Clem Labine's

Traditional Building

THE PROFESSIONAL'S RESOURCE FOR PUBLIC ARCHITECTURE ■ FEBRUARY 2010

For more information, go to
www.traditional-building.com

45 Main Street, Suite 705
Brooklyn, N.Y. 11201
Change service requested.

2010 Guidebook

PLUS: The Roundtable on Sustainability in the Urban Context

A RESTORE MEDIA PUBLICATION
www.traditional-building.com

Over A Century Of Craftsmanship In Clay

For the past 110 years Milwaukee City Hall has stood as a local icon whose architectural character has distinguished it from all others in the nation. When tasked with the restoration of this historic landmark, public works officials selected dedicated restoration professionals whose architectural philosophy followed historic preservation principles, and whose passion for the successful restoration of the structure was genuine.

Gladding, McBean is proud to have been chosen as a team member for the restoration of this landmark building. Our contribution included the creation of over 13,000 Terra Cotta pieces including 8 large lion head units that weighed 1,000 pounds each.

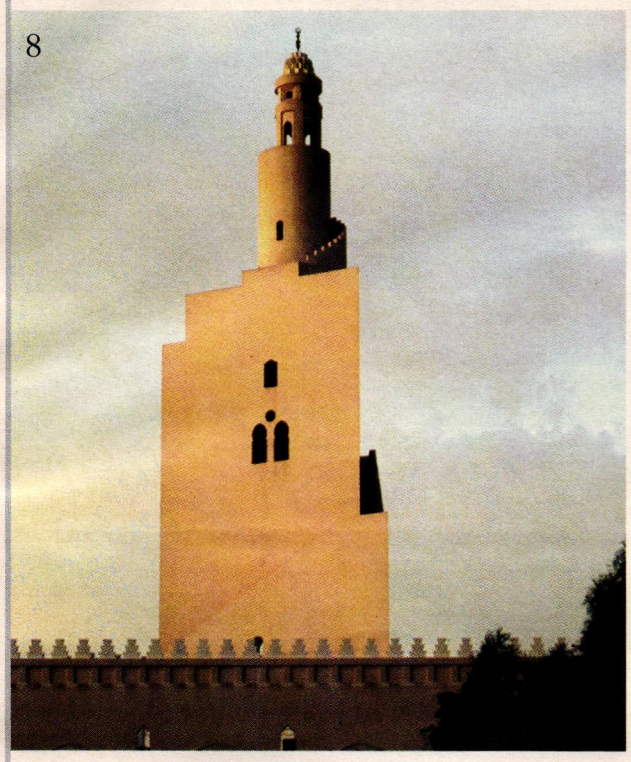
"We chose Gladding McBean as our Terra Cotta manufacturer for the Milwaukee City Hall Restoration project because we felt Gladding McBean's extensive production capacity, excellent craftsmanship, attention to schedule and quality assurance initiatives made them the most capable supplier. We were not disappointed".

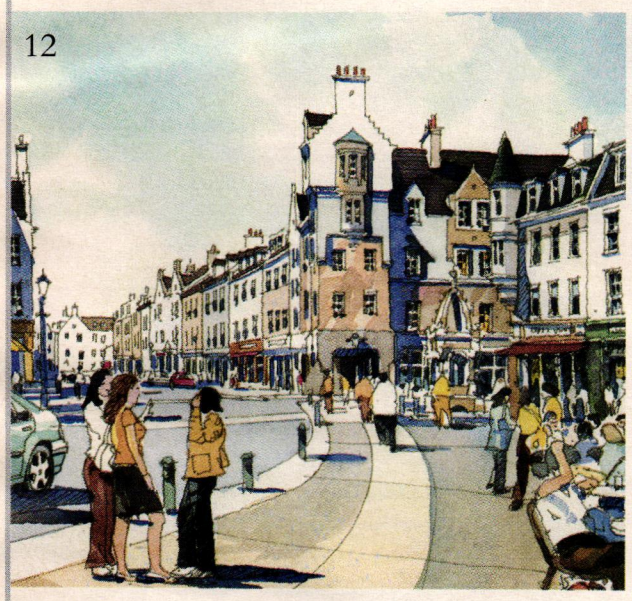
Larry Rocole
Vice President – Milwaukee Division
J.P. Cullen & Sons, Inc.

GMcB®

601 7th St. • Lincoln, CA • 95648 • 800-776-1133 • gladdingmcbean.com

KEY IN NO. 6010 FOR ARCHITECTURAL TERRA COTTA, NO. 1706 FOR GARDEN POTTERY, NO. 1705 FOR ROOF TILE & NO. 1707 FOR FLOOR LANDSCAPE PAVING


8


12

On the cover: The House of Antique Hardware is one of many firms offering antique reproduction hardware. See *Portfolio, page 54.*

Contents February 2010

Profile:

Building Islamic Tradition 8
Abdel-Wahed El-Wakil has designed more than 15 mosques and many other traditional buildings that celebrate Islamic culture, earning him the 2009 Driehaus Prize.
By Kim A. O'Connell

Roundtable:

Sustainability in the Urban Context 12
Leading urbanists discuss why the urban environment is important to a sustainable future and how it can be improved.

Book Reviews:

The Decade's Most Important Book on Urban Architecture 130
The Future of the Past: A Conservation Ethic for Architecture, Urbanism, and Historic Preservation, by Steven W. Semes
Reviewed by Clem Labine

Architecture for People: A Primer for Post-Modern Americans 132
The Architecture of Community, by Leon Krier
Reviewed by Milton Grenfell

Cities are our Future 133
Urban Design for an Urban Century: Placemaking for People, by Lance Jay Brown, FAIA, David Dixon, FAIA, and Oliver Gillham, AIA
Reviewed by Hadiya Strasberg

The Never-Ending Story 134
Unbuilding Cities: Obduracy in Urban Sociotechnical Change, by Anique Hommels, and *The Human City: King's Cross Central*, by Roger Madelin and Demetri Porphyrios
Reviewed by Nicole V. Gagné

Award:

2009 Student Drawing Awards 135
The 2009 Charles E. Peterson awards recognize students from several colleges.

The Forum:

The Wake-Up Call of Climate Change 138
By Michael Mehaffy

Departments:

Advertiser Index **20** Calendar of Events **111** PTN Newsletter **137**

The Guidebook

Traditional Building's eighth annual Guidebook is a comprehensive, up-to-date list of suppliers of traditional products and services. It includes three sections.

- **The Product & Service Index** features more than 400 companies indexed into more than 700 sub-categories in 20 major sections. **22**
- **The Sourcelist** is an alphabetical directory of all of the companies. **36**
- **The Portfolios** feature photos of the companies' products. **42**

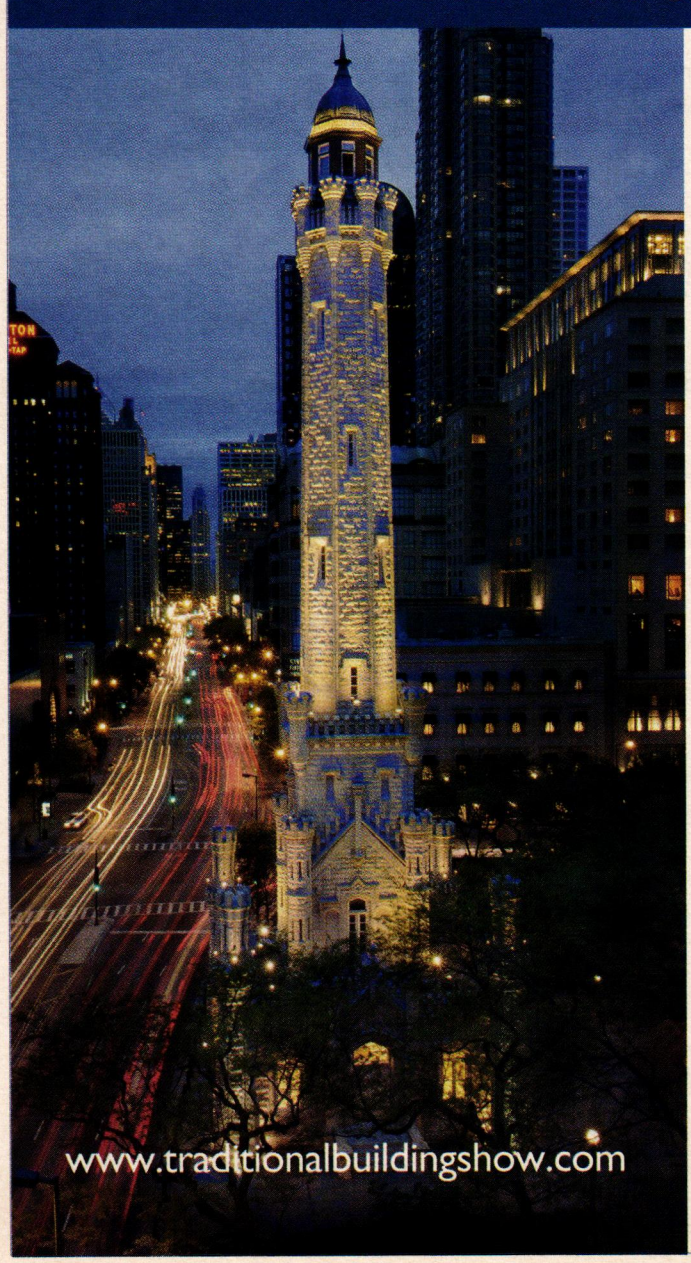
Portfolios

Artwork, Art Glass & Furnishings 42
Columns & Capitals 48
Conservatories & Outbuildings 51
Doors, Windows, Shutters & Hardware 54
Exterior Elements, Ornament & Finishes 72
Flooring 76
Green Products & Services 78
Interior Elements, Ornament & Finishes 79
Landscape, Main Street & Garden Specialties 86
Lighting & Electrical 90
Mantels, Fireplaces & Chimneys 100
Metalwork 101
Plumbing, Bath & Heating 109
Professional Services 112
Roofing & Roof Specialties 114
Salvaged Materials & Antiques 120
Stone, Brick & Masonry 122
Timber Framing & Barns 125
Woodwork 127

online@traditional-building.com

- **Traditional Product Galleries:** (www.traditional-productgalleries.com) a new online source of product information and photos from the pages of *Traditional Building* and *Period Homes* magazines.
- **Traditional Product Reports:** (www.traditional-productreports.com) online source of archived Product Reports from the pages of *Traditional Building* and *Period Homes* magazines.
- **BuildingPort.com:** a comprehensive directory of hard-to-find products and materials.
- **Free Webinars:** Earn CEUs with online webinars, available on demand, at any time. Topics include windows (a comprehensive three-part master course), sustainability and durability, traditional building materials. Go to www.traditional-building.com or call 802-674-6752.
- **Blogs** by *Traditional Building* and *Period Homes* founder Clem Labine, Notre Dame professor Steven W. Semes, Preservation Trades Network executive director Rudy Christian and writers Kim O'Connell and Dan Cooper.

TRADITIONAL BUILDING
EXHIBITION AND CONFERENCE



Chicago
Oct. 20-23, 2010
Chicago Navy Pier

Smart Solutions for a Challenging Market

To register visit:
www.traditionalbuildingshow.com
Carolyn Walsh 781.779.1560

Exhibitor inquiries:
adelargy@restoremedia.com
Anita Delargy 866.566.7840

Speaker inquiries:
jhayward@restoremedia.com
Judy Hayward 802.674.6752

Mark your calendar!

Photo: © City of Chicago

Traditional Building

45 Main Street, Suite 705, Brooklyn, NY 11201
Fax: 718-636-0750
www.traditional-building.com

Editor	Martha McDonald
Associate Editor	Lynne Lavelle
Editorial Assistant	Annabel Hsin
Contributing Editors	Gordon Bock Will Holloway Eve. M. Kahn Kim A. O'Connell Hadiya Strasberg
Editor Emeritus	Clem Labine
Art Director	Mary Camille Connolly
Production Manager	Nancy Goodman
Associate Art Director/ Web Designer	LJ Lindhurst
Advertising Sales Director	Sean Aalai
Direct Response Advertising Sales Manager, East	Jennifer Baldwin
National Accounts Advertising Sales Manager, East	Robert P. Fox
National Accounts Advertising Sales Manager, Midwest	James F. Powers
National Accounts Advertising Sales Manager, West	Jim Führer
Advertising Sales Manager, West	Kim Bloom
Advertising Sales Associate	Laurey J. Sherman
Advertising Sales Assistant National Accounts	Allison O'Connor
Advertising Sales/ Office Assistant	Luiza Grimberg
Information Services Manager	Dorian Henao
Publisher	Peter H. Miller

RESTORE MEDIA, LLC

Chairman, CEO	Michael J. Tucker
President	Peter H. Miller
Executive Vice President	Paul Kitzke
Chief Financial Officer	Cynthia Gordon-Nicks
Circulation Director	Marilyn Light
Accounting Manager	Shawn Williams
Manager, Accounts Receivable	Carolyn Walsh
Sales/Marketing Assistant	Allison O'Connor

Traditional Building Exhibition and Conference

Education Director	Judy L. Hayward jhayward@restoremedia.com
Exhibit Sales Director	Anita Delargy adelargy@restoremedia.com

Toll Free: 866-566-7840; Fax: 202-339-0749
Subscriptions & Subscriber Service: 800-548-0193

Traditional Building (ISSN # 0898-0284) is published bi-monthly by Restore Media, LLC
45 Main Street, Suite 705, Brooklyn, NY 11201

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.

Contents of *Traditional Building* are fully protected by copyright and must not be reproduced in any manner whatsoever without written permission from the publisher.

Copyright 2010 by Restore Media, LLC. All rights reserved.
Restore Media, LLC, 1054 31st St., NW, Suite 430, Washington, DC 20007
Phone: 202-339-0744; Fax: 202-339-0749

List Rental: The Information Refinery 201-529-2600
Bulk Reprints: The Reprint Dept. 800-259-0470
Printed by Cadmus Specialty Publications, Easton, PA

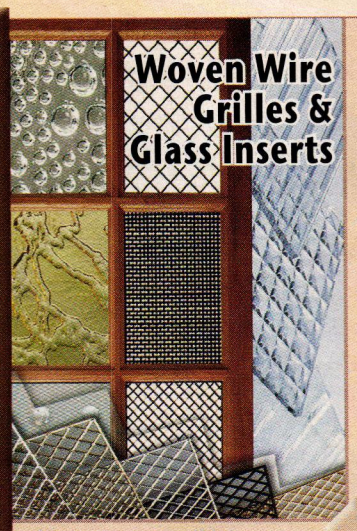
When you have finished with this magazine, please recycle it.

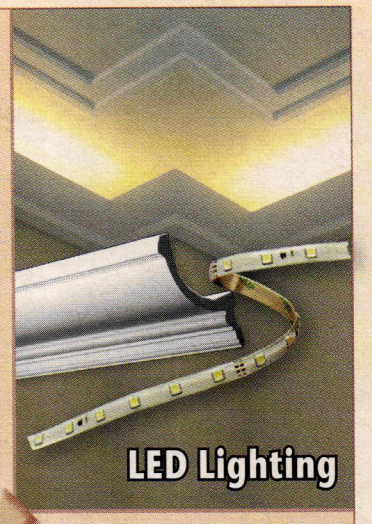
Architectural Products by OUTWATER LLC

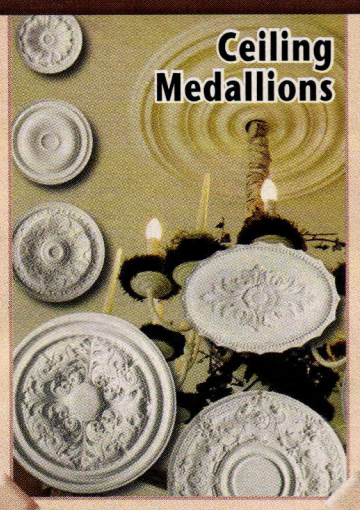
New Jersey • Arizona • Canada

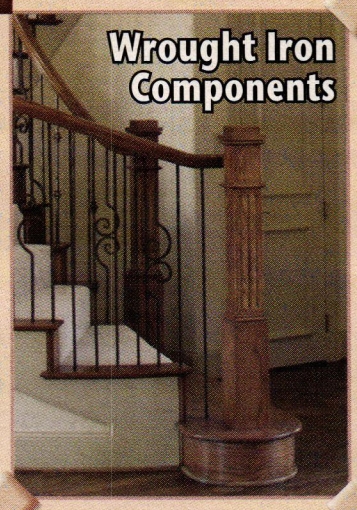
www.Outwater.com

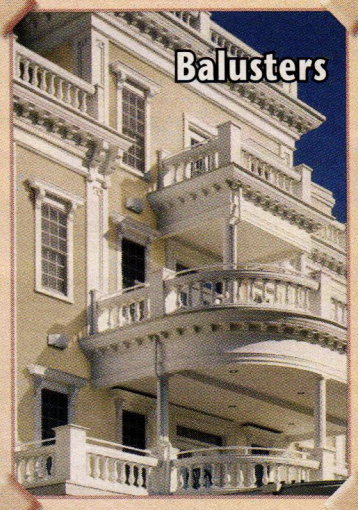
Lowest Prices...
Widest Selection...
All From Stock!

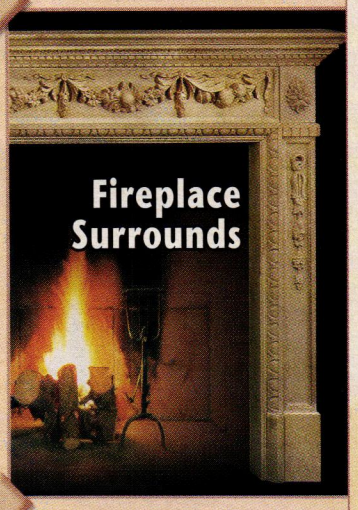


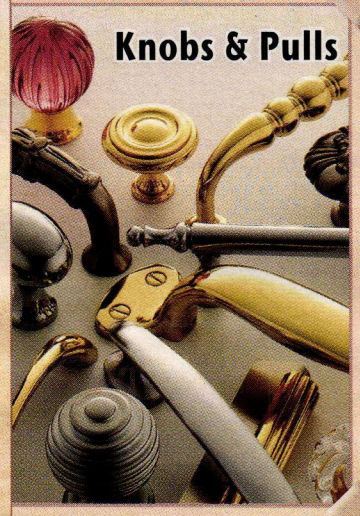


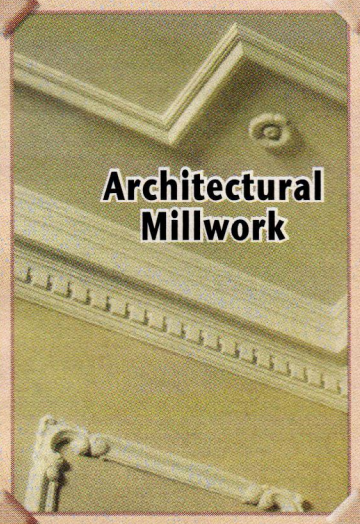


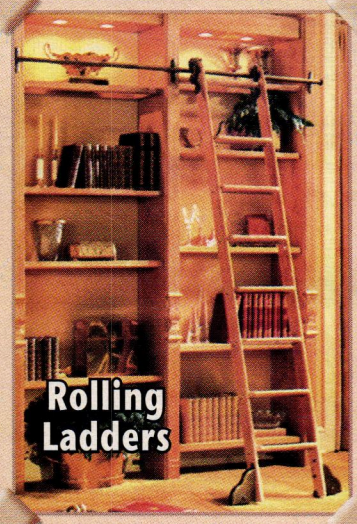


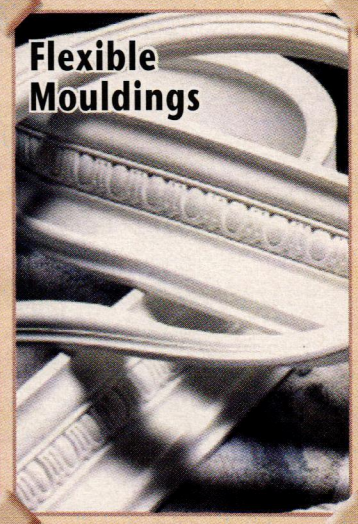


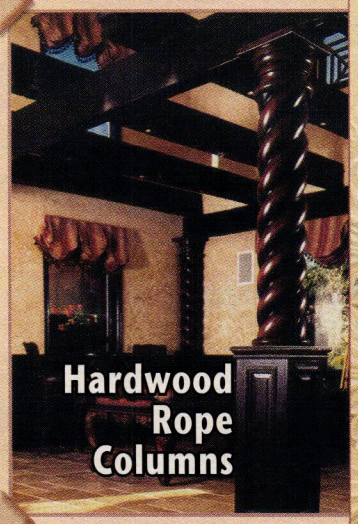


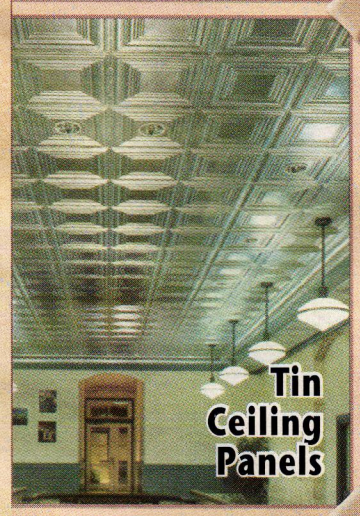


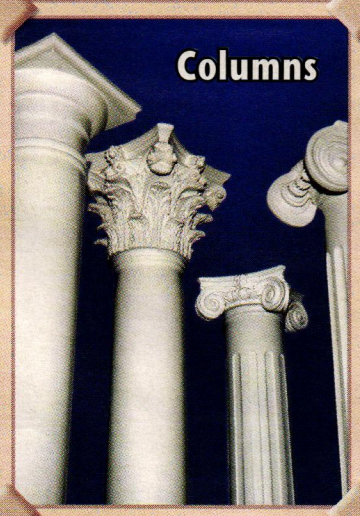


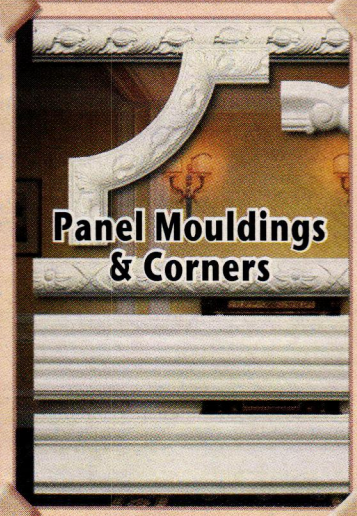


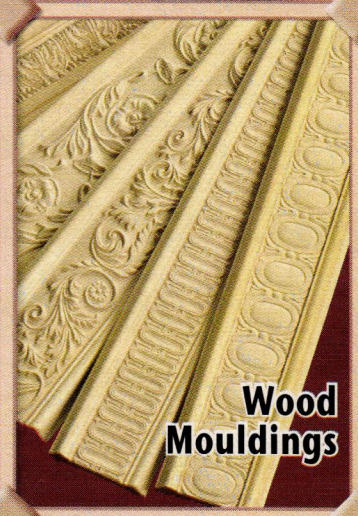


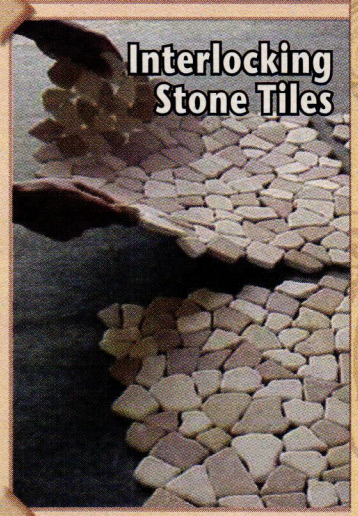












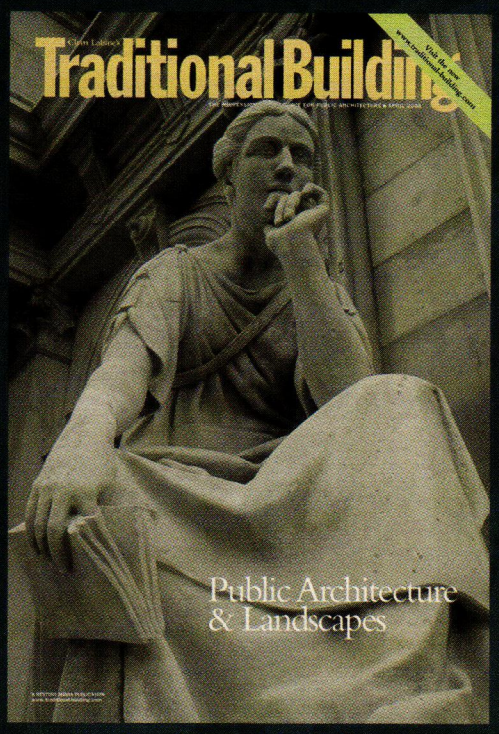
FREE 1,000+ Page Catalog!

Catalog Requests	Sales & Product Information	Fax
1-888-772-1400	**1-800-835-4400**	**1-800-835-4403**

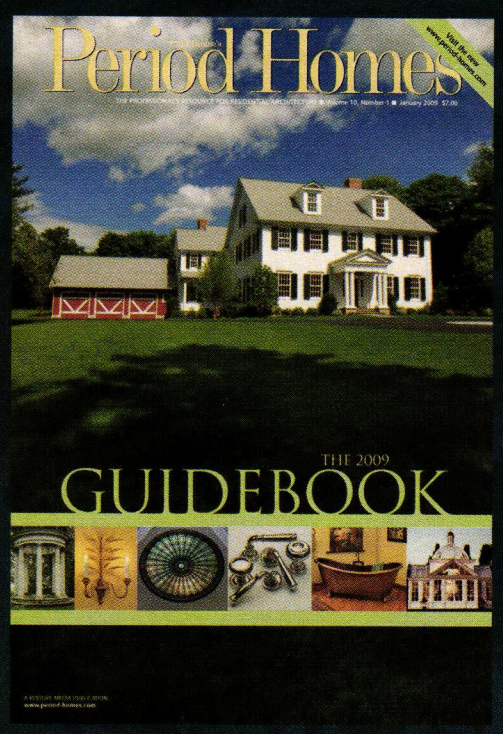
KEY IN NO. 1088

Restoring the Past. Building the Future.

RESTORE MEDIA, LLC



www.traditional-building.com



www.period-homes.com

TRADITIONAL BUILDING
EXHIBITION AND CONFERENCE

www.traditionalbuildingshow.com

BuildingPort.com

www.buildingport.com

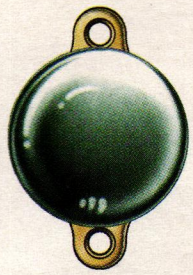
tradweb
CUSTOM BUILDING & RESTORATION SERVICES

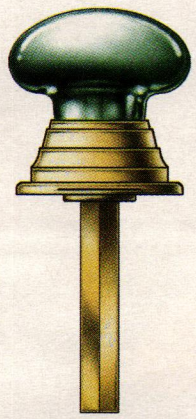
www.tradwebdirectory.com

Restore Media LLC is the only publisher and conference producer dedicated to the traditional building market. The company's magazines, conferences, trade shows, websites and directories serve the information needs of architects, builders, developers, building owners, facilities managers, government agencies, interior designers, landscape architects, suppliers, preservationists, town planners, artisans, tradespeople and old-house enthusiasts who work passionately to renovate and restore historic buildings or build new ones in a traditional style.

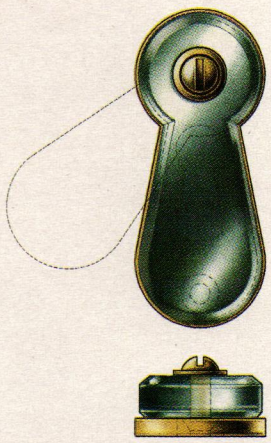
The traditional building market has emerged into a recognized and firmly established segment of the residential and commercial construction industry with more than $170 billion in construction volume. From grass-roots movements in America's historic neighborhoods to a government-mandated National Historic Preservation Act, Americans have a heightened appreciation for our architectural heritage and are spending money to preserve and improve it.

Questions? Call Peter H. Miller, President:
202.339.0744 x 104.
Or email pmiller@restoremedia.com

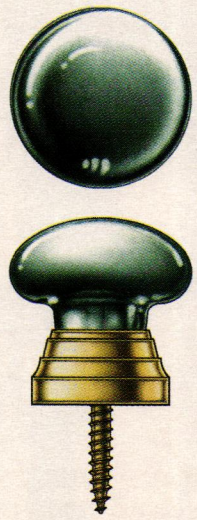




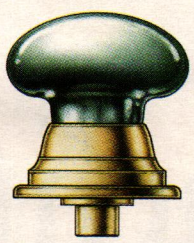
Crystal Thumbturn and Rose



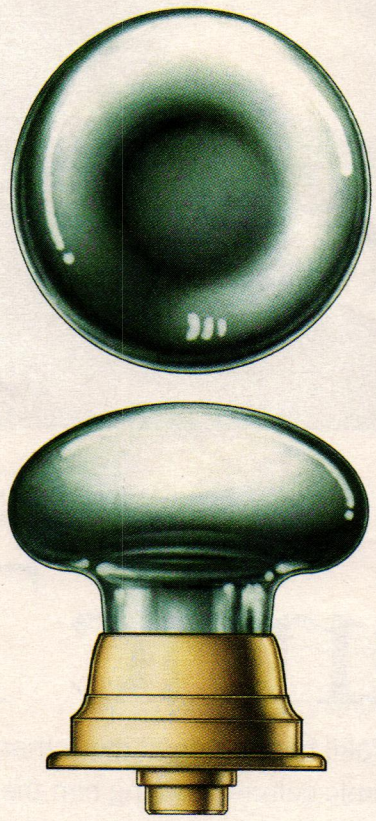
Key Escutcheon with Crystal Cover

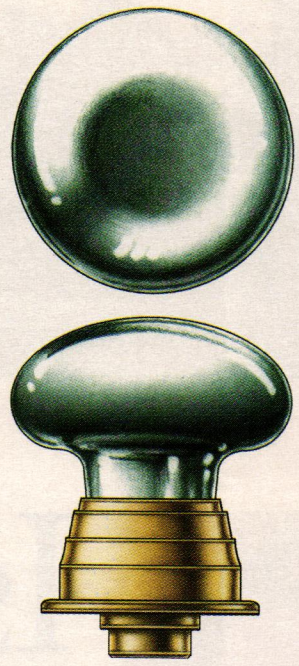


Crystal Shutter Knob Shown without Rose



1¼" Crystal Cabinet Knob Shown with Nashua (Shell) Shank





1¾" Crystal Knob Shown with Robinson (Stepped) Shank

E.R. BUTLER & CO.

"GD" Design Series

E. & G.W. Robinson Crystal Collection

Available in Clear, Silvered, Etched, Opalescent, Milk, Amber, Amethyst, Cobalt, Ruby, Ox Blood, Emerald or Black Crystal.
Door Knobs Available in 2¼"(L) or 1¾"(M) Diameters for Doors and 1¼"(S) for Cabinets and Fine Furniture.
Solid Turned Brass Shank and Rose (Plain, Ridged, Beaded or Knurled).
Standard, Custom Plated and Patinated Finishes Available.

WWW.ERBUTLER.COM

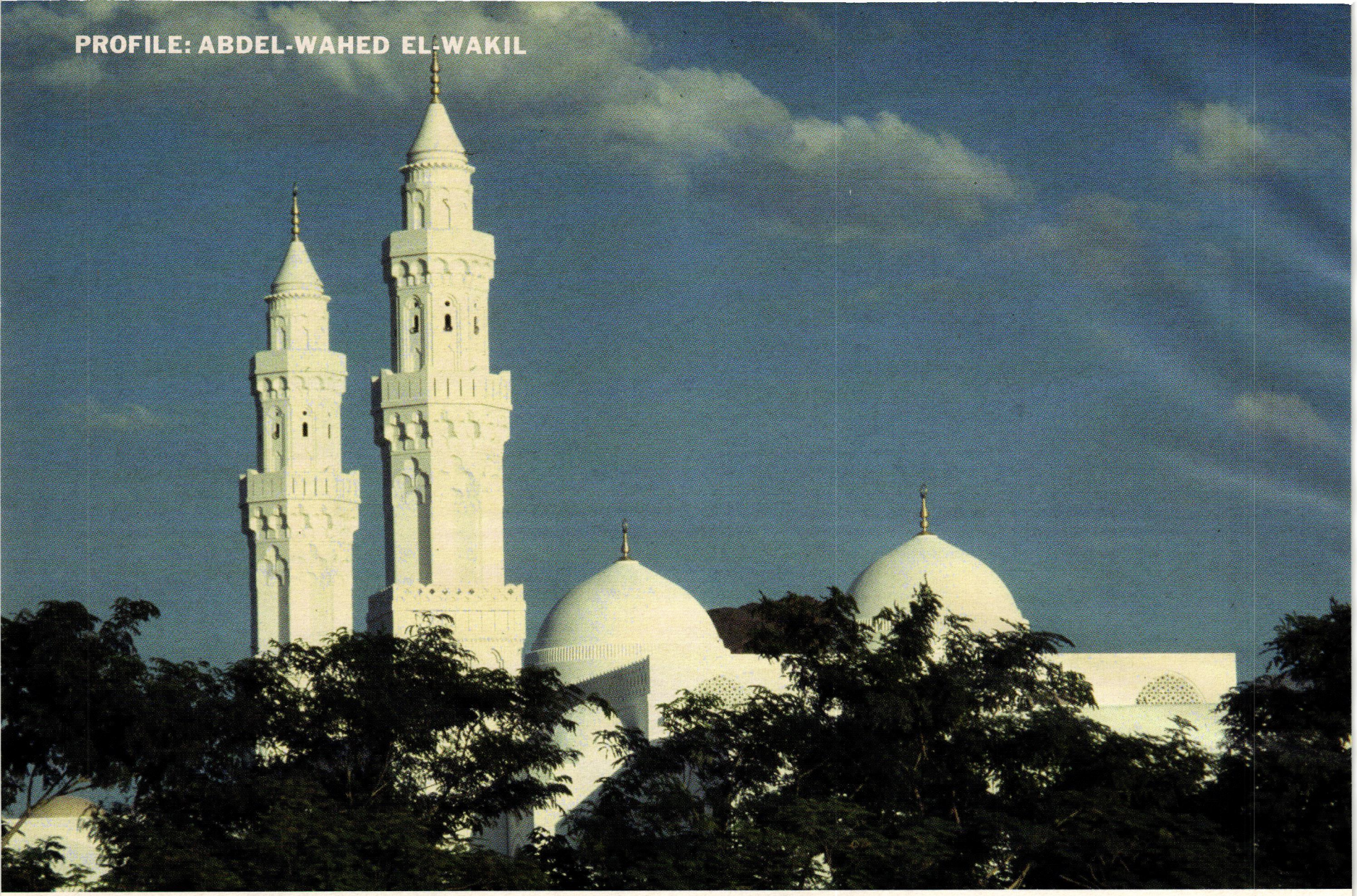
CATALOGUES AVAILABLE TO THE TRADE · SHOWROOMS BY APPOINTMENT ONLY

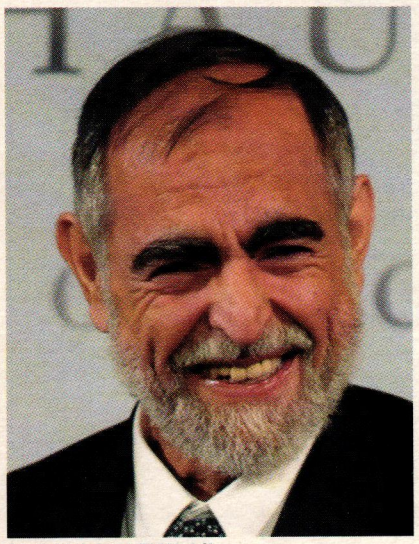
¾ Scale

FINE ARCHITECTURAL, BUILDERS' AND CABINETMAKERS' HARDWARE

©E.R. Butler & Co. All Rights Reserved. Technical Drawing: John Sykes Fetterman Rendering: Margitta Zachert Typography: John Packer

www.traditional-building.com





Abdel-Wahed El-Wakil

Above: The Qiblatain Mosque in Medina is said to be the site where Muslim worshippers first changed their prayer orientation from Jerusalem to Mecca. Professor Abdel-Wahed El-Wakil's design for a new mosque on the site features such archetypal features as a main prayer hall and courtyard, as well as twin minarets and twin domes.
All photos: courtesy of the University of Notre Dame School of Architecture

Building Islamic Tradition

Abdel-Wahed El-Wakil has designed more than 15 mosques and many other traditional buildings that celebrate Islamic culture, earning him the 2009 Driehaus Prize. **By Kim A. O'Connell**

In the historic and holy city of Medina in western Saudi Arabia, where the Islamic prophet Muhammad is buried, an architect was in charge of renovating a mosque, which had been clad in a stone plaster material. Despite its widespread use in the Western world, using an imitation stone to renovate such a significant building was plain wrong, according to a Middle Eastern architect who had a particular interest in the subject. That architect, considered by many to be the world's foremost authority on Islamic architecture, was Abdel-Wahed El-Wakil.

After observing the work at the mosque, El-Wakil had an audience with the prince of Medina and told him that using imitation stone was unacceptable. "The whole idea of Islamic art is not to imitate nature, but to copy its mode of operation – how it works," he says. "Nature works with geometry, so all of the Islamic patterns are based on geometry and thousands of different interlacing patterns....The architecture was very true. There was nothing forced."

The prince wondered, however, what they were to do if it proved too expensive to restore the mosque with marble or stone. "I said, 'Do it in earth – mud brick,'" El-Wakil recalls. "Poverty is not a shame in religion. Material poverty is not a shame. It is spiritual poverty that is a shame, so why be false?"

El-Wakil's commitment to architectural honesty, beauty and tradition has informed much of his work for the past 40 years. The Egyptian-born architect has designed more than 15 mosques in Saudi Arabia alone, as well as mosques in South Africa, Brunei and Bahrain and other buildings in the West, including the United States. His work has earned numerous awards and recognition, including the Aga Khan Award for Architecture and an honorary fellowship into the American Institute of Architects.

Last March, El-Wakil was named the winner of the 2009 Driehaus Prize at the University of Notre Dame, a $200,000 award that is considered the most significant recognition for Classicism in the contemporary built environment. As the new Driehaus Prize laureate, El-Wakil joins a celebrated roster of past recipients, including Elizabeth Plater-Zyberk and Andrés Duany, Demetri Porphyrios and Léon Krier. After receiving the prize, El-Wakil participated in a series of interviews at the university, including discussions with *The New Yorker* architecture critic Paul Goldberger and Notre Dame professors Richard Economakis and Douglas Duany. (El-Wakil's quotations in this article come from those discussions.)

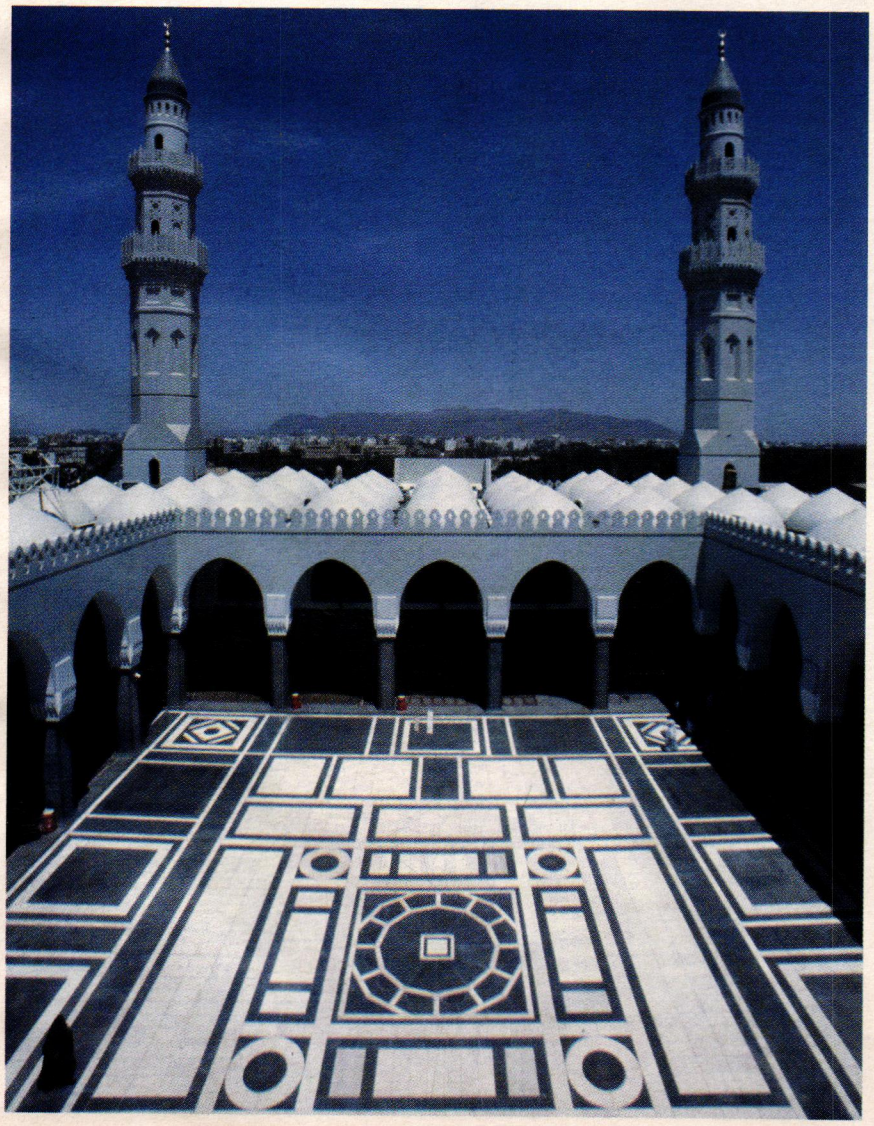
"This year, the prize expands its horizons beyond the Western tradition – that's the particular additional significance this time," Goldberger said at the award ceremony. "It's a reminder that the issues the Driehaus Prize addresses are not only ones relevant to Europe and America but also all the way around the world in cultures that, if anything, may have even more at stake in this issue than we do here."

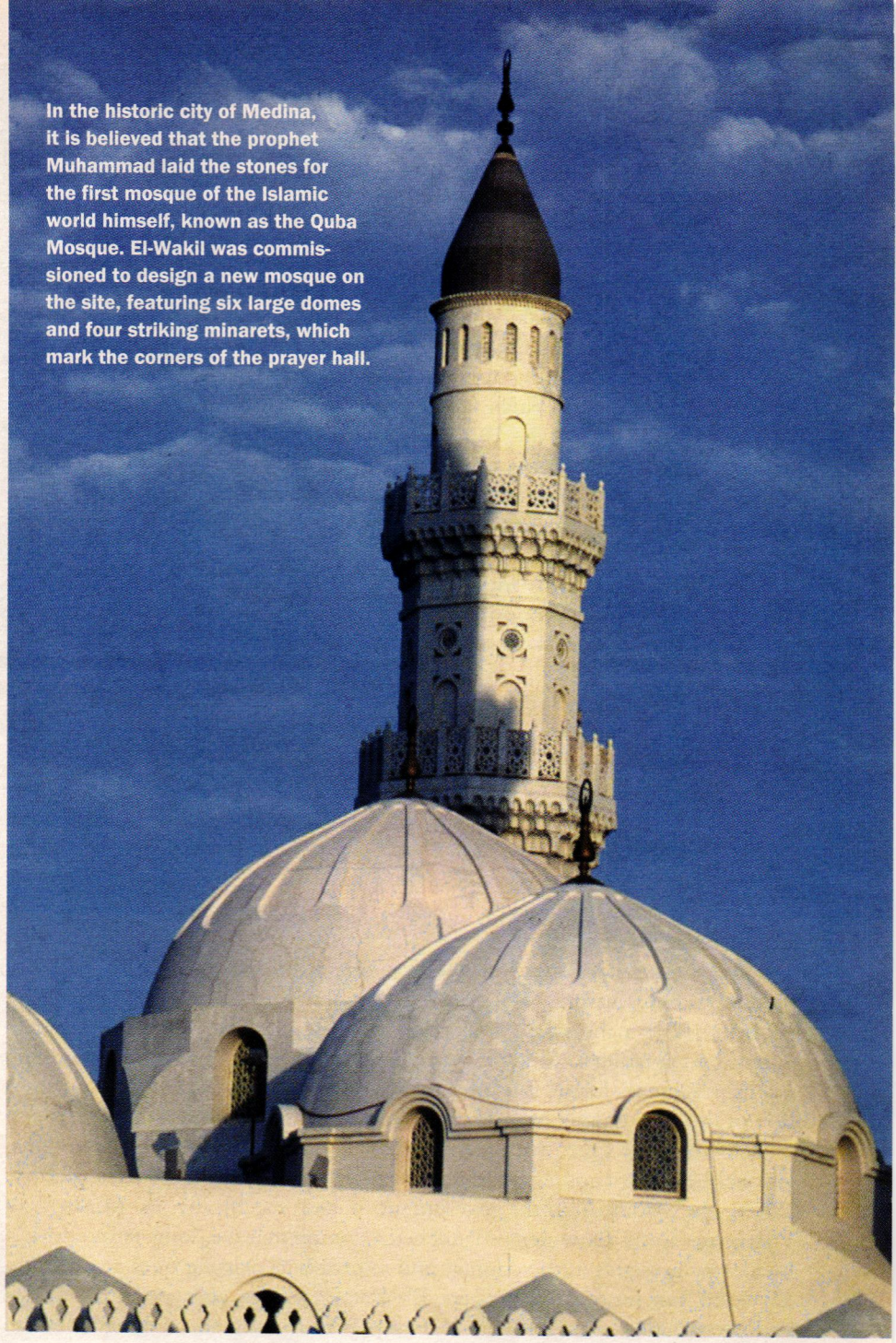
Forging a Philosophy

In the mid-1960s, El-Wakil was, like so many other young architects of his time, an unapologetic Modernist. He had earned a Bachelor of Science degree in architecture (with honors) from Ain Shams University in Cairo, the city where he was born in 1943. At university, El-Wakil was trained to copy buildings and fashions that were published in magazines and were considered the most innovative. When he was offered a post on the university faculty after earning his degree, however, he realized that Egypt's capital city had lost much of its architectural tradition in its quest to follow the Modernist mode of Europe and America.

"When I wanted to do my thesis, I had problems with the teachers at my university," El-Wakil says. "[They wanted] all megalomaniac projects... nuclear stations, airports...and nobody was interested in anything else. I wanted to know why our architecture – the new one – was ugly."

Around this time, El-Wakil met a man who would become his mentor and completely change the course of his career. Hassan Fathy was an Egyptian architect who pioneered the reintroduction of traditional materials and building techniques into the built environment of Egypt, particularly the use of mud brick. Among other accomplishments, Fathy had authored an acclaimed book called (in English) *Architecture for the Poor*, which celebrated the use of indigenous materials.





In the historic city of Medina, it is believed that the prophet Muhammad laid the stones for the first mosque of the Islamic world himself, known as the Quba Mosque. El-Wakil was commissioned to design a new mosque on the site, featuring six large domes and four striking minarets, which mark the corners of the prayer hall.

The architect believes, as his mentor did, that the solution to many urban problems – pollution, overcrowding and a homogenous building culture – lies in the countryside, in the undeveloped areas, which he sees as neglected. "The national character [of a place] remained in the countryside," El-Wakil says. "The village life, the country life, is always abundant, generous, producing. They are feeding the city. The city is a parasite....Hassan Fathy did nothing for urban planning; he cared about villages....[People always asked me,] 'Why doesn't he do something in Cairo?' And I said, 'Because he's looking at the problem at the source.' He said, 'If I can solve the problem in the country, I would have solved at least 50 percent of the problem in the city, by eliminating migration. So it's going to the root of the problem.'"

Fathy's teachings had a profound impact on El-Wakil. At the time, El-Wakil had wanted to work in America, but Fathy encouraged him to stay in the Middle East. As Fathy's apprentice, El-Wakil toured the suburbs and slums of Egypt and India and realized that the poor were not being served by Modernist thinking and building. "He was like a treasure house of knowledge, this man born in 1900, from the old generation, with a vast knowledge about architecture, about life, about philosophy," El-Wakil says. "I think I spent five years with him day and night."

El-Wakil received an important early commission during this period. The Six-Day War of 1967 had led to a major economic recession in Egypt, with many building materials becoming expensive and difficult to acquire. The timing was perfect, therefore, for El-Wakil to demonstrate the cultural and economic benefits of designing and building with locally available materials.

Interior courtyards are an archetypal feature in Islamic buildings. Here, the Quba Mosque's courtyard is lined with domed arcades. Yet the mosque also features a modern amenity in a retractable tent-like covering for the courtyard, which extends the usable space of the prayer hall.

El-Wakil often uses brick load-bearing construction for his buildings, including this residence in Jeddah, Saudi Arabia, which features an elegant internal courtyard. El-Wakil designed numerous private houses in Saudi Arabia before turning his attention to the country's new effort to design, build and revitalize its mosques.

Asked to design a house near Agamy beach in Alexandria, Egypt, El-Wakil used the limestone that was abundant in the area and designed the house in a traditional Egyptian style that was far different from the French Riviera style for which the resort area had previously been known. In the 1970s, El-Wakil went on to design several larger mansions in Saudi Arabia, which applied traditional Arab design concepts such as interior spaces like atriums and courtyards, as well as building techniques such as load-bearing brick construction.

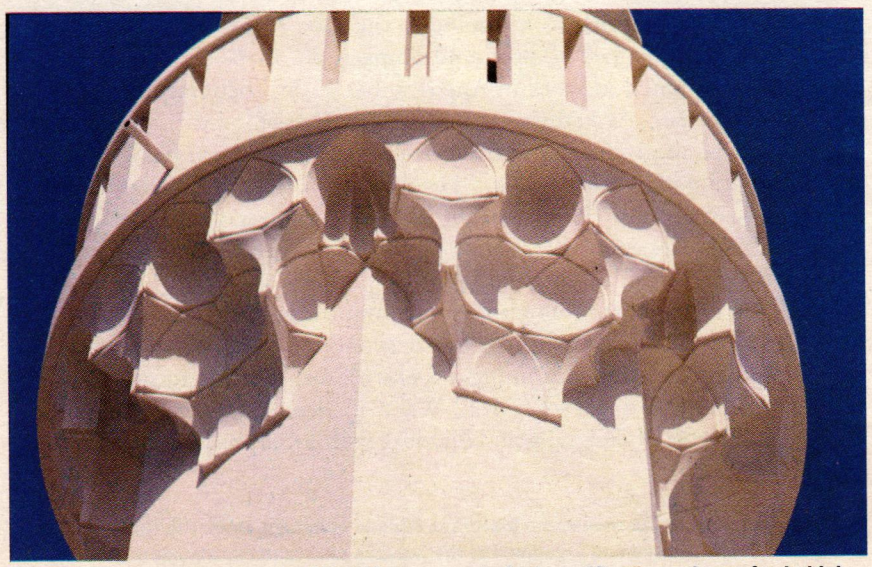
"I grew up with [this modern] mentality – that in '69 we went to the moon," El-Wakil says. "And this [idea] was, if man went to the moon, then that is going to solve all of the problems because people won't have housing problems. But it was all a big bluff, because in the Arab world today, in the Middle East, if you are to house people and you see the amount of houses needed, there are millions of houses needed. And if you are to house them with cement and steel, there will not be enough cement on the globe to cover that. So the only way to sort the problem of housing in the Third World is to use the local materials and the most abundant – earth and stone."

In Pursuit of Truth

When designing a mosque in Medina, one is working in the footsteps of no less an eminent presence than the prophet Muhammad. Muslims revere Muhammad as a messenger from God who escaped religious persecution in Mecca by migrating to Medina, where he began to unite his followers through Islamic teachings. There, it is believed that Muhammad called for the construction of the first mosque of the Islamic world, laying the stones himself.

Known as the Quba Mosque, that first historic structure no longer exists, and neither does another building that replaced it in the mid-18th-century. When the Saudi Arabian government – and specifically its Ministry of Pilgrimage and Endowment – launched a comprehensive, long-term effort to build new mosques in the country and refurbish its existing ones, it called on El-Wakil. For more than 25 years, El-Wakil has been engaged in the design and construction of more than 15 mosques in the region, ranging from the largest and most historically significant, such as the Quba Mosque, to much smaller places of worship.

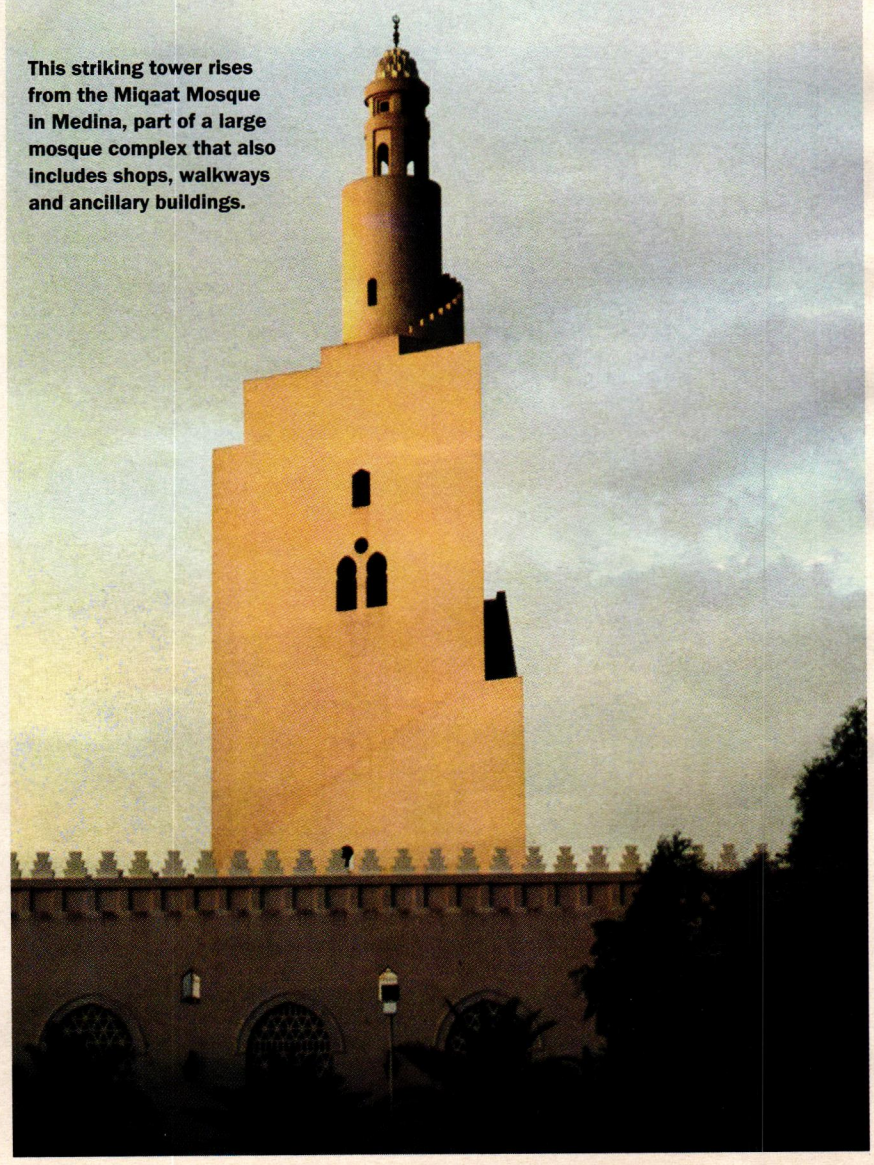
El-Wakil's design for the new Quba Mosque features a rectangular prayer hall topped with six large domes. The prayer hall opens to a courtyard that is lined with domed arcades on three sides, and four minarets mark the corners of the hall, each with decorated octagonal shafts. Load-bearing brick was used throughout the structure, except for a reinforced concrete sub-basement. Yet modern concerns are accounted for through the use of a retractable tent-like covering for the courtyard, which extends the usable space of the prayer hall depending on the event or size of the congregation.



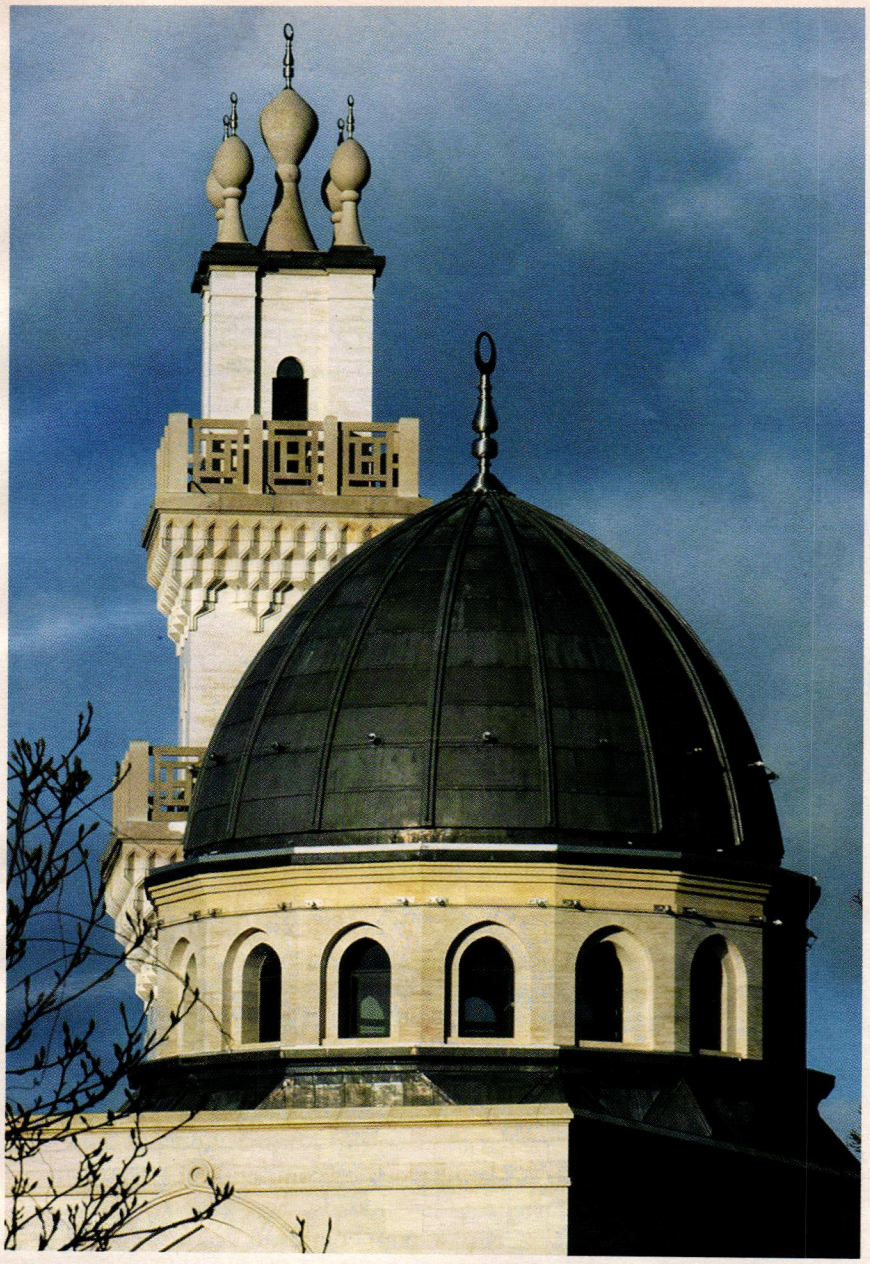
A portion of a minaret from the Abraj Mosque, part of a beautification scheme for Jeddah, Saudi Arabia, shows El-Wakil's passion for Islamic design elements and detail.

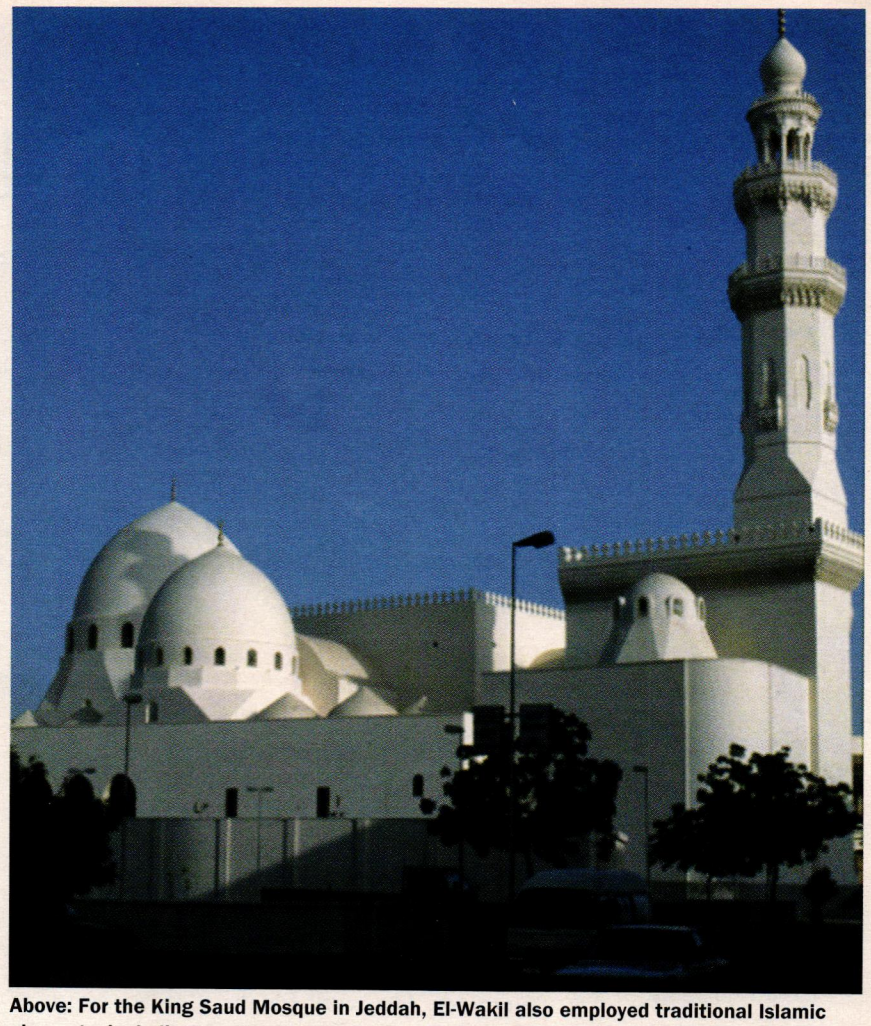
In a similar vein, El-Wakil's design for the Qiblatain Mosque in Medina – said to be the site where Muslim worshippers first changed their prayer orientation from Jerusalem to Mecca – also features a main prayer hall and courtyard, as well as twin minarets and twin domes. Interior spaces and axes are marked by a series of barrel vaults. The architect's design for the King Saud Mosque in Jeddah, Saudi Arabia, also exhibits his commitment to traditional craftsmanship. Here a rectangular prayer hall is topped with one large dome made of indigenous brick, which is flanked on both sides by smaller domes and a three-tiered minaret.

El-Wakil says that he was drawn to doing sacred architecture not because of any particular religious calling but because he was, quite simply, fed up with his clients. "I was not interested in having a client decide whether he has to have a pink toilet or a white basin or a brown basin or this type of door,"



This striking tower rises from the Miqaat Mosque in Medina, part of a large mosque complex that also includes shops, walkways and ancillary buildings.





Above: For the King Saud Mosque in Jeddah, El-Wakil also employed traditional Islamic elements, including a rectangular prayer hall topped with one large dome, flanked by smaller domes and a three-tiered minaret.

Left: El-Wakil has worked on numerous commissions in the United States and Britain, including the Oxford Islamic Centre at Oxford University. Blending Oxford tradition with Islamic elements, the building relies on load-bearing brick construction rather that steel or concrete.

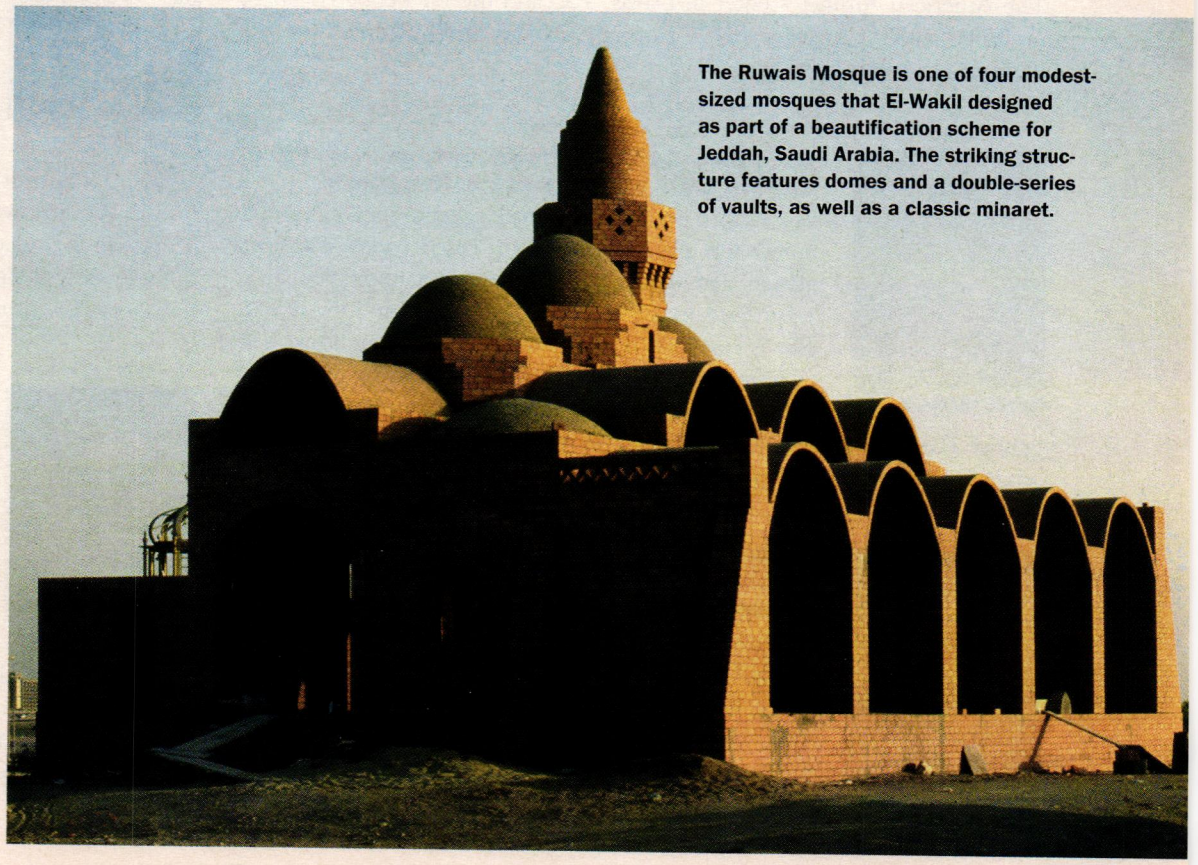
he says. "But with a mosque, I think it is good to have God as your client. It was very clear – you have the direction to Mecca and [places where] people would pray, and so I didn't have to waste time with anything but trying to develop the crafts to revitalize those dying crafts and knowledge."

El-Wakil has also designed smaller mosques as part of a beautification scheme for Jeddah – the Corniche, Ruwais and Abraj mosques – as well as other mosques such as the Kerk Street Mosque in Johannesburg, South Africa, which used five prayer levels to accommodate the site's tight footprint. The architect is now engaged in three projects in Beirut, Lebanon, including a master planning project in Qatar that combines energy-efficient planning with Islamic designs.

El-Wakil has also brought his sense of tradition to the Western world. In the early 1990s, Andrés Duany invited El-Wakil to become a visiting professor at the University of Miami, where he also worked with Duany on a design charrette for the development of South Beach. During this period, El-Wakil also designed a new residence for the developer Thomas Kramer. In the United Kingdom, El-Wakil has served as a consultant for the Prince of Wales School of Architecture. There, he designed the Oxford University Centre for Islamic Studies, which exhibits an ingenious blending of Oxford's traditional architecture with Islamic elements.

When he considers what can be done to influence future generations of architects, craftsmen and builders, El-Wakil recalls the writings of the 19th-century English critic John Ruskin, who celebrated the patina of age in his landmark book, *The Seven Lamps of Architecture*, in which he decried restoration as "a destruction accompanied with false description of the thing destroyed." El-Wakil calls for others in his profession to end the pervasive culture of falseness in building, in which different styles or materials are slapped on a building without consideration of its purpose, locally available materials or the appropriateness of the design.

"The only legacy one can keep telling generations is to seek the truth," El-Wakil says. "I think we're losing our relationship with truth. Ruskin wrote the most beautiful chapter [in *The Seven Lamps*], called 'The Lamp of Truth.'....We have to make an ark like Noah, but not put in the animals. We should do an ark for our cities to preserve all the culture, the whole culture, and the knowledge." **TB**



The Ruwais Mosque is one of four modest-sized mosques that El-Wakil designed as part of a beautification scheme for Jeddah, Saudi Arabia. The striking structure features domes and a double-series of vaults, as well as a classic minaret.

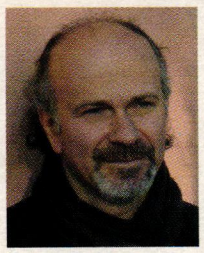
Sustainability in the Urban Context

Is urbanism the key to a sustainable future?

This year's roundtable focuses on sustainability in the urban context, a complex and topical issue that could potentially affect how we live on this planet in the future. Much that's written about sustainability focuses on new stand-alone buildings, but the issues are more complex in the urban context where you're dealing either with retrofitting older buildings or new infill buildings that must be cognizant of neighboring structures.

Some of the issues the designers face include local building codes, Historic District & Design Review Commissions, the LEED rating system, equipment such as solar panels and wind energy, windows, retrofitting existing buildings, green roofs and municipal officials. Under the direction of Editor Emeritus and founder of *Traditional Building* and *Period Homes* magazines Clem Labine, we asked a number of leading architects to comment on this subject. The participants received suggested topics and issues, but were encouraged to discuss the subject as they saw fit. Here are the results, arranged alphabetically by the firm's name.

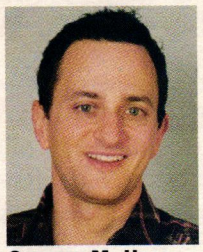
The Participants



David T. Mayernik

David Mayernik Ltd., (www.davidmayernik.com) David T. Mayernik, FAAR, NCARB, RSA, president

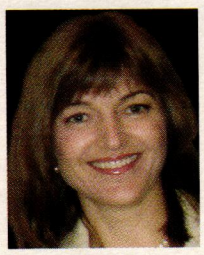
Mayernik is an associate professor at the University of Notre Dame School of Architecture, and president of David Mayernik Ltd. An urban designer, architect, painter, writer and educator, he is also a fellow of the American Academy in Rome and the Royal Society for the Encouragement of Arts, Manufactures & Commerce. His work for the TASIS campus in Lugano, Switzerland, won a Palladio Award in 2005. Mayernik contributed to the book *Green Living*, to be published in the spring of 2010 by Rizzoli and to the *New Palladians* book (Artmedia, spring 2010).



Gregory M. Hoss

David M. Schwarz Architects, Inc., (www.dmsas.com), Gregory M. Hoss, AIA, project manager and principal

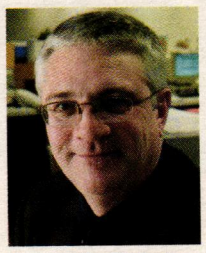
Hoss has been with the firm since 1997 and has been a registered architect since 1994. He is a graduate of The Catholic University of America where he now serves on the Design Council. He is also a member of the District of Columbia Building Industry Association (DCBIA) and the American Institute of Architects (AIA). Hoss served as project manager for the recently opened Chapman Cultural Center in Spartanburg, SC, The American Airlines Center in Dallas, TX, and the Dr Pepper Ballpark in Frisco, TX. Currently he is working on the Smith Center for the Performing Arts in Las Vegas, NV.



Galina Tachieva

Duany Plater-Zyberk & Company, (www.dpz.com), Galina Tachieva, LEED, partner, director of town planning

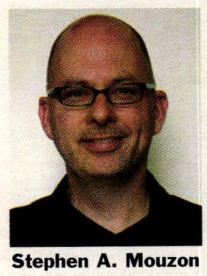
An expert on urban redevelopment, sprawl retrofit, sustainable planning and form-based codes, Tachieva directs and manages the design and implementation of projects in the United States and around the world, She is currently working on a forthcoming book, *The Sprawl Repair Manual*, to be published in the spring by Island Press. She is also the primary author of the Sprawl Repair Module, a special plug-in document to the SmartCode, which enables the transformation of sprawl types into community patterns.



Gregory L. Rutledge

Hanbury Evans Wright Vlattas + Company, (www.hewv.com), Gregory L. Rutledge, AIA, design principal and preservation specialist

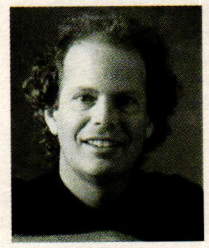
During his 21 years with the firm, Rutledge has helped position Hanbury Evans as a leader in historic preservation. He particularly enjoys projects that revitalize communities, such as the Prizery Community Arts Center in South Boston, VA, and preservation planning to save national treasures, such as historic Fort Monroe. Rutledge was honored with the Preservation Award from the Virginia Society of the American Institute of Architects. He is a frequent lecturer on architectural history and is an active member of the Association for Preservation Technology International. He is a 1984 graduate of the University of Tennessee.



Stephen A. Mouzon

New Urban Guild, (www.newurbanguild.com), principal; New Urban Guild Foundation, director; Mouzon Design (wwwmouzon.com), principal, Stephen A. Mouzon

As principal of the New Urban Guild, Mouzon promotes the study and design of true traditional buildings and places. The Guild was instrumental in the creation of the Katrina Cottages concept (www.katrinacottages.com) and hosts Project SmartDwelling, an initiative to re-imagine the American home. The New Urban Guild Foundation also hosts the Original Green (www.oiginalgreen.org). At Mouzon Design he focuses on town building tools and services.



Rob Robinson

Urban Design Associates, (www.urbandesignassociates.com), Rob Robinson, AIA, chairman

Robinson earned a degree in Architecture and Urban Planning from Virginia Polytechnic Institute and State University. Following graduation, he was an adjunct professor in the College of Architecture and Urban Planning at VPI for several years, and served as an architect with the Peace Corps in St. Vincent, West Indies, prior to joining UDA in 1980. In addition to urban design efforts in cities, towns and neighborhoods, Robinson also leads UDA's work in "shared vision and strategy" initiatives for regions and counties. Current projects under his leadership include various downtowns and waterfronts, mixed-use neighborhoods, new towns, vision plans and pattern books.

John H. Cluver

Voith & Mactavish Architects, LLP, (www.vma.com), John H. Cluver, AIA, LEED AP, partner and director of preservation

Cluver received his professional degree in architecture from the University of Notre Dame, and a Certificate in Historic Preservation from the University of Pennsylvania. He has worked on a wide range of rehabilitation and new construction projects for a variety of educational, commercial and civic institutions, both as an architect and preservation consultant. Cluver is a member of the City of Philadelphia's Historical Commission Architectural Committee, and was named Young Architect of the Year by the Philadelphia Chapter of the American Institute of Architects.

David Mayernik Ltd., David T. Mayernik

Sustainability is largely understood in the popular imagination as a technological problem needing technological solutions. For a city to become sustainable, however, requires a fundamentally sustainable approach to its layout – which, if not inherently sustainable, will always require more and more onerous interventions to ameliorate – and to the stuff of which it is made. Anything less is a short-term fix, a band-aid on a mortal wound. To achieve real, meaningful urban sustainability requires hardheaded courage to reconsider the last half-century and more of unrestrained growth, coupled with an acknowledgement that we have not only built cities too big to survive, but have simultaneously disconnected them from a sustaining natural landscape.

What would a truly sustainable city look like? It would be built in a region furnished with the resources – water, power, etc. – to sustain itself, and within a climate zone capable of ensuring human survival (for example, not in a desert); it would have a prescribed limit to control sprawl and encourage contact with the surrounding landscape; it would afford walkable neighborhoods (meaning most daily services available within a five- to ten-minute walk) with walkable buildings (or, no more than five or six stories tall); it would therefore have a relative population limit, a function of its prescribed area and the floor area available in its residential buildings; its buildings would be built of sustainable, durable, natural materials (in other words, masonry bearing wall construction); it would have a public transportation network to connect neighborhoods to facilitate access to citywide services and places of work; and its proximate (that is, walkable from the city edge) natural landscape would provide a substantial portion of its sustenance.

To achieve real, meaningful urban sustainability requires hardheaded courage to reconsider the last half-century and more of unrestrained growth, coupled with an acknowledgement that we have not only built cities too big to survive, but have simultaneously disconnected them from a sustaining natural landscape. – David T. Mayernik

The Renaissance treatise writer Leon Battista Alberti, and many others before and after him, would have recognized these parameters, since before modern industrial technology virtually all cities were built in accord with these constraints. Having trusted over the last half-century and more that we can continually supersede any sort of natural limits with more and more advanced technologies (while paradoxically refusing to invest in infrastructure), we are now confronted by the inconvenient fact that our unwieldy human environment can not be sustained on increasingly limited resources.

Do such places exist? Florence, Italy, comes to mind; not perfect by any stretch of the imagination, but "close enough for government work," as my father used to say. How did they do it? Well, they mostly did the good parts before the last century, but during the last century they made some hard choices about where and how to build that preserved some (not nearly all) of their sustainable urban and rural environment: a rare demonstration of political will, I would argue, that came from the compelling beauty of what they inherited, a beauty that commands respect. Beauty is the single most intangible aspect of a sustainable city that makes all the challenges worthwhile.

What would this mean for our existing American cities, almost all of which violate some if not most of these sensible constraints? Hard choices that no doubt few have the political will to make: a regional strategy for creating multiple sustainable cities instead of unsustainable megalopolises; a long term plan to return part of the urban edge to natural landscape; a moratorium on new buildings taller than six floors; and mandates for sustainable masonry bearing wall construction.

Eventually, with courage and political will, some cities could return to something like sustainability, or places wherein sustainability would be possible. But without a fundamental, broad and sustained look at what is needed for sustainable cities, we'll be left with futile, feel-good initiatives like rainwater collecting on 35-story condominium buildings. Sustainable cities require first and foremost sustainable layouts and physical form; and, if they are beautiful, we will want to sustain them.

David M. Schwarz Architects, Inc., Gregory M. Hoss

By its nature, a densely built urban context is a relatively sustainable form of development. This is true in two significant aspects. First, successful urban development clearly reduces the environmental impact on a per person basis over any other known development model. The creation of dense, walkable environments allows live-work-play scenarios that maximize efficiencies while minimizing our impact on the earth's resources. Both aspects are critical in making development more sustainable; in order to increase efficiencies and reduce environmental harm, we must reduce the amount of time people spend in their automobiles, whether they are commuting, taking kids to soccer practice or shopping.

Florence, looking northwest across the Arno River from the Piazzale Michelangelo. While the city expanded its industrial and residential quarters in the 19th and 20th centuries east and west along the river (in the former case for access to water-generated power), it mostly preserved the green character of the hills to the south and north, many of which still shelter privately-owned, productive (olives and grapes in particular) agricultural estates. Photo: David T. Mayernik

Built on a former brownfield site, (the Union Pacific rail yard adjacent to downtown Las Vegas), the Smith Center is being designed, detailed and constructed as a 200-year-plus building and is striving for LEED Silver Certification. It will be the first LEED-certified civic building of its kind in the U.S. Photo: Pentagon Studios, courtesy of David M. Schwarz Architects

If sustainability is to be measured, it must not only look at the upfront use of materials and the day to day utilization of resources and energy but it must also consider the long-term impact of "survivability," i.e., the impact of planning and designing buildings and environments that survive intact from generation to generation. – Gregory M. Hoss

Second, the creation of a quality urban context – one that is vibrant and exciting yet comfortable and secure – tends to make it more likely that these places will survive for many generations. If sustainability is to be measured, it must not only look at the upfront use of materials and the day to day utilization of resources and energy, but it must also consider the long-term impact of "survivability," i.e., the impact of planning and designing buildings and environments that survive intact from generation to generation. I suspect that when all is said and done, the greatest contribution a building or place can make to sustainability is not in its selection of materials or its energy usage, but in its longevity. The energy required to plan, design, construct, operate and then demolish a building on a 20-30 year cycle is inherently non-sustainable. Timeless architecture, built well, is generally embraced by its community and is much more likely to survive for use by many generations.

Genuinely sustainable environments require architects, developers, planners and politicians to think more holistically and in longer timeframes than is happening in much of the current conversation about sustainability. Sure, state-of-the-art solutions regarding sustainable construction techniques, thoughtful selection of natural materials, use of local materials and sophisticated engineering solutions for energy consumption are necessary to reduce our impact on the environment.

However, we should also remember that the more basic tenants of good design and quality construction are, in and of themselves, often imbued with sustainable characteristics and tend to have much longer lasting environmental impacts: taking into account the orientation of a building on a site; creating facades with deeper openings, awnings, canopies or brise-soleil to control natural light and heat gain; operable windows for natural ventilation; proper design and detailing of exterior walls that prevent water infiltration and corrosion; flexible and sensible interior plan layouts that allow for future reconfiguration; and most importantly, as stated above, creating buildings and places that people embrace. The construction industry has thousands of years of experience trying to make buildings work well; we should carefully study, emulate and improve upon those successes.

One of the most significant things our generation can do to make sustainable urban environments is to educate our children about the built environment. We do a terrible job in the United States educating our kids about the built environment and its effects on us. If more people understood the benefits of good design and quality construction, there would be a much higher expectation in general about the built environment and those responsible for allocating monies (politicians, developers and institutions), those responsible for designing (architects and engineers), and those responsible for constructing them (contractors) would be held to that expectation. There has been a groundswell of media coverage about sustainability in the last few years. The key now is to transition this awareness into a more genuine and long-term study and understanding of the issues. Sustainability must be more than a series of trendy catch phrases; it must involve a continuous commitment and a more thorough understanding in order to have a significant and lasting impact in the urban context.

