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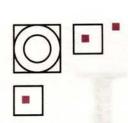
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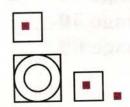
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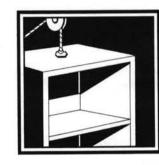
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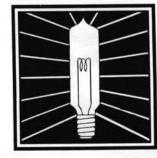
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# **Division 18 BOOK REVIEWS**



IN THE NEWS

Book Reviews .....

ON THE COVER: The revitalization of East Market St., Rhinebeck, N.Y., included rehabilitating storefronts, restoring facades, and upgrading signage. Plantings on the curbside allow shoppers easy access to stores. (Photo: Norman Mintz Design Associates) For more information on restoring Main Street, see our special section, which starts on page 12.

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# Making Oklahoma Main Streets More Than Alright

In the 1960's, Robert Venturi halfheartedly declared that the Main Streets of America were "almost alright." But by now almost all theorists have conceded that, in fact, vibrant Main Streets improve the economic, social, and architectural health of towns small and large. Here's how one branch of the National Trust for Historic Preservation's Main Street Center finds ways to make Main Streets thrive.

### BY EVE M. KAHN

he Main Streets of Oklahoma face problems common to downtowns across America: How to lure locals and tourists away from outlying malls without losing any historic architecture or sense of place. But an upbeat Main Street image is particularly difficult to achieve in Oklahoma—a state where some 900 towns have arisen during land, oil, and mining booms in the past century, and where 250 of those communities are now ghost

In the 22 towns that have benefited so far from the eight-year-old Oklahoma Main Street Program — one of the most energetic and scrupulously design-oriented of the National Trust's 36 Main Street programs — 1,900 new jobs have been created, \$50

The Severs Block in Okmulgee: Built in 1868 and expanded in 1906, the structure was re-clad in the 1950's and '60's with aluminum, stucco, Roman prick, and marble. Restoration workers in 1988-89 saved 90% of the old bricks. Using old photographs, hey also replicated exterior columns and cosettes, as well as original hexagonal floor tiles. Restoration cost: \$351,000.

million in private-sector money has been reinvested, and 1,200 buildings have been restored. "It's an incremental process," says Ronald Frantz, program architect. "You celebrate the smallest of victories, and you build on them."

The office is average in size for a Main Street program: Four employees (Frantz plus director Susie Clinard, assistant director Melody Kellogg, and small towns coordinator Les Hall). The number of Main Streets under its wing is also pretty typical, as is the quantity of new Main Streets (up to five) brought on board each year. What sets Oklahoma's program apart, in addition to the state's distinctive roller-coaster economic history, is the staff's compulsion to share knowledge: "Oklahoma is very good at holding annual meetings and running programs around the state so that as many communities as possible can benefit," says Kennedy Smith, director of the National Trust's Main Street Center.

The Oklahoma office is also especially intent on self-improvement. This summer, for instance, it will be the first Main Street program to link all its communities by computer to each other and to economic-development databases. And the Oklahoma office is particularly strict about never violating either the Main Street tenets of preservation or the four-part recipe of "organization, promotion, design, and economic restructuring." That is, the Oklahoma office, like other Main Street programs, advises the towns it serves to organize and rally civic and business leaders around Main Street; to fashion a Main Street image with advertising and promotional events; to maintain and upgrade the designed environment from curbs to light-pole banners; and to research markets and position merchants accordingly. But demolition, allowed by some Main Street offices, is not an option in Oklahoma.

"The Oklahoma office takes preservation very, very seriously. That's what's best for communities in the long run," says Smith. "Whenever I meet people from Oklahoma, I find they're very aware of the Main Street Program. It's made them much more excited about their communities. It's a source of tremendous pride."

# How Towns Get Started

The Oklahoma Main Street Program receives a dozen applications each year and accepts no more than five. (Main Street programs in a few other states accept all applicants and then "can't provide the level of service we do," says Clinard.) Rejectees usually do not have enough financial support or enthusiasm. Before accepting any town, Main Street staff members look for a substantial number of donors to the Main Street effort. They also visit each business on the main drag, to find out if owners know about the application and are eager to get rolling. "If only a core group of five or six people want to join the program, it isn't going to work," says Clinard. "We'd waste time and money just convincing people that they need this."

The pact between acceptees and program is fairly straightforward. Towns promise to raise money for office expenses and a Main Street manager's salary (a minimum of \$20,000); to write and



The Oklahoma Main Street Program staff, from left to right: Susie Clinard, director; Ron Frantz, architect; Melody Kellogg, assistant state coordinator; Les Hall, small towns coordinator.

execute annual work plans in the four-part formula; and to send the manager to state and national Main Street conferences. (Few Main Street programs require such a high level of travel from Main Street managers; but it ensures, says Clinard, that town leaders recognize all towns have similar problems and learn from each other.) In return, the Main Street staff provides training sessions in theory and practice, unlimited encouragement after every small achievement, advice on everything from awning design to fund-raising and National Register designations, and grants or low-interest loans for restoration and for context-appropriate paint jobs and signage.

Towns also receive Frantz's highly condensed and impossible-to-misconstrue drawings: Each depicts what a building should look like when restored and includes a 60-item checklist of steps needed to get there (e.g., "Sensitively wirebrush all metalwork" and "The contractor shall clean all glass at the end of the job") as well as samples of suitable paint and awning colors — all on one page. The more drawings a town turns into reality, the more drawings it gets. And not every new hinge and cornice return need be museum-quality. Frantz has worked for the program for its entire eight-year existence and "after eight years," he says, "you learn to loosen up."

# The Working Life

In fact, all four Main Street staff members have worked there for all of its eight years. "We're doing what we want to be doing. People in this field tend to really believe in it and stay with it," says Frantz. Twenty weeks on the road per year are expected of staff members. The office, in Oklahoma City, stands not on a Main Street-esque strip but in a 1970's corporate park, close to three interstates. The staff visits not only program applicants and acceptees, but also participants in a new venture called Des-

continued on page 86

# **Architectural Antiques Network Links Dealers and Seekers**

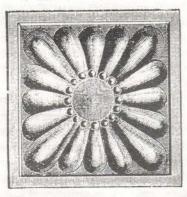
One of the fascinating new businesses to spring up in the historical products field in the past six months is a "finding service" that links architectural salvage dealers with buyers who are searching for specific antique items. Called "Salamander and the Web" (you'll also see their ad elsewhere on this page), the heart of the service is a monthly newsletter that presents "Wanted" and "For Sale" ads from both dealers and prospective buyers. The ads cost as little as \$7.50.

To be eligible to place ads in the monthly newsletter, you need to be a member of the network, which costs \$38 per year. All network members (mainly salvage dealers, renovators, suppliers, architects, and interior designers) then receive the monthly publication, which, in addition to the buy-and-sell ads, also contains articles of interest to salvage dealers and buyers involved with renovation and

Plans are afoot to provide point-of-purchase displays for the network newsletter at architectural antique shops, which will create additional audience for the buyand-sell ads. And the scope of the newsletter is being enlarged to include helpful how-to articles on managing the business side of architectural salvage.

And the unusual name for the newsletter? When asked about it, owner Sally M. Snell replies somewhat delphically: "I am the salamander, and the computer is my

For more information, call 800-984-3932. Or, write to Salamander and the Web, P.O. Box 1834, Topeka, KS 66601. Their FAX is (913) 232-3308. -- CL



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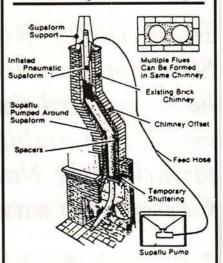
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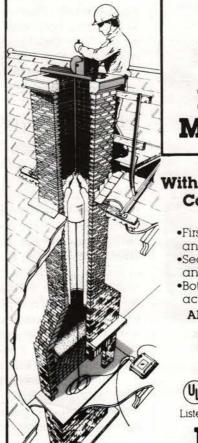
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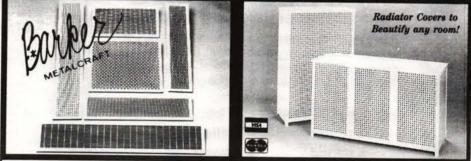
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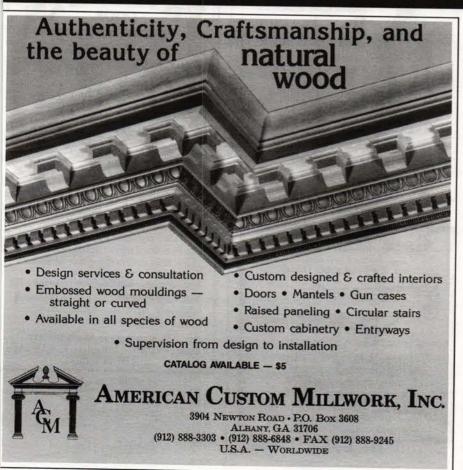
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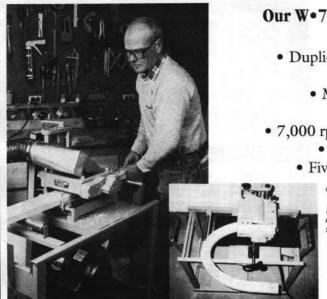
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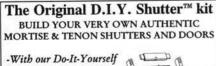
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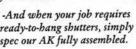
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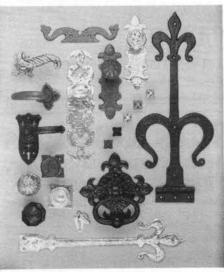
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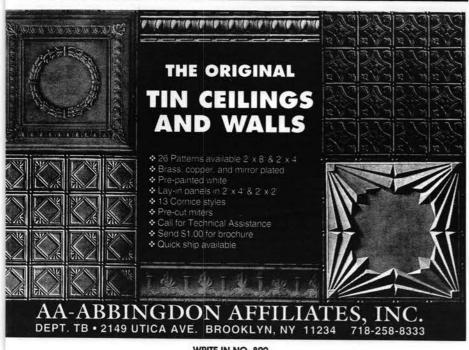


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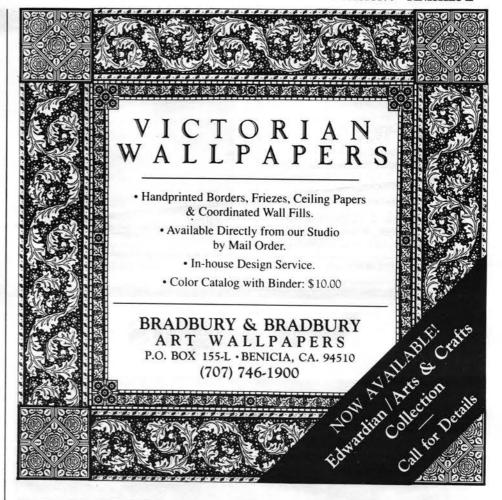
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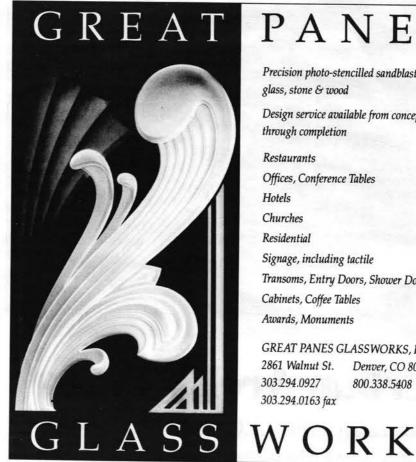
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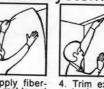




6. Trim mat at outlets, switches,



Apply second coat of saturant to wet mat

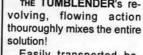




8. Apply 1st coat of saturant to adjacent area



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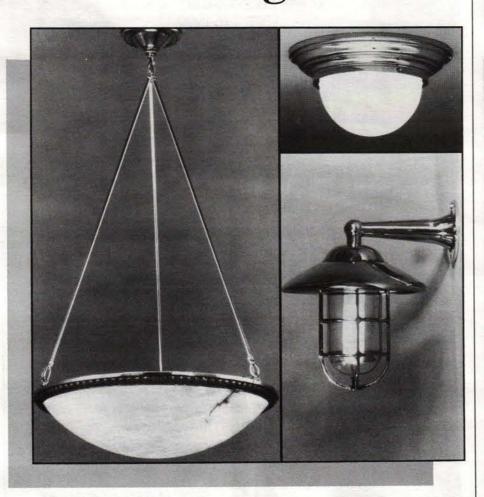
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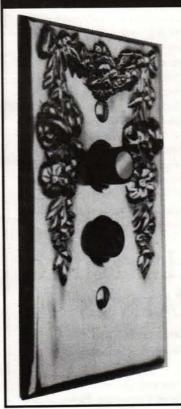


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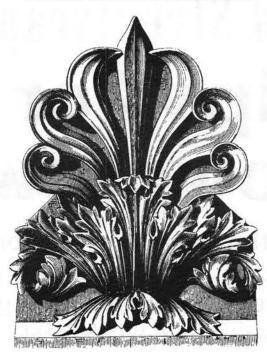
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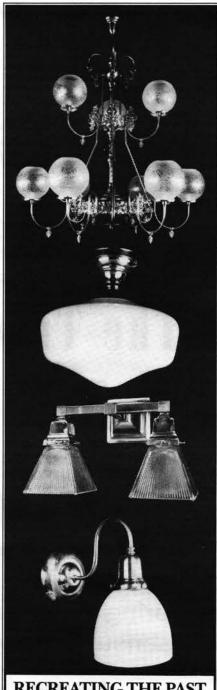


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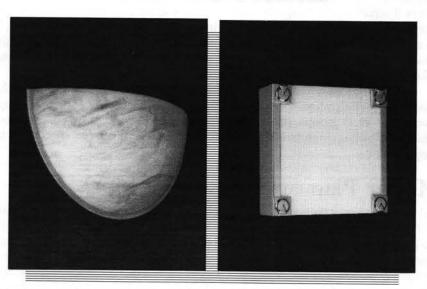
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# Restoring Main Street

There's a fascinating dichotomy developing in American retailing. The malling of America continues unabated — but there are numerous signs of mall saturation. Today, when a new mall opens, it's likely that the bulk of its customers will be drawn not from downtown stores (which had been cannibalized years ago) but rather from other, older malls.

In the meantime, downtown areas that had been sucked dry by earlier mall developments are picking themselves up and planning their recovery. Progressive downtown businesspeople have realized that, although many of their former customers may have been lured away, Main Street business districts retain at least one major asset: The architecture and ambience of

an earlier time. Ironically, Main Street America has the historic architectural assets that many mall designers are frantically attempting to replicate in new developments.

Starting with the pioneering efforts in downtown Corning, N.Y., in the mid 1970's, creative planners and developers across the country have shown how imaginative business plans, built around historic architecture, can generate a vibrant economic environment downtown.

In this report on "Restoring Main Street," we present some design concepts that planners are using successfully today — along with suppliers who can help transform those plans into reality. — CL

# The Traditionally Styled Streetscape: 35 Design Tips For Revitalizing Downtown

Because downtown is the focal point for the economy, history, and architecture of a community, increasing attention is now being paid to restoring an attractive and inviting Main Street. And there's a growing consensus among professionals about what strategies work best.

### ■ BY JUDITH SIEGEL LIEF

All commercial buildings share certain features: Decoration on the cornice or roofline; a transparent storefront level framed by solid shapes; an upper facade with windows (there may be a continuous horizontal line running from building to building); a recessed entry; a display window with bulkhead; transom windows; and a sign-band or recessed area for signage. However, every downtown is unique in its setting, range of architectural styles, historical context, and evolution. Further, downtowns can change from one end of the street to the other; high-end goods and stores with elaborate architecture may give way to mass merchandise and thrift shops with less distinctive architecture.

# "Every ACTION in the downtown will have a REACTION somewhere else." - Kennedy Smith

To begin this streetscape adventure, this Editor contacted a couple of architects I knew had done sensitive Main Street restorations. It didn't take more than one phone call before I was ushered into an enthusiastic and collegial coterie of architects, Main Street managers, downtown development associations, and others. Each one called eagerly shared knowledge and experience and recommended others certain they would be invaluable contacts. And so it went. By no means comprehensive, this report nevertheless contains lots of firsthand, concrete information . . . and ends with a roster of those interviewed, contact information, and some recommended reading.

The most consistent comment — always worth coming back to — was: The process of revitalization should be about *community*. That is, the more people involved — civic groups, politicians, residents, schools, planning boards, local officials, families, merchants, property owners — the more successful the project will be.

# Master Plan or Series of Visions?

Richard Wagner, a Baltimore-based architect, talks about developing a "Series of Visions" rather than a "Master Plan." With the latter, models and renderings are created, which unfortunately don't allow for natural shifts and changes in economy, people, and needs. And the misconception that one must buy in bulk because products and services are "cheaper by the dozen" doesn't make for a winning solution (cheaper up-front costs often translate to high maintenance costs.)

A "Series of Visions" establishes a group philosophy and "road map," thereby allowing design pieces to be filled in over a period of time. To do this, complex environments need to be broken down into smaller areas. Look at the town and see what it NEEDS. Find a focus and a focal point. The streetscape should reflect the nature of the businesses operating there. Notice what the common elements are, and then write design guidelines. New architecture and furnishings should relate to the vocabulary of what was there before or be re-interpreted with more simplified detail.

Other experts teach from their experiences. Steve Farneth, a California architect, suggests taking cues from the streetscape — while not being a slave to it. Modern buildings will always be new; one must allow buildings to reflect their own time, though new buildings can learn from traditional rhythms. Gaines Jontz, of the South Carolina Downtown Development Assn., warns not to erode the original fabric of a town. And in the same office, Ben Boozer speaks of the "process rather than the project." He feels the revitalization should be "grass roots and bottom up." Boozer lists the critical ingredients to a successful downtown revitalization (emphasizing that "money" is not on the list): 1) Vision; 2) Leadership; 3) Public & Private Partnership; 4) Commitment; and 5)

Richard Hersey is a consultant for the Catskill Center for Conservation and Development, Arkville, N.Y., and the Main Street Alliance, Mt. Kisco, NY. He feels rural communities have grown in an organic way, so expensive and quick solutions are foreign to them. Simpler, small-step improvements are also recommended as part of the learning process that nurtures community building.

Janice Pregliasco, in her *Downtown Design Guidelines* (see sidebar on page 16 for more information) affirms, "the essence of downtown is being in an urban area and, as such, should be differentiated from a residential neighborhood." Many are inclined to extend, for example, tree plantings and lighting standard installations every 20 ft. as would be done in the residential part of town. Not only is this unnecessary, but it is not germane to the function of a business district. Downtown is a discrete economic unit and its look should reflect that fact

# Fighting the Malls

There's 17 sq.ft. of retail space for every American; and 80% of the money spent in those spaces is in shopping malls. As a result, Main Streets shouldn't try to compete with malls; they can't measure up to parking convenience and volume of merchandise. Rather, Main Streets should try to capitalize on offering something different: Personal and familiar (local) shopkeepers, a reinvestment in the neighborhood, and a support for the heritage that has built the community. Norman Mintz, a New York City industrial designer and city planner (and the country's first Main Street manager) adds, "Malls can actually *complement* Main Street; they are a reality of shopping in our time."

