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*Traditional Building* magazine is re-launching its website with an updated look as well as greatly expanded content. Editorial features,

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*Traditional Building*'s sixth annual Guidebook is a comprehensive, up-to-date list of suppliers of traditional products and services. The Product & Service Index features more than 430 companies indexed in 20 sections and more than 750 categories. For complete company information, consult the Sourcelist, an alphabetical directory of all of the companies in the index. The third section, containing Portfolios, features photos of the companies' products.

product information and images previously available only in the magazine will be features of the renovated site. New web-only features, such as a discussion forum and a complete site archive, will also be added. See page 195 for more details.

**On the cover:** The Whitman College complex at Princeton University refers to Ralph Adams Cram's work on the campus. See page 20. *Photo: Denise Applewhite, Princeton University* 

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# European



Krier Kohl Architects brings order and meaning to cities torn apart by World War II and its lingering aftermath. **By Kim A. O'Connell** 

fter the bombs of World War II had done their devastating duty, the German city of Potsdam was in ruins, with many of its glorious Prussian-era buildings severely damaged. Cut off by the infamous Berlin Wall, Potsdam suffered further in the post-war era when the remains of its historic city center were largely demolished rather than rebuilt. With the passage of time, however, the city has embraced its history and endeavored to restore its grandest old buildings, including the 18th-century Potsdam Castle Sanssouci. This work extends to a growing appreciation of traditional urban planning, as illustrated by the new village of Kirchsteigfeld.

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Since its completion in 1996, the village has transformed a once-derelict field southeast of Potsdam. It remains one of the largest housing construction projects undertaken in the former East Germany since the country's reunification. With three main sections grouped around a central market square, complete with a church, schools, shops and offices, Kirchsteigfeld represents the full realization of the New Urbanist ideal – a mix of uses, a thriving community and a distinct sense of place. Its vibrancy and variety are the handiwork of some 25 different architects, but the cohesiveness and logic of its master plan are due to one firm – Krier Kohl Architects.

Led by Rob Krier and Christoph Kohl, this Berlin-based office has designed a wide range of buildings and developed dozens of major urban-planning projects over the past 15 years. Both principals are committed to work that repairs the fabric of urban life, which they believe has been seriously undermined in the decades since World War II. "Modern cities are mainly constructed in freestanding buildings," says Krier. "The traditional type of urban villages disappeared in modern spaces after the last world war. You could see this dramatic loss of urban space in both new areas and the historical centers. Throughout my career, I have tried to rediscover the quality of traditional cities."

#### **A Family Business**

Rob Krier (left) and Christoph Kohl are collaborators and visionaries, but they are also family – Kohl is married to Krier's daughter. The familial bond, Kohl says, strengthens the work. Photo: Kramer + Giogoli Photodesign

Top: Located southeast of the city of Potsdam, Kirchsteigfeld is one of the largest construction projects undertaken in the former East Germany since the country's reunification. Following a master plan by Krier Kohl Architects, some 25 different firms contributed designs to the development. Photo: H. G. Esch Most architects have some crystallizing moment, some compelling memory that sets them on the inevitable course toward the design profession. The seeds of Rob Krier's long and fruitful career, for example, were planted in several places – his father's tailor workshop, the old cities of France and Italy where the family vacationed, and the medieval mansion where his great-grandfather lived, with its thick gothic walls and vaulted salons.

"When I was around 12 years old," Krier recalls, "I began to copy plans showing the building alterations of this house which my father saved in his wardrobe. These blueprints were for me such an amazing attraction that I tried to copy the technique by drawing, with a red or blue pencil, houses for myself. These were the original motivations that plunged me into the profession."

Born in Luxembourg, Krier studied architecture at the Technical University of Munich in the early 1960s, where he received a surprisingly traditional education. "I was a little bit shocked because I wanted to be a Modern architect like Le Corbusier and the other Modern pioneers," he says. "But one of my teachers was writing a book on how to construct brick walls, and in the early 1960s this was unbelievable and not fashionable. It was a craftsman's education."

Krier was converted. After the university, he spent the first decade of his professional career in the offices of architects O.M. Ungers and Frei Otto. He became part of an influential group of neo-traditional architects that included Massimo Scolari, Aldo Rossi, Mario Botta, and Rob's renowned brother,



Above: Kirchsteigfeld was a massive undertaking that took the firm five years to coordinate and complete. Rather than replicate the skyscrapers of modern cities, the principals ensured that buildings in the village are no higher than five stories. Photo: H. G. Esch

Right: For architecture to be recognized as such in Germany, Christoph Kohl says it usually has to be "strong, brutal and radical." As a result, the buildings of Kirchsteigfeld exhibit an undeniably Post-Modern aesthetic, interpreting tradition in a spare, bold way. Photo: H. G. Esch

Léon Krier. He published several important articles and books on urban spaces and architectural composition. He also began teaching architecture at the University of Stuttgart and from 1976 to 1998 was professor at the Technical University of Vienna, with guest professorships and lecturing tours at universities in the United States and abroad.

Despite this success, Krier and his colleagues have repeatedly fought the enduring stigma of the Nazi regime, which had appropriated Germany's traditional buildings to lend credence to their cause. To some German intellectuals, New Urbanism results in gated, gentrified communities, which extends, in their minds, to un-democratic ideals. Krier says that he and his brother were even called fas-

cists early in their careers. Design work could sometimes be difficult to come by, and Krier entered many competitions



called the Rauchstrasse, includes nine urban villas designed by several architects, including Aldo Rossi and Hans Hollein, and was completed in 1985.

While Krier was making a name for himself, Italian-born Christoph Kohl was studying architecture at the universities of Innsbruck and Vienna, where he embraced the work of Rob Krier, Aldo Rossi, James Stirling and other Post-Modernists or traditionalists. During this time, his life took an auspicious turn when he met his future wife - who happened to be Krier's daughter. "He was at that time a very famous personality and he was one of the outstanding protagonists of the so-called Post-Modernism, which in the '80s in Europe was very popular," says Kohl."In that period he was very famous, not because of the quantity of buildings



that he did, but because of his message. To me as an architecture student it was exciting."

Later, the patriarch and the sonin-law decided to start a practice together, initiating an informal partnership in Vienna in 1989 that became the Berlin-based office in 1993."Both my mother-in-law and my wife tried to convince me that it might be a bad idea to collaborate with Krier," says Kohl. "He's a pure artist. He needed someone to care for his office. This was also the beginning of computer-aided design. Krier was convinced by someone to buy a CAD computer, which was extremely expensive at the time. Nobody knew how to work with it, and I was very interested, so I introduced this new technology in a quite traditional studio."

Krier tells a similar version. "My daughter naturally was afraid the partnership would end in a family drama," he says. "But after Christoph had worked in Vienna on other projects for a while I told him quite simply, let's try it. He has good academic training, and he can manage the thing. He is precise, quick, and takes care of the money." Their complementary natures point to the precise reason Rob and Léon Krier have never created a formal practice together, even though they have collaborated many times. The brothers are too similarly ambitious and artistic, Krier says, to allow for the compromise that a successful firm requires.

#### **Defining Public Spaces**

Since launching the firm, Krier the artist and Kohl the pragmatist have been united not only by family ties, but also by their common mission to reshape European cities, placing a special emphasis on Germany and the Netherlands. Kirchsteigfeld, the first major collaboration between the principals, was a massive undertaking five years in the making. Although the design is assertive, it's hardly groundbreaking, and that's just as the architects intended it. Buildings top out at five stories, green space is ample and a streetcar line connects the village to Potsdam.

"In Germany architecture has to be strong, brutal and radical, and only then is it considered architecture," says Kohl. "For us, the main issue at Kirchsteigfeld is the urban space. In our work we are very clearly defining public spaces and private spaces, and we have very clear façades to the houses that are evidently public. The backside is more private, less decorated. The second facet is that every urban pattern is very composed; streets are leading from square to square."

Despite this success, Germany has not been quick to embrace New Urbanism. As a result, Krier and Kohl have increasingly turned their attention to the Netherlands, where they have found an enthusiastic clientele that has been disenchanted with the country's pervasive cheaply realized Modernist schlock. "Instead of making decorations, famous Modern architects chose very expensive





materials, like Mies van der Rohe did for the Barcelona Pavilion," Kohl explains. "For the moneymaking developers, however, Modernism in the Netherlands leads to the most basic, cheapest architecture you could imagine. We realized that the Dutch market was absolutely waiting for an office that satisfies the basic human needs in terms of fine, cozy atmosphere, streetscapes, traditional materials and other things that were cancelled by the Modern way of building."

Currently, the firm has about 20 projects in the Netherlands. Among the most ambitious is the new town of Brandevoort, between the cities of Eindhoven and Helmond. Emphasizing density and livability, Brandevoort is complex of distinct but connected villages for some 20,000 residents. The town center includes shops, a school, restaurants and some 1,500 rowhouses built in traditional style, meant to recall historic Dutch buildings. Two blocks of 45 houses each were actually designed by visiting American students in the Rome Studies Program of the University of Notre Dame School of Architecture – who produced the "freshest ideas" one could imagine, Krier says. "You can drive over two hours through Brandevoort and discover innumerable different details," he adds. "We found the best architects in the locality to produce the designs. We also tried to keep the layout of the fields and the canals, the trees, the small sections of woods, so our respect for the history was not just in looking at the architecture, but also looking at the quality of the land."

Another long-term project has special meaning for Rob Krier – the plan for the so-called Cité Judiciaire, or Court of Justice, in his home country of Luxembourg, which was conceived in conjunction with his brother Léon. The plan calls for the various municipal departments to be housed in small buildings that together make up a logical urban space, rather than accommodate them all in one monolithic building. Other master plans include De Resident, a commercial and residential project in the center of The Hague that is arranged around a horseshoe-shaped courtyard;



De Resident is a mixed-use commercial and residential project in The Hague that is arranged around a horseshoe-shaped courtyard. The central marketplace is connected to the city's main rail station and offers a network of arcades, streets and small open spaces. Photo: Mick Palarczyk

Cité Judiciaire, illustrated in this painting by Rob Krier, was conceived in conjunction with Léon Krier in the brothers' home country of Luxembourg. The development makes a minicity out of a complex of administrative and governmental buildings. Drawing: Rob Krier



Left: Because Rob Krier is, at root, a visual artist, he is particularly taken by the architect Teun Koolhaas' master plan for the new town of Citadel Broekpolder in the Netherlands. Krier Kohl has designed a high-density New Urbanist community within this visually arresting space. Photo: Krier Kohl Archive

Below: The "moat" around Broekpolder offers a visually pleasing water feature for residents, who also have easy access to shops, restaurants, a supermarket and other community facilities. Photo: Werry Crone

Consuls de Mer, an integrative new waterfront development in Montpellier, France; and the Meander, a mixed-use residential and commercial block in Amsterdam.

"[W]e are often accused of cheap populism," Krier writes in his recent monograph on the firm, called *Town Spaces* (Birkhäuser). "The apartments in the Meander were sold within a short time, and their occupants are delighted. Our buildings are designed for their residents, and they do not burden their environment with abstract design. Buildings remain buildings. People appreciate the variety created by color and materials. The residents' satisfaction is the architects' reward."

This is indeed the case in Europe, where the negative connotations of New Urbanism persist at the governmental level but are slowly being dissipated among the populace. Most of Krier and Kohl's plans have a pleasant, natural courtyard or areas where people can congregate and interact. "The American ethos, from the time of Thomas Jefferson until today, tends to work against the collective in favor of the individual," writes architect Michael Graves in the introduction to *Town Spaces*. "We in America feel that the reverse has always been true in Europe. Architects such as Krier and Kohl have capitalized on this European urban tradition of defining the collective."

Today, Rob Krier is just as likely to be crafting a sculp-

ture at his home in Italy as he is to be toiling in the Berlin office. But he remains committed to the firm's growing roster of clients across Europe and to encouraging younger architects to enter the field. Krier's motivation may have come from the destruction of the continent's historic cities, but his partner Kohl is now just as driven by their homogenization. "My motivation to work in this field of traditional architecture is that I'm a victim of globalization," says Kohl. "There is a big danger that one day we will live in environments that will all look the same. I believe that our architecture offers a sense of home in a world that gets more and more globalized. As we lose our real roots, I strongly think that, to feel like home, our new settlements will have to have a very strong identity." **m** 





The Meander, a mixed-use residential and commercial block in Amsterdam, was built on a once-abandoned industrial site. To provide the greatest number of apartments with a view of the surrounding water, two V-shaped lanes of the Meander were oriented toward the canal. Photo: Mirande Phernambucq "The residents' satisfaction is the architects' reward," Rob Krier has written of the Meander. Like many of the firm's projects, the plan itself exhibits unity and logic, but each building has a different exterior character. Photo: Werry Crone

# Sustainability and Tradition: Ways of Building and Ways of Life

Each year *Traditional Building* holds a Roundtable discussion on a topic of current and enduring interest to its audience of design professionals. For the 2008, the topic is sustainability and tradition.

More column inches in the architectural journals are currently devoted to "green building" than any other topic, but the question of exactly what we talk about when we talk about "green" is still very much open. For some, sustainability is as quantifiable as a LEED score, while for others the situation is far more complex. For some, sustainability is a technological problem with a technological solution, while for others architectural sustainability is intimately connected with the patterns of economics, politics and culture.

We gathered three eminent thinkers and practitioners to discuss sustainability in general and the relationship between sustainability and tradition in particular. While each had his own perspective, there was a great deal of agreement on the interdependence of ways of building and ways of life.

> Michael Carey Editorial Director



# The Panelists

**MICHAEL LYKOUDIS** was appointed dean of the University of Notre Dame School of Architecture in 2002. A national and international leader in linking architectural tradition and Classicism to urbanism and environmental issues, he has devoted his career to the building, study and promotion of traditional architecture and urbanism. He has organized several major conferences, most recently "The Art of Building Cities," held in 1995 in Chicago, IL; "The Other Modern," which took place in Bologna, Italy in 2000; and "Three Generations of Classical Architects: The Renewal of Modern Architecture," held in October 2005 in South Bend, IN. Lykoudis is the author of *Modernity, Modernism and the Other Modern*, forthcoming from W.W. Norton & Co. Prior to joining the Notre Dame faculty, he worked as a project designer and architect for firms in Florida, Greece, Connecticut and New York. He also has conducted his own practice in South Bend, IN, Athens, Greece, and Stamford, CT.



**MICHAEL MEHAFFY** is president of Structura Naturalis Inc. (DBA Tectics), a project consulting firm. He is also co-founder and research associate of the Centre for Environmental Structure - Europe, a research centre founded by Dr. Christopher Alexander, emeritus professor at The University of California, Berkeley, and visiting scholar at the University of Cambridge in England. Mehaffy was also formerly director of education for The Prince's Foundation for the Built Environment in London, England. Mehaffy has lectured and written extensively on architecture and planning in Europe and the U.S. and has personally designed and built many projects. He studied 20th-century art and music at the California Institute of the Arts before doing graduate work in philosophy at the University of Texas at Austin and architecture at the University of California, Berkeley.

**WALTER SEDOVIC** is principal and chief executive officer of Walter Sedovic Architects, founded in 1986 and dedicated to historic preservation and sustainable design. His work and firm are recognized as



representing the vanguard of infusing preservation projects with green building approaches. Sedovic has lectured and published widely on preservation and sustainability. He received training in historic preservation from the University of Kansas and the International Center for the Study of the Preservation and Restoration of Cultural Property in Rome, Italy.

...sustainability has to be framed in terms of how we will share the resources of the world equitably and in terms of the best quality of life that that equity will produce. -Lykoudis

#### Michael Carey: How should we define "sustainability"?

**Michael Mehaffy:** The common definition that everyone seems to fall back to these days is the Brundtland Commission definition: meeting the needs of the present "without compromising the ability of future generations to meet their own needs." A deeper meaning than that is that you have a high quality of life that can endure.

**Michael Lykoudis:** I'm a little more pessimistic. I don't think we can sustain this quality of life in the future, not at the rate of growth to which we have become accustomed, not at the pace at which we are using our natural resources and our fossil fuels. We will have to change our way of life, it's that simple. Now, whether or not we will be able to keep our infrastructure the way it is, at least in places like New York City, which operates primarily as a sustainable enterprise for the most part, with mass transit, pedestrian proximities and the like, is still in question. In any case, we're in for some radical changes. I think sustainability has to be framed in terms of how we will share the resources of the world equitably and in terms of the best quality of life that that equity will produce.

**Walter Sedovic:** Iceland is a sustainable country and it's interesting that they don't necessarily use the word sustainability. I think we're still in the process of trying to tag actions and interactions that relate to our definition of global sustainability, of which buildings comprise a part. It's a culmination of efforts that are related to economy, that are related to environment, that are related to education and to so-called social equity and senses of community. It's really a way of understanding how the parts and pieces can best come together. We tend to separate out issues related to environment, and that's a mistake. So for us, it's really taking every opportunity to springboard aspects of education toward economic revitalization and of course, toward the environment.

**Carey:** I might be presuming too much here, but I think that everyone would agree that sustainability, in architectural terms, isn't only about building performance, or the building at all, necessarily, but about ways of life and how the building meshes with ways of life. In more global terms, on the other hand, how we think about sustainability is often subordinated to economics. I think the statement of principles on the website for the U.S. Green Building Council is very telling. They use the "triple bottom line": societal prosperity, economic prosperity and environmental prosperity. It seems to me that this framing of society and the environment in economic terms is a dangerous way to think.

**Mehaffy:** The danger of the current way of thinking is that it focuses upon a technological solution to a technological problem and it doesn't look at the long-term historic evolution of how we got to where we are. We've started using energy in a very different way and started consuming resources in a very different way and on a very different scale. Looking at old buildings – first of all there are many of them. If you're talking about any program of sustainability you have to look first of all at the existing inventory of buildings, many of which are historic buildings. So that's a huge challenge in itself. Secondly, many of those buildings are very well adapted to a low carbon pattern and to an integrated model of the way people live with their resources. There's a different idea of technology, if you will, in those old buildings – a collective intelligence, so to speak, that we can go back to and apply to new construction. And that's what I think is interesting about New Orleans as a project, and other challenges before us: how can we use that knowledge, that intel-

to happen, that there are certain groups breaking off from this larger sustainable organization, and working quite well together. I was really intrigued by the first U.S. Green Building Council conference, which was the first international conference on sustainability. What was so remarkable was that there were people who were microbiologists, there were attorneys, there were educators, there were politicians, there were some architects, there were engineers and there were social scientists. And it was this incredible group of people who all had something in mind and that conference stayed full from the very first opening statement to the very last. By the following year, it had switched gears and become much more about buildings and I would say 75-80 percent were architects and engineers and the allied professions. That greatly diminished this wonderful, fresh sense of being able to talk to people who were doing something completely different, but with the same mindset. That's what I'd like to see us get to.

**Lykoudis:** Many years ago, Leon Krier – I'll paraphrase poorly – said that the destruction of our cities and countryside can not be reversed except through an economical, political, cultural and environmental project – an ecological project. So the ecological aspect encompasses virtually everything – it is not just how we build, but also how we live together. It is about humanity understanding that we will have limited options and great difficulty in the future. Also, we talk about this country as being one of the largest users of energy and the source of environmental deterioration, but in fact the aspirations of the Chinese cannot be ignored. They're telling us, "You've had your day in the sun, now we want ours." That whole idea has been unleashed on 1.4 billion people and we have to come to terms with it and what it means for our way of life.

Carey: George H.W. Bush told us that the American way of life is not negotiable.

**Lykoudis:** And in fact it is very negotiable, because nature has a way of not negotiating with people. Someone once said that we need nature to survive, but nature does not need us to go on.

**Sedovic:** I'd like to go back to what Michael Mehaffy said earlier about buildings – early buildings, historic or not, being intrinsically more adaptable. I think part of the reason for that is not because anybody was being particularly altruistic, but because there was a very strong understanding of where your next meal would come from. We don't have that direct sense of nature now. We manipulate things so inventively that I think we lose the sense of the preciousness of the environment that we're working with.

**Mehaffy:** Contemporary buildings are just adapting to very narrow engineering criteria. If you really have to make a mutually adaptive system, which is what people had to do in a low-carbon society, before the 20th century, there's a real sophistication in that. Even the most technologically savvy engineers are now starting to recognize that. There has been some research on how historic buildings actually performed and it's pretty remarkable. A Tudor house in 1560 was more energy efficient than a mock-Tudor house in 1960, for instance. You have this image that they are primitive, leaky, cold and uncomfortable, but in point of fact, they were very sophisticated in their own way.

**Lykoudis:** We've learned a lot and when we select knowledge from history we can be eclectic; it's all there for us to put together in synthesis for the best possible outcome. I think that is a mindset that is sorely missing from the universities and educational institutions in the world. The solutions to the problems will require an interdisciplinary and holistic systems approach. That's the only the way that these massive solutions for energy and environment, which I see as completely linked, are going to be found. One also has to also look at the embodied energy tradeoff. You can fire bricks, but bricks, if installed properly, can be reused for thousands of years, as they have been in those parts of Europe built with Roman bricks. So while we may have spent a lot of energy firing those bricks and accepted their accompanying pollution and carbon emissions, they have lasted a thousand years. The same cannot be said for glass and steel, which have high embodied energy but relatively short life spans.



ligence, to deal with our current crisis?

**Sedovic:** I think that we, in partnership with the building community, have a great effect on the way people think and the way people act overall. It is such a large industry and it does affect virtually everyone. But then again, if the idea is to truly be sustainable, we need to engage on the political side so that we can put them into effect in a meaningful and lasting way. That, in turn, plays into economics so that we make wise decisions. I don't think anybody would agree that the decisions relative to the aftermath of Katrina are economically wise.

Mehaffy: Talk about un-sustainability. That was exemplary.

**Sedovic:** So all of these become coupled and I think that once we begin to uncouple them we start to run into problems. Each of us has unique abilities to be either more politically inclined, or more economically inclined or more environmentally inclined. And so we all sort of link arms and I think that's what has begun

**Mehaffy:** Many traditional buildings do last 200-300 years or more. They exist today at that age, and yet today we're designing buildings, if we're lucky, for 60-year lifespans. We should really be thinking longer term. In order to think longer term, we also have to think adaptively in terms of how the building can change. I mean if it's one kind of iconic skin that can't be modified, and the material is high energy and high maintenance, that's going to make it a much tougher sell. One of

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the other things that research is showing is that there are some real issues arising now with new buildings that are claiming to be energy efficient and sustainable. The glass curtain wall, for example, has drawn criticisms from a number of building researchers, including those who are pointing out the solar gain and the heat loss from all the glazing, plus the cost of the materials and the maintenance with the use of the building over time. Is it going to become dated precisely because it is "of its time," so strongly "of its time" that in 40 or 60 years, it's going to be torn down? Something like half the energy of a building is embodied in its construction. These are really disturbing questions that I think we have to answer.

Lykoudis: In the end, we will have to go through some very difficult times, but I think that there is no other way but to press forward and there is a great reason to be optimistic because we have the knowledge to save ourselves and we know what we need to do if not in the details at least as far as the big picture is concerned. Think, for example, of where we are now: Manhattan has an average carbon footprint per person that is dramatically lower than say, the suburbs of many U.S. cities, yet nobody would argue that Manhattan doesn't have a very enjoyable lifestyle. I think there's a particular burden on us in the U.S. to get our own house in order, and thereby correct the model that we've created for places like China. This model suggests that the only way to have a high quality of life is to have a high pattern of consumption and emissions and that really isn't true. We can show that it's actually incredibly wasteful to live a high consumption pattern and that the waste is not necessary to our economic and cultural well being.



Sedovic: It's a very enjoyable, very livable place.

**Mehaffy:** It's a very livable, convivial city and there's some research that shows that the carbon footprint is indeed quite a bit lower and in fact if you believe the research, the greenhouse gas targets have been brought down to 1990 levels in Portland. But that's the city of Portland, and again, we must look at the whole systems.

**Lykoudis:** And do people in Portland buy the plastic tubs made in China as much as they do in, say, Chicago?

**Mehaffy:** Yes, then we look at all these externalities; the food miles, the food that you get from South America or wherever it's coming from, and all the other things you factor in.

Carey: What do you think Portland has done well?

**Mehaffy:** Portland emphasized the downtown and the older, inner neighborhoods and said, "We're going to make a commitment to these places, and make them successful." They thought of things that would damage that, such as the Harbor

Freeway, which they actually tore down, and created a riverfront park. That was public policy.

Carey: So this was top-down?

**Mehaffy:** It was top-down and there was bottom-up too. Also there were a lot of fertile conditions for the bottom-up approach there – a lot of artists and creative people. Plus there was the happy accident of a small, walkable street grid, which Jane Jacobs talked about as being really an ideal street grid. So it was really both. What we're trying to do in New Orleans right now is both, but we're having a heck of a problem with the top-down side of

There has been some research on how historic buildings actually performed and it's pretty remarkable. A Tudor house in 1560 was more energy efficient than a mock-Tudor house in 1960, for instance. -Mehaffy

Carey: But that's against the interests of the powerhouses of the economy.

**Mehaffy:** It is right now, but that's a game they have to play just like everyone else. If you change the rules of the game, that goes to the politics again and I think the tectonic plates are shifting on that score.

**Lykoudis:** The Pentagon has conducted studies on the impact of global warming on international securities. The insurance companies know very well what's happening with global warming.

#### Mehaffy: Exactly.

Lykoudis: And even Detroit and Tokyo know what's happening with respect to oil. The aviation industry knows that there is an end of sorts coming up, and the wars between Boeing and Airbus reflect – perhaps I'm speculating more than I should be – that there will be very little jet fuel to go around in 20 or 30 years. Jim Kunstler talks about the fact that there have been no new refineries built. Why? Well, they are very expensive and the oil companies know that there isn't a lot of that stuff out there that's easy to get out. So I think the present powerhouses will hold on as much as possible – that's their nature – but other powerhouses will emerge and other economic realities will change things. What we need to do is offer guidance and direction, lest we lose our stability. I think Americans in particular are very open to this discussion, as we've always been an earnest people. We can pat ourselves on the back. Winston Churchill said, "You can trust Americans to do the right thing, but only after they've exhausted all the other possibilities." that. The bottom-up has done some remarkable things in New Orleans, but they can only do so much.

Lykoudis: I think, also, that there have to be different scales of intervention. We have to discuss all the different scales of human habitation. At the end of the day, however, there are two questions: How do we as individuals act? How do we as architects act? How do you build, and what do you build? What do you say no to? What do you say yes to? And as educators, what do we impart to our students? What is important for them to know? We have to balance both the pragmatic nutsand-bolts issues with a broad, philosophical spectrum of thought so they can find purpose and meaning. Linking these two is always difficult and unfortunately most schools haven't been teaching what students need to know. They are teaching that green buildings are off the grid, that they have this, that and the other techno gizmo bells and whistles. It's about an individual building, a consumable footprint, rather than how it involves society. On the History Channel a few months ago, I saw a very nice exposé that talked about the Flatiron Building and spoke about it as a green building. Why is it green? It's green because it has thick masonry walls, which are supported laterally by its steel structure. The walls are thick enough that the windows are set back so that they create shadows to avoid heat gain. The cornice is deep so it offers shadows at the peak of day down the façade. The floors have flow-through ventilation and each room has a transom window, which allows air to circulate freely through the building. And the masonry reflects the heat at night and absorbs it during the day. Of course the show quickly panned over to a building with a glass curtain wall, and the narrator indicated that the new building does exactly the same thing. They didn't tell you how, but they talked about that building as being green, because it has all the bells and whistles. But it does not behave in the same way that the Flatiron Building does. The Flatiron Building is

**Mehaffy:** This economic issue is fundamental, as is this question of how the big players are playing the game right now and how they are actually able to essentially spend our grandchildren's inheritance, our grandchildren's natural capital. That's a rule of the game that I think needs to be changed somehow. I think we see that in a place like New Orleans. What's happening in New Orleans is that the more sustainable, walkable, transit-served, mixed-use, older parts of the city are not getting rebuilt, and what is getting rebuilt are the sprawling suburbs that are dependent on cars, strip malls and all those kinds of high-consumption things. How the heck are we going to get there if we can't fix New Orleans? If we can't fix New Orleans, we're in trouble everywhere else.

**Sedovic:** Other cities though are reinventing themselves to become more sustainable. Portland, Seattle, Austin – a number of cities in the heartland.

**Mehaffy:** In the city of Portland, where I live, that is true, but the suburbs are not unlike suburbs elsewhere with the same kinds of problems. Downtown Portland is an interesting story because that was some visionary leadership, which took a lot

**Mehaffy:** I want to pick up on your point – and I find this alarming as well – the schools, by and large, are teaching a very narrow technological notion of sustainability. They are not really preparing students for what's coming in the real world, and they are certainly not doing a very good job of teaching historic preservation, for example, and historic patterns in general. It is a huge challenge before us, to take care of all these buildings that we already have, and to reuse them and to make them more useful.

**Sedovic:** I don't want to preempt what I'm sure will be a thoughtful response, but I personally and professionally have always been involved with historic buildings and actually count myself as an early sustainable architect, because that's the way I was taught. Preservation and architecture have nearly always found it rough to find a happy common ground at the university level. I've never quite understood that. I think part of it has to do with the separation of skill sets – architects tend to be

looked upon as designers, not as builders. And that's certainly indicative of what we see of people coming through school and starting at entry-level positions. They really don't know how to build. The other interesting thing that has occurred is that there's a great interest in sustainability, so now we've got people coming to us specifically because they're looking for a combination of sustainability in preservation, or sustainability in architecture.

**Lykoudis:** The idea of sustainability is the same idea as preservation – to preserve oneself. It came out of a need to sustain the values of civilization in the early '60s, when it was really being threatened by so-called urban renewal. So preservation programs teach what architects need to know to build sustainable buildings. They are probably the only programs, except for the University of Miami, Notre Dame, Maryland and maybe a handful of other programs in the country. But except for those schools of architecture programs and curricula, the preservation programs are the only place that you really find a worldview that allows you to build well and to build sustainably.

**Mehaffy:** What can be done about that? It seems to me that that's a fundamental obstruction to any real, sustainable architecture.

**Lykoudis:** I think one of the problems is that the design culture in most schools is to simply bring out the innermost anxieties of students into some convoluted personal aesthetic expression.

**Mehaffy:** That's the problem. It's a lie they're selling the students, because they're not all going to be "starchitects." In fact only a tiny, vanishingly small percentage of them are going to do that, and the rest of them are really going to have to take some remedial work.

**Lykoudis:** They're not learning anything that will make them useful. They're only playing the roulette wheel and hoping they'll get lucky and become the next Rem Koolhaas. At the very basic level we have to change the culture of universities. Universities are beginning to also deal with education as a commodity, and, in fact, education is in very grave danger of becoming entertainment. I tell our students at the beginning of every year: "You're not here just to become better and more successful, you are here to give something back to society." Society educates its young so that we can have a better place in the future. So if it can't begin in the universities, I don't know where it can begin. The universities have to teach citizenship again, not consumerism. Schools of architecture have to teach useful things as well as philosophical aspirations and citizenship. Only then will we begin to actually see a shift. It's happening, people are craving it.

**Mehaffy:** And I do take heart that a lot of people are starting to discuss this issue. Kenneth Frampton talks about this commodification of architecture, turning into what he calls "architainment." This is happening certainly in the schools.

**Lykoudis:** I think you hit it right on the nose. Architecture has become another form of entertainment. In fact, consumerism is becoming entertainment. The commercials are entertaining and they have to be – funny, witty or obnoxious. Architecture is entertainment, education is becoming entertainment and hospitals are becoming entertainment. Everyone is getting into the business. Everything is media, so the substance becomes subservient to the image.

Carey: Is aesthetics the enemy of sustainability?

**Lykoudis:** Absolutely. I think sustainability must trump style. Let's imagine what architecture would look like if we didn't have petroleum. Say we had coal and we had discovered all sorts of other things that gave us cheap energy, but no petroleum. We wouldn't have the gaskets that help keep water out artificially from flat surfaces. We would have to flash things with other materials and curtain walls wouldn't be what they are. Everything would have to be different and at some point in time we would have to start making buildings that last for a long time, because it would be simply too expensive to do otherwise.

Mehaffy: Another way of looking at it is from the point of view of a physicist who is looking at what you might call "solution space." Physicists have noticed that if you graph the solutions to a problem there are certain clusters that naturally tend to keep recurring over and over and over again - they call them "attractor basins." And you as a designer create a physical response to that. Let's say it's a pitched roof that sheds the rain or something like that. If you had a design philosophy that said we did pitched roofs before but we can't do them anymore - now we have to do something else because that was then and this is now - then suddenly you have to come up with another kind of roof. Maybe it's a flat roof and then you have to flash it. So what I'm getting at is that by having this standard that says you cannot do anything that was done in the past, you're actually creating a burden on yourself when you're trying to create a sustainable building culture.

You really need, just as nature needs, to reuse that which works, and if you don't do that, you're going to paint yourself into a gradually tinier and tinier corner of the "solution space" where you're going to have to come up with more desperate kinds of inventions to solve the problems.

Lykoudis: Well that really describes the present state, doesn't it?

**Sedovic:** It does. We still have the ability to engineer nature out of our solutions, but there are great models of sustainable ways of building. I'd like to mention the Tudor example, because that's exactly the opposite of what should happen. If we're going to mimic the past or if we're going to learn from the past and incorporate elements of the past, then why do our solutions perform worse than something several hundred years their predecessor?

**Mehaffy:** Because we're just acting on the image and that's what we consider the "style."

Sedovic: That's exactly it.

**Mehaffy:** It's very much a question of adapting to the current condition and not just pretending that it's the same when it's not. History is full of examples. Greek temples were originally made of wood, then became stone, and then you have, many centuries later, Bath being built from similar Greco-Roman architecture using that wonderful Cotswold limestone. It has its own lovely characteristic, like no other place in the world, and yet it follows a lot of the same Classical principles of design. So I think we've got to get to a more organic view of these things, taking what works and adapting it to something new. And you don't artificially abstract the image or the commodity of it, you look for the deeper patterns and you apply those to the problem that you have to solve.

Lykoudis: We are so object fixated in our culture today. When we look at a column, let's say a Doric column, we forget that it's actually part of a colonnade and that the character of the building is about the proportion of the column and the space between the columns. Hawksmoor's Mausoleum colonnade with its very tightly spaced columns has a completely different character, and evokes a different feeling, than the Parthenon. It's about looking at the relationships between things. What is the brick's relationship to the other brick? What is its relationship of a column to a wall? What is the wall's relationship to the opening? And then what is the building's relationship to other buildings that creates the character of the city? That's why Bologna is not the same as Modena even though it's 20 kilometers away. So it's all about the relationships between things, and education has to focus on that stuff, on the dark matter of space if you will, as well as on the planets.

**Mehaffy:** Yes, well said. And you remind me of this crucial topic of local identity, which people seem to be very worried about as we globalize. The worry about globalized architecture, which is a universal phenomenon, is that we're losing the authentic local character of places like New Orleans. That's exactly what people love about New Orleans – even though some of the architecture might be Greco or Roman or Victorian or whatever, it's combined in a way that's absolutely unique to that place.

**Lykoudis:** There was a Congress for the New Urbanism (CNU) council in Charleston years ago and one of the issues that came up about one of the architectural projects that were being displayed was that of authenticity. None of these places look authentic because it has all been designed at once with an image in mind. It doesn't come out of any deeper purpose.

Mehaffy: This is Christopher Alexander's criticism as well.

Mehaffy: Absolutely. They always are.

**Lykoudis:** It just comes from an artificial image and it comes from an attitude towards building that is not a culture but a technocratic system of consumption. So of course it doesn't have a deeper purpose and it never will. Some of the best architects today can do very, very good traditional architecture but I have yet to see an exemplary project.

**Carey:** I wonder if this whole discussion isn't basically about two things, scale and time.

Preservation and architecture have nearly always found it rough to find a happy common ground at the university level. -Sedovic



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In the end, we will have to go through some very difficult times, but I think that there is no other way but to press forward and there is a great reason to be optimistic because we have the knowledge to save ourselves and we know what we need to do. -Lykoudis

**Lykoudis:** I just want to say, before we go on, that one of the big dangers I see in the future to all of this is a rehabilitation of unjust movements. At the passing of Jane Jacobs, I found really troubling an article in *The New York Times*, in which Nicolai Ouroussoff tried to rehabilitate Robert Moses. You know Robert Moses may have done some marvelous parkways, but in the end his dismissal of Jane Jacobs and the humanity she brought into the city and into the architecture was just outrageous. The media, and particularly the architecture critics, have done a horrible job of misinforming – well they've done a very good job of misinforming – the public, misdirecting them into issues which are red herrings, and have nothing to do with the poetry and the pragmatics of life.

Mehaffy: I think that there's a phenomenon of collective amnesia that's quite alarming and the treatment of the death of Jane Jacobs is a case in point, as is the rehabilitation of Robert Moses. It's because a city like Portland resisted Robert Moses and pulled down the freeway that it became the walkable, convivial, sustainable city that it is today. It's because we recognized our mistakes and learned from them and reversed them and went on from there. And I find it astonishing that suddenly we're going to dismiss all that. And again, it goes back to the issue of scale and time, and the question of scale and the accepting of large-scale projects, deepblock projects of the kind that Moses advocated. In terms of large-scale transport systems, these things that are not moving in the direction of fine-grained adaptivity, which is what we need to have if we're talking sustainability. I think it's quite alarming, and we do need to respond to that vigorously and put out the counter argument that Jane Jacobs was right. I also think that the CNU is fascinating as an organization in that it actually is identifying a common theme on which people who are very much on the right, very much on the left, very much all over the map politically, have converged. It's about conviviality and the civic realm and how we actually have a collective responsibility for that. Where else do you find that kind of thing? It's very hopeful to see people starting to cross the divide and talk about these things, particularly in light of this whole sustainability discussion and how we are actually going to do this together.

**Sedovic:** My question on the CNU is why be a New Urbanist when you can be an old urbanist? It's another tag that people get excited about and maybe they think that they're looking at something new because they're two generations separated from a concept that had been a natural part of life. From the end of World War II to the late 90s, I think we started forgetting everything we used to know. I was at a presentation a year or so ago on the development of a CNU project at the expense of exactly the same thing happening in the downtown, which was 12 miles away. So I actually brought this up and I was trying to be as polite about it as possible, but I did set it up as a loaded gun by asking, "Well is your project doing this? Is your project doing this?" The answer was yes and yes. I said, "But isn't that everything that the downtown already does?"

#### Mehaffy: Right.

**Sedovic:** Nobody is doing anything downtown. Why not? That's where the money should be going. I am LEED (Leadership in Energy and Environmental Design) accredited and I stand behind the U.S. Green Building Council, but LEED is modeled on certain guidelines and there are other guidelines around the world that would be applicable to us here. It's unfortunate that it has become a little bit of a monopoly in that there hasn't been much competition introduced in the United States. The issue with that is that when the government or an organ-

doesn't necessarily mean that it's a sustainable product at the end of the day. It's a checklist that you go down and you might hit it, or you might not hit it, depending on what all of the other variables are. So people misunderstand, because if they are handed a CNU brand – and it is a brand – or an LEED brand, they think they are doing the right thing and that may not necessarily be the case.

Mehaffy: In the CNU's defense, it is a set of principles, which are often not very well realized, but it is a very ambitious attempt to try to realize them in the context of all these economic phenomena that we're talking about. And the principles apply to development wherever it's located. Often they don't help older, established areas because economics dictate what's going to happen. So do you just say - as many architects do - that you don't care about the suburbs and you're just not going to pay any attention to them, even though they constitute 95 percent of the development that goes on? Do you focus purely on the downtown - which is much more sustainable already - or swallow hard and actually tackle this monster in the suburbs and try to slow it down, even at the risk of being accused of being part of this monster? I think the CNU should get credit for trying even where it fails - for at least tackling that phenomenon. I'll criticize a lot of other things about it, certainly the level of perfection and the goals yet to be realized, but I wouldn't fault it for not being ambitious in the right way. Also the whole "new" thing is that it is new in the current context of trying to go back to the old, in the same way that architects today talk about how you can't copy the old but you can certainly learn from it. When you do, that itself is something new.

Lykoudis: And nobody would have listened to them if they'd said it was old urbanism.

Sedovic: Yes, no question.

**Lykoudis:** One of the problems is not the CNU's fault as much, I think, as the media's for not playing up the projects in the inner cities that could have been seen as New Urbanist projects.

#### Mehaffy: Absolutely.

**Lykoudis:** Some of the Hope VI housing, such as the housing on 116th Street and Park Avenue in New York City, is not bad. It's pretty good row housing in Harlem. That's New Urbanism.

**Mehaffy:** Urban Design Associates does a lot of inner-city projects, as does Moule & Polyzoides. Quite a few New Urbanist firms do, but the greenfield projects get all the ink.

**Lykoudis:** I resent it when some newspaper or newscaster points a finger at traditional architects or New Urbanists and says, "All you guys do are suburbs for the rich." It ignores all the hard work that goes into places like Harlem. Torti Gallas did some lovely interventions in places that people had given up on. It's not cuttingedge architecture, but then I think we have a myth of what progress means today.

Mehaffy: Right. We need the background urbanism. Cutting-edge architecture can take its place, but...

Lykoudis: People forget that some of the great architects of antiquity did background buildings.



ization or an individual says, "I'm going to design a LEED-certified building," that



... one of the things I've found that differentiates Italy from many other countries is that it's still authentic in the sense that it has a continuum of linkage to its past. –Sedovic

Sedovic: Modernism was terrific in that sense because when the first drawings

arrived showing early Modernist buildings set in the context of 18th and 19th century buildings, that was fantastic. But if you're looking down Park Avenue in the '50s, or down around lower Manhattan in the '40s, it becomes much less fantastic because the context is gone. So yes, I totally agree.

**Mehaffy:** This whole subject of contextualism is a hot one. How we respond to context and function goes hand in hand. If you're

dealing with the context in terms of the sustainable patterns of life, you're probably also going to be dealing with some of the materials, the expressive characteristics of the place too. You'll get aesthetic contextualism. The aesthetics will flow from what you're doing, not drive what you're doing. As you were saying, you don't let aesthetics be the enemy.

**Sedovic:** I'd like to raise the question of where in the world sustainability does seem to have a hold. I would have to say that in many parts of Italy that's probably true, and one of the things I've found that differentiates Italy from many other countries is that it's still authentic in the sense that it has a continuum of linkage to its past. So people have a real sense of place, a sense of being there. There's also this great interplay of buildings that, if you were there one year and returned 20 years later, you'd have the sense that most of those places are still going to be there. And I think that's extremely important on the cultural side.

Carey: And antithetical to the U.S.

Sedovic: It is antithetical.

**Mehaffy:** I used to live in Los Angeles. I go back every five years or so, and each time it's like going back to a new city.

**Sedovic:** Shanghai is part of my critical list of places to visit because I'm afraid that by the time I get there I will not have had any experience of what Shanghai had been. It just seems to be changing so quickly.

**Mehaffy:** I think the Scandinavian countries, for example, have done a really good job of integrating sustainable practices relative to other parts of the world. And it's interesting that they've managed to integrate Modernism, including Minimalism and some of the Modernist principles, with a traditional pattern and with ecological principles and a strong natural aesthetic to make a very convivial, livable place. I think Stockholm is a good example of that.

**Lykoudis:** If you look at different parts of Europe, you get different pieces of the puzzle that need to be sort of rewoven together. Certainly France has minimized its dependency on fossil fuels to a large degree.

Sedovic: Germany as well.

**Lykoudis:** Maybe at the expense of other problems in the future, but nevertheless, at least for now that's one thing that Germany has been engaged in very carefully and very rigorously. Flying over Germany you see very little sprawl. You see

that the city cores are intact – well, as much as they were after the Second World War. You see the boundary of the city.

Mehaffy: The edges are very distinct.

**Lykoudis:** It can be done, even in the system that we have, which probably needs to change in terms of how we place value on things. The economic value has to change, because we have to go to a resource-based system.

**Sedovic:** Resource and conservation based. I think the Germans in particular are very good at that, as are the Scandinavians. I believe that something like 40 percent of Germany's electricity is produced by wind.

I remember from my own youth when we saw the future as something hopeful, but we now realize we've made some horrendous mistakes and if we want to have a future that's hopeful we've got to correct them.



-Mehaffy

Mehaffy: Take only pictures and leave only footprints, as they say.

Sedovic: Exactly. There's a whole group of people who get that inherently.

**Lykoudis:** As a practitioner, as a citizen, as an educator, you have some marvelous opportunities, and you just have to do the best you can. You're going to make some mistakes. We're all going to make mistakes, but in the end, we can help the world with the big picture, participating in the discussion to further the ideas that will help bring the world closer together in understanding, in a civil manner. And if you can impact on your local and regional communities, you'll find a marvelous life.

Sedovic: I'm not a huge fan of carbon trading.

**Mehaffy:** I think the market can play an important role in all this – it's just that it is a role in a larger civic and public process – a political process. And that's what I think is the success story in Germany and Scandinavia. When we were talking about Portland, I neglected to mention that the urban-growth boundary was an absolutely critical piece of that puzzle. It is now under assault there, especially by anti-government ideologues, because they did make some mistakes in how they handled it. But I think there's a proper place for a political unit deciding, democratically, that we are not going to build on the farmland and that we are not going to sprawl. There must be, otherwise we are going to have a tragedy of the commons, where we're gradually destroying our common resources in an unstoppable way. In Europe, where they are the worst is where they've copied us, I'm ashamed to say.

**Carey:** I think it gets back to what we were speaking about before, that you're going to have a resistance: "We're not European. You can't turn me into a European, I'm an American."

**Mehaffy:** On the other hand, you can overcome that. I mean, marketers do that sort of thing all the time. They change the perception of what is valuable and what is desirable. So far, the marketers themselves have been rewarded by creating the perception that large cars and big lots, freeways and the suburban lifestyle is the desirable lifestyle of the future. But that's because right now, the rules of the game reward them for that. If we change the rules of that game, suddenly the marketers are going to start saying, "Hey isn't it great to live in this delightful, convivial place, where you know your neighbor and you can take your child to the park?" It's already happening, that's why New Urbanist communities are selling so well. It's because people actually will find that appealing.

**Sedovic:** What does each of you expect to get by continuing to promote sustainability, or sustainable lifestyles? What do you see as the end result of your love and efforts?

**Lykoudis:** We're probably not going to see the fruits of what we do, but we have to make sure that we leave this place a little bit better for our kids. I have this image of my children 80 years from now, and what kind of life they will have, and that's what drives me.

**Sedovic:** People who spend a lot of time outdoors have no problem with that concept – that you hike in and you hike out and hopefully it's a better place than when you arrived.

**Mehaffy:** Yes, they've got a very aggressive program. They also have remarkably innovative programs for retrofitting old buildings. There's a consortium of the city of Berlin, and they go to the building owner and say that not only will the retrofit not cost them anything, they're also going to use part of the savings to pay back some of the construction loans, with the rest of the savings going to the owner. From day one the owner gets more money, guaranteed. So what building owner in the world wouldn't say, "Yes absolutely, retrofit my building tomorrow"? They

have a number of programs like that that we look at and think, well of course, why don't we do this?

**Sedovic:** Well because we take a completely different tack. I went to a presentation about three or four years ago and I couldn't believe what I was hearing. It was ostensibly to promote alternative forms of fuel, but that's not really what it was about. They were talking about wind energy and said, "It's great that we can build a windmill hill, but we have a better idea and this is what we want to sell you on. We have a derivative where you purchase the sky in front of that windmill and any wind that comes across it is your property and therefore you deserve to be compensated for it." Instead of looking at any of the fundamentals behind what the windmill was, they thought, "How can we extract a way to get more capitalism out of the process?"

**Mehaffy:** Well it's this atomization of society into profit-making modules. Carbon trading is another example.

Sedovic: Well put. So are any of us running for office?

