of energy to produce the same amount of light as an incandescent lamp. In the 21st century, the

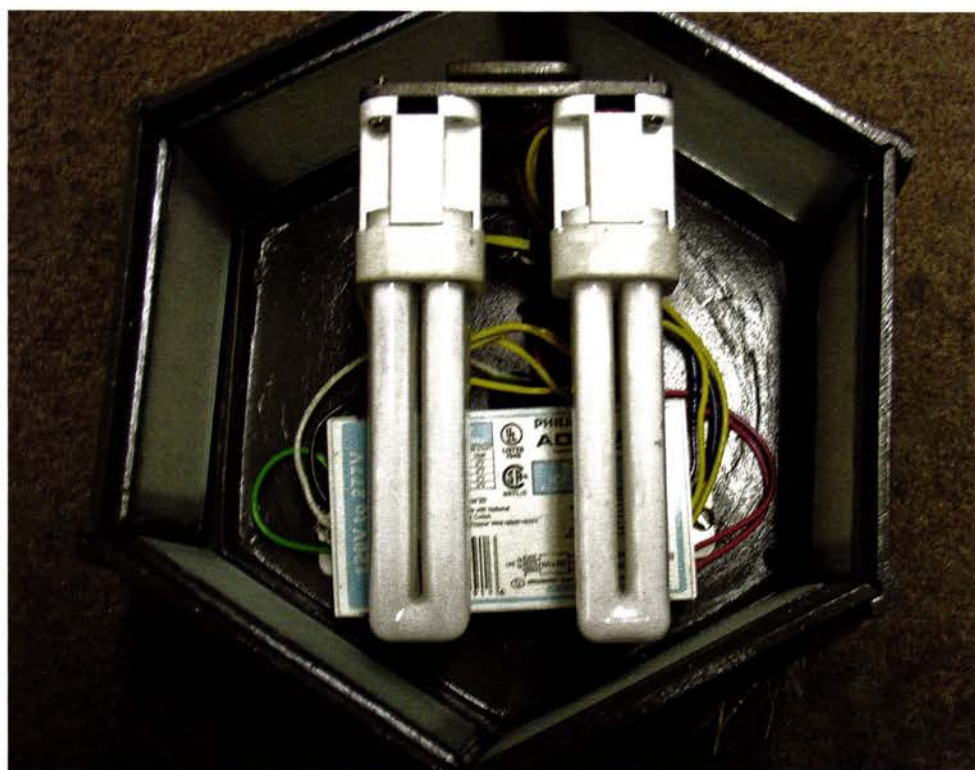
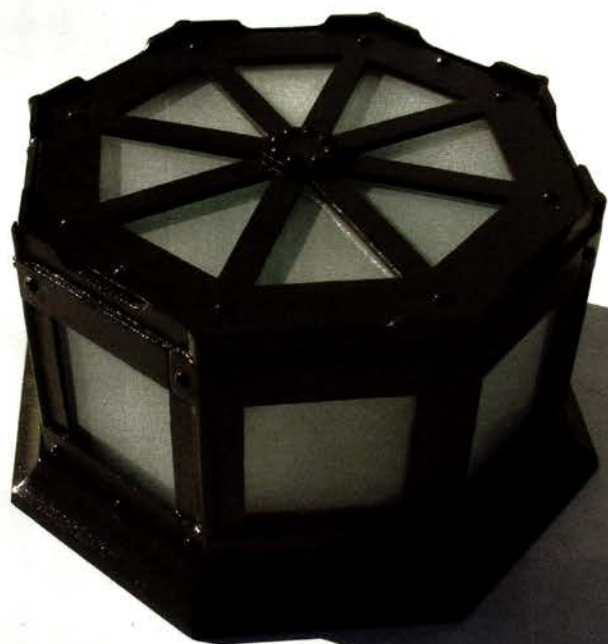


At the William W. Cook Legal Library Reading Room at the University of Michigan, Crenshaw Lighting raised ambient light levels by cleaning and restoring the ceilings and walls to improve reflectance. In addition, concealed utility uplighting was installed to wash the walls with light and highlight the Gothic ceiling. While efficiency and performance were improved wherever possible through updated four-pin compact fluorescent lamping, the chandeliers retained their original incandescent design and extended lamp life by operating at half power using a daylight-sensitive dimming controls system. Photo: Curt Clayton



LEFT: St. Louis Antique Lighting Co. made bronze standards that have aimable Traxon programmable LED uplights with Osram chain module LEDs for the inside of the marble bowls for a project at the Central Library of St. Louis in Missouri. Photo: Ann Marie Behm

BELOW: In some cases, such as this fixture from Herwig Lighting, ballast kits are the answer. Photos: Herwig Lighting



sea change is the use of light-emitting diodes or LEDs, which has revolutionized the lighting industry to the point that nearly all lighting applications from your car headlights to retrofit incandescent replica lamps are available at any hardware store."

Retrofitting, he says, is not much of a technological issue: The LED lamps screw into the existing sockets and are designed for 360-degree light distribution or a simple wide distribution pattern.

Cutting-edge LED technology itself has not remained static; it has undergone a recent transformation that has had a pervasive impact on the industry.

"In 2014 and 2015, the move has been to board and driver LED solutions," says Daley. "It is very different from LED screw-in lamps, which work with incandescent fixtures and are referred to as 'LED replacement lamps.' It is created by combining LED boards or modules with drivers in an integrated assembly. The boards come in a variety of formats, including chip-on-board or COB."

Donald Wynn, president of Russellville, AR-based Herwig Lighting, which has been creating custom fixtures since 1908, says that ballast kits are another popular option. The company, he adds, is testing LED kits.

But for experts working on historic-lighting projects, it's not always as simple as screwing in compact fluorescent or LEDs into the same sockets as incandescents.

"There are times when this is not an option," says Bill Ball, owner of Ball and Ball, a family-run business established in 1932 and located in Exton, PA. "In those cases, sometimes owners have to decide what is more important, aesthetics of the fixture or efficiency of the light source."

Behm agrees, adding that "applications become more challenging when we try to use more complex ballast systems for compact fluorescent or LED modules with drivers and heat sinks. Designing the system to fit inside the mechanical structures of period fixtures or trying to get more light output from them than they were originally designed to produce can

be an engineering challenge."

Ball and Ball has produced fixtures using compact fluorescent and LED lamping. "However, the type of fixture we produce most often has exposed lamps," Ball says, "and the options for these types of fixtures are fewer. The LED candelabra base lamps are getting better, but still to my eye the light is not the correct color."

But Daley says that for fixture styles like bare lamp candle-style chandeliers that typically can only accommodate traditional screw-base incandescent lamps, energy efficiency is not much of an issue anyway.

"In most buildings, these decorative fixtures do not take up a significant portion of the energy budget, and using LED replacement lamps usually solves the problem," he says. "In rare cases where unique aesthetic issues mandate retaining decorative incandescent lamping, other measures such as dimming to half-power can mediate this limitation by increasing lamp life significantly."

Lamp life is key to any discussion of energy





OPPOSITE: The Crenshaw Lighting project for the John Hay Library at Brown University features historic-inspired new custom chip-on-board (COB) LED reflector bowl pendants, stack lights and table lamps. The bowls are fitted with a highly engineered COB LED system that delivers 40,000 lumens in aimable uplighting. The slim, low-profile stack lights produce 1,200 lumens per linear foot with LED board and driver technology. Photo: Warren Jagger

LEFT: St. Louis Antique Lighting Co. gave an old glow to a cast-iron urn-style pendant light it supplied for the Senate Annex of the Missouri State Capitol in Jefferson City. The fixture, pictured at "full bright," has nine Cree retrofit 16.5-watt LED lamps. Each lamp is equivalent to the lumen output of a 100-watt incandescent bulb. Photo: Angie Geist Gaebler

savings. "Using a lamp with high lumen output and low energy is not very efficient if it needs to be replaced every 1,000 hours like many of the incandescent lamps did," Behm says. "Typical compact fluorescents last 10,000 hours, and many LEDs last 50,000 hours. Induction lighting, a fluorescent source, is commonly rated at 100,000 hours."

As Ball sees it, not all compromises are equal. "Most often reproduction and custom lighting are used as effect lighting," he says. "It doesn't create the desired effect if it looks wrong. These fixtures also are typically used in conjunction with numerous space lighting and as such a few fixtures aren't going to affect in any great way the efficiency. My two cents is if the fixtures are intended to mimic a historical fixture and the intended use is to create that effect, then the correct light source may still be old school."

One of the greater challenges in creating energy-efficient lighting in historic buildings involves syncing the illumination with modern standards.

"In addition to lowering energy usage in existing fixtures, we are frequently asked to raise light output to brighter, more contemporary levels by pushing increased light output from fixtures that were never designed for the levels needed to brighten the space to modern standards," Daley says. "This often results in harsh glares and imbalanced lighting effects and can make the difference between an award-winning light restoration and one that simply satisfies LEED requirements but sacrifices beauty and function."

Crenshaw's solution often includes retrofitting historic fixtures with concealed uplights and adding supplemental utility lighting.

Recreating the soft, warm glow of candlelight, gaslight and early incandescent lamps with the new technology requires careful planning and design. "We take great care to eliminate undesirable lamping effects such as hot spots and ballast or driver housings that mar the original profiles of a fixture," Daley says. "This is done through

digital modeling, mockups in our production facility, experimentation with lamp placement, lens diffuser materials, internal reflectors and other strategies for fine-tuning aesthetic results."

Color matching also is a key concern. "This requires the use of light-producing devices that match the color, which is measured in degrees Kelvin, of the original lamps," Behm says. "Typically, we provide compact fluorescent or LED lamps with a color temperature of 2700K to 3000K, commonly referred to as a 'warm white' color. Incandescent lighting environments are even lower color temperatures, more in the 2400K range, and have a warm yellow glow."

Ball says that as LED technology advances, color correction will be easier to achieve. "I see a market that has not fully responded to our needs," he says. "When a good-looking exterior-shape LED lamp that has a more correct light color temperature is available in candelabra base and Edison base, then I think the market has responded. They are getting better, but to my eye, they are not yet ready for use as replacements of incandescent lamps that are a naked exposed lamp that is replicating a candle."

If there is a learning curve for historic lighting manufacturers, there is an even higher one for architects and designers. "We recommend that they get a qualified historic lighting manufacturer involved in the planning as early as possible," Daley says. "This allows for a more seamless design process for resolving design and technology challenges and developing strategies for integrating beautiful, updated lighting."

Twenty-first century technology is changing at a rapid rate, so it is important to make the right choices. "Use lighting and lamp products that are time proven, usually ones that have been out for a couple of years at least," Behm says. "Use the least complex and most cost-efficient solution for the application, but know that the end result must make Mona Lisa smile."

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TRADITIONAL BUILDING CONFERENCE SERIES

First Conference Focuses on Historic Windows

The 2015 Traditional Building Conference Series kicks off April 28-29 in Boston with the third National Windows Conference. Produced in collaboration with the National Park Service, the theme is Windows: Materials, Methods and Jobs.

"Windows are important character-defining features of buildings but when they suffer from neglect and lack of maintenance, they present significant challenges for rehabilitation including cost, detailing and return on investment," said Judy Hayward, education director for the conference program.

"We will examine wood, steel, aluminum and bronze as we move further into preservation of 20th-century materials," says Hayward. "Window work, from restoration of old windows to the design and installation of new windows, generates jobs and serves as an important economic engine within the construction world. The two-day conference will feature demonstrations, discussions and direction about working with windows – historic, old and new, traditional and mid-century modern."

In addition to the Boston conference, three other Traditional Building conferences are scheduled for this year: July 21-22 in Princeton, NJ; October 6-7 in Denver, CO; and December 1-2 in Durham, NC. "This year's theme is Materials, Methods and Jobs," says Hayward, "with a focus on practical, hands-on and how-to information. The focus on jobs will address the capacity of traditional building and historic preservation to serve as generators of employment and to examine the practical aspects of managing jobs at historic sites and for traditional new construction."

This year's program also includes online webinars. The next one will be on "Historic Clay Roof Tile: Why and How to Use it Successfully" and will feature Tab Colbert, CEO, Ludowici Roof Tiles of Lexington, OH. It will be held Tuesday, March 24, 2-3:30 pm ET.

For more information on the conference program and webinars, go to www.traditionalbuilding-show.com.



Student begins the process of reglazing a window in a Wooden Window Repair Methods course offered by the Preservation Education Institute in Windsor, VT (www.preservationworks.org). Join us for a panel discussion by members of the New England Window Restoration Alliance on Best Practices in Wooden Window Repair at the Traditional Building Conference Series Window Conference, April 28-29, 2015 in Boston. Photo: Judy L. Hayward

The following is the schedule for the April conference in Boston:

Tuesday, April 28, 2015

8-9 am – Registration, Networking and Continental Breakfast

9-9:15 am – Welcome and Introductions

9:15-10:15 am – TB1001, How Industry Revolutionized Window Design and Construction

Speaker: Sally Fishburn, carpenter and historian, S.A. Fishburn, Inc., Danville, VT. 1 AIA HSW Learning Unit.

This lecture will cover how window construction, design and style were the product of our industrial heritage by bringing together a history of industrialization and how that influenced window construction. The speaker will consider materials including wood, glass and paint, along with the finer architectural details in the window units such as single vs. double-hung units, balance systems and hardware.

10:15-10:30 am – Break

10:30 am-12:30 pm – TB1701, Windows: Assessments, Testing and Evaluation: The Lab, the Field and the Job Site

Speakers: Frank Shirley and Jarod Galvin, Frank Shirley Architects, Cambridge, MA; Anthony Cinnamon, architect, Wiss Janney Elstner, Chicago, IL; and others. 2 AIA HSW Learning Units.

Getting good verifiable data to document the performance of windows whether new or old is an important ethical consideration when advising clients about energy efficiency, climate response and durability. This session will provide an examination of contemporary standards, field testing and laboratory analysis of windows.

12:30-1:30 pm – Lunch

1:30-3 pm – TBC142, Trends in Wood Window Design and Manufacture

Speakers: Marvin Windows and Doors, Warroad, MN; Andrew Keefe, Green Mountain Windows, Rutland, VT; and others. 1.5 AIA HSW Learning Units.

This session will feature brief presentations by leading manufacturers of wood windows on design matters, hardware, energy and code requirements, regulatory issues and commercial pressures that drive the industry today. A Q&A session will follow the presentations.

3-3:30 pm – Break

3:30-5 pm – TBC143, Bronze, Steel and Aluminum Windows: History, Repair and Fabrication

Speakers: James Turner, Turner Restoration, Detroit, MI; Kurtis Suellentrop, Winco Windows Corp, St. Louis, MO; and others. 1.5 AIA HSW Learning Units.

Metal windows are an important part of the history of windows, particularly when working on late 19th- and 20th-century historic preservation projects. When it comes to new, traditionally inspired work – whether residential, commercial or institutional, metal windows have many advantages. Join a team of industry leaders for their insights on repair, replacement, substitute materials and installation and maintenance.

5-6 pm – Networking Reception

Wednesday, April 29, 2015

8-9 am – Registration, Networking and Continental Breakfast

9-9:15 am – Welcome and Introductions

9:15-10:45 am – TBC141, Wooden Window Repair Techniques: Selected Best Practices

Speakers: Andy Roeper, Winn Mountain Restorations, Lyndeborough, NH; and others. 1.5 AIA HSW Learning Units.

After project design, planning and production, the success or failure of any window project rests in the hands of the carpenters, glaziers, fabricators, artisans and painters who finish the job. Join a team of America's leading tradespeople for an informative discussion of their best practices to restore, repair and maintain historic windows. They will share their insights in brief presentations on topics such as material selection, repair methods, putty, glazing removal and installation, weather stripping, painting and reinstallation of sash and frames.

10:45-11:15 am – Break

11:15 am-12:45 pm – TB1702, Storm Windows: Durability, Efficiency and Noise Reduction

Speakers: David Martin, Allied Window, Cincinnati, OH; Jim Nelson, Mon-Ray, Minneapolis, MN; and others. 1.5 AIA HSW Learning Units.

Storm windows have been a traditional approach to protecting primary windows and improving the ability of buildings to hold heat since the 19th century in the U.S. As noise levels have risen from traffic and people in dense urban environments, they have increasingly been used to aid noise reduction as well. A panel of industry experts will delve into the variety of approaches to storm window design.

12:45-1:45 pm – Lunch

1:45-2:45 pm – TB1703, Managing Historic and Traditional Window Projects: Context, Costs and Credits

Speakers: TBA. 1 AIA HSW Learning Unit.

Preservation projects and new-construction projects built in traditional ways are constrained by the same kinds of financial and managerial realities. Historic materials, historical precedence and aesthetics are all important but they are balanced against completing the work on time, within budget, and above all, safety, for those on the job and occupants of the property. This course will cover important considerations for window work regarding research, historical context, project management, budgets and specific safety concerns for window repair.

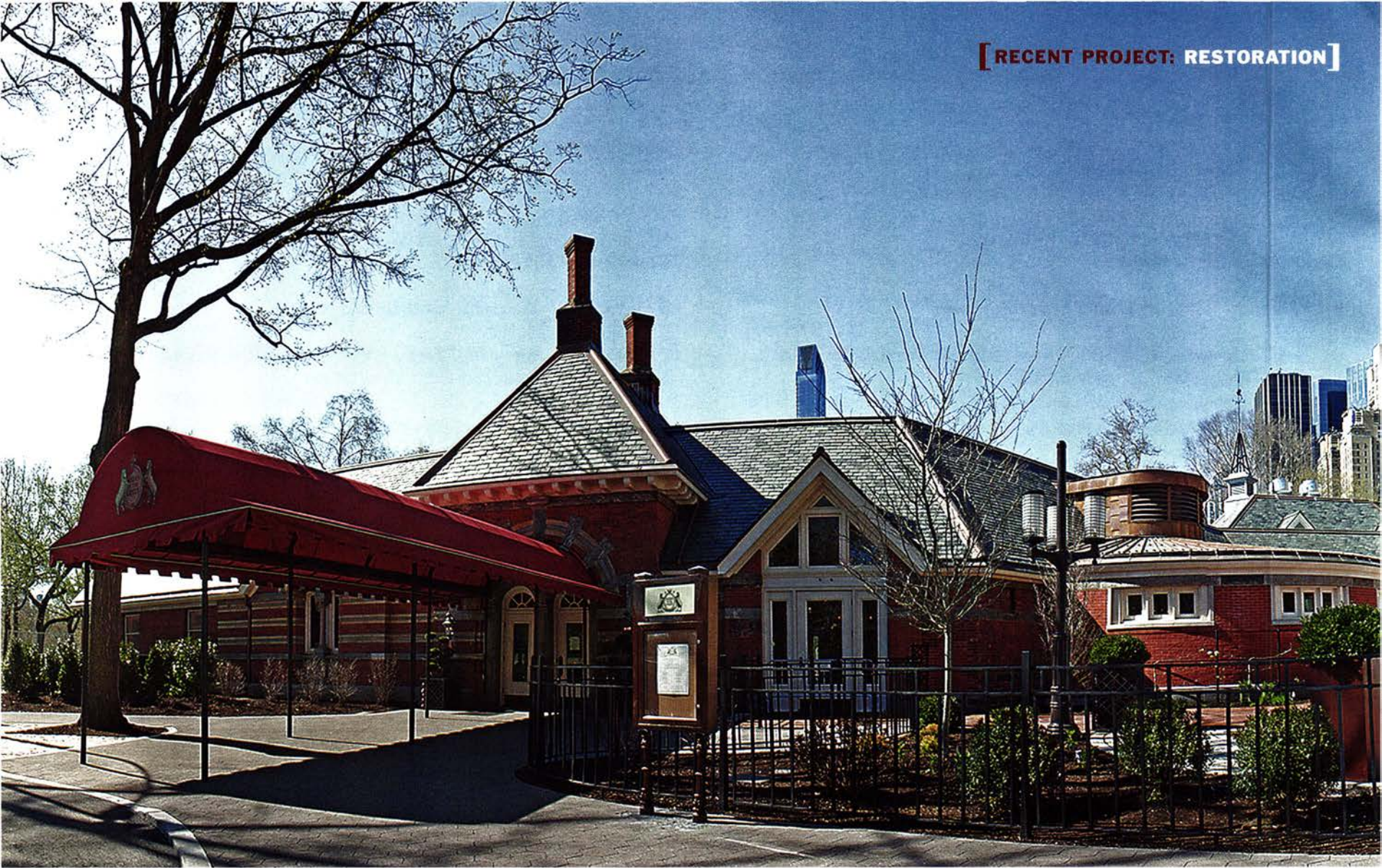
2:45-3:15 pm – Break

3:15-4:45 pm – TB1704, Restoration, Replacement and Substitute Materials: Details and Decisions

Speaker: John Sandor, Architectural Historian, U.S. National Park Service; and others. 1.5 AIA HSW Learning Units.

This will be an interactive session between the presenters and audience to discuss, debate and clarify the sessions presented. The purpose of this session is to have participants leave with some clear guidance on making decisions about repair versus replacement that are confronted in preservation projects on a regular basis.

4:45-5 pm – Wrap-up and Evaluations



PROJECT

Core and Shell Rehabilitation of Tavern on the Green Restaurant, New York City

PROJECT ARCHITECT

Swanke Hayden Connell Architects, New York City; Elizabeth Moss, LEED AP, associate principal and director of historic preservation

LEED

Silver

Historic Restaurant Gets New Lease on Life

The Tavern on the Green restaurant in New York City's Central Park has been rehabilitated. The core and shell work was led by Swanke Hayden Connell Architects (SHCA) and Richard H. Lewis was the architect of the interior. SHCA removed various additions to return the structure to the spirit of its 1934 form, when it was first converted to a restaurant. Photo: Michael P. Finley

TAVERN ON THE GREEN HAD BEEN A DESTINATION RESTAURANT IN NEW YORK CITY'S CENTRAL PARK FOR YEARS. Originally built as a sheep barn in 1871 for the sheep that grazed in the park, it was designed by Jacob Wrey Mould and constructed in a Victorian Gothic style with slate shingled gable roofs and polychromatic stone and Minton tile accents. When Parks Commissioner Robert Moses moved the sheep to Prospect Park in Brooklyn, NY, and converted it to a restaurant in 1934, its destiny was set.