# Securing Downtown

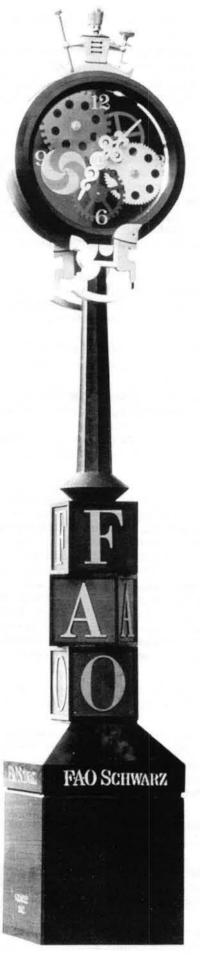
Crime Prevention Through Environmental Design (CPTED) is a national program that encourages architects to design so citizens — *legitimate normal users* — can function safely at street level. Their advice: Include security measures when designing amenities like telephones, rest rooms, and parking. Courtyards should be in public view. Rest rooms, considered unsightly, are often buried in the back of town, under-lit and under-maintained. (See below, under "Rest rooms" and "Telephones.")

Dan Gilmore, at the Florida Crime Prevention Institute, advises planners to analyze the physical environment, particularly in larger cities, where crime

continued on page 14

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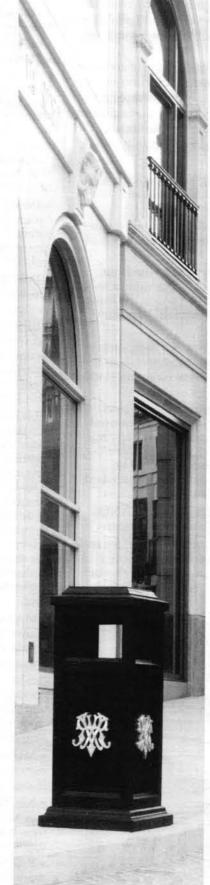
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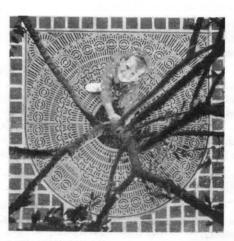
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# TIPS FOR RESTORING MAIN STREET

continued from page 12

is an issue. It recommends establishing good surveillance, high visibility, and controlled access by having the business district monitored and limited with the use of information booths and bollards (to limit vehicular entry). An abundance of vehicles downtown creates a fertile environment for crime (quick access and getaway, anonymity of drivers shielded and protected by the vehicle). On the other hand, car-less downtowns generally do not work; shoppers need easy and convenient access to stores. Above all, work with the local police to determine safe design. When addressed, these issues not only secure the downtown area, but engender a sense of pride and ownership, as well.

# "Malls can actually complement Main Street; they are a reality of shopping in our time." - Norman Mintz

# Tips & Techniques

Kennedy Smith, Director of the National Main Street Center, in Washington, D.C., describes a *Four-Point Approach* to revitalization that combines "the preservation of historical assets with sensible business practices:" (1) **Economic restructuring.** Strengthening existing businesses, attracting new businesses, real estate development; (2) **Organization.** Mobilizing volunteers, coordinating public and private sectors; (3) **Promotion.** Retail sales events and festivals to strengthen interest; (4) **Design.** Improving visual aspects, including storefronts, signs, landscaping, etc.

What follows is a list of 37 practical suggestions — and points to consider — for utilizing design elements in restoring Main Street. However, no one approach is a panacea — streetscape improvements are only part of an effective revitalization strategy. Without companion promotion and management strategies, the process will not succeed. And one must never lose sight of the fact that the most important consideration in rebuilding a community should always be *people*.

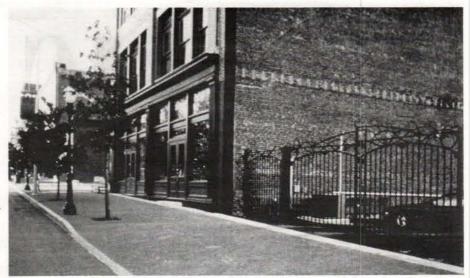
- ACCESS. Downtown is business, so don't do anything that interferes with the public's access to stores/buildings. (Wide sidewalks should have benches and plantings on the curb side.) (Richard Wagner)
- ADAPTIVE REUSE. New uses for old spaces have included movie theater conversions to auction halls, antique centers, art galleries, art film houses, offices, and retail space. (*Lise Sundrla*)
- ALLEYS. They hold the electrical lines, dumpsters, etc. Unlike the front, there's no clear demarcation between public and private. Alleys should reflect their utilitarianism, so use materials that might not be used in the front of the building. If possible, group electrical lines or run them underground. (Richard Wagner)
- AWNINGS & BANNERS. These are colorful and (relatively) inexpensive
  ways to dress-up Main Street. Think in terms of holidays and festivals as reasons to install and change banners; brightly colored ones are economical substitutes for expensive gateways. (Gaines Jontz)
- BENCHES, TRASH RECEPTACLES. Don't scatter furnishings all over town and don't get hung up on the "elements." Furnishings should be used judiciously and sensibly. Like trees, they should be placed in natural gathering areas: Ice cream parlors, post offices, pocket parks, city hall. (Richard Wagner) Benches should be bolted down, and the design selected should be practical: Wood slats are easily replaceable when dirty or broken, and wood tends to be comfortable and stay cool. (Elise Johnson-Schmidt)
- BICYCLE RACKS, OUTDOOR VENDORS, STAGES, BANDSTANDS. Can all be functional *and* decorative and add texture (see also "Texture.")
- BROCHURES & PRINTED PIECES. They can be extremely useful for real
  estate developers; hospital, college and university recruitment; tourism; and
  local merchants. Filled with rich historical detail, the pamphlets can also be
  turned into curricula for schools and used to promote civic pride. (Kennedy



This flower shop, on Magazine St., in New Orleans, has spilled its wares onto the sidewalk, adding color and life to the busy street. (*Photo: Gaines Jontz, SCDDA*)



A Kansas City, Mo. cafe has utilized its wide sidewalk and made sensible use of street furniture, plantings, and an awning. (Photo: Gaines Jontz, SCDDA)



The use of a cast-iron fence in front of a Kansas City, Mo., parking lot helps define the facade plane. (Photo: Gaines Jontz, SCDDA)

Smith)

- CLOCKS & FLAGPOLES. Can be a focal point and used as a gathering place. (*Lise Sundrla*)
- COLOR. Murals, awnings, banners, public art, and signs add color. (Gaines Iontz)
- CONSULTANTS. Start small and go simple; be prudent in design consultant selection. Consider history, physical makeup, and function. (Betsy Jackson)
- FOCAL POINTS. Outdoor eating, waterfront recreation, bandstands, city halls, and pocket parks can all be focal/gathering points. (See also "Clocks & Flagpoles.")
- FUNDING. Figure out ways to economize by involving the community in projects. For example, consider soliciting donation of materials and local fabrication for planters, banners, etc. (Norman Mintz) Fund-raisers are useful not only for bankrolling improvements but also lifting community spirit. Merchants and property owners may be encouraged to renovate by low-interest loans. (Sharon Green) It's best when the money is public and private. Some ways of soliciting funds are federal grants, SHPO grants, ISTEA (Intermodal Surface Transportation Efficiency Act) grants (for improvements in towns that run along highways), and special tax assessments from counties and municipalities. (Gaines Jontz)
- IMMEDIATE GRATIFICATION. Don't use streetscape furnishings as a "quick fix." However, some improvements can be done easily and inexpensively and give the sense that revitalization is underway: Painting facades, a group cleanup, placing signs, and developing a maintenance program. (Betsy Jackson))
- **INFORMATION BOOTHS.** These can serve a triple function: 1) Guide for tourists (maps, walking tours, historic districts, guides to downtown); 2) Traffic siphon; and 3) Security base. (*Dan Gilmore*)
- LESS IS MORE. Don't try to "design" every element; the simpler the better. (Norman Mintz) Don't install "one of everything," thereby overdoing the design of the streetscape. (Richard Wagner) Try to combine elements, e.g. a pedestrian-scale lighting pole might have a hanging planter with an attached trash receptacle. (N.B. This would not be possible with a utility company pole.) (Janice Pregliasco)
- LIGHTING. Who owns the fixtures? If it's the power company, you're restricted to their inventory; if it's the municipality, there's more flexibility. Does the town exist on either side of a state highway? If so, what are the lighting regulations? Pedestrian scale lighting is recommended at 15-20 ft. heights. Viable security lighting should be a minimum of 5 ft. candlepower. (Dan Gilmore) Lights mounted on buildings can highlight architecture, create a mood, and accentuates trees. Make sure the style of fixture reflects history of downtown. Not every fixture should be historically styled; some fixtures should blend into the scenery rather than be a design element unto themselves. (Like trees, you don't need to place vintage fixtures every 20 ft. along the entire avenue.) Encourage shopkeepers to light storefronts after hours so pedestrians don't have to jump from streetlight to streetlight. (Betsy Jackson) Light also emanates from signs and display windows. Watch out for dark spots.
- MAINTENANCE. Make sure that cheaper up front costs don't translate to higher maintenance costs. Consider that when making selections (paving materials, tree species, etc.).
- MARKING THE TOWN. Many main streets border state highways and can be easily passed by with no recognition, so mark the town. Slogans are a good way to lure tourists into stopping, but make sure there are amenities worth stopping for. (*Gaines Jontz*) Designs should be scaled for those towns "that will initially be seen from the windshields of fast-moving cars." (*Janice Pregliasco*)
- MURALS. Look to adjacent buildings for palette. Because artwork fades over time and needs to be repainted, it is a maintenance consideration. (*Gaines Jontz*)
- NIGHT LIFE. Upper-floor housing is a good utilization of upstairs vacancies and gives the sense that the town's vitality endures after regular business hours. Restaurants, movie houses, and legitimate theater encourage night life. (*Lise Sundrla*)
- PARKING GARAGES. Although convenient, they are a security nightmare. Basically, if shoppers have to go back to dark and secluded parking spots, they won't want to return to the area. (*Dan Gilmore*)
- PARKING LOTS. Landscaping may be used to beautify lots but should be
  well trimmed and not inhibit adequate lighting (higher levels of light are required in the rear than in front) for security reasons. (Dan Gilmore) Well-situated kiosks can dress up parking lots and shelter attendants. (Jeff Eichenfield)
  Locate parking with safety in mind; a back parking lot near a playground

continued on page 16

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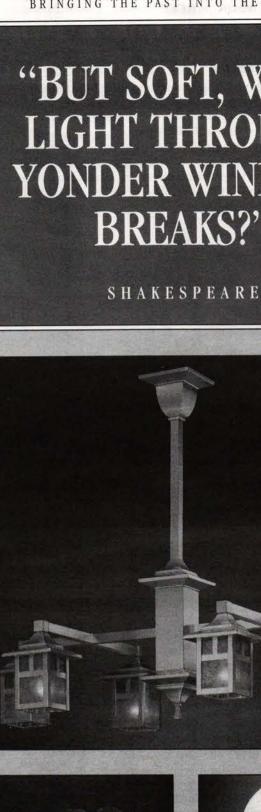
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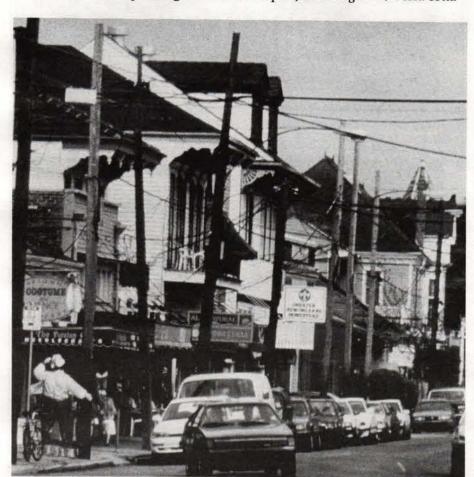


# TIPS FOR RESTORING MAIN STREET

continued from page 14

may invite trouble. (Dan Gilmore)

- PARKING METERS. Eliminating meters altogether is a possibility (the unsightly beasts). Some towns have switched to a parking "honor system," ticketing after 2 hours; and some have simply raised sales tax slightly to make up for the lost revenue. (Elise Johnson-Schmidt)
- PLANTERS AND POTS. Flowers are best planted around tree bases (that way, planters are not even necessary.) (Norman Mintz) Use window boxes or hang planters from lighting standards. Flowers in moveable planters are easier to maintain than plantings in median strips. (Janice Pregliasco) Terra cotta



New Orleans' Magazine St., a busy and vibrant shopping area, suffers visually from the clutter of overhead electrical lines. (Photo: Gaines Jontz, SCDDA)

and cast concrete pots are heavy, so they won't get carried off.

- PUBLIC RELATIONS. Consider merchant and property owner "buy-ins" and incentives. Make construction easy on shopkeepers with temporary sidewalks, special promotions, weekly meetings to discuss construction schedules and completion dates. Improvements may be done one block at a time or one side of the street at a time to minimize disruption of business. (*Jeff Eichenfield*)
- **REAR OF BUILDINGS.** Should be considered as part of design, as many people can/do enter from the back of the store. The rear entrance, though, should not compete with the front (or made to look like it is anything other than a back entrance). (*Richard Wagner*)
- **REST ROOMS.** Although unsightly, for security reasons they should be situated in a high-traffic area and modeled in an open maze-style, rather than all closed up, like a fortress. Rest rooms are the "highest-ticket" maintenance component (and they invite vagrants). Careful planning is a must. (*Betsy Jackson*)
- SIDEWALKS/WALKWAYS. In selecting materials, factor in (1) ease of maintenance (concrete is relatively inexpensive and easy to patch; brick is higher maintenance); and (2) what's easy on the feet (bluestone, for example is not, but it's laid in a sand base and is easy to repair.) Well-placed walkways make for good texture. Curbing is a good mask for electrical lines and irrigation and needs only to be lifted for repairs. (Jeff Eichenfield)
- SIGNAGE. Check sign ordinances first. Signs can be flush mounted or projecting (just watch proportion and scale.) Rule of thumb: Use one major sign per storefront. Think of signs as elements used to "visually enliven the downtown." (Gaines Jontz)
- TELEPHONES. Mounted telephones are more secure than booths; "phoneout only" and rotary phones discourage illicit usage. (Betsy Jackson)
- TEXTURE. Ironwork, low brick walls, fences, plantings, architectural details, sculpture, fountains, and paving patterns all add texture. (Gaines Jontz)

# "Try to keep aesthetics and preservation hand in hand." - Elise Johnson-Schmidt

- TOURIST ATTRACTIONS. Find something inherent in the history or heritage of the town that can be maximized and used for public appeal (some examples: Cotton gin, grist mill, stockyards, theater, landmark bill-board, etc.). (Ben Boozer)
- TREES. Should NOT be used to cover up buildings, rather as an accent, placed at the party wall. They should be pruned every winter (keep them lacy), so they don't block store windows, signage, or come between pedestrian and store. (Janice Pregliasco) Punctuate with trees; space them in clusters near natural gathering places (pocket parks, county courthouses), rather than

evenly along the street. Plantings can also be used to soften the edges of a parking lot (be aware of security issues here regarding heights and density.) (Gaines Jontz)

- TWO PLANES ADJOIN. Make the storefront part of the sidewalk; after all, it's the junction of two planes, vertical and horizontal. Merchandise can spill out onto the sidewalk, which brings additional life and color onto the streetscape. (Norman Mintz)
- YOUTH CENTERS. Good solution for vacant properties and give some teens an alternative to cruising, carousing, and drinking. (Sharon Green)

This article could not have been written without generous assistance from the following people: Dan Gilmore, Criminal Justice Programs Bureau, Tallahassee, Fla. (914) 487-3712; Jeff Eichenfield, The National Trust for Historic Preservation, Washington, D.C. (202) 673-4046; Steve Farneth, Architectural Resources Group, San Francisco, CA (415) 421-1680; Sharon Green, Gaffney Main Street, Gaffney, S.C. (803) 489-4443; Richard Hersey, Catskill Center for Conservation & Development, Arkville, NY (914) 586-1960; Betsy Jackson, The National Trust's National Main St. Center, Washington, D.C. (202) 673-4219; Elise Johnson-Schmidt, Market St. Restoration Agency, Corning, NY (607) 937-5427; Gaines Jontz and Ben Boozer, South Carolina Downtown Development Association, Columbia, S.C. (803) 256-3560; Norman Mintz, Norman Mintz Design Associates, Brooklyn, NY (718) 768-8149; Janice Pregliasco, Terra Design Group, Mill Valley, CA (415) 383-0968; Lise Sundrla, Beaufort Main Street, Beaufort, S.C. (803) 525-6644; Kennedy Smith, The National Trust's National Main Street Center, Washington, D.C. (202) 673-4219; Richard Wagner, David H. Gleason Associates, Baltimore, MD (410) 728-1810. ■

# The National Trust for Historic Preservation's National Main Street Center

Founded in 1980, and based on a successful Midwestern pilot program, the National Main Street Center was designed to encourage small cities to preserve and revitalize their traditional commercial districts. Fourteen years later, the Center now works in communities of all sizes, maintaining programs in 36 states (including 900 towns and cities). It has generated more than \$3.6 billion in physical improvements and produced over 33,000 new businesses and 83,000 new jobs. Most of the Center's work is technical assistance, that is, spending time one-on-one with communities. Other Center offerings include training materials, a training and certification program, a membership program, and a telephone information service.

The Center contracts with individual communities, based on an assessment visit. Moreover, it works with communities selected through annual competitions held by state and regional Main Street Programs. The communities selected are expected to have a cohesive core of traditional and/or historic buildings, public and private sectors actively involved, broad-based community support, a long-term commitment (3-5 years) to the revitalization, and a history of risk-taking. Once a community is selected, the Center commences with a reconnaissance visit, training, helping with goals and objectives, strategic planning, a resource visit, annual evaluations, and problem-specific solutions

Individual Main Street Programs' annual budgets average about \$60-80,000, which covers the salary of a full-time manager, project expenses, and office overhead. (Contracts with the Center are additional.) For more information, or a free copy of "Miracle on Main Street: Help for Historic Commercial Areas," call the Center at (202) 673-4219.

# Downtown Design Guidelines

Janice Pregliasco's "Developing Downtown Design Guidelines" was written for the California Main Street Program "to de-mystify the process of developing clear and workable design guidelines for new and existing buildings in commercial downtown areas." Chapters include "Getting Started," "Inventory," "Writing the Guidelines," "Illustrating Guidelines," and "Evolution." They are followed by step-by-step summaries for each. Illustrative photographs, drawings, a project time line, and bibliography all make this directory an extremely practical sourcebook. "Guidelines" sells for \$6.50. For a copy, please contact California Main Street, 801 K St., Suite 1700, Sacramento, CA 95814 (916) 322-3520.