**Mehaffy:** I think if we can keep the people who are running for office aware of these issues, that might be better – teach the teachers kind of thing. And just to answer your question about what keeps me going, from my own point of view, it's just to sleep at night, to know that we're correcting some of our mistakes, learning from our mistakes, and getting back in some ways to the idealism of the early Modernists. I remember from my own youth when we saw the future as something hopeful, but we now realize we've made some horrendous mistakes and if we want to have a future that's hopeful we've got to correct them. **B** 

# Leaving the Dark Ages

Princeton's new Whitman College is a triumph and a vindication of traditional building.

#### **Reviewed by Richard Sammons**

LAST FALL, students at Princeton University began occupying the most progressive collection of buildings built by any American university in the last half century. The buildings carry none of the gimmicks of contemporary architecture. They are not in "green style," but are greener than many that are, and, at a construction cost of \$450 per square foot, they dash the myth that traditional projects are budgetbusters. Defying current conventional logic, the project is testament to the intelligence of its designer and proves that the only progress in architecture is that which

#### PROJECT

Whitman College, Princeton University, Princeton, NJ

#### Architect

Porphyrios Associates, London, U.K.; Dr. Demetri Porphyrios, principal

#### **Executive Architect**

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Five hundred students belong to Whitman College, Princeton's sixth residential college and the first new collection of buildings at the university to be designed in a traditional, not to mention Gothic, style since World War II. Designed by the noted English architect and Princeton alumnus Dr. Demetri Porphyrios, assisted by executive architect Einhorn Yaffee Prescott Architecture & Engineering P.C., Whitman College comprises some 265,000 sq. ft. in eight major buildings containing dormitories and their necessary support spaces: a library, the-



ater, college offices, seminar rooms, dining halls, a small auditorium and facilities for recreation and entertainment. The construction is of self-supporting field- and cutstone walls with a concrete superstructure, slate roofing and leaded casement windows, and is in the late-Gothic style favored by Princeton's most influential architect, Ralph Adams Cram.

Ironically to some, its patron and namesake, Margaret Whitman, who donated an initial \$30 million to the project, is from the high-tech world, being the president and CEO of eBay. Ms. Whitman is very pleased with the buildings and, contrary to what William Mitchell, former dean of the School of Architecture and Planning at Massachusetts Institute of Technology, called "silly" and "stultifying," she says that Dr. Porphyrios designed exactly what she expected.

Whitman College represents a potential sea change in institutional architecture. That it has been built at all, let alone to such a high standard, may be its most important aspect. Over the last several decades, universities and colleges across the United States have been systematically committing suicide by destroying their Above: The university's sixth residential college, Whitman College houses 500 students. It is composed of eight major buildings wrapping around three courtyards that are criss-crossed with bluestone walkways. In addition to the dormitories, the complex includes a library, theater, college offices, seminar rooms, dining halls, a small auditorium and recreation facilities. Model: courtesy of Porphyrios Associates

Top: Designed by Demetri Porphyrios and built using traditional construction methods, Princeton's 265,000-sq.ft. Whitman College opened its doors to students in the fall of 2007. All photos: Denise Applewhite



North Hall is to the left of the 100-ft.-tall Murley-Pivirotto Family Tower, which is made of fieldstone and capped with a limestone crenelation.





Above: The view from the terraced North Court shows Fisher Hall to the right and North Hall, the largest building in the college, to the left. More than 175,000 pieces of fieldstone (6,000 tons of stone) from quarries in Alcove, NY, and Susquehanna, PA, were used in Whitman College.

Left: Community Hall houses the main dining facilities for the college and is one of two limestone buildings in the complex. The limestone walls set it apart from the fieldstone of the dormitories.

built environments. Whether they are employing star architects to build signature projects or employing campus-architecture specialists, the general trend is toward discord and devolution of a collective vision. Ivy League schools, particularly those with architecture programs, have been more self-destructive than most and have been cluttered with examples of the "current thinking" from that week's fashion-able architect. Whitman College will stand as an exemplar for the future and as indictment of the recent past.

The Urban Intent

the solid side forming an implied college wall around the total group. These courtyards are interlinked with pathways and reciprocal views in a picturesque manner.

Dr. Porphyrios' plan of Whitman College respects this existing arrangement. The plan has three courtyards opening towards the middle of the campus. The

At the beginning of the 20th century, bankrolled by the industrial wealth of the previous century, a great number of schools set about "re-imaging" themselves with a consistent architectural theme. "Group Planning," with buildings sharing the same architectural style and massing forming positive urbanistic relationships, was the direction forward. Any new building would contribute to the greater vision and thus the total would add up to more than the sum of its parts. The sense of a college community was fostered by this architectural cohesiveness that made clear what was intramural versus extramural.

The plans at Yale and Princeton were among the most ambitious. They both chose the Gothic of Oxford and Cambridge, though Yale's urban context and Princeton's more open site led to different planning directions. Whereas Yale could lift the enclosed quadrangles of urban Oxbridge colleges and plug them into New Haven's urban grid, Princeton quadrangles, as Dr. Porphyrios points out, are left open on one or two sides. These open quadrangles give Princeton Gothic a very different character than that of Oxbridge and give it a more "American" feel. Though they do not enclose their own courtyards; they open to each other with



The arcade along the walkway of North Hall is known as Wright Cloister. It was named in honor of Thomas Wright, a 1962 Princeton alumnus who retired as vice president and secretary in 2004 after more than 30 years of service to the university.





Above: Approximately 38,000 pieces of Indiana limestone were incorporated into the design. Some were used as trim around arches and windows, and others were used as the exterior finish on Community Hall and Hargadon Hall. Diagram: courtesy of Porphyrios Associates

Left: The Whitman College shield is carved into the limestone above the oak doors leading into Community Hall.

closed side continues the implied wall of the 1920s Gothic to the west, again reinforcing intramural versus extramural. The buildings forming these courts are deliberately expressed as separate units, avoiding the sense of a mega-structure. The massing was conceived of perspectively, as a cityscape would be. The natural grade slopes to the south but a pre-existing cut in the grade (to provide a level area for tennis courts) was retained to serve as a "moat" against the outside wall. The entry points through this wall are celebrated by a tower and a porter's lodge, the former reached by a ramp parallel to the wall along the moat, and the latter reached perpendicularly with a bridge spanning the moat. That bridge leads to the train station, which services a spur line affectionately called the "Dinky." Travelling by train, this would be the first entry to the campus a visitor would encounter.

These two entries lead into the south courtyard, which is the central and most enclosed of the three, and where the primary public program of the college is housed, including the library (an IT collection with few books) and the Community Hall. The north edge of this court has an arcade providing covered passage to the Great Hall. As this would be warmed by the low winter sun, stone benches are provided. The north courtyard is 14 ft. higher in grade and is residential in character, mediating between the domestic scale of much of Princeton's existing Gothic quadrangles and Whitman's decidedly larger buildings. The change in grade is negotiated by stairs under a second tower along the Community Hall.

The Community Hall itself straddles the grade change between the South and East courts. One enters at the upper level, providing a vantage point to survey the lofty room and timber ceiling. An appropriately monumental fireplace sits at the midpoint of the opposite wall. Two private dining halls, one in the form of an octagonal tower of a chapter house, are situated beyond the chimney stack.

At some point, the administration attempted to make this hall more "friendly," thinking the students would find the room intimidating. The students themselves protested, saying they were perfectly at ease with the concept – being the generation weaned on Harry Potter novels. Unfortunately, the communal tables and dais of Oxbridge dining halls, originally designed by Porphyrios, were not adopted, making what could be the most enjoyable and civilizing aspects of college life a mundane food-court experience.

This re-connection with the ecclesiastical Oxbridge tradition would have been an anathema to the likes of Thomas Jefferson, but was wholly embraced by the end of the 19th century, with colleges across the country happily abandoning the architecture of the Enlightenment and donning monastic robes instead.

Many have commented that the adoption of the Oxbridge Gothic style can also be seen, in light of increased immigration from Eastern and Southern Europe, as a buttressing of Anglo-Saxon identity at these elite institutions. But whatever the subtext, the idiom produced a lot of great architecture and the intent was that of fostering intellectual freedom. Even today, the donor, Ms. Whitman, was quoted in the *New York Times*: "Collegiate Gothic set an ambience for learning that had a very positive impact on me." Elizabeth Plater-Zyberk, a trustee, added that the style reminds the student that they are a "part of a long tradition of intellectual life."

Though the trustees of Princeton have not been known as supporters of traditional architecture (indeed a new library by Frank Gehry, though much delayed, is being built concurrently with Whitman), a new Gothic college at Whitman, given its context and the tradition of the university, was seen to be a most positive addition. There was a concern that the Gothic core, and in essence the identity of Princeton, was being smothered by the proliferation of modern buildings. The trustees decided that it was time to reinforce this core identity and wanted the new college to speak the same language as that of Cram.

#### Hybrid Construction

The choice of Dr. Porphyrios as architect, out of an initial 16 firms, was particularly fortunate to the project. He has been the undisputed intellectual voice of the revival of Classical architecture. His Gothic projects for Magdalen College (1994) at Oxford and Selwyn College (1996) at Cambridge gave him unique qualifications. Princeton's trustees recognized that Classical architects, though still a small minority, offer a strong alternative choice for institutions. Harvard, Rice and the universities of Virginia and Delaware have all recently built projects in traditional styles, but none are as ambitious as Whitman College. Mark Burstein, executive vice president of the university, says of Porphyrios: "He has a very well developed sense of building in context, mediating between existing conditions in a very sophisticated way. He has significantly enhanced Princeton's physical experience."

The majority of the building program is comprised of residence halls, with student rooms located off central, double-loaded corridors. The rooms are pleasant and well lit and some have oriel bays. The popularity of these rooms has led the university to increase the sizes of rooms in another "modern style" dormitory under construction in order to compete with Whitman.

#### The Use of the Gothic

The Collegiate Gothic style in the U.S. started in 1824 with the founding of Kenyon College in Gambier, OH. The local Bishop, Philander Chase, secured the backing of two English lords seeking to rekindle the transatlantic brother-hood of Anglicans after the revolution of 1812. The college's first building, "Old Kenyon," intentionally evoked a connection to the Gothic of Oxford with which its backers were associated – and the books in its library were donated by various Oxford colleges.

Dr. Porphyrios has been the champion of rational tectonics and sensuous yet honest use of materials, the hallmarks of traditional architecture everywhere. His career has been based on how these ideas can co-exist within the contingencies of modern construction.

Rather than succumb to the peel-and-stick use of materials that has unfortunately become common in "Traditional Style" construction, Porphyrios developed a hybrid type. In current practice, the acceleration of the schedule of a job has taken priority over the logical sequence of traditional construction. Simply put, the emphasis is on getting the project to a point where it can be dried in so that the internal work can carry on without potential delay due to weather.

At Whitman, the internal concrete structure supports the floors and roof, allowing for the internal work to progress while the masons worked on a completely independent exterior wall – or, as Dr. Porphyrios puts it, "a fast-track structure and



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This high thermal mass is also the first step in sustainable design. This type of robust construction doesn't destroy itself over time with thermal movement. Not only does the mass dampen the swing in internal temperature (think of the coolness of an Italian church in August), but it also contributes to the longevity of the structure. The most sustainable building is the one that lasts the longest given the embodied energy and the initial energy use during construction, which is conservatively at least 30 times the annual energy use during the building's lifetime.

This does not include the negative externalities such as the huge amount of pollution and carbon generated in the making of materials such as steel, glass and plastics. The acquisition of fieldstone that harmonized with the existing buildings on campus was the greatest and most unexpected challenge. The original quarries were played out, so a mix of bluestone was chosen. Given the vast amount required, 6,000 tons in all, the stone was sourced from two quarries, Endless Mountain in Susquehanna, PA, and New York Quarries in Alcove, NY. The stone was delivered to a yard off site and mixed and palletized to speed the mason's work. The masonry subcontractor for this Sisyphean task was Dan Lepore & Sons of Conshohocken, PA. It took a little while before the 52 masons were in sync with one another, and, in the end, one in three could not make the cut. However, they made increasingly quick progress and clearly take pride in a project that will outlive their grandchildren. The walls are laid in a three-handed, random-range pattern with the masons rotating positions regularly to mix away the telltale personalities of individual hands.

In comparison with the fieldstone, the Indiana Limestone cut-stone work was problem free. The Bybee Stone Co., a venerable firm based in Bloomington, IN, has been doing work of the highest level for generations. The arcades, oriel windows, archways, cornices, stringcourses, labels, hood-molds and window surrounds, as well as the ashlar at the Porter Lodge and Community Hall, were all under their umbrella. In addition, the company executed a fair amount of carving as well as dimensional work. In order to reduce the monotony, the moldings and window surrounds were carefully varied, the latter in a number of randomly placed patterns of jamb stones. One annoyance to Dr. Porphyrios is the unnecessary thickness of American mortar joints in the cut-stone work, <sup>3</sup>/<sub>8</sub> in., versus the English tolerance of <sup>1</sup>/<sub>8</sub> in. Although there is some carving in the initial construction, there is ample room for further additions. Future donors will sponsor additional carving or even memorial plaques, allowing for the natural encrustations of history, typical of this type of institution. A sundial by British carver David Harber has already been installed.

Pennsylvania is well represented in the construction process. In addition to the masons, the window manufacturer and the light-fixture manufacturer hail from there. The windows, by Bridgeport, PA-based Seaquay Architectural Millwork, are typically custom wood casements, triple-glazed, with the leaded panel on the outside. The Klemm Reflector Company, a six-person firm in Philadelphia, produced the multitude of Gothic style bronze sconces and lanterns required.

The current practice of modern construction is only incrementally faster than traditional construction practice and, given time, reveals its inferiority. "Improvement" in construction practices in America has meant cheaper and faster, but rarely better. It's heartening that institutions like Princeton can take a broader view and understand the virtue of the robust technology exhibited by traditional practice.

As with any construction project, the Fates conspire, but Dr. Porphyrios' unquestionable intellectual and moral fortitude could not be eroded. American architects owe him a great debt for showing that building with integrity, intelligence and permanence can still be achieved today. As John Ziegler, the university's project manager, says, "It's a testimony to Demetri that so many people poured their hearts and souls into this project and that they so closely achieved his vision." **TB** 

Richard Sammons is a principal at New York, NY- and Palm Beach, FL-based Fairfax & Sammons Architects and an instructor at the Institute of Classical Architecture & Classical America. He was a student of Dr. Porphyrios at the University of Virginia.





This detail of the stonework on North Hall features a carving of two tigers.





Above: The reading desks in the library were designed by Porphyrios Associates to coordinate with the style of the buildings.

Left: An ornate wood screen topped with finials, 8-ft. oak panels and a 35-ft. vaulted ceiling provide a impressive atmosphere in the main dining room in Community Hall.



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<b>1906.</b> American Clay
8032. American Restoration Tile, Inc

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<b>5240.</b> Woodline Co

\*Contact for more information

Use the blue number to order product information for an entire Sourcelist

# **Product & Service Index**

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6 Exterior Elements, Ornament & Finishes
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10 Lighting & Electrical

#### Artwork, Art Glass & Furnishings

Art Conservation See Conservation Services, Art, in Section 14

#### **Art Glass Restoration**

Bovard Studio, Inc. **Canning Studios** Conrad Schmitt Studios, Inc. Eve Guinan Design EverGreene Painting Studios, Inc. **Glass Source** John Tiedemann, Inc. **Judson Studios** Lamb Studios, Inc., J&R Lehmann Glass Studio Michael Davis Stained Glass Neumann Studios **Reflection Studios** Restoric, LLC Rohlf's Stained & Leaded Glass Studio Serpentino Stained & Leaded Glass Willet Hauser Architectural Glass Williams Stained Glass

#### **Art Glass Supplies**

Glass Source Michael Davis Stained Glass

#### Art Glass, Antique Original

Aurora Mills Architectural Salvage Bovard Studio, Inc. Conrad Schmitt Studios, Inc. Michael Davis Stained Glass Neumann Studios Reflection Studios Willet Hauser Architectural Glass

#### Art Glass, Beveled

Bovard Studio, Inc. Judson Studios Lehmann Glass Studio Michael Davis Stained Glass Neumann Studios Reflection Studios Rohlf's Stained & Leaded Glass Studio Willet Hauser Architectural Glass Williams Stained Glass Art Glass, Etched Bovard Studio, Inc. Conrad Schmitt Studios, Inc. Glass Source Judson Studios Lehmann Glass Studio Michael Davis Stained Glass Neumann Studios Reflection Studios Rohlf's Stained & Leaded Glass Studio Willet Hauser Architectural Glass Williams Stained Glass

#### Art Glass, Leaded

Bovard Studio, Inc. Eve Guinan Design Glass Source Judson Studios Lamb Studios, Inc., J&R Michael Davis Stained Glass Neumann Studios Reflection Studios Rohlf's Stained & Leaded Glass Studio Serpentino Stained & Leaded Glass Willet Hauser Architectural Glass Williams Stained Glass

#### Art Glass, Stained & Painted

Bovard Studio, Inc. Conrad Schmitt Studios, Inc. Eve Guinan Design EverGreene Painting Studios, Inc. Glass Source Judson Studios Lamb Studios, Inc., J&R Michael Davis Stained Glass Neumann Studios Rambusch Decorating Co. Reflection Studios Rohlf's Stained & Leaded Glass Studio Serpentino Stained & Leaded Glass Willet Hauser Architectural Glass Williams Stained Glass

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Rambusch Decorating Co. Scottsdale Art Factory

#### Furniture, Standard Designs

Florentine Craftsmen, Inc. Gaby's Shoppe Scottsdale Art Factory

#### **Mosaic Conservation**

See Conservation Services, Mosaics, in Section 14

#### **Mosaics, Figurative & Pictorial**

Bovard Studio, Inc. Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. Fishman Mosaics Judson Studios Rambusch Decorating Co. Willet Hauser Architectural Glass

#### Mosaics, Floor

See Non-Wood Flooring, Mosaic, in Section 7

#### **Mosaics**, Geometric

Bovard Studio, Inc. Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. Fishman Mosaics Judson Studios Willet Hauser Architectural Glass

#### Murals, Exterior

Canning Studios Designs in Tile EverGreene Painting Studios, Inc. Fishman Mosaics Warner Bros. Studio Facilities

#### Murals, Interior

#### Sculpture, Custom

A-Art/B. Rasmussen, Ltd. Art Casting of Illinois, Inc. Art Design Group Authentic Provence, Inc. Conrad Schmitt Studios, Inc. De Groot Historical Restoration. Inc. DMS Studios Florentine Craftsmen, Inc. Gerald Siciliano Studio Design Associates Jon Hair Studio of Fine Art LLC Modern Art Foundry Rambusch Decorating Co. Rosetta Studio Saint-Jacques Artisans Workshops The Sculpture Foundation Traditional Cut Stone, Ltd.

#### Sculpture, Custom Casting

Art Casting of Illinois, Inc. Art Design Group Florentine Craftsmen, Inc. Gerald Siciliano Studio Design Associates Jon Hair Studio of Fine Art LLC Modern Art Foundry O.K. Foundry Co., Inc.

#### Sculpture, Garden

Architectural Pottery Authentic Provence, Inc. Boston Valley Terra Cotta DMS Studios Florentine Craftsmen, Inc. Gerald Siciliano Studio Design Associates Goodwin International Haddonstone (USA), Ltd. Jon Hair Studio of Fine Art LLC Kenneth Lynch & Sons, Inc. Rosetta Studio The Sculpture Foundation Traditional Cut Stone, Ltd. Tuscan Imports

#### Art Glass, Cut/Engraved

Bovard Studio, Inc. Judson Studios Michael Davis Stained Glass Neumann Studios

Furniture Hardware Architectural Products by Outwater, LLC Brusso Inc. Craftsmen Hardware Co. E.R. Butler & Co. House of Antique Hardware Maguire Iron Corp.

Furniture, Custom European Iron Works Florentine Craftsmen, Inc.

Gaby's Shoppe Khechoyan's Carvings & Tools, LLC Canning Studios Conrad Schmitt Studios, Inc. Designs in Tile EverGreene Painting Studios, Inc. Fishman Mosaics Lynne Rutter Murals & Decorative Painting No 9 Studio UK Peck Studios Rambusch Decorating Co. Warner Bros. Studio Facilities

**Sculpture Conservation** See Conservation Services, Sculpture, in Section 14 Sculpture, Standard Designs DMS Studios Gerald Siciliano Studio Design Associates Haddonstone (USA), Ltd. Jon Hair Studio of Fine Art LLC Rosetta Studio The Sculpture Foundation

Window Treatments Decorative Hardware Studio Van Dyke's Restorers

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.



#### **Capitals, Antique Original**

Aurora Mills Architectural Salvage Eagle Creek Designs, Inc. Pinch of the Past Saint-Jacques Artisans Workshops

#### **Capitals, Carved Stone**

Architectural Stone Masonry Cantera Especial Canterland of Mexico DMS Studios Dreamcatcher Imports, Inc. Gerald Siciliano Studio Design Associates Saint-Jacques Artisans Workshops Stone Decora

#### Capitals, Carved Wood

1.800.COLUMNS Agrell Architectural Carving Ltd. Architectural Products by Outwater, LLC Chadsworth Columns Columns.com Cumberland Woodcraft Co. Goodwin Associates Khechoyan's Carvings & Tools, LLC Michael A. Dow - Woodcarver Saint-Jacques Artisans Workshops White River Hardwoods-Woodworks Wilbur, Frederick - Woodcarver Woodline Co.

#### **Capitals, Cast Metal**

Architectural Iron Co. DeAngelis Iron Work, Inc. Dreamcatcher Imports, Inc. Historical Arts & Casting, Inc. Michigan Ornamental Metals Saint-Jacques Artisans Workshops Steptoe & Wife Antiques Ltd. Wiemann Ironworks

#### **Capitals, Cast Stone**

A&M Victorian Decorations, Inc. Architectural Reproductions by Timeless Columns.com Dreamcatcher Imports, Inc. Haddonstone (USA), Ltd. Pacific Columns

#### **Capitals, Fabricated Metal**

Architectural Iron Co. Architectural Products by Outwater, LLC DeAngelis Iron Work, Inc. Dreamcatcher Imports, Inc. Michigan Ornamental Metals Steptoe & Wife Antiques Ltd.

#### **Capitals**, Fiberglass

Architectural Detail Corp. Architectural Fiberglass Corp. Architectural Reproductions by Timeless Columns.com Dreamcatcher Imports, Inc. Fiberglass Specialties, Inc. Goodwin Associates Manor Style, Inc. Pagliacco Turning & Milling

#### Capitals, Polymer

Architectural Fiberglass Corp. Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Aristone Designs, Inc. Columns.com Goodwin Associates Manor Style, Inc. Pagliacco Turning & Milling

#### Capitals, Polymer-Modified Gypsum Columns.com

#### Capitals, Polymer/Stone

Architectural Reproductions by Timeless Chadsworth Columns Columns.com Dreamcatcher Imports, Inc. Manor Style, Inc.

#### **Columns, Antique Original**

Eagle Creek Designs, Inc. Pinch of the Past

#### Columns, Cast Metal

Agrell Architectural Carving Ltd. Architectural Iron Co. Campbellsville Industries, Inc. DeAngelis Iron Work, Inc. Dreamcatcher Imports, Inc. Historical Arts & Casting, Inc. Michigan Ornamental Metals Robinson Iron Corp. Saint-Jacques Artisans Workshops Steptoe & Wife Antiques Ltd. Wiemann Ironworks

#### **Columns, Cast Stone**

A&M Victorian Decorations, Inc. Architectural Pottery Cantera Especial Canterland of Mexico Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. Haddonstone (USA), Ltd. Pacific Columns Stone Decora Towne House Restorations

#### Columns, Exterior

1.800.COLUMNS A&M Victorian Decorations, Inc. Architectural Detail Corp. Architectural Fiberglass Corp. Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Architectural Stone Masonry Boston Valley Terra Cotta Campbellsville Industries, Inc. Chadsworth Columns Columns.com Dreamcatcher Imports, Inc. **Goodwin Associates** Manor Style, Inc. Michigan Ornamental Metals Pagliacco Turning & Milling

## Columns, Fabricated Metal

Architectural Iron Co.

Dreamcatcher Imports, Inc. Fiberglass Specialties, Inc. Goodwin Associates Manor Style, Inc. Pagliacco Turning & Milling Seal Reinforced Fiberglass, Inc. Warner Bros. Studio Facilities

#### Columns, Interior

1.800.COLUMNS A&M Victorian Decorations, Inc. Architectural Detail Corp. Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Chadsworth Columns Columns.com Goodwin Associates Manor Style, Inc. MWT Custom Wood Working, LLC Pagliacco Turning & Milling

#### Columns, Plaster

1.800.COLUMNS A&M Victorian Decorations, Inc. Decorators Supply Corp. Warner Bros. Studio Facilities

#### Columns, Polymer

1.800.COLUMNS Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Columns.com Flex Moulding, Inc. Goodwin Associates Manor Style, Inc. Pacific Columns

#### Columns, Polymer-Modified Gypsum

Warner Bros. Studio Facilities

#### Columns, Polymer/Stone

1.800.COLUMNS Chadsworth Columns Columns.com Goodwin Associates Manor Style, Inc. Towne House Restorations

#### Columns, Solid Wood

Architectural Reproductions by Timeless Campbellsville Industries, Inc. Carlson's Barnwood Co. Goodwin Associates MWT Custom Wood Working, LLC Pagliacco Turning & Milling Saint-Jacques Artisans Workshops Woodline Co.

#### **Columns, Turned Stone**

Cantera Especial Canterland of Mexico DMS Studios Saint-Jacques Artisans Workshops Stone Decora Traditional Cut Stone, Ltd.

#### Columns, Wood Stavework

Chadsworth Columns

Goodwin Associates

Columns.com

1.800.COLUMNS Architectural Reproductions by Timeless

Fagan Design & Fabrication, Inc.

#### Bridges

See Section 9

#### Conservatories, Custom

Classy Glass Structures Glass House, LLC Oak Leaf Conservatories of York Renaissance Conservatories Saint-Jacques Artisans Workshops Solar Innovations, Inc. Tanglewood Conservatories Town & Country Conservatories Under Glass Mfg. Corp.

#### **Conservatories, Standard Designs**

Dalton Pavilions, Inc. Glass House, LLC Renaissance Conservatories Solar Innovations, Inc. Tanglewood Conservatories Under Glass Mfg. Corp.

#### Follies

Haddonstone (USA), Ltd.

#### **Garden Houses**

Classy Glass Structures Country Carpenters, Inc. Dalton Pavilions, Inc. Oak Leaf Conservatories of York Renaissance Conservatories Tanglewood Conservatories Town & Country Conservatories

#### Gazebos, Custom

Authentic Provence, Inc. Columbia Equipment Co., Inc. Cumberland Woodcraft Co. Dreamcatcher Imports, Inc. Fiberglass Specialties, Inc. Florentine Craftsmen, Inc. Historical Arts & Casting, Inc. Poligon Div., W.H. Porter Robinson Iron Corp. Saint-Jacques Artisans Workshops Steptoe & Wife Antiques Ltd. Tanglewood Conservatories Wiemann Ironworks

#### Gazebos, Standard Designs

A&M Victorian Decorations, Inc. Cumberland Woodcraft Co. Dalton Pavilions, Inc. Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. Poligon Div., W.H. Porter Tanglewood Conservatories

#### Greenhouses, Custom

Classy Glass Structures Extrutech Plastics, Inc. Glass House, LLC Oak Leaf Conservatories of York Renaissance Conservatories Solar Innovations, Inc. Tanglewood Conservatories Town & Country Conservatories Under Glass Mfg. Corp.

Warner Bros. Studio Facilities

Capitals, Gypsum

**Goodwin Associates** 

#### **Capitals**, Plaster

A&M Victorian Decorations, Inc. Aristone Designs, Inc. Columns.com Decorators Supply Corp. Goodwin Associates Pagliacco Turning & Milling Warner Bros. Studio Facilities Architectural Products by Outwater, LLC DeAngelis Iron Work, Inc. Dreamcatcher Imports, Inc. Michigan Ornamental Metals Steptoe & Wife Antiques Ltd.

Columns, Fiberglass 1.800.COLUMNS Architectural Detail Corp. Architectural Fiberglass Corp. Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Campbellsville Industries, Inc. Columns.com



Pagliacco Turning & Milling

Barns See Section 18 Greenhouses, Standard Designs Dalton Pavilions, Inc. Glass House, LLC Renaissance Conservatories Solar Innovations, Inc. Tanglewood Conservatories Under Glass Mfg. Corp.

Under Glass Mfg. Corp. Orangeries Classy Glass Structures Dalton Pavilions, Inc. Oak Leaf Conservatories of York

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

#### Pavilions

Dalton Pavilions, Inc. Historical Arts & Casting, Inc. Poligon Div., W.H. Porter Tanglewood Conservatories Town & Country Conservatories

#### Pergolas

See Section 9

#### **Pool Houses**

Classy Glass Structures Country Carpenters, Inc. Oak Leaf Conservatories of York Renaissance Conservatories Solar Innovations, Inc. Tanglewood Conservatories Town & Country Conservatories

#### Salvaged Buildings

See Section 16

#### Sunrooms

See Conservatories

#### Doors, Windows, Shutters & Hardware

#### **Barn Door Hardware**

Acorn Forged Iron Ball & Ball Hardware Carlson's Barnwood Co. Eagle Creek Designs, Inc. Fagan's Forge James Peters & Son, Inc. Kayne & Son Custom Hardware, Inc. Richards-Wilcox, Inc. Wm. J. Rigby Co.

#### **Cabinet Hardware**

Acorn Forged Iron Al Bar-Wilmette Platers Architectural Products by Outwater, LLC Architectural Resource Center Ball & Ball Hardware Bathroom Machineries, DEA Brusso Inc. Craftsmen Hardware Co. Crown City Hardware Co. **Decorative Hardware Studio** E.R. Butler & Co. Fagan's Forge Guerin, P.E. Maguire Iron Corp. Notting Hill Decorative Hardware Rejuvenation Signature Hardware Van Dyke's Restorers

#### Door Hardware, Antique Original

Al Bar-Wilmette Platers Architectural Heritage, Inc. Aurora Mills Architectural Salvage Authentic Provence, Inc. Ball & Ball Hardware Baltica Brandt, Sylvan Carlson's Barnwood Co.

#### Ball & Ball Hardware Baltica Bathroom Machineries, DEA Craftsmen Hardware Co. Crown City Hardware Co. Custom Trades International, Inc. Decorative Hardware Studio E.R. Butler & Co. Guerin, P.E. Historical Arts & Casting, Inc. House of Antique Hardware Kayne & Son Custom Hardware, Inc. Maguire Iron Corp. Reiuvenation

House of Antique Hardw Kayne & Son Custom Ha Maguire Iron Corp. Rejuvenation Signature Hardware Strybuc Industries The Nanz Company Van Dyke's Restorers Von Morris Corp. Wiemann Ironworks Wm. J. Rigby Co.

#### Door Hardware, Cast Iron

Acorn Forged Iron Al Bar-Wilmette Platers Architectural Resource Center Ball & Ball Hardware Bathroom Machineries, DEA Brandt, Sylvan Crown City Hardware Co. E.R. Butler & Co. Guerin, P.E. Historical Arts & Casting, Inc. House of Antique Hardware Maguire Iron Corp. Signature Hardware Strybuc Industries The Nanz Company Von Morris Corp. Wm. J. Rigby Co. Wright Co., John

#### **Door Hardware, Custom**

Al Bar-Wilmette Platers Ball & Ball Hardware Baltica Craftsmen Hardware Co. Decorative Hardware Studio Fagan's Forge Kayne & Son Custom Hardware, Inc. Maguire Iron Corp. Richards-Wilcox, Inc. Wiemann Ironworks

#### Door Hardware, Glass

Al Bar-Wilmette Platers Architectural Products by Outwater, LLC Ball & Ball Hardware House of Antique Hardware Rejuvenation The Nanz Company Wm. J. Rigby Co.

#### **Door Hardware, Nickel**

Al Bar-Wilmette Platers Ball & Ball Hardware Baltica Crown City Hardware Co. Decorative Hardware Studio Crown City Hardware Co. E.R. Butler & Co. Guerin, P.E. House of Antique Hardware Rejuvenation Signature Hardware The Nanz Company Wm. J. Rigby Co.

#### **Door Hardware, Reproduction Services**

Acorn Forged Iron Al Bar-Wilmette Platers Architectural Resource Center Ball & Ball Hardware Craftsmen Hardware Co. Crown City Hardware Co. Decorative Hardware Studio E.R. Butler & Co. Fagan's Forge Guerin, P.E. Kayne & Son Custom Hardware, Inc. Richards-Wilcox, Inc. Strybuc Industries The Nanz Company Wright Co., John

#### **Door Hardware, Standard Designs**

Al Bar-Wilmette Platers Architectural Products by Outwater, LLC Ball & Ball Hardware Bathroom Machineries, DEA Decorative Hardware Studio Kayne & Son Custom Hardware, Inc. Richards-Wilcox, Inc. Van Dyke's Restorers

#### Door Hardware, Wrought Iron

Acorn Forged Iron Al Bar-Wilmette Platers Ball & Ball Hardware Crown City Hardware Co. D.J.A. Imports, Ltd. E.R. Butler & Co. **European Iron Works** Fagan's Forge Guerin, P.E. House of Antique Hardware Kayne & Son Custom Hardware, Inc. Maguire Iron Corp. Richards-Wilcox, Inc. Scottsdale Art Factory Signature Hardware Strybuc Industries The Nanz Company Wm. J. Rigby Co.

#### Entryways, Metal

European Iron Works Historical Arts & Casting, Inc. Wiemann Ironworks

#### Entryways, Wood

Architectural Components, Inc. Architectural Products by Outwater, LLC Bergerson Cedar Windows, Inc. Bovard Studio, Inc. Grabill Windows & Doors Hahn's Woodworking Co., Inc. Historic Doors James Peters & Son, Inc. Jim Illingworth Millwork, LLC Woodstone Co., The Wright Co., John Zeluck Doors & Windows

Garage Doors, Sectional Hahn's Woodworking Co., Inc. Jim Illingworth Millwork, LLC Woodstone Co., The

Woodstone Co., The Zeluck Doors & Windows

#### **Garage Doors, Sliding**

Hahn's Woodworking Co., Inc. Woodstone Co., The Zeluck Doors & Windows

Gate Hardware See Section 9

#### Glass, Architectural

Circle Redmont, Inc. Lehmann Glass Studio Michael Davis Stained Glass Neumann Studios Williams Stained Glass

Glass, Art

See Art Glass in Section 1

Glass, Bull's Eye

Circle Redmont, Inc. Michael Davis Stained Glass Neumann Studios Williams Stained Glass

#### **Glass**, Clear

Circle Redmont, Inc. Michael Davis Stained Glass Neumann Studios Williams Stained Glass

**Glass, Curved & Slumped** 

Michael Davis Stained Glass Neumann Studios Williams Stained Glass

#### **Glass**, Custom

Circle Redmont, Inc. Lehmann Glass Studio Michael Davis Stained Glass Neumann Studios

#### **Glass, Historical Replicas**

Bendheim Glass Co. Circle Redmont, Inc. Lehmann Glass Studio Michael Davis Stained Glass Neumann Studios Williams Stained Glass

Glass, Insulated Circle Redmont, Inc.

Williams Stained Glass

#### **Hardware Restoration**

Al Bar-Wilmette Platers Ball & Ball Hardware Crown City Hardware Co.

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Decorative Hardware Studio Eagle Creek Designs, Inc. House of Antique Hardware Kayne & Son Custom Hardware, Inc. Pinch of the Past Rejuvenation Richards-Wilcox, Inc. Wm. J. Rigby Co.

#### Door Hardware, Brass & Bronze

Al Bar-Wilmette Platers Architectural Products by Outwater, LLC Architectural Resource Center Authentic Provence, Inc. E.R. Butler & Co. Guerin, P.E. House of Antique Hardware Rejuvenation Signature Hardware Strybuc Industries The Nanz Company Wm. J. Rigby Co.

Door Hardware, Porcelain Al Bar-Wilmette Platers Ball & Ball Hardware Bathroom Machineries, DEA

Brandt, Sylvan

Jim Illingworth Millwork, LLC Kingsland Co. Doors Maurer & Shepherd, Joyners Moulding Associates, Inc. (MAi) Scottsdale Art Factory Tidewater Millwork Woodstone Co., The Zeluck Doors & Windows

#### Furniture Hardware See Section 1

Garage Doors, Out-Swing Hahn's Woodworking Co., Inc. Decorative Hardware Studio E.R. Butler & Co. Fagan's Forge Guerin, P.E. Historical Arts & Casting, Inc. Wm. J. Rigby Co.

Metal Door Restoration Historical Arts & Casting, Inc. Restoric, LLC Wiemann Ironworks

Metal Doors, Aluminum Historical Arts & Casting, Inc.

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

REBCO, Inc. Solar Innovations, Inc. Wiemann Ironworks

#### **Metal Doors, Bronze**

Historical Arts & Casting, Inc. Saint-Jacques Artisans Workshops Wiemann Ironworks

#### **Metal Doors, Custom**

Allen Architectural Metals, Inc. European Iron Works Historical Arts & Casting, Inc. REBCO, Inc. Saint-Jacques Artisans Workshops Solar Innovations, Inc. Wiemann Ironworks

#### **Metal Doors, Steel**

Saint-Jacques Artisans Workshops Torrance Steel Window Co. Wiemann Ironworks

#### **Metal Window Restoration**

Historical Arts & Casting, Inc. Restoric, LLC Seekircher Steel Window Repair Corp.

#### Metal Windows, Aluminum

Historical Arts & Casting, Inc. REBCO, Inc. Solar Innovations, Inc. Wiemann Ironworks

#### Metal Windows, Bronze Historical Arts & Casting, Inc. Wiemann Ironworks

#### **Metal Windows, Custom**

Historical Arts & Casting, Inc. Saint-Jacques Artisans Workshops Solar Innovations, Inc. Wiemann Ironworks

#### **Metal Windows, Steel**

Saint-Jacques Artisans Workshops Seekircher Steel Window Repair Corp. Torrance Steel Window Co. Wiemann Ironworks

#### Screen Doors, Metal

Solar Innovations, Inc.

#### Screen Doors, Wood

Architectural Components, Inc. Bergerson Cedar Windows, Inc. Coppa Woodworking Cumberland Woodcraft Co. Custom Trades International, Inc. Grabill Windows & Doors Jim Illingworth Millwork, LLC Vintage Woodworks Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### Screens, Window

Allied Window, Inc. Architectural Components, Inc. Bergerson Cedar Windows, Inc. E.R. Butler & Co. Fagan's Forge Guerin, P.E. House of Antique Hardware James Peters & Son, Inc. Kayne & Son Custom Hardware, Inc. Kingsland Co. Shutters Maguire Iron Corp. Shuttercraft, Inc. Strybuc Industries Timberlane, Inc. Vixen Hill Shutters Wright Co., John

#### Shutters, Exterior

Architectural Products by Outwater, LLC Copper Moon Woodworks Custom Shutter Company Extrutech Plastics, Inc. Kingsland Co. Shutters Shuttercraft, Inc. The Shutter Depot Timberlane, Inc. Vixen Hill Shutters

#### Shutters, Interior

Architectural Products by Outwater, LLC Custom Shutter Company Extrutech Plastics, Inc. Hahn's Woodworking Co., Inc. Kingsland Co. Shutters Shuttercraft, Inc. The Shutter Depot Timberlane, Inc. Vixen Hill Shutters

#### Storm Doors, Metal

Cityproof Windows Historical Arts & Casting, Inc.

#### Storm Doors, Wood

Architectural Components, Inc. Bergerson Cedar Windows, Inc. Coppa Woodworking Cumberland Woodcraft Co. Custom Trades International, Inc. Grabill Windows & Doors Jim Illingworth Millwork, LLC Vintage Woodworks Wood Window Workshop

#### Storm Windows, Exterior

Allied Window, Inc. Architectural Components, Inc. Bergerson Cedar Windows, Inc. Climate Seal Coppa Woodworking Custom Trades International, Inc. Grabill Windows & Doors Historical Arts & Casting, Inc. Jim Illingworth Millwork, LLC Marvin Windows and Doors Mon-Ray, Inc. New England Storms Wood Window Workshop

#### Storm Windows, Interior

Allied Window, Inc. Architectural Components, Inc. Strybuc Industries The Nanz Company

#### Window Hardware, Custom

Ball & Ball Hardware Baltica Crown City Hardware Co. E.R. Butler & Co. Fagan's Forge Guerin, P.E. Historical Arts & Casting, Inc. Kayne & Son Custom Hardware, Inc. The Nanz Company

#### Window Hardware, Sash Chain

Architectural Resource Center House of Antique Hardware Phelps Company Strybuc Industries The Nanz Company Wm. J. Rigby Co.

#### Window Hardware, Sash Lifts

Architectural Resource Center Ball & Ball Hardware Bathroom Machineries, DEA Crown City Hardware Co. E.R. Butler & Co. Guerin, P.E. House of Antique Hardware Maguire Iron Corp. Phelps Company Rejuvenation Signature Hardware Strybuc Industries The Nanz Company Van Dyke's Restorers Wm. J. Rigby Co.

#### Window Hardware, Sash Locks

Architectural Resource Center Ball & Ball Hardware Bathroom Machineries, DEA Crown City Hardware Co. E.R. Butler & Co. Guerin, P.E. House of Antique Hardware Kayne & Son Custom Hardware, Inc. Maguire Iron Corp. Phelps Company Rejuvenation Signature Hardware Strybuc Industries The Nanz Company Wm. J. Rigby Co.

#### Window Hardware, Sash Pulleys

Architectural Resource Center Bathroom Machineries, DEA Crown City Hardware Co. E.R. Butler & Co. Guerin, P.E. House of Antique Hardware Phelps Company Strybuc Industries The Nanz Company Wm. J. Rigby Co.

#### Window Hardware, Sash Weights

Van Dyke's Restorers Wm. J. Rigby Co.

#### Window Restoration Materials

Abatron, Inc. Grabill Windows & Doors Jim Illingworth Millwork, LLC Parrett Windows

Window Restoration Services

See Metal Windows; Wood Windows

Window Treatments See Section 1

#### Window Trim, Metal

Historical Arts & Casting, Inc. Pacific Columns

#### Window Trim, Polymer

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Cumberland Woodcraft Co. Extrutech Plastics, Inc. Flex Moulding, Inc. Pacific Columns Vintage Woodworks

#### Window Trim, Wood

Architectural Components, Inc. Architectural Products by Outwater, LLC Bergerson Cedar Windows, Inc. Cumberland Woodcraft Co. Custom Trades International, Inc. Grabill Windows & Doors Jim Illingworth Millwork, LLC Pacific Columns Vintage Woodworks Wightman Specialty Woods Wood Window Workshop

#### Wood Door Restoration

Allegheny Restoration & Builders, Inc. Bergerson Cedar Windows, Inc. Grabill Windows & Doors Hahn's Woodworking Co., Inc. Historic Doors Old Town Repair Parrett Windows Restoric, LLC Saint-Jacques Artisans Workshops

#### Wood Doors, Custom

Architectural Components, Inc. Bergerson Cedar Windows, Inc. Cumberland Woodcraft Co. Custom Trades International, Inc. Grabill Windows & Doors Hahn's Woodworking Co., Inc. **Historic Doors** J.S. Benson Woodworking & Design Jim Illingworth Millwork, LLC Khechoyan's Carvings & Tools, LLC Kingsland Co. Doors Maurer & Shepherd, Joyners Parrett Windows Saint-Jacques Artisans Workshops Scottsdale Art Factory Williams Stained Glass

Coppa Woodworking Custom Trades International, Inc. Grabill Windows & Doors Innerglass Window Systems Solar Innovations, Inc. Strybuc Industries Wood Window Workshop

#### Shutter Hardware

Acorn Forged Iron Architectural Products by Outwater, LLC Ball & Ball Hardware Copper Moon Woodworks Crown City Hardware Co. Custom Shutter Company Cityproof Windows Coppa Woodworking Custom Trades International, Inc. Grabill Windows & Doors Historical Arts & Casting, Inc. Innerglass Window Systems Jim Illingworth Millwork, LLC Marvin Windows and Doors Mon-Ray, Inc. Wood Window Workshop

Window Hardware, Balance Systems Custom Trades International, Inc. House of Antique Hardware Architectural Iron Co. Architectural Resource Center House of Antique Hardware Phelps Company Strybuc Industries The Nanz Company

#### Window Hardware, Standard Designs

Architectural Resource Center Ball & Ball Hardware Bathroom Machineries, DEA Maguire Iron Corp. Phelps Company Strybuc Industries The Nanz Company Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### Wood Doors, Exterior

Architectural Components, Inc. Bergerson Cedar Windows, Inc. Cumberland Woodcraft Co. Custom Trades International, Inc. Grabill Windows & Doors Hahn's Woodworking Co., Inc. Historic Doors J.S. Benson Woodworking & Design Jim Illingworth Millwork, LLC Kingsland Co. Doors

#### FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

Williams Stained Glass Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### Wood Doors, Historical Replicas

Architectural Components, Inc. Bergerson Cedar Windows, Inc. Custom Trades International, Inc. Grabill Windows & Doors Hahn's Woodworking Co., Inc. **Historic Doors** J.S. Benson Woodworking & Design Jim Illingworth Millwork, LLC Kingsland Co. Doors Maurer & Shepherd, Joyners Parrett Windows Saint-Jacques Artisans Workshops **Tidewater Millwork** Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### **Wood Doors, Interior**

Antique Lumber Co. Architectural Components, Inc. Brandt, Sylvan Cumberland Woodcraft Co. Custom Trades International, Inc. Historic Doors Jim Illingworth Millwork, LLC Kingsland Co. Doors Maurer & Shepherd, Joyners Moulding Associates, Inc. (MAi) Tidewater Millwork Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### Wood Doors, Standard Designs

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Bergerson Cedar Windows, Inc. Grabill Windows & Doors Hahn's Woodworking Co., Inc. J.S. Benson Woodworking & Design Jim Illingworth Millwork, LLC Tidewater Millwork

#### Wood Doors, Stile & Rail

Architectural Components, Inc. Bergerson Cedar Windows, Inc. Custom Trades International, Inc. Grabill Windows & Doors Hahn's Woodworking Co., Inc. Historic Doors

J.S. Benson Woodworking & Design Jim Illingworth Millwork, LLC Maurer & Shepherd, Joyners Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### **Wood Window Restoration**

Allegheny Restoration & Builders, Inc. Bergerson Cedar Windows, Inc. De Groot Historical Restoration, Inc. Grabill Windows & Doors Historic Doors J.S. Benson Woodworking & Design Jim Illingworth Millwork, LLC J.S. Benson Woodworking & Design Jim Illingworth Millwork, LLC Khechoyan's Carvings & Tools, LLC Kingsland Co. Doors Marvin Windows and Doors Maurer & Shepherd, Joyners Parrett Windows Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### Wood Windows, Historical Replicas

Allegheny Restoration & Builders, Inc. Architectural Components, Inc. Bergerson Cedar Windows, Inc. Custom Trades International, Inc. Fenestra America Grabill Windows & Doors **Historic Doors** J.S. Benson Woodworking & Design Jim Illingworth Millwork, LLC Kingsland Co. Doors Marvin Windows and Doors Maurer & Shepherd, Joyners Parrett Windows Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### Wood Windows, Metal Clad

Custom Trades International, Inc. Fenestra America Grabill Windows & Doors Marvin Windows and Doors Parrett Windows Weather Shield Mfg. Co.

#### Wood Windows, Polymer Clad Fenestra America Weather Shield Mfg. Co.

#### Wood Windows, Premium Grade

Custom Trades International, Inc. Fenestra America Grabill Windows & Doors Maurer & Shepherd, Joyners Weather Shield Mfg. Co. Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### Wood Windows, Special Shapes

Architectural Components, Inc. Bergerson Cedar Windows, Inc. Custom Trades International, Inc. Fenestra America Grabill Windows & Doors J.S. Benson Woodworking & Design Kingsland Co. Doors Marvin Windows and Doors Maurer & Shepherd, Joyners Parrett Windows Wood Window Workshop Woodstone Co., The Zeluck Doors & Windows

#### Wood Windows, Standard Designs

Architectural Components, Inc. Bergerson Cedar Windows, Inc.