Duany Plater-Zyberk & Company, Galina Tachieva

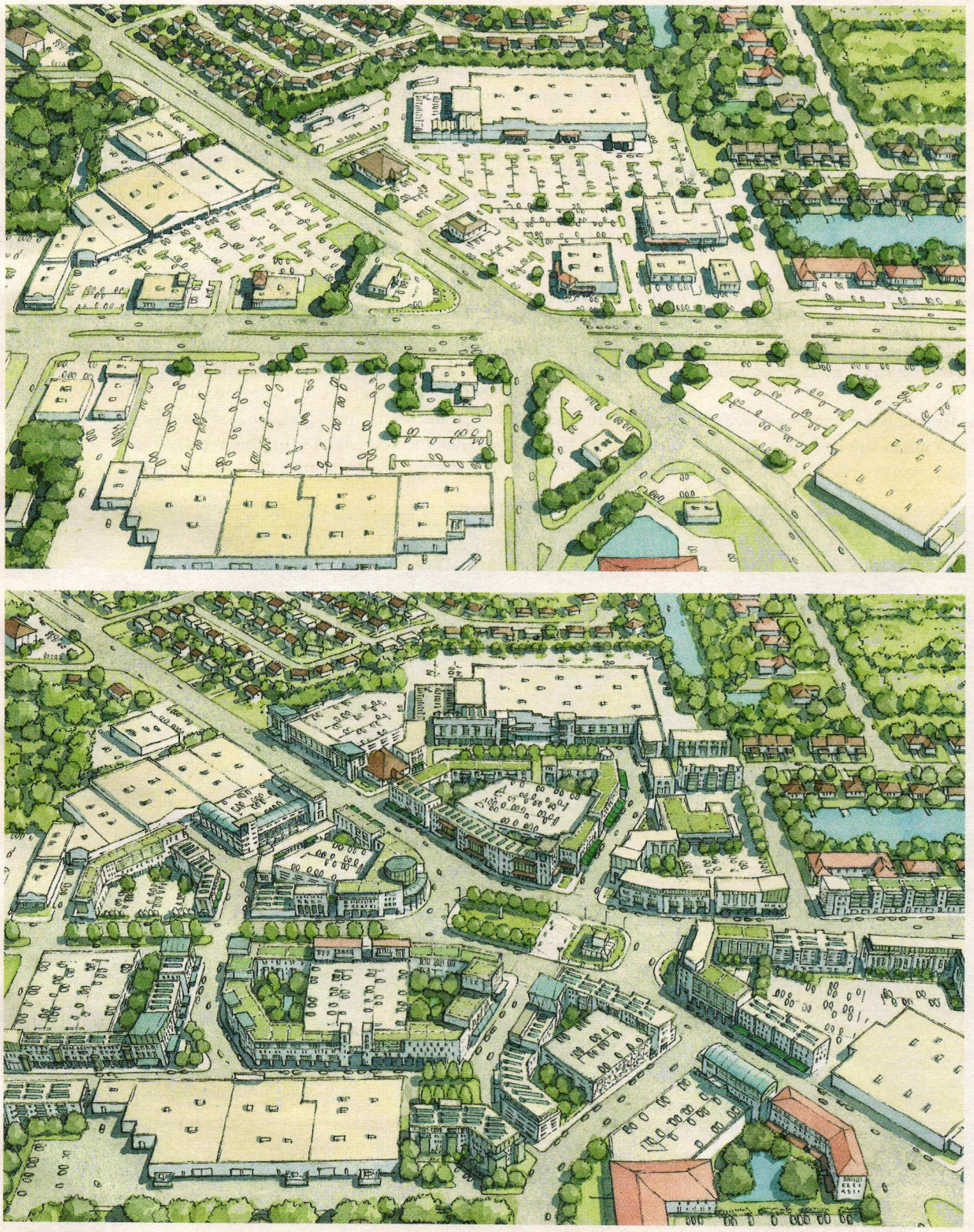
For more than two decades the work of our firm, Duany Plater-Zyberk & Company (DPZ), has gained renown as a counter-proposal to suburban sprawl. While recognized for an emphasis on place making and for outperforming conventional suburbia, DPZ's urbanism is less known for advancing the principles and techniques of sustainable planning. Beginning with Seaside in the early '80s, DPZ employed green practices long before they were required by legislation or were fashionable in the media, including light infrastructure and innovative storm water-management. More complex environmental projects eventually followed – regional plans, urban infill and suburban redevelopments.

Recently, another tier of work has evolved that offers a more explicit range of advanced environmental tools. Operating within the urban-to-rural transect, these projects have generated a menu of measures that address energy and water conservation, as well as coding techniques for successful implementation. In the spirit of this pursuit of sustainability and acknowledging the current economic, social and environmental challenges, the office has been pursuing several initiatives, among which sprawl repair perhaps stands out as one of the most urgent, and is the subject of our new publication, *The Sprawl Repair Manual.*

Sprawl is a dysfunctional form of urbanism. It is a broken pattern that needs to be fixed. While it has been the prevalent growth model in this country for the past half a century, it is in fact the least sustainable and the least affordable. As walkable, interconnected communities achieve greater acceptance and momentum, auto-dominated, discontinuous sprawl is beginning to lose value. Nonetheless, this vast amount of development, investment and expenditure of energy – however misguided – is already in the ground and cannot simply be abandoned or entirely demolished. In this era of recycling and repurposing, it is all the more imperative that architects, planners, urban designers, developers and municipalities need to engage in the repair and retrofit of sprawl into complete and healthy human environments.

The Sprawl Repair methodology provides a practical approach for incrementally transforming the typical elements of sprawl, those single-use pods connected by only a limited number of arterial roads, into pockets of accessible, mixed-use neighborhoods and town centers along transit corridors. By means of various step-by-step procedures for re-balancing and urbanization, Sprawl Repair can assist suburbia in gradually becoming more sustainable, economical, as well as energy- and resource-efficient. It offers a means to transform single-use, car-dependent agglomerations into healthy communities that are more balanced, complex and pedestrian-friendly, and that can accommodate a diversity of uses, income levels, building types, modes of transportation and civic spaces. Sprawl Repair offers not only urban design tools but also the ability to work within regulatory frameworks and to implement through financial and permitting incentives.

Suburban sprawl happened neither accidentally nor organically. While not purposely conceived as malevolent growth, sprawl is a result of human intention. Sprawl has been consciously designed, regulated and incentivized by private and public interests. The patterns of freeways, relentless asphalt, cul-de-sac subdivisions, malls and office parks evolved from specific planning practices not concerned with climate change, volatile fuel costs, or economic and environmental sustainability.



The pair of aerials demonstrates the transformation of a conventional strip shopping center into a mixed-use, pedestrian-friendly town center that will serve the surrounding suburban communities. The existing big boxes and drive-through restaurants are embedded in fine-grain fabric of urban blocks, centered on a new square. Drawings: Eusebio Azcue and Chris Ritter, DPZ

It was premised on the continued dominance of the automobile as the principal mode of transportation. Sprawl is central to greenhouse gas emissions, air pollution, water, energy and land waste, as well as serious social and health problems such as the loss of community, alienation and even obesity. While its unrestrained expansion appears to have ended, the detrimental effects of sprawl will be felt for generations. The Sprawl Repair method provides a toolkit with which to take immediate action to help mend a damaged built environment, and at a lesser cost than conventional suburban expansion.

The manual we are currently working on collects the best practices for Sprawl Repair synthesized from scores of built projects, with proven results for creating more walkable and environmentally responsible human settlements. The methodology illustrated in this book identifies the deficiencies, determines the best remedial techniques for those deficiencies, establishes the outcome for the repair, and makes recommendations for regulatory and economic incentives. In addition to detailed steps for the transformation of individual sprawl typologies, the manual advocates for an incremental approach to improving incoherent places and regions rather than only offering instantaneous and wholesale solutions.

Sprawl Repair is a progression of surgical but nevertheless substantial interventions.

Sprawl is a dysfunctional form of urbanism. It is a broken pattern that needs to be fixed. While it has been the prevalent growth model in this country for the past half a century, it is in fact the least sustainable and the least affordable. – Galina Tachieva

Comprehensive analyses of location, connectivity and the economic viability of existing structures and surrounding fabric assist in first identifying the problems and deficiencies, and then facilitating the listing of the possible actions, from minor improvements to dramatic makeovers.

The transformation of sprawl needs to envision a transitional period where a variety of changes, whether small or large, are all welcomed. The ultimate goal is to encourage any and every decision that results in the creation of compact, complete, transit-ready neighborhoods and urban cores. It is the strengthening of these nodes that will permit the sprawling suburbs to be restructured and become reenergized. Therefore, this manual operates at all scales – regional, community, block and building, and even addresses the retrofit of too-wide, traffic-choked thoroughfares and leftover open spaces that today define what is so frustratingly wrong, unsightly, and wasteful about our suburban landscape.

Hanbury Evans Wright Vlattas + Company, Gregory L. Rutledge

The urban context offers a diverse palette on which to practice sustainable planning and design. Intentional reuse of historic structures found in urban cores is not only environmentally sustainable, but it also nourishes the social context and evolution of our cities. Infill, rather than sprawl, helps reduce reliance on the automobile and increases opportunities for mass transit. A growing realization of the impact of buildings on the environment – equating to nearly half of all greenhouse gas emissions in the United States – combined with the consequences of poor community planning, have caused positive shifts in architectural design philosophy and practice.

Cities actually have a lot to learn from college campuses, which have taken the lead in adopting green practices. Viewed in an urban context, campuses have significant historic cores with cherished buildings that have outlived useful lives but are worth preserving or adapting, as well as residential zones, academic zones, business parks and transportation issues. As a practice that works primarily in campus environments, we have helped colleges and universities achieve sustainability goals through planning and design.

For example, Clemson University was awarded a LEED Silver for the renovation of an historic residential quad. The University of Vermont earned LEED Gold for a new residential project, which actively addresses the issues of energy efficiency, through siting, design, durability, resource impacts and indoor air quality. A green roof provides residents with a private courtyard with mountain views, a hydrological spine channels storm-water runoff to a filtering wetland, and energy use is measured and monitored by students. Rice University recently opened two new residential colleges that hope to achieve platinum or gold LEED ratings. This is no longer the exception, but the rule.

Sustainability in the urban context encompasses far more than retrofitting historic structures for new uses, managing energy use and incorporating "green" materials in buildings. It is also about transportation, infrastructure and growth. Again, college campuses are setting a great example. Many are in the midst of updating master plans to make more efficient use of land holdings, including infill strategies. All of the master plans we work on include plans to make campuses more friendly to the pedestrian and bicyclist. Automobiles are moved to campus edges and mass transit solutions, in partnership with local communities, are often part of the equation. Colleges and universities are enlisting plans for the preservation of their historic buildings; renovations and adaptive use, rather than replacement buildings, are on the rise in campus settings.

The same can happen in our cities. Local zoning ordinances governing historic structures in designated districts focus primarily on maintaining the aesthetics of the district and its character-defining features such as materials, fenestration, building massing, height restrictions and secondary structures. Obtaining approval for adapting technology such as solar panels to historic structures can be difficult. However, sustainable technologies are evolving daily, putting more tools at our disposal.

An urban example is our headquarters office, located in an historic building in the heart of downtown Norfolk, VA, in the Chesapeake Bay Watershed. This presents both a tremendous opportunity and a responsibility to be conscientious about the quantity and quality of storm-water runoff. With Friends of the Norfolk Environment, Inc., a not-for-profit volunteer organization that supports the environmental education program of the Norfolk Environmental Commission, our firm pursued a Chesapeake Bay Watershed Grant and, in 2004, replaced our built-up roof with a green-roof system. Beyond reducing the impact of impervious cover in the watershed, this roof has had educational, political and

College campuses can be viewed in an urban context, as evidenced by this example from Clemson University, a Hanbury Evans Wright Vlattas + Company project. In a bold move, Clemson moved its sororities and fraternities to the historic campus core by renovating 1930s-era barracks designed by Rudolph E. Lee. The buildings resonate with alumni and the school's early military history, but they were no longer "marketable" to today's students. Original buildings were renovated rather than demolished, and two new buildings were sensitively inserted into the quad. Now home to 444 students, the new Greek community achieved a LEED Silver rating. Photo: Jim Roof

professional benefits. As architects, we learned firsthand about retrofitting a 110-year-old building's roof system.

The process, from design through construction, was documented with photographs and has been used for educational presentations for the AIA, school groups and others interested in the concept. Our roof is highly visible from adjacent high-rise structures and, as the first green roof in our downtown, has sparked an enormous amount of curiosity and serves as a physical example that this "green" technology is viable in our community and in an urban setting, and also demonstrates the effectiveness of retrofitting traditional roofs with green systems.

Our roof, which was installed on Earth Day, signaled a blossoming environmental awareness and urban renaissance for this old seaport. New urban housing options allow people, including many colleagues, to forsake the suburban commute to enjoy the convenience of living, working and playing without a car. In approximately one year, Norfolk's new light rail line will open, with a downtown station just a block away from our office door. It is heartening to see.

Sustainable strategies in the urban or campus context, whether on a large or small scale, must be holistic responses. It's so obvious, so logical. What took us so long?

New Urban Guild, Stephen A. Mouzon

The subject of this roundtable, "Sustainability in the Urban Context," will someday be seen in the same light as the phrase "Human Life Extended by Breathing." In other words, "How could it be any other way?" Any discussion of "green building" is meaningless unless the building is built in a sustainable place, because if inhabiting it means you have to drive everywhere, the building's carbon footprint is nearly meaningless.

The subject of this roundtable, "Sustainability in the Urban Context," will someday be seen in the same light as the phrase "Human Life Extended by Breathing." – Stephen A. Mouzon

But today's dominant sustainability discussions are far more restrictive than merely omitting the urban half of the equation. Most focus on a very narrow band of sustainability issues known as "Gizmo Green," which is the proposition that sustainability can be achieved with better gizmos and better materials. Gizmo Green is a part of the equation, but only a very small part.

The phrase "green building" will someday be seen as a truism, as it would also have been viewed before the Thermostat Age. Originally, places and buildings had no choice but to be green, otherwise people simply couldn't live there. They would starve, freeze to death, die of heat strokes, or be eaten by wild animals. Building sustainably was a life or death proposition. Today, even the word "sustainability" has been muddied by the marketers, who are attempting to turn it into the cool new way to sell their products. But in reality, it should mean what it has always meant: keeping things going in a healthy way long into an uncertain future. This is the proposition of a set of ideas known as the Original Green (www.originalgreen.org).

What forms a sustainable place? First, it must be a nourishable place, because if you can't eat and drink there, you can't live there. Nourishing places are those where you can look out onto the fields and the waters from which much of your nourishment comes. This matters because it's not at all clear that the industrial food chain will be viable as oil declines, nor that we'll be able to get food, industrial or not, to our tables from thousands of miles away. Today, much of the food on your plate needs a passport to get there.

Next, a place must be accessible in a variety of ways, especially the self-propelled varieties, walking and biking, because no matter how high the price of gas rises, nothing short of grievous injury will take away your ability to walk. Those are the only certain means of transportation in an uncertain future.

A place must also be serviceable, so that you can get the daily services of life within walking distance. But the people serving you those services must also be able to afford to live nearby. The most serviceable places allow everyone to "make a living where you're living" because in an uncertain future, the prognosis for long commutes is especially dim.

Finally, a place must be securable against some fearful future that we hope never comes, because if people fear too much for their own safety, that of their families, and of their possessions, they'll simply go somewhere else. Securability means having the ability, without closing streets or neighborhoods, to "circle the wagons" and make private spaces more secure. Any casual walk through European cities reveals that the American freestanding house exposed on all sides is an historical anomaly. Countless great cities and towns have a continuous street face of buildings, with a securable alley or lane.

A sustainable building must first be lovable, because if it cannot be loved, it will not last. The carbon footprint of a building is completely irrelevant once its parts have been carted off to the landfill. A building focused only on being "of our time" is by definition most quickly "outtadate" tomorrow, and likely unlovable, too.

If a building is lovable, then it needs to be durable so that it can endure. Our ancestors once built for the ages. Why not us? The question, "did they leave that building site better than they found it" doesn't mean much if "they" never leave an enduring building.

A lovable, durable building also needs to be flexible so that it can house many functions over the centuries. A building that lasts for a thousand years may house the programmed function for five percent of its life or less, making the program one of the most overrated premises in architecture. We should focus instead on building a good building, useful for many things.

A lovable, durable, flexible building that's an energy hog is really bad, because you can't get rid of it! Buildings must also be frugal with energy and resources, and preserve the health of the environment around them and the inhabitants within them. Gizmo Green is a small part of frugality, but not the first part. Rather, we should do the natural things first, then bridge the gap with efficient equipment.

Some believe that the Original Green is nothing more than old towns, old buildings and old conditions, and few today want to live a medieval life. The truth, however, is more advanced than that: Think of a craftsperson, his or her tools, and the artifacts that are created. The Original Green is the intelligence of the craftsperson; living traditions are the tools, and the artifacts are the towns and buildings. Because the Original Green has always focused on what works best for a particular region's conditions, climate and culture, and because living traditions allow the Original Green to connect to the people, not just the specialists, it has always produced the most up-to-date artifacts. In other words, it produces the most sustainably modern architecture. It is time to reawaken it now.

Urban Design Associates, Rob Robinson

The notion of moving our practice towards what we call "the next generation" of urban environments involves notions of sustainable design at many different levels. Within the urban context, it is about creating a bridge from the past to the future through careful consideration of climate, urban systems, connectivity, social and cultural influences in the context of inherited fabric, and scale of place.

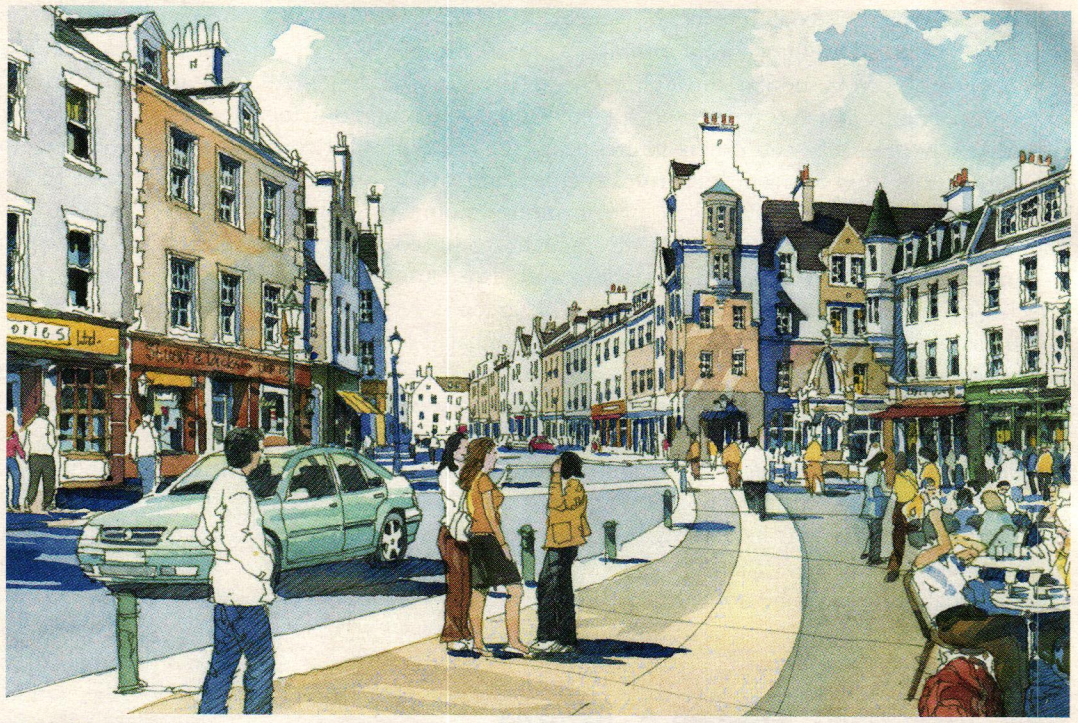
At the most basic level, it is about using resources wisely and in ways that foster a sense of community and local identity. As urban designers, we must consider the deep well of issues and opportunities that promote smarter and more humane urbanism capable of change over a long period of time.

It all matters: the orientation of streets and buildings; climatic response through building form and expression; sun exposure and wind patterns relative to public spaces; walking distances; pedestrian and bike networks that link people to the city; public spaces and neighborhoods; mixed-use patterns that bring amenities; services and goods within easy reach to create 24 hour environments – all of these aspects make up the fundamental building blocks of a sustainable place.

There is certainly a fascination with the latest and greatest technological gear. Architects are especially vulnerable to the current "cutting edge."

I think there is a genome sequence embedded in us that encourages us to try every new method and material. We are experimental as a lot. If the recent past is any indication, the scorecard is pretty shaky. However, investment in new urban infrastructure that supports high quality urban environments is intensive and complicated, yet essential to accommodate growth, promote resource conservation and repair environmental damage.

In this country we are faced with aging and inefficient systems that must be replaced with more sustainable methods, equipment and materials in order to maintain and enhance the viability of urbanization. Outdated sanitary and storm systems, electrical and communications infrastructure, transportation facilities and transit systems, energy production and distribution, waste removal and processing limit the viability and livability of our towns and cities. Backbone infrastructure should be the focus of public investment with goals of increased efficiency, reduced environmental impacts and long-term adaptability. This is essential if we are to realize competitive advantages of urban locations. We are far behind most of the developed world in our reinvestment policies and priorities. The fact that we can't implement a legitimate mass transit system that could replace much of the carbon intensive air and auto travel is but one example.



Urban Design Associates, in collaboration with The Prince's Foundation for the Built Environment, conducted an Enquiry by Design process to study the expansion of Ellon with national builder Scotia Homes. This public participatory process has produced a plan that calls for both restoring the historic core of Ellon and building new neighborhoods as extensions of, and support for, the existing town. The physical form and character of the new areas will draw lessons from the great traditions of Scottish town building, especially those of Aberdeenshire. UDA is now working with Scotia Builders to design detailed building types and implement phases of the plan. The new High Street, shown here, will serve as the central spine of the new development. Drawing: courtesy of Urban Design Associates

But it isn't all about the plumbing and the wiring. We want our urbanism to be loved and admired as well as meaningful and supportive. Without this, it doesn't matter how efficient the geothermal power plant is. Most of the "detail" issues in thinking about green urbanism, such as green roofs, green streets, energy alternatives, storm water management, zero carbon emissions, etc. are all part of a desire to address the thoughtless investments that ignore environmental imperatives to repair, conserve and enhance our resources. This desire is by nature inclusive, not exclusive.

The role of designers is to help craft thoughtful responses and facilitate broad discussion within communities to establish principles, aspirations, goals and important physical and social outcomes. It is a constant balance to bridge the past with the future. The restoration of good, well-built buildings, parks and infrastructure that can be adapted to new uses and new contexts remains at the top of the list for achieving sustainable urbanism. Adding to cities, towns and neighborhoods in ways that support local businesses, quality of life, connectivity and healthy living is an imperative.

Designed by UDA, the Ni Village in Spotsylvania County, VA, addresses the needs of a regional population increasingly strained by the demands of long commutes and rising fuel costs. It will offer an integrated living and working environment that affords more quality time for friends, family and personal fulfillment. The 323-acre village will incorporate 950 housing units, local neighborhood commercial shops, a higher education center devoted to green technologies, as well as a network of running and biking trails through 150 acres of preserved natural habitat. Drawing: courtesy of Urban Design Associates

The long view always seems to serve us best as we adapt to changing patterns and technologies. The fundamentals of making livable, sustainable cities and towns with humane public spaces and interesting architecture and landscapes that reflect local patterns should help us incorporate emerging methods and systems that make sense in the context of a specific place.

Over the past decade, the progressive thinking about building performance and efficiency has tended to focus on the parts and pieces as materials, methods, and mechanical and electrical systems that are introduced and specified in projects at every scale. This period of inventive and focused research and development creates the opportunity for great strides forward in the way we all think about resources.

"Built to last" has been a mantra for architects and urban designers forever, with all too few examples to point to. Rethinking the building process, use of materials, environmental outcomes, local sourcing, adaptability and the basic land use and infrastructure patterns presents a critical moment for preservationists, policy makers, urban planners and designers to articulate a series of principles that guide the decisions to build, restore and conserve.

Voith & Mactavish Architects, LLP, John H. Cluver

Sustainability can have many definitions, but one of the most straightforward is the ability to meet our current needs without compromising the ability of future generations to meet theirs. "Green design" and preservation are concepts that often are considered independently and, not infrequently, in opposition to each other, but the reality is that they share many common goals and features, particularly when they are focused on the issue of good urbanism and true sustainability. In a vibrant urban environment, sustainability can be supported by a combination of preservation, traditional design practices, and innovative ideas and technologies. Success is achieved when all of these are employed simultaneously, allowing no one aspect to take precedence at the expense of the others.

Most of our urban environments were founded before the 20th century, and built with traditional planning and construction principles with levels of energy use that are a fraction of those employed today. Today these urban environments offer wonderful opportunities to effectively leverage the embodied energy found in their existing large investments in infrastructure and building stock. At the most basic level, reusing an existing urban building takes advantage of the utility services, roads, and transit systems that have already been built. It also maintains the pedestrian scale and reduces dependence on private cars for everyday commuting and chores, further conserving resources.

"Green design" and preservation are concepts that often are considered independently and, not infrequently, in opposition to each other, but the reality is that they share many common goals. – John H. Cluver

Regardless of its age, style, or condition, these factors provide an urban building with an inherent sustainability advantage over new and/or greenfield construction. This can apply even to buildings of the "recent past." While they may lack some of the sustainable or aesthetic qualities of our older buildings, they do possess significant embodied energy and the potential for simple efficiency improvements. While some may have been built in a manner that cannot be easily upgraded, or do not contribute to their context, others have the ability to be sustainably renovated to continue, or even improve, their role in the urban environment.

Too often, the general perception is that sustainability is achieved solely through the use of green materials and innovative technologies. New materials and innovative technologies definitely have a role to play in improving the energy efficiency and sustainability of our cities, in both new and old buildings; for example, geothermal wells can be discretely installed under paved areas to provide efficient heating and cooling; green roofs can reduce summer heat gain in and around buildings, while also reducing the rate of stormwater discharge during heavy rains; and daylight sensors can be combined with dimmable light fixtures and motorized shades to automatically control light and heat levels within a building. However, our historic buildings typically were built with durable, maintainable materials that can be repaired and renewed with less energy than new construction and, once restored, have the potential to outlast new buildings as well.

Despite the caricature of the "drafty old building," traditionally-built old structures can be more efficient than their more modern counterparts (a GSA study in 1999 found that their historic building stock averaged 27% lower utility costs than their non-historic buildings). Old buildings were constructed before air conditioning, forced-air heating, and tungsten-filament light bulbs, and they needed to provide function and comfort by working with the natural environment, rather than consuming energy-intensive utilities. Traditional building practices such as higher ceilings for deep light penetration, thick-wall construction for durability and thermal inertia, deep-set windows and window surrounds for summertime solar shading, and natural ventilation – all were forms of leveraging limited energy resources to maximum benefit that could continue to be used today.

Simple, cost-effective improvements such as boiler upgrades, programmable thermostats, occupancy sensors on lights, attic insulation, solar reflective flat roofs, window weather-stripping, storm windows, and window shades all can improve on existing features to provide significant energy savings, with much less cost (in dollars and energy) than new construction. Upgrades such as these to an existing building can reduce its energy consumption by 50%, without relying on expensive technologies that have payback periods extending into multiple decades.

New technologies, when considered holistically within the context of an existing building and its environment, can be integrated in a way that best uses the inherent benefits of each. Regardless of building age and style, preservation, traditional design practices, and innovative design ideas can work together to create an efficient whole and to create and maintain a sustainable urban environment. **TB**

Existing buildings, be they less than 20 years old, more than 200, or somewhere in between, represent a high level of embodied energy and need to play a central role in a sustainable urban context. Traditional building practices and innovative technologies can be combined as part of an holistic renovation program to promote true sustainability. Voith & Mactavish Architects designed the renovation of the former ASTM Headquarters in Philadelphia for reuse as part of the Moore College of Art and Design, reusing a well-constructed building so that it would accommodate a new function while being more energy efficient and more responsive to its urban context. Photo: courtesy of Voith & Mactavish

The Guidebook

How to use the Guidebook

The Guidebook consists of three parts:

Product & Service Index **22**

Sourcelist **36**

Portfolios **42**

To find a comprehensive list of product or service providers in a particular field, consult the Index. Here you will find more than 750 categories in 20 sections. If you are searching for ornamental plaster ceilings, for example, first identify the appropriate section, in this case, Section 8, "Interior Elements, Ornament & Finishes." Then locate the category, "Ceilings, Ornamental, Plaster." Here you will find a list of manufacturers and suppliers. You can then find full contact information, including website addresses and a brief description of the companies, in the alphabetical Sourcelist. To browse through photos of the work of the companies listed in the Guidebook, turn to the Portfolios. To locate a company's ad, consult the Advertiser Index below.

Advertiser Index

This index lists the page number for the company's ad as well as the reader service number. You can order product literature from a company by going online to www.traditional-building.com/rs and keying in the appropriate reader service number.

Artwork, Art Glass & Furnishings

Reader service number ..... Page number

5100. Canning Studios 44
1841. Conrad Schmitt Studios, Inc. 81
2520. Gaby's Shoppe 46
4710. Lynne Rutter Murals & Decorative Painting 46
1810. Modern Art Foundry 47
8002. Rambusch Decorating Co. 74, 94
6240. Rohlf's Stained & Leaded Glass Studio 47

Columns & Capitals

1088. Architectural Products By Outwater, LLC 5
1580. Chadsworth Columns – PolyStone 50
180. Chadsworth Columns – Wood 50
806. Goodwin Associates 50

Conservatories & Outbuildings

378. Renaissance Conservatories 53
1174. Solar Innovations, Inc. 52
8270. Tanglewood Conservatories 51

Doors, Windows, Shutters & Hardware

1997. Accurate Lock & Hardware Co. 70
2636. Al Bar-Wilmette Platers 71
690. Allied Window, Inc. 68
* Architectural Components 65
1670. Architectural Resource Center 65
2930. Ball & Ball Hardware 140
1836. Brusso Inc. 71
2390. Cityproof Windows 64
9600. Coppa Woodworking 68
6980. Craftsmen Hardware Co. 71
1900. Custom Shutter Company 69
2260. E.R. Butler & Co. 7
2540. European Hardware & Finishes/Gerber Hinge 67
1910. Grabill Windows & Doors 64
1947. Hamilton Sinkler 108
1696. Illingworth Millwork, LLC 66
909. Innerglass Window Systems 66
* Kayne and Son Custom Hardware Inc. 66
7990. Kestrel Shutters 66
955. M&A Architectural Preservation, Inc. 67
1263. Marvin Windows & Doors – Windows 21
1907. Marvin Windows and Doors – Doors 21
964. Mon-Ray, Inc. – DeVAC Aluminum Windows 69
1042. Mon-Ray, Inc. – Storm Windows 69
319. Notting Hill Decorative Hardware 66
1065. Ohline Corp. 66
3003. Parrett Windows & Doors 63
1998. Pella Corporation 61
6001. Phelps Company 67
9210. Reilly WoodWorks 55
1579. Richards-Wilcox Door Hardware 71
1480. Rohlf's Stained Glass Studio 47
1995. SA Baxter Architectural Hardware 57
1321. Shuttercraft 65
1988. The Nanz Company 59
9640. Wood Window Workshop 70

Exterior Elements, Ornament & Finishes

1300. Abatron, Inc. 73
7260. Ball Consulting 75
5470. Color People, The 73
2678. EverGreene Architectural Arts 75
2890. Felber Ornamental Plastering Corp. 75

Flooring

Reader service number ..... Page number

1457. Antique Lumber 77
3950. Brandt, Sylvan 77
2744. Carlson's Barnwood Co. 77
* Chestnut Specialists 77
4320. Craftsman Lumber Company 77
1330. Goodwin Heart Pine 77
2794. Northeast Millwork Corp. 77

Interior Elements, Ornament & Finishes

8032. American Restoration Tile, Inc. 85
966. Brian Greer's Tin Ceilings, Walls & Metal Work 85
1990. Carreaux du Nord 83
190. Chelsea Decorative Metal Co. 85
8040. Conrad Schmitt Studios 81
250. Designs In Tile 85
1808. Dutch Delft Tiles by Oudolf Jr. 85
2460. EverGreene Architectural Arts 75
1960. Fischer & Jirouch Co. 74
810. Leo Uhlfelder Co. 85
861. NIKO Contracting 119
1994. Palladio Mouldings 83
138. Superior Moulding, Inc. 83
1794. Tile Art / Subway Ceramics 84
520. W.F. Norman Corp. 118

Landscape, Streetscape & Garden Specialties

1555. Aristone Designs, Inc. 50
5830. Bamboo & Rattan Works 87
7130. Brosamer's Bells 89
2090. Doty & Sons Concrete Products 89
1706. Gladding, McBean – Garden Pottery 2
1707. Gladding, McBean – Floor & Landscape Paving 2
4020. Haddonstone (USA), Ltd. 87
8730. Lake Shore Industries, Inc. 87
1672. No 9 Studio UK 87

Lighting & Electrical

60. Authentic Designs 91
7660. Ball & Ball Lighting 140
166. Bevolo Gas & Electric Lights 99
488. Cole & Co., C.W. 98
* Coppersmythe, Josiah R. 99
313. Crenshaw Lighting 98
809. Deep Landing Workshop 91
2833. Federalist, The 91
9130. Herwig Lighting 99
1210. Historical Arts & Casting, Inc. 97
1096. House of Antique Hardware 98
1992. Jonathan Browning Studios 95
1239. Lantern Masters 96
1410. Mills Architectural Lighting 92
800. Newstamp Lighting Co. 96
1045. Otteson Co 91
6310. Rambusch Lighting Design Studios 74, 94
7630. Rejuvenation 94
7730. Schiff Architectural Detail, LLC 106
4170. Scofield Historic Lighting 92
6190. St. Louis Antique Lighting Co. 93
483. Steven Handelman Studios 94

Metalwork

Reader service number ..... Page number

9820. Architectural Grille 103
1270. Bill's Custom Metal Fabrications 108
1973. Classic Grills 106
1023. DeAngelis Iron Work, Inc. 108
2640. Fine Architectural Metalsmiths 106
1220. Frank Morrow Co. 104
4780. Goddard Mfg. Co. 85
1879. Heat Registers.com 103
1968. Heritage Cast Iron USA 103
1335. Kees Architectural Division 105
1799. MAC Metals 108
5810. Reggio Register Co., The 104
3240. Robinson Iron Corp. 107
1218. Schwartz's Forge & Metalworks, Inc. 106
1516. Triple-S Chemical Products, Inc. 99
1223. Wiemann Metalcraft 106

Plumbing, Bath & Heating

* Bathroom Machineries, DEA 109
1779. Unico System, Inc. 110

Professional Services

1673. Building Conservation Associates 113
1991. Historic Structures 113

Roofing & Roof Specialties

2730. Campbellsville Industries 117
1514. Cape Cod Cupola Co. 119
1280. Classic Gutter Systems, LLC 119
1377. EJMcopper, Inc. 119
6010. Gladding, McBean – Architectural Terra Cotta 2
1705. Gladding, McBean – Roof Tile 2
2470. Heather & Little, Ltd. 119
1932. Inspire Roofing Products 115
2760. Ludowici Roof Tile 117
8300. NIKO Contracting 119
1999. Slate Affair, Inc. 139
4570. Tile Roofs, Inc. 117

Salvaged Materials & Antiques

521. Bear Creek Lumber 121
* Good Time Stove Co. 121
2002. San Marco USA 78

Stone, Brick & Masonry

406. ArmaKleen Co 123
1891. Belden Brick Co. 124
160. Boston Valley Terra Cotta 49
8079. Gavin Historical Bricks Inc. 123
1883. Rugo Stone, LLC 124
2001. Stoneyard.com 123
504. Weathercap, Inc. 118

Timber Framing & Barns

1439. Country Carpenters, Inc. 126
1878. Early New England Homes by Country Carpenters 126
1954. Hochstetler Milling, Ltd. 126
663. Hugh Lofting Timber Framing, Inc. 126
1233. Liberty Head Post & Beam 126

Tools & Equipment

1058. Trow & Holden 124

Woodwork

1274. Balquist Carving Studio 129
1061. Vintage Woodworks 127
1650. Wilbur, Frederick - Woodcarver 127
1996. Zepsa Industries, Inc. 129

**Contact for more information.*

www.traditional-building.com

To build this collection, we went to the best suggestion box of all. Your job site.

©2009 Marvin Windows and Doors. All rights reserved. ®Registered trademark of Marvin Windows and Doors.

The New Marvin Ultimate Casement Window

Meet the Ultimate Casement Collection, a revolutionary new line that combines the craftsmanship and innovation you've come to expect from Marvin. Inspired by your suggestions, we developed larger sizes and matched them with the industry's most innovative hardware for unrivaled performance. All that combined with easy installation and a wash mode that allows homeowners to clean their windows from inside makes this new collection truly ultimate.

Visit marvincasement.com or call 1-888-553-9988 for a free Ultimate Casement Collection brochure.

MARVIN®
Windows and Doors
Built around you.®

KEY IN NO. 1263 FOR WINDOWS & NO. 1907 FOR DOORS

Product & Service Index

GUIDEBOOK CATEGORIES

1 Artwork, Art Glass & Furnishings 22
2 Columns & Capitals 22
3 Conservatories & Outbuildings 23
4 Doors, Windows, Shutters & Hardware 23
5 Elevators, Lifts & Dumbwaiters 25
6 Exterior Elements, Ornament & Finishes 25
7 Flooring 26
8 Interior Elements, Ornament & Finishes 26
9 Landscape, Main Street & Garden Specialties 27
10 Lighting & Electrical 28
11 Mantels, Fireplaces & Chimneys 30
12 Metalwork 30
13 Plumbing, Bath & Heating 32
14 Professional Services 32
15 Roofing & Roof Specialties 32
16 Salvaged Materials & Antiques 33
17 Stone, Brick & Masonry 34
18 Timber Framing & Barns 34
19 Tools & Equipment 34
20 Woodwork 34

SECTION 1

ARTWORK, ART GLASS & FURNISHINGS

Art Conservation
See Conservation Services, Art in Section 14

Art Glass Restoration
Canning Studios
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Rohlf's Stained & Leaded Glass Studio
Serpentino Stained & Leaded Glass

Art Glass Supplies
Architectural Products by Outwater, LLC

Art Glass, Antique Original
Carlson's Barnwood Co.
Conrad Schmitt Studios, Inc.

Art Glass, Beveled
Rohlf's Stained & Leaded Glass Studio

Art Glass, Etched
Conrad Schmitt Studios, Inc.
Rohlf's Stained & Leaded Glass Studio

Art Glass, Leaded
Rohlf's Stained & Leaded Glass Studio
Serpentino Stained & Leaded Glass

Art Glass, Stained & Painted
Conrad Schmitt Studios, Inc.
Historic Structures
Rohlf's Stained & Leaded Glass Studio
Serpentino Stained & Leaded Glass

Furniture Hardware
Architectural Products by Outwater, LLC
Ball & Ball Hardware
Brusso Incorporated
Craftsmen Hardware Co.
E.R. Butler & Co.
Notting Hill Decorative Hardware

Furniture, Custom
Bill's Custom Metal Fabrications
Deborah Mills Woodcarving
Gaby's Shoppe
Wiemann Metalcraft

Furniture, Standard Designs
Gaby's Shoppe

Mosaic Conservation
See Conservation Services, Mosaics, in Section 14

Mosaics, Figurative & Pictorial
American Restoration Tile, Inc.
Canning Studios
Conrad Schmitt Studios, Inc.
Designs in Tile
EverGreene Architectural Arts, Inc.
Tile Art/Subway Ceramics

Mosaics, Floor
See Non-Wood Flooring, Mosaic, in Section 7

Mosaics, Geometric
Canning Studios
Conrad Schmitt Studios, Inc.
Designs in Tile
EverGreene Architectural Arts, Inc.

Murals, Exterior
Belden Brick Co., The
Canning Studios
Designs in Tile
EverGreene Architectural Arts, Inc.
No 9 Studio UK

Murals, Interior
Canning Studios
Conrad Schmitt Studios, Inc.
Designs in Tile
EverGreene Architectural Arts, Inc.
Lynne Rutter Murals & Decorative Painting
No 9 Studio UK

Sculpture Conservation
See Conservation Services, Sculpture, in Section 14

Sculpture, Custom
Conrad Schmitt Studios, Inc.
Deborah Mills Woodcarving
Modern Art Foundry
No 9 Studio UK
Schiff Architectural Detail, LLC
Slate Affair, Inc.
Walter S. Arnold, LLC

Sculpture, Custom Casting
Allen Architectural Metals, Inc.
Modern Art Foundry
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Sculpture, Garden
No 9 Studio UK
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Slate Affair, Inc.

Sculpture, Standard Designs
Robinson Iron Corp.

Window Treatments
Architectural Products by Outwater, LLC
Gaby's Shoppe
Jonathan Browning Studios

SECTION 2

COLUMNS & CAPITALS

Capitals, Carved Stone
Walter S. Arnold, LLC
Kopelov Cut Stone

Capitals, Carved Wood
1.800.COLUMNS
Architectural Products by Outwater, LLC
Balquist Carving Studio
Chadsworth Columns
Heartwood Carving
Wilbur, Frederick - Woodcarver

Capitals, Cast Metal
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
DeAngelis Iron Work, Inc.
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Capitals, Cast Stone
Aristone Designs, Inc.
Goodwin Associates
Schiff Architectural Detail, LLC

Capitals, Fabricated Metal
DeAngelis Iron Work, Inc.
Heather & Little Limited
Schiff Architectural Detail, LLC

Capitals, Fiberglass
Architectural Products by Outwater, LLC
Aristone Designs, Inc.
Goodwin Associates
Schiff Architectural Detail, LLC

Capitals, Gypsum
Felber Ornamental Plastering Corp.

Capitals, Plaster
Architectural Products by Outwater, LLC
Aristone Designs, Inc.
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Fischer & Jirouch Co.

Capitals, Polymer
Architectural Products by Outwater, LLC

Goodwin Associates
Schiff Architectural Detail, LLC

Capitals, Polymer-Modified Gypsum
Architectural Products by Outwater, LLC
Felber Ornamental Plastering Corp.

Capitals, Polymer/Stone
Chadsworth Columns

Columns, Cast Metal
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
Campbellsville Industries, Inc.
DeAngelis Iron Work, Inc.
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Columns, Cast Stone
Aristone Designs, Inc.
Goodwin Associates
Haddonstone (USA), Ltd.
Schiff Architectural Detail, LLC

Columns, Exterior
1.800.COLUMNS
Architectural Products by Outwater, LLC
Aristone Designs, Inc.
Boston Valley Terra Cotta
Campbellsville Industries, Inc.
Chadsworth Columns
Goodwin Associates
Haddonstone (USA), Ltd.
Illingworth Millwork, LLC
Schiff Architectural Detail, LLC

Columns, Fabricated Metal
Allen Architectural Metals, Inc.
DeAngelis Iron Work, Inc.
Schiff Architectural Detail, LLC

Columns, Fiberglass
1.800.COLUMNS
Architectural Products by Outwater, LLC
Aristone Designs, Inc.
Campbellsville Industries, Inc.
Goodwin Associates

Columns, Gypsum
Felber Ornamental Plastering Corp.

Columns, Interior
1.800.COLUMNS
Architectural Products by Outwater, LLC
Aristone Designs, Inc.
Balquist Carving Studio
Chadsworth Columns
EverGreene Architectural Arts, Inc.
Goodwin Associates
Illingworth Millwork, LLC

Columns, Plaster
1.800.COLUMNS
Aristone Designs, Inc.
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Fischer & Jirouch Co.
Goodwin Associates

Columns, Polymer
1.800.COLUMNS
Architectural Products by Outwater, LLC
Goodwin Associates

Columns, Polymer-Modified Gypsum
Felber Ornamental Plastering Corp.

Columns, Polymer/Stone
1.800.COLUMNS
Chadsworth Columns

Columns, Solid Wood
Architectural Products by Outwater, LLC
Campbellsville Industries, Inc.
EverGreene Architectural Arts, Inc.
Goodwin Associates
Heartwood Carving
Illingworth Millwork, LLC

Columns, Wood Stavework
1.800.COLUMNS
Architectural Products by Outwater, LLC
Chadsworth Columns

SECTION 3
CONSERVATORIES & OUTBUILDINGS

Barns
See Section 18

Bridges
See Section 9

Conservatories, Custom
Renaissance Conservatories
Slate Affair, Inc.
Solar Innovations, Inc.
Tanglewood Conservatories

Conservatories, Standard Designs
Renaissance Conservatories
Solar Innovations, Inc.
Tanglewood Conservatories

Follies
Haddonstone (USA), Ltd.
Wiemann Metalcraft

Garden Houses
Country Carpenters, Inc.
Renaissance Conservatories
Slate Affair, Inc.
Tanglewood Conservatories

Gazebos, Custom
Allen Architectural Metals, Inc.
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Tanglewood Conservatories
Wiemann Metalcraft

Gazebos, Standard Designs
Haddonstone (USA), Ltd.
Solar Innovations, Inc.
Tanglewood Conservatories

Greenhouses, Custom
Renaissance Conservatories
Slate Affair, Inc.
Solar Innovations, Inc.
Tanglewood Conservatories

Greenhouses, Standard Designs
Renaissance Conservatories
Solar Innovations, Inc.
Tanglewood Conservatories

Orangeries
Allen Architectural Metals, Inc.
Solar Innovations, Inc.
Wiemann Metalcraft

Pavilions
Allen Architectural Metals, Inc.
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
Tanglewood Conservatories

Pergolas
See Section 9

Pool Houses
Country Carpenters, Inc.
Renaissance Conservatories
Solar Innovations, Inc.
Tanglewood Conservatories

Sunrooms
See Conservatories

SECTION 4
DOORS, WINDOWS, SHUTTERS & HARDWARE

Barn Door Hardware
Ball & Ball Hardware
Carlson's Barnwood Co.
James Peters & Son, Inc.
Kayne & Son Custom Hardware
Old Smithy Shop
Richards-Wilcox, Inc.
Schiff Architectural Detail, LLC

Cabinet Hardware
Al Bar-Wilmette Platers
Architectural Products by Outwater, LLC
Architectural Resource Center
Ball & Ball Hardware
Bathroom Machineries, DEA
Brusso Incorporated
Craftsmen Hardware Co.
E.R. Butler & Co.
Hamilton Sinkler
House of Antique Hardware
Kayne & Son Custom Hardware
Notting Hill Decorative Hardware
Old Smithy Shop
Rejuvenation
SA Baxter Architectural Hardware
Schiff Architectural Detail, LLC

Door Hardware, Antique Original
Al Bar-Wilmette Platers
Ball & Ball Hardware
Brandt, Sylvan
European Hardware & Finishes/
Gerber Hinge Co.
Notting Hill Decorative Hardware
Rejuvenation
Richards-Wilcox, Inc.
Schiff Architectural Detail, LLC

Door Hardware, Brass & Bronze
Accurate Lock & Hardware Co.
Al Bar-Wilmette Platers
Architectural Products by Outwater, LLC
Architectural Resource Center
Ball & Ball Hardware
Craftsmen Hardware Co.
E.R. Butler & Co.
European Hardware & Finishes/
Gerber Hinge Co.
Hamilton Sinkler
Historical Arts & Casting, Inc.
House of Antique Hardware
Kayne & Son Custom Hardware
Notting Hill Decorative Hardware
Rejuvenation
SA Baxter Architectural Hardware
Schiff Architectural Detail, LLC

Door Hardware, Cast Iron
Al Bar-Wilmette Platers
Architectural Resource Center
Ball & Ball Hardware
Brandt, Sylvan
E.R. Butler & Co.
European Hardware & Finishes/
Gerber Hinge Co.
Historical Arts & Casting, Inc.
House of Antique Hardware
Schiff Architectural Detail, LLC

Door Hardware, Custom
Accurate Lock & Hardware Co.
Al Bar-Wilmette Platers
Ball & Ball Hardware
Craftsmen Hardware Co.
European Hardware & Finishes/
Gerber Hinge Co.
Kayne & Son Custom Hardware
Kestrel Shutters
Notting Hill Decorative Hardware
Old Smithy Shop
Richards-Wilcox, Inc.
SA Baxter Architectural Hardware
Schiff Architectural Detail, LLC
The Nanz Company

Door Hardware, Glass
Al Bar-Wilmette Platers
Architectural Products by Outwater, LLC
House of Antique Hardware
Rejuvenation

Door Hardware, Nickel
Al Bar-Wilmette Platers
Architectural Products by Outwater, LLC
Ball & Ball Hardware
E.R. Butler & Co.
European Hardware & Finishes/
Gerber Hinge Co.
House of Antique Hardware
Rejuvenation
Schiff Architectural Detail, LLC
The Nanz Company

Door Hardware, Porcelain
Al Bar-Wilmette Platers
Architectural Products by Outwater, LLC
Brandt, Sylvan
E.R. Butler & Co.
European Hardware & Finishes/ Gerber Hinge Co.
House of Antique Hardware
Rejuvenation
The Nanz Company

Door Hardware, Reproduction Services
Accurate Lock & Hardware Co.
Al Bar-Wilmette Platers
Architectural Resource Center
Ball & Ball Hardware
Craftsmen Hardware Co.
E.R. Butler & Co.
Kayne & Son Custom Hardware
Old Smithy Shop
Notting Hill Decorative Hardware
Richards-Wilcox, Inc.
SA Baxter Architectural Hardware
Schiff Architectural Detail, LLC
The Nanz Company

Door Hardware, Standard Designs
Accurate Lock & Hardware Co.
Al Bar-Wilmette Platers
Architectural Products by Outwater, LLC
Craftsmen Hardware Co.
Kayne & Son Custom Hardware
Kestrel Shutters
Notting Hill Decorative Hardware
Old Smithy Shop
Richards-Wilcox, Inc.
SA Baxter Architectural Hardware

Door Hardware, Wrought Iron
Al Bar-Wilmette Platers
Ball & Ball Hardware
E.R. Butler & Co.
House of Antique Hardware
Kayne & Son Custom Hardware
Kestrel Shutters
Old Smithy Shop
Richards-Wilcox, Inc.
Schiff Architectural Detail, LLC

Entryways, Metal
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC

Entryways, Wood
Architectural Components, Inc.
Architectural Products by Outwater, LLC
Grabill Windows & Doors
Illingworth Millwork, LLC
Reilly Windows & Doors

Furniture Hardware
See Section 1

Garage Doors, Out-Swing
Illingworth Millwork, LLC
James Peters & Son, Inc.
Reilly Windows & Doors

Garage Doors, Sectional
Illingworth Millwork, LLC
Kestrel Shutters
Reilly Windows & Doors

Garage Doors, Sliding
European Hardware & Finishes/ Gerber Hinge Co.
Reilly Windows & Doors

Gate Hardware
See Section 9

Glass, Antique Original
See Sections 1 and 16

Glass, Art
See Art Glass in Section 1

Glass, Historical Replicas
Rohlf's Stained & Leaded Glass Studio

Hardware Restoration
Al Bar-Wilmette Platers
Ball & Ball Hardware
E.R. Butler & Co.
Historical Arts & Casting, Inc.
House of Antique Hardware
Kayne & Son Custom Hardware

Metal Door Restoration
Fine Architectural Metalsmiths
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC

Metal Doors, Aluminum
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Solar Innovations, Inc.
Wiemann Metalcraft

Metal Doors, Bronze
Heather & Little Limited
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Metal Doors, Custom
Allen Architectural Metals, Inc.
Fine Architectural Metalsmiths
Heather & Little Limited
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Slate Affair, Inc.
Solar Innovations, Inc.
Wiemann Metalcraft

Metal Doors, Steel
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Metal Window Restoration
Heather & Little Limited
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Seekircher Steel Window Repair Corp.
Wiemann Metalcraft

Metal Windows, Aluminum
Allied Window, Inc.
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Solar Innovations, Inc.
Wiemann Metalcraft

Metal Windows, Bronze
Heather & Little Limited
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Metal Windows, Custom
Allen Architectural Metals, Inc.
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Solar Innovations, Inc.
Wiemann Metalcraft

Metal Windows, Steel
Schiff Architectural Detail, LLC
Seekircher Steel Window Repair Corp.
Wiemann Metalcraft

Screen Doors, Metal
Solar Innovations, Inc.
Wiemann Metalcraft

Screen Doors, Wood
Architectural Components, Inc.
Coppa Woodworking
Grabill Windows & Doors
Illingworth Millwork, LLC
Reilly WoodWorks
Vintage Woodworks
Wood Window Workshop

Screens, Window
Allied Window, Inc.
Architectural Components, Inc.
Coppa Woodworking
Grabill Windows & Doors
Illingworth Millwork, LLC
Innerglass Window Systems
Solar Innovations, Inc.
Wood Window Workshop

Shutter Hardware
Architectural Products by Outwater, LLC
Ball & Ball Hardware
Custom Shutter Company
E.R. Butler & Co.
European Hardware & Finishes/ Gerber Hinge Co.
House of Antique Hardware
James Peters & Son, Inc.
Kestrel Shutters
Ohline Corp.
Old Smithy Shop
Shuttercraft, Inc.

Shutters, Exterior
Architectural Products by Outwater, LLC
Custom Shutter Company
Goodwin Associates
Illingworth Millwork, LLC
Kestrel Shutters
Shuttercraft, Inc.

Shutters, Interior
Architectural Products by Outwater, LLC
Custom Shutter Company
Illingworth Millwork, LLC
Kestrel Shutters
Shuttercraft, Inc.

Storm Doors, Metal
Cityproof Windows
Historical Arts & Casting, Inc.

Storm Doors, Wood
Architectural Components, Inc.
Coppa Woodworking
Grabill Windows & Doors
Illingworth Millwork, LLC
Ohline Corp.
Vintage Woodworks
Wood Window Workshop

Storm Windows, Exterior
Allied Window, Inc.
Architectural Components, Inc.
Coppa Woodworking
Grabill Windows & Doors
Historical Arts & Casting, Inc.
Illingworth Millwork, LLC
Marvin Windows and Doors
Mon-Ray, Inc.
Wood Window Workshop

Storm Windows, Interior
Allied Window, Inc.
Architectural Components, Inc.
Cityproof Windows
Grabill Windows & Doors
Historical Arts & Casting, Inc.
Illingworth Millwork, LLC
Innerglass Window Systems
Marvin Windows and Doors
Mon-Ray, Inc.
Wood Window Workshop

Window Hardware, Balance Systems
House of Antique Hardware
The Nanz Company
Wood Window Workshop

Window Hardware, Custom
Al Bar-Wilmette Platers
E.R. Butler & Co.
Historical Arts & Casting, Inc.
Kayne & Son Custom Hardware
Old Smithy Shop
SA Baxter Architectural Hardware
The Nanz Company
Wood Window Workshop

Window Hardware, Sash Chain
Architectural Resource Center
Illingworth Millwork, LLC
Kayne & Son Custom Hardware
Phelps Company
The Nanz Company
Wood Window Workshop

Window Hardware, Sash Lifts
Architectural Resource Center
Ball & Ball Hardware
E.R. Butler & Co.
House of Antique Hardware
Phelps Company
Rejuvenation
The Nanz Company
Wood Window Workshop

Window Hardware, Sash Locks
Architectural Resource Center
Ball & Ball Hardware
E.R. Butler & Co.
European Hardware & Finishes/ Gerber Hinge Co.
House of Antique Hardware
Illingworth Millwork, LLC
Kayne & Son Custom Hardware
Phelps Company
Rejuvenation
The Nanz Company
Wood Window Workshop

Window Hardware, Sash Pulleys
Architectural Resource Center
E.R. Butler & Co.
House of Antique Hardware
Illingworth Millwork, LLC
Phelps Company
The Nanz Company
Wood Window Workshop

Window Hardware, Sash Weights
Architectural Resource Center
Phelps Company
The Nanz Company
Wood Window Workshop

Window Hardware, Standard Designs
Architectural Resource Center
Phelps Company
SA Baxter Architectural Hardware
The Nanz Company

Window Restoration Materials
Abatron, Inc.
Grabill Windows & Doors
Historic Structures
Parrett Windows & Doors
Wood Window Workshop

Window Restoration Services
See Metal Windows; Wood Windows

Window Treatments
See Section 1

Window Trim, Metal
Historical Arts & Casting, Inc.

Window Trim, Polymer
Architectural Products by Outwater, LLC
Goodwin Associates
Vintage Woodworks

Window Trim, Wood
Architectural Components, Inc.
Grabill Windows & Doors
Heartwood Carving
Illingworth Millwork, LLC
Vintage Woodworks
Wood Window Workshop

Wood Door Restoration
Abatron, Inc.
EverGreene Architectural Arts, Inc.
Grabill Windows & Doors
Illingworth Millwork, LLC
M & A Architectural Preservation, Inc.
Parrett Windows & Doors

Wood Doors, Custom
Architectural Components, Inc.
Deborah Mills Woodcarving
Grabill Windows & Doors
Illingworth Millwork, LLC
Kestrel Shutters
Marvin Windows and Doors
Parrett Windows & Doors
Reilly Windows & Doors
Wood Window Workshop

Wood Doors, Exterior
Architectural Components, Inc.
Grabill Windows & Doors
Illingworth Millwork, LLC
Kestrel Shutters
Marvin Windows and Doors
Pella Corp.
Reilly Windows & Doors

Wood Doors, Historical Replicas
Architectural Components, Inc.
Grabill Windows & Doors
Illingworth Millwork, LLC
Kestrel Shutters
Marvin Windows and Doors
Parrett Windows & Doors
Reilly Windows & Doors
Wood Window Workshop

Wood Doors, Interior
Architectural Components, Inc.
Brandt, Sylvan
Illingworth Millwork, LLC
Kestrel Shutters
Marvin Windows and Doors
Reilly Windows & Doors
Wood Window Workshop

Wood Doors, Standard Designs
Grabill Windows & Doors
Illingworth Millwork, LLC
Kestrel Shutters

Wood Doors, Stile & Rail
Architectural Components, Inc.
Grabill Windows & Doors
Illingworth Millwork, LLC
Kestrel Shutters
Ohline Corp.
Pella Corp.
Reilly Windows & Doors
Wood Window Workshop

Wood Window Restoration
EverGreene Architectural Arts, Inc.
Grabill Windows & Doors
Illingworth Millwork, LLC
M & A Architectural Preservation, Inc.
Parrett Windows & Doors
Reilly Windows & Doors

Wood Windows, Custom
Architectural Components, Inc.
Grabill Windows & Doors
Illingworth Millwork, LLC
Marvin Windows and Doors
Parrett Windows & Doors
Pella Corp.
Reilly Windows & Doors
Wood Window Workshop

Wood Windows, Historical Replicas
Architectural Components, Inc.
Grabill Windows & Doors
Illingworth Millwork, LLC
Marvin Windows and Doors
Parrett Windows & Doors
Reilly Windows & Doors
Wood Window Workshop

Wood Windows, Metal Clad
Grabill Windows & Doors
Marvin Windows and Doors
Parrett Windows & Doors
Pella Corp.

Wood Windows, Premium Grade
Grabill Windows & Doors
Pella Corp.
Reilly Windows & Doors
Wood Window Workshop

Wood Windows, Special Shapes
Architectural Components, Inc.
Grabill Windows & Doors
Heartwood Carving
Marvin Windows and Doors
Parrett Windows & Doors
Pella Corp.
Reilly Windows & Doors
Wood Window Workshop

Wood Windows, Standard Designs
Architectural Components, Inc.
Grabill Windows & Doors
Illingworth Millwork, LLC
Marvin Windows and Doors
Parrett Windows & Doors
Pella Corp.

SECTION 5
ELEVATORS, LIFTS & DUMBWAITERS

Elevator Cabs, Antique Original
Schiff Architectural Detail, LLC

Elevator Cabs, Historical Replicas
Allen Architectural Metals, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

SECTION 6
EXTERIOR ELEMENTS, ORNAMENT & FINISHES

Balustrades, Cast Metal
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Balustrades, Cast Stone
Aristone Designs, Inc.
Goodwin Associates
Haddonstone (USA), Ltd.
Kopelov Cut Stone

Balustrades, Fabricated Metal
Architectural Products by Outwater, LLC
Campbellsville Industries, Inc.
Fine Architectural Metalsmiths
Heather & Little Limited
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Balustrades, Fabricated Stone
Aristone Designs, Inc.
Gladding, McBean - Div. of Pacific Coast Bldg.

Balustrades, Fiberglass
Schiff Architectural Detail, LLC

Balustrades, Polymer
Architectural Products by Outwater, LLC
Goodwin Associates

Balustrades, Wood
Goodwin Associates
Illingworth Millwork, LLC
Vintage Woodworks

Brackets, Composite
Architectural Products by Outwater, LLC
Fischer & Jirouch Co.

Brackets, Fiberglass
Goodwin Associates
Schiff Architectural Detail, LLC

Brackets, Polymer
Architectural Products by Outwater, LLC
Goodwin Associates
Schiff Architectural Detail, LLC
Vintage Woodworks

Brackets, Wood
Architectural Products by Outwater, LLC
Goodwin Associates
Illingworth Millwork, LLC
Vintage Woodworks

Cast-Stone Exterior Elements
Aristone Designs, Inc.
Goodwin Associates
Haddonstone (USA), Ltd.

Cast-Stone Exterior Ornament
Aristone Designs, Inc.
Haddonstone (USA), Ltd.
Schiff Architectural Detail, LLC

Decking, Recycled Plastic
Architectural Products by Outwater, LLC

Decking, Rot-Resistant Composites
Architectural Products by Outwater, LLC

Decking, Rot-Resistant Wood
Architectural Products by Outwater, LLC
Bear Creek Lumber
General Woodcraft

Exterior Carved Ornament
Architectural Products by Outwater, LLC
Deborah Mills Woodcarving
Kopelov Cut Stone
Schiff Architectural Detail, LLC

Exterior Cornices, Cast Stone
Haddonstone (USA), Ltd.

Exterior Cornices, Fiberglass
Goodwin Associates

Exterior Cornices, Sheet Metal
Campbellsville Industries, Inc.
Heather & Little Limited
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC

Exterior Cornices, Terra Cotta
Boston Valley Terra Cotta

Exterior Cornices, Wood
Illingworth Millwork, LLC
Vintage Woodworks

Exterior Molded Ornament
Architectural Products by Outwater, LLC
Felber Ornamental Plastering Corp.
Goodwin Associates
Haddonstone (USA), Ltd.
Schiff Architectural Detail, LLC

Exterior Molded Ornament, Custom Casting
Felber Ornamental Plastering Corp.
Fine Architectural Metalsmiths
Goodwin Associates
Haddonstone (USA), Ltd.
Schiff Architectural Detail, LLC

Exterior Molded Ornament, Custom Models & Moldmaking
Ball Consulting, Ltd.
Boston Valley Terra Cotta
Felber Ornamental Plastering Corp.
Haddonstone (USA), Ltd.
Schiff Architectural Detail, LLC

Exterior Polymer Millwork
Architectural Products by Outwater, LLC
Goodwin Associates
Vintage Woodworks

Fiberglass Architectural Elements
Goodwin Associates

Fiberglass, Custom
Goodwin Associates

Gilding Services, Exterior
Canning Studios
Conrad Schmitt Studios, Inc.
Schiff Architectural Detail, LLC

Gilding Supplies
See also Gilding Supplies in Section 8
Leo Uhlfelder Co.
San Marco USA

Paint Analysis Services
Canning Studios
Conrad Schmitt Studios, Inc.
Schiff Architectural Detail, LLC

Paint Color Consulting
Canning Studios
Color People, The
Conrad Schmitt Studios, Inc.
Lynne Rutter Murals & Decorative Painting
San Marco USA

Paint Strippers, Exterior
See also Masonry Paint Strippers in Section 17
Abatron, Inc.

Paints, Exterior
Abatron, Inc.
San Marco USA

Porch Parts, Polymer
Architectural Products by Outwater, LLC
Goodwin Associates

Porch Parts, Wood
Bear Creek Lumber
Goodwin Associates
Illingworth Millwork, LLC

Siding, Clapboard
Bear Creek Lumber
Carlson's Barnwood Co.
Chestnut Specialists, Inc.

Siding, Quartersawn
Bear Creek Lumber

Siding, Shingles
Bear Creek Lumber
Vintage Woodworks

SECTION 7
FLOORING

Floor Coatings & Finishes
Abatron, Inc.

Non-Wood Flooring, Flagstone
Krukowski Stone Co., Inc.

Non-Wood Flooring, Mosaic
American Restoration Tile, Inc.
Designs in Tile

Non-Wood Flooring, Terrazzo
Schiff Architectural Detail, LLC

Non-Wood Flooring, Tile
American Restoration Tile, Inc.
Carreaux du Nord
Designs in Tile
No 9 Studio UK

Wood Flooring, Antique
Antique Lumber Corp.
Bear Creek Lumber
Brandt, Sylvan
Carlson's Barnwood Co.
Chestnut Specialists, Inc.
Craftsman Lumber Co.
Goodwin Heart Pine Co.
Northeast Millwork Corp.

Wood Flooring, Hardwood Strip
Bear Creek Lumber
Goodwin Heart Pine Co.
Northeast Millwork Corp.

Wood Flooring, Random Width
Antique Lumber Corp.
Bear Creek Lumber
Brandt, Sylvan
Carlson's Barnwood Co.
Chestnut Specialists, Inc.
Craftsman Lumber Co.
Goodwin Heart Pine Co.
Northeast Millwork Corp.

Wood Flooring, Wide Board
Antique Lumber Corp.
Bear Creek Lumber
Brandt, Sylvan
Carlson's Barnwood Co.
Chestnut Specialists, Inc.
Craftsman Lumber Co.
Northeast Millwork Corp.

SECTION 8
INTERIOR ELEMENTS, ORNAMENT & FINISHES

Brackets, Plaster
Architectural Products by Outwater, LLC
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Goodwin Associates
Palladio Mouldings

Brackets, Polymer
Architectural Products by Outwater, LLC
Goodwin Associates

Brackets, Polymer-Modified Gypsum
Felber Ornamental Plastering Corp.

Brackets, Wood
Architectural Products by Outwater, LLC
Heartwood Carving
House of Antique Hardware
Illingworth Millwork, LLC
Vintage Woodworks
Wilbur, Frederick - Woodcarver

Cast-Stone Interior Elements
Schiff Architectural Detail, LLC

Cast-Stone Interior Ornament
Schiff Architectural Detail, LLC

Casting, Custom
See Interior Molded Ornament, Custom Casting

Ceiling Domes
Architectural Products by Outwater, LLC
Canning Studios
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Goodwin Associates

Ceiling Medallions
Architectural Products by Outwater, LLC
Felber Ornamental Plastering Corp.
Fischer & Jirouch Co.
Goodwin Associates

Ceilings, Ornamental, Gypsum
Felber Ornamental Plastering Corp.
Palladio Mouldings

Ceilings, Ornamental, Metal
Architectural Products by Outwater, LLC
Brian Greer's Tin Ceilings, Walls & Unique Metal Work
Chelsea Decorative Metal Co.
Goodwin Associates
NIKO Contracting Co., Inc.
W.F. Norman Corp.

Ceilings, Ornamental, Plaster
Architectural Products by Outwater, LLC
Canning Studios
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Goodwin Associates
Historic Structures
Palladio Mouldings

Ceilings, Ornamental, Polymer
Architectural Products by Outwater, LLC
Goodwin Associates

Ceilings, Ornamental, Polymer-Modified Gypsum
Felber Ornamental Plastering Corp.
Historic Structures

Ceilings, Ornamental, Wood
EverGreene Architectural Arts, Inc.
Goodwin Associates
Heartwood Carving
Wilbur, Frederick - Woodcarver

Ceramic Tile, Antique
American Restoration Tile, Inc.
Dutch Delft Tiles by Oudolf Jr.

Ceramic Tile, Custom Duplication
American Restoration Tile, Inc.

Ceramic Tile, Embossed
Carreaux du Nord

Ceramic Tile, Encaustic
American Restoration Tile, Inc.
Designs in Tile
No 9 Studio UK

Ceramic Tile, Exterior Paving
See Pavers, Ceramic, in Section 9

Ceramic Tile, Fireplace
American Restoration Tile, Inc.
Carreaux du Nord
Designs in Tile
No 9 Studio UK

Ceramic Tile, Flooring
See Non-Wood Flooring, Tile, in Section 7

Ceramic Tile, Geometrics & Mosaic
See also Mosaics in Section 1
American Restoration Tile, Inc.
Designs in Tile
No 9 Studio UK
Tile Art/Subway Ceramics

Ceramic Tile, Hand Painted
Designs in Tile
Dutch Delft Tiles by Oudolf Jr.
No 9 Studio UK

Ceramic Tile, Historic Patterns
American Restoration Tile, Inc.
Boston Valley Terra Cotta
Designs in Tile
Dutch Delft Tiles by Oudolf Jr.
No 9 Studio UK
Tile Art/Subway Ceramics

Ceramic Tile, Pool & Fountain
American Restoration Tile, Inc.
Designs in Tile
No 9 Studio UK

Ceramic Tile, Silk Screened
Designs in Tile
No 9 Studio UK

Cornice Moldings, Composites
Architectural Products by Outwater, LLC

Cornice Moldings, Gypsum
Felber Ornamental Plastering Corp.
Palladio Mouldings

Cornice Moldings, Plaster
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Fischer & Jirouch Co.
Goodwin Associates
Historic Structures
Palladio Mouldings

Cornice Moldings, Polymer
Architectural Products by Outwater, LLC
Goodwin Associates
Vintage Woodworks

Cornice Moldings, Polymer-Modified Gypsum
Felber Ornamental Plastering Corp.
Historic Structures

Cornice Moldings, Wood
Architectural Products by Outwater, LLC
EverGreene Architectural Arts, Inc.
Goodwin Associates
Northeast Millwork Corp.
Vintage Woodworks
Wilbur, Frederick - Woodcarver

Decorative Painting, Faux Finishes
Canning Studios
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Historic Structures
Leo Uhlfelder Co.
Lynne Rutter Murals & Decorative Painting

Decorative Painting, Graining
Canning Studios
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Historic Structures
Leo Uhlfelder Co.
Lynne Rutter Murals & Decorative Painting

Decorative Painting, Marbleizing
Canning Studios
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Historic Structures
Leo Uhlfelder Co.
Lynne Rutter Murals & Decorative Painting

Decorative Painting, Murals
See Murals in Section 1

Decorative Painting, Stenciling
Canning Studios
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Historic Structures
Lynne Rutter Murals & Decorative Painting

Gilding Services, Interior
Canning Studios
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Lynne Rutter Murals & Decorative Painting
Schiff Architectural Detail, LLC

Gilding Supplies
See also Gilding Supplies in Section 6
Leo Uhlfelder Co.

Grilles, Metal
See Section 12

Grilles, Wood
See Section 20

Interior Molded Ornament
Architectural Products by Outwater, LLC
Ball Consulting, Ltd.
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Fischer & Jirouch Co.
Goodwin Associates
Palladio Mouldings
Vintage Woodworks

Interior Molded Ornament, Custom Casting
Aristone Designs, Inc.
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Palladio Mouldings
Schiff Architectural Detail, LLC

Interior Molded Ornament, Custom Models & Moldmaking
Aristone Designs, Inc.
Ball Consulting, Ltd.
Canning Studios
Felber Ornamental Plastering Corp.
Palladio Mouldings
Schiff Architectural Detail, LLC

Lincrusta
See Wallcoverings, Lincustra

Moldings, Plaster
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Fischer & Jirouch Co.
Goodwin Associates
Historic Structures
Palladio Mouldings

Moldings, Polymer
Architectural Products by Outwater, LLC
Goodwin Associates
Historic Structures
Vintage Woodworks

Moldings, Wood
See Section 20

Moldmaking Materials
See Interior Molded Ornament & Moldmaking

Mosaics
See Section 1

Paint Strippers, Interior
ArmaKleen Co.

Paint Strippers, Masonry
See Masonry Paint Strippers in Section 17

Painting Conservation
See Conservation Services, Art, in Section 14

Paints, Interior
EverGreene Architectural Arts, Inc.
San Marco USA

Plaster Ornament
See Interior Molded Ornament

Plaster
EverGreene Architectural Arts, Inc.
Felber Ornamental Plastering Corp.
Historic Structures

Plaster Patching Materials
EverGreene Architectural Arts, Inc.

Plaster Resurfacing Systems
EverGreene Architectural Arts, Inc.

Plaster, Casting
See Interior Molded Ornament, Custom Casting

Registers, Metal
See Section 12

Registers, Wood
See Section 20

Scagliola
EverGreene Architectural Arts, Inc.

Tile
See Ceramic Tile

Venetian Plaster
Canning Studios
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Historic Structures

Wallcoverings, Anaglypta
Architectural Products by Outwater, LLC

Wallcoverings, Historical Reproductions
Chelsea Decorative Metal Co.
EverGreene Architectural Arts, Inc.

Wallcoverings, Lincrusta
Architectural Products by Outwater, LLC

Wallpaper, Custom
Canning Studios
EverGreene Architectural Arts, Inc.

Wallpaper, Traditional Adaptations
EverGreene Architectural Arts, Inc.

Window Treatments
See Section 1

SECTION 9
LANDSCAPE & GARDEN SPECIALTIES

Arbors
1.800.COLUMNS
Architectural Products by Outwater, LLC
Bear Creek Lumber
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Benches
Doty & Sons Concrete Products
Haddonstone (USA), Ltd.
Herwig Lighting
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Bridges, Ornamental
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC

Cascades
See Waterfalls & Cascades

Cast-Stone Ornament
See Cast-Stone Exterior Ornament in Section 6

Curbing & Edging
Krukowski Stone Co., Inc.

Fencing, Metal
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
Bill's Custom Metal Fabrications
Campbellsville Industries, Inc.
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft

Fencing, Wood
Bamboo & Rattan Works, Inc.
Bear Creek Lumber

Flagpoles
Hennessy House Wooden Flag Poles
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC

Flags & Banners
Hennessy House Wooden Flag Poles
Schiff Architectural Detail, LLC

Fountains, Drinking
Designs in Tile
Schiff Architectural Detail, LLC

Fountains, Floating
Schiff Architectural Detail, LLC

Fountains, Freestanding
Concrete Creations
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
No 9 Studio UK
Robinson Iron Corp.
Schiff Architectural Detail, LLC

Fountains, Pool
Concrete Creations
Haddonstone (USA), Ltd.
Schiff Architectural Detail, LLC

Fountains, Sculptural
Concrete Creations
Designs in Tile
No 9 Studio UK
Schiff Architectural Detail, LLC
Slate Affair, Inc.
Walter S. Arnold, LLC

Fountains, Tiered
Concrete Creations
Designs in Tile
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
No 9 Studio UK
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Walter S. Arnold, LLC

Fountains, Wall
Designs in Tile
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
No 9 Studio UK
Schiff Architectural Detail, LLC

Garden Furnishings
Concrete Creations
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Slate Affair, Inc.

Garden Ornament
Bamboo & Rattan Works, Inc.
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
No 9 Studio UK
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Slate Affair, Inc.
Walter S. Arnold, LLC
Wiemann Metalcraft

Gate Hardware
Architectural Products by Outwater, LLC
Ball & Ball Hardware
Historical Arts & Casting, Inc.
James Peters & Son, Inc.
Kayne & Son Custom Hardware
Old Smithy Shop
Richards-Wilcox, Inc.
Schiff Architectural Detail, LLC

Gates, Antique Original
Schiff Architectural Detail, LLC

Gates, Metal
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft

Gates, Wood
Kestrel Shutters

Gazebos
See Section 3

Greenhouses
See Section 3

Landscape Stone
Haddonstone (USA), Ltd.
Kopelov Cut Stone
Krukowski Stone Co., Inc.

Lattice & Treillage
Historical Arts & Casting, Inc.

Lighting, Landscape & Garden
See Exterior Lighting, Garden, and Exterior Lighting, Landscape, in Section 10

Mailboxes, Post Mounted
Architectural Products by Outwater, LLC
Concrete Creations
Historical Arts & Casting, Inc.
Old Smithy Shop
Wiemann Metalcraft

Mailboxes, Wall Mounted
Historical Arts & Casting, Inc.
House of Antique Hardware
Rejuvenation
Wiemann Metalcraft

Pavers, Brick
Belden Brick Co., The
Gavin Historical Bricks Inc.

Pavers, Ceramic
Gladding, McBean, Div. of Pacific Coast Bldg.

Pavers, Concrete
Aristone Designs, Inc.

Pavers, Stone
Krukowski Stone Co., Inc.

Pergolas
1.800.COLUMNS
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
Bear Creek Lumber
Goodwin Associates
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
Wiemann Metalcraft

Planters & Urns
Concrete Creations
Doty & Sons Concrete Products
Haddonstone (USA), Ltd.
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Plaques
See Signage

Sculpture
See Section 1

Signage
Balquist Carving Studio
Designs in Tile
Historical Arts & Casting, Inc.
Lake Shore Industries, Inc.

Sundials
Historical Arts & Casting, Inc.

Topiary Frames
Schiff Architectural Detail, LLC

Trash/Ash Receptacles
See Waste Containers

Tree Grates & Guards
Schiff Architectural Detail, LLC

Treillage
See Lattice & Treillage

Urns
See Planters & Urns

Waste Containers
Concrete Creations
Doty & Sons Concrete Products
Schiff Architectural Detail, LLC

Waterfalls & Cascades
Krukowski Stone Co., Inc.
Schiff Architectural Detail, LLC

SECTION 10
LIGHTING & ELECTRICAL

Candles, Electric
Lantern Masters, Inc.

Exterior Lighting Restoration
Ball & Ball Lighting
Bevolo Gas & Electric Lights
Cole & Co., C.W.
Crenshaw Lighting
Fine Architectural Metalsmiths
Herwig Lighting
Historical Arts & Casting, Inc.
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rejuvenation
Schiff Architectural Detail, LLC
St. Louis Antique Lighting Co.
Steven Handelman Studios

Exterior Lighting, Antique Original
Ball & Ball Lighting
Federalist, The
Herwig Lighting
House of Antique Hardware
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rejuvenation
Schiff Architectural Detail, LLC
Triple-S Chemical Products, Inc.

Exterior Lighting, Architectural Accent & Special Effect
Federalist, The
Historical Arts & Casting, Inc.
Jonathan Browning Studios
Lantern Masters, Inc.
Newstamp Lighting Co.
Rejuvenation
Schiff Architectural Detail, LLC
Scofield Historic Lighting
Triple-S Chemical Products, Inc.

Exterior Lighting, Building Mounted
Authentic Designs
Ball & Ball Lighting
Bevolo Gas & Electric Lights
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Deep Landing Workshop
Federalist, The
Herwig Lighting
Historical Arts & Casting, Inc.
Jonathan Browning Studios
Lantern Masters, Inc.
Mills Architectural Lighting
Newstamp Lighting Co.
Rejuvenation
Schiff Architectural Detail, LLC
Scofield Historic Lighting
Steven Handelman Studios

Exterior Lighting, Custom
Authentic Designs
Ball & Ball Lighting
Cole & Co., C.W.
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
Historical Arts & Casting, Inc.
Jonathan Browning Studios
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Schiff Architectural Detail, LLC

Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios
Wiemann Metalcraft

Exterior Lighting, Garden
Deep Landing Workshop
Federalist, The
Herwig Lighting
Historical Arts & Casting, Inc.
Lantern Masters, Inc.
Newstamp Lighting Co.
Scofield Historic Lighting

Exterior Lighting, Historical Reproductions
Allen Architectural Metals, Inc.
Authentic Designs
Ball & Ball Lighting
Coppersmythe, Josiah R.
Crenshaw Lighting
Deep Landing Workshop
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
Historical Arts & Casting, Inc.
House of Antique Hardware
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rejuvenation
Schiff Architectural Detail, LLC
Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios

Exterior Lighting, Landscape
Bevolo Gas & Electric Lights
Cole & Co., C.W.
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
Historical Arts & Casting, Inc.
Newstamp Lighting Co.
Schiff Architectural Detail, LLC
Scofield Historic Lighting
Steven Handelman Studios

Exterior Lighting, Lanterns
Authentic Designs
Ball & Ball Lighting
Bevolo Gas & Electric Lights
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Distinguished Home Lighting, Ltd.
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
Historical Arts & Casting, Inc.
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Schiff Architectural Detail, LLC
Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios

Exterior Lighting, Porch
Authentic Designs
Ball & Ball Lighting
Bevolo Gas & Electric Lights
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Deep Landing Workshop
Distinguished Home Lighting, Ltd.
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
Historical Arts & Casting, Inc.
House of Antique Hardware
Jonathan Browning Studios
Lantern Masters, Inc.
Newstamp Lighting Co.
Rejuvenation
Scofield Historic Lighting
Steven Handelman Studios

Fiber-Optic Lighting Fixtures
Architectural Products by Outwater, LLC
Rambusch Lighting Co. - Design Studios

Fiber-Optic Lighting System Design
Architectural Products by Outwater, LLC
Rambusch Lighting Co. - Design Studios

Garden Lighting
See Exterior Lighting, Garden

Gas Lighting Restoration
Ball & Ball Lighting
Bevolo Gas & Electric Lights
Crenshaw Lighting
Newstamp Lighting Co.
Rejuvenation
Wiemann Metalcraft

Gas Lighting, Antique Original
Newstamp Lighting Co.
Schiff Architectural Detail, LLC

Gas Lighting, Custom
Ball & Ball Lighting
Crenshaw Lighting
Federalist, The
Lantern Masters, Inc.
Newstamp Lighting Co.
Steven Handelman Studios
Wiemann Metalcraft

Gas Lighting, Exterior
Ball & Ball Lighting
Bevolo Gas & Electric Lights
Distinguished Home Lighting, Ltd.
Federalist, The
Lantern Masters, Inc.
Newstamp Lighting Co.

Gas Lighting, Interior
Distinguished Home Lighting, Ltd.
Federalist, The
Newstamp Lighting Co.
Rejuvenation

Interior Lighting Restoration
Ball & Ball Lighting
Cole & Co., C.W.
Crenshaw Lighting
Fine Architectural Metalsmiths
Historical Arts & Casting, Inc.
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rambusch Lighting Co. - Design Studios
Schiff Architectural Detail, LLC
St. Louis Antique Lighting Co.

Interior Lighting, Antique Original
Federalist, The
Herwig Lighting
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rejuvenation
Triple-S Chemical Products, Inc.

Interior Lighting, Ceiling Flush-Mount
Architectural Products by Outwater, LLC
Authentic Designs
Ball & Ball Lighting
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Federalist, The
Herwig Lighting
House of Antique Hardware
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rambusch Lighting Co. - Design Studios
Rejuvenation
Scofield Historic Lighting
St. Louis Antique Lighting Co.

Interior Lighting, Chandeliers
Authentic Designs
Ball & Ball Lighting
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Distinguished Home Lighting, Ltd.
Federalist, The
Fine Architectural Metalsmiths
House of Antique Hardware
Jonathan Browning Studios
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rambusch Lighting Co. - Design Studios
Rejuvenation
Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios

Interior Lighting, Custom
Ball & Ball Lighting
Cole & Co., C.W.
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
Historical Arts & Casting, Inc.
Jonathan Browning Studios
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rambusch Lighting Co. - Design Studios
Rejuvenation
Schiff Architectural Detail, LLC
Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios
Wiemann Metalcraft

Interior Lighting, Floor Lamps
Authentic Designs
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Federalist, The
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rejuvenation
Steven Handelman Studios

Interior Lighting, Historical Reproductions
Architectural Products by Outwater, LLC
Authentic Designs
Ball & Ball Lighting
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Federalist, The
Fine Architectural Metalsmiths
House of Antique Hardware
Jonathan Browning Studios
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rambusch Lighting Co. - Design Studios
Rejuvenation
Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios

Interior Lighting, Lanterns
Authentic Designs
Ball & Ball Lighting
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Distinguished Home Lighting, Ltd.
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
Jonathan Browning Studios
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Mills Architectural Lighting
Newstamp Lighting Co.

Rambusch Lighting Co. - Design Studios
Schiff Architectural Detail, LLC
Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios

Interior Lighting, Pendants
Architectural Products by Outwater, LLC
Authentic Designs
Ball & Ball Lighting
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
House of Antique Hardware
Jonathan Browning Studios
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Mills Architectural Lighting
Newstamp Lighting Co.
Rambusch Lighting Co. - Design Studios
Rejuvenation
Schiff Architectural Detail, LLC
Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios

Interior Lighting, Sconces
Architectural Products by Outwater, LLC
Authentic Designs
Ball & Ball Lighting
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Deep Landing Workshop
Distinguished Home Lighting, Ltd.
Federalist, The
Fine Architectural Metalsmiths
Herwig Lighting
Historical Arts & Casting, Inc.
House of Antique Hardware
Jonathan Browning Studios
Lantern Masters, Inc.
Lighting Nelson & Garrett Inc.
Mills Architectural Lighting
Newstamp Lighting Co.
Rambusch Lighting Co. - Design Studios
Rejuvenation
Schiff Architectural Detail, LLC
Scofield Historic Lighting
St. Louis Antique Lighting Co.
Steven Handelman Studios

Interior Lighting, Table Lamps
Authentic Designs
Coppersmythe, Josiah R.
Craftsmen Hardware Co.
Crenshaw Lighting
Federalist, The
Historical Arts & Casting, Inc.
Lighting Nelson & Garrett Inc.
Newstamp Lighting Co.
Rejuvenation
St. Louis Antique Lighting Co.
Steven Handelman Studios

Lampposts & Standards
Bevolo Gas & Electric Lights
Coppersmythe, Josiah R.
Federalist, The
Herwig Lighting
Historical Arts & Casting, Inc.
Lake Shore Industries, Inc.
Newstamp Lighting Co.
Schiff Architectural Detail, LLC

Landscape Lighting
See Exterior Lighting, Landscape

Light Bulbs, Antique Reproductions
House of Antique Hardware
Rejuvenation

Light Lifts
Architectural Products by Outwater, LLC

Lighting Fixture Glass, Antique Original
Otteson Co.
Rejuvenation

Lighting Fixture Glass, Custom
Craftsmen Hardware Co.
Herwig Lighting
Otteson Co.
Steven Handelman Studios

Lighting Fixture Glass, Historical Replicas
Architectural Products by Outwater, LLC
Ball & Ball Lighting
Craftsmen Hardware Co.
Federalist, The
House of Antique Hardware
Otteson Co.
Rejuvenation
St. Louis Antique Lighting Co.