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# Street Furnishings & Fixtures

The following companies are listed on the SourceList on pp. 20-24, where contact information can be found. Companies in bold type have placed ads you can consult for additional detail. (Page numbers can be found in the Table of Contents on pp. 3 & 4.)

**BENCHES** 

**Amish Country Gazebos Architectural Pottery** Barlow Tyrie **Blake Industries** Canterbury International Charleston Battery Bench **Custom Structures Doty & Sons Concrete Products** Florentine Craftsmen Game Time, Inc. Goodwin International Hammer's Plastic Recycling Herwig Lighting **KI Fiberglass Products** Landscape Forms, Inc. **Limestone Concepts** Lynch & Sons Magnalite Systems Natural Edge **Phoenix Iron Works** Robinson Iron Sitecraft Stone Forest **Trystan Products** Wausau Tile, Inc. Windsor Designs

### **BELLS & CARILLONS**

Brosamer's Bells Elderhorst-Bells, Inc. Schulmerich Carillons Verdin Company

## **BOLLARDS**

**Architectural Pottery** Bega/FS **Blake Industries** Canterbury International Classic Architectural Specialties Custom Structures **Doty & Sons Concrete Products** Hammer's Plastic Recycling Hanover Lantern Herwig Lighting Leitelt Brothers Main Street Lighting Standards Newstamp Lighting Co. Phoenix Iron Works Robinson Iron Spring City Electrical Mfg. Co. Sternberg Vintage Lighting Sun Valley Lighting TrimbleHouse Corp. **Trystan Products Union Metal Corporation** Ward Industries

Wausau Tile, Inc. Welsbach Lighting, Inc.

# **FLAGPOLES**

Ameron Pole Products & Systems HAPCO Hennessy House Union Metal Corporation

# FOUNTAINS, DRINKING

Limestone Concepts Murdock, Inc. Robinson Iron

# FOUNTAINS, ORNAMENTAL

Architectural Pottery
Brass Baron
Canterbury International
Copper Sculptures
D.E. Dodroe Co.
Dynamic Fountains, Inc.
Florentine Craftsmen
Goodwin International
International Terra Cotta
Limestone Concepts
Lynch & Sons
Magnalite Systems
Robinson Iron
Stone Forest
Trystan Products

### **GAZEBOS**

Amish Country Gazebos
City Visions / Heritage Garden Houses
Cumberland Woodcraft Co., Inc.
Florentine Craftsmen
Gazebo Woodcrafters
Historical Arts & Casting
International Terra Cotta
Limestone Concepts
Natural Edge
Phoenix Iron Works
Robinson Iron
Vixen Hill Mfg. Co.
Welsbach Lighting, Inc.
Windsor Designs
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### **HYDRANTS**

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### LANTERNS

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Bega/FS
Blake Industries
Canterbury International
Copper Sculptures
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Herwig Lighting
Lighting by Hammerworks
Newstamp Lighting Co.
Northeast Lantern, Ltd.

Rejuvenation Lamp & Fixture Saltbox
Spring City Electrical Mfg. Co. Stone Forest
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TrimbleHouse Corp.
Union Metal Corporation
Vulcan Supply
Ward Industries
Welsbach Lighting, Inc.

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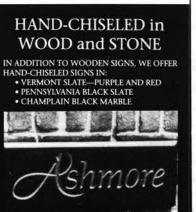
# **PLANTERS & URNS**

Architectural Pottery Barlow Tyrie Blake Industries Brandon Industries

continued on page 20





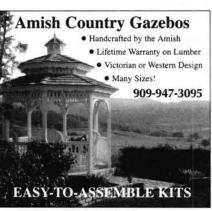


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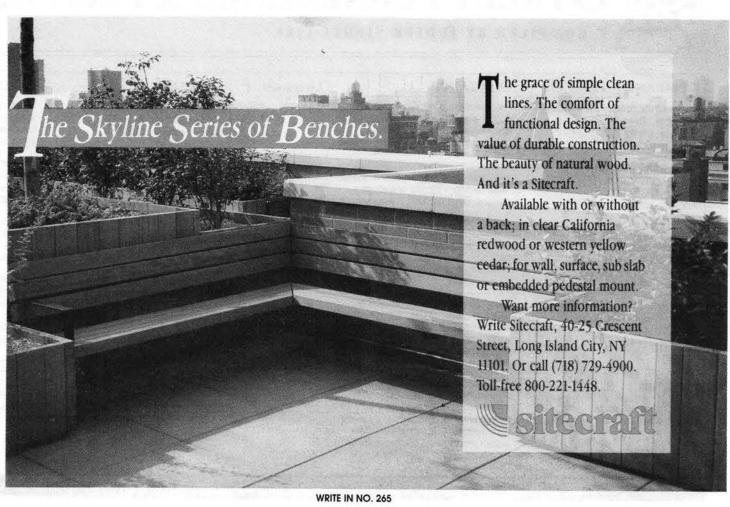


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Planters & Urns continued from page 18

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D.E. Dodroe Co.
Florentine Craftsmen
Geer & Co.
Lake Shore Industries
Lewin Brick Lettering
Northroad and Company
Phoenix Iron Works
Robinson Iron
Smith-Cornell/Alloy Founders
Wausau Tile, Inc.

# STATUARY & MONUMENTS

Architectural Pottery Brass Baron Canterbury International Copper Sculptures D.E. Dodroe Co. Florentine Craftsmen Historical Arts & Casting Limestone Concepts Lynch & Sons Robinson Iron

## STREET CLOCKS

Blake Industries
Canterbury International
Classic Architectural Specialties
Elderhorst-Bells, Inc.
Electric Time Co., Inc.
Herwig Lighting
Historical Arts & Casting
Mitchell & Bosworth Clockmakers
Schulmerich Carillons
Smith of Derby, Clockmakers
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# STREET LIGHTING

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Spring City Electrical Mfg. Co. Sternberg Vintage Lighting Sun Valley Lighting TrimbleHouse Corp. Trystan Products Union Metal Corporation Ward Industries Welsbach Lighting, Inc.

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Electric Time Co., Inc.
Mitchell & Bosworth Clockmakers
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# TRASH RECEPTACLES

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### TREE GRATES

Canterbury International
McKinley Tree Grate Co., Inc.
Phoenix Iron Works
Spring City Electrical Mfg. Co.
Trystan Products
Urban Accessories, Inc.
Wausau Tile, Inc.

# STREET FURNISHINGS & FIXTURES SourceList COMPILED BY JUDITH SIEGEL LIEF

COMPANY	SPECIALTY	Literature			
Ameron Pole Products & Systems 1020 B St., Dept. TB Fillmore, CA 93015 805-524-0223	Prestressed and centrifugally spun concrete lighting posts and flagpoles, which offer strength and durability. Designs are both traditional and modern.	Free			
Amish Country Gazebos 739 E. Francis, Dept. TB Ontario, CA 91761 909-947-3095	Gazebo specialists who feature easy-to- assemble octagonal kits; 8-20 ft. widths; cedar roofing; Victorian or western designs. Other products include swings and gliders, small bridges, and weather- vanes; shipping in U.S. and Canada.	Free Write in No. 168			
Architectural Pottery 15161 Van Buren, Dept. TB Midway City, CA 92665 714-895-3359	Van Buren, Dept. TB Imports works of art in sandstone and terra cotta from Italy and Greece, and manufactures site amenities; custom				
Ball & Ball 463 W. Lincoln Hwy., Dept. TB Exton, PA 19341 610-363-7330	Company manufactures historically accurate copies of 18th, 19th, and 20th century interior and exterior lighting. Also a major supplier of historically accurate builder's hardware from the 18th and 19th centuries.	Free Write in No. 766			
Barlow Tyrie 1263 Glen Ave., Ste. 230, Dept. TB Moorestown, NJ 08057 609-273-7878	Company specializes in traditionally styled all-weather teak benches, tree seats, chairs, tables, and umbrellas, as well as planters. All products are made in England from Javanese plantation lumber, and are well stocked in the US.	Free			

COMPANY	SPECIALTY	Literature		
Bega/FS 1005 Mark Ave., Dept. TB Carpinteria, CA 93103 805-684-0533	Highly designed exterior lighting fixtures: Wall, recessed, and downlight luminaires; pendants; bollards; pole-top lights; and more.	Free		
Best Sign 1202 N. Park Ave., Dept. TB Montrose, CO 81401 800-235-2378, 303-249-2378	Architectural and landscape signage: "Graphic Blast" process carving into stone, wood, tile, and most man-made materials.	Free		
Blake Industries P.O. Box 155, Dept. TB Abington, MA 02351 617-337-8772	amenities, including cast-metal light fixtures, seating, clocks, and custom			
Bose Associates 526 Jean Lafitte Ave., Dept. TB Baton Rouge, LA 70810 504-751-5701	e Associates Jean Lafitte Ave., Dept. TB on Rouge, LA 70810  Specializes in individually sand-cast aluminum letter boxes and poles. Exclusive period designs, as well as			
Brandon Industries 4419 Westgrove Dr., Dept. TB Dallas, TX 75248 214-250-0456	Manufacturer and distributor of traditionally styled lighting fixtures, including aluminum lampposts, wall lights, deck lights, and cast-aluminum mailboxes.	Free Write in No. 340		

For an alphabetical Index to the products supplied by these companies, see pp. 18-20.



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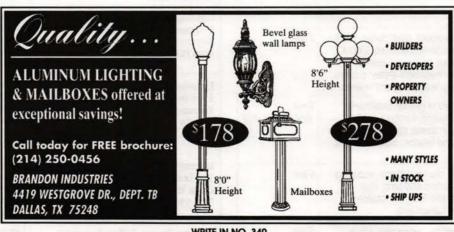


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COMPANY	SPECIALTY	Literature			
Brass Baron 10151 Pacific Mesa Blvd., #104 San Diego, CA 92121 800-536-0987	Company offers brass fountains and garden statuary with verdigris or bronze patina finishes individually cast in the lost-wax method, including swans, frogs, ducks, fish, cranes, as well as near life-size sculptures.	Free Write in No. 20			
Brosamer's Bells 207 Irwin St., Dept. TB Brooklyn, MI 49230 517-592-9030	This antique shop specializes in bells: From a 3,000 lber, 53 in. dia., to a c.1769 bell from a Japanese Buddhist temple. Current stock totals over 20,000 lbs. of farm, train, school, plantation, fire engine, and church bells.	Free Write in No. 713			
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Charleston Battery Bench 191 King St., Dept. TB Charleston, SC 29401 803-722-3842	Exclusive manufacturer of the Charleston Battery Bench, a cast-iron and cypress Victorian bench, designed c.1880. The ornate casting includes various flora and fauna.	Free Write in No. 26			
City Visions/Heritage Garden Houses 311 Seymour St., Dept. TB Lansing, MI 48933 517-372-3385	Manufacturers of Heritage Garden Houses in 15 historic designs. Components may be ordered for other uses.	Free Write in No. 903			
Classic Architectural Specialties 3223 Canton St., Dept. TB Dallas, TX 75226 214-748-1668	Full-service supplier of architectural components. Furnishes complete packages for period commercial exteriors, from millwork to street lighting.	Free			
Copper Sculptures 1016 N. Flowood Dr., Dept. TB Jackson, MS 39208 601-936-4200	Company offers finely handcrafted copper lanterns, mailboxes, posts, and metal furniture.	Free Write in No. 30			
Cumberland Woodcraft Co., Inc. P.O. Drawer 609, 10 Stover Dr., Dept. TB Carlisle, PA 17013 717-243-0063	ver 609, 10 Stover Dr., Dept. TB period millwork, carvings, fixtures, decorative treatments, carvings,				
Custom Structures P.O. Box 1888, Dept. TB Butler, PA 16003 412-282-2712	end traditional (and contemporary) site furniture, including benches, trash				
D.E. Dodroe Co. P.O. Box 22331, Dept. TB Seattle, WA 98122 206-722-6481	droe Co. x 22331, Dept. TB WA 98122  State-of-the-art concrete technology combined with flexible molds to produce original sculpture, ornamental designs,				
Doty & Sons Concrete Products 1275 E. State Street, Dept. TB Sycamore, IL 60178 800-233-3907, 815-895-2884	Concrete trash receptacles in over 20 styles, recycling receptacles, 17 styles of benches, 40 styles and sizes of planters, and bollards; custom designs.	Free			
Dynamic Fountains, Inc. 4373 Shallowford Ind. Pkwy., Dept. TB Marietta, GA 30066 404-591-5355	Specialists in custom architectural water- fountain design, engineering, system fabrication, programming, lighting layout, and personnel training.	Free			
Elderhorst-Bells, Inc. 875 Gravel Pike, Dept. TB Palm, PA 18070 215-679-3264	Manufacturers of tower clocks, street clocks, post clocks, and bell towers.	Free			
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Florentine Craftsmen 46-24 28th St., Dept. TB Long Island City, NY 11101 718-937-7632	Manufacturers of garden ornaments, statuary, fountains, furniture, and accessories in stone, cast iron, lead, aluminum, and bronze; custom work is invited.	Free Write in No. 439			
Game Time, Inc. P.O. Box 121, Dept. TB Fort Payne, AL 35967 205-845-5610	Architectural site furnishings, including benches, planters and urns, litter receptacles, and furniture; custom designs and fabrications.	Free			
Gazebo Woodcrafters P.O. Box 187, Dept. TB Bellingham, WA 98227 206-734-0463	Red cedar octagonal gazebo kits in several sizes and styles. Kit comes with pre-assembled roof sections and top and bottom panels; full assembly takes less than 2 hours. Custom options available.	Free Write in No. 533			
Geer & Co. Rt. 22A, Dept. TB Bridport, VT 05734 800-545-6677	Custom gold-leafed signs. Text and designs are hand chiseled in wood, slate, and marble.	Free Write in No. 933			
Goodwin International 2915 Redhill Ave. #D101, Dept. TB Costa Mesa, CA 92626 714-241-0942	Importers of terra cotta planters, handcarved stone fountains, statues, and marble ornament; custom designs and finishes.	Free Write in No. 416			

COMPANY	SPECIALTY	Literature		
Hammer's Plastic Recycling R.R. 3, Box 182, Hwy. 20&65N, Dept. TB Iowa Falls, IA 50126 800-538-1438, 515-648-5073	Company offers a line of landscaping products and "lumber" made from recycled plastic. All products are UV stabilized and will not splinter or rot — from benches and tables to trash receptacles and colored car stops.	Free Write in No. 23		
Hanover Lantern 470 High St., Dept. TB Hanover, PA 17331 717-632-6464	Design-manufacturers of cast titanium/aluminum lighting fixtures, poles, bollards, and accessories for commercial, residential, and landscape lighting applications.	Free Write in No. 34-		
HAPCO P.O. Box 547, Dept. TB Abingdon, VA 24210 703-628-7171	Manufacturers of spun-aluminum lighting poles and flagpoles.	Free		
Hennessy House P.O. Box 57, Dept. TB Sierra City, CA 96125 800-285-2122, 916-862-0125	Handmade, old-style wooden flag poles up to 40 ft. Unique construction gives high tensile strength and light weight. All accessories. Poles lower for maintenance; professional discount; lifetime guarantee; shipping nationwide.	Free Write in No. 118		
Herwig Lighting P.O. Box 768, Dept. TB Russellville, AR 72801 800-643-9523, 501-968-2621	Custom and stock manufacturers of cast aluminum lighting fixtures and streetscape products, such as clocks, bollards, benches, etc.	Free Write in No. 913		
Historical Arts & Casting 5580 W. Bagley Park Rd., Dept. TB West Jordan, UT 84088 801-569-2400	Expertly crafted bronze, aluminum, and iron fabrication of lighting fixtures, planters, fountains, fences, bridges, railings, and more.	Free Write in No. 12		
International Terra Cotta 690 N. Robertson Blvd., Dept. TB Los Angeles, CA 90069 310-657-3752	Company offers imported terra cotta products, custom-carved sandstone, bronze fountains, and fiberglass reproduction work.	Free Write in No. 71		
KI P.O. Box 8100, Dept. TB Green Bay, WI 54308 414-468-8100	Fiberglass benches, planters, urns, and trash receptacles in 49 standard colors, including solids, terra cotta, textured stone, and granite finishes; custom modifications possible.	Free		
King Luminaire Co., Inc. P.O. Box 266, Dept. TB Jefferson, OH 44047 800-268-7809	iron poles, and decorative concrete poles and bollards in a variety of colors.			
Landscape Forms, Inc. 431 Lawndale Ave., Dept. TB Kalamazoo, MI 49001 800-521-2546, 616-381-0396	for exterior use. Also, benches, ash urns, and trash receptacles in wood, metal, recycled plastic, and hardwoods.  hore Industries by 59, Dept. TB A 16512  Manufacturers of custom cast-aluminum signs and plaques with a specialty in street signs, town seals, historical			
Lake Shore Industries P.O. Box 59, Dept. TB Erie, PA 16512 800-458-0463, 814-456-4277				
Leitelt Brothers 7721 So. Chicago Ave., Dept. TB Chicago, IL 60619 312-721-1186	Authentic t-of-c style lighting fixtures. The Octagon lantern is available in two sizes and ten classic styles (as pole mount, wall mount, or pendant), in cast aluminum, brass, and bronze.	Free Write in No. 308		
Lewin Brick Lettering 2218 Dixie Highway, Dept. TB Fort Mitchell, KY 41017 606-331-1340	This company engraves special pavers and brick specifically designed for inscribing names for walkways and fundraisers.	Free Write in No. 277		
Lighting by Hammerworks 6 Fremont St., Dept. TB Worcester, MA 01603 508-755-3434	Handmade Colonial reproduction lighting fixtures: Chandeliers, wall sconces, wall lanterns & post lanterns, made in copper, brass, and tin. Also, hand-forged door hardware.	Send \$3 for catalog		
Limestone Concepts 1948 Del Amo Blvd., Unit C, Dept. TB Torrance, CA 90501 310-787-1661	Offers fabrication of limestone architectural pieces carved in the French tradition, from Gothic to contemporary styles. Products include: Fireplaces, fountains, columns, moldings, benches, balusters, statuary, and more.	Free Write in No. 539		
Lumenyte International, Corp. 350 Lear Ave., Dept. TB Costa Mesa, CA 92626 714-556-6655	Manufacturers and distributors of large diameter plastic optical fiber (from 3 mm to 19 mm) and illuminators. Fibers used as point or side lighting, not unlike neon, for signage, spots, and edge lighting.	Free		
Lumiere Design & Manufacturing 31360 Via Collinas #101, Dept. TB Westlake Village, CA 91362 818-991-2211	iere Design & Manufacturing 50 Via Collinas #101, Dept. TB Ilake Village, CA 91362  Landscape and architectural lighting, including path and border lights, wall, accent, and well lights, and a "Pebble"			
Lynch & Sons Box 488, 84 Danbury Rd., Dept. TB Wilton, CT 06897 203-762-8363	Top-of-the-line fabricators with an extensive catalog of garden ornaments, site furniture (full park-bench manufacturing capabilities), weather-vanes, gazebos, fountains, and more in cast stone, bronze, copper, lead, and stainless steel.	Free Write in No. 777		
Magnalite Systems 2900 Lockheed Way, Dept. TB Carson City, NV 89706 702-883-8300	Architectural site furnishings, including planters, urns, columns and column covers, and fountains in glass-fiber reinforced cement and proprietary aggregate; large variety of finishes and	Free Write in No. 585		

For an alphabetical Index to the products supplied by these companies, see pp. 18-20.

