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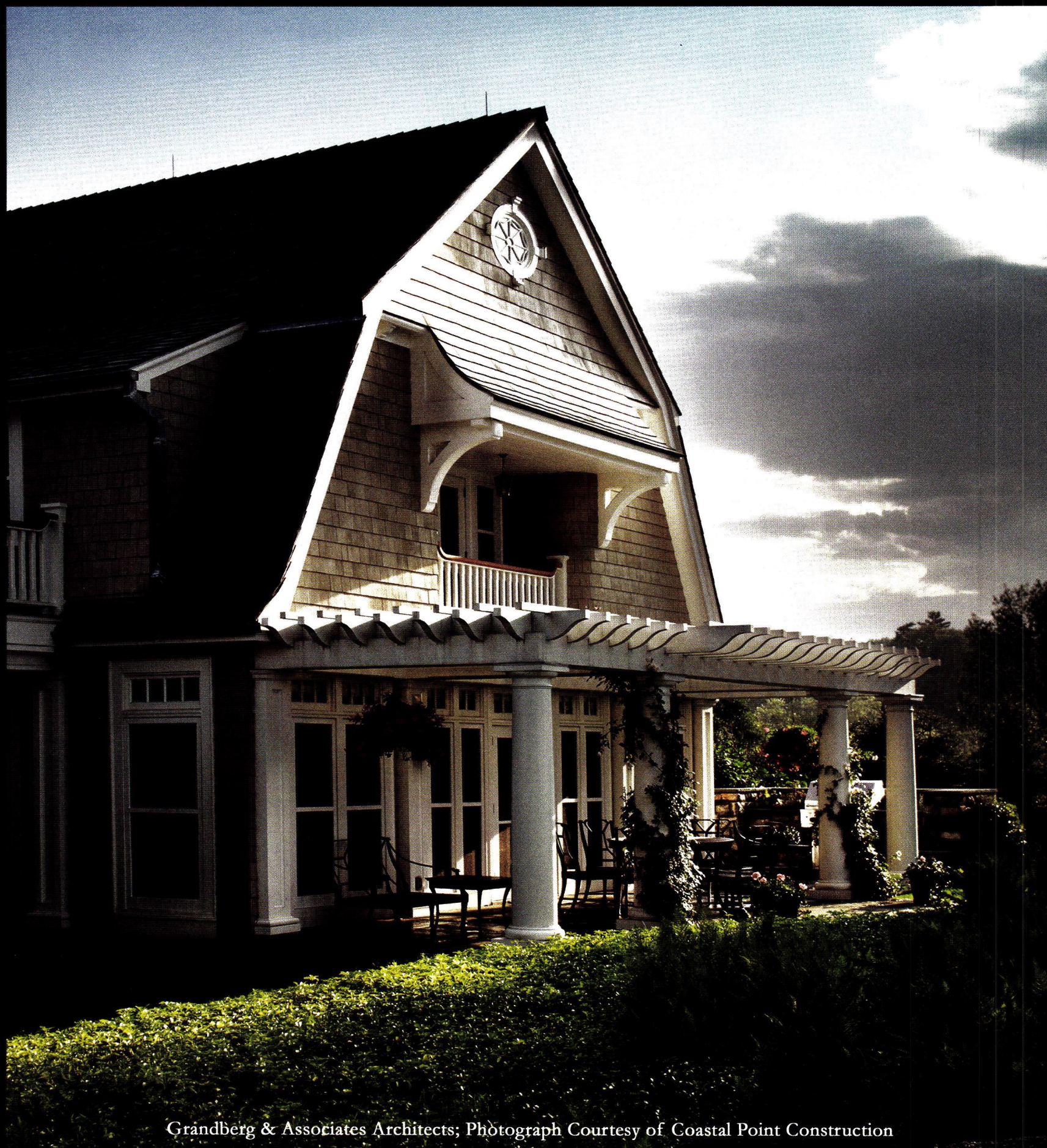
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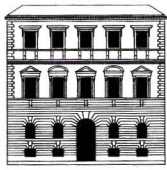
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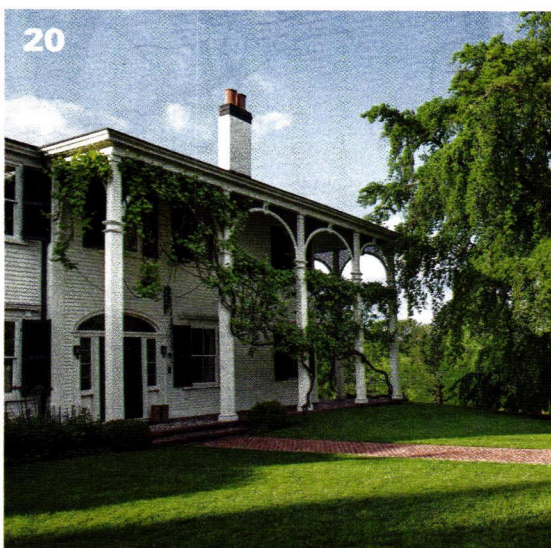
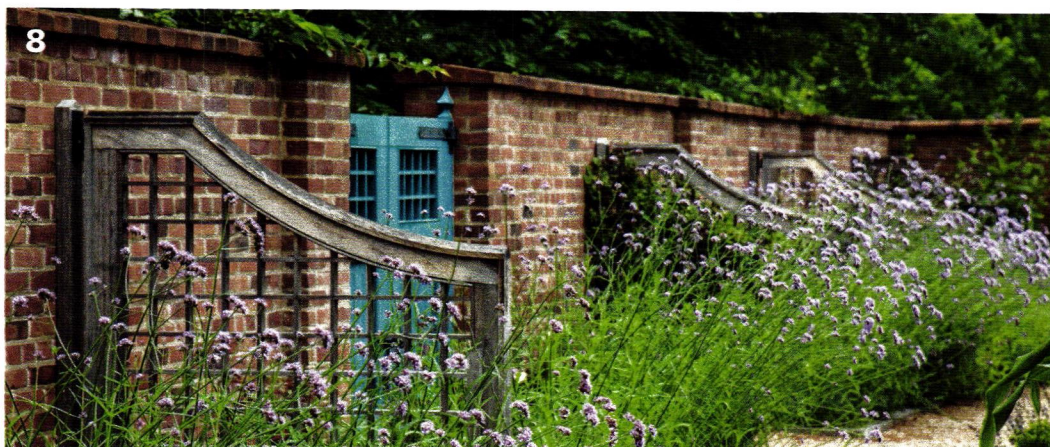
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Photo by Eric Piasecki



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5720 Flatiron Parkway, Boulder, CO 80301

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PERIOD HOMES (ISSN # 1531-2100) is published bi-monthly by the Home Group of Active Interest Media, 5720 Flatiron Parkway, Boulder, CO 80301; 800-826-3893

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

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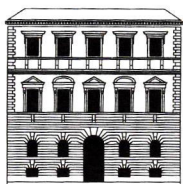


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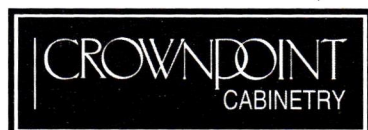
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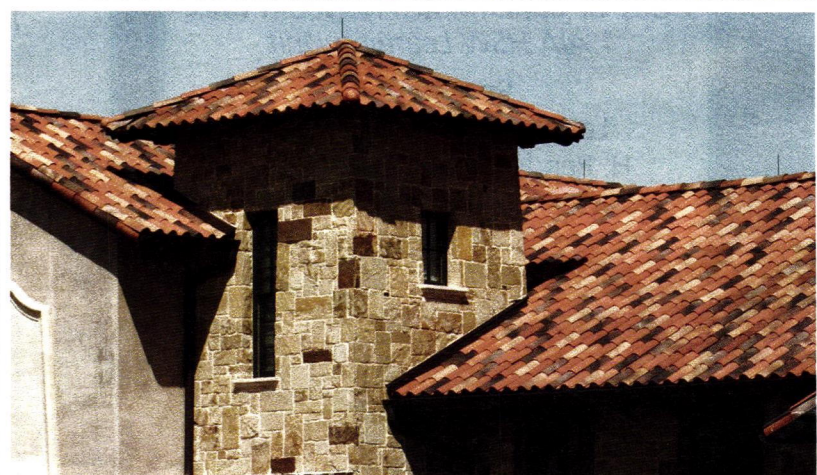
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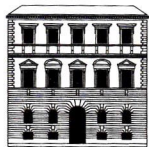
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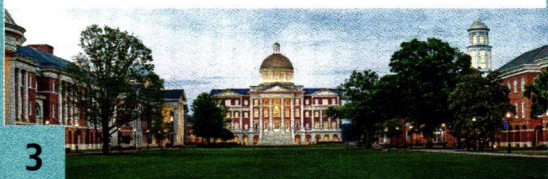
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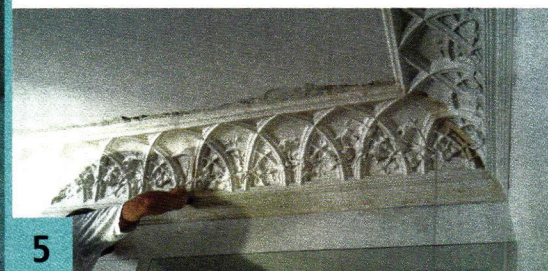
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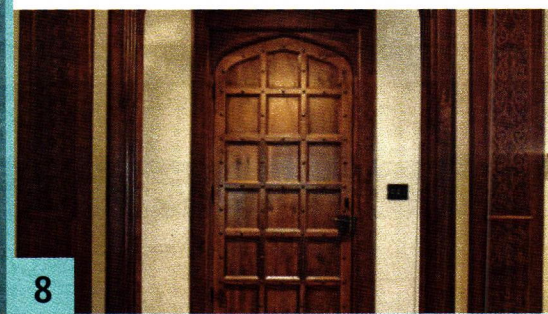


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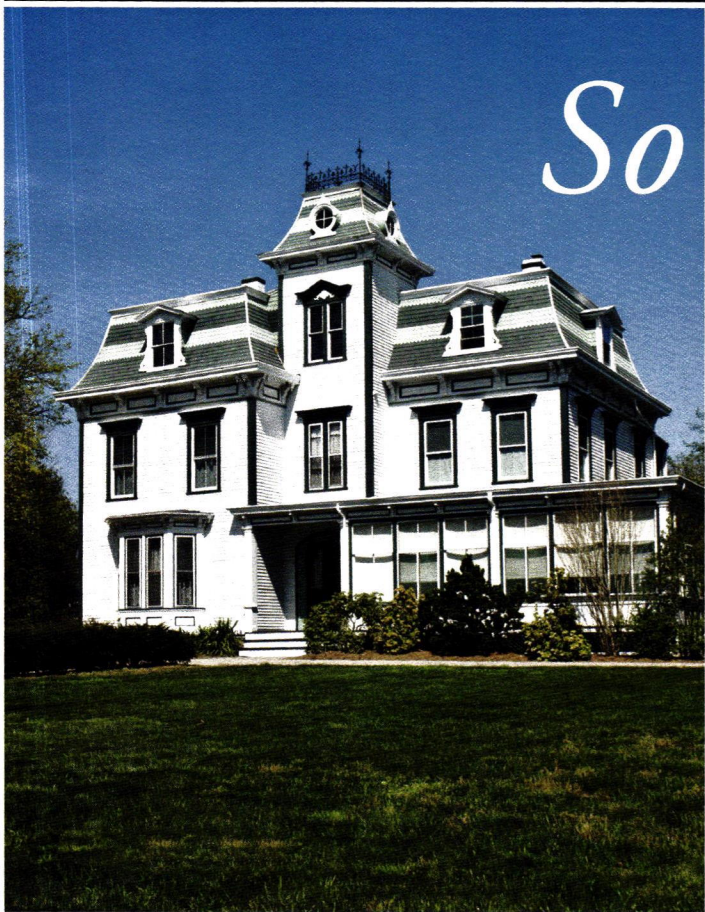
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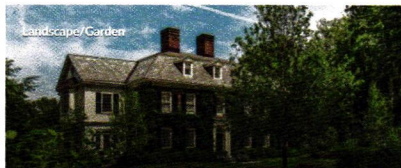
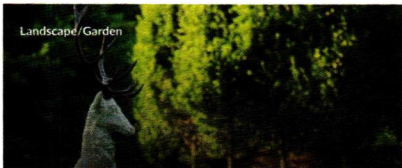
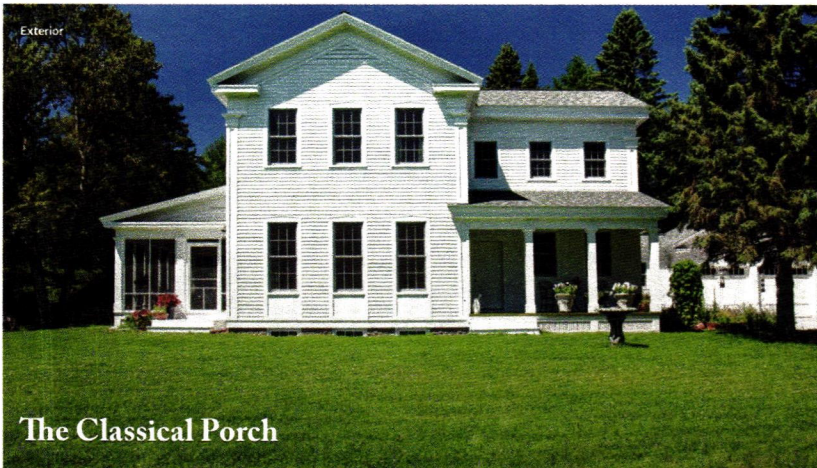


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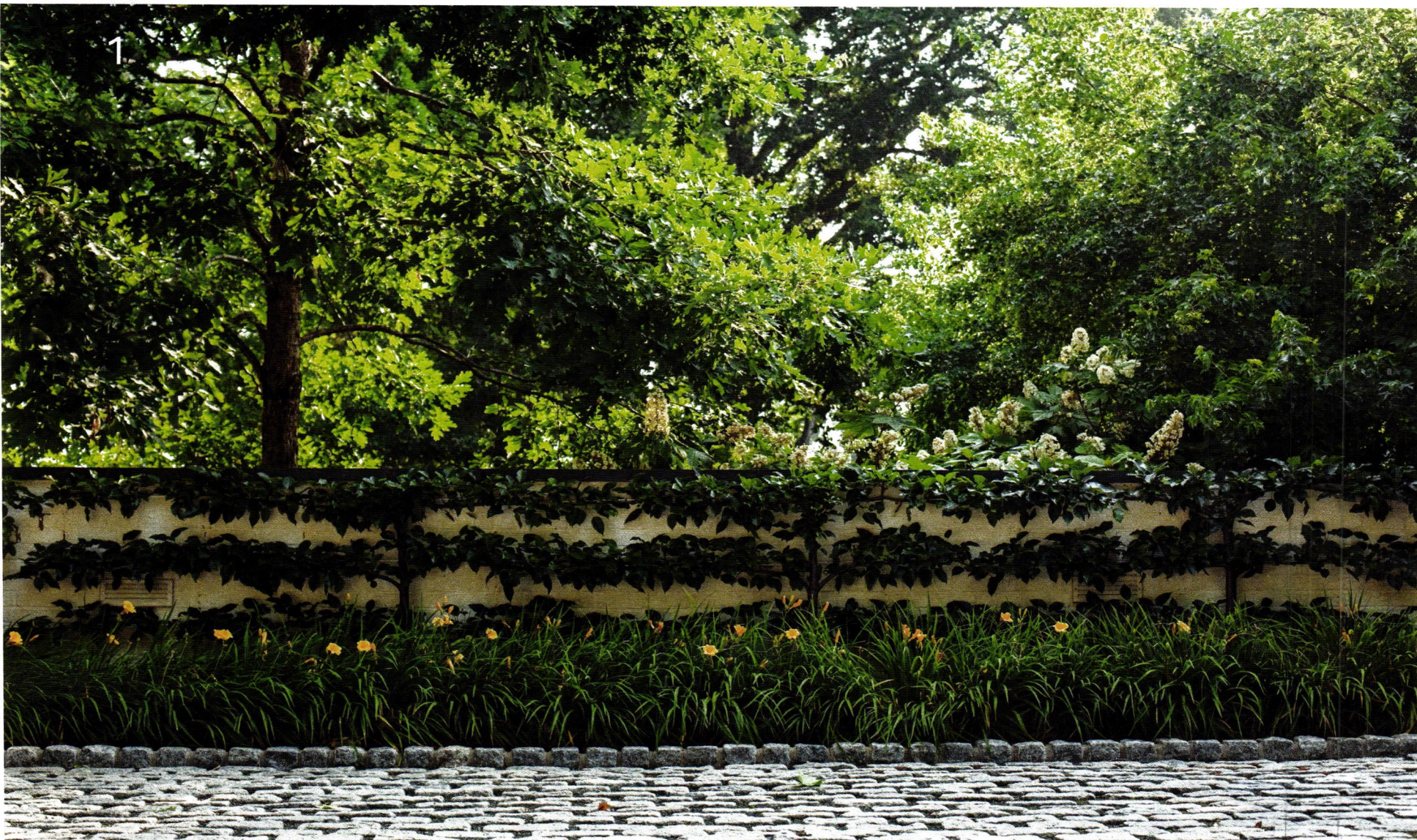


Verdant Visionary

Thomas L. Woltz has been a steward of global landscapes for more than 30 years.

BY NANCY A. RUHLING

At The Cedars in Old Brookville, New York, the Nelson Byrd Woltz landscape master plan was inspired by the historic house and the remnants of its original gardens, farm and woodlands. Cedar trellis divide the garden areas with the walled potager, and the signature blue gates are custom. All photos by Eric Piasecki unless otherwise noted





1: At Seven Ponds Farm, a cattle farm in central Virginia, espaliered Asian pears provide flowers, fruit and a beautiful winter structure on the walls of a cobbled parking court.

2: Native red cedar trunks, stripped of bark, signal the threshold to Seven Ponds' Asiatic dell.

3: Stairs at Seven Ponds, made of reclaimed granite, act as a transition between a nuttery and formal garden closer to the house.

4: Virginia creeper brings verdant life to the façade of the pool pavilion at Seven Ponds.

At The Cedars, the pool area is defined by limestone piers, fieldstone walls and sheared English yews. The little-leaf lindens lead to the playfields.



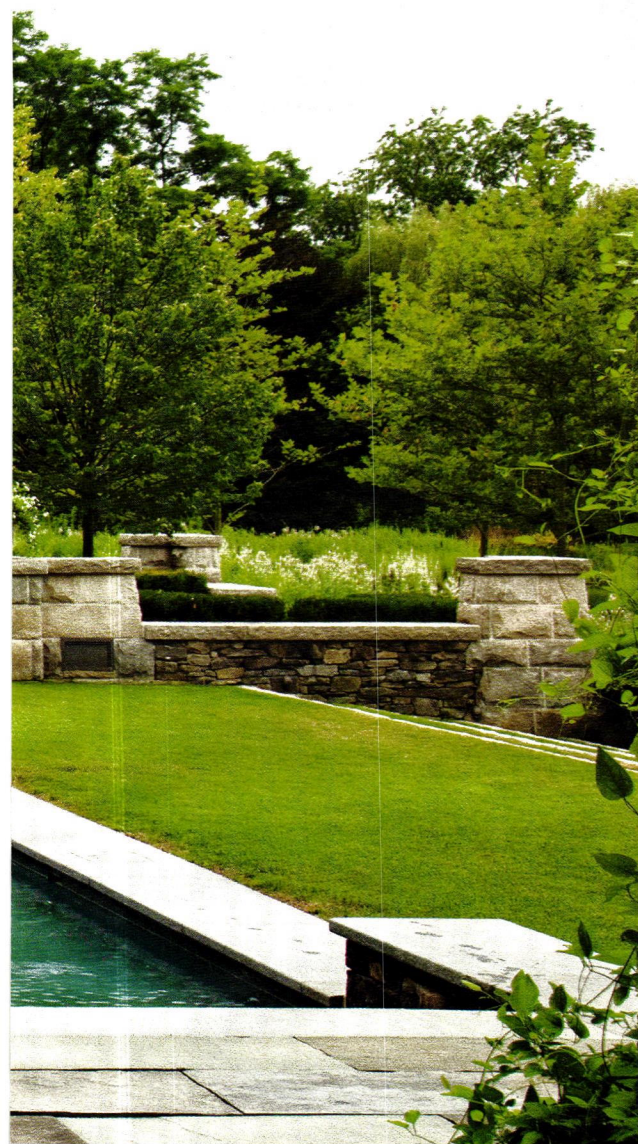
On the landscape architecture scene, Thomas L. Woltz FASLA, CLARB, is considered a visionary. So it's illuminating to view things through his ever-excited eyes. When he gazes at a green space, he sees a forest of abstract art through the trees. His epiphany that landscape architecture goes far "beyond the decoration of the outdoors with plants" came long before his career was fully cultivated.