#### **Balustrades, Cast Metal**

Architectural Iron Co. Historical Arts & Casting, Inc. Saint-Jacques Artisans Workshops Steptoe & Wife Antiques Ltd. Wiemann Ironworks

#### **Balustrades, Cast Stone**

A&M Victorian Decorations, Inc. Architectural Reproductions by Timeless Cantera Especial Canterland of Mexico Haddonstone (USA), Ltd. Stone Decora Towne House Restorations

#### **Balustrades, Fabricated Metal**

Architectural Iron Co. Campbellsville Industries, Inc. Fine Architectural Metalsmiths NIKO Contracting Co., Inc. Ornametals, LLC Steptoe & Wife Antiques Ltd. Warner Bros. Studio Facilities Wiemann Ironworks

#### **Balustrades, Fabricated Stone**

Boston Valley Terra Cotta Cantera Especial Canterland of Mexico DMS Studios Gladding, McBean - Div. of Pacific Coast Bldg. Saint-Jacques Artisans Workshops Stone Decora Traditional Cut Stone, Ltd.

#### **Balustrades**, Fiberglass

Architectural Detail Corp. Architectural Fiberglass Corp. Architectural Reproductions by Timeless Columns.com Fiberglass Specialties, Inc. Manor Style, Inc.

#### **Balustrades**, Polymer

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless AZEK Building Products, Inc. Columns.com Goodwin Associates Manor Style, Inc.

#### **Balustrades, Thin-Shell Composites**

Architectural Fiberglass Corp. Architectural Reproductions by Timeless Columns.com

#### **Balustrades**, Wood

Goodwin Associates Jim Illingworth Millwork, LLC Pagliacco Turning & Milling Vintage Woodworks

Bird- & Pest-Control Products

Architectural Reproductions by Timeless AZEK Building Products, Inc. Century Architectural Specialties Felber Ornamental Plastering Corp. Goodwin Associates Manor Style, Inc. Vintage Woodworks

#### Brackets, Wood

Agrell Architectural Carving Ltd. Architectural Products by Outwater, LLC Cumberland Woodcraft Co. Goodwin Associates Jim Illingworth Millwork, LLC Vintage Woodworks

#### **Cast-Stone Exterior Elements**

A&M Victorian Decorations, Inc. Cantera Especial Canterland of Mexico Haddonstone (USA), Ltd. Kenneth Lynch & Sons, Inc. Stone Decora Towne House Restorations

#### **Cast-Stone Exterior Ornament**

A&M Victorian Decorations, Inc. Florentine Craftsmen, Inc. Haddonstone (USA), Ltd.

#### **Decking**, Polymer

AZEK Building Products, Inc. Extrutech Plastics, Inc.

#### **Decking, Recycled Plastic**

Architectural Products by Outwater, LLC

#### Decking, Rot-Resistant Composites Extrutech Plastics, Inc.

Decking, Rot-Resistant Wood Wightman Specialty Woods

#### **Exterior Carved Ornament**

Architectural Stone Masonry DMS Studios Saint-Jacques Artisans Workshops Traditional Cut Stone, Ltd.

#### Exterior Cornices, Cast Stone A&M Victorian Decorations, Inc. Haddonstone (USA), Ltd.

Exterior Cornices, Fabricated Stone DMS Studios Saint-Jacques Artisans Workshops

#### **Exterior Cornices, Fiberglass**

Architectural Detail Corp. Architectural Fiberglass Corp. Fiberglass Specialties, Inc. Goodwin Associates Manor Style, Inc. Seal Reinforced Fiberglass, Inc.

**Exterior Cornices, Sheet Metal** 

C&J Metal Products Campbellsville Industries, Inc. NIKO Contracting Co., Inc. Ornametals, LLC Saint-Jacques Artisans Workshops

Marvin Windows and Doors Old Town Repair Parrett Windows Weather Shield Mfg. Co. Woodstone Co., The Zeluck Doors & Windows

Wood Windows, Custom Architectural Components, Inc. Bergerson Cedar Windows, Inc. Custom Trades International, Inc. De Groot Historical Restoration, Inc. Fenestra America Grabill Windows & Doors Historic Doors Fenestra America Grabill Windows & Doors Kingsland Co. Doors Marvin Windows and Doors Parrett Windows

5 Elevators, Lifts & Dumbwaiters

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Brackets, Composite Architectural Products by Outwater, LLC Decorators Supply Corp.

#### **Brackets**, Fiberglass

Architectural Detail Corp. Architectural Fiberglass Corp. Goodwin Associates Warner Bros. Studio Facilities

Brackets, Polymer Architectural Products by Outwater, LLC Exterior Cornices, Thin-Shell Composites A&M Victorian Decorations, Inc. Architectural Fiberglass Corp.

Exterior Cornices, Wood Jim Illingworth Millwork, LLC Vintage Woodworks

Exterior Molded Ornament A&M Victorian Decorations, Inc. Architectural Fiberglass Corp.

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Boston Valley Terra Cotta Columns.com Cumberland Woodcraft Co. Felber Ornamental Plastering Corp. Flex Moulding, Inc. Florentine Craftsmen, Inc. Goodwin Associates Haddonstone (USA), Ltd. Manor Style, Inc. Towne House Restorations Warner Bros. Studio Facilities

#### Exterior Molded Ornament, Custom Casting

A&M Victorian Decorations, Inc. Architectural Fiberglass Corp. Fiberglass Specialties, Inc. Goodwin Associates Haddonstone (USA), Ltd. Manor Style, Inc. Saint-Jacques Artisans Workshops Towne House Restorations Warner Bros. Studio Facilities

#### Exterior Molded Ornament, Custom Models & Moldmaking

Abatron, Inc. Architectural Fiberglass Corp. Ball Consulting, Ltd. Warner Bros. Studio Facilities

#### **Exterior Polymer Millwork**

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless AZEK Building Products, Inc. Century Architectural Specialties Columns.com Extrutech Plastics, Inc. Manor Style, Inc. Vintage Woodworks

#### **Fiberglass Architectural Elements**

Architectural Detail Corp. Architectural Fiberglass Corp. Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Aristone Designs, Inc. Century Architectural Specialties Fiberglass Specialties, Inc. Goodwin Associates Seal Reinforced Fiberglass, Inc. Warner Bros. Studio Facilities

#### Fiberglass, Custom

Architectural Detail Corp. Architectural Fiberglass Corp. Fiberglass Specialties, Inc. Goodwin Associates Manor Style, Inc. Seal Reinforced Fiberglass, Inc. Warner Bros. Studio Facilities

#### **Gilding Services, Exterior**

Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. Peck Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. Peck Studios

Paint Strippers, Exterior See Masonry Paint Strippers in Section 17

Paints, Exterior

Sepp Leaf Products, Inc.

#### Porch Parts, Polymer

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless AZEK Building Products, Inc. Cumberland Woodcraft Co.

#### Porch Parts, Wood

Architectural Products by Outwater, LLC Cumberland Woodcraft Co. Fagan Design & Fabrication, Inc. Jim Illingworth Millwork, LLC MWT Custom Wood Working, LLC Pagliacco Turning & Milling

Siding, Clapboard

Chestnut Specialists, Inc. Wightman Specialty Woods

Siding, Quartersawn East Teak Fine Hardwoods, Inc.

Siding, Shingles East Teak Fine Hardwoods, Inc. Vintage Woodworks

#### Siding, Wood Substitutes Architectural Products by Outwater, LLC Extrutech Plastics, Inc.

Stains, Exterior Sepp Leaf Products, Inc. Vermont Natural Coatings

#### 7 Flooring

Floor Coatings & Finishes T. Morton & Co. Custom Wood Flooring

Non-Wood Flooring, Flagstone Architectural Stone Masonry Champlain Stone, Ltd.

Non-Wood Flooring, Marble Architectural Stone Masonry

Non-Wood Flooring, Mosaic American Restoration Tile, Inc. Architectural Stone Masonry Designs in Tile Fishman Mosaics

Non-Wood Flooring, Slate American Slate Company Architectural Stone Masonry

Non-Wood Flooring, Stone Architectural Stone Masonry Authentic Provence, Inc.

#### Wood Flooring, Antique

Antique Lumber Co. Aurora Mills Architectural Salvage Authentic Wood Floors, Inc. Board and Beam Brandt, Sylvan Carlisle Wide Plank Floors Carlson's Barnwood Co. Chestnut Specialists, Inc. Country Road Associates, Ltd. Craftsman Lumber Co. Eagle Creek Designs, Inc. Iowa Barn Savers Longleaf Lumber, LLC Longwood Antique Woods T. Morton & Co. Custom Wood Flooring What It's Worth

#### Wood Flooring, Bamboo

Longleaf Lumber, LLC

#### Wood Flooring, Hardwood Strip

Antique Lumber Co. Authentic Wood Floors, Inc. East Teak Fine Hardwoods, Inc. Longleaf Lumber, LLC T. Morton & Co. Custom Wood Flooring Wightman Specialty Woods

Wood Flooring, Inlay & Mosaic

Czar Floors Oshkosh Designs

#### Wood Flooring, Parquet

Carlisle Wide Plank Floors Czar Floors Oshkosh Designs T. Morton & Co. Custom Wood Flooring

#### Wood Flooring, Random Width

Antique Lumber Co. Authentic Wood Floors, Inc. Board and Beam Brandt, Sylvan Carlisle Wide Plank Floors Carlson's Barnwood Co. Chestnut Specialists, Inc. Country Road Associates, Ltd. Craftsman Lumber Co. Eagle Creek Designs, Inc. Longleaf Lumber, LLC Longwood Antique Woods T. Morton & Co. Custom Wood Flooring What It's Worth

#### Wood Flooring, Wide Board

Antique Lumber Co. Authentic Wood Floors, Inc. Board and Beam Brandt, Sylvan **Carlisle Wide Plank Floors** Carlson's Barnwood Co. Chestnut Specialists, Inc. Country Road Associates, Ltd. Craftsman Lumber Co. Eagle Creek Designs, Inc. East Teak Fine Hardwoods, Inc. Iowa Barn Savers Longleaf Lumber, LLC Longwood Antique Woods T. Morton & Co. Custom Wood Flooring What It's Worth Wightman Specialty Woods

#### **Brackets**, Polymer

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Century Architectural Specialties Flex Moulding, Inc. Goodwin Associates Manor Style, Inc.

#### Brackets, Polymer-Modified Gypsum

Felber Ornamental Plastering Corp. Goodwin Associates

#### Brackets, Wood

Agrell Architectural Carving Ltd. Architectural Products by Outwater, LLC Jim Illingworth Millwork, LLC Khechoyan's Carvings & Tools, LLC Michael A. Dow - Woodcarver Pagliacco Turning & Milling Van Dyke's Restorers Vintage Woodworks White River Hardwoods-Woodworks Wilbur, Frederick - Woodcarver

#### **Cast-Stone Interior Elements**

A&M Victorian Decorations, Inc. Haddonstone (USA), Ltd. Towne House Restorations

#### **Cast-Stone Interior Ornament**

A&M Victorian Decorations, Inc. Cantera Especial Canterland of Mexico Haddonstone (USA), Ltd. Stone Decora Towne House Restorations

#### Casting, Custom

See Interior Molded Ornament, Custom Casting

#### **Ceiling Domes**

A&M Victorian Decorations, Inc. Architectural Detail Corp. Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Canning Studios Century Architectural Specialties Classic Ceilings EverGreene Painting Studios, Inc. Felber Ornamental Plastering Corp. Goodwin Associates Manor Style, Inc. Williams Stained Glass GUIDEBOO

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#### **Ceiling Medallions**

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Sepp Leaf Products, Inc.

#### **Gilding Supplies**

See also Gilding Supplies in Section 8 Leo Uhlfelder Co. Sepp Leaf Products, Inc.

#### **Paint Analysis Services**

Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc.

#### **Paint Color Consulting**

Canning Studios Color People, The Cantera Especial Champlain Stone, Ltd. Eagle Creek Designs, Inc. Rossi USA Corp.

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

Resilient Flooring, Cork Capri Cork Longleaf Lumber, LLC



#### **Brackets**, Plaster

A&M Victorian Decorations, Inc. Architectural Products by Outwater, LLC Felber Ornamental Plastering Corp. Goodwin Associates White River Hardwoods-Woodworks **Ceilings, Ornamental, Fiberglass** Architectural Detail Corp. Century Architectural Specialties Seal Reinforced Fiberglass, Inc.

Ceilings, Ornamental, Gypsum Above View by Tiles, Inc. Felber Ornamental Plastering Corp. Interact Ceilings

#### Ceilings, Ornamental, Metal American Tin Ceiling Co. Architectural Products by Outwater, LLC Brian Greer's Tin Ceilings, Walls & Unique Metal Work

#### FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

Chelsea Decorative Metal Co. Classic Ceilings Goodwin Associates Michigan Ornamental Metals NIKO Contracting Co., Inc. Pacific Columns Van Dyke's Restorers W.F. Norman Corp.

#### Ceilings, Ornamental, Plaster

Architectural Products by Outwater, LLC Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. Felber Ornamental Plastering Corp. Goodwin Associates Interact Ceilings White River Hardwoods-Woodworks

#### **Ceilings, Ornamental, Polymer**

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Century Architectural Specialties Classic Ceilings Goodwin Associates Manor Style, Inc.

Ceilings, Ornamental, Polymer-Modified Gypsum Above View by Tiles, Inc.

Felber Ornamental Plastering Corp.

#### Ceilings, Ornamental, Wood

Agrell Architectural Carving Ltd. Cumberland Woodcraft Co. Interact Ceilings Khechoyan's Carvings & Tools, LLC 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** American Restoration Tile, Inc. Tile Source, Inc.

Ceramic Tile, Encaustic Designs in Tile Tile Source, Inc.

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#### **Ceramic Tile, Fireplace**

American Restoration Tile, Inc. Designs in Tile Tile Source, Inc.

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

Ceramic Tile, Geometrics & Mosaic

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#### **Ceramic Tile, Pool & Fountain**

American Restoration Tile, Inc. Designs in Tile

#### **Cornice Moldings, Composites**

A&M Victorian Decorations, Inc. Architectural Products by Outwater, LLC Manor Style, Inc.

Cornice Moldings, Gypsum Felber Ornamental Plastering Corp.

#### **Cornice Moldings, Plaster**

A&M Victorian Decorations, Inc. Decorators Supply Corp. Felber Ornamental Plastering Corp. Warner Bros. Studio Facilities

#### **Cornice Moldings, Polymer**

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Century Architectural Specialties Classic Ceilings Cumberland Woodcraft Co. Flex Moulding, Inc. Goodwin Associates Manor Style, Inc. Vintage Woodworks

#### Cornice Moldings, Polymer-Modified Gypsum

Goodwin Associates

#### Cornice Moldings, Wood

Agrell Architectural Carving Ltd. Architectural Products by Outwater, LLC Cumberland Woodcraft Co. East Teak Fine Hardwoods, Inc. Goodwin Associates Jim Illingworth Millwork, LLC Vintage Woodworks White River Hardwoods-Woodworks Wilbur, Frederick - Woodcarver

#### **Decorative Painting Supplies**

See also Paints, Interior Sepp Leaf Products, Inc.

#### **Decorative Painting, Faux Finishes**

A-Art/B. Rasmussen, Ltd. Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. John Tiedemann, Inc. Leo Uhlfelder Co. Lynne Rutter Murals & Decorative Painting Peck Studios Sepp Leaf Products, Inc. Warner Bros. Studio Facilities

#### **Decorative Painting, Graining**

Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. John Tiedemann, Inc. Leo Uhlfelder Co. Lynne Rutter Murals & Decorative Painting

#### **Decorative Painting, Stenciling**

Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. John Tiedemann, Inc. Lynne Rutter Murals & Decorative Painting Peck Studios

#### **Gilding Services, Interior**

A-Art/B. Rasmussen, Ltd. Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. John Tiedemann, Inc. Lynne Rutter Murals & Decorative Painting Peck Studios Sepp Leaf Products, Inc.

#### **Gilding Supplies**

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#### Interior Molded Ornament

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#### Interior Molded Ornament, Custom Casting

A&M Victorian Decorations, Inc. Century Architectural Specialties Felber Ornamental Plastering Corp. Flex Moulding, Inc. Goodwin Associates Haddonstone (USA), Ltd. Manor Style, Inc. Saint-Jacques Artisans Workshops Towne House Restorations Warner Bros. Studio Facilities

#### Interior Molded Ornament, Custom Models & Moldmaking

#### Abatron, Inc.

#### Moldings, Polymer

Architectural Products by Outwater, LLC Architectural Reproductions by Timeless Century Architectural Specialties Classic Ceilings Cumberland Woodcraft Co. Flex Moulding, Inc. Goodwin Associates Manor Style, Inc. Vintage Woodworks

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Plaster American Clay Enterprises, Inc.

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Scagliola EverGreene Painting Studios, Inc.

Stains, Interior Vermont Natural Coatings

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#### **Venetian Plaster**

Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. Sepp Leaf Products, Inc.

Wallcoverings, Anaglypta Architectural Products by Outwater, LLC

Wallcoverings, Embossed Architectural Products by Outwater, LLC

Fishman Mosaics Tile Source, Inc.

#### **Ceramic Tile, Hand Painted**

American Restoration Tile, Inc. Designs in Tile Dutch Delft Tiles by Oudolf Jr. Tile Source, Inc.

Ceramic Tile, Historic Patterns Designs in Tile Dutch Delft Tiles by Oudolf Jr. Tile Source, Inc.

#### Peck Studios

#### **Decorative Painting, Marbleizing**

Canning Studios Conrad Schmitt Studios, Inc. EverGreene Painting Studios, Inc. John Tiedemann, Inc. Leo Uhlfelder Co. Lynne Rutter Murals & Decorative Painting Peck Studios

**Decorative Painting, Murals** See Murals in Section 1 Ball Consulting, Ltd. Canning Studios Century Architectural Specialties EverGreene Painting Studios, Inc. Felber Ornamental Plastering Corp. Warner Bros. Studio Facilities

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#### Wallcoverings, Lincrusta Architectural Products by Outwater, LLC

Wallcoverings, Traditional Adaptations Wightman Specialty Woods

Wallpaper, Borders & Panels Architectural Products by Outwater, LLC Mason & Wolf

Wallpaper, Custom Canning Studios

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

EverGreene Painting Studios, Inc. Mason & Wolf

Wallpaper, Historical Reproductions Mason & Wolf

Wallpaper, Room Sets & Suites Mason & Wolf

Wallpaper, Traditional Adaptations Mason & Wolf

#### **Window Treatments**

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Landscape & Garden Specialties

#### Arbors

1.800.COLUMNS Architectural Products by Outwater, LLC Columns.com Dreamcatcher Imports, Inc. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. Wiemann Ironworks

#### **Benches**

A&M Victorian Decorations, Inc. Allen Architectural Metals, Inc. Architectural Iron Co. Architectural Pottery Architectural Stone Masonry Cantera Especial Canterbury International Canterland of Mexico Champlain Stone, Ltd. Dahlhaus Lighting, Inc. Doty & Sons Concrete Products, Inc. Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. Goodwin International Haddonstone (USA), Ltd. Herwig Lighting Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Jon Hair Studio of Fine Art LLC Kenneth Lynch & Sons, Inc. Oxford Garden Seibert & Rice Stone Decora Wiemann Ironworks

#### **Bridges, Ornamental**

Architectural Stone Masonry Contech Bridge Solutions Inc. Historical Arts & Casting, Inc. Wiemann Ironworks

#### **Bridges, Pedestrian**

Contech Bridge Solutions Inc. Florentine Craftsmen, Inc.

Bridges, Vehicular Contech Bridge Solutions Inc.

Cascades

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Carlson's Barnwood Co. Saint-Jacques Artisans Workshops

#### Fencing, Metal

Architectural Iron Co. Campbellsville Industries, Inc. Dreamcatcher Imports, Inc. **Fine Architectural Metalsmiths** Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Liberty Ornamental Products O.K. Foundry Co., Inc. Schiff Architectural Detail Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc. Wiemann Ironworks

#### Fencing, Wood

Bamboo & Rattan Works, Inc. Carlson's Barnwood Co.

#### Flagpoles

Eder Flag Mfg. Co., Inc. Historical Arts & Casting, Inc.

**Flags & Banners** Eder Flag Mfg. Co., Inc.

#### **Fountain Pumps**

AquaMaster Fountains & Aerators

Fountains, Drinking Designs in Tile

#### Fountains, Floating

AquaMaster Fountains & Aerators Otterbine Barebo, Inc.

#### Fountains, Freestanding

AquaMaster Fountains & Aerators Architectural Pottery Architectural Stone Masonry Authentic Provence, Inc. Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. Goodwin International Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. No 9 Studio UK Robinson Iron Corp. Rossi USA Corp. Schiff Architectural Detail Traditional Cut Stone, Ltd. Waterfall Creations, Inc.

#### Fountains, Pool

AquaMaster Fountains & Aerators Architectural Stone Masonry Authentic Provence, Inc. Florentine Craftsmen, Inc. Haddonstone (USA), Ltd. Kenneth Lynch & Sons, Inc. Rossi USA Corp. Seal Reinforced Fiberglass, Inc. Waterfall Creations, Inc.

#### Fountains, Sculptural

Architectural Stone Masonry

Authentic Provence, Inc. Cantera Especial Canterland of Mexico Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. Robinson Iron Corp. Rossi USA Corp. Schiff Architectural Detail Stone Decora **Tuscan Imports** 

#### Fountains, Wall

A&M Victorian Decorations, Inc. Architectural Pottery Architectural Stone Masonry Authentic Provence, Inc. Cantera Especial Canterland of Mexico **Copper Sculptures** Designs in Tile Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. **Goodwin International** Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. Stone Decora Traditional Cut Stone, Ltd. Waterfall Creations, Inc.

#### **Garden Furnishings**

Architectural Heritage, Inc. Authentic Provence, Inc. Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. Goodwin International Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. Traditional Cut Stone, Ltd. Wiemann Ironworks

#### **Garden Ornament**

Architectural Heritage, Inc. Architectural Pottery Authentic Provence, Inc. Bamboo & Rattan Works, Inc. Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. Goodwin International Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. No 9 Studio UK Seibert & Rice **Towne House Restorations** Traditional Cut Stone, Ltd. **Tuscan Imports** Wiemann Ironworks

#### **Gate Hardware**

Acorn Forged Iron Ball & Ball Hardware D.J.A. Imports, Ltd. European Iron Works Fagan's Forge Historical Arts & Casting, Inc. James Peters & Son, Inc. Kayne & Son Custom Hardware, Inc. Maguire Iron Corp. Richards-Wilcox, Inc. Signature Hardware

D.J.A. Imports, Ltd. Dreamcatcher Imports, Inc. **European Iron Works Fine Architectural Metalsmiths** Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Liberty Ornamental Products Schiff Architectural Detail Scottsdale Art Factory Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc. Wiemann Ironworks

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#### Landscape Stone

Architectural Stone Masonry Champlain Stone, Ltd. Haddonstone (USA), Ltd. Saint-Jacques Artisans Workshops

#### Lattice & Treillage

Florentine Craftsmen, Inc. Historical Arts & Casting, Inc. Poligon Div., W.H. Porter Wiemann Ironworks

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#### Mailboxes, Post Mounted

Brandon Industries, Inc. **Copper Sculptures** Custom Home Accessories, Inc. Dreamcatcher Imports, Inc. Historical Arts & Casting, Inc. New Concept Louvers Signature Hardware Texas Metal Industries, Inc.

#### Mailboxes, Wall Mounted

**Copper Sculptures** Custom Home Accessories, Inc. Dreamcatcher Imports, Inc. Historical Arts & Casting, Inc. New Concept Louvers Rejuvenation Signature Hardware

#### Pavers, Brick

Belden Brick Co. Old Carolina Brick Co.

#### **Pavers, Ceramic**

American Restoration Tile, Inc. Gladding, McBean - Div. of Pacific Coast Bldg. Tile Source, Inc.

#### **Pavers**. Concrete

A&M Victorian Decorations, Inc. Aristone Designs, Inc.

Pavers, Stone Architectural Stone Masonry

#### **Cast-Stone Ornament**

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#### **Curbing & Edging**

Champlain Stone, Ltd. Dreamcatcher Imports, Inc. Kenneth Lynch & Sons, Inc.

#### Fencing, Animal

Dreamcatcher Imports, Inc.

#### Fencing, Antique Original Aurora Mills Architectural Salvage

Florentine Craftsmen, Inc. Gerald Siciliano Studio Design Associates Goodwin International Haddonstone (USA). Ltd. No 9 Studio UK Saint-Jacques Artisans Workshops **Tuscan Imports** Waterfall Creations, Inc. Wiemann Ironworks

#### Fountains, Tiered

A&M Victorian Decorations, Inc. Allen Architectural Metals, Inc. Architectural Pottery Architectural Stone Masonry

**Gate Operators** FAAC International. Inc.

#### **Gates, Antique Original**

Saint-Jacques Artisans Workshops

#### Gates, Metal

Architectural Iron Co.

Cantera Especial Canterland of Mexico Champlain Stone, Ltd. Rossi USA Corp. Stone Decora Traditional Cut Stone, Ltd.

#### Pergolas

1.800.COLUMNS Columns.com Florentine Craftsmen, Inc. Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Poligon Div., W.H. Porter Wiemann Ironworks

#### FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

#### **Planters & Urns**

Architectural Pottery Architectural Stone Masonry Authentic Provence, Inc. **Cantera Especial** Canterland of Mexico Dahlhaus Lighting, Inc. Doty & Sons Concrete Products, Inc. Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. **Goodwin International** Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. **Oxford Garden** Seal Reinforced Fiberglass, Inc. Seibert & Rice Stone Decora Traditional Cut Stone, Ltd. **Tuscan Imports** Wright Co., John

#### Plaques

See Signage

#### Sculpture & Statuary

See Section 1

#### Signage

A&M Victorian Decorations, Inc. A-Art/B. Rasmussen, Ltd. Allen Architectural Metals, Inc. Brandon Industries, Inc. Copper Sculptures Erie Landmark Co. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. Lake Shore Industries, Inc. Schiff Architectural Detail Texas Metal Industries, Inc. Wiemann Ironworks

#### Sundials

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Architectural Stone Masonry Authentic Provence, Inc. Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc.

#### **Topiary Frames**

Authentic Provence, Inc. Dreamcatcher Imports, Inc. Florentine Craftsmen, Inc. Kenneth Lynch & Sons, Inc.

#### Trash/Ash Receptacles

See Waste Containers

#### **Tree Grates & Guards**

Canterbury International John F. Graney Metal Design, LLC

#### Treillage

See Lattice & Treillage

Urns See Planters & Urns

#### Walls, Retaining



Candles, Electric AAMSCO Lighting, Inc.

# Exterior Lighting Restoration

Al Bar-Wilmette Platers Ball & Ball Lighting Bevolo Gas & Electric Lights Coe Studios, Inc. **Crenshaw Lighting** Customlightstyles.com Faubourg Lighting Herwig Lighting Lantern Masters, Inc. Maguire Iron Corp. Neumann Studios Newstamp Lighting Co. Rambusch Decorating Co. Restoric, LLC Schiff Architectural Detail St. Louis Antique Lighting Co. Steven Handelman Studios

#### Exterior Lighting, Antique Original

Architectural Heritage, Inc. Aurora Mills Architectural Salvage Authentic Provence, Inc. Ball & Ball Lighting Customlightstyles.com Federalist, The Herwig Lighting Neumann Studios Pinch of the Past Remains Lighting

# Exterior Lighting, Architectural Accent & Special Effect

Architectural Area Lighting, Inc. Ball & Ball Lighting Century Architectural Specialties Customlightstyles.com Dreamcatcher Imports, Inc. Federalist, The Historical Arts & Casting, Inc. Kim Lighting Lighting by Hammerworks Neumann Studios

#### **Exterior Lighting, Building Mounted**

Authentic Designs Ball & Ball Lighting Bevolo Gas & Electric Lights **Copper Sculptures** Coppersmythe, Josiah R. Craftsmen Hardware Co. Customlightstyles.com **Deep Landing Workshop** Faubourg Lighting Federalist, The **Fine Architectural Metalsmiths** Herwig Lighting Historical Arts & Casting, Inc. Kim Lighting Lantern Masters, Inc. Lighting by Hammerworks Rejuvenation Steven Handelman Studios

Fine Architectural Metalsmiths Herwig Lighting Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. **Neumann Studios** Newstamp Lighting Co. Old California Lantern Co. Rambusch Decorating Co. Schiff Architectural Detail Schwartz's Forge & Metalworks, Inc. St. Louis Antique Lighting Co. Sternberg Lighting Steven Handelman Studios Wiemann Ironworks

#### Exterior Lighting, Garden

Ball & Ball Lighting Coe Studios, Inc. Customlightstyles.com Dahlhaus Lighting, Inc. Deep Landing Workshop Faubourg Lighting Federalist, The Florentine Craftsmen, Inc. Herwig Lighting Historical Arts & Casting, Inc. Kim Lighting Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. Sternberg Lighting

#### Exterior Lighting, Historical Reproductions

Authentic Designs Authentic Provence, Inc. Ball & Ball Lighting Brandon Industries, Inc. **Copper Sculptures** Coppersmythe, Josiah R. **Crenshaw Lighting** Crown City Hardware Co. Customlightstyles.com Dahlhaus Lighting, Inc. Deep Landing Workshop Dreamcatcher Imports, Inc. Faubourg Lighting Federalist, The Fine Architectural Metalsmiths Heritage Lanterns Herwig Lighting Historical Arts & Casting, Inc. Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. Neumann Studios Newstamp Lighting Co. Old California Lantern Co. Olde Mill Lighting, Ltd. Rejuvenation **Remains Lighting** St. Louis Antique Lighting Co. Sternberg Lighting Steven Handelman Studios

#### **Exterior Lighting, Landscape**

#### Sternberg Lighting Steven Handelman Studios

#### **Exterior Lighting, Lanterns**

Authentic Designs Ball & Ball Lighting Bevolo Gas & Electric Lights Brandon Industries, Inc. Coe Studios, Inc. **Copper Sculptures** Coppersmythe, Josiah R. Craftsmen Hardware Co. **Crenshaw Lighting** Customlightstyles.com Dahlhaus Lighting, Inc. Deep Landing Workshop Distinguished Home Lighting, Ltd. Faubourg Lighting Federalist, The Fine Architectural Metalsmiths Heritage Lanterns Herwig Lighting Historical Arts & Casting, Inc. **Kim Lighting** Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. Newstamp Lighting Co. Old California Lantern Co. Olde Mill Lighting, Ltd. Signature Hardware St. Louis Antique Lighting Co. Sternberg Lighting Steven Handelman Studios

#### Exterior Lighting, Porch

Authentic Designs **Ball & Ball Lighting** Bevolo Gas & Electric Lights Coe Studios, Inc. Coppersmythe, Josiah R. Craftsmen Hardware Co. Customlightstyles.com Dahlhaus Lighting, Inc. Deep Landing Workshop Distinguished Home Lighting, Ltd. Faubourg Lighting Federalist, The Fine Architectural Metalsmiths Heritage Lanterns Herwig Lighting Historical Arts & Casting, Inc. Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. Mica Lamp Co. Newstamp Lighting Co. Old California Lantern Co. Olde Mill Lighting, Ltd. Rejuvenation Signature Hardware Steven Handelman Studios

#### Exterior Lighting, Post Mounted

Authentic Designs Ball & Ball Lighting Bevolo Gas & Electric Lights Brandon Industries, Inc. Coe Studios, Inc **Copper Sculptures** Coppersmythe, Josiah R. **Crenshaw Lighting** Custom Home Accessories, Inc. Dahlhaus Lighting, Inc. Deep Landing Workshop Distinguished Home Lighting, Ltd. Dreamcatcher Imports, Inc. Faubourg Lighting Federalist, The Fine Architectural Metalsmiths Heritage Lanterns Herwig Lighting Historical Arts & Casting, Inc.

Champlain Stone, Ltd.

#### **Waste Containers**

Architectural Pottery Canterbury International Doty & Sons Concrete Products, Inc. DuMor Site Furnishings

#### Waterfalls & Cascades

Seal Reinforced Fiberglass, Inc. Waterfall Creations, Inc. Exterior Lighting, Custom Architectural Area Lighting, Inc. Authentic Designs Ball & Ball Lighting Coe Studios, Inc. Copper Sculptures Coppersmythe, Josiah R. Craftsmen Hardware Co. Crenshaw Lighting Customlightstyles.com Dahlhaus Lighting, Inc. Deep Landing Workshop Faubourg Lighting Federalist, The Ball & Ball Lighting Bevolo Gas & Electric Lights Coe Studios, Inc. Copper Sculptures Customlightstyles.com Dahlhaus Lighting, Inc. Dreamcatcher Imports, Inc. Faubourg Lighting Florentine Craftsmen, Inc. Herwig Lighting Historical Arts & Casting, Inc. Kim Lighting Lighting by Hammerworks Maguire Iron Corp.

#### FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.
Kim Lighting Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. Newstamp Lighting Co. Old California Lantern Co. Olde Mill Lighting, Ltd. Signature Hardware Sternberg Lighting Steven Handelman Studios Texas Metal Industries, Inc.

#### Fans, Belt Driven

Woolen Mill Fan Co.

#### Fans, Ceiling

Mica Lamp Co. The Period Arts Fan Co. Woolen Mill Fan Co.

Fans, Historical Replicas The Period Arts Fan Co.

Fiber-Optic Lighting Fixtures Rambusch Lighting Co.

Fiber-Optic Lighting System Design Rambusch Lighting Co.

Garden Lighting See Exterior Lighting, Garden

#### **Gas Lighting Restoration**

Ball & Ball Lighting Bevolo Gas & Electric Lights Crenshaw Lighting Gas Lighting, Antique Original Ball & Ball Lighting Nowell's, Inc.

#### **Gas Lighting, Custom**

Ball & Ball Lighting Copper Sculptures Crenshaw Lighting Dahlhaus Lighting, Inc. Faubourg Lighting Federalist, The Lighting by Hammerworks Steven Handelman Studios Wiemann Ironworks

#### **Gas Lighting, Exterior**

Ball & Ball Lighting Bevolo Gas & Electric Lights Copper Sculptures Distinguished Home Lighting, Ltd. Faubourg Lighting Federalist, The Lighting by Hammerworks Signature Hardware

#### **Gas Lighting, Interior**

Distinguished Home Lighting, Ltd. Federalist, The Lighting by Hammerworks Nowell's, Inc. Signature Hardware

#### **Interior Lighting Restoration**

#### Interior Lighting, Antique Original

Architectural Heritage, Inc. Aurora Mills Architectural Salvage Ball & Ball Lighting Carlson's Barnwood Co. Customlightstyles.com Federalist, The Maurice Chandelier Neumann Studios Nowell's, Inc. Pinch of the Past Remains Lighting

#### Interior Lighting, Ceiling Flush-Mount

Authentic Designs Ball & Ball Lighting Coppersmythe, Josiah R. Craft Metal Products, Inc. Craftsmen Hardware Co. **Crenshaw Lighting** Deep Landing Workshop Federalist, The Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. **Neumann Studios** Newstamp Lighting Co. Olde Mill Lighting, Ltd. Rambusch Lighting Co. Rejuvenation **Remains Lighting** Signature Hardware St. Louis Antique Lighting Co.

#### Interior Lighting, Chandeliers

**Archistoric Products** Authentic Designs Ball & Ball Lighting Coppersmythe, Josiah R. Craft Metal Products, Inc. Craftsmen Hardware Co. **Crenshaw Lighting** Customlightstyles.com **Deep Landing Workshop** Distinguished Home Lighting, Ltd. Federalist, The Fine Architectural Metalsmiths Heritage Lanterns Lantern Masters, Inc. Lighting by Hammerworks Maurice Chandelier Mica Lamp Co. **Neumann Studios** Newstamp Lighting Co. Old California Lantern Co. Olde Mill Lighting, Ltd. Rambusch Lighting Co. Rejuvenation **Remains Lighting Richard Scofield Historic Lighting** Scottsdale Art Factory Signature Hardware St. Louis Antique Lighting Co. Steven Handelman Studios

#### Interior Lighting, Custom

Archistoric Products Ball & Ball Lighting Coppersmythe, Josiah R Craft Metal Products, Inc. Craftsmen Hardware Co. **Crenshaw Lighting** Customlightstyles.com Deep Landing Workshop **European Iron Works** Faubourg Lighting Federalist, The Fine Architectural Metalsmiths Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. **Neumann Studios** 

Newstamp Lighting Co. Old California Lantern Co. Rambusch Lighting Co. Remains Lighting St. Louis Antique Lighting Co. Steven Handelman Studios Wiemann Ironworks

#### Interior Lighting, Floor Lamps

Archistoric Products Authentic Designs Ball & Ball Lighting Coppersmythe, Josiah R. Crenshaw Lighting Federalist, The Lantern Masters, Inc. Mica Lamp Co. Neumann Studios Olde Mill Lighting, Ltd. Rejuvenation Remains Lighting Signature Hardware Steven Handelman Studios

#### Interior Lighting, Historical Reproductions

AAMSCO Lighting, Inc. **Archistoric Products** Authentic Designs Ball & Ball Lighting Coppersmythe, Josiah R. Craft Metal Products, Inc. Craftsmen Hardware Co. **Crenshaw Lighting** Customlightstyles.com **Deep Landing Workshop** Faubourg Lighting Federalist, The Fine Architectural Metalsmiths Heritage Lanterns Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. Mica Lamp Co. Newstamp Lighting Co. Nowell's, Inc. Old California Lantern Co. Olde Mill Lighting, Ltd. Rambusch Lighting Co. Rejuvenation **Remains Lighting Richard Scofield Historic Lighting** St. Louis Antique Lighting Co. Steven Handelman Studios

#### Interior Lighting, Lanterns

Authentic Designs Ball & Ball Lighting Coppersmythe, Josiah R. Craft Metal Products, Inc. Craftsmen Hardware Co. **Crenshaw Lighting** Customlightstyles.com **Deep Landing Workshop** Distinguished Home Lighting, Ltd. Faubourg Lighting Federalist, The **Fine Architectural Metalsmiths** Heritage Lanterns Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. Mica Lamp Co. Neumann Studios Newstamp Lighting Co. Nowell's, Inc. Old California Lantern Co. Olde Mill Lighting, Ltd. Rambusch Lighting Co. **Remains Lighting Richard Scofield Historic Lighting** Signature Hardware St. Louis Antique Lighting Co. Steven Handelman Studios

#### Interior Lighting, Pendants

AAMSCO Lighting, Inc. **Archistoric Products** Authentic Designs Ball & Ball Lighting Coppersmythe, Josiah R. Craft Metal Products, Inc. Craftsmen Hardware Co. Crenshaw Lighting Customlightstyles.com Deep Landing Workshop Federalist, The Fine Architectural Metalsmiths Heritage Lanterns Lantern Masters, Inc. Lighting by Hammerworks Mica Lamp Co. **Neumann Studios** Newstamp Lighting Co. Nowell's, Inc. Old California Lantern Co. Rambusch Lighting Co. Rejuvenation **Remains Lighting** Scottsdale Art Factory Signature Hardware St. Louis Antique Lighting Co. Steven Handelman Studios

#### Interior Lighting, Sconces

AAMSCO Lighting, Inc. Archistoric Products Authentic Designs Ball & Ball Lighting Coppersmythe, Josiah R. Craft Metal Products, Inc. Craftsmen Hardware Co. Crenshaw Lighting Customlightstyles.com Deep Landing Workshop Distinguished Home Lighting, Ltd. Federalist, The Fine Architectural Metalsmiths Heritage Lanterns Lantern Masters, Inc. Lighting by Hammerworks Maguire Iron Corp. Mica Lamp Co. Neumann Studios Newstamp Lighting Co. Nowell's, Inc. Old California Lantern Co. Olde Mill Lighting, Ltd. Rambusch Lighting Co. Rejuvenation **Remains Lighting Richard Scofield Historic Lighting** Signature Hardware St. Louis Antique Lighting Co. Steven Handelman Studios

#### Interior Lighting, Table Lamps

Archistoric Products Authentic Designs Ball & Ball Lighting Coppersmythe, Josiah R. Craft Metal Products, Inc. Craftsmen Hardware Co. **Crenshaw Lighting** Federalist, The Guerin, P.E. Mica Lamp Co. Neumann Studios Newstamp Lighting Co. Olde Mill Lighting, Ltd. Rejuvenation **Remains Lighting** Signature Hardware St. Louis Antique Lighting Co. Steven Handelman Studios

Al Bar-Wilmette Platers Archistoric Products Ball & Ball Lighting Craft Metal Products, Inc. Crenshaw Lighting Customlightstyles.com Lantern Masters, Inc. Maguire Iron Corp. Neumann Studios Pinch of the Past Rambusch Lighting Co. Restoric, LLC St. Louis Antique Lighting Co. Williams Stained Glass

Lampposts & Standards Ball & Ball Lighting Bevolo Gas & Electric Lights

#### FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

Coppersmythe, Josiah R. Customlightstyles.com Federalist, The Herwig Lighting Lake Shore Industries, Inc. Lantern Masters, Inc. Lighting by Hammerworks Schiff Architectural Detail Sternberg Lighting Texas Metal Industries, Inc.

Landscape Lighting

See Exterior Lighting, Landscape

Light Bulbs, Antique Reproductions AAMSCO Lighting, Inc. Classic Accents, Inc. Rejuvenation

#### Lighting Fixture Glass, Antique Original

Aurora Mills Architectural Salvage Michael Davis Stained Glass Otteson Co. Rejuvenation Saint-Jacques Artisans Workshops

#### **Lighting Fixture Glass, Custom**

Glass Source Herwig Lighting Lehmann Glass Studio Michael Davis Stained Glass Neumann Studios Otteson Co. Steven Handelman Studios Williams Stained Glass

#### Lighting Fixture Glass, Historical Replicas

Craft Metal Products, Inc. Lehmann Glass Studio Michael Davis Stained Glass Neumann Studios Otteson Co. Rejuvenation St. Louis Antique Lighting Co.

Lighting Fixture Parts Herwig Lighting

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Lighting Fixtures, Exterior See Exterior Lighting

Lighting Fixtures, Interior See Interior Lighting

#### Lighting System Design

Architectural Area Lighting, Inc. St. Louis Antique Lighting Co.

#### **Switch Plates**

Craftsmen Hardware Co. Crown City Hardware Co. Custom Home Accessories House of Antique Hardware Maguire Iron Corp. Rejuvenation Signature Hardware Van Dyke's Restorers

#### Switches, Push Button

#### **Fire Grates**

Authentic Provence, Inc. Mantels Direct

Fireplace Inserts Authentic Provence, Inc. Mantels Direct

#### **Fireplace Screens & Tools**

European Iron Works Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Kayne & Son Custom Hardware, Inc. Steven Handelman Studios

Fireplace Surrounds See Mantels

#### **Fireplaces**, Stone

A&M Victorian Decorations, Inc. Architectural Stone Masonry DMS Studios Dreamcatcher Imports, Inc. Village Restorations & Consulting, Inc.

#### Mantels, Antique Original

Architectural Heritage, Inc. Aurora Mills Architectural Salvage Brandt, Sylvan Carlson's Barnwood Co.

#### Mantels, Carved Stone

A&M Victorian Decorations, Inc. Architectural Stone Masonry Authentic Provence, Inc. DMS Studios Dreamcatcher Imports, Inc. Gerald Siciliano Studio Design Associates Mantels Direct Saint-Jacques Artisans Workshops Stone Decora Traditional Cut Stone, Ltd.

#### Mantels, Carved Wood

A&M Victorian Decorations, Inc. Agrell Architectural Carving Ltd. Cumberland Woodcraft Co. Federalist, The Goodwin Associates Khechoyan's Carvings & Tools, LLC Manor Style, Inc. Mantels Direct White River Hardwoods-Woodworks

#### Mantels, Cast Stone

A&M Victorian Decorations, Inc. Cantera Especial Canterland of Mexico Dreamcatcher Imports, Inc. Haddonstone (USA), Ltd. Mantels Direct Premier Mantles Stone Decora

#### Mantels, Custom

A&M Victorian Decorations, Inc. Agrell Architectural Carving Ltd. Authentic Provence, Inc. Champlain Stone, Ltd. Cumberland Woodcraft Co. DMS Studios Federalist, The Felber Ornamental Plastering Corp. Forshaw of St. Louis, Inc. Gerald Siciliano Studio Design Associates Khechoyan's Carvings & Tools, LLC Mantels Direct Premier Mantles Steptoe & Wife Antiques Ltd. Vetrazzo, LLC Forshaw of St. Louis, Inc. Historical Arts & Casting, Inc.

#### **Mantels**, Plaster

A&M Victorian Decorations, Inc. Decorators Supply Corp. Felber Ornamental Plastering Corp. Forshaw of St. Louis, Inc. Goodwin Associates

#### Mantels, Resin/Stone

Forshaw of St. Louis, Inc. Vetrazzo, LLC

#### Mantels, Stone

A&M Victorian Decorations, Inc. Architectural Stone Masonry Authentic Provence, Inc. Cantera Especial Canterland of Mexico Champlain Stone, Ltd. DMS Studios Dreamcatcher Imports, Inc. Federalist, The Forshaw of St. Louis, Inc. Gerald Siciliano Studio Design Associates Stone Decora

#### Mantels, Wood

A&M Victorian Decorations, Inc. Agrell Architectural Carving Ltd. Brandt, Sylvan Cumberland Woodcraft Co. Decorators Supply Corp. Forshaw of St. Louis, Inc. Goodwin Associates Iowa Barn Savers Premier Mantles Vintage Woodworks

#### Stove Paint Fine Architectural Metalsmiths

Stoves, Antique Original Good Time Stove Co.



Balustrades, Metal See Section 6

#### **Cast Metalwork, Custom Casting**

Allen Architectural Metals, Inc. Architectural Iron Co. Ball & Ball Hardware De Groot Historical Restoration, Inc. DeAngelis Iron Work, Inc. Fine Architectural Metalsmiths Florentine Craftsmen, Inc. Historical Arts & Casting, Inc. Kenneth Lynch & Sons, Inc. Michigan Ornamental Metals New Star Brass & Bronze Works, Inc. O.K. Foundry Co., Inc. Robinson Iron Corp. Saint-Jacques Artisans Workshops Schiff Architectural Detail Steptoe & Wife Antiques Ltd.

#### Epoxies for Metal Repair See Metal Repair Materials

#### Fabricated Metalwork, Custom

Allen Architectural Metals, Inc. Architectural Iron Co. Ball & Ball Hardware **C&J Metal Products** Campbellsville Industries, Inc. Colorado Waterjet Co. Craftsmen Hardware Co. De Groot Historical Restoration, Inc. DeAngelis Iron Work, Inc. European Iron Works **Fine Architectural Metalsmiths** Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Kayne & Son Custom Hardware, Inc. Michigan Ornamental Metals New Concept Louvers New Star Brass & Bronze Works, Inc. NIKO Contracting Co., Inc. Ornametals, LLC Robinson Iron Corp. **Rutland Gutter Supply** Saint-Jacques Artisans Workshops Schiff Architectural Detail Schwartz's Forge & Metalworks, Inc. Steptoe & Wife Antiques Ltd. Wiemann Ironworks

#### **Fabricated Metalwork, Standard Designs**

Ball & Ball Hardware Campbellsville Industries, Inc. Craftsmen Hardware Co. D.J.A. Imports, Ltd. Fine Architectural Metalsmiths Frank Morrow Co. Kayne & Son Custom Hardware, Inc. King Architectural Metals Liberty Ornamental Products New Concept Louvers New Star Brass & Bronze Works, Inc. Schiff Architectural Detail Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc. The Wagner Companies

#### **Fasteners**, Metal

The Wagner Companies Tremont Nail Co.