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We'll build to your specifications, supply any or all component parts. Complete custom design ser-

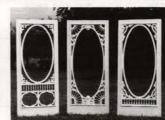
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ideas. \$5.00. Free if
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WRITE IN NO. 131



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6 Fremont St., Dept. TB, Worcester, MA 01603 (508) 755-3434 Main St., Meredith, NH 03253 (603) 279-7352 Metro West Plaza, Rt. 20, Marlboro, MA 01752 (508) 485-6721

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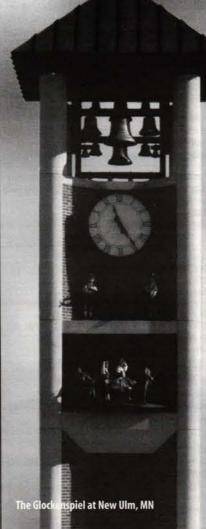


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- Planters Bollards
- Waste Receptacles
- · Stock Models
- Custom Designs

CUSTOM STRUCTURES, INC. P.O. Box 1888, Butler, PA 16003 (412) 282-2712 FAX (412) 283-4713

WRITE IN NO. 339

# Yesterday's Sounds, Tomorrow's Ideas.



Here at Schulmerich, we've built our reputation on old-world craftsmanship and new-wave technology. So we're your ideal source for...

- cast bronze bells,
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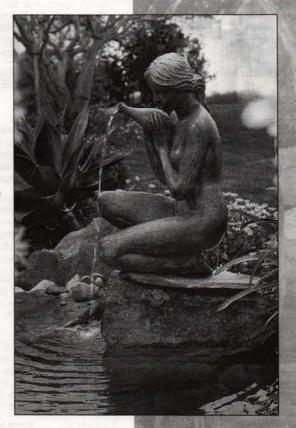
WRITE IN NO. 260

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# TRADITIONAL BUILDING'S CSI# 02800 TREET FURNISHINGS & FIXTURES SourceList COMPILED BY JUDITH SIEGEL LIEF

COMPANY	SPECIALTY	Literature				
Mainstreet Lighting Standards 1021 Industrial Pkwy., Dept. TB Medina, OH 44256 216-723-4431	Specialists in fiberglass and aluminum ornamental lamp posts with fluted and tapered shafts and multiple luminaires. Also, aluminum bollards and other lighting fixtures.	Free Write in No. 98				
McKinley Tree Grate Co., Inc. P.O. Box 790, Dept. TB Fort Worth, TX 76101 800-433-2303, 817-335-1268	Four styles of cast-iron, cast-aluminum, and cast-bronze tree grates with steel frame.	Free				
Mitchell & Bosworth Clockmakers 28 Columbus Ave., Dept. TB Concord, NH 03301 603-225-8065	This 50-year-old company specializes in the repair and maintenance of historic tower and street clocks. Also sells antiques and does installations.	Free				
Murdock, Inc. 2488 River Rd., Dept. TB Cincinnati, OH 45204 513-471-7700	Manufacturers of a complete line of outdoor drinking fountains (post and flush box type), hydrants, and shower equipment, in brass, iron, and stainless castings. Custom work and finishes available.	Free Write in No. 37				
Natural Edge 106 E. Delaware Ave., Dept. TB Pennington, NJ 08534 609-737-8996	Orange, rhododendron, red cedar, and other local woods transformed into rustic furniture, gazebos, arbors, bandstands, and balustrades.	Free				
Newstamp Lighting Co. P.O. Box 189, Dept. TB North Easton, MA 02356 508-238-7071	Custom indoor and outdoor lighting fixtures in all styles from metal, glass, and plastic. All energy sources, including gas. Catalog available in Colonial-style fixtures and lanterns.	Free Write in No. 80				
Northeast Lantern, Ltd. 16 Kingston Rd., #11, Dept. TB Exeter, NH 03833 603-778-2468	matern, Ltd. mgston Rd., #11, Dept. TB r, NH 03833  Manufacturers of colonial reproduction, indoor and outdoor lighting fixtures handcrafted from solid brass or copper.					
Northroad and Company Wood Sign Products P.O. Box 976, Dept. TB Groton, MA 01450 800-448-6420	coad and Company bod Sign Products bx 976, Dept. TB a, MA 01450  Custom-carved wood signs, sign programs, and lettering applications where signs must harmonize with surroundings. From individual street					
Penn-Troy Machine Co. 650 Railroad St., Dept. TB Troy, PA 16947 717-297-2125	vy Machine Co. road St., Dept. TB Mathews); also, repairs and parts. No excavation is necessary; ideal for					
Phoenix Iron Works P.O. Box 24123, Dept. TB Oakland, CA 94623 510-465-9900	24123, Dept. TB projects as decorative light posts lining Market St. in San Francisco and U.C.					
Planter Technology 999 Independence Ave., #E, Dept. TB Mountain View, CA 94043 415-962-8982	Fechnology pendence Ave., #E, Dept. TB n View, CA 94043  Manufacturers of an automatic watering planter, controlled by a moisture sensor (up to 6 wks. between fillings). Free-					
Pyro Media, Inc. 7911 Tenth Ave. S., Dept. TB Seattle, WA 98108 206-763-7020	Many styles of glazed ceramic planters (some with saucers) in 37 colors.	Free				
Rejuvenation Lamp & Fixture 1100 S.E. Grand Ave., Dept. TB Portland, OR 97214 503-231-1900	Manufacturers of Victorian and early 20th century solid brass lighting. Many gas-style fixtures and combination gaselectric styles; custom capabilities. Exterior sconces and porch lighting.	Free Write in No. 763				
Robinson Iron P.O. Box 1119, Dept. TB Alexander City, AL 35010 205-329-8486	Major cast-iron restoration and supply firm that has built or recreated fences and gates for historic sites, as well as new construction. Extensive collection of historic patterns for casting, as well as reference for custom work.	Free Write in No. 324				
Saltbox 500-B State St., Dept. TB Greensboro, NC 27405 910-273-8758	Handcrafted reproduction street lights, lanterns, sconces, and garden lighting in copper, verdigris, brass, tin, and painted finishes made for electric, gas, or candle; custom work.	Free Write in No. 355				
Schulmerich Carillons Carillon Hill, Dept. TB Sellersville, PA 18960 800-772-3557	Supplies cast bronze bells, electronic carillons, towers and tower clocks, specialty clocks, cupolas, automatic bell ringers, glockenspiels, and animated figures for towns, malls, churches, schools, etc. Clock and bell restoration.	Free Write in No. 260				
Sitecraft 40-25 Crescent St., Dept. TB Long Island City, NY 11101 800-221-1448, 718-729-4900	Exterior site furnishings in redwood, cedar, and other fine exterior woods; custom exterior finishes available.	Free Write in No. 265				
J.P. Smith Company 20 Baldwin Drive, Dept. TB Branford, CT 06405 203-488-7225	Norwich square mesh tapered litter baskets in 46, 35, 25, or 15 gallon sizes. Features include heavy-gauge woven wire construction, sheet-metal pan with drainage, vertical braces; can be nested.	Free				
Smith-Cornell/Alloy Founders 1545 Holland Rd., Ste. O, Dept. TB Maumee, OH 43537 800-325-0248	Cast-bronze and aluminum plaques; interpretive markers for National Register and other landmark properties; custom plaques for historic properties, awards, and memorials.	Free Write in No. 46				

COMPANY	SPECIALTY	Literature	
Smith of Derby 14 John Poulter Rd., Dept. TB Lexington, MA 02173 617-235-0391	Eminent clock designers have a reper- toire that includes pillar clocks, wall- mounted dials, convex dials, floral clocks, tower and steeple clocks; also, fabrication and restoration of antique clocks.	Free Write in No. 21	
Spring City Electrical Mfg. Co. P.O. Box 19, Dept. TB Spring City, PA 19475 215-948-4000	Cast iron high-performance lighting and traffic control systems from custom designed products to historic reproductions.	Free Write in No. 10	
Sternberg Vintage Lighting 5801 N. Tripp Avenue, Dept. TB Chicago, IL 60646 312-478-4777	Vintage style cast-aluminum fixtures (with energy-efficient HID lamping) and ornamental poles for streets, parks, plazas, and other public places.	Free Write in No. 674	
Stone Forest P.O. Box 2840, Dept. TB Santa Fe, NM 87504 505-986-8883	Creates hand-carved granite garden ornaments and sculpture which combine Japanese and western design elements. Also, fountains and lanterns.	Free	
Sun Valley Lighting 7900 Clybourn Avenue, Dept. TB Sun Valley, CA 91352 818-767-3031	Manufactures an extensive line of standard and custom cast aluminum lighting poles and fixtures in all period styles. Staff of designers, engineers, tool makers — plus an in-house foundry — permits fast delivery of custom jobs.	Free Write in No. 520	
TrimbleHouse Corp. 4658 S. Old Peachtree Rd., Dept. TB Norcross, GA 30071 800-241-4317, 404-448-1972	Manufacturers of a complete line of period electric and gas outdoor lighting fixtures, ornamental lighting standards, bollards, handmade copper and brass lanterns, fluted poles, acorn globes, and more.	Free Write in No. 10	
Trystan 68 Swan St., Dept. TB Ayr, Ont. NOB 1E0 CAN 519-632-7427	Full line of site furnishings, including benches, planters, urns, tree grates, bollards, fountains, and bicycle racks.	Free Write in No. 569	
Union Metal 1432 Maple Ave., NE, Dept. TB Canton, OH 44705 216-456-7653	Manufacturers of street lighting standards (fabricated steel fluted shafts and cast-iron bases) and luminaires. Base castings from 1930's wood patterns. Steel, aluminum, and concrete street and area poles, flagpoles, and bollards.	Free Write in No. 536	
Urban Accessories 2004 144th N.E., Dept. TB Woodinville, WA 98072 206-487-0488	Accessories Manufacturers of site furniture, bike racks, benches, bollards, and tree guards; also, cast-iron manhole covers		
Valley View Specialties Co. 13834 S. Kostner Ave., Dept. TB Crestwood, IL 60445 800-323-9368, 708-597-0885	Specialties Co. Durable plastic planters and urns in 4 colors and various sizes and shapes. Features include flat bottoms or		
Verdin Company 444 Reading Rd., Dept. TB Cincinnati, OH 45202 800-543-0488	Nation's oldest and largest builder of street clocks, tower clocks, bells, carillons, and clock chiming systems. Also, bells and bell-ringing equipment; clock and bell renovation and servicing.	Free Write in No. 435	
Vixen Hill Mfg. Co. Main St., Dept. TB Elverson, PA 19520 215-286-0909	Supplies solid panel or fixed slat shutters and top-of-the-line gazebos. Products are manufactured from select-grade western red cedar, and engineered for both strength and ease of assembly.	Free Write in No. 710	
Vulcan Supply P.O. Box 100, Dept. TB Westford, VT 05494 802-878-4103	Custom fabricator of lanterns, finials, cornices, cupolas, weathervanes, ornaments, and roofing metal in copper and other sheetmetal. Consultants for slate, tile, and copper roofing.	Free Write in No. 721	
Ward Industries 58582 State Rd. 13, Dept. TB Middlebury, IN 46540 219-825-2548	Custom-built lighting. Aluminum posts in 3 styles; many styles of Victorian copper lanterns; variety of finishes available. Builds fixtures to spec in copper, brass, acrylics, aluminum, or steel.	Free	
Wausau Tile P.O. Box 1520, Dept. TB Wausau, WI 54402 800-388-8728, 715-359-3121	Manufacturer of concrete pavers and precast concrete site furnishings: Waste containers, bollards, benches, planters,		
Welsbach Lighting, Inc. 240 Sargeant Drive, Dept. TB New Haven, CT 06511 203-789-1710	pach Lighting, Inc. largeant Drive, Dept. TB Haven, CT 06511  Wide variety of cast-aluminum and bronze historic street lighting fixtures.		
Windsor Designs 37 Great Valley Pkwy, Dept. TB Malvern, PA 19355 800-783-5434, 610-640-1212	Garden furniture, seating groups, and pool & deck loungers in traditional and contemporary designs, made in teak, shorea, and cast aluminum. Also planters and other accessories.	Free Write in No. 328	
Wood Visions P.O. Box 815, Dept. TB Derry, NH 03038 800-628-1101, 603-595-9663	Builds modular and custom gazebos and bandstands for residential and commercial markets using cabinet-grade construction. Materials used are Western red cedar and Douglas fir.	Free Write in No. 987	

For an alphabetical Index to the products supplied by these companies, see pp. 18-20.



# CLASSIC

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WRITE IN NO. 777



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WRITE IN NO. 987



WRITE IN NO. 216

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WRITE IN NO. 103

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Custom finishes.

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International Terra Cotta, Inc.

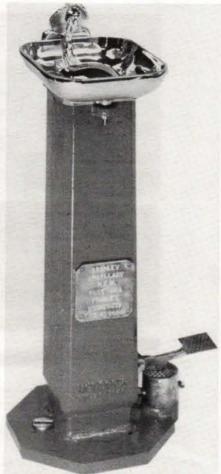
690 N. Robertson Blvd., Los Angeles, CA 90069 (310) 657-3752 Fax (310) 659-0865

# STREET FURNISHINGS & FIXTURES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 20-24.

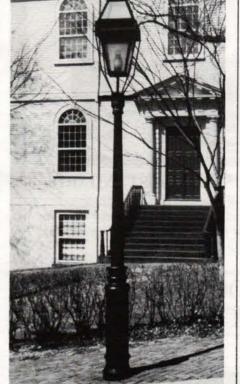


This Urbana, Ill., installation features a clock with handcrafted movement, heavy-duty lexan dial, vandal-proof and weather-resistant cover, personalized header, and custom finish. VERDIN COMPANY Write in No. 435





The M35 Ejecto San non-pollutible drinking fountains feature removable working parts, antifreeze operating valve below the frost line, and optional donor plaque. MURDOCK FOUNTAINS Write in No. 378



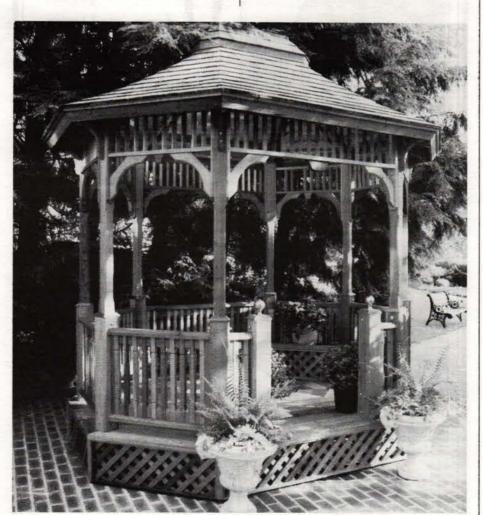
This historically styled street fixture and post design is from WELSBACH LIGHTING, INC. Write in No. 281



TRIMBLEHOUSE CORP.'s castaluminum post and luminaire was installed at Ohio State University. Write in No. 105



This rustic bench, crafted by David Robinson, designer and owner of NATURAL EDGE, is only one in a series of unique creations, which include site furnishings, gazebos, and balustrades.

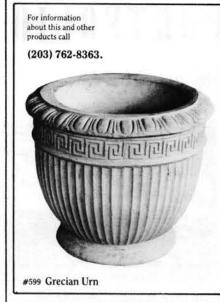


This teahouse, from VIXEN HILL GAZEBOS, features an elongated octagonal floor plan, gently curved roof, and interchangeable parts for optimal flexibility for access and egress. Write in No. 710



This town bandstand was crafted in red cedar by WOOD VISIONS. Write in No. 987

KENNETH LYNCH & SONS makes this lead cistern, model #2438, which measures 24 in. H., 36 in. W., and 22 in. at its deepest. Other lead cisterns, planters, tubs, and pools vary in size, shape, and style, but all designs are based on old models and molds. Write in No. 777



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Enter the world of bridges, main streets, parks, shopping centers, colleges, libraries, musuems and other public places when you enter the world of Sternberg. Great vintage designs are executed in non-rusting, vandal resistant cast aluminum for all your fixture, post and bollard needs.

The illustration to the left shows our Main Street fixture on an Oxford post. The fixture is 16 x 38-inches and the decorated post base scales 18 x 27-inches with a 6 to 3-inch tapered pole.

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WRITE IN NO. 30

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Our fiberglass and aluminum poles are ideal for residential and commercial projects and feature fluted/tapered shafts, multiple luminaire ornamentation, and 6 standard colors.





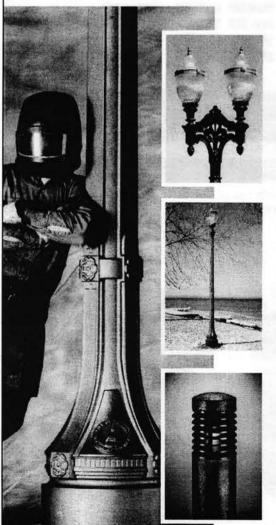
We also offer bollards, globes, brackets. ladder rests, and consultation.

Look to Main Street for classically styled lamp posts that serve as reflections of a nostalgic era...adding color, style and a touch of elegance to everyday landscapes.

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WRITE IN NO. 98

# King Luminaire. We're more than just lights and poles.



Superb craftmanship and superior luminaire performance.

At King Luminaire we take great pride in our workmanship. Without compromising historical design and detail, we combine the high quality of yesteryear with today's modern lighting requirements.

King offers the designer the widest selection of ornamental poles in the industry, from Ferronite™ cast ductile iron to cast aluminum and spun concrete.

Unrivalled photometric performance and a unique modular design results in an extensive line of authentic luminaires that meet all design criteria.

For decorative and walkway lighting, our bollards provide a virtually indestructable answer.

- Authentic reproductions of historic poles, arms and luminaires.
- Superior roadway optics using patented exterior refractors.
- Acorn globes in polycarbonate or ■ Engineered for maximum efficiency
- and minimum maintenance. Custom designs.



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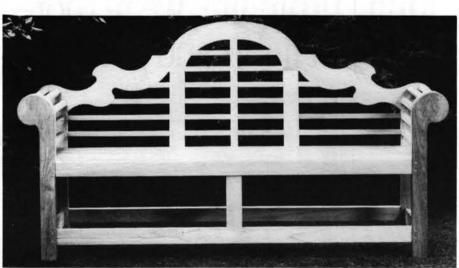
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# STREET FURNISHINGS & FIXTURES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 20-24.



This "Majestic" AMISH COUNTRY GAZEBOS structure is available in kit form, customized to match an existing style, and is actually handcrafted by the Amish. Write in No. 168



This "Sissinghurst Teak Seat" is only one of BARLOW TYRIE's large assortment of solid teakwood, all-weather furnishings.