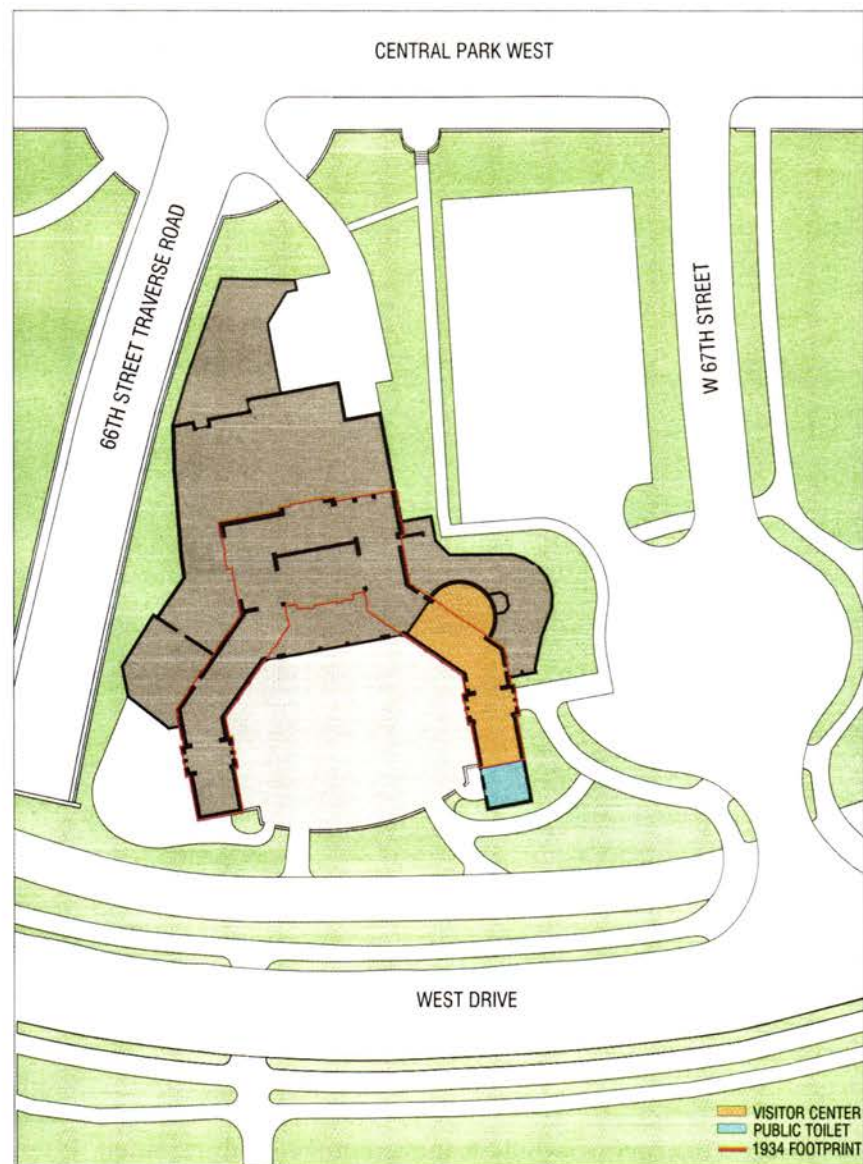
The original sheep barn, with caretaker's housing, was only 8,000 sq.ft., but it was expanded to 10,000 sq.ft. when it was converted into a restaurant. This first renovation was led by Amyar Embury II, the architect

of Central Park Zoo. For the next 75 years, Tavern on the Green was managed by a series of restaurant concessionaires licensed by the New York City Department of Parks and Recreation (DPR).

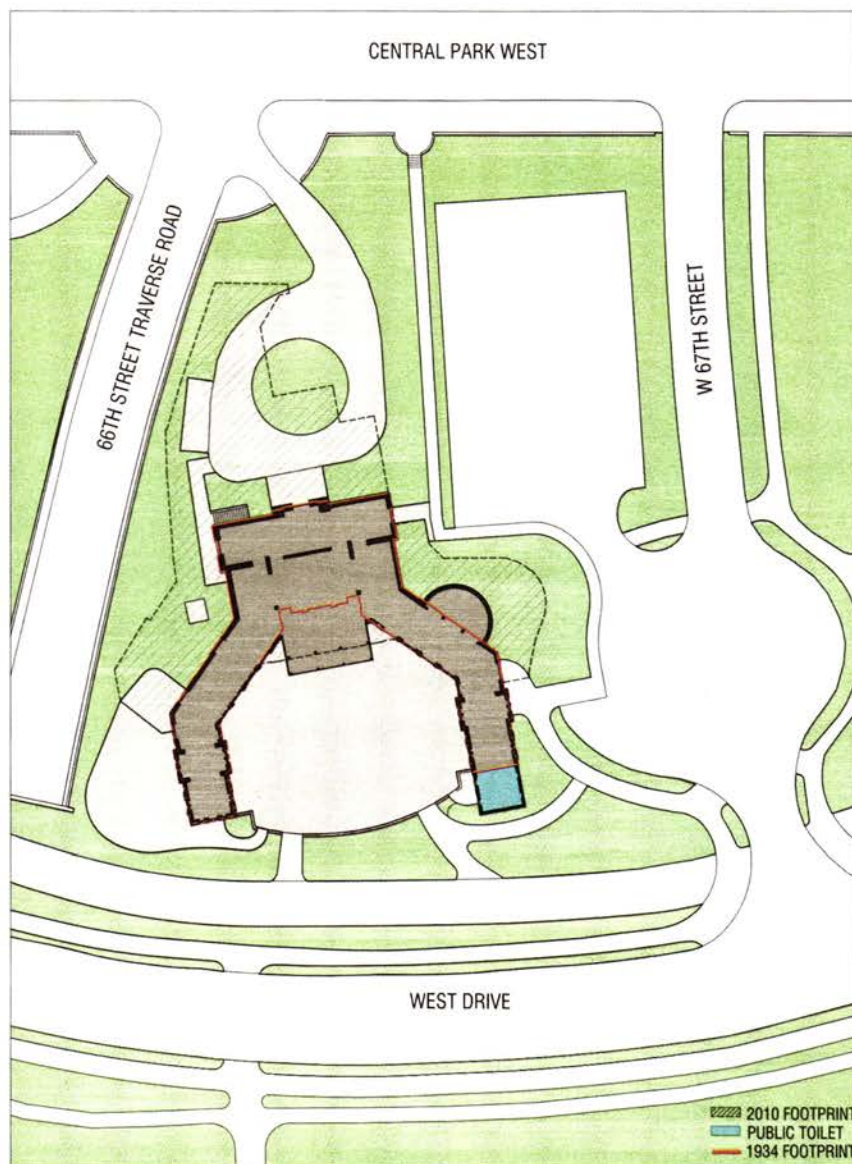
The building underwent extensive renovations and additions from 1943-1976, eventually more than doubling its capacity. By the time it declared bankruptcy and closed in 2009, the building had ballooned to approximately 31,500 sq.ft. and was one of the largest restaurants in the country. Successive layers of incompatible additions heavily obscured the historic character of the original structure. In 2010, a year after the restaurant closed, the city removed the deteriorated 1970s-era Crystal Room in the east courtyard and re-opened the north wing as a

When SHCA came to the project in 2011, the Tavern had been closed for two years. This diagram shows the size of the abandoned structure (left), and the proposed rehabilitated restaurant, with the new paved service yard on the west. The courtyard opens out to the east, toward the park. Site plans: Swanke Hayden Connell Architects

SWANKE HAYDEN CONNELL ARCHITECTS



2010 - VISITOR CENTER AND INTERIM USES (29,400 SF)



2012 - PROPOSED BUILDING DESIGN (12,450 SF)

LPC SUBMISSION - TAVERN ON THE GREEN
CORE & SHELL REHABILITATION

BUILDING FOOTPRINT COMPARISON

FEBRUARY 21, 2012

PAGE 12

temporary visitor center, while the rest of the building sat empty awaiting reuse.

Recognizing its iconic status and important role to both Central Park and New York City, various city agencies and community groups pushed to re-open Tavern on the Green. The City of New York felt it was time to re-invent the restaurant by focusing on servicing visitors to the park and the surrounding community in an historic building, instead of formal dining and catering in an isolated environment, which the restaurant had become prior to its closure in 2009.

The reprogrammed Tavern on the Green was envisioned as a neighborhood amenity that should harmonize with the historic park landscape rather than wall itself off. While difficult to grasp today, it's important to remember that

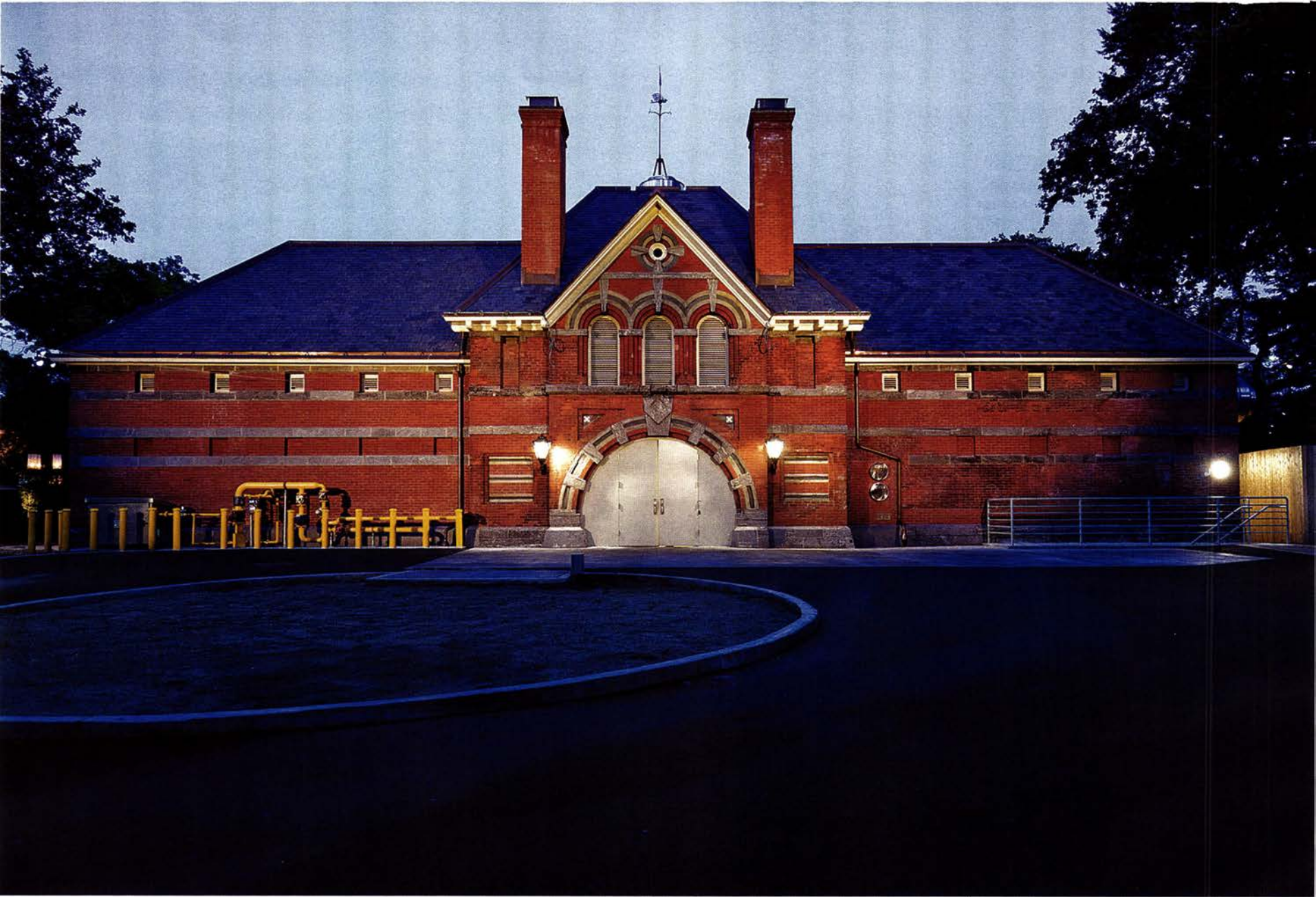
in the 1970s when Tavern on the Green was in its heyday, NYC was in financial crisis and Central Park was considered a dangerous place. From 1974 until its closure in 2009, Tavern on the Green had turned its back on the park and isolated itself from its surroundings.

Swanke Hayden Connell Architects (SHCA) of New York City was brought in to help save the building and to oversee a major Core and Shell rehabilitation project. "Our first task was to perform an in-depth conditions assessment," says Elizabeth Moss, LEED AP, associate principal and director of historic preservation. "It was in terrible shape. All of the roofs leaked, there was major water infiltration, wood rot, hazardous materials, a lot of mold growth, and one or two raccoon families in residence.

Interestingly, the later additions were in worse shape than the original 19th-century portions."

Throughout the process, the team led by SHCA used historic drawings, photographs and other archival material to influence the design direction of the project, enabling the reversal of unsympathetic alterations to the core structure, the restoration of historic fenestration, the recreation of lost architectural details, and the elimination of haphazard penetrations and appurtenances.

"We worked with the city and a food consultant group to rethink the building and reconnect it back to the park," Moss explains. "We essentially removed most of the additions to come up with the smallest footprint that would still be economically viable for the new



restaurant concessionaires. The final footprint is 14,436 sq.ft., so it is close in spirit to the 1934 restaurant. Victorian Gothic elements were revealed, including the restoration of the original 1871 monumental arch and polychromatic Minton tile work at the west elevation. The badly damaged semicircular North Cocktail Bar of 1947 was retained and rebuilt, using the original drawings as basis of design. This was the only significant addition that was retained."

From the beginning, a primary focus of the project involved the restoration of the east elevation, main courtyard, and the north and south wings reaching out toward Central Park's Sheep Meadow. The removal of the Crystal Room in 2010 had literally left a giant hole in the east elevation. As part of the design research, the SHCA team determined that the central portion of the east façade had been significantly altered numerous times since 1934.

The removal of the Crystal Room helped re-establish the historic connection of the north and south wings to the park landscape. As part of the design solution at the east elevation, the wings were restored to their intended symmetrical appearance, and missing dormers and doors recreated. The team designed a contemporary compatible glass dining addition for the courtyard; unlike the former Crystal Room, the new glass addition

sits slightly apart from the historic building and does not compete with it. Its point-supported structural glass enclosure utilizes low-iron laminated glass supported by structural fins and precision machined articulated stainless-steel fittings. The roof is comprised of fritted insulated glass units to achieve energy efficiency while maximizing light and comfort. Most importantly, Moss notes, the new structure is part of an overall program to restore Tavern on the Green's historic eastward orientation, opening out to a central courtyard and the park landscape.

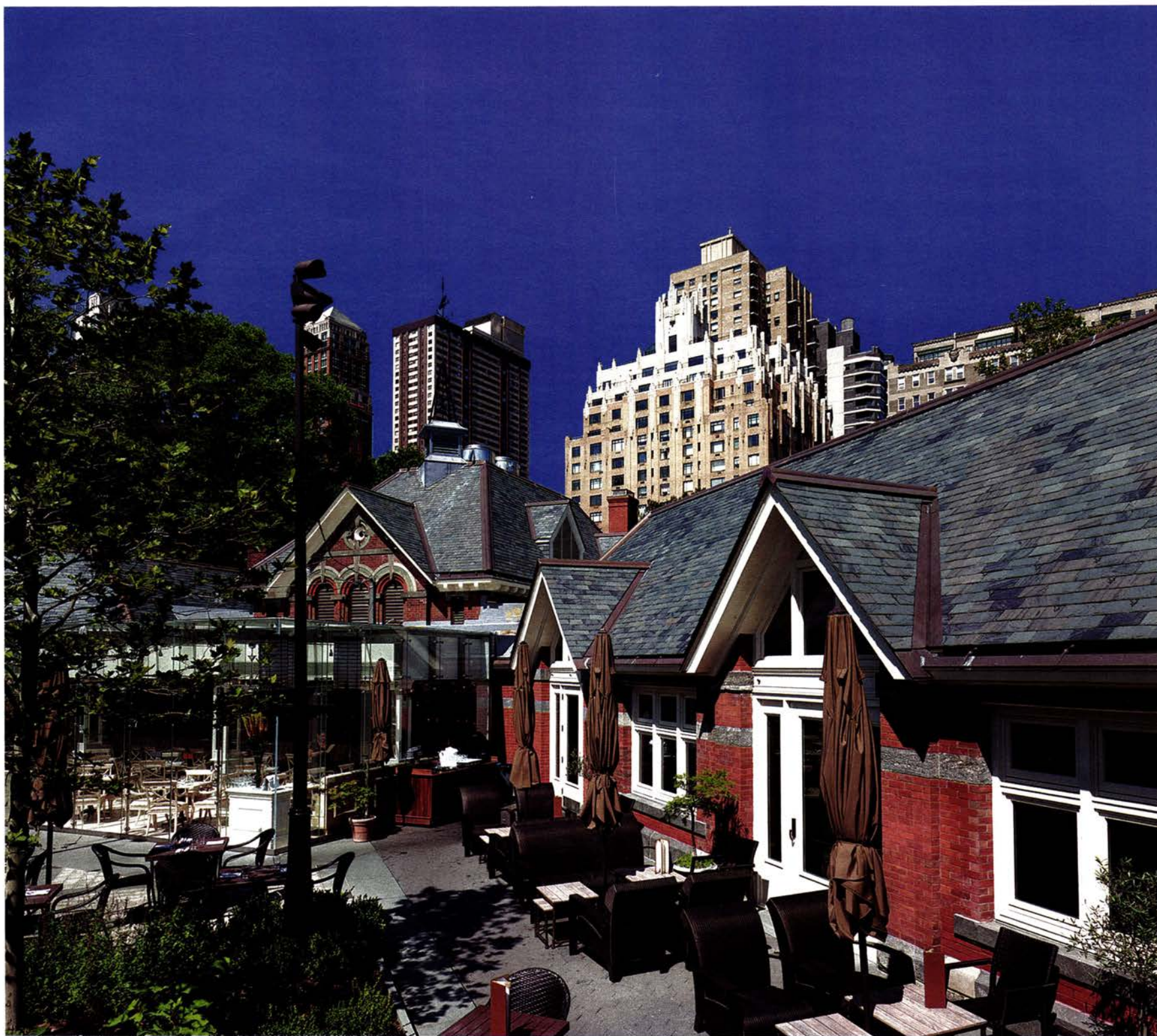
The new courtyard and plantings, designed by Robin Key Landscape Architects of NYC, are based on historic photos and drawings from the 1930s and 1940s. The Core and Shell design team collaborated closely with the concessionaire's team to provide an elaborate network of new plumbing, electrical and beer lines underneath the courtyard pavers. Working around existing bedrock outcroppings proved particularly challenging on this project. "It was difficult to excavate," Moss notes. "We had to put in an extensive network of new utilities, drainage and conduits. Working around the bedrock was an unanticipated challenge to the project budget and schedule."

Throughout the project, every effort was made to be true to the original building.

"Wherever possible, we kept historic fabric," Moss adds. "Every effort was made to closely match new materials, including mortar, new slate roofing and bricks."

At the onset of this project, the architects found only one existing 19th-century historic window, located in the south elevation. It was restored and used as a basis for new windows. These were built by Parrett Windows and Doors of Dorchester, WI. New doors were also created by Parrett, following historic drawings from 1934, but upgraded to meet contemporary standards. All glazing is single-pane, double-glazed with low-e glass to comply with code requirement of NYC Local Law 86, requiring energy savings, and contributing to the building's LEED Silver rating.

The same philosophy applied to the roofing. First the unsightly mechanicals that had been added over the years were removed to recover the original roofline. The deteriorated slate and copper roofing was replaced using Vermont slate supplied by Hudson Valley Roofing of New Windsor, NY, to match the historic 1934 roofing, and new copper flashing and ridge rolls also replicate the originals. In addition, the copper-lined historic gutters were relined and 19th-century wood brackets were restored or replaced when too deteriorated for salvage and reuse. On the north wing over the bar, the



copper roof and ventilator were replaced with a new standing-seam copper roof, also matching the original.

At the project outset, the design team established that virtually all mechanical, electrical and plumbing systems were deteriorated, inefficient, obsolete or nearing the end of their service lives. Therefore, 100 percent of the building's infrastructure was replaced.

The goal was to conceal as much of the new mechanical equipment as possible. Previous alterations had littered the rooftops with a disparate array of unsightly mechanical equipment and penetrations. One of the most important achievements was the restoration of the historic rooflines by concealing the majority of the new MEP equipment in the building's mezzanine and attic spaces.

A large mechanical chiller was installed outside the south elevation, minimally visible to the public. All new equipment was designed to comply with sustainability requirements of NYC Local Law 86 and is expected to result in an energy-efficient LEED Silver facility.

Once the Philadelphia-based Emerald Green Group was selected as the new concessionaire, the Core and Shell Design Team worked closely with their kitchen consultants to provide infrastructure to meet their specifications. This required several revisions to the MEP package as the concessionaires refined their design requirements for the new restaurant.

Most of the unsightly additions to the historic structure, including kitchen service facilities and equipment, were located at the west side of the building. The removal of these

ABOVE: The architects designed a contemporary glass dining addition, the new Central Park Room, with views out to the park. Four sets of double doors open onto the restored courtyard. Photo: Francine Fleischer

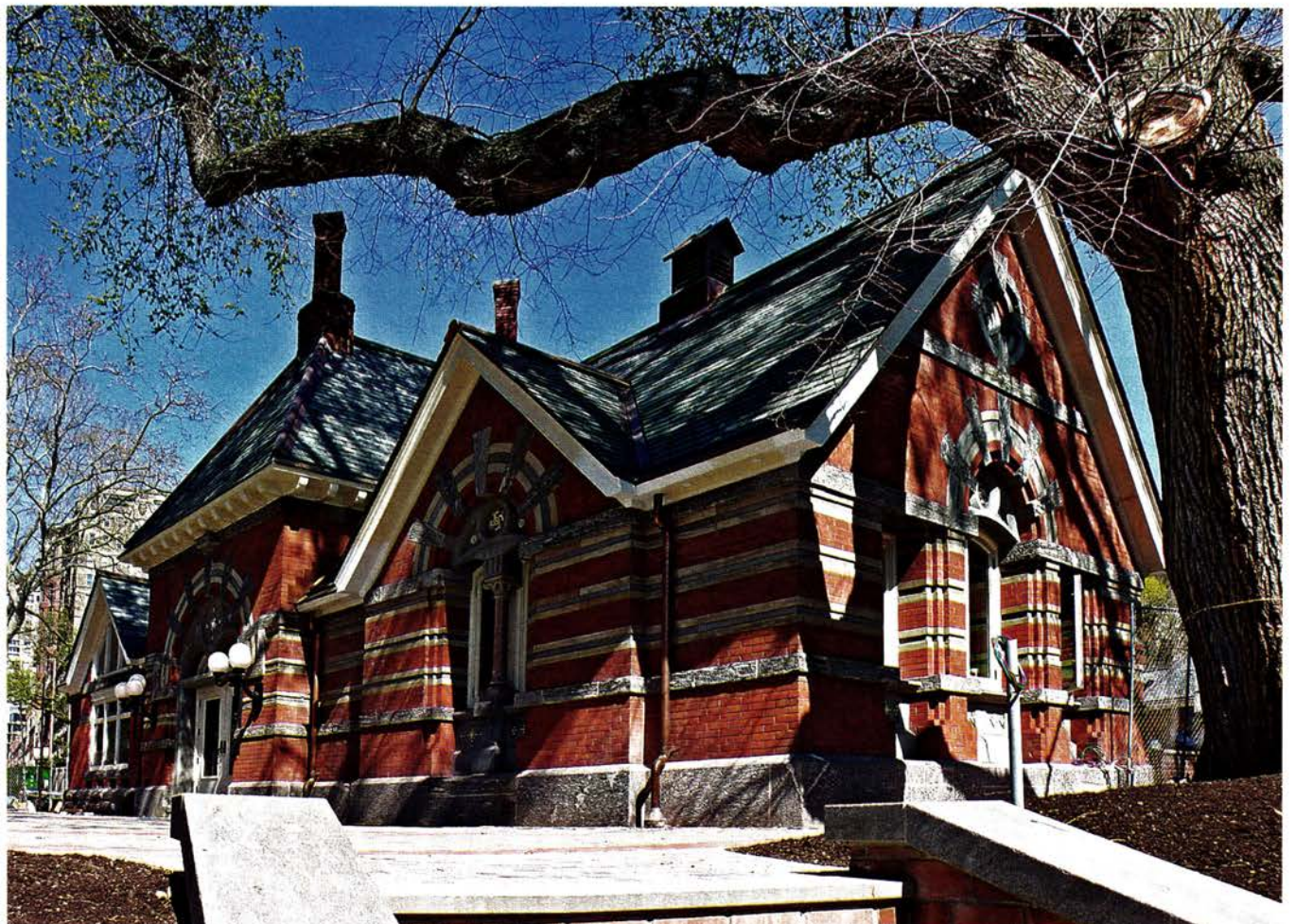
OPPOSITE: The original 1871 monumental arch and polychromatic Minton tile work, shown here at the west elevation, has been restored. This view had been obscured from the public for more than 60 years. This is the first time since the early 1940s anyone has seen this view. The large truck turnaround allows space for deliveries and garbage trucks, eliminating truck honking. Photo: Francine Fleischer