Lighting Fixture Parts
Architectural Products by Outwater, LLC
Herwig Lighting
Newstamp Lighting Co.

Lighting Fixtures, Exterior
See Exterior Lighting

Lighting Fixtures, Interior
See Interior Lighting

Lighting System Design
Historical Arts & Casting, Inc.
St. Louis Antique Lighting Co.
Sternberg Lighting

Switch Plates
Architectural Products by Outwater, LLC
Craftsmen Hardware Co.
House of Antique Hardware
Rejuvenation

Switches, Push-Button
House of Antique Hardware
Rejuvenation

SECTION 11
MANTELS, FIREPLACES & CHIMNEYS

Chimney Pots
Classic Grills
No 9 Studio UK

Fire Grates
Kayne & Son Custom Hardware

Fireplace Dampers
Classic Grills

Fireplace Screens & Tools
Ball & Ball Hardware
Bill's Custom Metal Fabrications
Historical Arts & Casting, Inc.
Kayne & Son Custom Hardware
Old Smithy Shop
Schiff Architectural Detail, LLC
Steven Handelman Studios
Wiemann Metalcraft

Fireplace Surrounds
See Mantels

Fireplaces, Rumford
Classic Grills

Fireplaces, Stone
Classic Grills
Kopelov Cut Stone
Krukowski Stone Co., Inc.

Gas Logs
Good Time Stove Co.

Mantels, Antique Original
Federalist, The

Mantels, Carved Stone
Federalist, The
Kopelov Cut Stone
Walter S. Arnold, LLC

Mantels, Carved Wood
Architectural Products by Outwater, LLC
Deborah Mills Woodcarving
Federalist, The
Goodwin Associates
Wilbur, Frederick - Woodcarver

Mantels, Cast Stone
Aristone Designs, Inc.
Goodwin Associates
Haddonstone (USA), Ltd.

Mantels, Custom
Architectural Products by Outwater, LLC
Aristone Designs, Inc.
Deborah Mills Woodcarving
Federalist, The
Felber Ornamental Plastering Corp.
Schiff Architectural Detail, LLC
Walter S. Arnold, LLC

Mantels, Metal
Bill's Custom Metal Fabrications
Historical Arts & Casting, Inc.

Mantels, Plaster
Architectural Products by Outwater, LLC
Federalist, The
Felber Ornamental Plastering Corp.
Fischer & Jirouch Co.
Goodwin Associates
Historic Structures

Mantels, Stone
Architectural Products by Outwater, LLC
Federalist, The
Kopelov Cut Stone
Krukowski Stone Co., Inc.
Walter S. Arnold, LLC

Mantels, Wood
Architectural Products by Outwater, LLC
Carlson's Barnwood Co.
Federalist, The
Goodwin Associates
Vintage Woodworks

Stoves, Antique Original
Good Time Stove Co.
Schiff Architectural Detail, LLC

SECTION 12
METALWORK

Cast Metalwork, Custom Casting
Allen Architectural Metals, Inc.
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Historical Arts & Casting, Inc.
Kayne & Son Custom Hardware
Lake Shore Industries, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
W.F. Norman Corp.
Wiemann Metalcraft

Cast Metalwork, Standard Designs
Abatron, Inc.
Architectural Products by Outwater, LLC
Craftsmen Hardware Co.
Frank Morrow Co.
Kayne & Son Custom Hardware
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Epoxies for Metal Repair
See Metal Repair Materials

Fabricated Metalwork, Custom
Allen Architectural Metals, Inc.
Campbellsville Industries, Inc.
Craftsmen Hardware Co.
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Heather & Little Limited
Historical Arts & Casting, Inc.
Kayne & Son Custom Hardware
NIKO Contracting Co., Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft

Fabricated Metalwork, Standard Designs
Architectural Products by Outwater, LLC
Campbellsville Industries, Inc.
Craftsmen Hardware Co.
Frank Morrow Co.
Heather & Little Limited
Kayne & Son Custom Hardware
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Fasteners, Metal
Architectural Products by Outwater, LLC

Fencing
See Section 9

Forged Metalwork, Custom
Bill's Custom Metal Fabrications
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Kayne & Son Custom Hardware
Old Smithy Shop
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Steven Handelman Studios
Wiemann Metalcraft

Forged Metalwork, Standard Designs
Architectural Products by Outwater, LLC
Kayne & Son Custom Hardware
Old Smithy Shop
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft

Gates
See Section 9

Grilles, Cast Metal
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
Classic Grills
DeAngelis Iron Work, Inc.
Heat Registers.com
Historical Arts & Casting, Inc.
Reggio Register Co., The
Rejuvenation
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Grilles, Forged Metal
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Heat Registers.com
Kayne & Son Custom Hardware
Rejuvenation
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Steven Handelman Studios
Wiemann Metalcraft

Grilles, Metal Plate
Architectural Grille
Craftsmen Hardware Co.
DeAngelis Iron Work, Inc.
Heat Registers.com
Kees Architectural Division
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Grilles, Sheet Metal
Architectural Grille
Craftsmen Hardware Co.
Heat Registers.com
Kees Architectural Division
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Metal Coatings
Historical Arts & Casting, Inc.
San Marco USA
Schiff Architectural Detail, LLC
Triple-S Chemical Products, Inc.

Metal Components, Cast & Forged
Architectural Products by Outwater, LLC
Frank Morrow Co.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Metal Plating Services
Schiff Architectural Detail, LLC

Metal Repair & Restoration Services
Allen Architectural Metals, Inc.
Ball & Ball Hardware
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Heather & Little Limited
Historical Arts & Casting, Inc.
Modern Art Foundry
Robinson Iron Corp.
Slate Affair, Inc.

Metal Repair Materials
Abatron, Inc.
Schiff Architectural Detail, LLC

Patinas
See Metal Coatings

Plaques
See Signage in Section 9

Radiator Covers
See Section 13

Railings, Cast Metal
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
Bill's Custom Metal Fabrications
Campbellsville Industries, Inc.
DeAngelis Iron Work, Inc.
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC

Railings, Custom
Allen Architectural Metals, Inc.
Bill's Custom Metal Fabrications
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Heritage Cast Iron USA
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.

Railings, Forged Metal
Architectural Products by Outwater, LLC
Bill's Custom Metal Fabrications
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.

Railings, Standard Elements
Architectural Products by Outwater, LLC
Bill's Custom Metal Fabrications
Heritage Cast Iron USA
Wiemann Metalcraft

Registers, Cast Metal
Architectural Products by Outwater, LLC
Classic Grills
Hamilton Sinkler
Heat Registers.com
Historical Arts & Casting, Inc.
Reggio Register Co., The
Rejuvenation
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Registers, Metal Plate
Architectural Grille
Heat Registers.com
Kees Architectural Division
Rejuvenation
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Registers, Sheet Metal
Architectural Grille
Heat Registers.com
Kees Architectural Division

Sheet-Metal Ornament, Custom
Architectural Grille
Campbellsville Industries, Inc.
Heather & Little Limited
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Slate Affair, Inc.

Sheet-Metal Ornament, Standard Designs
Campbellsville Industries, Inc.
Frank Morrow Co.
Heather & Little Limited
Slate Affair, Inc.

Sheet Metal, Architectural
Campbellsville Industries, Inc.
EJMcopper, Inc.
Heather & Little Limited
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC
Slate Affair, Inc.

Stair Balustrades, Cast Metal
Allen Architectural Metals, Inc.
Architectural Products by Outwater, LLC
DeAngelis Iron Work, Inc.
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Wiemann Metalcraft

Stair Balustrades, Custom
DeAngelis Iron Work, Inc.
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft
Zepsa Industries, Inc.

Stair Balustrades, Forged Metal
Architectural Products by Outwater, LLC
Bill's Custom Metal Fabrications
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft

Stair Balustrades, Standard Elements
Architectural Products by Outwater, LLC
Wiemann Metalcraft

Stair Handrails, Cast Metal
Architectural Products by Outwater, LLC
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Stair Handrails, Custom
Allen Architectural Metals, Inc.
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Historical Arts & Casting, Inc.
MAC Metals
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft
Zepsa Industries, Inc.

Stair Handrails, Forged Metal
Architectural Products by Outwater, LLC
Bill's Custom Metal Fabrications
DeAngelis Iron Work, Inc.
Fine Architectural Metalsmiths
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft

Stair Handrails, Standard Elements
Architectural Products by Outwater, LLC
MAC Metals
Wiemann Metalcraft

Stairs, Curved
DeAngelis Iron Work, Inc.
Historical Arts & Casting, Inc.
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft
Zepsa Industries, Inc.

Stairs, Custom
Allen Architectural Metals, Inc.
DeAngelis Iron Work, Inc.
Goddard Mfg. Co.
Historical Arts & Casting, Inc.
Robinson Iron Corp.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft
Zepsa Industries, Inc.

Stairs, Monumental
Schwartz's Forge & Metalworks, Inc.
Wiemann Metalcraft
Zepsa Industries, Inc.

Stairs, Spiral
DeAngelis Iron Work, Inc.
Goddard Mfg. Co.
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Zepsa Industries, Inc.

Stairs, Straight
DeAngelis Iron Work, Inc.
Historical Arts & Casting, Inc.
Schiff Architectural Detail, LLC
Schwartz's Forge & Metalworks, Inc.
Zepsa Industries, Inc.

SECTION 13
PLUMBING, BATH & HEATING

Bathroom Accessories
Architectural Products by Outwater, LLC
Craftsmen Hardware Co.
Designs in Tile
Hamilton Sinkler
House of Antique Hardware
Old Smithy Shop
Rejuvenation
The Nanz Company

Bathroom Sinks, Antique Original
Bathroom Machineries, DEA

Bathroom Sinks, Fittings & Parts
Bathroom Machineries, DEA

Bathroom Sinks, Historical Replicas
Bathroom Machineries, DEA

Bathroom Sinks, Traditional Adaptations
Bathroom Machineries, DEA

Bathtub Refinishing
See Porcelain Refinishing

Bathtubs, Antique Original
Bathroom Machineries, DEA
Schiff Architectural Detail, LLC

Bathtubs, Fittings & Parts
Bathroom Machineries, DEA

Bathtubs, Historical Replicas
Bathroom Machineries, DEA

Bathtubs, Traditional Adaptations
Bathroom Machineries, DEA

Faucets & Fittings, Antique Original
Bathroom Machineries, DEA
Schiff Architectural Detail, LLC

Faucets & Fittings, Historical Replicas
Bathroom Machineries, DEA

Faucets & Fittings, Traditional Adaptations
Bathroom Machineries, DEA

HVAC Systems, Mini Duct
Unico System, Inc.

Kitchen Cabinets, Custom
General Woodcraft

Kitchen Cabinets, Standard Designs
Architectural Products by Outwater, LLC
General Woodcraft

Kitchen Equipment
Good Time Stove Co.

Kitchen Sinks, Antique Original
Bathroom Machineries, DEA

Kitchen Sinks, Fittings & Parts
Bathroom Machineries, DEA

Plumbing Parts, Antique Original
Bathroom Machineries, DEA

Plumbing Parts, Historical Replicas
Bathroom Machineries, DEA

Plumbing Parts, Traditional Adaptations
Bathroom Machineries, DEA

Porcelain Refinishing
Bathroom Machineries, DEA

Radiator Covers
Architectural Grille

Registers, Metal
See Section 12

Registers, Wood
See Section 20

Shower Parts, Antique Original
Bathroom Machineries, DEA

Shower Parts, Historical Replicas
Bathroom Machineries, DEA

Shower Parts, Traditional Adaptations
Bathroom Machineries, DEA

Showerheads
Bathroom Machineries, DEA

Sinks, Bathroom
See Bathroom Sinks

Sinks, Kitchen
See Kitchen Sinks

Toilets, Antique Original
Bathroom Machineries, DEA

Toilets, Historical Replicas
Bathroom Machineries, DEA

Toilets, Traditional Adaptations
Bathroom Machineries, DEA

Wine Cellars
Zepsa Industries, Inc.

Wine Cellars, Accessories
Architectural Products by Outwater, LLC
Kestrel Shutters
Krukowski Stone Co., Inc.
Schiff Architectural Detail, LLC
Wiemann Metalcraft
Zepsa Industries, Inc.

Wine Cellars, Racks
Architectural Products by Outwater, LLC
Wiemann Metalcraft
Zepsa Industries, Inc.

SECTION 14
PROFESSIONAL SERVICES

Books & Publications
Historical Arts & Casting, Inc.
Steven Schuyler Bookseller

Conservation Services, Architectural
Building Conservation Associates
Canning Studios
Conrad Schmitt Studios, Inc.
Color People, The
EverGreene Architectural Arts, Inc.
Historic Structures
San Marco USA
Schiff Architectural Detail, LLC
Wiemann Metalcraft

Conservation Services, Art
Building Conservation Associates
Canning Studios
Conrad Schmitt Studios, Inc.
Designs in Tile
EverGreene Architectural Arts, Inc.
Historic Structures
Modern Art Foundry
Schiff Architectural Detail, LLC

Conservation Services, Mosaics
Building Conservation Associates
Canning Studios
Conrad Schmitt Studios, Inc.
Designs in Tile
EverGreene Architectural Arts, Inc.

Conservation Services, Sculpture
Building Conservation Associates
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Modern Art Foundry

Education, Training & Workshops
Abatron, Inc.
Lynne Rutter Murals & Decorative Painting
No 9 Studio UK

Historical Preservation Consulting
Building Conservation Associates
Color People, The
Conrad Schmitt Studios, Inc.
EverGreene Architectural Arts, Inc.
Gladding, McBean - Div. of Pacific Coast Bldg.
Historic Structures
Historical Arts & Casting, Inc.
Old Smithy Shop
San Marco USA
Slate Affair, Inc.

SECTION 15
ROOFING & ROOF SPECIALTIES

Asphalt Shingles, Wood Simulation
See Wood Shingles, Simulation

Caulking & Joint Sealants
SnoBlox-Snojax

Cresting
Allen Architectural Metals, Inc.
DeAngelis Iron Work, Inc.
Heather & Little Limited
Historical Arts & Casting, Inc.
Ludowici Roof Tile, Inc.
No 9 Studio UK
Robinson Iron Corp.
Solar Innovations, Inc.
Wiemann Metalcraft

Cupolas, Custom
Cape Cod Cupola Co.
EJMcopper, Inc.
Heather & Little Limited
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.
Slate Affair, Inc.
Solar Innovations, Inc.
Tanglewood Conservatories

Cupolas, Fabricated Metal
Campbellsville Industries, Inc.
Heather & Little Limited
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.
Tanglewood Conservatories

Cupolas, Sheet Metal
Carlson's Barnwood Co.
EJMcopper, Inc.
Heather & Little Limited
NIKO Contracting Co., Inc.
Slate Affair, Inc.
Tanglewood Conservatories

Cupolas, Standard Designs
Campbellsville Industries, Inc.
Cape Cod Cupola Co.
Solar Innovations, Inc.
Tanglewood Conservatories

Cupolas, Wood
Cape Cod Cupola Co.
Tanglewood Conservatories

Domes, Metal
Allen Architectural Metals, Inc.
Campbellsville Industries, Inc.
Heather & Little Limited
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.
Schiff Architectural Detail, LLC
Solar Innovations, Inc.
Wiemann Metalcraft

Finials
Campbellsville Industries, Inc.
Cape Cod Cupola Co.
EJMcopper, Inc.
Gladding, McBean - Div. of Pacific Coast Bldg.
Heather & Little Limited
Historical Arts & Casting, Inc.
Ludowici Roof Tile, Inc.
NIKO Contracting Co., Inc.
No 9 Studio UK
Schiff Architectural Detail, LLC
Slate Affair, Inc.
W.F. Norman Corp.

Flashing
NIKO Contracting Co., Inc.

Gutter Chains
Classic Gutter Systems, LLC

Gutter Hangers
Classic Gutter Systems, LLC

Gutters, Historical Replicas
Classic Gutter Systems, LLC
EJMcopper, Inc.
Heather & Little Limited
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.

Gutters, Metal
Classic Gutter Systems, LLC
Heather & Little Limited
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.

Leaders & Leader Boxes
Classic Gutter Systems, LLC
EJMcopper, Inc.
Heather & Little Limited
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.

Lightning Protection
Classic Gutter Systems, LLC

Louvers
See Vents

Metal Roofing, Sheet Metal
See Sheet-Metal Roofing

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

Roof Repair Contracting
NIKO Contracting Co., Inc.

Sheet-Metal Roofing, Aluminum
Campbellsville Industries, Inc.
Heather & Little Limited
NIKO Contracting Co., Inc.

Sheet-Metal Roofing, Copper & Coated Copper
Heather & Little Limited
NIKO Contracting Co., Inc.
Slate Affair, Inc.
W.F. Norman Corp.

Sheet-Metal Roofing, Galvanized Steel
Heather & Little Limited
NIKO Contracting Co., Inc.

Sheet-Metal Roofing, Lead
Heather & Little Limited
W.F. Norman Corp.

Sheet-Metal Roofing, Stainless Steel
Heather & Little Limited
NIKO Contracting Co., Inc.

Sheet-Metal Roofing, Steel
Heather & Little Limited
NIKO Contracting Co., Inc.

Sheet-Metal Roofing, Terne Family
Heather & Little Limited
NIKO Contracting Co., Inc.

Sheet-Metal Roofing, Zinc
Heather & Little Limited
NIKO Contracting Co., Inc.
W.F. Norman Corp.

Skylights
Historical Arts & Casting, Inc.
Renaissance Conservatories
Solar Innovations, Inc.
Tanglewood Conservatories

Slate Replicas, Composites
Inspire Roofing Products
NIKO Contracting Co., Inc.
Tile Roofs, Inc.

Slate Replicas, Concrete
NIKO Contracting Co., Inc.
Tile Roofs, Inc.

Slate Replicas, Fiber Cement
Tile Roofs, Inc.

Slate Roofing, Color Matching
Tile Roofs, Inc.

Slate Roofing, New
NIKO Contracting Co., Inc.
Slate Affair, Inc.
Tile Roofs, Inc.

Slate Roofing, Salvaged
Slate Affair, Inc.
Tile Roofs, Inc.

Snowguards
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.
No 9 Studio UK
SnoBlox-Snojax
Tile Roofs, Inc.

Thatch, Natural
Bamboo & Rattan Works, Inc.

Tile Replicas
Tile Roofs, Inc.

Tile Roofing, Clay
Boston Valley Terra Cotta
Gladding, McBean, Div. of Pacific Coast Bldg.
Ludowici Roof Tile, Inc.
NIKO Contracting Co., Inc.
No 9 Studio UK
Tile Roofs, Inc.

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

Tile Roofing, Custom Colors & Shapes
Gladding, McBean, Div. of Pacific Coast Bldg.
Tile Roofs, Inc.

Tile Roofing, Salvaged
Tile Roofs, Inc.

Vents
Architectural Products by Outwater, LLC
EJMcopper, Inc.
Heather & Little Limited
NIKO Contracting Co., Inc.

Waterproofing Materials
Gladding, McBean, Div. of Pacific Coast Bldg.

Weathervanes, Custom
Cape Cod Cupola Co.
Historical Arts & Casting, Inc.
NIKO Contracting Co., Inc.
Wiemann Metalcraft

Weathervanes, Standard Designs
Cape Cod Cupola Co.

Wood Shakes, Hand Split
Bear Creek Lumber

Wood Shingles, Machine Sawn
Bear Creek Lumber
Vintage Woodworks

Wood Shingles, Simulation
Ludowici Roof Tile, Inc.

SECTION 16

SALVAGED MATERIALS & ANTIQUES

Architectural Antiques & Salvage
Brandt, Sylvan
Carlson's Barnwood Co.
Schiff Architectural Detail, LLC

Art Glass, Antique Original
See Section 1

Barn Siding, Antique
Brandt, Sylvan
Carlson's Barnwood Co.
Chestnut Specialists, Inc.

Barns, Antique & Salvaged
See Section 18

Brick, Salvaged
Brandt, Sylvan
Carlson's Barnwood Co.
Gavin Historical Bricks Inc.

Building Materials, Salvaged
Carlson's Barnwood Co.
Chestnut Specialists, Inc.

Columns & Capitals, Antique Original
See Section 2

Fencing, Antique Original
See Section 9

Glass, Antique Original
Brandt, Sylvan
Carlson's Barnwood Co.

Green-Building Products
Antique Lumber Corp.
ArmaKleen Co.
Bear Creek Lumber
Brandt, Sylvan
Chestnut Specialists, Inc.
Gladding, McBean, Div. of Pacific Coast Bldg.
Good Time Stove Co.
Goodwin Heart Pine Co.
Ludowici Roof Tile, Inc.
Marvin Windows and Doors
Northeast Millwork Corp.
Parrett Windows & Doors
Pella Corp.
Rejuvenation
Seekircher Steel Window Repair Corp.
Tile Roofs, Inc.
Unico System, Inc.

Hardware, Antique Original
See Section 4

Lighting Fixtures, Antique Original
See Section 10

Mantels, Antique Original
See Section 11

Plumbing Parts, Antique Original
See Section 13

Sinks, Antique Original
See Section 13

Stone, Salvaged
Carlson's Barnwood Co.

Timber Frames, Antique & Salvaged
See Section 18

Timbers, Antique & Salvaged
Antique Lumber Corp.
Bear Creek Lumber
Brandt, Sylvan
Carlson's Barnwood Co.
Chestnut Specialists, Inc.
Goodwin Heart Pine Co.
Schiff Architectural Detail, LLC

Wood Boards, Antique & Salvaged
Antique Lumber Corp.
Bear Creek Lumber
Carlson's Barnwood Co.
Chestnut Specialists, Inc.
Northeast Millwork Corp.

Wood Flooring, Antique
See Section 7

SECTION 17: STONE, BRICK & MASONRY

Balustrades
See Section 6

Brick, Custom
Belden Brick Co., The
Gavin Historical Bricks Inc.

Brick, Face
Belden Brick Co., The
Gavin Historical Bricks Inc.

Brick, Handmade
Belden Brick Co., The
Gavin Historical Bricks Inc.

Brick, Paving
See Pavers, Brick, in Section 9

Brick, Salvaged
See Section 16

Brick, Special Shapes
Belden Brick Co., The
Gavin Historical Bricks Inc.

Cast-Stone Architectural Elements
See Section 6 for Exterior and Section 8 for Interior

Cast Stone, Custom Casting
Aristone Designs, Inc.
Haddonstone (USA), Ltd.

Façade Restoration
See Masonry Restoration Contracting

Joint Protection
See Mortar Joint Protection

Masonry Cleaners
ArmaKleen Co.

Masonry Coloring Materials
Triple-S Chemical Products, Inc.

Masonry Conservation & Consulting Services -
See Conservation Services, Architectural, in Section 14

Masonry Paint Strippers
ArmaKleen Co.

Masonry Restoration Contracting
Canning Studios
Rugo Stone, LLC.

Masonry Waterproofers
Weathercap, Inc.

Mortar Joint Protection
Weathercap, Inc.

Pavers
See Section 9

Stone Setting
See Masonry Restoration Contracting

Stone, Building
Kopelov Cut Stone
Krukowski Stone Co., Inc.
Rugo Stone, LLC.
Stoneyard.com

Stone, Dimensional Cut
Krukowski Stone Co., Inc.
Rugo Stone, LLC.
Stoneyard.com

Stone, Fieldstone
Krukowski Stone Co., Inc.
Stoneyard.com

Stone, Hand Carved
Kopelov Cut Stone
Walter S. Arnold, LLC

Stone, Landscape
See Landscape Stone in Section 9

Stone, Veneer
Kopelov Cut Stone
Krukowski Stone Co., Inc.
Rugo Stone, LLC.
Stoneyard.com

Terra-Cotta Restoration Materials
Boston Valley Terra Cotta
Gladding, McBean - Div. of Pacific Coast Bldg.
Ludowici Roof Tile, Inc.
No 9 Studio UK

Terra-Cotta Substitutes
Terra Cotta, Clay Based
Boston Valley Terra Cotta
Gladding, McBean - Div. of Pacific Coast Bldg.
Ludowici Roof Tile, Inc.
No 9 Studio UK

Terra Cotta, Custom Duplication
Boston Valley Terra Cotta
Gladding, McBean - Div. of Pacific Coast Bldg.
No 9 Studio UK

Waterproofing
See Masonry Waterproofers

SECTION 18 TIMBER FRAMING & BARNS

Barns, Antique & Salvaged
Carlson's Barnwood Co.
Historic Structures
Hugh Lofting Timber Framing, Inc.

Barns, Design Services
Country Carpenters, Inc.
Hugh Lofting Timber Framing, Inc.

Barns, Kits
Country Carpenters, Inc.
Hugh Lofting Timber Framing, Inc.

Barns, New
Bear Creek Lumber
Country Carpenters, Inc.
Early New England Homes by Country Carpenters
Hugh Lofting Timber Framing, Inc.
Liberty Head Post & Beam

Barns, Plans
Hugh Lofting Timber Framing, Inc.

Insulating Panels
Hugh Lofting Timber Framing, Inc.

Timber-Frame Design Services
Hochstetler Milling, Ltd.
Hugh Lofting Timber Framing, Inc.
Liberty Head Post & Beam

Timber-Frame Restoration Contracting
Hochstetler Milling, Ltd.
Hugh Lofting Timber Framing, Inc.

Timber Frames, Antique & Salvaged
Carlson's Barnwood Co.
Goodwin Heart Pine Co.
Hugh Lofting Timber Framing, Inc.

Timber Frames, New
Bear Creek Lumber
Country Carpenters, Inc.
Hochstetler Milling, Ltd.
Hugh Lofting Timber Framing, Inc.
Liberty Head Post & Beam

Timber Trusses
Hochstetler Milling, Ltd.
Hugh Lofting Timber Framing, Inc.

SECTION 19 TOOLS & EQUIPMENT

Library Ladders
Architectural Products by Outwater, LLC

Tools, Decorating
Architectural Products by Outwater, LLC

Tools, Masonry
Trow & Holden

Tools, Paint Stripping
ArmaKleen Co.

Tools, Stone Carving
Trow & Holden

Water-Jet Cutting
Architectural Grille

SECTION 20 WOODWORK

Antique Wood
See Wood Flooring in Section 7 and Timbers and Wood Boards in Section 16

Architectural Millwork
See Millwork

Balusters
See Staircase Parts

Beams
See Timbers

Boards, Antique
See Wood Boards, Antique & Salvaged, in Section 16

Boards, Wide
See Wood Flooring, Wide Board, in Section 7

Brackets
See Section 6 for Exterior and Section 8 for Interior

Cabinets, Kitchen
See Kitchen Cabinets in Section 13

Carvings, Custom
Architectural Products by Outwater, LLC
Balquist Carving Studio
Deborah Mills Woodcarving
Goodwin Associates
Heartwood Carving
Illingworth Millwork, LLC
Schiff Architectural Detail, LLC
Wilbur, Frederick - Woodcarver

Carvings, Hand Carved
Architectural Products by Outwater, LLC
Balquist Carving Studio
Deborah Mills Woodcarving
Goodwin Associates
Illingworth Millwork, LLC
Wilbur, Frederick - Woodcarver

Carvings, Machine Carved
Architectural Products by Outwater, LLC
Heartwood Carving

Carvings, Standard Designs
Architectural Products by Outwater, LLC
Goodwin Associates
Heartwood Carving
Wilbur, Frederick - Woodcarver

Casework
Architectural Products by Outwater, LLC
General Woodcraft
Heartwood Carving

Corbels
See Brackets in Section 6 for Exterior and Brackets in Section 8 for Interior

Cornices, Exterior
See Exterior Cornices in Section 6

Cornices, Interior
See Cornice Moldings in Section 8

Gingerbread
See Millwork, Victorian

Grilles
Heat Registers.com
Reggio Register Co., The
Vintage Woodworks

Millwork, Custom
Architectural Components, Inc.
Architectural Products by Outwater, LLC
Bear Creek Lumber
General Woodcraft
Goodwin Heart Pine Co.
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Zepsa Industries, Inc.

Millwork, Exterior
Architectural Products by Outwater, LLC
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Vintage Woodworks

Millwork, Historical Replicas
Architectural Products by Outwater, LLC
General Woodcraft
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Zepsa Industries, Inc.

Millwork, Interior
Architectural Products by Outwater, LLC
Bear Creek Lumber
General Woodcraft
Goodwin Heart Pine Co.
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Vintage Woodworks
Zepsa Industries, Inc.

Millwork, Monumental Grade
Northeast Millwork Corp.
Zepsa Industries, Inc.

Millwork, Standard Designs
Architectural Products by Outwater, LLC
Goodwin Associates
Illingworth Millwork, LLC
Northeast Millwork Corp.
Zepsa Industries, Inc.

Millwork, Victorian
Architectural Products by Outwater, LLC
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Vintage Woodworks
Zepsa Industries, Inc.

Moldings, Compo
Architectural Products by Outwater, LLC
Fischer & Jirouch Co.
Illingworth Millwork, LLC

Moldings, Custom
Architectural Products by Outwater, LLC
Bear Creek Lumber
Goodwin Heart Pine Co.
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Wilbur, Frederick - Woodcarver

Moldings, Historical Replicas
Architectural Products by Outwater, LLC
Brian Greer's Tin Ceilings, Walls & Unique Metal Work
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Wilbur, Frederick - Woodcarver

Moldings, Polymer
See Section 8

Moldings, Standard Designs
Architectural Products by Outwater, LLC
Brian Greer's Tin Ceilings, Walls & Unique Metal Work
Northeast Millwork Corp.

Moldings, Wood
Architectural Products by Outwater, LLC
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Vintage Woodworks
Wilbur, Frederick - Woodcarver

Paneling, Custom
Bear Creek Lumber
Deborah Mills Woodcarving
Illingworth Millwork, LLC
Zepsa Industries, Inc.

Paneling, Standard Designs
Architectural Products by Outwater, LLC
Bear Creek Lumber
Illingworth Millwork, LLC
Vintage Woodworks
Zepsa Industries, Inc.

Registers
Architectural Products by Outwater, LLC
Heat Registers.com
Reggio Register Co., The

Staircase Parts, Balusters
Architectural Products by Outwater, LLC
Goddard Mfg. Co.
Goodwin Heart Pine Co.
Illingworth Millwork, LLC
Superior Moulding, Inc.
Vintage Woodworks
Zepsa Industries, Inc.

Staircase Parts, Handrails
Architectural Products by Outwater, LLC
Goodwin Heart Pine Co.
Illingworth Millwork, LLC
Northeast Millwork Corp.
Superior Moulding, Inc.
Vintage Woodworks
Zepsa Industries, Inc.

Staircase Parts, Newel Posts
Architectural Products by Outwater, LLC
Goddard Mfg. Co.
Goodwin Heart Pine Co.
Illingworth Millwork, LLC
Superior Moulding, Inc.
Vintage Woodworks
Wilbur, Frederick - Woodcarver
Zepsa Industries, Inc.

Stair Parts, Stair Rods
Goodwin Heart Pine Co.
Illingworth Millwork, LLC
Schiff Architectural Detail, LLC

Stairs, Curved
Goodwin Heart Pine Co.
Zepsa Industries, Inc.

Stairs, Custom
Goddard Mfg. Co.
Goodwin Heart Pine Co.
Zepsa Industries, Inc.

Stairs, Monumental
Abatron, Inc.
Zepsa Industries, Inc.

Stairs, Spiral
Goddard Mfg. Co.
Zepsa Industries, Inc.

Stairs, Straight
Zepsa Industries, Inc.

Timbers, Antique & Salvaged
See Section 16

Timbers, Custom Cut
Bear Creek Lumber
Goodwin Heart Pine Co.

Timbers, Large
Bear Creek Lumber
Goodwin Heart Pine Co.

Turnings, Custom
Architectural Products by Outwater, LLC

Turnings, Standard Designs
Architectural Products by Outwater, LLC
Vintage Woodworks

Veneers & Inlays
Architectural Products by Outwater, LLC

Wainscoting
See Paneling

Wood Preservatives
Abatron, Inc.

2010 Guidebook Sourcelist

1.800.COLUMNS 800-265-8667; Fax: 910-763-3191 www.columns.com Wilmington, NC 28401	Catalog distributor of fine architectural products: Chadsworth Columns, Hartmann-Sanders Authentic Architectural Columns, PolyStone Columns, PolyStone Balustrade Series & Classic Pergolas; job-site delivery. **Key in No. 1580 for Polystone; 180 for wood**
Abatron, Inc. 800-445-1754; Fax: 262-653-2019 www.abatron.com Kenosha, WI 53144	Manufacturer of products for restoration & repair: wood consolidation & repair, concrete patching & resurfacing, metal restoration, moldmaking & casting, structural adhesives, protective coatings, strippers & related products. **Key in No. 1300**
Accurate Lock & Hardware Co. 203-348-8865; Fax: 203-348-5234 www.accuratelockandhardware.com Stamford, CT 06902	Supplier of hardware for restoration & new construction: experienced with large projects such as state capitols; reproduction, reconditioned & refinished; custom; many styles & finishes. **Key in No. 1997**
Al Bar-Wilmette Platers 847-251-0187; Fax: 847-251-0281 www.wilmettehardware.com Wilmette, IL 60091	Restorer of lighting fixtures & antique hardware: period crystal & metal light fixtures; bronze, brass, copper, nickel, pewter, gold, silver & chrome; matching of existing hardware in restoration projects; will match any finish. **Key in No. 2636**
Allen Architectural Metals, Inc. 800-204-3858; Fax: 256-761-1967 www.allenmetals.com Talladega, AL 35161	Manufacturer of ornamental metal: casting & metal fabrication; street amenities, signage, lighting, columns, building components, doors, cupolas, finials, cresting, architectural elements, canopies, bollards, railings & grilles; variety of alloys & finishes.
Allied Window, Inc. 800-445-5411; Fax: 513-559-1883 www.alliedwindow.com Cincinnati, OH 45241	Manufacturer & installer of 'invisible' storm windows: custom colors, shapes & glazing materials; aluminum; protection from UV & vandalism; interior & exterior; commercial & residential applications. **Key in No. 690**
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. **Key in No. 8032**
Antique Lumber Corp. 617-548-1829; Fax: 617-884-5120 www.antiquelumber.net Chelsea, MA 02150	Supplier of vintage wood: antique & salvaged timbers & boards; antique wood flooring; random-width & wide-board flooring. **Key in No. 1457**
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; waterjet & laser cutting. **Key in No. 2220**
Architectural Products by Outwater, LLC 800-835-4400; Fax: 800-835-4403 www.outwater.com Bogota, NJ 07603	Manufacturer of 65,000+ decorative building products: architectural moldings & millwork, columns, capitals, wrought-iron components, balustrading, door hardware, lighting, ceiling tile, furniture & cabinet components & more. **Key in No. 1088**
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. **Key in No. 1670**

Aristone Designs, Inc. 800-369-8118; Fax: 480-967-1181 www.aristonedesigns.com Tempe, AZ 85281	Manufacturer of precast products: columns, pavers, mantels, molding, trim & balustrades; concrete, plaster & GFRC; custom colors & finishes; stock & custom work; in-house moldmaker; since 1964. **Key in No. 1555**
ArmaKleen Co. 800-332-5424; Fax: 609-497-7178 www.armex.com Princeton, NJ 08543	Manufacturer of ARMEX blast media: baking-soda-based abrasives & tools for cleaning & paint removal without damaging most substrates; for stone, brick, wood, metal, glass & composites. **Key in No. 406**
Authentic Designs 800-844-9416; Fax: 802-394-2422 www.authenticdesigns.com West Rupert, VT 05776	Manufacturer of historical lighting fixtures: chandeliers, lanterns, sconces & table lamps; brass, copper, terne & Vermont maple; Early American & Colonial; CUL/UL listed for wet & damp locations; library binder $15. **Key in No. 60**
Ball & Ball Hardware 610-363-7330; Fax: 610-363-7639 www.ballandball.com Exton, PA 19341	Custom manufacturer & supplier of ornamental metalwork & hardware: door, window, shutter, gate & furniture hardware; fireplace tools; wrought iron, steel, aluminum, bronze, brass, copper & cast iron; custom reproductions. **Key in No. 2930**
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; restoration services. **Key in No. 7660**
Ball Consulting, Ltd. 724-266-1502; Fax: 724-266-1504 www.ball-consulting-ltd.com Ambridge, PA 15003	Supplier of moldmaking materials & casting compounds: alginate, latex rubber, polyurethane & silicone for moldmaking; GFRC, gypsum, polymer-modified gypsum, plaster & polyurethane casting compounds; terra-cotta substitutes. **Key in No. 7260**
Balquist Carving Studio 781-773-1576; Fax: Same as phone www.balquistcarving.com Hull, MA 02045-0256	Designer & producer of hand-carved wood ornament, sculpture & signage: reproduction & restoration of decorative wood elements; columns, capitals, corbels, decorative ornament & more. **Key in No. 1274**
Bamboo & Rattan Works, Inc. 800-422-6266; Fax: 732-905-8386 www.bambooandrattan.com Lakewood, NJ 08701	Manufacturer of bamboo products: thatch, fencing, gates & traditional Japanese water features; water spouts & deer chasers; half-round bamboo for water troughs; mats & boards for wallcoverings; thatch, slats, bark, cloth & more. **Key in No. 5830**
Bathroom Machineries, DEA 209-728-2031; Fax: 209-728-2320 www.deabath.com Murphys, CA 95247	Supplier of Early American & Victorian bathroom fixtures & accessories: antique & reproduction claw-foot tubs, high-tank toilets, pedestal sinks, mirrors & many one-of-a-kind items. **Call for more information.**
Bear Creek Lumber 800-597-7191; Fax: 509-997-2040 www.bearcreeklumber.com Winthrop, WA 98862	Supplier of high-quality clear-grade lumber siding, decking, paneling, ceilings, custom moldings, timbers & post & beam: sustainable & recycled; western red cedar, Port Orford cedar, Douglas fir, Ipe, cypress, pine, fir, hemlock, jatoba & more. **Key in No. 521**
Belden Brick Co., The 330-456-0031; No fax 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. **Key in No. 1891**
Bevolo Gas & Electric Lights 504-522-9485; Fax: 504-522-5563 www.bevolo.com New Orleans, LA 70130	Manufacturer & distributor of lighting fixtures: hand riveted, antique copper, natural gas, propane & electric; residential, commercial, landscapes & streetscapes; custom scaling & style proposals. **Key in No. 166**

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. **Key in No. 1270**
Boston Valley Terra Cotta 888-214-3655; Fax: 716-649-7688 www.bostonvalley.com Orchard Park, NY 14127	Supplier of architectural terra-cotta products: roof tile & Terraclad; columns, capitals, cornices, balustrades, garden sculpture & chimneys; standard & custom shapes & colors; replacements & new designs. **Key in No. 160**
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. **Key in No. 3950**
Brian Greer's Tin Ceilings, Walls & Unique Metal Work 519-743-9710; Fax: 519-570-1447 www.tinceiling.com Petersburg, ON, Canada N0B 2H0	Supplier of decorative tin ceiling panels: tin, copper, brass, chrome & pewter finishes on 2x2-ft. panels; can be painted or left bright tin; moldings, fillers & cornices available. **Key in No. 966**
Brosamer's Bells 517-592-9030; No fax 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. **Key in No. 7130**
Brusso Incorporated 212-337-8510; Fax: 212-337-9840 www.brusso.com New York, NY 10013	Designer & manufacturer of precision cabinetry hardware: commercial & residential use. **Key in No. 1836**
Building Conservation Associates 212-777-1300; Fax: 212-777-1606 www.bcausa.com New York, NY 10001	Consulting firm: project management, conditions survey, plans & specs, cost estimating & feasibility reports, materials testing & lab analysis; for historic buildings, monuments & fine art. **Key in No. 1673**
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. **Key in No. 2730**
Canning Studios 203-272-9868; Fax: 203-272-9879 www.canning-studios.com Cheshire, CT 06410	Restorer & designer of decorative finishes, ornamental plaster & wood: historic-paint analysis; plaster consolidation & stabilization; decorative painting, murals, interior & exterior gilding & wood graining; metal & stone cleaning; art glass restoration. **Key in No. 5100**
Cape Cod Cupola Co. 508-994-2119; Fax: 508-997-2511 www.capecodcupola.com North Dartmouth, MA 02747	Manufacturer of cupolas: with windows or louvers; available in finished pine or maintenance-free PVC; weathervanes & finials. **Key in No. 1514**
Carlson's Barnwood Co. 309-522-5550; Fax: 309-522-5123 www.carlsonsbarnwood.com Cambridge, IL 61238	Supplier of antique barn wood & salvaged materials: planks, beams, dimensional lumber, re-milled flooring & architectural antiques; pine, oak, heart pine & mixed species; salvaged doors, windows & shutters; antique lighting & art glass; hardware. **Key in No. 2744**
Carreaux du Nord 920-553-5303; No fax www.carreauxdunord.com Two Rivers, WI 54241	Manufacturer of handmade art tile for architectural & accent use: wide selection of exclusive designs in the Arts & Crafts style. **Key in No. 1990**
Chadsworth Columns 800-486-2118; Fax: 919-778-5177 www.chadsworth.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. **Key in No. 1580 for Polystone; 180 for wood**
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. **Key in No. 190**
Chestnut Specialists, Inc. 860-283-4209; Fax: Same as phone 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. **Key in No. 2390**
Classic Grills 760-213-7136; Fax: 760-749-7136 www.classicgrills.com Valley Center, CA 92082	Fabricator of grilles, registers & vent covers: bronze or aluminum; Renaissance, Victorian & Art Deco styles; stock & custom; fireplace dampers. **Key in No. 1973**
Classic Gutter Systems, LLC 269-665-2700; Fax: 269-665-1234 www.classicgutters.com Kalamazoo, MI 49003	Manufacturer of half-round gutters: heavy 20-oz. copper, heavy-duty aluminum & galvalume with baked-enamel finish; hidden nut-&-bolt adjustable hanger system; cast fascia brackets & decorative components; solid brass & aluminum. **Key in No. 1280**
Cole & Co., C.W. 626-443-2473; Fax: 626-443-9253 www.colelighting.com South El Monte, CA 91733	Manufacturer of specialty & custom lighting fixtures: interior church lighting; landscape lighting & steplights; fencing; antique refurbishments; for commercial & institutional use. **Key in No. 488**
Color People, The 303-308-0220; Fax: 303-308-0123 www.colorpeople.com Denver, CO 80204	Designer of exterior color schemes: consultation for residences, businesses, Main Streets & townscapes through photos, via mail & on site. **Key in No. 5470**
Conrad Schmitt Studios, Inc. 800-969-3033; Fax: 262-786-903www.conradschmitt.com New Berlin, WI 53151	Creator, conservator & restorer of decorative painting: stained & art glass; ornamental plasterwork; gilding; crystalline etched-glass designs; murals, mosaics & statuary; for public & religious buildings; since 1889. **Key in No. 1839 for ecclesiastical specialties; 1841 for art glass; 8040 for interiors**
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. **Key in No. 9600**
Coppersmythe, Josiah R. 508-432-8590; Fax: 508-432-8587 www.jrcoppersmythe.com Harwich, MA 02645	Supplier of handcrafted Early American & Arts & Crafts reproduction lighting fixtures: lanterns, chandeliers, sconces & post lights; copper, brass, tin, wrought iron & wood; catalog $3. **Call for more information.**
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. **Key in No. 1439**
Craftsman Lumber Co. 978-448-5621; Fax: 978-448-2754 www.craftsmanlumber.com Groton, MA 01450	Manufacturer of wood flooring & custom millwork: wide-plank flooring & clapboards; eastern white pine, red pine, red oak & other native hardwoods; all drying & milling done on premises. **Key in No. 4320**
Craftsmen Hardware Co. 660-376-2481; Fax: 660-376-4076 www.craftsmenhardware.com Marceline, MO 64658	Supplier of Arts & Crafts-style hardware: door, window, cabinet & drapery hardware; grilles; hand-hammered copper; interior & exterior lighting; pendants, sconces, chandeliers, lanterns, table lamps & switch plates. **Key in No. 6980**
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. **Key in No. 313**
Custom Shutter Company 800-470-0685; Fax: 251-545-4120 www.customshuttercompany.com Montgomery, AL 36117	Supplier of interior & exterior shutters: louvered, panel, board-&-batten, combination & hurricane styles; vinyl, pine, red cedar, redwood, mahogany, cypress, wood composite, PVC composite, fiberglass & aluminum; standard & period style hardware. **Key in No. 1900**
DeAngelis Iron Work, Inc. 888-676-4766; Fax: 508-238-7757 www.deangelisiron.com South Easton, MA 02375	Custom fabricator & installer of ornamental metalwork: fences, gates, columns, capitals, benches, stairs & more; cast & wrought iron, bronze, brass, aluminum, stainless steel & more; cresting; grilles. **Key in No. 1023**

Deborah Mills Woodcarving 646-288-7497; No fax www.deborahmillswoodcarving.com Brooklyn, NY 11222	Custom wood carver & sculptor: one-of-a-kind hand-carved liturgical, architectural & decorative elements; torah arks, ecclesiastical furnishings, commemorative plaques, Judaica, doors, screens, mantels, paneling, friezes & more.
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. **Key in No. 809**
Designs in Tile 530-926-2629; No fax www.designsintile.com Mt. Shasta, CA 96067	Designer & fabricator of custom art-tile installations & murals inspired by Victorian & English/American Arts & Crafts styles: coordinating borders & field patterns; interior & exterior applications; subway tile & trim. **Call for more information.**
Distinguished Home Lighting, Ltd. 718-261-6090; Fax: 718-261-6190 www.distinguishedhomelighting.com Forest Hills, NY 11375	Supplier of traditional lighting: European cast-brass exterior lanterns; gas & electric applications; designs for wall, ceiling, post & column mounting.
Doty & Sons Concrete Products 800-233-3907; Fax: 815-895-8035 www.dotyconcrete.com Sycamore, IL 60178	Manufacturer of litter receptacles, planters, bollards & custom concrete products: more than 20 bench styles & sizes; Ipe lumber, recycled plastic & concrete seats & backs. **Key in No. 2090**
Dutch Delft Tiles by Oudolf Jr. 011-31-314381135; Fax: 113-13-1481148 www.delfttiles.com Utrecht, The Netherlands, 3508 AB	Manufacturer of handmade Dutch Delft tile: replicas of tile dating from 16th century; smooth or crackled glaze; antique Delft tile; floor tile. **Key in No. 1808**
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. **Key in No. 2260**
Early New England Homes by Country Carpenters 860-643-1148; Fax: 860-643-1150 www.earlynewenglandhomes.com Bolton, CT 06043	Manufacturer of timber-frame structures: houses & barns. **Key in No. 1878**
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. **Key in No. 1377**
European Hardware & Finishes/ Gerber Hinge Co. 800-643-7237; Fax: 818-717-5016 www.gerberhinge.com Canoga Park, CA 91304	Importer & distributor of cabinet, door & window hardware: cremone bolts/espagnolettes; iron, bronze & brass; from France, Italy & England; special finishes upon request. **Key in No. 2540**
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. **Key in No. 743 for ecclesiastical; 2460 for decorative painting; 2678 for plasterwork**
Federalist, The 203-625-4727; Fax: 203-629-8775 www.thefederalistonline.com Greenwich, CT 06830	Manufacturer & supplier of 18th-century style lighting fixtures: chandeliers, sconces, lanterns, bell-jar fixtures, table & floor lamps; exterior lanterns; antique, historic reproductions & custom lighting; electric & gas. **Key in No. 2833**
Felber Ornamental Plastering Corp. 800-392-6896; Fax: 610-275-6636 www.felber.net Norristown, PA 19404	Supplier of interior molded ornament: capitals, cornices, friezes, niches, keystones, rosettes, coffers, domes & medallions; custom mantels; plaster, gypsum & GRG; sculptors, model makers & casters on staff; stock & custom. **Key in No. 2890**
Fine Architectural Metalsmiths 888-862-9577; 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. **Key in No. 2640**
Fischer & Jirouch Co. 216-361-3840; Fax: 216-361-0650 www.fischerandjirouch.com Cleveland, OH 44103	Manufacturer of handcrafted plaster moldings: columns, capitals, ceiling medallions & fireplace mantels; interior & exterior ornament. **Key in No. 1960**
Frank Morrow Co. 800-556-7688; Fax: 401-941-3810 www.frankmorrow.com Providence, RI 02905	Designer & manufacturer of more than 6,000 ornamental metal trims: embossed banding & perforated gallery; decorative stampings include leaves, flowers, husks, bobeches, animals, motifs & more; grey-iron castings. **Key in No. 1220**
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. **Key in 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. **Key in No. 8079**
General Woodcraft 860-444-9663; Fax: 860-444-0517 www.generalwoodcraftinc.com New London, CT 06320	Specialty building company: custom kitchen cabinetry, Mataverde decking, hardwoods, plywood, millwork, FSC hardwood decking & more.
Gladding, McBean - Div. of Pacific Coast Bldg. 800-776-1133; Fax: 916-645-1723 www.gladdingmcbean.com Lincoln, CA 95648	Manufacturer of sculptural ornamentation, machine-extruded terra cotta, roof tile, chimney tops, finials, pavers & vitrified sewer pipes: terra-cotta balustrades, copings, cornices & more; custom-glaze development. **Key in No. 6010 for terra cotta; 1705 for roof tile; 1706 for pottery; 1707 for paving**
Goddard Mfg. Co. 800-536-4341; Fax: 785-689-4303 www.spiral-staircases.com Logan, KS 67646	Custom fabricator of stairs: spiral & curved; balusters & newels; all wood (mainly pine & oak), steel/wood combinations & all steel; wholesale prices. **Key in No. 4780**
Good Time Stove Co. 413-268-3677; No fax www.goodtimestove.com Goshen, MA 01032	Supplier of antique kitchen ranges & heating stoves: ca. 1840-1930; fully restored & functional; enamel, cast iron, wood & wood/gas combos; electric conversions available. **Call for more information.**
Goodwin Associates 585-248-3320; Fax: 585-387-0153 www.goodwinassociates.com Rochester, NY 14618	Supplier of architectural products: cornice moldings, columns, capitals, balustrades, door & window surrounds, ceiling medallions, niches, brackets, corbels, mantels, shutters & more; polyurethane, FRP & hardwood millwork. **Key in No. 806**
Goodwin Heart Pine Co. 800-336-3118; Fax: 352-466-0608 www.heartpine.com Micanopy, FL 32667	Manufacturer of antique reclaimed hardwood flooring: river-recovered heart pine & heart cypress, Antique Legacy (building-reclaimed) heart pine & wild black cherry; in 16 grades; stair parts, millwork, moldings, paneling & furniture. **Key in No. 1330**
Grabill Windows & Doors 810-798-2817; Fax: 810-798-2809 www.grabillwindow.com Almont, MI 48003	Designer & manufacturer of high-performance all-wood, bronze & aluminum-clad windows & doors: commercial & historic projects; traditional to contemporary; historic replicas; green windows for sustainable designs. **Key in No. 1910**
Haddonstone (USA), Ltd. 719-948-4554; Fax: 719-948-4285 www.haddonstone.com Pueblo, CO 81001	Manufacturer of classical & contemporary stonework: columns, balustrades, benches, planters, urns, pavers, fountains, gazebos, interior ornament, mantels, statuary & more; cast limestone resembling Portland stone; 500+ designs. **Key in No. 4020**
Hamilton Sinkler 866-900-3326; Fax: 212-760-3362 www.hamiltondeco.com New York, NY 10016	Supplier of window & door hardware, cast-metal registers & bathroom accessories: many historical styles & finishes. **Key in No. 1947**
Heartwood Carving 541-868-0666; Fax: 541-683-5219 www.heartwoodcarving.com Eugene, OR 97402	Design & carving company: custom, high-volume & one-of-a-kind projects; architectural ornament; carved doors & murals, textured panels, mantels & mirror frames; corner blocks & landscapes a specialty; 25 years experience.

Heat Registers.com 509-535-1237; Fax: 509-534-8916 www.heatregisters.com Spokane, WA 99223	Supplier of registers & grilles; metal & wood; cast & forged metal, sheet metal, metal plate. **Key in No. 1879**
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; Kalemein & lot-line metal windows & doors. **Key in No. 2470**
Hennessy House Wooden Flag Poles 800-285-2122; Fax: 760-321-0590 www.woodenflagpoles.com Sierra City, CA 96125	Manufacturer of old-style wooden flagpoles: for traditional grounds & buildings; glue-laminated Douglas fir construction; mounting brackets & accessories; exterior lighting; ships to any location.
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: seven collections include pre-hung driveway gates, garden gates, modular fences, posts & fittings; CAD files on request; most products in stock for immediate delivery. **Key in No. 1968**
Herwig Lighting 800-643-9523; Fax: 479-968-6422 www.herwig.com Russellville, AR 72811	Designer & manufacturer of cast metalwork: pendant lanterns, street lighting, posts, custom outdoor lighting, clocks, benches, bollards, custom plaques & signs, antique fence posts & more; aluminum & bronze; handcrafted. **Key in No. 9130**
Historic Structures 202-437-7567; Fax: 202-686-0135 www.historicstructuresdc.com Washington, DC 20016	Historic preservation contractor: expertise in carpentry, plaster, composition ornament restoration, stained glass, specialty paint finishes, timber framing, graining & marbling, window restoration & more. **Key in No. 1991**
Historical Arts & Casting, Inc. 800-225-1414; Fax: 801-280-2493 www.historicalarts.com West Jordan, UT 84088	Designer & custom fabricator of ornamental metalwork: doors, windows, hardware, stairs, balustrades, registers, fences, lighting, gutters, columns, weathervanes, snow guards, planters & more; iron, bronze, aluminum & steel; restoration services. **Key in No. 1210**
Hochstetler Milling, Ltd. 419-368-0005; Fax: 419-994-4831 552 State Route 95 Loudonville, OH 44842	Supplier of new timbers in oak up to 40 ft. long: planed & rough sawn; 2x6 & 1x6 tongue-in-groove knotty pine. **Key in No. 1954**
House of Antique Hardware 888-265-1038; Fax: 503-233-1312 www.houseofantiquehardware.com Portland, OR 97232	Manufacturer & supplier of vintage reproduction door, window, shutter, cabinet & furniture hardware & accessories: Federal, Victorian, Colonial Revival, Craftsman & Deco styles; push-button switches & plates; registers & grilles. **Key in No. 1096**
Hugh Lofting Timber Framing, Inc. 610-444-5382; Fax: 610-444-2371 www.hughloftingtimberframe.com West Grove, PA 19390	Designer, fabricator & installer of custom timber-frame structures: residential, commercial & outbuildings; insulated panel systems; throughout the mid-Atlantic region; eco-friendly construction & materials. **Key in No. 663**
Illingworth Millwork, LLC 877-390-2392; Fax: 315-232-3645 www.illingworthmillwork.com Adams, NY 13605	Custom builder of wood windows, doors & moldings: sashes or doors only or complete units; matching of existing moldings; crowns, bases, casings, trim, spindles, balusters & turnings; architectural, traditional & historical. **Key in No. 1696**
Innerglass Window Systems 800-743-6207; Fax: 860-651-4789 www.stormwindows.com Simsbury, CT 06070	Custom manufacturer of glass interior storm windows for energy conservation & sound-proofing: automatically conforms to opening, compensating for out-of-square conditions; no sub-frame needed; all glazing options. **Key in No. 909**
Inspire Roofing Products 866-288-2726; Fax: 800-709-9109 www.inspireroofing.com Wixom, MI 48393	Supplier of roofing: 100% recyclable blend of limestone & synthetic resins; looks like slate; 6 profiles; Class A fire; Class 4 hail & 110 mph wind uplift ratings; transferable 50-year limited warranty. **Key in No. 1932**
James Peters & Son, Inc. 215-739-9500; Fax: 215-739-9779 www.jamespetersandson.com Philadelphia, PA 19122	Manufacturer of ornamental gate, shutter & barn door hardware: gate, barn & stable hinges; shutter bolts, shutter dogs & pull rings.

Jonathan Browning Studios 415-401-9999; Fax: 415-341-8886 www.jonathanbrowninginc.com San Francisco, CA 94103	Supplier of lighting: interior & exterior; styles from French Industrial to 20s, 30s & 40s; drapery hardware. **Key in No. 1992**
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; bathroom accessories & kitchen equipment; restoration; catalog $5. **Call for more information.**
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 varierty of patterns & thicknesses.
Kestrel Shutters 505-867-02701; Fax: 610-326-6779 www.diyshutters.com Stowe, PA 19464	Manufacturer of interior & exterior shutters, closet & cabinet doors & related hardware: custom & standard sizes, DIY or fully assembled; true mortise-&-tenon construction; louvers, panels, bead board, radius & more; shutter kits. **Key in No. 7990**
Kopelov Cut Stone, Inc. 505-867-0270; Fax: 505-867-6787 www.kopelovcutstone.com Bernalillo, NM 87004	Fabricator of architectural stone elements for restoration contractors, commercial builders, custom designers & individuals: high-quality cutting & decorative carving; façades, mantels, monuments, sills, capitals & columns.
Krukowski Stone Co., Inc. 800-628-0314; Fax: 715-693-7223 www.krukowskistone.com Mosinee, WI 54455	Quarrier & fabricator of natural stone: flooring, paving, countertops, sills, mantels & coping; granite, limestone, quartzite sandstone & gneiss; architectural & landscaping materials; water-jet cutting.
Lake Shore Industries, Inc. 800-458-0463; Fax: 814-453-4293 www.lsisigns.com Erie, PA 16502-1624	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. **Key in No. 8730**
Lantern Masters, Inc. 818-706-1990; Fax: 818-706-1988 www.lanternmasters.com Westlake Village, CA 91362	Custom designer & manufacturer of interior & exterior lighting: chandeliers, pendants, ceiling flushes & sconces; wall, pendant, post & pilaster exterior models; many architectural periods; historical reproductions. **Key in No. 1239**
Leo Uhlfelder Co. 914-664-8701; Fax: 914-664-8728 www.uhlfeldergoldleaf.com Mount Vernon, NY 10553	Supplier of genuine & imitation gold, silver & aluminum leaf: decorative painting & gilding tools, brushes, books, videos & related items; bronze & aluminum powders. **Key in No. 810**
Liberty Head Post & Beam 802-434-2120; Fax: 802-434-5666 www.libertyheadpostandbeam.com Huntington, VT 05462	Custom designer of timber-frame houses, barns & outbuildings authentically joined in the Vermont tradition: historic renovation & new structures, since 1977. **Key in No. 1233**
Lighting Nelson & Garrett Inc. 416-463-0050; Fax: 416-463-9882 www.lightingnag.com Toronto, ON, Canada M8V 4E6	Manufacturer of lighting fixtures: many sizes, styles & designs; historic preservation; replication & more. **Key in No. 1969**
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; restoration & new construction. **Key in No. 2760**
Lynne Rutter Murals & Decorative Painting 415-282-8820; No fax www.lynnerutter.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. **Key in No. 4710**
M & A Architectural Preservation, Inc. 978-683-0880; Fax: 978-683-8370 www.archpres.com Lawrence, MA 01843	Restorer of wood & metal windows: reglazing with antique restoration glass; interior storm systems; monumental & tower windows; consultation. **Key in No. 955**
MAC Metals 800-631-9510; Fax: 201-997-7457 www.macmetals.com Kearny, NJ 07032	Manufacturer of architectural extrusions: brass, bronze & nickel-silver; for fabricators, lighting, hardware, contractor, elevator & fenestration industries; many common architectural bronze profiles in stock. **Key in No. 1799**

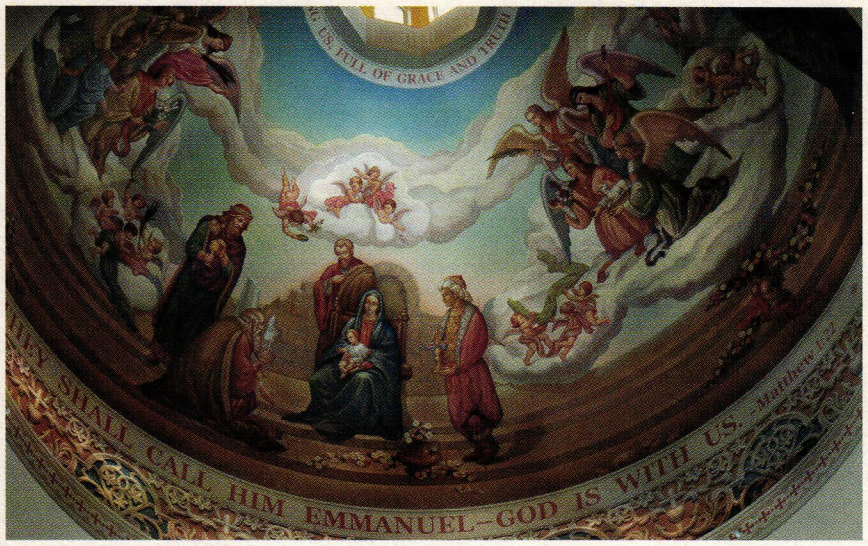
Marvin Windows and Doors 888-537-7828; Fax: 651-452-3074 www.marvin.com Warroad, MN 56763	Manufacturer of wood windows & doors: clad & clad-wood; solid wood entry doors; special shapes; custom sizes & more than 11,000 standard sizes; historical replicas; interior & exterior storm windows. **Key in No. 1263 for windows; 1907 for doors**
Mills Architectural Lighting 800-268-1526; Fax: 416-463-9882 www.millslighting.com Toronto, ON, Canada M4Y 2L7	Custom designer & manufacturer of interior & exterior lighting: historical lighting & restoration; for churches & other houses of worship; servicing all of North America & parts of South America. **Key in No. 1410**
Modern Art Foundry 718-728-2030; Fax: 718-267-0819 www.modernartfoundry.com Astoria, NY 11105	Bronze casting: lost-wax & sand castings; non-ferrous metals; sculpture & commemorative design services; conservation & maintenance; more than 70 years of experience. **Key in No. 1810**
Mon-Ray, Inc. 800-544-3646; Fax: 763-546-8977 www.monray.com Minneapolis, MN 55427	Manufacturer of DeVAC aluminum windows & Mon-Ray secondary windows: replacements & storms for existing windows; operating & fixed; for historical residential & commercial projects. **Key in No. 1042**
Newstamp Lighting Co. 508-238-7071; Fax: 508-230-8312 www.newstamplighting.com North Easton, MA 02356	Manufacturer & distributor of exterior lantern-style electric & gas fixtures: lamps, bollards & lanterns; copper, brass, cast iron & aluminum; Arts & Crafts style; stock & custom. **Key in No. 800**
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. **Key in No. 8300 for roofing; 861 for ceilings**
No 9 Studio UK 011-44-1769-5404-71; Fax: 44-1769-5408-64 www.no9uk.com Umberleigh, Devon, UK EX379HF	Manufacturer of terra-cotta architectural elements: chimneys, sculptural fountains & garden furnishings/ornament; ceramic tile & clay tile roofing; cupolas, finials & vents; special brick & features; mural painting; restoration. **Key in No. 1672**
Northeast Millwork Corp. 401-624-7744; Fax: 401-624-8118 500 Eagleville Rd. Tiverton, RI 02878	Supplier of antique heart pine, old-growth recycled timbers, fir, chestnut & pine: flooring, stair treads, handrails, cabinetry, fine millwork & moldings. **Key in No. 1993**
Notting Hill Decorative Hardware 262-248-8890: Fax: 262-248-7876 www.nottinghill-usa.com Lake Geneva, WI	Distributor of high-end hardware: knobs & pulls of hand-cast pewter or bronze, additional plating options, semi-precious stones, enameling & hand painting; Classical, old world, island & lodge motifs. **Key in No. 319**
Ohline Corp. 310-327-4630; Fax: 310-538-5742 www.ohline.net Gardena, CA 90249	Manufacturer of custom shutters & louvered doors: wide louvers (4 sizes, 3 profiles) & narrow louvers; arches, sunbursts, slopes, quadrants & shoji screens; residential & commercial projects; wholesale only. **Key in No. 1065**
Old Smithy Shop 888-672-4113; Fax: Same as phone www.oldsmithyshop.com Brookline,NH 03086	Custom fabricator of hand-forged Early American hardware: Suffolk & Norfolk latches & pulls; pintle strap hinges & H & H-L hinges & cabinet latches; window, gate & barn hardware; fireplace tools; custom metalwork.
Otteson Co. 972-317-3120; Fax: 972-317-2812 www.ottesonglass.com Lewisville, TX 75029	Supplier of fine glass for lighting fixtures: chandeliers, sconces, pendants & table lamps; Victorian, Turn of the Century, Art Nouveau & Art Deco; blown-glass shades (principally from Vianne, France); custom projects. **Key in No. 1045**
Palladio Mouldings 905-305-0000; Fax: 905-305-0001 www.palladiomouldings.com Markham, ON, Canada L3R 1B5	Designer & manufacturer of interior plaster moldings: cornices, panel molding, chair rail, casings, corner blocks & baseboards; for commercial & residential use; restoration services. **Key in No. 1994**
Parrett Windows & Doors 800-541-9527; Fax: 877-238-2452 www.parrettwindows.com Dorchester, WI 54425	Manufacturer of custom wood & aluminum-clad windows: any geometric shape, numerous wood species & complete finishing capabilities; historical replications; custom wood doors in numerous species, finishing options; screen doors, casings & moldings. **Key in No. 3003**

Pella Corporation 800-847-3552; Fax: 641-621-3466 www.pellacommercial.com Pella, IA 50219	Manufacturer of windows & doors: wood, aluminum-clad wood, fiberglass & vinyl; renovation & new construction; standard & custom sizes, shapes, colors, styles, muntin patterns & exterior casings/brick molds; many glass & hardware options; wide variety of installation systems. **Key in No. 1998**
Phelps Company 802-257-4314; Fax: 802-258-2270 www.phelpscompany.com Brattleboro, VT 05301	Manufacturer of traditional hot-forged solid-brass window hardware: sash pulleys, weights, chains, lifts & locks; stop-bead adjusters, spring bolts, window ventilation locks, casement hardware, storm/screen-door latch sets & more. **Key in No. 6001**
Rambusch Lighting Co. - Design Studios 201-333-2525; Fax: 201-860-9999 www.rambusch.com Jersey City, NJ 07304	Designer & fabricator of ecclesiastical art & stained glass: altars, ambos, arks, crosses & more; decorative painting; custom & engineered lighting; commercial environments; since 1898; for churches & public spaces; conservation & replication of lighting fixtures. **Key in No. 6310 for lighting; 8002 for artwork**
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, zinc & wood; handcrafted to last for generations. **Key in No. 5810**
Reilly Windows & Doors 800-792-3178; Fax: 631-208-0711 www.reillywoodworks.com Calverton, NY 11933	Custom fabricator of custom wood windows & doors, casework & millwork: large-scale new & historical residential, commercial & institutional construction. **Key in No. 9210**
Rejuvenation 888-401-1900; Fax: 800-526-7329 www.rejuvenation.com Portland, OR 97210	Manufacturer of classic American lighting & house parts: more than 500 interior & exterior styles; painted-glass shades; door & window hardware; bathroom accessories, mailboxes & registers; line spans 1870s to 1960s. **Key in No. 7630**
Renaissance Conservatories 800-882-4657; Fax: 717-661-7727 www.renaissanceconservatories.com Leola, PA 17540	Designer, manufacturer & installer of conservatories, greenhouses, garden follies, pool enclosures, specialty skylights, roof lanterns, domes & garden windows: classical designs; handcrafted mahogany components; custom designs. **Key in No. 378**
Richards-Wilcox, Inc. 800-253-5668; Fax: 630-897-6994 www.rwhardware.com Aurora, IL 60506	Manufacturer of historical reproduction door hardware: for 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. **Key in No. 1579**
Robinson Iron Corp. 800-824-2157; Fax: 256-329-8960 www.robinsoniron.com Alexander City, AL 35011	Designer & installer of custom metalwork: fountains, columns, fences, railings, sculpture, benches, grilles, cupolas, cresting, street lighting & gazebos; wrought iron/steel, aluminum, bronze & cast iron; historical restoration. **Key in No. 3240**
Rohlf's Stained & Leaded Glass Studio 800-969-4106; 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. **Key in 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 & facade restoration. **Key in No. 1883**
SA Baxter Architectural Hardware 800-407-4295; Fax: 888-713-6042 www.sabaxter.com New York, NY 10016	Designer & manufacturer of high-end architectural hardware: hand made by local artisans; door, cabinet & window hardware; custom & semi-custom; styles include Federal, Victorian, Gothic, Arts & Crafts; more than 200 finishes available; catalog online. **Key in No. 1995**
San Marco USA 678-907-5811; Fax: 678-618-0437 www.san-marcousa.com Atlanta, GA 30318	Supplier of natural mineral products: paints, primers, glazes, pigments, low-VOC metal finishes, tools; eco-friendly. **Key in No. 2002**
Schiff Architectural Detail, LLC 617-887-0202; Fax: 617-887-0127 www.schiffarchitecturaldetail.com Chelsea, MA 02150	Custom fabricator of metalwork: exterior lamps, lampposts, plaques, fences, fountains, interior & exterior railings & grilles; non-ferrous forged work; machine-shop service; rubber molding & pattern work; historical restoration. **Key in No. 7730**

Schwartz's Forge & Metalworks, Inc. 315-841-4477; Fax: 315-841-4694 www.schwartzsforge.com Deansboro, NY 13328	Custom fabricator of architectural metalwork: straight, spiral & curved stairs; doors, railings, newel posts, lighting, gates, fences, grilles & fountains; forged bronze, monel steel & stainless steel; historical restoration. **Key in No. 1218**
Scofield Historic Lighting 860-767-7032; Fax: 888-860-9266 www.scofieldhistoriclighting.com Ivoryton, CT 06442	Fabricator of handmade reproduction lighting: antique & custom chandeliers, sconces & lanterns; copper, tin, steel, tin & wood; inspired by American & European designs from 17th to 19th centuries; various finishes. **Key in No. 4170**
Seekircher Steel Window Repair Corp. 914-734-8004; Fax: 914-734-8009 www.seekirchersteelwindow.com Peekskill, NY 10566	Restorer of steel casement windows & doors: all work done on site; repaired & restored steel windows & doors at Frank Lloyd Wright's Fallingwater; vintage steel casement windows & doors; more than 6,000 windows repaired annually.
Serpentino Stained & Leaded Glass 781-449-2074; Fax: 781-449-0821 www.serpentinostainedglass.com Needham, MA 02494	Manufacturer & installer of art glass: stained & leaded glass; leaded & painted designs; replications of historical patterns, restoration & conservation.
Shuttercraft, Inc. 203-245-2608; Fax: 203-245-5969 www.shuttercraft.com Madison, CT 06443	Manufacturer of wood shutters: mortise & tenon cedar & mahogany exterior movable & fixed louver, board and batten & raised panel; cutouts, capping, arches & more; hinges & holdbacks; interior louvers, Colonial panels & open frame; painting services; made in USA; ships nationwide. **Key in No. 1321**
Slate Affair, Inc. 802-848-7679; Fax: Same as phone www.slateaffair.com Enosburg Falls, VT 05450	Designer & installer of custom slate roofing: copper roofing & accessories; gutters; skylights; slate siding; steeples; garden ornament; sculpture. **Key in No. 1999**
SnoBlox-Snojax 717-697-1900; Fax: 717-697-2452 www.snoblox-snojax.com Mechanicsburg, PA 17055	Supplier of 6 polycarbonate snowguard models: all feature large, forward-mounted faces to help prevent the movement of snow & ice on metal roofs; vent protection.
Solar Innovations, Inc. 800-618-0669; Fax: 800-618-0743 www.solarinnovations.com Pine Grove, PA 17963	Designer, fabricator & installer of standard & custom glazed structures: conservatories, greenhouses, folding glass walls, skylights, glass domes, pool/spa enclosures, sunrooms & canopies; all aluminum & aluminum/wood. **Key in No. 1174**
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. **Key in No. 6190**
Steven Handelman Studios 805-962-5119; Fax: 805-966-9529 www.stevenhandelmanstudios.com Santa Barbara, CA 93103	Manufacturer of hand-forged traditional lighting, grilles & fireplace accessories: many types & styles of lighting & grilles; fireplace screens, grates & inserts; historic reproduction & restoration services. **Key in No. 483**
Steven Schuyler Bookseller 978-664-6455; Fax: 978-664-5959 www.rarebookstore.net North Reading, MA 01864	Book dealer: rare & out-of-print architectural books, trade catalogs & architectural pattern books; some in-print specialty books on architecture, preservation & restoration technology.
Stoneyard.com 978-742-9800; Fax: 978-428-0450 www.stoneyard.com Littleton, MA 01460	Supplier of reclaimed New England fieldstone: veneers, stone walls & landscaping; veneers are available in 5 different shapes; weathered or natural grain face colors. **Key in No. 2001**
Superior Moulding, Inc. 800-473-1415; Fax: 818-376-1314 www.superiormoulding.com Van Nuys, CA 91411	Supplier of architectural & ornamental woodwork: molding, straight & curved stairs, rails, balusters, spindles, newel posts, treads, ceiling medallions, furniture legs, columns, capitals & more; custom turnings; all wood species. **Key in No. 138**
Tanglewood Conservatories 410-479-4700; Fax: 410-479-4797 www.tanglewoodconservatories.com Denton, MD 21629	Manufacturer of handcrafted conservatories, greenhouses, gazebos, storefronts, roof lanterns, cupolas & pool enclosures: Honduras mahogany; custom designs; fully engineered with stamped shop drawings. **Key in No. 8270**
The Nanz Company 212-367-7000; Fax: 212-367-7375 www.nanz.com New York, NY 10013	Designer & manufacturer of period-style door, window & cabinet hardware: Gothic to Modern; specialized finishes; bathroom fittings & accessories; works directly with architects, designers & builders; consultation, specification & restoration services. **Key in No. 1988**
Tile Art/Subway Ceramics 888-439-8453; Fax: 608-237-7291 www.subwaytile.com Verona, WI 53593	Supplier of historically authentic ceramic tile: field tile, moldings & trim pieces; Victorian style. **Key in No. 1794**
Tile Roofs, Inc. 888-708-8453; Fax: 708-479-7865 www.tileroofs.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. **Key in No. 4570**
Triple-S Chemical Products, Inc. 800-562-5958; Fax: 323-261-5567 www.ssschemical.com Los Angeles, CA 90023	Manufacturer of patinas & antiquing solutions: for copper, brass, bronze, aluminum, iron, galvanized steel, pewter, solder & steel; for statues, sheet metal, lamp fixtures, gates, copper roofs & gutters; cleaners & clear coats. **Key in No. 1516**
Trow & Holden 800-451-4349; Fax: 802-476-7025 www.trowandholden.com Barre, VT 05641	Manufacturer of stone-carving tools: air & hand hammers; steel & carbide chisels for soft & hard stone; pneumatic mortar-removal kits for fine repointing work; stone-masonry & -splitting tools. **Key in No. 1058**
Unico System, Inc. 800-527-0896; Fax: 314-457-9000 www.unicosystem.com Saint Louis, MO 63111	Supplier of mini-duct systems for retrofitting HVAC systems: ideal for historic preservation; quiet, energy-efficient system; takes ¼ space of conventional HVAC; delivers 12 tons of ac in same space as 3-ton traditional system. **Key in No. 1779**
Vintage Woodworks 903-356-2158; Fax: 903-356-3023 www.vintagewoodworks.com Quinlan, TX 75474	Manufacturer & supplier of Victorian millwork: wood porch parts, turned & sawn balusters, posts, railings, brackets, moldings, corbels, custom-length spandrels, screen/storm doors, window caps, wood shingles & more; cellular PVC profiles. **Key in No. 1061**
W.F. Norman Corp. 800-641-4038; Fax: 417-667-2708 www.wfnorman.com Nevada, MO 64772	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. **Key in No. 520**
Walter S. Arnold, LLC 847-568-1188; No fax www.stonecarver.com Elgin, IL 60120	Sculptor: classically trained carver & sculptor; traditional & innovative works in stone & marble; sculpture, fountains, fireplaces & gargoyles.
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. **Key in No. 504**
Wiemann Metalcraft 918-592-1700; Fax: 918-592-2385 www.wmcraft.com Tulsa, OK 74107	Designer, fabricator, finisher & installer of custom ornamental metalwork: railings, fences, gates, columns, balustrades, lighting, grilles, furniture, planters, doors & more; all cast & wrought metal alloys, finishes & architectural styles; since 1940. **Key in No. 1223**
Wilbur, Frederick - Woodcarver 434-263-4827; No fax www.frederickwilbur-woodcarver.com Lovingston, VA 22949	Wood carver: ecclesiastical elements, Gothic tracery, reredos & wood screens; columns, furniture, mantels, casing/molding, friezes, rosettes, heraldry, signage & doors; all wood species; original designs; reproductions. **Key in No. 1650**
Wood Window Workshop 800-724-3081; Fax: 315-733-0933 www.woodwindowworkshop.com Utica, NY 13501	Custom fabricator of wood windows, doors, storms & screens: any size, shape & species; full mortise-&-tenon construction, true-divided lite, hard-to-find hardware & restoration & insulated glass; factory finishes; reproductions; for storefronts. **Key in No. 9640**
Zepsa Industries, Inc. 704-583-9220; Fax: 704-583-9674 www.zepsa.com Charlotte, NC 28273	Supplier of architectural woodwork: interior; stairs, mantels, paneling, wine cellars, furniture & more. **Key in No. 1996**

Artwork, Art Glass & Furnishings

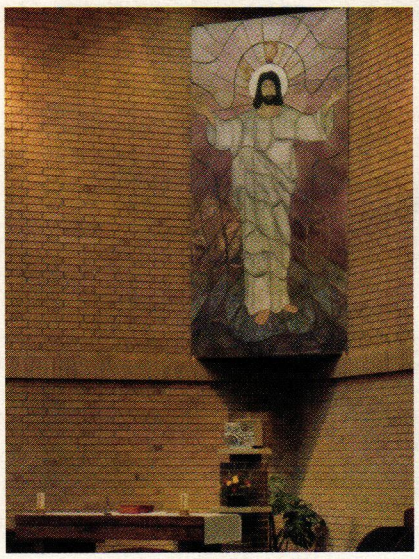
To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.



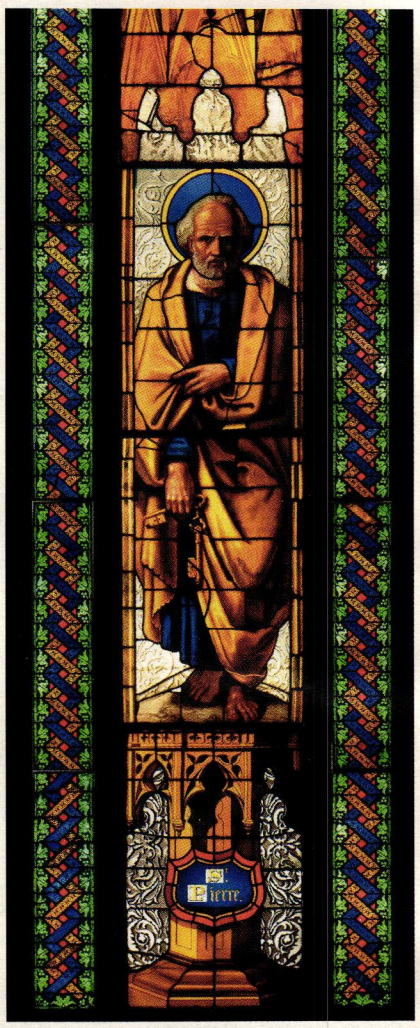
This 2,034-sq.ft. dome mural, adorned with scenes of the Epiphany, Jesus with the apostles immediately before his ascension, and groupings of triumphant angels on either side, was painted by **Conrad Schmitt Studios** for the St. .John Neumann Catholic Church in Louisville, KY. *Key in no. 1839*

This replication of the Civil War Soldiers Monument at Greenwood Cemetery in Brooklyn, NY, was cast in bronze by **Modern Art Foundry** from the 1869 zinc original. *Key in no. 1810*

Designs in Tile's Arts and Crafts collection is based on sketches by William De Morgan; the tile is individually hand decorated and fired. *Call for more information.*



This 12-ft. mural, "Risen Christ," was painted by **No 9 Studio UK** for a church in Maidenhead, UK. *Key in no. 1672*

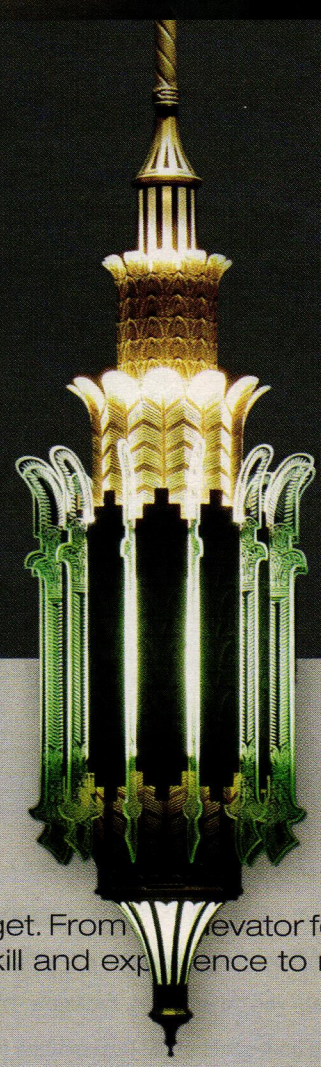


Rohlf's Studio was entrusted by Fordham University, New York City, with the complete restoration of six ca. 1865 nave windows, as well as the fabrication and installation of all new mahogany frames and protective glazing. *Key in no. 6240*

EverGreene Architectural Arts handpainted this mural directly onto the English sycamore folding doors of a media cabinet. *Key in no. 2460*

Rambusch designs, fabricates and installs stained-glass windows, such as this rose window for Saint Margaret's Episcopal Church in Green Cove Springs. FL. *Key in no. 8002*

When cost matters, experience pays.



For 110 years we've achieved exceptional results within budget. From [illegible]evator foyers to state capitols, designers choose Rambusch's optics, skill and exp[illegible]ence to make the most of their projects.

We welcome your inquiry.