CUSTOM STRUCTURES, INC., fabricated this "Harmony" series of litter receptacles: Welded metal units requiring no assembly, adjustable legs, flat metal lids, plastic liner, and anti-theft lanyard. Write in No. 339



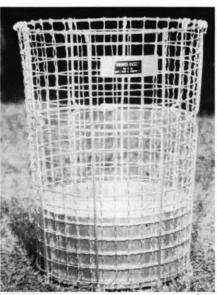
SITECRAFT made this Victorian slatted bench with black cast-iron ends. The "BV" model comes in three lengths: 48 in., 60 in., and 72 in. Write in No. 265



URBAN ACCESSORIES fabricated this cast-iron tree grate with customized "doggie-be-gone" beveling.



Polymer-based planters from VALLEY VIEW SPECIALTIES CO. feature a matte finish, solid flat bottoms or drainage risers, custom colors, and a weight that's 80% lighter than terra cotta. Write in No. 384



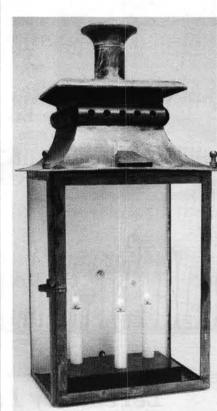
The Norwich litter basket, model #95B, is 28 in. deep, 21 in. dia. (top), with 10-gauge wire mesh, 8 vertical braces with interlocking ring, and an 8 in. deep sheet metal pan. THE JOHN P. SMITH CO.



This settee is part of ROBINSON IRON's "Fern Group" collection of cast-iron decorative furniture and measures 2 ft. 11 in. H.; 4 ft. 10 in. L; and weighs 195 lbs. Write in No. 324



These "Avenue" planters and receptacles are made of fiberglass by KI.



The Zenke lantern is a reproduction of a French fixture and finished in verdigris. THE SALTBOX Write in No. 355



LIMESTONE CONCEPT, INC. fabricated this stylized triangular Seahorse Fountain. The surround is concrete; the fountain is carved granite. Write in No. 539

# **REVIVE AN** AMERICAN



The Verdin Company, America's leading manufacturer of streetclocks, tower clocks and clock chiming systems since 1842. . . . . . . . . . . . . . . . . . . .

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Address

Phone

WRITE IN NO. 435

# Why TRYSTAN Site Improvement Products?



Circle 29 on Reader Service Card

Trystan has been manufacturing seating benches for a number of years, if nothing else, experience has taught us that there is no substitute for quality materials and construction when it comes to the outdoor environment.



Site Improvement Products

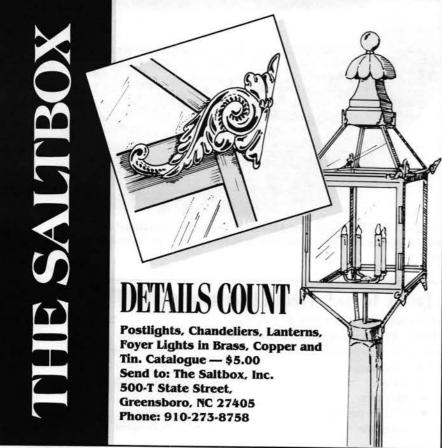
68 Swan Street • Ayr, Ontario • Canada NOB-1E0 Phone: 519-632-7427 • Fax: 519-632-8271



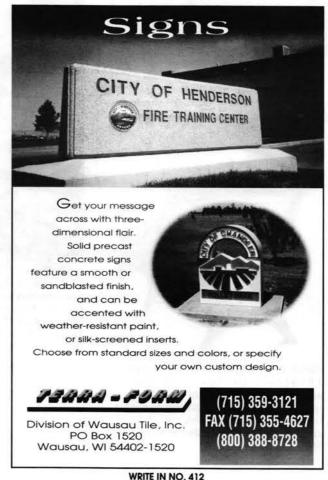
WRITE IN NO. 569



WRITE IN NO. 710

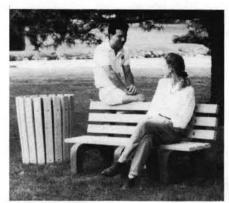


WRITE IN NO. 355



# STREET FURNISHINGS & FIXTURES PORTFOLIO

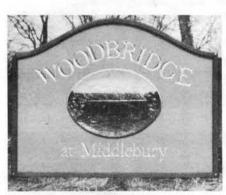
For more information on these companies, consult the SourceList on pp. 20-24.



HAMMER'S PLASTIC RECYCLING site furnishings are impervious to insects and termites, will not crack or splinter, don't need painting, and are easily cleaned with soap and water. Write in No. 239



This lighting fixture is a member of UNION METAL CORP.'s "National Family," first introduced in the 1920's. It is offered with several base sizes, different mounting heights (from 10-22 ft.), and is available with single or double luminaires. Write in No. 536



This custom hand-chiselled gold-leaf sign, created by GEER & CO. in redwood for the Woodbridge condominiums in Vt., measures 4 ft. 3 in. H. x 6 ft. W. Write in No. 933



This 8-ft. bench, model TH-1, is part of TRYSTAN's "Heritage" series. Ends are either cast aluminum or cast iron (primed with enamel coating or with a baked-on painted finish), and slats are stained western red cedar. Write in No. 569



This post, the "Old Waterford II," has a heavily ornamented aluminum base and fluted and tapered fiberglass shaft. MAINSTREET ORNAMENTAL LAMP POSTS Write in No. 98



BRANDON INDUSTRIES, INC., manufactures traditional aluminum lighting fixtures. This model, WS4-81L, is 32 in. H., 14 in. W., and extends 16 in. Write in No. 340



This prefabricated "Stoneware" modular fountain features a pool filtration system as a source for its waterfall. MAGNALITE SYSTEMS Write in No. 585



This bollard, model #6346, is cast titanium/aluminum and is appropriate for both commercial and residential use. HANOVER LANTERN Write in No. 344



LAKE SHORE INDUSTRIES cast this aluminum street marker; other capabilities include plaques, signs, and historic markers. Write in No. 873



The "Berkeley" wall mount, from REJUVENATION LAMP & FIXTURE CO., is available in two sizes and supplied with gold white iridescent art glass. Write in No. 763



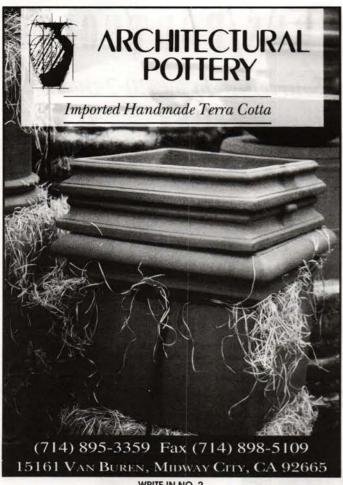
WAUSAU TILE manufactured these planters, the "Westlake" series, featuring cast-in carving. The planter shown is 42 in. dia. x 24 in. H. and weighs 950 lbs. Write in No. 412

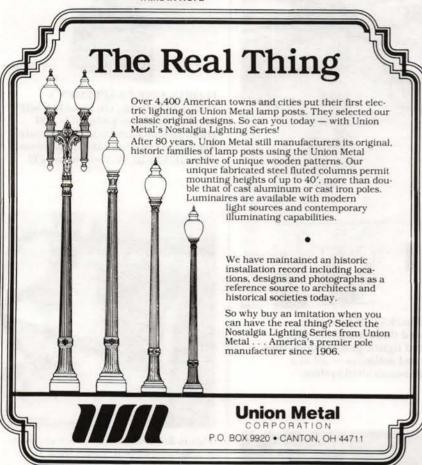
# Instant Access to Product Literature for STREET FURNISHINGS

If your office qualified to receive the 1994 TRADI-TIONAL BUILDING CATALOG, you'll find prefiled product literature there for the following suppliers of Street Furnishings:

- Ball & Ball
- Barlow Tyrie
- Canterbury International
- Electric Time

- Goodwin International
- Herwig Lighting
- Hennessey House
- Historical Arts & CastingKenneth Lynch & Sons
- Penn-Troy Machine Co.
- Trimble House
- Verdin Company





WRITE IN NO. 536

# Valley View

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VALLEY VIEW

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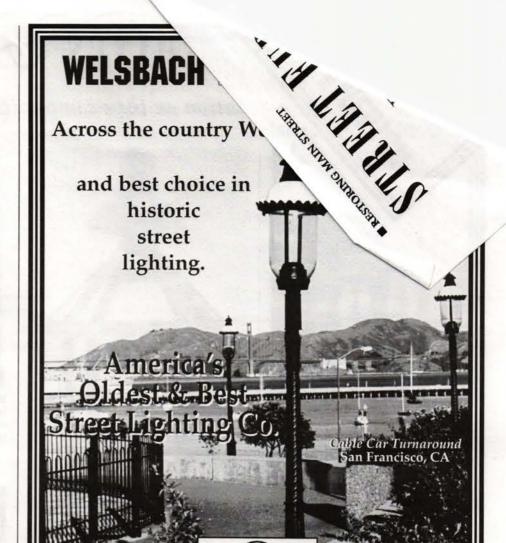
# POLYSPUN® PLANTERS FOR EVERY USE "Looks more like clay than clay itself"

Valley View® Polyspun® planters and optional saucers and trays combine lightweight durability with the attractive look of terra-cotta clayl

- 100% guaranteed never to crack, chip, break or fade due to defective workmanship or materials.
- For both indoor and outdoor use—heavy duty quality withstands all climate and temperature
- New soft matte no-glare finish—the look of terra-cotta clay without the breakage problems.
- Will not leach salts or acids as clay products do.

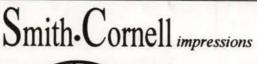


Bottom trays and saucers are also available (optional). WRITE IN NO. 384



WRITE IN NO. 281

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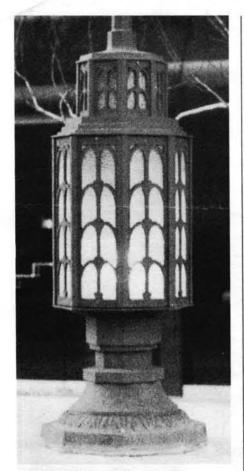


Write, fax or call for our catalog on traditional exterior & interior fixtures.

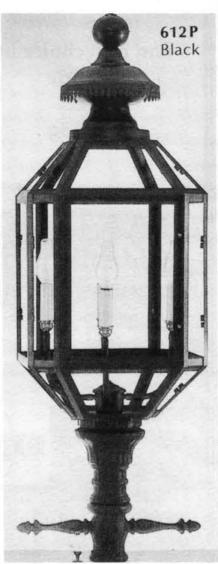
NEWSTAMP LIGHTING COMPANY 227 Bay Road, P.O. Box 189 • North Easton, MA 02356-0189 Phone 508-238-7071 Fax 508-230-8312

# URNISHINGS & FIXTURES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 20-24.



HERWIG LIGHTING, a family-run business since 1908, cast this monumental lantern in aluminum. Write in No. 913



This solid copper and brass lantern is fabricated with a matte black finish by NEWSTAMP LIGHTING CO. Write in





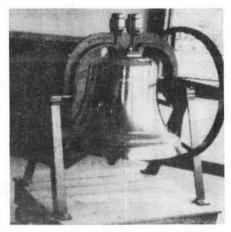
ELDERHORST-BELLS, INC., fabricated this towerclock with animated figure, glockenspiel, time strike, and melodies - all in a computer-controlled system.



This 8 ft. wood gazebo kit, from CUMBERLAND WOODCRAFT CO., INC., includes brackets, rails, turned posts, roof trusses, center beam, roof sheathing, cornice, and roof finial (copper roofing must be obtained locally). Write in No. 131



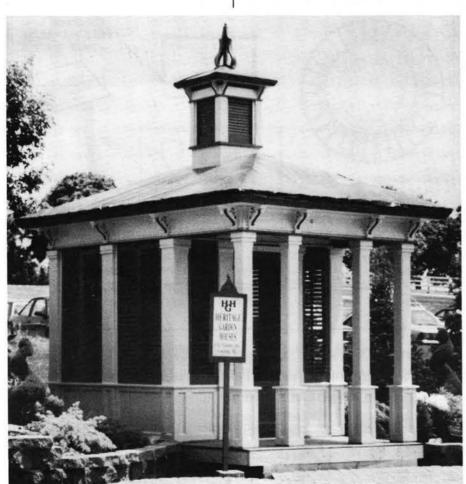
FLORENTINE CRAFTSMEN's
"Skipper With Jug On Double Shell"
fountain with urn pedestal is cast
aluminum and lead with a re-circulating pump and plumbing; it measures 54 in. H. x 25 in. W. Write in No. 439



This is Bob Brosamer's pride and joy: A 2,500 pound bell, dated from 1855, and rescued from a Detroit-area church. "It's larger than the Liberty Bell," Brosamer boasts. BROSAMER'S BELLS Write in No. 713



The SMITH OF DERBY clockmakers are responsible for this "Pillar Clock With Convex Dial," a suitable accompaniment to any historic streetscape. Write in No. 214



This Italianate basic garden house measures 8 ft. x 12 ft. and features a hip roof and cupola and chamfered porch posts and pilasters. HERITAGE GARDEN HOUSES/CITY VISIONS Write in No. 903

# THE TEXTURES OF MAIN STREET

The correct selection of bricks and pavers can go a long way toward recapturing the spirit of turn-of-the-century retail districts, which once again are luring the well-heeled shopper.

Planners of downtown revivals are always looking for ways to make the streetscape more vibrant and full of life. A striking variety of human-scaled shapes, textures, and colors was something that was commonplace on early 20th-century commercial streets by virtue of the picturesque architectural styles that were then in vogue. Because much of that original pattern and texture was remodeled out of existence in the mid 20th century, designers now have to look for economical ways to recapture that bygone sense of liveliness.

One of the simplest and least expensive means of adding texture, pattern, and color to a commercial shopping district is through the judicious choice of paving and masonry materials. Starting with the assumption that you need *something* underfoot, usually with a small additional amount of money — and lots of design creativity and historic insight — the right paving and masonry materials can add considerably more visual enrichment than garden-variety gray concrete.

Historically, unit masonry, such as bricks and cobbles, were the most common paving materials. And, from the suppliers on the accompanying *SourceList*, you can still get a near-match for almost any historic paver. In addition, there is a wide variety of modern unit pavers, both clay and concrete products, that closely simulate the ambience of historic materials.

Because of the expense of setting and maintaining unit pavers, for large public spaces there is a growing market for cast-in-place, colored, imprinted, and textured architectural concrete paving. This material can be made to replicate almost any historical stone or brick paving system with savings in installation and maintenance costs.

# Custom-Molded & Color-Matched Brick

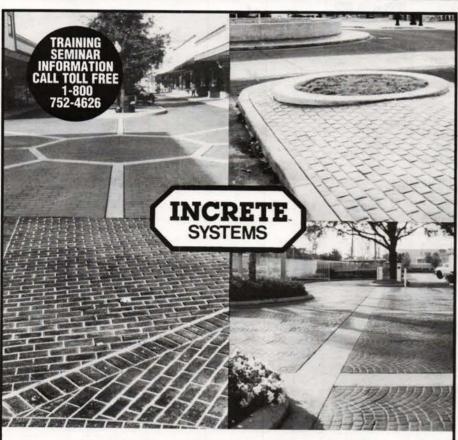
Retaining walls, small service buildings, additions, and patching of brick buildings along Main Street may call for bricks that are beyond ordinary brickyard inventory. Restoration color matching and blending, in particular, is a tricky business. For example, in old walls where the brick was hand-molded and batch-fired, there is a wide range of brick colors. In order to get an acceptable match, a manufacturer may have to provide 5 or more different brick colors in a proportion that can only be determined by a careful on-site statistical sampling of the existing masonry. Several of the brick companies on the *SourceList* are experienced in this type of custom brick restoration matching.

To assemble the *SourceList* on pp. 34-36, the Editors contacted 145 suppliers of pavers and specialty brick. From the responses, the Editors selected 33 companies as most relevant to our readers' interests. Some of the companies on the *SourceList* supply only architectural pavers. Some of the brick companies, however, supply both clay-based paving materials, as well as custom-molded and color-matched brick for related construction and masonry restoration activities.  $\blacksquare$  — *CL* 

# Instant Access to Product Literature for PAVERS & SPECIALTY BRICK

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- Architectural Facades
   The Brickyard
   Cobblecrete
- Designs in Tile London Tile Co. Robinson Flagstone



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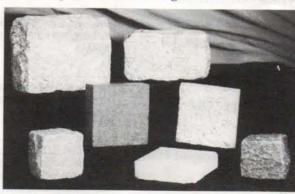
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# TRADITIONAL BUILDING'S CSI# 02500 AVERS & SPECIALTY BRICK SourceList