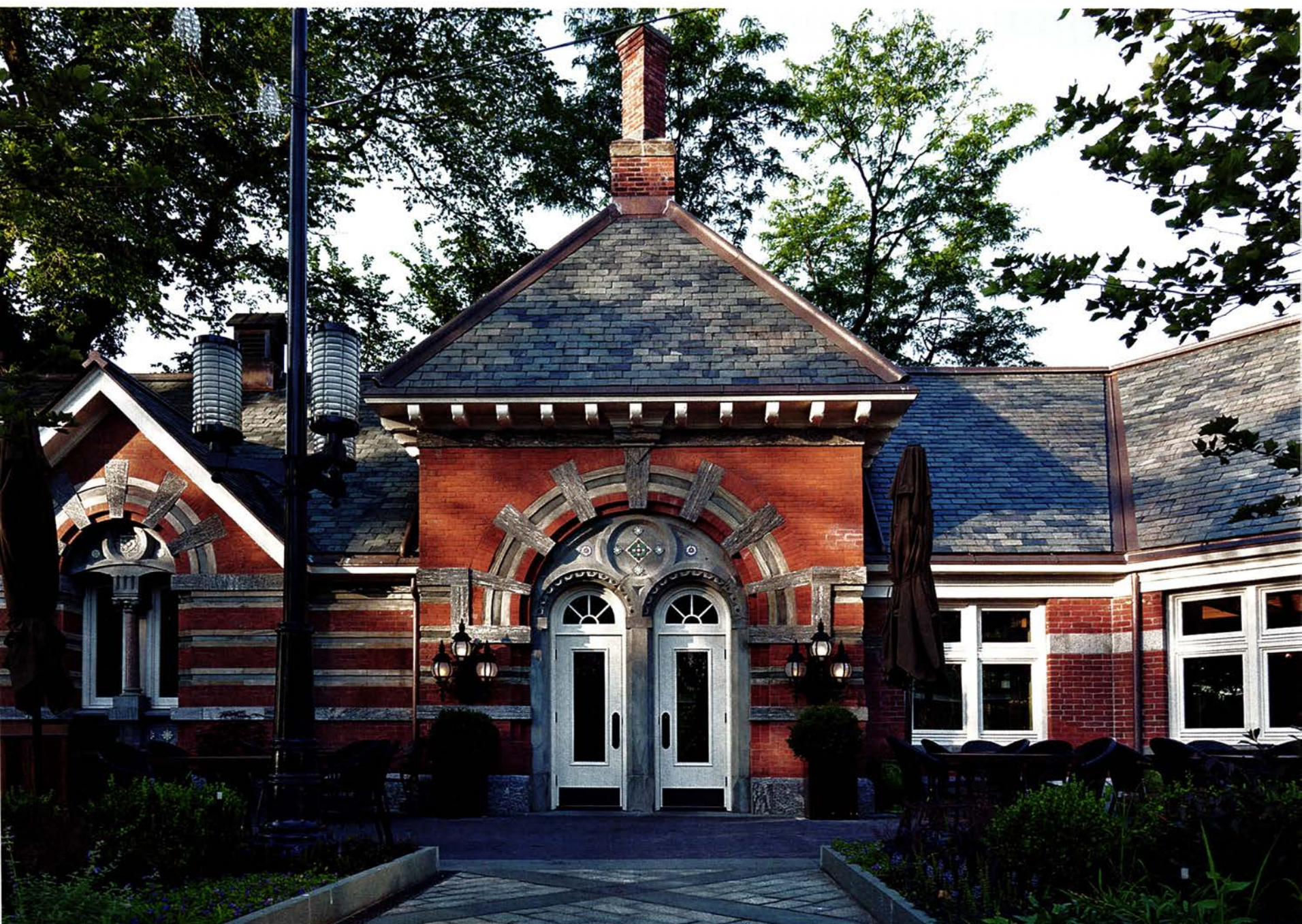


ABOVE: The only significant addition that was retained and rebuilt was the semicircular North Cocktail Bar that had been added in 1947. The architects used the original drawings as basis for the design.
Photo: Francine Fleischer

RIGHT: One historic window discovered in the south elevation and was used as a basis for new windows throughout the building. These were built by Parrett Windows and Doors.
Photo: Michael P. Finley

OPPOSITE: Patrons can also enter the restaurant through the courtyard. Photo: Francine Fleischer





incompatible additions permitted the restoration of the west elevation including its central monumental arch and polychromatic Minton tile work, both of which had been blocked from view for decades.

In addition, this portion of the project now allows for a new paved service yard providing vehicular access from Central Park West. "The neighbors said it was important that we re-introduce a large truck turnaround to help reduce vehicular traffic congestion and noise," Moss notes. "It was part of the 1934 restaurant design, but was regularly reduced in size over the last 75 years as the restaurant footprint continued to increase in size. By the time the restaurant closed in 2009, the rear service yard no longer functioned. We made sure that

the turnaround would fit the food delivery and garbage trucks so the truck honking and backup alarms could be eliminated."

The \$15-million project started with the conditions assessment in 2011 and was completed in April 2014 when the restaurant officially re-opened. A number of agencies were involved along the way, including the NYC Department of Parks and Recreation, the Central Park Conservancy and the client for the Core and Shell Rehabilitation, NYC Department of Design and Construction. The NYC Landmark Preservation Commission and various neighborhood groups also had a voice in the project.

The architect for the interior was Richard H. Lewis of NYC and the general contractor

was Atlas Restoration Corp. of Long Island City, NY.

Through a collaboration and partnership involving many municipal and private entities, the Core and Shell Rehabilitation of Tavern on the Green has re-invented a restaurant that is now more accessible to both New Yorkers and visitors in a way that respects the unique character of this historic building and has returned it to its iconic status as a prime destination in Central Park. "We received some initial push-back when we suggested removing the additions and making it into a smaller restaurant," says Moss, "but once people saw what we were doing, the response was overwhelmingly positive. Tavern on the Green has reclaimed its rightful place in the park." — *Martha McDonald*



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march

NOMMA's 2015 METALfab Education Expo & Exchange, March 11-14, 2015. The National Ornamental & Miscellaneous Metals Association (NOMMA) will host its annual convention at the Valley Forge Casino Resort Convention Center in King of Prussia, PA. The four-day event will feature seminars and workshops on the conference theme "Knowledge to Enlighten the Industry." For more information, visit www.nomma.org

Online Webinar, Traditional Building Conference Series, March 24, 2015. This free, online webinar will be held 2-3:30 ET. It is sponsored by *Traditional Building* magazine. The topic is historic clay roof tile, and Tad Colbert, CEO, Ludowici Roof Tiles of Lexington, OH, is the featured speaker. For more information, go to www.traditionalbuildingshow.com.

april

Society of Architectural Historians Annual Conference, April 15-19, 2015. The Society of Architectural Historians will hold its 68th annual conference at the Holiday Inn Chicago Mart Plaza in Chicago. The conference theme, "Chicago at the Global Crossroads," will celebrate the 75th anniversary of SAH's founding. For more information, visit www.sah.org.

Traditional Building Conference, April 28-29, 2015. Sponsored by *Traditional Building* and *Period Homes* magazines, the first conference in the 2015 series will be held in Boston. The event will focus on "Historic Windows: Materials, Methods and Jobs." For more information, contact Judy Hayward, jhayward@aimmedia.com or 802-356-4348, or go to www.traditionalbuildingshow.com.

CNU 23 Conference, April 29 - May 2, 2015. The Congress for the New Urbanism will host its 23rd annual conference at the Adolphus Hotel in Dallas. This event for designers, developers, planners, architects and advocates of walkable, mixed-use neighborhoods will focus on the theme, "Meeting the Demand for Walkable Places," which looks at the forces driving the desire for more urban lifestyles. For more information, visit www.cnu.org.

may

AIA 2015 National Convention and Design Exposition, May 14-16, 2015. The AIA 2014 National Convention & Design Exposition will be held at the McCormick Place in Atlanta. Participants will have a chance to earn Learning Units through education sessions and location tours. Additionally, this year's event features a keynote address by President Bill Clinton. For more information, visit www.aia.org.

june

SGAA Annual Summer Conference, June 10-12, 2015. The Stained Glass Association of America will host its summer conference in Portland, OR. This year's theme is "Expanding Horizons," and the event will feature classes on traditional painting, technical lectures and a stained-glass tour. For registration and conference updates, visit www.stainedglass.org/html/SGAAconference.htm.

Jewels Of Light, June 19-20, 2015. Focusing on the creation, preservation and appreciation of stained glass, this symposium will be held at the Washington National Cathedral, in Washington, DC. It is sponsored by APTI, the National Cathedral, APT DC Chapter and the American Glass Guild. Abstracts are due January 30. For more information, call 217-529-9039.

july

Traditional Building Conference, July 21-22, 2015. The second conference in this year's series will be held in Princeton, NJ. The focus is "Materials, Methods and Jobs." For more information, contact Judy Hayward, jhayward@aimmedia.com or 802-356-4348 or go to www.traditionalbuildingshow.com.

october

Traditional Building Conference, October 6-7, 2015. The third conference in this year's series will be held in Denver, CO. The focus is "Materials, Methods and Jobs." For more information, contact Judy Hayward, jhayward@aimmedia.com or 802-356-4348 or go to www.traditionalbuildingshow.com.

november

2016 Palladio Awards Deadline for Submissions, November 2015. The annual Palladio Awards, honoring the excellence in traditional architecture, are sponsored by *Traditional Building* and *Period Homes* magazine and the Traditional Building Conference Series. For more information, go to www.palladioawards.com.

APT Kansas City 2014 Conference, November 1-5, 2015. The Association for Preservation Technology International will host its annual conference in Kansas City, KS. The theme this year, "Convergence of People and Place," will explore the interface of diverse technologies and its effects on the modern practice of heritage conservation. For conference updates, visit www.apti.org.

American Society of Landscape Architects Annual Conference, November 6-9, 2015. Chicago's McCormick Place will host the 2015 ASLA conference. The event includes education sessions, field sessions, tours, workshops and the opportunity to earn professional development hours. For more information, go to www.asla.org/annualmeetingandexpo.aspx

GREENBUILD 2015, November 18-20, 2015.

Greenbuild's international conference and expo will be held in Washington, DC. It is dedicated to green building products and services and will feature three days of educational sessions, green building tours and seminars. For more information, visit www.greenbuildexpo.org.

december

Traditional Building Conference, December 1-2, 2015. The fourth and final conference in this year's series will be held in Durham, NC. The focus is "Materials, Methods and Jobs." For more information, contact Judy Hayward, jhayward@aimmedia.com or 802-356-4348 or go to www.traditionalbuildingshow.com.

ongoing

National Building Museum Programs & Exhibits. The National Building Museum in Washington, DC, offers a series of exhibits and programs throughout the year on topics dealing with architectural design and building. Many of the programs qualify for AIA continuing-education units. The building itself is worth the visit, and 45-minute walk-in tours are offered daily. For details on current programs and a tour schedule, go to www.nbm.org.

Preservation Education Programs. Throughout the year, the Preservation Education Institute, a program of Vermont-based Historic Windsor, Inc., offers workshops on various preservation skills, technologies and practices for building and design professionals, property owners and others. For a complete listing of current programs, go to www.preservationworks.org or contact Judy Hayward at 802-674-6752.

Wood-Carving Workshops. Classically trained master wood-carver Dimitrios Klitsas conducts classes in wood carving at his studio in Hampden, MA. For details, go to www.klitsas.com or call 413-566-5301.

Woodworking Classes. The North Bennet Street School holds full-time woodworking courses – including fine carpentry and preservation carpentry – in Boston, MA. To register and pay online, visit www.nbss.edu.

PRODUCT & SERVICE INDEX

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GILDING

Buon Fresco
Conrad Schmitt Studios, Inc.
Daprato Rigali Studios, Inc.
EverGreene Architectural Arts, Inc.
Foster Reeve & Associates, Inc.
John Canning Conservation & Painting Studios
John Tiedemann, Inc.
Lynne Rutter Murals & Decorative Painting
Schiff Architectural Detail, LLC
Swiatek Studios

INTERIOR MOLDED ORNAMENT

Abatron, Inc.
Chadsworth Columns
Classic Ceilings
Decorators Supply Corp.
EverGreene Architectural Arts, Inc.
Foster Reeve & Associates, Inc.
John Canning Conservation & Painting Studios
Schiff Architectural Detail, LLC
Stone Legends
Swiatek Studios

PAINTS, INTERIOR

Buon Fresco
EverGreene Architectural Arts, Inc.
Foster Reeve & Associates, Inc.

PLASTER

Abatron, Inc.
Buon Fresco
Chadsworth Columns
Decorators Supply Corp.
EverGreene Architectural Arts, Inc.
Foster Reeve & Associates, Inc.
Stone Legends
Swiatek Studios

VENETIAN PLASTER

Buon Fresco
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Foster Reeve & Associates, Inc.
John Canning Conservation & Painting Studios
John Tiedemann, Inc.

WALLCOVERINGS, WALLPAPER

Chelsea Decorative Metal Co.
EverGreene Architectural Arts, Inc.
John Canning Conservation & Painting Studios

LANDSCAPE & GARDEN SPECIALTIES

ARBORS

Bella Dura, Inc.
Chadsworth Columns
Fifthroom.com

Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Stone Legends
Wiemann Metalcraft

BENCHES

Architectural Iron Co.
Fifthroom.com
Haddonstone (USA), Ltd.
Herwig Lighting
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Stone Legends
Wiemann Metalcraft

BRIDGES

Bella Dura, Inc.
Fifthroom.com
Fine Architectural Metalsmiths
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Steptoe & Wife Antiques, Ltd.
Stone Legends

CLOCKS

Campbellsville Industries, Inc.
Munns Manufacturing, Inc.
Historical Arts & Casting, Inc.

FENCING

Architectural Iron Co.
Bill's Custom Metal Fabrications
Campbellsville Industries, Inc.
Compass Ironworks
Fine Architectural Metalsmiths
Forerunner Creations
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
O.K. Foundry Co., Inc.
Schiff Architectural Detail, LLC
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

FLAGPOLES

Historical Arts & Casting, Inc.
idh by St. Simons
Schiff Architectural Detail, LLC

FOUNTAINS

Bella Dura, Inc.
Fine Architectural Metalsmiths
Gerald Siciliano Studio
Design Associates
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
Mike Curtis Wildlife Bronze Sculptures
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Stone Legends
Stonesculpt

GARDEN FURNISHINGS

Fifthroom.com
Flaherty Iron Works, Inc.
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
Mike Curtis Wildlife Bronze Sculptures
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Stone Legends
Wiemann Metalcraft

GATE HARDWARE

Design Associates, Inc.
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Kayne & Son Custom Hardware
Richards-Wilcox, Inc.
Schiff Architectural Detail, LLC

GATES

Architectural Iron Co.
Design Associates, Inc.
Fine Architectural Metalsmiths
Forerunner Creations
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

LANDSCAPE STONE

Haddonstone (USA), Ltd.
Monarch Stone International
Stone Legends

MAILBOXES

Custom Home & Commercial Accessories
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Idh by St. Simons
Robinson Iron Corp.
Wiemann Metalcraft

PAVERS

Bella Dura, Inc.
Belden Brick Co., The
Daprato Rigali Studios, Inc.
Gavin Historical Bricks, Inc.
Haddonstone (USA), Ltd.
Monarch Stone
Stone Legends

PERGOLAS

Bella Dura, Inc.
Chadsworth Columns
Haddonstone (USA), Ltd.
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Stone Legends
Wiemann Metalcraft

PLANTERS & URNS

Chadsworth Columns
Custom Home & Commercial Accessories
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Stone Legends
Wiemann Metalcraft

SIGNAGE

Bella Dura, Inc.
Custom Home & Commercial Accessories
Historical Arts & Casting, Inc.
idh by St. Simons
Lake Shore Industries, Inc.
Stone Legends
Stonesculpt

SUNDIALS

Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
Stone Legends

TREE GRATES & GUARDS

Gotham Metalworks
Schiff Architectural Detail, LLC

LIGHTING & ELECTRICAL

CANDLES, ELECTRIC

Ball & Ball Lighting
Grand Light
Lantern Masters, Inc.

EXTERIOR LIGHTING

Authentic Designs
Ball & Ball Lighting
Crenshaw Lighting
Deep Landing Workshop
Fine Architectural Metalsmiths
Firedance Studio, LLC
Grand Light
Herwig Lighting
Historical Arts & Casting, Inc.
House of Antique Hardware
Lantern Masters, Inc.
Rambusch Lighting Co.
Schiff Architectural Detail, LLC
Schofield Historic Lighting
St. Louis Antique Lighting Co.
Wiemann Metalcraft

FANS

Fifthroom.com
Schiff Architectural Detail, LLC
Woolen Mill Fan Co.

GAS LIGHTING

Ball & Ball Lighting
Crenshaw Lighting
Firedance Studio, LLC
Grand Light
Lantern Masters, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

INTERIOR LIGHTING RESTORATION

Ball & Ball Lighting
Crenshaw Lighting
Fine Architectural Metalsmiths
Grand Light
Historical Arts & Casting, Inc.
Lantern Masters, Inc.
Manning Lighting, Inc.
Rambusch Lighting Co.
Schiff Architectural Detail, LLC
St. Louis Antique Lighting Co.

INTERIOR LIGHTING, ANTIQUE ORIGINAL

Ball & Ball Lighting
Grand Light
Herwig Lighting
Schiff Architectural Detail, LLC

INTERIOR LIGHTING

Architectural Archive
Authentic Designs
Ball & Ball Lighting

Crenshaw Lighting
Deep Landing Workshop
Fine Architectural Metalsmiths
Firedance Studio, LLC
Grand Light
Herwig Lighting
Historical Arts & Casting, Inc.
House of Antique Hardware
Lantern Masters, Inc.
Manning Lighting, Inc.
Rambusch Lighting Co.
Schiff Architectural Detail, LLC
Schofield Historic Lighting
St. Louis Antique Lighting Co.
Wiemann Metalcraft

INTERIOR LIGHTING, HISTORICAL REPRODUCTIONS

Architectural Archive
Authentic Designs
Ball & Ball Lighting
Crenshaw Lighting
Deep Landing Workshop
Fine Architectural Metalsmiths
Grand Light
House of Antique Hardware
Lantern Masters, Inc.
Rambusch Lighting Co.
Schiff Architectural Detail, LLC
Schofield Historic Lighting
St. Louis Antique Lighting Co.

LAMPPOSTS & STANDARDS

Ball & Ball Lighting
Grand Light
Herwig Lighting
Historical Arts & Casting, Inc.
Lake Shore Industries, Inc.
Schiff Architectural Detail, LLC

LIGHTING FIXTURE GLASS

Architectural Archive
Ball & Ball Lighting
Grand Light
Herwig Lighting
House of Antique Hardware
Lehmann Glass Studio
Michael Davis Stained Glass
St. Louis Antique Lighting Co.

STREET LIGHTING, LUMINAIRES

Custom Home & Commercial Accessories
Herwig Lighting
Manning Lighting, Inc.

STREET LIGHTING, POLES

Custom Home & Commercial Accessories
Herwig Lighting
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Stone Legends

STREET LIGHTING, HISTORICAL REPRODUCTIONS

Authentic Designs
Ball & Ball Lighting
Crenshaw Lighting
Herwig Lighting
Historical Arts & Casting, Inc.
Lantern Masters, Inc.

Schiff Architectural Detail, LLC
Scofield Historic Lighting
Wiemann Metalcraft

SWITCH PLATES

House of Antique Hardware

MANTELS, FIREPLACES & CHIMNEYS

CHIMNEY POTS

Stone Legends

FIRE GRATES

Firedance Studio, LLC
Gotham Metalworks
Kayne & Son Custom Hardware

FIREPLACE SCREENS & TOOLS

Bill's Custom Metal Fabrications
Fine Architectural Metalsmiths
Firedance Studio, LLC
Historical Arts & Casting, Inc.
Kayne & Son Custom Hardware
Schiff Architectural Detail, LLC
Wiemann Metalcraft

FIREPLACES

Bella Dura, Inc.
Haddonstone (USA), Ltd.
Stone Legends
Stonesculpt

MANTELS

Agrell Architectural Carving, Ltd.
Bella Dura, Inc.
Bill's Custom Metal Fabrications
Chadsworth Columns
Connor Homes
Decorators Supply Corp.
Fine Architectural Metalsmiths
Foster Reeve & Associates, Inc.
Gerald Siciliano Studio
Design Associates
Gotham Metalworks
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
New World Stoneworks
Schiff Architectural Detail, LLC
Stone Legends
Stonesculpt

METALWORK

CAST METALWORK

Architectural Iron Co.
Ball & Ball Lighting
Campbellsville Industries, Inc.
CoCo Architectural Grilles
& Metalcraft
Fine Architectural Metalsmiths
Firedance Studio, LLC
Flaherty Iron Works, Inc.
Forerunner Creations
Gotham Metalworks
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Kayne & Son Custom Hardware
King Architectural Metals
Lake Shore Industries, Inc.

Mike Curtis Wildlife Bronze

Sculptures

O.K. Foundry Co., Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Steptoe & Wife Antiques, Ltd.
W.F. Norman Corp.
Wiemann Metalcraft

FABRICATED METALWORK

Architectural Iron Co.
Ball & Ball Lighting
Campbellsville Industries, Inc.
CoCo Architectural Grilles
& Metalcraft
Compass Ironworks
Fine Architectural Metalsmiths
Firedance Studio, LLC
Flaherty Iron Works, Inc.
Forerunner Creations
Gotham Metalworks
Historical Arts & Casting, Inc.
Kayne & Son Custom Hardware
Mike Curtis Wildlife Bronze
Sculptures
Munns Manufacturing, Inc.
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

FORGED METALWORK

Ball & Ball Lighting
Bill's Custom Metal Fabrications
Compass Ironworks
Fine Architectural Metalsmiths
Firedance Studio, LLC
Flaherty Iron Works, Inc.
Heritage Cast Iron USA
Kayne & Son Custom Hardware
King Architectural Metals
Schiff Architectural Detail, LLC
Steptoe & Wife Antiques Ltd.
Wiemann Metalcraft

GRILLES, METAL

Architectural Grille
Architectural Iron Co.
Artistry in Architectural Grilles
Campbellsville Industries, Inc.
CoCo Architectural Grilles
& Metalcraft
Fine Architectural Metalsmiths
Flaherty Iron Works, Inc.
Gotham Metalworks
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
House of Antique Hardware
Kayne & Sons Custom Hardware
Kees Architectural Division
King Architectural Metals
Reggio Register Co., The
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

METAL COATINGS

Historical Arts & Casting, Inc.
King Architectural Metals
Preservation Products, Inc.
Schiff Architectural Detail, LLC

METAL COMPONENTS,

CAST & FORGED

Architectural Iron Co.
King Architectural Metals
Schiff Architectural Detail, LLC
Wiemann Metalcraft

METAL REPAIR & RESTORATION SERVICES

Architectural Iron Co.
Ball & Ball Lighting
Campbellsville Industries, Inc.
Firedance Studio LLC
Flaherty Iron Works Inc.
Gotham Metalworks
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
King Architectural Metals
Robinson Iron Corp.