Woltz, the owner of Nelson Byrd Woltz Landscape Architects, which has won more than 100 national and regional awards since its establishment in 1985, studied architecture and architectural history at the University of Virginia. Later, he earned master's degrees in architecture and landscape architecture.

"My 'conversion' came after I lived in Venice, Italy, for five years," says Woltz. "I came to understand that the landscape, in the biggest sense of the word, was everything outdoors, which in Venice was not trees, gardens and parks but rather courtyards, plazas, streets and canals, in other words, minerals and water."

Making "design in the stewardship of ecology and

LEFT: Thomas L. Woltz's firm, Nelson Byrd Woltz Landscape Architects, has won more than 100 national and regional awards. Photo by Robert Wright

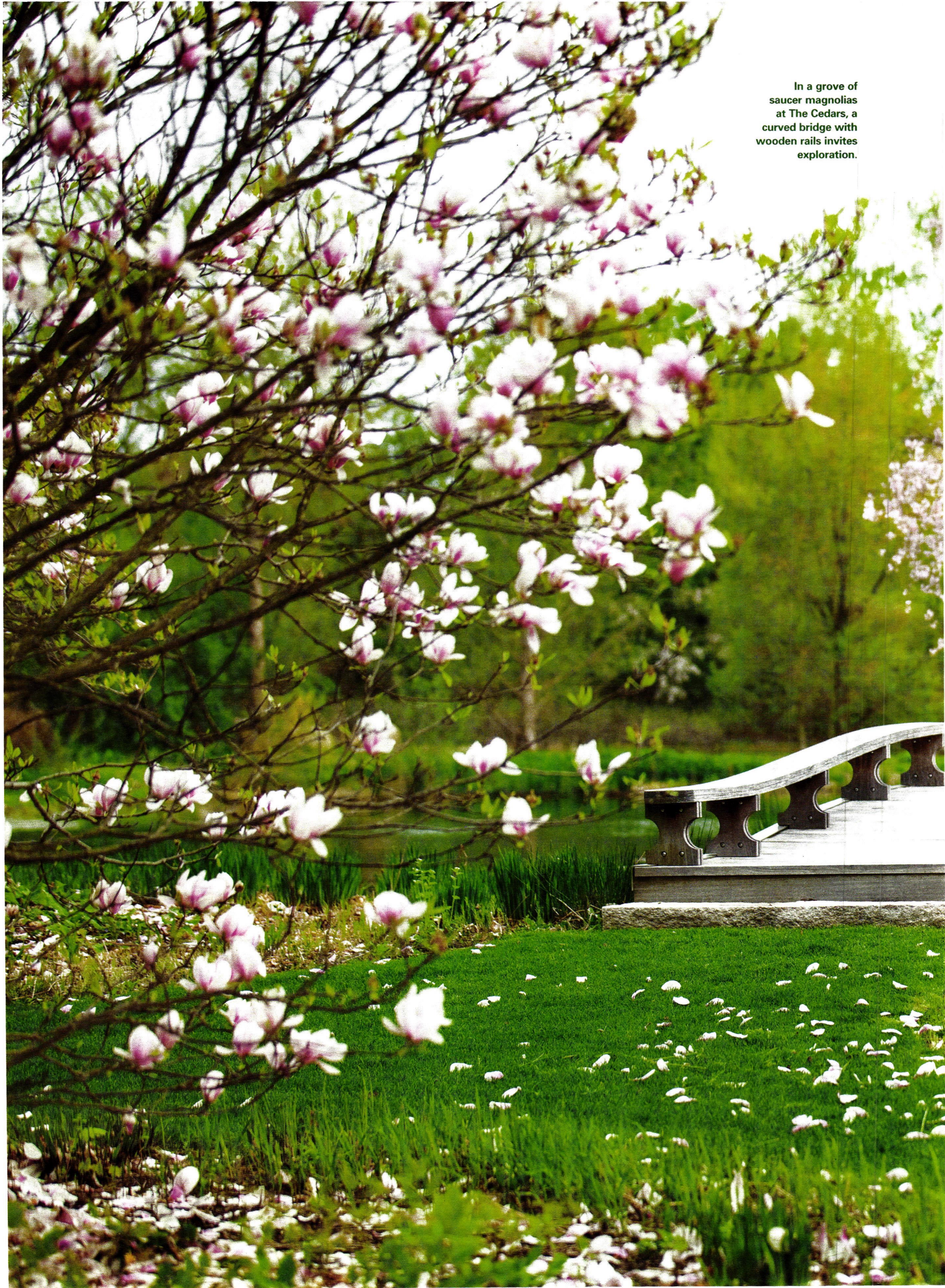


On The Cedars' breakfast terrace, irregular paving provides places for fragrant herbs and plantings such as lady's mantle to flow in from the borders.



In the cultivated garden area of Iron Mountain House in northwestern Connecticut, a stone wash basin is planted next to the vegetable garden, and poured-in-place concrete walls engage with natural faces.

In a grove of
saucer magnolias
at The Cedars,
a curved bridge with
wooden rails invites
exploration.







FROM TOP: Fieldstone retaining walls at Iron Mountain House overlook the wildflowers meadow and introduce the 20-acre lake and woodlands.

The native meadow at Frederic Edwin Church's Olana in Hudson, New York, features a historic barn. Nelson Byrd Woltz's plan recommends the phased restoration of Church's working and ornamental farm and the introduction of educational and interpretive programs. Photo by Nelson Byrd Woltz Landscape Architects

Clouds Over Olana, painted in 1872 by Frederic Edwin Church, was one of the factors informing the Nelson Byrd Woltz strategic landscape design plan.



culture in the landscape" his mission, Woltz and his 45-person firm, which has offices in Charlottesville, Virginia, and New York City, have created landscapes in 25 states and 12 countries in spaces ranging from public parks and university campuses to historic sites and botanic gardens.

It is Woltz's firm that is designing the six-acre public square and gardens at Hudson Yards in Manhattan, restoring and revitalizing Memorial Park in Houston and implementing its redesign of Centennial Park in Nashville.

And Nelson Byrd Woltz recently completed a four-year renovation and expansion of Florida's Bok Tower Gardens, which was designed in 1922 by Frederick Law Olmstead Jr.

Whatever the project, Woltz aims to "discover how design can capture the distinct and unique voices of the site."

Take Thomas Jefferson's Monticello in Charlottesville.

A decade ago, Nelson Byrd Woltz began studying the estate's 2,600 acres. After extensive consultations with conservation biologists as well as the house's staff—archeologists, historians, preservationists, educators and curators—the firm made recommendations that placed the site in historical perspective yet kept it relevant and informative for the more than 530,000 tourists who visit each year.

The give-and-take process also included studying historic surveys and maps, coming up with conservation initiatives for water quality and biodiversity and performing soil tests.

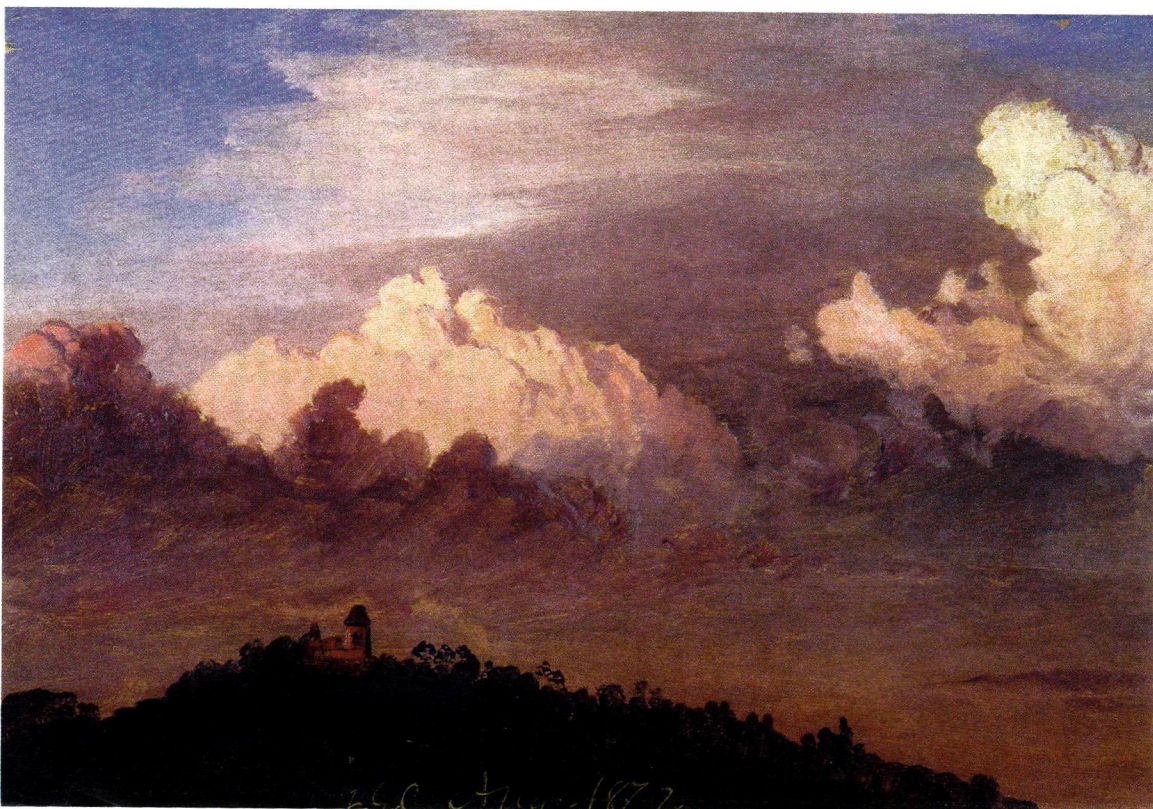
Woltz says the team then used a series of questions. Could we use active farming as a tool for cultural landscape preservation? Could we connect the contemporary visitor to Jefferson's vision for the agrarian economic base he believed in? Could sustainable agriculture today build on the innovations of Jefferson and bring immediacy to his message for the 21st-century visitor to inform the design?

The team worked with its farm consultant to determine which crops would be most viable, generating a 10-year business plan.

The Monticello plan balances culture, ecology and agriculture to "tell a richer story about the land, its people and Jefferson as a visionary farmer," Woltz says.

In addition to designing, Woltz, who is 50, travels around the world checking up on the firm's projects. He recently returned from two back-to-back trips—one to England, Switzerland and Portugal; the other to New Zealand, Australia, and Tasmania.

"Traveling always expands the mind and leads to inspiration," he says. "The inspiration comes from embedding yourself in the daily reality of the place. I immediately try to figure out the public





Fieldstone retaining walls wrap the herb and vegetable garden amphitheater at Iron Mountain House, and Cor-Ten steel bands filled with crushed stone create a stepped terrace.

The cherry allée at The Cedars wears its brilliant autumnal foliage, which is accented by the vivid yellow of the amsonia underplantings.



transit, explore vegetable markets, new and old architecture, and, of course, public parks.”

Despite his late entry into the field, Woltz’s love of the landscape can be traced all the way back to his boyhood. His childhood farm in Mount Airy, North Carolina, featured a kitchen garden that provided vegetables for family meals.

His love for landscapes dovetailed with his affinity for architecture when he was living and working in Europe after college.

From the Veneto region of Venice, where he frequented Palladian villas, he honed his appreciation for the scale and craft of renaissance buildings and

their symbiotic relationship with their surroundings.

“The idea that these villas were agricultural buildings integral to the act of farming and that they were also connected to the concept of *villeggiatura*, a philosophy of the betterment of the soul by the direct contact with the productive landscape, was very inspiring and embedded in me an understanding that design carried meaning beyond aesthetics,” he says. “The buildings and landscapes of these villas were inseparable; neither functioned without the other.”

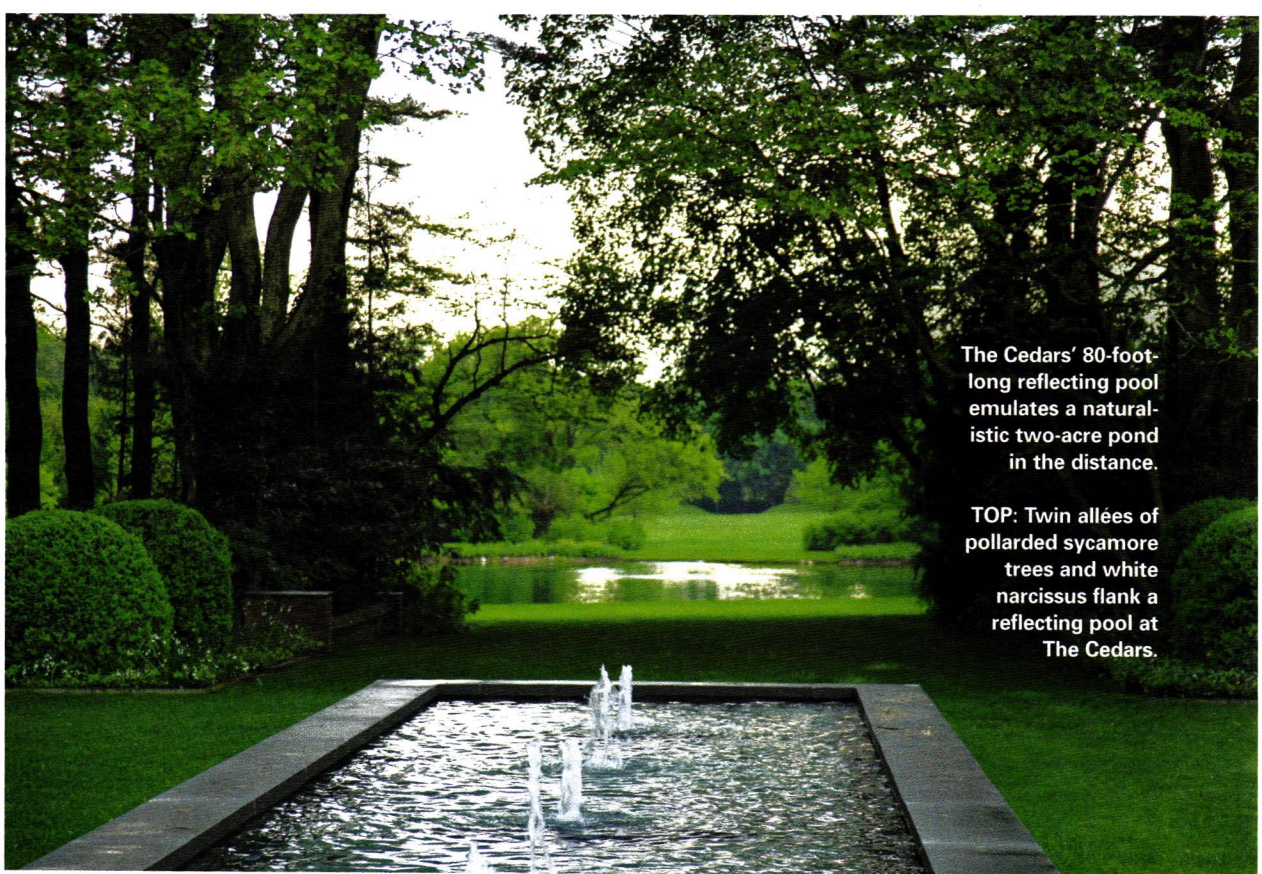
It was in Paris that Woltz came to understand that cities possess a “landscape metabolism” where courtyards, parks, alleys and boulevards are connected to

each other like branches on a tree.

“They form a continuous urban landscape experience and perform important services like biological connectivity, increased biodiversity, stormwater management, and urban heat island mitigation,” he says. “In the United States, too often we find parks operating as objects that are disconnected, even isolated, by hostile urban environments.”

Woltz also gets inspiration from historians/authors like Robert Pogue Harrison, Andrea Wulf and Betsy Barlow Rogers who, he says, “describe the power of meaning in the landscape.”

Their works illuminate the human-landscape



The Cedars' 80-foot-long reflecting pool emulates a naturalistic two-acre pond in the distance.

TOP: Twin allées of pollarded sycamore trees and white narcissus flank a reflecting pool at The Cedars.

link, he says, “over time through many lenses, from founding politicians, global explorers and 19th-century designers to the role of landscape in contemporary life.”

Nelson ByrdWoltz Landscape Architects works in a broad range of design languages and horticulture.

“I would not say that our firm has a style at all,” he says. “We seek to be responsive to the unique context of every project and generate a design that feels integral to that place.”

Woltz, who was named the Design Innovator of the Year by *The Wall Street Journal Magazine* in 2013, became a partner at Nelson Byrd Landscape

Architects in 2004 and the owner in 2013.

He remains captivated by the “simultaneous power and fragility” of landscape architecture to “hold our civilization’s cultural history while performing ecological services critical to human life.”

The stories stored in the land, he says, can vanish unless they are carefully tended, retold and revealed. Landscape architecture can be a powerful agent for preservation of these narratives.

“My ideal project is one that is public and combines a fascinating cultural landscape with an ecological landscape in need of care,” he says.

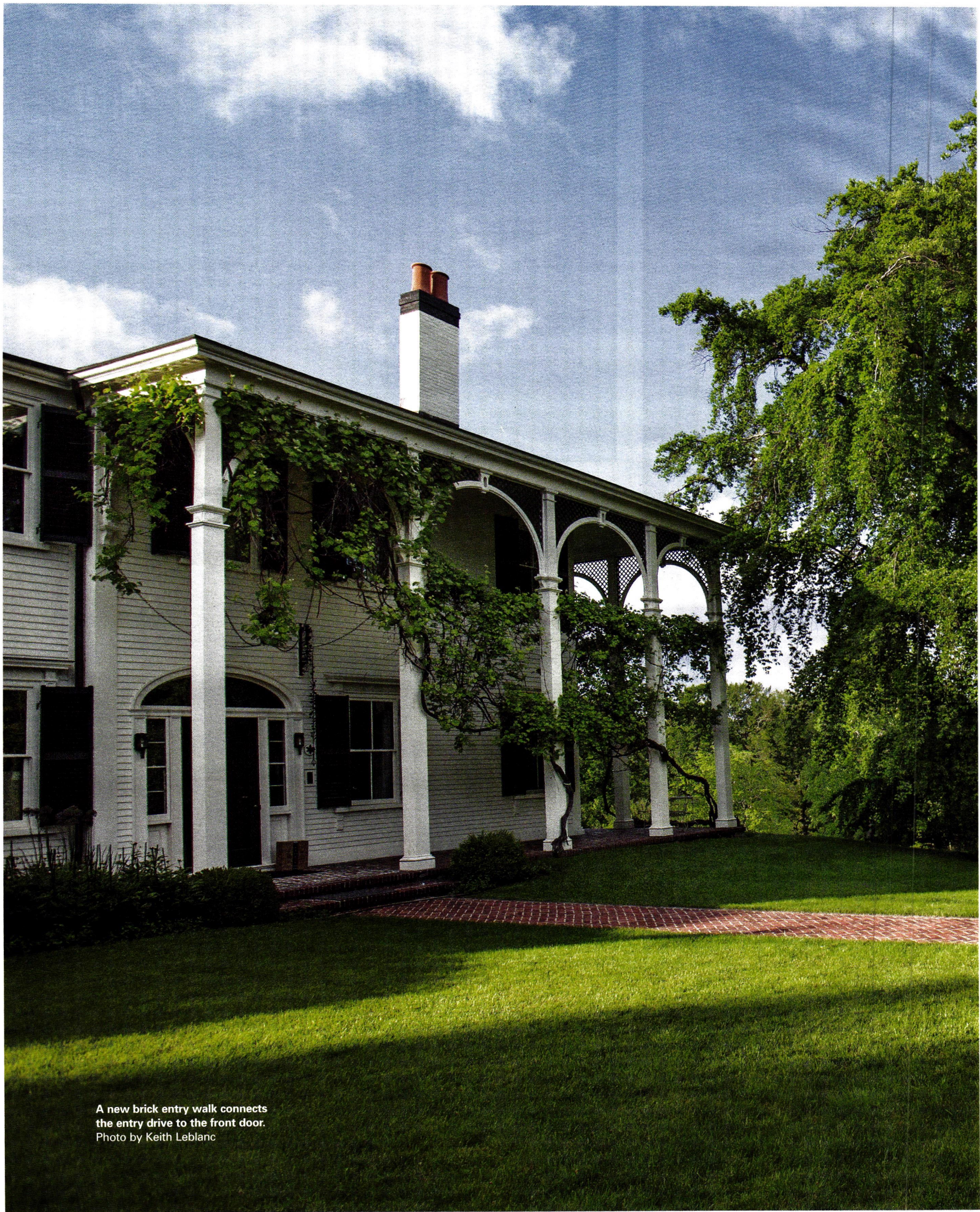
Woltz, who forms decade-long relationships

with clients, sees his role as being a “careful steward of the lands entrusted to my firm.”