			P	AVIN	G/E D	GIN	G		ITECT BRICK	UKAL	
COMPANY	SPECIALTY	Literature	Concrete Pavers	Brick Pavers	Quarry Tile	Curbing/Edging	Coping	Special Shapes	Hand Molded	Color Matched	Other
Architectural Murals In Brick 339 NW 82nd St., Dept. TB Seattle, WA 98117 206-789-2838	Custom-designed, hand-carved brick relief works for residential or commercial applications. Over 300 murals and 26 years of project experience. Specialties include historical, regional, and wildlife themes. Call for cost and time estimates.	Free Write in No. 78									Hand-carved brid
Bomanite Corp. P.O. Box 599, Dept. TB Madera, CA 93639 800-854-2094, 209-673-2411	Cast-in-place, monolithic paving offers the look of natural pavers with the durability and economy of concrete. Over 50 patterns and 25 standard colors.	Free	~								
Bowerstown Shale Co. P.O. Box 199, Dept. TB Bowerston, OH 44695 614-269-2921	Manufactures paving bricks in narrow and flashed ranges of reds and earthy browns. Sizes available for pedestrian and light traffic to heavy vehicular.	Free		~							
Brick Institute of America 11490 Commercial Park Dr., Dept. TB Reston, VA 22091 703-620-0010	Trade association provides technical info on all aspects of brick design and construction, including brick paving applications, design, and installation.	Free									Publications
The Brickyard P.O. Box A, Dept. TB Harrisonville, MO 64701 816-380-3366	Source for authentic, unused antique clinker bricks with highly distinctive shapes, colors, and textures that are ideal for constructing hearths and chimney facings.	Free Write in No. 396								~	Clinker bricks, engraved bricks
Buchtal Ceramics 1325 Northmeadow Pkwy, #114, Dept. TB Roswell, GA 30076 404-442-5500	Offers a porcelain series tile which recalls the look of traditional urban pavers and natural stone with dimpled surface and variations in shades. The tiles are suitable for indoor or outdoor use and come in 9 earthy colors.	Free									Porcelain pavers
Castaic Brick Mfg. Co. P.O. Box 8, Dept. TB Castaic, CA 91310 805-259-3066	Manufactures pavers in 5/8 in, 1-1/4 in., and 2-1/4 in. sizes, and is available in 10 colors. Carries 5 styles of manufactured "used" brick, as well as brick veneers.	Free Write in No. 191		~			~			~	Glazed thin brick
Cold Spring Granite Co. 202 S. Third Ave., Dept. TB Cold Spring, MN 56320 612-685-3621	Supplier of domestically quarried granite for building facing (interior and exterior), paving, landscape areas, and industrial uses. Product line includes slabs, thin tile, and Tumblestone — cobblestones made to look worn.	Free Write in No. 220			~						Cobblestones
Connecticut Stone Supplies 311 Boston Post Rd., Dept. TB Orange, CT 06477 203-795-9767	Full masonry supply yard and direct importers of Indian cobblestones and 2 in. granite pavers in gray or rose. Also carries granite pavers in 12 and 18 in. sq., flagging, and fieldstone.	Free			~						Cobblestones
Custom Rock International 1156 Homer St., Dept. TB St. Paul, MN 55116 612-699-1345	Company designs, consults, specifies, and installs specialty concrete products and surfaces. Acid-etched, stained, sandblasted, exposed, textured, colored, and imprinted concrete and precast products, from planters to dinosaurs.	Free	V								Cast-concrete rock surfaces
Eldorado Stone Corp. P.O. Box 27, Dept. TB Carnation, WA 98014 206-883-1991	Supplier of precast concrete and stone products for the building industry, such as the Burnaby Cobblestone Paver. Products are individually molded concrete pavers, curbing and edging which can be color custom matched.	Free	~	~		,					
Endicott Clay Products Co. P.O. Box 17, Dept. TB Fairbury, NE 68352 402-729-3315	Manufactures a complete line of face brick, pavers, and tile. Special shapes for all items as well as lugged pavers and ADA/HDW pavers are also available. Hand-crafted brick murals are produced to coordinate with any design scheme.	Free		~	~		~	V	~	~	Hand-carved brick murals
Florida Brick & Clay Co. 1708 Turkey Creek Rd., Dept. TB Plant City, FL 33567 813-754-1521	Makers of Sunshine Pavers — wirecut, textured pavers manufactured in 1/2 in. or 1 in. thicknesses, standard size (4X8) and special orders (4X4, 6X6, 8X8).	Free		,	,		~				
Grinnell Concrete Paving Stones 482 Houses Corner Rd., Dept. TB Sparta, NJ 07871 201-383-9300	Produces 9 shapes of interlocking concrete paving stones in 9 standard earth-tone colors. Also offers color matching ability.	Free	~		~	~					
Increte Systems 8509 Sunstate St., Dept. TB Tampa, FL 33634 813-886-8811	System of stamped-in-place concrete which creates economical simulations of brick, stone, and other ornamental surfaces.	Free Write in No. 248	~								
Interlocking Concrete Pavement Inst. P.O. Box 1142, Dept. TB Sterling, VA 20167 703-450-4998	Represents U.S. manufacturers of concrete pavers. Member companies produce products in hundreds of colors, shapes, and patterns for residential and commercial walks, drives, and streets. Members list, free installation brochure, etc.	Free	~								
Lewin Brick Lettering 2218 Dixie Highway, Dept. TB Fort Mitchell, KY 41017 606-331-1340	This company engraves special pavers and bricks specifically designed for inscribing names for walkways and fund-raising projects.	Free Write in No. 277									Inscribed bricks
Mortex Mfg. Co., Inc. 1818 W. Price St., Dept. TB Tucson, AZ 85705 602-887-2631	Textured, decorative, cementitious toppings for fresh or existing concrete applications. 11 colors available in premix or concentrate form. Brush or spray application. Also, PVC drainage and concrete crack control joints.	Free Write in No. 301	V								
New London Brick Works P.O. Box 257, Dept. TB Gold Hill, NC 28071 704-279-6901	Custom handmade brick manufacturer; can color match any brick or pavers. Since all products are made to order, the company offers enormous flexibility in regards to special shapes, pavers, coping, and edging.	Free Write in No. 556		~			~	~	~	V	



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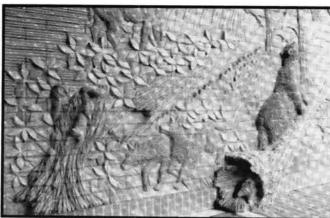


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The Brickyard P.O. Box A Harrisonville, MO 64701 (816) 380-3366 Ask for Kevin Fax (816) 887-5757

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Color Range: Blacks & dark greys, dark reds and browns, reds and pinks, light pinks and light greys, blues and greens

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WRITE IN NO. 220

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# TRADITIONAL BUILDING'S AVERS & SPECIALTY BRICK SourceList CSI# 02500

✓ COMPILED BY SHARON GARBE & CLEM LABINE ARCHITECTURAL BRICK PAVING/EDGING Concrete Paver Color Matched Special Shape Hand Molded Pavers Quarry Tile Coping Brick **COMPANY** SPECIALTY Other Literature Natural granite products in various sizes and colors: New Worldwide Resources, Inc. Write in No. 312 Pavers (split and flame finish), cobble stones, modules 371 College Dr., Dept. TB with single sets laid on reinforced concrete for easy Edison, NJ 08817 installation in various patterns, curb, stair treads, sills, 908-248-3696 bollards, and columns. Will fabricate to specs or will custom design. Fireplace profile Handmade brick; clay is thrown by hand into wooden Old Carolina Brick Co. Write in No. 313 V molds for historically accurate restoration brick. Offers V 475 Majolica Rd., Dept. TB oversize 8-1/2 in. x 2-3/4 in. and standard size. Extensive Salisbury, NC 28147 range of standard shapes, including wall copings, sill brick 704-636-8850 Company offers traditional wood-molded bricks in pavers, Old Virginia Brick Company, Inc. face brick, special shapes, and arches. Paver sizes are Write in No. 90 P.O. Box 508, Dept. TB V modular and 4 X 8. Salem, VA 24153 703-389-2357 Concrete paving available in a wide variety of shapes, Patterned Concrete Industries, Inc. colors, and textures. Product can be made to resemble Write in No. 614 P.O. Box 691015, Dept. TB Tulsa, OK 74169 fancy brickwork, tile, cobblestones, flagstones, etc., with optional grouting. 800-252-4619 Tools and accessories for the paver and retaining wall Free Pave Tech, Probst industry: Pave Edge Rigid, Flex, and Industrial Restraint P.O. Box 31126, Dept. TB Systems; installation tools; cleaners, sealers, and Bloomington, MN 55431 masonry adhesives. 800-728-3832, 612-881-5773 Straight edge Products include: Pavers, face brick, special shape brick, Pine Hall Brick interlocking clay pavers — English Edge, which features beveled edges, spacer nibs, and Old Towne which has Write in No. 513 pavers, P.O. Box 11044, Dept. TB champfered Winston Salem, NC 27116 pavers, intergraltextured edges and antique color. 800-334-8689 colored face brick Champfered Full line of pavers, including a chamfered line with smooth Richtex Corp. Write in No. 213 pavers or wire cut textures. Products sizes are: 3-5/8, 7-5/8, P.O. Box 3307, Dept. TB Columbia, SC 29230 803-786-1260 Brick veneer High-quality extruded concrete tiles and veneer bricks. Ro-Tile, Inc. Write in No. 321 Products are dense, durable, offer slip resistance, and 1615 S. Stockton, Dept. TB excellent freeze-thaw characteristics, and are naturally Lodi, CA 95240 beautiful. Wide variety of shapes and stock and custom 209-334-1380 Serves the trade with design and fabrication of Pennsylvania Bluestone. Specializes in custom-cut wall Treads, flagstone Free Robinson Flagstone Write in No. 979 P.O. Box 208, Dept. TB coping, treads, and flagstone, complete with numbered Fort Washington, PA 19034 stones and shop drawings. Also used for fireplace 215-646-3500 Free Manufacturers of glazed and unglazed natural paver tiles Seneca Tiles, Inc. for interior, residential, and commercial use. Custom color 7100 S. Country Rd., #23, Dept. TB and shapes; frost-proof tiles; slip-resistant surfaces. Attica, OH 44807 800-426-4335, 419-426-3561 Company offers bricks in a wide variety of colors and Free Southern Brick textures, all of which can be used with or without mortar. P.O. Box 208, Dept. TB Colors include the popular flashed range and the warm, Ninety Six, SC 29666 803-543-3211 Handmade concrete pavers in an extensive range of Stone Krete Tile Products sizes (4X4 to 24X24) in 26 colors and 7 finishes, including Write in No. 537 1925 N. Potrero Ave., Dept. TB a sandblast series offering superior slip resistance. El Monte, CA 91733 Custom colors, various pattern designs, pool coping, and 818-575-1668 Manufacturer of concrete pavers and precast concrete Wausau Tile, Inc. site furnishings: Waste containers, bollards, benches. Write in No. 412 P.O. Box 1520, Dept. TB planters, tree grates, and signs. Wausau, WI 54402 800-388-8728, 715-359-3121 Paving brick in varying thicknesses and sizes in 10 color Yankee Hill Brick & Tile ranges. Firm also supplies pool coping, and makes brick

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The PRESERVATION BRIEFS series of practical how-to technology brochures from the Preservation Assistance Div. of The National Park Service contains three BRIEFS of particular interest to people involved with Main Street and Downtown Revitalization programs:

• Preservation Brief #11 — Rehabilitating Historic Storefronts by H. Ward Jandl

in custom shapes, sizes, and colors.

• Preservation Brief #12 — The Preservation of Historic Pigmented Structural Glass (Vitrolite and Carrara Glass)

Preservation Brief #25 — The Preservation of Historic Signs by Michael J. Auer.

These Preservation Briefs can be ordered from the Government Printing Office. Briefs #11 and #12 are available only as parts of a set of Briefs #1-14 (GPO Stock No. 024-005-01026-2 for \$13). Brief #25 (GPO Stock No. 024-005-01086-6) is available for \$1. Be sure to use the GPO Stock No. when ordering from: Supt. of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954.

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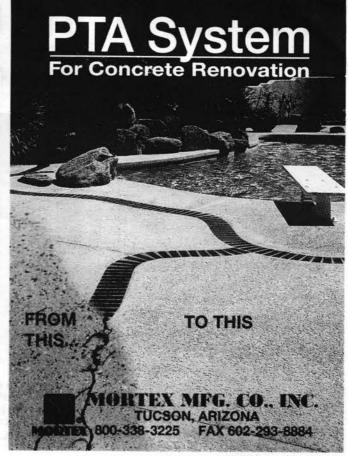


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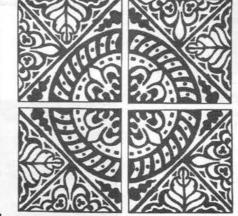


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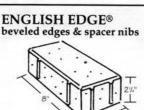
world's most generous deposits of top quality brickmaking clay. Since its founding in 1950, bricks made from this clay have won the company a reputation for quality and service. Today's Castaic Brick makes use of an ultramodern

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For more information on these companies, consult the SourceList on pp. 34-36.



"Tumblestone" by COLD SPRING GRANITE CO. replicates the look of worn European streets. Cobblestone pavers are split to size, then tumbled against each other to create an aged look. Write in No. 220

ENDICOTT CLAY PRODUCTS CO. manufactures special shape bricks in a multitude of sizes and textures.

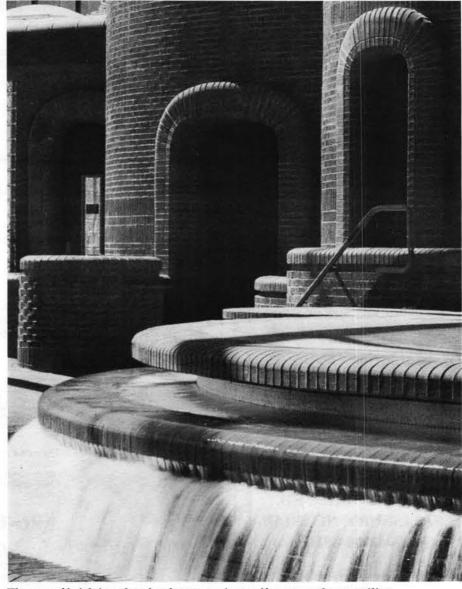


This front stoop is made of standard size "Old Williamsburg" in a herring-bone pattern with half round bullnose step stread and 8X8 in. corners. OLD VIRGINIA BRICK Write in No. 90





The "Old Stone Series," porcelain pavers by BUCHTAL CERAMICS, is offered in 6X6 in. formats and triangles with 1/2 in. thickness in 9 earthy colors.



The use of brick in urban landscape projects offers warmth, versatility, durability, and economy. Shown above is Patriots Square, Phoenix, Ariz. Technical information on all aspects of brick design and construction is available from THE BRICK INSTITUTE OF AMERICA.



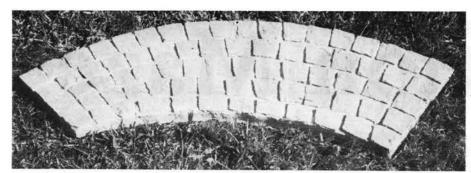
The multi-hued, natural-cleft bluestone used in this pathway offers an attractive pattern, as well as a durable and non-slip paving surface. ROBINSON FLAGSTONES Write in No. 979



CASTAIC BRICK MFG. CO. offers 5 styles of manufactured "used" bricks, as well as wall veneers and pavers. Write in No. 191

# SPECIALTY BRICK & PAVERS PORTFOLIO

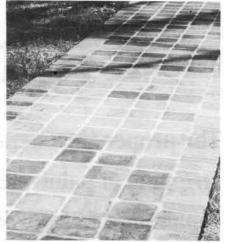
For more information on these companies, consult the SourceList on pp. 34-36.



Natural granite pavers, cobblestones, curbing, steps, benches, and more are available from NEW WORLDWIDE RESOURCES, INC. Write in No. 312



Pink and gray hand-trimmed cobblestones from CONN STONE SUPPLIES



Custom handmade brick pavers from NEW LONDON BRICK WORKS. Write in No. 556



"Basketweave Brick" is one of the more than 90 cast-in-place patterns available from BOMANITE CORP.



THE BRICKYARD INC.'s authentic clinker bricks add an unusual design element to installations. The clinkers are available in colors ranging from orange-red to purplish-black. Write in No. 396





PINE HALL BRICK manufactures pavers specifically designed for sand installations. Shown above are "English Edge" (top) and "Old Towne." Write in No. 513



PATTERNED CONCRETE INDUSTRIES, INC. offers a rugged concrete product that can resemble brick, tile, or cobblestones in a variety of patterns, colors, and textures, with optional grouting. Write in No. 614



OLD CAROLINA BRICK CO.'S Charlestown #440 hand made bricks were used for the The Lannigan Office, located in Thomasville, Ga. Write in No. 313



This drawing shows WAUSAU TILE's "Terra System One Method" for a sloped base installation. Terra Pavers rest on tabs designed to hold the pavers on adjustable supports. Write in No. 412

# The Masonry Conservation Maze

The proper treatment of masonry — stripping of paint, cleaning, repointing, repair, and waterproofing — is the most complex subject in the preservation arena.

BY CLEM LABINE

There have been more disasters in masonry restoration than any other building restoration category. Almost 20% of the National Park Service's *Preservation Briefs* (six out of 32) are devoted to some aspect of exterior masonry restoration — a greater proportion than is devoted to any other preservation topic. The proper cleaning and waterproofing of stone buildings, especially, can involve sophisticated chemistry. Because masonry conservation can be so complex, it's not surprising to find a welter of conflicting claims and advice in the field.

One major source of problems is contractors unfamiliar with the complexities of old buildings. Many of them have pet materials and processes that they want to use on *every* job. This "one-size-fits-all" approach can have disastrous consequences for historic buildings.

Because of the conflicting claims of materials suppliers and contractors, on some masonry restoration projects there are two groups of professionals involved. The first group: Masonry conservators who analyze the specific building problems, make recommendations, write specifications for materials and methods to be used, and (sometimes) supervise the work of the contractor who is finally selected. The second group is made up of the people on site who are actually doing the work: The various exterior contractors — sometimes assisted by technical support people from manufacturers supplying the materials that have been specified. For example, Integrated Conservation Resources (see the *SourceList* on pp. 42-44) is a building conservation consultant whose primary role is to make technical recommendations on materials and treatments that will be executed by a separate masonry contractor.

Naturally, in this report on Masonry Restoration, we can't tell Main Street project managers everything there is to know about masonry conservation and repair. What we can do, however, is provide a checklist of some of the most common danger areas. For more detailed technical advice, you can contact the companies on the *SourceList*, who have a wide range of experience in dealing with old buildings.

REPOINTING — The mortar joints between brick and stone are designed to be softer than the masonry units; it is expected that the mortar with have to be replaced (repointed) every 50-100 years. The most common mistakes made in repointing are: (1) Careless use of rotary carbide wheels to rake out the old mortar. In unskilled hands, these disks can widen the joint and cut into adjacent brick or stone; (2) Using a portland cement mortar that is harder than the mortar in the rest of the wall; (3) Using a mortar of improper color; (4) Allowing the

mortar to overlap the brick or stone. It's not unusual to see a sloppy repointing job transform a handsome brick wall into what looks like a wall of mortar interspersed with tiny bricks.

**PAINT STRIPPING** — The current popular aesthetic dictates that all painted brick should be stripped down to the "natural" brick. Sometimes, this is a mistake. Some older 19th-century brick is soft and porous and was originally painted to prevent water penetration. Other times, a brick building may have been painted to camouflage sloppy repair jobs. Many an enthusiastic building owner has been dismayed by the appearance of the brickwork that emerged from beneath the paint.

There have been enough warnings over the years about the dangers of removing paint by abrasive cleaning (especially sandblasting) to make further cautions redundant. But you still find enough brick buildings newly gouged and abraded by sandblasting to realize that some people haven't gotten the message.

The preferred paint removal method is to use of one of the available chemical paint strippers. The leading suppliers are included on the *SourceList*.

**CLEANING** — Cleaning dirt and graffiti from unpainted brick and terra cotta is a relatively straightforward task. A number of the *SourceList* companies supply chemical cleaners that have considerable track records on landmark buildings.

Cleaning stone is another matter. In inexperienced hands, chemical cleaners can react with minerals in the stone, producing unexpected staining or efflorescence. Many experienced building conservators try to clean stone simply with several days of water misting followed by a low-pressure water rinse. If water alone won't do the trick, make sure you have sound technical advice before applying chemicals to landmark stone buildings. And whatever the masonry type, always do a small test patch in an inconspicuous place before committing yourself to the full-scale process.

WATERPROOFING — Waterproofing through carefully done re-pointing and re-caulking of construction joints is universally considered sound practice. Waterproofing by applying a masonry sealer to an entire wall surface is a more complicated matter. In areas with freeze-thaw cycles, brick buildings have been damaged by sealers that trap water vapor *inside* the brickwork, which can cause spalling. Before applying a masonry sealer, it's a good idea to get advice from a masonry conservation expert who has experience with landmark buildings. ■

# SPECIALTY CUSTOM BRICK

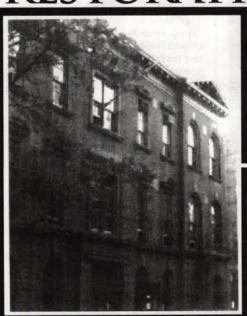
There are a number of brickmakers who will supply hand-molded, custom-matched, and other specialty brick for patching, additions, and the like. A number of these specialty brick sources are listed below. Full contact information for these companies will be found on the Pavers & Brick *SourceList* in this issue on pp. 34-36.