RAILINGS

Architectural Iron Co.
Bill's Custom Metal Fabrications
Campbellsville Industries, Inc.
Compass Ironworks
Fine Architectural Metalsmiths
Firedance Studio, LLC
Flaherty Iron Works, Inc.
Forerunner Creations
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
idh by St. Simons
King Architectural Metals
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Stairways, Inc.
Steptoe & Wife Antiques, Ltd.

RAILINGS, STANDARD ELEMENTS

Architectural Iron Co.
Bill's Custom Metal Fabrications
Campbellsville Industries, Inc.
Heritage Cast Iron USA
idh by St. Simons
King Architectural Metals
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

REGISTERS, METAL

Architectural Grille
Artistry in Architectural Grilles
CoCo Architectural Grilles
& Metalcraft
Historical Arts & Casting, Inc.
Kees Architectural Division
Reggio Register Co., The
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

SHEET-METAL, ORNAMENT

Architectural Grille
Artistry in Architectural Grilles
EJMcopper, Inc.
Gotham Metalworks
Heather & Little Limited
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC

SHEET METAL, ARCHITECTURAL

Artistry in Architectural Grilles
EJMcopper, Inc.
Firedance Studio, LLC

Gotham Metalworks
Heather & Little Limited
Munns Manufacturing, Inc.
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC

STAIR BALUSTRADES, METAL

Architectural Iron Co.
Bill's Custom Metal Fabrications
Compass Ironworks
Flaherty Iron Works, Inc.
Forerunner Creations
Gotham Metalworks
Historical Arts & Casting, Inc.
King Architectural Metals
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

STAIR BALUSTRADES, STANDARD ELEMENTS

Architectural Iron Co.
Flaherty Iron Works, Inc.
King Architectural Metals
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

STAIR HANDRAILS

Architectural Iron Co.
Bill's Custom Metal Fabrications
Campbellsville Industries, Inc.
Compass Ironworks
Flaherty Iron Works, Inc.
Forerunner Creations
Historical Arts & Casting, Inc.
idh by St. Simons
King Architectural Metals
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Stairways, Inc.
Steptoe & wife Antiques, Ltd.
Wiemann Metalcraft

STAIR HANDRAILS, STANDARD ELEMENTS

Architectural Iron Co.
Campbellsville Industries, Inc.
idh by St. Simons
King Architectural Metals
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

STAIRS

Fine Architectural Metalsmiths
Flaherty Iron Works, Inc.
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Stairways, Inc.
Steptoe & Wife Antiques, Ltd.
Wiemann Metalcraft

PLUMBING, BATH & HEATING

BATHROOM ACCESSORIES

House of Antique Hardware
idh by St. Simons
Rocky Mountain Hardware
Subway Ceramics

BATHTUBS

Schiff Architectural Detail, LLC
Stone Legends

FAUCETS & FITTINGS, ANTIQUE ORIGINAL

Rocky Mountain Hardware
Schiff Architectural Detail, LLC

KITCHEN CABINETS, CUSTOM

Connor Homes
Zepa Industries, Inc.

RADIATOR COVERS

Architectural Grille
Kees Architectural Division

WINE CELLARS, ACCESSORIES

EJMcopper, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

PROFESSIONAL SERVICES

CONSERVATION SERVICES, ARCHITECTURAL

Daprato Rigali Studios, Inc.
EverGreene Architectural
Arts, Inc.
Firedance Studio, LLC
Gotham Metalworks
Schiff Architectural Detail, LLC
Swiatek Studios
Wiemann Metalcraft

CONSERVATION SERVICES, ART

Conrad Schmitt Studios, Inc.
Daprato Rigali Studios, Inc.
EverGreene Architectural
Arts, Inc.
Firedance Studio, LLC
Gerald Scilliano Studio Design
Associates
John Canning Conservation
& Painting Studios
John Tiedemann, Inc.
Schiff Architectural Detail, LLC
Swiatek Studios

HISTORICAL PRESERVATION CONSULTING

Conrad Schmitt Studios, Inc.
Daprato Rigali Studios, Inc.
EverGreene Architectural
Arts, Inc.
Gotham Metalworks
Historical Arts & Casting, Inc.
John Canning Conservation
& Painting Studios
John Tiedemann, Inc.
Lynne Rutter Murals &
Decorative Painting
Robinson Iron Corp.

ROOFING & ROOF SPECIALTIES

BIRD- & PEST-CONTROL PRODUCTS

Bird-X, Inc.
Nixalite of America, Inc.

CAULKING & JOINT SEALANTS

Preservation Products, Inc.
SnoBlox-SnoJax

CRESTING

Architectural Iron Co.
Heather & Little Limited
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

CUPOLAS

Campbellsville Industries, Inc.
Connor Homes
Custom Home & Commercial Accessories
EJMcopper, Inc.
Firedance Studio, LLC
Gotham Metalworks
Heather & Little Limited
Historical Arts & Casting, Inc.
Munns Manufacturing, Inc.
NIKO Contracting Co., Inc.
Vermont Timber Works, Inc.

DOMES

Campbellsville Industries, Inc.
Daprato Rigali Studios, Inc.
Gotham Metalworks
Heather & Little Limited
Historical Arts & Casting, Inc.
Munns Manufacturing, Inc.
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

FINIALS

Campbellsville Industries, Inc.
Custom Home & Commercial Accessories
EJMcopper, Inc.
Gotham Metalworks
Heather & Little Limited
Historical Arts & Casting, Inc.
Ludowici Roof Tile, Inc.
Munns Manufacturing, Inc.
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC
W.F. Norman Corp.

FLASHING

Gotham Metalworks
Heather & Little Limited
NIKO Contracting Co., Inc.

GUTTERS, CHAINS, HANGERS

Custom Home & Commercial Accessories
EJMcopper, Inc.
Gotham Metalworks
Heather & Little Limited
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.

LEADERS & LEADER BOXES

Gotham Metalworks
Heather & Little Limited
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.

MEMBRANE ROOFING SYSTEMS

Gotham Metalworks
Preservation Products, Inc.

METAL ROOFING, SHINGLES

Heather & Little Limited
NIKO Contracting Co., Inc.
W.F. Norman Corp.

ROOF REPAIR

Heather & Little Limited
NIKO Contracting Co., Inc.
Preservation Products, Inc.
Tile Roofs, Inc.

SHEET-METAL ROOFING

Gotham Metalworks
Heather & Little Limited
NIKO Contracting Co., Inc.
W.F. Norman Corp.

SKYLIGHTS

Gotham Metalworks
Heather & Little Limited
Historical Arts & Casting, Inc.
Hyland Studio, The

SLATE REPLICAS

Inspire Roofing Products
NIKO Contracting Co., Inc.
Tile Roofs, Inc.

SLATE ROOFING

NIKO Contracting Co., Inc.
Tile Roofs, Inc.

SNOWGUARDS

Alpine SnowGuards
Architectural Iron Co.
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.
SnoBlox-SnoJax

STEEPLEJACK SERVICES

Campbellsville Industries, Inc.
NIKO Contracting Co., Inc.

STEEPLES

Campbellsville Industries, Inc.
EJMcopper, Inc.
Heather & Little Limited
Munns Manufacturing, Inc.
NIKO Contracting Co., Inc.

TILE ROOFING

Ludowici Roof Tile, Inc.
NIKO Contracting Co., Inc.
Tile Roofs, Inc.

VENTS

NIKO Contracting Co., Inc.

WATERPROOFING MATERIALS

Preservation Products, Inc.

WEATHERVANES

Architectural Iron Co.
Custom Home & Commercial Accessories
EJMcopper, Inc.
Heather & Little Limited
Historical Arts & Casting, Inc.
Munns Manufacturing, Inc.
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

SALVAGED MATERIALS & ANTIQUES

BARN SIDING

Authentic Wood Floors, Inc.
Chestnut Specialists, Inc.

BRICK, SALVAGED

Gavin Historical Bricks, Inc.

BUILDING MATERIALS, SALVAGED

Authentic Wood Floors, Inc.
Chestnut Specialists, Inc.
Tile Roofs, Inc.

GREEN-BUILDING PRODUCTS

Allied Window, Inc.
Architectural Components, Inc.
Ball & Ball Lighting
Brandt, Sylvan
Chestnut Specialists, Inc.
Gavin Historical Bricks, Inc.
Haddonstone (USA), Ltd.
HeartWood Fine Windows & Doors
Kolbe & Kolbe Millwork Co.
Ludowici Roof Tile, Inc.
Marvin Windows and Doors
Monarch Stone International
New World Stoneworks
Parrett Windows & Doors
Richards-Wilcox, Inc.
St. Louis Antique Lighting Co.
Tile Roofs, Inc.
Wood Window Workshop

TIMBERS, ANTIQUE & SALVAGED

Authentic Wood Floors, Inc.
Chestnut Specialists, Inc.
Schiff Architectural Detail, LLC

WOOD BOARDS, ANTIQUE & SALVAGED

Authentic Wood Floors, Inc.
Chestnut Specialists, Inc.

STONE, BRICK & MASONRY

BRICK

Belden Brick Co., The
Gavin Historical Bricks, Inc.
Stone Legends

CAST STONE, CUSTOM CASTING

Abatron, Inc.
Haddonstone (USA), Ltd.
Stone Legends

MASONRY REPAIR MATERIALS

Abatron, Inc.

MASONRY RESTORATION CONTRACTING

John Canning Conservation & Painting Studios
Rugo Stone, LLC.
Stone Legends

MASONRY WATERPROOFERS

Weathercap, Inc.

STONE

Bella Dura, Inc.
Monarch Stone International
New World Stoneworks
Monarch Stone International
Rugo Stone, LLC.
Stone Legends
Stonesculpt

TERRA COTTA

Ludowici Roof Tile, Inc.

TIMBER FRAMING & BARN

BARN

Connor Homes
Country Carpenters, Inc.
Hugh Lofting Timber Framing, Inc.
Liberty Head Post & Beam
Vermont Timber Works, Inc.

TIMBER-FRAME SERVICES

Authentic Wood Floors, Inc.
Hochstetler Milling, Ltd.
Hugh Lofting Timber Framing, Inc.
Liberty Head Post & Beam
Vermont Timber Works, Inc.

TIMBER FRAMES

Country Carpenters, Inc.
Hochstetler Milling, Ltd.
Hugh Lofting Timber Framing, Inc.
Liberty Head Post & Beam
Vermont Timber Works, Inc.

TIMBER TRUSSES

Authentic Wood Floors, Inc.
Hochstetler Milling, Ltd.
Hugh Lofting Timber Framing, Inc.
Vermont Timber Works, Inc.

WOODWORK

CABINETS

Connor Homes

CARVINGS

Agrell Architectural Carving, Ltd.
Chadsworth Columns
Decorators Supply Corp.
Klise Mfg. Co.
Zepa Industries, Inc.

GRILLES

Reggio Register Co., The

MILLWORK

Agrell Architectural Carving, Ltd.
Architectural Components, Inc.
Chadsworth Columns
Connor Homes
Decorators Supply Corp.
Illingworth Millwork, LLC
Klise Mfg. Co.
Timberlane, Inc.
Wood Window Workshop
Zepa Industries, Inc.

MOLDINGS

Agrell Architectural Carving, Ltd.
Chadsworth Columns
Decorators Supply Corp.
Historic Doors
Illingworth Millwork, LLC
Klise Mfg. Co.
Wood Window Workshop
Zepa Industries, Inc.

PANELING

Connor Homes
Decorators Supply Corp.

STAIRS

Connor Homes
Stairways, Inc.
Zepa Industries, Inc.

WOOD PRESERVATIVES

Abatron, Inc.
Zepa Industries, Inc.

WOOD RESTORATION

Abatron, Inc.
Allegheny Restoration
Daprato Rigali Studios, Inc.
Zepa Industries, Inc.

Abatron, Inc.

800-445-1754; Fax: 262-653-2019

www.abatron.com

Kenosha, WI 53144

Manufacturer of products for restoration & repair: wood consolidation & repair, window & door restoration, concrete patching & resurfacing, metal restoration, moldmaking & casting, structural adhesives, protective coatings, strippers & related products.

Agrell Architectural Carving, Ltd.

415-457-4422; No fax

www.agrellcarving.com

San Rafael, CA 94901

Architectural wood carver & designer: 30 skilled woodcarvers for fast delivery of large custom projects; hand-carved molding, panels, capitals, mantels, appliques & religious furnishings; complex wood construction & custom furniture.

Allegheny Restoration

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www.alleghenyrestoration.com

Morgantown, WV 26507

Manufacturer of reproduction & custom wood doors & windows: window replication, restoration & repair; art glass; hardware replacement; storefronts & ecclesiastical projects; 15 years of experience; nationwide.

Click on no. 1004

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www.alliedwindow.com

Cincinnati, OH 45241

Manufacturer & installer of Invisible Storm Windows®: custom colors, shapes & glazing materials; aluminum; sound-reduction protection from UV & vandalism; interior & exterior; commercial & residential applications.

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www.alpinesnowguards.com

Morrisville, VT 05661

Manufacturer of snow-retention devices for every roof type: pad & pipe styles; copper, aluminum, brass & zinc; custom; easy to install; free advice & recommended layout patterns for delivering snow-retention solutions.

American Restoration Tile, Inc.

501-455-1000; Fax: 501-455-1004

www.restorationtile.com

Mabelvale, AR 72103

Custom manufacturer of historical tile: for fireplaces, flooring, kitchens, baths & custom mosaics; restoration & new construction; custom matching of glazed & unglazed tile.

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www.americantinceilings.com

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Architectural Archive

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www.antiquemfg.com

Van Nuys, CA 91405

Supplier of lighting fixtures & art glass: custom bronze & alabaster chandeliers; stained-glass panels; antique & reproduction art glass; for residences, hotels, resorts, casinos, restaurants & government projects.

Architectural Components, Inc.

413-367-9441; Fax: 413-367-9461

www.architecturalcomponentsinc.com

Montague, MA 01351

Manufacturer of reproduction & custom wood windows & doors: true-divided lites with insulated glass; wood-framed storm sash & screens; renovation & restoration projects & new construction; paneled walls & storefronts; catalog \$5.

Call for more information.

Architectural Grille

800-387-6267; Fax: 718-832-1390

www.archgrille.com

Brooklyn, NY 11215

Manufacturer of custom grilles: perforated & linear bar grilles; radiator covers; aluminum, brass, steel & stainless steel; variety of finishes; stock sizes; water-jet & laser cutting.

Click on no. 2220

Architectural Iron Co.

800-442-4766; Fax: 570-296-4766

www.architecturaliron.com

Milford, PA 18337

Manufacturer of historical wrought- & cast-iron items: columns, benches, fences, gates, cresting, cast-iron window sash weights & more; restoration & custom casting; foundry & blacksmithing; field removal & installation services.

Architectural Resource Center

800-370-8808; Fax: 603-942-7465

www.aresource.com

Northwood, NH 03261

Supplier of historically styled hardware: sash pulleys, lifts & locks, sash chain & rope; weather stripping; patented sash weights.

Click on no. 1670

Architectural Timber & Millwork

800-430-5473; Fax: 413-586-3046

www.atimber.com

Hadley, MA 01035

Supplier of antique wood, flooring, timber framing, cupolas, steeples, weathervanes, cornices, columns, arbors & more: restoration & renovation work; antique & reproduction barns.

Artistic Doors & Windows

800-278-3667; Fax: 732-726-9494

www.artisticdoorsandwindows.com

Avenel, NJ 07001

Custom manufacturer of architectural hardwood windows & doors: profiles from contemporary to exact landmark-approved replication; doors from 1 3/8"- to 3-in. thick, 20-90 min. fire-rated 1 3/4-in. doors; meets IBC 2000 requirements.

Artistry in Architectural Grilles

516-488-0628; Fax: 516-488-0728

www.aagrilles.com

New Hyde Park, NY 11040

Custom designer & manufacturer of extensive line of linear bar & perforated grilles: more than 70 years' experience supporting the architectural, interior design, building, construction, engineering & HVAC industries; affiliate members of the American Institute of Architects NY, Chicago and Long Island chapters & member of the U.S. Green Building Council (USGBC).

Call for more information.

Authentic Designs

800-844-9416; Fax: 802-394-2422

www.authenticdesigns.com

West Rupert, VT 05776

Manufacturer of historical lighting fixtures & specialty metal products: chandeliers, lanterns, sconces & table lamps crafted in brass, copper, verme metal & Vermont maple; Early American & Colonial; CUL/UL listed for wet & damp locations; library binder \$30.

Ball & Ball Lighting

610-363-7330; Fax: 610-363-7639

www.ballandball.com

Exton, PA 19341

Fabricator of historical lighting: chandeliers, sconces, pendants, lanterns & table lamps; Early American & Turn of the Century styles; antique & salvaged originals, new designs, custom work & reproductions; stair handrails; restoration services.

Belden Brick Co., The

330-456-0031; Fax: 330-456-2694

www.beldenbrick.com

Canton, OH 44702

Manufacturer of brick: variety of colors, textures, sizes & stock & custom shapes; color matching; jack arches, water tables, bullnoses, coping caps, pavers, face brick, brick sculpture/murals & more.

Click on no. 1891

Bella Dura, Inc.

225-346-4045; No fax

www.belladura.com

Baton Rouge, LA 70802

Producer of classical stone elements: structural & decorative; monumental & subtle; columns, pediments, quoins, cornices, paving & every variety of molding & opening detail; balustrades, pool decking & coping; pergolas, arbors, archways; exterior & interior details.

Bill's Custom Metal Fabrications

516-333-3562; Fax: Same as phone

www.ironcrafters.com

Westbury, NY 11590

Manufacturer of ornamental metalwork: railings, furniture, fireplace doors, mantels, hardware & candelabras; handcrafted & hand forged.

Bird-X, Inc.

800-662-5021; Fax: 312-226-2480

www.bird-x.com/tbd

Chicago, IL 60612

Manufacturer of bird & pest control products: SPIKES Needle Strips, sticky gels, nets, ultrasonic & visual devices; for landmark status, museums, industrial, commercial & residential properties.

Bovard Studio, Inc.

641-472-2824; Fax: 641-472-0974

www.bovardstudio.com

Fairfield, IA 52556

Restorer, designer & fabricator of stained-glass windows; faceted glass, mosaics & hand-crafted wood, aluminum & steel frames; protective glazing systems vented for stained-glass conservation, U.S. patent #7607267; replicates lost stained-glass windows.

Brandt, Sylvan

717-626-4520; Fax: 717-626-5867

www.sylvanbrandt.com

Lititz, PA 17543

Manufacturer of salvaged wood flooring, ceiling boards & paneling: wide board, random width & weatherboard (barn siding); chestnut, oak, pine, heart pine, cypress, walnut, hemlock, fir & hickory; doors & hardware.

Click on no. 3950

Brosamer's Bells

517-592-9030; Fax: 517-592-4511

www.brosamersbells.com

Brooklyn, MI 49230

Supplier of pre-owned bells: more than 40,000 lbs. in stock; restoration of cast-bronze bells; yard, fire engine, railroad, church & tower bells; many styles; all sizes.

Click on no. 7130

Brusso Hardware

212-337-8510; Fax: 212-337-9840

www.brusso.com

Belleville, NJ 07109

Designer & manufacturer of architectural & fine hardware: commercial & residential; precision tolerances; made with premium materials; pulls, latches, knobs & hinges; made in USA.

Click on no. 1836

Buon Fresco

888-637-3726; No fax

www.bfresco.com

Alexandria, VA 22312

Creator of interior murals & decorative paintings: faux finishing, graining & marbling; Venetian plaster; gilding services.

Campbellsville Industries, Inc.

800-467-8135; Fax: 270-465-6839

www.cvilleindustries.com

Campbellsville, KY 42718

Manufacturer & installer of architectural metalwork: steeples, columns, cupolas, street clocks, railings, balustrades, finials, domes, weathervanes & louvers; aluminum, copper, zinc & lead-coated copper.

Chadsworth Columns

910-763-7600; Fax: 910-763-3191

www.columns.com

Wilmington, NC 28401

Manufacturer of authentically correct architectural columns: complete line of columns, piers, pilasters & posts for interior & exterior use; variety of sizes, styles & materials, including wood; more than 20 years.

Click on no. 1580 for PolyStone; 180 for wood

Charley's Greenhouse & Garden Supply

800-322-4707; Fax: 360-873-8264

www.charleysgreenhouse.com

Mount Vernon, WA 98273

Manufacturer of aluminum-framed TwinWall &/or glass hobby greenhouses: sizes 2x6 ft. to 20x50 ft.; freestanding & attached; SolarGro & Estate models; Heritage Cedar models; indoor environmental equipment controls & other indoor growing supplies; specializing in polycarbonate for building & reglazing existing greenhouses; free catalog; since 1975.

Chelsea Decorative Metal Co.

713-721-9200; Fax: 713-776-8661

www.thetinman.com

Houston, TX 77074

Manufacturer of pressed-tin ceiling & wall panels: tin-plated steel has shiny silver finish, can be painted with oil-based paint; 3-, 6-, 12- & 24-in. patterns ranging from Art Deco to Victorian; easy-to-install 2x4-ft. sheets.

Click on no. 190

Chestnut Specialists, Inc.

860-283-4209; No fax

www.chestnutspec.com

Plymouth, CT 06782

Manufacturer of antique wood for flooring: chestnut, oak, pine & hemlock; hewn barn beams, weathered siding & sheathing planks.

Call for more information.

Cityproof Windows

718-786-1600; Fax: 718-786-2713

www.cityproof.com

Long Island City, NY 11101

Manufacturer & installer of custom-made interior window systems: aluminum, storm/screen combo, arched & custom shapes; mechanical fastenings; acrylic, lexan, UV-resistant, standard, low-E, tempered, laminated & etched-glass glazing.

Click on no. 2390

Classic Ceilings

800-992-8700; Fax: 714-870-5972

www.classicceilings.com

Fullerton, CA 92831

Supplier of decorative wall & ceiling ornament: pressed-metal wall & ceiling tiles, tin ceiling panels, cornices & backsplashes; decorative stampings; perforated tin ceiling panels & tin ceiling imitations; crown moldings & more.

CoCo Architectural Grilles & Metalcraft

631-482-9449; Fax: 631-482-9450

www.cocometalcraft.com

Farmingdale, NY 11735

Fabricator of grilles & architectural metal products: stainless steel, brass, aluminum & steel; linear bar grilles, perforated; custom work.

Compass Ironworks

717-442-4544; Fax: 717-442-1948

www.ironworkclassics.com

Gap, PA 17527

Fabricator of wrought-iron metalwork: gates, fences, railings, décor; family owned; hand crafted; historical styles; recycled content.

Click on no. 2048

Connor Homes

802-382-9082; Fax: 802-382-9084

www.connorbuilding.com

Middlebury, VT 05753

Home builder: homes & more; follies, garden houses, pool houses, storage sheds; mantels, kitchen cabinets, barns, millwork, paneling, stairs & stair parts.

Click on no. 2064

Conrad Schmitt Studios, Inc.

800-969-3033; Fax: 262-786-9036

www.conradschmitt.com

New Berlin, WI 53151

Creator, conservator & restorer of decorative painting: stained & art glass; ornamental plaster work & ceilings; gilding; murals, mosaics & statuary; for public & religious buildings; since 1889.