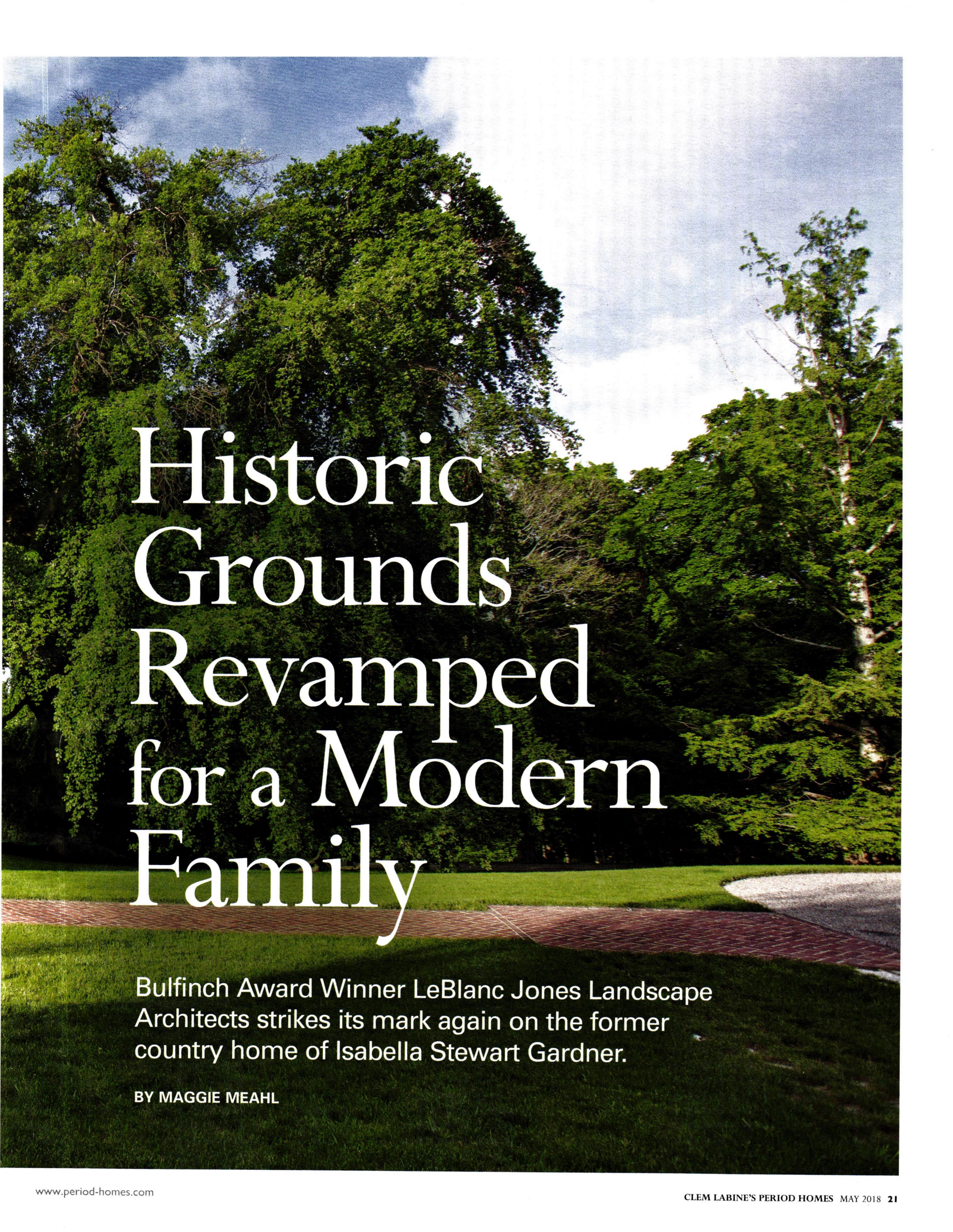
When Woltz is not in the field or in his office, he’s tending his own 18-year-old garden at his 1890s house in downtown Charlottesville.

Its series of spaces, formed by sheared *Carpinus betula* hedges, include a circular garden room, a bowling green, a native and Asian shrub collection, a perennial garden and a small vegetable garden.

“Sadly, I travel too much to care for it alone the past few years,” he says. “Still, I try to keep up with shearing the couple hundred feet of hornbeam hedges myself four times a season. It’s a labor of love.” ■



**A new brick entry walk connects
the entry drive to the front door.**
Photo by Keith Leblanc



Historic Grounds Revamped for a Modern Family

Bulfinch Award Winner LeBlanc Jones Landscape Architects strikes its mark again on the former country home of Isabella Stewart Gardner.

BY MAGGIE MEAHL





The hillside is sculpted to introduce a new level play lawn. Photo by Millicent Harvey

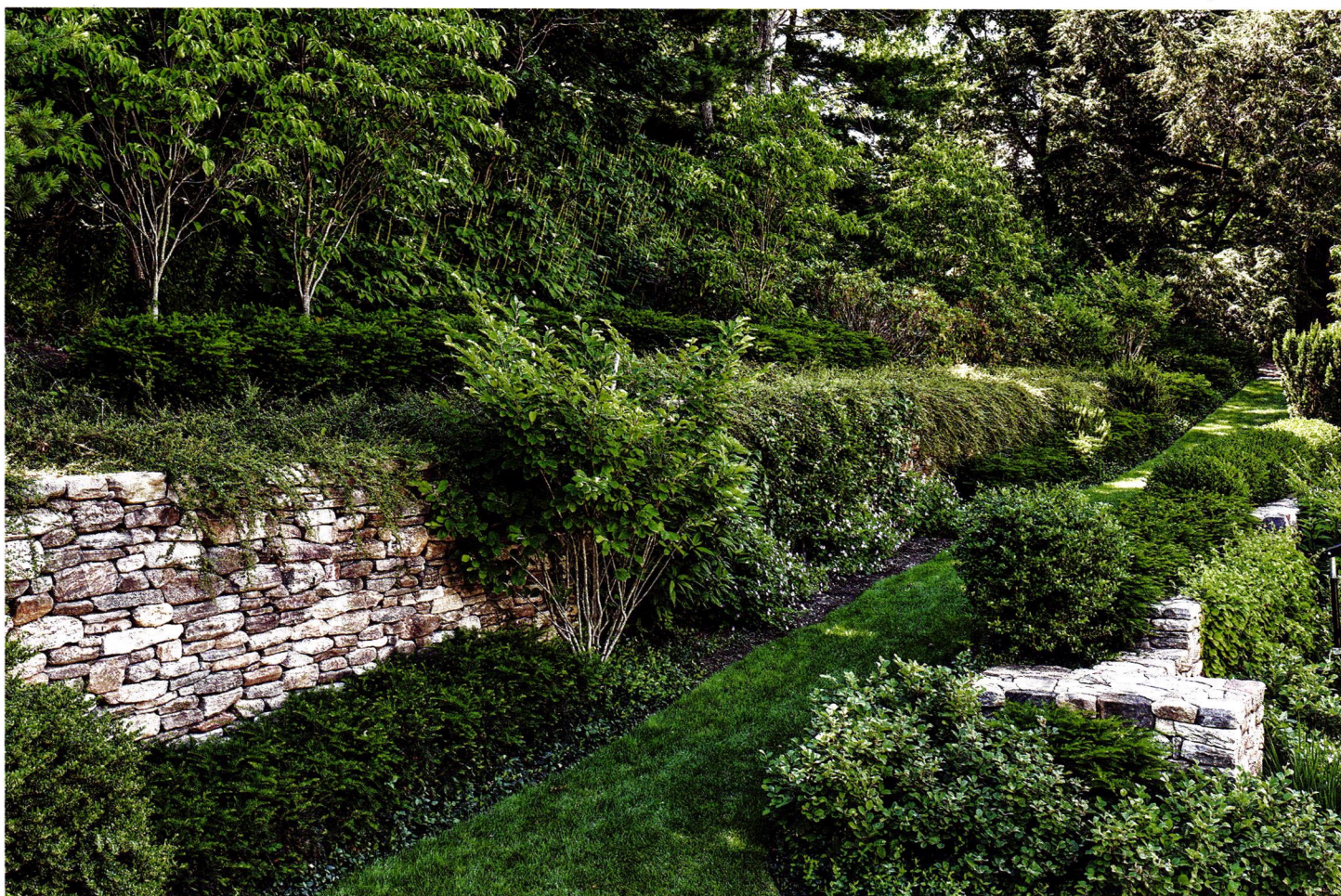
BELOW: The entry drive is pulled away from the house to provide a new entry lawn. Photo by Keith LeBlanc

OPPOSITE: A salvaged granite walk and stair connects the garage court and entry lawn. Photo by Keith LeBlanc

Should the landscape surrounding a house dictate the renovation of the estate itself? Yes, when one is talking about the former country home of John L. and Isabella Stewart Gardner. Rising out of the hilly country club district, just outside of Boston, Massachusetts, is an 1806 plantation-style mansion complete with grape vine and wisteria-covered colonnades. Astonishingly, it had remained in the Gardner family from 1842 to 2011 when a couple with children purchased it. It is hard to decide what excites the eye more, the iconic view of the ancient grape vine-covered porch or the breathtaking vista that spills out in front of it. There was a challenge however: how to update the rolling terrain around the house, for the needs of a modern family, without sacrificing its' historical integrity—especially with regard to its wonderful specimen trees.

Enter the Bulfinch Award-winning team from LeBlanc Jones Landscape Architects. Their job was to carefully renovate the extensive 3.5 acres of verdant acres that the Federal gem adorns. The plan included





TOP: New salvaged granite stairs and walls link the house to a new lawn terrace. Photo by Keith LeBlanc

ABOVE: A new garden path helps navigate the grade changes required to provide access to the garage court and preserve existing trees. Photo by Millicent Harvey

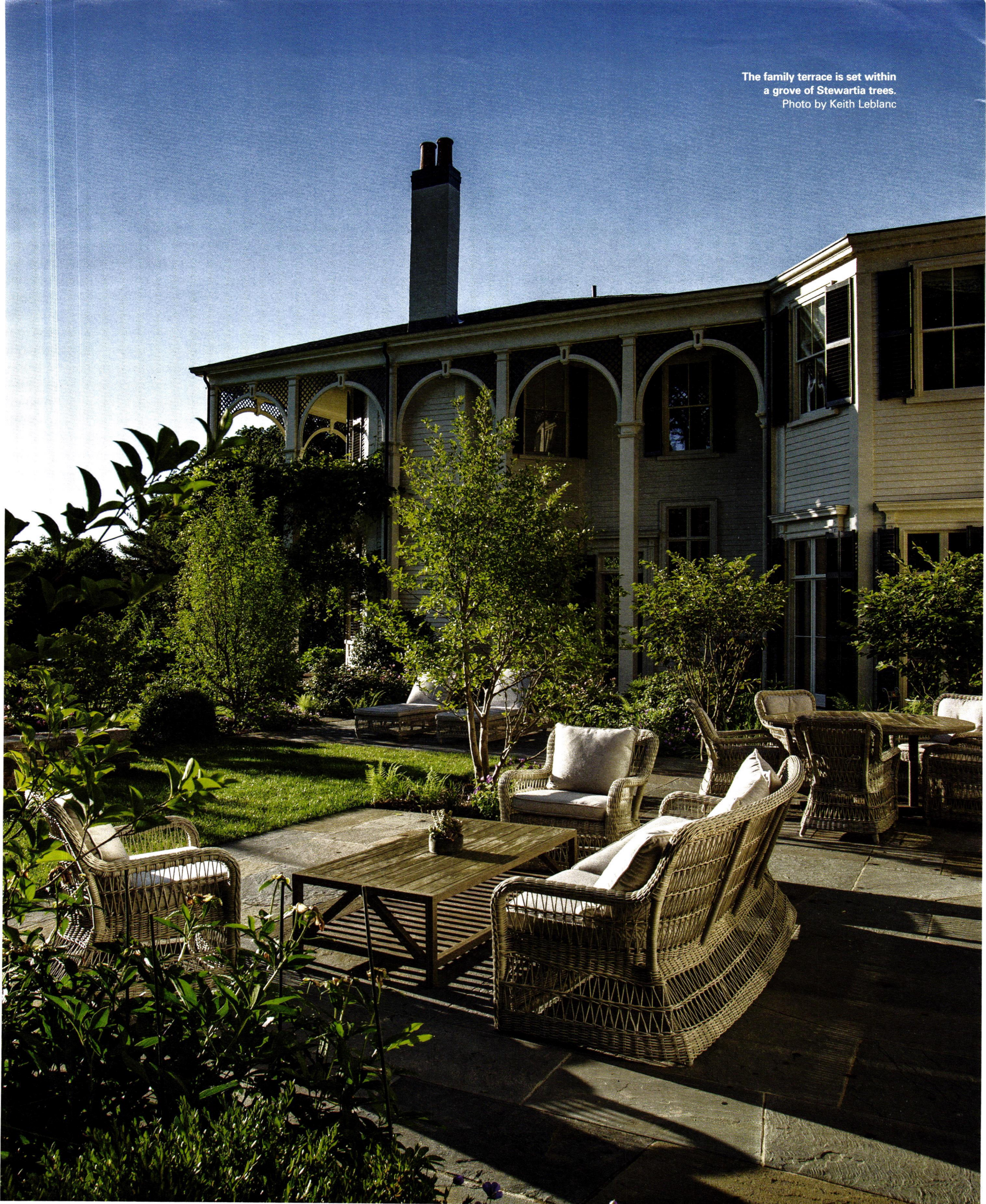
new outdoor spaces as well as a new garage in order to mitigate the subdivision of the original Gardner property. Connecting the new spaces would be revamped old footpaths and carriage roads. What the project did not include was a restoration of Mrs. Gardner's original landscape structures such as greenhouses and a Japanese garden.

Led by Keith LeBlanc, the Gardner Estate project took approximately six years to complete. It was the clients' wishes "not to do too much to the historic property and that guided a lot of the decisions throughout the whole process," LeBlanc explains. And yet, a lot was done but with a subtle hand.

Phase One involved creating new adjacent amenities near the house. Thus, a new 3-car garage (connected to a "back door" addition to the home), cobble and lawn overflow parking spaces, and a new entry court were created. This construction involved precise grading. Project manager, Chris Shirazi explains, "In the front of the residence we actually re-designed the whole driveway so that the turnaround was moved away from the house to allow the family a bigger lawn area."

The second phase of the renovation was equally challenging. It included "sculpting" a play lawn for the children into the large hill that slopes downward

The family terrace is set within
a grove of Stewartia trees.
Photo by Keith Leblanc







ABOVE: Areas for dining and lounging are organized around a formal lawn. Photo by Keith LeBlanc

RIGHT: Branches of a mature weeping beech frame the path to the Garage Court where there was once a carriage road. Photo by Keith LeBlanc

OPPOSITE: Plantings at the family terrace provide privacy from the street while creating new vistas across the site. Photo by Keith LeBlanc

toward the winding entry drive. Extensive grading was also utilized (instead of retaining walls) in order to keep the dramatic view of original legacy trees: weeping beech, beech, hemlock, dawn redwood, linden, and dogwood, unchanged.

Grading was also done on the northern side of the home to create a series of purposeful outdoor rooms connected by vestiges of old footpaths and carriage roads. For example, a bluestone family terrace was laid out beside the addition. A new flagstone wall surrounds it. Stewartia and witch hazel trees were planted to ensure privacy and to provide shots of color and texture. The usual New England suspects: peonies, roses, iris, and geraniums were also tucked in, “We needed something local right there but the lawn is really the focal point,” says LeBlanc.

A newly devised stepping-stone path (underneath the remnants of an old allée) connects the family terrace to a sheltered fire pit area. Irregular slabs of blue-brown Goshen Stone® were used with grass jointing. This casual spot leads down to the play lawn or up to a secluded turf terrace via reclaimed granite steps. Repurposing of existing hardscape materials is a practice of LeBlanc Jones.



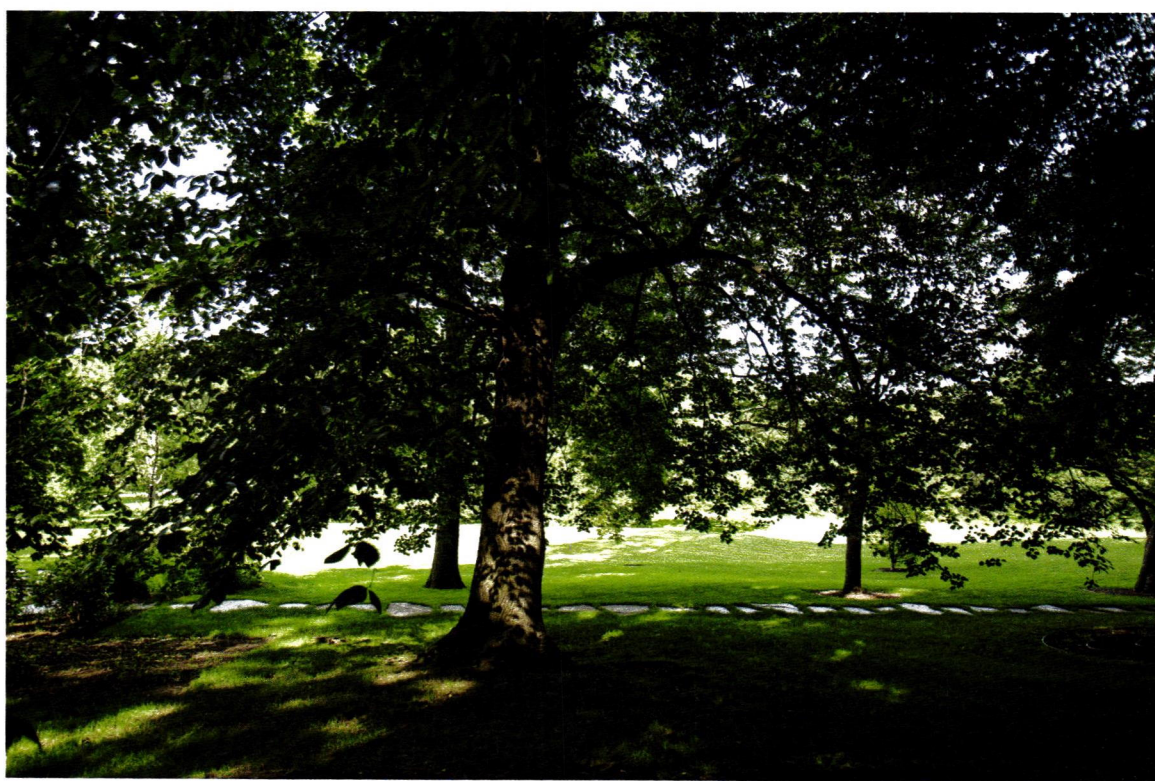




LEFT: The fire pit terrace terminates the new walk from the family terrace. Photo by Keith LeBlanc

BELOW: A wall and plantings define the new terrace adjacent to the home. Photo by Millicent Harvey

BOTTOM: A new garden path is inserted within the remnant garden alley. Photo by Keith LeBlanc



The focus of the Gardner Estate project always came back to saving old trees and introducing new ones resistant to climate change. As LeBlanc points out, “It was about the concentration of the intensity of the plantings. On an estate like this the challenge is to have enough “garden” that would have flowers but understanding that the views out to the rolling lawn and majestic trees (we actually planted some legacy trees for the next generation) are the focal points.” He believes the Gardner family would “recognize some of the trees because they were clearly planted with legacy in mind. You don’t plant a beech

tree and not remember it.” The new stewards of the land value their trees so much, they have an arborist on call.