• The Brickyard • Castaic Brick Mfg. Co.

New London Brick Works • Old Carolina Brick Co.

• Old Virgina Brick Co. • Pine Hall Brick • Yankee Hill Brick & Tile

# RESTORATION CONCEPTS



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WRITE IN NO. 319

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- Ahrens Chimney Technique
- Boston Valley Terra Cotta
- The Brickyard
- Golden Flue Systems
- National Supaflu Systems
- Robinson Flagstone



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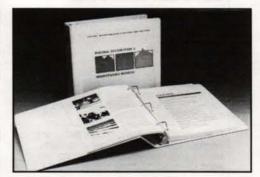
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SWRI is a non-profit association whose purpose is to promote the exchange of ideas for the development of the highest standards and operating efficiency within the sealant, waterproofing and restoration industry.



# MASONRY RESTORATION SourceList

COMPANY	SPECIALTY	Literature	Brick,Stone Cleaners	Paint Strippers	Masonry Patching Materials	Replacement Stone	Brick Matching	Terra Cotta Replacement	Graffiti Removal	Other Produ	cts & Services
Abatron, Inc. P.O. Box 217, Dept. TB Gilberts, II. 60136 800-445-1754	Restoration systems include LiquidWood - a penetrating epoxy wood consolidant and WoodEpox - an epoxy wood paste for wood replacement; Abocrete for patching and resurfacing concrete; and Abojet for crack -injection; and MasterMold compound for moldmaking.	Free Write in No. 130			~					Mold-making	resins
American Building Restoration Products 9720 South 60th Street, Dept. TB Franklin, WI 53132 414-421-4125	Manufactures a wide array of masonry cleaners, strippers, and sealers. Masonry restoration products are sold through dealers.	Free	~	~					~	Waterproofers	
AOI Waterproofing 649 Morgan Ave., Dept. TB Brooklyn, NY 11222 718-388-0900	Terra cotta replacement in precast concrete and GFRC. Complete exterior restoration services, including repair of limestone, brick, and other structural work.	Free Write in No. 45					~	~	145	Masonry clear pointing & cau limestone, brid	ning, waterproofing, Iking, repairs on ck, terra cotta
Apple Restoration and Waterproofing 132 Bedford Ave., Dept. TB Brooklyn, NY 11211 718-599-5055	Field specialist in cleaning, restoration, repair, and installation of terra cotta and other traditional and historic masonry materials. Contractors.	Free					~	~		Masonry clear pointing & cau limestone, brid	ning, waterproofing, Iking, repairs on ek, terra cotta
Ball Consulting 338 14th St., Suite 201, Dept. TB Ambridge, PA 15003 412-266-1502	Supplies Forton modified gypsum casting system for the replication and replacement of exterior molded ornament. Also provides consulting, studio training, prototyping, and technical services.	Free Write in No. 726			~					Polytek moldir polymer-modif systems, GFF	ng systems, Forton ied gypsum casting C
Boston Valley Terra Cotta 6860 S. Abbott Rd., Dept. TB Orchard Park, NY 14127 716-649-7490	Produces architectural terra cotta for like-kind facade replacement. Site and survey work; drawings and photos; moldmaking; fine detail work. Restoration and new construction.	Free Write in No. 16						-		Custom castin	g of terra cotta
Briar Hill Stone Co. 12470 State Route 520, Dept. TB Glenmont, OH 44628 216-377-5100	Custom-cut and carved sandstone to match original architectural elements. Many colors of sandstone. Stone for both restoration and new construction.	Free Write in No. 89				~					
Cathedral Stone Products 8332 Bristol Court, Suite 107, Dept. TB Jessup, MD 20794 301-317-4658	Jahn Restoration Mortars are cement-based materials that are custom-made to closely match the physical and visual properties of the substrate. Casting mortar and injection grouts available.	Free			~						
Cathedral Stoneworks 1047 Amsterdam Ave., Dept. TB New York, NY 10025 212-316-7457	Sophisticated architectural sculpture and carved stone executed by international teams of master carvers. Hand embellishment of profiled moldings produced with CAD,CAM technology. Fast turnaround and high volume capacity.	Free				V				Custom stone carving	
CINTEC America, Inc. 700 Cathedral St., Suite 102, Dept. TB Baltimore, MD 21201 800-363-6066	Stainless steel/cementitious anchors pin loose masonry and terra cotta. Customized units are resinfree and carry 2-hr. fire rating. Have been used on many historic landmark projects in the U.K. and North America.	Free								Masonry anch	ors
Conproco Coatings P.O. Box 16477, Dept. TB Hooksett, NH 03106 800-258-3500, 603-626-5100	Manufacturer of products for the repair, restoration, and protection of concrete, masonry, and stone. "Mimic" is a color-matched repair mortar for substrates such as limestone, sandstone, terra cotta, brownstone, and cast concrete.	Free Write in No. 481			V					Color-matched mortar	I masonry repair
Delaware Quarries, Inc. Rte. 32, River Road, Dept. TB Lumberville, PA 18933 215-297-8133	Specialists in cutting to architectural specifications and matching replacement stone to existing wall conditions. Large inventory; custom blends for building renovation.	Free				~					
Design-Cast Materials Division 951 Pennsylvania Ave., Dept. TB Trenton, NJ 08638 609-392-1922	Interior and exterior custom-molded ceramic stone laminates (columns, cornices, etc.) designed for non-loadbearing applications. Material can be colored and molded to match stone, wood, terra cotta, and metal.	Free Write in No. 651				~		V		Custom-molde ornament	d replacement
Diedrich Technologies 7373 So. 6th St., Dept. TB Oak Creek, WI 53154 800-323-3565	Professional restoration chemicals for building exteriors: Masonry cleaners, water-repellant sealers, paint removers for both masonry and wood. Chemicals sold only to distributors.	Free	~	~						Waterproofers	
DMS Studios 5-50 51st Ave., Dept. TB Long Island City, NY 11101 718-937-5648	Sculpture studio specializes in traditional cast and handcarved stone architectural and landscape ornaments and elements. Will sculpt, carve, model, or fabricate anything in stone.	Free Write in No. 910				~				Custom stone ornament	carving and cast
D.E. Dodroe Co. P.O. Box 22331, Dept. TB Seattle, WA 98122 206-722-6481	Restoration of terra cotta, stone, and other masonry materials.	Free Write in No. 601	361					~		Sculpture	
Dominion Restoration 2251-B Dabney Road, Dept. TB Richmond, VA 23230 804-359-4400	Makes 22 mild and environmentally safe paint strippers and masonry cleaning solutions for cleaning all surfaces, including tile and terra cotta. Products contain no mineral acids.	Free Write in No. 231	~	~					~	Efflorescence	removal
Downstate Restorations 1944 W. Superior, Dept. TB Chicago, IL 60622 312-738-3256	Contractor, consultant for specialized cleaning, pointing, paint stripping, and restoration of building facades to Secty. of Interior standards. Historic research, specification preparation, field testing.	Free			V		0			Masonry clear pointing & cau maintenance	ing, paint stripping, king, facade
Dumond Chemicals - Peel Away 1501 Broadway, Dept. TB New York, NY 10036 212-869-6350	'Peel Away' paint removal system: A paste covered with fabric that lifts paint away. Easy cleanup and disposal. Several formulations; especially suited for intricate ornament and lead abatement; no fumes, no flammable solvents.	Free Write in No. 590		~						Lead-abateme	nt system
Edison Chemical Systems 25 Grant Street, Dept. TB Waterbury, CT 06704 203-597-9727	Custom repair materials for stone, masonry, and concrete. Terra cotta glaze replacement system. Custom matching of sandstone, terra cotta, granite, brick, and concrete. Waterproof decorative coatings, penetrating sealers, color stain, antigraffiti coatings, crack repair, adhesives.	Free Write in No. 215			~						one, & concrete ion, & maintenance



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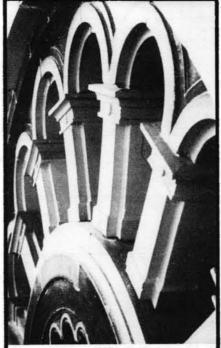
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Restoration specialists and specifiers have been asking themselves this question for years when faced with using harsh hydrofluoric and sulfuric acid based cleaners. If you have too, consider joining the long list who have switched to mild and safe restoration using Dominion products. With over 20 products available, Dominion can provide the results you want and the safety you and the environment deserve. Dominion's advanced technology allows you to effectively and safely restore architectural surfaces including masonry, marble, granite and other sensitive stone, as well as other surfaces found on commercial buildings and historic properties. Now that you have a choice, why not specify Dominion products on your next project?

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## **DOMINION RESTORATION, INC.**

2251-B Dabney Road Richmond, Virginia 23230-3329 USA

Tel: 804-359-4400 Fax: 804-353-5122

"America's Leader in Restoration Technology"

WRITE IN NO. 231



Replacement of architectural terra cotta in terra cotta, pre-cast concrete, or GFRC.

Restoration of brick, limestone and structural steel. Commercial • Residential • Municipal

# AOI WATERPROOFING, INC.

649 Morgan Avenue • Brooklyn, NY 11222 (718) 388-0900

Contact: Peter Buchman, President



# TRADITIONAL BUILDING'S CSI# 04500 ASONRY RESTORATION SourceList

COMPANY	SPECIALTY	Literature	Brick, Stone Cleaners	Paint Strippers	Masonry Patching Materials	Replacement Stone	Brick Matching	Terra Cotta Replacement	Graffiti Removal	Other Produ	ucts & Services
General Restoration Co. 880 E. 141st St., Dept. TB Bronx, NY 10454 718-585-4141	Major contractor specializing in restoration of commercial and landmark facades: Masonry cleaning, pointing, caulking, and waterproofing. Repair and replacement of brick, stone, and terra cotta.	Free Write in No. 238				V	~	,		pointing & ca	ning, waterproofing, ulking, repairs on ck, terra cotta
Graciano Corp. 7925 Hill Avenue, Dept. TB Pittsburgh, PA 15221 412-242-5700	Specialists in masonry restoration, tuck pointing, facade cleaning, caulking and sealants, waterproofing, stone work, and specialty terra cotta repair and replacement.	Free						~		Masonry clea pointing & car maintenance	ning, waterproofing, ulking, facade
Integrated Conservation Resources 10 Columbia Place, Dept. TB Brooklyn, NY 11201 718-858-5648	Architectural conservators and skilled craftspeople who offer a full range of consulting services, addressing all building materials, as well as full masonry restoration services, condition surveys, field mock-ups, comprehensive project planning and management.	Free Write in No. 272				~	V		V	Masonry clea pointing & car maintenance	ning, paint stripping ulking, facade
K&E Chemical Company 3960 E. 93rd Street, Dept. TB Cleveland, OH 44105 216-341-0500	Manufacturer of 'Klenztone' formulations for the professional paint stripping, cleaning, maintaining, and protection of natural stone, brick, and concrete.	Free Write in No. 497	-	~						Surface preparation of the coating maso	aration chemicals fo nry surfaces
Kay Waterproofing Corp. 211 East 123rd Street, Dept. TB New York, NY 10035 212-348-3300	Serves greater New York and New Jersey in all areas of building facade maintenance, repair, and restoration. Noted as specialists in leak detection and preventive maintenance. Also: Roofing repairs.	Free Write in No. 591						~		Masonry clea pointing & car maintenance	ning, waterproofing, ulking, facade
Limestone Concepts 1948 Del Amo Blvd., Unit D Torrance, CA 90501 310-787-1661	Offers fabrication of limestone architectural pieces carved in the French tradition, from Gothic to contemporary styles. Projects include architectural ornament, fountains, columns, moldings, benches, statuary, and more.	Free Write in No. 539				V				Custom-carve	ed stone
Marble Lite 255 5th Avenue, 3rd Floor, Dept. TB New York, NY 10016 212-779-8305	Refinishing of marble, terrazzo, granite, and other stones. Stain removal and crack repair. Restoration of floors, walls, lobbies, bathrooms, steps, and fireplaces. Commercial and residential.	Free Write in No. 300								Marble cleani polishing	ng, restoration,
Master Bond, Inc. 154 Hobart Street, Dept. TB Hackensack, NJ 07601 201-343-8983	Manufactures a line of masonry repair,consolidation epoxy materials: Adhesives, sealants, and coatings.	Free			~						
Portland Brownstone Quarries 130 Braemar Drive, Dept. TB Cheshire, CT 06410 203-250-1502	Producer of Portland brownstone quarry blocks. Can arrange to have blocks fabricated to final product, such as ashlar, veneer, sills, lintels, treads, etc. Also produce rough veneer, wallstone, and flagstone.	Free				~					
ProSoCo, Inc. PO Box 171677, Dept. TB Kansas City, KS 66117 913-281-2700	'Sure Klean' masonry cleaners, paint strippers, and graffiti removers have been used extensively on historic buildings. 'Enviro Klean' paint and coating removers for lead paint abatement reduce risks associated with conventional chemical strippers and simplify disposal.	Free Write in No. 669	V	~	~				V	consolidation, pigeon contro	ning, stone & brick waterproofing, I netting, chemical burse, anti-graffiti
Rawlplug Co. 200 Petersville Rd., Dept. TB New Rochelle, NY 10802 914-235-6300	Manufactures a broad line of concrete, masonry, and adhesive anchors.	Free					5-4			Masonry anch	ors
Restoration Concepts Corp. 432 Austin Place, Dept. TB Bronx, NY 10455 718-402-3400	Stone repair and replication, masonry cleaning and pointing, terra cotta repair and resetting, brick removal and replacement, brownstone repair and replication, quarry tile deck replacement. Probes, investigations, and reports.	Free Write in No. 319					~	~		Masonry clear pointing & cau limestone, brid	ning, waterproofing, Iking, repairs on ck, terra cotta
Schuylkill Stone, Inc. RR #1 Box 1188, Dept. TB Schuylkill Haven, PA 17972 717-385-4221	Manufactured Eldorado Stone building stone veneer for a wide range of building renovation and new construction projects.	Free Write in No. 356				~					
Sealant, Waterproofing & Restoration Inst. 3101 Broadway, Suite 585, Dept. TB Kansas City, MO 64111 816-561-8230	Non-profit educational association with a wide variety of manuals and publications on many subjects in the building restoration, maintenance, and waterproofing fields. Complete publication list available.	Free Write in No. 625								Manuals and masonry and	publications on waterproofing.
Smooth-On 1000 Valley Rd., Dept. TB Gillette, NJ 07933 800-762-0744	Extensive line of mold-making rubber compounds that can be poured or brushed on; economical and easy to use. Technical help available; free working samples and \$15 video describes making a brushon mold. Distributed internationally.	Free Write in No. 65								Rubber mold casting resins	compounds, rigid
Synair Corp. P.O. Box 5269, Dept. TB Chattanooga, TN 37406 615-698-8801	Manufactures a flexible, economical, two- component mold-making system. Used in the studio or for making in-situ molds in the field. Also: Two- component urethane casting resin.	Free Write in No. 725								Mold-making a	and casting material
Thoro System Products 7800 NW 38th Street, Dept. TB Miami, FL 33166 800-327-1570	Manufactures a broad range of waterproofing products, including six different formulations of clear water repellents.	Free								Waterproofing	products
Tuff-Kote Co. 210 N. Seminary Ave., Dept. TB Woodstock, IL 60098 815-338-2006	Manufactures a masonry crack-bridging system consisting of an open-weave glass fiber fabric that is embedded in a heavy-bodied pigmented compound. System permits cracks to move without causing re-cracking or leaks.	Free			~						
Van Horn, Metz & Co. 201 E. Elm Street, Dept. TB Conshohocken, PA 19428 215-828-4500	Supplies natural clay poultices for cleaning building surfaces and statuary safely and economically. Removes dirt deposits, salts, etc. Will not affect stone's integrity or surface detail.	Free	~							Poultice mater	ials

# rchitectural Stone

Our locally manufactured building stone veneer - made from natural stone components - is ideal for both commercial and residential projects.



Its unique features:

- Lightweight
- Durable
- Molded exactly to simulate any stone
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- Inexpensive
- Fireproof
- Maintenance free
- No special structural support needed

Schuylkill Stone, Inc. RD#1 Box 1188, Schuylkill Haven, PA 17972 717-385-4221 Fax 717-385-5293

WRITE IN NO. 356



RESOURCES, INC.

10 COLUMBIA PLACE

BROOKLYN, NY 11201

TEL: (718) 858-5648 FAX: (718) 858-5657

SUCCESSFUL RESTORATION PROJECTS BEGIN WITH A THOROUGH UNDERSTANDING OF THE MATERIALS BEING TREATED

Integrated Conservation Resources, Inc. facilitates any project by combining comprehensive conservation services with the implementation of conservation procedures. Our services include

- · Existing conditions surveys
- Materials analysis
- Restoration program development
- Site Supervision
- Project Implementation

From the laboratory to the scaffold, our staff of conservators, scientists, and craftsmen ensure a consistent, high level of project quality

WRITE IN NO. 272



PEEL AWAY Paint

Miller

### THE OBVIOUS SOLUTION FOR RESTORATION PROBLEMS

The PEEL-AWAY Paint Removal System is a unique package of specially developed chemicals, machinery and expertise designed to remove multiple layers of paint efficiently and safely from most surfaces. Up to thirty (30) coats of paint have been removed in a single application and there are NO **FUMES AND NO FLAMMABLE** 

**SOLVENTS. PEEL-AWAY works** well on most surfaces ie: wood, plaster, brick, masonry, cast iron, marble, fiber glass, etc. It is especially effective in removing paint from intricate detailed and carved areas. It is the safest system for removing old lead based paint.

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WRITE IN NO. 590

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Bring your marble back to life building maintenance



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- and other Stones Refinished
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All New Techniques used "Diamond Disks" FREE ESTIMATES RESIDENTIAL TOMMERCIAL (212) 779-8305

255 Fifth Avenue = 3rd Floor = New York, NY 10016 = Fax (212) 725-2562

WRITE IN NO. 300



WRITE IN NO. 669



# KAY WATERPROOFING CORPORATION

211 E. 123rd Street New York, NY 10035

(212) 348-3300 (212) 348-3642 (FAX)

Specialists since 1970

- WATERPROOFING
- BRICKWORK
- ROOFING
- LOCAL LAW #10

SHOW US YOUR LEAKS - WE'LL GUARANTEE TO SOLVE THE PROBLEM!

Steve Katz, President Barry Grummer, Vice President Lori Ann Simon, Director of Marketing

KAY WATERPROOFING CORPORATION The Company You Keep.