Click on no. 8040; 1841 for art glass; 1839 for ecclesiastical specialties

Coppa Woodworking

310-548-4142; Fax: 310-548-6740

www.coppawoodworking.com

San Pedro, CA 90731

Manufacturer of wood screen doors & storm doors: more than 300 styles; pine, Douglas fir, oak, mahogany, cedar, knotty alder & redwood; any size; many options; arch & roundtop, double, French doors, doggie doors, window screens & more.

Country Carpenters, Inc.

860-228-2276; Fax: 860-228-5106

www.countrycarpenters.com

Hebron, CT 06248

Manufacturer of pre-cut, pre-engineered New England-style post-&-beam carriage houses, garden sheds & country barns: family owned & operated; since 1974; catalog \$5.

Click on no. 1439

Crenshaw Lighting

540-745-3900; Fax: 540-745-3911

www.crenshawlighting.com

Floyd, VA 24091

Manufacturer of decorative lighting fixtures: period & custom designs; historical restoration & reproduction; lighting for worship.

Click on no. 313

Crittall Windows, Ltd.

011-44-1376530800; Fax: 011-44-1376530801

www.crittall-windows.co.uk/us/

Witham, Essex, U.K. CM8 3UN

Manufacturer of steel window & door systems: single hung, casement, pivot, awning, projecting, fixed lite & round top; historical restoration & renovation; minimum maintenance; custom shapes & sizes; recycled/recyclable steel content.

Custom Home & Commerical Accessories

800-265-0041; Fax: 916-635-0228

www.customhomex.com

Rancho Cordova, CA 95742

Manufacturer of metalwork accessories: decorative, locking & commercial mailboxes in aluminum, brass, copper & stainless steel; signs made of brass, bronze & stone; copper weathervanes & cupolas.

Click on no. 527

Daprato Rigali Studios, Inc.

773-763-5511; Fax: 773-763-5522

www.dapratorigali.com

Chicago, IL 60126

Designer, fabricator & restorer: stained glass, marble, statuary, decoration/conservation, project management & consultation; artwork for historic & religious buildings; decorative painting & mosaic design; statuary; works in marble & bronze.

Decorators Supply Corp.

800-792-2093; Fax: 773-847-6357

www.decoratorssupply.com

Chicago, IL 60609

Manufacturer of classic architectural elements: 13,000 appliques for woodwork, furniture & walls; plaster crowns, ceiling medallions, ceilings, niches & swags; 900 sizes of column capitals, plaster capitals, corbels & columns; 15 styles of traditional wood mantels; Classically inspired grilles; since 1883.

Click on no. 210

Deep Landing Workshop

877-778-4042; Fax: 410-778-4070

www.deeplandingworkshop.com

Chestertown, MD 21620

Manufacturer of custom lighting fixtures: chandeliers, sconces, pendants & lanterns; new designs, historic reproductions & custom work; handcrafted in wood, tin, brass or copper; glass, mica or alabaster shades.

Click on no. 809

Design Associates, Inc.

203-407-8913; Fax: 203-407-8915

60 Connolly Parkway, Bldg. 2C, Ste. 208B

Hamden, CT 06514

Custom fabricator of automated gates: automation, communication, video & control systems; mahogany & forged steel; custom pier lights & fences; state-of-the-art technology.

E.R. Butler & Co.

212-925-3565; Fax: 212-925-3305

www.erbutler.com

New York, NY 10012

Manufacturer of historically accurate, premium-quality hardware for doors, windows & furniture: brass, bronze, nickel, silver & wrought iron; complete design selections of Early American period hardware; many finishes.

Click on no. 2260

EJMcopper, Inc.

407-447-0074; Fax: 407-447-0075

www.ejmcopper.com

Orlando, FL 32804

Custom fabricator of copper products: cupolas, dormers, weathervanes, finials, vents, kitchen hoods, awnings, chimney caps & more.

EverGreene Architectural Arts, Inc.

212-244-2800; Fax: 212-244-6204

www.evergreene.com

New York, NY 10001

Decorative-arts studio: murals, decorative painting, gilding, plaster, wood, metal, stone & mosaics; new design, conservation & restoration; ecclesiastical, institutional, public & commercial projects; offices in NYC & Chicago.

Click on no. 2460 for decorative painting;

743 for ecclesiastical specialties; 2678 for plasterwork

Fifthroom.com

888-293-2339; Fax: 724-444-5301

www.fifthroom.com

Gibsonia, PA 15044

Supplier of garden furnishings: furniture, garden houses, gazebos, greenhouses, pavilions, arbors, benches & bridges; ceiling fans.

Click on no. 2037

Figurative Art Studio, LLC

925-408-3446; No fax

www.erikblome.com

Crystal Lake, IL 60014

Art studio: commissioned bronze sculpture; monumental historical pieces, children, birds, portraits & more.

Fine Architectural Metalsmiths

845-651-7550; Fax: 845-651-7857

www.iceforge.com

Chester, NY 10918

Designer & custom fabricator of ornamental metalwork: period-appropriate motifs; custom lighting; curved, straight & monumental stairs; driveway & garden gates; grilles; hand-forged & wrought iron, bronze & aluminum.

Firedance Studio, LLC

609-644-4044; Fax: same as phone

www.firedancestudio.com

Hopewell, NJ 08525

Decorative metal studio: artist François Guillemin creates high-quality bronze sculpture & ornamental arts in metal; lighting, sculpture, metalwork & more.

Flaherty Iron Works, Inc.

703-971-7653; Fax: 703-971-8040

www.flahertyironworks.com

Alexandria, VA 22310

Custom fabricator of hand-forged metalwork: sculpture, gates, railings & furniture.

Click on no. 1241

Forerunner Creations

718-209-7030; Fax: 718-513-3737

www.forerunnercreations.com

Brooklyn, NY 11236

Custom foundry shop: specializes in historic landmark metalwork; railing, fencing, cornices, handrails & more; stainless steel, brass, bronze, copper, aluminum, cast iron; restoration, replication & new designs.

Foster Reeve & Associates, Inc.

718-609-0090; Fax: 718-609-0061

www.fraplaster.com

Brooklyn, NY 11222

Custom manufacturer of architectural & ornamental plaster for interiors & exteriors: in-house sculptors; design development (CAD) engineering & full project management services; commercial & residential.

Gaby's Shoppe

800-299-4229; Fax: 214-748-7701

www.gabys.com

Dallas, TX 75207

Manufacturer of handcrafted decorative iron drapery hardware: for curved & angled bay windows & arches; 30 standard finishes; more than 100 finial options.

Click on no. 2520

Gavin Historical Bricks, Inc.

319-354-5251; Fax: 319-688-3086

www.historicalbricks.com

Iowa City, IA 52245

Supplier of antique paving & building materials: specialists in new construction with an Old World look as well as historic restoration projects; pavers, cobblestones, clinker brick & more.

Click on no. 8079

Gerald Siciliano Studio Design Associates

718-636-4561; Fax: 702-442-7847

www.geraldsicilianostudio.com

Brooklyn, NY 11215

Custom fabricator of fine art: liturgical sculpture, architectural details, capitals, fountains, fireplaces & mantels; bronze, granite, marble & stone; interior & exterior; repair & restoration; studio & fieldwork; 30 years of experience.

Glass Heritage, LLC

563-324-4300; Fax: 563-324-4321

www.glassheritage.com

Davenport, IA 52806

Art-glass studio: fabricator & restorer of stained glass & leaded glass; custom blown glass; sand blast etching; glass painting.

Gotham Metalworks

718-786-1774; Fax: 718-786-7214

www.gothammetals.com

Long Island City, NY 11101

Fabricator of sheet-metal products: cornices, cupolas, skylights, railings, capitals, gutters, domes, dormers & custom ornamental stamping; for replications, renovations & new construction projects.

Click on no. 2042

Grand Light

800-922-1469; Fax: 203-785-1184

www.lightrestoration.com

Seymour, CT 06483

Restorer of historic lighting fixtures & manufacturer of custom lighting fixtures: metal fabrication, glass fabrication, metal finishing, polishing, painting, welding, abrasive blasting; replication.

Click on no. 2006

Haddonstone (USA), Ltd.

719-948-4554; Fax: 719-948-4285

www.haddonstone.com

Pueblo, CO 81001

Manufacturer of classical & contemporary cast limestone: columns, balustrades, benches, planters, pavers, fountains, gazebos, interior ornament, mantels, statuary & more; 500+ designs; custom designs.

Click on no. 4020

HeartWood Fine Windows & Doors

585-340-9085; Fax: 585-254-1760

www.heartwoodwindowsanddoors.com

Rochester, NY 14606

Manufacturer of custom architectural wood windows & doors: Honduras mahogany & other species; traditional mortise-&-tenon construction; standard & decorative glazing; related window & door hardware; 68-year-old company.

Click on no. 1911

Heather & Little Limited

800-450-0659; Fax: 905-475-9764

www.heatherandlittle.com

Markham, ON, Canada L3R 0H1

Fabricator & supplier of historical sheet-metal roofing & specialty architectural sheet metal: finials, cornices, leader heads, cresting, metal shingles, pressed-metal siding, cupolas, steeples, domes, reproductions; capitals & balustrades; Kalemien & lot-line metal windows & doors.

Click on no. 2470

Heritage Cast Iron USA

877-855-4766; Fax: 918-592-2385

www.heritagecastironusa.com

Tulsa, OK 74107

Supplier & distributor of traditional 19th-century inspired cast-iron gates, fences & railings: 9 collections include code-compliant pre-hung driveway gates, garden gates, modular fences, posts & fittings; CAD files on request; most products in stock for immediate delivery.

Herwig Lighting

800-643-9523; Fax: 479-968-6422

www.herwig.com

Russellville, AR 72811

Designer & manufacturer of handcrafted cast metalwork: period-design lanterns, street lighting, posts, custom outdoor lighting, street clocks, benches, bollards, custom plaques, signs & more; aluminum & bronze; since 1908.

Click on no. 9130

Hiemer & Company Stained Glass Studio

973-772-5081; Fax: 973-772-0325

www.hiemco.com

Clifton, NJ 07011

Stained-glass studio: designer, fabricator & installer of ecclesiastical stained glass since the 1880s; permanent staff of certified journeymen specialize in traditional & contemporary liturgical design; expert restorations.

Historic Doors

610-756-6187; Fax: 610-756-6171

www.historicdoors.com

Kempton, PA 19529

Custom fabricator of wood windows & doors: casing; circular & crown moldings; complete entryways; wood storefronts; restoration & period-style construction.

Historical Arts & Casting, Inc.

800-225-1414; Fax: 801-280-2493

www.historicalarts.com

West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: doors, windows, hardware, stairs, balustrades, registers, fences, lighting, gutters, columns, weathervanes, snow guards, cupolas, planters, fireplace tools & more; iron, bronze, aluminum & steel; restoration services.

Hope's Windows, Inc.

877-800-5010; Fax: 716-665-3365

www.hopeswindows.com

Jamestown, NY 14702

Manufacturer of custom steel windows & doors: stainless-steel & security screens, storm sash & a full line of ornate replacement hardware.

Click on no. 2065

House of Antique Hardware

888-223-2545; Fax: 503-233-1312

www.hoah.us

Portland, OR 97232

Manufacturer & supplier of vintage reproduction door, window, shutter, cabinet & furniture hardware & accessories: Federal, Victorian, Colonial Revival, Craftsman & Deco styles; lighting fixtures, push-button switches & plates; bathroom accessories; registers & grilles.

Hyland Studio, The

408-748-1806; Fax: 408-748-0160

www.hylandstudio.com

Santa Clara, CA 95050

Art glass studio: restoration of stained & leaded glass; design & fabrication of new custom stained glass; leaded glass & etched glass creations; exterior protection & conservation of stained glass; all architectural styles.

Click on no. 2061

idh by St. Simons

714-288-9870; Fax: 714-288-9820

www.idhbrass.com

Fullerton, CA 92831

Manufacturer of solid-brass decorative hardware & bath accessories: flush & surface bolts, door pulls, window & cabinet hardware, hinges, catches & latches & more.

Click on no. 2066

Illingworth Millwork, LLC

315-232-3433; Fax: 315-232-3645

www.jimillingworthmillwork.com

Adams, NY 13605

Manufacturer of custom wood windows, doors & moldings: for homes & historic buildings; matches any existing wood windows, doors, moldings; custom millwork.

Innerglass Window Systems

800-743-6207; Fax: 860-651-4789

www.stormwindows.com

Simsbury, CT 06070

Manufacturer of custom glass interior storm windows for energy conservation & soundproofing: out performs almost any replacement; automatically conforms to the opening, compensating for out-of-square conditions; no sub-frame needed; all glazing options available; easy do-it-yourself installation.

Click on no. 909

Inspire Roofing Products

800-971-4148; No fax

www.inspireroofing.com

Brea, CA 92821

Supplier of premium composite slate & shake roofing products: 100% recyclable blend of limestone & synthetic resins; looks like slate; 6 profiles; Class A or C fire; Class 4 hail & 110 mph wind uplift ratings; transferable 50-year limited lifetime warranty.

John Canning Conservation & Painting Studios

203-272-9868; Fax: 203-272-9879

www.JohnCanningCo.com

Cheshire, CT 06410

Restorer, conservator & designer of decorative finishes, ornamental plaster & wood: historic paint analysis; plaster consolidation & stabilization; decorative paint, murals, interior & exterior gilding, wood graining, metal & stone cleaning.

Click on no. 5100

John Tiedemann, Inc.

877-600-2666; Fax: 201-991-3419

www.johntiedemann.com

North Arlington, NJ 07031

Restorer of interior elements: interior painting & design, liturgical renderings, decorative granite flooring, faux finishes, murals & frescoes, gilding, art glass, fine art, paint & plaster analysis, historic analysis & testing.

John Wehrle Artworks

510-872-9217; Fax: 510-234-0645

www.troutinhand.com

Richmond, CA 94805

Creator of custom murals: paint & ceramic tile; interior & exterior; site-specific in-situ or studio works; sculptural commissions.

Kayne & Son Custom Hardware

828-667-8868; Fax: 828-665-8303

www.customforgedhardware.com

Candler, NC 28715

Manufacturer of forged- & cast-metal hardware: strap, H, HL, butterfly & butt hinges; thumb-latch locksets, gate hardware, shutter dogs & more; fireplace tools; grilles; bathroom accessories & kitchen equipment; restoration; catalog \$5.

Kees Architectural Division

800-889-7215; Fax: 920-876-3065

www.kees.com

Elkhart Lake, WI 53020

Custom fabricator of architectural stamped, waterjet-cut & bar grilles & registers: baseboards & radiator covers in stamped & perforated metal; wide variety of patterns & thicknesses.

Click on no. 1335

King Architectural Metals

800-542-2379; Fax: 800-948-5558

www.kingmetals.com

Dallas, TX 75228

Wholesale supplier of ornamental & architectural metal components: staircases, handrails, gates, fences, furniture, mailboxes, lampposts, finials & fireplace screens; wrought iron & aluminum.

Click on no. 418

Klise Mfg. Co.

616-459-4283; Fax: 616-459-4062

www.klisemfg.com

Grand Rapids, MI 49505

Custom manufacturer of decorative wood & metalwork: for interiors, cabinetry, wine cellars & furniture; catalog of 6,000 traditional & transitional designs available; residential & commercial projects; since 1910.

Kolbe & Kolbe Millwork Co.

800-955-8177; Fax: 715-845-8270

www.kolbe-kolbe.com

Wausau, WI 54401

Manufacturer of windows & doors: traditional details; extruded aluminum-clad, roll-formed aluminum-clad, wood & vinyl energy-efficient windows & doors; fiberglass doors.

Lake Shore Industries, Inc.

800-458-0463; Fax: 814-453-4293

www.LSISIGNS.com

Erie, PA 16502

Manufacturer of cast-aluminum & bronze signs & plaques: street signs, town seals, historical markers, building letters, lighted & non-lighted signs, lampposts, cast bases for street signs, posts, bollards.

Lantern Masters, Inc.

818-706-1990; Fax: 818-706-1988

www.lanternmasters.com

Westlake Village, CA 91362

Custom designer & manufacturer of lighting: interior chandeliers, pendants, ceiling flushes & sconces & exterior lanterns including wall, flush wall, pendant, post & pilaster; many architectural periods; historical reproductions.

Click on no. 1239

Lehmann Glass Studio

510-465-7158; Fax: Same as phone

www.lehmannglass.com

Oakland, CA 94607

Custom manufacturer of wheel-cut art-glass panels: etched & beveled art glass; door & lighting-fixture glass; historic & modern designs; historical reproductions.

Ludowici Roof Tile, Inc.

800-945-8453; Fax: 740-342-0025

www.ludowici.com

New Lexington, OH 43764

Manufacturer of clay tile roofing: many patterns, finishes & colors; Imperial ceramic slate tile; good freeze/thaw properties; low moisture absorption; 75-year limited warranty; reclaimed tiles; restoration & new construction; flooring.

Click on no. 2760

Lynne Rutter Murals & Decorative Painting

415-282-8820; No fax

www.lynnerrutter.com

San Francisco, CA 94107

Creator of fine art murals: trompe l'oeil & wall & ceiling murals; painted onsite or on canvas to be installed anywhere; church work; works nationally & internationally.

Manning Lighting, Inc.

920-458-2184; Fax: 920-458-2491

www.manningltg.com

Sheboygan, WI 53082

Supplier of contemporary & traditional lighting: custom church lighting; restoration of historical fixtures for courthouses & institutional buildings.

Marvin Windows and Doors

888-537-7828; Fax: 651-452-3074

www.marvin.com

Warroad, MN 56763

Manufacturer of wood windows & doors: clad & clad-wood; special shapes; custom sizes & more than 11,000 standard sizes; historical replicas; interior & exterior storm windows.

Click on no. 1907 for doors; 1263 for windows

Michael Davis Stained Glass

718-383-3712; Fax: Same as phone

www.michaeldavisglass.com

Long Island City, NY 11101

Art glass studio: vases; stained-glass commissions & restoration; blown-glass replicas & commissions, bulls-eye & clear glass; custom door & window glass; glass casting & fusing, lighting, architectural installation & consultation.

Mike Curtis Wildlife Bronze Sculptures

208-263-8074; No fax

www.mikecurtis.com

Sagle, ID 83860

Designer & fabricator of bronze wildlife sculpture: bald eagle, eagle statues & monuments; limited editions.

Monarch Stone International

949-498-0971; Fax: 949-498-0941

www.historiceuropeancobblestone.com

San Clemente, CA 92673

Supplier & importer of Historic European Cobblestone: genuine antique 100- to 400-year-old reclaimed granite or sandstone cobblestone & salvaged antique curb from Europe; wide selection of sizes, including a thin paver; large quantities; nationwide shipping.

Munns Manufacturing, Inc.

435-257-5673; Fax: 435-257-3842

www.munnsmf.com

Tremonton, UT 84337

Manufacturer of prefabricated metal architectural products: steeples, cupolas, domes, dormers, clocks & bell towers, cornices & weathervanes; installation services; over 25 years of experience.

New World Stoneworks

508-278-7060; Fax: 508-278-7014

www.newworldstoneworks.com

King of Prussia, PA 19406

Supplier of natural stone: matches historic stone; mantels; photographs of existing stonework, extracts pattern & delivers complete hand-chiseled job.

Click on no. 2026

NIKO Contracting Co., Inc.

412-687-1517; Fax: 412-687-7969

www.nikocontracting.com

Pittsburgh, PA 15213

Custom fabricator & contractor of sheet metal & roofing: slate, tile & other roofing; storefronts, cornices, cupolas, domes, steeples, snow guards & leader heads; copper, lead-coated copper, zinc & stainless steel; metal ceilings.

Click on no. 861 for ceilings; 8300 for roofing

Nixalite of America, Inc.

800-624-1189; Fax: 800-624-1196

www.nixalite.com

East Moline, IL 61244

Manufacturer of humane bird-control products: stainless-steel needle strips, Fliteline wire deterrent & 3 types of bird netting; visual, chemical & audible systems; free technical & planning services with direct order.

O.K. Foundry Co., Inc.

804-233-9674; Fax: 804-233-6240

www.okfoundrycompany.com

Richmond, VA 23224

Supplier of cast-iron elements: sculpture, columns & capitals, fencing, bollards, stanchions, mantels, fireplaces, chimneys & accessories.

Parrett Windows & Doors

800-541-9527; Fax: 877-238-2452

www.parrettwindows.com

Dorchester, WI 54425

Manufacturer of custom, quality wood & aluminum-clad windows & doors: vast array of options, numerous wood species & complete finishing capabilities; historical replications; screen doors, casings & moldings.

Click on no. 3003

Phelps Company

603-336-6213; Fax: 603-336-6085

www.phelpscompany.com

Hinsdale, NH 03451

Manufacturer of traditional hot-forged solid-brass window hardware: sash pulleys, weights, chains, lifts & locks; stop-bead adjusters, spring bolts, window ventilation locks, push-out casement hardware, storm/screen-door latch sets & more.

Click on no. 6001

Phoenix Window Technologies

303-816-5500; Fax: 303-816-5501

www.phoenixwindow.net

Conifer, CO 80433

Custom manufacturer of vintage style wooden windows, sash, storms, screens, doors & storefronts: energy & technology upgrades; patented high-efficiency storm window system achieves .28 to .20 whole window U-factors.

Preservation Products, Inc.

800-553-0523; Fax: 610-891-0834

www.preservationproducts.com

Media, PA 19063

Manufacturer & distributor of Acrymax restoration & preservation systems for historic metal roofs: durable weatherproof membrane can be used as complete roof system or for repair; Acrymax is an energy star partner.

Click on no. 8180

Rambusch Lighting Co.

201-333-2525; Fax: 201-860-9999

www.rambusch.com

Jersey City, NJ 07304

Designer & fabricator of custom & engineered lighting for 100 years: for churches & public spaces; conservation & replication of lighting fixtures.

Reggio Register Co., The

800-880-3090; Fax: 978-870-1030

www.reggioregister.com

Leominster, MA 01453

Manufacturer of grilles & registers: for forced-air & high-velocity systems; cast iron, brass, aluminum, steel & wood; handcrafted to last for generations.

Click on no. 5810

Richards-Wilcox, Inc.

800-253-5668; Fax: 630-897-6994

www.rwhardware.com

Aurora, IL 60506

Manufacturer of historical reproduction door hardware: for gates, slide, swing & slide-fold doors; strap hinges, door pulls, bolts, latches, trucks & track for doors weighing up to 5,000 lbs.; Turn of the Century designs & replicas.

Robinson Iron Corp.

800-824-2157; Fax: 256-329-8960

www.robinsoniron.com

Alexander City, AL 35010

Designer & installer of custom metalwork: fountains, columns, fences, doors, railings, sculpture, benches, grilles, cresting, street lighting & gazebos; wrought iron/steel, aluminum, bronze & cast iron; historical restoration.

Rocky Mountain Hardware

888-788-2013; Fax: 208-788-2577

www.rockymountainhardware.com

Hailey, ID 83333

Manufacturer of handcrafted solid-bronze architectural hardware: door, window, bath, sink & cabinet hardware & kitchen accessories; 7 different finishes; traditional, contemporary & other styles.

Rohlf's Stained & Leaded Glass Studio

914-699-4848; Fax: 914-699-7091

www.rohlfstudio.com

Mount Vernon, NY 10550

Designer, fabricator & installer of new stained & leaded glass: restoration & replication; protective glazing; beveled, carved & fused/slumped glass; steel casement retrofitting; mosaics; established in 1920.

Click on no. 6240 for stained glass; 1480 for windows

Rugo Stone, LLC.

571-642-2672; Fax: 571-642-2678

www.rugostone.com

Lorton, VA 22079

Masonry contractor: exterior stonework & façade restoration.