#### Fencing

See Section 9

#### Forged Metalwork, Custom

Ball & Ball Hardware De Groot Historical Restoration, Inc. DeAngelis Iron Work, Inc. European Iron Works Fagan's Forge Fine Architectural Metalsmiths John F. Graney Metal Design, LLC Kayne & Son Custom Hardware, Inc. Kenneth Lynch & Sons, Inc. Saint-Jacques Artisans Workshops Schwartz's Forge & Metalworks, Inc. Steven Handelman Studios Wiemann Ironworks

Classic Accents, Inc. House of Antique Hardware Rejuvenation Signature Hardware

Mantels, Fireplaces & Chimneys

Chimney Fans Exhausto, Inc.

Chimney Pots Jack Arnold - European Copper No 9 Studio UK Mantels, Metal Dreamcatcher Imports, Inc. Texas Metal Industries, Inc. Wiemann Ironworks

Cast Metalwork, Standard Designs Architectural Iron Co. Craftsmen Hardware Co. Frank Morrow Co. King Architectural Metals Liberty Ornamental Products Pinch of the Past Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc. The Wagner Companies Forged Metalwork, Standard Designs D.J.A. Imports, Ltd. Fagan's Forge Fine Architectural Metalsmiths Haddonstone (USA), Ltd. Kayne & Son Custom Hardware, Inc. King Architectural Metals Texas Metal Industries, Inc. The Wagner Companies Wiemann Ironworks

Gates See Section 9

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

#### Grilles, Cast Metal

Acorn Forged Iron Allen Architectural Metals, Inc. DeAngelis Iron Work, Inc. Heat Registers.com Historical Arts & Casting, Inc. House of Antique Hardware New Star Brass & Bronze Works, Inc. Reggio Register Co., The Robinson Iron Corp. Schiff Architectural Detail Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc. Wiemann Ironworks

#### **Grilles, Forged Metal**

Colorado Waterjet Co. D.J.A. Imports, Ltd. DeAngelis Iron Work, Inc. European Iron Works Fine Architectural Metalsmiths Heat Registers.com House of Antique Hardware John F. Graney Metal Design, LLC Kayne & Son Custom Hardware, Inc. Maguire Iron Corp. New Star Brass & Bronze Works, Inc. Steptoe & Wife Antiques Ltd. Steven Handelman Studios Wiemann Ironworks

#### **Grilles, Metal Plate**

Architectural Grille Architectural Iron Co. Colorado Waterjet Co. Craftsmen Hardware Co. DeAngelis Iron Work, Inc. Heat Registers.com Kees Architectural Division New Star Brass & Bronze Works, Inc. Wiemann Ironworks

#### **Grilles, Sheet Metal**

Architectural Grille Architectural Iron Co. Craftsmen Hardware Co. Heat Registers.com Kees Architectural Division Monarch Products Co. Wiemann Ironworks

#### **Metal Coatings**

Historical Arts & Casting, Inc. Texas Metal Industries, Inc.

#### Metal Components, Cast & Forged

Architectural Iron Co. Frank Morrow Co. Schiff Architectural Detail Wiemann Ironworks

#### Metal Repair & Restoration Services

Allen Architectural Metals, Inc. Architectural Iron Co. Ball & Ball Hardware DeAngelis Iron Work, Inc. European Iron Works Fagan's Forge Florentine Craftsmen, Inc.

#### **Railings, Cast Metal**

Allen Architectural Metals, Inc. Architectural Iron Co. Campbellsville Industries, Inc. DeAngelis Iron Work, Inc. Dreamcatcher Imports, Inc. Historical Arts & Casting, Inc. New Star Brass & Bronze Works, Inc. Robinson Iron Corp. Schiff Architectural Detail Steptoe & Wife Antiques Ltd. Wiemann Ironworks

#### **Railings**, Custom

Architectural Iron Co. Colorado Waterjet Co. DeAngelis Iron Work, Inc. European Iron Works Fine Architectural Metalsmiths Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC New Star Brass & Bronze Works, Inc. Saint-Jacques Artisans Workshops Schwartz's Forge & Metalworks, Inc. Sterling Staircase & Handrail Wiemann Ironworks

#### **Railings, Forged Metal**

D.J.A. Imports, Ltd. DeAngelis Iron Work, Inc. European Iron Works Fine Architectural Metalsmiths John F. Graney Metal Design, LLC New Star Brass & Bronze Works, Inc. Schwartz's Forge & Metalworks, Inc. Scottsdale Art Factory Steptoe & Wife Antiques Ltd. The Wagner Companies Wiemann Ironworks

#### **Railings, Standard Elements**

Architectural Iron Co. D.J.A. Imports, Ltd. Liberty Ornamental Products New Star Brass & Bronze Works, Inc. Texas Metal Industries, Inc. The Wagner Companies Wiemann Ironworks

#### **Registers, Cast Metal**

Allen Architectural Metals, Inc. Heat Registers.com Historical Arts & Casting, Inc. House of Antique Hardware Reggio Register Co., The Rejuvenation Robinson Iron Corp. Schiff Architectural Detail Signature Hardware Texas Metal Industries, Inc. Wiemann Ironworks

#### **Registers, Metal Plate**

Architectural Grille Colorado Waterjet Co. Heat Registers.com Kees Architectural Division Rejuvenation Signature Hardware

#### Ornametals, LLC Rutland Gutter Supply

#### Sheet-Metal Ornament, Standard Designs

C&J Metal Products Campbellsville Industries, Inc. Frank Morrow Co.

#### Sheet Metal, Architectural

Campbellsville Industries, Inc. EJMcopper, Inc. NIKO Contracting Co., Inc. Ornametals, LLC Saint-Jacques Artisans Workshops

#### Stair Balustrades, Cast Metal

Allen Architectural Metals, Inc. Architectural Iron Co. DeAngelis Iron Work, Inc. Dreamcatcher Imports, Inc. Historical Arts & Casting, Inc. King Architectural Metals New Star Brass & Bronze Works, Inc. Robinson Iron Corp. Schiff Architectural Detail Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc.

#### Stair Balustrades, Custom

Architectural Iron Co. DeAngelis Iron Work, Inc. European Iron Works John F. Graney Metal Design, LLC New Star Brass & Bronze Works, Inc. Schiff Architectural Detail Schwartz's Forge & Metalworks, Inc.

#### Stair Balustrades, Forged Metal

Architectural Iron Co. D.J.A. Imports, Ltd. DeAngelis Iron Work, Inc. European Iron Works John F. Graney Metal Design, LLC King Architectural Metals New Star Brass & Bronze Works, Inc. Schwartz's Forge & Metalworks, Inc. Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc. The Wagner Companies

#### Stair Balustrades, Standard Elements

Architectural Iron Co. D.J.A. Imports, Ltd. Liberty Ornamental Products Texas Metal Industries, Inc. The Wagner Companies

#### Stair Handrails, Cast Metal

Allen Architectural Metals, Inc. Architectural Iron Co. Historical Arts & Casting, Inc. King Architectural Metals New Star Brass & Bronze Works, Inc. Robinson Iron Corp. Schiff Architectural Detail Texas Metal Industries, Inc. The Wagner Companies

#### Stair Handrails, Custom

European Iron Works Fine Architectural Metalsmiths John F. Graney Metal Design, LLC King Architectural Metals New Star Brass & Bronze Works, Inc. Schwartz's Forge & Metalworks, Inc. The Wagner Companies

#### Stair Handrails, Standard Elements

Architectural Iron Co. D.J.A. Imports, Ltd. Fine Architectural Metalsmiths King Architectural Metals Liberty Ornamental Products New Star Brass & Bronze Works, Inc. Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc. The Wagner Companies

#### Stairs, Curved

DeAngelis Iron Work, Inc. European Iron Works Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Liberty Ornamental Products Schwartz's Forge & Metalworks, Inc.

#### Stairs, Custom

Allen Architectural Metals, Inc. Circle Redmont, Inc. DeAngelis Iron Work, Inc. European Iron Works Goddard Mfg. Co. Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Liberty Ornamental Products Robinson Iron Corp. Saint-Jacques Artisans Workshops Schiff Architectural Detail Schwartz's Forge & Metalworks, Inc.

#### Stairs, Kits

Liberty Ornamental Products Steptoe & Wife Antiques Ltd.

#### Stairs, Monumental

Schwartz's Forge & Metalworks, Inc.

#### Stairs, Spiral

Circle Redmont, Inc. DeAngelis Iron Work, Inc. Goddard Mfg. Co. Historical Arts & Casting, Inc. Liberty Ornamental Products Schwartz's Forge & Metalworks, Inc. Steptoe & Wife Antiques Ltd.

#### Stairs, Straight

Circle Redmont, Inc. DeAngelis Iron Work, Inc. European Iron Works Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Liberty Ornamental Products Schwartz's Forge & Metalworks, Inc. Steptoe & Wife Antiques Ltd.

#### Wrought Metalwork

See Forged Metalwork

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Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC Modern Art Foundry Robinson Iron Corp. Saint-Jacques Artisans Workshops Wiemann Ironworks

#### Patinas

See Metal Coatings

Plaques

See Signage in Section 9

Radiator Covers See Section 13

#### **Registers, Sheet Metal**

Architectural Grille Colorado Waterjet Co. Heat Registers.com Kees Architectural Division Signature Hardware

Sheet-Metal Ornament, Custom Architectural Grille C&J Metal Products Campbellsville Industries, Inc. Michigan Ornamental Metals NIKO Contracting Co., Inc. Allen Architectural Metals, Inc. Architectural Iron Co. DeAngelis Iron Work, Inc. European Iron Works Fine Architectural Metalsmiths Historical Arts & Casting, Inc. John F. Graney Metal Design, LLC New Star Brass & Bronze Works, Inc. Robinson Iron Corp. Schiff Architectural Detail Schwartz's Forge & Metalworks, Inc.

Stair Handrails, Forged Metal D.J.A. Imports, Ltd. DeAngelis Iron Work, Inc.



**Bathroom Accessories** 

Craftsmen Hardware Co. Decorated Porcelain Company Rejuvenation Signature Hardware Van Dyke's Restorers Vetrazzo, LLC

#### FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

Bathroom Sinks, Antique Original Aurora Mills Architectural Salvage Bathroom Machineries, DEA

Bathroom Sinks, Fittings & Parts Bathroom Machineries, DEA Signature Hardware

Bathroom Sinks, Historical Replicas Bathroom Machineries, DEA

Bathroom Sinks, Traditional Adaptations Bathroom Machineries, DEA Signature Hardware

Bathtub Refinishing See Porcelain Refinishing

Bathtubs, Antique Original Aurora Mills Architectural Salvage Bathroom Machineries, DEA

Bathtubs, Fittings & Parts Bathroom Machineries, DEA Signature Hardware Van Dyke's Restorers

Bathtubs, Historical Replicas Bathroom Machineries, DEA Signature Hardware

Bathtubs, Traditional Adaptations Bathroom Machineries, DEA Van Dyke's Restorers

Faucets & Fittings, Antique Original Bathroom Machineries, DEA

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GUIDEBOO

Faucets & Fittings, Historical Replicas Bathroom Machineries, DEA

Faucets & Fittings, Traditional Adaptations Bathroom Machineries, DEA Signature Hardware Van Dyke's Restorers

Kitchen Cabinets, Custom Country Road Associates, Ltd.

Kitchen Equipment Vetrazzo, LLC

Kitchen Sinks, Antique Original Aurora Mills Architectural Salvage Bathroom Machineries, DEA

Kitchen Sinks, Fittings & Parts Bathroom Machineries, DEA Signature Hardware

Kitchen Sinks, Traditional Adaptations Signature Hardware

Plumbing Parts, Antique Original Aurora Mills Architectural Salvage Bathroom Machineries, DEA

Plumbing Parts, Historical Replicas Bathroom Machineries, DEA Radiators, Antique & Salvaged Aurora Mills Architectural Salvage

Registers, Metal See Section 12

Registers, Wood See Section 20

Shower Parts, Antique Original Aurora Mills Architectural Salvage Bathroom Machineries, DEA

Shower Parts, Historical Replicas Bathroom Machineries, DEA

Shower Parts, Traditional Adaptations Bathroom Machineries, DEA Signature Hardware

Showerheads Bathroom Machineries, DEA Signature Hardware

Sinks, Bathroom See Bathroom Sinks

Sinks, Kitchen See Kitchen Sinks

Toilets, Antique Original Aurora Mills Architectural Salvage Bathroom Machineries, DEA

Toilets, Historical Replicas Bathroom Machineries, DEA

Toilets, Traditional Adaptations Bathroom Machineries, DEA Signature Hardware

Wine Cellars, Accessories Glass Source

#### **14** Professional Services

Books & Publications Historical Arts & Casting, Inc. PRG, Inc.

Building Documentation Building Conservation Associates Iowa Barn Savers Restoric, LLC

Conservation Services, Architectural Building Conservation Associates De Groot Historical Restoration, Inc. Kronenberger & Sons Restoration Nicholson & Galloway Restoric, LLC Watertrol, Inc.

Conservation Services, Art Building Conservation Associates Canning Studios Conrad Schmitt Studios, Inc. Designs in Tile EverGreene Painting Studios, Inc. John Tiedemann, Inc. Modern Art Foundry Conrad Schmitt Studios, Inc. De Groot Historical Restoration, Inc. DMS Studios Gerald Siciliano Studio Design Associates John Tiedemann, Inc. Modern Art Foundry Saint-Jacques Artisans Workshops

**Contracting Services** 

See appropriate divisions

**Historical Preservation Consulting** 

Boston Valley Terra Cotta Building Conservation Associates Conrad Schmitt Studios, Inc. De Groot Historical Restoration, Inc. Gladding, McBean - Div. of Pacific Coast Bldg. Historical Arts & Casting, Inc. John Tiedemann, Inc. Kronenberger & Sons Restoration PRG, Inc. Restoric, LLC Village Restorations & Consulting, Inc. Watertrol, Inc.

#### Industry & Trade Associations

NOMMA - National Ornamental & Misc. Metals Assn.



Asphalt Shingles, Wood Simulation See Wood Shingles, Simulation

Bird- & Pest-Control Products Bell Bird Control Bird-X, Inc. Nixalite of America, Inc.

Caulking & Joint Sealants SnoBlox, Inc.

#### Cresting

Allen Architectural Metals, Inc. Architectural Iron Co. DeAngelis Iron Work, Inc. Heather & Little, Ltd. Historical Arts & Casting, Inc. Ornametals, LLC Robinson Iron Corp. Steptoe & Wife Antiques Ltd. Texas Metal Industries, Inc.

#### Cupolas, Custom

Annapolis Weathervanes and Cupolas Architectural Fiberglass Corp. Cape Cod Cupola Co. EJMcopper, Inc. Fiberglass Specialties, Inc. Heather & Little, Ltd. Historical Arts & Casting, Inc. New Concept Louvers Nicholson & Galloway NIKO Contracting Co., Inc. Rutland Gutter Supply Tanglewood Conservatories Cupolas, Sheet Metal

C&J Metal Products EJMcopper, Inc. Heather & Little, Ltd. Michigan Ornamental Metals New Concept Louvers NIKO Contracting Co., Inc. Ornametals, LLC Tanglewood Conservatories

#### **Cupolas, Standard Designs**

Annapolis Weathervanes and Cupolas Campbellsville Industries, Inc. Custom Home Accessories, Inc. New Concept Louvers Tanglewood Conservatories

#### Cupolas, Wood

Annapolis Weathervanes and Cupolas Cape Cod Cupola Co. Custom Home Accessories, Inc. Tanglewood Conservatories Vermont Timber Works, Inc.

#### Domes, Glass

Neumann Studios Oak Leaf Conservatories of York Reflection Studios

#### Domes, Metal

C&J Metal Products Campbellsville Industries, Inc. Heather & Little, Ltd. Historical Arts & Casting, Inc. Michigan Ornamental Metals Nicholson & Galloway NIKO Contracting Co., Inc. Ornametals, LLC Rutland Gutter Supply

#### Finials

Boston Valley Terra Cotta **C&J Metal Products** Campbellsville Industries, Inc. Cape Cod Cupola Co. Custom Home Accessories, Inc. EJMcopper, Inc. Gladding, McBean - Div. of Pacific Coast Bldg. **Goodwin Associates** Haddonstone (USA), Ltd. Heather & Little, Ltd. Historical Arts & Casting, Inc. Michigan Ornamental Metals New Concept Louvers NIKO Contracting Co., Inc. No 9 Studio UK **Ornametals**, LLC **Rutland Gutter Supply** Vande Hey Raleigh Mfg. W.F. Norman Corp.

#### Flashing

Chris Industries, Inc. New Concept Louvers NIKO Contracting Co., Inc.

Glass Domes See Domes

Plumbing Parts, Traditional Adaptations Bathroom Machineries, DEA Signature Hardware

Porcelain Refinishing Bathroom Machineries, DEA

#### **Radiator Covers**

Architectural Grille Kees Architectural Division Monarch Products Co. Conservation Services, Mosaics Building Conservation Associates Canning Studios Conrad Schmitt Studios, Inc. Designs in Tile EverGreene Painting Studios, Inc. John Tiedemann, Inc.

#### **Conservation Services, Sculpture**

Art Casting of Illinois, Inc. Building Conservation Associates

#### **Cupolas, Fabricated Metal**

C&J Metal Products Campbellsville Industries, Inc. Heather & Little, Ltd. Historical Arts & Casting, Inc. New Concept Louvers NIKO Contracting Co., Inc. Ornametals, LLC Rutland Gutter Supply Tanglewood Conservatories

#### **Cupolas**, Fiberglass

Architectural Fiberglass Corp. Fiberglass Specialties, Inc.

#### **Gutter Chains**

Classic Gutter Systems, LLC New Concept Louvers Park City Rain Gutter Rutland Gutter Supply

#### **Gutter Hangers**

Chris Industries, Inc. Classic Gutter Systems, LLC Hendricks Tile Ornametals, LLC Park City Rain Gutter Rutland Gutter Supply

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

#### **Gutters, Historical Replicas**

Architectural Fiberglass Corp. C&J Metal Products EJMcopper, Inc. Heather & Little, Ltd. Historical Arts & Casting, Inc. NIKO Contracting Co., Inc. Ornametals, LLC Park City Rain Gutter Rutland Gutter Supply Vande Hey Raleigh Mfg.

#### **Gutters**, Metal

C&J Metal Products Chris Industries, Inc. Classic Gutter Systems, LLC Historical Arts & Casting, Inc. Michigan Ornamental Metals NIKO Contracting Co., Inc. Ornametals, LLC Park City Rain Gutter Rutland Gutter Supply

#### Leaders & Leader Boxes

C&J Metal Products Chris Industries, Inc. Classic Gutter Systems, LLC EJMcopper, Inc. Heather & Little, Ltd. Historical Arts & Casting, Inc. Michigan Ornamental Metals New Concept Louvers NIKO Contracting Co., Inc. Ornametals, LLC Park City Rain Gutter Rutland Gutter Supply

#### Louvers

See Vents

Metal Roofing, Sheet Metal See Sheet-Metal Roofing

#### **Metal Roofing, Shingles**

Conklin Metal Industries Heather & Little, Ltd. NIKO Contracting Co., Inc. Ornametals, LLC

#### **Roof Repair Contracting**

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

Roof Vents & Louvers See Vents

#### **Sheet-Metal Roofing, Aluminum**

Campbellsville Industries, Inc. Chris Industries, Inc. NIKO Contracting Co., Inc. Petersen Aluminum Corp.

#### Sheet-Metal Roofing, Copper & Coated Copper

Chris Industries, Inc. NIKO Contracting Co., Inc. Ornametals, LLC W.F. Norman Corp.

#### Sheet-Metal Roofing, Terne Family

NIKO Contracting Co., Inc.

Sheet-Metal Roofing, Zinc NIKO Contracting Co., Inc. Ornametals, LLC

**Sheet Metal, Architectural** See Section 12

W.F. Norman Corp.

#### Skylights

Circle Redmont, Inc. Classy Glass Structures Historical Arts & Casting, Inc. Renaissance Conservatories Tanglewood Conservatories Town & Country Conservatories

Slate Replicas, Composites Inspire Roofing Products NIKO Contracting Co., Inc. Vande Hey Raleigh Mfg.

#### Slate Replicas, Concrete NIKO Contracting Co., Inc. Vande Hey Raleigh Mfg.

Slate Replicas, Fiber Cement Tile Roofs, Inc.

Slate Roofing, Color Matching American Slate Company

#### **Slate Roofing, New**

American Slate Company Dreamcatcher Imports, Inc. NIKO Contracting Co., Inc. Tile Roofs, Inc.

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

Vande Hey Raleigh Mfg.

#### Snowguards

AlpineSnowGuards.com Architectural Iron Co. East Coast Roof Specialties Historical Arts & Casting, Inc. NIKO Contracting Co., Inc. SnoBlox, Inc. Vande Hey Raleigh Mfg.

Thatch, Natural Bamboo & Rattan Works, Inc.

#### **Tile Roofing, Clay**

Boston Valley Terra Cotta Dreamcatcher Imports, Inc. Gladding, McBean - Div. of Pacific Coast Bldg. Keymer Tiles Nicholson & Galloway NIKO Contracting Co., Inc. No 9 Studio UK Tile Roofs, Inc.

#### Tile Roofing, Concrete

Dreamcatcher Imports, Inc.

#### Vents

EJMcopper, Inc. New Concept Louvers NIKO Contracting Co., Inc.

Waterproofing Materials Boston Valley Terra Cotta Gladding, McBean - Div. of Pacific Coast Bldg.

#### Weathervanes, Custom

Annapolis Weathervanes and Cupolas Architectural Iron Co. Cape Cod Cupola Co. Eder Flag Mfg. Co., Inc. Haddonstone (USA), Ltd. Historical Arts & Casting, Inc. Kayne & Son Custom Hardware, Inc. Kenneth Lynch & Sons, Inc. New Concept Louvers NIKO Contracting Co., Inc. Ornametals, LLC Rutland Gutter Supply

#### Weathervanes, Standard Designs

Annapolis Weathervanes and Cupolas Cape Cod Cupola Co. Custom Home Accessories, Inc. Eder Flag Mfg. Co., Inc. Haddonstone (USA), Ltd. Kenneth Lynch & Sons, Inc. New Concept Louvers Ornametals, LLC Wright Co., John

Wood Shingles, Machine Sawn Vintage Woodworks

Wood Shingles, Simulation Vande Hey Raleigh Mfg.



#### Architectural Antiques & Salvage

Architectural Heritage, Inc. Aurora Mills Architectural Salvage Board and Beam Brandt, Sylvan Carlson's Barnwood Co. Cross Creek Architectural Salvage Eagle Creek Designs, Inc. House of Antique Hardware Maurice Chandelier Pinch of the Past

#### Barn Siding, Antique

Aurora Mills Architectural Salvage Authentic Wood Floors, Inc. Board and Beam Brandt, Sylvan Carlson's Barnwood Co. Chestnut Specialists, Inc. Conklin's Authentic Barnwood Country Road Associates, Ltd. Eagle Creek Designs, Inc. Iowa Barn Savers Longleaf Lumber, LLC

#### **Building Materials, Salvaged**

Architectural Heritage, Inc. Aurora Mills Architectural Salvage Authentic Wood Floors, Inc. Board and Beam Carlson's Barnwood Co. Conklin's Authentic Barnwood Eagle Creek Designs, Inc. Iowa Barn Savers Kronenberger & Sons Restoration Longleaf Lumber, LLC Pinch of the Past Village Restorations & Consulting, Inc.

**Columns & Capitals, Antique Original** See Section 2

#### **Faucets, Antique Original**

See Faucets & Fittings, Antique Original, in Section 13

Fencing, Antique Original

See Section 9

Gates, Antique Original See Section 9

Glass, Antique Original Brandt, Sylvan Eve Guinan Design Neumann Studios

**Green Building Products** 

Aurora Mills Architectural Salvage Conklin's Authentic Barnwood Longleaf Lumber, LLC

Hardware, Antique Original See Section 4

**Lighting Fixtures, Antique Original** See Section 10

Log Buildings, Antique & Salvaged Eagle Creek Designs, Inc.

Mantels, Antique Original See Section 11

**Plumbing Parts, Antique Original** See Section 13

#### Salvaged Buildings

Board and Beam Carlson's Barnwood Co. Iowa Barn Savers Kronenberger & Sons Restoration

Sinks, Antique Original See Section 13

#### Stone, Salvaged

Carlson's Barnwood Co. Eagle Creek Designs, Inc. Iowa Barn Savers Village Restorations & Consulting, Inc.

**Timber Frames, Antique & Salvaged** See Section 18 INDEX

**Sheet-Metal Roofing, Galvanized Steel** 

Chris Industries, Inc. NIKO Contracting Co., Inc.

Sheet-Metal Roofing, Lead W.F. Norman Corp.

Sheet-Metal Roofing, Stainless Steel NIKO Contracting Co., Inc.

#### **Sheet-Metal Roofing, Steel**

Chris Industries, Inc. NIKO Contracting Co., Inc. Petersen Aluminum Corp. Hendricks Tile NIKO Contracting Co., Inc. Tile Roofs, Inc. Vande Hey Raleigh Mfg.

Tile Roofing, Custom Colors & Shapes Boston Valley Terra Cotta Gladding, McBean - Div. of Pacific Coast Bldg. Vande Hey Raleigh Mfg.

Tile Roofing, Salvaged Tile Roofs, Inc. Vande Hey Raleigh Mfg. Longwood Antique Woods Maine Mountain Post & Beam

Barns, Antique & Salvaged See Section 18

Bathtubs, Antique Original See Section 13

Brick, Salvaged Brandt, Sylvan Carlson's Barnwood Co. Eagle Creek Designs, Inc. Timbers, Antique & Salvaged Architectural Heritage, Inc. Aurora Mills Architectural Salvage Authentic Wood Floors, Inc. Board and Beam Brandt, Sylvan Carlson's Barnwood Co. Chestnut Specialists, Inc. Conklin's Authentic Barnwood Country Road Associates, Ltd. Iowa Barn Savers Kronenberger & Sons Restoration Longleaf Lumber, LLC

Longwood Antique Woods

#### FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

Maine Mountain Post & Beam Village Restorations & Consulting, Inc. What It's Worth

Wood Boards, Antique & Salvaged Architectural Heritage, Inc. Authentic Wood Floors, Inc. Board and Beam Carlson's Barnwood Co. Chestnut Specialists, Inc. Conklin's Authentic Barnwood Country Road Associates, Ltd. East Teak Fine Hardwoods, Inc. Iowa Barn Savers Kronenberger & Sons Restoration Longleaf Lumber, LLC Longwood Antique Woods What It's Worth

Wood Flooring, Antique See Section 7



Balustrades See Section 6

Brick, Custom Belden Brick Co. Old Carolina Brick Co.

Brick, Face Belden Brick Co. Old Carolina Brick Co.

Brick, Handmade Old Carolina Brick Co.

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Brick, Paving See Pavers, Brick, in Section 9

Brick, Salvaged See Section 16

Brick, Special Shapes Belden Brick Co. Old Carolina Brick Co.

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

#### Cast Stone, Custom Casting A&M Victorian Decorations, Inc. Cantera Especial Canterland of Mexico Haddonstone (USA), Ltd. Kenneth Lynch & Sons, Inc.

Haddonstone (USA), Ltd. Kenneth Lynch & Sons, Inc. Lehigh Cement Company, White Cement Div. Stone Decora Towne House Restorations

**Concrete Colorants** See Masonry Coloring Materials

**Epoxies for Masonry Repair** See Masonry Repair Materials Masonry Conservation & Consulting Services See Conservation Services, Architectural, in Section 14

Masonry Paint Strippers Abatron, Inc.

Masonry Repair Materials Abatron, Inc.

Masonry Restoration Contracting Canning Studios Kronenberger & Sons Restoration Nicholson & Galloway Restoric, LLC Watertrol, Inc.

Masonry Waterproofers Weathercap, Inc.

Mortar Joint Protection Weathercap, Inc.

Mortar, Custom Mixes Graymont Dolime (OH), Inc.

Mortar, Historical Mixes Graymont Dolime (OH), Inc.

Mortar, Lime Graymont Dolime (OH), Inc.

Mortar, Masonry Patching See Masonry Repair Materials

Pavers See Section 9

Silicate-Based Paints See Masonry Coloring Materials

Stone Patching See Masonry Repair Materials

Stone Paving See Pavers, Stone, in Section 9

Stone Setting See Masonry Restoration Contracting

#### Stone, Building

Champlain Stone, Ltd. Eagle Creek Designs, Inc. Village Restorations & Consulting, Inc.

Stone, Dimensional Cut Architectural Stone Masonry Cantera Especial Canterland of Mexico Champlain Stone, Ltd. Rossi USA Corp. Stone Decora Traditional Cut Stone, Ltd.

#### Stone, Hand Carved

Architectural Stone Masonry Cantera Especial Canterland of Mexico Rossi USA Corp. Saint-Jacques Artisans Workshops Stone Decora

Stone, Salvaged See Section 16

Stone, Veneer Champlain Stone, Ltd. Eldorado Stone

Stucco Finishes Graymont Dolime (OH), Inc.

Terra-Cotta Restoration Materials Gladding, McBean - Div. of Pacific Coast Bldg. No 9 Studio UK

Terra-Cotta Substitutes Architectural Fiberglass Corp. Towne House Restorations

Terra Cotta, Clay Based Boston Valley Terra Cotta Gerald Siciliano Studio Design Associates Gladding, McBean - Div. of Pacific Coast Bldg. No 9 Studio UK

#### Terra Cotta, Custom Duplication

Boston Valley Terra Cotta Gladding, McBean - Div. of Pacific Coast Bldg. No 9 Studio UK Towne House Restorations

#### Waterproofing

See Masonry Waterproofers



Barns, Antique & Salvaged Aurora Mills Architectural Salvage Board and Beam Carlson's Barnwood Co. Country Road Associates, Ltd. Eagle Creek Designs, Inc. Hugh Lofting Timber Framing, Inc. Iowa Barn Savers Kronenberger & Sons Restoration Maine Mountain Post & Beam Village Restorations & Consulting, Inc.

Barns, Design Services Hugh Lofting Timber Framing, Inc. Maine Mountain Post & Beam

#### Barns, Kits

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

#### Barns, New

Country Carpenters, Inc. Early New England Homes by Country Carpenters Hugh Lofting Timber Framing, Inc. Kronenberger & Sons Restoration

#### **Timber-Frame Restoration Contracting**

Eagle Creek Designs, Inc. FreeState Timbersmiths Great Northern Barns Hugh Lofting Timber Framing, Inc. Iowa Barn Savers Maine Mountain Post & Beam Restoric, LLC Village Restorations & Consulting, Inc.

#### Timber Frames, Antique & Salvaged

Aurora Mills Architectural Salvage Authentic Wood Floors, Inc. Carlson's Barnwood Co. Great Northern Barns Hugh Lofting Timber Framing, Inc. Kronenberger & Sons Restoration Maine Mountain Post & Beam Village Restorations & Consulting, Inc.

#### Timber Frames, New

FreeState Timbersmiths Great Northern Barns Hugh Lofting Timber Framing, Inc. Kronenberger & Sons Restoration Liberty Head Post & Beam Maine Mountain Post & Beam Timberpeg Vermont Timber Works, Inc.

#### **Timber Trusses**

Authentic Wood Floors, Inc. Country Road Associates, Ltd. FreeState Timbersmiths Great Northern Barns Hugh Lofting Timber Framing, Inc. Kronenberger & Sons Restoration Timberpeg Vermont Timber Works, Inc.



Tools, Masonry Trow & Holden

Tools, Moisture Meters Lignomat USA, Ltd.

Tools, Stone Carving Trow & Holden

Water-Jet Cutting Architectural Grille Colorado Waterjet Co. Kees Architectural Division



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

Architectural Millwork See Millwork

Balusters See Staircase Parts

**Façade Restoration** 

See Masonry Restoration Contracting

#### Joint Protection See Mortar Joint Protection

Masonry & Stone Tools See Tools, Masonry, and Tools, Stone Carving, in Section 19

#### Masonry Cleaners Abatron, Inc.

Masonry Coloring Materials Abatron, Inc. Eagle Creek Designs, Inc. Florentine Craftsmen, Inc. Gerald Siciliano Studio Design Associates Rossi USA Corp. Saint-Jacques Artisans Workshops Stone Decora Traditional Cut Stone, Ltd.

**Stone, Landscape** See Landscape Stone in Section 9

Stone, Machine Carved Cantera Especial Canterland of Mexico Champlain Stone, Ltd. Liberty Head Post & Beam Maine Mountain Post & Beam

Barns, Plans Hugh Lofting Timber Framing, Inc.

Insulating Panels Extrutech Plastics, Inc.

#### **Timber-Frame Design Services**

FreeState Timbersmiths Hugh Lofting Timber Framing, Inc. Liberty Head Post & Beam Maine Mountain Post & Beam Timberpeg Beams See Timbers

Blinds See Shutters in Section 4

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

#### Boards, Wide

See Wood Flooring, Wide Board, in Section 7

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

#### Brackets

See Section 6 for Exterior and Section 8 for Interior

#### **Cabinets**, Custom

Country Road Associates, Ltd. Cumberland Woodcraft Co. Genbrook Millwork Inc. Saint-Jacques Artisans Workshops

#### Cabinets, Kitchen

See Kitchen Cabinets in Section 13

#### **Carvings**, Custom

Agrell Architectural Carving Ltd. Cumberland Woodcraft Co. Goodwin Associates Khechoyan's Carvings & Tools, LLC Klitsas, Dimitrios - Fine Wood Sculptor Michael A. Dow - Woodcarver Saint-Jacques Artisans Workshops Wilbur, Frederick - Woodcarver

#### **Carvings, Hand Carved**

A-Art/B. Rasmussen, Ltd. Agrell Architectural Carving Ltd. Cumberland Woodcraft Co. Goodwin Associates Khechoyan's Carvings & Tools, LLC Klitsas, Dimitrios - Fine Wood Sculptor Michael A. Dow - Woodcarver Saint-Jacques Artisans Workshops White River Hardwoods-Woodworks Wilbur, Frederick - Woodcarver

#### **Carvings, Machine Carved**

Cumberland Woodcraft Co. Goodwin Associates Woodline Co.

#### **Carvings, Standard Designs**

Goodwin Associates Khechoyan's Carvings & Tools, LLC Wilbur, Frederick - Woodcarver

#### Casework

Cumberland Woodcraft Co.

#### 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

**Epoxies for Wood Repair** See Wood Restoration Materials

Gingerbread See Millwork, Victorian

#### Grilles

Cumberland Woodcraft Co. Heat Registers.com Reggio Register Co., The Vintage Woodworks Wightman Specialty Woods Wood Window Workshop

#### Millwork, Exterior

Century Architectural Specialties Cumberland Woodcraft Co. East Teak Fine Hardwoods, Inc. Genbrook Millwork Inc. Jim Illingworth Millwork, LLC Maurer & Shepherd, Joyners Pagliacco Turning & Milling Superior Moulding, Inc. Vintage Woodworks Wightman Specialty Woods

#### Millwork, Historical Replicas

Cumberland Woodcraft Co. Eagle Creek Designs, Inc. Flex Moulding, Inc. Genbrook Millwork Inc. Jim Illingworth Millwork, LLC Maurer & Shepherd, Joyners Michael A. Dow - Woodcarver Pagliacco Turning & Milling Restoric, LLC Superior Moulding, Inc. Tidewater Millwork Wood Window Workshop

#### Millwork, Interior

Century Architectural Specialties Cumberland Woodcraft Co. East Teak Fine Hardwoods, Inc. Genbrook Millwork Inc. Jim Illingworth Millwork, LLC Maurer & Shepherd, Joyners Michael A. Dow - Woodcarver Pagliacco Turning & Milling Superior Moulding, Inc. Tidewater Millwork Vintage Woodworks White River Hardwoods-Woodworks Wightman Specialty Woods

#### **Millwork, Standard Designs**

Cumberland Woodcraft Co. Jim Illingworth Millwork, LLC Pagliacco Turning & Milling Tidewater Millwork Wightman Specialty Woods

#### Millwork, Victorian

Carlson's Barnwood Co. Century Architectural Specialties Cumberland Woodcraft Co. Jim Illingworth Millwork, LLC Michael A. Dow - Woodcarver Pagliacco Turning & Milling Superior Moulding, Inc. Vintage Woodworks

Moldings, Compo Decorators Supply Corp.

Jim Illingworth Millwork, LLC

#### Moldings, Custom

Agrell Architectural Carving Ltd. Columns.com East Teak Fine Hardwoods, Inc. Michael A. Dow - Woodcarver Pagliacco Turning & Milling Restoric, LLC Superior Moulding, Inc. Tidewater Millwork Wilbur, Frederick - Woodcarver

#### Moldings, Polymer

See Section 8

#### Moldings, Standard Designs

East Teak Fine Hardwoods, Inc. Jim Illingworth Millwork, LLC Van Dyke's Restorers Wightman Specialty Woods Woodline Co.

#### Moldings, Wood

Agrell Architectural Carving Ltd. East Teak Fine Hardwoods, Inc. Historic Doors Jim Illingworth Millwork, LLC Maurer & Shepherd, Joyners Michael A. Dow - Woodcarver Pacific Columns Superior Moulding, Inc. Tidewater Millwork Van Dyke's Restorers Vintage Woodworks White River Hardwoods-Woodworks Wightman Specialty Woods Wilbur, Frederick - Woodcarver Woodline Co.

#### Moldmaking & Casting Materials

See Interior Molded Ornament, Custom Models & Moldmaking, in Section 8

#### **Paneling**, Custom

Century Architectural Specialties Cumberland Woodcraft Co. East Teak Fine Hardwoods, Inc. Genbrook Millwork Inc. IntriG Jim Illingworth Millwork, LLC Maurer & Shepherd, Joyners

Saint-Jacques Artisans Workshops Wightman Specialty Woods Wood Window Workshop

#### Paneling, Standard Designs

Cedar Valley Shingle Systems Century Architectural Specialties Genbrook Millwork Inc. Jim Illingworth Millwork, LLC Vintage Woodworks Wightman Specialty Woods

#### Registers

Heat Registers.com Jim Illingworth Millwork, LLC

#### Staircase Parts, Balusters

Adams Stair Works & Carpentry, Inc. Fagan Design & Fabrication, Inc. Goddard Mfg. Co. Jim Illingworth Millwork, LLC Klitsas, Dimitrios - Fine Wood Sculptor Moulding Associates, Inc. (MAi)

#### **Staircase Parts, Newel Posts**

Adams Stair Works & Carpentry, Inc. Fagan Design & Fabrication, Inc. Goddard Mfg. Co. Jim Illingworth Millwork, LLC Klitsas, Dimitrios - Fine Wood Sculptor Moulding Associates, Inc. (MAi) MWT Custom Wood Working, LLC Pagliacco Turning & Milling Sterling Staircase & Handrail Vintage Woodworks Wilbur, Frederick - Woodcarver Woodline Co.

#### Stairs, Curved

Adams Stair Works & Carpentry, Inc. Genbrook Millwork Inc. Sterling Staircase & Handrail

#### Stairs, Custom

Adams Stair Works & Carpentry, Inc. Goddard Mfg. Co. Kronenberger & Sons Restoration Sterling Staircase & Handrail

#### Stairs, Monumental

Adams Stair Works & Carpentry, Inc. Sterling Staircase & Handrail

#### Stairs, Spiral

Adams Stair Works & Carpentry, Inc. Goddard Mfg. Co. Sterling Staircase & Handrail

#### Stairs, Straight

Adams Stair Works & Carpentry, Inc. Genbrook Millwork Inc. Sterling Staircase & Handrail

**Timbers, Antique & Salvaged** See Section 16

#### **Timbers, Custom Cut**

Board and Beam Village Restorations & Consulting, Inc.

#### **Timbers**, Large

Board and Beam Carlson's Barnwood Co. Iowa Barn Savers

#### **Turnings**, Custom

Fagan Design & Fabrication, Inc. Jim Illingworth Millwork, LLC MWT Custom Wood Working, LLC

#### **Turnings, Standard Designs**

Jim Illingworth Millwork, LLC Moulding Associates, Inc. (MAi) MWT Custom Wood Working, LLC Vintage Woodworks

Veneers & Inlays Genbrook Millwork Inc.

Wood Finishes Abatron, Inc.

#### Wainscoting

#### Millwork, Custom

Architectural Components, Inc. Carlisle Wide Plank Floors Craftsman Lumber Co. De Groot Historical Restoration, Inc. East Teak Fine Hardwoods, Inc. Genbrook Millwork Inc. Maurer & Shepherd, Joyners Pagliacco Turning & Milling Saint-Jacques Artisans Workshops Superior Moulding, Inc. Tidewater Millwork White River Hardwoods-Woodworks Genbrook Millwork Inc. Jim Illingworth Millwork, LLC Klitsas, Dimitrios - Fine Wood Sculptor Michael A. Dow - Woodcarver Superior Moulding, Inc. Tidewater Millwork White River Hardwoods-Woodworks Wightman Specialty Woods Wilbur, Frederick - Woodcarver Wood Window Workshop

Moldings, Historical Replicas Jim Illingworth Millwork, LLC Maurer & Shepherd, Joyners MWT Custom Wood Working, LLC Pacific Columns Pagliacco Turning & Milling Vintage Woodworks Woodline Co.

#### **Staircase Parts, Handrails**

Adams Stair Works & Carpentry, Inc. East Teak Fine Hardwoods, Inc. Jim Illingworth Millwork, LLC MWT Custom Wood Working, LLC Sterling Staircase & Handrail Vintage Woodworks See Paneling

Wood Preservatives PRG, Inc.

#### **Wood Restoration Contracting**

Allegheny Restoration & Builders, Inc. De Groot Historical Restoration, Inc. Restoric, LLC Saint-Jacques Artisans Workshops

Wood Restoration Materials Abatron, Inc.

FOR FULL CONTACT INFORMATION ON THESE COMPANIES, CONSULT THE SOURCELIST ON P. 44.