Despite the grandeur of the Gardner Estate, it appears to have always been a child-friendly place based on old photographs the landscape team found when conducting their research. Flash forward to 2018 and instead of seeing 19th-century children in pony-driven sleighs, picture youngsters kicking a ball on a new emerald green field, courtesy of LeBlanc Jones Landscape Architects. Isabella Stewart Gardner would surely approve. ■

CRYSTAL PALACES



Glass houses introduced into the garden provide beauty and practicality in traditional design.

BY GORDON H. BOCK

OPPOSITE: Nineteenth-century styling creates a unique ambiance for this conservatory that was designed and fabricated by Tanglewood. Photo courtesy of Tanglewood

BELOW: This gabled, mahogany-framed conservatory was fabricated by Glass House, LLC. Photo courtesy of Glass House, LLC.



Transparency is bigger than ever—not just in government, but even more so for period homes shining with glass enclosures from conservatories, greenhouses, and orangeries to skylights and lanterns. Since the options for design as well as the glass itself increase every year, some lucid expert insights can help architects and clients reflect on the choices in this many-sided marketplace.

With housing construction recently through the roof, has glass followed in its path? “So far, we’re as busy this year as we were last year,” says Steve Pearson at Renaissance Conservatories in Leola, Pennsylvania, “and we were busier last year than the year before, so things are picking up.” While he says these projects take time to develop, “I think more people are building, and they’re building faster.”

Neal Bobrick with Hartley Botanic based in Woburn, Massachusetts, is equally optimistic. “Greenhouses are as ubiquitous in England as garages are in America,” he says, while noting his com-

pany’s 80th anniversary, “so from our perspective, the United States is a market full of possibilities, and our business is doing extremely well.”

At Tanglewood Conservatories in Denton, Maryland, Alan Stein takes a broad view. “Most of our work is spread across the country, with more on the coasts and in the upper Midwest, but I think wherever people have the means, there’s a growing interest in the kind of work that we do.” Meanwhile in Pomfret, Connecticut, Jim Potrzeba reports, “Business has been steady for us,” at Glass House LLC. “We’re a niche industry, not a kitchen or bathroom but a specialty space—even a luxury,” he explains. “That’s not for everyone, but it is a quality-of-living and healthy-and-happy-environment type space, so there’s a high priority on that.”

For a category that, as recently the 1960s, offered little more than a handful of holdover companies from the 1920s—and almost no one manufacturing domestically—glass structures have rebounded into a diverse industry. As an example, Stein says his com-

pany is known for their tremendous variety. “We do wood and steel conservatories, and we’ve worked with bronze, plus greenhouses complete with all the growing and horticultural systems—a whole host of work.” Rather than be limited by outside suppliers, they like to control the manufacturing as well as the design. “We’ve really pushed the boundaries for years because we do so much of it ourselves.”

Bobrick, on the other hand, takes pains to make clear his company’s focused approach. “What we do is a true, growing greenhouse, in the sense of an English garden,” he explains. “It allows the owner to control the temperature for whatever they’re cultivating in whatever climate they’re in, so that they can grow plants year-round.” In contrast, he says a conservatory is basically a living space. “While some people with greenhouses will add tables and chairs to have a glass of wine, a greenhouse is not a living space.” One type of buyer he says is the wealthy person with not only property but also a staff gardener. “Another type is the horticultural expert or hobbyist



TOP: Renaissance Conservatories manufactured this conservatory for a client in New Jersey. Photo courtesy of Renaissance Conservatories

ABOVE: Made of low-maintenance aluminum, this traditional English greenhouse design from Solar Innovations is enhanced with decorative crests, finial, simulated-divided lites, dentil molding and raised panels on the doors and crown. Photo courtesy of Solar Innovations

who understands the value of a greenhouse and has the wherewithal for one.”

These days, the industry is not exclusively about full-size structures. Pearson says that while they do build freestanding units, most of their commissions are for additions or projects that are part of a building. “A lot of people build a conservatory onto a kitchen to make a sort of breakfast area, or they have it off the side of a library or living room for entertaining.” Big conservatory projects remain a regular part of the business, but so too are smaller units. “You might say we are passively involved in a lot of kitchen remodeling,” he notes. “We sell a lot of glass-top bay windows to people who want to replace an existing kitchen window with something different, and we make a glass-top garden window that often ends up over a sink and behind a counter.” He adds that they also see a fair amount of enclosures for spas or lap pools. “In those cases, we often don’t do the whole addition, just one end of a room built with regular construction walls.”

Nor does it have to be exclusively about new construction. “We do a fair amount of rebuilds through updates and insurance work,” says Potrzeba, noting last year’s record for natural disasters. “We see buildings pushing 75 to 100 years old that, while they may have interesting lines and character, are fatigued or don’t conform with the performance and energy efficiency standards of newer structures.”

In fact, he says their projects are as varied as ever, with skylights and lanterns, which the company has pioneered as products since the 1990s, still a very large proportion of the business. “Homeowners and designers put a pretty high value on day lighting to bring a more open feel to a space,” says Potrzeba, “and some of the skylighting we do in lanterns and interior rooms affords natural light to areas that might otherwise be dark.”

VITREOUS STYLES

For a structure with such a strong visual impact, architectural style—or lack thereof—is an important consideration for many projects. Stein says they do the “English conservatory look” as well as a lot of different styles. “The big distinction is between traditional and much more contemporary, or modern,” he explains, with the latter currently very popular. “People are looking for minimal structure and very narrow sight lines.” However, when clients ask for a design to match the style of their house when it was built, he suggests they’re limiting their opportunities. “When conservatories were first developed in the 19th century, they were so different they *couldn’t* look like the house. So people reveled in the contrast, and a conservatory would be a frivolous folly, a piece of whimsy.”

Says Bobrick, “The most popular product that we sell in the United States is our Victorian greenhouse, a look that, I think, that represents the English period style.” He adds though that since the company has increased their focus on the western states they’ve seen an interesting trend. “Our modern-style greenhouses, what we call our Opus series, is very popular in the West, especially in California and the coast, and you can imagine why.” The East Coast, he explains, especially New England, has more older homes and Victorian architecture, while the western part of the United States leans more towards modern. They’ve also put Victorian structures in very modern properties, “but in most cases customers



Individually commissioned conservatories from Oak Leaf Conservatories emphasize symmetry, appropriate scale and proportion, and feature traditional mortise-and-tenon joinery. Photo courtesy of Oak Leaf Conservatories

BELOW: Harley Botanic's Westminster design is a modern greenhouse with double doors. Photo courtesy of Hartley Botanic

OPPOSITE TOP: The Grange greenhouse is unique to Hartley Botanic and has an unusual roof vent cowl. Photo courtesy of Hartley Botanic

OPPOSITE BOTTOM: The Victorian Grand Lodge by Hartley Botanic is a classically styled greenhouse with a portico with double doors. Photo courtesy of Hartley Botanic



are looking for a structure that will fit their yard or farm and allow them to grow year-round.”

Within that range he says they offer abutting greenhouses and leant-to greenhouses as well as freestanding structures. “Most of our projects are standard structures designed to fit whatever needs the customer has,” he says. “One of our tag lines is ‘Born to be Bespoke,’ so if the customer can imagine it, we will try to build it for them.”

Pearson too says they field a wide range of style and form requests. “We do a lot of Victorian and Edwardian-type rooms,” he says. “as well as a lot of skylights and lanterns, which are skylights with short vertical walls akin to a cupola.” Skylight projects often replace units built decades ago, and here clients typically ask for narrow pieces of glass similar to how skylights were built way back when. “In California, however, clients want gigantic pieces of glass and very little framing, which can be a structural issue in an earthquake zone,” he explains.

“Sometimes we have to say, ‘We can’t do that; we have to split it up.’”

Pearson says they build in wood. “We do some white oak and red oak, and we’ve built units in Douglas fir, but for the most part we use either Cedro mahogany or Honduran genuine mahogany.” This is all cabinet-grade wood, he explains, which is both durable and stable. “As in making windows, you don’t want anything to warp, but mostly the appeal is the aesthetics.”

GLASS, THE CUTTING EDGE

The most widespread interest now is the glass, such as types of what are sometimes called dynamic glass. As Stein explains, “It changes from transparent to opaque either with a flick of a switch or on its own, based upon the sun radiation hitting it.” He adds that greenhouses, conservatories, and other sloped glazing are a real specialty, and the technology has changed substantially—even in the last five years.

“We’re starting to build rooms that are all glass with little or no structure, or a combination of very, very delicately handled structure with the rest glass.” He adds, “There’s just no way that many architects would know how to even approach a structure like based upon what they usually encounter.”

Says Bobrick, “Every piece of glass in our greenhouses is a single pane wrapped in thermal protection rubber and then inserted into the greenhouse frame, so there’s never any glass-to-metal or glass-to-glass contact.” Bobrick adds that his company’s products are designed to hold 4mm, single-pane, tempered glass, which is 99 percent of the installations. “A greenhouse is intended for growing, and double-pane or shaded glass is meant more for conservatories.”

“Glass technology keeps getting better,” says Pearson, “but many of these innovations are pretty expensive at this point,” noting that with electric glass every piece has to be wired to a switch or



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control, which is labor-intensive. “Plus, if you’re a traditionalist, you’ll have to live with that fading in and out.” Low-e coatings are improving too, he points out. The two main types—hard-coat and soft-coat—differ in how much light they transmit, or how well they block heat from the sun, but may also give glass a bluish or reddish tint. “Most people who build a traditional, British-style conservatory want it to look like one with clear glass,” adding that tints may be less obtrusive on ultra-modern structures.

According to Potrzeba, “Photo-voltaics are still growing, I think, and have been longer coming than anticipated.” He adds that insulated glass has gotten marginally better in the last couple of years. “As fabrication gets more automated, and the quality of materials such as sealants improves, the lower the failure rates of insulated glass and the more durable and lasting the structure.”

He points out that today energy sub-codes come into play, and architects and designers must look at the overall building envelope more specifically. “In the 1920s, and even into the 1950s and ’60s, for example, they weren’t thinking as much about what it’s going to cost to heat a greenhouse or conservatory, or how it’s going to affect the temperature in the living room, based upon the amount of glass area.”

Perhaps the most important facet of a glass project is how the project starts. For Stein, the best scenario is when the architect approaches him with a client who’s interested in a conservatory or greenhouse or specialty skylight. “We’re brought in early so we can talk directly with the client because, with our experience, we’re sometimes able to read between the lines on what the client is saying, and often come back with options that are a little different from where the architect was headed.”

Potrzeba heartily concurs. “Oftentimes we see a design in place that is presented as ‘the look we’re after,’ but which might not be the most cost-effective or energy-efficient,” he recalls. Instead, he encourages architects to have the supplier of the glass structure involved early in the process, so they can give them guidance within the systems that make sense for the project. “At the end of the day, the architects and designers, the builder, and the glass supplier are all working toward the common goal of the best interests of the end-user.” ■

Gordon Bock is an architectural historian, instructor with the National Preservation Institute (www.npi.org), and in-demand speaker through www.gordonbock.com.

The Victorian Villa greenhouse has been adapted to lean against the wall of a walled garden. Photo courtesy of Hartley Botanic





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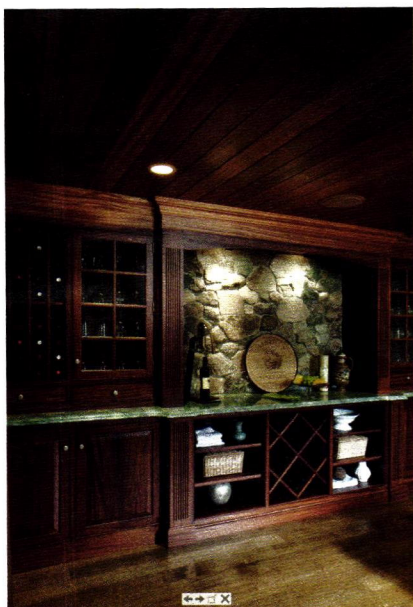


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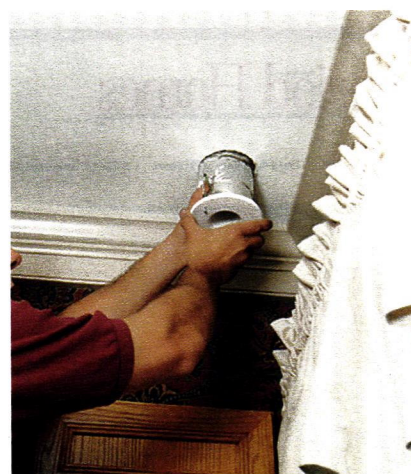
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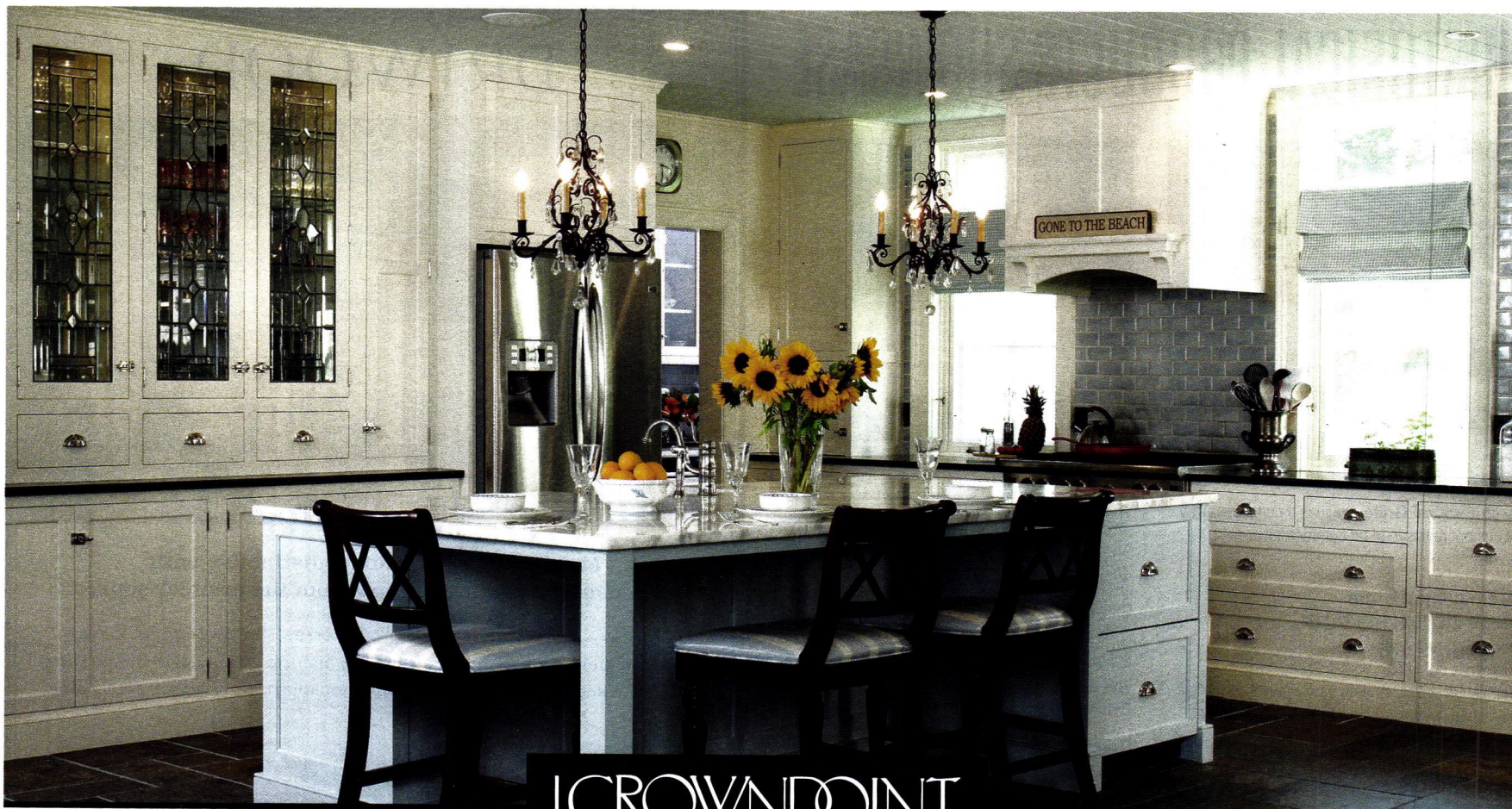
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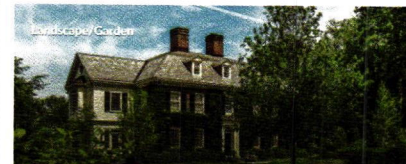


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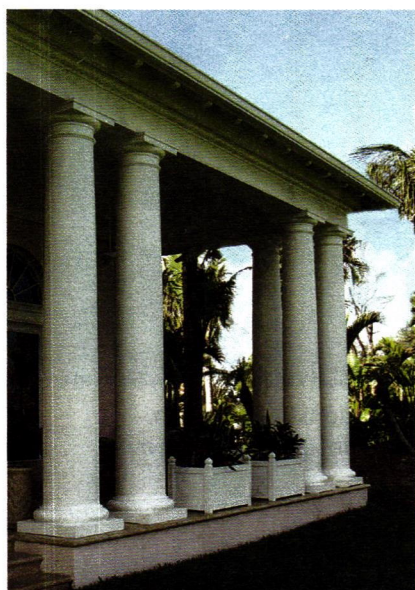
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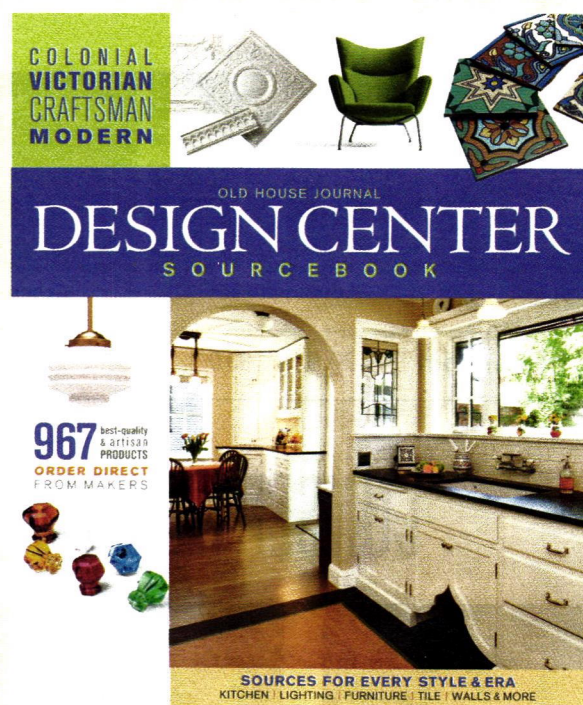
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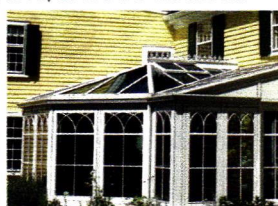
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Four Seasons Sunrooms
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www.four-seasons-sunrooms.com
Holbrook, NY 11741

Manufacturer of year-round sunrooms & conservatories: 18 distinct models in many variations; aluminum, vinyl & wood; maintenance-free exteriors; exclusive Wonderglass is designed for thermal control.



The engineered Northern white pine beams for the roof of this Victorian conservatory from **Four Seasons Sunrooms** were used to match the house's roofline.