Click on no. 1883

Schiff Architectural Detail, LLC

617-887-0202; Fax: 617-887-0127

www.schiffarchitecturaldetail.com

Chelsea, MA 02150

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Click on no. 7730

Scofield Historic Lighting

860-767-7032; Fax: 888-860-9266

scofieldlighting.com

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Fabricator of handmade reproduction lighting: antique & custom chandeliers, sconces & lanterns; heavy-gauge copper, steel, tin & wood; inspired by American & European designs from 17th through 19th centuries; various finishes & patinas.

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Shuttercraft, Inc.

203-245-2608; Fax: 203-245-5969

www.shuttercraft.com

Madison, CT 06443

Manufacturer of authentic mortise-&-tenon wood shutters: cedar & mahogany, exterior movable & fixed louver, board & batten & raised panel; cutouts, capping, arches & more; hinges & holdbacks; interior louvers, Colonial panels & open frame; painting services; made in USA; family-owned company since 1986; ships nationwide.

Click on no. 1321

SnoBlox-SnoJax

800-766-5291; Fax: 717-697-2452

www.snoblox-snojax.com

Mechanicsburg, PA 17055

Supplier of 6 models of polycarbonate snow guards: all feature large, forward-mounted faces to help prevent the movement of snow & ice on metal roofs; vent protection.

St. Louis Antique Lighting Co.

314-863-1414; Fax: 314-863-6702

www.slalco.com

Saint Louis, MO 63130

Manufacturer & supplier of architectural lighting: all styles; historical reproductions & custom lighting; restoration services; commercial & ecclesiastical projects.

Click on no. 6190

Stairways, Inc.

800-231-0793; Fax: 713-680-2571

www.stairwaysinc.com

Houston, TX 77018

Designer & manufacturer of spiral stairs: in wood (any species), metal, stainless steel, aluminum & brass; stock or custom; any size; ships worldwide.

Click on no. 4870

Steptoe & Wife Antiques, Ltd.

416-780-1707; Fax: 416-780-1814

www.steptoewife.com

Toronto, ON M6B 1V9 Canada

Fabricator of architectural metalwork: cast-iron spiral & straight staircases, railings, gates & grilles; iron, aluminum & steel fabrication for renovation & restoration projects; gazebos.

Stone Legends

800-398-1199; Fax: 214-398-1293

www.stonelegends.com

Dallas, TX 75217

Manufacturer of handmade architectural & landscape elements in cast stone: columns, signage, niches, pool coping, pavers, caps & finials for piers & walls, planters, fountains, gazebos, statuary, benches, mantels & more; restoration.

Stonesculpt

650-575-9683; Fax: 650-322-5002

www.customstonecarving.com

East Palo Alto, CA 94303

Custom fabricator of hand carvings in natural stone: stone carving, masonry restoration, custom stone work & sculpture.

Click on no. 371

Subway Ceramics

888-387-3280; No fax

www.subwaytile.com

Verona, WI 53593

Supplier of historically authentic ceramic tile: field tile, moldings & trim pieces; flooring; mosaics; Victorian style.

Click on no. 1794

Swiatek Studios

716-597-6683; No fax

www.swiatekstudios.com

Buffalo, NY 14221

Restoration services: for churches & historical landmarks; decorative painting, statue restoration, brass plating, stained-glass restoration; murals, stenciling, faux finishes, gilding, marbling, carpentry, trompe l'oeil & decorative plaster.

The Sculpture Foundation

310-264-2400; Fax: 310-264-2403

www.sewardjohnson.com

Santa Monica, CA 90404

Sculptor: J. Seward Johnson, Jr.; realistic, life-size bronze exterior & garden sculpture.

Tile Roofs, Inc.

888-708-8453; Fax: 708-479-7865

www.tileroots.com

Frankfort, IL 60423

Importer & distributor of hand-finished European clay roof tile & fittings: custom manufacturing of clay roof tile & fittings to match existing; new & salvaged clay roof tile, concrete roof tiles & fittings; natural slate roofing for new roofs, repairs & additions.

Timberlane, Inc.

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www.timberlane.com

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Click on no. 1056; 1925 for Endurian

UgMO Technologies

484-690-0570; No fax

www.ugmo.com

King of Prussia, PA 19406

Supplier of UgMO ProHome soil-sensor system: underground sensors monitor soil & maintain soil moisture at root level.

Vintage Doors

800-787-2001; Fax: 315-324-6531

www.vintagedoors.com

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Manufacturer of custom exterior & interior wood doors: door hardware, screen doors & storm doors; traditional, Craftsman & Victorian Styles; solid wood & glass panels available.

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www.wfnorman.com

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Manufacturer of sheet-metal ornament: hundreds of stock designs; cornices, moldings, brackets, pressed-metal ceilings, roofing, siding, finials & more; zinc, copper & lead-coated copper; duplication from samples or drawings.

Click on no. 520

Weathercap, Inc.

985-649-4000; Fax: 985-847-1237

www.weathercap.net

Slidell, LA 70459

Manufacturer of soft-lead strips: set & bedded in caulking compound/sealant; forms a cap to create a permanent elastic seal for any masonry joint.

Click on no. 504

Wiemann Metalcraft

918-592-1700; Fax: 918-592-2385

www.wmcrafter.com

Tulsa, OK 74107

Designer, fabricator, finisher & installer of fine quality custom ornamental metalwork: railings, fences, gates, custom, hot-rolled steel doors & windows, lighting, grilles, bronze & aluminum entry doors; all cast- & wrought-metal alloys, finishes & architectural styles; since 1940.

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North Walpole, NH 03609

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717-382-4754; Fax: 717-382-4275

www.architecturalfans.com

New Park, PA 17352

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Click on no. 316

Zepa Industries, Inc.

704-583-9220; Fax: 704-583-9674

www.zepa.com

Charlotte, NC 28273

Supplier of architectural woodwork: stairs, mantels, paneling, wine cellars, furniture, doors & more.

Click on no. 1996

Artwork, Art Glass & Furnishings



This image was created on a building façade using brick from **The Belden Brick Co.** Click on no. 1891.



"Angels Flying the Saints to Heaven" is one of 46 stained-glass windows **Bovard Studio** is making for St. Thomas More Catholic Church in Centennial, CO.



This 1843 cast-bronze River Boat bell is one of many historic models offered by **Brosamer's Bells**. Click on no. 7130.



EverGreene Architectural Arts recreated six monumental WPA-era murals, which had been destroyed by a fire in 1942, for Fair Park in Dallas, TX. Click on no. 2460.



Conrad Schmitt Studios designed and fabricated this traditionally styled stained-glass window for the Bishop Baraga Chapel at St. Peter Cathedral in Marquette, MI. Click on no. 1841.



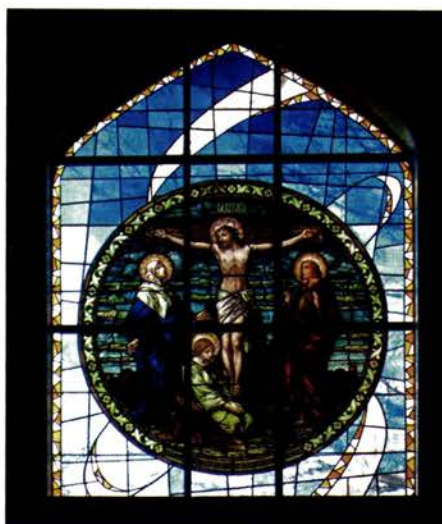
Hand-forged wrought-iron drapery hardware from **Gaby's Shoppe** is offered in many styles. Click on no. 2520.



This alabaster figure, at one point badly broken at the neck, arms and legs, was restored by **Gerald Siciliano Studio**.



Glass Heritage restored this 20x24-ft. stained-glass window, the only one executed by renowned American artist Grant Wood.



Heimer & Company Stained Glass Studio restored this circle window over the altar and reconfigured it into a new background; the original stained glass was designed by Georg Hiemer and fabricated by a German studio.



This mural was designed and painted by **John Tiedemann, Inc.**



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This stained-glass window was created by **Rohlf's Stained & Leaded Glass Studio**.
Click on no. 6240.



Schiff Architectural Detail built this World Food Prize Grain Sculpture light sconce; it was designed by Gensler Architecture and represents four of the world's most important foods: wheat, rice, corn and soybeans. Click on no. 7730.

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These statues of Benjamin Franklin and Johan Gutenberg were recreated and carved in Carrara marble by **Stonesculpt** for Stanford University in California. Click on no. 371.



This cabinet detail from a custom interior shows the skill of the artisans at **Zepso**. Click on no. 1996.

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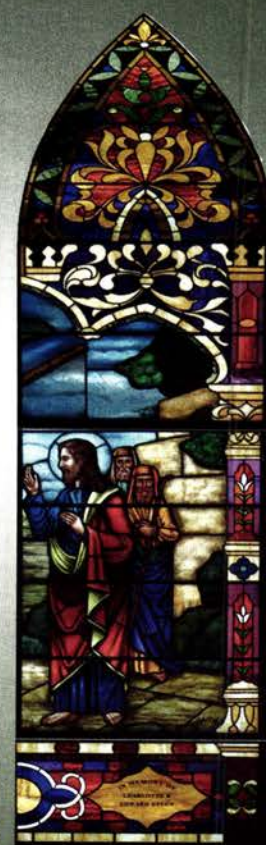
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Haddonstone's representations of the noble eagle
are designed to be positioned at a gateway or at the
entrance to a landscape. Click on no. 4020.



A team from **Canning Studios** restored the murals
and decorative painting at Trinity Church in Boston, MA.
Click on no. 5100.



Swiatek Studios restored and installed the historic
stained-glass windows behind the marquis at the
North Park Theatre in Buffalo, NY.



The Hyland Studio restored the stained glass in St.
Lawrence the Martyr Catholic Church in Santa Clara,
CA. Click on no. 2061.



"McCarthy Bridge" by **John Wehrle** is a 16 x 98-ft. acrylic
mural depicting the history and future of transportation and
energy; it was painted in situ on the exterior wall of Chevron
Technology Center in Richmond, CA.



The "Spirit of America" by
Mike Curtis is
a life-size bald
eagle with a 7-ft.
wingspan; it is
86-in. high and
weighs approxi-
mately 350 lbs.

Columns & Capitals



Gypsum/fiberglass custom Roman Corinthian pilaster capitals manufactured by **Chadsworth** adorn the Pope Chapel at Christopher Newport University. **Click on no. 1580.**



These gilded and glazed capitals were restored by **EverGreene Architectural Arts** for the Dime Savings Bank in New York City.

Click on no. 2460 for Decorative Painting, no. 1841 for Art Glass, or 1839 for Ecclesiastical Specialties.



These fluted columns were supplied by **Haddonstone (USA) Ltd.**

Click on no. 4020.



Canning Studios marbleized these enormous columns in the National Building Museum in Washington, DC. **Click on no. 5100.**



Wiemann Metalcraft fabricated this gazebo, fence and trellis in cast and wrought iron.

Click on no. 1223.

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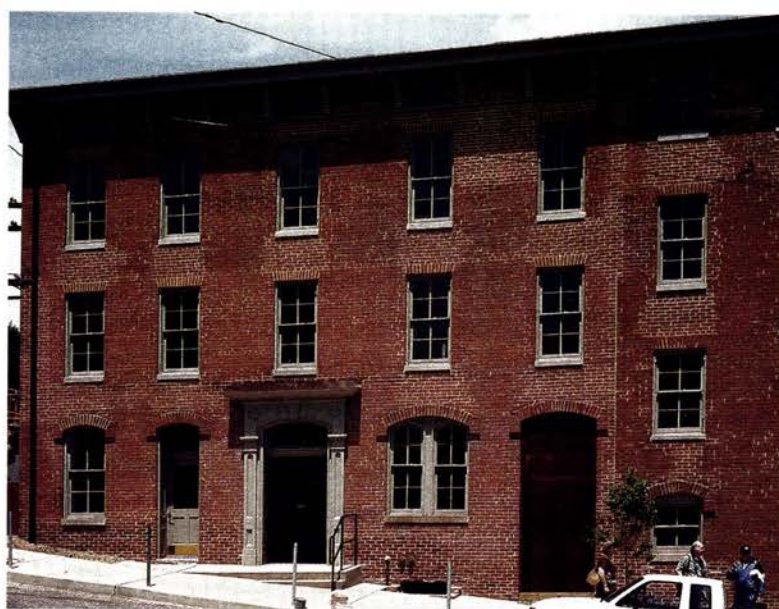
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CLICK ON NO. 1580 FOR POLYSTONE; NO. 180 FOR WOOD

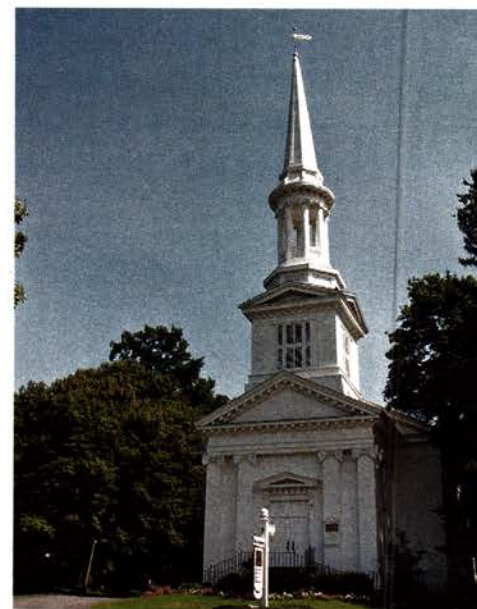
Doors, Windows, Shutters & Hardware



Allied Window manufactured a storm window for this round-top window. Click on no. 690.



Allegheny Restoration repaired and replaced the wood windows for this historic building. Click on no. 1004.



Architectural Components supplied the $\frac{1}{16}$ true-divided-light double-hung windows for the First Church of Christ in Sandwich, MA; they feature insulated restoration glass with weights and chains. Call for more information.



Forged brass pulleys from **Architectural Resource Center** come with both slotted or Phillips head screws. Click on no. 1670.



Interior storm windows from **Cityproof Windows** are designed to reduce noise infiltration. Click on no. 2390.



Brusso Hardware products are made in the U.S. using premium materials; the firm offers a variety of pulls, latches, knobs and hinges. Click on no. 1836.



These steel windows were manufactured by **Crittall Windows**.



Solid-brass architectural and decorative hardware is the specialty of **idh by St. Simons**. Click on no. 2066.



Wood screen doors manufactured by **Coppa Woodworking** are available painted or stained.

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This ornate door handle and matching escutcheon are the work of **E.R. Butler**. Click on no. 2260.



Gotham Metalworks created this copper-covered oriel window, taking into account the complex angular geometry and the integrity of the building's original architecture. Click on no. 2042.



This door and transom were manufactured by **HeartWood Fine Windows & Doors** to fit the original portico of Henry Frick's 1913 home in New York City. Click on no. 1911.



Historic Doors designs and fabricates custom doors and entryways for historic restoration and new construction projects.



Innerglass fabricated the custom glass interior storm windows for this historic building. Click on no. 909.



This custom SoHo entry was manufactured by **Artistic Doors & Windows** to identically match the landmark details from 1898.



This raised-panel door was custom fabricated by **Kolbe & Kolbe Millwork** in mahogany.



Marvin supplied the historically styled doors and windows for the 1936 Lauderdale County Courthouse in Ripley, TN. Click on no. 1907 for doors; 1263 for windows.



This Victorian-style solid mahogany "Primrose" screen/storm door from **Vintage Door**, features oil-rubbed bronze hardware. Click on no. 2034.



Phoenix Window's patented vintage-style wooden storm window system offers modern technology and superior efficiency, while maintaining the appearance of a traditional storm window.

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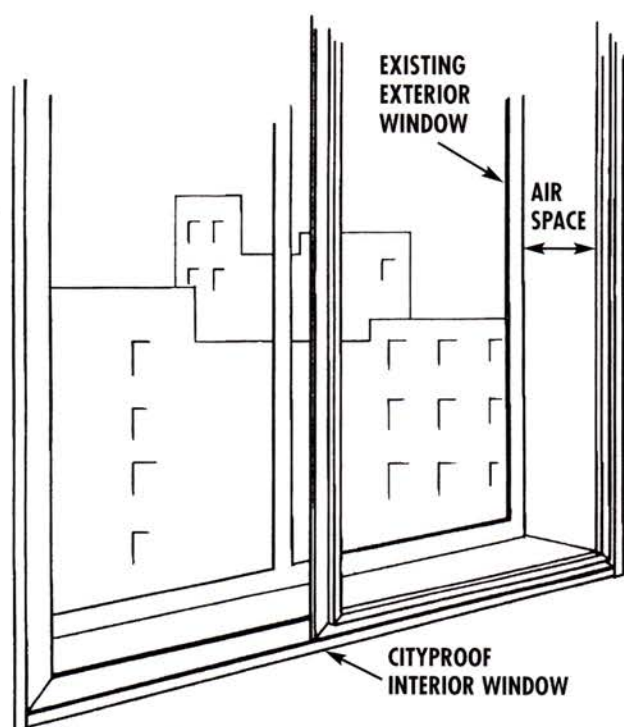
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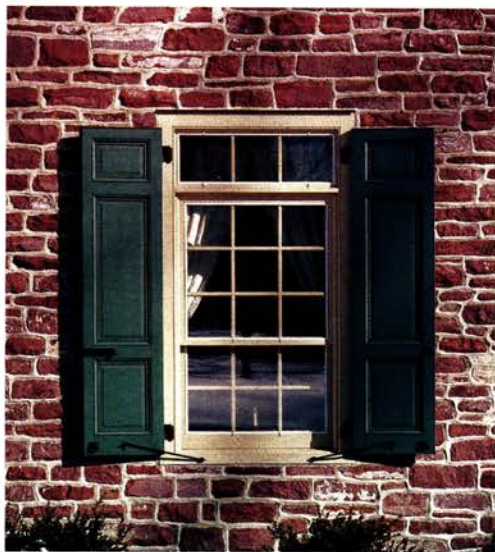
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Timberlane manufactured these recessed-panel shutters. Click on no. 1056; 1925 for Endurian.



House of Antique Hardware offers a wide selection of antique-reproduction entry hardware, as well as hardware for interior doors, cabinets, furniture and windows.



Wiemann Metalcraft fabricated this bronze door with insulated glass. Click on no. 1223.



Rohlf's created new leaded glass and medallions, as well as thermally broken windows and insulated glass, for 18 windows (3 bays of 6 windows) for the Pelham High School Alumni Hall in Pelham, NY. Click on no. 1480.



This casement adjuster from **Phelps Company** is available in oil-rubbed bronze finish. Click on no. 6001.



Custom wood windows such as this curved model are available from **Wood Window Workshop**. Click on no. 9640.

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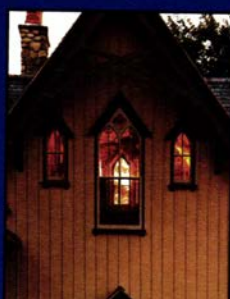
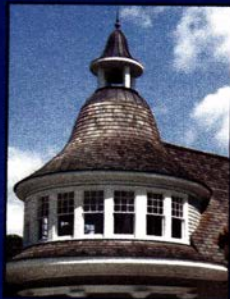
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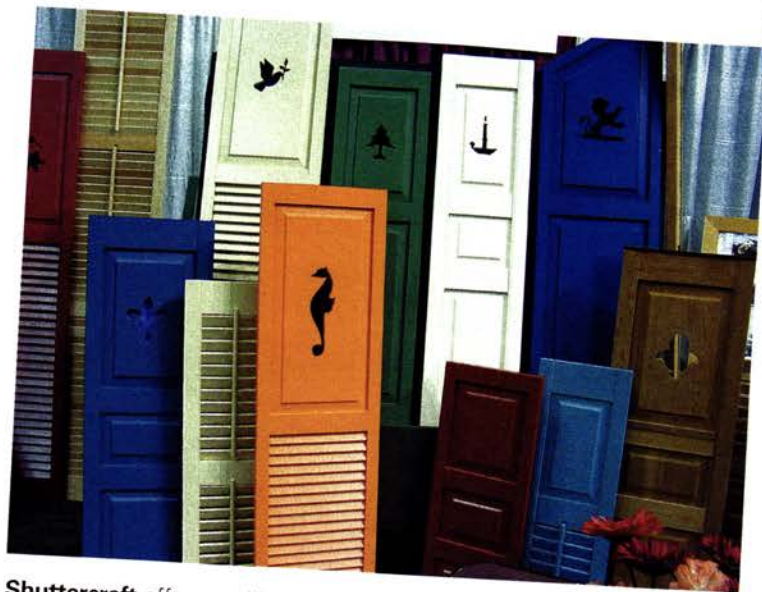
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CLEM LABINE'S TRADITIONAL BUILDING 49

These shutter hooks were fabricated by **Kayne & Son**.



Shuttercraft offers a wide selection of shutters with various cut-outs and in various styles. **Click on no. 1321.**

50 CLEM LABINE'S TRADITIONAL BUILDING



Parrett fabricated these historically styled windows for the Saenger Theatre in New Orleans. **Click on no. 3003.**



These elliptical arched-top French doors with double pane insulated glass were fabricated by **Illingworth Millwork**.



Zepa Industries designed and built these historically styled wood doors. **Click on no. 1996.**

Flooring



Resawn oak flooring from **Sylvan Brandt** is available in 3- to 11-in. widths. **Click on no. 3950.**



American Restoration Tile manufactured this 1-in. hexagonal, unglazed porcelain flooring tile. **Click on no. 8032.**



This random-width chestnut flooring was fabricated from hand-selected, re-milled lumber from **Chestnut Specialists**. Call for more information.

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Interior Elements, Ornament & Finishes



NIKO fabricated and installed the decorative ceiling and ornate cornice moldings for this building. Click on no. 861.



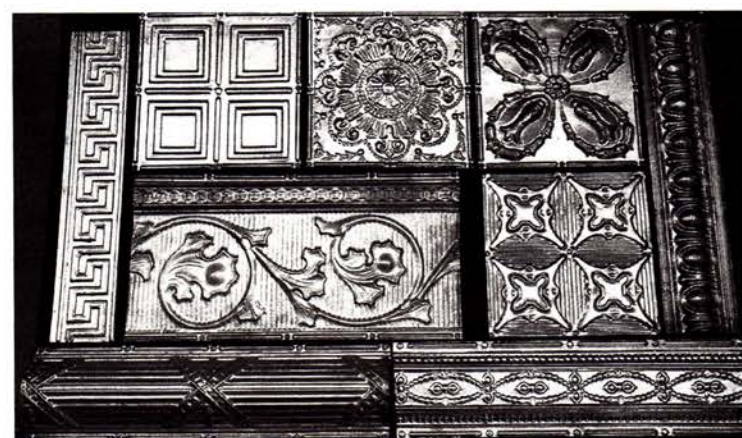
The interior decoration of St. Charles Borromeo in St. Anthony, MN, by **Conrad Schmitt Studios** included an original mural in the dome, custom stenciling and trompe l'oeil techniques. Click on no. 8040.