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A&M Victorian Decorations, Inc. 800-671-0693; Fax: 626-575-1781 www.aandmvictorian.com South El Monte, CA 91733	Manufacturer of architectural elements: mold- ing, columns, balustrades, wall caps, coping, fountains, planters, gazebos & more than 70 styles of mantels; gypsum & cast stone; cus- tom designs.	Call for more information.
A-Art/B. Rasmussen, Ltd. 314-962-1842; Fax: 314-962-4816 www.bestofmissourihands.org Saint Louis, MO 63144	Art studio: signs, sculpture, wood carvings, decorative painting & gilding; custom designs; restoration, replication & refinishing; profes- sional-opinion replacement cost estimates for insurance purposes.	Write in No. 821
AAMSCO Lighting, Inc. 843-278-0000; Fax: 843-278-0001 www.ferrowatt.com Summerville, SC 29483	Manufacturer of Ferrowatt-brand Edison-repro- duction light bulbs: early carbon, 1910 Mazda tungsten & other models.	Write in No. 2240
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, mold-making & casting, structural adhesives, protective coatings, strippers & related products.	Write in No. 1300
Above View by Tiles, Inc. 414-744-7118; Fax: 414-744-7119 www.aboveview.com Milwaukee, WI 53221	Supplier of suspended plaster ceiling tile & exotic wall panels: gypsum & other non-com- bustible aggregates.	Write in No. 1537
Acorn Forged Iron 508-339-4500; Fax: 508-339-0104 www.acornmfg.com Mansfield, MA 02048	Supplier of forged-iron & forged stainless-steel decorative hardware: cabinet, shutter, gate & interior & exterior door hardware; cast-iron reg- isters & grilles; hand-forged bath accessories; hand-forged decorative-head nails.	Write in No. 1690
Adams Stair Works & Carpentry, Inc. 847-223-1177; Fax: 847-223-1188 www.adamsstair.com Grayslake, IL 60030	Supplier of staircases & stair parts: circular, spiral, straight, glass & custom shapes; stair kits; historical restoration, custom turnings & profiles; oak & other species.	Write in No. 610
Agrell Architectural Carving Ltd. 415-457-4422; Fax: 415-457-4464 www.agrellcarving.com San Rafael, CA 94901	Custom fabricator of architectural wood carv- ings: custom hand-carved decorative molding, interior & exterior columns, capitals, turnings, mantels & onlays; ecclesiastical furnishings.	
Al Bar-Wilmette Platers 847-251-0187; Fax: 847-251-0281 www.albarwilmette.com Wilmette, IL 60091	Restorer of lighting fixtures & antique hard- ware: period crystal & metal light fixtures; bronze, brass, copper, nickel, pewter, gold, sil- ver & chrome; matching of existing hardware in restoration projects; will match any finish.	Write in No. 2636
Allegheny Restoration & Builders, Inc. 304-594-2570; Fax: 304-594-2810 www.alleghenyrestoration.com Morgantown, WV 26507	Manufacturer of reproduction & custom wood doors & windows: window replication, restora- tion & repair; hardware replacement; store- fronts & ecclesiastical projects.	Write in No. 1004
Allen Architectural Metals, Inc. 800-204-3858; Fax: 256-761-1967 www.allenmetals.com Talladega, AL 35161	Manufacturer of ornamental metal: street amenities, signage, lighting, columns, building components, doors, cupolas, finials, cresting, architectural elements, canopies, bollards, rail- ings & grilles; variety of alloys & finishes.	Write in No. 1005
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.	Write in No. 690
AlpineSnowGuards.com 888-766-4273; Fax: 888-766-9994 www.alpinesnowguards.com Morrisville, VT 05661	Manufacturer of snow-retention devices for every roof type: pad & pipe styles; copper, alu- minum, brass & zinc; custom; easy to install; free advice & recommended layout patterns for delivering snow retention solutions.	Write in No. 145
American Clay Enterprises, Inc. 866-404-1634, Fax: 505-244-9332 www.americanclay.com Albuquerque, NM 87102	Supplier of finishes for walls & ceilings: clays, aggregates & natural pigments; alternative to plaster & gypsum; non-flammable, resists mold; 'green' Marittimo finish made of re- claimed shells.	Write in No. 1906
American Restoration Tile, Inc. 501-455-1000; Fax: 501-455-1004 www.restorationtile.com Mabelvale, AR 72103	Custom manufacturer of historical tile: for fire- places, flooring, kitchens, baths & custom mosaics; restoration & new construction; cus- tom matching of glazed & unglazed tile.	Write in No. 8032
American Slate Company 800-553-5611; Fax: 925-977-4885 www.americanslate.com Walnut Creek, CA 94596	Supplier of slate roofing tile: 16- & 24-in. sizes; colors ranging from grays & greens to black, purple & multi-colors: other sizes & graduated roofing on request; thickness up to $1^{1}/_{4}$ in. in some colors; slate flooring.	Write in No. 2723
American Tin Ceiling Co. 888-231-7500; Fax: 941-359-8776 www.americantinceilings.com Bradenton, FL 34203	Supplier of tin ceiling panels: SnapLock system screws directly into drywall, drop-in & screw-in installation; many styles; molding; 45 colors.	Write in No. 1822

	Kess and A	
Company Annapolis Weathervanes and Cupolas	Specialty Manufacturer & distributor of weathervanes,	Literature Write in
888-899-8493; Fax: 410-757-5637 www.weathervaneandcupola.com Annapolis, MD 21401	finials, banners, roof caps & cupolas: stock & custom designs; cupolas in vinyl, cedar, mahogany & pine.	No. 657
<b>Antique Lumber Co.</b> 407-673-5621; No fax 1314 S Riverside Dr. New Smyrna Beach, FL 32168	Supplier of antique heart pine & other lumber: resawn heart-pine beams, doors & architectur- al elements; made from salvaged lumber.	Write in No. 1457
AquaMaster Fountains & Aerators 800-693-3144; Fax: 920-693-3634 www.aquamasterfountains.com Kiel, WI 53042	Manufacturer of fountain aerators: designed to aid decomposition of organic solids & prevent algae blooms; 33 spray patterns with 0.5- to 25-hp motors; all 1-hp & larger units have a 3- year warranty; UL listed.	Write in No. 461
Archistoric Products 312-829-6290; Fax: 312-829-6292 www.archistoric.com Chicago, IL 60608	Custom fabricator of lighting: chandeliers, sconces, pendants & lanterns; Early American, Arts & Crafts, Art Deco & more; antique, sal- vaged & new designs; historical reproduction & restoration services; UL listed.	
Architectural Area Lighting, Inc. 714-994-2700; Fax: 714-994-0522 www.aal.net La Mirada, CA 90638	Manufacturer of specification-grade traditionally styled lighting: lanterns, poles & arms; flood- lights, step lights, wall sconces, bollards & cus- tom-designed fixtures; many sizes & materials.	Write in No. 1702
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 insu- lated glass; wood-framed storm sash & screens; renovation & restoration projects & new construction; paneled walls & storefronts; catalog \$5.	Call for more information.
Architectural Detail Corp. 435-753-0800; Fax: 435-755-0852 www.fiberglasscolumns.com Logan, UT 84321	Manufacturer & installer of authentic, light- weight interior & exterior architectural orna- ment in fiberglass: columns, capitals, bases, niches, domes & ceiling rosettes; any size; patent-pending Surefit Reassembly System.	
Architectural Fiberglass Corp. 800-439-2000; Fax: 631-842-4790 www.afcornice.com Copiague, NY 11726	Fabricator of reproduction ornament: cornice molding, columns, capitals, balustrades & themed interior environments; lightweight FRP; molded-in colors & textures; class-1 fire-retar- dant material; weather resistant; easy to install.	Write in No. 6400
Architectural Grille 800-387-6267; Fax: 718-832-1390 www.archgrille.com Brooklyn, NY 11215	Manufacturer of custom grilles: perforated & linear bar grilles; aluminum, brass, steel & stainless steel; variety of finishes; stock sizes; water-jet & laser cutting.	Write in No. 2220
Architectural Heritage, Inc. 205-322-3538; Fax: 205-323-0084 www.architecturalheritage.com Birmingham, AL 35233	Supplier of European architectural antiques: doors, mantels, garden elements, outdoor light- ing, wood wall paneling & more; refurbishing & redecorating.	Write in No. 2638
Architectural Iron Co. 800-442-4766; Fax: 570-296-4766 www.architecturaliron.com Milford, PA 18337	Manufacturer of historical wrought- & cast-iron items: columns, benches, fences, gates, crest- ing, cast-iron window sash weights & more, restoration & custom casting; foundry & black- smithing; field removal & installation services.	Write in No. 1504
Architectural Pottery 888-ARCH-POT; Fax: 714-898-5109 www.archpot.com Midway City, CA 92655	Importer of handcrafted Italian & Greek statuary & other items: terra-cotta urns & ornament; hand-carved Italian limestone & English-style stone reproductions; balustrades, columns, benches, bollards, fountains & trash receptacles.	Write in No. 20
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.	Write in No. 1088
Architectural Reproductions by Timeless 800-665-4341; Fax: 770-205-1447 www.timelessarchitectural.com Cumming, GA 30041	Manufacturer of architectural ornament: balustrade systems; interior & exterior architec- tural fiberglass & wood columns; decorative capitals, molding & millwork.	Write in No. 1414
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.	Write in No. 1670
Architectural Stone Masonry 604-270-9677; Fax: 604-270-9637 www.stonemasonsarch.com Richmond, BC, Canada V6V 3B6	Fabricator of custom natural-stone products: mantels, stairways, balustrades, Classical columns, exterior wall cladding in smooth & split- face textures, crown moldings & profiled window & door treatments; limestone & sandstone.	Write in No. 1656
Aristone Designs, Inc. 800-369-8118; Fax: 480-967-1181 www.aristonedesigns.com Tempe, AZ 85281	Manufacturer of precast products: columns, man- tels, molding, trim & balustrades; concrete, plas- ter & GFRC; custom colors & finishes; stock & custom work; in-house moldmaker; since 1964.	Write in No. 1555
Art Casting of Illinois, Inc. 815-732-7777; Fax: 815-732-7475 www.harryspell.com Oregon, IL 61061	Manufacturer of cast-bronze sculpture: pick-up, conservation, restoration & installation; mold- making, patination, fabrication, off-site laser scanning & digital sculpting; etchings & prints through Adagio Fine Art Gallery.	Write in No. 2705

Company	Specialty	Literature	Company	Specialty	Literature
Art Design Group 717-394-4994; Fax: 717-290-1309 www.e-art-design.com Mountville, PA 17554 Aurora Mills Architectural Salvage	Sculptor: custom & standard designs; monu- mental & garden sculpture; fountains.	Write in No. 1793	Boston Valley Terra Cotta 888-214-3655; Fax: 716-649-7688 www.bostonvalley.com Orchard Park, NY 14127	Custom fabricator of architectural terra-cotta products: roof tile & Terraclad (rain-screen sys- tem); columns/capitals, cornices, balustrades, garden sculpture & chimneys; standard & custom shapes & colors; replacements & new designs.	Write in No. 160
503-678-6083; Fax: 503-678-3299 www.auroramills.com Aurora, OR 97002	Architectural salvage: building components & materials; artwork; bath fixtures; doors; furni- ture; garden decor; hardware; iron; lighting; terra cotta, brick & tile; windows; woodwork.		Bovard Studio, Inc. 800-452-7796; Fax: 641-472-0974 www.bovardstudio.com	Restorer, designer & fabricator of stained-glass windows: wood, aluminum & steel frames; protec- tive glazing systems; replicates lost stained-glass	Write in No. 7690
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.	Write in No. 60	Fairfield, IA 52556 Brandon Industries, Inc. 800-247-1274; Fax: 972-542-1015	windows; faceted glass; mosaics; hand-painted kiln-fired original art glass. Manufacturer & distributor of Classical orna- mental metalwork: lampposts, wall sconces,	Write in No. 73
Authentic Provence, Inc. 561-805-9995; Fax: 561-805-5730 www.authenticprovence.com West Palm Beach, FL 33401	Importer & distributor of antique hand-carved stone garden ornament: French limestone & Italian marble; antique gates, wrought-iron & wood gates & trellis; hand-sculpted fountains, plaques, terra-cotta planters, gazebos & pavilions.	Write in No. 8163	www.brandonindustries.com McKinney, TX 75069 Brandt, Sylvan 717-626-4520; Fax: 717-626-5867 www.sylvanbrandt.com	deck mounts, signage & plaques, mailboxes & more in aluminum. Manufacturer of salvaged wood flooring, ceiling boards & paneling: wide board, random width & weatherboard (barn siding); chestnut, oak,	
Authentic Wood Floors, Inc. 800-765-3966; Fax: 717-428-0464 www.authenticwoodfloors.com	Supplier of reclaimed lumber from barns & warehouses: recycled into flooring, beams, paneling, molding, wainscoting & other prod-	Write in No. 8000	Lititz, PA 17543 Brian Greer's Tin Ceilings, Walls & Unique Metal Work	pine, heart pine, cypress, walnut, hemlock, fir & hickory; other antique building materials. Supplier of decorative tin ceiling panels: tin,	
Glen Rock, PA 17327 AZEK Building Products, Inc. 877-275-2935; Fax: 570-504-1215 www.azek.com	ucts; milled & kiln dried. Manufacturer of PVC exterior trim products: trimboards, sheets, beadboards, cornerboards & millwork.	Write in No. 1428	519-743-9710; Fax: 519-570-1447 www.tinceiling.com Petersburg, ON, Canada NOB 2H0	copper, brass, chrome & pewter finishes on 2x2-ft. panels; can be painted or left bright tin; moldings, fillers & cornices available.	
Scranton, PA 18505 Ball & Ball Hardware 610-363-7330; Fax: 610-363-7639 www.ballandball.com	Custom manufacturer & supplier of ornamental metalwork & hardware: door, window, shutter & furniture hardware; fireplace tools; wrought	Write in No. 2930	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.	Write in No. 7130
Exton, PA 19341 Ball & Ball Lighting 610-363-7330; Fax: 610-363-7639	iron, steel, aluminum, bronze, brass, copper & cast iron; custom reproductions. Fabricator of historical lighting: chandeliers, sconces, pendants, lanterns & table lamps;	Write in No. 7660	Brusso Inc. 212-337-8510; Fax: 212-337-9840 www.brusso.com New York, NY 10013	Manufacturer of cabinet & furniture hardware: handles, latches, hinges, quadrants, shelf pins, stays, feet, hooks & templates; solid brass & stainless steel.	Write in No. 1836
www.ballandball.com Exton, PA 19341	Early American & Turn of the Century styles; antique & salvaged originals, new designs, cus- tom work & reproductions; restoration services.		Building Conservation Associates 212-777-1300; Fax: 212-777-1606 www.bcausa.com	Consulting firm: project management, condi- tions survey, plans & specs, cost estimating & feasibility reports, materials testing & lab	Write in No. 1673
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, polyure- thane & silicone for moldmaking; GFRC, gypsum, polymer-modified gypsum, plaster & polyure- thane casting compounds; terra-cotta substitutes.	Write in No. 7260	New York, NY 10001 C&J Metal Products 800-500-8660; Fax: 562-634-8823 www.cjmetals.com	analysis; for historic buildings, monuments & fine art. Manufacturer & supplier of architectural sheet- metal elements: roof dormer vents, finials, spires, dormers, canopies, leader heads &	Write in No. 596
<b>Baltica</b> 866-830-9174; Fax: 310-349-3443 www.baltica.com Vilnius, Lithuania	Manufacturer of handcrafted, European-made door, window & cabinet hardware: cremone bolts, doorknobs & knockers, hinges, lever han- dles, push plates & more; Gothic & Baroque; showrooms worldwide.	Write in No. 411	Long Beach, CA 90805 Campbellsville Industries, Inc. 800-467-8135; Fax: 270-465-6839 www.cvilleindustries.com	chimney tops; restoration & duplication. Manufacturer & installer of architectural metal- work: steeples, cupolas, street clocks, railings, balustrades, finials, domes, weathervanes &	
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.	Write in No. 5830	Campbellsville, KY 42718 Canning Studios 203-272-9868; Fax: 203-272-9879 www.canning-studios.com Cheshire, CT 06410	louvers; aluminum, copper, zinc & lead-coated copper. Restorer & designer of decorative finishes, orna- mental plaster & wood: historic-paint analysis; plaster consolidation & stabilization; decorative painting, murals, interior & exterior gilding & wood graining; metal & stone cleaning.	Write in No. 5100
Bathroom Machineries, DEA 209-728-2031; Fax: 209-728-2320 www.deabath.com Murphys, CA 95247	Supplier of Early American & Victorian bath- room fixtures & accessories: antique & repro- duction clawfoot tubs, high-tank toilets, pedestal sinks, mirrors & many one-of-a-kind items.	Write in No. 1725 for plumbing; 5860 for hardware	Cantera Especial 800-564-8608; Fax: 818-907-0343 www.cantera-especial.com Pacific Palisades, CA 90272	Custom hand carver of natural-stone products made from limestone, cantera, adoquin, traver- tine, marble & sandstone quarried in Europe & Mexico: fireplaces, fountains, planters, columns,	Write in No. 31
Belden Brick Co. 330-456-0031; Fax: 330-456-2694 www.beldenbrick.com Canton, OH 44702	Manufacturer of brick: variety of colors, textures, sizes, stock & custom shapes; color matching; jack arches, water tables, bullnoses, coping caps, pavers, face brick, brick sculpture & more.		Canterbury International 323-936-7111; Fax: 323-936-7115 www.canterburyintl.com	balustrades, benches, molding & sculpture.           Designer & manufacturer of architectural site furnishings: clocks, benches, sculpture & custom products; for more than 40 years.	
Bell Bird Control 800-932-0733; Fax: 973-575-1177 www.bellbirdcontrol.com Parsippany, NJ 07054	Manufacturer & installer of aesthetic solutions to pest bird problems: custom patented sys- tem, color matched & low profile; for historic- style structures & other buildings.	Write in No. 1682	Los Angeles, CA 90016 Canterland of Mexico 800-564-8608; Fax: 818-907-0343 www.canterlandmex.com	Factory-direct manufacturer of Yucatan lime- stone products: fountains, mantels, balustrades, stairs, columns, countertops &	Write in No. 1825
Bendheim Glass Co. 800-221-7379; Fax: 973-471-3475 www.restorationglass.com Passaic, NJ 07055	Supplier of mouth-blown restoration window glass: resembles glass made before the advent of modern window glass; slight distortions, occasional pits & imperfections; 2 styles, light & heavy.	Write in No. 641	Pacific Palisades, CA 90272 Cape Cod Cupola Co. 508-994-2119; Fax: 508-997-2511 www.capecodcupola.com North Dartmouth, MA 02747	more; in Coquina, Ticul & Crema Maya stone. Manufacturer of cupolas: with windows or louvers; in finish pine or AZEK (PVC); weather- vanes & finials.	Write in No. 1514
Bergerson Cedar Windows, Inc. 800-240-4365; Fax: 503-861-0316 www.bergersonwindow.com Hammond, OR 97121	Custom manufacturer of historical doors & windows in western red cedar: complete cus- tom units or sash only; interior & exterior storm windows; crisp milling detail; shop draw- ings included; restoration work; since 1977.	Write in No. 83	Capri Cork 800-492-2613; No fax http:www.capricork.com Lancaster, PA 17601	Manufacturer of cork floor tiles: also recycled rubber floor tiles combined with post-industrial cork; many colors; eligible for LEED credits.	
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.	Write in No. 166	Carlisle Wide Plank Floors 800-595-9663; Fax: 603-446-3540 www.wideplankflooring.com Stoddard, NH 03464	Custom manufacturer of traditional wide-plank flooring & paneling: hand selected from antique & old-growth pine & hardwoods; deals directly with homeowners, builders, architects & spe- cialists in historic restoration & reproduction.	
Bird-X, Inc. 800-662-5021; Fax: 312-226-2480 www.bird-x.com/tbd Chicago, IL 60607	Manufacturer of bird & pest control products: SPIKES Needle Strips, sticky gels, nets, ultra- sonic & visual devices; for landmark status, museums, industrial, commercial & residential properties.	Write in No. 3230	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.	Write in No. 2744
Board and Beam 860-868-6789; Fax: 860-868-0721 www.boardandbeam.com Washington Depot, CT 06793	Supplier of antique barns & houses & lumber: hand-hewn beams, wood flooring, Shaker-style tables in oak, white & yellow pine, chestnut; Federal entryways, doors, windows; restoration of Colonial structures.	Write in No. 2763	Cedar Valley Shingle Systems 800-521-9523; Fax: 831-636-9035 www.cedar-valley.com Hollister, CA 95023	Supplier of premium-grade architectural cedar shingle panels: exposures of 4.25-, 5.3- & 7 1/8-in.; straight or staggered butt lines; all are 96x21-in.	Write in No. 1832

Company	Specialty	Literature	Company	Specialty	Literature
Art Design Group 717-394-4994; Fax: 717-290-1309 www.e-art-design.com Mountville, PA 17554	Sculptor: custom & standard designs; monu- mental & garden sculpture; fountains.	Write in No. 1793	Boston Valley Terra Cotta 888-214-3655; Fax: 716-649-7688 www.bostonvalley.com Orchard Park, NY 14127	Custom fabricator of architectural terra-cotta products: roof tile & Terraclad (rain-screen sys- tem); columns/capitals, cornices, balustrades, garden sculpture & chimneys; standard & custom	Write in No. 160
Aurora Mills Architectural Salvage 503-678-6083; Fax: 503-678-3299 www.auroramills.com Aurora, OR 97002	Architectural salvage: building components & materials; artwork; bath fixtures; doors; furni- ture; garden decor; hardware; iron; lighting; terra cotta, brick & tile; windows; woodwork.		Bovard Studio, Inc. 800-452-7796; Fax: 641-472-0974 www.bovardstudio.com	shapes & colors; replacements & new designs. Restorer, designer & fabricator of stained-glass windows: wood, aluminum & steel frames; protec- tive glazing systems; replicates lost stained-glass	Write in No. 7690
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 &	Write in No. 60	Fairfield, IA 52556 Brandon Industries, Inc. 800-247-1274; Fax: 972-542-1015	windows; faceted glass; mosaics; hand-painted kiln-fired original art glass. Manufacturer & distributor of Classical orna- mental metalwork: lampposts, wall sconces,	Write in No. 73
Authentic Provence, Inc. 561-805-9995; Fax: 561-805-5730	damp locations; library binder \$15. Importer & distributor of antique hand-carved stone garden ornament: French limestone &	Write in No. 8163	www.brandonindustries.com McKinney, TX 75069	deck mounts, signage & plaques, mailboxes & more in aluminum.	NO. 73
vww.authenticprovence.com Vest Palm Beach, FL 33401	Italian marble; antique gates, wrought-iron & wood gates & trellis; hand-sculpted fountains, plaques, terra-cotta planters, gazebos & pavilions.		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	
Authentic Wood Floors, Inc. 300-765-3966; Fax: 717-428-0464 www.authenticwoodfloors.com Glen Rock, PA 17327	Supplier of reclaimed lumber from barns & warehouses: recycled into flooring, beams, paneling, molding, wainscoting & other products; milled & kiln dried.	Write in No. 8000	Brian Greer's Tin Ceilings, Walls & Unique Metal Work	& hickory; other antique building materials. Supplier of decorative tin ceiling panels: tin, copper, brass, chrome & pewter finishes on	
AZEK Building Products, Inc. 377-275-2935; Fax: 570-504-1215 www.azek.com	Manufacturer of PVC exterior trim products: trimboards, sheets, beadboards, cornerboards & millwork.	Write in No. 1428	519-743-9710; Fax: 519-570-1447 www.tinceiling.com Petersburg, ON, Canada NOB 2H0 Brosamer's Bells	2x2-ft. panels; can be painted or left bright tin; moldings, fillers & cornices available.	Write in
Scranton, PA 18505 Ball & Ball Hardware 610-363-7330; Fax: 610-363-7639 www.ballandball.com	Custom manufacturer & supplier of ornamental metalwork & hardware: door, window, shutter & furniture hardware; fireplace tools; wrought	Write in No. 2930	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.	Write in No. 7130
Exton, PA 19341 Ball & Ball Lighting	iron, steel, aluminum, bronze, brass, copper & cast iron; custom reproductions. Fabricator of historical lighting: chandeliers,	Write in	Brusso Inc. 212-337-8510; Fax: 212-337-9840 www.brusso.com New York, NY 10013	Manufacturer of cabinet & furniture hardware: handles, latches, hinges, quadrants, shelf pins, stays, feet, hooks & templates; solid brass & stainless steel.	Write in No. 1836
510-363-7330; Fax: 610-363-7639 www.ballandball.com Exton, PA 19341	sconces, pendants, lanterns & table lamps; Early American & Turn of the Century styles; antique & salvaged originals, new designs, cus- tom work & reproductions; restoration services.	No. 7660	Building Conservation Associates 212-777-1300; Fax: 212-777-1606	Consulting firm: project management, condi- tions survey, plans & specs, cost estimating &	Write in No. 1673
Ball Consulting, Ltd. 724-266-1502; Fax: 724-266-1504 www.ball-consulting-ltd.com	Supplier of moldmaking materials & casting compounds: alginate, latex rubber, polyure- thane & silicone for moldmaking; GFRC, gypsum,	Write in No. 7260	www.bcausa.com New York, NY 10001 C&J Metal Products	feasibility reports, materials testing & lab analysis; for historic buildings, monuments & fine art.	Write in
Ambridge, PA 15003 Baltica	polymer-modified gypsum, plaster & polyure- thane casting compounds; terra-cotta substitutes. Manufacturer of handcrafted, European-made	Write in	800-500-8660; Fax: 562-634-8823 www.cjmetals.com Long Beach, CA 90805	Manufacturer & supplier of architectural sheet- metal elements: roof dormer vents, finials, spires, dormers, canopies, leader heads & chimney tops; restoration & duplication.	Write in No. 596
866-830-9174; Fax: 310-349-3443 www.baltica.com Vilnius, Lithuania Bamboo & Rattan Works, Inc.	door, window & cabinet hardware: cremone bolts, doorknobs & knockers, hinges, lever han- dles, push plates & more; Gothic & Baroque; showrooms worldwide.	No. 411 Write in	Campbellsville Industries, Inc. 800-467-8135; Fax: 270-465-6839 www.cvilleindustries.com Campbellsville, KY 42718	Manufacturer & installer of architectural metal- work: steeples, cupolas, street clocks, railings, balustrades, finials, domes, weathervanes & louvers; aluminum, copper, zinc & lead-coated copper.	
800-422-6266; Fax: 732-905-8386 www.bambooandrattan.com Lakewood, NJ 08701	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.	No. 5830	Canning Studios 203-272-9868; Fax: 203-272-9879 www.canning-studios.com Cheshire, CT 06410	Restorer & designer of decorative finishes, orna- mental plaster & wood: historic-paint analysis; plaster consolidation & stabilization; decorative painting, murals, interior & exterior gilding & wood graining; metal & stone cleaning.	Write in No. 5100
Bathroom Machineries, DEA 209-728-2031; Fax: 209-728-2320 www.deabath.com Murphys, CA 95247	Supplier of Early American & Victorian bath- room fixtures & accessories: antique & repro- duction clawfoot tubs, high-tank toilets, pedestal sinks, mirrors & many one-of-a-kind items.	Write in No. 1725 for plumbing; 5860 for hardware	Cantera Especial 800-564-8608; Fax: 818-907-0343 www.cantera-especial.com Pacific Palisades, CA 90272	Custom hand carver of natural-stone products made from limestone, cantera, adoquin, traver- tine, marble & sandstone quarried in Europe & Mexico: fireplaces, fountains, planters, columns,	Write in No. 31
Belden Brick Co. 330-456-0031; Fax: 330-456-2694 www.beldenbrick.com Canton, OH 44702	Manufacturer of brick: variety of colors, textures, sizes, stock & custom shapes; color matching; jack arches, water tables, bullnoses, coping caps, pavers, face brick, brick sculpture & more.		Canterbury International 323-936-7111; Fax: 323-936-7115 www.canterburyintl.com	balustrades, benches, molding & sculpture. Designer & manufacturer of architectural site furnishings: clocks, benches, sculpture & cus- tom products; for more than 40 years.	
<b>Bell Bird Control</b> 300-932-0733; Fax: 973-575-1177 www.bellbirdcontrol.com Parsippany, NJ 07054	Manufacturer & installer of aesthetic solutions to pest bird problems: custom patented sys- tem, color matched & low profile; for historic- style structures & other buildings.	Write in No. 1682	Los Angeles, CA 90016 Canterland of Mexico 800-564-8608; Fax: 818-907-0343 www.canterlandmex.com	Factory-direct manufacturer of Yucatan lime- stone products: fountains, mantels, balustrades, stairs, columns, countertops &	Write in No. 1825
Bendheim Glass Co. 300-221-7379; Fax: 973-471-3475 www.restorationglass.com Passaic, NJ 07055	Supplier of mouth-blown restoration window glass: resembles glass made before the advent of modern window glass; slight distortions, occasional pits & imperfections; 2 styles, light	Write in No. 641	Pacific Palisades, CA 90272 Cape Cod Cupola Co. 508-994-2119; Fax: 508-997-2511	more; in Coquina, Ticul & Crema Maya stone. Manufacturer of cupolas: with windows or louvers; in finish pine or AZEK (PVC); weather-	Write in No. 1514
Bergerson Cedar Windows, Inc. 300-240-4365; Fax: 503-861-0316 www.bergersonwindow.com Hammond, OR 97121	& heavy. Custom manufacturer of historical doors & windows in western red cedar: complete cus- tom units or sash only; interior & exterior storm windows; crisp milling detail; shop draw- ings included; restoration work; since 1977.	Write in No. 83	www.capecodcupola.com North Dartmouth, MA 02747 Capri Cork 800-492-2613; No fax http:www.capricork.com Lancaster, PA 17601	Vanes & finials. Manufacturer of cork floor tiles: also recycled rubber floor tiles combined with post-industrial cork; many colors; eligible for LEED credits.	
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.	Write in No. 166	Carlisle Wide Plank Floors 800-595-9663; Fax: 603-446-3540 www.wideplankflooring.com Stoddard, NH 03464	Custom manufacturer of traditional wide-plank flooring & paneling: hand selected from antique & old-growth pine & hardwoods; deals directly with homeowners, builders, architects & spe- cialists in historic restoration & reproduction.	
Bird-X, Inc. 300-662-5021; Fax: 312-226-2480 www.bird-x.com/tbd Chicago, IL 60607	Manufacturer of bird & pest control products: SPIKES Needle Strips, sticky gels, nets, ultra- sonic & visual devices; for landmark status, museums, industrial, commercial & residential properties.	Write in No. 3230	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.	Write in No. 2744
Board and Beam 360-868-6789; Fax: 860-868-0721 www.boardandbeam.com Washington Depot, CT 06793	Supplier of antique barns & houses & lumber: hand-hewn beams, wood flooring, Shaker-style tables in oak, white & yellow pine, chestnut; Federal entryways, doors, windows; restoration of Colonial structures.	Write in No. 2763	Cedar Valley Shingle Systems 800-521-9523; Fax: 831-636-9035 www.cedar-valley.com Hollister, CA 95023	Supplier of premium-grade architectural cedar shingle panels: exposures of 4.25-, 5.3- & 7 1/8-in.; straight or staggered butt lines; all are 96x21-in.	Write in No. 1832

Company	Specialty	Literature
Century Architectural Specialties 877-262-1999; Fax: 770-590-3190 www.architecturalspecialties.com Marietta, GA 30066	Manufacturer of Classically inspired molded ornament: crown & cornice molding, door & window surrounds, pilasters, capitals, corbels, ceiling domes & medallions.	Write in No. 1698
Chadsworth Columns 800-486-2118; Fax: 919-778-5177 www.chadsworth.com Wilmington, NC 28401	Manufacturer of authentically correct architec- tural columns: complete line of columns, piers, pilasters & posts for interior & exterior use; variety of sizes, styles & materials, including wood; more than 20 years.	Write in No. 1580 for PolyStone; 180 for wood
Champlain Stone, Ltd. 518-623-2902; Fax: 518-623-3088 www.champlainstone.com Warrensburg, NY 12885	Manufacturer of building & landscaping stone & stone flooring: guillotined & hand-split gran- ite, quartzitic sandstone & limestone; for fire- places, building veneer, wall stone, flagging, paving, step slabs, benches & retaining walls.	Write in No. 4270
Chelsea Decorative Metal Co. 713-721-9200; Fax: 713-776-8661 www.thetinman.com Houston, TX 77074	Manufacturer of pressed-tin ceiling & wall pan- els: 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.	Write 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.
Chris Industries, Inc. 800-356-7922; Fax: 847-729-0340 www.chrisind.com Northbrook, IL 60062	Manufacturer & distributor of architectural sheet metal, gutters & flashing: copper, steel, galvalume, zinc, aluminum & more.	Write in No. 687
Circle Redmont, Inc. 800-358-3888; Fax: 321-259-7237 www.circleredmont.com Melbourne, FL 32940	Manufacturer of structurally engineered frames: outbuildings, stairs & flooring; aluminum, steel, precast concrete, stainless steel & cast iron; prefabricated & pre-glazed with glass block, pavers, bullets or composite plank glass.	Write in No. 379
Cityproof Windows 718-786-1600; Fax: 718-786-2713 www.cityproof.com Long Island City, NY 11101	Manufacturer & installer of custom-made inte- rior window systems: aluminum, storm/screen combo, arched & custom shapes; mechanical fastenings; acrylic, lexan, UV-resistant, stan- dard, low-E, tempered, laminated & etched- glass glazing.	Write in No. 2390
Classic Accents, Inc. 800-245-7742; Fax: 734-284-7185 www.classicaccents.net Southgate, MI 48195	Manufacturer of reproduction push-button light switches: cover plates in 28 finishes & styles; molding hooks, tassel kits & picture cord.	Write in No. 4850
Classic Cellings 800-992-8700, Fax: 714-870-5972 www.classicceilings.com Fullerton, CA 92831	Supplier of decorative wall & ceiling ornament: pressed-metal wall & ceiling tiles, tin ceiling panels, cornices & backsplashes; decorative stampings; perforated tin ceiling panels & tin ceiling imitations; crown moldings & more.	Write in No. 2400
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.	Write in No. 1280
Classy Glass Structures 972-221-0445; Fax: 972-219-0348 P.O. Box 794041 Dallas, TX 75379	Custom manufacturer of conservatories, arboretums, greenhouses, glass gazebos, pool & hot-tub rooms, skylights, barrel vaults, glass walls & screened-in rooms: all sizes, shapes, colors & finishes; lifetime no-leak warranty.	Write in No. 1254
Climate Seal 952-448-5300; Fax: 952-448-2613 www.climateseal.com Chaska, MN 55318	Supplier of storm windows: narrow magnetic frame; simple installation.	
<b>Coe Studios, Inc.</b> 510-527-2950; Fax: 510-527-0103 www.coestudios.com Berkeley, CA 94710	Manufacturer & custom fabricator of exterior lighting: forging, hammering, repousse & lost- wax castings; solid bronze & iron; any style or period.	Write in No. 830
Color People, The 800-541-7174; Fax: 303-308-0123 www.colorpeople.com Denver, CO 80204	Designer of exterior color schemes: consulta- tion for residences, businesses, Main Streets & townscapes through photos, via mail & on-site.	Write in No. 5470
Colorado Waterjet Co. 970-532-5404; Fax: 970-532-5405 www.coloradowaterjet.com Berthoud, CO 80513	Custom fabricator of water-jet-cut ornamental metal products: panels for gates, railings, stairs, lighting, hardware, sculpture, signage, registers & grilles; steel, stainless steel, alu- minum, bronze, brass, copper & more.	
Columbia Equipment Co., Inc. 800-742-1297; Fax: 718-526-4110 www.columbiaequipment.com Jamaica, NY 11433	Manufacturer of prefabricated aluminum pas- senger shelters, smoking shelters, bus shelters, kiosks, benches & related street furniture: vari- ety of standard & custom designs; streetscape improvement models; outbuildings.	Write in No. 3105
Columns.com 910-763-7600; Fax: 910-763-3191 www.columns.com Wilmington, NC 28401	Internet distributor & web-based mall for archi- tectural products: columns, pilasters, decora- tive capitals, moldings, balustrades & pergola kits; can rate & compare various manufactur- ers; job-site delivery, worldwide shipping.	Write in No. 1899
Conklin Metal Industries 404-688-4510; Fax: 404-522-7439 www.metalshingle.com Atlanta, GA 30312	Manufacturer of metal roofing shingles: one pattern typical of late-19th-century homes; galvanized roofing sheets, gutters & leaders.	Write in No. 1830

Company	Specialty	Literature
Conklin's Authentic Barnwood 570-465-3832; Fax: 570-465-3835 www.conklinsbarnwood.com Susquehanna, PA 18847	Supplier of reclaimed & resawn antique lum- ber: flooring in white pine, chestnut, heart pine, antique oak & hemlock; weathered barn- wood, hand-hewn beams, pole rafters, used metal roofing & other antique barn materials.	Write in No. 578
Conrad Schmitt Studios, Inc. 800-969-3033; Fax: 262-786-9036 www.conradschmitt.com New Berlin, WI 53151	Creator, conservator & restorer of decorative painting: stained & art glass; ornamental plas- terwork; crystalline etched-glass designs; murals, mosaics & statuary; for public & reli- gious buildings; since 1889.	Write in No. 8040 for decorative painting: 1839 for ecclesiasti- cal specialties; 1841 for art glass
Contech Bridge Solutions Inc. 800-526-3999; Fax: 937-254-3999 www.contechbridge.com Dayton, OH 45420	Designer & builder of bridges: vehicular & pedestrian for any application; plate, precast & truss products; Contech Structural Plate, ConSpan Bridge System, Bebo Arch System, Steadfast & Continental bridges.	
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, screens & more.	Write in No. 9600
Copper Moon Woodworks 610-434-8740; Fax: 610-434-0230 www.coppermoonwoodworks.com Allentown, PA 18104	Fabricator of custom exterior shutters & hard- ware.	
Copper Sculptures 800-235-6725; Fax: 601-992-9350 www.coppersculptures.com Brandon, MS 39047	Manufacturer of gas lanterns & site furnish- ings: lanterns replicated from pre-Civil War photos, with electronic ignition; mailboxes, street lighting, signage, statuary, trash recepta- cles & fountains.	Write in No. 300
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 Tolland, CT 06084	Manufacturer of pre-cut, New England-style post-&-beam carriage houses: garden sheds & country barns; pre-cut, pre-engineered building kits; cupolas; family owned & operated since 1974; catalog \$5.	Write in No. 1439
Country Road Associates, Ltd. 845-677-6041; Fax: 845-677-6532 www.countryroadassociates.com Millbrook, NY 12545	Supplier of reclaimed wood: wide board & ran- dom width; chestnut, maple, white oak, white pine, heart pine, cherry, elm & walnut; distribu- tor of reclaimed barn siding, hand-hewn beams, paneling & cabinetry.	Write in No. 7480 flooring; 1416 for cabinetry
Craft Metal Products, Inc. 800-669-3254; Fax: 317-545-3288 www.craftmetal.com Indianapolis, IN 46218	Manufacturer of church & institutional lighting: chandeliers, sconces, pendants & lanterns; custom lighting; restoration services.	Write in No. 1021
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.	Write 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; hand- hammered copper; lighting.	Write 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.	Write in No. 313
Cross Creek Architectural Salvage 417-883-8633; Fax: 417-883-4334 1228 East Guinevere Springfield, MO 65804	Supplier of architectural salvage: used brick & building materials.	Write in No. 1834
Crown City Hardware Co. 626-794-1188; Fax: 626-794-2064 www.crowncityhardware.com Pasadena, CA 91104	Supplier of hardware: casement fasteners & adjusters; sash locks, lifts, balances & weights; screen fasteners & hangers; glass knobs, bin pulls, switch plates & more; iron, brass, glass & crystal; Victorian & Arts & Crafts styles.	Write in No. 432
Cumberland Woodcraft Co. 800-367-1884; Fax: 717-243-6502 www.cumberlandwoodcraft.com Carlisle, PA 17013	Manufacturer of Victorian millwork: porch trim, screen & storm doors, gables & spandrels, ceiling medallions, bars & backbars, grilles, brackets, cornices, fretwork, mantels, capitals, carvings, moldings, balustrades, rails & more.	Write in No. 1310
Custom Home Accessories, Inc. 800-265-0041; Fax: 916-635-0228 www.mailboxes.info Rancho Cordova, CA 95742	Manufacturer of metalwork accessories: weath- ervanes, cupolas, finials, roof caps, mailboxes, lighted address plaques, signs & lampposts; cast aluminum, bronze, brass & copper; cus- tom sizes.	Write in No. 527
Custom Shutter Company 866-531-9918; No fax www.customshuttercompany.com Montgomery, AL 36117	Custom fabricator of interior & exterior shut- ters: louvered, panel, board-&-batten, combi- nation & hurricane shutters; basswood, west- ern red cedar, wood composite & PVC/fiber- glass; shutter hardware.	Write in No. 1900
Custom Trades International, Inc. 203-531-3493; Fax: 203-532-9727 www.sorpetalerusa.com Greenwich, CT 06831	Manufacturer of custom wood windows & doors: any species, finish, glazing & hardware; aluminum- & bronze-clad wood window sys- tems; architectural hardware in brass, bronze & more; for residences, institutions & historic properties.	Write in No. 1083

Company	Specialty	Literature
Customlightstyles.com 707-547-9909; Fax: 707-538-5543 www.customlightstyles.com Santa Rosa, CA 95409	Designer & fabricator of exterior & interior light- ing: lanterns, pendants, ceiling mounts, sconces & chandeliers; hand-forged iron, brass & cop- per; custom designs & historical reproductions.	Write in No. 2545
<b>Czar Floors</b> 800-577-2927; Fax: 86-631-0423 www.czarfloors.com Newtown, PA 18940	Custom fabricator of wood flooring: inlay, mosa- ic, parquet; custom paneling.	11. 1881
D.J.A. Imports, Ltd. 718-324-6871; Fax: 718-324-0726 www.djaimports.com Bronx, NY 10466	Distributor of architectural metal components: gates, railings, stairs, gate & door hardware, machinery for the metal industry & specialty items; stainless steel & aluminum; reproduc- tions; riveted gates & railings, operators & more.	Write in No. 495
Dahlhaus Lighting, Inc. 718-218-6651; Fax: 718-218-6653 www.dahlhaus-lighting.com Brooklyn, NY 11211	Manufacturer of street furnishings & lighting: benches, clocks, plaques, street lamps, lanterns, bollards, fountains, ornament & mail- boxes in European styles; for residential, com- mercial & civic sites.	Write in No. 2767
Dalton Pavilions, Inc. 300-532-5866; Fax: 215-721-1501 www.daltonpavilions.com felford, PA 18969	Manufacturer of pre-engineered pavilions & gazebos: western red cedar; prefabricated for ease of installation; ships internationally.	Write in No. 330
De Groot Historical Restoration, Inc. 631-246-8194; Fax: 631-509-5238 www.dghistorical.com East Setauket, NY 11733	Custom architectural millwork: restoration & repro- duction of windows, doors, leaded glass, shutters, sculpture, storefronts, paneling, cabinetry & furni- ture; sculpture & ornamentation restoration & reproduction; pattern work, consulting.	Write in No. 1915
DeAngelis Iron Work, Inc. 388-676-4766; 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.	Write in No. 1023
Decorated Porcelain Company 702-897-8131; No fax www.decoratedporcelain.com Henderson, NV 89052	Supplier of one-of-a-kind decorated bathroom fixtures: sinks, toilets, tile & accessories; floral, historic & other designs.	
Decorative Hardware Studio 914-238-5251; Fax: 914-238-4880 www.decorative-hardware.com Chappaqua, NY 10514	Manufacturer of drapery, cabinet, furniture & door hardware & stair rods: brass, bronze, nick- el, crystal & ceramics.	Call for more information.
Decorators Supply Corp. 773-847-6300; Fax: 773-847-6357 www.decoratorssupply.com Chicago, IL 60609	Supplier of period architectural elements: ceil- ing medallions, mantels, cornices, columns & capitals; plaster of Paris, compo & wood; 14,000 patterns available.	Write in No. 210
Deep Landing Workshop 877-778-4042; Fax: 410-778-4070 www.deeplandingworkshop.com Chestertown, MD 21620	Manufacturer of custom lighting fixtures: chan- deliers, sconces, pendants & lanterns; new designs, historic reproductions & custom work; handcrafted in wood, tin, brass or copper; glass, mica or alabaster shades.	Write in No. 809
Designs in Tile 530-926-2629; No fax www.designsintile.com Mt. Shasta, CA 96067	Designer & fabricator of custom tile & murals: subway & encaustic tile; for flooring, walls & fountains; Victorian, English/American Arts & Crafts styles; coordinating borders.	
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 applica- tions; designs for wall, ceiling, post & column mounting.	Write in No. 1195
DMS Studios 718-937-5648; Fax: 718-937-2609 www.dms-studios.com .ong Island City, NY 11101	Custom fabricator of hand-carved stone ele- ments: fountains, mantels, statuary, balustrades, capitals & landscape ornament; historically accurate.	Write in No. 9100 for carving; 262 for sculpture
Doty & Sons Concrete Products, Inc. 800-233-3907; Fax: 815-895-8035 www.dotyconcrete.com Sycamore, IL 60178	Manufacturer of litter receptacles, planters, bol- lards & custom concrete products: more than 20 bench styles & sizes; lpe lumber, recycled plastic & concrete seats & backs.	Write in No. 2090
Dreamcatcher Imports, Inc. 906-358-4577; Fax: 906-358-4785 www.dreamcatcherimportexport.com	Supplier of ornamental metalwork & stonework: pedestals, fountains, gates, fences, street light- ing, planters & urns, benches, columns,	

Company	Specialty	Literature	Company	Specialty	Literatur
Customlightstyles.com 707-547-9909; Fax: 707-538-5543 www.customlightstyles.com Santa Rosa, CA 95409	Designer & fabricator of exterior & interior light- ing: lanterns, pendants, ceiling mounts, sconces & chandeliers; hand-forged iron, brass & cop- per; custom designs & historical reproductions.	Write in No. 2545	Eagle Creek Designs, Inc. 330-274-2041; Fax: 330-274-3370 www.eaglecreekdesigns.net Mantua, OH 44255	Supplier of salvaged building materials: beams, flooring, doors, paneling, siding & mantels; wood & stone; barns disassembled & reassembled; stock barns & log homes.	Write in No. 529
<b>Czar Floors</b> 800-577-2927; Fax: 86-631-0423 www.czarfloors.com Newtown, PA 18940	Custom fabricator of wood flooring: inlay, mosa- ic, parquet; custom paneling.	10-181	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.	Write in No. 1878
D.J.A. Imports, Ltd. 718-324-6871; Fax: 718-324-0726 www.djaimports.com Bronx, NY 10466	Distributor of architectural metal components: gates, railings, stairs, gate & door hardware, machinery for the metal industry & specialty items; stainless steel & aluminum; reproduc- tions; riveted gates & railings, operators & more.	Write in No. 495	East Coast Roof Specialties 860-379-9072; Fax: 860-379-2046 www.icebrakes.com Winsted, CT 06098	Manufacturer of IceBrakes cast-aluminum pad-style snowguards for metal roofs: 2 sizes; bare aluminum finish & dozens of powder- coated colors; product selection, layout assis- tance & installation advice; finials; made in	Write in No. 2450
Dahlhaus Lighting, Inc. 718-218-6651; Fax: 718-218-6653 www.dahlhaus-lighting.com Brooklyn, NY 11211	Manufacturer of street furnishings & lighting: benches, clocks, plaques, street lamps, lanterns, bollards, fountains, ornament & mail- boxes in European styles; for residential, com- mercial & civic sites.	Write in No. 2767	East Teak Fine Hardwoods, Inc. 972-248-0078; Fax: 972-248-0942 www.eastteak.com Dallas, TX 75035	the U.S. Supplier of wood products: decking, porch parts, flooring, millwork, paneling, stair parts, custom timbers.	
Dalton Pavilions, Inc. 300-532-5866; Fax: 215-721-1501 www.daltonpavilions.com felford, PA 18969	Manufacturer of pre-engineered pavilions & gazebos: western red cedar; prefabricated for ease of installation; ships internationally.	Write in No. 330	Eder Flag Mfg. Co., Inc. 800-558-6044; Fax: 800-333-7329 www.ederflag.com Oak Creek, WI 53154	Manufacturer of flagpoles, flags, banners & accessories: cone-tapered aluminum & fiber- glass shafts; brackets & other accessories; U.S. state & foreign flags; banners of all types;	
De Groot Historical Restoration, Inc. 631-246-8194; Fax: 631-509-5238 www.dghistorical.com East Setauket, NY 11733	Custom architectural millwork: restoration & repro- duction of windows, doors, leaded glass, shutters, sculpture, storefronts, paneling, cabinetry & furni- ture; sculpture & ornamentation restoration & reproduction; pattern work, consulting.	Write in No. 1915	EJMcopper, Inc. 407-447-0074; Fax: 407-447-0075 www.ejmcopper.com Orlando, FL 32804	weathervanes & finials. Custom fabricator of copper products: cupo- las, dormers, weathervanes, finials, vents, chimney caps & more.	Write in No. 1377
DeAngelis Iron Work, Inc. 388-676-4766; 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.	Write in No. 1023	Eldorado Stone 800-925-1491; Fax: 760-736-8890 www.eldoradostone.com San Marcos, CA 92079	Manufacturer of architectural stone veneer: cast from molds made from thousands of hand-selected natural stone.	Write in No. 1877
Decorated Porcelain Company 702-897-8131; No fax www.decoratedporcelain.com Henderson, NV 89052	Supplier of one-of-a-kind decorated bathroom fixtures: sinks, toilets, tile & accessories; floral, historic & other designs.		Erie Landmark Co. 800-874-7848; Fax: 717-285-9060 www.erielandmark.com Columbia, PA 17512	Manufacturer of historical markers & other sig- nage & plaques: oval, rectangular & custom formats.	
Decorative Hardware Studio 914-238-5251; Fax: 914-238-4880 www.decorative-hardware.com Chappaqua, NY 10514	Manufacturer of drapery, cabinet, furniture & door hardware & stair rods: brass, bronze, nick- el, crystal & ceramics.	Call for more information.	European Iron Works 805-967-8076; Fax: Same as phone www.europeanironworks-sb.com Goleta, CA 93117	Designer & fabricator of hand-forged & tradi- tionally joined architectural products: railings, balconies, gates, wine cellar & entry doors, fireplace screens, lighting & furniture; iron, bronze, copper, aluminum & other materials.	Write in No. 3031
Decorators Supply Corp. 773-847-6300; Fax: 773-847-6357 www.decoratorssupply.com Chicago, IL 60609	Supplier of period architectural elements: ceil- ing medallions, mantels, cornices, columns & capitals; plaster of Paris, compo & wood; 14,000 patterns available.	Write in No. 210	Eve Guinan Design 416-469-8110; Fax: 416-469-2700 www.egdglass.com Toronto, ON, Canada M4K 3B7	Art glass studio: restoration & new designs.	
Deep Landing Workshop 377-778-4042; Fax: 410-778-4070 www.deeplandingworkshop.com Chestertown, MD 21620	Manufacturer of custom lighting fixtures: chan- deliers, sconces, pendants & lanterns; new designs, historic reproductions & custom work; handcrafted in wood, tin, brass or copper; glass, mica or alabaster shades.	Write in No. 809	EverGreene Painting Studios, 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 & restora- tion; ecclesiastical, institutional, public & com- mercial projects; offices in NYC & Chicago.	Write in No. 2460 for decora tive paint- ing; 2678 for plaster
Designs in Tile 530-926-2629; No fax www.designsintile.com Mt. Shasta, CA 96067	Designer & fabricator of custom tile & murals: subway & encaustic tile; for flooring, walls & fountains; Victorian, English/American Arts & Crafts styles; coordinating borders.		Exhausto, Inc. 800-255-2923; No fax www.chimneyfans.com Roswell, GA 30076	Manufacturer of chimney top-mounted fans: guaranteed to solve smoke problems; for use where relining of chimney has decreased flue capacity; for all types of chimneys; mounts on	Write in No. 5670
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 applica- tions; designs for wall, ceiling, post & column mounting.	Write in No. 1195	Extrutech Plastics, Inc. 920-684-9650; Fax: 920-684-4344 www.epiplastics.com Manitowoc, WI 54220	round, square & oval flues. Manufacturer of exterior & interior cellular moldings & trim: screen doors, shutters, cus- tom wood-grain finishes; wall & ceiling panels; waterproof doors.	Write in No. 1892
DMS Studios 718-937-5648; Fax: 718-937-2609 www.dms-studios.com .ong Island City, NY 11101	Custom fabricator of hand-carved stone ele- ments: fountains, mantels, statuary, balustrades, capitals & landscape ornament; historically accurate.	Write in No. 9100 for carving; 262 for sculpture	FAAC International, Inc. 800-221-8278; Fax: 970-223-2588 www.faacusa.com Cheyenne, WY 82007	Manufacturer of gate operators: swing-, slide- & barrier-gate systems.	Write in No. 531
Ooty & Sons Concrete Products, Inc. 300-233-3907; Fax: 815-895-8035 www.dotyconcrete.com Sycamore, IL 60178	Manufacturer of litter receptacles, planters, bol- lards & custom concrete products: more than 20 bench styles & sizes; lpe lumber, recycled plastic & concrete seats & backs.	Write in No. 2090	Fagan Design & Fabrication, Inc. 203-937-1874; Fax: 203-937-7321 www.fagancolumns.net West Haven, CT 06516	Manufacturer of columns & turnings: stain grades in any wood species; Classical orders; stock & custom; worldwide supplier.	Write in No. 8210
Dreamcatcher Imports, Inc. 106-358-4577; Fax: 906-358-4785 /ww.dreamcatcherimportexport.com Vatersmeet, MI 49969	Supplier of ornamental metalwork & stonework: pedestals, fountains, gates, fences, street light- ing, planters & urns, benches, columns, balustrades, weathervanes, mantels & grilles; iron, bronze, cut & cast stone.		Fagan's Forge 888-963-0130; Fax: 860-963-0130 www.fagansforge.com Pomfret Center, CT 06259	Supplier of hand-forged door hardware: repro- duced from firm's collection of 18th-century wrought-iron latches, hinges, bolts, hooks, pulls & more; strap hinges for barn doors; shutter dogs; iron trammel hooks for fireplace cranes.	Write in No. 1010
DuMor Site Furnishings 800-598-4018; Fax: 717-436-9839 www.dumor.com Mifflintown, PA 17059	Manufacturer of site furnishings: benches, tables, receptacles & planters; metal, wood & recycled plastic; interior & exterior; stock & custom designs & manufacturing.	Write in No. 2180	Faubourg Lighting 866-803-7518; Fax: 601-894-5195 www.faubourglighting.com Hazlehurst, MS 39083	Manufacturer of traditional & period lighting: exterior copper gas-burning & electric fixtures; wall mounted, hanging post or any bracket; CSA- certified; custom-design, -color & -size options.	Write in No. 424
Dutch Delft Tiles by Oudolf Jr. 011-31-3025-2387-4; Fax: 011-31302523891 vww.delfttiles.com Jtrecht, The Netherlands, DS 3508 AB	Manufacturer of handmade Dutch Delft tile: replicas of tile dating from 16th century; smooth or crackled glaze; antique Delft tile; floor tile.	Write in No. 1808	Federalist, The 203-625-4727; Fax: 203-629-8775 www.thefederalistonline.com Greenwich, CT 06830	Manufacturer & supplier of Early American lighting fixtures: chandeliers, sconces, lanterns, bell-jar fixtures, table & floor lamps; exterior lanterns; antique, historic reproduc- tions & custom lighting; electric & gas.	
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; com- plete design selections of Early American peri- od hardware; many finishes.	Write in No. 2260	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 mak- ers & casters on staff; stock & custom.	Write in No. 2890