Glass House, LLC
800-222-3065; Fax: 860-974-1173
www.glasshouseusa.com
Pomfret Center, CT 06259

Fabricator of traditional conservatories, greenhouses, sunrooms, pool enclosures, roof lanterns, specialty skylights & glass roof systems: mahogany or aluminum frame & copper; custom fabrication. Call for more information.



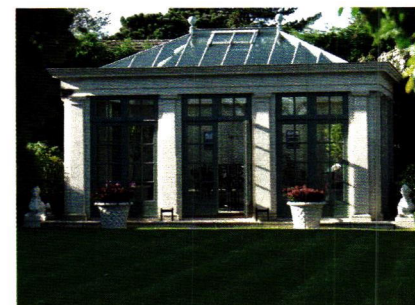
Custom designed aluminum frame horticultural greenhouse provided and installed by **Glass House, LLC**. Features include automated roof and side vent, heater and circulation fans with awning windows and double door set. Many options available.

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Manufacturer of conservatories, sun rooms, patios, rooms, pool enclosures & awnings: wood, aluminum & vinyl; Victorian-inspired designs.

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Pueblo, CO 81001

U.S. based manufacturer of landscape ornament & architectural cast stonework: planters, fountains, sundials, statues, garden furniture, balustrades, gazebos, follies, columns, porticos, doors & window surrounds, cornices, molding, mantels & more; custom components. Call for more information.



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The Victorian Lodge glasshouse is custom hand-made by **Hartley Botanic** and features a central portico entrance.



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This conservatory from **Renaissance Conservatories** is topped with a traditionally styled roof lantern.



These freestanding aluminum frame enclosures are available from **Libart** in both attached and freestanding applications.

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www.libartusa.com
Hicksville, OH 43536

Designer & manufacturer of pool & spa enclosures & sunrooms: retractable & fixed roofs.

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Leola, PA 17540

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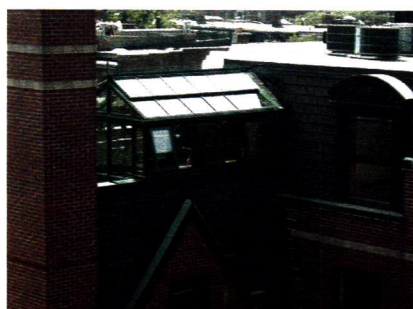
Designer, fabricator & installer of aluminum & wood glazed structures: skylights, sunrooms, greenhouses, conservatories & pool & spa enclosures; folding, tilting, sliding & stacking doors, walls, windows & screens; walkways, canopies, gutters, finials & more; HIC # PA051151. Call for more information.

Tanglewood Conservatories

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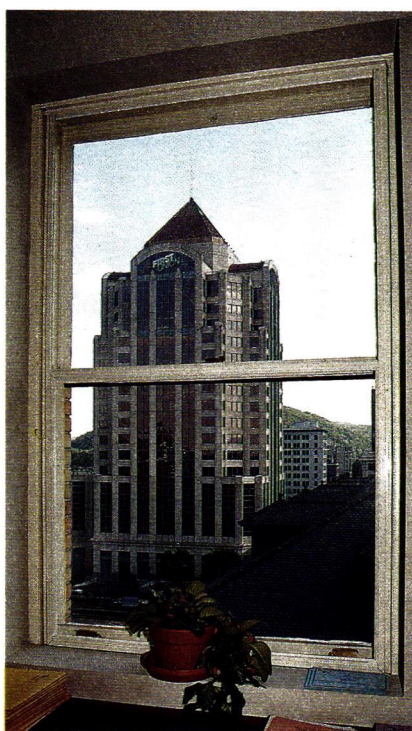


This straight-eave double-pitch conservatory from **Solar Innovations** incorporates decorative elements, including radius grid, ridge cresting, molding and finials.



Nineteenth-century styling creates a unique ambience for this conservatory that was designed and fabricated by **Tanglewood**.

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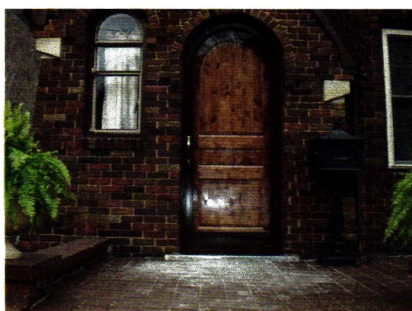


The Operating Magnetic-One-Lite window, model MOL-OP from **Allied Window**, is a bottom-operable unit with the option of an exterior half or full screen.

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Arch Angle Window & Door manufactured these traditionally styled storm doors.

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www.archangleohio.com
Medina, OH 44256

Custom fabricator of special shape aluminum storm doors, windows & screens: round top, arch top, Cathedral & Gothic designs; tempered & low-E glass.

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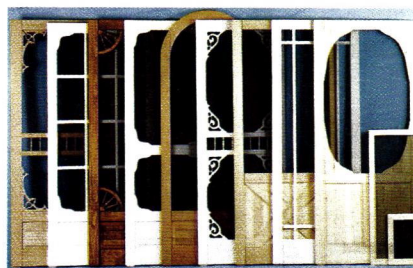
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413-367-9441; Fax: 413-367-9461
www.architecturalcomponentsinc.com
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Custom fabricator of wood windows & doors: traditional details, materials & joinery; paneled, carved, louvered, French, pocket & art-glass doors; complete entryways; screen & storm doors; casings & moldings; mantels; replications.

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Architectural Components supplied custom true-divided-lite windows and doors with insulated glass for this Shingle-style home on Martha's Vineyard.

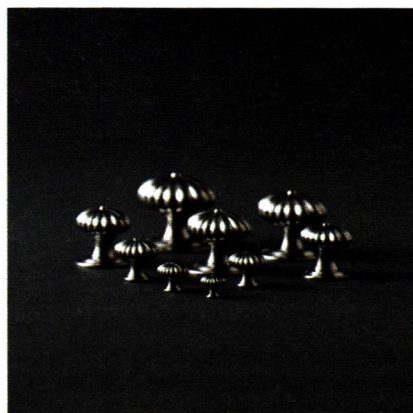


Coppa Woodworking offers more than 165 screen door styles manufactured in pine, Douglas fir, oak, mahogany, cedar and redwood.

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www.coppawoodworking.com
San Pedro, CA 90731

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Call for more information.



These Traditional OM Series Shutter Knobs from **E.R. Butler's** W.C. Vaughan Co. Collection are available in 1 1/4 inch sizes (Nominal) for Surface Mounting. Solid Turned Brass Knob. Standard, Custom Plated and Patinated Finishes Available.

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www.erbutler.com
New York, NY 10012

Manufacturer of Early American door, window & furniture hardware: 19th-century shell-shanked crystal, porcelain & wood trimmings; brass, bronze, nickel-silver & wrought iron; custom-plated & -patinated finishes; restoration work.

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This hand-forged, iron fox door pull (also available in thumb latch), from **Heritage Metalworks**, shows off exquisite detail.

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www.heritage-metalworks.com
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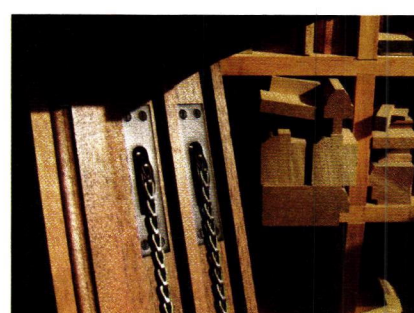


This traditional door set and steeple-tip door hinge are available from **House of Antique Hardware** in nine finishes.

House of Antique Hardware
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Shuttercraft supplied and installed these shutters with a sailboat cutout.

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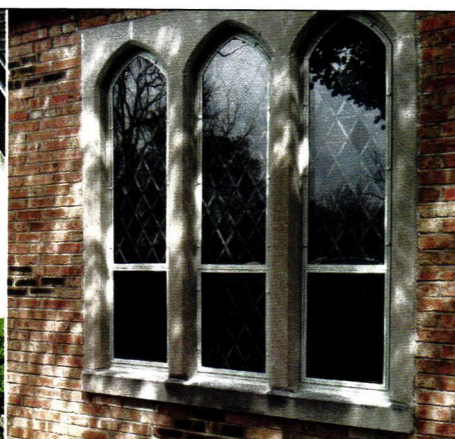


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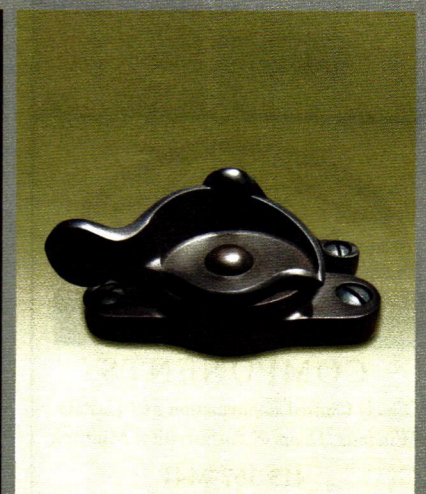


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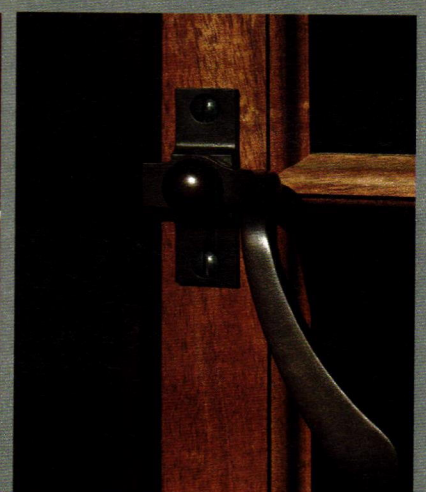
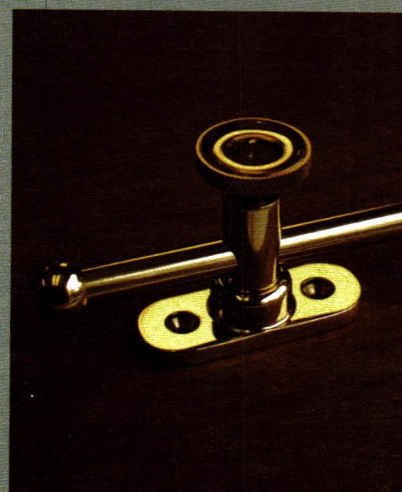
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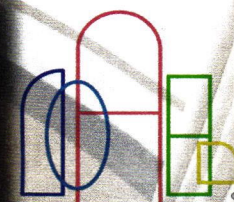
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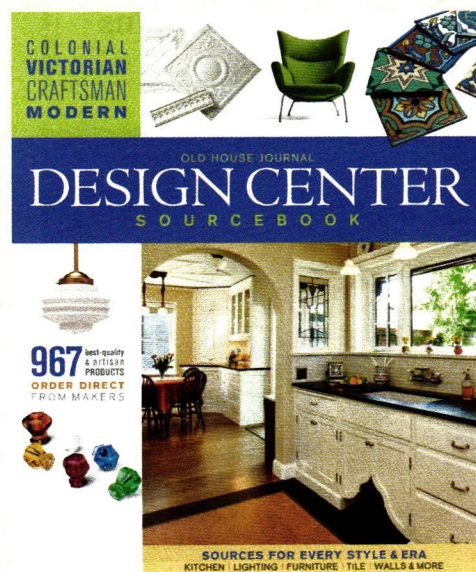
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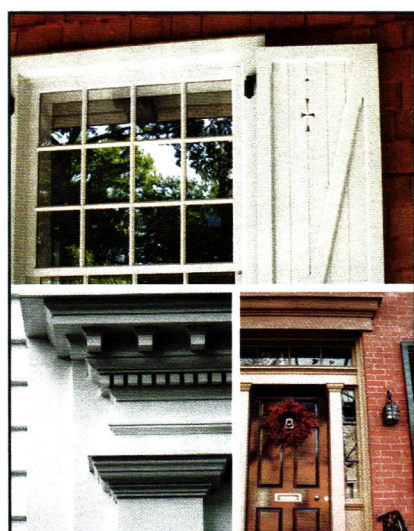
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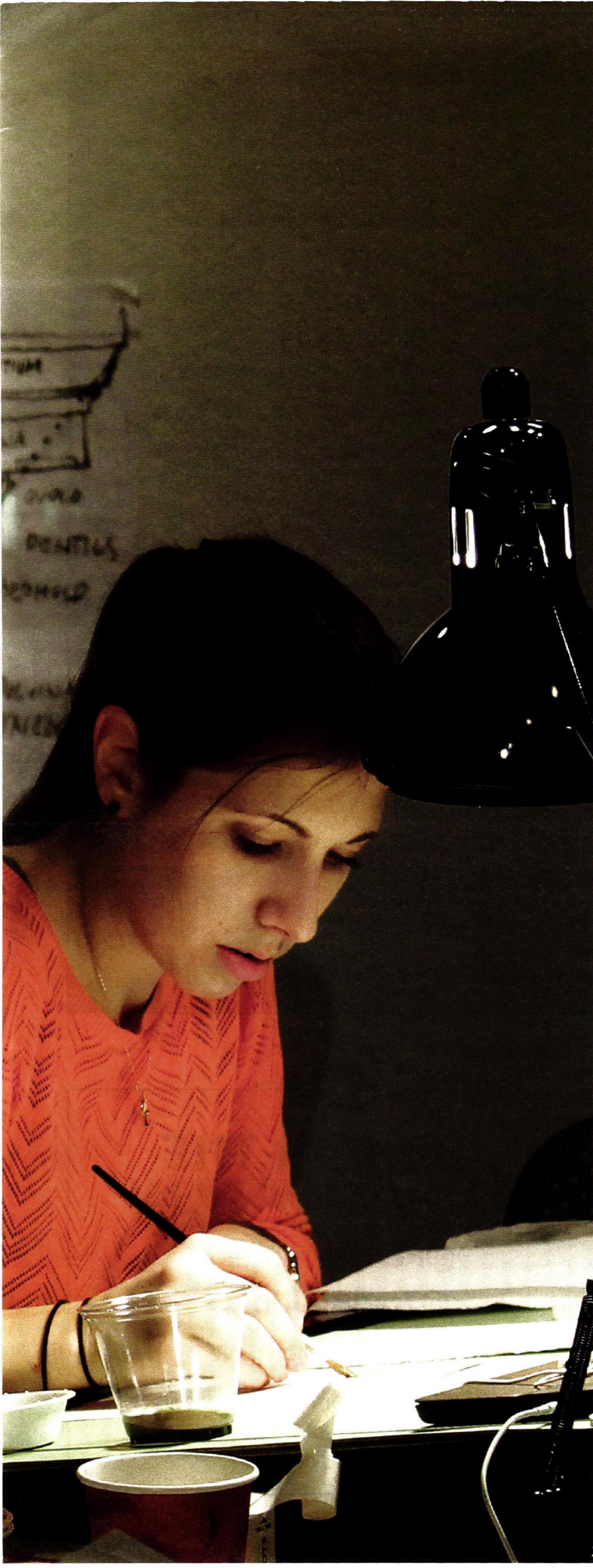
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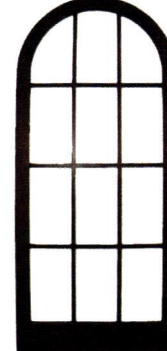
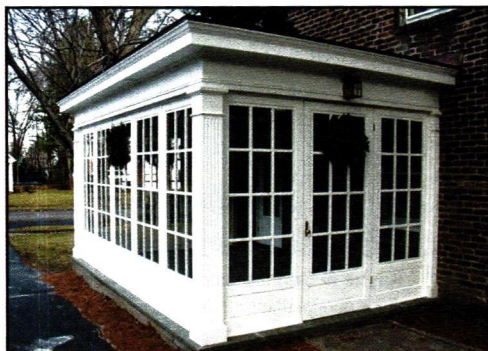


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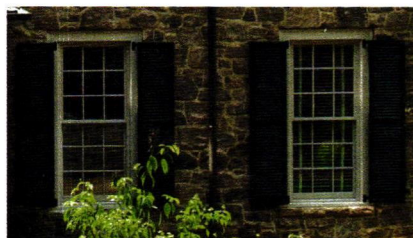


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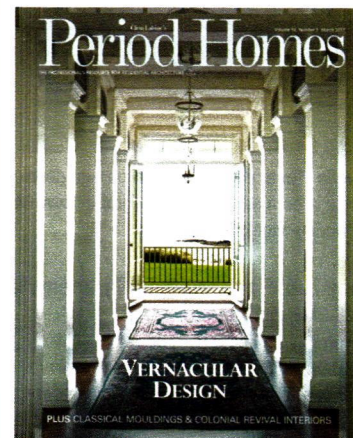
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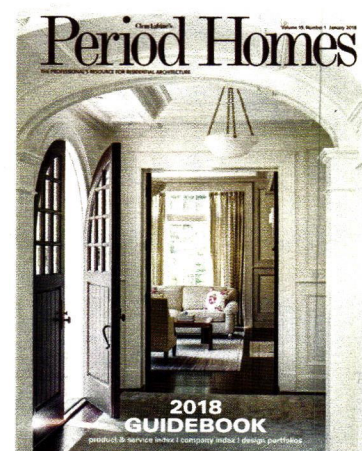


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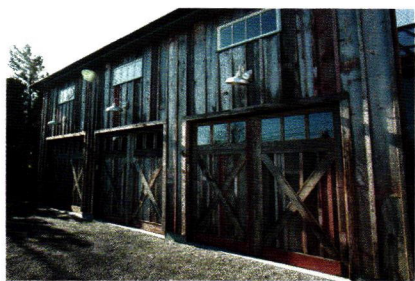
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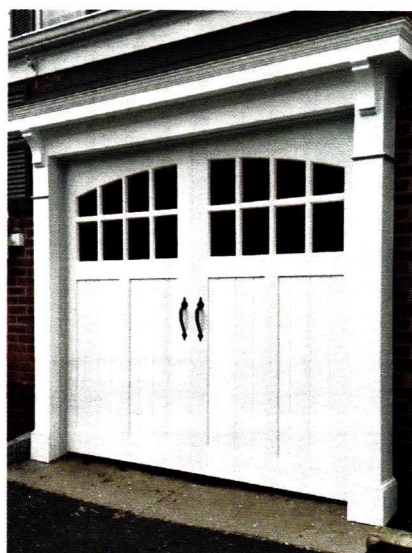
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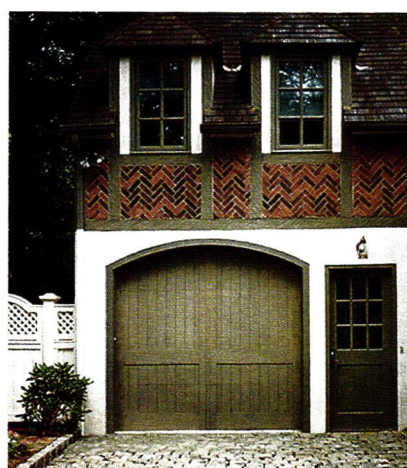
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This garage door was fabricated by **Hahn's Woodworking** in western red cedar.

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Kayne & Son fabricated the hardware for these garage doors.

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www.customforgedhardware.com

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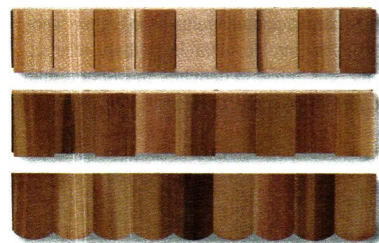
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Supplier of FSC-certified & recycled forest products: dimensional lumber, decking, timbers, beams, siding, hardwood & softwood veneers, flooring, paneling & trim; from Pacific Northwest & British Columbia; many species.



Handy Panels from **Cedar Valley** are hand-crafted with kiln-dried Western red cedar shingles mounted over an integrated fiberglass moisture barrier onto plywood backing.

Cedar Valley Mfg.

800-521-9523; Fax: 831-636-9035

www.cedar-valley.com

Hollister, CA 95023

Producer of premium-grade architectural cedar shingle siding panels: in exposures of 4, 5 or 7 in.; straight or staggered butt lines; custom matching of shapes & styles available.

NuCedar Mills, Inc.