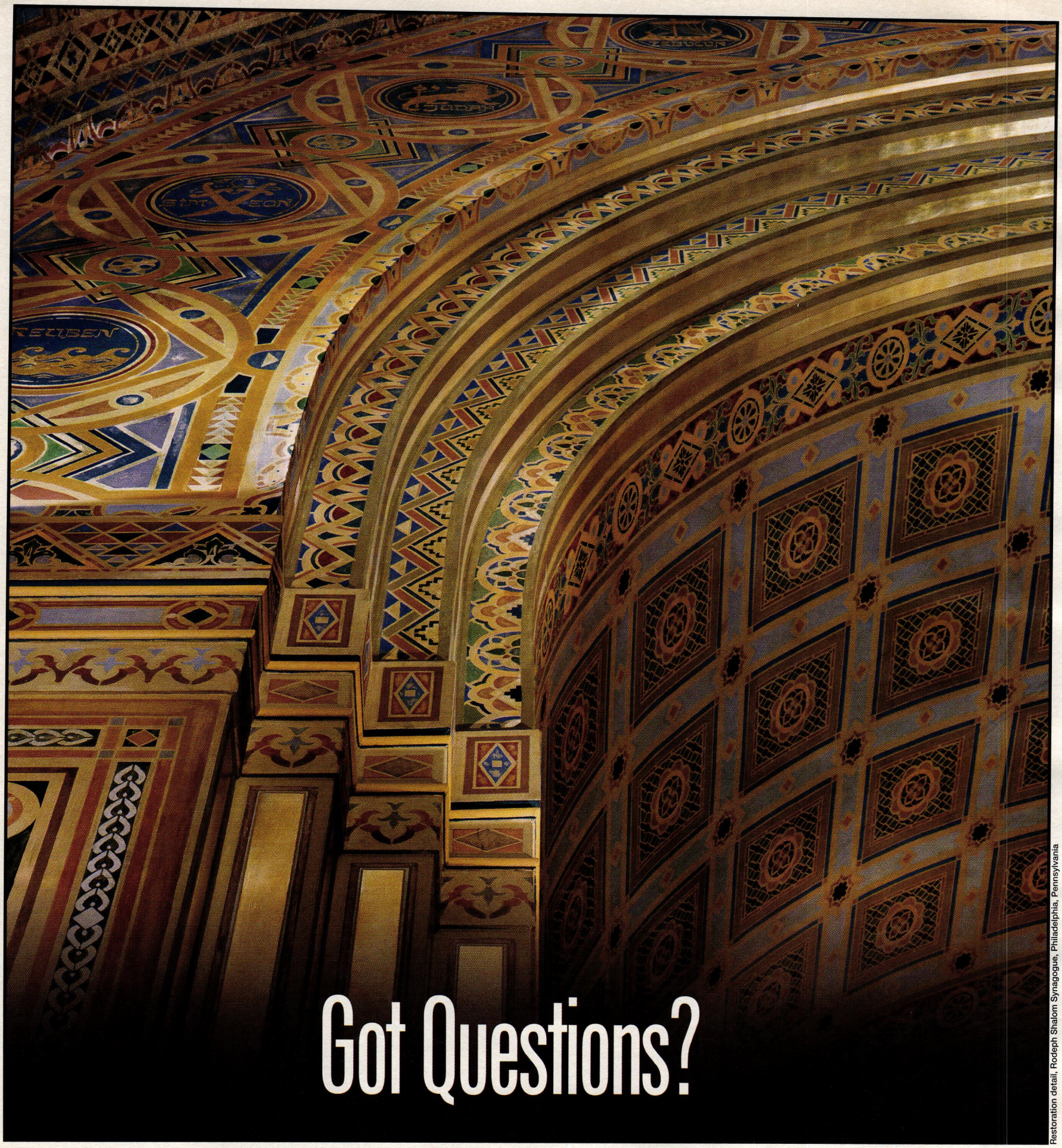
RAMBUSCH
SINCE 1898

LIGHTING | CUSTOM LIGHTING | ARCHITECTURAL CRAFT

Workshops 160 Cornelison Avenue, Jersey City, NJ 07304 **T** 201.333.2525

www.rambusch.com

KEY IN NO. 8002 FOR DECORATING & NO. 6310 FOR LIGHTING



Restoration detail, Rodeph Shalom Synagogue, Philadelphia, Pennsylvania

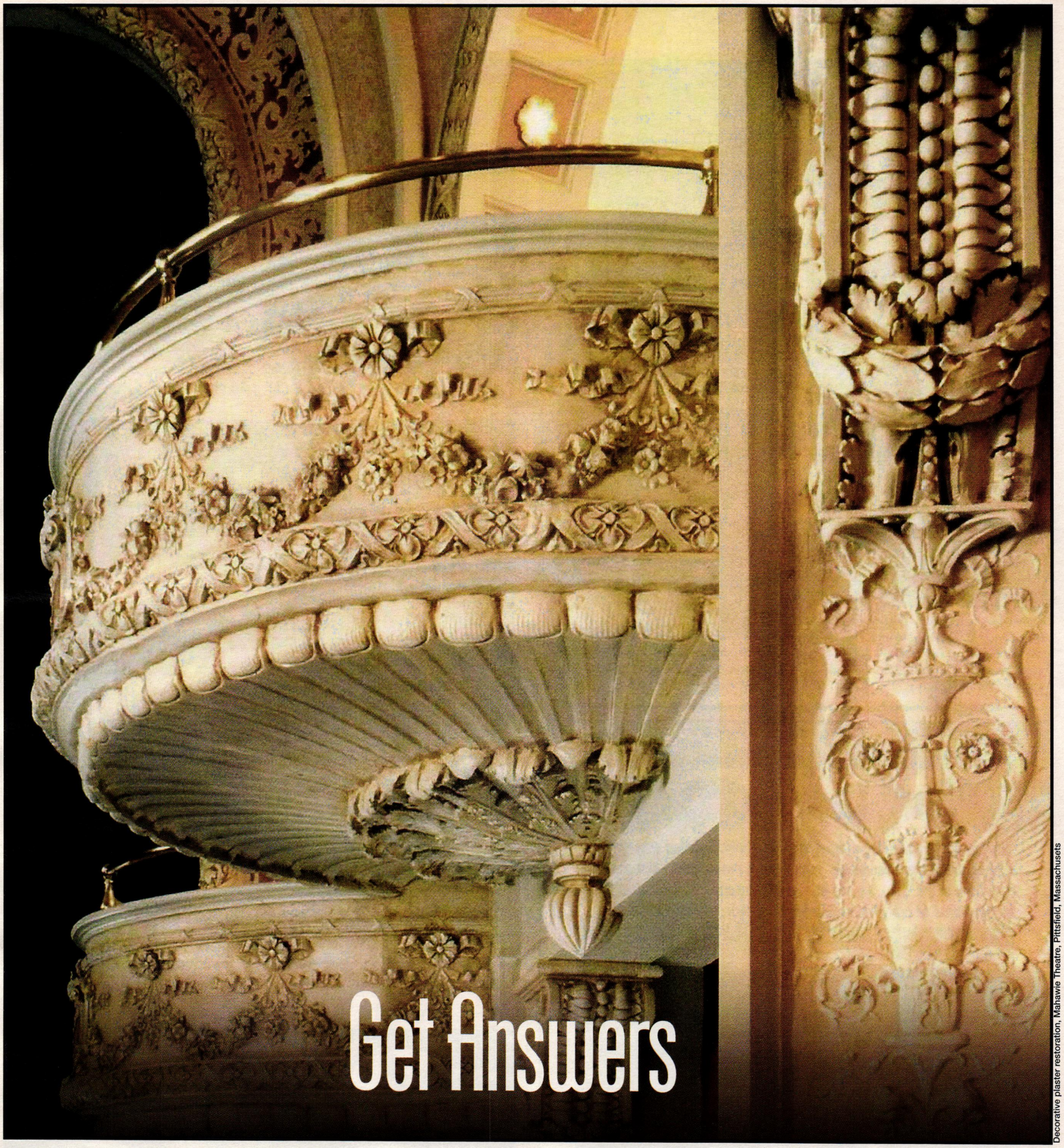
Everybody has questions – Why are we here? Can I get in trouble for this? Where are my keys? For those questions, you might want to look to a higher power. And there are people and places you can go to that help you do just that. We know. We've preserved, restored, and built some of the best of them (see above).

Now, if you have questions about historic preservation, plaster, decorative painting, stone, wood, metal leafing you need to look no further. We know this stuff inside and out (literally, inside and outside). We even know the questions you haven't thought of yet. And sometimes, those are the most important ones. Call us.

JOHN CANNING & CO LTD
PAINTING & CONSERVATION STUDIOS

203-272.9868 www.canning-studios.com

KEY IN NO. 5100



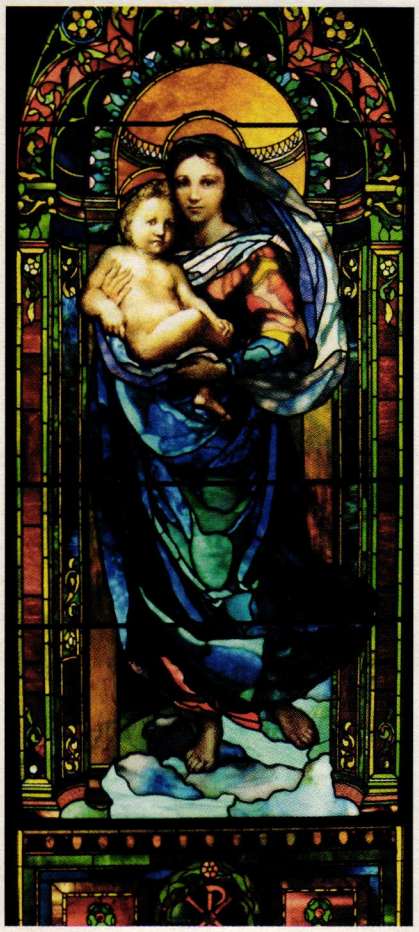
Decorative plaster restoration, Mahawie Theatre, Pittsfield, Massachusets

Everybody is looking for answers. But not all answers are created equal. Really. When you're looking for answers about historic preservation, plaster, decorative painting, stone, wood, metal leafing you need look no further. We know this stuff inside and out (literally, inside and outside).

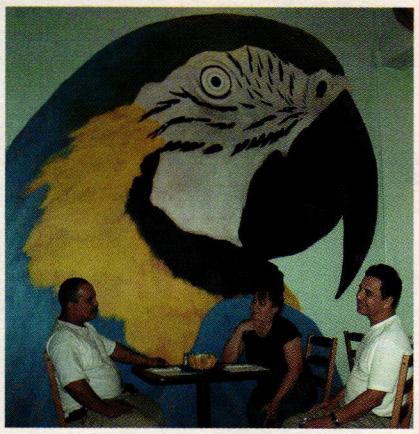
We also have the skilled artisans and decades of hands-on experience needed to execute those answers. We even have answers for the questions you haven't thought of yet. And sometimes, those are the most important ones. Call us. See? Now you have the answer to who should you call?

JOHN CANNING & CO LTD
PAINTING & CONSERVATION STUDIOS

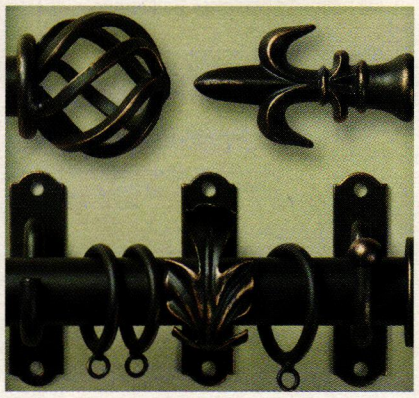
203-272.9868 www.canning-studios.com
KEY IN NO. 5100



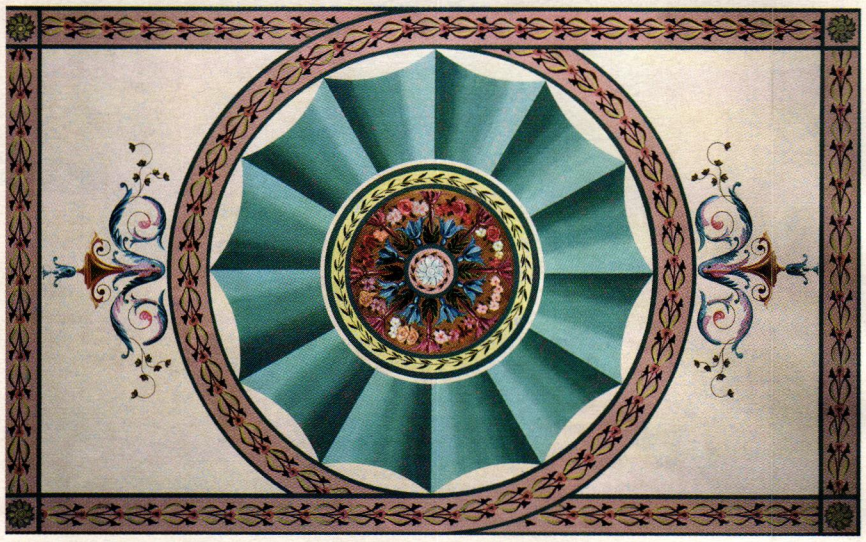
Serpentino restored this1891 opalescent glass window, "Sistine Madonna," originally designed and fabricated by John La Farge, for a new chapel at Salve Regina University in Newport, RI.



Painted by **Lynne Rutter Murals & Decorative Painting**, "Diego," a giant blue and gold macaw parrot, watches over patrons at the New Spot restaurant in San Francisco. *Key in no. 4710*

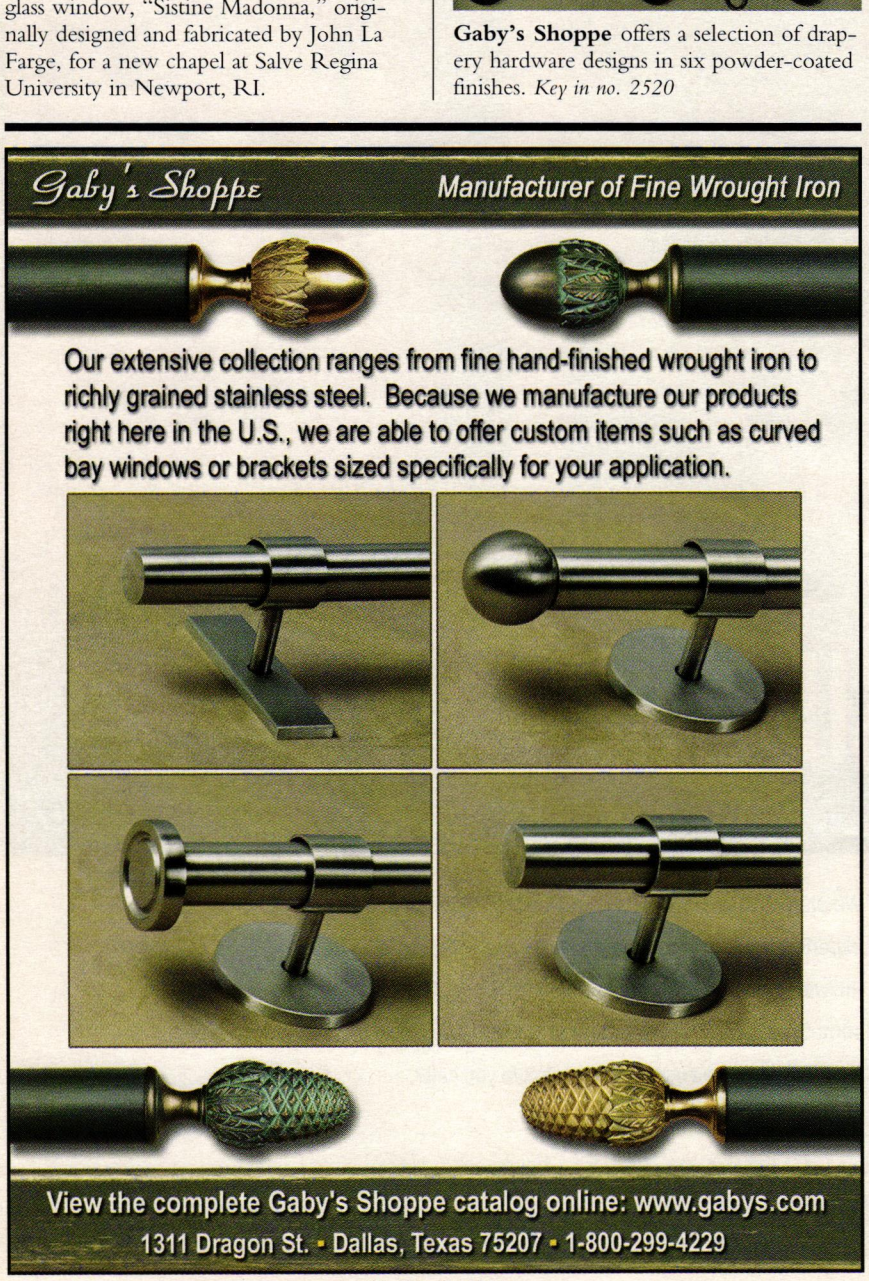


Gaby's Shoppe offers a selection of drapery hardware designs in six powder-coated finishes. *Key in no. 2520*



This floral fan design was created by **Canning Studios**. *Key in no. 5100*

This turtle sculpture was fabricated by **Slate Affair**. *Key in no. 1999*



KEY IN NO. 2520

KEY IN NO. 4710

The 2011 PALLADIO AWARDS

Honoring Excellence
in Traditional Commercial,
Institutional & Public Design

Co-produced by *Traditional Building*
and *Period Homes*
and the Traditional Building
Exhibition and Conference

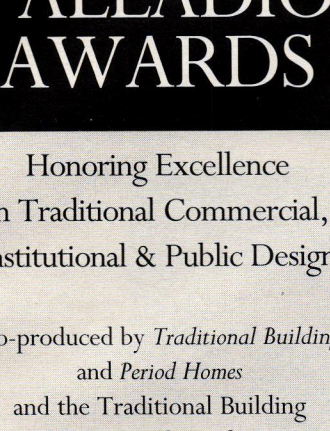
Palladio awards for
Commercial, Institutional &
Public Architecture will be
considered in five categories:

- Restoration & Renovation
- Adaptive Reuse &/or
  Sympathetic Addition
- New Design & Construction –
  less than 30,000 sq.ft.
- New Design & Construction –
  more than 30,000 sq.ft.
- Public Spaces: Parks, Plazas,
  Gardens, Streetscapes

The deadline for entries is
November 19, 2010.

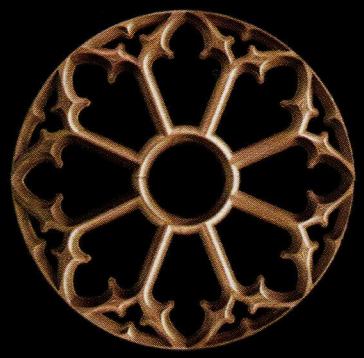
For details on the awards program,
judging criteria, submission
requirements and deadlines, go to

www.palladioawards.com



ROHLF'S STUDIO - SINCE 1920
DEDICATED TO PRESERVING AMERICA'S HERITAGE

CATHEDRAL OF ST. JOHN THE DIVINE, ST SAVIOUR'S CHAPEL - NEW YORK, NY



WOOD REPLICATION,
NEW MAHOGANY FRAMES

KINDLY VISIT OUR WEB SITE - ROHLFSTUDIO.COM - FOR
ADDITIONAL INFORMATION ON OUR FULL RANGE OF SERVICES.

ROHLF'S STAINED & LEADED GLASS, INC.
783 SOUTH THIRD AVE.- MT. VERNON, NY
CALL TOLL FREE 800-969-4106,
FAX- 914-699-7091,
E-MAIL - ROHLF1@AOL.COM

EST. 1920 ROHLF STUDIO

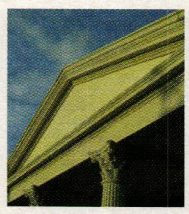
PAYNE STUDIOS OF NEW JERSEY
An Affiliate of Rohlf's Studio, Inc.

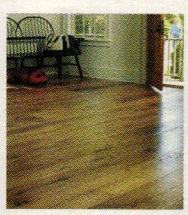
THE WINDOW SHOWN AT RIGHT & ABOVE
WAS COMPLETELY RESTORED AFTER BEING
SEVERELY DAMAGED BY A TORNADO. LARGE
AREAS REQUIRED TOTAL REPLICATION

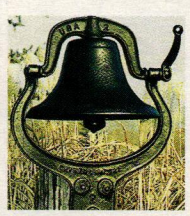
ST. TERESA OF AVILA - SLEEPY HOLLOW, NY.

KEY IN NO. 6240

TRADITIONAL PRODUCT
Galleries
www.traditionalproductgalleries.com



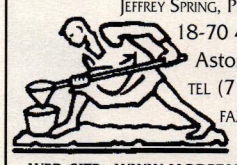




The world of traditional products is wide and
wonderful. Traditional Product Galleries makes
finding the right items easy – and interesting.

Modern Art Foundry
Serving Artists & Communities Since 1932

COMPLETE SCULPTURE SERVICES
CASTING IN ALL NON-FERROUS ALLOYS
MAINTENANCE CONSERVATION
RESTORATION ALL PATINAS ENLARGEMENTS
COMMEMORATIVE DESIGN FREE ESTIMATES



JEFFREY SPRING, PROJECT MANAGER
18-70 41st Street
Astoria, NY 11105
TEL (718) 728-2030
FAX (718) 267-0819

WEB SITE: WWW.MODERNARTFOUNDRY.COM

KEY IN NO. 1810

Columns & Capitals

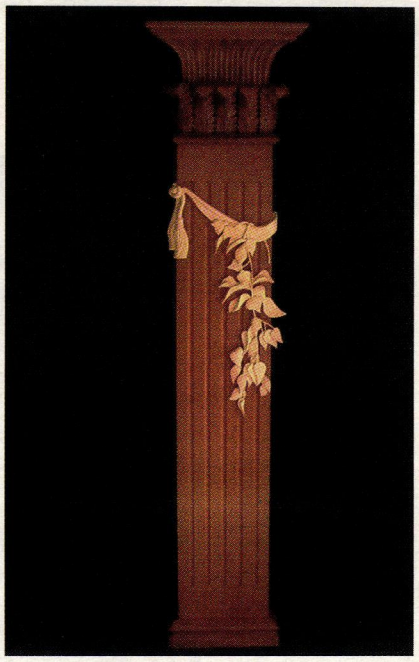
To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

1.800.Columns' Tuscan non-tapered Architectural Polystone pilasters frame this Serliana window. *Key in no. 1580 for PolyStone; 180 for wood*

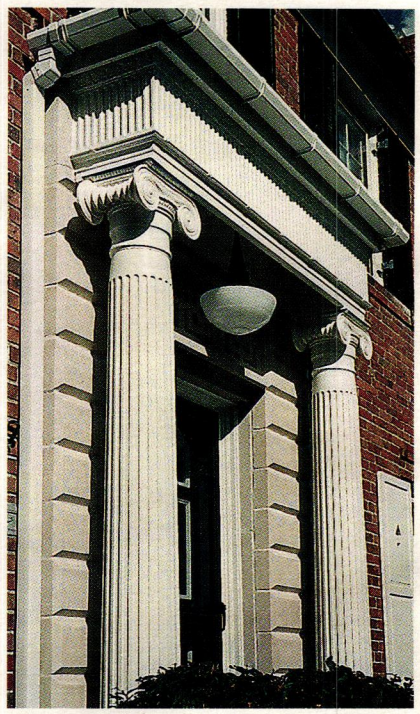
These elegant fluted columns were supplied by **Haddonstone**. *Key in no. 4020*

Stain-grade classic columns and capitals are available from **Outwater** in North American red oak, mahogany, maple or cherry in plain or fluted formats; all feature true entasis. *Key in no. 1088*

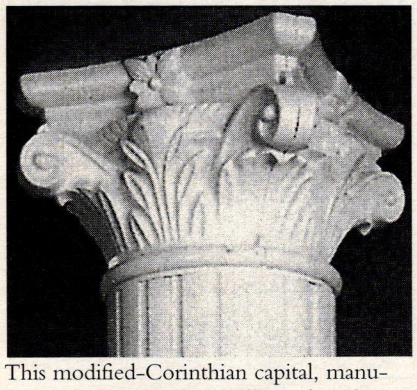
This capital was carved in basswood by **Frederick Wilbur – Woodcarver**. *Key in no. 1650*



Carol Balquist of **Balquist Carving Studio** fabricated this fluted column and carved the capital in mahogany; the floral decorative element is carved in basswood. *Key in no. 1274*

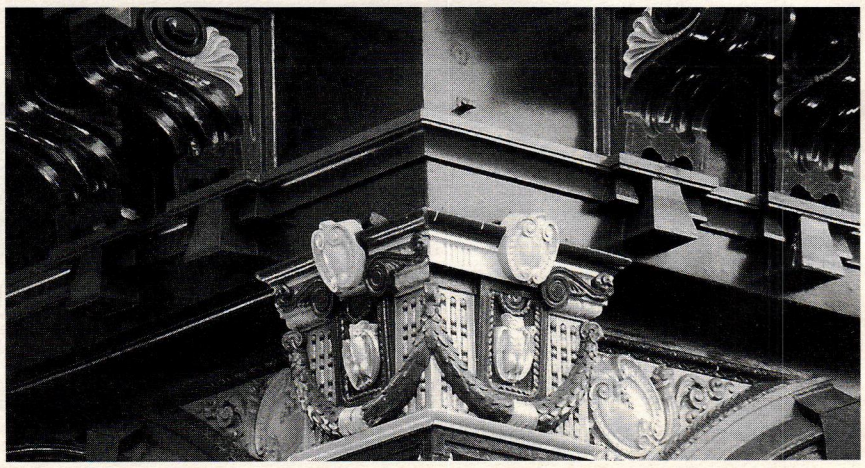


The capitals that crown these exterior columns were fabricated by **Fischer & Jirouch**. *Key in no. 1960*



This modified-Corinthian capital, manufactured by **Campbellsville Industries**, can be paired with 12-in. columns. *Key in no. 2730*

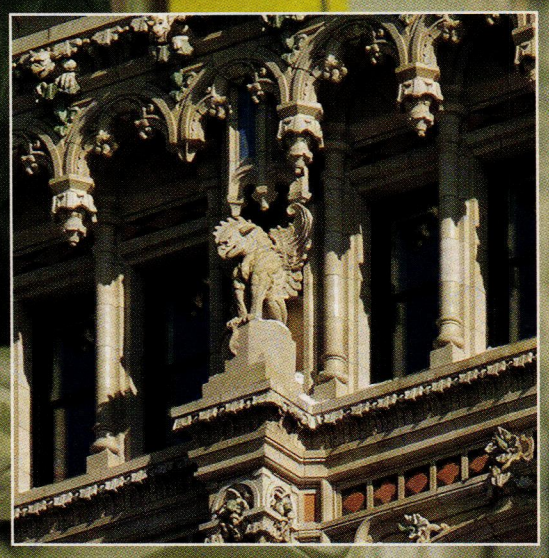
Aristone Designs' precast fluted Corinthian columns are available in concrete or GFRC for exterior applications. *Key in no. 1555*

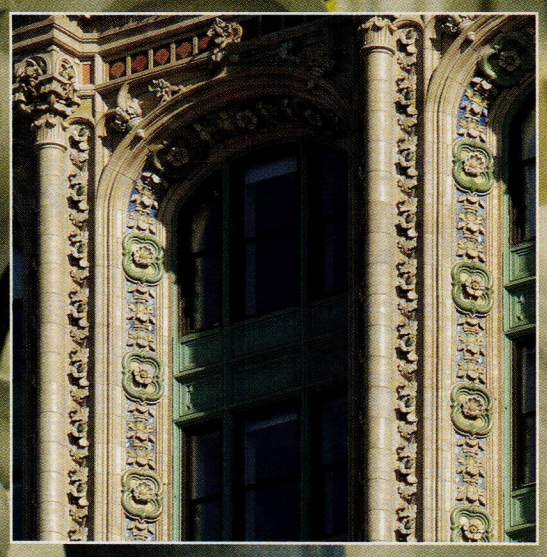


DeAngelis Iron Work produces custom ornamental metalwork, such as this capital. *Key in no. 1023*

Recreating The Past Shaping The Future

As the nation's most specialized Architectural Terra Cotta manufacturer, we provide a comprehensive team of Artisans, Architects, and Engineers who are committed to detailed craftsmanship, quality, and service in Historical Restoration and New Construction. BVTC's diverse terra cotta lines include Architectural Terra Cotta, Roof Tile and TerraClad™ Ceramic Rainscreen Systems.





Boston Valley Terra Cotta

6860 South Abbott Road Orchard Park, New York 14127 1.888.214.3655 BostonValley.com

Architect: **Façade Maintenance Designs** Contractor: **Seaboard Weatherproofing & Restoration Company** Restoration Project: **90 West NewYork, NY**

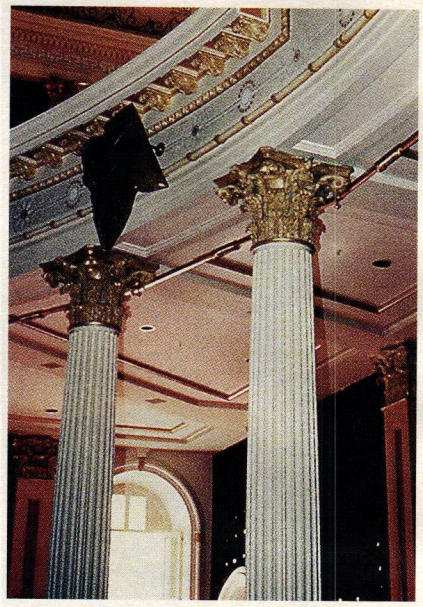
KEY IN NO. 160

Building Photos: **Justin Van Soest**

This plaster capital from **Felber Ornamental Plastering Corp.** measures 6½ in. tall x 6⅜ in. wide and projects ⅝ in. *Key in no. 2890*

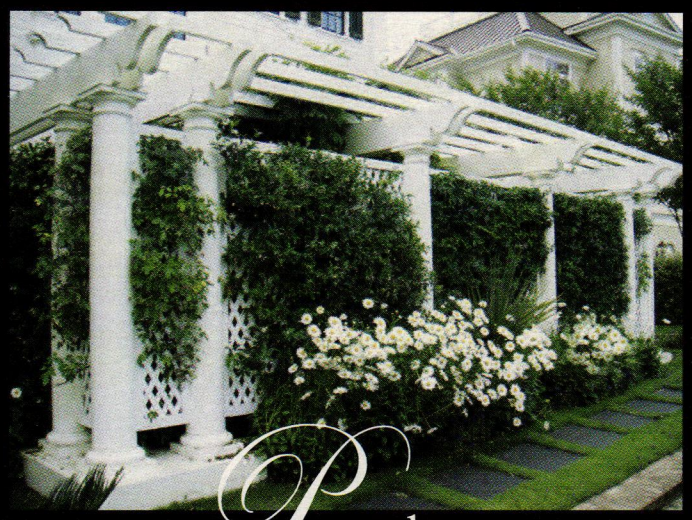
Heather & Little fabricated this copper capital. *Key in no. 2470*

Goodwin Associates supplied the columns and capitals for this restaurant. *Key in no. 806*



Custom columns and capitals from **Historical Arts & Casting** can be used in a variety of applications. *Key in no. 1210*

These columns and capitals are manufactured by **Chadsworth Columns**. *Key in no. 1580 for PolyStone; 180 for wood*



Pergolas

COLUMNS • RAFTERS • PURLINS • LINTELS

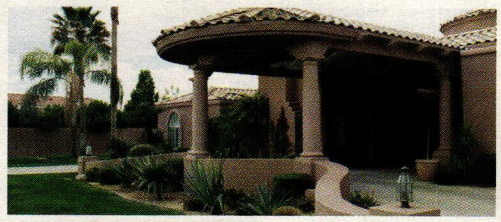
Combine our award-winning PolyStone® Columns for a completely customized pergola– ***unique to your specifications.***

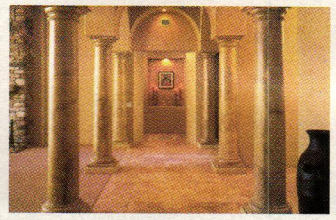
CHADSWORTH INCORPORATED ®
columns.com

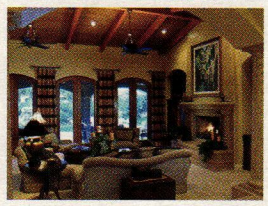
277 NORTH FRONT STREET • WILMINGTON, NC 28401 • 800.486.2118

KEY IN NO. 1580 FOR POLYSTONE & NO. 180 FOR WOOD

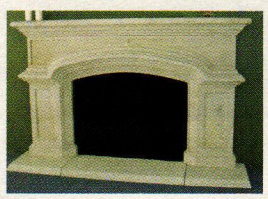
Aristone® Designs, Inc.

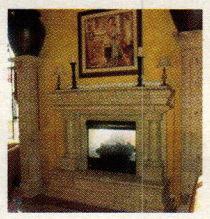






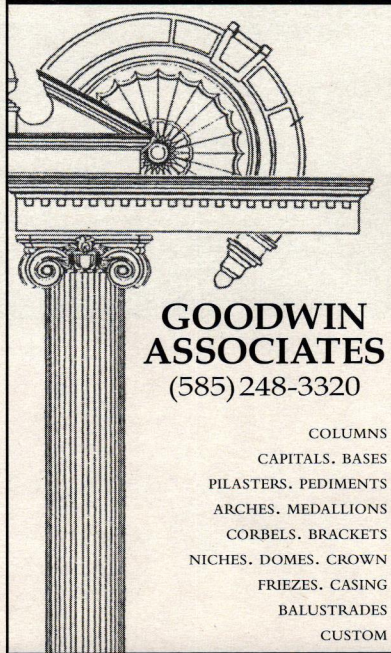
Since 1964 Aristone® has been producing high quality precast products in concrete, plaster and GFRC. We offer a full line of products including columns, mantels, balustrade and trim. All products are available in various colors and finishes.
Custom reproductions and original designs can be produced by our mold shop to your specifications. Aristone® now features Turncraft® columns in FRP (Fiberglass Reinforced Polymer)





Shipping Nationwide
1615 E.Weber Dr.
Tempe AZ 85281
480-967-3035/1-800.369.8118
fax 480-967-1181
www.aristonedesigns.com

KEY IN NO. 1555



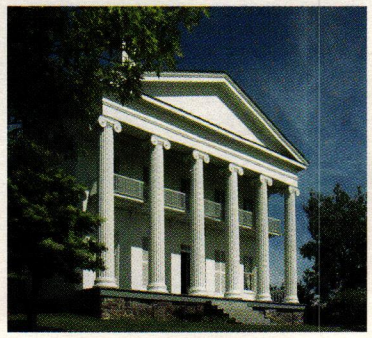
GOODWIN ASSOCIATES
(585) 248-3320

COLUMNS
CAPITALS. BASES
PILASTERS. PEDIMENTS
ARCHES. MEDALLIONS
CORBELS. BRACKETS
NICHES. DOMES. CROWN
FRIEZES. CASING
BALUSTRADES
CUSTOM

www.goodwinassociates.com • Fax: (585) 387-0153

KEY IN NO. 806

CONSIDERING A PRESERVATION CAREER?



Visit the
National Council for Preservation Education
on-line guide to academic programs, jobs and internships in preservation

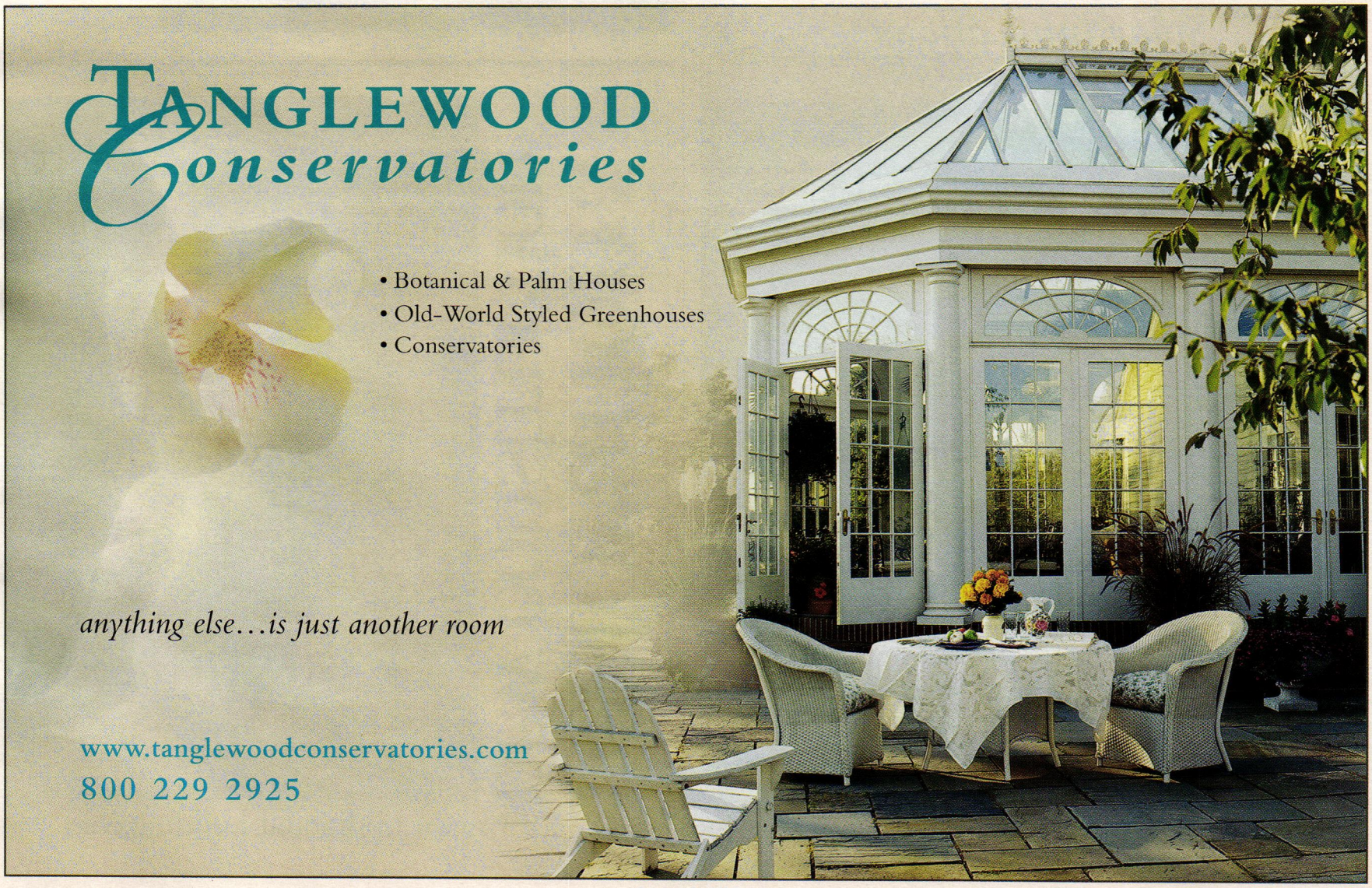
www.ncpe.us

Conservatories & Outbuildings

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

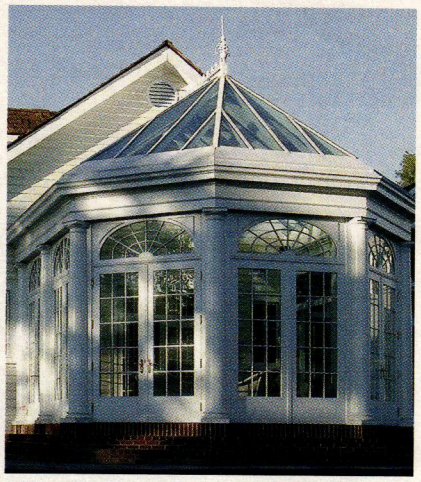
Wiemann Metalcraft fabricated this gazebo, fence and trellis in cast and wrought iron. *Key in no. 1223*

Solar Innovations custom manufactured this penthouse conservatory with decorative raised panels, divided transom, ridge cresting and finials. *Key in no. 1174*



KEY IN NO. 8270

Haddonstone fabricated this large Classical pavilion, model #L9100. *Key in no. 4020*



This conservatory is typical of **Tanglewood Conservatories**' structures, which are individually designed, handcrafted and installed. *Key in no. 8270*

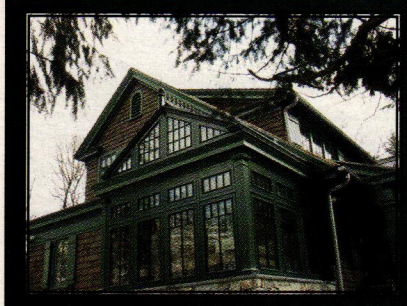
Working from photographs, **Robinson Iron Corp.** re-created the original subway entrance at Astor Place in New York City. *Key in no. 3240*

This carriage house was built using a kit from **Country Carpenters**. *Key in no. 1439*

This mahogany conservatory was designed and built by **Renaissance Conservatories**. *Key in no. 378*

Solar Innovations®

Limited Only by Imagination



Create the ultimate extension between your traditional living space and the outdoors with a custom designed and manufactured glazed structure, skylight, door, or window by Solar Innovations, Inc. Our dedicated team will work through the planning and design process with you to maintain architectural integrity and to make your dreams come true.

Our product line includes:

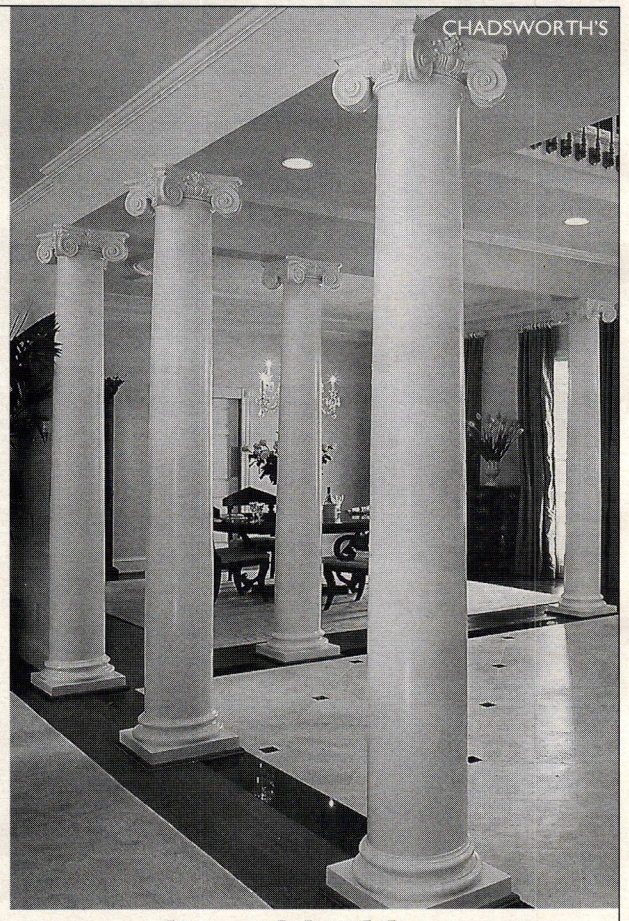
* *Horticultural Greenhouses*
* *Traditional Conservatories*
* *Pool & Spa Enclosures*
* *Skylights*
* *Folding Glass Walls*
* *Sliding Glass Doors*
* *Stacking Glass Walls*
* *Custom Windows and Doors*

Contact our Design Technicians to receive a complementary quote that exceeds your expectations today!

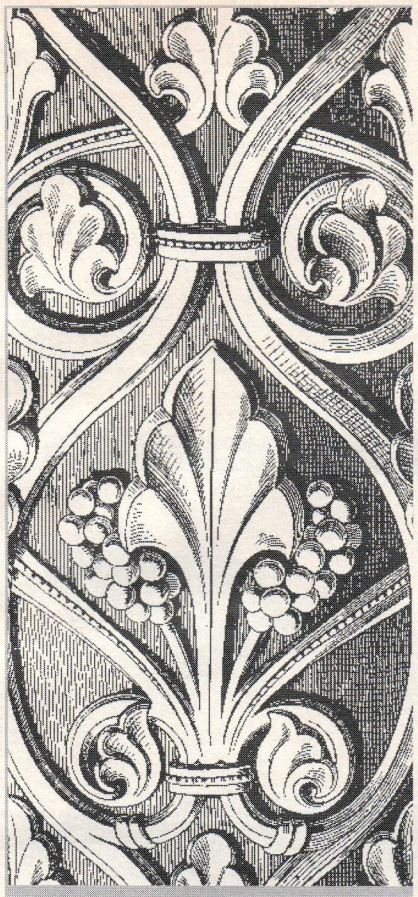
31 Roberts Road Pine Grove, PA 17963
Tel: 800-618-0669 Fax: 800-618-0743
www.solarinnovations.com skylight@solarinnovations.com

KEY IN NO. 1174

restoration & new construction



www.traditional-building.com



Surf
the
Industry

Online data & links for over 673 suppliers of products & services for restoration, renovation and historically inspired new construction for civic & commercial projects.

www.traditional-building.com

DISCOVER THE
Renaissance Lifestyle

RENAISSANCE CONSERVATORIES
Every Room Is An American Original©

Call for your Complimentary Copy
of our Architect's Design Guide

800-882-4657

www.RenaissanceConservatories.com

Lanterns - Skylights - Glass Roofs - Domes - Conservatories

KEY IN NO. 378

tradweb
CUSTOM BUILDING & RESTORATION SERVICES

Announcing a New Way to...
- Get More, Better Clients Coming to You
- Find the Specialized Custom Services You Need

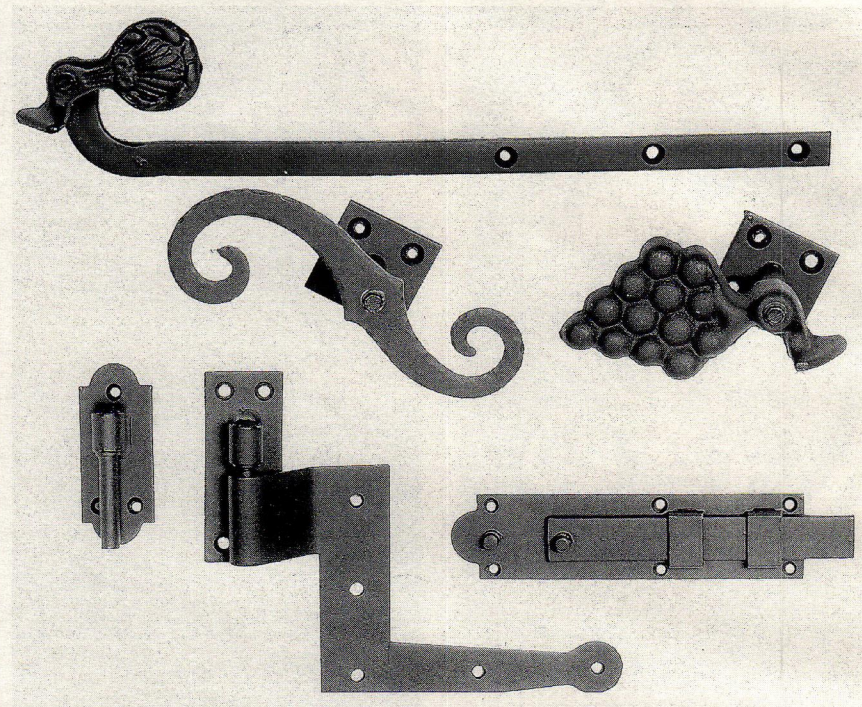
www.TradWebDirectory.com

Doors, Windows, Shutters & Hardware

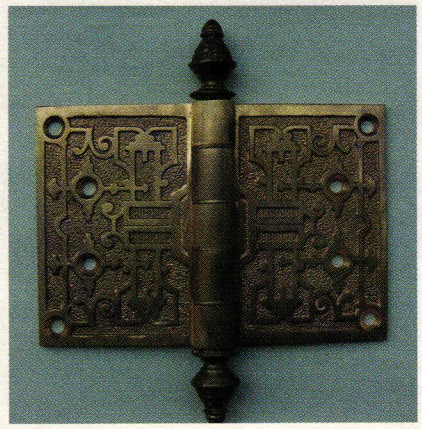
To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

Period-style hardware, such as these door handles and escutcheons, is available from **Al Bar-Wilmette Platers**. *Key in no. 2636*

Accurate Lock & Hardware supplies a variety of locks and custom architectural hardware. *Key in no. 1997*



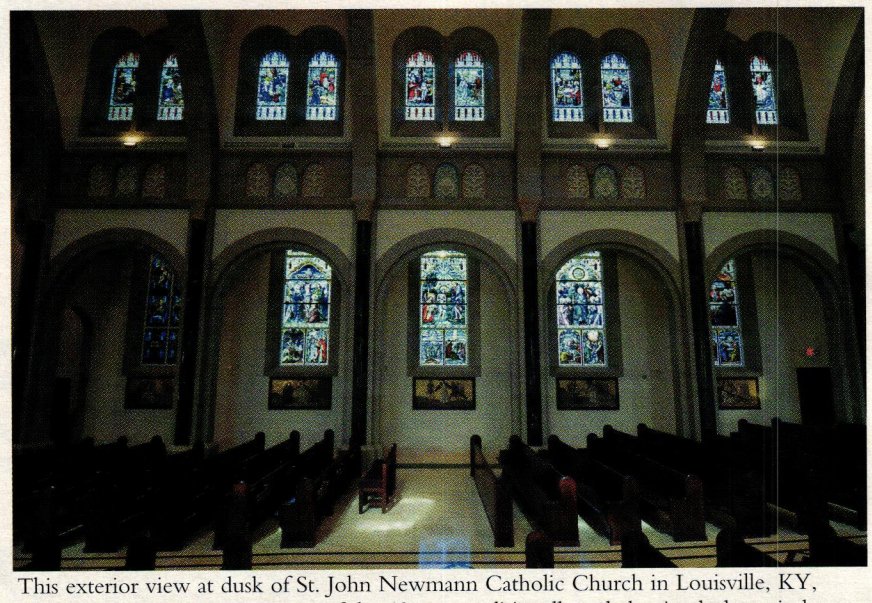
This collection of shutter hardware is available from **Outwater** in wrought iron. *Key in no. 1088*



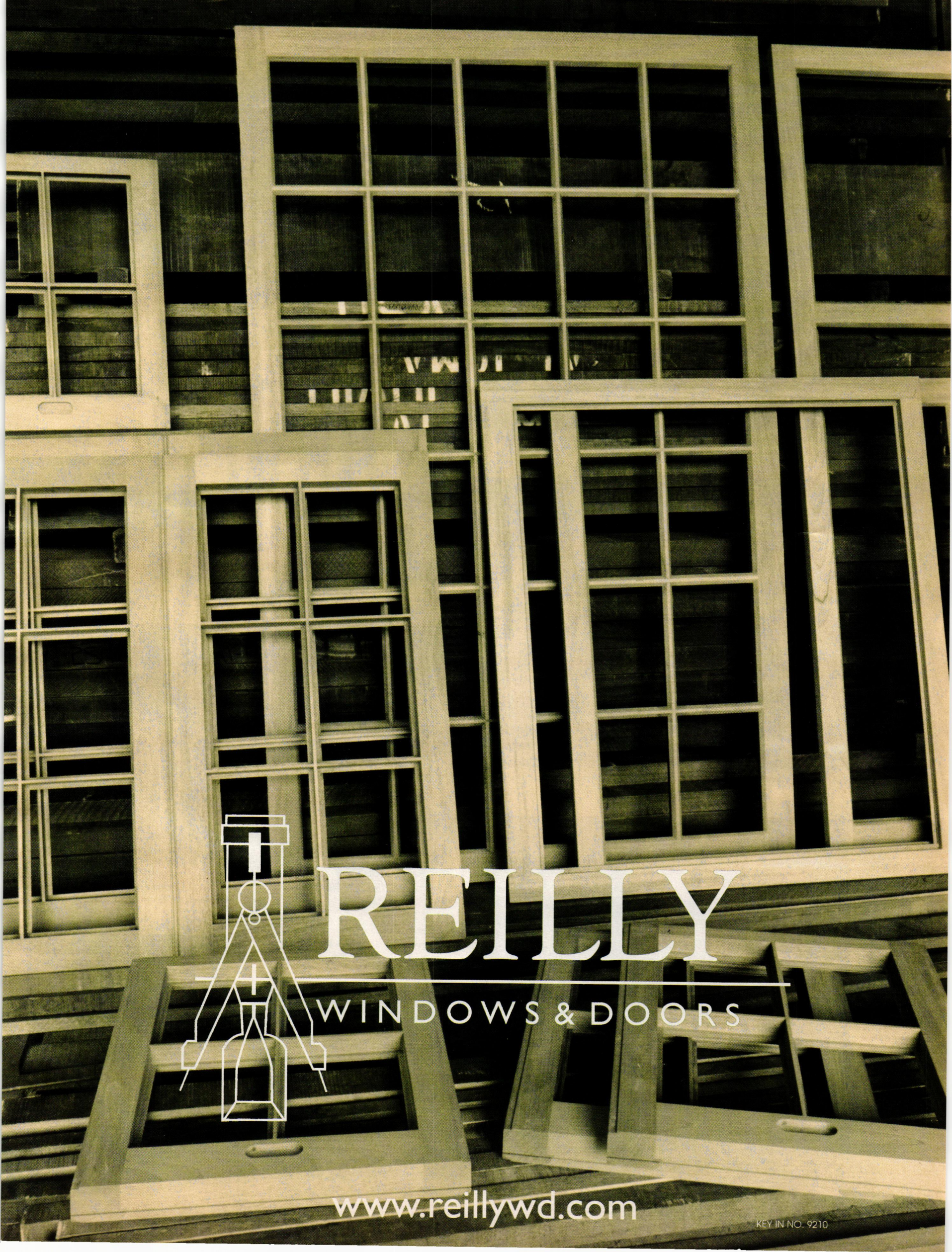
This custom bronze door hinge was fabricated by **Architectural Resource Center**. *Key in no. 1670*

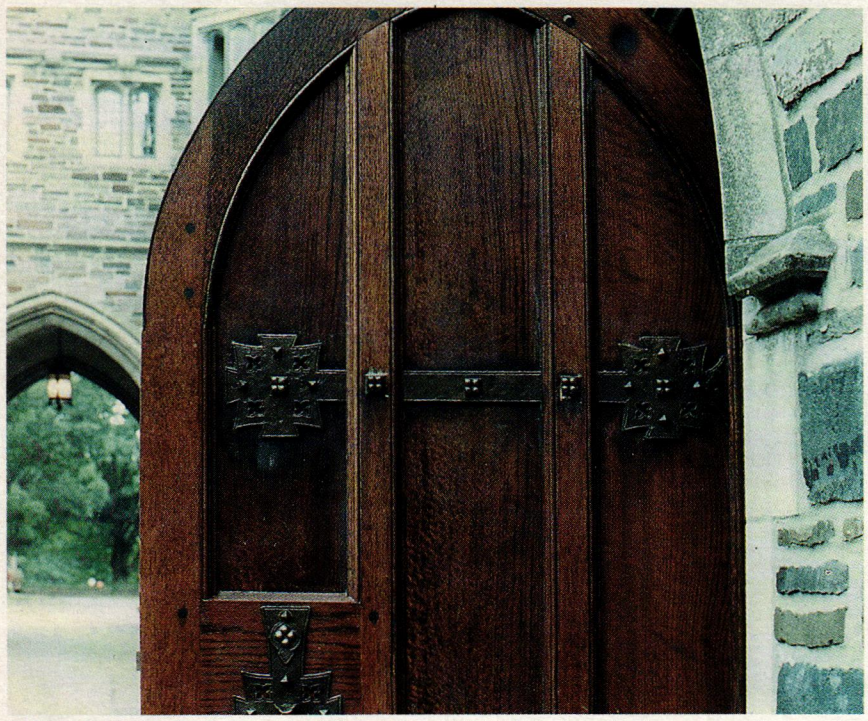
This doorknob, model #CK-103S, was fabricated by **Brusso**. *Key in no. 1836*

Allied Window supplied an array of its Allied-One-Lite (AOL-C) windows for historic Faneuil Hall in Boston, MA. *Key in no. 690*



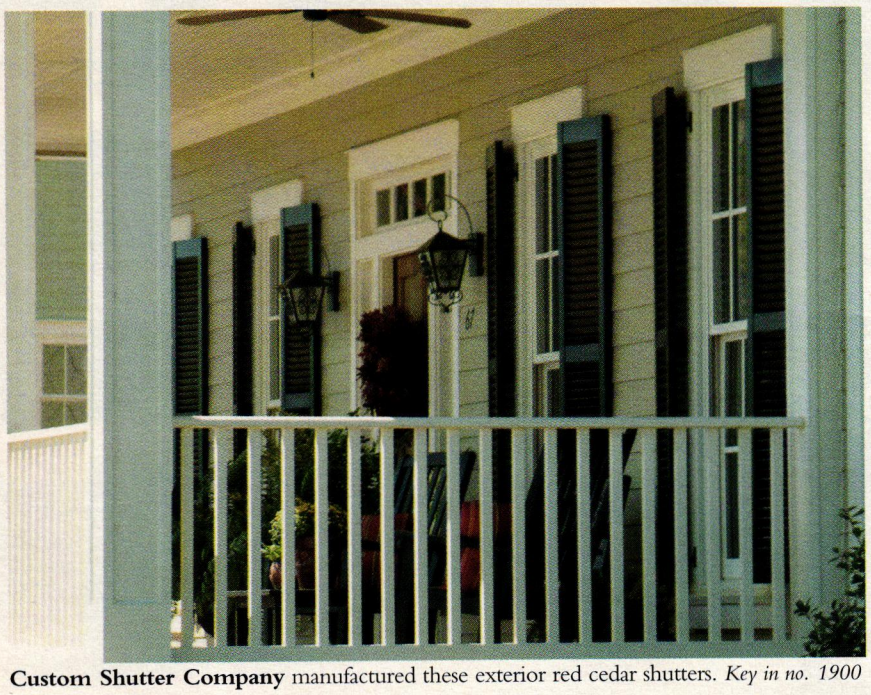
This exterior view at dusk of St. John Newmann Catholic Church in Louisville, KY, highlights the dramatic presence of the 48 new traditionally styled stained-glass windows created by **Conrad Schmitt Studios**. *Key in no. 1841*


REILLY
WINDOWS & DOORS
www.reillywd.com
KEY IN NO. 9210

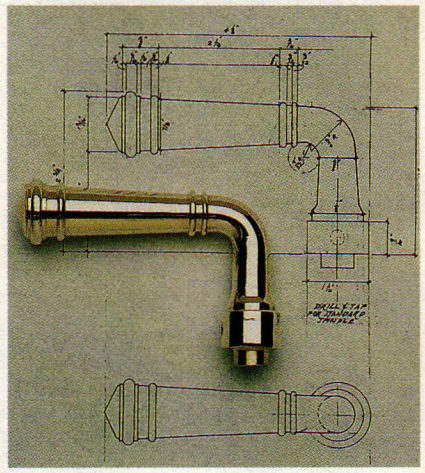


Ball & Ball Hardware supplies Victorian and Early American hardware reproductions in brass, cast iron, bronze, wrought iron and steel. *Key in no. 2930*

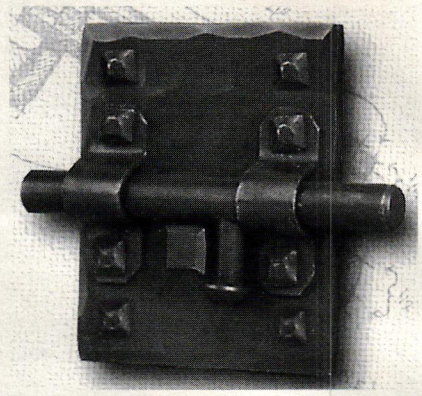
Interior storm windows from **Cityproof** are designed to reduce noise infiltration. *Key in no. 2390*



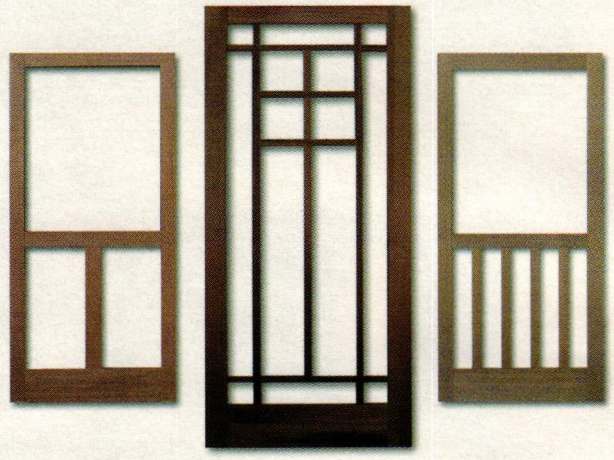
Custom Shutter Company manufactured these exterior red cedar shutters. *Key in no. 1900*



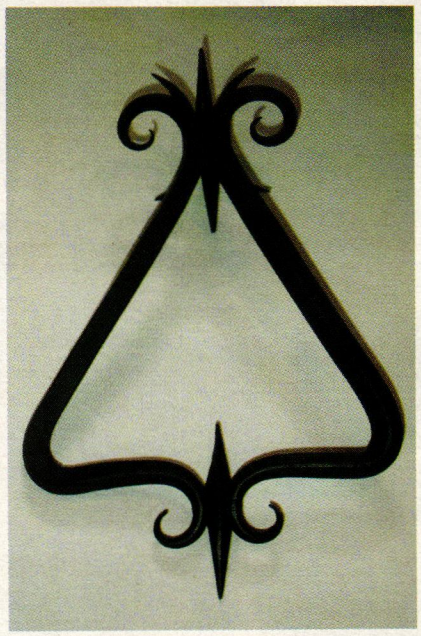
E.R. Butler & Co. manufactured this Early American-style brass handle. *Key in No. 2260*



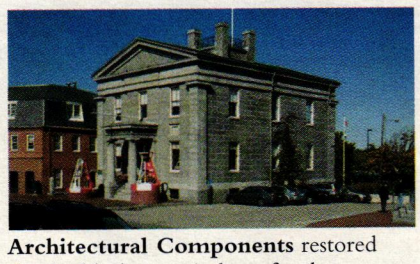
Craftsmen Hardware's 2-in. edge bolt comes with either the pyramid-head nails seen here or round-head wood screws. *Key in no. 6980*



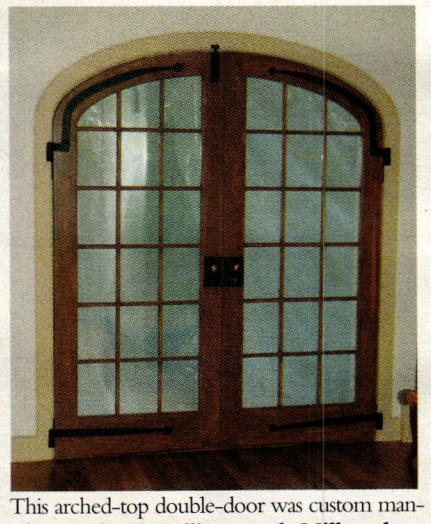
These are just a few of the wood screen and storm doors available from **Coppa Woodworking**. *Key in no. 9600*



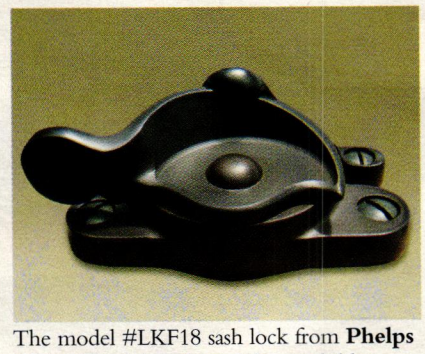
This triangular door knocker was manufactured by **Kayne & Son**. *Call for more information.*



Architectural Components restored the double-hung windows for the Customs House Maritime Museum in Newburyport, MA; the windows feature laminated single-pane glass and are counter-balanced with weights and pullies. *Call for more information.*



This arched-top double-door was custom manufactured by **Jim Illingworth Millwork**. *Key in no. 1696*



The model #LKF18 sash lock from **Phelps Company** is hot forged from solid brass and hand finished; the internal double-spring mechanism is made of stainless steel. *Key in no. 6001*

WHERE ARCHITECTURE BEGINS

HANDMADE IN OUR FOUNDRY AND ATELIER

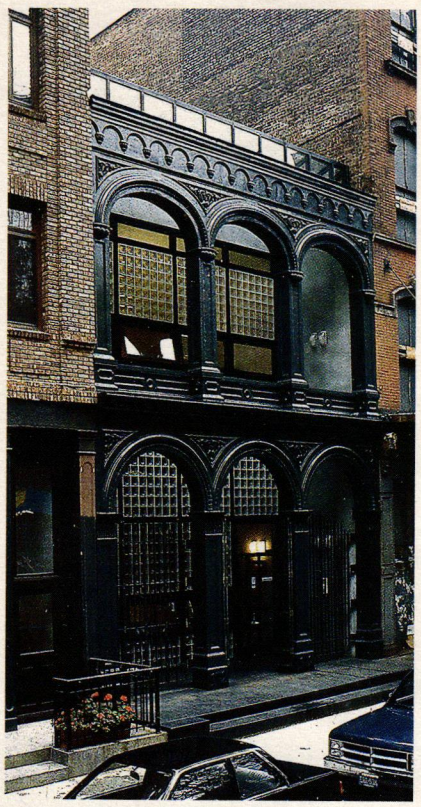
NEW YORK | LONDON | LOS ANGELES

SA BAXTER
ARCHITECTURAL HARDWARE

www.sabaxter.com | hardware@sabaxter.com
800.407.4295 | 212.203.4382 | 44.208.196.2410 UK

KEY IN NO. 1995

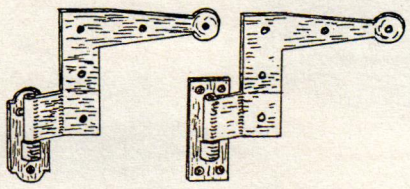
This hollow metal window was built by **Heather & Little** for the Robeling Museum in New Jersey. *Key in no. 2470*



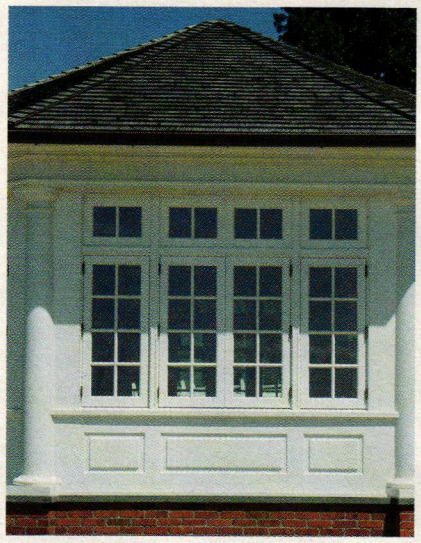
Historical Arts & Casting designs, manufactures and installs metal doors, windows and other exterior elements. *Key in no. 1210*

Grabill restored the historic windows for this historic church in Concord, MI. *Key in no.1910*

Innerglass Window Systems created this custom interior storm window, which is designed to eliminate drafts and reduce sound infiltration. *Key in no. 909*

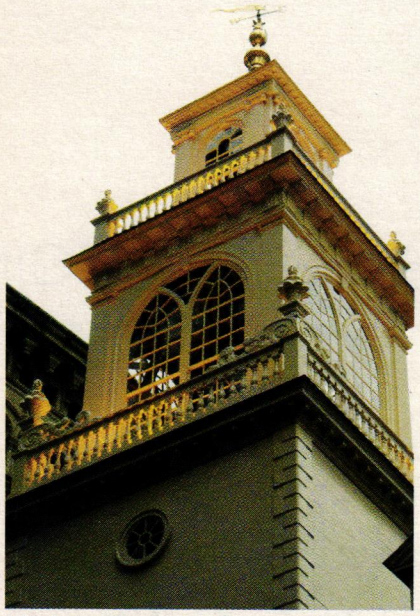


Gate hardware from **James Peters & Son** is manufactured in wrought steel with a black finish.

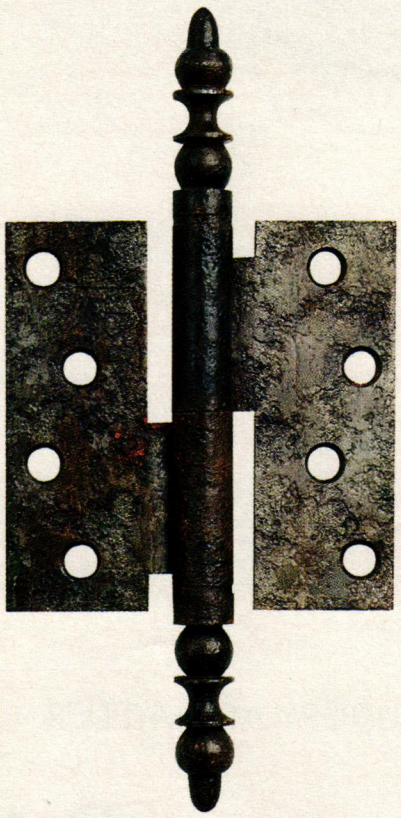


Reilly Windows & Doors manufactured and installed this window. *Key in no. 9210*

Notting Hill offers a wide selection of hardware, including the Portobello Road Suite, King's Road Collection shown here. *Key in no. 319*



M&A Architectural Preservation completed restoration of the tower windows and façade at Boston's Old State House. *Key in no. 955*



European Hardware & Finishes/ Gerber Hinge supplies this rusted-iron hinge with cap. *Key in no. 2540*

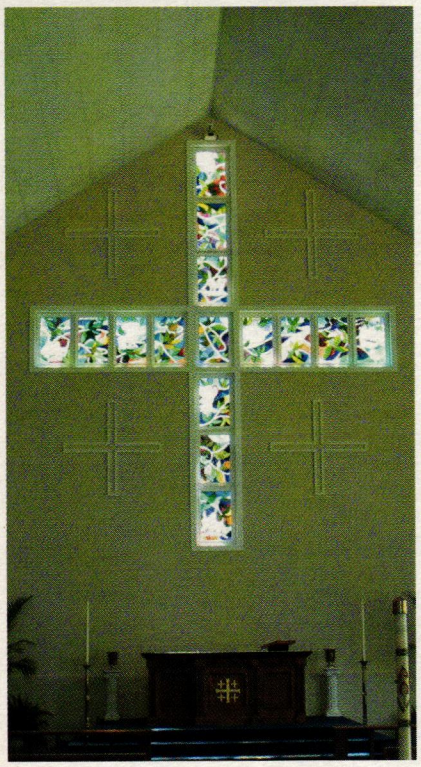
House of Antique Hardware offers a wide selection of antique reproduction entry hardware, as well as hardware for interior doors, cabinets, furniture and windows. *Key in no. 1096*

NEW YORK LOS ANGELES CHICAGO GREENWICH LONDON 212 367 7000 NANZ.COM

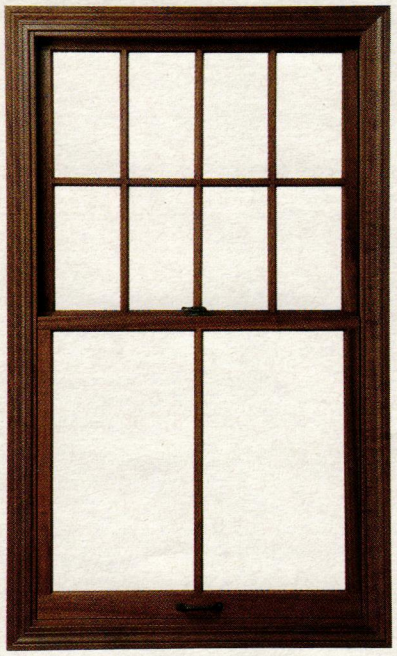
KEY IN NO. 1988

These windows were custom-made by **Marvin**. *Key in no. 1263*

Mon-Ray's aluminum and storm windows can be used in restoration and new construction projects. *Key in no. 1042*

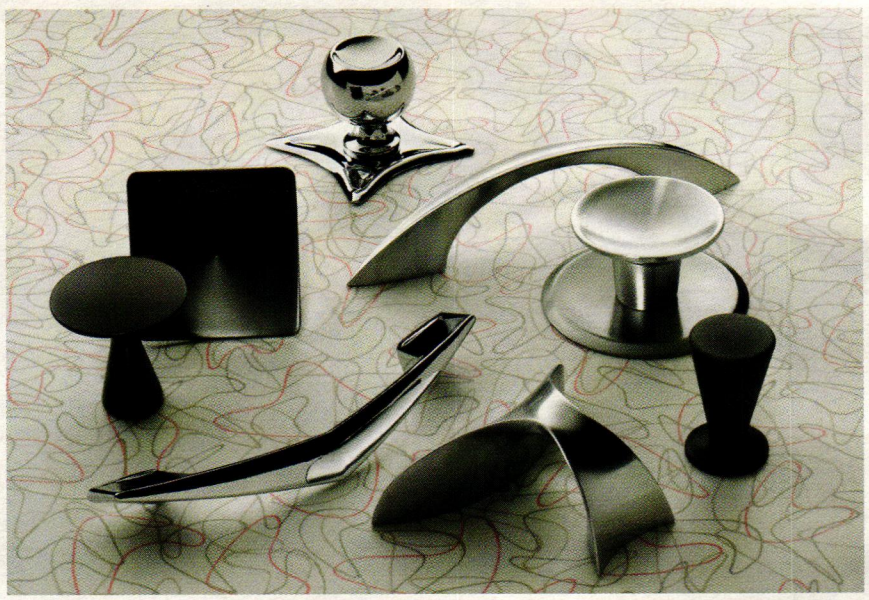


This ecclesiastical window framing system in Grace Lutheran Church in New York City was replaced by **Solar Innovations**. *Key in no. 1174*

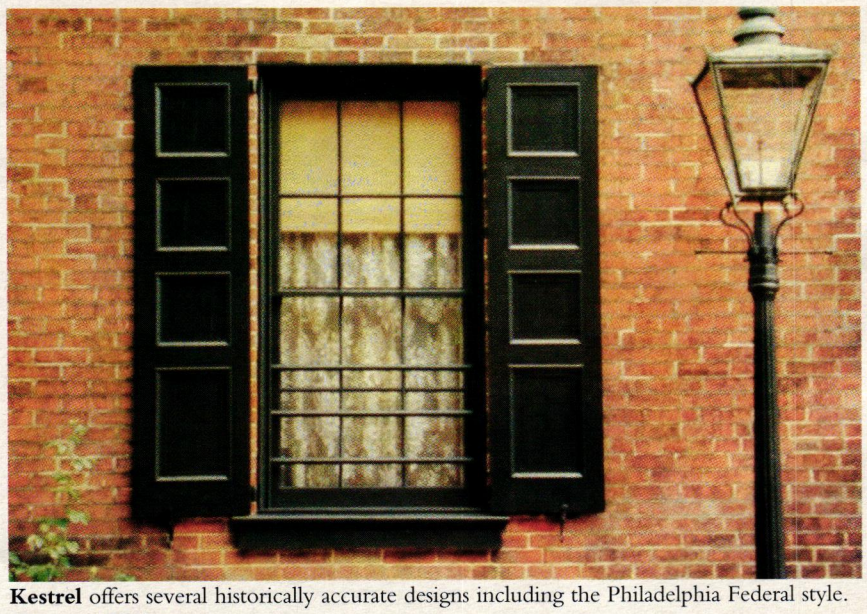


The Pella Architect Series double-hung window is available in many different types of wood, including the mahogany shown here. *Key in no. 1998*

Parrett Windows & Doors replicated the historical sash windows for the Dallas County Courthouse in Adel, IA. *Key in no. 3003*



Mid-century-Modern cabinet hardware is available from **Rejuvenation**. *Key in no. 7630*



Kestrel offers several historically accurate designs including the Philadelphia Federal style. *Key in no. 7990*

PELLA ADVANTAGE NUMBER 47:

HISTORIC RENOVATION EXPERTISE

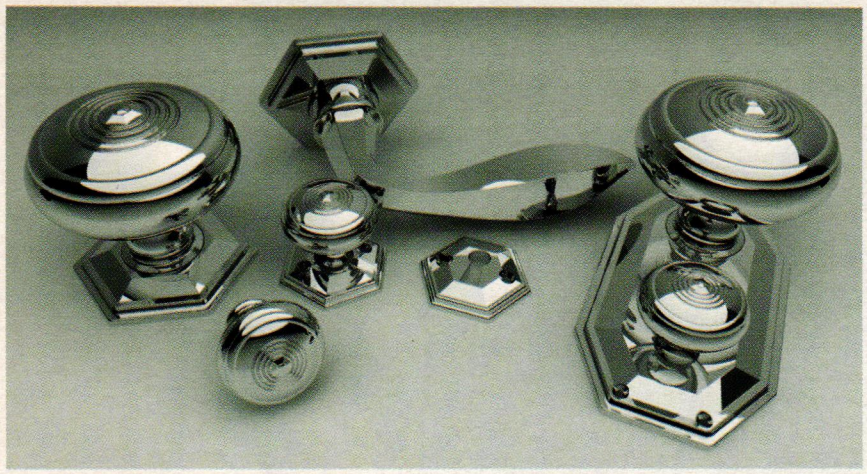
Utilicorp United World Headquarters
Kansas City, MO
National Register of Historic Places

Draw from Pella's generations of historic renovation expertise. Call **800-847-3772** to request your **FREE** *Pella® Commercial Products Guide*, or visit pellacommercial.com/cpg, and see how we've helped leading commercial architects and general contractors meet their project, application and budget needs since the 1940s. The wood, fiberglass and vinyl products, plus the technical support you need for your renovation project. That's The Power Of Yellow.®

Pella® COMMERCIAL

© 2010 Pella Corporation

KEY IN NO. 1998



SA Baxter offers a wide selection of high-end architectural hardware. *Key in no 1995*

Shuttercraft supplied and installed these shutters with a sailboat cut-out. *Key in no. 1321*

Door hardware in a variety of of standard and custom-plated finishes is available from **Nanz**. *Key in no. 1988*

Wiemann Metalcraft fabricated this bronze door featuring insulated glass. *Key in no. 1223*

Richards-Wilcox supplied the hardware for these bi-parting sliding doors. *Key in no. 1579*

Wood Window Workshop built this Spanish cedar double-hung window with true divided lights and weight-and-pulley counterbalances. *Key in no. 9640*

Parrett
Windows & Doors

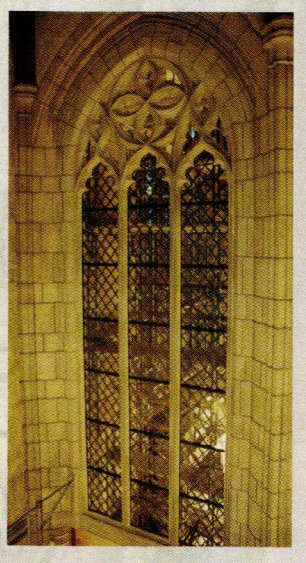
~ Quality Crafted Specialty Windows & Doors ~

HISTORIC RESIDENTIAL COMMERCIAL CHURCH

WHERE THE NON-STANDARD IS STANDARD

- Wood Windows or Doors
- Aluminum Clad Wood Windows
- Built to Specification
- Historically Accurate
- Euro or American Design
- Quality Materials
- Standard or Custom Profiles
- Superior Detailing
- Prefinishing Available
- Complete Units or Components

Since 1982, Parrett has offered a quality product that is produced with the highest grade materials and meticulous workmanship. Every window and door is custom made to the specifications of the customer. Whether you're looking for basic picture windows or are in need of a unique custom design, Parrett can be your one source solution.



WDMA Hallmark Certified · ENERGY STAR · NAHB · FSC "The Mark of Responsible Forestry" FSC Supplier - Cert no. SCS-COC-002386 © 1996 Forest Stewardship Council · NFRC National Fenestration Rating Council® · AIA Continuing Education · National Park Service · AMD

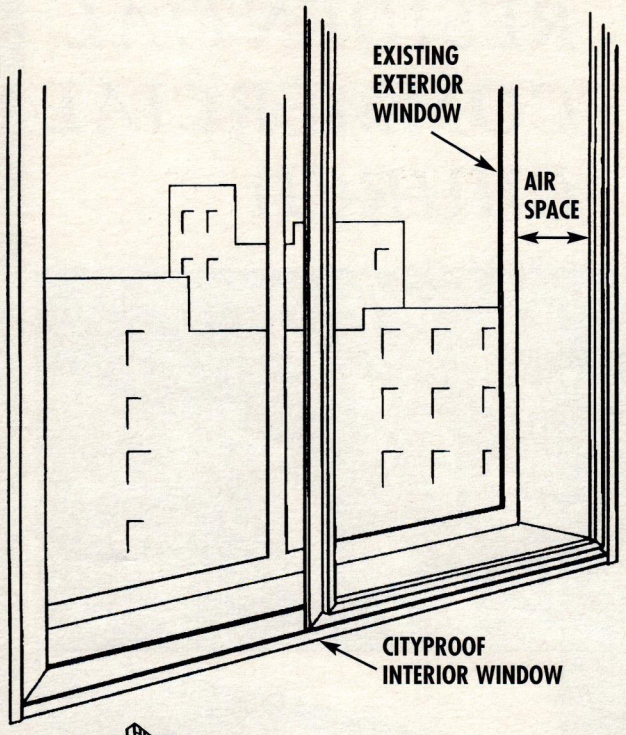
WWW.PARRETTWINDOWS.COM

Phone: 1-800-541-9527 Fax: 1-877-238-2452 info@parrettwindows.com

KEY IN NO. 3003

INTERIOR WINDOW SYSTEMS

NOISE REDUCTION • DRAFT & DIRT ELIMINATION • THERMAL CONTROL



- *Up to 95% Noise Reduction*
- *Maximum Thermal Control*
- *99% Elimination of Draft/Dirt Infiltration*
- *All Custom Design, Construction & Glazing*
- *Residential/Commercial/Institutional*
- *Installations in over 3,000 Landmark & Non-Landmark Buildings*
- *No Landmark Approval Necessary In Most Cases*
- *We Manufacture • We Install • We Guarantee*

HOW IT WORKS:

The **Cityproof Interior Window** works in conjunction with the existing exterior window to create a Buffer Zone (air space) that seals out noise, cold, draft, and dirt

* **Custom-made to mirror exterior window configuration**
* **Variety of glass types and thicknesses**
* **Selection of frame colors and finishes**
* **Panels slide and lift out for cleaning and access to exterior windows**

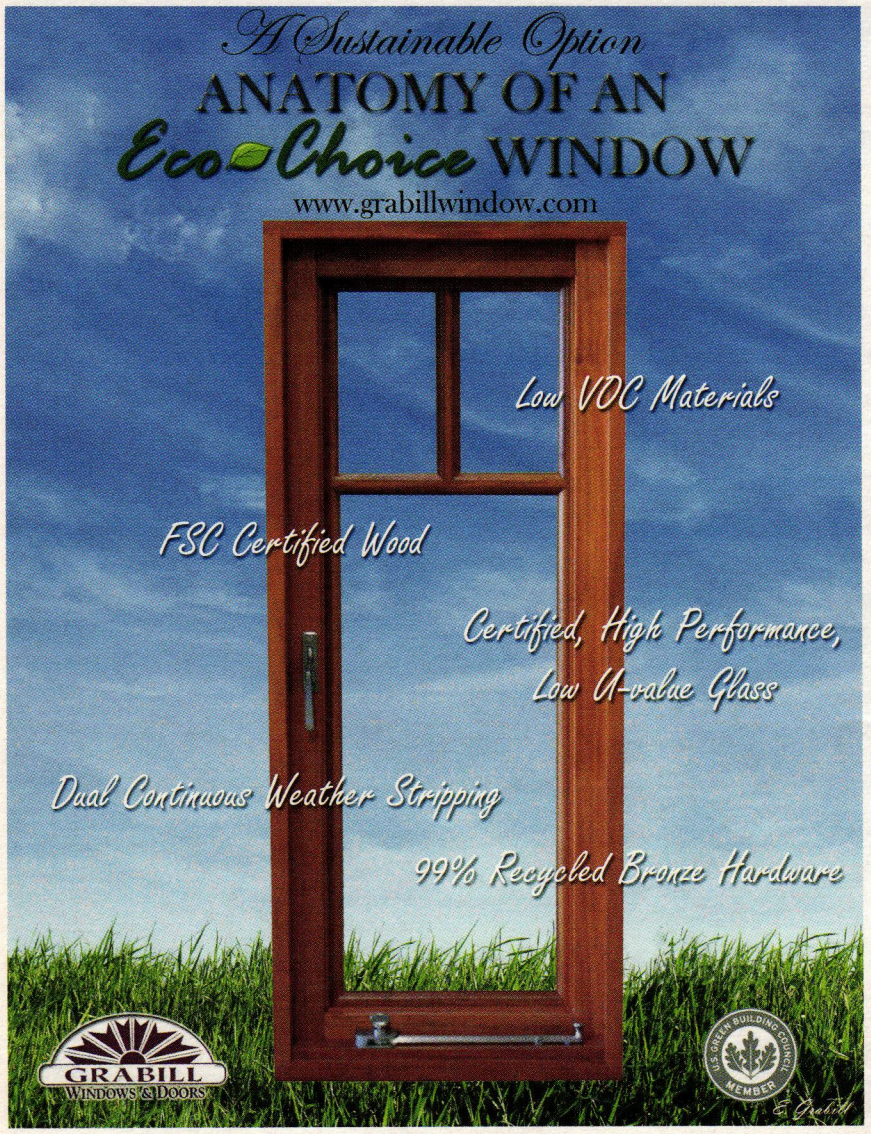
10-11 43rd Avenue, Long Island City, NY 11101
Tel: (718) 786-1600 • (800) 287-6869 • Fax: (718) 786-2713
website: www.cityproof.com • e-mail: info@cityproof.com

Since Cityproof 1960

CALL OR WRITE FOR FREE PRODUCT INFORMATION & BROCHURE

"Improving the Quality of the Living & Working Environment For Over 40 Years"

KEY IN NO. 2390



KEY IN NO. 1910

NEW HAMPSHIRE PRESERVATION ALLIANCE

New Hampshire Old House & Barn Exposition

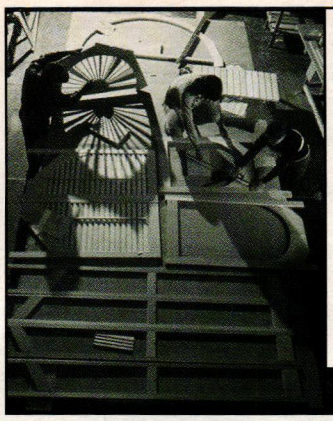
The Center of New Hampshire, Radisson Hotel, Manchester, NH

Saturday & Sunday, March 20-21, 2010

Over 50 Exhibitors
Old House Products & Services • Hourly "how-to" lectures
New Topics • Live Demonstrations

Sponsored by the New Hampshire Preservation Alliance

For more information & discounted online registration, go to:
www.nhpreservation.org
(603) 224 - 2281



OHLINE SHUTTERS

Custom shutters and louvered doors of unsurpassed quality and finish.