Company	Specialty	Literature
Fenestra America 800-397-6060; Fax: 718-209-8273 www.fenestra-america.com Brooklyn, NY 11234	Custom fabricator of all-wood & clad-wood windows: double hung, casement, awning & more; special shapes; wood doors.	Write in No. 1548
Fiberglass Specialties, Inc. 300-527-1459; Fax: 903-657-2318 www.fsiweb.com Henderson, TX 75653	Manufacturer of FRP steeples, domes, cupolas, columns, railings & baptismal pools: dozens of stock designs plus modifications, replication & custom solutions; architect on staff to assist with design.	
Fine Architectural Metalsmiths 845-651-7550; No fax www.iceforge.com Chester, NY 10918	Designer & custom fabricator of ornamental metalwork: period-appropriate motifs; custom lighting; curved, straight & monumental stairs; driveway & garden gates; hand forged & wrought iron, bronze & aluminum.	Write in No. 2640
Fishman Mosaics 305-758-1141; Fax: Same as phone www.georgefishmanmosaics.com Miami Shores, FL 33138	Designer & fabricator of mosaics: traditional glass smalti & stone; pictorial mosaics in the Classical style; custom mosaic artwork for public spaces, hospitality & religious projects.	Write in No. 183
Flex Moulding, Inc. 800-307-3357; Fax: 201-487-6637 www.flexiblemoulding.com Hackensack, NJ 07601	Supplier of moldings & polymer ornament: ceiling medallions, spot decorations, capitals, simulated wood carvings & more; rigid & flexi- ble polyester; restoration casting; window trim; custom casting & moldmaking capabilities.	Write in No. 4900
Florentine Craftsmen, Inc. 800-971-7600; Fax: 718-937-9858 www.florentinecraftsmen.com Long Island City, NY 11101	Manufacturer of handcrafted garden statuary & ornaments: sculpture, furniture, fountains, planters, urns & more.	Call for more information.
Forshaw of St. Louis, Inc. 800-367-7429; Fax: 800-845-2689 www.forshawmantels.com St. Louis, MO 63044	Manufacturer of handcrafted mantels & over- mantels: pine, oak, poplar, cherry & other solid hardwoods; unfinished & ready for paint or stain; precast-stone mantels with 33-, 36-, 42- & 43-in. openings; custom & ground shipped.	Write in No. 8174
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, ani- mals, motifs & more; grey-iron castings.	Write in No. 1220
FreeState Timbersmiths 913-897-5262; Fax: 913-897-1459 www.freestatetimbersmiths.com Stilwell, KS 66085	Custom fabricator & distributor of timber frames: recycled timbers & timber-frame restoration; residential & commercial projects; personally serving Midwest clients in all facets concerning timber-frame structures.	Write in No. 1464
<b>Gaby's Shoppe</b> 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.	Write in No. 2520
Genbrook Millwork Inc. 607-656-7563; Fax: 607-656-7522 www.genbrookmillwork.com Greene, NY 13778	Fabricator of architectural millwork: cabinetry, surfaces, furniture, balusters, railings, molding, trim, wainscoting, windows, doors & more.	
Gerald Siciliano Studio Design Associates 718-636-4561; Fax: 718-395-2044 www.geraldsicilianostudio.com Brooklyn, NY 11215	Custom fabricator of fine & liturgical sculpture: architectural details, fireplaces & mantels; bronze, granite, marble & stone; interior & exterior; repair & restoration; studio & field- work; 30 years of experience.	Write in No. 187
Gladding, McBean - Div. of Pacific Coast Bldg. 800-776-1133; Fax: 916-645-1723 www.gladdingmcbean.com Lincoln, CA 95648	Bean - Div. of Pacific         Manufacturer of sculptural ornamentation, machine-extruded terra cotta, roof tile, chim- ney tops, pavers, garden pottery & vitrified sewer pipes: terra-cotta balustrades, copings,	
Glass House, LLC 800-222-3065; Fax: 860-974-1173 www.glasshouseusa.com Pomfret Center, CT 06259	Custom fabricator of conservatories & glass- roof systems: glass domes, skylights & solari- ums; ornamental metal features, custom trim enhancements, copper cladding, true-divided- lite sash & doors; many glazing options.	
Glass Source 203-924-4368; Fax: Same as phone www.theglasssource.com Shelton, CT 06484	Restorer, designer & fabricator of stained-glass windows, kiln-formed glass & hand-painted kiln-fired pieces: supplies & classes.	
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.	Write 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 & func- tional; 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 Tampa, FL 33602	Supplier of architectural products: cornice moldings, columns, capitals, balustrades, door & window surrounds, ceiling medallions, nich- es, brackets, corbels, mantels & more; polyurethane, FRP & hardwood millwork.	Write in No. 806

Company	Specialty	Literature
Goodwin International 714-241-0942; Fax: 714-241-1874 www.goodwininternational.com Santa Ana, CA 92707	Supplier of landscape & garden ornament from around the world: stone fountains, benches, planters, urns & sculpture; sandstone planters & terra cotta; various design styles & sizes.	Write in No. 4160
Grabill Windows & Doors 810-798-2817; Fax: 810-798-2809 www.grabillwindow.com Almont, MI 48003	Custom manufacturer of solid-wood, bronze & aluminum-clad windows & doors: lift & slide doors, casements, tilt-turn, European in-swing & historically accurate double-hung windows with weights & pulleys; residential & commercial.	Write in No. 1910
Graymont Dolime (OH), Inc. 800-537-4489; Fax: 419-855-4602 www.graymont.com Genoa, OH 43430	0-537-4489; Fax: 419-855-4602 Mature Lime Putty: fully slaked, screened, aged & ready for immediate use; resources avail-	
Great Northern Barns 603-523-7134; Fax: 603-523-8248 www.greatnorthernbarns.com Canaan, NH 03741	Supplier of high-quality hand-hewn antique timber frames: stores, barns & residences.	Write in No. 952
Guerin, P.E. 212-243-5270; Fax: 212-727-2290 www.peguerin.com New York, NY 10014	Manufacturer of high-end handcrafted brass & bronze hardware & accessories: for doors, win- dows, furniture, objets d'art & bathroom acces- sories; handcrafted sconces & lighting fixtures.	Write in No. 1166
Haddonstone (USA), Ltd. 856-931-7011; Fax: 856-931-0040 www.haddonstone.com Bellmawr, NJ 08031	Manufacturer of Classical stonework: columns, balustrades, benches, planters, urns, pavers, fountains, gazebos, mantels, statuary & more; cast, reconstructed limestone resembling Portland stone; more than 500 designs.	Write in No. 4020
Hahn's Woodworking Co., Inc. 908-722-2742; Fax: 908-722-2736 www.hahnswoodworking.com Branchburg, NJ 08876	Custom manufacturer of wood entry doors, garage doors, windows & shutters: historical reproductions; institutional projects.	Write in No. 6640
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.	Write in No. 1879
Heather & Little, Ltd. 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, siding, cupolas, steeples, domes, reproductions; Kalemein & lot-line windows.	Write in No. 2470
Hendricks Tile 804-231-0100; Fax: 866-727-1519 www.hendrickstile.com Ashland, VA 23005	Manufacturer of flat concrete shingle tile: vari- ous colors & textures; can be customized to resemble wood, slate & other materials; gutter hangers.	Write in No. 6340
Heritage Lanterns 207-846-3911; No fax www.heritagelanterns.com Yarmouth, ME 04096	Manufacturer of handcrafted brass, copper & pewter lighting: reproductions of 18th- & early- 19th-century fixtures; brackets, wall mounts, ceiling lights, chandeliers & post lights; rain protection, concealed wiring & more.	Write in No. 1908
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, bells, clocks, benches, bollards, custom plaques & signs, antique fence posts & more; aluminum & bronze; handcrafted.	Write in No. 9130
Historic Doors 610-756-6187; Fax: 610-756-6171 www.historicdoors.com Kempton, PA 19529	Custom fabricator of wood windows & doors: casing; circular & crown moldings; complete entryways; wood storefronts; restoration & period-style construction.	Write in No. 3570
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, planters & more; iron, bronze, aluminum & steel; restoration services.	Write in No. 1210
House of Antique Hardware 888-265-1038; Fax: 503-233-1312 www.houseofantiquehardware.com Portland, OR 97232	Manufacturer & supplier of vintage reproduc- tion door, window, cabinet & furniture hardware & accessories: Federal, Victorian, Colonial Revival, Craftsman & Deco styles; push-button switches & plates; registers & grilles.	Write in No. 1096
Hugh Lofting Timber Framing, Inc. 610-444-5382; Fax: 610-869-3589 www.hughloftingtimberframe.com West Grove, PA 19390	Designer, fabricator & installer of custom tim- ber-frame structures: residential, commercial & outbuildings; insulated panel systems; throughout the mid-Atlantic region.	Write in No. 663
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.	Write 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.	Write in No. 1606
Interact Ceilings 866-877-8453; Fax: 416-742-0976 www.interactceilings.com Toronto, ON, Canada M9M 1M7	Manufacturer of gypsum ceiling tile; commer- cial & residential applications.	

Company	Specialty	Literature	Company	S
<b>ntriG</b> 300-797-8757; Fax: 937-845-0230 vww.intrig.net New Carlisle, OH 45344	Raised panel wainscoting: 9 panel styles, 3 cap mold options.		Klitsas, Dimitrios - Fine Wood Sculptor 413-566-5301; Fax: 413-566-5307 www.klitsas.com Hampden, MA 01036	V (i w
lowa Barn Savers 563-252-3541; No fax www.iowabarnsavers.com Guttenberg, IA 52052	Restorer of barns: wood flooring, siding, build- ing documentation, timber-frame restoration, antique timber frames.		Kronenberger & Sons Restoration 860-347-4600; Fax: 860-343-0309 www.kronenbergersons.com Middletown, CT 06457	t v r
J.S. Benson Woodworking & Design 800-339-3515; Fax: 802-254-4874 www.jsbensonwoodworking.com Brattleboro, VT 05301	Custom fabricator of historical windows & doors: European window & wall systems; 7/8-in. TDL warm-edge glazing; architectural bronze cladding; custom hardware; restoration & reproduction services; institutional & residential.	Write in No. 8930	Lake Shore Industries, Inc. 800-458-0463; Fax: 814-453-4293 www.lsisigns.com Erie, PA 16502-1624	t N 8 r
Jack Arnold - European Copper 800-391-0014; Fax: 918-494-0884 www.jackarnold.com Tulsa, OK 74136	Manufacturer of custom copper chimney pots: patina finish; UL listed & patented.	Write in No. 1719	Lamb Studios, Inc., J&R 877-700-lamb; Fax: 201-891-8855 www.lambstudios.com	1
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.	Write in No. 1240	Wyckoff, NJ 07481 Lantern Masters, Inc. 818-706-1990; Fax: 818-706-1988	1
Jim Illingworth Millwork, LLC 877-390-2392; Fax: 315-232-3645 www.jimillingworthmillwork.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 & turn-	Write in No. 1696	www.lanternmasters.com Westlake Village, CA 91362 Lehigh Cement Company, White	1
John F. Graney Metal Design, LLC 413-528-6744; Fax: 413-528-6749 www.graneymetaldesign.com	ings; architectural, traditional & historical. Custom fabricator of ornamental metalwork: fences, gates, railings, tree grates, hearth screens, benches, lighting & more; aluminum, bronze & stainless steel; ecclesiastical work.	Write in No. 4840	Cement Div. 800-523-5488; Fax: 610-366-4638 www.lehighwhitecement.com Allentown, PA 18195	
Sheffield, MA 01257 John Tiedemann, Inc. 877-600-2666; Fax: 201-991-3419 www.johntiedemann.com North Arlington, NJ 07031	Restorer of interior elements: interior painting & design, liturgical renderings, decorative gran- ite flooring, faux finishes, murals & frescoes, gilding, art glass, fine art, paint & plaster	Write in No. 1765	Lehmann Glass Studio 510-465-7158; Fax: Same as phone www.lehmannglass.com Oakland, CA 94607 Leo Uhifelder Co.	
Jon Hair Studio of Fine Art LLC 704-892-7203; Fax: 704-892-7208 www.jonhair.com	analysis, historic analysis & testing. Sculptor: major public artworks in bronze; limit- ed editions & commissions; portrait busts, ani- mals & monuments; official Olympic sculptor.	6	914-664-8701; Fax: 914-664-8728 www.uhlfeldergoldleaf.com Mount Vernon, NY 10553	1
Cornelius, NC 28031 Judson Studios 800-445-8376; Fax: 323-255-8529 www.judsonstudios.com	Designer & custom fabricator of art glass: mosaics & stained- & faceted-glass restora- tion; public buildings & ecclesiastical projects.		802-434-2120; Fax: 802-434-4929 www.libertyheadpostandbeam.com Huntington, VT 05462	
Los Angeles, CA 90042 Kayne & Son Custom Hardware, Inc.	Manufacturer of forged- & cast-metal hardware:	Call for more	Liberty Ornamental Products 800-636-5470; Fax: 419-636-2365 www.libertyornamental.com	
828-667-8868; Fax: 828-665-8303 www.customforgedhardware.com Candler, NC 28715	strap, H, HL, butterfly & butt hinges; thumb- latch locksets, gate hardware, shutter dogs & more; fireplace tools; bathroom accessories & kitchen equipment; restoration; catalog \$8.	information.	Bryan, OH 43506 Lighting by Hammerworks 508-755-3434; Fax: 603-279-7352 www.hammerworks.com	-
Kees Architectural Division 800-889-7215; Fax: 920-876-3065 www.kees.com Elkhart Lake, WI 53020	Custom fabricator of architectural stamped, water-jet-cut & bar grilles & registers: base- boards & radiator covers in stamped & perforat- ed metal; wide variety of patterns & thicknesses.	Write in No. 1385	Worcester, MA 01603 Lignomat USA, Ltd. 800-227-2105; Fax: 503-256-3844	1
Kenneth Lynch & Sons, Inc. 203-264-2831; Fax: 203-264-2833 www.klynchandsons.com Oxford, CT 06478	Manufacturer of ornamental metalwork & cast- stone products: planters, urns, benches, foun- tains, statuary, topiary, sundials & weather- vanes; cast stone, cast & wrought iron, lead & bronze; stock & custom designs.	Call for more information.	www.lignomat.com Portland, OR 97230 Longleaf Lumber, LLC 617-871-6611; Fax: 617-871-6615 www.longleaflumber.com	
Keymer Tiles 011-44-01444-232-931; No fax www.keymertiles.com Burgess Hill, W. Sussex, UK RH15 OLZ	Manufacturer of handmade clay roof tile: plain, ornamental, ridge, hip & valley; custom colors.	Write in No. 1924	Cambridge, MA 02138 Longwood Antique Woods 859-233-2268; Fax: 859-455-9629 www.longwoodantiquewoods.com	
Khechoyan's Carvings & Tools, LLC 314-843-3236; Fax: Same as phone www.woodcarver4u.com Saint Louis, MO 63123	Wood carver: specializes in Gothic, Baroque, Rococo, Empire, Classical & Modern carvings, inlaid work, incrustations & bone work; carved doors, architectural details, chairs, crosses; restoration of antique woodwork.		Lexington, KY 40505 Lynne Rutter Murals & Decorative Painting 415-282-8820; No fax www.lynnerutter.com	1
Kim Lighting 626-968-5666; Fax: 626-369-2695 www.kimlighting.com City of Industry, CA 91716	Supplier of outdoor site, area & landscape lighting fixtures: die-castings in aluminum, brass, cast copper & bronze.	Write in No. 873	Maguire Iron Corp. 510-234-7569; Fax: 510-232-7519 www.maguireironcorporation.com	
King Architectural Metals 800-542-2379; Fax: 800-948-5558 www.kingmetals.com Dallas, TX 75228	Wholesale supplier of ornamental & architec- tural metal components: staircases, handrails, gates, fences, furniture, mailboxes, lampposts, finials & fireplace screens; wrought iron & alu-	Write in No. 418	Richmond, CA 94801 Maine Mountain Post & Beam	
Kingsland Co. Doors 860-542-6981; Fax: 860-542-1752 www.kingsland-shutters.com Norfolk, CT 06058	minum. Manufacturer of custom-designed entryways: doors, jambs & thresholds; Honduras mahogany; single glass, insulated glass, true- divided lites, leaded-glass sidelites & tran- soms; screen & storm doors; removable screen porch enclosures.	Write in No. 4573 for wood; 4574 for screen doors	207-935-7234; No fax www.mainemtpostbeam.com Brownfield, ME 04010 Manor Style, Inc. 800-325-2188; Fax: 443-200-0010 6741 Whitestone Rd. Baltimore, MD 21207	
Kingsland Co. Shutters 860-542-6981; Fax: 860-542-1752 www.kingsland-shutters.com Norfolk, CT 06058	Manufacturer of exterior shutters in Honduras mahogany: louvered, raised panel, cutouts & reproductions; mortise-&-tenon construction; copper caps, fixed control rods & hardware; paneled & louvered arched tops.	Write in No. 196	Mantels Direct 256-765-2171; No fax www.mantelsdirect.com Florence, AL 35630	

Company	Specialty	Literature	
Klitsas, Dimitrios – Fine Wood Sculptor 413-566-5301; Fax: 413-566-5307 www.klitsas.com Hampden, MA 01036	Wood carver: capitals, newel posts, furniture (all periods), fireplace mantels, stairs, mold- ings & other specialty carvings; variety of wood species.	Write in No. 7380	
Kronenberger & Sons Restoration 860-347-4600; Fax: 860-343-0309 www.kronenbergersons.com Middletown, CT 06457	Contractor for interior & exterior restoration: all types of finishes; post-&-beam construction; windows, molding & roofing; masonry & wood; museums, churches, town halls, libraries, barns, period homes & outbuildings.	Write in No. 536	
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, fabricated letters, lighted & non-lighted signs & more; cast bases for street sign & lighting posts.	Write in No. 8730	
Lamb Studios, Inc., J&R 877-700-lamb; Fax: 201-891-8855 www.lambstudios.com Wyckoff, NJ 07481	Manufacturer of Victorian leaded-glass win- dows: Lamb & Tiffany windows; 5 artists, each specializing in different styles; design, installa- tion & restoration; services nationwide; found- ed in 1857.		
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.	Write in No. 1239	
Lehigh Cement Company, White Cement Div. 800-523-5488; Fax: 610-366-4638 www.lehighwhitecement.com Allentown, PA 18195	Manufacturer of white cement: used in cast stone, precast, GFRC, architectural concrete masonry, stucco, tile grout & cast in place; for swimming pools, spas, ornament, concrete roof tile, terrazzo & infrastructure.	Write in No. 169	
Lehmann Glass Studio 510-465-7158; Fax: Same as phone www.lehmannglass.com Oakland, CA 94607	Custom manufacturer of wheel-cut art-glass panels: etched & beveled art glass; door & lighting-fixture glass; historic & modern designs; historical reproductions.	Write in No. 4730	
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.		
Liberty Head Post & Beam 802-434-2120; Fax: 802-434-4929 www.libertyheadpostandbeam.com Huntington, VT 05462	Custom designer of timber-framed structures: joined in the Vermont tradition.	Write in No. 1233	
Liberty Ornamental Products 800-636-5470; Fax: 419-636-2365 www.libertyornamental.com Bryan, OH 43506	Manufacturer of metal components: die-cast metal ball tops, caps, shoes & finials; non-rust- ing pewter finish; plastic ornamental finials & decorative scrolls in a variety of colors; stairs.	Write in No. 5340	
Lighting by Hammerworks 508-755-3434; Fax: 603-279-7352 www.hammerworks.com Worcester, MA 01603	Supplier of lighting: Colonial & Arts & Crafts styles; lanterns, post lights, chandeliers & courtyard sign lighting; hand-forged hardware.	Write in No. 5090	
Lignomat USA, Ltd. 800-227-2105; Fax: 503-256-3844 www.lignomat.com Portland, OR 97230	Supplier of moisture meters & thermo-hygrome- ters: hand-held moisture meters with & without pins; wireless data recorders for wood moisture, ambient temperature & relative humidity.	Write in No. 1120	
Longleaf Lumber, LLC 617-871-6611; Fax: 617-871-6615 www.longleaflumber.com Cambridge, MA 02138	Supplier of antique wood for flooring, beams & dimensional stock: wide planks available in antique heart pine, antique chestnut, reclaimed eastern white pine & antique oak; bamboo & cork.	Write in No. 272	
Longwood Antique Woods 859-233-2268; Fax: 859-455-9629 www.longwoodantiquewoods.com Lexington, KY 40505	Supplier of hand-hewn & rough-sawn beams & flooring: salvaged from old tobacco & cotton warehouses, German feed barns & log cabins.	Write in No. 1844	
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.	Write in No. 4710	
Maguire Iron Corp. 510-234-7569; Fax: 510-232-7519 www.maguireironcorporation.com Richmond, CA 94801	Manufacturer & supplier of traditional hardware & lanterns: door, cabinet, window, gate & mail- box hardware; knobs & levers with compatible locks, various backsets & functions; wrought iron, pewter, rust, brass & bronze; grilles.	Write in No. 7600	
Maine Mountain Post & Beam 207-935-7234; No fax www.mainemtpostbeam.com Brownfield, ME 04010	Timber framer: antique & salvaged barns & other structures; new timber-frame buildings.		
Manor Style, Inc. 800-325-2188; Fax: 443-200-0010 6741 Whitestone Rd. Baltimore, MD 21207	Custom fabricator & nationwide supplier of architectural elements: Fypon PVC square columns, newels, panels, arches, trellis & trim; load-bearing fiberglass columns & capitals; preformed balustrading; free literature.	Write in No. 703	
Mantels Direct 256-765-2171; No fax www.mantelsdirect.com Florence, AL 35630	Distributor of fireplace mantels: custom wood mantels; cabinet & corner mantels; cast stone, marble & other materials; fireplace surrounds, log sets, fireplaces & fireplace accessories.	Write in No. 1741	

GUIDEBOOK SOURCELIST

Company	Specialty	Literature
Marvin Windows and Doors 651-452-3039; Fax: 651-452-3074 www.marvin.com Warroad, MN 56763	Manufacturer of wood windows & doors: clad & clad/wood; special shapes; custom sizes & more than 11,000 standard sizes; historical replicas; interior & exterior storm windows.	Write in No. 1263 for windows; 1907 for doors
Mason & Wolf 732-866-0451; Fax: 732-866-4264 www.mason-wolf.com Freehold, NJ 07728	Manufacturer & supplier of traditionally styled wallpaper: Victorian patterns drawn from the last half of the 19th century; Christopher Dresser collection; coordinating borders, friezes, dados & more; for walls & ceilings.	
Maurer & Shepherd, Joyners 860-633-2383; Fax: 860-633-7231 122 Naubuc Ave. Glastonbury, CT 06033	Supplier of historical reproduction architectural millwork: windows, doors, entryways & raised paneling; pine & mahogany.	Call for more information.
Maurice Chandelier 404-237-5402; Fax: 404-261-3640 www.mauricechandelier.com Atlanta, GA 30324	Supplier of restored antique lighting fixtures: 900 fixtures on display; clocks; furniture; antiques; architectural objects & artwork.	Write in No. 1920
Mica Lamp Co. 818-241-7227; Fax: 818-241-5439 www.micalamps.com Glendale, CA 91203	Manufacturer of light fixtures: finely detailed copper, iron & mica; period-authentic styles & custom Modern interpretations; outdoor fix- tures & ceiling fanlight kits available.	Write in No. 5370
Michael A. Dow – Woodcarver 207-363-7924; Fax: Same as phone www.archcarving.com York, ME 03909	Custom wood carver: any style & wood; archi- tectural, ornamental, furniture, mantels & nautical carvings; molding, capitals & signage; wood turnings, model making & antique carv- ing restoration.	Call for more information.
Michael Davis Stained Glass 718-383-3712; Fax: Same as phone www.michaeldavisglass.com Long Island City, NY 11101	Art glass studio: vases, stained-glass commis- sions & restorations, blown-glass replicas & commissions, bulls-eye & clear glass; custom door & window glass; glass casting & fusing, lighting, architectural installation & consultation.	Call for more information.
Michigan Ornamental Metals 201-945-4930; Fax: 201-945-4931 www.michiganornamental.com Ridgefield, NJ 07657	Custom fabricator of metal ornament: columns, capitals, rosettes, wreaths, cornices & ceilings; cupolas, domes, gutters, finials, leaders & leader boxes; stamped/pressed sheet metal; replications & historic reproductions.	Write in No. 9520
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.	Write 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 for existing windows & interior or exterior storms for existing windows; operating & fixed; for his- torical residential & commercial projects.	Write in No. 1042 for storm windows; 964 for DVAC
Monarch Products Co. 201-507-5551; Fax: 201-438-2820 www.monarchrad.com Carlstadt, NJ 07072	Supplier of all-steel radiator enclosures: baked-enamel finishes & grille fronts; stock & custom; for corporate boardrooms, offices, churches, institutions & private residences.	Write in No. 6060
Moulding Associates, Inc. (MAi) 800-394-6680; Fax: 972-487-6584 www.maidoors.com Wylie, TX 75098	Manufacturer of entry doors in solid mahogany & walnut: extensive design range; art glass with various caming; hand-carved wood pan- els, beveled TDL French-style doors, staircase parts & more.	Write in No. 1817
MWT Custom Wood Working, LLC 828-322-4061; Fax: 828-322-4364 www.mohamadwoodturning.com Hickory, NC 28602	Supplier of custom wood turnings: roped, twisted, fluted & spiral stairs & stair parts; balusters & columns; Classical styles; exterior & interior.	
Neumann Studios 802-251-9901; Fax: By request www.neumannstudios.com Brattleboro, VT 05301	Designer, fabricator & installer of hand-painted stained-glass windows: techniques such as acid-etching; slumped-glass lamps & domes; restoration; for inns, restaurants, libraries, homes & places of worship.	
New Concept Louvers 800-635-6448; Fax: 801-489-0614 www.newconceptlouvers.com Springville, UT 84663	Manufacturer of cupolas & louvers: mainte- nance free in custom & stock sizes; 450 col- ors; copper finials, weathervanes, spires, turret caps & accessories, including dormer vents, mailboxes & more.	Write in No. 1264
New England Storms 207-764-4873; Fax: 207-763-4873 www.newenglandstorms.com Hope, ME 04847	Manufacturer of wood storm windows: remov- able screens & panels.	
New Star Brass & Bronze Works, Inc. 718-443-0800; Fax: 718-443-0918 www.railingsbynewstar.com Brooklyn, NY 11237	Custom fabricator of metal railings: spiral, curved, straight & monumental stairs; balusters, railings & newel posts; iron, stainless steel, hand-forged steel, aluminum, bronze & nickel/ silver; wood & glass rails; interior & exterior.	Write in No. 3051
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.	Write in No. 800
Nicholson & Galloway 516-671-3900; Fax: 516-759-3569 www.nicholsonandgalloway.com Glen Head, NY 11545	Full-service exterior & historic-facade restora- tion contractor: flat, slate, tile & metal roofing; brick, stone, concrete restoration; cupolas & domes of all metals; chimney restoration.	Write in No. 3067

Company NIKO Contracting Co., Inc.	Specialty Custom fabricator & contractor of sheet metal	Literature Write in
412-687-1517; Fax: 412-687-7969 www.nikocontracting.com Pittsburgh, PA 15213	& roofing: slate, tile & other roofing; storefronts, cornices, cupolas, domes, steeples, snowguards & leader heads; copper, lead-coated copper, zinc & stainless steel; metal ceilings.	No. 8300 for roofing 861 for ceilings
Nixalite of America, Inc. 800-624-1189; Fax: 309-755-0077 www.nixalite.com East Moline, IL 61244	Manufacturer of humane bird-control products: stainless-steel needle strips, Fliteline wire deterrent & 3 types of bird netting; visual, chemical & audible systems; free technical & planning services with direct order.	Write in No. 370
No 9 Studio UK 011-44-1769-5404-71; Fax: 011-44-1769-5408-64 www.no9uk.com Umberleigh, Devon, UK EX379HF	Manufacturer of terra-cotta architectural ele- ments: chimneys, sculptural fountains & gar- den furnishings/ornament; ceramic tile & clay tile roofing; cupolas, finials & vents; special brick & features; mural painting; restoration.	Write in No. 1672
NOMMA - Nat'l Ornamental & Misc. Metals Assn. 888-516-8585; Fax: 770-288-2006 www.nomma.org McDonough, GA 30253	Major trade association: membership of more than 1,000 metal craftspeople; goal is to improve levels of professional excellence in metalwork; visit website to find NOMMA mem- bers in your area.	Write in No. 5170
Notting Hill Decorative Hardware 262-248-8890; Fax: 262-248-7876 www.nottinghill-usa.com Lake Geneva, WI 53147	Distributor of high-end hardware: knobs & pulls of hand-cast pewter or bronze, additional plating options, semi-precious stones, enamel- ing & hand painting; Classical, old world, island & lodge motifs.	Write in No. 319
Nowell's, Inc. 415-332-4933; Fax: 415-332-4936 491 Gates 5 Rd. Sausalito, CA 94965	Supplier of antique lighting & reproduction Victorian fixtures: some styles in gas; histori- cally accurate styles from Victorian to mid- 20th century; restored antique lighting; oil lamp part replacement.	
<b>O.K. Foundry Co., Inc.</b> 804-233-9674; Fax: 804-233-6240 www.okfoundrycompany.com Richmond, VA 23224	Custom fabricator of cast-iron elements: sculpture, columns & capitals, fencing, bol- lards, stanchions, mantels, fireplaces, chim- neys & accessories.	Write in No. 1894
Oak Leaf Conservatories of York 404-851-9753; Fax: 404-250-6283 www.oakleafconservatories.com Atlanta, GA 30327	Designer, custom fabricator & installer of authentic British conservatories, orangeries, garden rooms, pool/spa enclosures & glass domes: handcrafted in England; mortise-&- tenon construction, premium-grade mahogany & double glazing.	Write in No. 6860
Old California Lantern Co. 800-577-6679; Fax: 714-771-5714 www.oldcalifornia.com Orange, CA 92867	Supplier of historically inspired lighting: interi- or & exterior; many styles from Arts & Crafts to Cottage to Old West.	Write in No. 1608
Old Carolina Brick Co. 704-636-8850; Fax: 704-636-0000 www.handmadebrick.com Salisbury, NC 28147	Manufacturer of handmade brick, pavers, arch- es & special shapes: custom & stock designs; restoration consulting & matches.	Write in No. 3130
<b>Old Town Repair</b> 781-631-5145; Fax: 781-639-8024 www.oldtownrepair.com Marblehead, MA 01945	Restorer of historical wood windows & doors: residential & commercial.	
Olde Mill Lighting, Ltd. 717-299-2512; Fax: 717-299-5822 www.oldemilllighting.com Lancaster, PA 17602	Manufacturer of lighting fixtures: chandeliers, sconces, foyer & hall lights & exterior post & wall lamps; aged tin, brass & copper; period American styles; historical reproductions; handcrafted; custom orders.	Write in No. 2664
Ornametals, LLC 256-350-7410; Fax: 256-309-5921 www.ornametals.com Decatur, AL 35601	Fabricator & distributor of metal roofing & roof ornament: finials, cupolas, crosses, weather- vanes, gutters, leader boxes & more; exterior balustrades & cornices; copper & zinc.	Write in No. 5025
Oshkosh Designs 877-582-9977; Fax: 920-582-9971 www.oshkoshdesigns.com Winneconne, WI 54986	Manufacturer of decorative inlay perimeter, compositions, & parquetry: easy installation; custom work; stock line; geometric & laser/ water-jet production; various hardwoods & exotics; stone & metal.	Write in No. 9140
Otterbine Barebo, Inc. 800-237-8837; Fax: 610-965-6050 www.otterbine.com Emmaus, PA 18049	Manufacturer of water-aeration systems: foun- tains, water-quality management products, sur- face & sub-surface systems promote natural aerobic digestion of waste, algae & run-off; de- watering pumps, underwater lighting & lake dye.	
<b>Otteson Co.</b> 972-317-3120; Fax: 972-317-2812 ?O. Box 293060 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.	Write in No. 1045
<b>Dxford Garden</b> 877-266-8331; Fax: 502-719-8888 www.oxfordgarden.com Louisville, KY 40299	Manufacturer of landscape furnishings: bench- es, tables, chairs & accessories; Classic English Benches & Chadwick Collection.	Write in No. 1838
Pacific Columns 800-294-1098; Fax: 714-630-4549 www.pacificcolumns.com Brea, CA 92821	Supplier of architectural millwork & more: columns, balustrades, wainscoting, door & window trim, metal ceilings & walls, moldings, niches, brackets, medallions, wood carvings & louvers; variety of wood species; urethane millwork.	Write in No. 88
Pagliacco Turning & Milling 415-488-4333; Fax: 415-488-9372 www.pagliacco.com Noodacre, CA 94973	Manufacturer of columns & other turnings: solid & hollow turnings from 1% to 24 in. x 20 ft.; load- & non-load-bearing; balusters, handrails & newel posts; Classical styles; stock & custom turnings.	Write in No. 7070

Company	Specialty	Literature
Park City Rain Gutter 435-649-2805; Fax: 435-649-2605 www.pcraingutter.com Park City, UT 84068	U.S. distributor of Minoletti half-round gutter products: gutter & downspout brackets, spheri- cal end caps, miter corners, smooth downspout elbows, yoke-style outlets, leader heads, grille vents & rain chains; copper & zinc.	Write in No. 957
Parrett Windows 800-541-9527; Fax: 715-654-6555 www.parrettwindows.com Dorchester, WI 54425	Manufacturer of handcrafted custom wood & clad-wood windows: fixed or operating; any geo- metric shape; numerous wood species; made to exact specifications; complete finishing capabili- ties; certified & tested; nationwide distribution.	Write in No. 3003
Peck Studios 202-331-1966; Fax: Same as phone www.peckstudios.com Washington, DC 20010	Designer & installer of large-scale public deco- rative works: murals & trompe l'oeil paintings, mosaics, faux finishes, graining, keim mineral systems & gilding.	Write in No. 208
Petersen Aluminum Corp. 800-323-1960; Fax: 847-956-7968 www.pac-clad.com Elk Grove Village, IL 60007	Manufacturer of architectural metal roofing pan- els & trim: Pac-Clad Kynar 500 sheet-metal coating in 25 colors on steel & 15 colors on aluminum.	
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 hard- ware, storm/screen-door latch sets & more.	Write in No. 6001
Pinch of the Past 912-232-5563; Fax: Same as phone www.pinchofthepast.com Savannah, GA 31401	Supplier of architectural antique salvage: antique building materials & complete line of hard-to-find iron, concrete & hardware reproduc- tion items; 25 years of experience.	Write in No. 1773
Poligon Div., W.H. Porter 800-354-7721; Fax: 616-399-9123 www.portercorp.com Holland, MI 49424	Manufacturer of pre-engineered, bolted tubular- steel gazebos, shelters, pavilions & enclosed structures: for parks, gardens, streetscapes, benches, courtyards & recreational facilities.	Write in No. 984
Premier Mantles 800-767-0195; Fax: 256-767-0278 www.premiermantles.com Florence, AL 35633	Manufacturer of mantels: variety of designs; pedestals; many wood species & marble & granite; common sizes & designs may be stocked locally or can be ordered custom sized.	
PRG, Inc. 800-774-7891; Fax: 301-279-7885 www.prginc.com Rockville, MD 20849	Supplier of crack monitors, Rilem tubes, RecyClean system, moisture survey equipment, epoxies for wood repair, low-toxicity borate wood preservatives, fire-retardant wood finishes, Proprep scrapers, scanners, books & more.	Write in No. 3030
Rambusch Decorating Co. 201-333-2525; Fax: 201-433-3355 www.rambusch.com Jersey City, NJ 07304	Designer & fabricator of ecclesiastical art & stained glass: altars, ambos, arks, crosses & more; decorative painting; commercial environments; since 1898.	Write in No. 8002
Rambusch Lighting Co Design Studios 201-333-2525; Fax: 201-860-9999 www.rambusch.com Jersey City, NJ 07304	Designer & fabricator of custom & engineered lighting for 100 years: for churches & public spaces; conservation & replication of lighting fixtures.	Write in No. 6310
<b>REBCO, Inc.</b> 973-684-0200; Fax: 973-684-0118 www.rebcoinc.com Paterson, NJ 07509	Manufacturer of metal commercial doors, entrances, sliders & windows: casement, vent, hopper & fixed; storefront systems; aluminum extrusions, sheets, panels & stock lengths; cus- tom fabrication, colors & finishes.	
Reflection Studios 510-652-4884; Fax: 510-658-6138 www.reflectionstudios.com Emeryville, CA 94608	Designer, fabricator & installer of fine-art glass: commercial, ecclesiastical & residential; conser- vation & restoration of historic stained glass; design, construction & renovation of stained- glass domes & ceilings.	
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, alu- minum, zinc & wood; handcrafted to last for generations.	Write in No. 5810
<b>Rejuvenation</b> 888-401-1900; Fax: 800-526-7329 www.rejuvenation.com Portland, OR 97210	Manufacturer of authentic reproduction lighting: more than 500 interior & exterior styles; painted- glass shades; door & window hardware; registers.	Write in No. 7630
Remains Lighting 212-675-8051; Fax: 212-675-8052 www.remains.com New York, NY 10001	Importer & distributor of traditional lighting fix- tures: thousands of antique chandeliers & sconces restored; some made by 19th- & 20th- century designers such as E.F. Caldwell & Co.; new wall & ceiling fixtures; UL listed.	Write in No. 792
Renaissance Conservatories 800-882-4657; Fax: 717-661-7727 www.renaissanceconservatories.com Leola, PA 17540	Designer, manufacturer & installer of conserva- tories, greenhouses, garden follies, pool enclo- sures, specialty skylights, roof lanterns, domes & garden windows: Classical designs; hand- crafted mahogany components; custom designs.	Write in No. 378
Restoric, LLC 847-492-0416; Fax: 847-492-9816 www.restoric.com Evanston, IL 60201	Restoration & construction management: civic, religious & institutional buildings; consultant on stained glass, accessibility & more.	
Richard 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 18th & 19th centuries; various finishes.	Write in No. 4170

Company	Specialty	Literature
Richards-Wilcox, Inc. 800-877-8456; 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.	Write 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 light- ing & gazebos; wrought iron/steel, aluminum, bronze & cast iron; historical restoration.	Write 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; pro- tective glazing; beveled, carved & fused/ slumped glass; steel casement retrofitting; mosaics; established in 1920.	Write in No. 6240 for stained glass; 1480 for windows
Rosetta Studio 970-667-6265; Fax: Same as phone www.rosettasculpture.com Loveland, CO 80537	Sculpture studio: stylized representational bronze sculpture of animal subjects; all sizes; for public, corporate & private placement & commissions.	
Rossi USA Corp. 708-493-2206; Fax: 708-493-2869 www.rossilimestone.com Bellwood, IL 60104	Quarrier & fabricator of French limestone: dimensional cut, tile, pavers, slabs, cleft stones, castle stones, vanities, fireplaces, fountains, retaining walls & sculpture; inventory & show- room in U.S.	Write in No. 392
Rutland Gutter Supply 407-859-1119; Fax: 407-859-1123 www.rutlandguttersupply.com Orlando, FL 32824	Manufacturer of roof drainage systems: copper gutters, leader heads, chimney caps, finials, soffit vents, elbows, miters, pipes, end caps & copper balls.	Write in No. 1609
Saint-Jacques Artisans Workshops 312-943-0351; Fax: Same as phone 5458 N. Magnolia St. Chicago, IL 60640	Supplier of French architectural crafts: cabinet making, decorative metalwork, high-end wood- work, joinery, ornamental stone carving & wrought ironwork.	
Schiff Architectural Detail 617-887-0202; Fax: 617-887-0127 www.schiffarchitectural.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.	Write 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 & stain- less steel; historical restoration.	Write in No. 1218
Scottsdale Art Factory 800-292-0008; Fax: 800-292-0046 www.artfactory.com Scottsdale, AZ 85260	Custom manufacturer of furniture, grand entrance doors, gates, lighting & hardware: handmade in exotic woods, stone, copper, iron & leathers; more than nine decades of craftsmanship.	Write in No. 1625
Seal Reinforced Fiberglass, Inc. 631-842-2230; Fax: 631-842-2276 www.sealfiberglass.com Copiague, NY 11726	Supplier of FRP building components: cor- nices, cupolas, columns, balustrades, brackets, planters, urns, water features & garden orna- ment; full-service mold & tool fabricator; on- site molds.	Write in No. 4620 for cornices; 1353 for cupolas
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 Fall- ingwater; vintage steel casement windows & doors; more than 6,000 windows repaired annually.	Write in No. 3590
Seibert & Rice 973-467-8266; Fax: 973-379-2536 www.seibert-rice.com Short Hills, NJ 07078	Importer of handmade Italian terra-cotta items: benches, garden planters, urns & orna- ments; high relief, fine detailing & frost proof; from Impruneta, Italy; extensive inventory; cus- tom capabilities; catalog \$5.	Write in No. 5500
Sepp Leaf Products, Inc. 800-971-7377; Fax: 212-725-0308 www.seppleaf.com New York, NY 10016	Supplier of genuine gold & metal leaf, gilding tools & supplies: leaf in loose, patent & ribbon forms; interior & exterior work; Liberon paste waxes & wood finishing products; mica pow- ders & Mixol Universal Tints; Venetian plaster.	Write in No. 2880 for gold leaf 1006 for Kolcaustico
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 interior & exterior shutters: cedar & mahogany; all sizes; movable & fixed louvers, raised panels, board-&-batten & cutouts; hinges, holdbacks; interior shutters in poplar, basswood & red oak; painting services.	Write in No. 1321
Signature Hardware 866-855-2284; Fax: 800-682-6826 www.signaturehardware.com Erlanger, KY 41017	Direct distributor of bathroom supplies: cast- iron & acrylic clawfoot bathtubs, porcelain sinks, brass faucets, shower rods & rings; floor registers & air returns: decorative door, window & gate hardware; lighting; mailboxes.	Write in No. 1376
SnoBlox, Inc. 717-697-1900; Fax: 717-697-2452 www.snojax.com Mechanicsburg, PA 17055	Supplier of polycarbonate snowguards: for use on metal roofs; 2 sizes; adhesive or screw mounted; snowguards for roof vents & chimneys.	Write in No. 1758
Solar Innovations, Inc. 800-618-0669; Fax: 717-933-1393 www.solarinnovations.com Myerstown, PA 17067	Designer, fabricator & installer of standard & custom glazed structures: conservatories, greenhouses, skylights, glass domes, folding glass walls, pool/spa enclosures, sunrooms & canopies; all aluminum & aluminum/wood.	Write in No. 1174

Company	Specialty	Literature
St. Louis Antique Lighting Co. 314-863-1414; Fax: 314-863-6702 801 N. Skinker Blvd. Saint Louis, MO 63130	Manufacturer & supplier of architectural light- ing: all styles; historical reproductions & cus- tom lighting; restoration services; commercial & ecclesiastical projects.	Write in No. 6190
Steptoe & Wife Antiques Ltd. 800-461-0060; Fax: 416-780-1814 www.steptoewife.com Toronto, ON, Canada M6B 1V9	Fabricator of architectural metalwork: spiral & straight staircases, railings, capitals, gates & grilles; copper, iron, aluminum, steel, brass & bronze fabrication for renovation & restoration projects; tin ceilings in Canada only.	Write in No. 470 for stairs; 9201 for ceilings
Sterling Staircase & Handrail 802-253-6339; Fax: 802-253-7652 www.sterlingstaircase.com Stowe, VT 05672	Custom fabricator & installer of curved wood staircases: handrails, newel posts & custom turnings up to 9 ft. long & 3 ft. in dia.; prod- ucts shipped internationally.	Write in No. 547
Sternberg Lighting 847-588-3400; Fax: 847-588-3440 www.sternberglighting.com Roselle, IL 60172	Manufacturer of traditional & architectural lighting luminaires, poles, bollards, site ameni- ties & landscape furnishings: wide selection of high-performance lamping reflectors, refractors & NightSky optical systems for luminaries.	Write in No. 6740
Steven Handelman Studios 805-962-5119; Fax: 805-966-9529 www.stevenhandelmanstudios.com Santa Barbara, CA 93103	Manufacturer of hand-forged traditional light- ing, grilles & fireplace accessories: many types & styles of lighting & grilles; fireplace screens, grates & inserts; historic reproduction & restoration services.	Write in No. 483
Stone Decora 818-986-1171; Fax: 818-907-0343 www.stonedecora.com Pacific Palisades, CA 90270	Custom hand carver of natural-stone products: limestone, cantera, adoquin, travertine, marble & sandstone quarried in Europe & Mexico; fireplaces, fountains, columns, balustrades, molding, sculpture & custom work.	
Strybuc Industries 800-352-0800; Fax: 610-534-3202 www.strybuc.com Sharon Hill, PA 19079	Supplier of replacement door & window hard- ware: screen & storm doors; shutter hardware; parts for renovation/restoration projects; through distributors only, no direct sales to end users; catalog of more than 4,000 drawings.	- Tom-
Superior Moulding, Inc. 800-473-1415; Fax: 818-376-1314 www.superiormoulding.com Van Nuys, CA 91411	Supplier of architectural & ornamental wood- work: molding, straight & curved stairs, rails, balusters, spindles, newel posts, treads, ceiling medallions, furniture legs, columns, capitals & more; custom turnings; all wood species.	Write in No. 138
T. Morton & Co. Custom Wood Flooring 717-278-0513; Fax: 717-278-9483 www.tmorton.com Lancaster, PA 17607	Supplier of custom wood flooring: many species, various lengths, finishes & colors.	
Tanglewood Conservatories 410-479-4700; Fax: 410-479-4797 www.tanglewoodconservatories.com Denton, MD 21629	Manufacturer of handcrafted conservatories, greenhouses, gazebos, roof lanterns, cupolas & pool enclosures: Honduras mahogany; cus- tom designs; fully engineered with stamped shop drawings; storefronts.	Write in No. 8270
Texas Metal Industries, Inc. 800-222-6033; Fax: 800-472-3807 www.texasmetalindustries.com Crandall, TX 75114	Supplier of ornamental castings: furniture, gates, fences, mailboxes, signage, finials, balustrades, stair railings, fountains, benches, grilles, lampposts & urns; aluminum, cast iron & forged steel.	Write in No. 9430
The Nanz Company 212-367-7000; Fax: 212-367-7375 www.nanz.com New York, NY 10013	Designer & manufacturer of period door & window hardware: Gothic, Moderne & other styles; metal finishing; consultation, specifica- tion & restoration services.	Call for more information.
The Period Arts Fan Co. 888-588-3267; Fax: 541-482-8418 www.periodartsfanco.com Ashland, OR 97520	Supplier of traditionally styled ceiling fans: Arts & Crafts, Neoclassical, Art Nouveau, Bauhaus, French Art Deco & more styles.	Write in No. 1837
The Sculpture Foundation 310-264-2400; Fax: 310-264-2403 www.sewardjohnson.com Santa Monica, CA 90404	Sculptor: J. Seward Johnson, Jr.; realistic, life- size bronze exterior & garden sculpture.	Call for more information.
The Shutter Depot 706-672-1214; Fax: 706-672-1122 www.theshutterdepot.com Greenville, GA 30222	Supplier of shutters & shutter hardware: 2 <sup>1</sup> / <sub>2</sub> -in. movable, raised-panel & fixed louvers; interior & exterior; finished & unfinished; custom & stock.	Write in No. 6830
The Verdin Company 800-543-0488; Fax: 513-241-1855 www.verdin.com Cincinnati, OH 45202	Manufacturer of new bells & bell-ringing equipment: electronic carillons, street clocks, clock chiming systems, tower clocks & life-size heroic monuments; representatives throughout the country.	
The Wagner Companies 888-243-6914; Fax: 414-214-0450 www.wagnercompanies.com Butler, WI 53007	Supplier of ornamental metalwork: handrail moldings & fittings, posts, balusters, forged components & panels & decorative castings & stampings; ornamental hollow balls & hemispheres; spiral stairs; custom bending for railings.	Write in No. 8035
Tidewater Millwork 207-443-8020; Fax: 207-443-8022 www.tidewatermillwork.com Woolwich, ME 04579	Fabricator of architectural millwork: entryways, doors, sash, molding, curved millwork, repro- duction of historic millwork & more.	Write in No. 1835