413-593-8883; Fax: 413-593-8955

www.nucedar.com

Chicopee, MA 01022

Manufacturer of cellular PVC cladding products that replicate the look of cedar: siding, trimboard, molding & architectural components; Smooth, CedarGrain & RoughSawn finishes; 22 standard & 1,400 custom color combinations.

Teal Cedar Products

604-587-8700; Fax: 604-581-4104

www.tealcedar.com

Surrey, BC V4N 4M8

Manufacturer of shakes and shingles: modern & heritage products; for roofing & siding; Western red cedar; remanufactured shingles & classic-butt shingles.

Vinyl Siding Institute

202-587-5100; Fax: 202-587-5127

www.vinylsiding.org

Washington, DC 20005

Association of vinyl & polymeric siding manufacturers & suppliers to the industry: sponsors product & installation certification programs.

www.period-homes.com

PORCHES, DECKS & PORCH PARTS



Aeratis solid PVC tongue-and-groove porch flooring was chosen for this home due to its durability and ability to hold paint colors and still maintain its warranty—and it is the only product that maintains its warranty when installed in a waterproof application.

Aeratis Porch Products

888-676-2683; Fax: 480-907-1124

www.aeratis.com

Chandler, AZ 85248

Aeratis Traditions solid PVC tongue-and-groove porch flooring is a paint ready alternative to wood decking. The flooring is highly durable and has the ability to hold paint colors as dark as black and still maintain its warranty—and it is the only product that maintains its warranty when installed in a waterproof application. Repainting cycles are typically every 7 to 10 years in high traffic areas. It is also warranted against expansion and contraction.



Amish Made Oldewood provides wood for flooring, siding, timbers and millwork.

Amish Made Oldewood Ltd.

330-400-7242

1445 Lawler Avenue

Akron, OH 44314

Amish made heirloom furniture, wide plank flooring, decking, custom doors, baseboard, custom trim, period style custom kitchens and baths. All products are made of reclaimed hardwoods from century barns. World class craftsmanship.

HB&G

800-264-4424; Fax: 334-566-4629

www.hbgcolumns.com

Troy, AL 36081

Manufacturer of PermaPorch system: load-bearing PermaCast columns, PermaWrap columns, grand balustrade systems, PermaPorch & deck railings, load-bearing PermaPost porch posts, PermaCeiling & medallions.



Porch products are available from **HB&G** in polyurethane, FRP, pine and redwood.

Nostalgic Porch Swings Co., LLC

717-209-7014; Fax: No fax

www.nostalgicporchswings.com

Lancaster, PA 17603

Manufacturer of historically styled porch swings; handcrafted in Western red cedar & stainless steel fasteners; a variety of sizes & finishes available.



Passaic Millwork created this reproduction exterior rail system for a home in Ridgewood NJ.

Passaic Millwork

973-210-1862; Fax: 973-458-0431

www.passaicmillwork.com

Haledon, NJ 07508

Manufacturer of circular, elliptic, spiral, curved & straight stairways: rails & parts; columns, moldings, radius work, turnings & fluting to 12 ft.; clear & finger-joint pine moldings; poplar & oak.

Call for more information.



Vintage Doors supplies complete pitch screen systems.

Vintage Doors

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

www.vintagedoors.com

Hammond, NY 13646

Custom manufacturer of authentic solid wood doors: handcrafted by expert craftsmen in any design, size & shape; entrance doors; interior doors; Dutch doors; screen & storm doors; three-season porch panels; pet doors & gates; garden gates & much more; proudly made in USA; nationwide delivery.

Call for more information.

Staircases & Handrails

manufacturing

Straight • Circular • Spiral • Elliptic

Custom Mouldings

Interior/Exterior • Solid • Radius

Millwork • Rail Parts • Turnings • Doors

Hardwood/Plywood Lumber Cut to Size

973-210-1862 passaicstair@aol.com

8 Harris Street Haledon, NJ 07508

www.PassaicStair.com



Newel posts and balusters from **Vintage Woodworks** are turned from clear, solid, kiln-dried western hemlock.

Vintage Woodworks

903-356-2158; Fax: 903-356-3023

www.vintagewoodworks.com

Quinlan, TX 75474

Supplier of Victorian millwork: western red cedar shingles, porch parts, columns, turned & sawn balusters, railings, brackets, gazebos, cornices, corbels, spandrels, mantels, storm & screen doors & more.



This screened-in porch was supplied by **Vixen Hill**.

Vixen Hill - Porch Systems

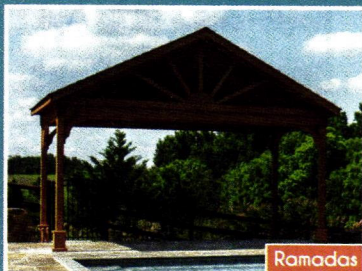
800-423-2766; Fax: 610-286-0051

www.vixenhill.com

Elverson, PA 19520

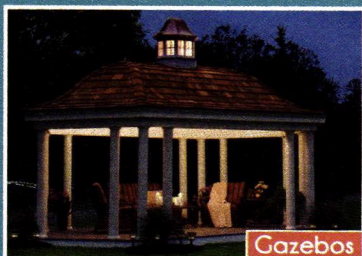
Supplier of modular cedar porch systems: interchangeable screens & optional storm glass; variety of architectural inserts.

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We Ship Worldwide



Garden Bridges

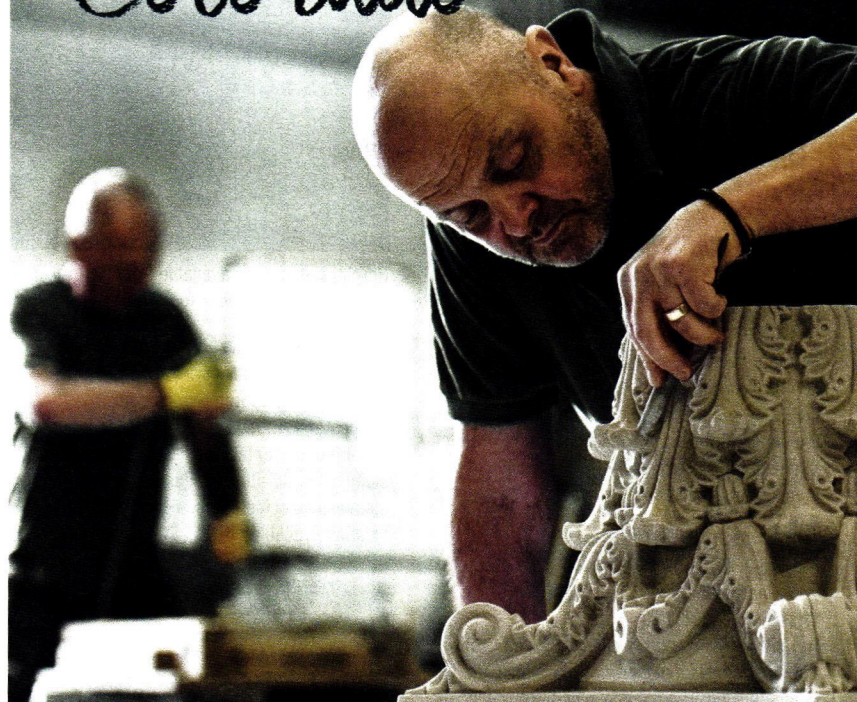
Custom Designs



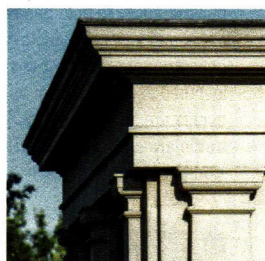
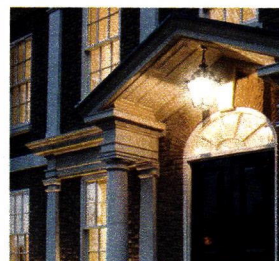
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& GARDEN
SPECIALTIES



A wide variety of zinc planters and other garden ornaments are available from **Authentic Provence**.

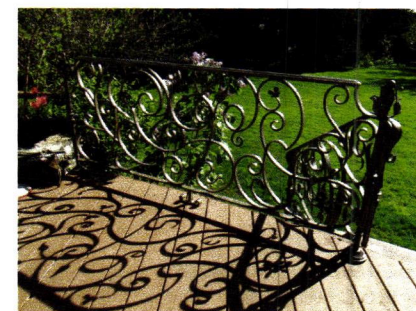
Authentic Provence, Inc.

561-805-9995; Fax: 561-805-5730

www.authenticprovence.com

West Palm Beach, FL 33405

Importer of authentic French & Italian garden antiques: hand-sculpted fountains in French limestone & Italian marble, mantels, statuary, reliefs, sundials, urns, tables & benches; terra-cotta, lead & zinc planters & more; pavilions.



Decorative garden railings are the specialty of **Bill's Custom Metal**.

Bill's Custom Metal Fabrications

516-333-3562; Fax: Same as phone

www.ironcrafters.com

Westbury, NY 11590

Manufacturer of hand-forged ornamental iron-work: garden furniture, gazebos, gates, railings, furniture, fireplace doors & candelabras; servicing the Long Island & tri-state areas.

Call for more information.

Fifthroom.com

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

www.fifthroom.com

Gibsonia, PA 15044

Supplier of indoor & outdoor furniture, landscape structures & garden specialties: arbors, gazebos, pergolas, cabanas, pool houses, patio furniture, planters & more.

Call for more information.

HARTLEY BOTANIC

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See our advert on page 3

www.hartley-botanic.com



Bespoke Greenhouse, West Yorkshire, UK

Haddonstone (USA), Ltd.

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

www.haddonstone.com

Pueblo, CO 81001

U.S. based manufacturer of landscape ornament & architectural cast stonework: planters, fountains, sundials, statues, garden furniture, balustrades, gazebos, follies, columns, porticos, doors & window surrounds, cornices, molding, mantels & more; custom components.

Call for more information.

Hartley Botanic Inc.

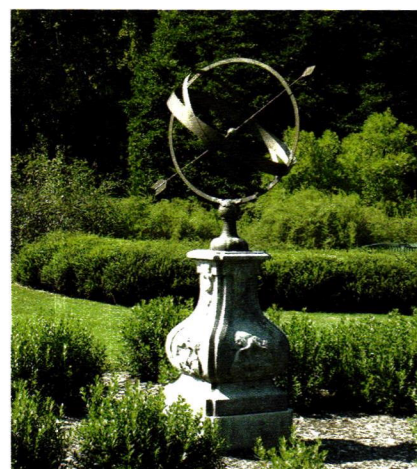
781-933-1993; Fax: 781-933-1992

www.hartleybotanic.com

Woburn, MA 01801

Manufacturer of custom greenhouses, Hand made to order in England for over 75 years, supplying residences and horticultural institutes around the world.

Call for more information.



This iconic reproduction sundial from **Heritage Metalworks**, is handmade with cast bronze and architectural brass and displayed as both decorative and functional in the Winterthur Museum's Sundial Garden.

Heritage Metalworks

610-518-3999; Fax: 610-518-7264

www.heritage-metalworks.com

Downingtown, PA 19335

Atelier of skilled blacksmiths & craftsmen: exclusively to trade; lighting, hardware, gates & railings; custom & signature lines available in iron, brass, bronze, copper, nickel, zinc & stainless steel.

Call for more information.



The Classic Bench is model #C06 from **Stone Forest**.

Stone Forest

888-682-2987; Fax: 505-982-2712

www.stoneforest.com

Santa Fe, NM 87501

Manufacturer, custom fabricator & distributor of handcrafted stone garden ornament: granite pavers, garden & wall fountains, planters, urns, benches, lanterns, stone tubs & rustic stone & copper sinks; carved natural stone.

Telescopes of Vermont

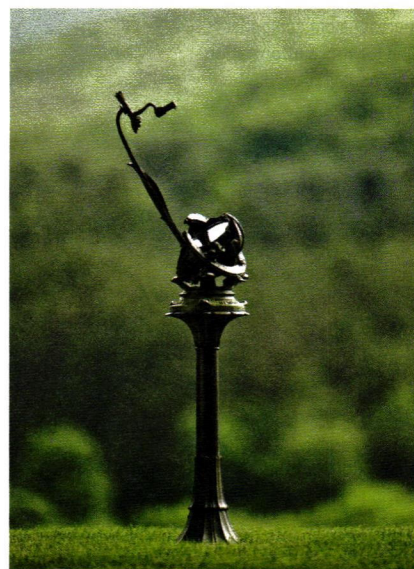
617-899-9444

www.gardentelescopes.com

Norwich, VT 05055

Re-creators of the Porter Garden Telescope in hand-finished cast bronze, with improved 21st century optics.

Call for more information.



Shown here is the Porter Garden Telescope in hand-finished cast bronze, with improved 21st century optics by **Telescopes of Vermont**.

The Porter Garden Telescope

A Historic Marriage of Art & Science

This fine art bronze telescope and sundial is a permanent outdoor centerpiece.

Available in a limited edition from
Telescopes of Vermont

www.telescopesofvermont.com

617-899-9444



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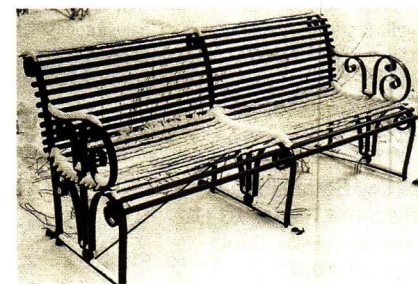


This elegant cast-stone bench from **Haddonstone** incorporates a paneled back, scrolled arm rests, chimera supports and an egg-and-dart seat top.

Haddonstone (USA), Ltd.
719-948-4554; Fax: 719-948-4285
www.haddonstone.com
Pueblo, CO 81001

U.S. based manufacturer of landscape ornament & architectural cast stonework: planters, fountains, sundials, statues, garden furniture, balustrades, gazebos, follies, columns, porticos, doors & window surrounds, cornices, molding, mantels & more; custom components.

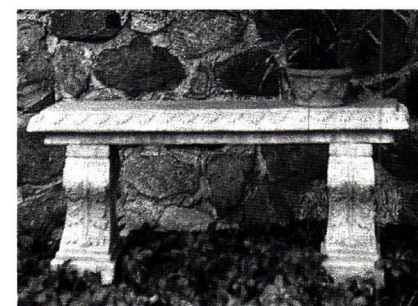
Call for more information.



John F. Graney Metal Design replicated an original 1910 bench for a site in Madison, Wis.

Oxford Garden
877-866-8331; 502-939-3027; Fax: 502-719-8888
www.oxfordgarden.com
Louisville, KY 40299

Manufacturer of outdoor furnishings using Shorea wood & stainless steel hardware: benches, garden furnishings, planters & waste containers.

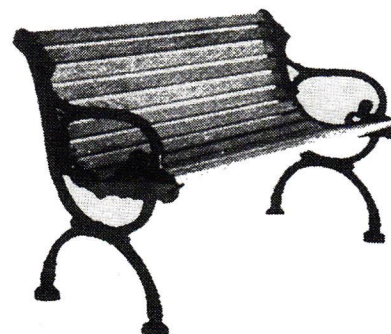


Seibert & Rice's terra-cotta garden bench features an acanthus motif and foliate details.

Seibert & Rice, Inc.
973-467-8266; Fax: 973-379-2536
www.seibert-rice.com
Short Hills, NJ 07078

Importer of terra-cotta benches, planters, urns & ornament: handmade in Impruneta, Italy; fine detailing, frost-proof, extensive inventory & custom capabilities.

Call for more information.



This Victorian II Bench from **Herwig Lighting** is available in a 4' Overall Length w/ center support.

Herwig Lighting
800-643-9523; Fax: 479-968-6422
www.herwig.com
Russellville, AR 72811

Custom manufacturer of handcrafted interior & exterior lighting fixtures & more: cast-aluminum benches, bollards, fences, gates, plaques, signage, street clocks, posts to 14 ft. & columns; since 1908.

Call for more information.

Historical Arts & Casting, Inc.
800-225-1414; Fax: 801-280-2493
www.historicalarts.com
West Jordan, UT 84081

Designer & custom fabricator of ornamental metalwork: benches, columns, balustrades, lighting, gazebos, fencing, grilles, doors, windows, skylights, finials & more; cast iron, bronze, aluminum & wrought iron/steel; many styles; restoration services.

John F. Graney Metal Design, LLC
413-528-6744; Fax: 413-528-6749
www.graneymetaldesign.com
Sheffield, MA 01257

Custom fabricator of forged metalwork in Classical & other styles: benches, gazebos, railings, gates, entryways, garden furniture & fireplace tools; gold-leaf & exotic finishes; design & installation service; historical restoration.

Wiemann Metalcraft
918-592-1700; Fax: 918-592-2385
www.wmcraft.com
Tulsa, OK 74107

Designer, fabricator, finisher & installer of custom ornamental metalwork: serves a national market with stairs & railings, fencing, gates, lighting, grilles, entry doors, gazebos, balconies, site furnishings & more; all cast- & wrought-metal alloys, finishes & architectural styles; since 1940.

Call for more information.

Woodway (LW0)
503-286-5372
www.woodwayproducts.com
Portland, OR 97217

Supplier of specialty wood products: Architectural Deck Rail, pre-assembled EZ Rail, interior wood paneling, benches, arbors, trellis, lattice, wood & glass post caps, post sleeves, fencing & deck accessories.

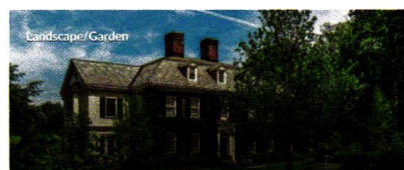
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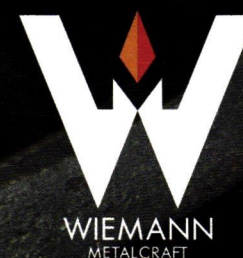


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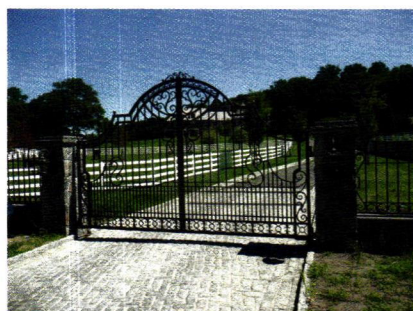
At Wiemann Metalcraft, we've stood by our word for over 77 years. So when we tell you we can handle a seemingly impossible job, you can believe it. Simply put, when others can't,

WIEMANN CAN.



639 West 41st Street, Tulsa, Oklahoma 74107 Phone (918)592-1700 Fax (918)592-2385 Email sales@wmcrafft.com

FENCES & GATES



This gate was fabricated by **Bill's Custom Metal**.

Bill's Custom Metal Fabrications

516-333-3562; Fax: Same as phone
www.ironcrafters.com

Westbury, NY 11590

Manufacturer of hand-forged ornamental ironwork: garden furniture, gazebos, gates, railings, furniture, fireplace doors & candelabras; servicing the Long Island & tri-state areas.

Call for more information.

Heritage Metalworks

610-518-3999; Fax: 610-518-7264
www.heritage-metalworks.com
Downingtown, PA 19335

Atelier of skilled blacksmiths & craftsmen: exclusively to trade; lighting, hardware, gates & railings; custom & signature lines available in iron, brass, bronze, copper, nickel, zinc & stainless steel.

Call for more information.



This fence, constructed of tapered pickets, was forged by **King Architectural Metals**.

King Architectural Metals

800-542-2379; Fax: 800-948-5558
www.kingmetals.com
Dallas, TX 75228

Wholesale supplier of ornamental & architectural metal components: for wrought-iron staircases, handrails, gates, fences, mailboxes, doors, screens, awnings & fireplace screens; finials; decorative elements.

Call for more information.

Romancing The Woods, Inc.

845-246-6976
www.romancingthewoods.com
Saugerties, NY 12477

Manufacturer of rustic wood furniture, stairs, railings, fencing, balusters, gates, garden & woodland structures, benches, ornamental bridges, summer houses, arbors, conservatories, porch parts, gazebos, pergolas & pavilions.