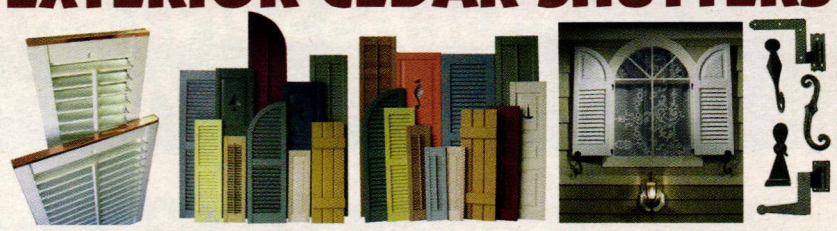
Historic restoration & replication
All louver sizes & profiles
Specialty shapes

Visit our website at www.ohline.com
or call 800-585-3197.

Crafted in the USA for over fifty years.

KEY IN NO. 1065

EXTERIOR CEDAR SHUTTERS



MORTISE & TENON COLONIAL CRAFTSMANSHIP

Authentic Interior & Exterior Shutter Styles & Hardware - Full Painting Service

Call (203) 245-2608 - Visit shuttercraft.com

Family Owned Over 20 Years - Made In USA - Excellent Quality & Value

KEY IN NO. 1321

WE BELIEVE THAT TRUE PERFECTION IS IN THE DETAILS

Beautifully crafted
reproduction
and custom windows,
doors
and architectural
millwork.

Montague, Massachusetts, 413.367.9441
www.architecturalcomponentsinc.com

www.traditional-building.com

Internet gateway to historical products

ARCHITECTURAL RESOURCE CENTER

WINDOW HARDWARE

SASH PULLEYS
Solid Cast Brass
Stainless Steel Pin
Ball Bearing

SASH WEIGHTS
Stackable Add On
Custom per Opening
Steel, Lead, or Galvanized

SASH LIFTS
More Than 100 Choices
Solid Brass
Polished & Antique
Finishes

SASH LOCKS
For All Types of Sash
Many Finishes
Custom Designs

SASH CHAIN
Solid Brass, Bronze, Steel,
Copper, Brass, Nickel
Plated
Lifting Capacity to 300 lbs.

SASH WEATHERSTRIP
Metal & Non-Metal
Interlocking or Exposed-
Bronze or Zink
Widths to 2.875 Inches
Compression, Pile, Bulb.
Leaf

CUSTOM CASTINGS
Made to order

(800) 370-8808 • Fax: (603) 942-7465
557 Old Turnpike Road • Northwood, NH 03261
www.aresource.com E-mail: rpm@aresource.com

KEY IN NO. 1670

GLASS INTERIOR
Storm Windows

- Reduce heating & cooling bills up to 30%
- Maintain the charm & beauty of your existing windows
- Eliminate drafts completely
- Greatly reduces outside noise
- Custom sizes
- Perfect for enclosing screen porches
- Easy no tool snap in & out

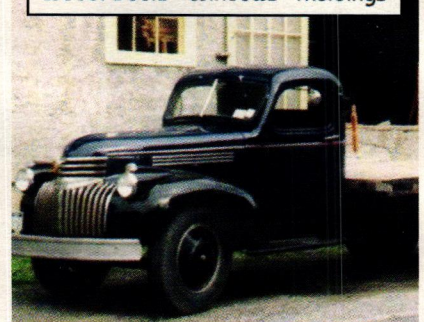
Innerglass®
WINDOW SYSTEMS, LLC
the better alternative

1-800-743-6207 FAX (860) 651-4789
15 Herman Drive, Simsbury, CT 06070

www.stormwindows.com

KEY IN NO. 909

Jim Illingworth Millwork, LLC
Architectural · Historical · Traditional
We Custom Build
Wood: Doors - Windows - Moldings



Ph: 315-232-3433 · Fax: 315-232-3645
Toll Free: 877-390-2392
8-10 Wardwell St. · Adams, NY 13605
Website: www.jimillingworthmillwork.com
www.illingworthmillwork.com

KEY IN NO. 1696

---

www.customforgedhardware.com

Kayne and Son Custom Hardware, Inc.
Dept TB
100 Daniel Ridge Road
Candler, N.C. 28715
(828) 667-8868 or 665-1988
Fax: (828) 665-8303

Catalogs $5.00

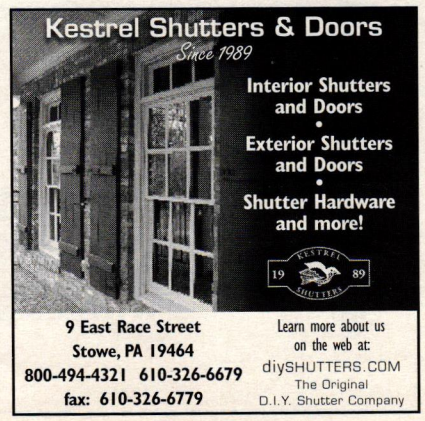
- Reproductions & Restorations
- Builders/Architectural Hardware
- Custom Forging
- Cast Brass & Bronze
- Custom Hinges & Thumblatches
- Fireplace Tools & Accessories

NANZ®

VISIT OUR WEBSITE AT
WWW.NANZ.COM

KEY IN NO. 1988

KEY IN NO. 319



KEY IN NO. 7990

NEW!
PRODUCT LITERATURE ONLINE

The fastest way to get supplier catalogs

This issue's "Free Product Literature" form is now online. Literature requests are e-mailed directly to advertisers for fastest action. To use this online service:

- Log onto www.traditional-building.com
- Click on "Free Product Literature"
- Select "Issue Product Literature Card"

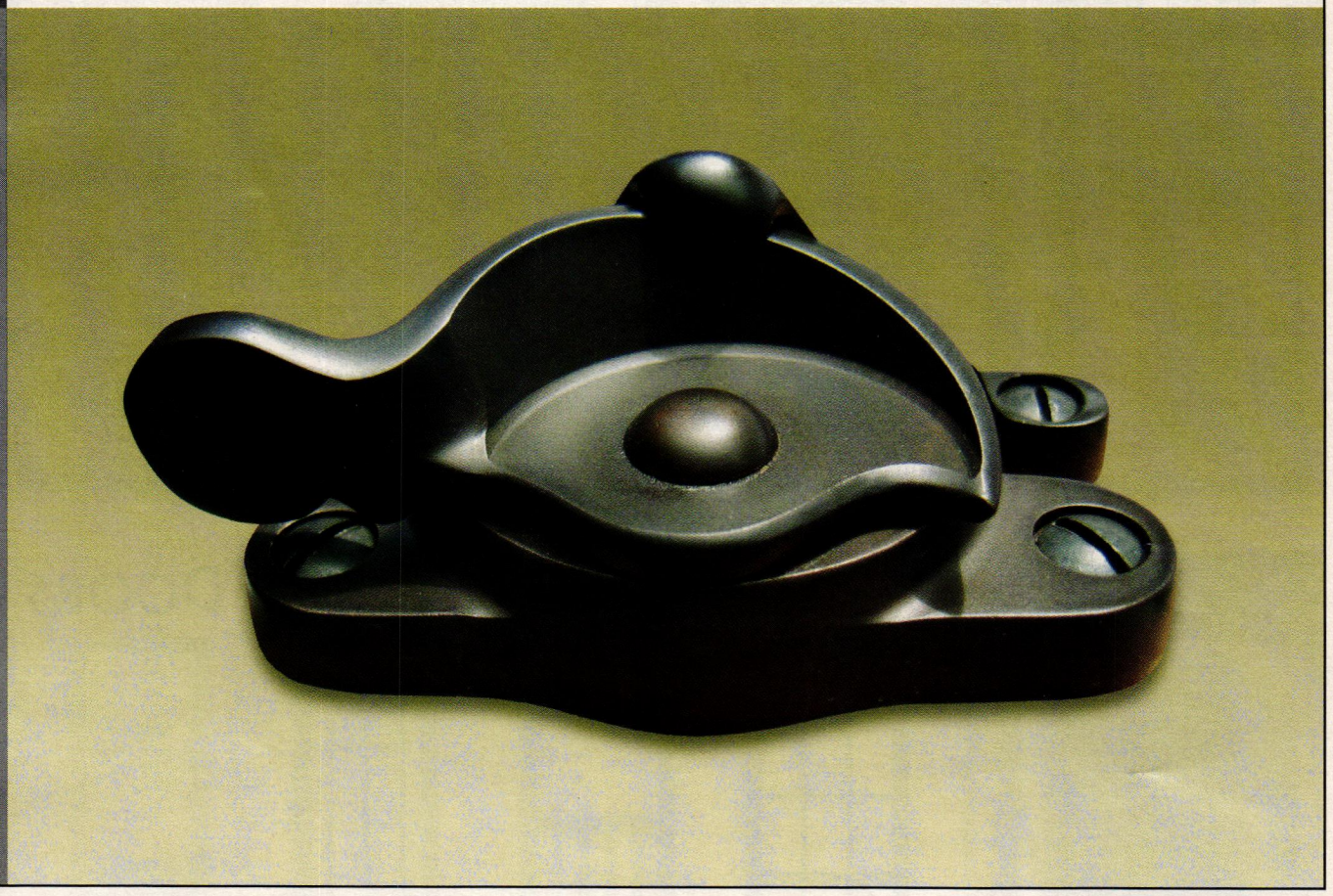
www.traditional-building.com

Sash locks

www.phelpscompany.com

PHELPS COMPANY®

TRADITIONAL BRASS WINDOW HARDWARE



Phelps Company
60 Elm Street
Brattleboro, VT
05301

Tel. 802-257-4314
Fax 802-258-2270

KEY IN NO. 6001

M&A ARCHITECTURAL PRESERVATION, INC.

Windows - Entrances - Facades - Interiors

433 Market St. Lawrence MA 01843
T 978-683-0880 F 978-683-8370
www.archpres.com

KEY IN NO. 955

Gerber Hinge Presents

EHF

European Hardware and Finishes

The finest in European hardware since 1981, designed to enhance cabinets, furniture, doors and windows. Custom finishes available. Visit www.eh-and-f.com or call (800) 643-7237.

Visit the EHF/Gerber Hinge showrooms at:
21034 Osborne St., Canoga Park, CA 91304

KEY IN NO. 2540

LOOKING FOR "INVISIBLE" STORM WINDOWS? HERE THEY ARE!

Historic Property Owners

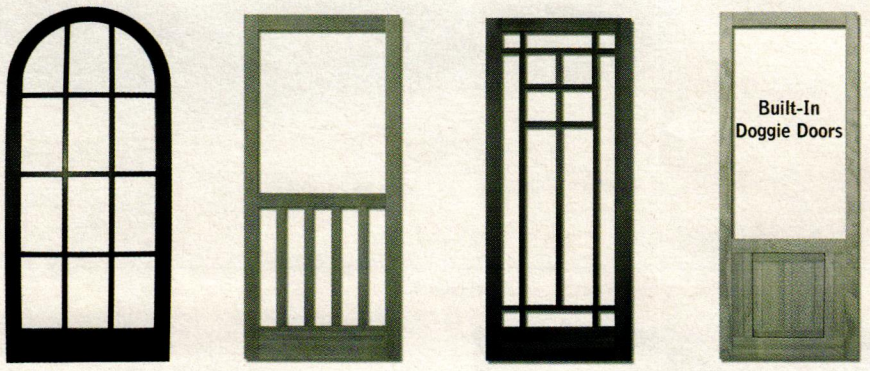
Renovation Contractors

You will see the energy savings
Not the Storm Windows
Match Any Color, Match Any Shape
Inside or Outside Mounted
Inside or Outside Removable
Screen and Glass
Fixed-Magnetic-Sliding-Lift Out

ALLIED WINDOW, INC.
11111 Canal Rd., Cincinnati, OH 45241
(800) 445-5411 (TOLL FREE)
(512) 559-1883 (FAX)
www.invisiblestorms.com/tb
"Where custom work is standard"

KEY IN NO. 690

WOOD SCREEN & STORM DOORS



Over 300 Door Styles! ANY SIZE!!

Coppa Woodworking Inc.

San Pedro, CA

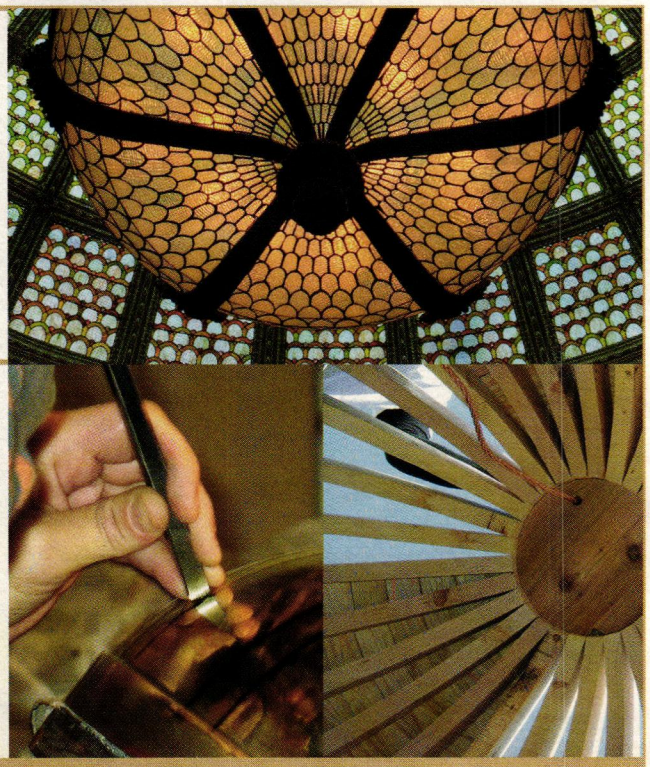
310-548-4142

www.coppawoodworking.com

KEY IN NO. 9600

Traditional Product Reports

Traditional Product Reports is a micro site containing in-depth information on traditional building products and materials, including checklists, directories, buying guides, case studies, stories, articles, primers, installation tips, and other information, along with thousands of links to companies serving the field.



www.traditionalproductreports.com

KEY IN NO. 1900

NEW!
PRODUCT LITERATURE
ONLINE

The fastest way to get supplier catalogs

This issue's "Free Product Literature" form is now online. Literature requests are e-mailed directly to advertisers for fastest action. To use this online service:

- Log onto www.traditional-building.com
- Click on "Free Product Literature"
- Select "Issue Product Literature Card"

www.traditional-building.com

NANZ®

SEE OUR FULL PAGE
AD ON PAGE 59

KEY IN NO. 1988

Surf the Industry

Online data & links for more than 673 suppliers of products & services for restoration, renovation & historically inspired new construction for civic & commercial projects.

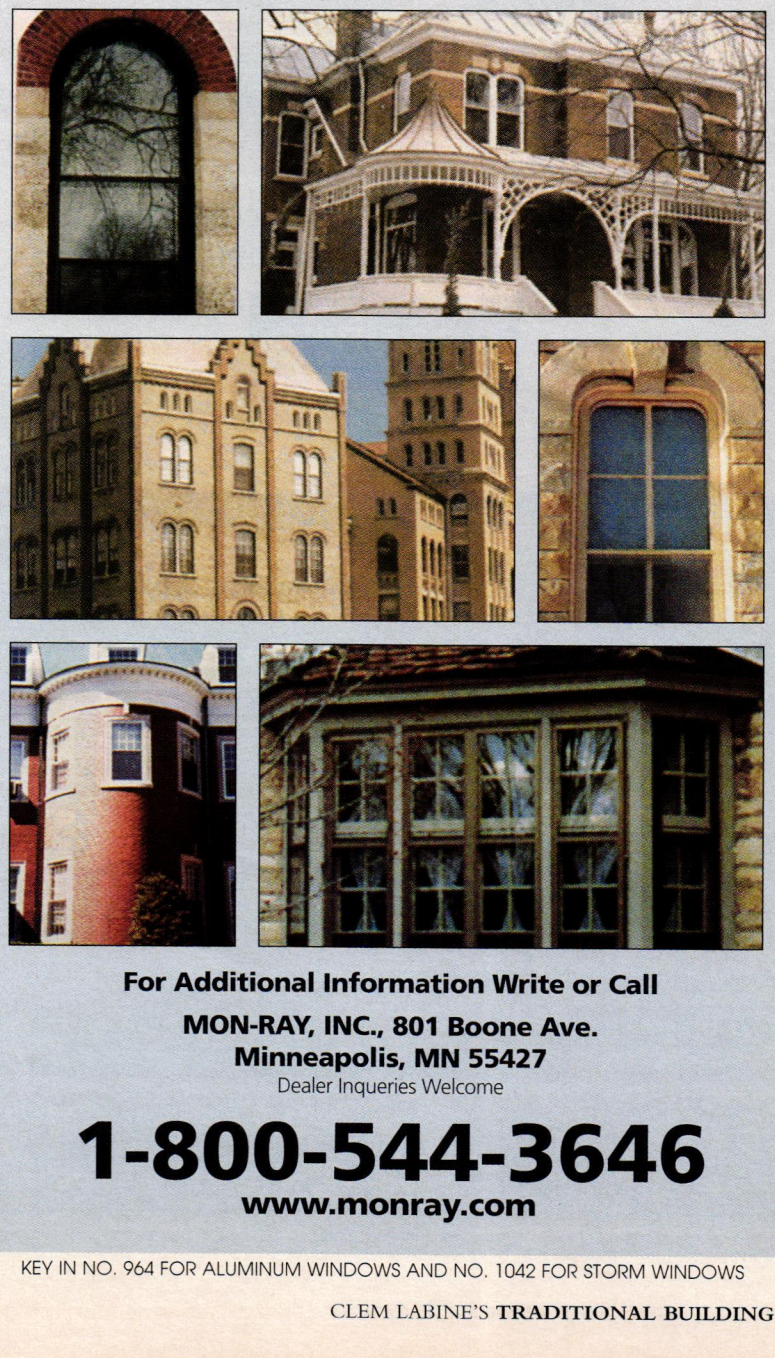
www.traditional-building.com

mon-Ray®

High Performance
Secondary Glazing
Window Systems

Mon-Ray Storm Windows Deliver Lasting Satisfaction from Design to Installation...

- Conserve Energy
- Abate Outside Noise
- Reduce Maintenance
- Retain Original Appearance



For Additional Information Write or Call

MON-RAY, INC., 801 Boone Ave.
Minneapolis, MN 55427
Dealer Inqueries Welcome

1-800-544-3646
www.monray.com

KEY IN NO. 964 FOR ALUMINUM WINDOWS AND NO. 1042 FOR STORM WINDOWS

State-of-the-art manufacturing to achieve time-honored standards.

Designing and manufacturing custom hardware to provide unparalleled solutions.

Accurate
Lock and Hardware

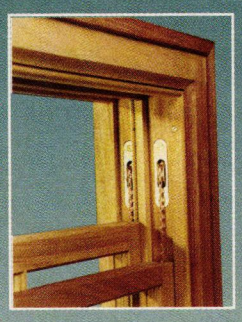
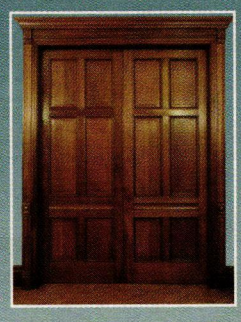
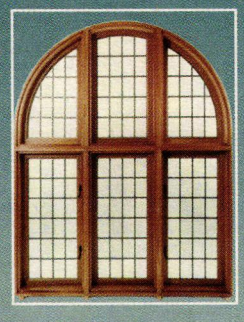
MADE IN USA

www.accuratelockandhardware.com

203.348.8865

KEY IN NO. 1997

History Repeats Itself At
WOOD WINDOW WORKSHOP
Uncompromising Quality and Craftsmanship

WWW

Manufacturers of Furniture-Quality, Custom Wood Windows & Doors. Specializing in Historic Reproductions, Traditional Styles, Geometric and Bent Designs.

839 Broad Street, Utica, New York 13501
1-800-724-3081 • Fax 315-733-0933
www.woodwindowworkshop.com

KEY IN NO. 9640

ON LINE. ALL THE TIME.

Get the latest information for:

- Period authentic building products and suppliers
  –www.traditional-building.com & www.period-homes.com
- New product catalogs and product galleries
  –www.traditional-building.com & www.period-homes.com
- Chat rooms with experienced enthusiasts and professionals
  –www.traditional-building.com & www.period-homes.com
- Service providers: trades people, architects, artisans, consultants and other professionals in the traditional building marketplace
  –www.tradwebdirectory.com
- Special events and conference announcements
  –www.traditionalbuildingshow.com

On these targeted web sites:

www.traditional-building.com
www.period-homes.com
www.tradwebdirectory.com
www.traditionalbuildingshow.com
www.buildingport.com

Save time. Zero in on the info you need for residential and non residential historic restoration, renovation and period inspired new construction.

www.restoremedia.com

KEY IN NO. 1836

KEY IN NO. 6980

KEY IN NO. 2636

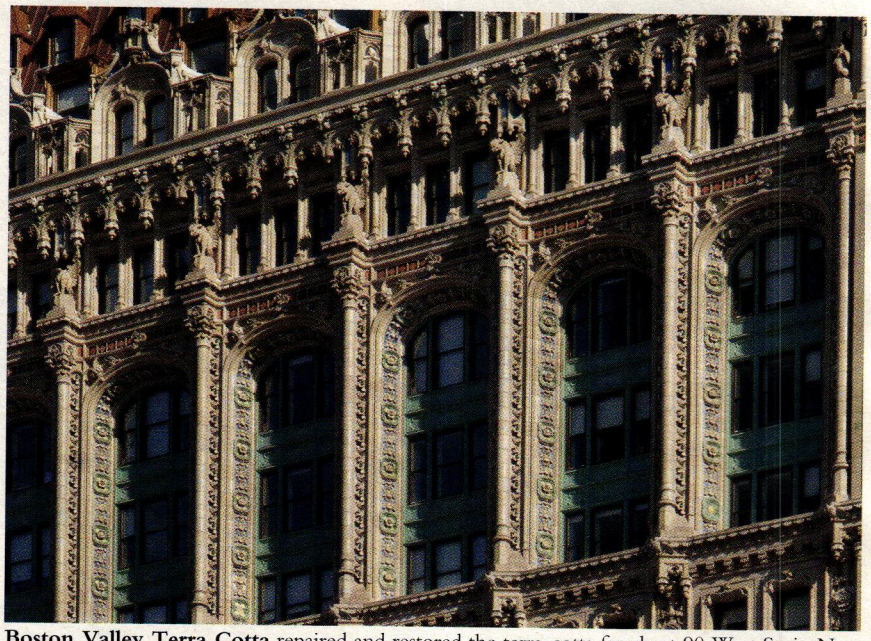
TRADITIONAL BUILDING
EXHIBITION AND CONFERENCE
October 20-23, 2010
Chicago
www.traditionalbuildingshow.com

KEY IN NO. 1579

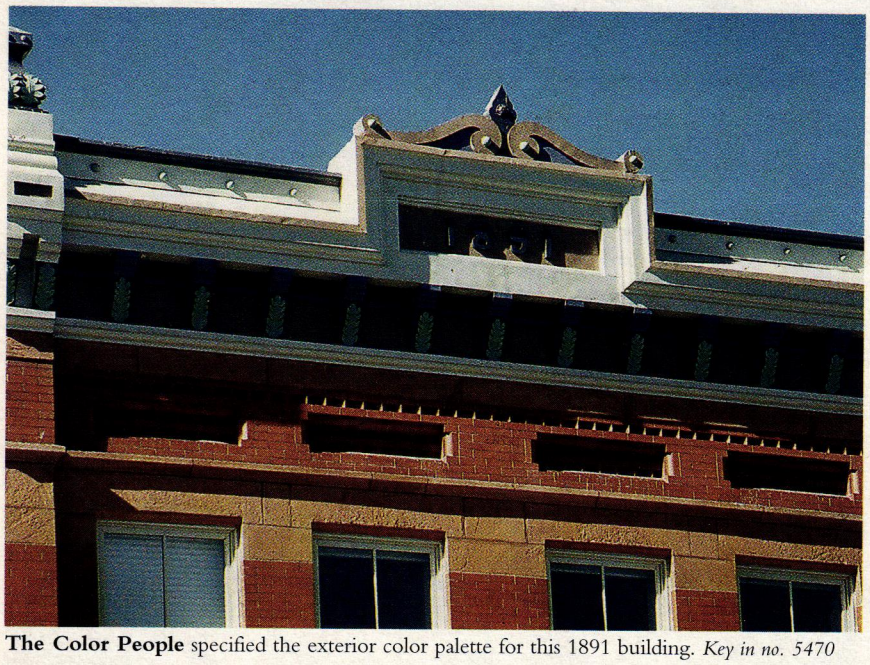
Exterior Elements, Ornament & Finishes

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

The terra-cotta elements on this commercial building in Chicago were replicated with GFRC elements with technology provided by **Ball Consulting**. *Key in no. 7260*

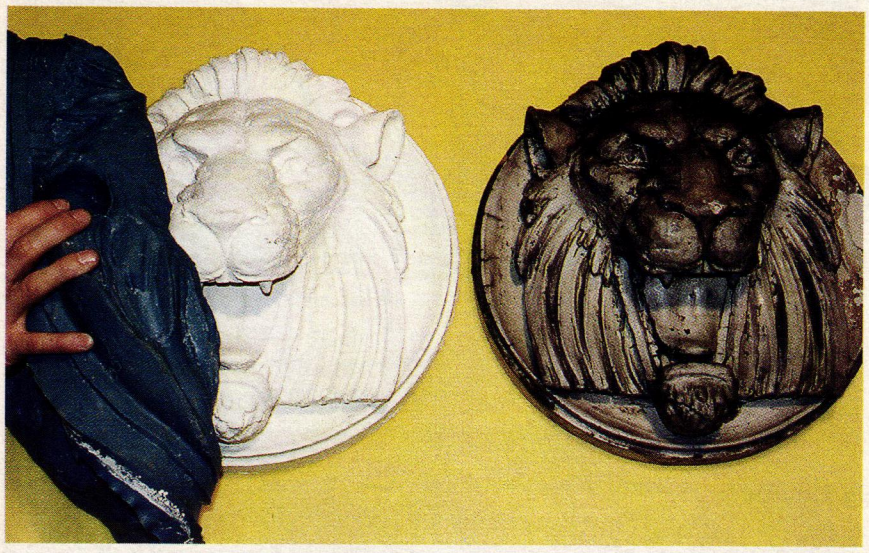


Boston Valley Terra Cotta repaired and restored the terra-cotta facade at 90 West St. in New York City after it was damaged during 9/11. *Key in no. 160*



The Color People specified the exterior color palette for this 1891 building. *Key in no. 5470*

Haddonstone created the cast-stone exterior ornament for this Victorian building in Scarborough, England. *Key in no. 4020*

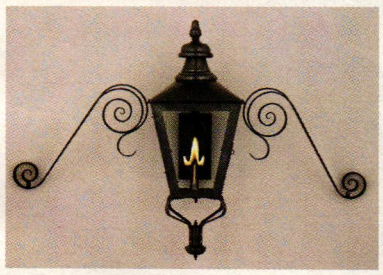


MasterMold, a non-toxic polyurethane paste from **Abatron**, is used to reproduce molds. *Key in no. 1300*

This terra-cotta gargoyle was fabricated by **Gladding, McBean** for Wingate Hall at City College of New York to replace one that was lost. *Key in no. 6010*

www.traditional-building.com

Picture This!



TRADITIONAL PRODUCT

Galleries

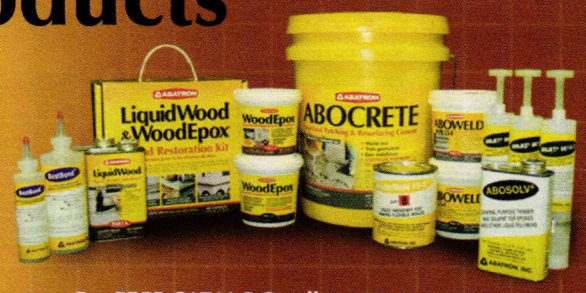
The world of traditional products is wide and wonderful. Traditional Product Galleries makes finding the right items easy – and interesting.

www.traditionalproductgalleries.com

ABATRON

Restoration & Maintenance Products

ABATRON'S building, restoration and maintenance products excel at meeting tough challenges. They have been specified for over two decades by architects, government agencies, builders and other professionals for a multitude of applications. The products are based on epoxies, urethanes, acrylics and other materials in wide ranges of viscosity, hardness, flexibility, thermal, chemical and mechanical properties. Below are product highlights:



For FREE CATALOG call 1-800-445-1754

Wood Restoration

WoodEpox®: Structural, non-shrinking adhesive paste is used in any thickness to fill and replace missing wood.

LiquidWood®: Liquid, penetrating consolidant for restoring strength and function to rotted or spongy wood.

Both **LiquidWood®** and **WoodEpox®** permanently restore windows, columns, clapboards, logs and most rigid surfaces.

Restoration of rotted window is easy and cost-effective.

Stone, Concrete, Masonry Restoration

AboCrete: Permanently repairs and resurfaces concrete. Fills cracks and bonds broken sections.

AboWeld 55-1: Slump-resistant structural paste repairs and reshapes stairs, statuary and vertical surfaces.

AboJet®: Structural crack-injection resins that permanently weld back together foundation walls, columns, etc. Prevent water infiltration.

Abocrete can be used to replace missing concrete. **Abojet** bonds structural walls.

Moldmaking and Casting Compounds

MasterMold® 12-3: Non-toxic polyurethane paste for flexible, large and small molds. Can be applied on site.

MasterMold® 12-8: Liquid 12-3 for making pourable molds.

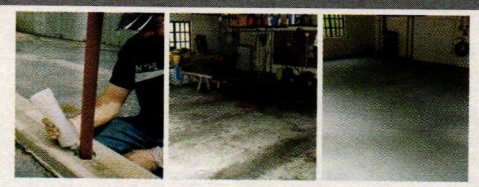
Woodcast: Lightweight interior/exterior casting compound.

MasterMold can reproduce capitals, structural and decorative components, statuary and other patterns precisely & cost-effectively.

Structural Adhesives, Protective Coatings, Sealants, Caulks

Abocoat and Abothane Series: Protective coatings for floors, walls, tanks and tubs.

Wide selection of adhesives and sealants for most environments. Meets specifications for composites, structural and decorative components, indoors & outdoors.

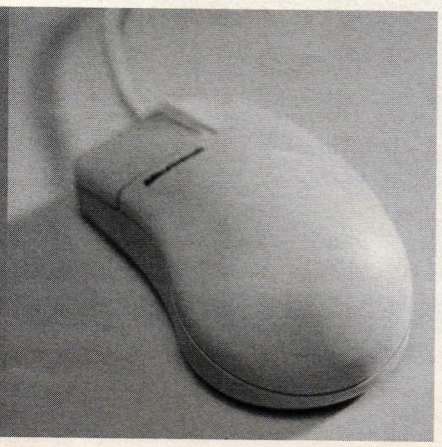


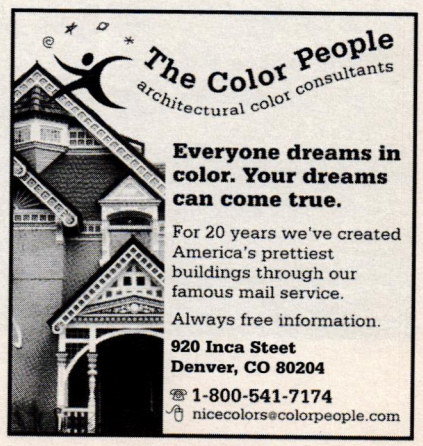
5501-95th Ave., Kenosha, WI 53144 USA Tel: 1-262-653-2000
www.abatron.com

KEY IN NO. 1300

The internet gateway to historical products and literature is just one click away

Traditional-Building.com





KEY IN NO. 5470

This ornate balustrade project was designed and created by **Heather & Little Limited**.
Key in no. 2470

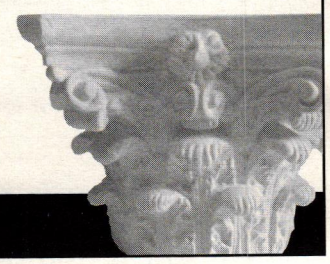
The decorative polyurethane architectural elements on this quaint clock tower were supplied by **Goodwin Associates**.
Key in no. 806

Designed by the ages. Crafted by hand.

Fisher & Jirouch is well known for hand-crafting ornate plaster fixtures as taught by the original owners... old world master artisans nearly 100 years ago. We offer more than 1,500 architectural details in a variety of period styles. Our authentic plaster techniques have been improved to meet today's applications by architects, tradespeople, and do-it-yourselfers who rely on our pieces to enhance their exterior and interior spaces. Easy to install. Affordable. Custom reproductions available.

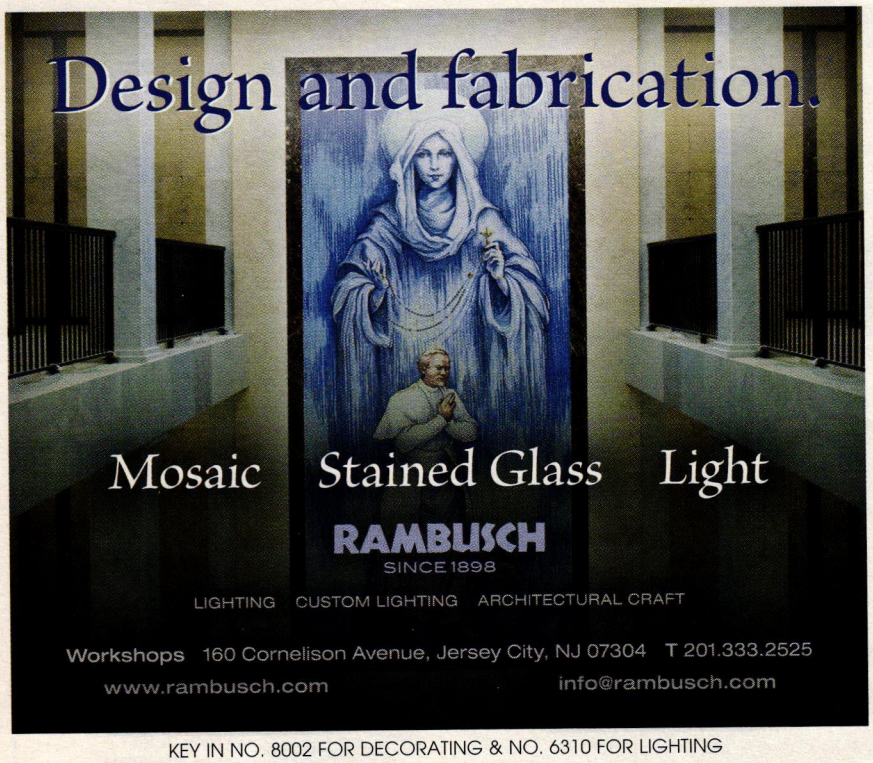
Send for our 144-page catalog ($10 US, $15 Canadian)

THE FISCHER & JIROUCH CO.
4821 Superior Ave., Cleveland, Ohio 44103
(216) 361-3840 (216) 361-0650 fax



Ask about our new line of Polyurethan/Resin Capitols

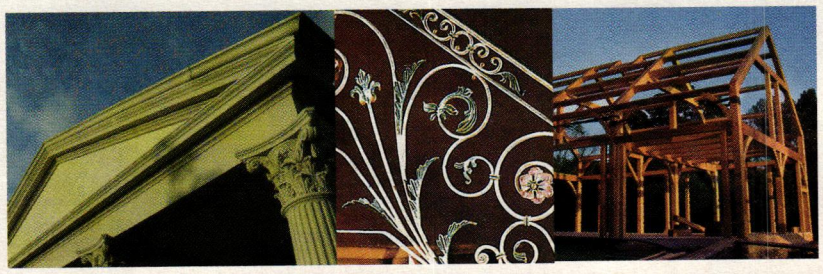
KEY IN NO. 1960



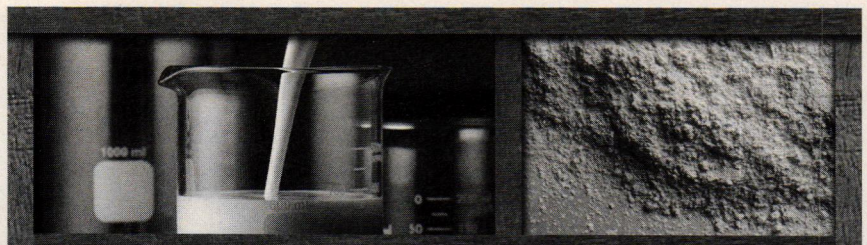
KEY IN NO. 8002 FOR DECORATING & NO. 6310 FOR LIGHTING

TRADITIONAL PRODUCT
Galleries

The world of traditional products is wide and wonderful. Traditional Product Galleries makes finding the right items easy – and interesting.



www.traditionalproductgalleries.com



OUR EXPERIENCE IS HANDS-ON.

At Ball Consulting, we've been a supplier of GFRC and specialty concrete products for nearly 30 years. But we haven't just been supplying. We've been working too. That means we have the experience necessary to not only provide the materials you need, but to show you how to use them as well.

No matter the size or the scope of your project, Ball can help. We're not afraid to get our hands dirty.

SERVING YOUR NEEDS

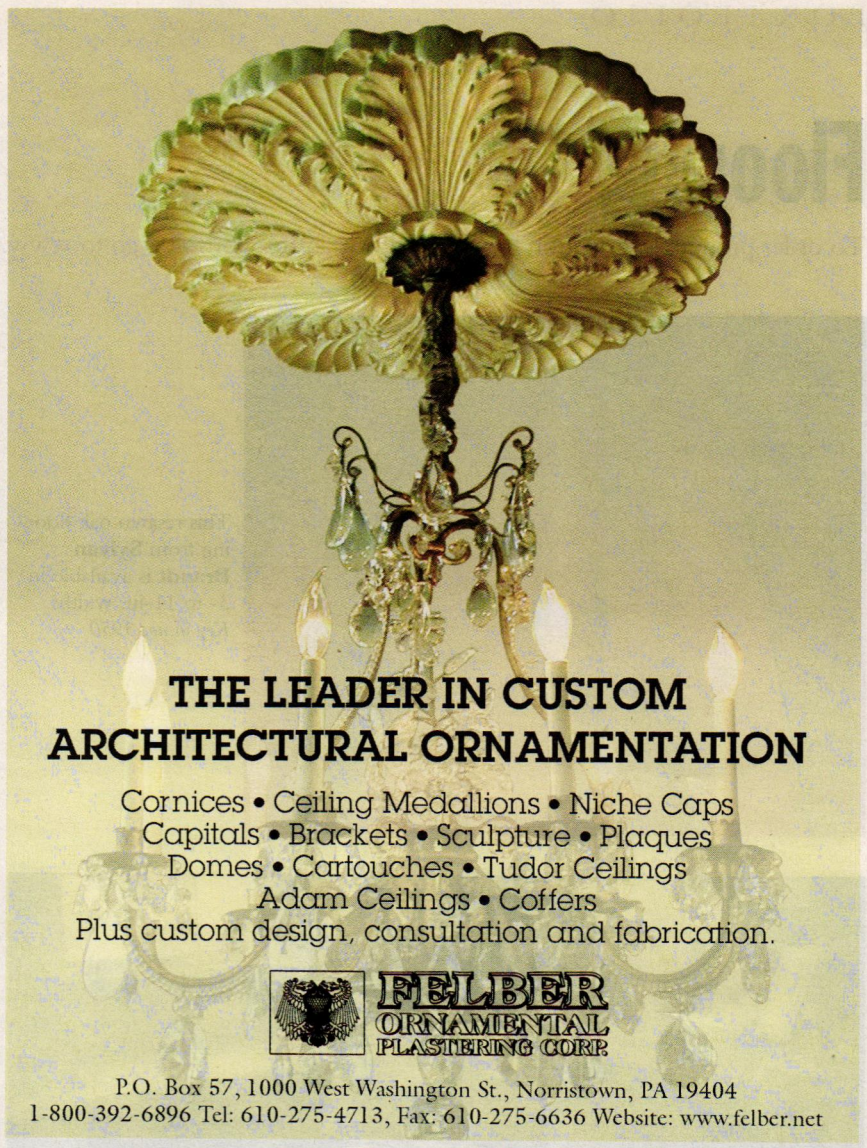
GFRC Forton MG Precast Concrete Equipment

Ball consulting ltd

AMBRIDGE, PA **800.225.2673** TEMPE, AZ **888.967.7727**

www.**ball-consulting-ltd**.com

KEY IN NO. 7260



THE LEADER IN CUSTOM ARCHITECTURAL ORNAMENTATION

Cornices • Ceiling Medallions • Niche Caps
Capitals • Brackets • Sculpture • Plaques
Domes • Cartouches • Tudor Ceilings
Adam Ceilings • Coffers
Plus custom design, consultation and fabrication.

FELBER ORNAMENTAL PLASTERING CORP.

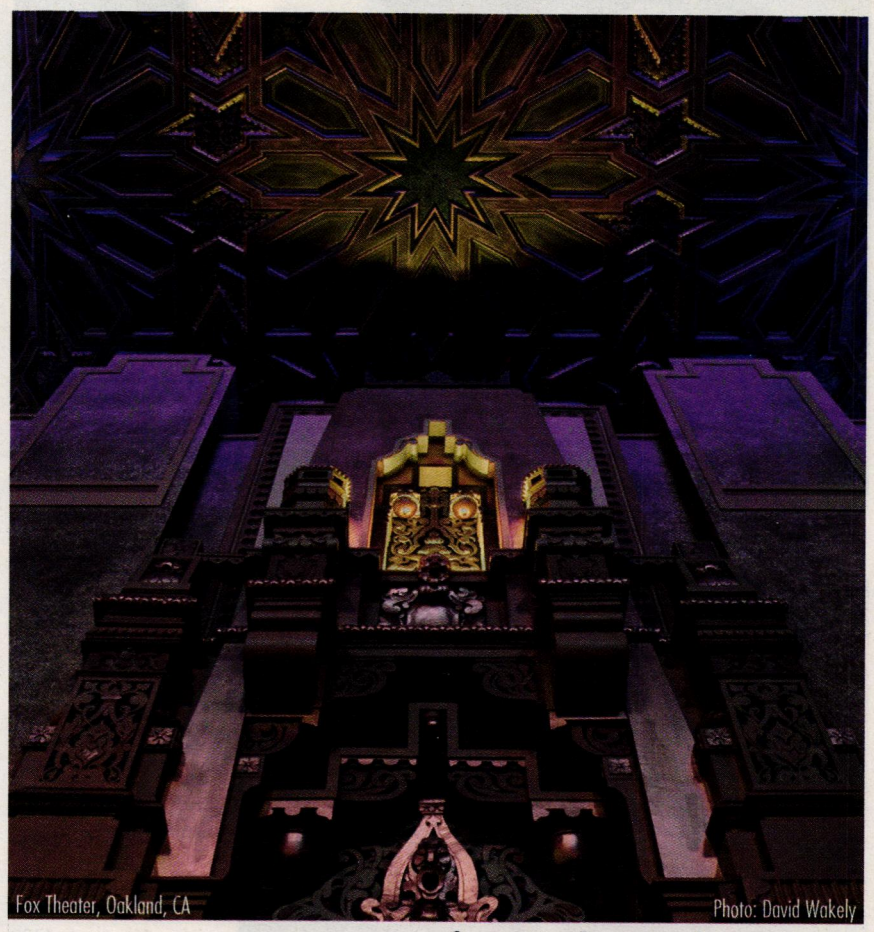
P.O. Box 57, 1000 West Washington St., Norristown, PA 19404
1-800-392-6896 Tel: 610-275-4713, Fax: 610-275-6636 Website: www.felber.net

KEY IN NO. 2890

I·N·T·B·A·U

PATRON: HIS ROYAL HIGHNESS THE PRINCE OF WALES

The International Network for Traditional Building, Architecture & Urbanism is a worldwide organization dedicated to the support of traditional building, the maintenance of local character and the creation of better places to live. **www.intbau.org**



Fox Theater, Oakland, CA Photo: David Wakely

EVERGREENE Architectural Arts

Conservation, Restoration, Decoration
t 212.244.2800 f 212.244.6204 www.evergreene.com

KEY IN NO. 2460 FOR DECORATIVE PAINTING & NO. 2678 FOR PLASTERWORK

Flooring

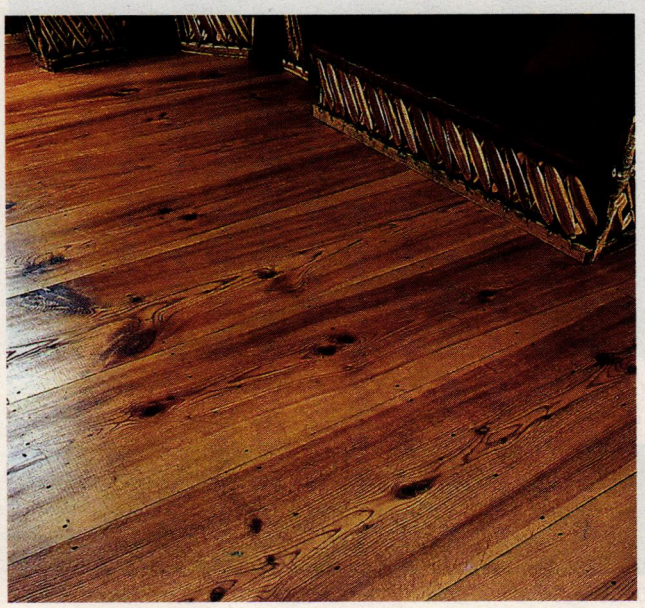
To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

This resawn oak flooring from **Sylvan Brandt** is available in 3- to 11-in. widths. *Key in no. 3950*

This historically accurate floor was created using 1-in. hexagon unglazed porcelain tile and ¾-in. square border tile from **American Restoration Tile**. *Key in no. 8032*

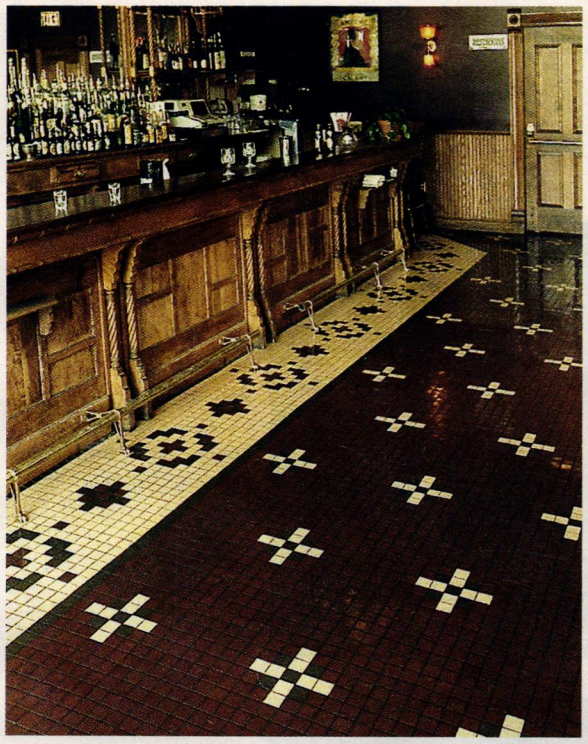
Bear Creek Lumber supplied this hardwood flooring. *Key in no. 521*

Carlson's Barnwood Co. supplied this antique Americana mixed-species inlay and the antique oak flooring that surrounds it. *Key in no. 2744*

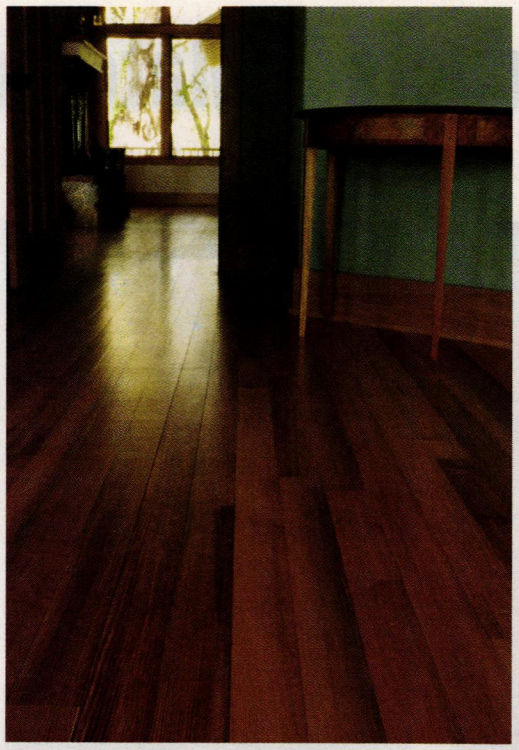


Craftsman Lumber manufactured this wide-plank red pine flooring, which was dried and machined onsite. *Key in no. 4320*

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



Designs in Tile provided this geometric flooring for a building in Aspen, CO. *Call for more information.*



This antique reclaimed wood flooring was supplied by **Goodwin Heart Pine**. *Key in no. 1330*

Northeast Millwork Corp.

Peter Corr
500 Eagleville Road,
Tiverton, RI 02878
(401) 624-7744, (401) 641-2506
Fax (401) 624-8118
northeastmillwork@verizon.net

Antique Heart Pine Flooring & Lumber
Large Selection of Antique Woods Available
Fine Woodworking & Millwork
Stocking 100,000 Feet of Antique Wood In Our Sawmill
40 Years In Business
Vintage Post & Beams Available

KEY IN NO. 2794

Antique Lumber, Boards, Beams & Floors

- Custom Cutting
- Timber Framing
- Custom Floors
- Surveying/Estimating
- Heart Pine Timbers
- Doug Fir Timbers
- Spruce Timbers
- Re-Sawn Heart Pine
- Re-Sawn Chestnut

143 Radcliff Rd. Willow Street PA
P: 617-548-1829
www.antiquelumber.net
info@antiquelumber.net

KEY IN NO. 1457

Chestnut Specialists Inc.
Wideboard/Plank Antique Flooring Remilled from Reclaimed Antique Lumber
Hand Hewn Barn Beams-
Weathered Barnsiding
Chestnut - Oak - Pine
Dave Wasley 860-283-4209
Your Source for Antique Floors of Distinction

The internet gateway to historical products and literature is just one click away.
Traditional-Building.com

Only Goodwin
Goodwin Heart Pine Company
800.336.3118 • www.HeartPine.com

KEY IN NO. 1330

Sylvan Brandt, LLC
Resawn & Antique Flooring
by which all others are compared

Please call or visit our website for a free brochure or sample

651 East Main Street • Lititz, PA 17543
717-626-4520 • www.sylvanbrandt.com

Eco-Friendly Since 1960

KEY IN NO. 3950

Carlson's Barnwood Company
Major supplier of antique reclaimed flooring, beams, barnwood, and architectural!
Saving a Part of America's Rural Past!
Carlson's Barnwood
Cambridge, IL 61238
1-800-734-5824
www. carlsonsbarnwood.com

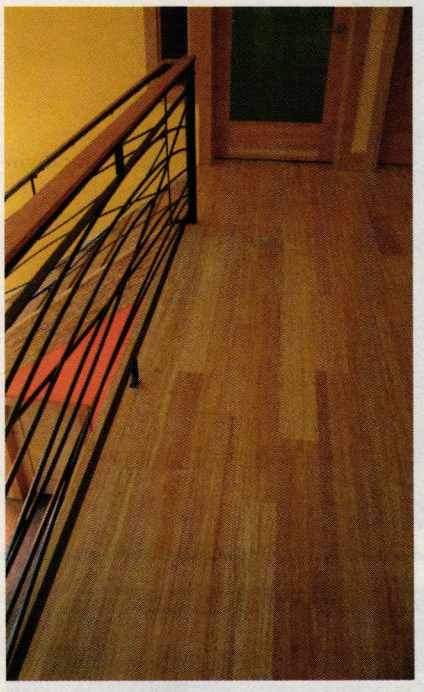
KEY IN NO. 2744

FLOORING > PANELING > WAINSCOTING
WIDE BOARDS FOR FINE WORK
Whether you're an architect, a builder or a humble homeowner, we offer a fine selection of wide pine, native hardwoods and reclaimed antique woods custom milled for your historic restoration, renovation or new building projects.
PINE TO 30" WIDE OAK TO 18" WIDE
Craftsman LUMBER COMPANY
FINELY MILLED SINCE 1974
CRAFTSMAN LUMBER COMPANY, INC.
BOX 222, 436 MAIN ST.
GROTON, MA 01450
P 978.448.5621
F 978.448.2754
U CRAFTSMANLUMBER.COM

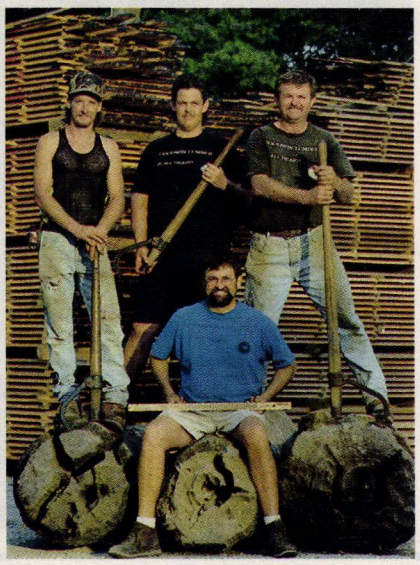
KEY IN NO. 4320

Green Products & Materials

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.



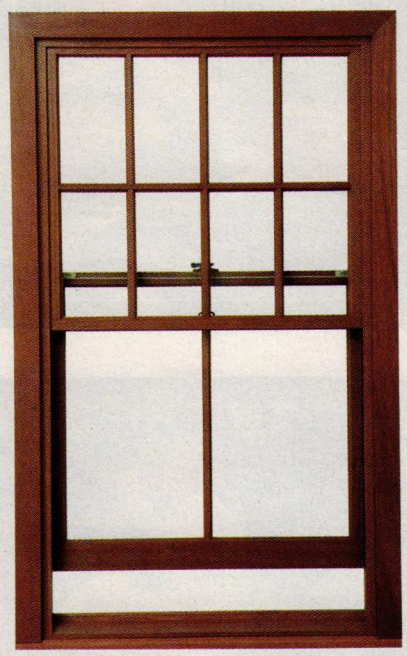
Bear Creek Lumber provided the bamboo flooring for this hallway. *Key in no. 521*



The team at **Goodwin Heart Pine** salvages antique "sinker" logs from riverbeds and recycles them into flooring and other products. *Key in no. 1330*

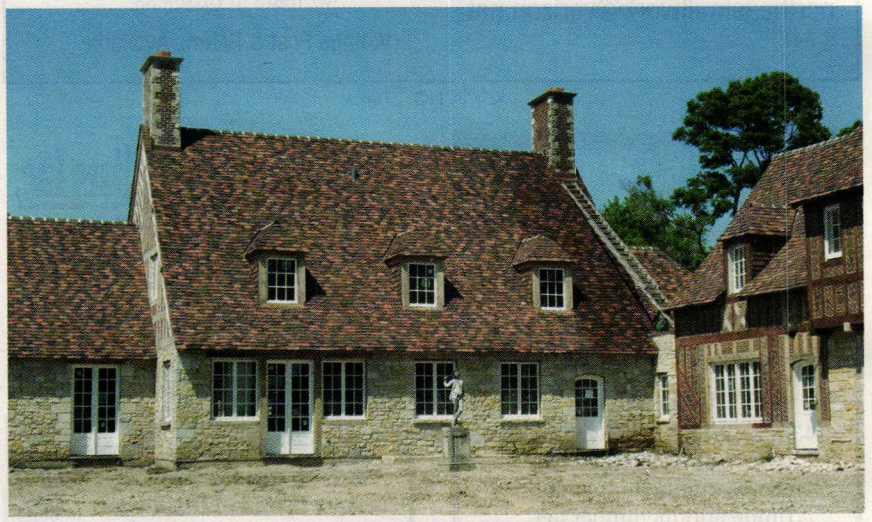
Sylvan Brandt reclaims wood from old barns for lumber, heavy timbers and paneling. *Key in no. 3950*

Unico's small-duct, high-velocity HVAC system takes less than ¼ the space of a traditional system, making it ideal for historic buildings. *Key in no. 1779*



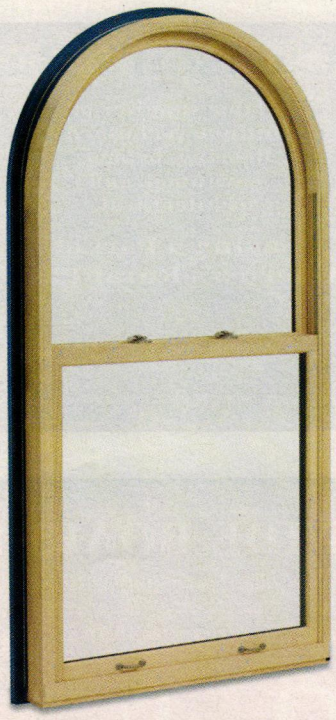
Pella offers windows made of 21% post-industrial recycled content. *Key in no. 1998*

Chestnut Specialists supplied this reclaimed antique floor. *Call for more information.*

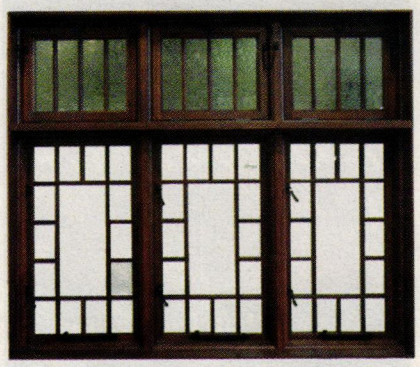


Tile Roofs supplied fire-flashed salvaged Spanish tiles and custom fittings for this project in Asheville, NC. *Key in no. 4570*

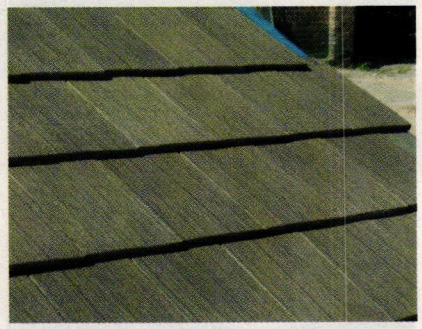
Mineral Paints & Plasters
The right price
The right VOC content
The right value
san marco
BUILDING'S COATING SYSTEMS
www.san-marcosusa.com
KEY IN NO.2002



Designed for superior performance against air, water and structural infiltration, Ultimate Double Hung Mangum Round Top windows are available from **Marvin Windows and Doors** in a variety of large sizes and shapes. *Key in no. 1263*



Parrett Windows & Doors offers a wide selection of historical windows. *Key in no. 3003*



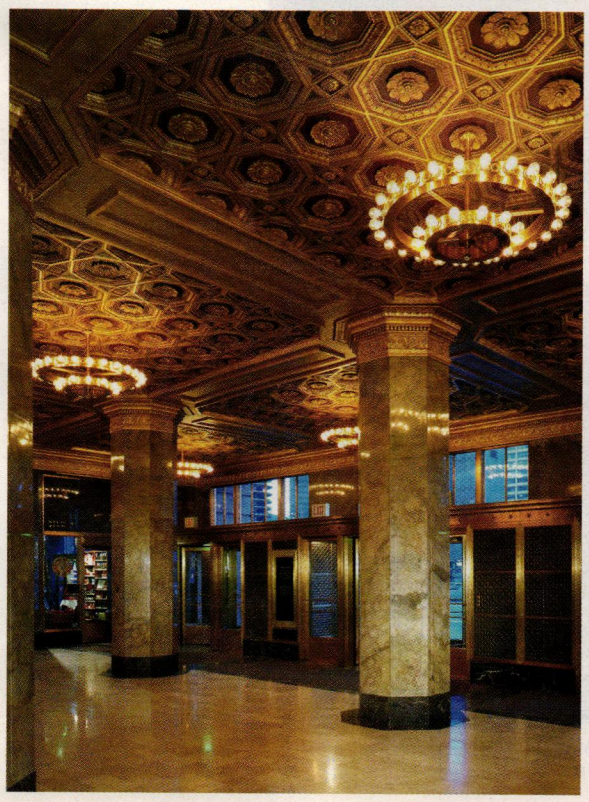
Ludowici Roof Tile's lightweight ceramic shake tile is designed to look like wood and carries a 75-year warranty. *Key in no. 2760*

Interior Elements, Ornament & Finishes

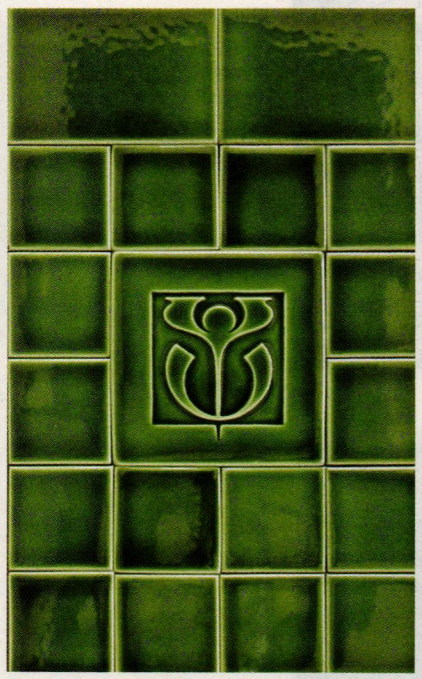
To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

Abatron provides moldmaking and custom casting services for both exterior and interior architectural elements. *Key in no. 1300*

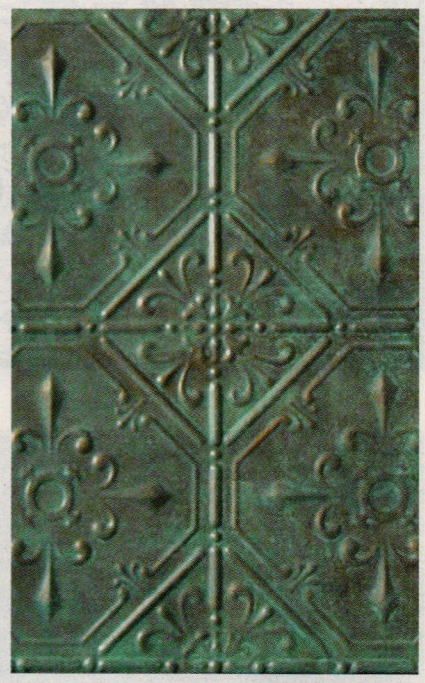
Ceiling panels with historical patterns are the specialty of **Brian Greer's Tin Ceilings, Walls & Unique Metal Work**. *Key in no. 966*



Conrad Schmitt Studios installed new gilded ornamental plaster to a previously bare ceiling at 35 East Wacker Dr., Chicago, IL. *Key in no. 8040*

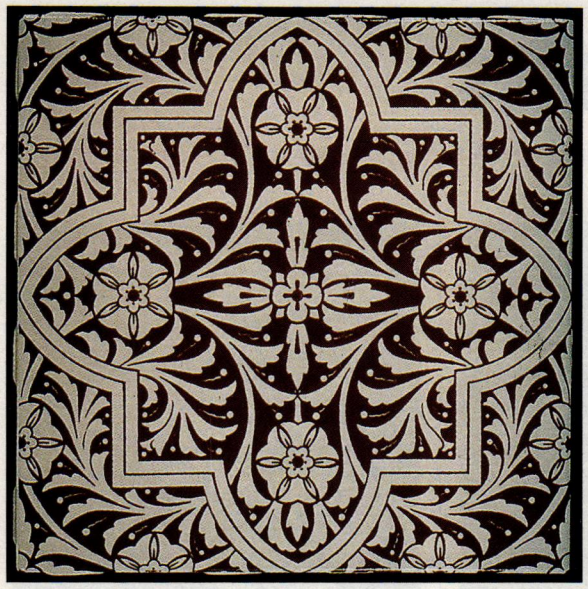


This glazed tile with a tulip design was handmade by **Carreaux du Nord**. *Key in no. 1990*

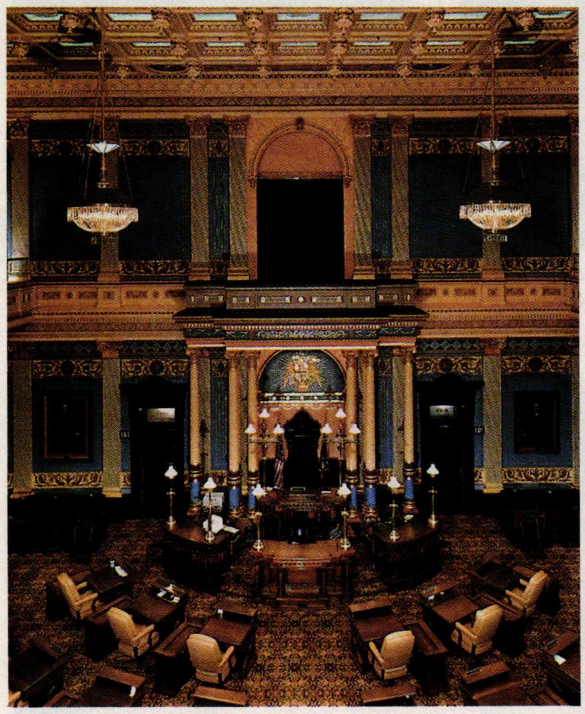


Chelsea Decorative Metal's traditionally styled tin-ceiling patterns have hand-painted finishes. *Key in no. 190*

This 20x30-ft. ceiling was created by **Felber Ornamental Plastering** in a style made popular in the 1760s and 1770s by the English architects Robert and James Adam. *Key in no. 2890*

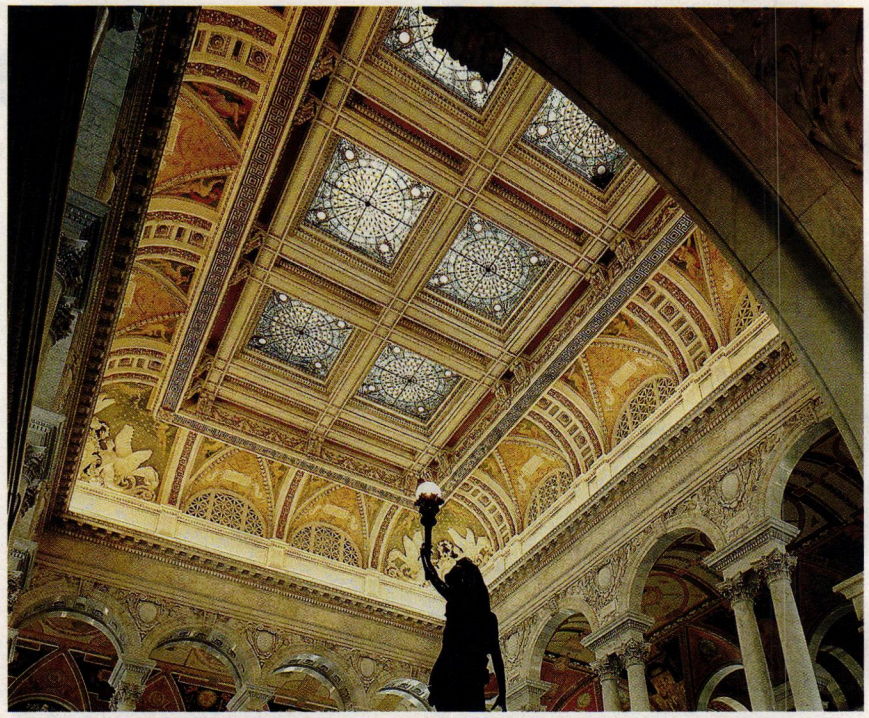


This sepia- and cream-colored 6x6-in. tile is one of many Victorian Gothic Revival designs available from **Designs in Tile**. *Call for more information.*

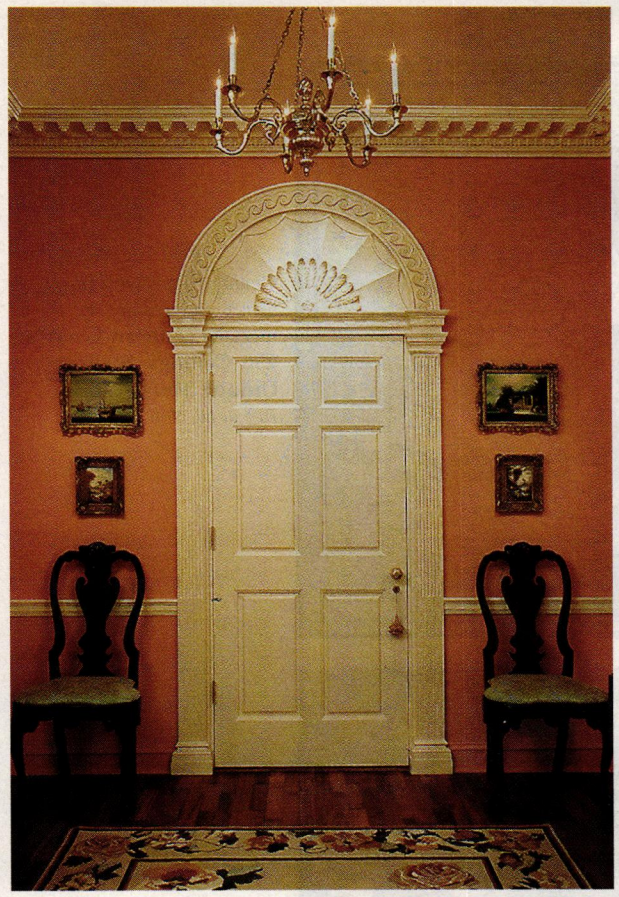


Canning Studios restored the decorative painting scheme for the Michigan State Capitol in Lansing, MI. *Key in no. 5100*

Rambusch did the decorative painting and restoration of the interior of Saint Joseph's Church in Biddeford, ME. *Key in no. 8002*

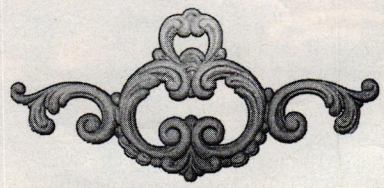


EverGreene Architectural Arts worked on the restoration of the West Main Pavilion of the Library of Congress in Washington, DC. *Key in no. 2460*



Goodwin Associates supplied the polyurethane door surround and crown molding for this room. *Key in no. 806*

Leo Uhlfelder offers a variety of interior gilding products. *Key in no. 810*



Superior Moulding's line of embossed wood appliques includes the model #3320 which measures 12¾ x 6⅛ in. *Key in no. 138*

Timeless Interiors and Fine Works of Art

Conrad Schmitt Studios Inc.

Excellence in Artistry Since 1889

The Cathedral of the Immaculate Conception in Springfield, Illinois was originally built in 1927 and inspired by the design of Santa Maria Maggiore in Rome. First, a rendering, then an onsite decorative sample was executed to illustrate the proposed colors, glazes, gilding and tromp l'oeil patterns, as well as, the restored scagliola columns.

With a unified artistic vision, the Studios' experienced staff of artists and craftsmen provide a variety of disciplines to be a single source for all of a project's aesthetic needs. Today, as in the past, Conrad Schmitt Studios is dedicated to providing beauty, quality and longevity in every endeavor.

■ Decorative Painting ■ Ornamental Plaster & Scagliola ■ Stained Glass ■ Etched Glass ■ Murals ■ Mosaic ■ Sculpture ■ Statuary ■ Fundraising Assistance

800-969-3033 ■ www.conradschmitt.com

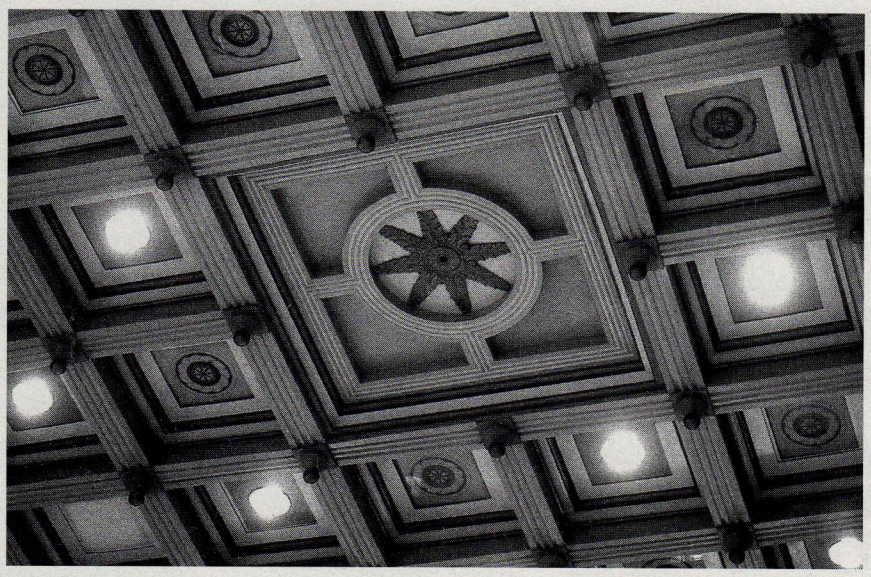
Photo: Terry Farmer Photography

KEY IN NO. 8040

© 2010 Conrad Schmitt Studios Inc.

Appliqués and corbels from **Architectural Products by Outwater** are available in select woods, polyurethane and polymer resin. *Key in no. 1008*

This Oriental-style ceiling was created using pressed-tin panels from **W.F. Norman Corp.** *Key in no. 520*

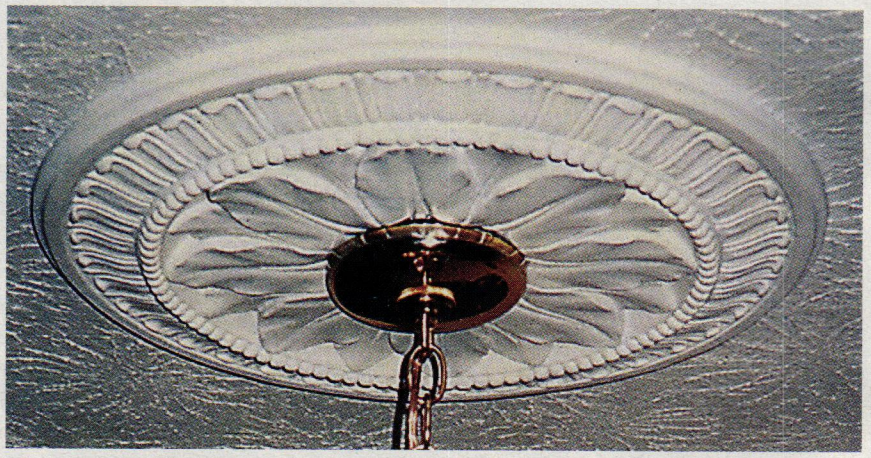


NIKO fabricated and installed these pressed-metal coffers. *Key in no. 861*

This Art Deco-style room features custom chinoiserie wall panels and three levels of silver-gilt moldings hand painted by **Lynne Rutter Murals & Decorative Painting**. *Key in no. 4710*

A wide variety of plaster moldings for interior use are available from **Palladio Mouldings**. *Key in no. 1994*

Large brackets such as the Dove's Wing are available from **Vintage Woodworks**. *Key in no. 1061*



The plaster medallion for this ceiling was manufactured by **Fischer & Jirouch Co.** *Key in no. 1960*

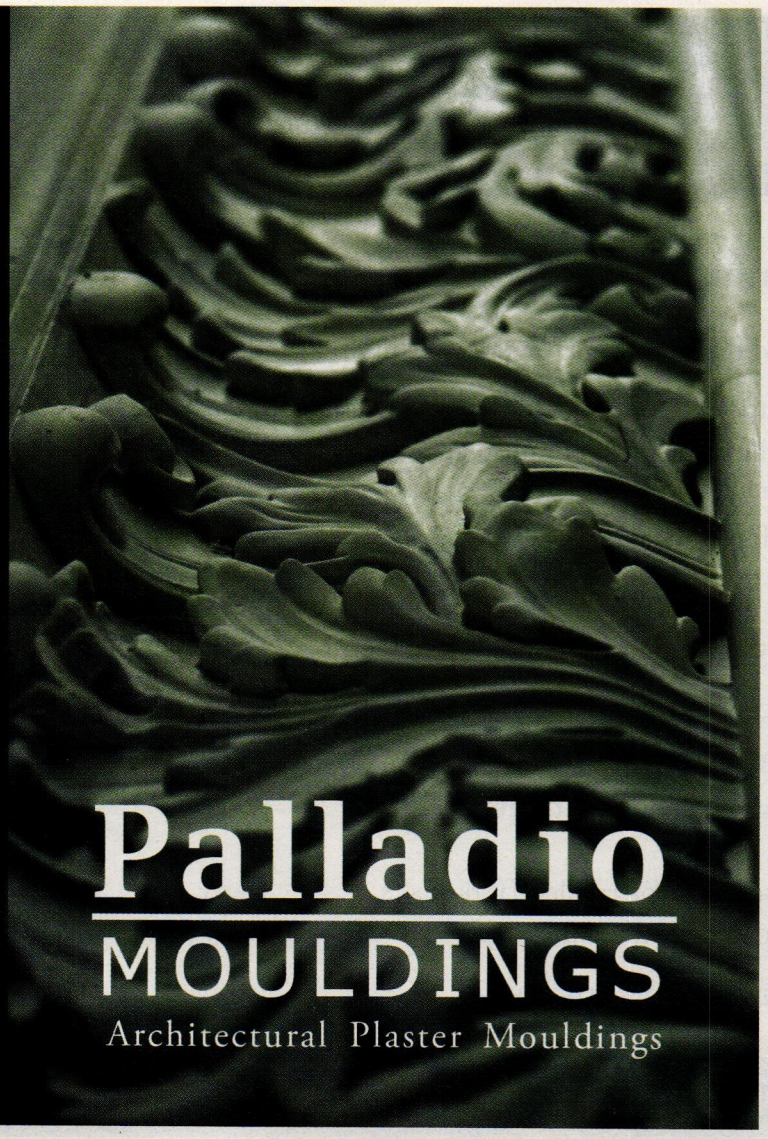
SUPERIOR MOULDING INC.

We specialize in a full line of mouldings and quality finish materials including corbels, stair parts, doors, windows, mantels, appliques, carvings and a full line of hardwood flooring. Let our friendly sales staff help you transform your house into a beautiful home.

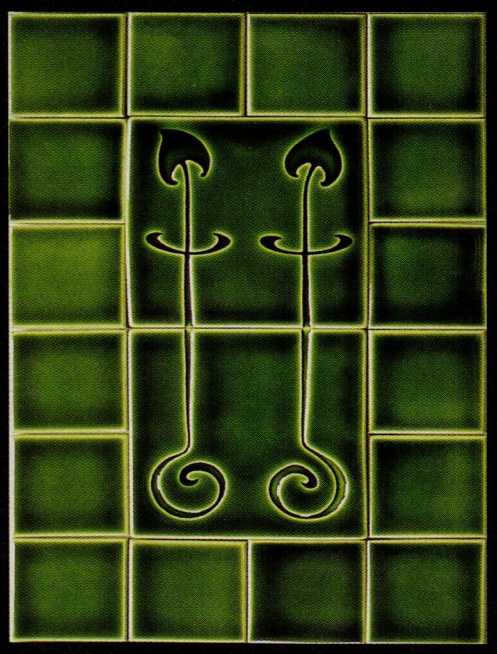
800-473-1415 818-376-1314 fax

5953 Sepulveda Blvd., Van Nuys, California 91411 www.superiormoulding.com

KEY IN NO. 138



KEY IN NO. 1994



CARREAUX DU NORD

Fine Art Tile for architecture

SINCE 1995

920 553-5303

CARREAUXDUNORD.COM

KEY IN NO. 1990

The historically authentic Subway Ceramics collection features pencil-thin grout lines, a flat tile surface, and reproduction moldings, trim and accessories characteristic of early 20th century ceramic tilework.

SUBWAY CERAMICS®

www.subwayceramics.com

KEY IN NO. 1794

I · N · T · B · A · U

PATRON: HIS ROYAL HIGHNESS THE PRINCE OF WALES

The International Network for Traditional Building, Architecture & Urbanism is a worldwide organization dedicated to the support of traditional building, the maintenance of local character and the creation of better places to live. **www.intbau.org**

Call for Entries

THE 2011 PALLADIO AWARDS

Honoring Excellence in Traditional Commercial, Institutional & Public Design

Co-produced by *Traditional Building* and *Period Homes* and the Traditional Building Exhibition and Conference

The Palladio Awards are named in honor of Andrea Palladio, the Renaissance architect who created modern architecture for his time while using models from the past for inspiration and guidance.

Palladio Awards for Commercial, Institutional & Public Architecture will be considered in five categories:

Restoration & Renovation
Adaptive Reuse &/or Sympathetic Addition
New Design & Construction – less than 5,000 sq.ft.
New Design & Construction – more than 5,000 sq.ft.
Public Spaces: Parks, Plazas, Gardens, Streetscapes

Corresponding awards will also be made for residential projects.
Judging is by a panel of distinguished design professionals selected by the editors of *Traditional Building* and *Period Homes*.

The deadline for entries is November 19, 2010.

For details on the awards program, judging criteria and submission requirements, go to www.palladioawards.com

Designs ◆ In Tile

Ceramic Tiles • Borders • Murals
Since 1978

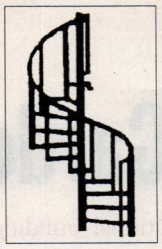
"Historic White" Subway Tiles & Trim
Matches Historic Tile from 1880's – 1930's
True 3x6 • 6x6 • 4" Hex • 4-1/4 x 4-1/4
With Matching Trim: Surface Bullnose, Quarter Rounds, Decorative P-cap & more!

IN STOCK AND READY FOR DELIVERY
ORDER DIRECT FROM OUR WEB STORE

www.designsintile.com • 530.926.2629

KEY IN NO. 250

SPIRAL STAIRCASES CUSTOM BUILT TO YOUR ORDER



Complete with wooden railing. The most attractive and priced far below the rest.

Prices start at $595 for metal stairs,
$1,640 for all wood stairs.
SEND FOR FULL COLOR BROCHURE
OR CALL 800-536-4341.

Goddard Manufacturing
Box 502 Dept. TB • Logan, KS 67646
www.spiral-staircases.com

KEY IN NO. 4780

www.delfttiles.com
Original Hand Made
Dutch Delft Tiles, Holland

KEY IN NO. 1808

BRIAN GREER'S
TIN-CEILINGS
(519) 743-9710
www.tinceiling.com

KEY IN NO. 966

AMERICAN RESTORATION TILE, INC.

Manufacturer of Custom Historical Tile
11416 Otter Creek South Road
Mabelvale, AR 72103
501.455.1000

* 1" Hexagon
* ¾" x ¾" Square
* ¾" x 1⅞" Subway
* Basketweave
* Spiral
* All other historical sizes

Email: bebyrd@restorationtile.com
Visit our website:
www.restorationtile.com

KEY IN NO. 8032

Leo Uhlfelder Co.