Company	Specialty	Literature
Tile Roofs, Inc. 888-708-8453; Fax: 708-479-7865 www.tileroofs.com Frankfort, IL 60423	Supplier & installer of clay tile, concrete tile & slate roofing: architectural sheetmetal; historic restoration; large inventory of salvaged slate, clay tile, concrete tile, finials & hard-to-find fit- tings; all tile in stock.	Write in No. 4570
Tile Source, Inc. 843-689-9151; Fax: 843-689-9161 www.tile-source.com Hilton Head Island, SC 29926	Supplier of genuine encaustic tile, simulated reproductions & Victorian-style wall & fireplace tile: advice on economical restoration of 19th- century ceramic floors for public buildings, courthouses & private homes.	Write in No. 2846 for tile; 8121 for plaques
Timberlane, Inc. 215-616-0600; Fax: 215-616-0749 www.timberlane.com Montgomeryville, PA 18936	Custom fabricator of handcrafted exterior shut- ters: more than 25 historically accurate styles & custom designs; available in maintenance- free Endurian or traditional western red cedar; large selection of exterior shutter hardware.	Write in No. 1056; 1925 for Endurian
<b>Timberpeg</b> 800-636-2424; Fax: 603-298-5425 www.timberpeg.com W. Lebanon, NH 03784	Manufacturer of timber-frame structures: inde- pendent representatives provide local service; architectural & engineering staff facilitates com- munication with outside architects & designers; trusses, roof systems & complete packages.	Write in No. 8370
Torrance Steel Window Co. 310-328-9181; Fax: 310-328-7485 www.torrancesteelwindow.com Torrance, CA 90501	Custom fabricator of steel casement windows, doors, storefronts & skylights: light-, standard- & heavy-intermediate grades; stock & custom sizes.	Write in No. 8330
Town & Country Conservatories 773-506-8000; No fax www.townandcountryus.com Chicago, IL 60640	Custom designer & builder of imported English conservatories, pool enclosures, garden hous- es & roof lanterns: hardwood & thermal-clad aluminum; traditional details; national sales & service; brochure & planning & design guide.	
Towne House Restorations 718-497-9200; Fax: 718-497-3556 www.townehouserestorations.com Brooklyn, NY 11206	Manufacturer of molded ornament: columns, capitals, cornices, balustrades, sculpture & more; cast stone & GFRC; pattern restoration, color matching, field molds, field surveys, shop drawings & engineering; terra-cotta restoration.	Write in No. 545
Traditional Cut Stone, Ltd. 416-652-8434; Fax: 905-673-8434 www.traditionalcutstone.com Mississauga, ON, Canada L5S 1S1	European master carvers: architectural orma- mentation & monumental statuary; carved- stone mantels; restoration; historical reproduc- tion in limestone, sandstone & marble; stone design with clay & plaster models; hand-drawn renderings.	Write in No. 2902
Tremont Nail Co. 800-842-0560; Fax: 508-295-1365 www.tremontnail.com Mansfield, MA 02048	Supplier of antique steel-cut nails: for flooring, siding, furniture & doors; decorative heads; heavy-duty & galvanized nails; 20 different patterns; Colonial hardware for doors & gates.	Write in No. 2669
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.	Write in No. 1058
Tuscan Imports 843-667-9101; Fax: 803-753-9922 www.tuscanimports.com Florence, SC 29505	Supplier of handcrafted Italian terra-cotta planters: variety of shapes & sizes; frost proof; commercial & residential applications.	Write in No. 2563
Under Glass Mfg. Corp. 845-687-4700; Fax: 845-687-4957 www.underglassusa.com High Falls, NY 12440	Manufacturer of aluminum & glass greenhous- es, solariums & sunrooms: curved or straight eaves & slim glazing bars to channel conden- sation; standard & custom models; lean-to & even span, attached or freestanding.	Write in No. 3510
Van Dyke's Restorers 800-787-3355; Fax: 605-796-8888 www.vandykes.com Woonsocket, SD 57385	Supplier of hardware, lighting & antique furni- ture: gate hardware, 6 finishes; brass hardware for renovation; lamp repair; lumber, veneer, wood carvings & molding; all wholesale prices; catalog \$1.	Write in No. 1665
Vande Hey Raleigh Mfg. 800-236-8453; Fax: 920-766-0776 www.vrmtile.com Little Chute, WI 54140	Manufacturer of architectural concrete roofing tile: 9 styles, 20 standard colors & unlimited color combinations; trim flashing, snowguards, copper gutters, cupolas & weathervanes; restoration & new construction.	Write in No. 2840
Vermont Natural Coatings 802-472-8700; Fax: 802-472-5227 www.vermontnaturalcoatings.com Hardwick, VT 05843	Supplier of Poly Whey environmentally safe wood finishes: low VOC levels to meet LEED standards.	
Vermont Timber Works, Inc. 802-886-1917; Fax: 802-886-6188 www.vermonttimberworks.com North Springfield, VT 05150	Custom fabricator of timber frames & trusses: fir, oak, pine & hemlock; traditional mortise-&- tenon joinery & hardwood pegs; residential & commercial buildings.	Write in No. 927
Vetrazzo, LLC 510-234-5550; Fax: 510-234-7890 www.vetrazzo.com Richmond, CA 94804	Supplier of recycled glass material: can be used for countertops, mantels, table tops, walls & flooring; 14 different styles available.	
Village Restorations & Consulting, Inc. 814-239-8200; Fax: 814-239-2165 www.villagerestorations.com Claysburg, PA 16625	Supplier of salvaged stone, barns & timbers.	

Company	Specialty	Literature
Vintage Woodworks 903-356-2158; Fax: 903-356-3023 www.vintagewoodworks.com Quinlan, TX 75474	Manufacturer & supplier of Victorian millwork: wood porch parts, turned posts, turned & sawn balusters, railings, brackets, corbels, custom- length spandrels, screen/storm doors, mantels, wood shingles & more; cellular PVC profiles.	Write in No. 1061
Vixen Hill Shutters 800-423-2766; Fax: 610-286-2099 www.vixenhill.com Elverson, PA 19520	Custom fabricator of shutters: blind-pocketed & teak-pegged (no glue); old-growth red cedar; more than 26 styles; pair sizes to 6x10 ft.; shutter hardware.	Write in No. 1230
Von Morris Corp. 800-646-6888; Fax: 800-646-8988 www.vonmorris.com Camden, NJ 08102	Fabricator of architectural hardware: knobs, levers, locks, hinges & cabinet hardware; 30 different finishes.	Write in No. 1864
W.F. Norman Corp. 800-641-4038; Fax: 417-667-2708 www.wfnorman.com Nevada, MO 64772	Manufacturer of sheet-metal ornament: hun- dreds of stock designs; cornices, moldings, brackets, pressed-metal ceilings, roofing, sid- ing, finials & more; zinc, copper & lead-coated copper; duplication from samples or drawings.	Write in No. 520
Warner Bros. Studio Facilities 818-954-3000; Fax: 818-954-7829 www.wbsf.com Burbank, CA 91522	Custom fabricator of architectural ornament & murals: balustrades, columns, capitals & mold- ings in fiberglass & plaster; fine-art reproduc- tion, restoration & trompe l'oeil; interior & exte- rior decoration.	Write in No. 778
Waterfall Creations, Inc. 646-270-8820; No fax www.gregnagindesigns.com Nyack, NY 10960	Designer & builder of fountains, waterfalls & original sculptures for water features: since 1978.	
Watertrol, Inc. 908-389-1690; Fax: 908-389-9480 www.watertrolinc.com Scotch Plains, NJ 07076	Restorer of exterior masonry & terra cotta: reconstruction, structural stabilization, specialty roofing, exterior building cleaning & specialty anchoring.	Write in No. 218
Weather Shield Mfg. Co. 800-222-2995; Fax: 715-748-0169 www.weathershield.com Medford, WI 54451	Manufacturer of wood & vinyl windows & doors: tilt, double hung, casement, entry doors & more; historical replacement & new construc- tion; window hardware.	
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.	Write in No. 504
What It's Worth 512-328-8837; Fax: Same as phone www.wiwpine.com Austin, TX 78716	Supplier of antique longleaf heart-pine flooring, dimensional lumber, posts & beams: clear ver- tical-grain quartersawn cuts.	Write in No. 1464
White River Hardwoods-Woodworks 800-558-0119; Fax: 479-444-0406 www.mouldings.com Fayetteville, AR 72701	Manufacturer of architectural millwork: Mon Reale moldings, authentic hand-carved linden products & adornments for cabinetry & furni- ture in cherry & maple; in stock lineals, finials, mantels & range hoods; ceiling medallions.	Write in No. 1099
Wiemann Ironworks 918-592-1700; Fax: 918-592-2385 www.wiemanniron.com Tulsa, OK 74104	Designer, fabricator, finisher & installer of cus- tom ornamental metalwork: capitals, railings, fences, gates, balustrades, lighting, grilles, furni- ture, doors & more; cast & wrought iron, bronze & aluminum; hardware; CAD services.	Write in No. 1223

Company	Specialty	Literature
Wightman Specialty Woods 917-692-0057; Fax: 607-286-7136 www.wightmanspecialtywoods.com Portlandville, NY 13834	Supplier of specialty woods: flooring, wainscot- ing, molding, paneling; interior & exterior prod- ucts; grown & manufactured in NY.	
Wilbur, Frederick – Woodcarver 434-263-4827; Fax: 434-263-5958 www.frederickwilbur-woodcarver.com Lovingston, VA 22949	Wood carver: ecclesiastical elements, Gothic tracery, reredos & wood screens; columns, fur- niture, mantels, casing/molding, friezes, rosettes, heraldry, signage & doors; all wood species; original designs; reproductions.	Write in No. 1650
Willet Hauser Architectural Glass 800-533-3960; Fax: 507-457-0554 www.willethauser.com Winona, MN 55987	Art-glass studio: hand-carved, leaded & faceted stained glass; design, fabrication, repair & historical restoration; mosaics; for religious, commercial & residential buildings; since 1898.	Write in No. 2674
Williams Stained Glass 412-344-0220; Fax: 412-344-0219 www.williamsstainedglass.com Castle Shannon, PA 15234	Designer, fabricator & installer of custom art glass: residential, commercial & ecclesiastical application; restoration services for historic stained glass; full-service studio.	
Wm. J. Rigby Co. 607-547-1900; No fax www.wmjrigby.com Cooperstown, NY 13326	Supplier of unused, original stock builders hardware: for doors, windows & furniture; vari- ety of styles & finishes; stock from ca. 1860 to 1940; hardware restoration.	Write in No. 8410
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.	Write in No. 9640
Woodline Co. 562-436-3771; Fax: 562-436-8891 www.woodlineusa.com Long Beach, CA 90813	Manufacturer of hand- & machine-carved architectural wood elements: corbels, capitals, columns, balusters, newel posts, rosettes & more; many species; custom designs also available.	Write in No. 5240
Woodstone Co., The 802-722-9217; Fax: 802-722-9528 www.woodstone.com Westminister, VT 05158	Custom fabricator, distributor & supplier of doors, windows & shutters: paneled doors & complete entryways; storm & screen doors; screen windows; most wood species; coped mortise-&-tenon joinery; historical & landmark specifications	Write in No. 8430
Woolen Mill Fan Co. 717-382-4754; Fax: 717-382-4275 www.architecturalfans.com New Park, PA 17352	Manufacturer of decorative ceiling fans: his- toric & new designs; belt-&-pulley models & beltless single-motor units; iron, bronze & alu- minum castings.	Write in No. 316
Wright Co., John 800-444-9364; Fax: 717-892-1258 P.O. Box 269 Wrightsville, PA 17368	Manufacturer of cast-metal products: hard- ware, brackets, tie-backs & more; garden furni- ture & accessories.	Write in No. 193
Zeluck Doors & Windows 800-233-0101; Fax: 718-531-2564 www.zeluck.com Brooklyn, NY 11234	Manufacturer of custom architectural windows & doors: glass, timber & hardware; garage doors; French doors; residential, commercial & historical/landmark projects; since 1921.	Write in No. 6920

# GUIDEBOOK SOURCELIST

# **Artwork, Art Glass & Furnishings**

For full contact information on these companies, consult the Sourcelist on p. 44.



Artists at **Canning Studios** restored the "Stations of the Cross" paintings at The Most Holy Trinity Church in Pomfret, CT. *Write in No. 5100* 



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





Rohlf's Stained & Leaded Glass Studio removed, restored and re-installed this window in St. Saviour's Chapel at the Cathedral of St. John the Divine in New York City. Write in No. 6240





**Conrad Schmitt Studios'** restoration work at the 1901 French Lick Springs Hotel included creating these new murals on the ceiling of the west corridor. *Write in No.* 8040



# Rambusch Decorating Co. designed, created and installed this mosaic figure of Moses at the Basilica of the National

Moses at the Basilica of the National Shrine of the Immaculate Conception in Washing-ton, DC; it is part of the scene of the Transfiguration. *Write in No. 8002* 

Modern Art Foundry's Ann Marie McDonnell created this 24x13x13-in. bronze, entitled "Rook." Write in No. 1810

Bovard Studio reconstructed this historic stained-glass barrel-vault ceiling that had been removed from the Montana State Capitol in Helena, MT. Write in No. 7690



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Studios provides award-winning artwork for churches, theatres, hotels, courthouses and state capitols. With a unified artistic vision, CSS's talented and 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.

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#### 800-969-3033 • www.conradschmitt.com

Large Interior Church Photo: Moberly Photography Inc.

WRITE IN NO. 1839

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#### ARTWORK, ART GLASS & FURNISHINGS



Made of cast stone with an antique finish, "Mother and Child with Fruit Basket" by **Florentine Craftsmen** stands 57 in. tall. *Call 800-971-7600 for more information*.



This hand-carved stone Neptune with base, measuring 102 in. tall x 57 in. wide x 26 in. deep, was created by **Architectural Pottery**. *Write in No. 20* 



These statues, "Summer," "Autumn" and "Winter," were created by Haddonstone (USA). Write in No. 4020



Art Design Group created several historic scenes for the Maxwell Street Project in Chicago, IL, including this statue of a woman with her groceries. *Write in No. 1793* 



"The Leap" by **Rosetta Studio** is installed at Chapman University in Orange, CA.





Dan Sinclair of **DMS Studios** sculpted this statue of St. Michael in battle with Lucifer for a project in California. *Write in No. 262* 





This 9½-ft.-tall statue of Lord Nelson was produced by the artisans at **Traditional Cut Stone**. Write in No. 2902



Jon Hair Studio of Fine Art created these life-size bronze historic figures (from left) of John Wesley, Amelia Earhart and Dr. Martin Luther King.

**Eve Guinan Design** restored the traditional stained-glass windows for the Library of Parliament in Ottawa, Canada.

Handcrafted drapery hardware from **Gaby's Shoppe** is offered in many styles. *Write in No. 2520* 

## BOVARD STUDIO INC.

#### COME SEE US IN BOSTON! Traditional Building Exhibition - March 14, 2008



Above: Ron and Greg Bovard



Above: Replacement frame for First Presbyterian Church, Fort Smith, Arkansas



• Attend Ron Bovard's seminar, "Restoring, Maintaining & Repairing Stained Glass Windows: Exterior Glazing & Framing Systems for the Preservation of Stained Glass Windows" (for one AIA/CES Learning Unit), at Boston's Hynes Convention Center on Friday, March 14, 2008, 8:30 a.m.

#### The AIA National Convention May 15-17, 2008

• Visit our Booth #12005, at the Boston Convention Center.

• Our woodshop replicates damaged and destroyed window frames using plantation grown Honduras mahogany and old growth white pine.

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Above: Louis Tiffany's masterpiece, The Good Shepherd, was exhibited in the 1893 World Columbian Exhibition representing his finest production in glass. This Good Shepherd window was purchased by Judge D. N. Cooley's family as the memorial for him and his wife Clara for St. Luke's United Methodist Church, Dubuque, Iowa, where it was installed in 1896. Bovard Studio was selected to restore this historic Tiffany masterpiece in 2002.

Above: First United Methodist Church, Iowa City, Iowa. Rose window with Bovard Studio's aluminum Precision Flow® framing system bent to match the original historic Rose window frame.

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#### ARTWORK, ART GLASS & FURNISHINGS



This large-scale (8x18-ft.) mural was painted by **Peck Studios** for the American Legacy Foundation. *Write in No. 208* 



"Coastal Reflections of Fort Walton Beach," Florida, a 4½ x 15-ft. mosaic, was created by **Fishman Mosaics** for a bank lobby in Florida. *Write in No. 183* 



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. Write in No. 4710



This is one of two 18th-century alabaster figures restored by **Gerald Siciliano Studio**. *Write in No.* 187



**EverGreene Painting Studios** recreated six monumental WPA-era murals, which had been destroyed by a fire in 1942, for Fair Park in Dallas, TX. *Write in No.* 2460



**Reflection Studios**' art-glass panel, "The Emerald Lady," is an interpretive adaptation of the original art by Jiang.





This door panel was created by **Lehmann Glass** using wheel-cutting technology for a building in Chicago, IL. *Write in No.* 4730



Craftsmen from **Serpentino Stained Glass** restored this 1884 La Farge opalescent glass window, "New Jerusalem," for Trinity Church in Boston, MA.





Willet Hauser Architectural Glass restored this Tiffany window for Brown Memorial Park Avenue Presbyterian Church in Baltimore, MD. Write in No. 2674

"The Protectress" was created by the stained-glass artists at Neumann Studios.



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WRITE IN NO. 6860

# **Doors, Windows, Shutters & Hardware**

For full contact information on these companies, consult the Sourcelist on p. 44.



Ultimate Double Hung Mangum Round Top windows are available from **Marvin Windows and Doors** in a variety of large sizes and shapes. *Write In No.* 1263



This Craftsman/Mission style door, model 360-H-14, was fabricated by **Coppa Woodworking** in mahogany. *Write in No. 9600* 



Mulled, bowed, double-hung windows made of genuine mahogany were restored by **Woodstone Co.** for a library in Maryland. *Write in No.* 8430



non management of the second second



Allied-one-lite laminated windows from Allied Window were installed at Faneuil

These wood windows were manufactured by **Custom Trades International**. Write in No. 1083

#### Hall Marketplace in Boston, MA. Write in No. 690



An interior storm from **Climate Seal** provides insulation while protecting the appearance of this historic window.



**Timberlane** manufactured these traditionally styled recessed-panel shutters. *Write in No. 1056* 



#### Fenestra-America products are Dade County, Hurricane Impact, SBCCI and IBC Certified

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WRITE IN NO. 1548

#### DOORS, WINDOWS, SHUTTERS & HARDWARE



**E.R. Butler**'s model #1426/1335 French door hardware is fit for a castle – complete with a crown on the crest. *Write in No. 2260* 



**Al Bar-Wilmette Platers** plates new hardware to match historic finishes and restores historic hardware and metal fix-tures. *Write in No. 2636* 



The English Garden Collection of hardware is one of many lines offered by **Notting Hill Decorative Hardware**. *Write in No. 319* 



The Moorestown lever from **Von Morris Corp.** is paired here with a large rosette. *Write in No.* 1864



P.E. Guerin manufactured these period-style door levers. Write in No. 1166





**Ball & Ball Lighting** restored and refinished this decorative door pull. *Write in No. 2930* 



This traditional door set and steeple-tip door hinge are available from **House of Antique Hardware** in nine different

Architectural Products by Outwater's extensive collection of architectural products includes a wide variety of doorknobs. Write in No. 1088



Maurer & Shepherd, Joyners, custom fabricated this Palladian window in wood. *Call* 863-633-2383 for more information.



These cabinet pulls from **Van Dyke's Restorers** are available in antique brass, pewter, bronze and other finishes. *Write in No. 1665*  finishes. Write in No. 1096



As part of its hardware collection, **Crown City Hardware** supplies plain and ornate iron rosettes and knobs. *Write in No. 432* 

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Custom Shutter Company manufactured these exterior red cedar shutters. Write In No. 1900



This traditionally styled window is typical of the historic work done by **Architectural Components**. Call 413-367-9441 for more information.



Kingsland Co. Doors custom manufactures doors and entryways in Honduras mahogany. Write in No. 4573



Glass interior storm windows from **Innerglass** maintain the integrity and beauty of historic windows. *Write in No. 909* 



This historically styled bronze door is one of many styles available from **Fenestra America** Write in No. 1548



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These Victorian-style screen doors were crafted by **Cumberland Woodcraft** from solid Spanish cedar for extended durability. *Write in No. 1310* 



**The Nanz Company** offers a selection of door handles in many styles, materials and finishes. *Call 212-367-7000 for more information*.



Kingsland Co. Shutters supplies louvered, cut-out and raised-panel shutters in mahogany. Write in No. 196





The Augustus doorknob is one of many historic styles available from **Baltica**. *Write in No. 411* 



**Grabill Windows & Doors** manufactured single-hung and pivot oval windows, round-top transoms and doors for the U.S. Post Office in Poughkeepsie, NY. *Write in No. 1910* 

**Shuttercraft** offers a variety of shutter styles with various cut-out options. *Write in No. 1321* 

The Shutter Depot supplies both custom and stock shutters as well as shutter hardware. Write in No. 6830

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This arched-top double-door was custom manufactured by Jim Illingworth Millwork. Write in No. 1696



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WRITE IN NO. 2636

# **Exterior Elements, Ornament & Finishes**

For full contact information on these companies, consult the Sourcelist on p. 44.



These elements were created using cellular-PVC pieces from AZEK Building Products. Write in No. 1428



The exterior ornament on this Palm Beach, CA, building was fabricated in French limestone by Traditional Cut Stone. Write in No. 290



The custom cartouche, rosettes and foliate swag on this cornice ornament were fabricated by Warner Bros. Studio Facilities. Write in No. 778



Hand-carved exterior ornament is one of the specialties of Cantera Especial. Write in No. 31





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



This stamped-sheet-metal cornice was fabricated by W.F. Norman. Write in No. 520

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This decorative pediment was fabricated by **Seal Reinforced Fiberglass**. *Write in No.* 4620



The decorative cornice on this building was reproduced by **Architectural Fiberglass Corp.** in fiberglass. *Write in No. 6400* 

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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*.

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#### PORTFOLIO

# Flooring

For full contact information on these companies, consult the Sourcelist on p. 44.



This wood floor was created using **Craftsman Lumber**'s eastern white pine, which comes in 12- to 14-in. widths. *Write in No. 4320* 



**Champlain Stone** used South Bay quartzite flagging for this floor. *Write in No.* 4270



Handmade encaustic Victorian-style tile from **Tile Source**, including the Arundel pattern with a Bronte border and Palmerston centerpiece, was used for this lobby floor. *Write in No. 2846* 



This stone inlay was designed and fabricated by **Oshkosh Designs**. Write in No. 9140





Custom-milled antique oak flooring is one of the many wood-flooring options available from **Chestnut Specialists**. *Call 860-283-4209 for more information*.



American Restoration Tile manufactured this 1-in. hexagonal, unglazed porcelain tile for the Capital Hotel in Little Rock, AR. Write in No. 8032





Longleaf Lumber supplied the antique oak flooring for Marco's Restaurant in Boston, MA. Write in No. 272



Antique & Vintage Woods of America specializes in salvaged and reclaimed building materials, which can be used for wide-plank flooring. This stone flooring was provided by **Cantera Especial**. Write in No. 31



Before remilling vintage chestnut beams into flooring, workers from **Authentic Wood Floors** must first remove any nails that are embedded in the wood. *Write in No. 8000*  This decorative wood parquet flooring was fabricated by **Czar Floors**.



This salvaged flooring was supplied by Longwood Antique Woods. Write in No. 1844





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When contacting companies you've seen in the issue, please tell them you saw their listing in Traditional Building.

# **Interior Elements, Ornament & Finishes**

For full contact information on these companies, consult the Sourcelist on p. 44.



Flex Moulding used polyester resin to create this ornate barrel-vaulted ceiling. Write in No. 4900



Ceiling panels with historical patterns are the specialty of **Brian Greer's Tin Ceilings, Walls & Unique Metal Work**.



**Conrad Schmitt Studios** conducted the historic paint investigations, and restored the decorative painting and the polychrome statuary, for the 1927 Gothic Sacred Heart Cathedral in Rochester, NY. *Write in No. 8040* 



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. *Write in No. 2890* 





MasterMold, a non-toxic polyurethane paste from **Abatron**, is used to reproduce both large and small flexible molds. *Write in No. 1300* 

John Tiedemann restored the interior of St. Paul's Chapel in New York City. *Write in* No. 1765



**Classic Ceilings** supplies tin ceilings from original molds that date back to 1896. *Write in No. 2400* 



Pressed-tin ceiling panels from **Chelsea Decorative Metal** come in Victorian and Art Deco styles. *Write in No. 190* 

#### INTERIOR ELEMENTS, ORNAMENT & FINISHES



This embossed mahogany molding from Manor Style was used to decorate a restaurant. Write in No. 703



The restoration of the lobby ceiling of the South Carolina State House by NIKO Contracting included new bronze medallions, cornice and trim. *Write in No. 861* 



Artisans from **Evergreene Painting Studios** restored the decorative painted ceiling at Temple Emanu-El in New York City. *Write in No. 2460* 



Interior molded ornament is the specialty of **Century Architectural Specialties**. Write in No. 1698



**Canning Studios** carried out the decorative painting in the Connecticut House of Representatives. *Write in No. 5100* 





Historically styled brackets and capitals are available in traditional plaster and compo in a wide range of styles from **Decorators Supply**. *Write in No, 210* 

Gilding supplies from **Sepp Leaf** include genuine gold leaf in various karats and



Above View By Tiles supplied the ornamental plaster ceiling tile for the historic Matthew Keenan Building in Milwaukee, WI. Write in No. 1537



shades for both interior and exterior applications. *Write in No. 2880* 

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This lion fountain is one of many styles available from **Cantera Especial**. Write in No. 31



Allen Architectural Metals fabricates custom cast-metal items such as this planter. *Write in No. 1005* 



Kenneth Lynch & Sons fabricated this fountain. Call 203-264-2831 for more information.



The English Edge clay pavers from **Pine Hall Brick** are available in 2<sup>3</sup>/<sub>4</sub>-in. heavyduty thickness and seven colors.



Various stones from **Champlain Stone**, including Corinthian granite, wallstone and American granite, were used to create this wall. *Write in No. 4270* 



**Dunis Studios** created the hand-painted historic reproduction tile for this fountain in San Antonio, TX.



Egg-and-dart detailing on the bowls of these high-style, formal Roman urns from **Robinson Iron** is complemented by traditional, ornamental laurel wreaths on the bases. *Write in No. 3240* 





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The town of Macon turned to **Lake Shore Industries** for its historical aluminum street signs. *Write in No.* 8730

This running-bond-style paving was created by using hand-molded brick from **Old Carolina Brick**. *Write in No. 3130* 

which has a hinged lid, three litter entries and a 23-gal. plastic liner. *Write in No. 2090* 



R.C. Brosamer, owner of **Brosamer's Bells**, delivers a 4,000-lb. bronze bell to one of his clients. *Write in No.* 7130



**Traditional Cut Stone** custom fabricated this Ram's Head fountain. *Write in No. 2902* 

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**Rossi USA** quarried the stone used for this fountain, which it also fabricated. *Write in No. 392* 



**DeAngelis Iron Work** custom fabricated this fence, installed on Commonwealth Ave. in Boston, MA. *Write in No. 1023* 





This traditionally styled fence was fabricated by **Steptoe & Wife Antiques**. *Write in* No. 470



planters and urns. Write in No. 8163

> Joel Schwartz of **Schwartz's Forge** created this wrought-iron fountain and gate combination for a manorial garden. *Write in No. 1218*

> > This truss bridge was fabricated by Contech.



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# calendar of events

**AWI Lifelong Learning Forum, February 20-23, 2008.** The Architectural Woodwork Institute will hold its Winter Career and Technology Education Forum in Jacksonville, FL. Following the patterns of Charlotte, NC, in 2006, and Dallas, TX, in 2007, seminars will focus on fundamental and advanced project management, estimating and more. Visit www.awinet.org for details.

**Traditional Building Exhibition & Conference, March 12-15, 2008.** The nation's largest event dedicated to historic restoration, renovation and historically inspired new construction will be held at the Hynes Convention Center in Boston, MA. The conference includes sessions



with professional learning units available through the AIA, ASLA, ASID, IIDA, AIC and the APA. For details on programs and exhibiting, go to www.traditionalbuildingshow.com.

The Traditional Building Exhibition & Conference will be held at the Hynes Convention Center in Boston, MA, home of the Massachusetts State Capitol.

National Green Building Conference, May 11-13, 2008. The National Association of Home Builders will hold its national conference, targeted to green building for the residential building industry, in New Orleans, LA. The conference will offer educational seminars, plus the chance to network with designers and suppliers. Builders, developers, land planners, product manufacturers and suppliers, architects and designers are encouraged to attend. Visit www.nahb.org/greenbuildingconference for details. programs. Continuing-education courses, eligible for AIA continuing education credits in many of the design areas of Classical architecture, are offered year-round by the institute. For details on these or other events and programs, go to www.classicist.org or e-mail academic@ma-ica.org.

**National Buildng Museum Programs & Exhibits.** The National Building Museum in Washington, DC, offers a series of exhibits and programs throughout the year on topics dealing with architectural design and building. Many of the programs qualify for AIA continuing-education units. The exhibition, "Designing the World of Tomorrow: America's World's Fairs of the 1930s," will run from now to July 4, 2009, focusing on the outburst of fair activity in America during the Depression era. Visit www.nbm.org for details.

**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 compete 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.

**Woodworking Classes.** The North Bennet Street School holds woodworking classes year round in Boston, MA. Class size is limited to 10 to 14 people. To register and pay online, visit www.nbss.org/workshops/ schedule.asp or contact workshop program director Janet A. Collins at

**99th Annual SGAA Conference, June 27-29, 2008.** The Stained Glass Association of America conference will be held at the Marriott Oakland City Center in Oakland, CA. For more information, go to www.stained-glass.org.

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# **Lighting & Electrical**

For full contact information on these companies, consult the Sourcelist on p. 44.



The Andalusia hanging lantern and bracket is manufactured by **Steven Handelman Studios**. *Write in No. 483* 



Herwig Lighting designed and manufactured this cast-metal light fixture. Write in No. 9130



**Robinson Iron** designed and fabricated The Grand Rapids street lamp. *Write in No. 3240* 





This Federal-style brass two-light wall lantern is available from **The Federalist**; it is 16<sup>1</sup>/<sub>2</sub> in. tall and 5<sup>3</sup>/<sub>4</sub> in. deep.



The Apollo I post-mount gas lantern from **Signature Hardware** measures 20 in. tall x 16 in. wide x 14 in. deep. *Write in No. 1376* 



The Nicolai Art Deco light fixture from **Rejuvenation** is available in three finishes. *Write in No. 7630* 



**Maguire Iron** fabricated this lantern with a fixed arm using its dull black hammered finish. *Write in No. 7600* 



This historically styled lantern from **Dahlhaus Lighting** measures 22 in. tall. *Write in No.* 2767



The bronze and iron work for the restoration of New York City's City Hall Park, including the exterior light fixtures, was done by **Allen Architec-tural Metals**. *Write in No. 1005* 

Mica Lamp offers a selection of Arts and Crafts-style lighting fixtures. Write in No. 5870



This 10-arm, traditionally styled chandelier was fabricated by **Richard Scofield Historic Lighting**. Write in No. 4170

#### LIGHTING & ELECTRICAL



These ca. 1920-1930 exterior bronze sconces were refurbished by Schiff Architectural Detail; they are 60 in. tall x 24 in. deep. Write in No. 7730



Old California Lantern supplies a variety of traditionally styled light fixtures. Write in No. 1608





Michael Davis Stained Glass made these blown-glass lighting fixture reproductions for a Texas courthouse in a low-fire enamel, copying the same technique used in the original. Call 718-383-3712 for more information.



Arts and Crafts-style fixtures from Architectural Area Lighting offer options such as a copper shade (right) and a mica shade (left). Write in No. 1702



This bronze garden wall sconce from Coe Studios can be mounted at ground level or on a railing or post; it is available in three sizes. Write in No. 830



This lantern from Deep Landing Workshop measures 32 in. tall x 13<sup>3</sup>/<sub>4</sub> in. wide. Write in No. 809



This wall-mounted copper lantern is typical of those created by Ball & Ball Lighting, and can be mounted on a post or pillar. Write in No. 7660

lantern with divided lights from Fine Architectural Metalsmiths hangs from a forged hook that also functions as the wiring raceway. Write in No. 2640

This overscaled bronzed octagonal

This authentic replica 1900 light bulb from AAMSCO Lighting runs at 30 watts and provides 8-candle luminosity. Write in No. 2240

This New Orleans French Quarter-style gas lantern is one of many historical models available from Bevolo Gas & Electric. Write in No. 166







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The Austen Barn Light from **Heritage** Lanterns, the design of which dates back to the mid-1700s, is available in antiqued bronze as well as other finishes. *Write in No. 1908* 



Lantern Masters fabricated this Spanish Revival-style wall-mounted fixture. Write in No. 1239



This ornate gas light, fabricated by **Historical Arts & Casting** for the Ohio State Capitol building, features an electricignition and flame-sensing system. *Write in No.* 1210



**Otteson** manufactured this light shade, model #339 for filter size 3¼. Write in No. 1045



**Woolen Mill Fan Co.** offers a selection of traditionally styled belt-driven ceiling fans. *Write in No. 316* 



**Customlightstyles.com** fabricates a large variety of exterior lighting, with 10 finishes and 13 glass selections. *Write in No. 2545* 



American switch plate from **Classic Accents** is available in either stained or unstained oak. *Write* in No. 4850

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Aluminum lampposts from **Brandon Industries** are available in many traditional styles. *Write in No.* 73









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# **Mantels, Fireplaces & Chimneys**

For full contact information on these companies, consult the Sourcelist on p. 44.



Haddonstone (USA)'s Deco Chimney Piece features bold, geometric lines inspired by the Art Deco style. Write in No. 4020



Both custom and stock mantels are available from Aristone Designs in cast stone and GFRC. Write in No. 1555





This custom Felstone mantel from Felber Ornamental Plastering was built using stock components. Write in No. 2890





The Seville stone model with overmantel from **Mantels Direct** can be produced in custom sizes. Write in No. 1741



This Yucatan limestone fireplace from Canterland of Mexico is in a crema maya color. Write in No. 1825



This Quaker Gem cast-iron stove, dating from the 1870-90 period, was restored by Good Time Stove. Call 413-268-3677 for more information.

Custom hand-carved stone fireplace mantels are available from DMS Studios; this mantel was carved in limestone. Write in No. 9100





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Kayne & Son Custom Hardware hand forged this arched-top fireplace enclosure, which features bean strap hinges and levers. *Call 828-667-8868 for more information.* 



**Exhausto** chimney fans offer variable settings so they can be used with masonry or metal chimneys and with wood or gas fuel. *Write in No. 5670* 



Jack Arnold – European Copper offers five styles of copper chimney pots measuring up to 3½ ft. tall; they are designed to prevent rain damage and animal infestation while improving draft and reducing the risk of fires. *Write in No. 1719* 



This detail of a **White River Hardwoods-Woodworks** fireplace surround illustrates the variety of ornamentation that can be combined to create a unique mantel. *Write in No. 1099* 



The Sophia is one of many traditionally styled models offered by **Premier Mantles**.



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# Metalwork

For full contact information on these companies, consult the Sourcelist on p. 44.



**King Architectural Metals** created this decorative panel, which measures 9<sup>13</sup>/<sub>16</sub> in. in dia. *Write in No. 418* 



These elegant wrought-iron balusters were supplied by **The Wagner Companies**. Write in No. 8035



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Architectural Grille supplies custom-perforated grilles in a range of metals, thicknesses and finishes. Write in No. 2220



Frank Morrow manufactures ornamental metal trim with solid embossed banding. *Write in No. 1220* 



This metal railing was fabricated by **Steptoe & Wife Antiques**. *Write in No.* 470



This detail of a custom hand-forged iron railing shows the work of Wiemann Ironworks. Write in No. 1223



This railing from **Fine Architectural Metalsmiths** features French Countrystyle scrollwork with bronze leaf finials and center rosettes. *Write in No. 2640* 



**Reggio Register** offers more than 500 register and grille styles and sizes. *Write in No.* 5810



**O.K. Foundry** fabricated this custom cast-iron stairway for the restoration of the Virginia State Capitol. *Write in No.* 1894

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This elaborate railing was made of 1/2-in. steel panels cut by Colorado Waterjet.



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The members of **NOMMA** produce ornamental metalwork such as this stair railing. *Write in No. 5170* 



This cast-iron and cherry stair railing is the work of John F. Graney Metal Design. Write in No. 4840



Ornamental aluminum castings from **Texas Metal Industries** include items such as spears, finials and shoes that can be used on fences and gates. *Write in No. 9430* 



These copper arch-topped louvers were crafted by EJMcopper. Write in No. 1377







This stair balustrade, fabricated by **Schwartz's Forge & Metalworks**, has gilded repousse leaf work and a custom bronze cap rail. *Write in No. 1218* 



This 2-ft.-tall railing in cast iron was created for a building in Washington, DC, by **Historical Arts** & Casting. Write in No. 1210



This intricate canopy with cresting, as well as the bar and billiard room verandahs and the courtyard pavilions, were custom fabricated by **Robinson Iron** for the Raffles Hotel in Singapore. *Write in No. 3240* 

This ornate metal window medallion was created by **Michigan Ornamental Metals**. *Write in No. 9520*  New Star Brass & Bronze Works custom fabricated this hand-forged bronze stair and balcony railing for a building in Long Island, NY. Write in No. 3051



This ornate cast-iron fence detail shows the skills of the artisans at **Architectural Iron Co.** Write in No. 1504 Cast-iron grilles and registers are available from **Acorn Forged Iron** in many styles. *Write in No. 1690* 



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This roof lantern was restored by **Kronenberger & Sons**. Write in No. 536



The model #3CC-G windowed cupola, shown here with a #GE-MVD30 weathervane, is one of many styles available from **Cape Cod Cupola**. Write in No. 1514



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

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Corresponding awards will also be given for residential projects.

Gardens, Streetscapes

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Judging will be by a panel of distinguished architectural designers selected by the editors of *Traditional Building* and *Period Homes*.

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WRITE IN NO. 1340

# Stone, Brick & Masonry

For full contact information on these companies, consult the Sourcelist on p. 44.



**Haddonstone (USA)** supplied the cast-stone ornament for the Marshes Shopping Centre in Ireland, including the custom-made portico with massive columns and Corinthian capitals, window surrounds and quoins. *Write in No. 4020* 



**Gladding, McBean**, supplied the replacement terra-cotta elements on this building's façade. *Write in No. 6010* 



Brick from **Old Carolina Brick** is hand molded in the Colonial tradition of craftsmanship. *Write in No. 3130* 



The precast panels and stones for this chapel were made by the **Lehigh Cement Company**. *Write in No. 169* 



This is one of several 6-ft. griffins carved by **Architectural Stonemasonry** for the Vancouver Public Library. *Write in No. 1656* 







**Watertrol** restored the terra-cotta façade of this building. *Write in No. 218* 

**Weathercap's** soft lead strip embedded in caulk forms a cap or seal that protects any masonry joint. *Write in No. 504* 



**Boston Valley Terra Cotta** restored the terra-cotta exterior of this historic building near Ground Zero in New York City. *Write in No. 160* 







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This ca. 1830 timber frame was relocated by **Eagle Creek Designs** from Ohio to Pennsylvania for use as a horse barn. *Write in No. 529* 





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**Grean Northern Barns** constructed this timber-frame barn in New Hampshire. *Write in No. 952* 



**Kronenberger & Sons** used rusticstyle cedar framing when renovating this structure in Connecticut. *Write in No. 536* 



The Southeastern Vermont Welcome Center features a 48x96-ft. timber frame constructed by **Vermont Timber Works**. *Write in No. 927*  traditional barn in Vermont using mortise-and-tenon joinery. Write in No. 1233



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For full contact information on these companies, consult the Sourcelist on p. 44.



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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.





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# Woodwork

For full contact information on these companies, consult the Sourcelist on p. 44.



**A-Art/B. Rasmussen** carved 32 beerrelated designs in white maple for the executive tasting room at the Anheuser-Busch Brewery in St. Louis, MO. *Write in No. 821* 



This hand-carved piece was custom made by **Michael A. Dow-Woodcarver**, who creates architectural and ornamental pieces in any style and wood species. *Call 207-363-7924 for more information*.



Architectural Components built the custom lunette, door frames, casing, chair rail and wainscoting to match the existing elements of this building. *Call* 413-367-9441 for more information.



Adams Stair Works & Carpentry designed and manufactured these stairs and railing. *Write in No. 610* 





**De Groot Historical Restoration** restored this white-oak carving for an exterior staircase leading to the bell tower at the Vanderbilt Museum in Centerport, NY. *Write in No. 1915* 







This elephant corbel was fabricated by **Superior Moulding**. Write in No. 138

This curved staircase was custom fabricated by **Sterling Staircase** to fit into a small space. *Write in No.* 547

These custom moldings were hand carved by **Agrell Architectural Carving**.

**Goodwin Associates** supplied the hand-carved rosettes and corbels for this domed ceiling. *Write In No. 806* 



**Goddard** fabricates custom spiral staircases in oak, pine and other wood species. *Write in No.* 4780



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This rosette was hand carved by Frederick Wilbur-Woodcarver. Write in No. 1650



Vintage Woodworks supplied Mary Elizabeth spandrels for this hotel lobby. Write in No. 1061



These balusters and stair-tread brackets are examples of the wide variety of architectural millwork fabricated in premium hardwoods by Cumberland Woodcraft. Write in No. 1310



WoodEpox from Abatron can be used to repair wood elements such as this column. Write in No. 1300



Khechoyan's Carvings & Tools hand carved these walnut corbels with a pineapple design.



This elaborate woodwork is representative of the many moldings that are hand carved by the artisans at White **River Hardwoods-**Woodworks. Write in No. 1099



These intricate wood panels were carved by Dimitrios Klitsas-Fine Wood Sculptor. Write in No. 7380



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# A New Old Website

Traditional-Building.com has a new look and an expanded array of information and services.

he website of Traditional Building magazine, which has served readers and web surfers faithfully for many years, has a new look and is offering greatly expanded information and services. Relaunched this month, the completely revamped site is at the same address, www.traditional-building.com, but the interface has been completely redesigned.

Visitors to the website will still find the product and service listings that have always been available, but a new design makes it easier and more convenient to access this information. The new website also offers many new services and a greatly expanded selection of information.

The Product Galleries, for example, offer a visual presentation of all of the photos and captions from the SourceLists in the most recent issue of the magazine. Another important addition is the availability of a greatly expanded selection of editorial material from the magazine. Many of the profiles, features, recent projects, book reviews and opinion pages now found only in the printed magazine will be available on the web. A reader discussion forum, "Talk," where visitors to the website can discuss topics, has also been added.



Traditional Building

THE MAGAZINE PALLADIO AWARDS PRODUCT SEARCH

In addition, everything that is posted will be archived and easily searchable.

"Until now the website has been a vertical search engine for traditional products and services," says Pete Miller, president of Restore Media. "While that is a big part of the magazine, it doesn't include all of the editorial material, such as architectural firm profiles, recent projects and book reviews. Now, for the first time, almost everything you find in the magazine will be on the website, and you will be able to search back issues. This will make the website fresher and more engaging. It is a valuable resource for the industry."

"The redesigned website is much closer to the magazine, although without the hard copy's scale and heft," says Traditional Building Editorial Director Michael Carey. "The magazine has developed over the last few years into the prime venue for showcasing traditional architectural work, from restorations to major new construction projects. We are very happy to be making this fine work known to as wide an audience as possible. While the site has traditionally been used as a product search engine, these new features, editorial, product-related and interactive, will offer our audience a far richer experience." тв

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Mark your calendars for March 12-15 and plan to be in Boston for the Traditional Building Exhibition and Conference at the Hynes Convention Center. The event will include more than 70 seminars, workshops and tours in a city that is rich in architectural tradition. In addition, approximately 150 exhibitors will feature their hard-to-find traditional products and services. The conference program runs for four days (March 12-15) and the exhibit hall for three days (March 13-15).

"The Traditional Building Exhibition and Conference is the only national trade show and conference for historic home owners, architects, designers, contractors and developers, planners, building owners and craftsmen involved in historic restoration, renovation and traditionally inspired new design and construction," says show director Eric Peterson.

"The show is an approved provider of continuingeducation credits for architects, interior designers, members of the American Institute of Building Design, the American Planning Association's Institute of Certified Planners, and for NAHB members who hold their Certified Graduate Remodeler, Certified Master Builder and Graduate Master Builder designations. We can help others document their work experiences for state licensure and employment needs, as well," adds conference director Judy Hayward.

Educational seminars and workshops will cover a wide array of topics and product segments, including window and sash repair, plaster repair, roofing, siding, ornamental ironwork and paint selection. Live demonstrations



in the exhibit hall will feature traditional-building techniques, how-to information and old-world craftsmanship.

"We have a special emphasis this year on the 'trowel trades," says Hayward. "Spend four days with us and you

will get a comprehensive learning experience on everything from terra cotta to concrete, lime mortar to tuck pointing for stonework, and plaster repair to salvaging stone. There are several programs that make the link between sustainable practices and historic preservation and contemporary traditional building. The sessions are designed to help professionals look for the green aspects of saving historic buildings and to help them make that case with clients. Window repair and replacement will be covered in five programs."