Composition lineal scroll work and plaster ornamental grille work from **Decorators Supply Corp.** was applied to these walls. [Click on no. 210.](#)



Tommy Guns Salon in Brooklyn, NY, added **American Tin Ceiling Co.** tiles with stainless steel gloss to complement the historic 1800s building. Photo: Ed Reeve. [Click on no. 1822.](#)



W.F. Norman Corp.'s expansive stock of sheet-metal ornament includes pressed-tin ceiling and cornice panels. [Click on no. 520.](#)



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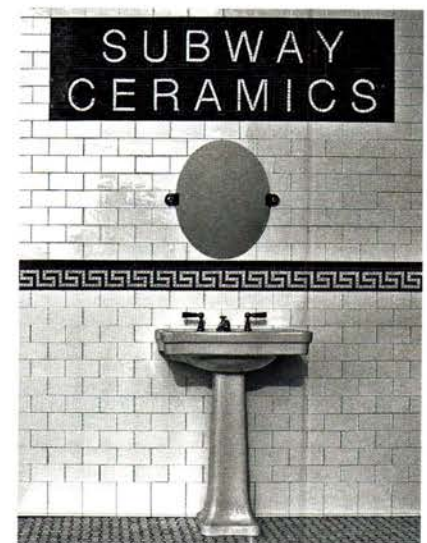
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Canning Studios executed the trompe l'oeil at the Academy of Music in Philadelphia, PA.
Click on no. 5100.



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Chelsea Decorative Metal Co. manufactures pressed-tin ceiling panels in a variety of finishes, including bright copper. Click on no. 190.



The ornamental tin panels for this ceiling were supplied by **Classic Ceilings**.

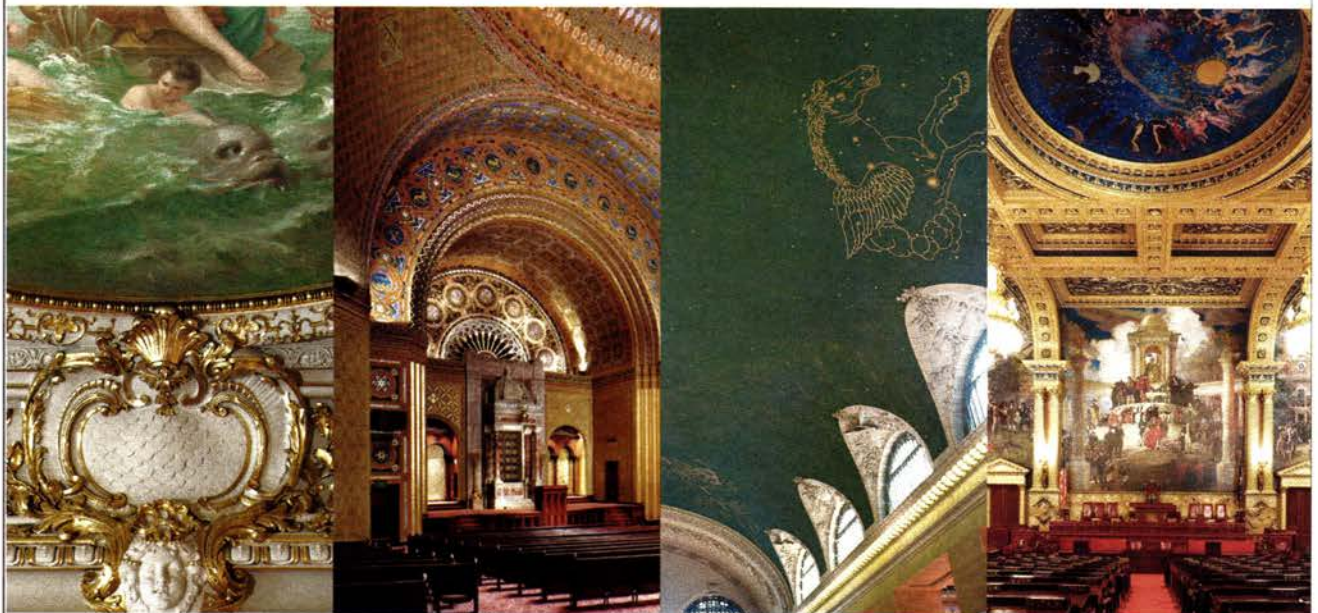


EverGreene Architectural Arts conserved the trompe l'oeil and decorative painting throughout this historic mansion, Dumbarton Oaks, now used by Harvard University. **Click on no. 2460.**

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Schiff Architectural Detail created the Frank McKinney Memorial Fountain for the University of Indiana.
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Landscape, Streetscape & Garden Specialties



This 12x20-ft. two-beam cedar pergola from **Fifthroom.com** creates a pleasant outdoor retreat. Click on no. 2037.



Hand-crafted wrought-iron fences are one of the specialties of **Compass Ironworks**.
Click on no. 2048.



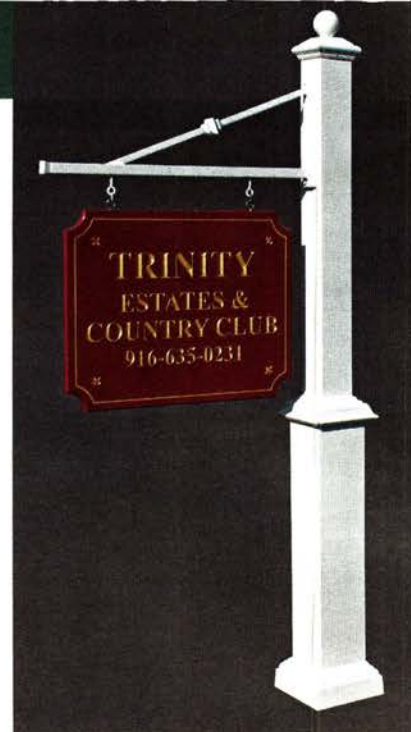
Design Associates supplied the automated system for this custom mahogany gate.



This finished shade house is available from **Charley's Greenhouse & Garden Supply**.



King Architectural Metals fabricated this gate with scroll components and spear points.
Click on no. 418.



Custom Home & Commercial Accessories fabricated this aluminum post with powder-coat finish and an engraved PVC sign; hanging or bolt-on signs are available in cast aluminum, engraved PVC and more. Click on no. 527.



Gavin Historical Bricks supplied the reclaimed Old English cobblestones with rounded tops for this walkway.
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These balusters were manufactured by **Stone Legends**.



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Wiemann Metalcraft replaced all of the historic cast-iron railings, fencing and the widow's walk railings for the rehabilitation of the Logan House in Washington, DC. Click on no. 1223.

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CLEM LABINE'S TRADITIONAL BUILDING 57

Lighting & Electrical



The Artisan Drumcliff Pendant Bowl from **Crenshaw Lighting** features a solid-brass bead and reel banding, heavy gauge quatrefoil appliques, individually custom-slumped glass bowl lens panels, and custom-machined stem break beads arranged in the Fibonacci sequence. **Click on no. 313.**



The three-light model L-1850-SCR from **Deep Landing Workshop** measures 19 3/4-in. tall and 58-in. wide. **Click on no. 809.**



Architectural Archive supplied these sconces for the Millennium Knickerbocker Hotel in Chicago, IL.



Rambusch restored the historical lanterns for Christ Church in Short Hills, NJ.



These ca. 1920-1930 bronze sconces were refurbished by **Schiff Architectural Detail**; they are 60-in. tall x 24-in. deep. **Click on no. 7730.**



This wall-mounted lantern from **Ball & Ball Lighting** comes in two standard sizes: 13x27 in. and 9x22 in.



Authentic Designs offers handmade lighting fixtures in heavy-gauge brass, copper or terne in a wide range of finishes.



Grand Light restored this crystal chandelier for the Minute Man National Historical Park in Concord, MA; the project required the fabrication of several glass arms, glass shades and other missing components. **Click on no. 2006.**



The Sylvania street lamp from **Herwig Lighting** can be obtained with a 10- or 12-ft.-tall post and single, twin or quad-arm units. **Click on no. 9130.**



This exterior lantern was fabricated by **Scofield Historic Lighting**. **Click on no. 4170.**

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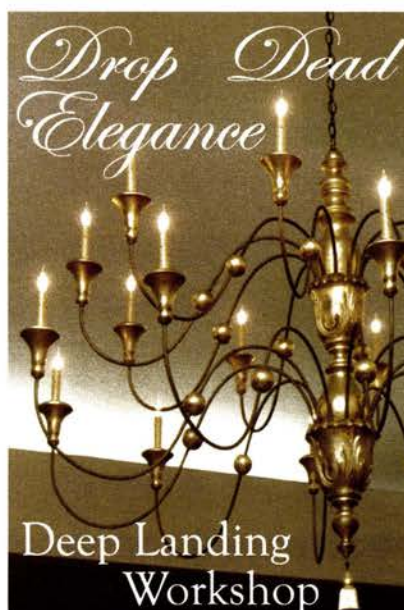


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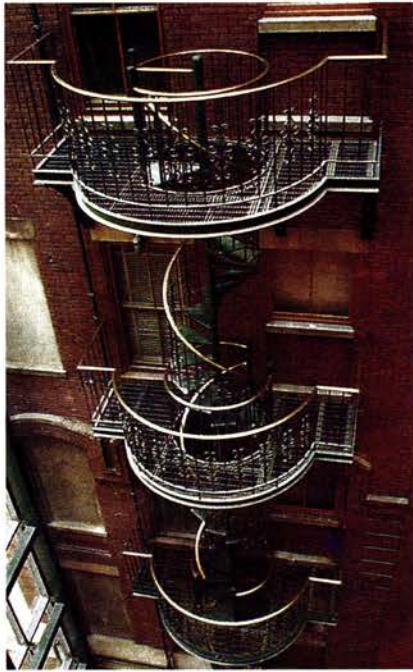


Woolen Mill Fan Co. manufactured the Moa, a belt-and-pulley fan system with an optional line shaft, for Fisher's Restaurant in York, PA. **Click on no. 316.**



St. Louis Antique Lighting Co. restored this fixture for the "World Food Prize" project in Des Moines, IA. **Click on no. 6190.**

Metalwork



Stairways designed and manufactured this 55-ft.-tall spiral metal staircase with a bronze handrail. [Click on no. 4870.](#)



NIKO fabricated this custom zinc spandrel panel. [Click on no. 861 for ceilings; 8300 for roofing.](#)



Schiff Architectural Detail fabricated these ornate railings for an historic neighborhood. [Click on no. 7730.](#)



Shown here is a detail of parcel gilt on the 18th-century English gates restored by **Robinson Iron** at the Nemours Mansion, Wilmington, DE.



These copper balustrades were fabricated by **Heather & Little**. [Click on no. 2470.](#)

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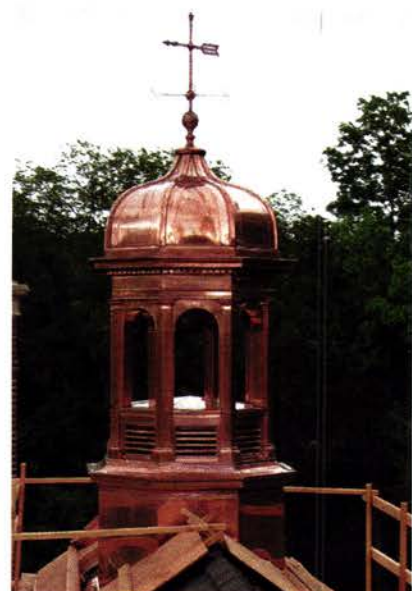


{ Center #162 }

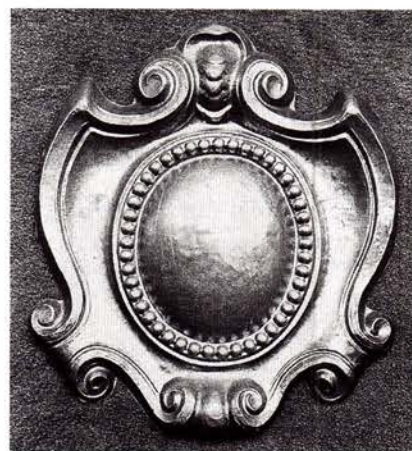
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Steptoe & Wife Antiques fabricated this metal awning.



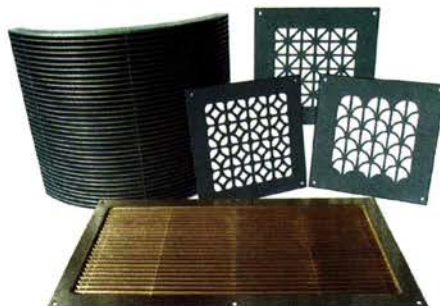
EJM Copper restored this historic copper cupola for a building on Long Island in New York State.



The stock line of ornamental sheet-metal shields from **W.F. Norman** includes model #2920, which measures 20x24 in. **Click on no. 520.**



Architectural Grille custom made these bronze grilles for a restoration project. **Click on no. 2220.**



Kees offers a selection of architectural stamped and bar grilles in historic styles. **Click on no. 1335.**



This 8x64-in. register is available from **The Reggio Register, Co., Inc.**, which produces cast-iron, brass and aluminum registers in many historic patterns. **Click on no. 5810.**

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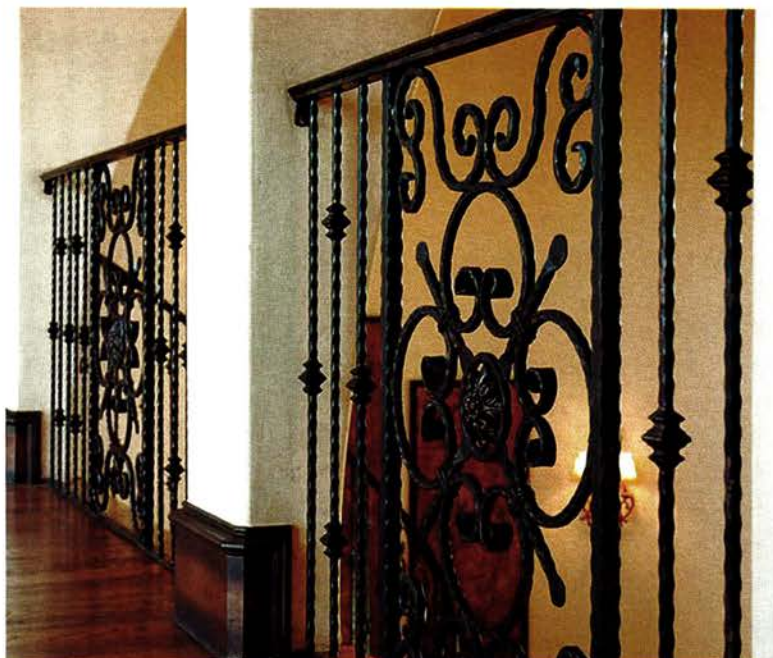
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The Renaissance forgework reproduction for the Dakota inner courtyard gate in New York City was created by **Fine Architectural Metalsmiths**; it includes repoussé center rosettes and strongly arched infill leaves, collared joinery and scrolls, which end in a one, two or three leaf pattern.



This traditionally styled railing was fabricated by **King Architectural Metals**. Click on no. 418.



This ornate metal stair rail was designed and fabricated by **Bill's Custom Metal Fabrications**.



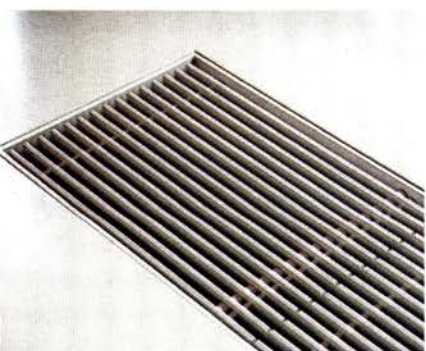
Historical Arts & Casting, Inc. designed and fabricated the bronze and glass canopy for the Henry Morrison Flager Museum in Palm Beach, FL.



Historically styled radiator covers such as the one shown here are the specialty of **Artistry in Architectural Grilles**. Call for more information.



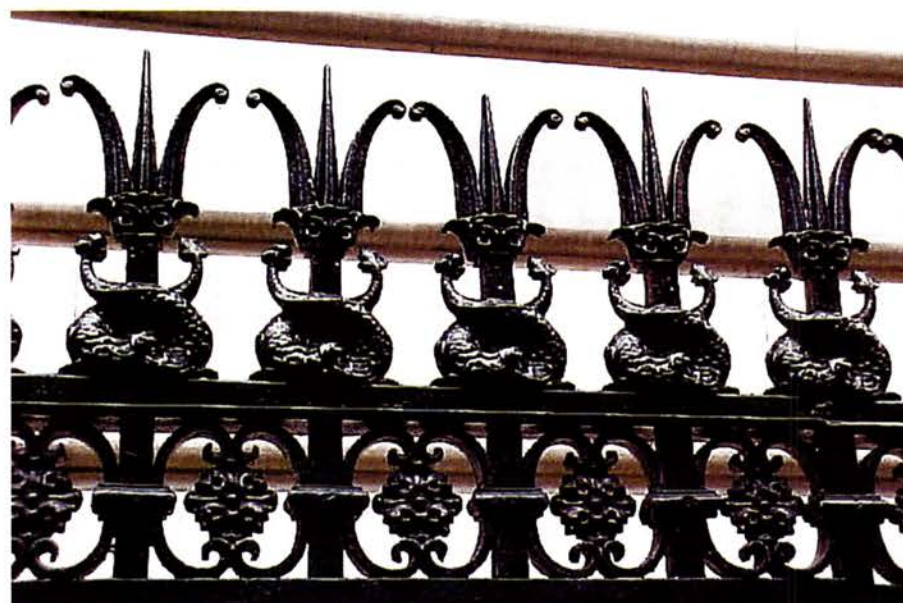
Flaherty Iron Works restored the bronze gates at the National Archives in Washington, DC. Click on no. 1241.



Coco Metalworks offers a selection of grilles and registers.



Campbellsville Industries reproduced the cupola on top of the Bell County Courthouse in Belton, TX.



This ornate cast-iron fence detail shows the skills of the artisans at **Architectural Iron Co.**



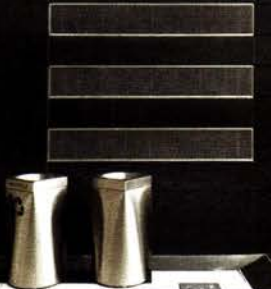
Wiemann Metalcraft fabricated these modular, cast-iron railings for the Walnut Grove development in Lake Charles, LA. [Click on no. 1223.](#)

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This ornate cornice was fabricated by **Gotham Metalworks** for an historic building. Click on no. 2042.



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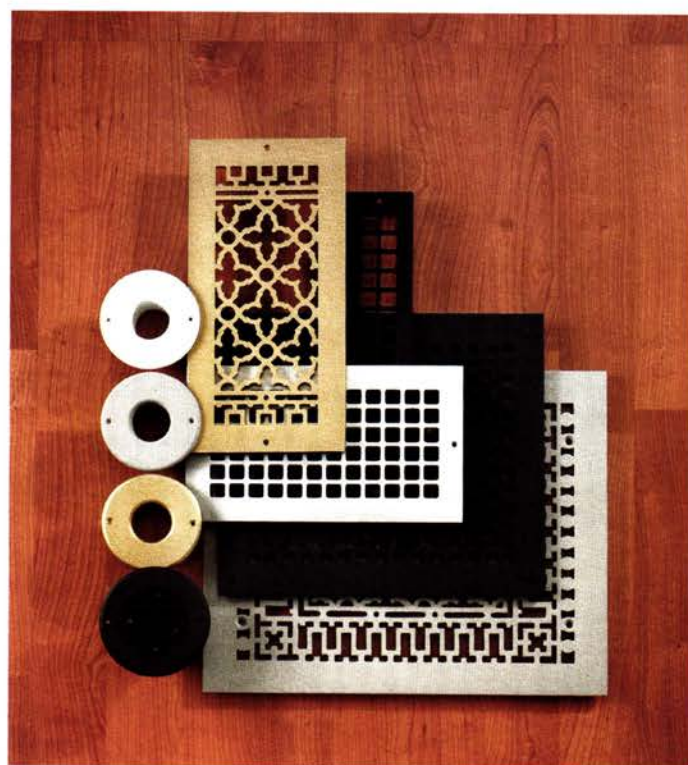
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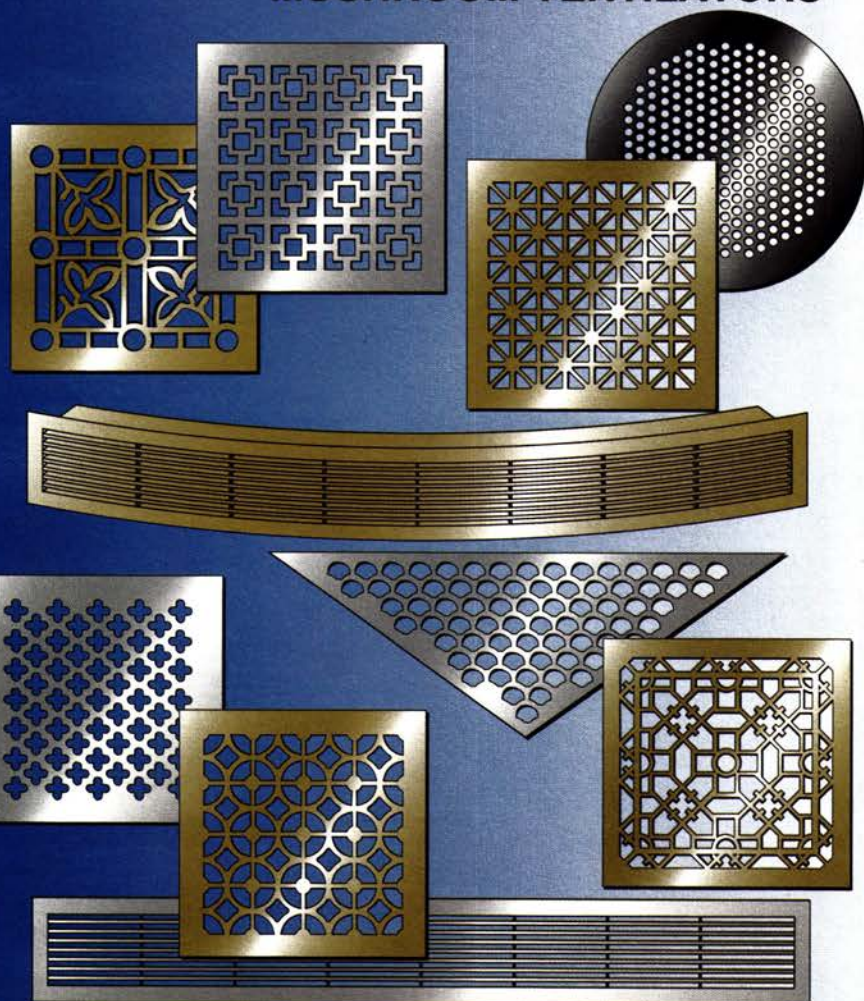


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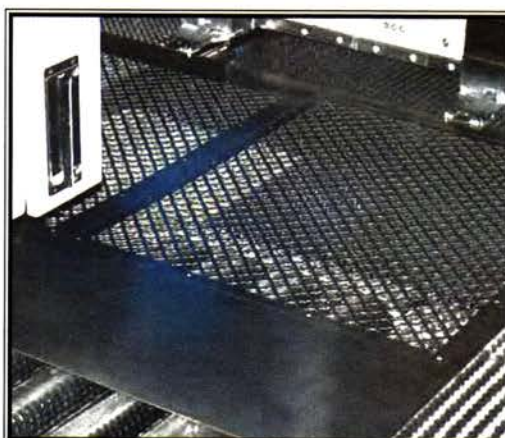
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Professional Services



Canning Studios carried out the conservation, restoration and decorative painting of Battell Chapel at Yale University in New Haven, CT. Click on no. 5100.