For the Ultimate in Gold Leaf

GIUSTO MANETTI FIRENZE GOLDBEATERS

TRADE MARK

Offering the largest, most comprehensive selection of high quality German and Italian Gold Leaves, both virtually pinhole free
Popularly priced to assure high profits
XX Deep-Patent - Glass-Gold
Roll Gold-Palladium Leaf - Moon Gold
Composition Gold Leaf and Aluminum Leaf
...and High Quality Guilding Deserves

LUCO
GOLD SIZE
Available in both Quick & Slow Forms

*All Orders Shipped Within 24 Hours

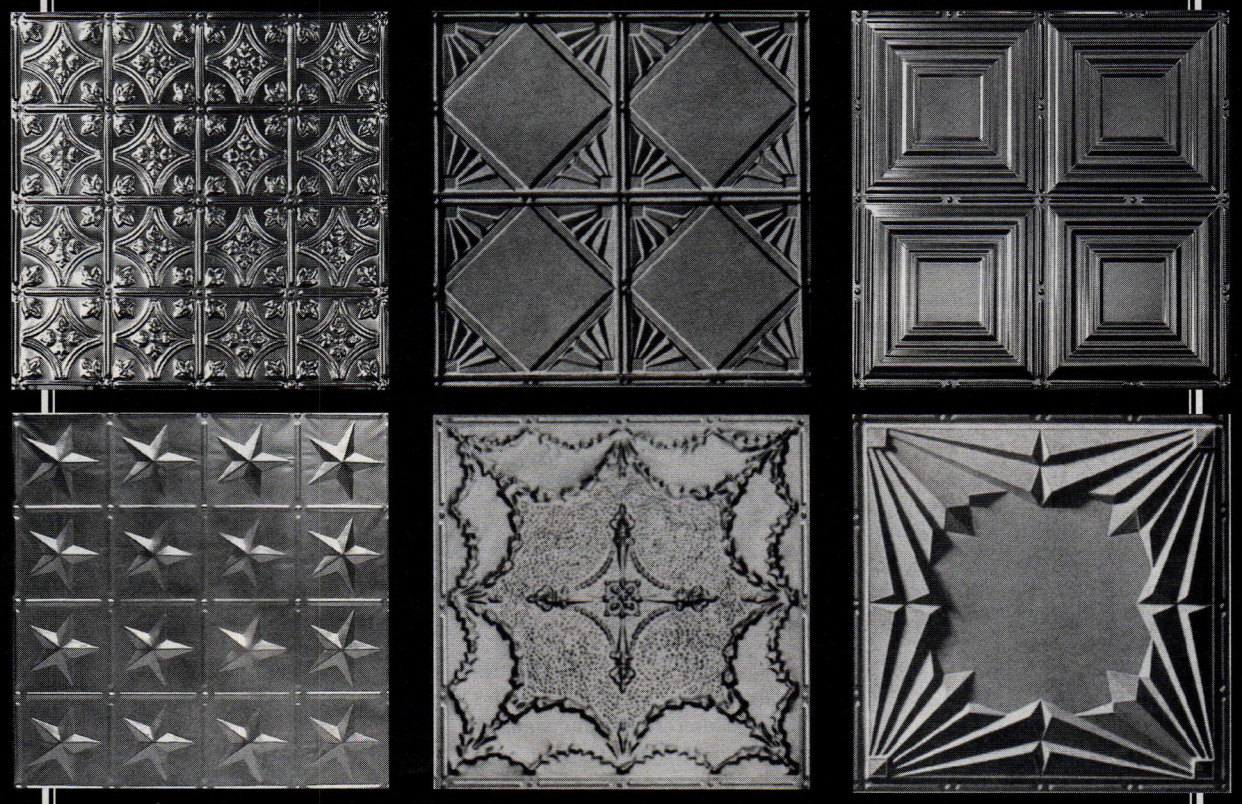
Both imported by
Leo Uhlfelder Co.
420 S. Fulton Ave., Mt Vernon, NY 10553
(914) 664-8701
Fax: (914) 664-8728
email: uhlfelder@aol.com
Website: uhlfeldergoldleaf.com

KEY IN NO. 810

www.traditional-building.com

the TIN MAN™

ORIGINAL DESIGNS • PRESSED-TIN CEILINGS



SHOP & COMPARE! AS A MANUFACTURER WE OFFER SOME OF THE LOWEST PRICES

713/721-9200 **CHELSEA DECORATIVE METAL CO.**
8212 BRAEWICK DRIVE • HOUSTON, TEXAS 77074

6", 12" & 24" PATTERNS ~ COMMERCIAL • RESIDENTIAL

PayPal

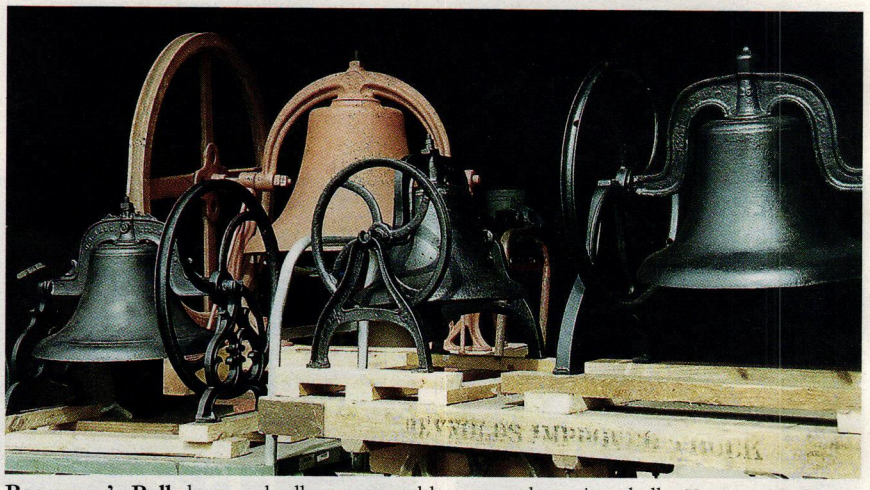
TheTinman.com

KEY IN NO. 190

Landscape, Streetscape & Garden Specialties

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

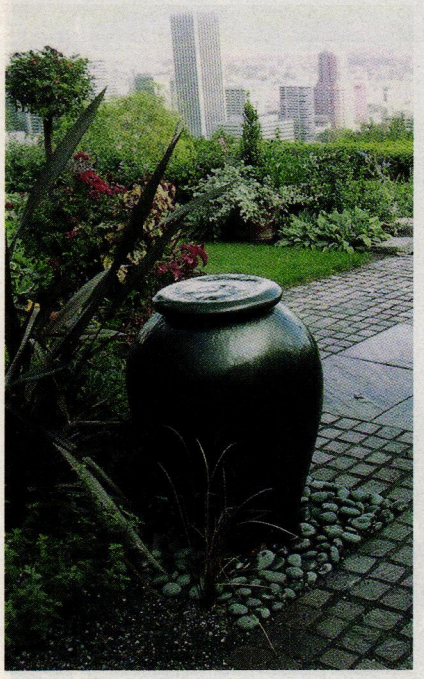
The Shang-style bamboo fence is available from **Bamboo & Rattan Works** in 4x4-, 4x6- and 6x4-ft. panels. *Key in no. 5830*



Brosamer's Bells buys and sells pre-owned bronze and cast-iron bells. *Key in no. 7130*

Red cedar beams from **Bear Creek Lumber** were used to create this pergola. *Key in no. 521*

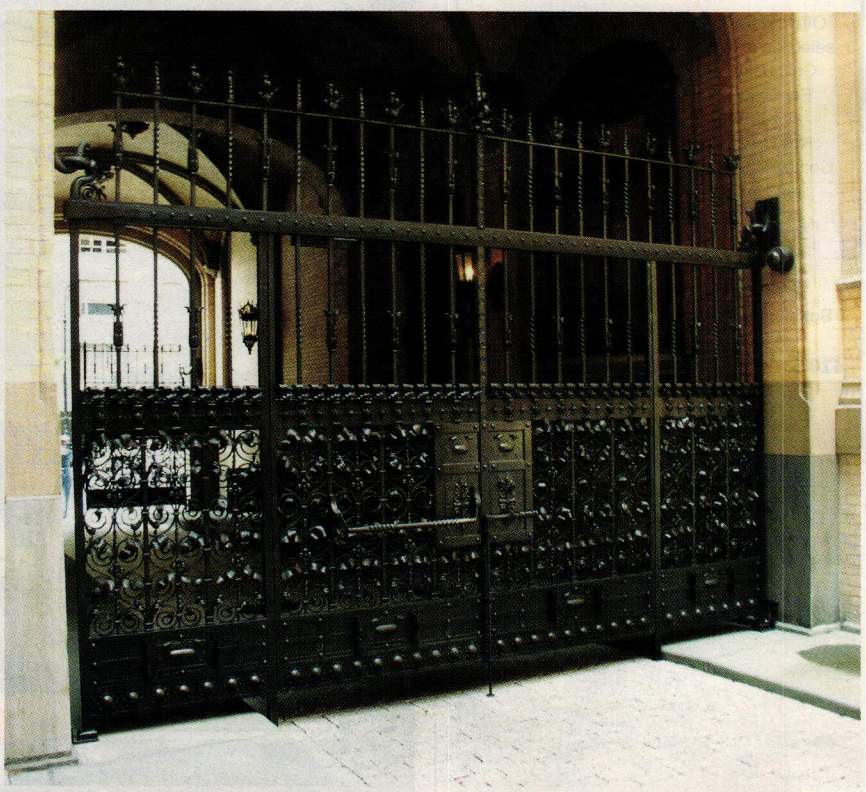
This ornamental fencing was custom fabricated by **DeAngelis Iron Work**. *Key in no. 1023*



This oil jar with a graphite finish is available from **Gladding, McBean**. *Key in no. 6010*

Concrete planters are available from **Doty & Sons Concrete Products** in many sizes. *Key in no. 2090*

This 41-in. tall acid-washed Venice Jar Fountain from **Concrete Creations** hides the fountain equipment in the base.



Fine Architectural Metalsmiths created this 10-ft. tall double-pedestrian gate with side panels for a landmark building in New York City. *Key in no. 2640*

No 9 Studio UK

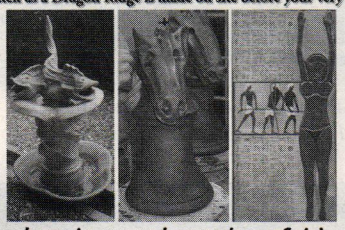
Hand made Architectural Ceramics
free Works DVD on our web site

If you can imagine it, we can make it

Our message in a chimney pot to you is:
either
Phone us on:
+44(0)1769 540471
or
Email us on:
marek@no9uk.com
but visit
www.no9uk.com

Over to YOU

From Dragon Finials to Erotic Fairy Chimney Pots
Gurgling Fish Fountains to Massive Civic Murals
Watch as a Dragon Ridge is made on site before your very eyes

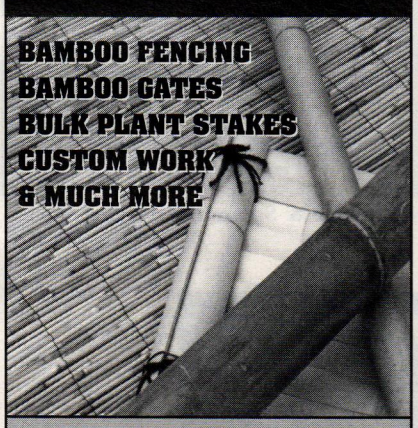


www.keramix.com and www.dragonfinials.co.uk

KEY IN NO. 1672

BAMBOO & RATTAN

BAMBOO RATTAN WORKS INCORPORATED



WWW.BAMBOOANDRATTAN.COM

CALL US TOLL FREE
(800).4.BAMBOO

KEY IN NO. 5830

When **contacting** companies you've seen in the issue, please **tell them** you saw their listing in Traditional Building.

Style Redefined

If you want performance with style from cast stone, Haddonstone redefines the standard. From balustrading, quoins, columns, porticos, door and window surrounds to custom architectural designs.

Haddonstone is sometimes surprising, always stylish.

Acquire our new 208 page catalogue or a CD Rom with full technical information by registering on our website or call toll free 866 733 822.

HADDONSTONE

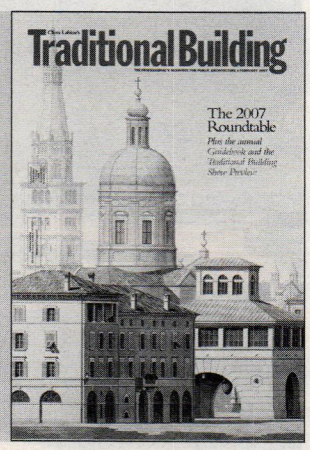
www.haddonstone.com

32207 UNITED AVENUE • PUEBLO • COLORADO • CO 81001
(719) 948 4554 • stone@haddonstone.co.uk

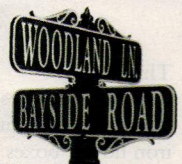
COLORADO • NEW JERSEY • NORTHAMPTONSHIRE

KEY IN NO. 4020

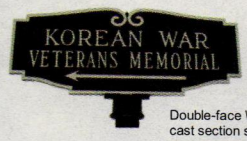
If you'd like to order a gift subscription for a colleague, just call 800-548-0193



Cast Aluminum



Victorian Street sign — 4-way Unit



Double-face William style cast section sign with center mounting cap.

Historical marker with custom logo & center-post mounting hub

Celebrating 102 years of manufacturing quality cast aluminum street signs, plaques, and historical markers.

- **Decorative posts & bases**
- **Vintage-style bollards**
- **Aluminum & bronze plaques**

Lake Shore Industries
1817 Poplar Street
Erie, PA 16502

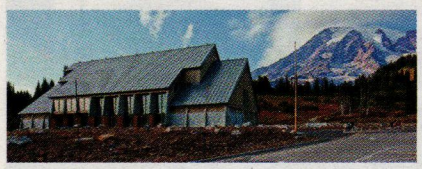
800-458-0463 LSI **fax: 814-453-4293** **www.LSISIGNS.com**

KEY IN NO. 8730

This custom pergola from **Goodwin Associates** uses girders and cross rafters of reinforced board that is maintenance-free and rot-resistant. *Key in no. 806*

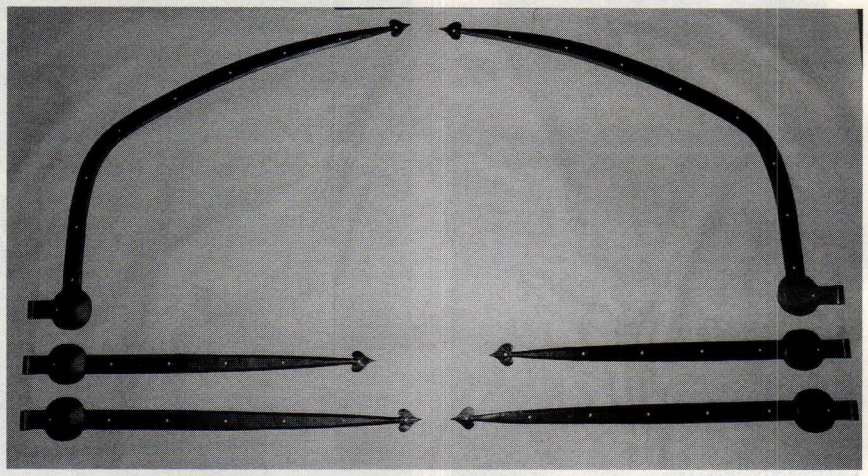
Historical Arts & Casting custom fabricated this fountain in cast bronze for the Governor's Mansion in Annapolis, MD. *Key in no. 1210*

The Frank E. McKinney Jr. bowl fountain in Bloomington, IN, was fabricated by **Schiff Architectural Detail**. *Key in no. 7730*



A 35-ft. natural-finish Douglas fir flagpole fabricated by **Hennessy** stands in front of the Visitor Center at Mt. Ranier National Park in Washington state.

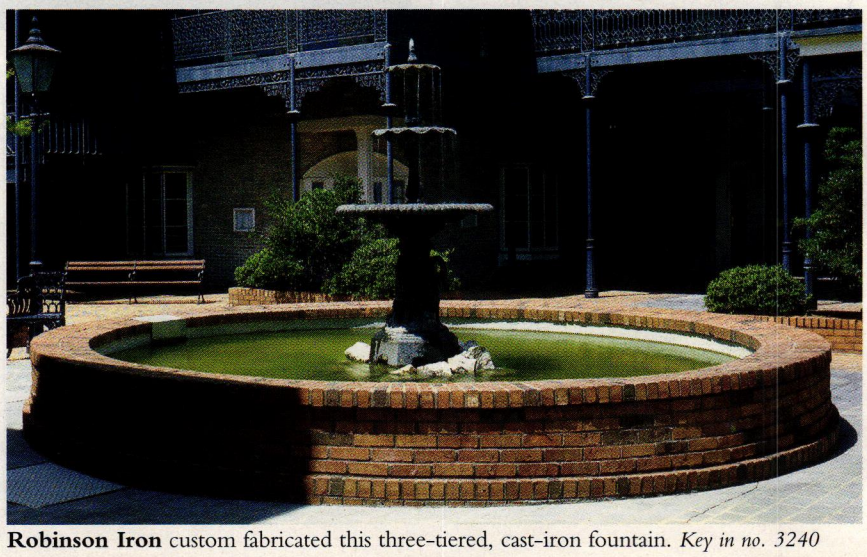
Street clocks in historical styles are the specialty of **Herwig Lighting**. *Key in no. 9130*



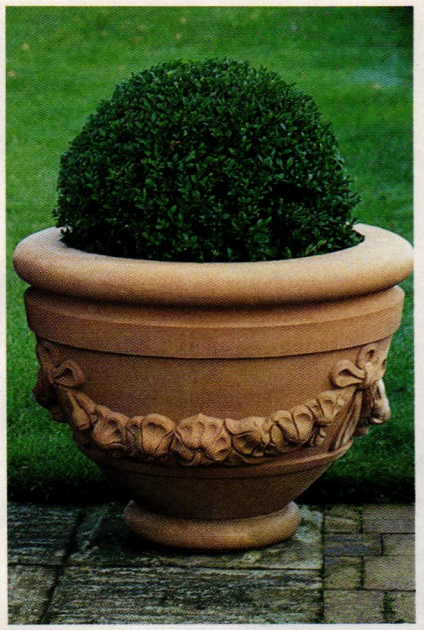
These heart finial custom-forged strap hinges from **Kayne & Son** can be used on wooden gates or fences. *Call for more information.*

These stone pavers were supplied by **Krukowski Stone Co.**

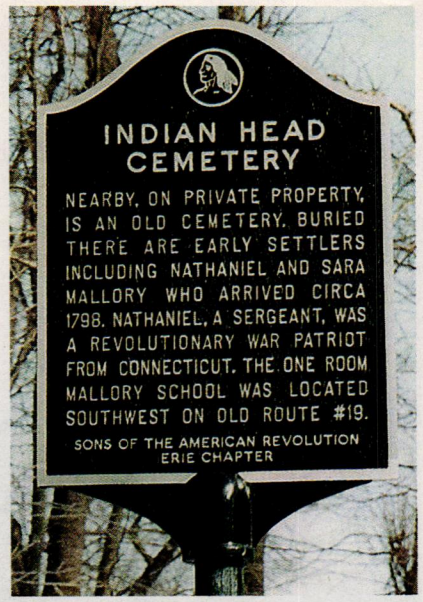
This wrought-iron trellis features matching wrought-iron flower boxes with repousse-style copper liners; it was designed and fabricated by **Wiemann Metalcraft**. *Key in no. 1223*



Robinson Iron custom fabricated this three-tiered, cast-iron fountain. *Key in no. 3240*

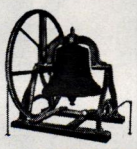


This cast-stone planter from **Haddonstone** is based on a design by Mary Watts for the Compton Potters' Arts Guild. *Key in no. 4020*



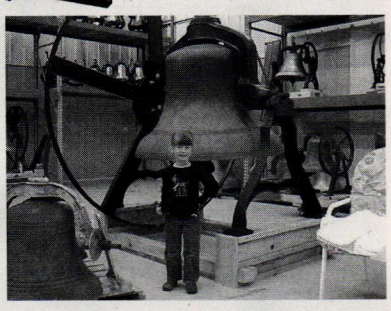
Lake Shore Industries manufactured this 18x24-in. cast-aluminum historical marker to mark the site of an early American cemetery. *Key in no. 8730*

Authentic antique street pavers from **Gavin** were used for this driveway. *Key in no. 8079*



Brosamer's Bells, Inc.

THE WORLD'S LARGEST DEALER OF
PRE-OWNED BRONZE & CAST IRON BELLS



WE ARE THE
AFFORDABLE
SOURCE FOR
CHURCH BELLS.

We purchase and remove bells that are no longer needed, and provide bells for those who need them.
Our prices are unbeatable.

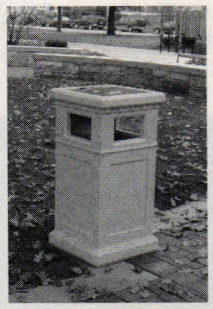
CHECK NEW BELL PRICES, THEN CALL US.
We have a list of many satisfied customers worldwide.
In addition to church and tower bells, we also carry steam locomotive and fire bells, and yard bells in many shapes and sizes.
Visit our website to see hundreds of bells.
www.brosamersbells.com
212 Irwin St., Brooklyn, Michigan 49230
Phone: 517-592-9030 • Fax: 517-592-4511

KEY IN NO 7130

NEW!
PRODUCT LITERATURE
ONLINE
www.traditional-building.com

Concrete Designs by Doty & Sons

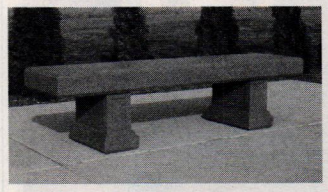
Quality Products Since 1948



Morrison Side Feed Litter Receptacle
Item No. LR2142

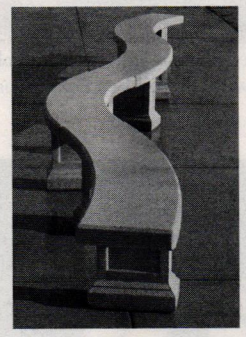
Custom curved benches shown for outdoor classroom.

Morrison Style Planters
10 sizes available



Morrison Bench

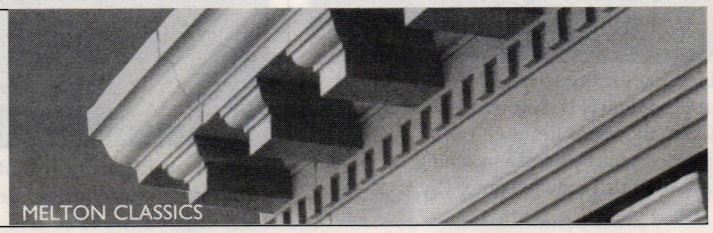
Doty & Sons
Concrete Products, Inc.
1275 E State St.
Sycamore, IL 60178
Toll Free: 800-233-3907
Fax: (815) 895-8035
www.dotyconcrete.com
e-mail: info@dotyconcrete.com



Curved Benches: Standard, Semi-Custom and Custom

KEY IN NO. 2090

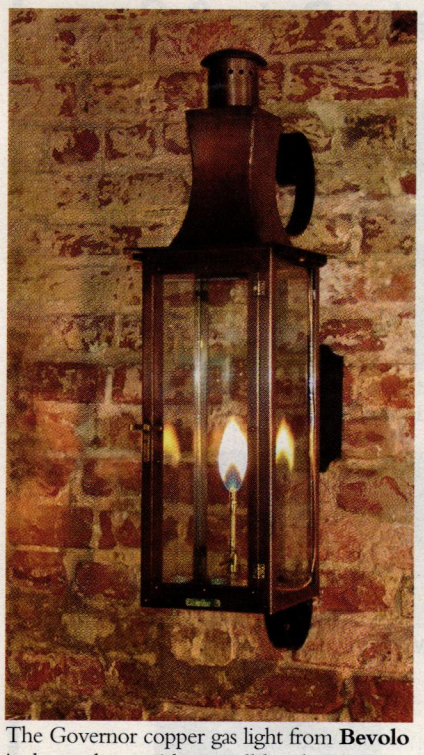
restoration & new construction
www.traditional-building.com



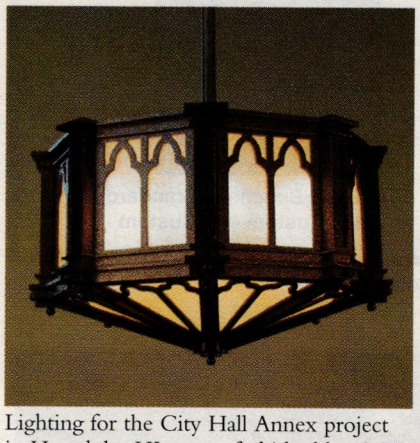
Lighting & Electrical

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

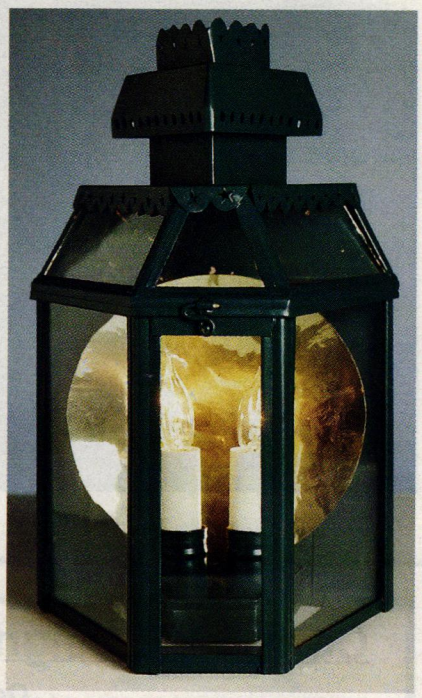
This traditionally styled chandelier was fabricated by **Authentic Designs**. *Key in no. 60*



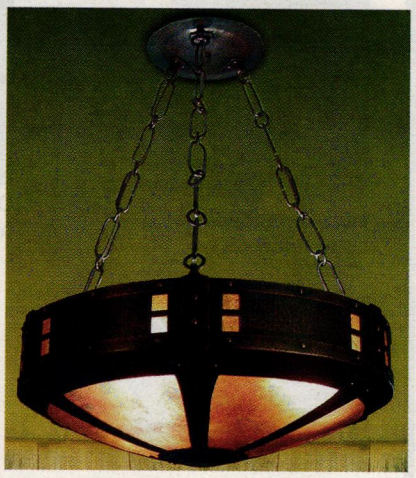
The Governor copper gas light from **Bevolo** is shown here with a scroll bracket. *Key in no. 166*



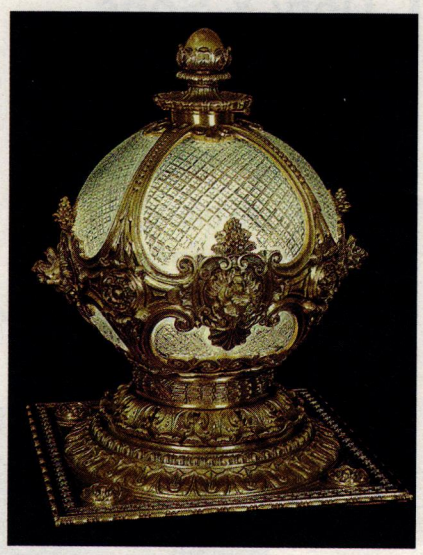
Lighting for the City Hall Annex project in Honolulu, HI, was refurbished by **C.W. Cole**; the renovations consist of 18- and 30-in. chandeliers and a matching 18-in. surface-mounted ceiling fixture. *Key in no. 488*



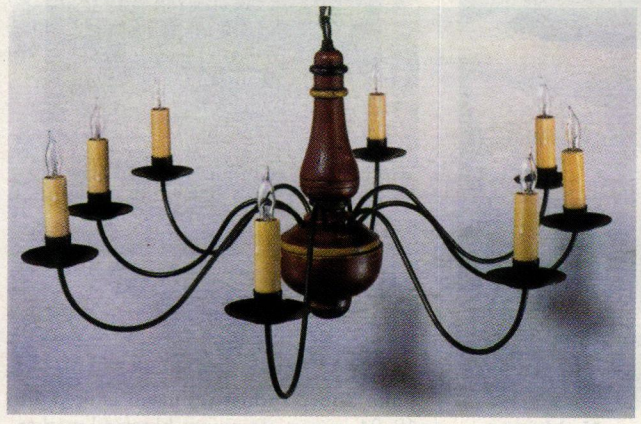
Ball & Ball Lighting This historically styled lantern is available from **Ball & Ball Lighting**. *Key in no. 7660*



The hammered chandelier was handcrafted in solid copper and mica by **Craftsmen Hardware Co**. *Key in no. 6980*



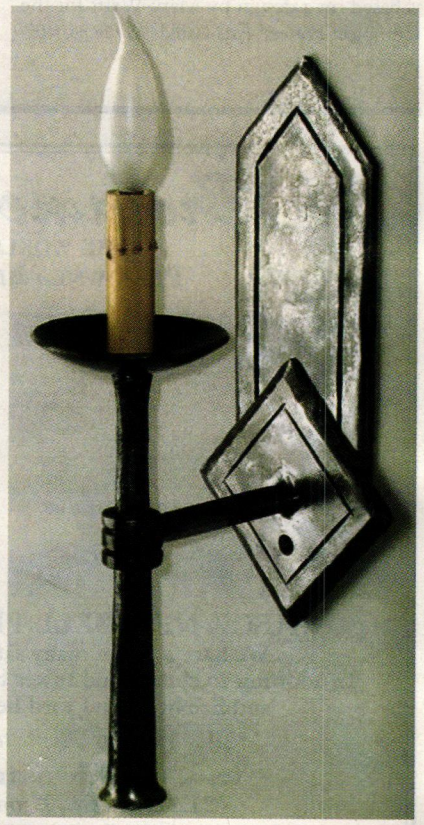
Crenshaw Lighting manufactured this replication fixture for the Pennsylvania State Capitol. *Key in no. 313*



This handcrafted wood oval chandelier from **Josiah R. Coppersmythe** measures 25 in. wide x 14 in. tall. *Call for more information.*

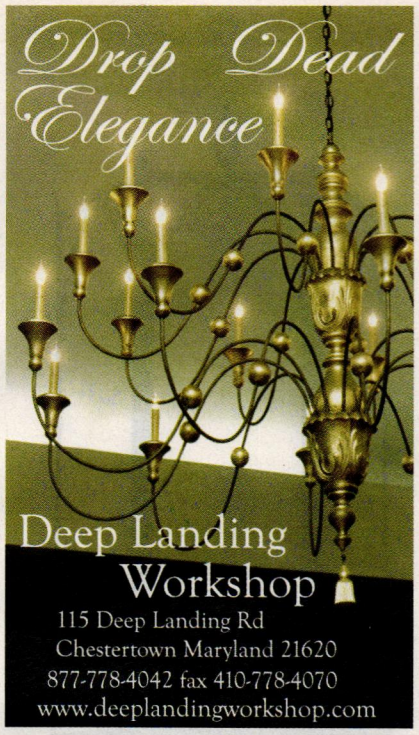
This European-style lantern from **Distinguished Home Lighting** is made of cast brass.

This six-sided wall lantern with scroll is available from **Lantern Masters**. *Key in no. 1239*



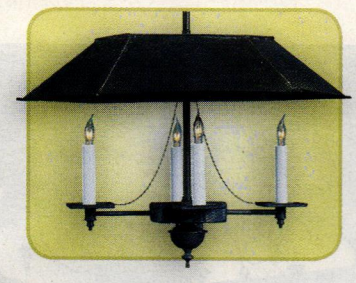
This pre-wired wall torchère from **Fine Architectural Metalsmiths** features a hand-hammered candle cup above a tapered base. *Key in no. 2640*

The La Scala chandelier is available from **Steven Handelman Studios** in two sizes; companion sconces and semi-flush-mount fixtures are also offered. *Key in no. 483*



KEY IN NO. 809

MAKERS OF
Early American & Colonial Lighting
Handcrafted in Vermont



AUTHENTIC DESIGNS
The Mill Road • West Rupert, Vermont 05776
(802) 394-7713 • Fax (802)394-2422
www.authenticdesigns.com
Catalogues – $4.00 each

KEY IN NO. 60

The fastest way
to get supplier catalogs

This issue's "Free Product Literature" Form is now online. Literature requests are e-mailed directly to advertisers for fastest action. To use this online service:

- Log onto www.traditional-building.com
- Click on "Free Product Literature"
- Select "Issue Product Literature Card"

three easy steps
to access hundreds of suppliers

Traditional-Building.com

"A Light At The Door Has Always Meant A Warm Welcome." JOHN EHRLICH

THE FEDERALIST proudly presents distinctive outdoor lighting with 18th century design. Our lighting collections include an extensive offering of chandeliers, lanterns, sconces, ceiling mount and outdoor lights. Please call for our color brochures.

THE FEDERALIST®
The finest handmade 18th century reproduction furniture, mirrors, lighting and decorative accessories.

SEE OUR NEW AND EXPANDED WEBSITE: www.thefederalistonline.com

VISIT OUR NEW AND ENLARGED GREENWICH SHOWROOM: 95 East Putnam Avenue

SHOWROOM: 95 East Putnam Avenue, Greenwich, CT 06830
TELEPHONE: (203)625-4727 **FACSIMILE:** (203)629-8775 **EMAIL:** info@thefederalistonline.com

KEY IN NO. 2833

TRADITIONAL PRODUCT
Galleries
A World of Product Images and Information for the Period Design
www.traditionalproductgalleries.com

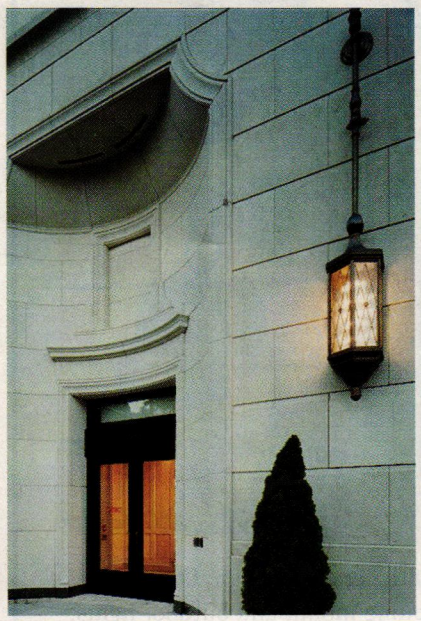
OTTESON COMPANY

AMERICA'S LARGEST SELECTION AND STOCK OF FINE LIGHTING GLASS BY VIANNE. CUSTOM PROJECT SUPPORT.

OTTESON COMPANY
BOX 293060
LEWISVILLE, TX 75029
PHONE: 972-317-3120 FAX: 972-317-2812
WWW.OTTESONGLASS.COM

KEY IN NO. 1045

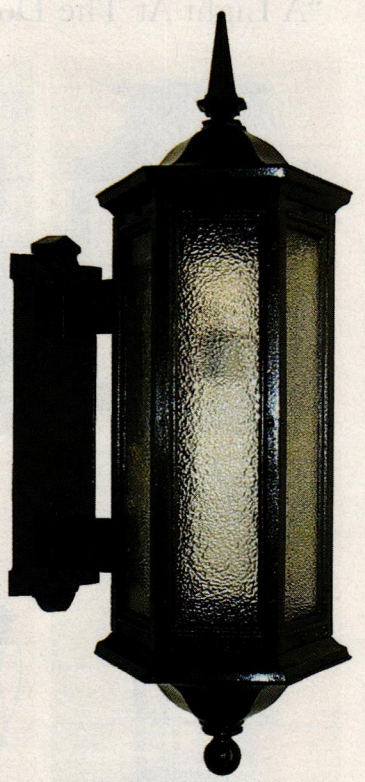
Historical Arts & Casting replicated the original chandeliers of the St. George Tabernacle in St. George, UT. *Key in no. 1210*



These solid cast-bronze exterior lanterns with leaded glass panels were designed and built by **Lighting Nelson & Garrett** for a building designed by Robert A.M. Stern. *Key in no. 1969*

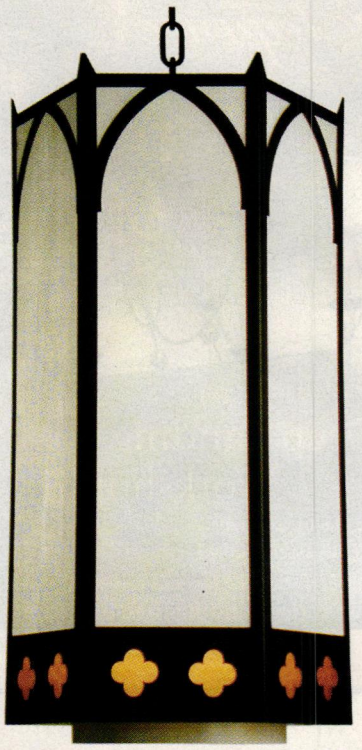
The Jefferson is one of many historic replication lighting fixtures available from **Rejuvenation**. *Key in no. 7630*

This cast-brass mirror with two light sconces is 17 ½-in. tall; it is available from **The Federalist** in this old brass finish and in many other finishes. *Key in no. 2833*



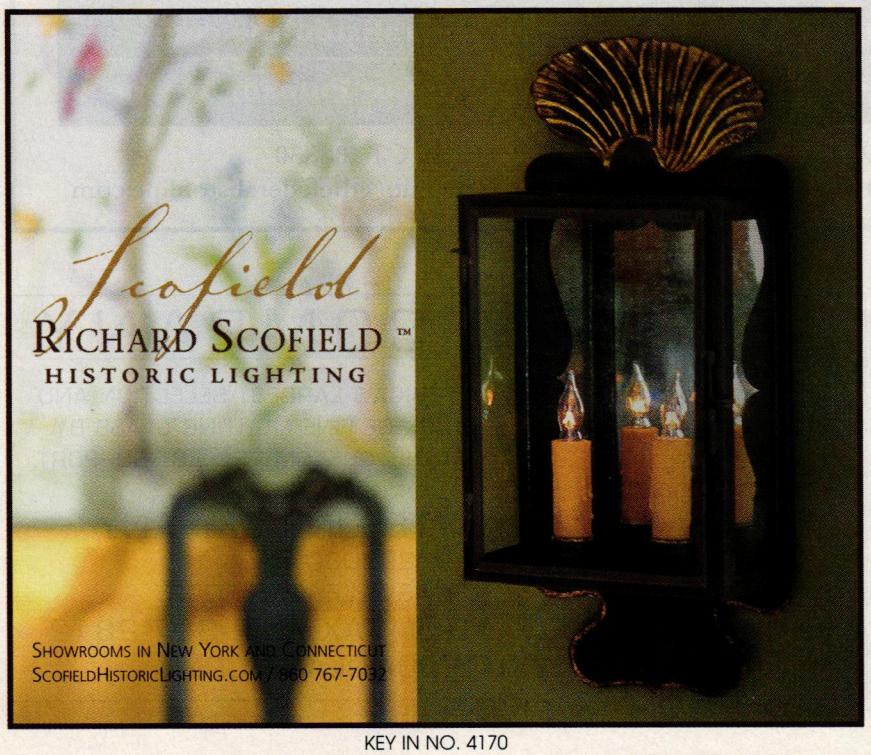
This cast-aluminum sconce from **Herwig**, model #P-490, features the firm's #42 statuary bronze finish and crystal moss glass. *Key in no. 9130*

Otteson manufactured this light shade, model #339 for filter size 3¼. *Key in no. 1045*



The Providence 1000 lantern is one of many Gothic models offered by **Mills Architectural Lighting**. *Key in no. 1410*

This chandelier, model #9600 from **Deep Landing Workshop**, has a 23k gold-leaf finish and a hand-carved spindle. *Key in no. 809*



KEY IN NO. 4170

KEY IN NO. 1410

LIGHTING SOLUTIONS

INNOVATION OR REPLICATION

FOR ARCHITECTS • DESIGNERS • CONTRACTORS

IDAHO STATE CAPITOL

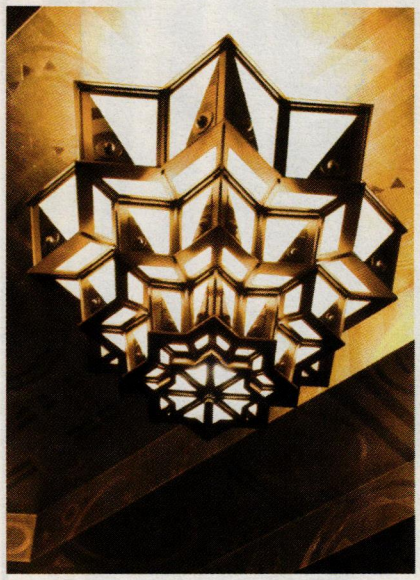
LIGHTING RESTORATION AND REPLICATION BY

SAINT LOUIS ANTIQUE LIGHTING CO.

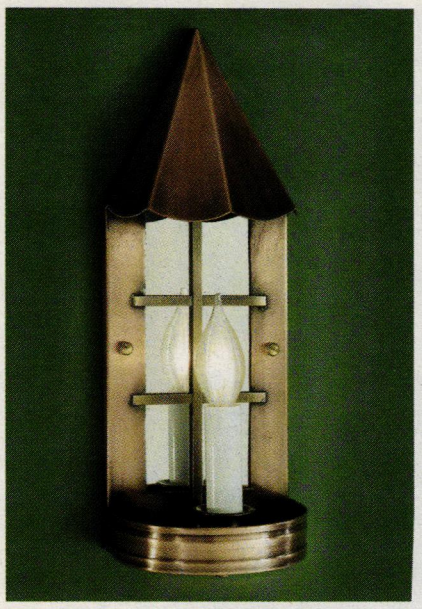
801 North Skinker Boulevard, St.Louis, MO 63130

Phone:(314)863-1414 FAX: (314)863-6702 Email: slalco@slalco.com

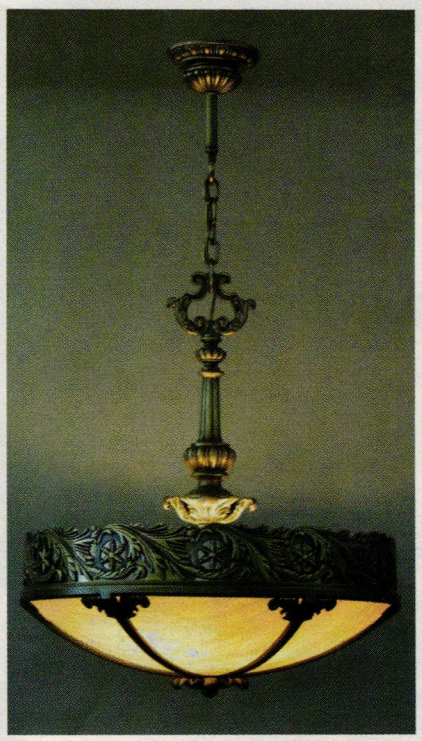
KEY IN NO. 6190



Rambusch created this custom lighting fixture for the restoration of the Empire Sate Building in New York City. *Key in no. 6310*

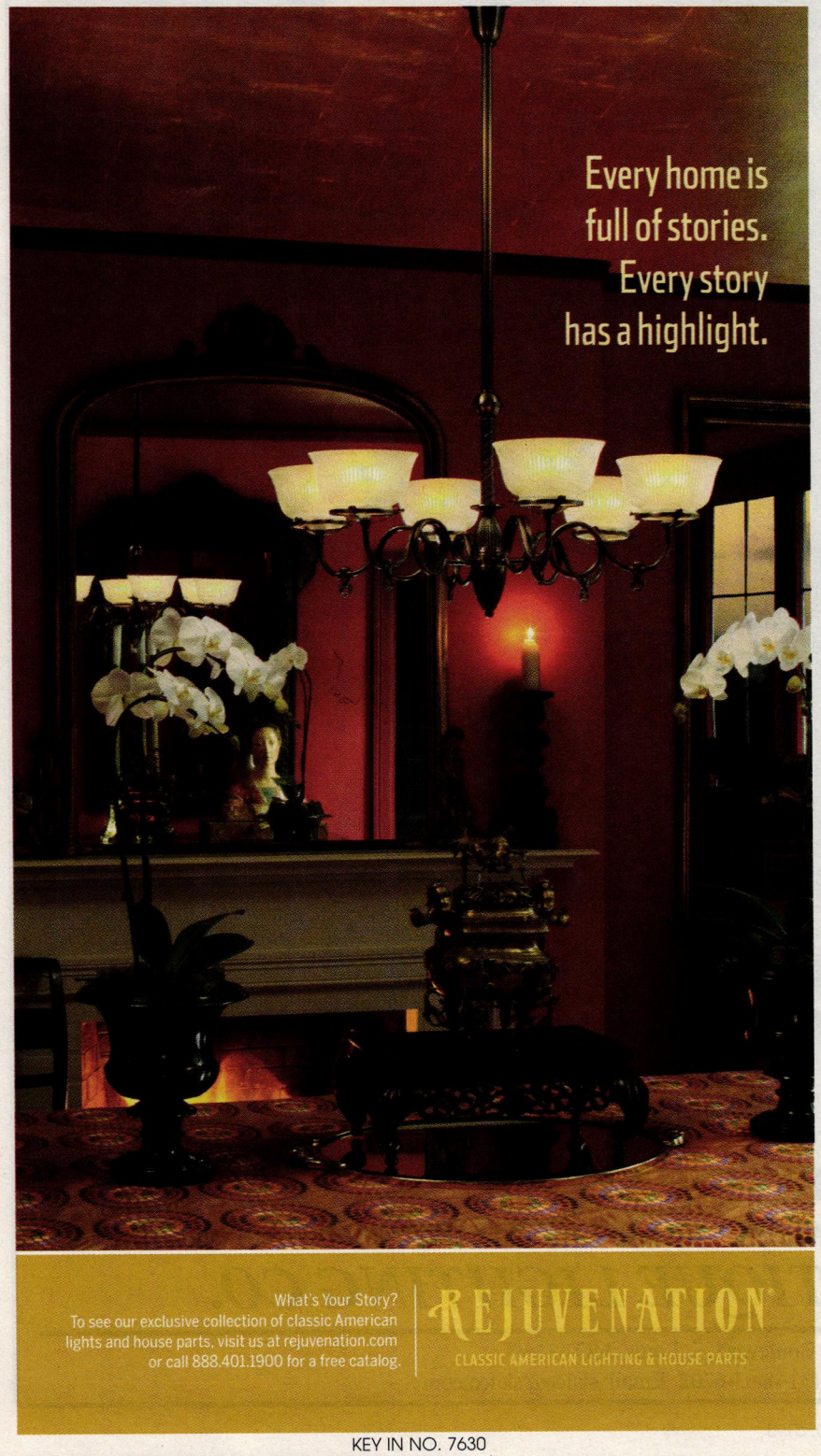


Newstamp manufactures interior and exterior lighting for residential buildings in solid copper and brass. *Key in no. 800*



This pendant light fixture is offered by **St. Louis Antique Lighting Co.** *Key in no. 6190*

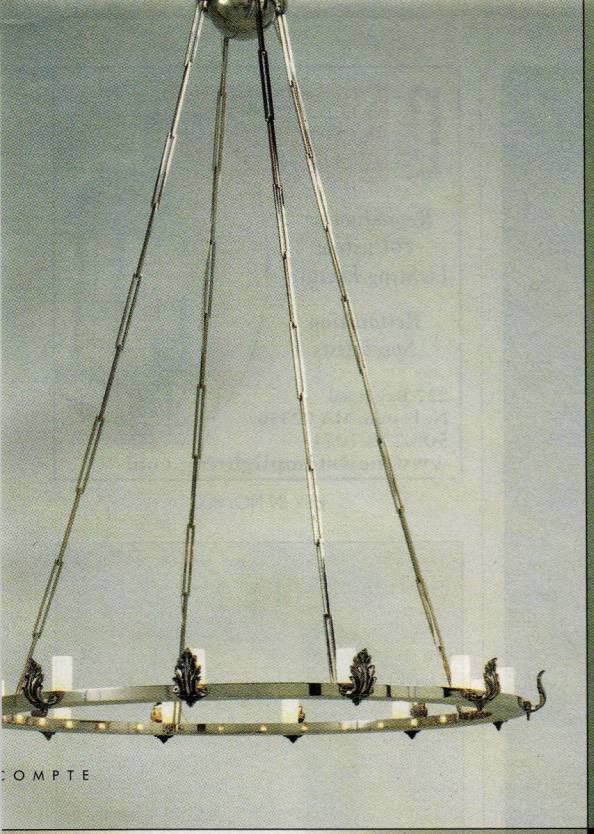
This hexagon-shaped lantern with curved brackets was custom designed by **Scofield Historic Lighting**. *Key in no. 4170*



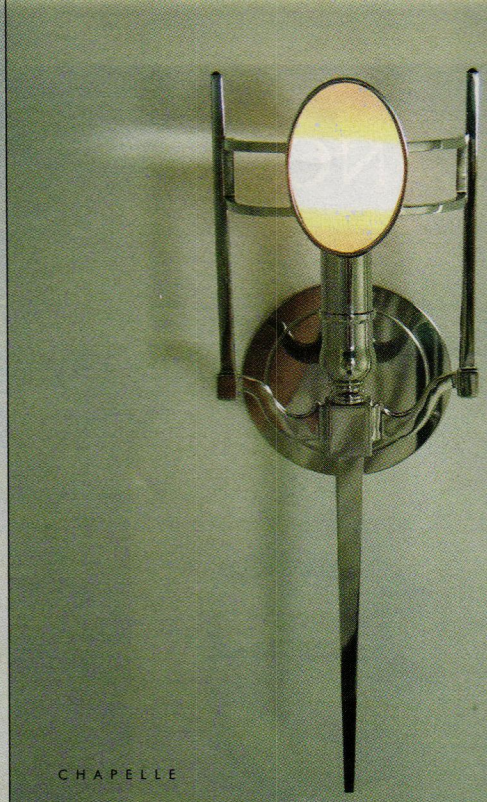
KEY IN NO. 7630

KEY IN NO. 8002 FOR DECORATING & NO. 6310 FOR LIGHTING

KEY IN NO. 483

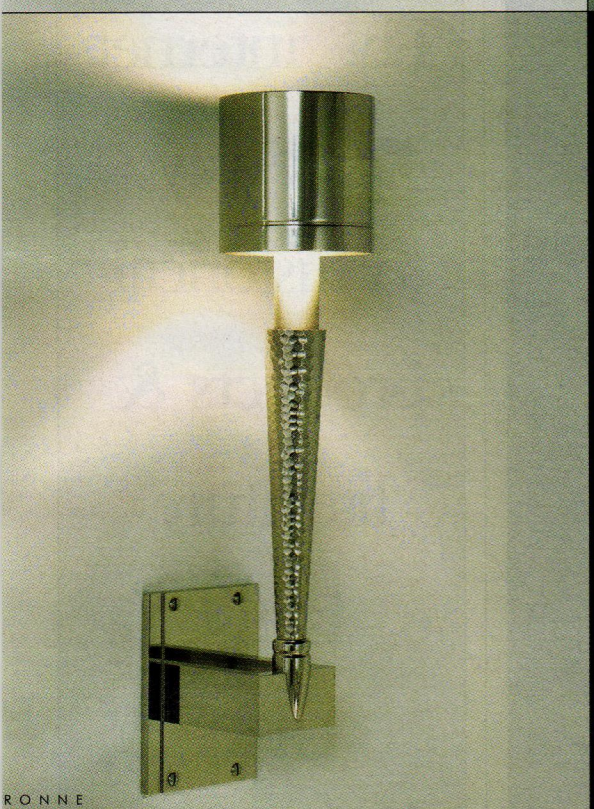


COMPTE



CHAPELLE

PERPIGNAN



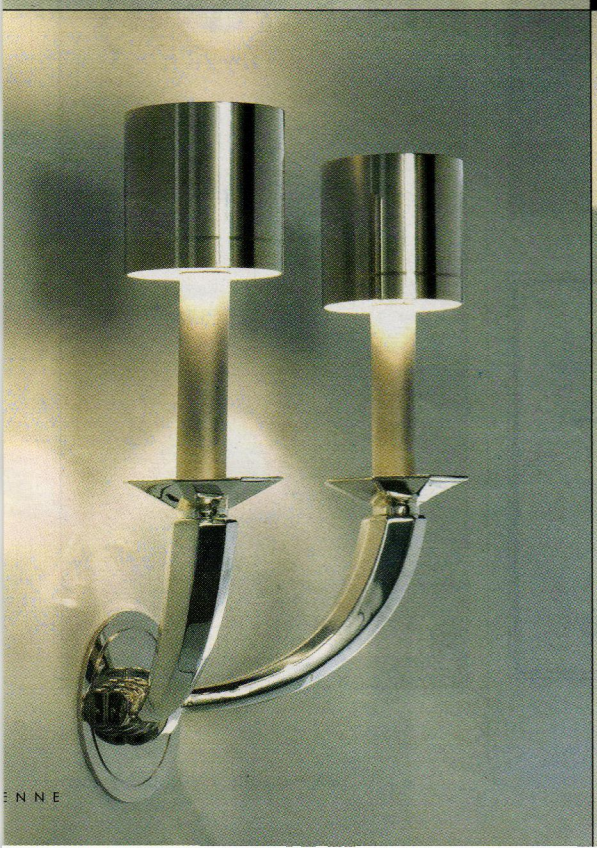
RONNE

J | B

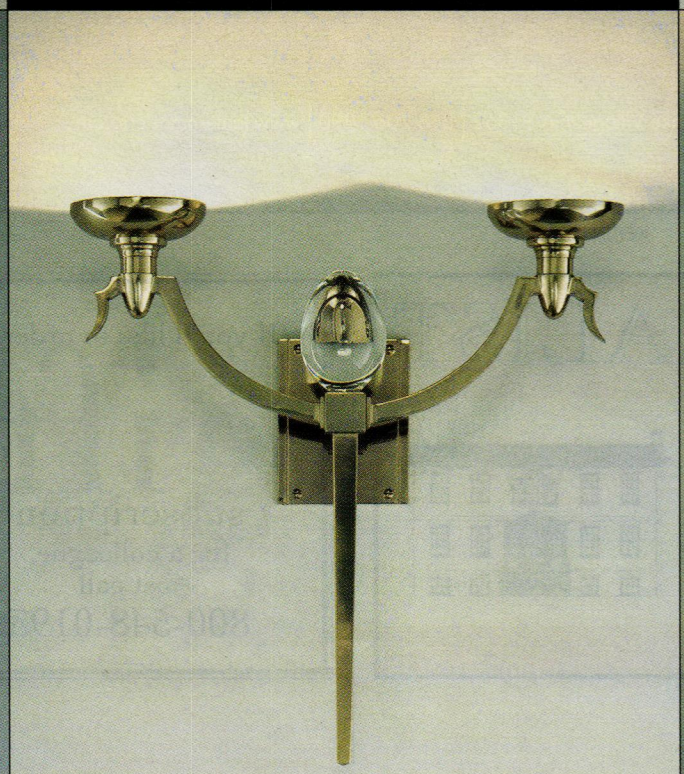
JONATHAN
BROWNING

WWW.JONATHANBROWNINGINC.COM

L'ORIENT

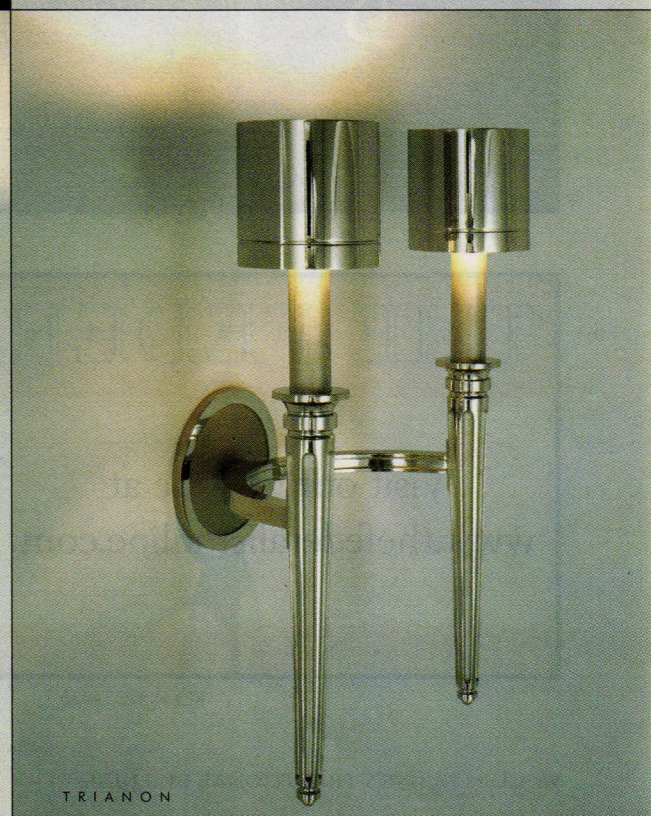


ENNE



AMERICAIN

KEY IN NO. 1992



TRIANON

LANTERN MASTERS, INC.

Manufacturer of Fine Interior, Exterior & Custom Lighting

LMI Lighting Inc. Old World & Beyond

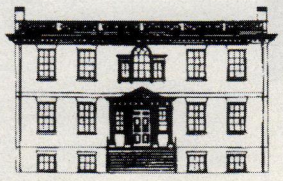
Old World & Beyond - Our lighting projects are historically inspired with unique details and fine craftsmanship. Please call for an appointment.

31328 Via Colinas, Suite 103 | Westlake Village, CA 91362 | 818.706.1990 | www.lanternmasters.com

KEY IN NO. 1239

THE FEDERALIST

Visit our website at
www.thefederalistonline.com



KEY IN NO. 2833

If you'd like to order a

gift

subscription

for a colleague,
just call

800-548-0193

NEWSTAMP LIGHTING

Reproduction & Custom Lighting Fixtures

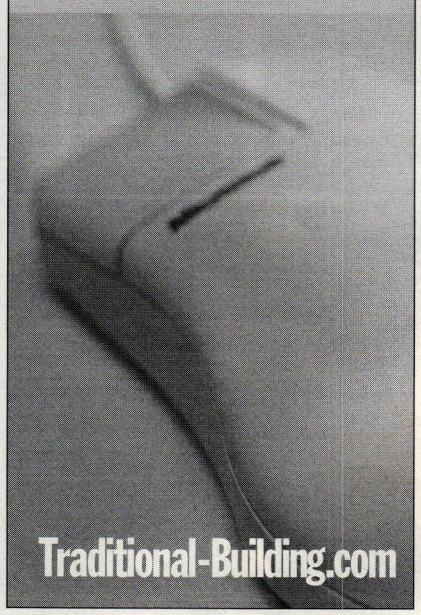
Restoration Specialists

227 Bay Road
N. Easton, MA 02356
508.238.7071
www.newstamplighting.com

KEY IN NO. 800

1

The internet gateway to historical products & literature is just one click away



Traditional-Building.com

PRIVATE RESIDENCE / MIAMI BEACH, FLORIDA

HISTORICAL ARTS & CASTING ■ INC.

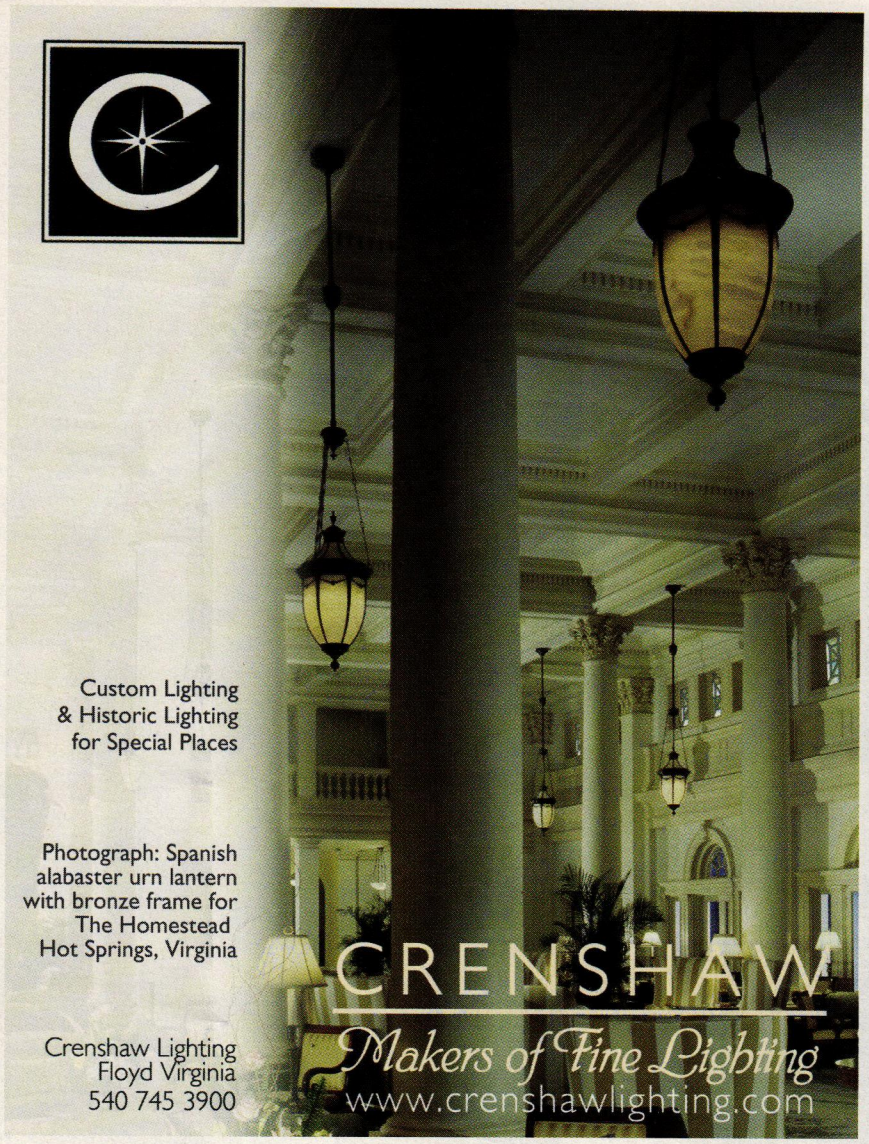
Dedicated to the quality design, manufacture and installation of architectural cast metal ornament. Our craftsmen specialize in the restoration and replication of traditional details in bronze, aluminum and iron alloy. For more information call (801) 280-2400.

1(800)225-1414

HISTORICAL ARTS AND CASTING®

www.historicalarts.com

KEY IN NO. 1210



KEY IN NO. 313

KEY IN NO. 488

BECOME A MEMBER OF
THE INSTITUTE OF
CLASSICAL ARCHITECTURE
& CLASSICAL AMERICA

The leading educational resource for the Classical tradition in architecture

When you become a member, you not only support its educational mission but also gain access to the Institute's wide range of programs and publications. National expansion through local chapters will mean closer association in all 50 states.

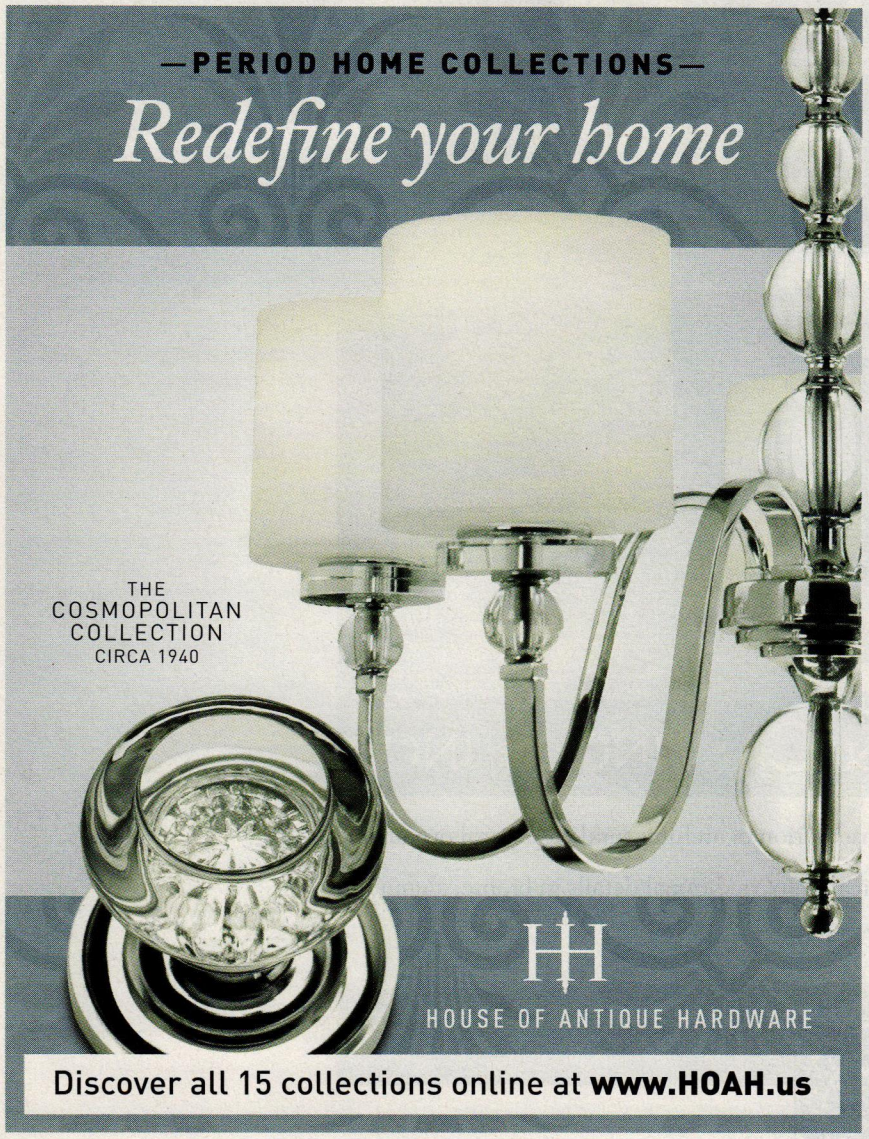
- ☐ Annual Journal: *The Classicist*
- ☐ Lectures, Tours and Conferences
- ☐ Travel Programs
- ☐ Book Series
- ☐ Continuing Education Courses and Programs
- ☐ A well-informed voice in advocacy and traditional design excellence

Various levels of membership are available; consult www.classicist.org for details. Send check directly to the Institute at the address below, or for more details log onto the Institute web site at:

www.classicist.org

THE INSTITUTE OF
CLASSICAL ARCHITECTURE
& CLASSICAL AMERICA
20 W. 44th Street
New York, NY 10036
Telephone (212) 730-9646 Fax (212) 730-9649
e-mail: institute@classicist.org
web site: www.classicist.org

WRITE IN NO. 1340

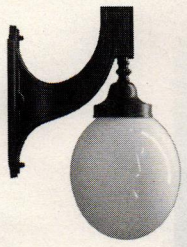


KEY IN NO. 1096

LIGHTING OUT DOOR HERWIG FIXTURES CAST METAL

SINCE 1908

DESIGNER & MANUFACTURERS
OF FINE LIGHTING FIXTURES
& ACCESSORIES



CAST ALUMINUM
LIGHT FIXTURES
POSTS, BOLLARDS
BENCHES &
STREET CLOCKS

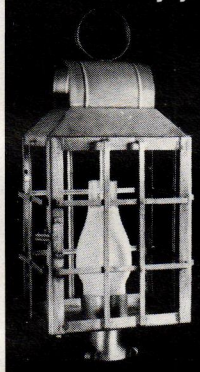
MOUNTINGS:
WALL, BRACKET
POST & PIER

HUNDREDS OF
STANDARD DESIGNS
& SIZES
HANDCRAFTED
QUALITY

HERWIG LIGHTING
P.O. BOX 768
RUSSELLVILLE, AR 72811
PHONE: 479-968-2621
FAX: 479-968-6422

KEY IN NO. 9130

Josiah JR. Coppersmythe



Hand Crafted
Early American
Lighting Fixtures

1033p - 25" high
POSTLIGHT
$250.00

75 Other Styles
Five Finishes
Catalog $3.00

508• 432• 8590
10 MILL POND RD., HARWICH, MA 02645
www.jrcoppersmythe.com

NEW!
PRODUCT
LITERATURE
ONLINE
The fastest way to get
supplier catalogs

This issue's "Free Product Literature" form is now online. Literature requests are e-mailed directly to advertisers for fastest action. To use this online service:

- Log onto www.traditional-building.com
- Click on "Free Product Literature"
- Select "Issue Product Literature Card"

www.traditional-building.com

The fastest way to get
supplier catalogs

FOREVER GREEN

"WHAT DOES GREEN REALLY MEAN?"

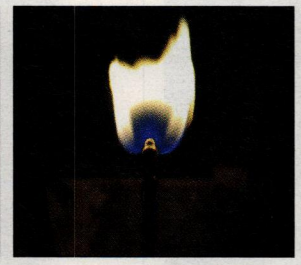
Efficiency of operation? Using sustainable materials?
At Bevolo Gas and Electric Lights, it means both.

NATURAL GAS is clean, abundant, reliable, efficient, safe, domestic, and is the cleanest burning fossil fuel. Bevolo's natural gas light fixtures feature the lowest burning gas tips on the planet, making them both environmentally-friendly, and money savers when it comes to fuel usage.

SUSTAINABLE MATERIALS
Sustainability means existing for an indefinite period without damaging the environment or without depleting a resource. Once installed, Bevolo lanterns will last a lifetime and beyond, negating repeated replacements and disposal of discards that would negatively impact the environment.

HAND CRAFTSMANSHIP Each Bevolo light is constructed entirely by hand, from the first cut of the copper sheeting to the final hammered rivet, making our impact on the environment negligible.

"With designs that will accommodate the latest bulb technologies and lifetime burners, not having to change a light bulb for 20 years or a gas burner for over 50 is truly remarkable.
Whether it's changing a light bulb or lighting a match, Bevolo's ease of operation, accessibility and structural design are legendary."
- Drew Bevolo



BEVOLO
–established 1945–
GAS & ELECTRIC LIGHTS

T. 504-522-9485 • 521 CONTI ST. • NEW ORLEANS • WWW.BEVOLO.COM

KEY IN NO. 166

When contacting companies you've seen in the issue, please tell them you saw their listing in Traditional Building.

PATINAS &
ANTIQUING SOLUTIONS

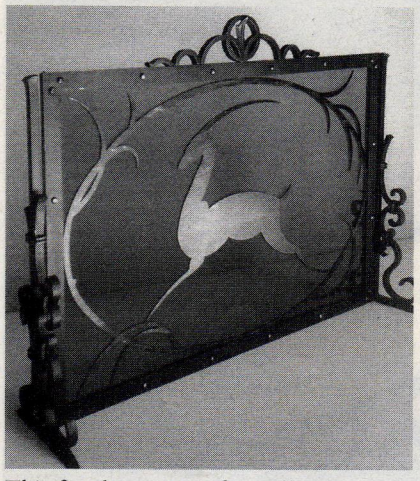
- *BROWN ANTIQUE*
- *BLACK ANTIQUE*
- *RUSTY PATINAS*
- *TURQUOISE BLUE*
- *BRIGHT DIPS*
- *PEWTER LOOK*
- *TIN LOOK*
- *AIR DRY LACQUERS*
- *7-SAMPLE FINISHING KIT $70.00*
- *METALLIC COPPER & BRASS COATINGS*

TRIPLE-S CHEMICAL PRODUCTS, INC.
3464 UNION PACIFIC AVE., LA., CA 90023
TEL: (323) 261-7301 FAX: (323) 261-5567
Toll Free: 1(800) 862-5958
www.patinas.com

KEY IN NO. 1516

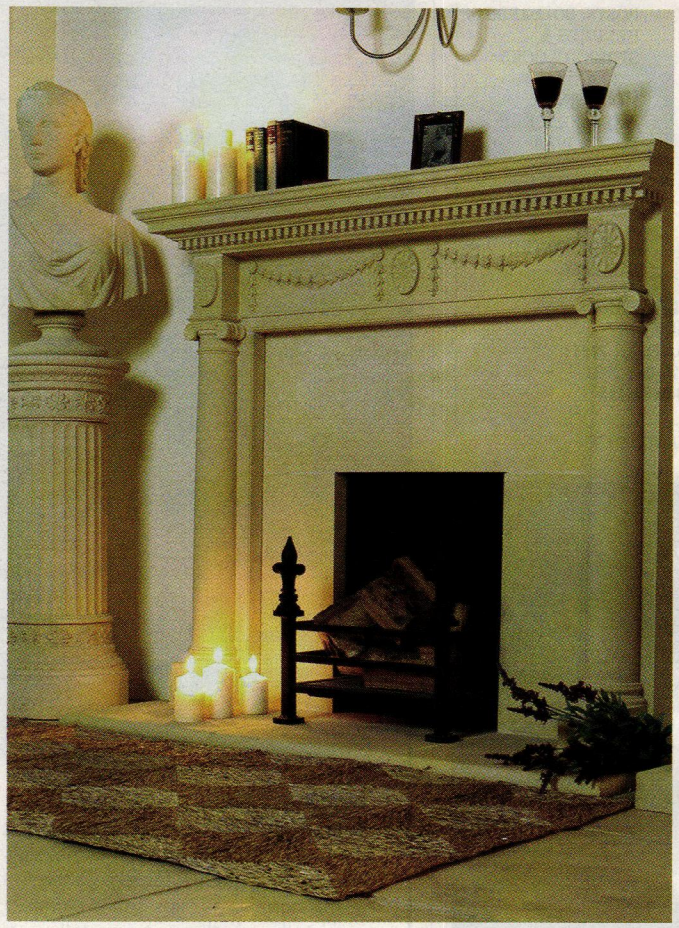
Mantels, Fireplaces & Chimneys

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.



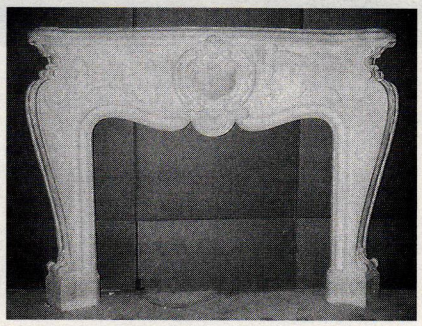
This fireplace screen from **Fine Architectural Metalsmiths** features a bronzed antelope. *Key in no. 2640*

No 9 Studio UK has re-introduced the Dragon Finial and Dragon chimney pot. *Key in no. 1672*

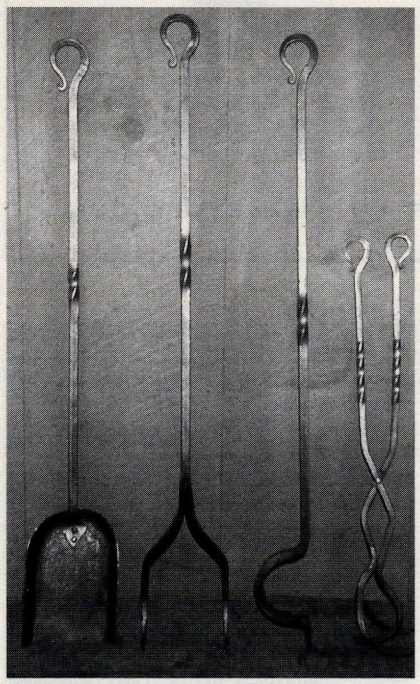


This chimney piece from **Haddonstone**, designed in the style of Robert Adam, incorporates legs in the form of Ionic columns supporting a mantel with swags, medallions and a dentilled cornice. *Key in no. 4020*

This Quaker Gem cast-iron stove, dating from the 1870-90 period, was restored by **Good Time Stove**.



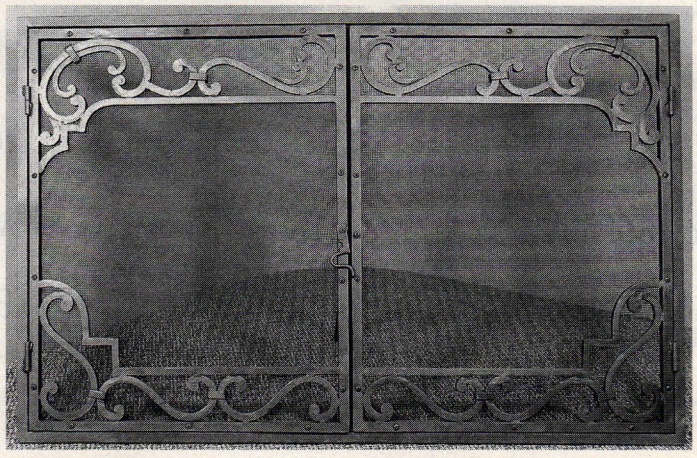
Fischer & Jirouch's model #6116 mantel was manufactured in plaster. *Key in no. 1960*



Kayne & Son hand forged these fireplace implements. *Call for more information.*

Walter S. Arnold is shown here carving an apple frieze in Indiana limestone for an English style fireplace surround.

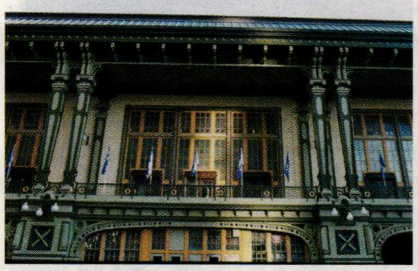
Frederick Wilbur – Woodcarver hand carved this decorated custom mantel. *Key in no. 1650*



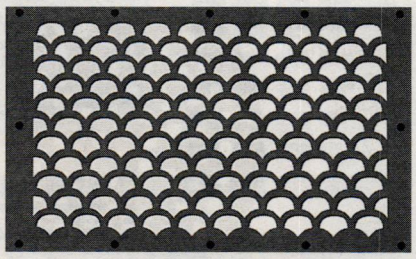
Ornate fireplace screens can be obtained from **Steven Handelman Studios**. *Key in no. 483*

Metalwork

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

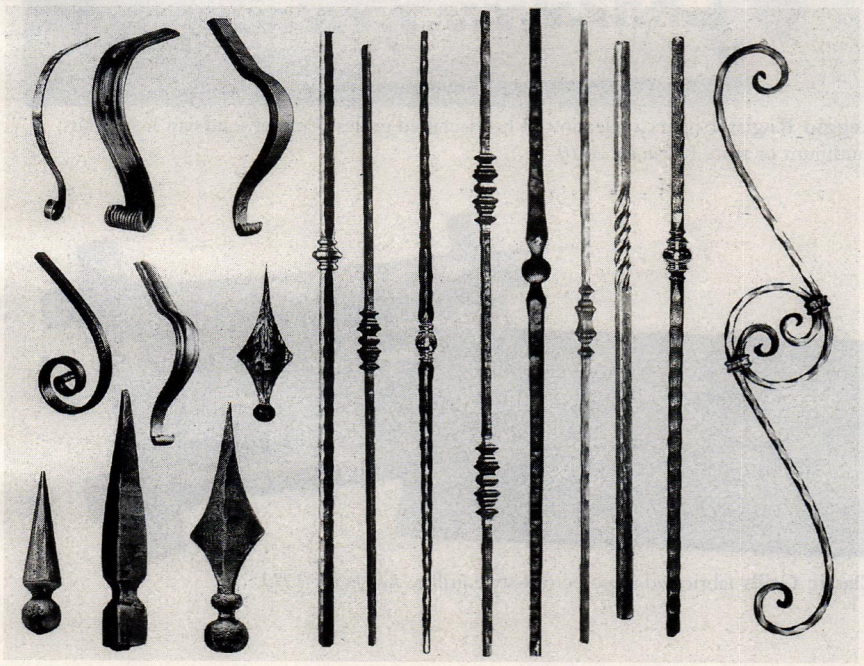


Allen Architectural Metals replicated and restored the cast-iron facade and railings for this 140,000-sq.ft. 1909 Beaux-Arts landmark building in New York City.

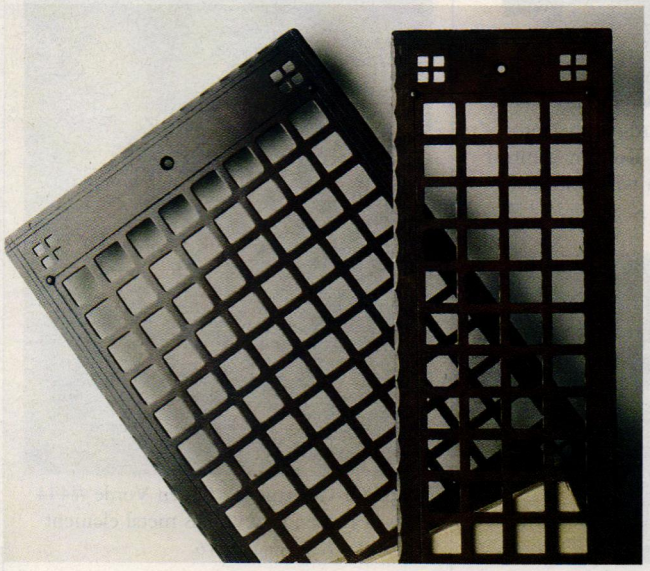


Security grilles from **Architectural Grille** are available in various thicknesses and perforation patterns, and are fastened with tamper-proof screws. *Key in no. 2220*

Edgar Brandt's design sensibility was the initial inspiration for this forged railing by **Fine Architectural Metalsmiths**; it has an updated leaf spray and dramatic changes of dimension. *Key in no. 2640*



These wrought-iron components from **Architectural Products by Outwater** can be used to create metal stairs and railings. *Key in no. 1088*



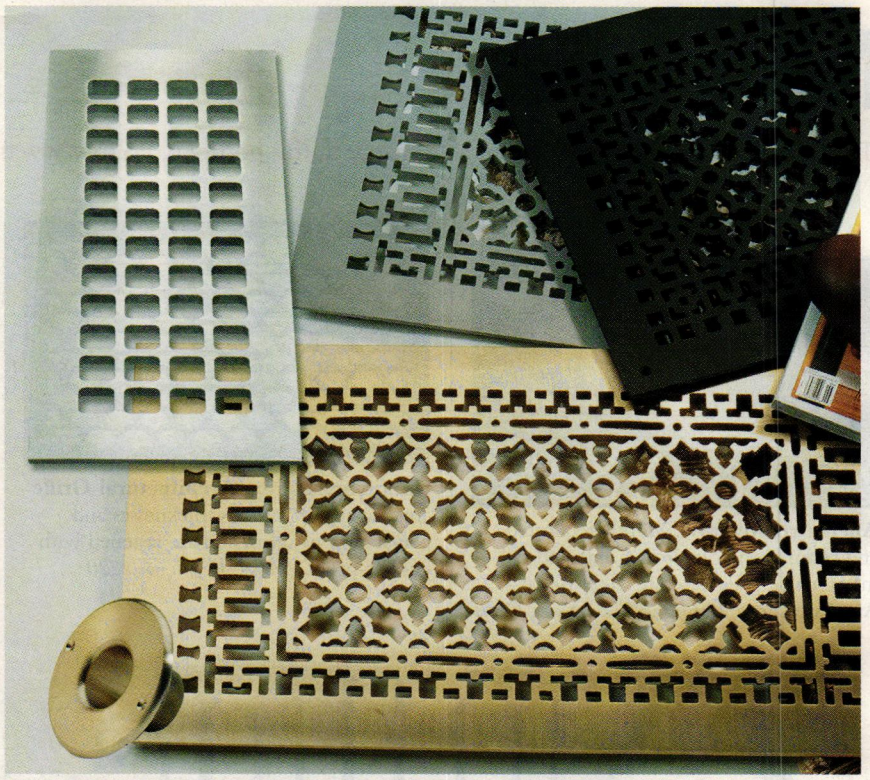
These Arts and Crafts-style grilles are manufactured in hand-hammered copper by **Craftsmen Hardware**. *Key in no. 6980*

Robinson Iron designed and fabricated this elegant stair railing. *Key in no. 3240*

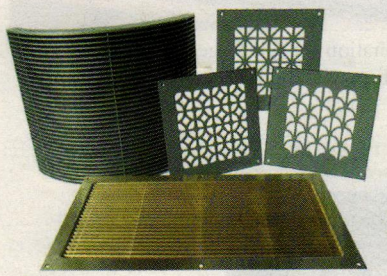
The Victorian-style railing was designed and fabricated by **Heritage Cast Iron USA**. *Key in no. 1968*

Decorative metal stampings from **Frank Morrow** can be used in many applications. *Key in no. 1220*

This metal and wood staircase was fabricated by **Goddard Spiral Stairs**. *Key in no. 4780*



Reggio Register offers a selection of hand-crafted grilles made of solid cast iron, brass, aluminum or zinc. *Key in no. 5810*



Grilles, registers, baseboards and radiator covers are available from **Kees** in stamped and perforated metal in a wide variety of patterns and thicknesses. *Key in no. 1335*

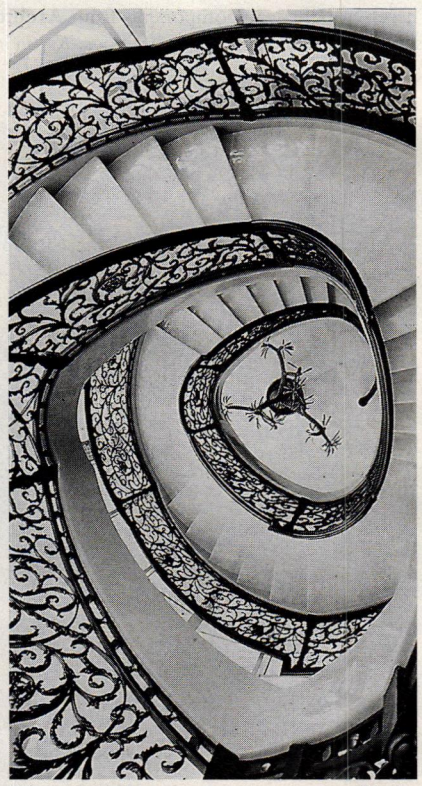
Triple-S Chemical's Green Verde #444 New was used to give this metal element its patina. *Key in no. 1516*

Classic Grills fabricated these period-style grilles. *Key in no. 1973*

Schiff Architectural Detail fabricated these railings. *Key in no. 7730*

This elegant metal railing was designed and fabricated by **Bill's Custom Metal Fabrications**. *Key in no. 1270*

This railing with artful scrollwork was custom fabricated by **Schwartz's Forge & Metalworks**. *Key in no. 1218*



Historical Arts & Casting custom fabricated this bronze staircase for a building in Sacramento, CA. *Key in no. 1210*

Finely crafted cast iron gates

In stock and ready to ship!