One of the highlights at the Spring 2008 Traditional Building Exhibition and Conference will be keynote speaker Joseph Riley, the mayor of Charleston, SC, who has been so instrumental in restoring this historic city. He will speak about the role of architecture in the community. The other keynote speaker will be Frank Shirley, architect and author of New Rooms for Old Houses.

It's also not too early to start thinking about the Fall 2008 show. It is scheduled for September 18-20 in Chicago. For more information on both shows, go to www.traditionalbuildingshow.com or call 866-566-7840.

# **Conference** Schedule

#### Wednesday, March 12, 2008

#### 8:30 a.m.-5:30 p.m.

G01 Sustainable Building Practices: The Original Green. 8 AIA HSW CEUs. Steven Mouzon, AIA, LEED, CNU, New Urban Guild, Miami, FL

#### 8:30-11:45 a.m.

W01 A Collaborative Approach to Decorative Painting: Boston's Trinity Church Lecture and Tour. Intermediate/Advanced; 3 AIA HSW CEUs. Participants will walk approximately 2 blocks to the church for a tour. John Canning, president, and Mark J. Weisman, AIA, vice president, John Canning & Co., Ltd., Cheshire, CT; Jean Carroon, AIA LEED, AP, Goody Clancy, Boston, MA; Carl Jay, director of historic preservation, Shawmut Design and Construction, Boston, MA; Gianfranco Pocobene, MAC, Gianfranco Pocobene Studio, Inc., Malden, MA

#### 9 a.m.-5 p.m.

W02 Repairing Wood Windows: A Master Class. Intermediate/Advanced; 6 AIA HSW CEUs. John Leeke, preservationist, John Leeke's Historic Home Works, Portland, ME; Duffy Hoffman, preservation consultant, Elkins, WV; Jim Turner, president, Turner Restoration, Detroit, MI

#### W03 Preservation in Practice: Behind the Scenes at Lowell NHP Tour.

Introductory/Intermediate; 4AIA HSW CEUs. Charles Parrott, architect, and Ted Davies, facility manager, National Park Service, Lowell, MA

#### 9-11 a.m.

#### 11:30-12:30 p.m.

T03 Secrets, Mysteries and Technical Aspects of Hardwood Floors. Intermediate; 1 AIA HSW CEU. Thomas D. Osborn and Frances G. Welson, Mosaic Hardwood Floors, Holyoke, MA

#### T04 Using Terra Cotta Ornament.

Introductory/Intermediate; 1 AIA HSW CEU. Jeff Roush, owner, Jeff Roush Ceramics, Weare, NH

#### 1:30-5:30 p.m.

#### W04 Design and Craftsmanship: The Charlestown Navy Yard Tour.

Introductory/Advanced; 3 AIA HSW CEUs. W. Lewis Barlow, FAIA and FAPT, senior historical architect, National Park Service, Charlestown Navy Yard, Charlestown, MA

#### 1:30-4:45 p.m.

#### W05 Tuck Pointing Stone Work.

Intermediate/Advanced; 3 AIA HSW CEUS. Frank Genello, professor of masonry, American College of the Building Arts, Charleston, SC

#### 1:30-2:30 p.m.

P02 ADA Requirements and Historic Buildings: Removing the Barriers (90 minutes). Intermediate; 1.5 AIA HSW CEUs. Kathy Gips, director of training, New England ADA Center, Boston, MA

#### P06 Good Neighbors: New Construction,

Preservation and Campus Expansion. Intermediate; 1 AIA HSW CEU. Mark Johnson, director of major capital projects and physical planning, Harvard Law School, Cambridge, MA; Enzo G. Scalora, principal, CSL Consulting, LLC, Cambridge, MA; Jonathan Austin, AIA, Austin Architects, LLC, Cambridge, MA; Terry Tolosko, SEA Consultants, Cambridge, MA; Chris Semlies, senior project manager, Shawmut Design and Construction, Boston, MA

#### Thursday, March 13, 2008

8-11:15 a.m.

W06 Understanding Lime Mortar. Introductory/Advanced; 3 AIA HSW CEUs. John Speweik, vice president, and Mario Machnicki, president, U.S. Heritage Group, Inc., Chicago, IL

W07 What is Wrong with My Stained Glass Windows? Introductory/Intermediate/Advanced; 3 AIA HSW CEUs. Arthur Femenella, president, Femenella & Associates, Inc., Annandale, NJ

W08 Paint Practices for Historic Structures. Introductory/Advanced; 3 AIA HSW CEUs. Duffy Hoffman, preservation consultant, Elkins, WV

**G02** Sustainable Building Practices: Case Studies of Durability, Sustainable Development and Agriculture on the Urban Edge. Intermediate; 3 AIA HSW CEUs. Marieanne Khoury-Vogt, Julie Sanford and Robert Orr, New Urban Guild, Miami, FL

#### 8:30-9:30 a.m.

S01 The Dollars and Cents of Repair vs. Replacement. Intermediate; 1 AIA HSW CEU. Troy Axe, president, Legacy Renovation Products & Services, Tacoma, WA

P14 New Canaan's Mid-Century Modern Houses. Intermediate; 1 AIA HSW CEU. Raymond Pepi, president, Building Conservation Associates, Inc., New York, NY

#### 10-11 a.m.

P05 The Palladio Awards: Commercial, Institutional and Public Winners (90 minutes). Introductory; 1.5 AIA CEUs. Michael Carey, editorial director, Clem Labine's Traditional Building and Clem Labine's Period Homes, Brooklyn, NY

T01 Caring for Historic Wood and Painted Finishes. Introductory; 2 AIA HSW CEUs. Ted Eayrs and Walter Eayrs, partners, Blackburn Restoration Services, LLC, Middelboro, MA

#### 10:15-11:15 a.m.

P01 Adaptive Reuse and Salvaging Rare Building Materials. Intermediate; 1 AIA HSW CEU. Tom Davies, AIA, director of design and construction, Amherst College, Amherst, MA; Mark Tassinari, senior project manager, Amherst College, Amherst, MA; David Bliss, Shepley Bulfinch Richardson and Abbott, Boston, MA; Randy Catlin, project executive, and Mike Kearns, project manager, Shawmut Design and Construction, Boston, MA

T02 Architectural Balustrades. Intermediate; 1 AIA HSW CEU. Danny Gonzales, national sales manager, Timeless Architectural Reproductions, Cummings, GA

#### 3-4:30 p.m.

P03 Technology in Transition: Problems with Late 19th/Early 20th Century Buildings. Intermediate; 1.5 AIA HSW CEUs. Michael S. Teller, AIA, principal, CBI Consulting, Inc., Boston, MA

#### 5-6 p.m. - Plenary Session

P04 The Historic American Buildings Survey 1933-2008: 75 Years of Preservation Through Documentation. Introductory; 1.5 AIA HSW CEUs. Mark Schara, AIA, Architect, National Park Service, Washington, DC

S03 What Replacement Windows Can't Replace. Intermediate; 1 AIA HSW CEU. Walter Sedovic, principal and CEO, and Jill Gotthelf, associate, Walter Sedovic Architects, Irvington, NY

T09 Specifying the Repair of Historic Timber (90 minutes). Intermediate; 1.5 AIA HSW CEUs. Ron Anthony, wood scientist, Fort Collins, CO

N01 Master Builder: Crafting a Responsible New Old House. Intermediate; 1 AIA CEU. Eric N. Kuchar, project architect, Connor Homes, Middlebury, VT

#### 12 noon-1:30 p.m.

N02 Substitute Materials: The Changing Face of Trim Products. Introductory: 1 AIA HSW CEU. Kristen Baer, territory sales manager, Azek Trimboards, Moosic, PA

**T07 The Color Doctor – Live in the Exhibit Hall.** Introductory/Advanced; 1 AIA HSW CEU. John Crosby Freeman, The Color Doctor, Norristown, PA.

#### 2:30-3:30 p.m.

#### R01 The Palladio Awards: Residential

Winners (90 minutes). Introductory; 1.5 AIA CEUs. Michael Carey, editorial director, *Clem Labine's Traditional Building* and *Clem Labine's Period Homes*, Brooklyn, NY

#### G03 Sustainable Building Practices: Deep

**Green.** Introductory/Advanced; 1 AIA HSW CEU. Steven Mouzon, AIA, LEED, CNU, New Urban Guild, Miami, FL

### S02 How Green was My Project? Historic Federal Buildings and LEED.

Introductory/Intermediate; 1AIA HSW CEU. Jean Carroon, AIA, LEED, principal, Goody Clancy, Boston, MA; Janine Kurth, AIA, GSA Region One historic preservation officer, Boston, MA

#### T18 Natural Stone - Preparing for

**Restoration.** Intermediate; 1 AIA HSW CEU. Laurie L. Wells, technical sales & marketing, Old World Stone, Ltd., Burlington, ON, Canada

**T06 Historic Surface Design and Decoration.** Intermediate; 1 AIA HSW CEU. Marylou Davis, owner, Marylou Davis, Inc., Woodstock, CT

#### **P09 The Underground Option: Low-Profile Additions to High-Rise Buildings.** Introductory; 1 AIA HSW CEU. Loretta Hall, writer, The Write Equation, Inc., Albuquerque, NM

#### 4-5 p.m.

P10 Managing Restoration While the Client's Work Continues. Intermediate; 1 AIA HSW CEU. Vance Hosford, Vance Hosford, AIA Architect, West Townsend, VT; Lisa Harrington, Building Conservation Associates, Inc., Dedham, MA; Julie L. Sloan, stained-glass consultant, North Adams, MA; Carl A. Jay, director of historic preservation, and Patricia Palmiere, project manager, Shawmut Design and Construction, Boston, MA

#### T08 The Lake Superior Sandstone

**Conundrum.** Intermediate; 1 AIA HSW CEU. Edward Gerns, consultant, Wiss, Janney, Elsner Associates, Chicago, IL

#### S04 Preservationists vs. The Planet: The Green Design Critique and the Preservation Response. Intermediate; 1 AIA HSW CEU.

Stephen Tilly, principal, and Elizabeth Martin, landscape designer, Stephen Tilly Architect, Dobbs Ferry, NY

P11 Ellis Island: Stabilizing and Restoring America's Immigrant Hospital. Intermediate; 1.5 AIA HSW CEUs. Mark Thaler, principal, Einhorn Yaffee Prescott Architecture & Engineering, Albany, NY

#### **P07 Government Center: Brutalist Planning in the Heart of Boston.** Introductory/Advanced; 1 AIA HSW CEU. Panelists from the New England Chapter of DOCOMOMO and the Boston Preservation Alliance

5:30-6:30 p.m. – Keynote Address **P12 Live, Work and Play: Architecture and Community.** Intermediate; 1 AIA HSW CEU. Mayor Joseph Riley, Charleston, SC

#### Friday, March 14, 2008

#### 8-11:15 a.m.

W09 New Urbanists & Preservationists: Walking & Working Together Tour. Introductory/Intermediate; 1.5 AIA HSW CEUs. Sarah Kelly, executive director, Boston Preservation Alliance, Boston, MA; Michael Behrendt, chief of planning, City of Rochester, Rochester, NH (Note: dress warmly with comfortable shoes or boots.)

#### 8:30-9:30 a.m.

#### P08 Ralph Adams Cram in Boston.

Introductory/Intermediate; 1 AIA HSW CEU. Ethan Anthony, AIA, president, HDB/Cram & Ferguson, Inc., Boston, MA (Recommended reading: *The Architecture of Ralph Adams Cram and His Office*, by Ethan Anthony, and "Higher Calling," by Kim A. O'Connell, *Clem Labine's Traditional Building*, December, 2007.)

**P13 How to Get Tax Credit Approval.** Introductory; 1.5 AIA HSW CEUs. John Sandor, architectural historian, National Park Service,

Washington, DC **T10 The Removal and Reinstallation of the Marmion Room.** Introductory/Advanced; 1 AIA HSW CEU. J. Michael Kelley, president, J.M. Kelley, Ltd., Niskayuna, NY

**T15 Stained Glass Restoration: Glazing and Framing Systems.** Introductory; 1.5 AIA HSW CEUs. Ronald Bovard, CEO, Ronald Bovard Studio, Inc. Fairfield, IA

#### 10-11 a.m.

P15 Maintaining a Preservation Library. Introductory; 1 AIA CEU. Clem Labine, founder of the Old House Journal, Clem Labine's Period Homes and Clem Labine's Traditional Building; Steven Schuyler, Ph.D., Steven Schuyler Bookseller, North Reading, MA; Richard Cheek, Architecture and Landscape Photography, Belmont, MA; Marl Kalin, FAIA, FCSI, LEED, Kalin Associates, Newton, MA

**R02 Restoring Your Old House: How to do it the Right Way.** Introductory/Intermediate; 1 AIA HSW CEU. Matthew David Cummings, president, Cummings Architects, LLC, Boston, MA; James Whidden, woodwright, Ashburnham, MA

### P16 Fixing the Worst First: Reviving Communities with Infill.

Introductory/Advanced; 1 AIA CEU. Sallie Hood and Ron Sakal, professors, School of Architecture, University of Notre Dame, South Bend, IN

#### P17 Working Successfully with Historical

**Commissions.** Introductory/Intermediate; 1 AIA HSW CEU. Elizabeth Randall, project manager, preservation consultant, Wrentham Historical Commission, Wrentham, MA; Bruce Irving, home renovation consultant, Cambridge, MA

#### 12 noon-1:30 p.m.

**P21 Preservation Roundtable.** Introductory; 1 AIA HSW CEU. Moderator: Rebecca Williams, field representative, National Trust for Historic Preservation, Boston, MA

#### 2:30-3:30 p.m.

**T11 Moldings, Millwork and Architectural Interiors 1725-1940.** Introductory; 1 AIA HSW CEU. Brent Hull, president, Hull Historical Millwork, Fort Worth, TX

P18 Profitable Preservation: Doing Well and Doing Good. Intermediate/Advanced; 1.5 AIA HSW CEUs. Wendy Nicholas, northeast regional director, National Trust for Historic Preservation, Boston, MA; Larry Curtis, managing partner, Winn Development, Boston, MA; H. LeBaron Preston, principal, Armory Revival Co., Providence, RI; Al Shehadi, acquisitions manager, National Trust Community Investment Corp., Greenwich, CT

**T12 The Painter and the Plasterer – Live in the Exhibit Hall.** Introductory/Advanced; 1 AIA HSW CEU. Rory Brennan, Preservation Plastering, Ltd., Brattleboro, VT; Duffy Hoffman, Preservation Consultant, Elkins, WV

#### R03 The Pantry in the American Home.

Introductory/Intermediate; 1 AIA HSW CEU. Catherine Seiberling Pond, architectural historian and writer, Hancock, NH NY; John Tschirch, architectural historian and director of academic programs, The Preservation Society of Newport County, Newport, RI

**T13 Replicating Textured Precast and Castin-Place Concrete.** Intermediate; 1 AIA HSW CEU. Ronald Staley, FAPT, vice president, The Christman Company, Inc., Lansing, MI

**R04 Preserving Historic Softwood and Hardwood Floors.** Introductory/Intermediate; 1 AIA HSW CEU. Ben Haavik, team leader, Property Care, Historic New England, Waltham, MA

**S06 Historic Industrial Landscapes: Design Concepts for Adaptive Reuse.** Intermediate; 1 HSW CEU. Henry Moss, AIA, LEED, principal, Bruner/Cott, Cambridge, MA

**T14 The Tradition and Techniques of Buon Fresco.** Introductory; 1 AIA HSW CEU. David Mayernik, president, David Mayernik, Ltd., South Bend, IN

P22 Conservators – What Do they Do and Why Do I Care? Intermediate; 1 AIA HSW CEU. Joan C. Berkowitz, director of conservation, Superstructures, New York, NY

N05 Making Additions and New Buildings Look Like They've Always Been There. (90 minutes). Introductory; 1.5 AIA HSW CEUs. Sandra Vitzthum, architect, Sandra Vitzthum Architect, LLC, Montpelier, VT

**P20 Preserving the Value of Historical Properties: Are Your Risks Covered?** Introductory; 1 AIA HSW CEU. Michael Roney, senior director, Commercial Property, Fireman's Fund Insurance Company, Novato, CA

#### 5:30-6:30 p.m. - Keynote Address

**N06 New Rooms for Old Houses.** Intermediate; 1 AIA HSW CEU. Frank Shirley, AIA, architect and author, Frank Shirley Architects, Cambridge, MA. Shirley will be available to sign his new book, *New Rooms for Old Houses*, published by Taunton Press in association with the National Trust for Historic Preservation, October 2007.

#### Saturday, March 15, 2008

#### 8-11:15 a.m.

W12 Historic Plaster Repair. Introductory/Advanced; 3 AIA HSW CEUs. Rory Brennan, Laurie Klenkel, principals, Big Wally's Adhesives, Inc., and Preservation Plastering, Ltd., Brattleboro, VT

#### 8:30-9:30 a.m.

#### **R05 Traditional Timber Framing for a Contemporary Sustainable Building.** Introductory/Intermediate; 1 AIA HSW CEU. Stewart Elliott, eastern regional manager, Riverbend Timber Framing, Blissfield, MI

**R06 Updating the Bungalow.** Introductory; 1 AIA HSW CEU. Treena Crochet, author of *Bungalow Style: Creating Classic Interiors for Your Arts* & Crafts Home, Wolfeboro, NH

#### 9:45-10:45 a.m.

R07 Who Put the History in the Historic Paint Color Palette? Introductory; 1 AIA HSW CEU. Sally Zimmerman, preservation specialist, Historic New England, Waltham, MA

#### 11:30 a.m.-1 p.m.

**S07 Window Repair: A Green Alternative – Live in the Exhibit Hall.** Introductory; 1 AIA HSW CEU. Jade Mortimer, Heartwood Building and Restoration, Hawley, MA; Dave Bowers, Olde Window Restorers, Weare, NH; Andy Roeper, Winn Mountain Restoration, Lyndeborough, NH; James M. "Pat" Patrick, Old Town Repair, Marblehead, MA; Alison Hardy, Window Woman of New England, Topsfield, MA

W10 Moisture Problems in Historic Masonry: Causes and Solutions Workshop. Intermediate; 3 AIA HSW CEUs. Mario Machnicki, president, U.S. Heritage Group, Chicago, IL

W11 Classical and Vernacular Traditions in New England Architecture. Introductory/ Advanced; 2 AIA HSW CEUs. John Tittmann, principal, Albert Righter & Tittmann Architects, Boston, MA; Donald Powers, principal, Donald Powers Architects, Providence, RI (Recommended reading: A Comprehensive Handbook to the Tradition of the Classical Style, by Robert Adam.) **S05 LEED and Preservation.** Intermediate; 1 AIA HSW CEU. Barbara Campagna, AIA, LEED AP, Graham Gund Architect of the National Trust and president of APT International, Washington, DC

**T05 Stone Detailing for Historic Preservation Projects.** Intermediate; 1 AIA HSW CEU. Ivan Myjer, principal, Building and Monument Conservation, Arlington, MA

**P19 Palladio's Influence in the Americas.** (90 minutes). Intermediate; 1.5 AIA HSW CEUs. Victor Deupi, Arthur Ross Director of Education, Institute for Classical Architecture & Classical America, New York, NY; Christine G.H. Franck, president, Christine G.H. Franck, Inc., New York,

2-4 p.m.

R08 Design Challenge. (2 hours). 2 AIA CEUs.

2-3 p.m.

**R09 Landscapes and Gardens for Historic Houses.** Introductory/Intermediate; 1 AIA HSW CEU. Lucinda A. Brockway, owner, Past Designs, Kennebunk, ME

T16 Traditional Porches: Modern Repairs.

Introductory/Intermediate; 1 AIA HSW CEU. Ray Tschoepe, director of conservation, Fairmount Park Historic Preservation Trust, Philadelphia, PA

#### BOOK REVIEW

## The Goth of Boston

#### The Architecture of Ralph Adams Cram and His Office by Ethan Anthony W.W. Norton & Company, New York, NY; 2007

256 pp.; 200 halftones; \$60 ISBN 978-0-393-73104-0

#### Reviewed by Eve M. Kahn

n the 1910s, as the architect Ralph Adams Cram (1863-1942) was reaching the midpoint of a busy 60-year career, he carved out time from his Boston practice to run the architecture department at the Massachusetts Institute of Technology. Cram, best known for designing Gothic churches and campuses, steered MIT students toward more picturesque architectural styles, and away from the then-dominant symmetries of Beaux Arts or then-rising taste for industrial forms and materials.

He gave classes in church design at MIT, and for one campus ribbon-cutting ceremony, "Cram staged a medieval festival with 1,700 participants costumed in Arthurian garb," architect/historian Ethan Anthony writes in *The Architecture of Ralph Adams Cram and His Office*, the first full-blown Cram monograph. During the MIT festival, Anthony adds, Cram brought in barges to ferry local mayors and the state's governor across the Charles River, and the architect played master of ceremonies "dressed as Merlin the Magician."

Cram doesn't seem to have ever liked the present much. He deemed it decadent and morally decayed. "Modern culture was a travesty to Cram," Anthony states bluntly. The history of civilization, Cram wrote, amounted to "a farrago of cruelty, slaughter and injustice," and he railed against the popular, insidious Nietzschean belief that the artist should play "rebel against a constituted society, an abnormal phenomenon, feeding upon his inner self." Yet somehow this pessimistic curmudgeon supervised up to 60 loyal staffers and inventively dreamed up hundreds of buildings across the U.S. and as far afield as Canada, France and Japan.

He completed courthouses, libraries, statehouses, offices, universities, boarding schools, bridges, apartment blocks, mansions, war memorials and churches ranging from one-room rural chapels to urban cathedrals. His stylistic repertoire included not only his signature Gothic but also Byzantine, Romanesque, Norman, Tudor, Renaissance, Baroque, Shingle and Georgian.

Why has there been no major publication about him before? Partly because only a few of his masterpieces (including New York's Cathedral of St. John the Divine and Houston's Rice University) are intact and photogenic enough to tempt book publishers. The sheer variety of his output has also discouraged scholars from covering Cram, and his work is not terribly well documented, either. "The firm records are incomplete and all but one of the firm's job books are lost," notes Anthony, who is fortunately well situated enough to overcome the lack of paperwork. The author works for Cram's successor firm, now called HDB/Cram & Ferguson.

Anthony took a job at the Boston practice in 1991; octogenarians and nonagenarians dating back to the Cram years were still on staff. Anthony has interviewed them and many others in Cram's circle and pored through widely scattered archives. In the preface he mentions such rarefied, remote sources as "ruins, memories, doctoral theses, church bulletins ... rectors, deacons, presbyters and members of Cram's churches" plus the dusty piled remains of Cram's own library "in his daughter's sugar house in Vermont."





In 1912, a Presbyterian congregation in Chicago asked Cram for a Gothic compound with vaulted, beam-ribbed ceilings and dark medieval paneling and pews. Photo: HDB/Cram & Ferguson Archive

Emerging from Anthony's determined research is a portrait of a workaholic with very few lukewarm opinions. Cram, the New Hampshire-born son of a cultured Unitarian minister turned farmer, grew up speaking French and German on the farm. By the time he apprenticed pro bono as a teenager to the Boston architecture firm of Rotch & Tilden, he had read the likes of "Emerson, Kant, Hegel, Spinoza, Matthew Arnold and John Ruskin," Anthony writes. In the late 1880s, shortly after founding his own firm, Cram became a devout Episcopalian. Religious buildings – as well as secular buildings that just look religious – could allow him "a means of resuscitating the moral foundations of society," Anthony notes. Cram's lofty goals won over clients ranging from insurance executives to the U.S. military – the architect's Gothic spires at West Point helped, as Anthony puts it, "to promote the medieval code of chivalry as a model of behavior for the American army."

Yet for all of Cram's "architectural language of ramparts, crenellations, and sally port," Anthony hastens to add, the architect never quite slavishly copied the past. In fact, he disdained that approach as trite and "conscientiously archaeological"; Cram instead set out to prove "that the spirit of medieval buildings could be evoked in original designs and that old forms could be recombined to suit contemporary purposes."

Cram had no qualms about adopting cloister forms into auto courts and he happily, though invisibly, specified his era's high tech. At a crenellated 1898 church in New Hampshire, he created a column-free lecture hall "with wrought-iron tension rods supporting the roof carefully concealed in faux wooden trusses." The office kept high tech out of sight even after the founder's death. Anthony writes that in the mid-1940s, the partners' Boston skyscraper for the John Hancock Life Insurance Company "mixes Art Deco with Mont-Saint-Michel."

Anthony devotes just 30 pages to Cram's biography and office history. The rest of the book contains some 130 mini-profiles – and I mean mini, some are as short as a caption – of built works and proposals. The designs appear chronologically in

Based on a ca. 1170 Romanesque precedent in Oxfordshire, England, this 1919 funerary chapel serves a cemetery on the Massachusetts seacoast. Photo: HDB/Cram & Ferguson Archive

three categories (religious, academic and residential, institutional and commercial). A project list at the back names some 300 more Cram works, and usually, but not always, notes whether the realized examples survive.

The illustrations do not provide many more clues as to the fates of Cram buildings. The black-and-white images are mostly period façade drawings, rather grainily reproduced, or undated photos. Virtually no close-up shots appear, and it's particularly frustrating that there are no hints of the hues of the pervasive stained glass.

The author somewhat makes up for the visual lapses with lively aesthetic critiques. He points out which church massing has "power and dynamism," and which amounted to "an unsuccessful experiment with relative proportions." He chides owners who never raised enough funding to finish steeples, or commissioned "clumsy renovations and additions." Anthony shrewdly compares designs, too; he even knows where to find "Cram's only Roman interior" (in Jersey City, NJ) and "the only fan vaulting Cram ever employed" (in Newport, RI). The vivid, authoritative text may well make readers long for another edition stocked with recent color photography, showing palettes of sunrays spilling onto stone floors through arched windowpanes. **TB** 

#### BOOK REVIEW

# Women's Work

Candid Reflections: Letters from Women in Architecture 1972 & 2004 by Doris Cole

Midmarch Arts Press, New York; 2007 184 pp; softcover; 47 b&w illustrations; \$24 ISBN 978-1-877675-63-8

#### Reviewed by Nicole V. Gagné

athryn H. Anthony, current professor at the University of Illinois at Urbana-Champaign School of Architecture, has asked, "If our buildings, spaces, and places continue to be designed by a relatively homogeneous group of people, what message does that send about our culture?" The obvious answer is, a deluded and self-defeating message.

In an effort to provide a more enlightened and constructive message, architect and writer Doris Cole has published *Candid Reflections: Letters from Women in Architecture 1972 & 2004*, in which she surveys the experiences and insights of female architects. In 1972 and again in 2004, Cole sent query letters to scores of women in her profession; their responses are truly fascinating and eye-opening, as regards not just architecture and feminism, but also the maturation of our society.

Although inevitable, change doesn't come easily, and this book offers some disturbing accounts of the fierce resistance to progress. A respondent from 1972 notes, "Professionally, the only real discrimination I have experienced has been in the local AIA structure where I am one of the few of my peer group who has never been asked to hold an office, head a commission, or serve as a chapter officer." A 2004 respondent sees too much of the same: "The undergraduate architectural program at Rice is 60% women, and at the University of Houston, 55%. But it's downhill from there. Looking at our AIA Houston Chapter membership figures, the percentage of women under the age of 30 is only 30%. And in the 30-to-40 age bracket this percentage drops down to 20%. Want more bad news? Over age 50 it drops to less than 1%." Yet she also notes that the "recently elected AIA National President-Elect is female – Kate Schwennsen, FAIA, from Iowa. And hopefully, the trend to hold our national convention on Mother's Day is a thing of the past."

Cole's book reveals how deeply ingrained misogyny is and how early the negative conditioning begins: "I took a developmental test in 7th grade [in the mid 1960s] and the results came back high in mathematics and spatial reasoning, [but] the response was, 'Boys who score high in these areas should become architects, girls should become dress designers." Such attitudes take their toll not just socially, but also psychologically, and several architects remark that the biggest hurdle they faced was their own damaged self-image: "The discrimination was in myself. Something has been wrong for years, and much of it has been a lack of faith in my own capabilities," confesses one. "Over half the battle of women doing anything is their own self-esteem. If one feels qualified and even better than the next man or woman, many problems are wiped out," remarks another.

Only women with a genuine sense of their own ability and intelligence could have withstood the obstacles they encountered over the decades. One architect recalls her job interview at Skidmore, Owings & Merrill's New York office in the early 1940s, when she was told, "We don't hire women.' I was so taken aback that I blurted, 'Oh, I thought yours was a firm of *modern* architects.' It was their turn to be taken aback, and I was granted an interview. All the top brass of the office turned out to see this brash female. They were very interested and pleasant with me, and they told me they were 'impressed ... but we don't hire women!'"

Sure, those were the bad old days. But this incident from the 1970s is even more distasteful: "At Christmas time, it was tradition for all the ladies to go up and sit on the owner's lap to get their present, a box of nylons (not pantyhose). [...] Not only would I not go, but I demanded the same cash bonus that the men got. [...] No one had ever challenged them this way," recalls another respondent. "Three months later, I got the bonus."

Sexual-harassment litigation has significantly inhibited such offenses in today's offices. What remains troublesome for many women architects, however, is



The East Boston High School addition and renovation, completed in 2001 in East Boston, MA, was designed by Doris Cole, president of Cole and Goyette, Architects and Planners, Inc., of Cambridge, MA, and the author of *Candid Reflections*. She was honored by awards from the Boston Preservation Alliance and the Massachusetts Historical Commission for her work on this 1926 structure, which entailed everything from interior and exterior rehabilitation to new engineering systems, seismic upgrades and accessibility improvements, as well as constructing a new gymnasium, school kitchen and faculty dining area.

appearing on site. Some respondents admit that they stay in the office rather than face the hooting and catcalls of sexist workmen. Of course that behavior is partly the crew's resistance to any white-collar authority, as one architect points out: "I'm not sure, however, that men did not encounter the same (or similar) 'having to prove' phenomenon."

Still, very few male architects get comments about their legs. The solution, of course, is the classic methodology of any discriminated group, namely doing your job better than anyone from the "in crowd": "A very petite woman [...] asked, 'How do you gain respect on a construction site when, unlike many of my male peers, I have never lifted a hammer?' 'Easy,' was my response, 'You just need to be the smartest and most prepared person in the room.'"

Cole's book is replete with examples of women architects surpassing their male counterparts. One special aptitude is the willingness, as with women drivers, to ask for directions: "Several men before me had been given the task of designing the new neonatal center. None of them had thought to ask the nurses what would make it better, and design after design was shot down. In desperation, they gave it to me. I had the firm send me to the NeoNatal Convention in Georgia and then spent time talking to the nurses and the parents of the patients. As a result I designed an innovative unit that was replicated around the country."

Another edge is life experience. Some respondents bristle at the stereotype of women architects as designers of homes rather than high-rises or commercial spaces, and proudly cite their achievements in the latter fields; others, however, are glad to create domestic spaces. "Who better than the cook to design the kitchen? Who better than the mother and the housekeeper to design the shelter for her children?" asks one respondent.

Her conclusions are also of vital importance for improving the entire spectrum of our built environment: "My opinion of American architecture today generally is that it has failed – failed in its responsibilities to our cities and to our environment – and that in its contemporary design it lacks quality and human relevance. Perhaps what the art and the profession could use is the humanizing effect of the feminine touch." TB



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## I , N , T , B , A , U PATRON: HIS ROYAL HIGHNESS THE PRINCE OF WALES



# The Schlock of the New

#### Architecture of the Absurd: How "Genius" Disfigured a Practical Art by John Silber

The Quantuck Lane Press, New York, NY; 2007 97 pp.; hardcover; 103 color illus., \$27.50 ISBN 978-1-593-72027-8

Reviewed by Eve M. Kahn

hile applying to college in the late 1970s, I was often told that Boston University's initials stand for "Big" and "Ugly." The campus' concrete and brick towers around treeless plazas broil in summer, and they don't much fend off New England winter winds along the Charles River either. So the university's 81-year-old former head, John Silber (he served as either president or chancellor at B.U. from 1971 to 2003), makes a well-informed source of complaints about Modernism.

He also knows his subject because his father, Paul George Silber (1881-1957), was an architect. Paul Silber, a Jew from Berlin, emigrated to the U.S. in 1902 to work on a German pavilion modeled after Charlottenburg for the St. Louis World's Fair. Paul married an American schoolteacher, Jewell Joslin, and settled in a Texas town named, oddly enough, Palestine. The couple raised their family (without revealing Paul's Jewish heritage until after his death) in San Antonio. John Silber helped out at his father's modest practice – measuring existing buildings, drafting plans and elevations – before training as a philosophy professor and university administrator. At B.U., he drew on his architectural experiences while commissioning exactly 13,729,143 sq.ft. of new construction.

He mainly hired inoffensively Modernist, low-key, multi-office firms (including The Stubbins Associates and Cannon Design). During meetings, he recalls, "Some architects were initially bothered by my ability to read plans and specifications, and were occasionally put off when I dismissed their elaborate, high-flown aesthetic justifications of design features as gratuitous bloviation.[...]I have never been impressed by architects who think they are fine artists first and builders only second." Silber is in fact renowned - not only around Massachusetts but also nationwide, since he ran for governor in 1990 - for his bluntly expressed resistance to nonsense. "Crusader on the Charles," the New York Times dubbed him, since he'd jump into battle with entrenched B.U. faculty and tirade against hedonism and relativism. So I had high hopes for this book, his latest form of target practice - aimed at architects. The text grew out of a speech he gave to a Texas Society of Architects convention in 2003. It opens promisingly with reminiscences of 1950s academic culture he encountered at the University of Texas. He would argue amicably with colleagues there, including the renowned architectural theorists Colin Rowe and Robert Slutzky, about whether architecture could ever become as impractical and useless as, say, conceptual art or Dadaist poetry. Slutzky proposed that Gaudí's undulations and spirals, for instance, qualify as absurd, but Silber countered that all Gaudi's works are actually "functional, harmonious, and offer no offense to their neighbors."

mind would pay for the design and construction of an absurdity[...]No architect would consider an absurd building as the fulfillment of his professional responsibilities," he believed at the time. But he now wonders, he writes, "How could I have been so wrong?"

For most of the rest of this volume he reels off savage, amusing critiques of putatively heroic recent buildings. He especially detests Le Corbusier's urban renewal plans ("cruelly absurd, abusive, and debasing dictatorship"); Daniel Libeskind's slashes and zigzags ("similar to runways in a typical small airport[...]a trick he justified after the fact with fanciful pronouncements"); Steven Holl's Swiss-cheese holes ("No ophthalmologist would recommend staring into such a wall"); and Frank Gehry's metal lumps, which are now causing high-profile litigation ("shockingly large for no obvious purpose unless to prostrate all visitors before the gigantic ego of the architect").

Who is to blame for the success of these repeat offenders, producing uncomfortable, taxpayer-subsidized works that routinely leak and run hundreds of millions of dollars over budget? Clients who "allow themselves, through vanity, gullibility, or timidity, to be seduced." Clients who lack "the courage to just say no."

Phew, someone finally said it. Or, rather, said it again; you've likely read similar rants about the emperor's lack of clothing from Tom Wolfe, Classical architect Steven Semes, and prolific, witty journalist/blogger Francis Morrone. But unlike Wolfe, Semes and Morrone, Silber doesn't really offer any workable alternative to "starchitecture." He offhandedly mentions a few kinds of structures he does like, including Mies van der Rohe's Barcelona Pavilion and Seagram Building ("stunning masterpieces"), Santiago Calatrava's lacework, and Jørn Utzon's Sydney Opera House. Silber, of course, approves of his own B.U. additions, including a 1983 roof that the Boston firm Rothman Partners Architects planted over a disastrously leaky patio at Josep Lluís Sert's 1960s student union.

This slim, ultimately unsatisfying book would have made better use of trees if the publisher had attached the text to more substantive essays, perhaps by Morrone, Wolfe and Semes along with John Massengale, Andrés Duany and James Howard Kunstler. Silber's salvo could be updated with news of ever more structural problems and dys-function at Deconstructivist buildings, and serve as an opener to a full-blown manifesto about more durable and commodious forms of architecture and urbanism. **m** 

Moreover, Silber predicted then, architecture would never sink to contemporary sculpture or music's depths of elitist incomprehensibility. "No client of sound



As head of Boston University from 1971 to 2003, Silber attempted to undo damage done to the campus by Josep Lluís Sert's bleak 1960s concrete buildings.

# Student Drawing Awards

Kent State takes top honors in the 2007 Charles E. Peterson competition.

#### By Martha McDonald

or the second year in a row, students from Kent State University took first place in the Charles E. Peterson competition. Presented by the Historic American Buildings Survey (HABS) of the National Park Service in cooperation with the Athenaeum of Philadelphia and the American Institute of Architects, the student competition is in its 25th year. The first awards were presented in 1983, the 50th anniversary of the founding of the HABS program.

The competition honors Charles E. Peterson, a National Park Service landscape architect who launched the HABS program in 1933. It employs architects, draftsmen and photographers to systematically inventory and document the nation's historic buildings. To date, more than 37,000 structures and sites have been recorded.

The Charles E. Peterson Prize student competition for measured drawings augments the HABS collection. More than 2,000 students from 68 colleges and universities have completed approximately 500 entries, to provide almost 5,000 measured drawings.

Eighteen students from Kent State, working with Elizabeth Corbin Murphy, FAIA, submitted measured drawings of the Wilford and Olive Arms Residence, a 1905 American-style Arts and Crafts home in Youngstown, OH. Designed to contrast with industrial Youngstown, the home features random rubble-style masonry on the exterior. The interior fireplaces, door handles and decorative patterns of wood, iron and glass were also designed to the owner's taste and ideas about the Arts and Crafts style.

Students working on the project included Ross Andrysco, Jeremy Artzner, Brian Boggs, Nicholas Bandac, Scott Clifford, Danelle Durig, Bryan Eaton, Patrick Fox, Lauren Frey, Jessie Hawkins, Daniel Judy, Mindy Kalac, Michael Kessel, Christopher Loeser, Alexander Matsov, Eric Phillips, Michael Sanbury and Nathaniel Winfield.

The group received a cash prize of \$2,500 and a certificate. Kent State also took first place in 1996, 2000, 2004 and 2006. Five-time first-prize winner (and also winner of several second-place prizes and honorable mentions) Elizabeth Corbin Murphy, FAIA, of Kent State and principal of Chambers, Murphy & Burge Preservation Architects of Akron, OH, says the program is invaluable to the students. "It really changes their attitudes," she says. "They don't all become preservationists, but they get a broader look at the profession. One of the wonderful things about this process is that it helps students understand how a building gets put together. They see that because they crawl all over it."

"It's thrilling for the students," adds Murphy. "At the awards ceremony, they get to shake hands with the Catherine Lavoie [Chief, Historic American Buildings Survey]. You can see that they are excited about it."



Students from Clemson University/College of Charleston won second place with their drawings of the 1740 Othniel Beale House in Charleston, SC.



Measured drawings of the W. Arms House in Youngstown, OH, done by students at Kent State University, won first prize in the 2007 Charles E. Peterson competition. The project was directed by Elizabeth Corbin Murphy, FAIA. Known as Greystone, the Arts and Crafts residence was completed in 1905. All drawings: courtesy of Historic American Buildings Survey



These drawings show some of the detail found throughout the W. Arms House. Olive Arms said of her home: "A house must be conceived by those who live in it, modeled according to their taste, their refinement and their conception of the useful and beautiful."

Murphy notes that the first time that the winning drawings were done in CAD was in 1996, the first year that Kent State won first prize. "Now they are almost all done in CAD," she says. "Some are hand drawn, because CAD still doesn't do every-thing to tell the story of what's in your head and in your hand. CAD doesn't think, the talent comes from the students who look at the buildings."

Second place (\$2,000) went to Clemson University/College of Charleston for the 1740 Othniel Beale House. Part of the "Rainbow Row" of homes in Charleston, SC, it was the first to be rescued from dilapidation in the 1930s.

The project managers were Katie Lawrance, Hillary King and Kimberly Jones. Students working on this project included Jamie DeStefano, Sandi Feaster, Natalie Ford, Jason Grismore, Will Hamilton, Kim Jones, Kate Joseph, Hilary King, Katie Lawrence, Helen Moore, Kim Norton, Xana Peltola, Julius Richardson, Meg Richardson, Caroline Ross and Jamie Zwolak.

Third place (\$1,500) in the 2007 competition was awarded to Alan Jones, Christopher Ortiz, Juan Rueda and Nimisha Thakur of the University of Texas at San Antonio for drawings of the 1889 Magazine Building, also known as Building 2157, at Fort Sam Houston in San Antonio, TX.

The fourth-place (\$1,000) winner was Texas Tech University for drawings of the JA Ranch headquarters in the Texas panhandle. Students participating in this project were Troy Ainsworth, Tammy Cooper, Tahir Demiecioglu, Omar Garcia, Guy Giersch, Matt Jasper, Shana Kelso, Gary Lindsey, Eugenia Magann, Jose Pareja-Diaz, Valerie Sewell, Angela Steffensmeier and Elizabeth Vasquez.

Honorable mention awards were given to the School of the Art Institute of Chicago for drawings of the First Congregational Church of Western Springs, IL, and to Louisiana Tech University for drawings of the G.B. Cooley House in Monroe, LA. **TB** 



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#### THE FORUM

## Palladio's Legacy

#### By Victor Deupi

A RECENT GATHERING OF A GROUP OF INSTITUTE OF CLASSICAL ARCHITECTURE & CLASSICAL America (ICA&CA) staff, faculty and friends at Palladio's breathtaking Villa Cornaro in Piombino Dese, Italy, brought to mind the question of the Renaissance architect's relevance to contemporary practice.

Hosted by the gracious owners of the villa, Sally and Carl Gable, the ICA&CA group was given free reign to draw, paint and discuss the building for four days in early October of 2007. Of course, the overwhelming opinion was that Palladio's legacy remains central to contemporary Classicism and that his influence is as much alive today as it was when he built the villa in the 1550s and subsequently published it in his much celebrated *Quattro libri dell'architettura* of 1570. marsh), known more expressively as *La Serenissima*, or the tranquil one. Here though, Palladio's much renowned private villas and palaces are of little interest. Even his major public commissions, S. Giorgio Maggiore, S. Francesco della Vigna, and Il Redentore – brilliant solutions to the traditional Latin cross basilica plan and two-tiered pedimented façade – represent only a small fraction of what he had hoped to accomplish as the city's *Proto*, or state architect, an office that re-

The state of the s

The group was perhaps less impressed by the magnificence of the villa than by the many gems we had not anticipated prior to our arrival. No one expected the cavernous cellars, labyrinthine stairwells, mysterious fresco cycles, dramatic timber-trussed grain storage in the attic, delicately glazed ceramic chimney tiles, proto-Georgian inlaid parquetry in the dining room and stunning views of the snow-capped Dolomites from the second-story north loggia. Yes, Palladio surprised us again categorically, even though we all thought we knew him well



Villa Cornaro, Piombino Dese, Italy; Victor Deupi, pencil and sepia, 2007.

enough to wax poetically about him at the dinner table.

No amount of study, intellectual or otherwise, can prepare one for the onslaught of *all'antica* grandeur that the Villa Cornaro possesses. Its scale is simply phenomenal despite the relatively small size and the "dumb" plan to which it adheres. The word "dumb" was used by several participants to describe the matter of fact, straightforward square plan that defines the main block and the arrangement of rooms around the south-facing tetra-style (four-columned) atrium that serves as the villa's centerpiece. "I could design that in my sleep," said one of the more experienced participants, who had designed some hundred residences throughout the country. Yet it was not the clarity of organization as much as the grandeur of scale at every level that struck us all as particularly relevant. "Why don't we build this well today" was an often repeated phrase among the group. Indeed, the villa surpassed all of our easy classifications – both in the positive and negative.

A free Sunday afternoon provided ample opportunity for the group to explore such nearby treasures as Venice, Padova, Castel-franco Veneto and, of course, other Palladian villas. I strong-armed a small unsuspecting group to visit Alvise Cornaro's home in Padova that contained the first *all'antica* buildings in the Veneto, the Loggia and Odeon Cornaro by Giovanni Maria Falconetto from 1524 on-ward. It was here that Alvise Cornaro housed his humanist academy, where the young Palladio was exposed to cutting-edge ideas on Classical music, literature and *benessere* (well-being). Not surprisingly, architecture occupied a privileged position in Cornaro's thought, and his *Trattato di architettura* (ca. 1550–1553) aimed at addressing the

mained firmly occupied by the great Jacopo Sansovino from the late 1530s to the 1560s. And though never succeeding Sansovino, Palladio's partially built and unbuilt interventions in the city's fabric included remarkable designs for ephemeral structures, civic pageantry, infill housing, renovations and repairs to existing buildings – an anthology of work that is rarely recognized, yet virtuous to the core.

In fact, when one considers the full repertoire of Palladio's public works, not just in Venice, but his designs for meeting halls, bridges, theaters, gates and por-

tals, as well as machinery (Palladio proposed an apparatus for "raising water from low-lying places," inspired largely by Cornaro's *Treatise on Water* of 1556, whose aim was to resolve the technical difficulties associated with irrigation and land yield), one discovers a breadth of vision and talent that far exceeds his reputation as the world's most influential high-end residential architect. It is perhaps this least recognized aspect of Palladio's career – the role of gifted civic activist – that is most relevant to contemporary practice. For it was in Venice that Palladio received his greatest designation as *Architectus Illustrissimi Dominii Veneti* (Architect of the Most Illustrious Dominion of the Venetians), a title suggesting that Andrea di Pietro dalla Gondola (Palladio) was considered the architect of something far more important than he was, namely that of one of the greatest Renaissance cities that Europe has produced.

Putting aside for a moment that 2008 will be feted around the globe as the "Year of Palladio," I feel it is still necessary to ask, "Why all the fuss, can't there be other important architectural characters that we can look up to with the same if not greater reverence than Palladio?" Shouldn't we seek to promote as many exemplars as possible? Shouldn't 2010, for instance, be the year of Philibert Delorme? Or consider non-Western alternatives such as Sinan (1489–1588), the Classical Ottoman architect who was a direct contemporary of Palladio and whose prolific body of work far exceeds that of most distinguished Renaissance architects. Certainly in the Islamic world his reputation is on par with that of Palladio.

However, I still can't seem to get Palladio off my mind, and I don't particularly care, because for better or worse, he will be a part of us for his quincentennial year in 2008 and for most of 2009 when the celebrations of his birth continue to linger like a pleasant hangover induced by a certain Venetian elixir. I have also tried to show that there is still a great deal to be learned from Palladio and that the most relevant aspects of his career are perhaps the least interesting and remarkable from the point of view of contemporary architectural fashion. Wouldn't it be a delightful paradox if for the next 500 years Palladio was remembered less as the architect of sumptuous villas and palaces and more for his remarkable contribution to the profession, commitment to his family (five children) and devotion to a spouse named *Allegradonna* (content woman). That would truly be an extraordinary legacy. **TB** 

domestic buildings of the average citizen rather than the aristocrat, for he believed that architecture's main function was to afford infinite pleasure, comfort and well-being. Cornaro maintained several gardens and villas too, where he could pursue various activities associated with a healthy life. And it was there that Cornaro largely wrote what is perhaps his most influential and inspired work, the *Discorsi intorno alla vita sobria* (1558), a eulogy of moderation and leisure that proclaimed the joys of health and longevity.

A few weeks later, I found myself back in one of the most satisfying urban contexts in North America – New Orleans, for the Traditional Building Exhibition and Conference – whose Vieux Carré was forever shaped by the Spanish occupation of 1762-1803 into what is known today as the "Big Easy." This is a term Palladio would have most likely endorsed not just for the Mississippi riverside citadel, but also for his preferred city, Venice (also located in a swampy

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