Conrad Schmitt Studios removed, conserved, re-leaded and reinstalled the stained-glass of the South Dakota State Capitol; the glass in the rotunda dome and the glass in the barrel-vaulted ceiling went through the extensive conservation process. Craftsmen are shown here lowering the glass for conservation. Click on no. 8040.



This home package kit was custom designed and built by **Connor Homes**. Click on no. 2064.



EverGreene restored the interior and exterior of the Iowa State Capitol dome in Des Moines, IA; work included paint analysis, replicated historic finishes, new application of aluminum leaf, replication of the sky mural and restored scagliola columns. Click on no. 2460 for decorative painting; 743 for ecclesiastical specialties; 2678 for plasterwork.



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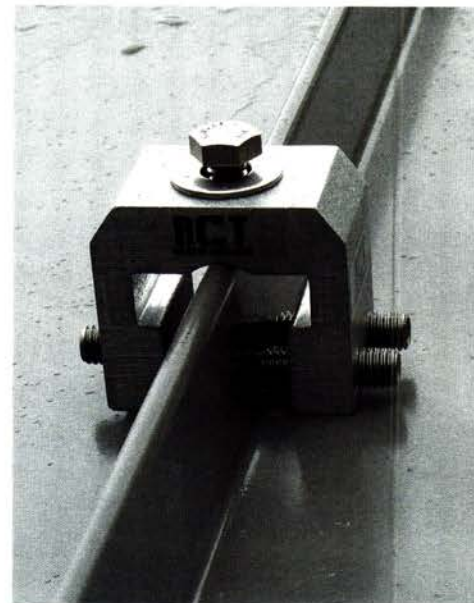
NIKO replaced the slate roof and sheathed the clock-tower dome in copper on the Hancock County Courthouse in Findlay, OH. [Click on no. 8300.](#)



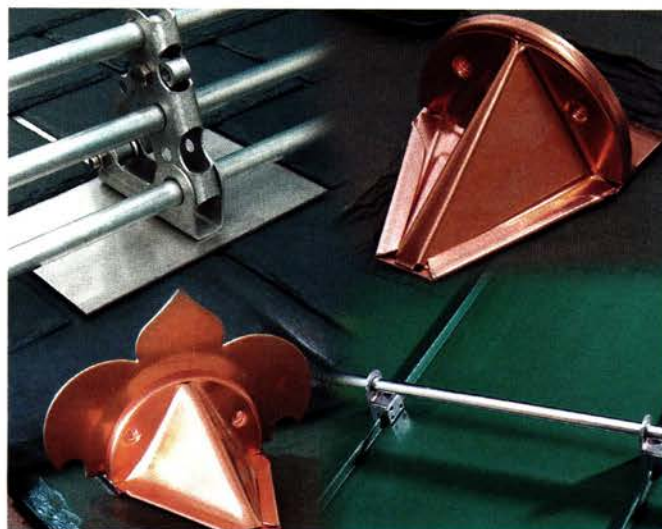
Ludowici Roof Tile, Inc.'s lightweight ceramic shake tile is designed to look like wood and carries a 75-year warranty. [Click on no. 2760.](#)



Gotham Metalworks fabricated this precision plasma-cut replication domed roof for a NYC landmarked building. [Click on no. 2042.](#)



The RoofClamp from **Snoblox** is used to attach metal accessories to rooftops.



Alpine SnowGuards manufactures snow-retention devices for every type of roof.



Bird control netting from **Bird-X** protects historic building from pest bird infestation and damage.



This roofing project completed by **Heather & Little** won a North American Copper in Architecture Award for restoration projects from the Copper Development Association. [Click on no. 2470.](#)



Custom finials from **W.F. Norman** were incorporated into the restoration design of this historic building in Toronto. [Click on no. 520.](#)



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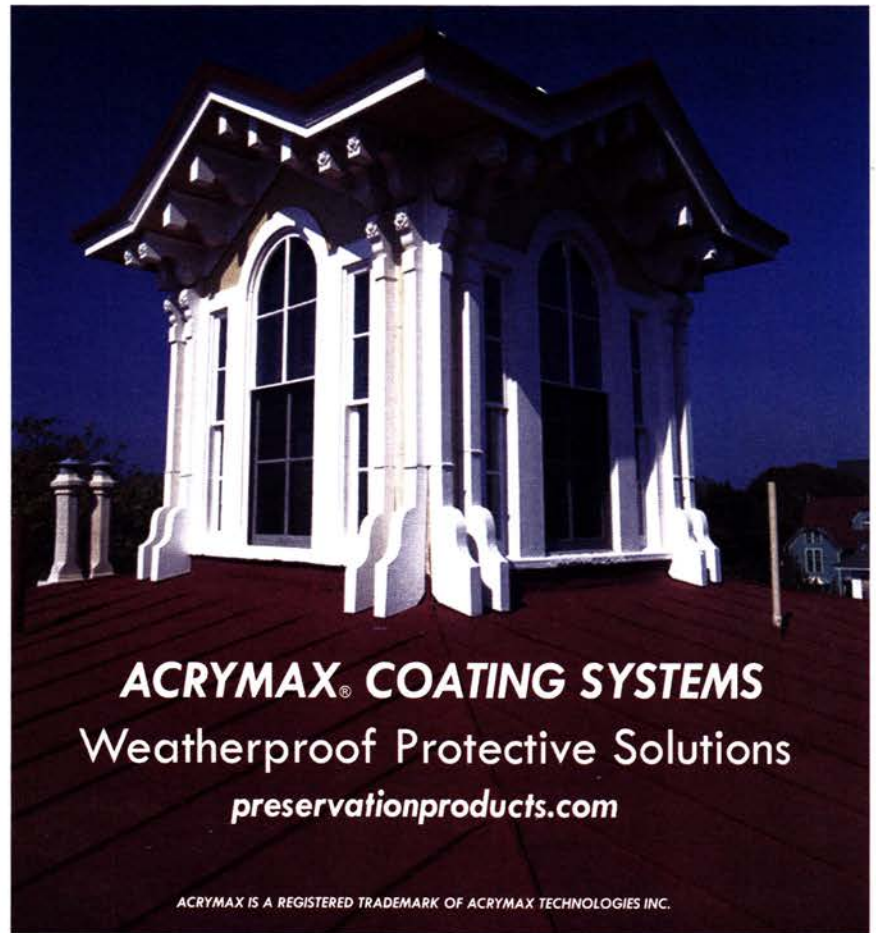
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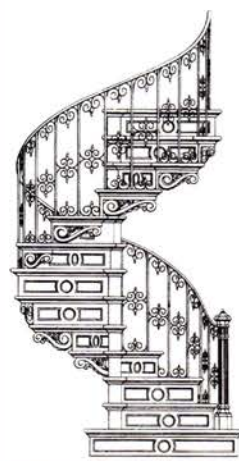
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Bella Dura Architectural Stone produced this stone-carved baptismal pool and font for St. John the Baptist, a 250-year-old church, in Brusly, LA.



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Antique salt-and-pepper pavers from **Gavin Historical Bricks** were used to create this walkway. Click on no. 8079.

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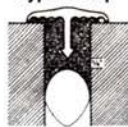


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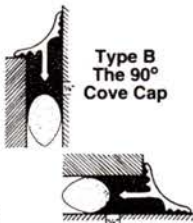
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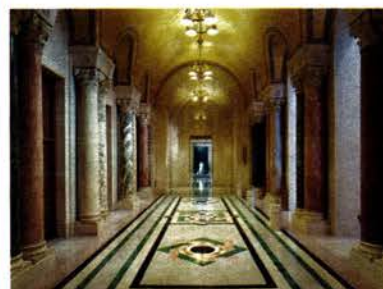
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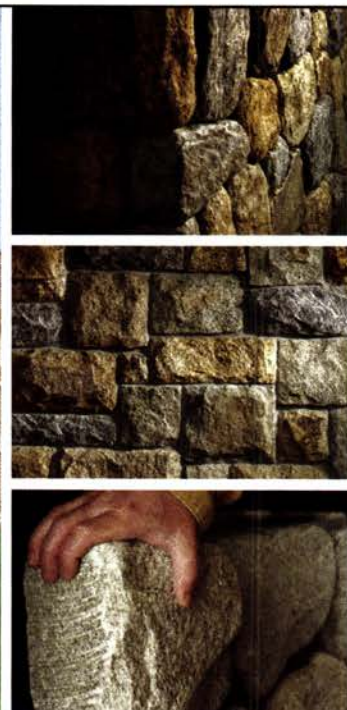
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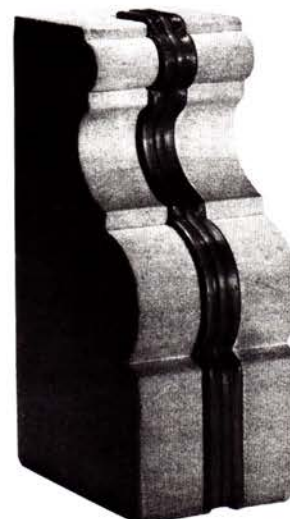
The cleaning and restoration of three marble altars is part of **John Canning & Co.'s** ongoing historical restoration of St. Patrick's Church in Lowell, MA. Click on no. 5100.



A variety of custom-fabricated hand-carved natural-stone elements is available from **Stonesculpt**. Click on no. 371.



The stone altar at the Baltimore Basilica was fabricated by **Rugo Stone**. Click on no. 1883.



Weathercap's soft lead strip embedded in caulk forms a cap or seal that protects any masonry joint. Click on no. 504.

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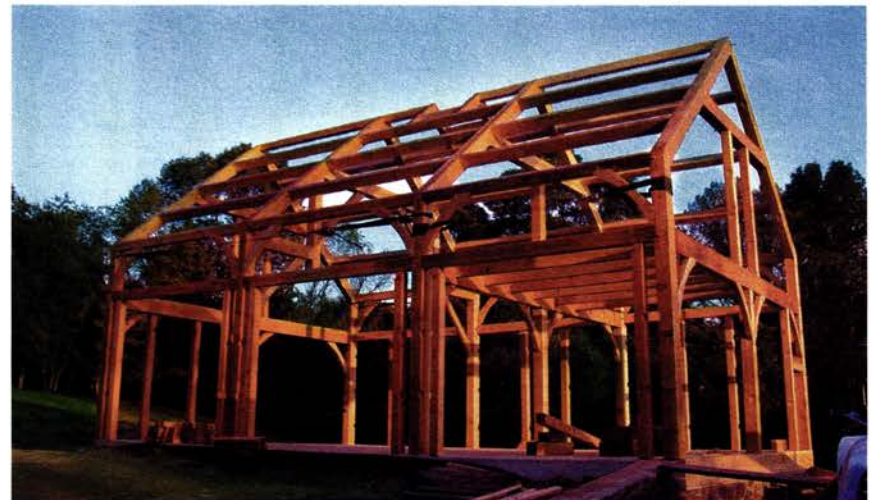
This 1½ story, 22x36-ft. barn and attached 22x36-ft. carriage house were built with a post-and-beam kit from **Country Carpenters**. Click on no. 1439.



Liberty Head Post & Beam built this barn from recycled Douglas Fir timbers in Huntington, VT; it also incorporates renewable solar energy technologies.



A hammer-beam timber frame dominates the Mozart Room, the main conference room of the Trappe Family Lodge in Stowe, VT, erected by **Vermont Timber Works**.



Hugh Lofting Timber Framing built this three-bay carriage house.

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This floral appliqué was created by **Decorators Supply**. Click on no. 210.



Custom interiors are the specialty of **Zepa Industries**. Click on no. 1996.



This staircase from **Stairways** features oak treads. Click on no. 4870.



This artisan from **Timberlane** is putting together a solid kiln-dried western red cedar shutter using mortise-and-tenon joinery. Click on no. 1056; 1925 for Endurian.



Klise's carved lineal molding pattern D2938 has a 4-in. face width and is $\frac{13}{16}$ in. thick; it is one of seven new carved frieze/ chair rail moldings in the firm's stock assortment.



Hand-carved assorted molding is one of many products offered by **Agrell Architectural Carving**.



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CLICK ON NO. 1996

Reviewed by Martha McDonald

It's in the Mail

Art Deco Mailboxes

By Karen Greene and Lynne Lavelle

W.W. Norton & Company, New York, 2015 • 160 pp; softcover; numerous photos; \$26.95 • ISBN 978-0-393-73340-2

In this day and age of email and instant messaging, this little (6 x 9.1 in.) book, by Karen Greene and Lynne Lavelle, is a reminder that letters on paper are still important and that sending them can be a pleasure. The book is a treasure trove of photos and information relating to the history of Art Deco mailboxes. Like its title says, it is "an illustrated design history." It is divided into two parts, "History and Design" and "Gallery of Mailboxes," the photo section.

It all started with the signing into law of the U.S. Patent System by President George Washington in 1790. In 1883, James Goold Cutler, an architect in Rochester, NY, received a patent for a mail chute, allowing those on higher floors to drop mail into a chute instead of walking down several flights of stairs. The invention of the elevator and the development of taller buildings created the environment for the development of the mail chute. The first Cutler-designed mail chute was installed in the Elwood Building, also in Rochester, in 1884, and was an instant success.

From there, mail chutes became prolific and the mailboxes that received the letters in the lobbies became works of art, rather than just utilitarian boxes. They reflected the designs of the times, which for many of these years was Art Deco. The authors outline the growth and development of the industry, explaining the development of the Cutler firm, through its mergers, move to New York City and ultimately to Florida. Other firms are also noted but the Cutler firm outlasted them all. However, it is no longer with us and few of these mailboxes have been manufactured since 1980.

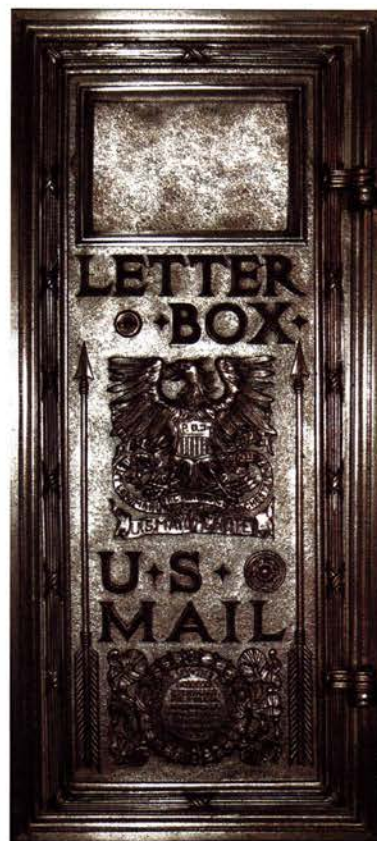
As for design, the bald eagle, the symbol of America, became a predominant logo on the boxes, symbolizing patriotism and strength. Mercury, "the messenger of the gods and the god of commerce and travel in Roman mythology," also appeared on many boxes. The Cutler firm, which received 30 patents, also displayed its name prominently on its mailboxes.

One important point is that quite often the architects had a say in the design of the mailboxes for their buildings. For example, the Woolworth building in New York City, at 60 stories and 792 ft., was the tallest building in the world at the time of its completion. The lobby contains four Cass Gilbert designed brass and marble mailboxes.

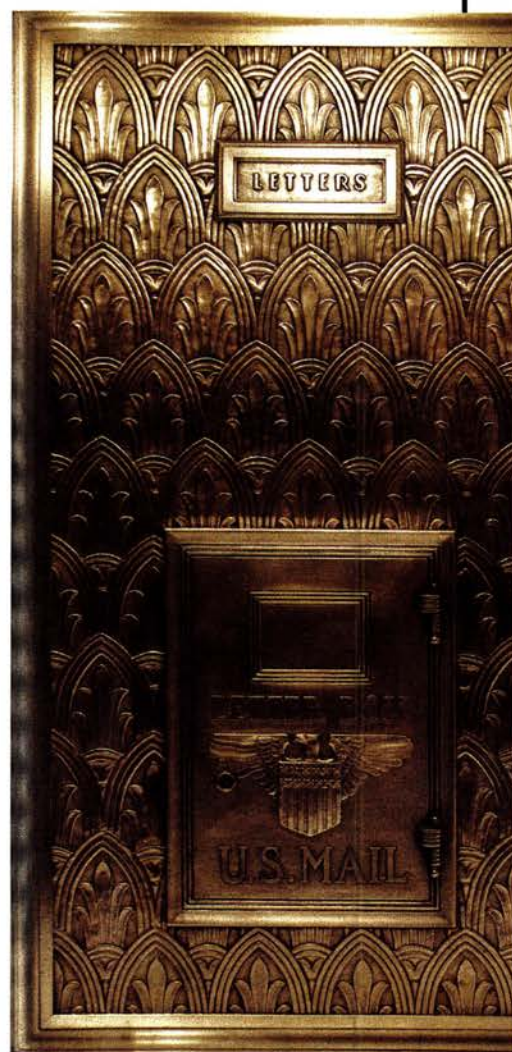
It was followed very soon in 1930 by the Bank of Manhattan Trust at 927 ft. and the Chrysler Building at 1,045 ft. The latter, designed by William Van Alen for William P. Chrysler, founder of the Chrysler Company, contains two architect-designed mailboxes.

While the first part of the book provides an interesting overall history of these commercial mailboxes, most of the book is given over to photos. Starting on page 32, part 2, the "Gallery of Mailboxes" takes the reader through the decades – starting at the 1890s and going through the 1930s – with photos and information on more than 100 historic mailboxes still in operation throughout the country. For the most part, they are arranged one per page, presenting beautiful color photos. It's an absolute delight.

A useful index provides a list of the mailboxes, arranged alphabetically by building name and by city. It should also be mentioned that the design of the book itself is appropriate to the subject matter. Art Deco typefaces and design elements coordinate with the design of the mailboxes themselves.



LEFT: This 1900 mailbox featuring Cutler's trademark logo, the bald eagle with wings spread, is one of the few with the chute still in operation. Most have been sealed. Made by Cutler, it is located in the Lenox Hotel in Boston, MA.



RIGHT: This mailbox is located in New York City, in the 1928 International Telephone and Telegraph Building, designed by Buchman & Kahn.

Photos: Karen Greene

Today, mailrooms have replaced mail chutes, and most of the existing chutes have been sealed. In 1997, the National Fire Protection Association, NFPA, banned the chutes in new construction, "citing concerns that vertical shafts, like chimneys, could spread smoke to all floors in the event of a fire."

Many of us have seen and used these beautiful, historic mailboxes, probably without thinking too much about them. I, for one, will stop and pay attention, the next time I drop a letter into one of these boxes, or the next time I walk by one of them. I may also turn to the index of this little book and find out more about that particular model.

The book is a pleasure to read and also very useful as a reference tool. I highly recommend it to anyone interested in design, particularly Art Deco, or architectural history. These mailboxes are an often-overlooked niche in our design history.

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The Urgent Purpose of Modern Traditional Architecture

Massive redevelopment projects are underway on brown-field sites and discredited urban renewal sites in many American cities. They acknowledge the failure of earlier visions, but their new vision of architecture and urbanism are based on new fashions, not on new purposes.

In one respect, building them differs not one bit from the way cities have always been built and rebuilt: it requires the government's authority. City building always reveals how that authority is used to attain what it considers to be the common good. The actual construction is done by the culture of building, which now embraces developers, financiers and owners, building officials, architects, critics, the related publishing and educational enterprises, and everyone else involved in the design, construction and maintenance of the physical locales where governments operate. This culture of building is necessarily intertwined with the legal, economic and social structure. Together they constitute the traditions that bind a people into an association of individuals united by a common understanding of what constitutes the common good.

The tradition that has long served the common good and has bound people into a community in the city has been kept vital with innovations that draw on new knowledge and address new circumstances. And so too buildings; they draw on tradition and innovation and provide a recognizable expression of the purposes of the institutions that serve the common good. In cities that are loved, the beauty of the whole provides a visible counterpart to the commitment to the common good.

A city's traditional architecture uses an apparatus of forms based on the human analogy (and not the machine analogy) for its public and private buildings, and their hieratic order within the city demonstrates a common agreement about what is valued. Among the buildings the diversity of their compositions and characters express the variety of activities that the city embraces. The entire array of buildings, open areas, and elements binding them into the visible city reveals what its government's authority allows to be built to serve the common good of all of the city's individuals.

In the pre-modern era the authority they displayed ran through the hierarchical order within religious institutions and their lesser counterpart in civil institutions, before reaching down to the commercial activities that sustained them and the residences of those who were remote from that authority. In the 18th century, a pair of revolutions turned this tradition upside down and led to the modern age. One of them came from the challenge to traditional knowledge that modern science and skepticism launched. It would allow the subsequent industrial, commercial and technological revolutions to produce means and ends that architecture eagerly absorbed.

In the early 20th century Modernism emerged from it, promising progress and an exciting future, but they failed to appear. The culture of building that had absorbed the Modernist doctrines turned out to be incapable of serving the traditional purpose of government. It made the best of its political program's failure by having the new fashion in architecture accepted as the aesthetic expression of the modern age.

The other revolution modernized traditional knowledge and the traditional understanding of human wellbeing. It led to a political association founded on the self-evident truth that justice resides not in a hierarchical order of individuals but on the self-evident truth that nature has created all people as political equals. And it has endowed each individual with the capacity to know best how to pursue the fullness of his or her nature

and with reason adequate to work with others in a political association to achieve happiness for themselves and others. This is the American political association that vests authority in majority rule with the protection of minority rights. It ramifies this authority within a broad range of entities from the national union to neighborhood associations and from commercial corporations to institutions of higher learning. They are to build to serve the common good, the public good, and to protect the liberty of each individual to pursue his or her happiness in association with others.

This authority built the American version of the traditional city, but Modernism, tradition's nemesis, then began destroying it and building something else. The Modernist building culture was given the authority to act as the director of a gallery that displays the latest fashions of the architects of the newest top-of-the-line commercial buildings and institutions serving high culture. It is a machine for the production of wealth where roadways serve transportation, not people, and degrade public open areas and where the goods of commerce are more valued than the common good.

The city's service to wealth contrasts sharply with its service to the less prosperous whose facilities are always much more numerous. Modernism blights the buildings lining roadside suburbia, the schools and other public buildings built on the cheap in Modernists hand-me-down styles, and, most egregious of all, the vast tracts of economically segregated cheap suburban single-family residences and apartment complexes. But little better is what is built for those who are prosperous enough to choose where and in what they will live. What they can buy displays the lamentable inability of builders to supply what both the prosperous and the poor want, which is good traditional neighborhoods and buildings.

The only popular movement that has fought Modernism is preservation, but it has recently drunk the Kool-Aid. Having educated people to rally to save traditional buildings, activists and officials are now finding it hard to garner support for Modernist buildings that have reached the threshold age for designation. They also now further betray preservation's purpose by invoking the Modernist dogma that modifications or additions to traditional buildings and districts must be "of our time." They have lost sight of the traditional city, the one Modernism cannot abide or build, and have become mere curators of the city as a museum of styles.

The traditional city is architecture's natural home and the home of the common good. Modernists' best efforts have failed to achieve totalitarian dictatorial authority in the culture of building, and traditional architects are again growing in number and ability. Now they must work to restore authority to the culture of building whose first interest is using architecture to build cities that protect the liberty of each individual to pursue his or her happiness in association with others.

*Carroll William Westfall, the Frank Montana Professor of Architecture at the University of Notre Dame, is an historian of architecture with a special interest in the continuity of its service to the political life of the city. His book, *Architecture, Liberty and Civic Order: Theories of Architecture from Vitruvius to Jefferson and Beyond* is scheduled by Ashgate for publication this summer.*

If you would like to submit a Forum or have an idea for one, please contact editor Martha McDonald at mmcdonald@aimmedia.com.

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