WINTER SALE 2010 SAVE 25% OR MORE

Heritage Cast Iron USA supplies finely crafted cast iron gates and railings in seven unique design collections.

Made using the original late 19th century designs and techniques, these are ideal for any new construction, restoration or re-generation project.

Heritage Cast Iron USA products are a perfect fit for any project when traditional ornamental metalwork designs, high quality and moderate cost is important. The modular designs of the fence and pre-hung gates allow for quick installation.

Call now 1-877-855-4766 for a copy of our 16 page brochure or visit www.heritagecastironusa.com to view our complete product line

639 West 41st ST
Tulsa, Oklahoma 74107
Email: sales@heritagecastironusa.com

HERITAGE CAST IRON USA

KEY IN NO. 1968

THE ART OF AIRFLOW

ARCHITECTURAL GRILLE

1-718-832-1200
1-800-387-6267
www.archgrille.com

KEY IN NO. 9820

Your home will thank you!!

These wonderfully affordable heat registers exude quality! The luxurious look of a home is quickly diminished with a blah-looking, cheap heat register! Add this bit of panache, and the whole house quickly takes on an extraordinary first class feel!

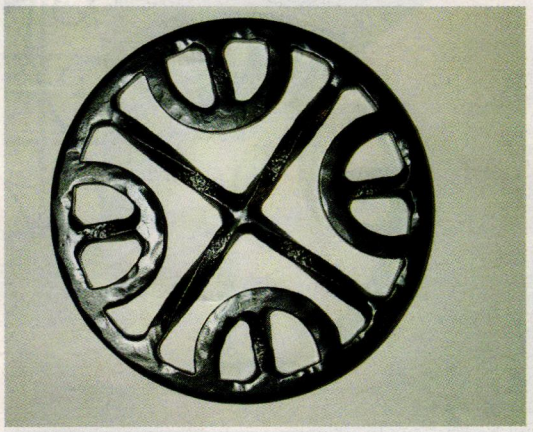
An enormous selection of heat registers, cold air returns, toe kicks, surface mounts, flush mounts, opera grilles, eggrates, domed, and lots more! Crafted in a vast assortment of woods and metals, including bronze, cast iron and steel, in finishes of copper, nickel black brass, antique and more! If you're on a budget or the sky's the limit, we've got something to fit your needs.

Custom work also available.

www.heatregisters.com
(509) 535-5098 or (509) 535-1237

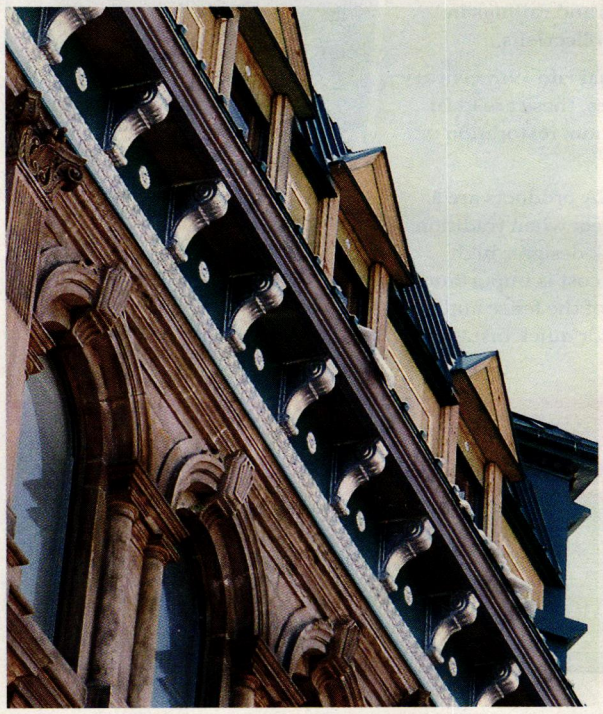
KEY IN NO. 1879

The Lionhead from **Heather & Little** measures 36 in. high x 36 in. wide and 24 in. deep. *Key in no. 2470*

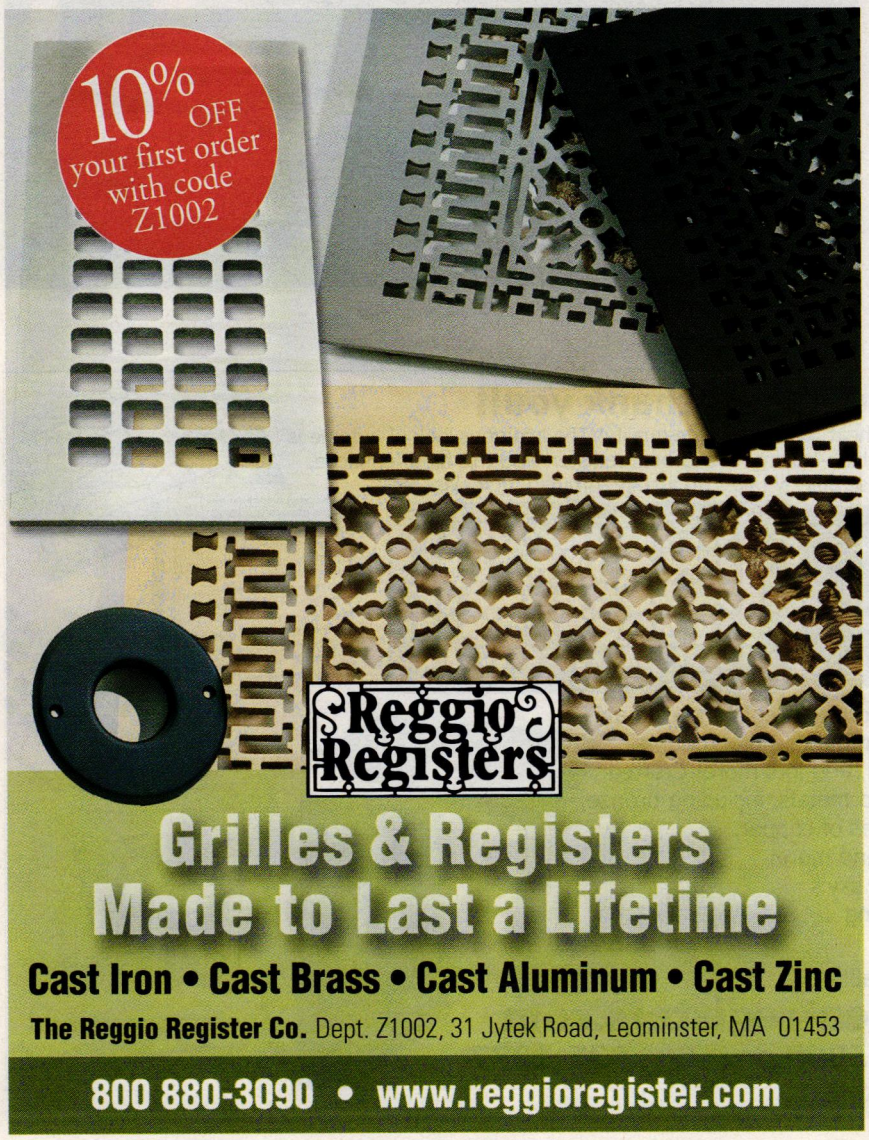


This custom floor grate was designed and fabricated by **Kayne & Son**. *Call for more information.*

Wiemann Metalcraft designed and fabricated this custom hand-forged iron railing. *Key in no. 1223*



This stamped sheet-metal cornice was fabricated by **W.F. Norman Corp.** *Key in no. 520*



KEY IN NO. 5810

FRANK MORROW COMPANY

Free CD Catalog of 6,000+ finely detailed patterned metal trims, (solid or perforated), embossed decorative stampings, and grey iron motif castings.

Decorative Metal Stampings catalog

Includes:

- Leaves
- Flowers
- Motifs
- Husks
- Bobeches
- Rosettes
- Grey Iron Castings

Decorative Metal Bandings & Perforated Galleries catalog

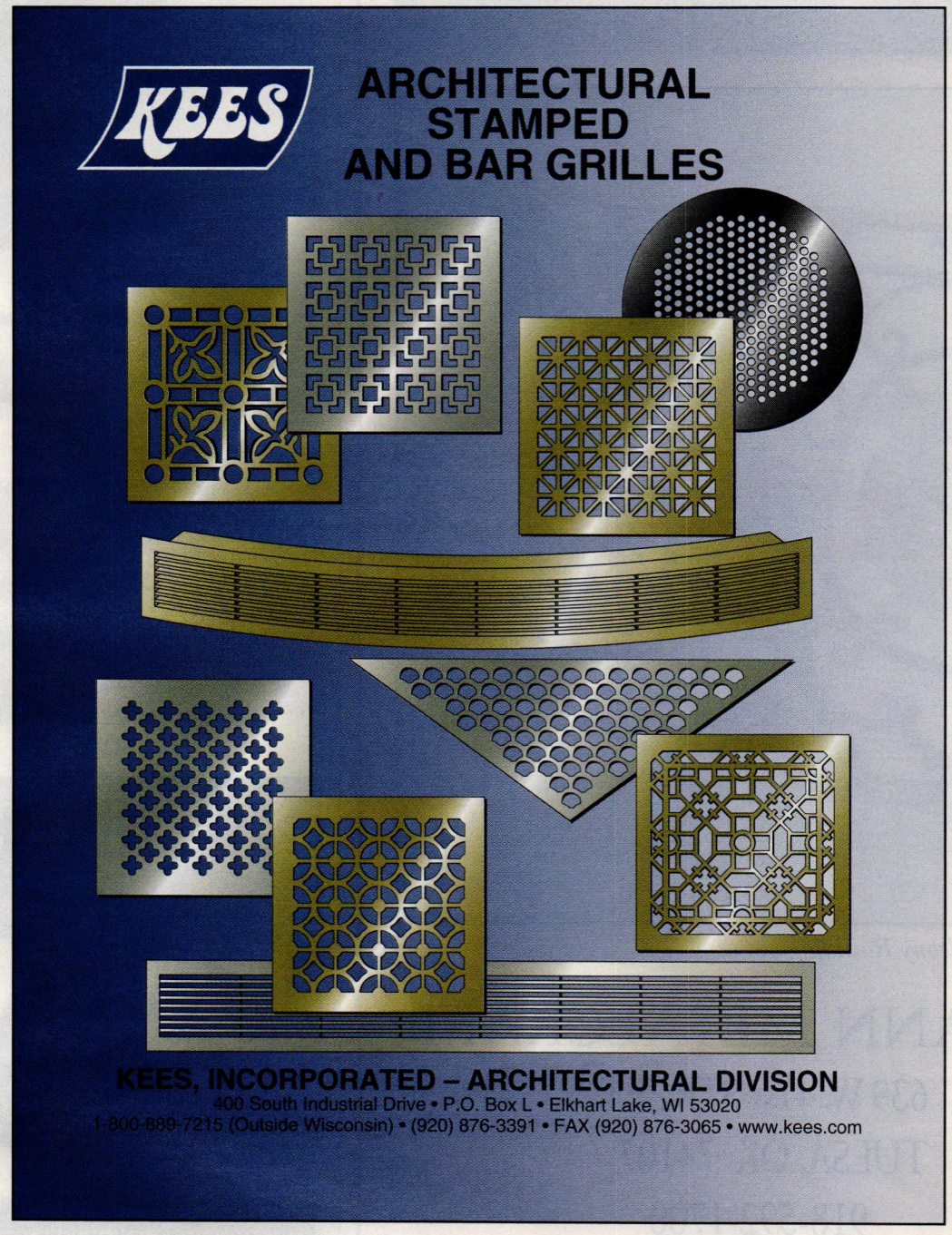
Includes:

- Traditional
- Classical
- Contemporary
- Art Deco
- Mosaics
- Motifs
- Chandelier trims

Manufactured in Steel, Brass, Copper, & Aluminum
Contact us for price quotes, materials, or catalogs
Tel: 800-556-7688 * Fax: 401-941-3810
www.frankmorrow.com * sales@frankmorrow.com

KEY IN NO. 1220

Your Single Source For All Your Architectural Grille Needs



Available Products:

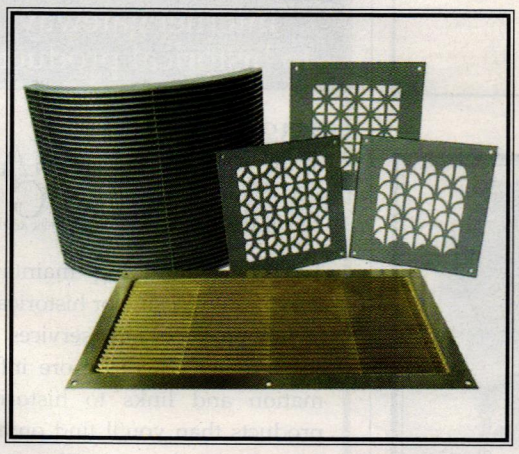
- Stamped Grilles
- Bar Grilles
- Curved Grilles
- Waterjet Cut Grilles
- Floor Grating
- Mushroom Ventilators
- Air Baseboard

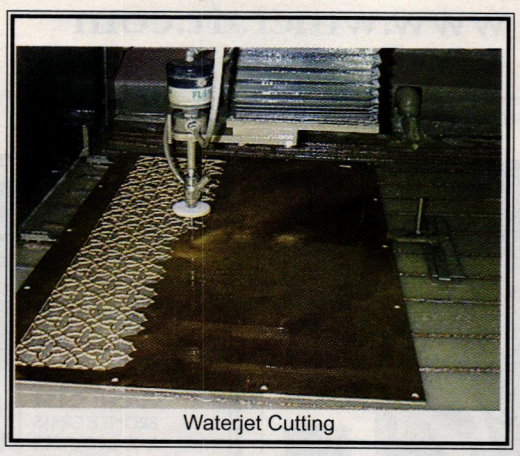
In A Wide Variety Of Materials:

- Steel
- Galvanized Steel
- Aluminum
- Stainless Steel
- Brass
- Architectural Bronze
- Commercial Bronze

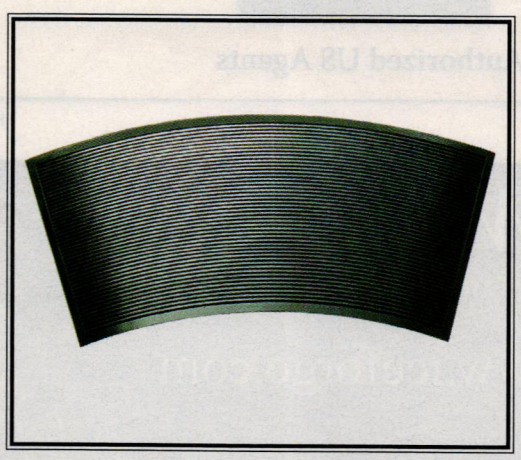
And Finishes:

- Painted
- Satin Polish
- Mirror Polish
- Anodized
- Oxidized





Waterjet Cutting



KEES, INCORPORATED • 400 South Industrial Drive • P. O. Box L
Elkhart Lake, WI 53020 • Phone (920) 876-3391 • FAX (920) 876-3065 • www.kees.com

KEY IN NO. 1335

WIEMANN METALCRAFT

SERVING AN INTERNATIONAL MARKET WITH FINE QUALITY
CUSTOM ORNAMENTAL METALWORK SINCE 1940

Forged, Cast and Fabricated Iron and Bronze Balcony Railing

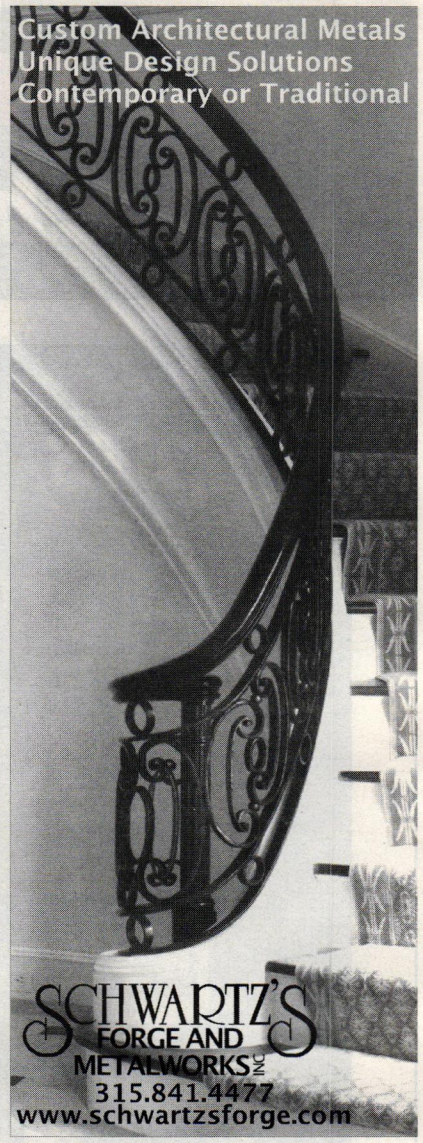
HERITAGE CAST IRON USA
Railings & Gates

Authorized US Agents

WIEMANN METALCRAFT
639 W. 41st STREET
TULSA, OK 74107
918-592-1700
www.wmcraft.com

KEY IN NO. 1223

Custom Architectural Metals
Unique Design Solutions
Contemporary or Traditional



SCHWARTZ'S FORGE AND METALWORKS INC
315.841.4477
www.schwartzsforge.com

KEY IN NO.1218

SCHIFF
ARCHITECTURAL DETAIL

Fine Ornamental Metal Fabrication
Historic Reproduction & Custom Casting

120 Eastern Ave. Chelsea, MA 02150
Tel: (617) 887-0202 Fax: (617) 887-0127
www.schiffarchitecturaldetail.com

KEY IN NO. 7730

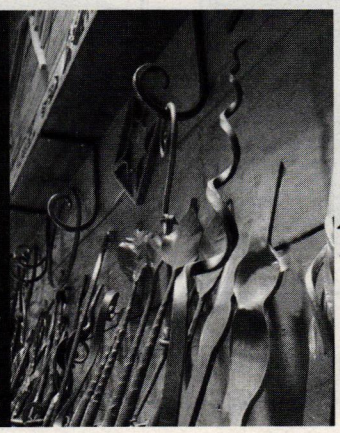
www.traditional-building.com
Internet gateway
to historical products

Clem Labine's TRADITIONAL BUILDING
The Professional's Resource for Public Architecture

Traditional Building maintains the central website for historically styled products and services on the Internet. There's more information and links to historical products than you'll find on any other site.

Log onto and then bookmark:
www.traditional-building.com

Welcome
to our new online showroom
www.iceforge.com



Fine Architectural Metalsmiths
Florida, NY 888-862-9577

KEY IN NO. 2640

KEY IN NO. 1973

Carroll Square, Washington D.C.

The Jefferson at Penn Quarter, Washington D.C.

Photo credit: Ron Blunt

Facades with nothing to hide.

Robinson Iron

Restoration • Replication • Custom Casting

1 800-824-2157 • (256) 329-8486 • www.robinsoniron.com

BRONZE ~ IRON ~ ALUMINUM

To subscribe to our e-newsletter, email emily@robinsoniron.com

KEY IN NO. 3240

METAL MASTERS

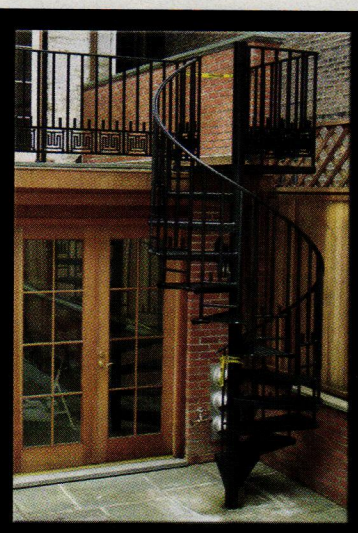
DeAngelis
IRON WORK INC.

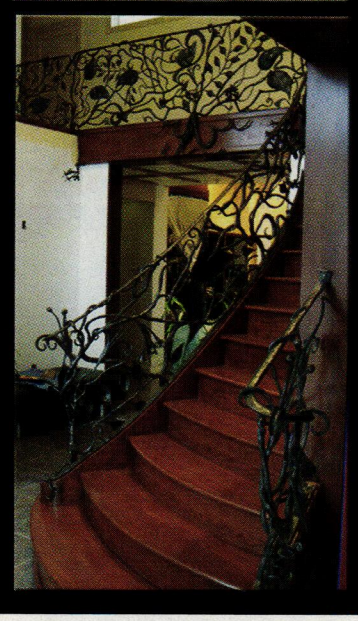
305 Depot Street ▪ P.O. Box 350
South Easton, Massachusetts 02375
(508) 238-4310 ▪ FAX: (508) 238-7757
Outside MA 1-888-ORN-IRON
(1-888-676-4766)

OBJECTIVE: Supply and install new nickel silver railing system to match design as pictured in home magazine photo supplied by client.
CHALLENGES: Complex stair geometry and requirement that all fasteners be concealed.
SOLUTION: DeAngelis Iron Work, Inc.

"QUALITY CUSTOM ORNAMENTAL FABRICATIONS SINCE 1954"

KEY IN NO. 1023





Custom Metal Fabrications

Your Complete Metal Fabrication Service

127 Sullivan Lane
Westbury, NY 11590

516-333-3562

www.ironcrafters.com
billscustommet@aol.com

KEY IN NO. 1270

ARCHITECTURAL METALS

ARCHITECTURAL BRASS ARCHITECTURAL BRONZE NICKEL SILVER ARCHITECTURAL BRASS ARCHITECTURAL BRONZE

MAC METALS IS THE ONLY DOMESTIC BRASS MILL PROVIDING **CUSTOM ARCHITECTURAL EXTRUSIONS** FOR COMMERCIAL, INDUSTRIAL, PUBLIC AND RESIDENTIAL CONSTRUCTION.

BRASS, BRONZE AND NICKEL SILVER EXTRUSION APPLICATIONS INCLUDE:
- ARCHITECTURAL OPENINGS
- BUILDERS HARDWARE
- LIGHTING
- MEMORIALIZATION
- STAIRS/HANDRAILS
- ELEVATOR SILL/EXTENSIONS
- HISTORIC RESTORATION/ REHABILITATION/RENOVATION

MAC METALS STOCKS COMMON SHAPES FOR IMMEDIATE DELIVERY:
- RECTANGLES/SQUARES
- ANGLES/CHANNELS/TEES
- HANDRAILS
- ELEVATOR SILLS AND EXTENSIONS

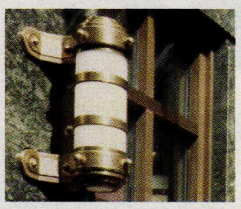


PHOTO COURTESY OF RYAN ORNAMENTAL

Fax or e-mail your prints or samples for immediate quotation

mac®
mac metals incorporated

MAC Metals, Inc.
936 Harrison Avenue
Kearny, NJ 07032
Tel: 800.631.9510
Fax: 201.997.7457
Website:www.macmetals.com
E-Mail: Sales@macmetals.com

CDA NAAMM Member

MADE IN THE USA

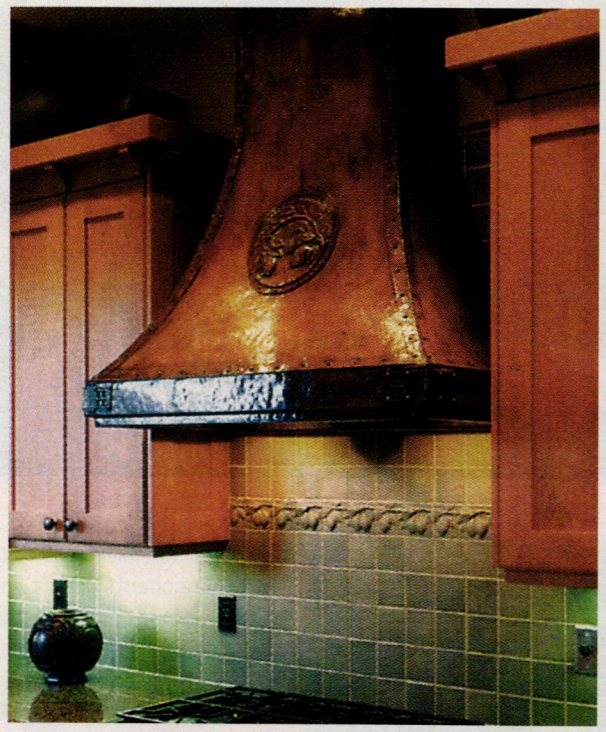
KEY IN NO. 1799

KEY IN NO. 1947

Plumbing, Bath & Heating

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

This Roman-style bathtub is one of the many fixtures available from **Bathroom Machineries**. *Call for more information.*



Historical Arts & Casting fabricated this rustic copper kitchen hood. *Key in no. 1210*

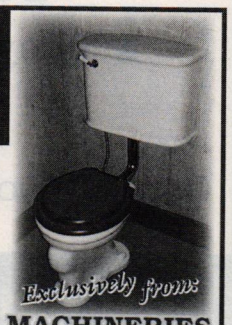
Ceramic tile from **Designs in Tile** is featured in this countertop and range hood. *Call for more information.*

This repousse copper range hood by **Fine Architectural Metalsmiths** has a William Morris-inspired oak pattern in the arched panel. *Key in no. 2640*

TRADITIONAL PRODUCT
Galleries
A World of Product Images and Information for the Period Design

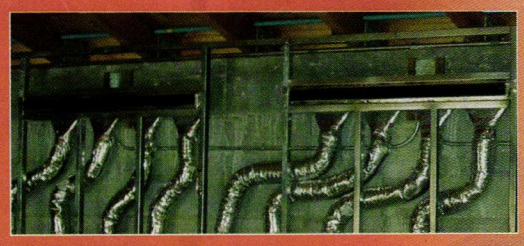
www.traditionalproductgalleries.com

Reproduction 1910-Style "Lydia" Water Closet
NEW! 1.6 GPF
PLUMBING for your ANTIQUE BATH
Original & Reproduction Fixtures & Decor
Hard-To-Find Parts



Exclusively from:
BATHROOM MACHINERIES
209-728-2031 • www.deabath.com
495 Main Street • Murphys, CA 95247
Quality and Service since 1976

Suppose you were an airchitect.



No doubt you'd design an air comfort system that works in perfect synergy with its space. A system with components that fit anywhere and integrate perfectly with the architecture. One that delivers consistent temperatures and lower humidity with whisper-quiet operation. You'd design Unico. So why not design with it?

Visit **unicosystem.com/rdb** to learn more about Unico and get the free guide **"10 Keys to Designing for Maximum Comfort."**

The Unico System®
Small-Duct Central Heating & Air Conditioning
Maximum Comfort. Minimum Space.

KEY IN NO. 1779

NEW SERVICES WEBSITE!

Traditional Building Magazine's

tradweb

CUSTOM BUILDING & RESTORATION SERVICES

The online TRADWEB Services Directory website offers:

- Free listings for all Design, Building, and Preservation Professionals
- Many optional Listing upgrades and illustrated Project Portfolio opportunities
- Keyword-based Internet advertising spots available.

Contact Dorian Henao at 718-636-0788, ext. 39. Or e-mail: dhenao@restoremedia.com.

To register, edit or upgrade your TRADWEB Services Directory listing, logon to

www.tradwebdirectory.com

calendar of events

ICA&CA EverGreene Architectural Arts Studio Tour, February 25, 2010. ICA&CA is offering a guided tour through EverGreene Architectural Arts' design and mural studio in New York City. The tour will go behind the scenes to get a first-hand look at the state-of-the-art technology employed by EverGreene's craftspeople. For more information, visit www.classicist.org.

NOMMA's 2010 METALfab Education Expo & Exchange, March 3-6, 2010. The National Ornamental & Miscellaneous Metals Association (NOMMA) will hold its largest annual convention in Tulsa, OK. The event will focus heavily on educational lectures and sessions, hands-on training and tours of local ornamental iron workshops. For more information and to register, visit www.nomma.org.

Concrete Décor Show & Decorative Concrete Spring Training, March 16-19, 2010. The Concrete Décor Show & Decorative Concrete Spring Training will be held in Phoenix, AZ. Presentations will include case studies of LEED-certified projects, highlighting the benefits of concrete in green building. Many seminars and workshops offer AIA CEUs. For more information, visit www.concretedecorshow,com.

New Hampshire Old House & Barn Expo, March 20-21, 2010. New Hampshire Preservation Alliance will host the New Hampshire Old House & Barn Expo at the Center of New Hampshire, Radisson Hotel in Manchester, NH. The trade show features live talks and demonstrations from repair and restoration service professionals; topics include energy savings, window repair and weatherization techniques. For more information, visit www.nhpreservation.org.

Hands-on demonstrations are featured at the Old House & Barn Expo.

Restoration Industry Association Convention & Exhibition, March 23-27, 2010. The Restoration Industry Association will hold its 65th annual convention and exhibition at the Hyatt Regency in Atlanta, GA. The topics for this year's event will focus on how health and green issues apply to restoration professionals. For more information, visit www.restorationindustry.org.

Traditional Woodcarving Introductory Workshop, April 13-14, 2010. This year, decorative wood-carver Frederick Wilbur will conduct woodcarving workshops at his studio in Lovingston, VA. The three-day introductory course, a pre-requisite for additional courses, is designed for beginners – tools and materials will be provided. Students will learn basic carving techniques and practice simple relief carving designs. For more information on this and other sessions, call 434-263-4827 or email fcwilbur@verizon.net.

AIA 2010 National Convention & Exposition, June 10-12, 2010. The AIA 2010 National Convention & Exposition will be held at the Miami Beach Convention Center in Miami, FL. The event includes seminars, roundtable discussions, tours and exhibitions, and will explore "Design for the New Decade." For more information, visit www.aia.org/convention.

SGAA Annual Summer Conference, June 28-30, 2010. This year's Stained Glass Association of America's summer conference will be held at the Hyatt Regency Crown Center in Kansas City, MO. Lecture themes will include craft techniques in making art glass, artistic considerations and approaches, techniques in working with the church as well as demonstrations on mosaics and a major exhibition of glass panels. For registration and conference updates, visit www.stainedglass.org/html/SGAAconference.htm.

10th Annual Sax Stonecarving Workshops, July 12-18 & August 7-13, 2010. This year, Sax Stonecarving will conduct two seven-day intensive stone carving workshops in Rinconada, NM. The first will feature guest instructor Nicholas Fairplay, who has worked on Westminster Abbey, the Cathedral of St. John the Divine and, most recently, four marble lions for Utah's state capitol building. The latter session features guest instructors Joseph Kincannon, a professional carver with 30 years experience, and Kazutaka Uchida, an artist from Tokyo, Japan. Participants with little or no experience will have the chance to experience one-on-one instruction. For more information visit, www.saxtonecarving.com.

Traditional Building Exhibition and Conference, October 20-23, 2010. The nation's largest event dedicated to historic restoration, renovation and historically inspired new construction will be held at Chicago's Navy Pier. The conference program includes sessions with professional learning units available through the AIA, ASLA, ASID, IIDA, AIC and APA, as well as the Palladio Awards presentations. For details, go to www.traditionalbuildingshow.com.

14th Annual International Preservation Trades Workshop, October 21-23, 2010. IPTN will partner with Frankfort Parks, Recreation and Historic Sites and others to host its 14th annual workshop in the quaint historic town of Frankfort, KY. Attendees will be within walking distance of the nearby River View Park and downtown Frankfort, which is rich in historic and modern architecture. For workshop updates, visit www.iptw.org.

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. 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. This year, courses include wood carving, plaster repair, window repair and timber-frame evaluation and repair. For a complete listing of current programs, go to www.preservationworks.org or contact Judy Hayward at 802-674-6752.

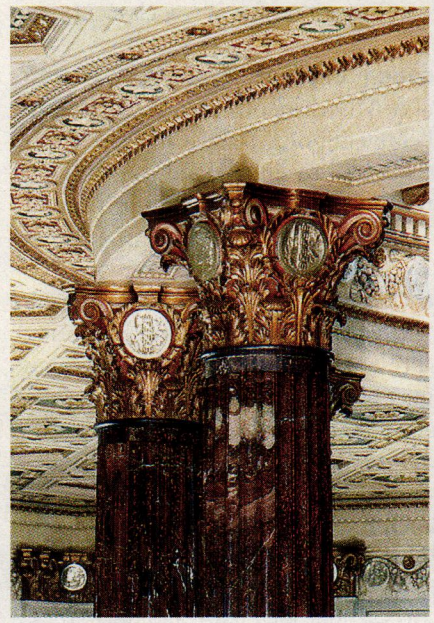
Wood-Carving Workshops. Classically trained master wood-carver Dimitrios Klitsas conducts classes in wood carving at his studio in Hampden, MA, for novices as well as professionals looking to take their skills to the highest level. Classes are available for both group and individual instruction. For more details, go to www.klitsas.com or call 413-566-5301.

Workshops on Historical Lime Mortars. A comprehensive two-day course details the hows and whys of using lime putty mortars for re-pointing historic masonry. The workshop combines lectures and laboratory work with hands-on lime slaking and re-pointing all different types of historic masonry walls. For course schedules and registration details, call 773-286-2100 or go to www.usheritage.com/events.htm. **TB**

Professional Services

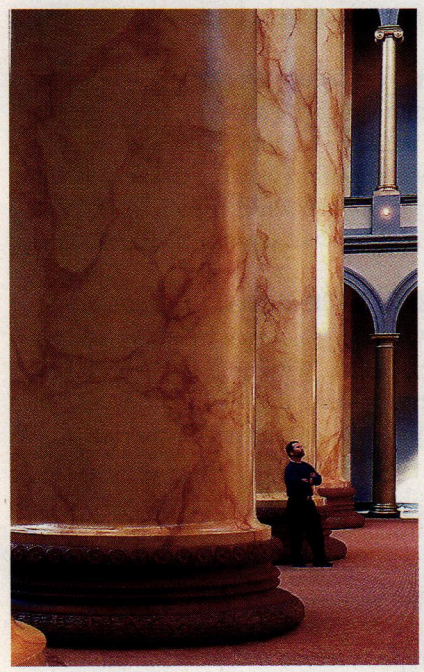
To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

Building Conservation Associates surveyed the exterior envelope of NYC's Grand Central Terminal before recommending a conservation and preservation program. *Key in no. 1673*



These gilded and glazed capitals were restored by **EverGreene Architectural Arts** for the Dime Savings Bank in New York City. *Key in no. 2460*

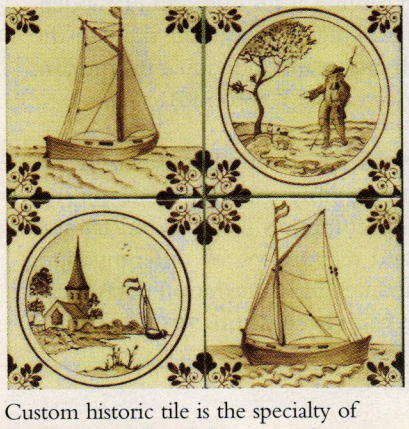
Conrad Schmitt Studios provided the new decorative-painting scheme for the restoration of the French Lick Springs Hotel in French Lick, IN. *Key in no. 8040*



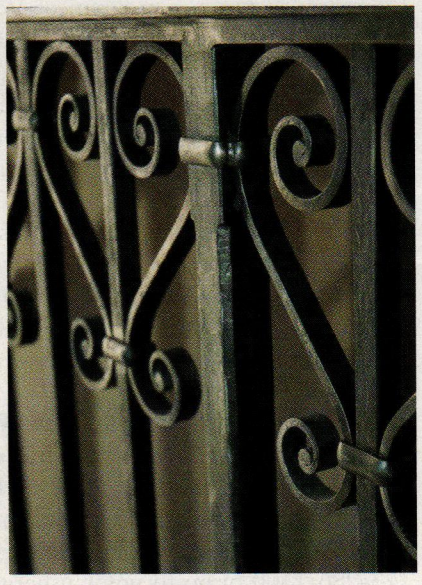
Canning Studios marbleized these enormous columns in the National Building Museum in Washington, DC. *Key in no. 5100*

Colors for the Central Building in an up-and-coming neighborhood in Denver, CO were selected by **The Color People**. *Key in no. 5470*

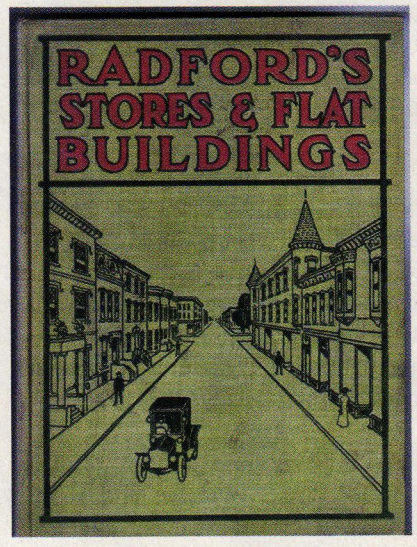
Rudolph Torrino of **Modern Art Foundry** cast this statue of Pope John Paul II for the Catholic Center of Central West End in St. Louis, MO. *Key in no. 1810*



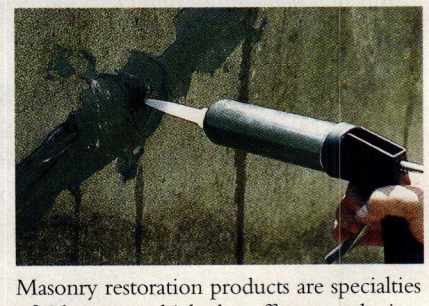
Custom historic tile is the specialty of **Designs in Tile**. *Call for more information.*



This detail of a custom hand-forged iron railing shows the work of **Wiemann Metalcraft**. *Key in no. 1223*



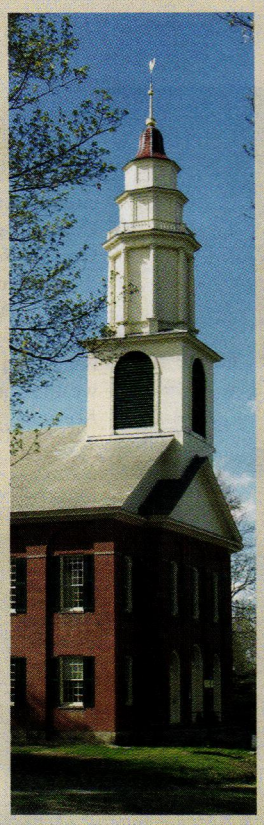
This is one of many historic books available from **Steve Schuyler, Bookseller**.



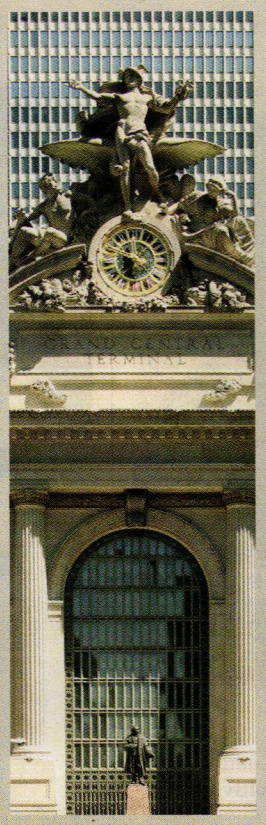
Masonry restoration products are specialties of **Abatron**, which also offers consultation service. *Key in no. 1300*

BUILDING CONSERVATION ASSOCIATES INC.

HISTORIC PRESERVATION • ARCHITECTURAL CONSERVATION

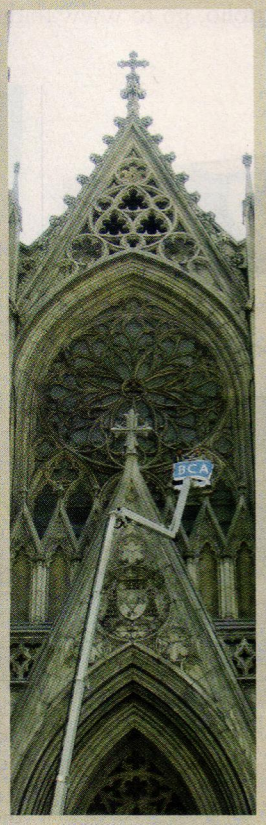


First Church of Deerfield

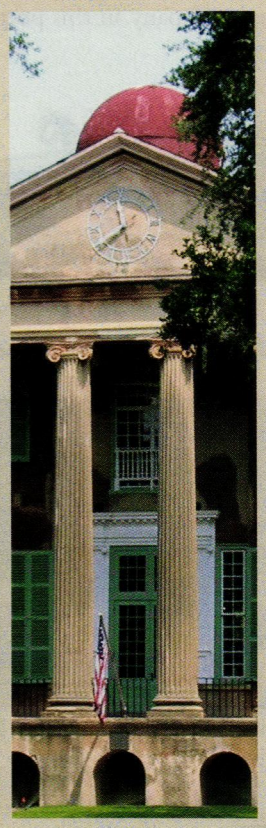


Grand Central Terminal

Seventh Regiment Armory



St. Patrick's Cathedral



College of Charleston

NEW YORK
Raymond Pepi
158 West 27th Street
New York, NY 10001
212.777.1300

BOSTON
Andrea Gilmore
580 High Street
Dedham, MA 02026
781.329.4145

PHILADELPHIA
Dorothy S. Krotzer
329 Race Street
Philadelphia, PA 19106
215.923.2834

BCA

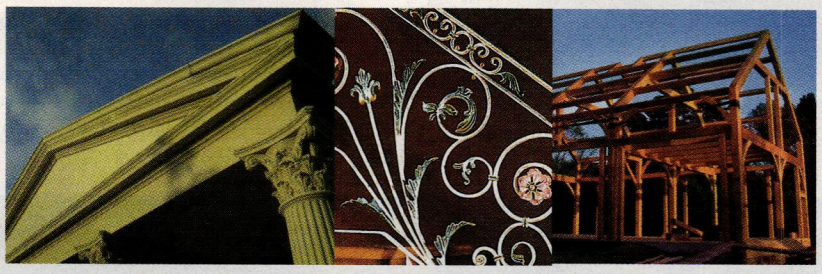
www.bcausa.com

KEY IN NO. 1673

TRADITIONAL PRODUCT

Galleries

The world of traditional products is wide and wonderful. Traditional Product Galleries makes finding the right items easy – and interesting.

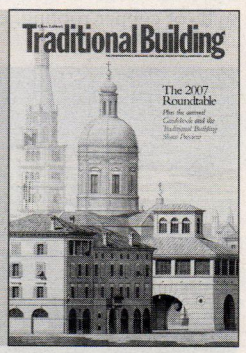


www.traditionalproductgalleries.com

Stephen Ortado
HISTORIC STRUCTURES
PRESERVATION & RESTORATION CONTRACTOR
Fine Finishes and Ornamentation
Window & Door Restoration and Weatherization
Preservation has always been "Green Technology"
3711 Cumberland Street NW | Washington, DC 20016
Phone: 202.686.0135 | Fax: 202.686.0135 | ortado@starpower.net
www.historicstructuresdc.com

KEY IN NO. 1991

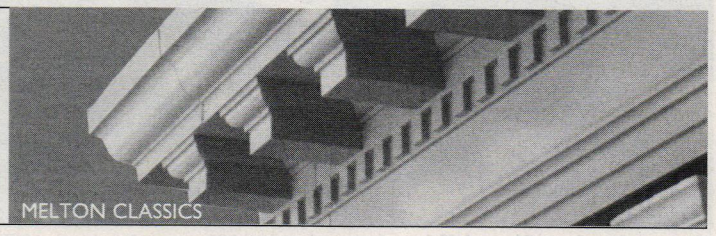
If you'd like to order a gift subscription for a colleague, just call 800-548-0193



---

restoration & new construction

www.traditional-building.com

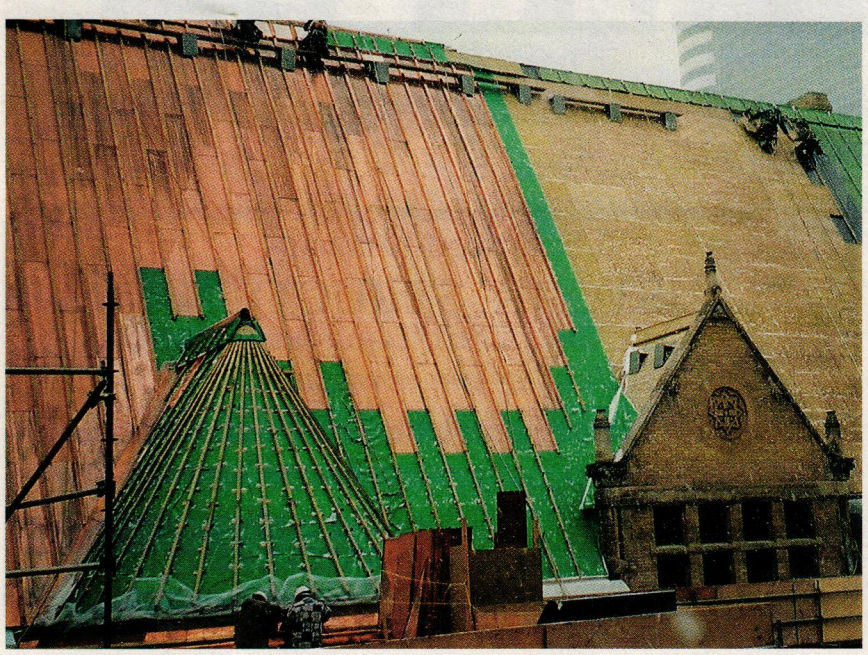


Roofing & Roof Specialties

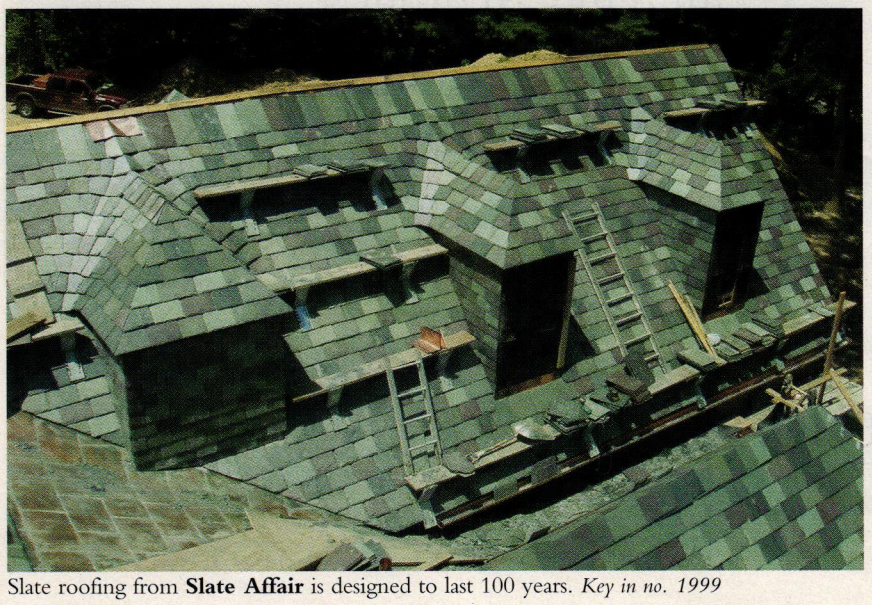
To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

Unique fascia brackets are available from **Classic Gutter Systems**. *Key in no. 1280*

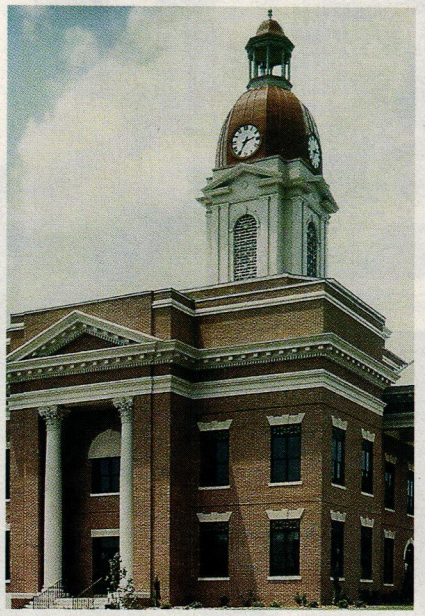
Boston Valley Terra Cotta restored and replicated the roof tile for the Department of Justice Building in Washington, DC. *Key in no. 160*



Heather & Little Limited's restoration of the Toronto Old City Hall required 113,900 sq.ft. of copper roofing, cornices, gutters and sheet-lead work. *Key in no. 2470*

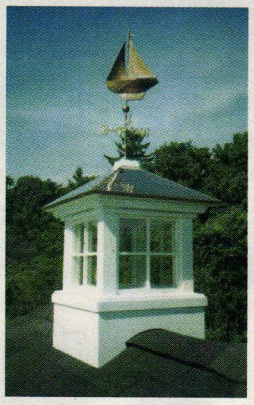


Slate roofing from **Slate Affair** is designed to last 100 years. *Key in no. 1999*

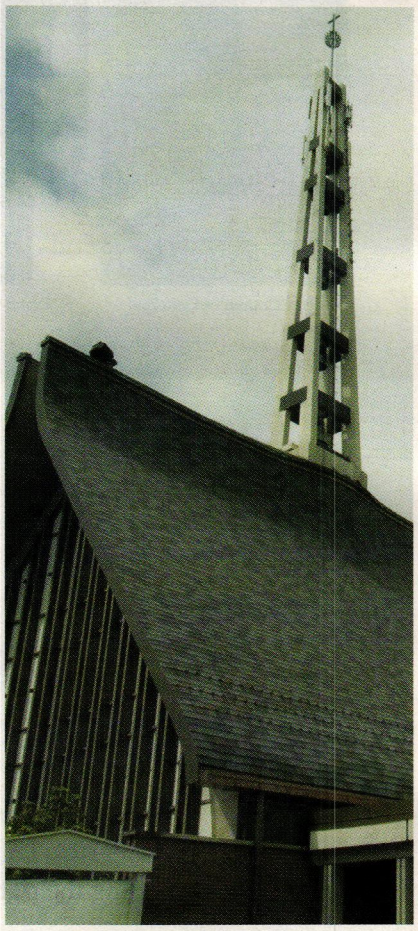


This aluminum cupola, with a 6-ft.-dia. clock and aluminum cornice, was created for the Worth County Courthouse in Sylvester, GA, by **Campbellsville Industries**. *Key in no. 2730*

Renaissance Conservatories fabricates custom skylights and conservatories. *Key in no. 0378*



The model # 3CC-G-PV cupola from **Cape Cod Cupola** is shown here with the firm's Marconi Rigged Sailboat weathervane. *Key in no. 1514*



Four colors of composite slate roofing from **InSpireSlate** - gray, charcoal gray, red cedar and forest green – were used to rejuvenate the 85-ft.-tall, 140-ft.-wide roof of the Kirkwood United Methodist Church near St. Louis, MO. *Key in no. 1932*

Ludowici supplied the roof tile for the National Institute of Health in Bethesda, MD. *Key in no. 2760*

blended color tiles : : class A fire rating : : **100% recyclable**

InSpire™ Roofing :: Innovation Born from Original Thinking

We innovate for a living. That's why InSpire Roofing delivers optimum performance and style that you can rely on when specifying products that are authentic and environmentally responsible. Find out why InSpire is fast becoming the roofing material of choice for the most discerning Architect. We innovate for a living and manufacture products that will work hard for years to come. Innovate today.

The Tapco GROUP™

Innovative Exterior Products™

www.thetapcogroup.com

KEY IN NO. 1932

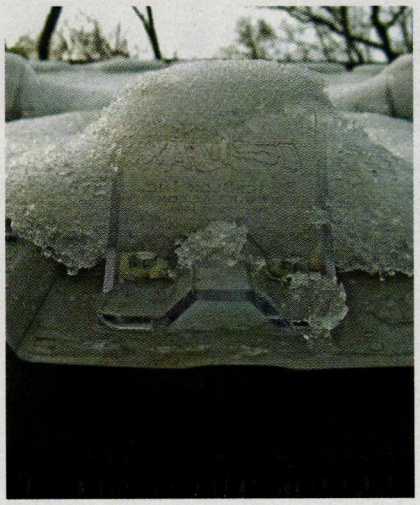
ROOFING :: SIDING :: SHUTTERS :: SIDING COMPONENTS :: TOOL SYSTEMS :: EGRESS SYSTEMS :: TRIM :: STONE VENEER

This custom copper finial was fabricated by **NIKO**. *Key in no. 8300*

Tile Roofs supplied the salvaged Mission tile and fittings for the roof of the Blue Sky WInery's new tasting room. *Key in no. 4570*

This gazebo features **W.F. Norman Corp.**'s Style "A" shingles with its continuous hip finish and a custom-made finial on top. *Key in no. 520*

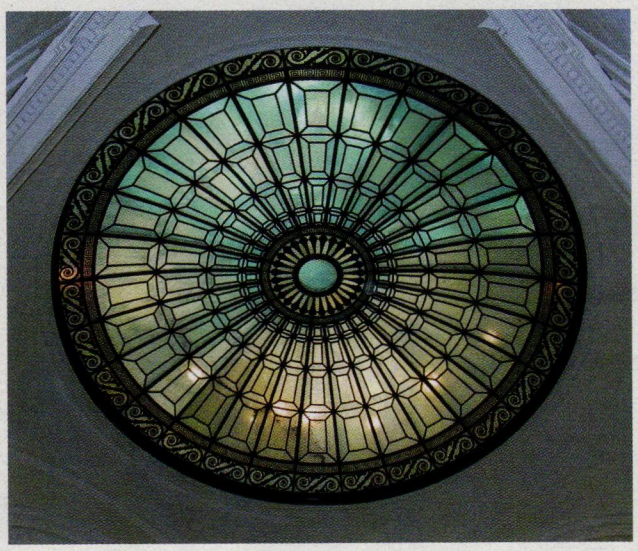
EJMcopper fabricated this cupola and weathervane. *Key in no. 1377*



SnoBlox's IceJax I snowguard is shown here installed on a roof with the firm's LeafBlox gutter.

Gladding, McBean's 18-in. Cordova Franciscan Blend roof tile was used on this building. *Key in no. 6010*

Solar Innovations manufactured this 17-ft. square pyramid skylight and 6-ft. cross for Crossroads Presbyterian Church in Limerick, PA. *Key in no. 1174*



Historical Arts & Casting fabricated this 11-ft.-dia. skylight in bronze. *Key in no. 1210*

Tanglewood Conservatories specializes in custom features, such as this sky mural, in its conservatories. *Key in no. 8270*

The most trusted name in roofing for over 120 years.

Over 30 standard profiles

An infinite range of colors

75 year warranty

With an expected life span over 100 years Ludowici Roof Tiles are the most sustainable roofing material.

To learn more visit us at;

Ludowici.com

1-800-945-8453

LUDOWICI ROOF TILE

KEY IN NO. 2760

Roofing Tile / Fittings
Clay and Concrete,
New and Historical
Largest Selection
Custom Manufacturing

TRI TILE ROOFS, INC.

TILE ROOFS, INC.
9505 Corsair Road, Frankfort IL 60423 • tileroofs@aol.com
(708) 479-4366 • FAX (708) 479-7865 • **Toll Free: 888-708-TILE**
www.tileroofs.com

KEY IN NO. 4570

When contacting companies you've seen in the issue, please tell them you saw their listing in Traditional Building.

Making History...TODAY!™

Architects across the country call on *"The Steeple People"* to replicate their cupolas and towers; when historical accuracy, quality, and attention to detail matter. The historic 154' clock tower for the Hoboken Ferry Terminal in Hoboken, NJ, was meticulously researched from period drawings, and photographs for authenticity. The original tower was removed in the early 1950's, and is now restored by Campbellsville Industries as part of the on-going restoration of the terminal complex.

"The Steeple People"® ...PLUS!
(There's Only One)

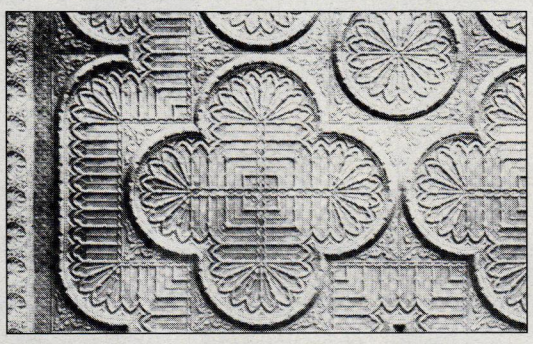
KEY IN NO. 2730

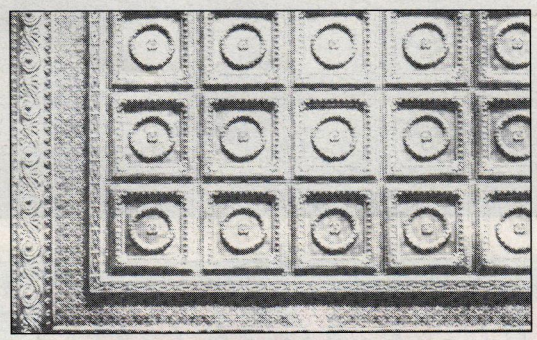
The Nation's Most Complete Collection Of

Architectural Sheet Metal

Decorative Metal Ceiling & Wall Panels

Hi-Art™ Steel Ceiling systems are made using original 100 year-old dies. The Hi-Art™ line includes center plates, corner plates, border plates, cornice and filler plates — permitting classic designs proportioned for an exact fit. Over 140 patterns in either steel or copper.



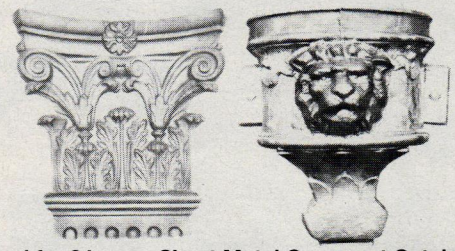


Write for 72-page Sheet Metal Ceiling or Circle No. 52

Sheet Metal Ornaments

Our 100 year-old line of sheet metal ornament contains over 1,300 items available in zinc or copper.

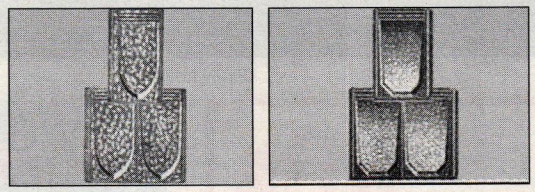
Cornices ☆ Moldings ☆ Capitals ☆ Brackets ☆ Corbels
Rosettes ☆ Balusters ☆ Urns ☆ Festoons ☆ Finials
Scrolls ☆ Leaves ☆ Friezes ☆ Glass Pendand
Frames ☆ Cresting ☆ Garlands ☆ Panel Ornaments ☆ Lion Heads ☆ Conductor Heads & Fittings



Send for 84-page Sheet Metal Ornament Catalog

Original 1908 Line of Metal Shingles

Original 1908 line of Victorian style "A" and "C" shingles...Available in galvanized steel and solid copper. Crestings, finials and trim also available.



Style "A" **Victorian Styles** Style "C"

Pressed Metal Siding

Pressed metal siding from turn-of-the-century dies: lightweight, durable, economical. Brick, Rock-faced Brick, Pitch-face Stone and Cluster Shingle.

Write for Pressed Metal Siding Brochure

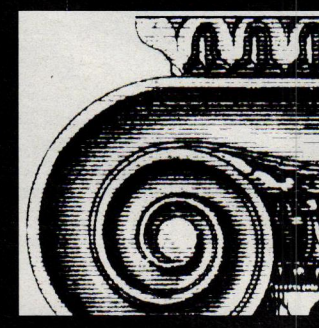
Custom Reproductions

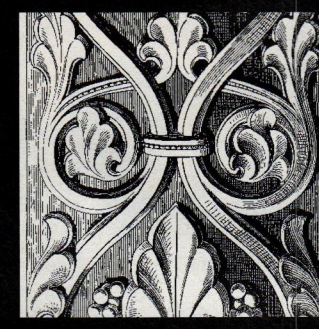
Our manufacturing process enables us to make reproductions of original panels on a custom basis... or to produce your original design. Call us to discuss your needs.

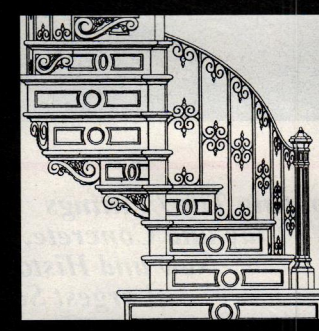
W.F. Norman Corp.

P.O. Box 323 Nevada, MO 64772
Toll Free: 800-641-4038
wfnorman.com • wfnorman@sofnet.com

KEY IN NO. 520



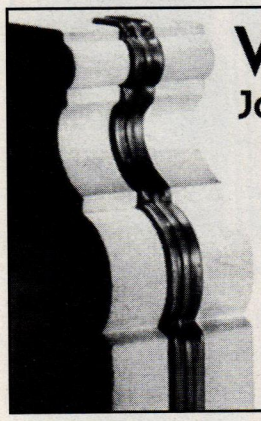




Surf the Industry

Online data & links for more than 673 suppliers of products & services for restoration, renovation and historically inspired new construction for civic & commercial projects.

www.traditional-building.com



Weathercap®

Joint Protective System

A permanent elastic seal for any masonry joint

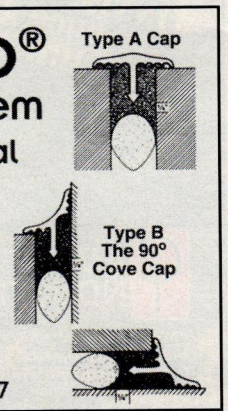
WEATHERCAP

U.S. Patent 6991400

Weathercap,® Inc.

www.weathercap.net

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



KEY IN NO. 504

NEW!
PRODUCT LITERATURE
ONLINE

The fastest way to get supplier catalogs

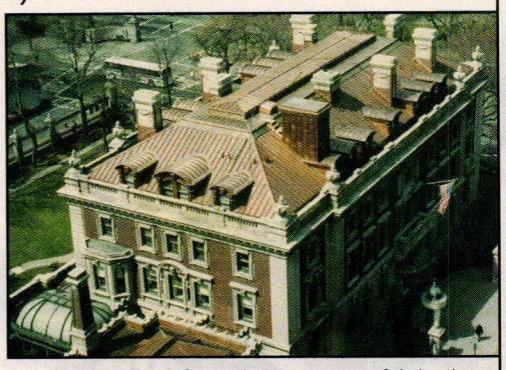
This issue's "Free Product Literature" form is now online. Literature requests are e-mailed directly to advertisers for fastest action. To use this online service:

- Log onto www.traditional-building.com
- Click on "Free Product Literature"
- Select "Issue Product Literature Card"

www.traditional-building.com

Quality Craftsmanship Nationwide Since 1974

ROOFING
Slate • Tile • Metal
•
ARCHITECTURAL
SHEET METAL WORK
and ORNAMENTATION
•
CUSTOM FABRICATION
•
HISTORIC
RESTORATION
•
PRESSED METAL
CEILINGS



NKC CONTRACTING CO.

For information on custom fabrication and/or installation contact:
Phone (412) 687-1517
3434 Parkview Ave., Pittsburgh, PA 15213

KEY IN NO. 8300

CLASSIC GUTTER SYSTEMS, LLC

Half round gutters ... a solid investment

Samples available

- Multiple mounting options
- Unique fascia, downspout and decorative castings
- Complete line of half round gutter in 5", 6" & 8" copper, aluminum & Galvalume
- **Buy Direct**

PH. (269) 665-2700 FAX (269) 665-1234

For complete product and pricing visit **www.classicgutters.com**

KEY IN NO. 1280

Steven Schuyler
BOOKSELLER
Specializing in books and materials for the historic building market.

Visit our new website and browse the virtual bookstore featuring 1000 recently acquired out-of-print or hard-to-find titles for preservationists and period homeowners.

www.rarebookstore.net

129 Park Street • North Reading, MA 01864
978.664.6455 • 978.664.5959 fax • rarebook@comcast.net

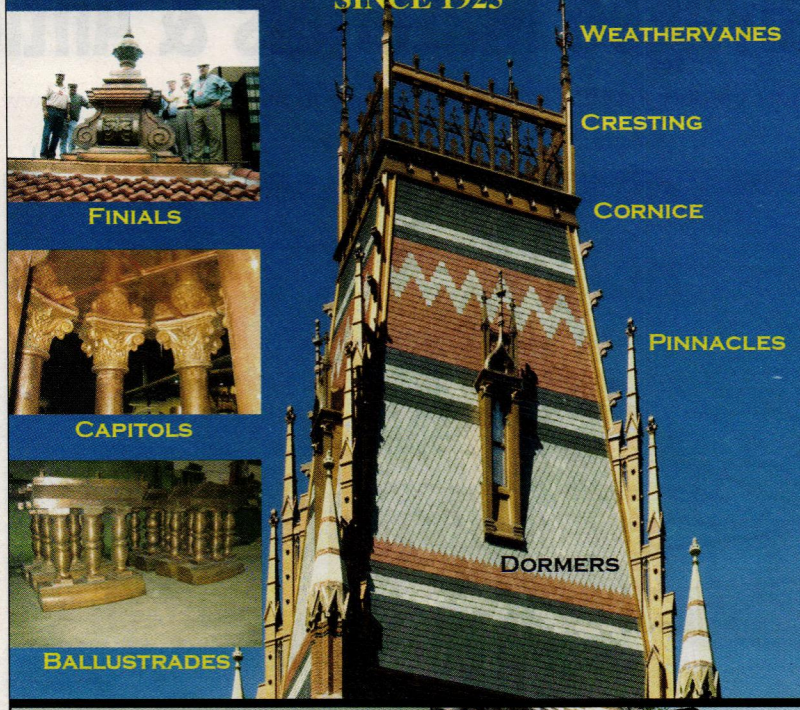
CUPOLAS WEATHERVANES

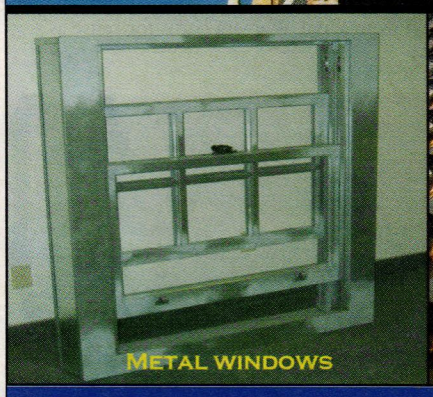
Send $5.00 for a new, expanded color catalog. Refundable with first order. Largest choice of cupolas, unique U.S. handmade weathervanes, and Colonial accessories. NEW! Octagon and window cupolas in many sizes, also copper finials.

CAPE COD CUPOLA CO., INC.
Established in 1939
Dept. TB, 78 State Road
North Dartmouth, Massachusetts 02747
www.capecodcupola.com

KEY IN NO. 1514

Heather & Little Limited
HISTORIC SHEET METAL REPRODUCTIONS SINCE 1925





Heather & Little Limited specialize in the reproduction of architectural ornamental sheet metal elements as well as custom fabrications in all types of sheet metal throughout North America
Call TOLL FREE 1-800-450-0659
Fax 905-475-9764 Local 905-475-9763
www.heatherandlittle.com
Email: info@heatherandlittle.com

KEY IN NO. 2470

restoration & new construction

architects • contractors • building owners
facilities managers • interior designers
developers • landscape architects
building managers • preservation planners
restoration consultants

what you need to know

www.traditional-building.com

EJMcopper, Inc

Quality Manufacturers of Architectural Copper Work

Chimney Caps
Dormer Vents
Leader Heads
Rain Chains
Weathervanes
Finials
Cupolas
Louvers

Toll Free: 407.447.0074
Fax: 407.447.0075

www.EJMcopper.com

KEY IN NO. 1377

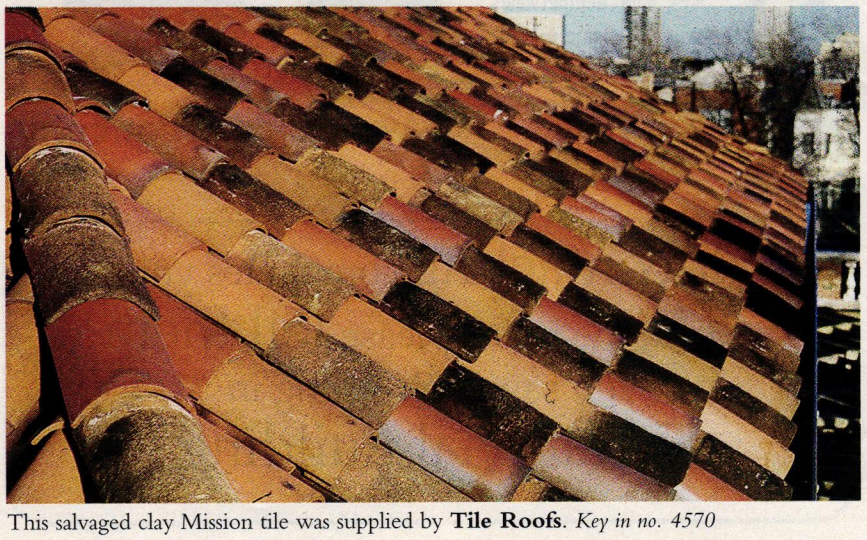
When contacting companies you've seen in the issue, please tell them you saw their listing in Traditional Building.

Salvaged Materials & Antiques

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

Carlson's Barnwood Co. reclaims barn wood from Civil War-era barns for reuse as flooring, siding and barn beams. *Key in no. 2744*

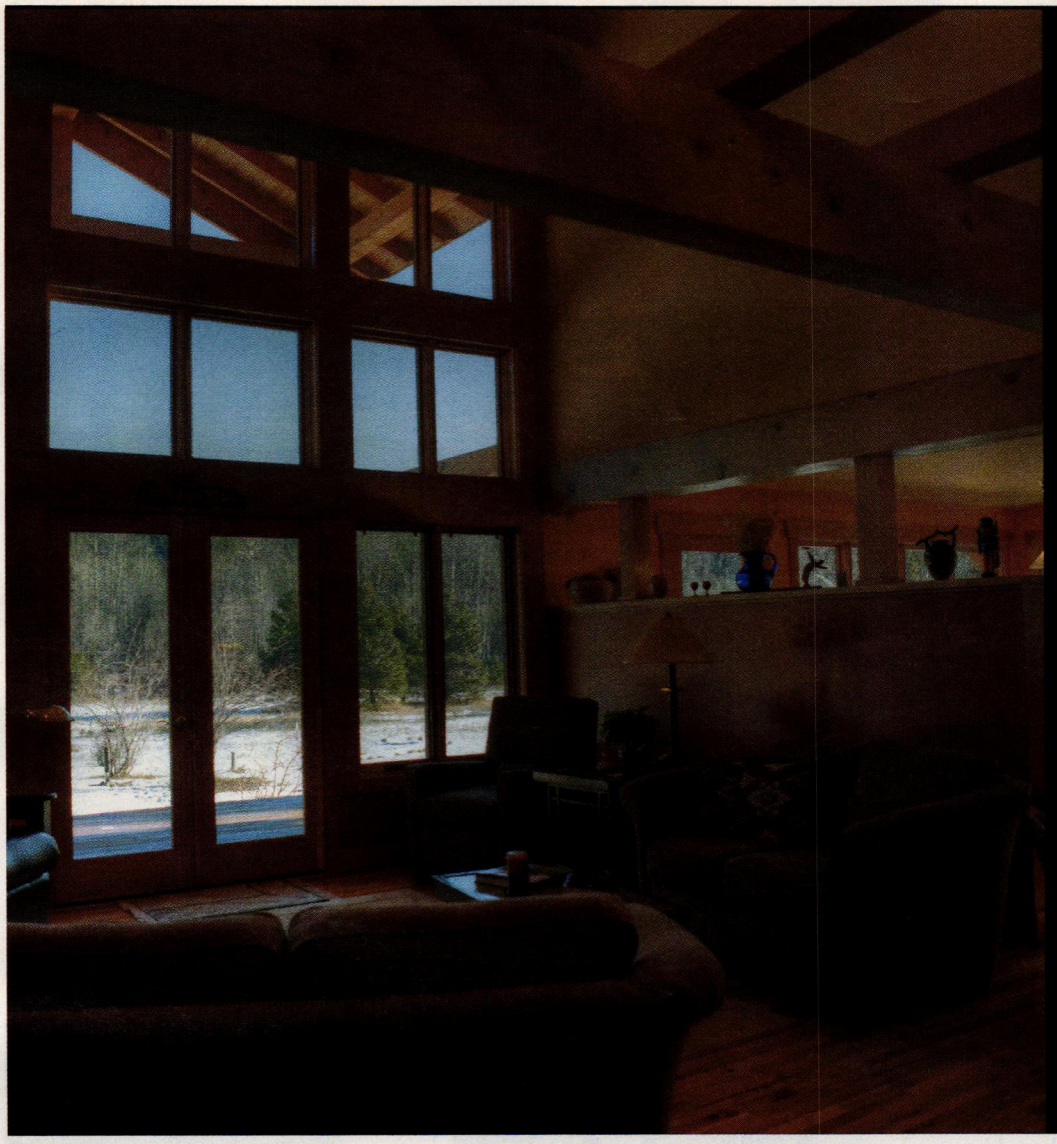
Reclaimed chestnut flooring from **Chestnut Specialists** creates an historic environment in this room. *Call for more information.*



This salvaged clay Mission tile was supplied by **Tile Roofs**. *Key in no. 4570*

This stair was manufactured by **Goodwin Heart Pine** in river-recovered select heart pine. *Key in no. 1330*

These reclaimed bricks were supplied by **Gavin Historical Bricks**. *Key in no. 8079*



Beautiful and Durable Naturally

Using wood as a building material gives you an alternative to fossil fuel based products, in turn reducing your impact on the environment. Lumber products also greatly increase the resale value of your home.

BEAR CREEK LUMBER

BearCreekLumber.com

(800) 597-7191

Western Red Cedar | Alaskan Yellow Cedar

Port Orford Cedar | Douglas Fir | Ipe | Teak

KEY IN NO. 521

WWW.
traditional-building.com

Internet gateway to historical products

GOOD TIME STOVE CO.

Fully Restored Genuine Antique Wood, Gas and Coal Stoves

All Stoves can be set up for Gas & Electric

www.goodtimestove.com • 1-413-268-3677

Ask for Sara, the Stove Princess

A Family Business selling Fine Antique Stoves since 1973

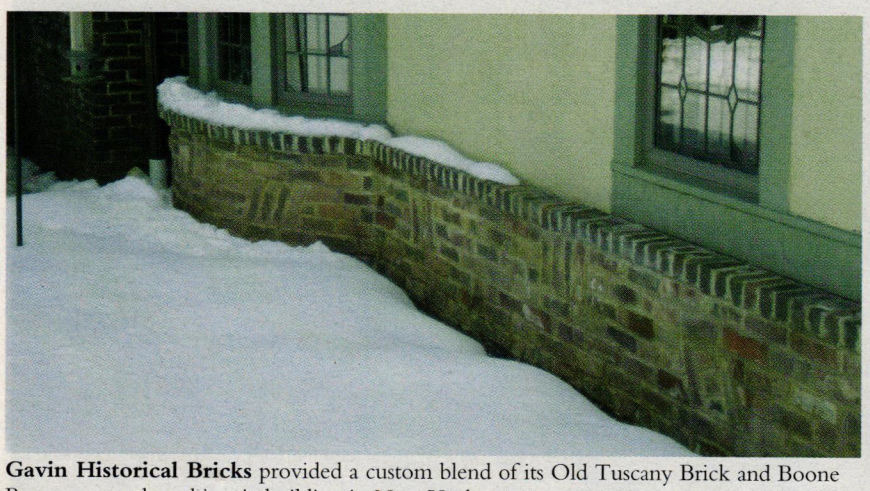
The International Network for Traditional Building, Architecture & Urbanism is a world-wide organization dedicated to the support of traditional building, the maintenance of local character and the creation of better places to live. **www.intbau.org**

I · N · T · B · A · U

PATRON: HIS ROYAL HIGHNESS THE PRINCE OF WALES

Stone, Brick & Masonry

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

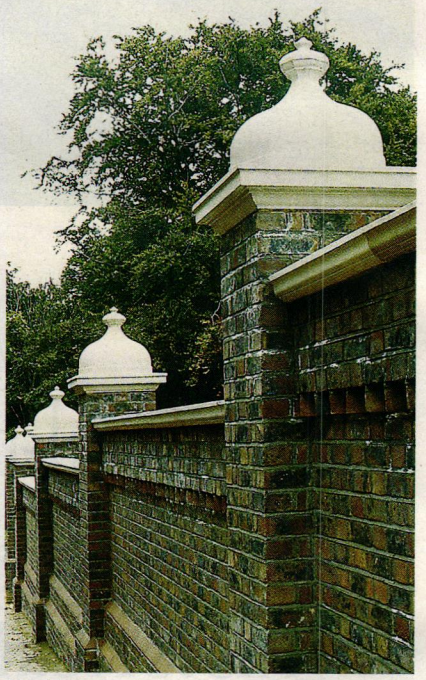


Gavin Historical Bricks provided a custom blend of its Old Tuscany Brick and Boone Pavers to match an historic building in New York. *Key in no. 8079*

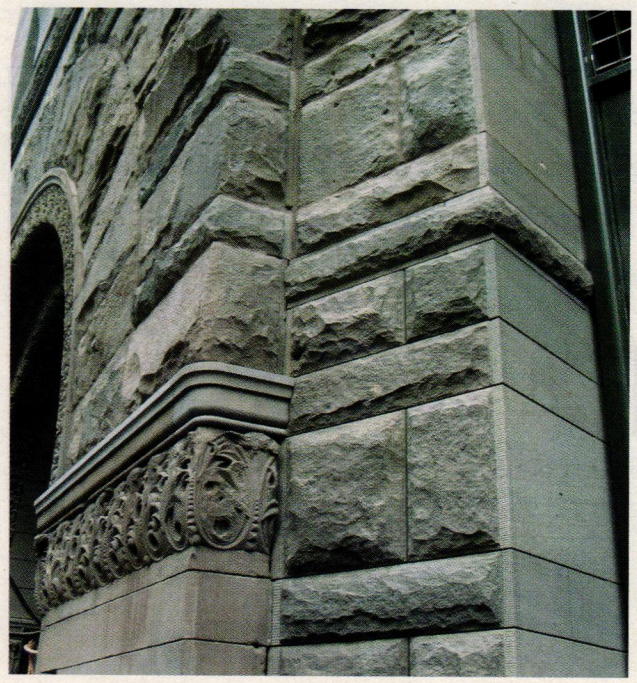
Stoneyard.com's Historic New England Fieldstone is available in five shapes for exterior cladding and interior veneer, including wine cellars. *Key in no. 2001*

Krukowski supplied its Carmel Cream thermal patterned flagstone and its Aqua Grantique thermal patterned flagstone for this church.

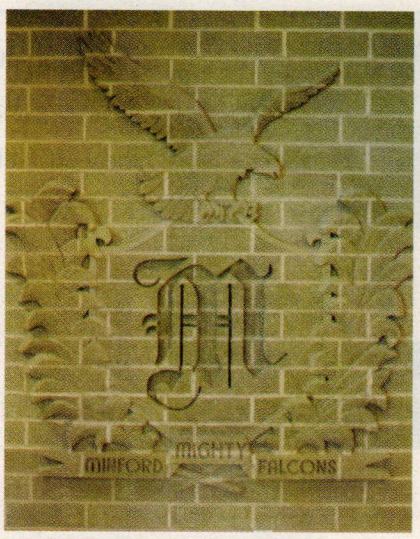
ArmaKleen Co. used Armex, a baking soda-based media, to clean the Boydel Building in Detroit, MI. *Key in no. 406*



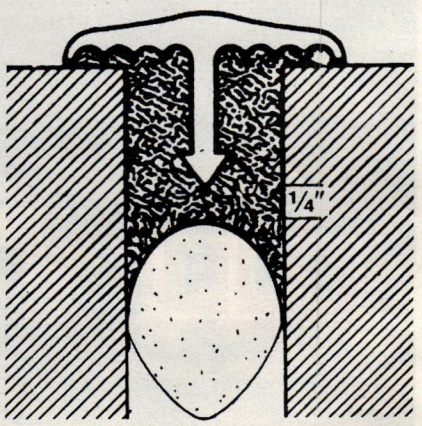
Haddonstone manufactured the stone gate piers for this wall. *Key in no. 4020*



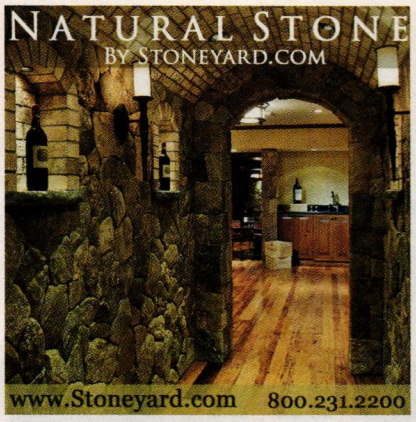
Kopelov Cut Stone quarried and fabricated the Brownstone for the renovation of this historic facade in San Fransisco.



This image was created using brick from **Belden Brick**. *Key in no. 1891*



Weathercap's joint protection system is a soft-lead strip embedded in caulk to form a cap or seal for any masonry joint. *Key in no. 504*



KEY IN NO. 2001

www.
traditional-building
.com

The internet marketplace for historical products & services

Clean it up!

Historic Preservation

Remove the dirt, grime, paint and pollution of the ages while preserving the past.

Mold Remediation

Clean all surfaces, wood, brick, block, cement, stone, metal and glass.

Fire Restoration

Salvage surfaces while deodorizing, eliminating the need for sealants.

A New Generation of Architectural Cleaning Products Can Beautify Historic Buildings

Armex® Cleaning and Coating Removal Systems are a low impact, non-toxic*, environmentally sensible alternative to chemical solvents and harsh abrasives. Armex can be used to clean and depaint any surface including marble, limestone, natural stone, iron, glass, steel, galvanized metal aluminum, concrete or composite materials. Armex has cleaned historic buildings all over the world including the **Valley Forge National Memorial Arch**; the **Golden Gate Amphitheater**; the **Statue of Liberty**, the **Beethoven House** in Vienna, Austria and the **Royal Gallery of Art** in Stockholm, Sweden.