KING ARCHITECTURAL METALS

800.542.2379 / KINGMETALS.COM



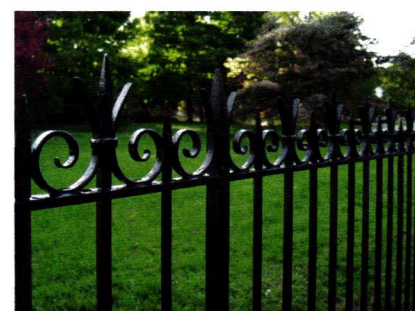
Romancing The Woods fabricates custom fencing and gates to coordinate with the picturesque style of 19th-century parks and gardens.

Wiemann Metalcraft

918-592-1700; Fax: 918-592-2385
www.wmcrafft.com
Tulsa, OK 74107

Designer, fabricator, finisher & installer of custom ornamental metalwork: serves a national market with stairs & railings, fencing, gates, lighting, grilles, entry doors, gazebos, balconies, site furnishings & more; all cast- & wrought-metal alloys, finishes & architectural styles; since 1940.

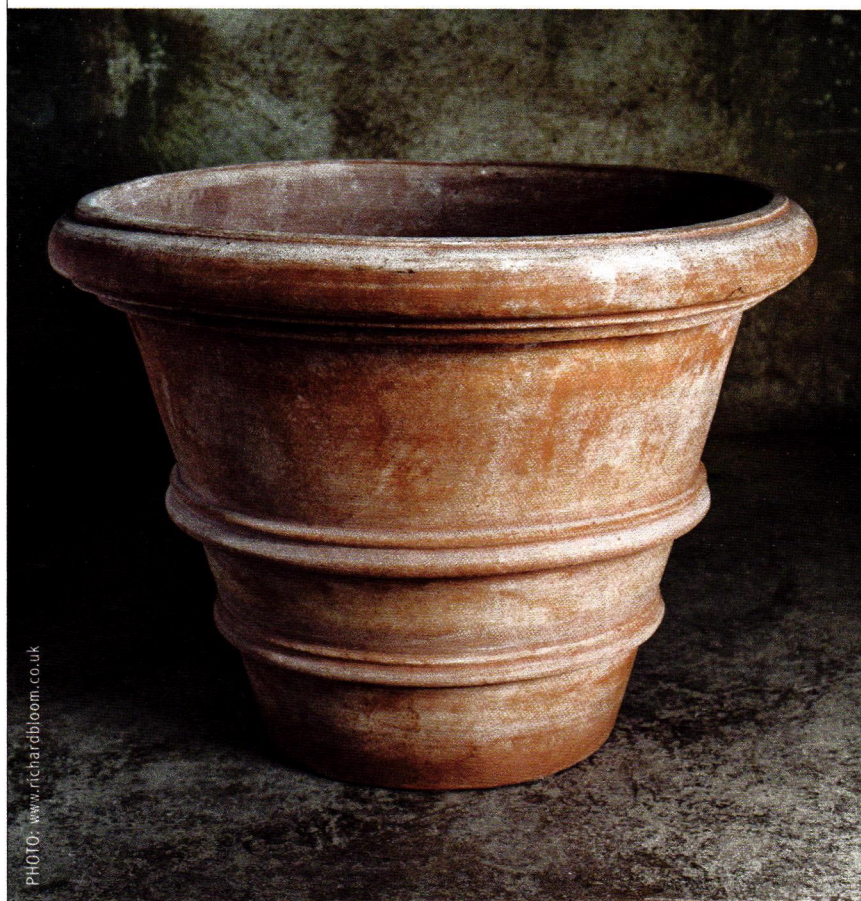
Call for more information.



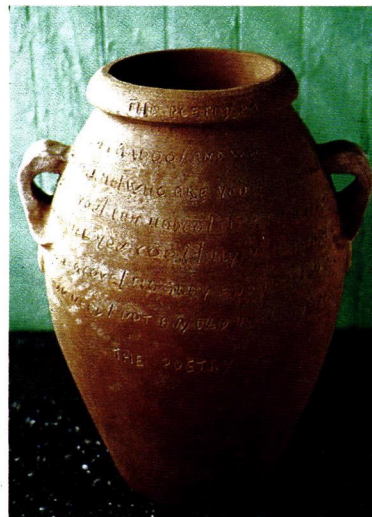
This custom fence was designed and fabricated by **Wiemann Metalcraft** using solid-bar steel; to ensure longevity, it was galvanized before urethane coating was applied.

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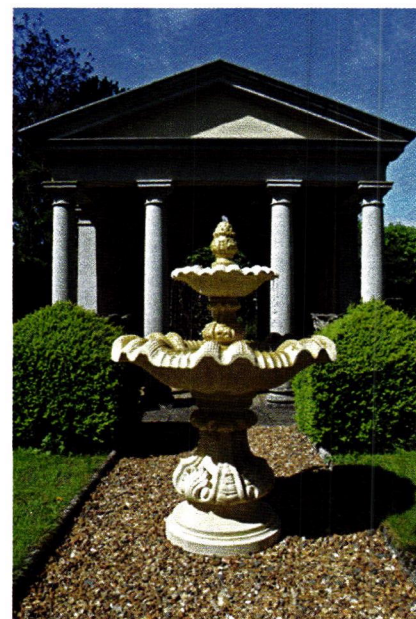
Schiff Architectural Detail, LLC
617-887-0202; Fax: 617-887-0127
www.schiffarchitecturaldetail.com
Chelsea, MA 02150
Foundry, forge & fabrication shop: custom castings & non-ferrous forge work; rubber molding & pattern work; custom bowl fountains, lanterns, lampposts, benches, pipe-&-ball fencing, plaques, urns, gazebos & arbors; restoration work.



The Poetry Pot from **Seibert & Rice** was designed by artist and gardener Robert Dash.

Seibert & Rice, Inc.
973-467-8266; Fax: 973-379-2536
www.seibert-rice.com
Short Hills, NJ 07078
Importer of terra-cotta benches, planters, urns & ornament: handmade in Impruneta, Italy; fine detailing, frost-proof, extensive inventory & custom capabilities.
Call for more information.

FOUNTAINS & WATER FEATURES



Napoli fountain and temple fabricated by **Haddonstone**.

Haddonstone (USA), Ltd.
719-948-4554; Fax: 719-948-4285
www.haddonstone.com
Pueblo, CO 81001

U.S. based manufacturer of landscape ornament & architectural cast stonework: planters, fountains, sundials, statues, garden furniture, balustrades, gazebos, follies, columns, porticos, doors & window surrounds, cornices, molding, mantels & more; custom components.
Call for more information.

PLANTERS & URNS



This cast-stone planter from **Haddonstone** is based on a design by Mary Watts for the Compton Potters' Arts Guild.

Haddonstone (USA), Ltd.
719-948-4554; Fax: 719-948-4285
www.haddonstone.com
Pueblo, CO 81001
U.S. based manufacturer of landscape ornament & architectural cast stonework: planters, fountains, sundials, statues, garden furniture, balustrades, gazebos, follies, columns, porticos, doors & window surrounds, cornices, molding, mantels & more; custom components.
Call for more information.



Kenneth Lynch & Sons manufactures planters in cast stone, lead and bronze.

Kenneth Lynch & Sons, Inc.
203-264-2831; Fax: 203-264-2833
www.klynchandsons.com
Oxford, CT 06478

Manufacturer of Classical garden ornament: wall & tiered fountains, Classical & Oriental statuary, park benches, birdbaths, topiary/arbores, sundials, finials & planters; cast stone, lead, copper & bronze; copper weathervanes.



The design of the Orcio a Becco is based on a fifth-century urn; this handmade terra-cotta urn is imported from Impruneta, Italy, by **Tuscan Imports**.

Tuscan Imports, Inc.
843-667-9101; Fax: 803-753-9922
www.tuscanimports.com
Florence, SC 29505
Importer of handcrafted terra-cotta elements: planters, urns, fountains, benches & statuary from Impruneta & Sienna; distributors of hand-painted volcanic-rock tables.

Walpole Outdoors
800-343-6948
www.walpolewoodworkers.com
Walpole, MA 02081
Manufacturer & designer of architectural landscape products: cellular PVC & cedar pergolas; railings, arbors, trellises, fencing & garden décor; garden sheds, studios, stables & gazebos; outdoor furniture, planters, mailboxes, flagpoles, cupolas & lanterns.



The 15-hp. Lake Forest model from **Lake Fountains & Aeration** operates up to 40 ft. high with a 50-ft-dia. pattern.

Lake Fountains & Aeration
800-353-5253; 407-324-1515; Fax: 407-324-1344
www.lakefountains.com
Sanford, FL 32771

Manufacturer & supplier of floating fountains: for lakes & ponds; wide variety of spray heights & patterns.

Ponds2go.com
877-752-0889; 856-719-6900; Fax: 856-719-2083
www.ponds2go.com
Barrington, NJ 08007
Supplier of pond products: complete pond kits, filtration, fountains, liners & tubs, plumbing supplies, pumps, replacement parts & waterfalls; books & contractor information.



The charm of floating lilies enhances this water garden by **Ponds2Go.com**.



Bellingrath Gardens and Home near Mobile, AL, features a cast-iron fountain restored by **Robinson Iron** for the public rose garden.

Robinson Iron Corp.

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

www.robinsoniron.com

Alexander City, AL 35010

Manufacturer of historical reproductions: classic Victorian lawn & garden ornament; bronze, aluminum & iron; planters, benches, fountains, columns, street lighting, mailboxes, cupolas & more.



Schwartz's Forge & Metalworks created this wrought-iron fountain and gate combination.

Schwartz's Forge & Metalworks, Inc.

315-841-4477; Fax: 315-841-4694

www.schwartzsforg.com

Deansboro, NY 13328

Custom fabricator of architectural metalwork: straight, spiral & curved stairs; doors, railings, newel posts, lighting, gates, fences, grilles & fountains; forged bronze, monel steel & stainless steel; historic restoration.

Stonesculpt

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

www.customstonecarving.com

East Palo Alto, CA 94303

Sculptor: fountains, stone signs, garden & landscape ornament; traditional styles; stone & marble; custom work.

The Arbor

205-251-0203; Fax: 205-328-1311

www.elegantearthatthehorbor.com

Birmingham, AL 35222

Supplier of landscape fixtures & fountains: garden, wall, floating, pool & geyser fountains; cast bronze, aluminum & stone; cascades & waterfalls; water gardens & supplies; water-control devices; benches & more.

PAVERS



Paving from **Belden Brick** was used to create this decorative pattern.

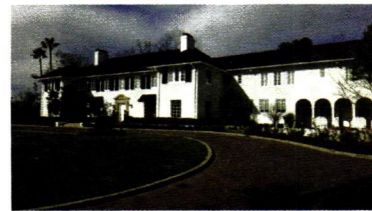
Belden Brick Co., The

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

www.beldenbrick.com

Canton, OH 44702

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



Gavin Historical Bricks supplied its reclaimed Barr street pavers for this driveway in Pasadena, CA.

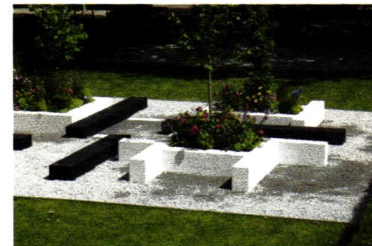
Gavin Historical Bricks, Inc.

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

www.historicalbricks.com

Iowa City, IA 52245

Supplier of authentic antique brick pavers, granite cobblestones, clinker & common brick: custom matching; large quantities; special shapes; hand-molded & face brick; nationwide shipping. Call for more information.



Pavers and garden ornament are specialties of **Haddonstone**.

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

www.haddonstone.com

Pueblo, CO 81001

U.S. based manufacturer of landscape ornament & architectural cast stonework: planters, fountains, sundials, statues, garden furniture, balustrades, gazebos, follies, columns, porticos, doors & window surrounds, cornices, molding, mantels & more; custom components. Call for more information.

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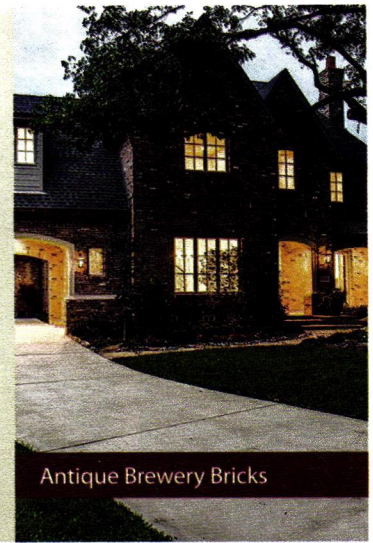
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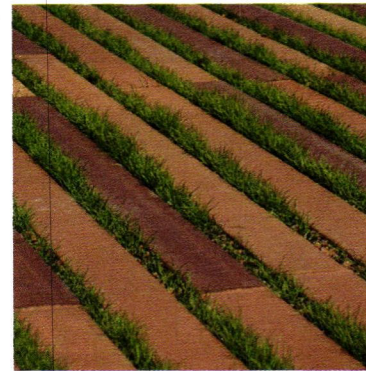
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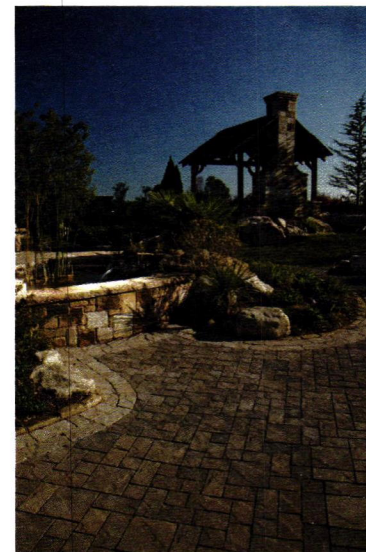
Ludowici Roof Tile, Inc.

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

www.ludowici.com

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Manufacturer of clay roof tile: wide variety of standard shapes, fittings, sizes & colors; matte, gloss, weathered, fire-flashed, sanded & combed finishes; ceramic slate replicas & slate color matching; custom colors & shapes. Call for more information.



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Santafe Tile Corp.

888-305-8453; Fax: 305-888-0050

www.santafetile.com

Miami, FL 33178

Manufacturer of clay brick pavers, clay roof tile & roof tile accessories: matte & gloss finishes; variety of shapes; more than 50 different colors plus custom colors.

Stone Legends

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www.stonelegends.com

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Manufacturer of cast-stone architectural elements: benches, gazebos, pavilions, pavers, columns, balustrades, fountains (garden, wall & pool & geyser), entries & more; planters & urns in all sizes & shapes; cast & carved stone.

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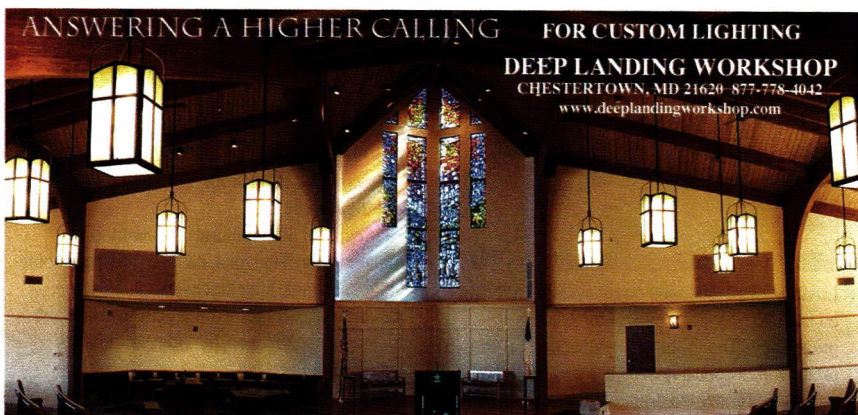


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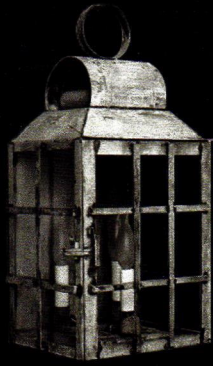
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This model #623 lantern from **Country Traditions** measures 16 in. by 8 in.

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For over 25 years, Country Traditions has produced the finest in Contemporary and Country Lighting Fixtures. Completely hand made in the USA. UL listed. Endless color options and customization. Call for more information.



Designed by Mark Finlay Architects and fabricated by **Deep Landing Workshop**, the model L-9800 stands 29-in. tall and projects 19 in. from the wall.

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

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www.grandlight.com

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

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This wall-mounted lantern from **Josiah R. Coppersmythe** is finished in copper verde and measures 10½ in. wide x 9½ in. deep x 22 in. tall.

Coppersmythe, Josiah R.

800-426-8249; Fax: 508-432-8587

www.jrcoppersmythe.com

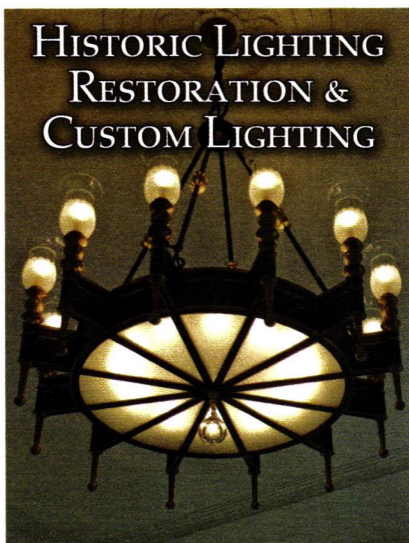
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This English Gas Lantern shown with a bronzed copper finish and standard pendant cluster reflects the craftsmanship of the Scofield collection by **Heritage Metalworks** (photo by Jody Doyle).

Heritage Metalworks

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Supplier of door, window, cabinet, furniture, electrical & bath hardware: original antique & vintage reproductions; Federal, Victorian & Arts & Crafts styles; hardware specialists available to assist with renovation projects.

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The artisans at **Herwig** handcrafted this traditionally styled exterior lantern.

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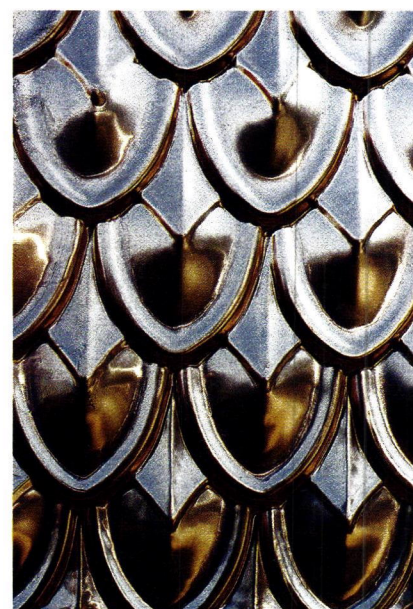
B&B Sheetmetal supplied this louver.

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These roof shingles were fabricated by **Hans Liebscher** in 20-oz. copper.

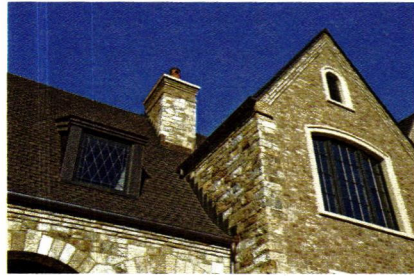
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www.heatherandlittle.com

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This residence is topped with Cotswold, one of the many historic tile profiles from the Ludowici library.

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Call for more information.

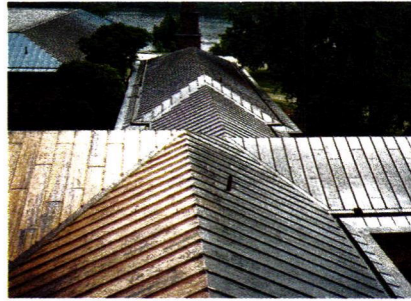
Ornametals Manufacturing, LLC

256-255-0190; Fax: 256-255-0195

www.ornametals.com

Cullman, AL 35058

Manufacturer of decorative architectural products in copper & zinc: finials, weathervanes, radius gutters, waterspouts, medallions, mansards & roofing ornament.



NIKO Contracting Co., Inc. installed this batten-seam and flat-lock copper roof.

NIKO Contracting Co., Inc.