*per EPA regulations

ARM & HAMMER® ARMEX®
Cleaning and Coating Removal Systems

- Distribution worldwide
- Rental equipment available at most locations

www.ARMEX.com

Call ARMEX today 800-332-5424

ARMEX® and ARM & HAMMER® are registered trademarks of Church & Dwight Company

KEY IN NO. 406

Boston Valley Terra Cotta

Visit our website at
www.bostonvalley.com

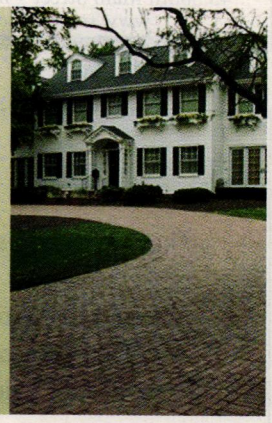
KEY IN NO. 160

GAVIN HISTORICAL BRICKS 319-354-5251

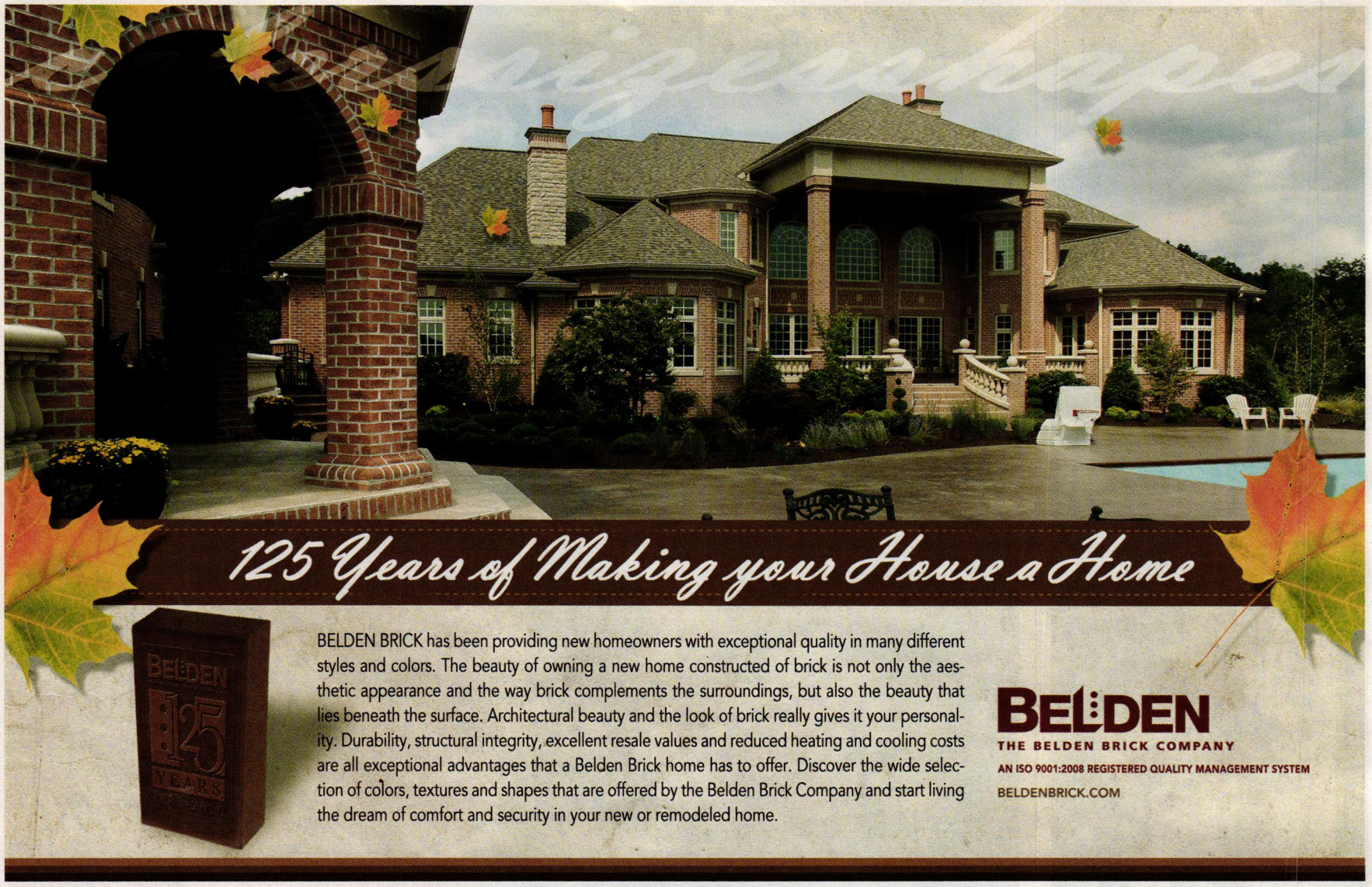
Antique Brick and Stone Shipped Nationwide Direct:

- Street Pavers
- Granite Cobblestone
- Building Bricks
- Clinker Bricks
- Custom Brick Matching

info@HistoricalBricks.com www.HistoricalBricks.com



KEY IN NO. 8079

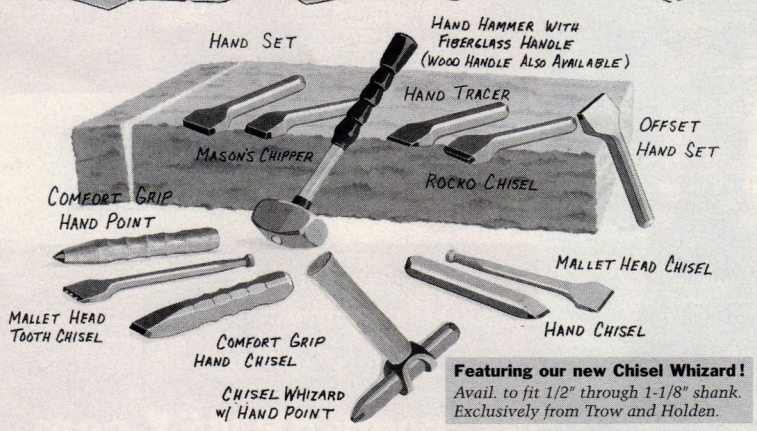


BELDEN BRICK has been providing new homeowners with exceptional quality in many different styles and colors. The beauty of owning a new home constructed of brick is not only the aesthetic appearance and the way brick complements the surroundings, but also the beauty that lies beneath the surface. Architectural beauty and the look of brick really gives it your personality. Durability, structural integrity, excellent resale values and reduced heating and cooling costs are all exceptional advantages that a Belden Brick home has to offer. Discover the wide selection of colors, textures and shapes that are offered by the Belden Brick Company and start living the dream of comfort and security in your new or remodeled home.

BELDEN
THE BELDEN BRICK COMPANY
AN ISO 9001:2008 REGISTERED QUALITY MANAGEMENT SYSTEM
BELDENBRICK.COM

KEY IN NO. 1891

TROW & HOLDEN CARBIDE HAND TOOLS



Featuring our new Chisel Whizard!
Avail. to fit 1/2" through 1-1/8" shank. Exclusively from Trow and Holden.

- **The most rugged, versatile and cost effective** tools of the trade
- **The widest variety** of styles and sizes, made from the finest materials

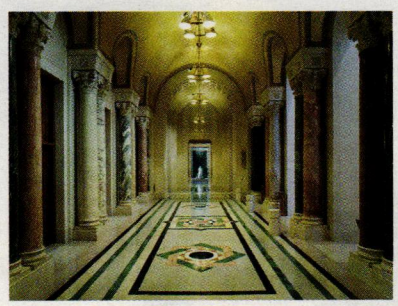
MADE TO LAST SINCE 1890 IN BARRE, VERMONT USA

TROW & HOLDEN COMPANY
FINE STONEWORKING TOOLS

45 South Main Street • Barre, VT 05641 • Toll-Free 1-800-451-4349 • 802-476-7221
www.trowandholden.com • *Please call or write for a free catalog.*

KEY IN NO. 1058

RUGO STONE LLC
NATURAL STONE & MOSAIC CONTRACTORS



With over 15 years experience in detailed fabrication and installation, we can design, model, fabricate and install any type of mosaic, statue or stone furnishing in your Church space.

RUGO STONE

7953 Angleton Court, Lorton, VA 22079 571-642-2672 phone 571-642-2678 fax
info@rugostone.com www.rugostone.com www.rugostonedistribution.com

KEY IN NO. 1883

When contacting companies you've seen in the issue, please tell them you saw their listing in Traditional Building.

www.traditional-building.com
Internet Gateway to Historical Products

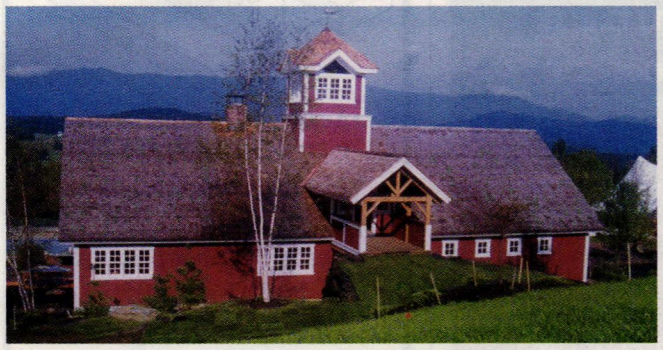
The central web site for historical products and services on the internet includes products used for restoration, renovation and new construction. There's more information and links to historical products than you'll find on any other site.

- Searchable Product Database with 255 product categories
- 276 online product brochures
- In-depth Product Report of the Month
- 727 companies listed and indexed in the Product Database
- Links to 673 companies and related organizations
- E-mail order form for Product Literature

Log onto and then bookmark: www.traditional-building.com

Timber Framing & Barns

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.



Liberty Head Post & Beam built this traditional barn in Vermont. *Key in no. 1233*

This 45x34-ft. barn was constructed by **Sylvan Brandt** using four bents and eight major outside posts, most of which are hand-hewn hardwood. *Key in no. 3950*

This brace detail from a structural truss shows the work of **Hugh Lofting Timber Framing**. *Key in no. 663*

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

New England Homes by Country Carpenters creates unique timber ceiling systems. *Key in no. 1878*

Hand-hews beams and the antique roofers wood on the ceiling were both from **Carlson's Barnwood**; the firm also supplied the antique stained glass window and the rusty antique corrugated tin in the dormers. *Key in no. 2744*

Helping People Build Beautiful Country Places Since 1974!

Models on Display

NEW ENGLAND STYLE Country Carpenters INC. POST & BEAM BUILDINGS

Fine POST & BEAM Carriage Houses,
Garden Sheds & Country Barns
326 Gilead St. Hebron, CT 06248 www.countrycarpenters.com **860.228.2276**

KEY IN NO. 1439

Green Building Motto #1:

IF A TREE FALLS IN THE FOREST, MAKE A CHURCH OUT OF IT.

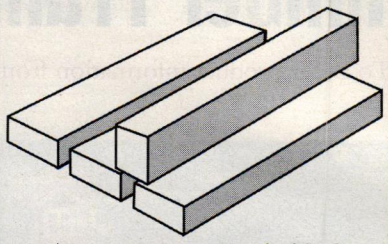
Call us at 610-444-5382
for a copy of our green building
information packet.
Or visit hughloftingtimberframe.com

HUGH LOFTING TIMBER FRAMING INC.

AS FINE AS FURNITURE

KEY IN NO. 663

QUALITY OAK TIMBERS



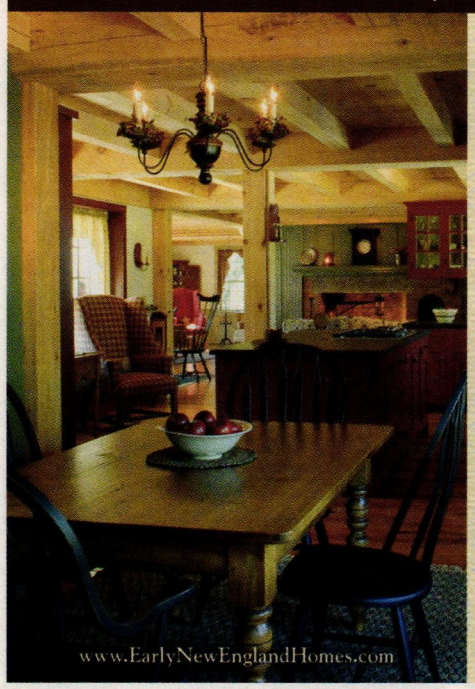
- **Accurate, custom 4-sided planing up to 9x15x40**
- **Also 2x6 and 1x6 T&G White Pine in stock**

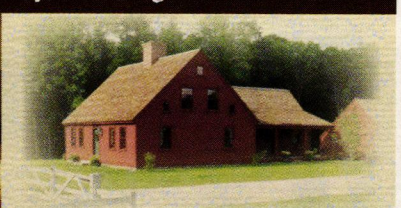
Call for timber price list
419-368-0005

Hochstetler Milling, Ltd.
552 St. Rt. 95
Loudonville, OH 44842

KEY IN NO. 1954

DISCOVER THE CHARM *of* Early New England Homes





Our 1750s style cape home building system boasts beautiful timbered ceilings, a center chimney, wide board floors and custom, handmade features in the convenience and efficiency of a new home.

Our model is open:
Mon-Fri 8-4:30, Sat 9-3

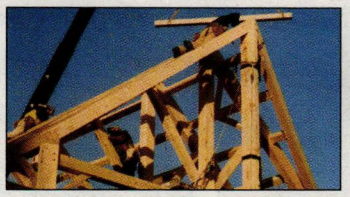
Early New England HOMES® by country carpenters, inc.

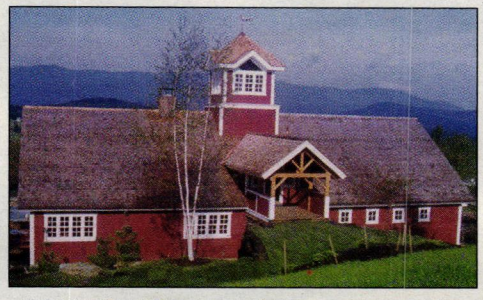
26 West Street
Bolton, Connecticut / 860.643.1148

KEY IN NO. 1878

LIBERTY HEAD

POST & BEAM, INC.
Custom Designed Timber Frames • Since 1977





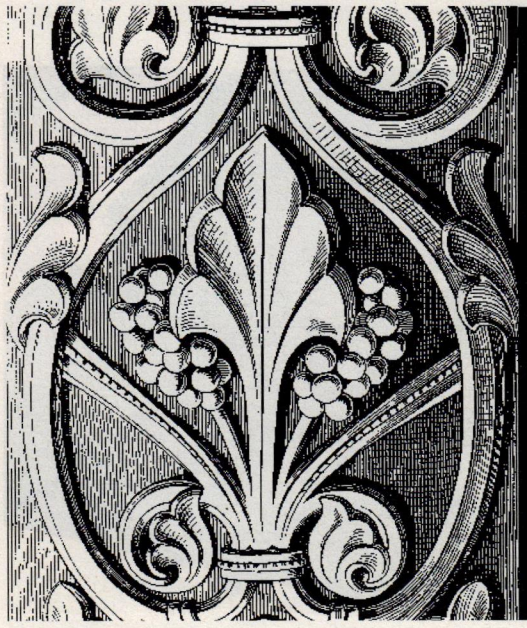
Call 800-434-2120 or send $5 for our complete portfolio:
P.O. Box 68A, Huntington, VT 05462

Handcrafted traditional joinery • www.libertyheadpostandbeam.com

KEY IN NO. 1233

www.traditional-building.com

Internet gateway to historical products



Surf the Industry

www.traditional-building.com

Online data & links for over 673 suppliers of products & services for restoration, renovation and historically inspired new construction for civic & commercial projects.

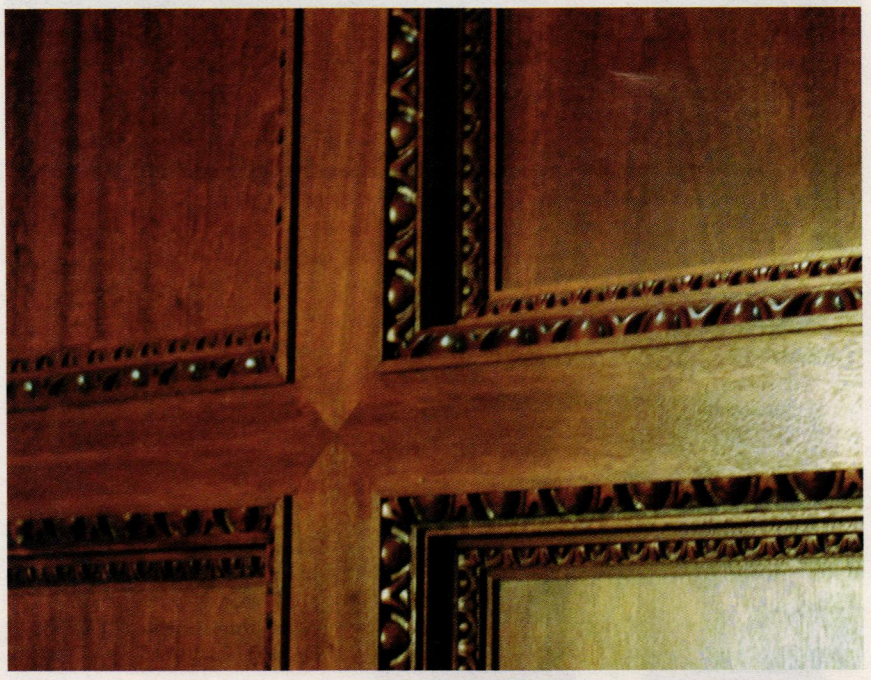
Woodwork

To order product information from a company in this portfolio, go to www.traditional-building.com/rs and key in the appropriate reader service number.

Goddard fabricates custom spiral staircases in oak, pine and other species. *Key in no. 4780*

These carved moldings by **Frederick Wilbur** feature one of the many traditional designs offered by the master carver. *Key in no. 1650*

This Lamb of God adorns the base of a St. Peregrine shrine in a church in Staten Island, NY; it was designed and hand-carved in cherry by **Deborah Mills**.



These egg-and-dart panel moldings were hand carved by the artisans at **Goodwin Associates** to enhance a mahogany wall. *Key in no. 806*

Traditional Product Reports

Visit this micro site containing in-depth information on traditional building products and materials.

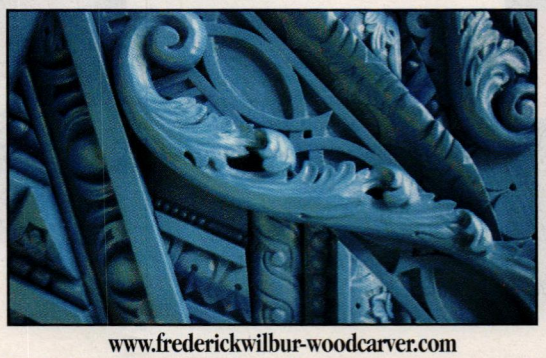
www.traditionalproductreports.com

Frederick Wilbur

ARCHITECTURAL CARVING

Frederick Wilbur WOODCARVER

P.O. Box 425
Lovingston, VA 22949
(434) 263-4827



www.frederickwilbur-woodcarver.com

KEY IN NO. 1650

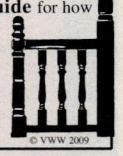
Architectural Details

- Guaranteed!
- Largest Supplier
- Interior/Exterior
- Wood & Synthetic
- Buy Direct & Save!

903-356-2158

Visit our Extensive Website for usage photos, how-to info, sizes/prices, and more.

See our Online Porch Guide for how to design, build, decorate, and enjoy your dream porch!

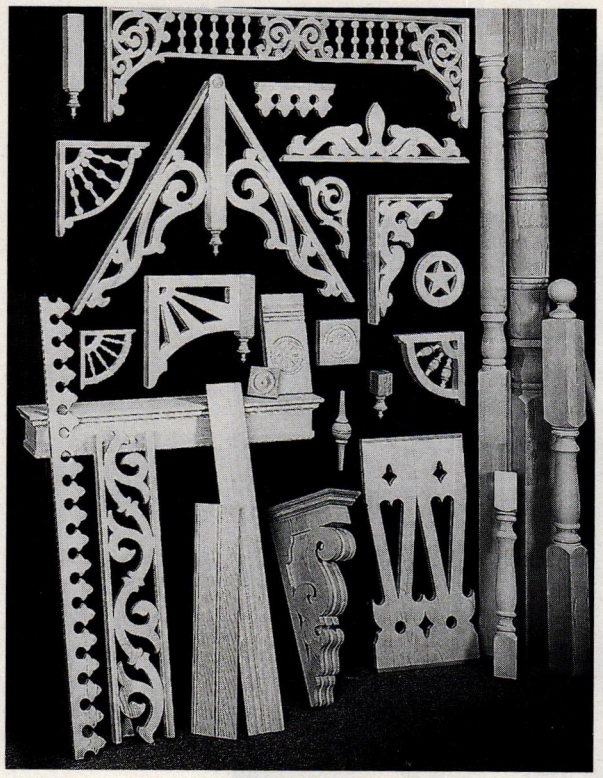


VINTAGE WOODWORKS
PO Box 39 MSC 4570
Quinlan, TX 75474-0039
www.vintagewoodworks.com

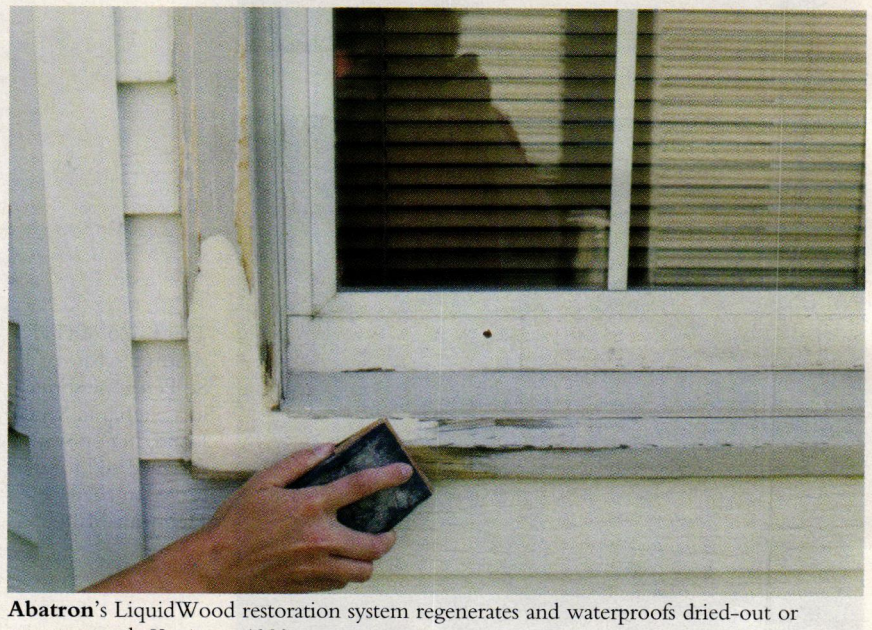
© VWW 2009

KEY IN NO. 1061

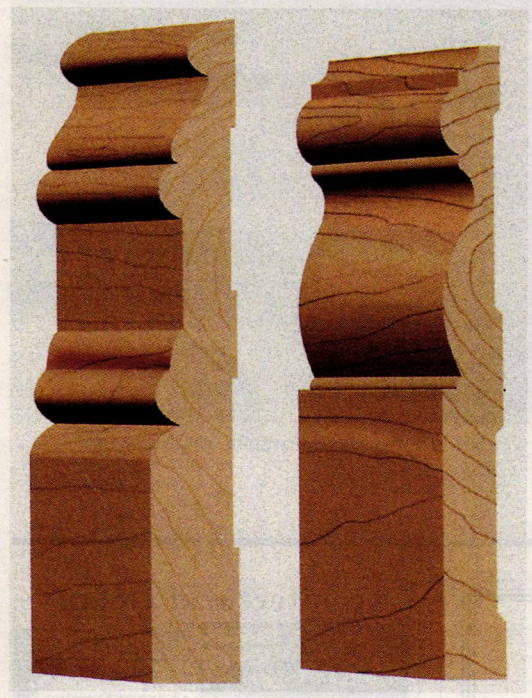
Zepsa designed and built this monumental staircase. *Key in no. 1996*



Vintage Woodworks offers a selection of Victorian-style trim that can be used in interior or exterior applications. *Key in no. 1061*



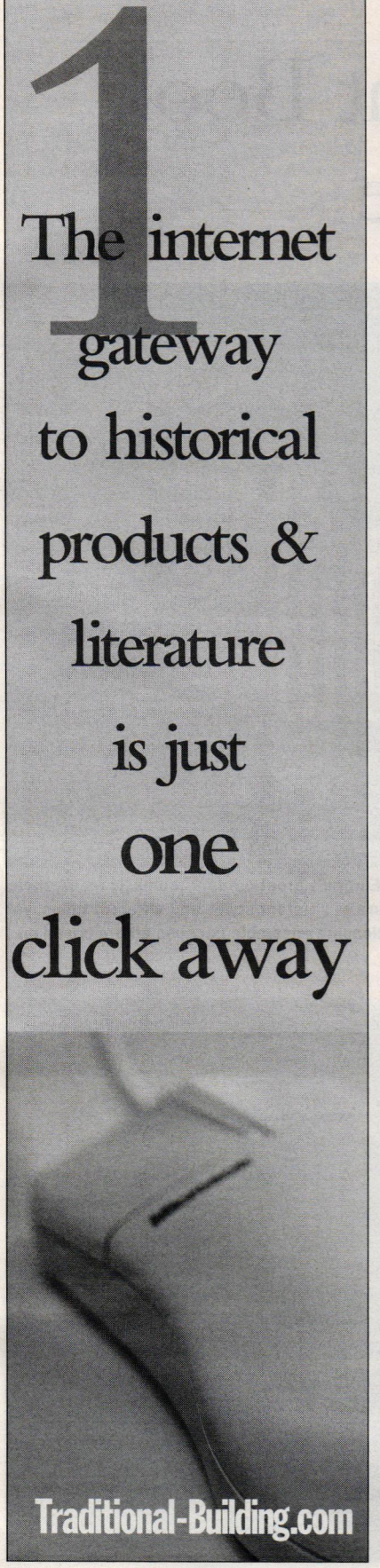
Abatron's LiquidWood restoration system regenerates and waterproofs dried-out or spongy wood. *Key in no. 1300*

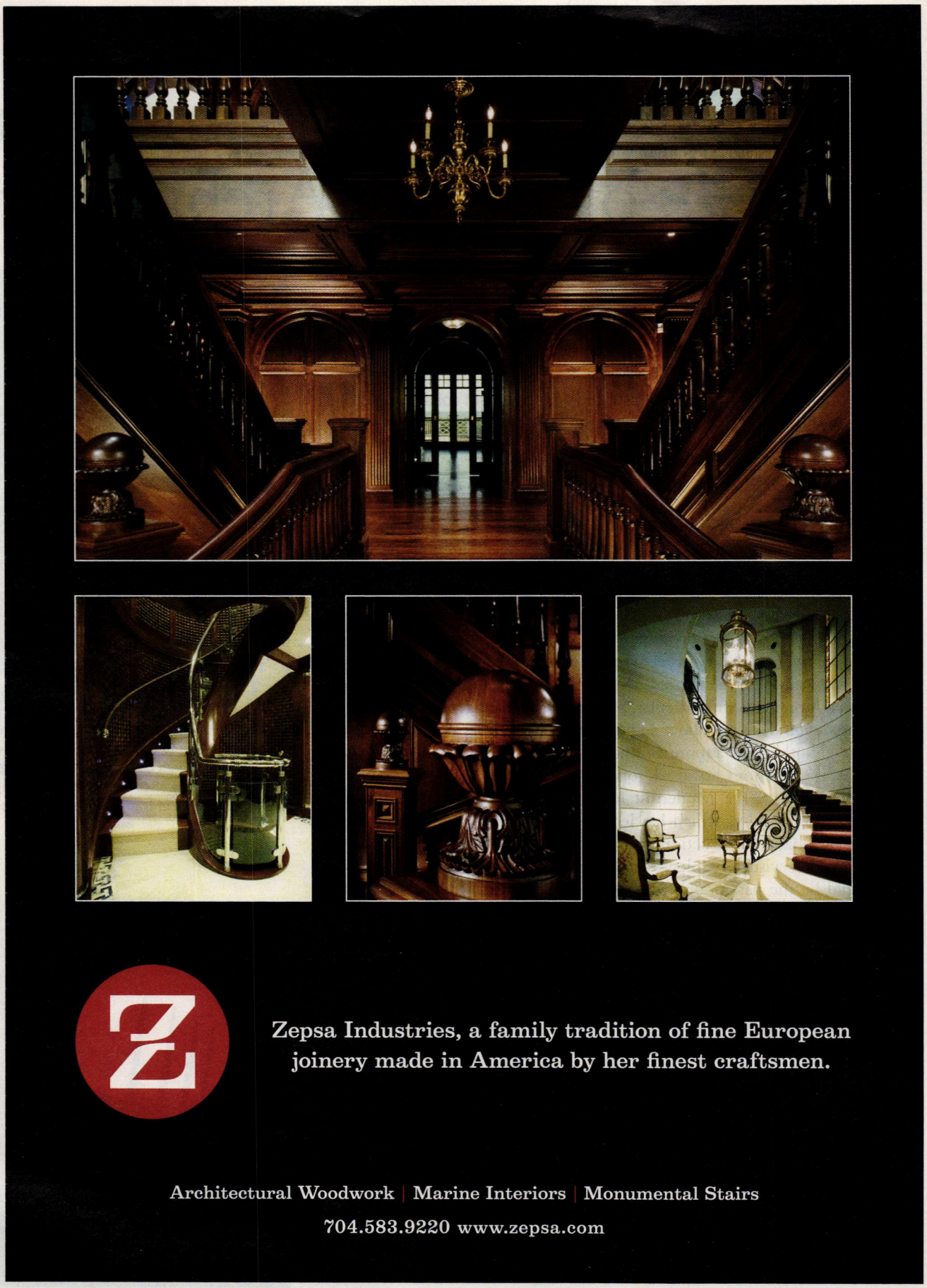


These base moldings, 1x7½ in. (left) and ¾x7¼ in. (right), are fabricated by **Superior Moulding** in red oak and poplar. *Key in no. 138*

Ornament carving is one of the specialties of **Heartwood Carving**.

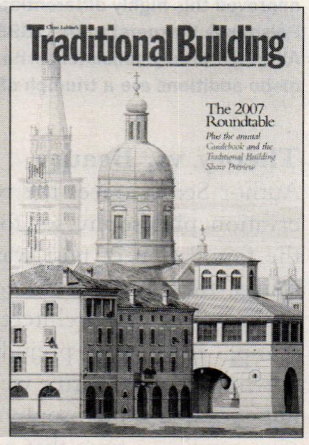
Goodwin Heart Pine offers stair parts, such as these handrails, in antique heart pine. *Key in no. 1330*





KEY IN NO. 1996

If you'd like to order a gift subscription for a colleague, just call 800-548-0193



KEY IN NO. 1274

The Decade's Most Important Book on Urban Architecture

The Future of the Past: A Conservation Ethic for Architecture, Urbanism, and Historic Preservation

by Steven W. Semes

W.W. Norton & Co., New York, NY; 2009

272 pp; hardcover; profusely illustrated with b&w and color images; $60

ISBN 978-0-393-73244-3

Reviewed by Clem Labine

With the publication of this volume, Steven Semes has vaulted into the first rank of contemporary architectural critics and preservation theorists. He casts an informed eye over American cities and finds things going terribly wrong with our treasured historic urban fabric. Ironically, many of the problems Semes identifies are rooted in current preservation theory. The book goes on to show how and why preservation theory went wrong and – most important – suggests a path that will lead to more civilized, socially responsible and aesthetically pleasing urban environments. In particular, he lays out an intelligent, consistent basis for making design decisions about additions to old buildings and insertions into existing neighborhoods – a more rational guide than is provided by the current Secretary of the Interior's Standards for Rehabilitation.

This book rejects the Modernist ideology that is embedded in current preservation philosophy, which has led to government promotion of architecturally dissonant construction in historic places. Instead, Semes argues persuasively that visual wholeness and architectural continuity of historic areas should be the paramount design imperative. In many historic settings, new traditional architecture provides the best route to harmony with existing building fabric, and Semes calls for rethinking preservation policies that have blocked the use of compatibly styled traditional design.

The author details how centuries of building culture and architectural tradition have been shunted aside in favor of abstract theory. The net result has been that much new construction in historic areas has pleased a handful of architectural critics, but has dismayed the vast majority of people who live in and use the spaces every day. The book lays out a new conservation ethic that fosters beautiful, environmentally sustainable, pedestrian-centered and economically viable places.

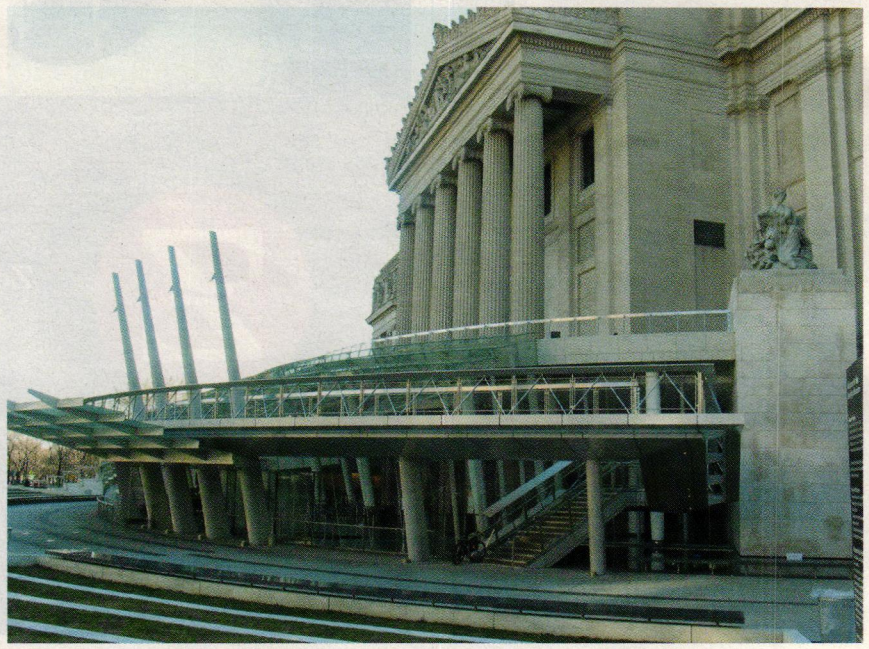
The Central Problem

If you have ever presented a project to a landmark commission or a design review board, you've probably encountered the problem addressed in this book. Governmental review bodies, lacking any other written preservation guidelines, frequently fall back on the Secretary of the Interior's Standards for Rehabilitation for guidance when approving additions to old buildings or for new construction in historic districts. Although the Secretary's Standards technically apply only to projects being submitted for Federal tax credits, the Standards have become *de facto* preservation policy for the entire country.

As a result, when considering design proposals for additions and infill construction, officials are likely to rely on this phrase from the Secretary's Standard #9: "The new work shall be differentiated from the old . . ." Unfortunately, there is much disagreement about *how* this differentiation should be made. Traditionalists point out that you can differentiate new work from old simply by bronze plaques and cornerstones with dates on them. However, advocates for Modernist architecture have seized upon this "differentiation" clause to argue that only new construction in radically contrasting styles will adequately inform John Q. Public which is old construction and which is new.

Since there's no doubt that Modernist design looks different from traditional design, many review boards adopt this "take no chances" approach, safe in the knowledge they have conformed to the Standard's call for "differentiation," and therefore can withstand any challenge – no matter how bizarre the new design might appear to the public.

The Grand Place in Brussels, Belgium, one of Europe's great outdoor rooms, is an example of harmony through continuity. The buildings are of different styles and different times, yet they comprise a well-loved and aesthetically pleasing ensemble because all are based on shared principles of traditional architecture.



RUPTURE & OPPOSITION: The New York City Landmarks Preservation Commission approved this highly differentiated new entrance pavilion (2000-2004 by James Stewart Polshek & Partners) to the 1895 Brooklyn Museum building by McKim, Mead & White. Although totally consistent with Standard #9, Semes shows how such stylistically antagonistic additions are a triumph of theory over aesthetic judgment.

Theory vs. Beauty

Author Semes traces the root of the "differentiation" problem to the preservation philosophy set forth in the 1964 Venice Charter, which became the foundation of post-war preservation theory and practice. Among other things, the charter declared that additions to historic monuments "must be distinct from the architectural composition and must bear a contemporary stamp," revealing a prejudice in favor of Modernist design. (The architects drawing up the charter were all trained as Modernists.) The Venice Charter incorporated a philosophy that views historic buildings as artifacts "of their own time" – a time that can never be recaptured. This theory turns historic

VIOLATION! The U.S. Capitol had its iconic dome and House and Senate wings added many decades after the initial building – all in the classical style of the original construction. Such stylistically compatible additions would likely be rejected today as violations of the Secretary's Standard #3 (false history) and Standard #9 (no differentiation).

buildings into inviolable museum objects, instead of part of a living building tradition that extends into our time. This theory is also in direct opposition to the building culture that had operated continuously for three millennia.

When the Secretary of the Interior's Standards for Rehabilitation were issued in 1977, they incorporated much of the philosophy found in the Venice Charter. The Modernist theory of historic buildings as exotic objects to be encased in amber was echoed in the Secretary's requirement for "differentiation" of additions. While the majority of the Standards have withstood the test of time, the "differentiation" clause has been the cause of some particularly bizarre architectural mischief.

As part of treating historic buildings as untouchable objects of another time, the Venice Charter also discouraged restoration or reconstruction of historic buildings. This obsession with "false history" found its way into the Secretary's Standard #3: "Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken." The Standards' admonitions on "differentiation" and "false history" are certainly at variance with centuries of building practice. Imagine what we'd have today if Thomas Ustick Walter had been told in 1855 that his new wings and dome for the U.S. Capitol should not create "false history" by using the same classical style that Thornton, Latrobe, and Bulfinch had used for the original building.

Semes demonstrates that since there is so much excellent new work being done today in traditional styles, it cannot be argued that Modernism is the only style that is "of our time." Nevertheless, advocates for Modernist design have vigorously promoted this view as part of the "differentiation" concept, and through repetition the notion has gained general acceptance. Semes' purpose with the book is to challenge this unquestioned acceptance.

Continuity vs. Rupture

The author illustrates how the principles of traditional design, operating across centuries, have created places loved by people through the ages – even though these public ensembles are composed of buildings of different styles. Continuity of an underlying building culture gives these historic spaces a sense of harmony and beauty – qualities that make them lovable. Modernist philosophy discarded the principles of this building culture – calling for "rupture" rather than "continuity" in architectural settings. To Semes, this is the triumph of "the head over the heart," whereby abstract theory overrules love of beauty. This preoccupation with abstraction poses a great threat to the character of historic places that preservationists claim to love.

Semes examines the four possible approaches to new construction in existing settings: (1) Literal replication; (2) Invention within a style; (3) Abstract reference to historical style; (4) Intentional opposition. The author does not insist that one is better than the other; rather he shows that each is a valid instrument in the toolbox of architects and preservation officials. Each must be used wisely – just like any other tool. The first three can enhance aesthetic and historic compatibility – and have been employed successfully for centuries, as Semes' photos illustrate.

The fourth option, intentional opposition, creates a rupture, both visually and philosophically, with millennia of building tradition. It's this fourth approach that has been greatly overused in our older cities, the author contends. Semes also notes ironically that officialdom's one major exception to "differentiation" is when there is to be additions or infill adjacent to older Modernist buildings: in these cases, only another Modernist building is acceptable. Obviously a double standard is at work.

The New Conservation Ethic

The book concludes by calling for a modern conservation ethic that combines head and heart. Semes' new conservation ethic emphasizes: (a) Environmentally sustainable construction; (b) Accommodation of the physical, social and spiritual needs of inhabitants; (c) The healing power of beauty. His goal is to replace preservation's current double standard with a more humanist ethic that applies a single set of values to all cultural resources regardless of style.

Under this new conservation ethic, for example, respect for traditional building styles is called for in new construction where traditional design defines the basic character of the setting. Daring experiments in building shapes and technologies have their place – but not in areas where radical design injures the essential nature of historic buildings and neighborhoods.

The new conservation ethic also dovetails with New Urbanism as rising energy cost directs attention to revitalization of run-down urban cores. The challenge will be to integrate new construction with historic resources to create aesthetically coherent streetscapes where people will want to live. Semes cites work that Duany Plater-Zyberk & Co. has done in downtown Providence, RI, as one potential model for the future.

Semes also notes that current policy is calling for preservation of icons of suburban sprawl in order to preserve "the architecture of the recent past." However, efforts to immortalize architectural forms that promote energy extravagance and social isolation would be contrary to a conservation ethic that aims to foster a sustainable civil society.

A Book for Many Audiences

Semes provides sufficient intellectual *gravitas* for his opus to be a valuable textbook when teaching historic preservation and urbanism. But the book's clarity and precision also make it a practical guide for urban planners, developers and designers tasked with creating additions or infill for historic areas. It also should be must reading for all preservationists and people serving on landmark commissions and design review boards.

In addition, one hopes this new treatise will be studied closely by everyone in the National Park Service who interprets and applies the Secretary of the Interior's Standards – especially those with the power to make the needed modifications to the Standards and Guidelines. And it would be wonderful if the book finds its way into the hands of Ken Salazar, the current Secretary of the Interior. Salazar might find it surprising to see the havoc being wrought in his name to historic places across the US. **TB**

Web Extra: Additional photos can be seen at www.traditional-building.com/extras/Feb10RevFuture.htm.

Clem Labine, editor emeritus of Traditional Building *magazine, is the founder of* Traditional Building, Period Homes *and* Old House Journal *magazines. He has received numerous awards, including awards from The Preservation League of New York State, The Arthur Ross Award from the Institute of Classical Architecture & Classical America (ICA&CA) and The Harley J. McKee Award from the Association for Preservation Technology (APT). Labine was a founding board member of the ICA&CA. He served on the board until 2005 when he moved to Board Emeritus status. His blog can be found at www.traditional-building.com.*

Architecture for People: A Primer for Post-Modern Americans

The Architecture of Community
by Leon Krier
Island Press, Washington, DC; 2009
472 pp; numerous b&w photos & drawings; $34.95
ISBN: 978-1-59726-578-2

Reviewed by Milton Grenfell

Leon Krier's *The Architecture of Community* is a primer on the fundamentals of the language of architecture and urbanism. In normal times, since time immemorial, one would know this language without being taught it. But in the Babel to which Modernism has today reduced these arts, we must be taught this forgotten language, and Krier's childlike drawings, distilled captions and hornbook-like aphorisms makes this the perfect textbook with which to begin reclaiming our lost literacy.

The book is a collection of essays, cartoons, drawings and photographs of proposed and built places and buildings from the author's lifetime of work, from Europe to America. It is a book of exceptional wit, wisdom and perceptiveness. The task this book lays before us is nothing less than a global ecological reconstruction. Accordingly, Krier addresses all the really pressing building issues of our times, from sustainability to the urban transect, from the nature of materials to the nature of man, from historic preservation to "architectural tuning," and so forth. This last term is a Krier invention that describes a process by which the kind of architecture that best suits the urbanism to make a beautiful city may be determined. To facilitate such aesthetic analysis, a number of potentially useful pictorial matrices are presented. This approach might well prove to be as helpful a design tool as Andrés Duany's urban transect, to which it bears a close resemblance.

But why did *The Architecture of Community* take the form of a children's book for adults? The reason, we discover in the book, lies in Mr. Krier's uncompromising rejection of the whole Modernist building process – from flawed aesthetic concepts to failing curtain wall construction. Thirty years ago, he famously declared, "I didn't build, because I am an architect," and "I can make true architecture because I do not build."

His way out of this impasse was to think, write and draw. And where better to begin than the beginning? So, he returned to first principles, and has made the rediscovery and explaining of these to a deaf, dumb and blind generation his life's work. The result is this book, which is perhaps the most important and oddest book about architecture ever written. It is important because it brilliantly reduces the vast and complex field of architecture and urbanism to its smallest, irreducible subatomic units. With these basic building blocks, cleansed of all dross and thus now comprehensible, we are enabled and beckoned to begin assembling an "authentic, traditional culture," to replace in toto the debased prevailing building culture.

This approach resulted in a book that is *about* architecture, but not *of* architecture. As an analogy, a human being reduced to atoms is no longer a recognizable person. Just so, Mr. Krier's buildings, reduced to the simplest of parts, seem more like built ideas than actual buildings. Should one attempt to construct a human out of atoms, without Intelligent Design and/or the infinite instructions from DNA at work through countless generations, a recognizable human could not be created. To create a human you start with a complete man and woman, and with a felicitous combination of genes and upbringing, you will produce a being like the parents, and perhaps even an improvement. The buildings that Krier has assembled from his subatomic units are of uncomfortably unpleasantly severe geometry, unsettling scales, blank unadorned surfaces, bizarre architectural devices and eerie mortuary allusions.

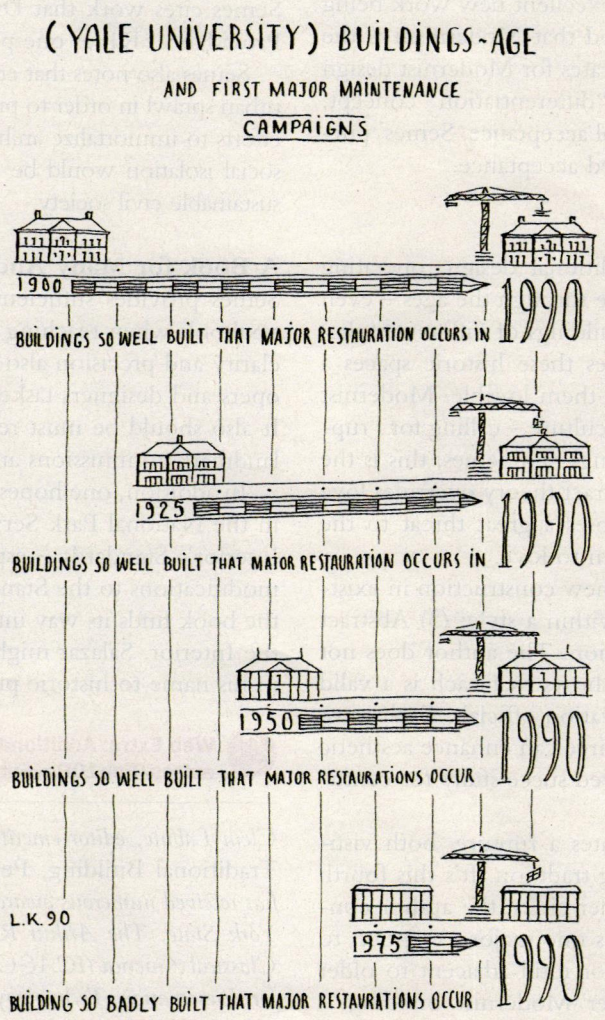
In short, comfortable buildings are best built from buildings, not diagrams. This book is invaluable, but not to provide models for actual buildings. The hazard of this book is that its ideas are so persuasive that it might be misused in this manner. Indeed, many a New Urbanist project boasts a building in the Krier manner, marked by what to my eyes is a characteristically awkward eccentricity.

Ironically, despite the book's condemnation of Modernism, to reduce traditions to some kind of essentials is arguably a Modernist project. The essay, "Why I Practice Classical Architecture and Traditional Building" perhaps points to the thinking behind this project. The author concludes: "I am not primarily interested in the history of traditional architectures and urbanisms but in their technology, in their modern practice," and, "The question of modernity can therefore no longer be one of period and style but one of persistent utility and quality."

I would counter that to reduce one's interest in traditional architecture and urbanism to the pragmatic concerns of technology and "their modern practice" is to fail to grasp their full art and humanity. Style, furthermore, defines the character of a building and marks its time period. How can architecture be fully human and ignore style and time, these twin inescapable realities of human life?

My admonition against the misuse of this book aside, it is imperative that we dig a bit at the roots of architecture, so that the rotted underpinnings of today's building culture might be cleared away, to release the new shoots of a vigorous renewal. For this reason, every serious architect and planner needs to spend time with this book, which James Howard Kunstler refers to in eloquent epilogue as "Mr. Krier's gift to the coming generations." With prophetic gravity, Kunstler concludes: "They are going to have to inhabit what remains of this planet … and Mr. Krier's heroic, often lonely labors have produced this indispensable beacon of principle and methodology to light their way home."

Those of us engaged with traditional architecture and urbanism know that the way back home is a long one. And on this journey, *The Architecture of Community* is the essential travel book. **TB**



The chart illustrates the durability of traditional buildings over Modernist ones.

Web Extra: Additional photos can be seen at www.traditional-building.com/extras/Feb10RevCommunity.htm.

Milton W. Grenfell is an architect practicing in Washington, DC. His firm, Grenfell Architecture, PLLC, practices traditional architecture and urbanism exclusively. His book, Comparative Architectural Details: A Selection From Pencil Points, 1934–1937, *will be released this spring. He was the 1997 recipient of Classical America's Arthur Ross Award. His work can be seen at www.grenfellarchitecture.com.*

BOOK REVIEW

Cities are our Future

Urban Design for an Urban Century: Placemaking for People
by Lance Jay Brown, FAIA, David Dixon, FAIA, and Oliver Gillham, AIA
John Wiley & Sons Inc., Hoboken, NJ; 2009
296 pp.; hardcover; b&w and 45 color photographs; $80
ISBN 978-0-47008-782-4

Torti-Gallas and Partners' Charlottesville Commercial Corridor Plan for Charlottesville, VA, won an AIA Honor Award in 2003. The plan promotes high-density, mixed-use infill in the city's downtown and 14 other old commercial districts in order to reinvigorate these areas.

Reviewed by Hadiya Strasberg

In 1956, Jose Luis Sert spoke at the first urban design conference held at Harvard University. "The urban designer must first of all believe in cities, their importance and their value to human progress and culture," he said. Sert was dean of Harvard's Graduate School of Design (GSD) at the time, and is considered by many as the founder of the urban design field. More than five decades later, three architects and planners – all graduates from the GSD – wrote a book on the subject.

Urban Design for an Urban Century opens with the evolution of urban design and its key concepts. It is followed by a brief history of city design and of the field. Current issues are touched upon and predictions of the future of the profession and design projects are offered. It is a comprehensive introduction to the field with an overview of recent projects.

The history of urban design, from early cities discovered by archaeologists to European cities in the Middle Ages and cities of the Renaissance era, is covered in a scant eight pages. The authors spend more time on the grid plans of New York City, Savannah, GA, and Philadelphia, PA, which were established in 1607, 1683, and 1733, respectively. The Industrial Revolution is the next great step in the history of the city; it introduced changes in the scale and types of buildings and in the density of urban areas. Suburbs and zoning, the following topics covered, also play large roles in the development of the modern city, though they are not discussed at great length.

"Decentralization: The Growth of the Modern City" has its own chapter. Le Corbusier and Tony Garnier, with the influence of CIAM (Congres International d'Architecture Moderne), promoted destroying the grid system; separating pedestrians, residences, vehicles and commerce; designing around automobiles and highways; and placing tall buildings in open spaces, like Corbusier's Plan Voisin in Paris. This led to the urban renewal movement and the razing of historic city blocks and entire neighborhoods in cities across the U.S. and Europe.

"Recentralization" made a comeback in the 1950s and '60s, but by name only. Central Business Districts and slums were destroyed, highways were constructed along waterfronts in cities such as New York and Boston, MA; and monumental modern architecture took the place of pedestrian-friendly, human-scaled mixed-use neighborhoods. Areas were not only turned into single-use districts, but the block was turned into a superblock.

Easthampton was one of seven Massachusetts cities to receive urban design assistance from Goody Clancy. The firm devised a plan to revitalize the downtown riverfronts, for which it received an AIA Honor Award for Regional and Urban Design in 2004.

There was reform as early as the 1960s, and this is what the authors promote. Developments should be dense, mixed-use, mixed-income and alternate-transportation- and pedestrian-oriented. Factors such as social equity, community and sustainability must be addressed. Make places for people, urge the authors.

To support their case, the second half of the book is a collection of urban design case studies, specifically AIA Honor Award in Regional and Urban Design-winning projects that were completed between 1999 and 2009. These 70 projects, write the authors, were chosen for their wide-ranging sitings, lack of particular agenda, and time frame. This was a good choice; the studies are timely, relevant to the current trends in the field, and inclusive of various design philosophies.

Separated into six themes, the case studies are presented in chapters arranged around specific themes, rather than chronologically. This serves as a good organizer and helps to highlight the authors' points about urban design principles. Each chapter begins with the history of the theme and concludes with a review of the how the projects illustrate the principles.

Chapters include: "Guiding Regional Change and Growth," "Rediscovering Downtown and Main Street," "Reinventing Older Neighborhoods," "Reclaiming the Waterfront," "Creating the Public Realm," and "Transforming Campus into Community." The projects hail from the largest cities in the U.S., including Boston, Chicago, IL, and New York, as well as smaller towns such as Racine, WI, Warren, AR, and Ramsey, MN. A few – including The Arc in Palestine by Suisman Urban Design and Saigon South Master Plan in Vietnam by Skidmore, Owings & Merrill – are located outside of the U.S. (In all cases, the designer is American or of a U.S. firm.)

Each project is summarized in just one to two pages, which does not do them justice. To give coverage to 70 projects in 160 pages is a feat, but is it better to get a sense of the discipline in the last 10 years or would more in-depth reviews of the past four or five years suffice?

The basics are covered; project boxes provide the project name, location, designer, client, program, year of award and status. A paragraph or two on critical issues and key urban design concepts, on the other hand, can only get into so much depth. Problems such as poor transportation, sprawl, or poverty are identified in one breath and maybe five bullet points that address these conditions are listed in the next. The reader will have to research the project or design firm on his or her own. At least we are provided with enough information to do so.

Each case study is accompanied by black and white images – either photographs if the project is completed, or maps and renderings. Some projects have color plates, but these are in separate sections removed from the text. Color inserts are referenced in the text. However, that is not the case the other way around. It would have been useful to print the page numbers of the listing in the color photo caption, as it is enjoyable to skim the 45 color images.

The brevity of the case studies can be an attribute. That, combined with their organization around issues and concepts makes it very easy to understand the main points. In general, *Urban Design for an Urban Century* is an easy read about a timely, engaging topic. **TB**

Web Extra: Additional photos can be seen at www.traditional-building.com/extras/Feb10RevUrban.htm.

The Never-Ending Story

Unbuilding Cities: Obduracy in Urban Sociotechnical Change
by Anique Hommels
The MIT Press, Cambridge, MA; 2005
290 pp; 27 b&w illustrations; hardcover $35; softcover $19
ISBN 0-262-08340-X

The Human City: King's Cross Central
by Roger Madelin and Demetri Porphyrios
Yale School of Architecture, New Haven, CT; 2008
192 pp; 250 color and b&w illustrations; softcover $30
ISBN 978-0-393-73247-4

Reviewed by Nicole V. Gagné

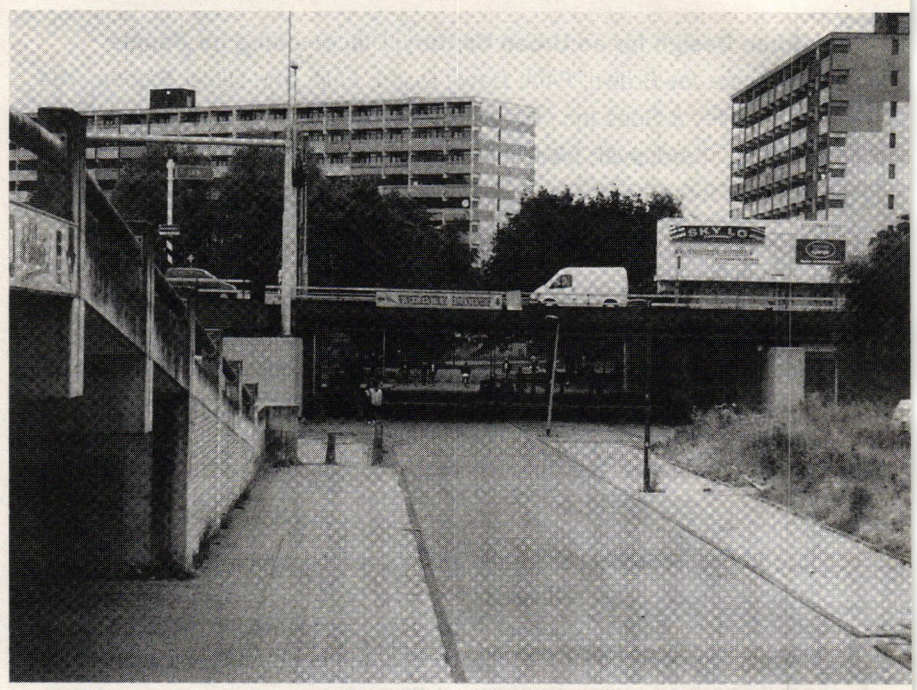
Two recent books examine the many hurdles – technical, conceptual and sociological – that seem always to impede attempts at positive urban planning, redesign and renewal. Don't judge these books by their covers, however, because each one is somewhat belied by its design and packaging. Yet they both offer thoughtful and constructive reflections on this ever more pressing concern.

You pretty much know what you're in for with *Unbuilding Cities* as soon as you glance at its subtitle, "Obduracy in Urban Sociotechnical Change." Author Anique Hommels is assistant professor in the Department of Technology and Society Studies of the Faculty of Arts and Culture at the University of Maastricht, Netherlands, and her book makes few concessions for the casual reader. But she has all her information at hand, and the issue that she dissects is an urgent one. Her book serves as a response to the tar pits of debate and delay in the Netherlands, which have inhibited city-planning initiatives and attempts to redesign buildings. Hommels examines what she calls "the clash between new ideas about urban development and the opinions and policies embedded in the urban structures that are already in place." A better understanding of the inevitable problems is essential for the successful renewal of urban design – where, as she points out, "the stakes often are so high that years of planning, debate, and controversy may result in no changes at all in some cases."

As her academic credentials would suggest, Hommels works within her perspective of science and technology studies, and uses its tools for analyzing technological artifacts. Cities are seen as large sociotechnical artifacts with structures that become anchored and obdurate, not only in their own histories but in the histories of their surroundings too. Her book details three instances of the "unbuilding" – the redesign or reconfiguration – of urban sites and structures, each of which pinpoints a different type of obduracy.

Hoog Catharijne, a large-scale redesign of Utrecht's city center in the 1960s, was regarded as ugly and outdated by the 1980s; yet plans to demolish and rebuild a section of it weren't approved until 1997 and have yet to be implemented. The problem is what Hommels calls "Dominant Frames": how fixed ways of thinking and interacting can constrain planners, architects, engineers, citizens, etc. – all of whom need to think outside their boxes if they're to create positive changes.

The city of Maastricht decided in 1998 to postpone until after 2012 all the planning activities for the reconstruction of a highway system that runs through a heavily populated area. This type of obduracy is "Embeddedness," when technology becomes embedded within networks of sociotechnical systems. Amsterdam's Bijlmermeer suburban district was built according to functionalist design in the 1960s and '70s, with high-rise housing projects for middle-class families. Instead it became a home for crime and unemployment. By the 1990s those apartment buildings were being torn down, despite some local resistance – Hommels' "Persistent Traditions," when past choices and decisions continue to exert influence upon the development of technology.



The traffic system was important as a structuring element of Amsterdam's Bijlmermeer suburban district. Built in the 1960s and '70s, it included spacious areas inaccessible to cars. By the same token, pedestrians were not allowed on the semi-elevated roads that gave cars access to large multi-story parking. Instead, the planners created an autonomous system of ground-level walking routes that were also open to bicycles (note the sign at the far right).

The only regrettable thing about *Unbuilding Cities* is the academic drabness of the book itself, with its handful of muddy black-and-white photos and drawings. Ironically, that failing has its counterpart in the overdesigned *The Human City: King's Cross Central*, a wearying exercise in postmodern glitz. The colorful photos and art, tinted pictures, colored type, and other bells and whistles eventually prove more distracting than illuminating, which is unfortunate because the book's authors represent a special convergence of talent.

Roger Madelin of Argent Group PLC is a developer of King's Cross Central, the largest development site in central London, and as part of a series of developer/architect collaborations at the Yale School of Architecture, Madelin joined with the site's co-master planner, Demetri Porphyrios, a leading architect with Porphyrios Associates in London. Assisted by critic George Knight of the Yale faculty, they conducted an advanced studio in the spring semester of 2007 with eight students from the Yale School of Architecture. The design of King's Cross was studied with an eye toward creating new buildings of mixed use for its master plan. The integration of new and old, designing structures within the area's pre-existing infrastructure and architecture, was the special challenge – all within the context of providing human spaces for the people who live and work there.

The book's first section, entitled "The Value of Design: Character, Planning, and Development," features separate interviews with Madelin and Porphyrios, in which they discuss their visions for King's Cross and their efforts with it. The second section, "King's Cross Central and London," examines the history and current condition of the site, and its role within the city of London. Included in the third section, "King's Cross Central Studio," is the studio brief written by Porphyrios, the Argent Group's "Design Framework and Guidelines" for the development, and student planning analyses.

Although the scope of *The Human City* is more limited than that of *Unbuilding Cities*, it is every bit as urgent and deeply considered. Both books offer detailed histories of urban-renewal efforts as well as practical solutions to dealing with the seemingly never-ending problems of contemporary urban planning and renewal. Anyone involved in these fields will appreciate the work that these authors have done. **TB**

2009 Student Drawing Awards

The 2009 Charles E. Peterson prize winners have been announced and the first place was awarded to students from the Historic Preservation Department at the School of the Art Institute of Chicago. Presented by the Historic American Buildings Survey (HABS) of the National Park Service, the Athenaeum of Philadelphia and the American Institute of Architects (AIA), the annual competition, now in its 27th year, was created to heighten the awareness and appreciation of America's historic buildings as well as to supplement the HABS collection of measured drawings at the Library of Congress. To date, the competition has contributed over 5,300 sheets of drawings.

The competition honors Charles E. Peterson, a National Park Service landscape architect who initiated HABS – America's first federal preservation program with the goal of documenting the nation's architectural heritage – in 1933. Building selection varies from architect-designed structures to utilitarian and vernacular buildings that define a specific region or tradition. The copyright-free collection is made available for public use in both hard copies and electronic formats.

In addition to the recognition of the best sets of drawings prepared according to HABS standards, the winning teams are also awarded a prize totaling $9,000. Over 2,000 students have participated in the competition. The projects are judged based upon a rating system focusing on criteria such as the site or structure's complexity, the documentation's content, dimension and annotations, as well as the presentation of the drawing – drafting quality, sheet composition and graphic consistency.

The jury consists of three members, one representing each organization. This year, the jurors were Mark Schara, AIA, HABS architect, representing the National Park Service; Hyman Myers, FAIA, former chief restoration architect for Vitetta, representing the Athenaeum of Philadelphia; and Jonathan Spodek, AIA, associate professor of architecture at Ball State University and chair of the AIA HABS Coordinating Committee, representing the AIA.

The winning team working with Charles Pipal, AIA, includes Carol Adams, Ginny Way, Mitch Brown, Frank Butterfield, Ceylan Celebiler, Tianyi Jiang, Pam Pietrowshy, Susannah Ribstein, Kathleen Shanley, Noel Weidner and Christine Whims. Pipal also instructed three teams that won third place and two honorable mentions in the 2008 competition.

The $3,000 prize was awarded for measured drawings of the On Leong Merchants Association, located in the heart of Chinatown in Chicago, IL. During the early 1900s, Chicago's Chinese population relied heavily on the support of their local community organizations. The On Leong Merchants Association established itself as the community's center of cultural activity, offering classes and services for new immigrants, as well as an informal judicial system to resolve disputes between members. In 1926, the association commissioned architects Christian S. Michaelsen and Sigurd A. Rognstad to design a new center that would have a traditional Chinese exterior and an interior that could accommodate modern functions.

The completed building features a façade clad in brightly-colored terra cotta along with traditional Chinese symbols chosen to represent six Confusion virtues. The interior design, however, is distinctly American, drawing inspiration from union halls built during the early-20th century in Chicago.

The $2,500 second prize went to students from Kent State University for their drawings of the Manatac Reservation in Summit, OH. Built in 1931, a dining hall within the reservation, the largest known wormy chestnut structure became an ideal model for future construction within rustic parks. Professor Elizabeth Corbin Murphy, FAIA, instructed her team of students, which comprised Nathan Bonde, Shannon Brown, Catherine Ceralo, Kevin Custer, John Fritsch, Allison Green, Chris Johnson, Lisa Lazar, James Payne, Rachel Pensinger, Rebecca Sidwell, Jason Smith, Katie Starkey, Sara Vandenbark, Carl Veith and Ashly Willis.

The $2,000 third prize was awarded to students working with Matthew Jarosz, AIA, at the Universtiy of Wisconsin-Milwaukee for their project on Boynton Chapel in Baileys Harbor, WI. The students were Alex Chou, Nick Gates, Max Hanisch, Scott Klopfer, Nick Leigeb, Jamie Lese, Brian Majerus, Jessica Mulholland, Andrew Olsen, Tas Oszkay, Eric Sahnow, Steven Shaughnessy, Emily Verch and Nathan Zywicki.

There was a tie for fourth place between the drawings of the Magnolia Cemetery in Charleston, SC, by students from the College of Charleston/Clemson University and drawings of the Spanish Governor's Palace in San Antonio, TX, by students at the University of Texas at San Antonio.

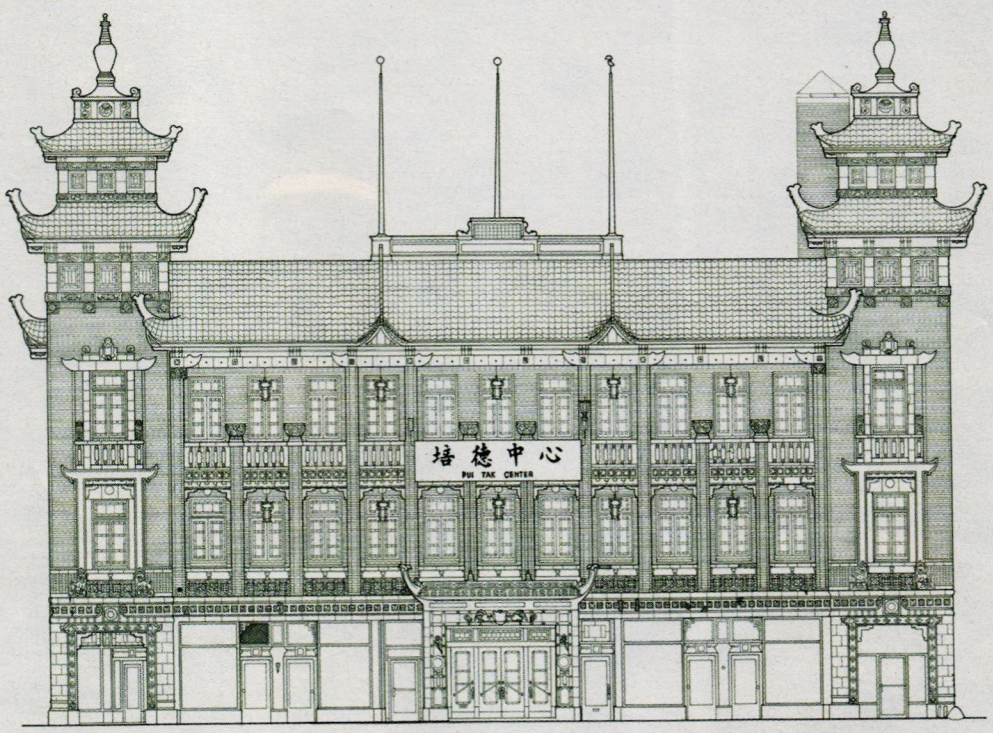
The former project was led by Ashley Robbins, AIA, and her student team included Meagan Baco, Jeremy Bradham, Laura Burghardt, Genevieve Burr, Jaime Destefano, Natalie Ford, Jessica Golebiowski, Jason Grismore, Manana Isa, Kimberly Jones, Hillary King, Sarah Kollar, Emily Martin, Helen Moore, Bridget O'Brien, Xana Peltola, Matthew Pelz, Julius Richardson, Jeanwha Song and James Zwolak.

The San Antonio team was led by Sue Ann Pemberton, AIA, and was made up of Aida Barkley, Arlene Dominguez, Hadley Dulnig, Christopher Gonzalez, Daniel Lazarine, Lan Li, Keishi Matsunaga, Brandon Melland, Burt Moyer, Holly Nicholson, Christopher Ortiz, Miguel Rodriguez, Jason Sandoval, Adriana Swindle, Kristin Vines, Jacqueline Warner, Josh Yang and Jessica Zunker.

Honorable mention awards were also given to the students at the University of Louisiana at Lafayette for drawings of the Academy of the Sacred Heart – Chapel in Grand Coteau, LA, and to students at the University of Cincinnati for drawings of the Boulter House in Cincinnati, OH.

Working with Robert McKinney, AIA, the Louisiana team was comprised of Monica Angelette, Hans Breaux, Donald Bergeron, Joseph Carlson, Timmie Dumatrait, Steven Gremillion, Mary Karnath, Ricardo Lasala, Ashley Leblanc, Dustin Rousseau, Andrew Robicheaux, Aaron Schaubhut and Jonathon Williams.

Elizabeth Riorden instructed the Cincinnati team of Gregory Algie, John Arend, Terry Banker, Brian Barker, Catherine Barnes, Michael Benkert, Charlotte Bornhorst, Erin Connelly, Mathieu Crabouillet, Eileen Grippo, Rory Krupp, Kristin Langenberg, Pauline Marie D'Avigneau, Renee Martin, William Marzella, Brayden McLaughlin, Kerri Melis, Andras Nagy, Samantha Payne, Andrew Stafford, Christopher Tomlan, Terri Wilson and Matthew Zyjewski. TB

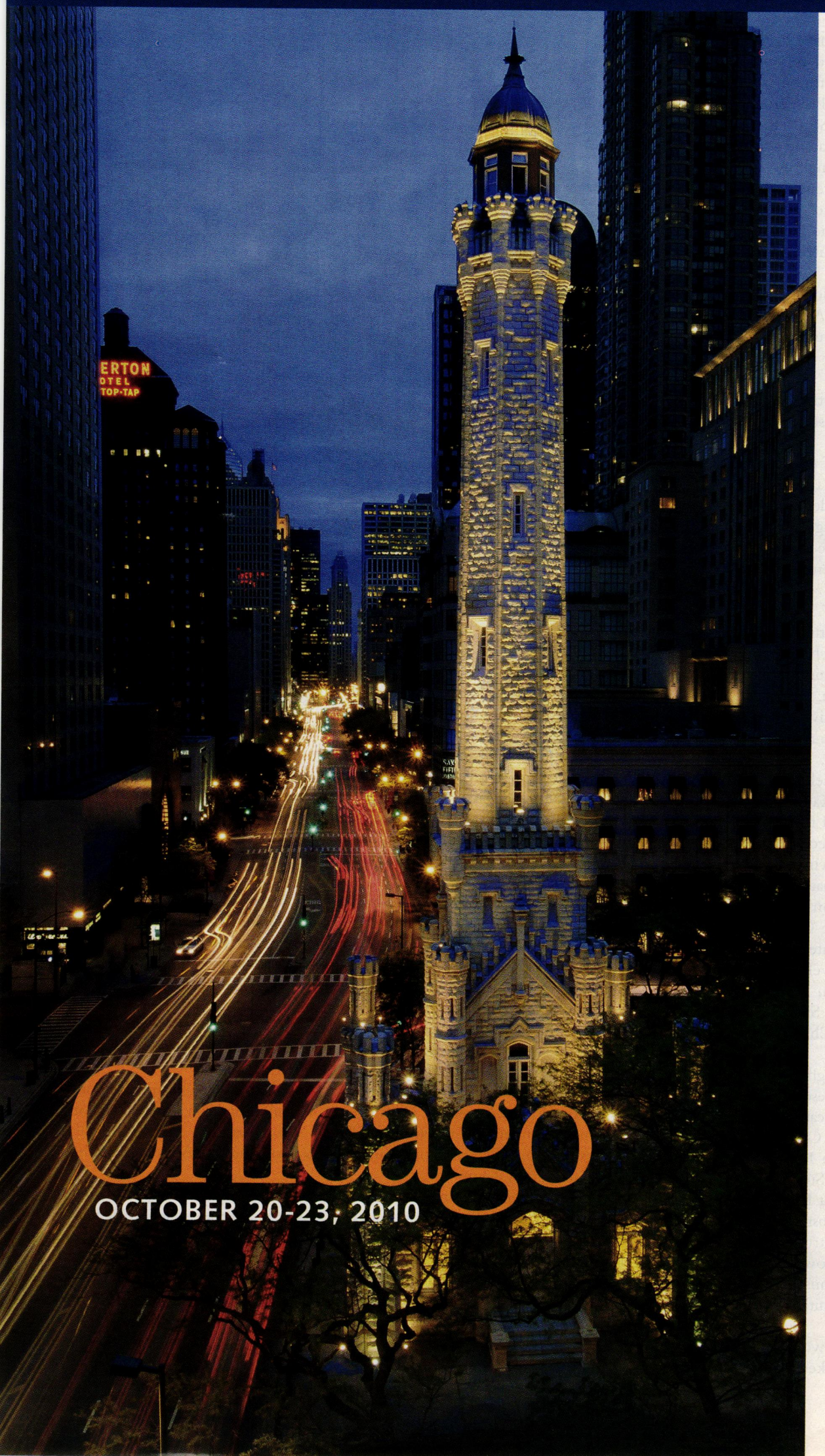


EAST ELEVATION

Built in the late 1920s, the On Leong Association was the center of cultural activity in the heart of Chicago's Chinatown. Measured drawings by students from the Historic Preservation Department at the School of the Art Institute of Chicago, working under the guidance of Charles Pipal, AIA, were awarded first place.

Web Extra: Additional photos can be seen at www.traditional-building.com/extras/Feb10Peterson.htm.

TRADITIONAL BUILDING
EXHIBITION AND CONFERENCE



Chicago, Illinois
Oct. 20-23, 2010
Chicago Navy Pier

Smart Solutions for a Challenging Market

Earn Continuing Education Units at the largest, most comprehensive learning and networking event for professionals in historic restoration, rehabilitation and traditional building. Join five thousand architects, building owners, facilities managers, contractors, trades people, planners, developers, interior designers, landscape architects and suppliers for seminars, keynotes, workshops, architectural tours, craftsman demonstrations and unique product exhibitions. Learn about sustainable preservation and design, traditional building skills, restoration and rehabilitation, materials conservation, code compliance, historic tax credits, facilities life cycle maintenance, period interiors, urban planning, historically accurate building products and more.

To register visit:
www.traditionalbuildingshow.com
or call Carolyn Walsh 781.779.1560

Exhibitor inquiries:
adelargy@restoremedia.com
or call Anita Delargy 866.566.7840

Speaker inquiries:
jhayward@restoremedia.com
or call Judy Hayward 802.674.6752

RESTORE MEDIA LLC
Producer of the Traditional Building Exhibition and Conference. Publisher of *Clem Labine's Traditional Building* and *Period Homes magazines.* Producer of www.tradwebdirectory.com

1054 31st Street, NW, Suite 430
Washington, DC 20007

45 Main Street, Suite 705
Brooklyn, NY 11201

Photo: © City of Chicago

PTN NEWSLETTER

PRESERVATION TRADES NETWORK
PO BOX 249 AMHERST, NEW HAMPSHIRE 03031-0249
PHONE: 866-853-9335 FAX: 866-853-9336
E-MAIL: info@PTN.org WEBSITE: www.PTN.org *or* www.IPTW.org

"Save the Dates" in 2010 for PTN Programs

By Rudy R. Christian, PTN Executive Director

After a very full year of PTN activities in 2009, which included the annual IPTW, semi-annual ITES, our first Preservation Rendezvous, preservation workshops and a summer field school, we're already starting to stack up traditional trades activities for 2010. You might want to take a few minutes and mark your calendars now to avoid any disappointing conflicts!

PTN's annual conference, the International Preservation Trades Workshop (IPTW 2010), will be held in the beautiful historic city of Frankfort, Kentucky. Frankfort is the state capitol and was the site of last years Preservation Rendezvous, which was a partnership venture undertaken by the Preservation Trades Network, Timber Framers Guild, Slate Roof Contractors Association and the Dry Stone Conservancy.

This year we return for the IPTW October 21-23. The conference demonstrations will take place in the Frankfort Convention Center, which is a short walk across the arcade from the Capitol Plaza–the conference hotel, where you can enjoy the keynote and other classroom demonstrations and where we will have our annual awards dinner and benefit auction. Make sure to bring something special to donate. Handmade items are always appreciated. There will also be workshops including cemetery restoration, log building restoration and others, which offer hands-on education in best practices and traditional trades. Make sure to check the PTN website (www.PTN.org) regularly for announcements so you don't miss out on the limited registration. Please consider filling out an application to be a demonstrator or presenter too! AIA-CEU credits are available to conference attendees.

A very exciting PTN activity is coming up June 7-11 at the magnificent and historic Shelburne Farms, where PTN will be partnering with the Timber Framers Guild to hold a hands-on workshop at the truly amazing Breeding Barn. The Victorian styled barn was built from 1889 to 1891 and at the time was said to be the largest open-span timber structure in America. The architect was Robert Henderson Robertson. The structure has a footprint of 107x418 ft. and presents an incredible opportunity to learn how in situ repairs are done to its timber-framed structure. The Getty grant funded restoration work has been taking pace during 2009/2010 and will be nearing completion when the workshop takes place.

Members of the Slate Roof Contractors Association apply hand-shapped "fish scale" slates to the timber-frame shelter constructed during the 2009 Preservation Rendezvous in Frankfort, Kentucky.

In addition to the timber frame instruction being lead by internationally renowned timber framer Jan Lewandoski, there will be a one-day session of interest to preservation professionals that will include demonstrations and presentations by David C. Fischetti, P.E. and Ron Anthony, wood scientist. David will discuss stabilization of free-span timber structures and Ron will demonstrate non-destructive testing of wooden framing members using methods including resistance drilling, digital radioscopy and remote visual inspection. The workshop will be overseen by Douglas Porter, graduate of the School of Engineering, University of Vermont, who has been supervising the investigation and stabilization of the Breeding Barn at Shelburne Farms since 2005. AIA-CEU credits will be available to participants in the program.

Of interest to students of historic preservation will be PTN's summer field school to be held July 6-30 in New Orleans. Since 2006 PTN has been partnering with colleges and universities to offer hands-on educational opportunities for students to learn traditional trades under the guidance of some of America's great masters. This year's program will take place in Lafayette Cemetery #1 and will include the culmination of a five-year restoration of the historic Taylor Tomb, badly damaged by Katrina. Working in New Orleans' "Cities of the Dead" creates a unique opportunity to work on traditionally built masonry structures that are miniature high-style replicas of many forms of classic architecture.

The PTN summer field school program is designed to allow students to experience real world conditions in the field in conjunction with classroom instruction (in air conditioned spaces!) from professors in highly regarded programs such the University of Florida and the Tulane School of Architecture in order to receive both valuable experience and college credits or AIA-CEU credits.

As you can see, PTN already has some very exciting programs on its calendar for 2010 but we are always looking for more varied ways to enable the voice of the trades to be a valuable part of both the important work of saving America's architectural heritage and of saving the traditional trades that built it.

If you have suggestions as to conference venues, education programs, field studies, historic tours or other ideas please feel free to drop a note to PTN's Executive Director Rudy R. Christian at rchristian@PTN.org or give him a call at 330-465-1504 and don't forget to check the PTN website for details of programs currently in the works or yet to be announced. Do good work and pass your knowledge on to the next generation.

Plans are already in the works for 2010's traditional trades education programming, and we're always interested in new opportunities. If you have an idea for an event, workshop, rendezvous site or field school location, please contact PTN executive director Rudy R. Christian at rchristian@PTN.org or on 330-465-1504. We hope to see you at a future PTN event! ◆

The Preservation Trades Network (PTN) is a non-profit 501(c)3 membership organization incorporated as an education, net-working and outreach organization. PTN is a registered provider of AIA/CES CEUs. To see Rudy's blog, go to www.traditional-building.com.

The Wake-Up Call of Climate Change

"When a man knows he is to be hanged in a fortnight, it concentrates his mind wonderfully." – Samuel Johnson

By Michael Mehaffy

Some people think it's dangerous to hitch the cause of traditional architecture too closely to any one issue like climate change. I tend to agree – up to a point. For one thing, even if by magic we were able to end the threat of climate change tomorrow, we would still have to confront many other urgent environmental issues: pollution, resource depletion, habitat destruction, invasive species and more.

In turn these issues are connected to equally serious questions about the resilience and the sustainability of our civilization, and the degree to which our institutions are able to deliver genuine well-being. Currently we seem only good at a purely quantitative - and profligate - kind of prosperity. The "uglification" of the built environment is an under-appreciated manifestation of this deeper problem, and therefore it's an especially well-suited challenge for practitioners of traditional architecture. Research shows it is a surprisingly important constraint to human environments in which we can be well.

And yet it is increasingly clear that climate change by itself is going to be serious business. The science is now persuasive (for those who examine it dispassionately) that the phenomenon constitutes a grave threat to the well-being of our descendants, and even to ourselves and our fellows, in the years ahead. One sign of this fact is that many of the most visible leaders on the climate change issue are increasingly those whose profession is risk management, like insurance companies and re-insurers. They no longer have to ask for whom the bell tolls.

Fortunately, there is a set of tools and processes available: what we know as human traditions.

The knowns are bad enough. But the unknowns – often pointed to by skeptics – cut at least as much in the direction of more devastation as less. There are very real and worrisome possibilities of feedback cycles and tipping points; for example, runaway release of methane, or melt of ice cover. Such "autocatalytic" processes could plausibly tip the entire planetary climate system into a new age, one that is, from a human point of view, profoundly disagreeable.

Climate change, in that sense, is the ultimate systems phenomenon: not a linear set of factors working in a simple mechanical way, but many factors working together to produce the emergent characteristics of complexity. And as a human challenge, it will therefore demand the ultimate systems approach from us: the ability to balance and optimize, working with all of the interdisciplinary challenges of ecology, economy and human culture.

But paradoxically, therein lies an opportunity. Climate change can serve as a kind of "lens" through which to see, and act on, these other long-neglected issues in a more joined-up way. Like Dr. Johnson's prisoner, we might find our minds "concentrated wonderfully" – galvanized to make major changes in the way we think and act on these broader challenges. But we are only beginning to figure out what this means.

For example, clearly we must transition to cleaner and more renewable sources of energy. But we have to get at the root systems of use and demand, if we are not to erase every technologically produced reduction with an unintended increase in demand. This means that we have to consider the way people live their lives, in our cities, towns and neighborhoods.

Crucially, if we want people to live in low-carbon environments, it is clear that they themselves must want to live there. That means such environments must be beautiful, vibrant, functional and resilient on a human level. They must have walkable, diverse, public realms, embodying all the efficient complexity they develop over time. It will not be enough to design them to a set of narrow technical or artistic criteria; they must be carefully optimized to the patterns of human life and well-being.

We must come to see our built environment as a kind of physical "operating system" that shapes our daily activities and our patterns of resource use. If we want to bring our use of resources into balance with their availability, we have to optimize this system to be able to produce and maintain that balance. But how can we optimize such a system? What kinds of tools, techniques, and habits of thought will be required?

Fortunately, there is a set of tools and processes available: what we know as human traditions. We now see that in crucial respects, these are not more primitive than modern industrial methods, but actually more sophisticated. They have their counterparts in the adaptive and self-organizing processes of the natural world, such as those at work in sustainable ecosystems. We notice that these systems, with their remarkable ability to maintain a dynamic equilibrium, can endure for thousands or even millions of years.

Similarly, traditional processes within human affairs are capable of sustaining (and have sustained, in history) for many centuries or even millennia. We are slowly beginning to realize that this is not a coincidence. There is a similar process of adaptive evolution going on – a process of retention and refinement of elegant patterns that continue to prove useful over long periods.

It is for just such a crucial adaptive process that the methods of traditional building, and the benefits they confer, are much more suited than it may first appear. We can summarize these benefits in three categories: the hardware (the buildings and places themselves), the software (the patterns of information they contain), and the evolutionary process (the ability to produce new structures and new patterns of information, including new ideas and expressions).

In that light, let's forcefully engage the issue of climate change, and use it as a lens to focus the wider challenges that are connected to it. As traditional practitioners we can persuade others (and remind ourselves) that what we do has great capacity to respond to the imperative for lower-carbon, more sustainable settlements – with everything that entails. We can thereby displace the erroneous perception that traditional design is merely a reactionary style. For in the end, it offers nothing other than the simple but fundamental capacity to learn from our mistakes. **TB**

Michael Mehaffy is executive director of the Sustasis Foundation in Portland, OR., and chair of the USA chapter of INTBAU, the International Network of Traditional Building, Architecture and Urbanism (www.intbau.org). He was recently invited to present and exchange research at the seminal IARU Scientific Congress on Climate Change in Copenhagen.