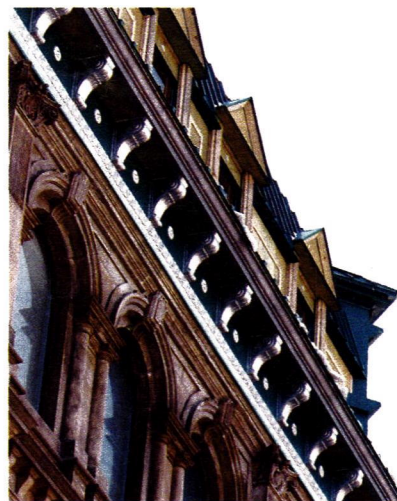
412-687-1517; Fax: 412-687-7969

www.nikocontracting.com

Pittsburgh, PA 15213

Nationwide contractor, fabricator & installer of architectural sheet metal & roofing: slate, tile, metal & other roofing; ornamental ceilings, cresting, finials, cornices, cupolas, domes, steeples & snowguards.

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www.wfnorman.com

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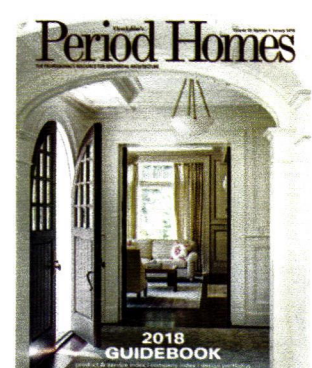
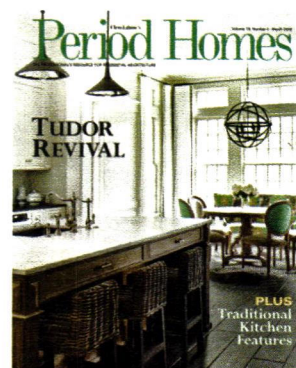
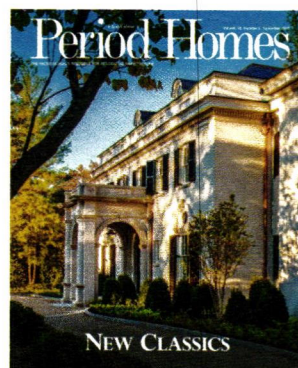
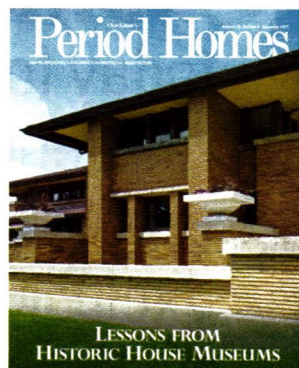
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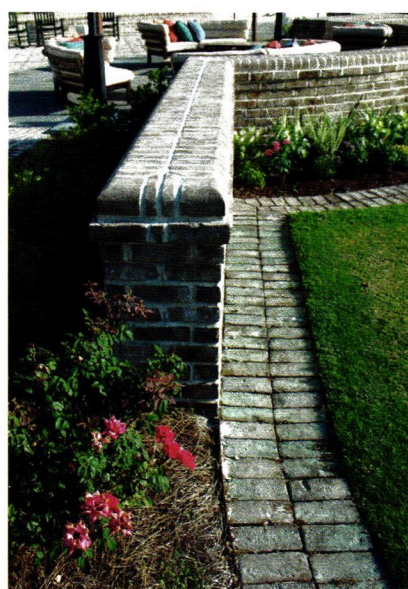


Gavin Historical Bricks supplied its reclaimed Barr street pavers for this driveway in Pasadena, CA.

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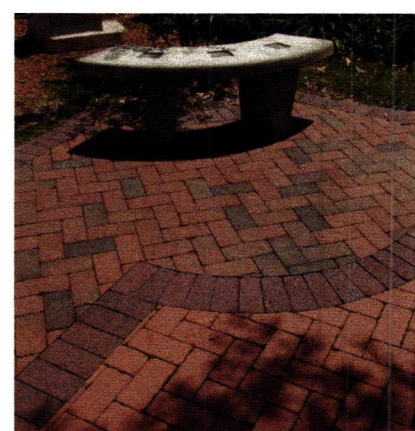
Old Carolina Brick supplied the handmade brick for this walkway and wall.

Old Carolina Brick Co.
704-636-8850; Fax: 704-636-0000
www.handmadebrick.com
Salisbury, NC 28147

Manufacturer of handmade brick, pavers & fire-place fronts: 12 styles of pavers; special shapes, glazed headers & arches; fired with coal to provide bisques & unique colors; custom sizes in any quantity; restoration.

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Manufacturer of pavers, face brick, thin brick & special shapes: 40+ face-brick styles; 60+ clay-paver styles including Rumbled, CityCobble, permeable RainPave & StormPave; since 1922.



Rumbled pavers from **Pine Hall Brick** are made of clay and are tumbled after firing to create an "old world" appearance.



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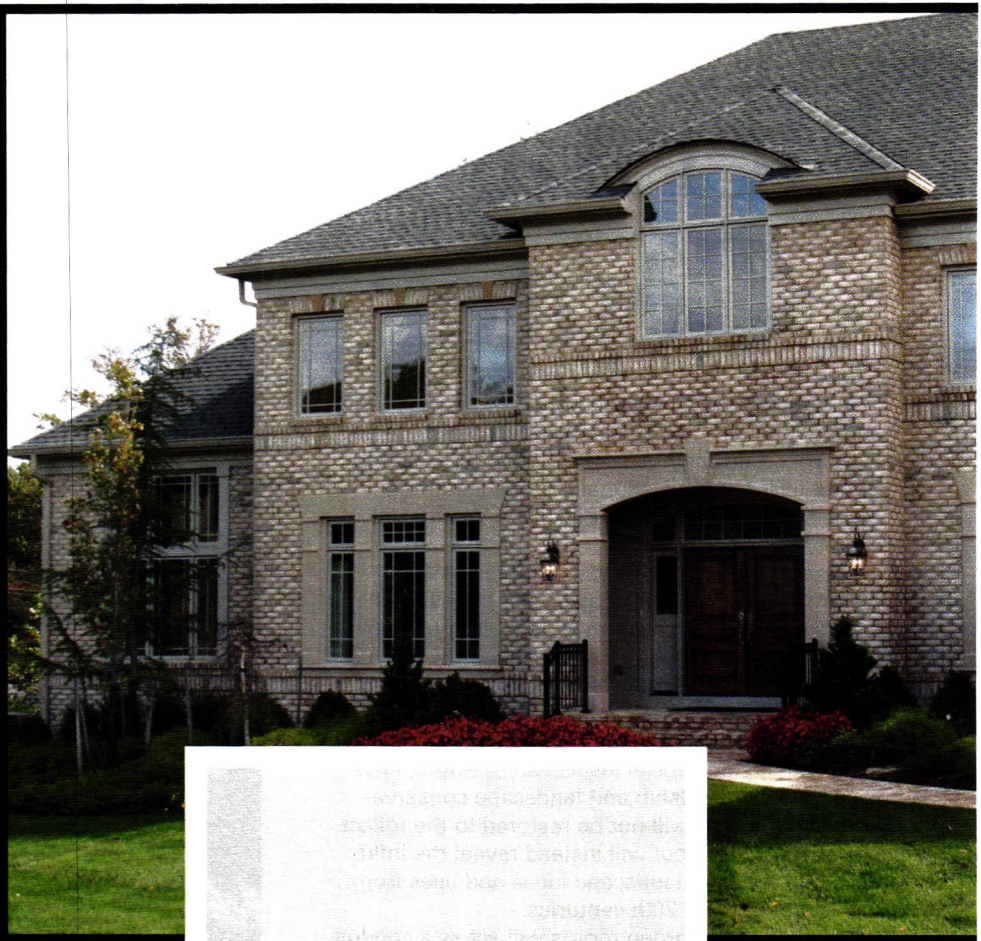
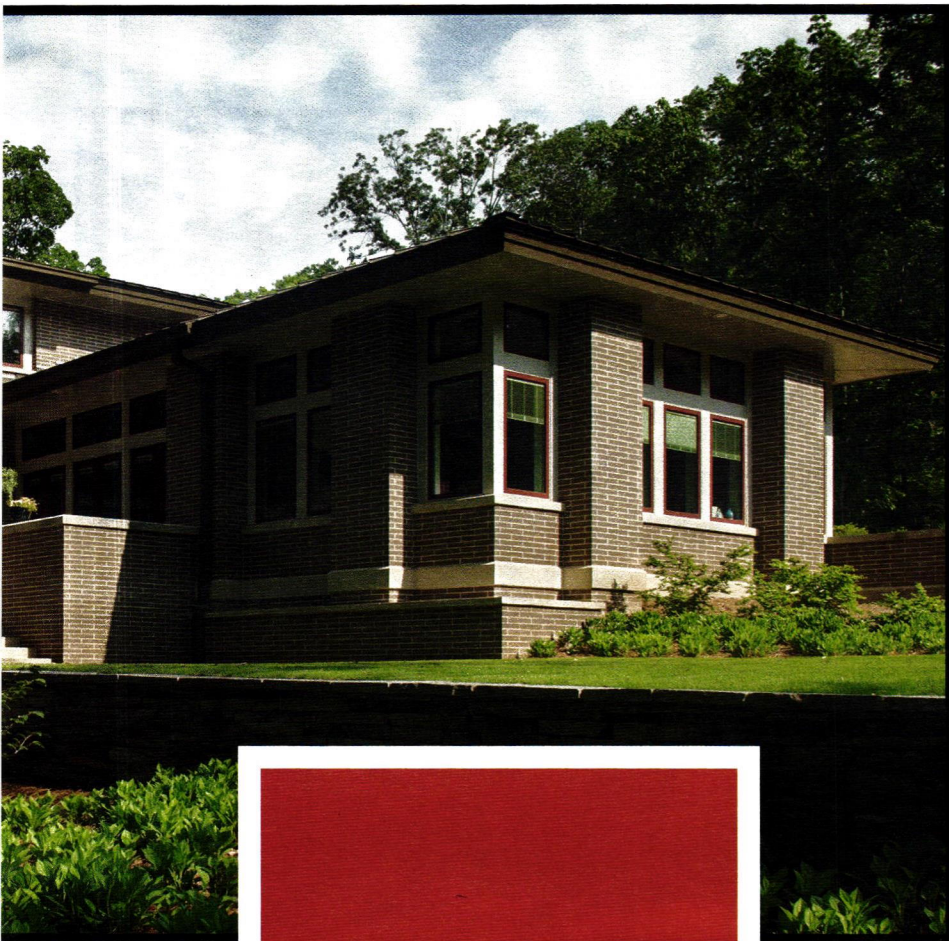


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Jay Heritage Center

THE JAY ESTATE, boyhood home of U.S. Founding Father John Jay, is a 23-acre estate located in Rye, New York. Currently operated by the Jay Heritage Center (JHC), it is a National Historic Landmark owned by New York State Parks and Westchester County Parks.

Nelson Byrd Woltz Landscape Architects is restoring a 3-acre garden, as part of the estate's greater evolution from farmstead to country estate to public park. The design of the garden will serve to activate new programs and experiences at the JHC and facilitate its growth as a vibrant educational campus, and host to innovative programs in American history, social justice, architecture, environmental stewardship and landscape conservation. The gardens will not be restored to the reflect one particular era but will instead reveal the influence of a series of landscape ideas and uses from the 18th, 19th, and 20th centuries.

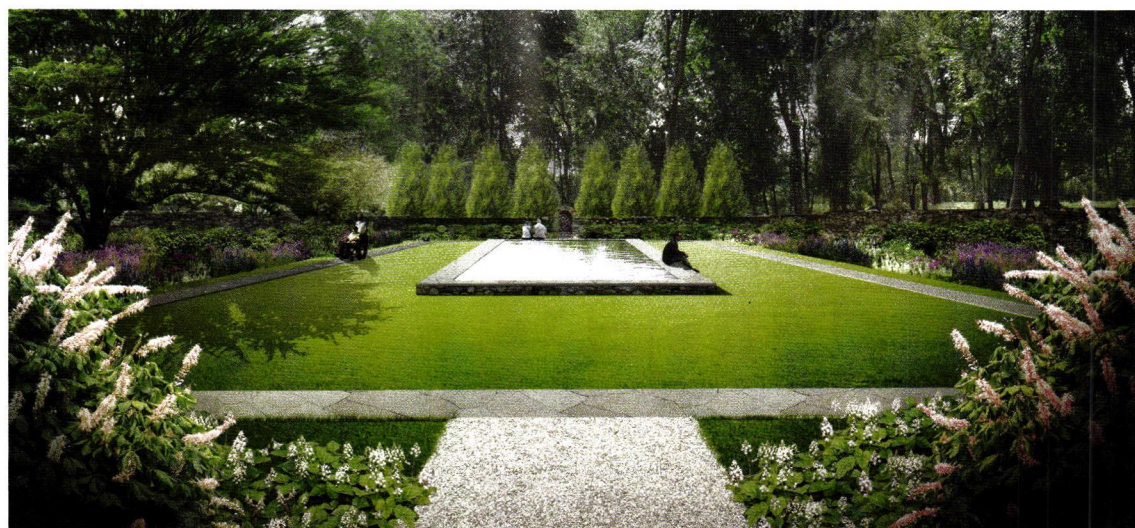
The separate garden rooms will act as a conduit for the many historic and cultural stories emerging from this important place. Each of the rooms is framed by dry-laid stone walls, the earliest of which was built in the late 18th century by the Jay Family. These walls were essentially intact in their original form and required rebuilding by stone artisans only in areas where natural forces—like trees—damaged them.

—Nelson Byrd Woltz

Room 1: Nelson Byrd Woltz's plan for Founding Father John Jay's house in Rye, New York, now called the Jay Heritage Center, includes the Victorian-era parterre gardens, a gathering lawn and vegetable rows shown in this rendering.

Room 2: The reflecting pool at the Jay Heritage Center, shown in a Nelson Byrd Woltz rendering, is surrounded by a shrub and perennial board and features a restored blue-stone path.

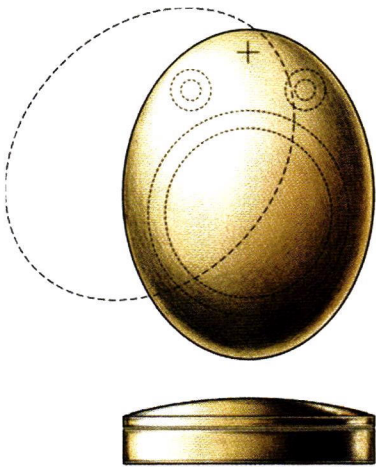
Room 3: The restored rose arbor at the Jay Heritage Center, shown in a rendering by Nelson Byrd Woltz, includes a meadow and lawn panels as well as restored benches.



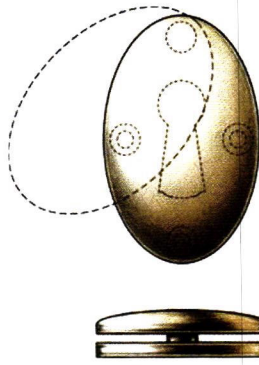
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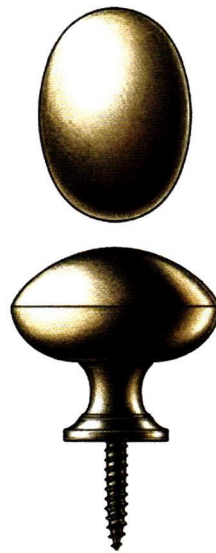
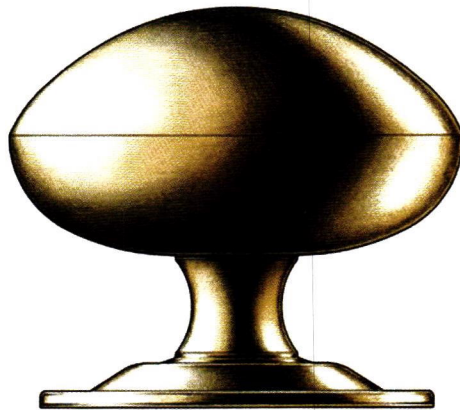
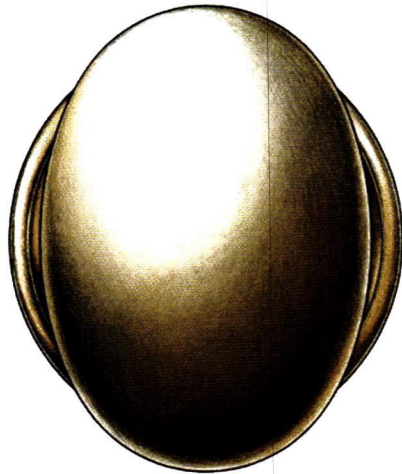
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*Cylindrical Floor Stop
with Trim Ring*

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*"OV" Design Series
W.C. Vaughan Co. Collection*

Door Knobs Available in 2 3/4, 2 1/2, 2 1/4, 2, and 1 3/4 inch Sizes (Nominal) (2 3/4 in. Shown).

Available in 3 inch Diameters for Use as Center Knobs.

Also Available in 1 1/2, 1 1/4, 1, 3/4, and 1/2 inch Sizes (Nominal) for Cabinets and Fine Furniture.

Solid Turned Brass Knob and Rose.

Standard, Custom Plated and Patinated Finishes Available.

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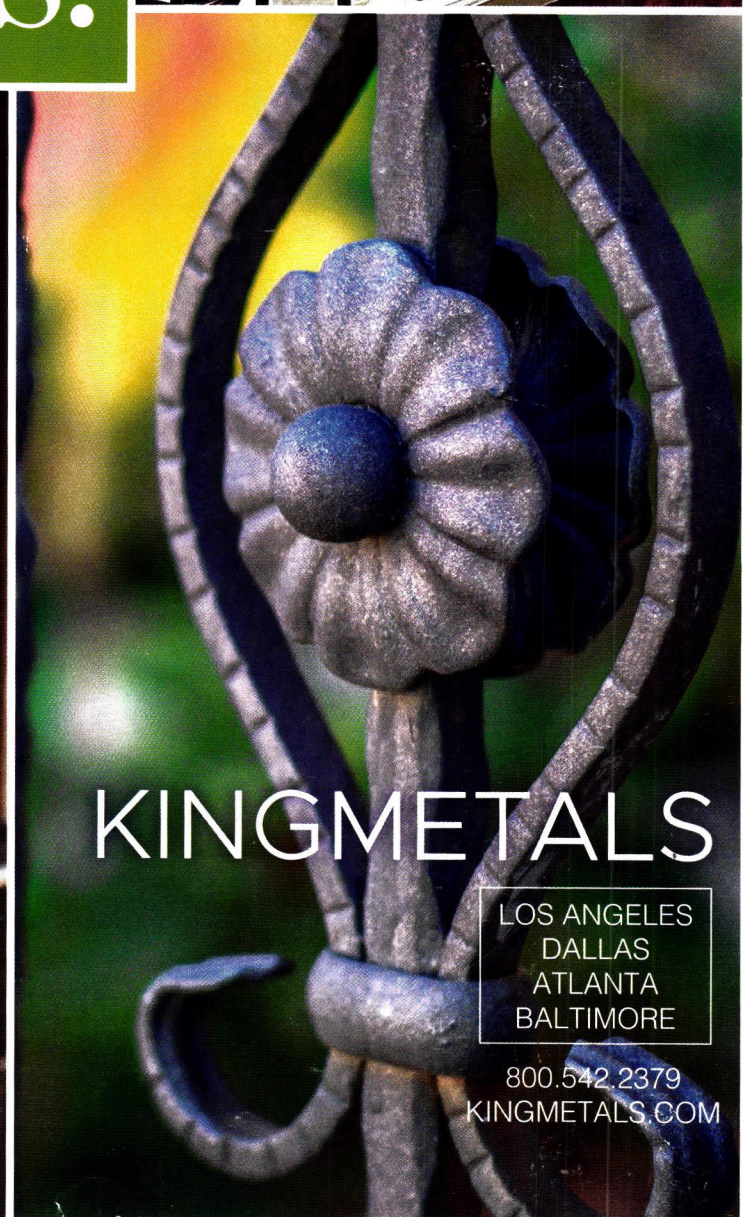
CATALOGUES AVAILABLE TO THE TRADE · SHOWROOMS BY APPOINTMENT ONLY

3/4 Scale

FINE ARCHITECTURAL, BUILDERS' AND CABINETMAKERS' HARDWARE



Details.



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