WRITE IN NO. 591

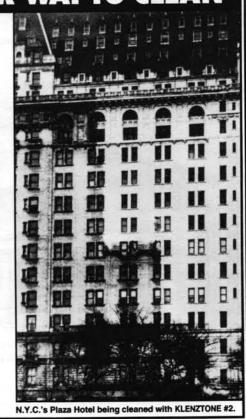
# THE SUPERIOR WAY TO CLEAN

- •LIMESTONE •SANDSTONE •CONCRETE •GRANITE •MARBLE •FIELD STONE •STUCCO
- PIGMENTED CONCRETE

#### MASONRY RESTORATION WITHOUT SURFACE DAMAGE

Our two exterior cleaning formulas are the safest and easiest systems for cleaning masonry surfaces. Non-hazardous and environmentally safe, KLENZTONE penetrates the pores and releases dirt so it can be rinsed clean. Brushed, sprayed, or rolled on, KLENZTONE cleans, brightens, and preserves all weathered and grimy masonry surfaces. And no expensive equipment is required. Call us today for a free sample. One simple patch test will prove KLENZTONE's superiority. (Also ask about our interior stone cleaning prod-

3960 E. 93RD ST., **CLEVELAND, OHIO 44105** PHONE (216) 341-0500 FAX (216) 341-1651



# MASONRY RESTORATION PORTFOLIO

For more information on these companies, consult the SourceList on pp. 42-44.





DOMINION RESTORATION specializes in mild masonry cleaners that avoid the use of mineral acids. In the top photo, "Bio-Cleanse" is used to remove dirt, mold, and mildew from brick pavers (the reaction with organic matter turns the material white.) After a 20-minute soak, a water wash leaves the brick completely clean. Write in No. 231



Graffiti on this downtown retail store is powered off with 800 Fast Acting from AMERICAN BUILDING RESTORATION. The strong high-alkaline cleaner was designed for use when graffiti has marred unpainted masonry.



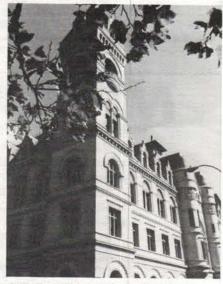
This 1854 tavern in the downtown mainstreet square of Gettysburg, Pa., had layers of old paint removed with DIEDRICH Paint Remover 606, then cleaned with Brick Restorer 101.



On this major commercial building, AOI WATERPROOFING is replacing approximately 2,000 terra cotta units with pre-cast concrete and GFRC on two cornice bands. Write in No.~45



A craftsman from GENERAL RESTORATION CO. removes existing deteriorated sealant from construction joints, prior to recaulking with a longlife acrylic terpolymer sealant. Write in No. 238



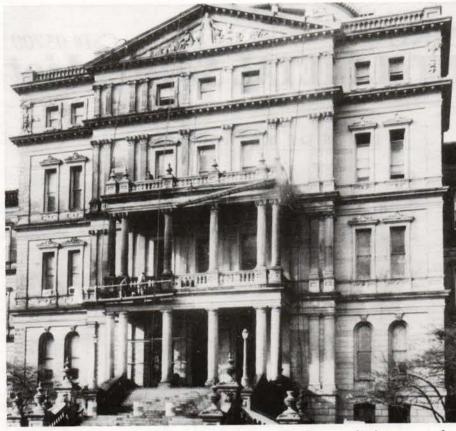
GRACIANO CORP. handled the \$4.5-million exterior masonry restoration on this 1892 landmark Romanesque Revival post office. The contracting firm executes large masonry preservation, repair, and restoration projects coast to coast.

# MASONRY RESTORATION PORTFOLIO

For more information on these companies, consult the SourceList on pp. 42-44.



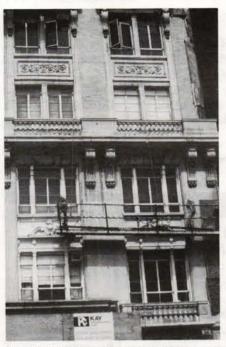
For the restoration of Grand Central Terminal in New York City, INTEGRATED CONSERVATION RESOURCES developed recommendations for treatment of all interior masonry materials, and conducted a survey of all pointing and patching mortars on the exterior. Write in No. 272



The Michigan State Capitol has decades of accumulated soot and grime removed with Klenztone #1 from K&E CHEMICAL CO. Write in No. 497



The historic brickwork and limestone trim of the Denver Dry Goods building, in downtown Denver, CO, had disappeared under a dozen layers of hazardous lead-based white paint averaging 1/8" thick. After extensive testing, it was found that the PEEL AWAY 1 system from DUMOND CHEMICALS would remove all the layers of paint in one application, while safely keeping all the lead-paint safely contained on the peel-off cloth. Write in No. 590



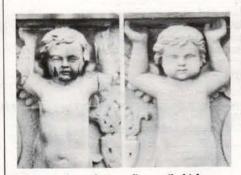
KAY WATERPROOFING CORP. carried out a total program of masonry repair, cleaning, and waterproofing on this landmark building. Write in No. 591



The contour generating machine in the mill of BRIAR HILL STONE CO. permits economical cutting of custom jobs. Shown above is the upper replacement cornice, bonnet, and lower cornice in cut sandstone, fabricated for the restoration of Meadowport Arch, Prospect Park, Brooklyn, N.Y. Write in No. 89



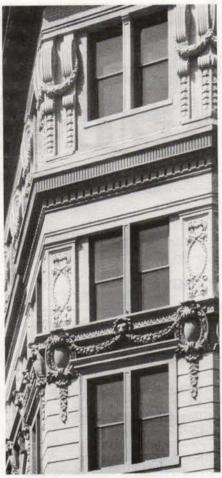
Exterior molding is repaired with Conpro-set — a polymer-modified all-purpose patching cement that can be shaved to final form. CONPROCO makes a wide range of masonry repair and restoration products. Write in No. 481



Damaged sandstone figure (left) has been restored (right) with Custom System 45 from EDISON CHEMICAL SYSTEMS. Write in No. 215



The invisible "sock-and-pin" masonry anchoring system from CINTEC was used to re-secure loose masonry elements on this historic church.



The terra cotta ornament on this San Antonio building lay hidden for years beneath layers of white paint. The terra cotta was restored to pristine beauty with PROSOCO's "Heavy Duty Paint Stripper." Write in No. 669



On this university building, craftsmen from RESTORATION CONCEPTS are engaged in a cornice restoration/ rebuilding project: Steel armatures cleaned and repaired, new steel shelf angle put in place, and new cast concrete elements and salvaged terra cotta masonry installed. Write in No. 319

# Metalwork Re-Emerges On Main Street

The products of Vulcan's forge are once again being accorded a place of honor in the temples of commerce.

One of the mainstays of the traditional downtown shopping district is the metalwork amenities that make the streetscape so inviting: Historic luminaires and standards, cast-iron benches and tree grates, and wrought-iron fencing and gates. Ornamental metalwork was one of the casualties of the less-is-more remodelings of Main Street that took place during the 1950's through the 1970's. But now that the economic value of a traditional Main Street is being recognized

CLIP and FILE

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Let the metalwork pros detail your ironwork for workable design within budget.

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FINE ARCHITECTURAL METALSMITHS

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Chester, NY 10918

Phone (914) 651-7550 Fax (914) 651-7857

Because award-winning landscapes deserve award-winning ironwork.

WRITE IN NO. 264

all across the country, the demand for historically styled exterior metalwork is increasing accordingly.

One of the main attractions of metalwork is its ability to be easily and economically fabricated into ornamental surfaces and shapes: Filigreed cresting, sculptural canopies, eye-catching weathervanes and finials, sheetmetal cornices — and even entire cast-iron facades.

Another characteristic of ornamental metal — especially cast metal — that makes it popular with downtown planners is its durability. Through trial-and-error, Main Street managers have learned to take the long view and consider maintenance costs and longevity when specifying materials for downtown revitalizations. Looked at over the full life cycle, cast metal — especially for applications that have high public exposure — is more economical than many ersatz materials that carry smaller initial price tags. As an extra benefit, metalwork is more easily repaired than many of the lookalike materials.

To assemble the following SourceList of Exterior Ornamental Metalwork suppliers, we contacted 109 companies. From the replies, we selected the 43 firms listed here as being the most relevant for our readers. Some of the manufacturers, like Robinson Iron, have been in continuous production for decades, and can cast benches and fountains from original 19th century molds. Others, such as Architectural Iron Design and J.G. Braun Co., supply stock ornamental cast and wrought elements that a local ironworker can incorporate into your own custom designs. Still other shops, like Forging A Future, essentially offer the skills of individual artists to custom-replicate missing elements — or to realize almost any design imaginable in metal. Mike Chisham, proprietor of Forging A Future, stresses the importance of bringing the artist or craftsperson in during the early stages of design to take full advantage of his or her experience. "In blacksmithing, you have an unlimited variety of shapes and forms. One is only limited by imagination. But the ironworker's knowledge of production processes and techniques, if utilized early in the design process, can help formulate successful designs that are also economical to produce." — SG

EXTE	RADITIONAL B	UILDI MEN'	NO TA	G's	N	M)	E']	ľA	L	S	01	u1	rc	CSI# 0.	5700 <b>S</b>
	BY SHARON GARBE														
		1		Т	Y P	E S	O F	M I	TA	LW	OR	K			
COMPANY	SPECIALTY	Literature	Fences & Gates	Cornices	Canopies	Cresting	Grilles	Vanes & Finials	Vault Lights	Furnishings	Sculpture	Storefronts	Doors & Entries	Other	% Custom
Adornments For Architecture 309 Hollow Rd., Dept. TB Staatsburg, NY 12580 914-889-8390	Custom fabricator creates finials, capitals, cresting, and other architectural embellishments in cast aluminum, bronze, FRP, and wood. Design collaboration, pattern and model making.	Free Write in No. 749	*	*	*	*	*	*			*	,,			50%
All Ornamental Iron Work P.O. Box 52, Dept. TB Gilbertsville, PA 19525 610-754-9790	Custom design and fabrication of gates, fences, railings, stone or brick columns and walls, and automatic gate openers. Other products: Fountains, furniture, lighting posts, and copper-roofed gazebos.	Free	*							*	*			Railings, balconies	90%
Alloy Casting Co., Inc. 3900 Peachtree Rd., Dept. TB Mesquite, TX 75180 800-527-1318	Custom ornamental aluminum castings, including cresting, grilles, furnishings, and sculptured Victorian pickets. Custom capabilities from design through finishing. Also offers wood carving, tooling, electroplating, and powder coating.	Free Write in No. 468			*	*	*		*	*				Aluminum castings	30%
Architectural Iron Design, Inc. 167 Dey St., Dept. TB Iersey City, NJ 07306 800-784-7444, 201-222-7444	Designers and fabricators of quality hot- forged gates, railings, balconies, grilles, arbors, and more. Also exclusive distributor for B. Rourke & Co.'s forged components (available to trade customers).	Free Write in No. 795	*				*							Forged- iron components	90%
Besco Mfg. Co., Inc. P.O. Box 68, Dept. TB Zelienople, PA 16063 412-452-8430	Custom sandcast-aluminum decorative and architectural products. Size capability ranges from inches to 22 ft. Sculpting, casting, original design and reproduction; a variety of finishes is available.	Free				*	*			*	*		*	Sunscreens , panels, logos, signs, crosses	100%
Bondi Metal Design 2801 Giant Rd., Dept. TB Richmond, CA 94806 510-236-2607	Specializes in architectural and interior wrought metal designs in classical and contemporary designs.	Free Write in No. 752	*				*	*		*	*	*	*		100%
I.G. Braun Co. P.O. Box 66, Dept. TB Skokie, IL 60076 800-323-4072, 312-761-4600	Iron, steel, aluminum, and architectural bronze brackets, finials, spindles, collars, post caps, rosettes, balls, handrails, terminals, channels, angles, tubes, bars, stamped-metal ornaments, and steel woodgrain rod.	Free Write in No. 139	*					*						Metal ornaments, fence components	10%
Brumder Ornamental Iron, Inc. 40128 Industrial Pk. N., Dept. TB Georgetown, TX 78626 512-869-2830	Hot-forged, hand-wrought ornamental metalwork in classic and contemporary styles. Design services include presentation, CAD, sample, and model-making.	Free Write in No. 186	*		*		*			*			*		100%

oetal

# rnamental

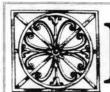
# PANEL OF EXPERTS.

# Ornamental Metal and Curtainwall

Metal and glass panels linked in modern curtainwall technology. Reflecting a need for strength and beauty. Reflecting its surroundings while providing unobstructed views. It's the choice of architects and designers looking for the most advanced, most exciting new techniques. It's the choice of sleek, innovative buildings like 17 State Street, at the foot of Manhattan Island. With a 42-story curved curtainwall facade, the views of it are as spectacular as the views from it. Curtainwall. For wall-to-wall beauty, durability and flexibility, it's the panel of experts.



OMI The Ornamental Metal Institute of New York 211 East 43rd Street, New York, N.Y. 10017



# TRADITIONAL BUILDING'S CSI# 05700 EXTERIOR ORNAMENTAL METAL SourceList

				T	Y P	E S	O F	M I	TA	LW	OR	K			
COMPANY	SPECIALTY	Literature	Fences & Gates	Cornices	Canopies	Cresting	Grilles	Vanes & Finials	Vault Lights	Furnishings	Sculpture	Storefronts	Doors & Entries	Other	% Custo
C&P Surface Technologies 4230 Industrial Pl., Dept. TB Island Park, NY 11558 516-889-4784	Architectural metal finishing company specializing in a corrosion- resistant zinc coating process for exterior steel products. Guaranteed to stop rust for 10 years. Company can metallize in copper, nickel, bronze, etc. Sand- blasting available.	Free Write in No. 151									S	S		Metal coating	1009
Colonial Castings 15301 N.W. 34th Ave., Dept. TB Miami, FL 33054 305-688-8901	Extensive range of load-bearing aluminum columns, newels, railing panels, friezes, fences, and gates.	Free Write in No. 261	*				*					7		Lamps	5%
Denninger Cupolas & Weather Vanes RD 1, Box 447, Dept. TB Middletown, NY 10940 914-343-2229	Redwood cupolas with hand-seamed copper roofs; weathervanes, banners, arrows, caps, and finials — standard and custom — available in copper, brass, aluminum, stainless steel, and iron. Historical replications a specialty.	Free Write in No. 730					1	*							60%
The J.A. Du Lac Co. 3462 So. Channel Dr., Dept. TB Harsens Island, MI 48028 810-748-9606	Hand-crafted, historically-inspired cupolas, finials, and full-bodied copper weathervanes. Traditional designs available in classic American Country, Federal Colonial, and Victorian stylings.	Free Write in No. 61						*							90%
Entry Fabricators, Inc. 3522 Webster Ave., Dept. TB Bronx, NY 10467 718-798-0637	Fabrication of new ornamental iron and architectural aluminum historical and landmark-qualified entrances and vestibules for commercial and residential buildings.	Free Write in No. 482										*	*		100%
Fine Architectural Metalsmiths P.O. Box 30, Dept. TB Chester, NY 10918 914-782-5332	Fine historical reproductions and site- appropriate metalwork: Fencing, gates, door grilles, garden furniture, environmental sculpture, etc. Forgework and hand work in iron, stainless, bronze, and aluminum.	Free Write in No. 264	水				*			*	妆				100%
Forging A Future P.O. Box 82, Dept. TB Petaluma, CA 94953 707-765-9861	Design and fabrication of custom-forged architectural metalwork, including gates, stair railings, fire screens, ornamental grilles, light fixtures, and furniture.	Free Write in No. 427	*				*			*					100%
John Graney Metal Design 7 North Ave., Dept. TB Garwood, NJ 07027 908-789-8500	Hand-forged custom metal work, specializing in unusual and technically complex projects. Will work from client's drawings or original designs. Restoration services include gold leafing and mobile welding.	Free	*				*	*			*		*		80%
Heather & Little Ltd. 36 Wagstaff Dr., Dept. TB Toronto, Ont. CAN. M4L 2R8 800-450-0659	Since 1925, a specialist in the reproduction of all manner of sheet metal ornaments, including finials, cornices, lion heads, crestings, canopies, metal roofing shingles, pressed metal siding, and more. Deliveries average 8 weeks.	Free Write in No. 247		*	妆	妆		汝						Pressed metal siding, reproductio metal shingles	100%
Historical Arts & Casting 5580 W. Bagley Pk. Rd., Dept. TB West Jordan, UT 84088 801-569-2400	Expertly crafted metal ornamentation, including cornices, railings, store fronts, fences, bridges, planters, lighting, and more; in bronze, aluminum, or iron. Restoration and custom work a specialty.	Free Write in No. 121	*	妆	六	水	*	*		*		*	*	Street lamps	90%
Ind.it.a.l. 1612 Mellwood Ave., Dept. TB Louisville, KY 40206 800-772-4706, 502-584-6677	Major supplier of standard wrought iron components, manufactured by Italian craftsmen. Elements for railings, gates, grilles, post tops, balusters, etc. Also, steel stampings of leaves, flowers, spear points.	Free Write in No. 656	*				大								15%
Kayne & Son Forged Hardware 100 Daniel Ridge Rd., Dept. TB Candler, NC 28715 704-667-8868	Offers a wide variety of hardware: Hand- forged strap hinges, dummy and wrap- around hinges, thumb latch sets, surface bolts, sash/latch bar locks, door knockers, cast brass,bronze thumb latches, pulls, and locks.	Catalog \$4.50	*				*	大						Snowbirds, floral components , hardware	90%
Lake Shore Industries P.O. Box 59, Dept. TB Erie, PA 16512 800-458-0463, 814-456-4277	Manufacturers of custom cast aluminum signs and plaques. Specialize in street signs, town seals, historical markers, and custom work.	Free Write in No. 873												Signs	100%
Lawler Foundry Corp. P.O. Box 320069, Dept. TB Birmingham, AL 35232 205-595-0596	Offers 1,000 types of metalwork, with fences and gates mainly in Victorian styles. Also fence and gate parts, such as newel posts and over 100 types of finials, spears.	Free brochure Write in No. 849 Catalog \$10					*	*						Railing panels, balusters, brackets	10%
Liberty Die Casting Co. 5784 E. Davison Ave., Dept. TB Detroit, MI 48212 813-365-8887	Manufactures a wide line of ball tops, caps, spears, shoes, etc., for fabricating fences, gates, and other ornamental metal assemblies. Parts are available in sizes from 1/4 in. to 3 in. in #3 zinc.	Free Write in No. 534	*				*								10%
C.M.C. Corp. 77 Second Ave., Dept. TB Paterson, NJ 07514 201-279-3573	Skilled hammersmiths who design and fabricate interior and exterior metalwork, including fences and gates, grilles, railings, spires, and ornament. Specialize in historic restoration.	Free	*		*								*		100%
P.O. Box 1019, Dept. TB South Bend, IN 46624	Major contractor with extensive experience in fabricating and installing exterior cornices, slate and tile roofing, domes, steeples, and other exterior work on large historic properties. Works nationwide.	Free Write in No. 742	*												100%



WRITE IN NO. 604



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ironwork Various forgings Fabricated





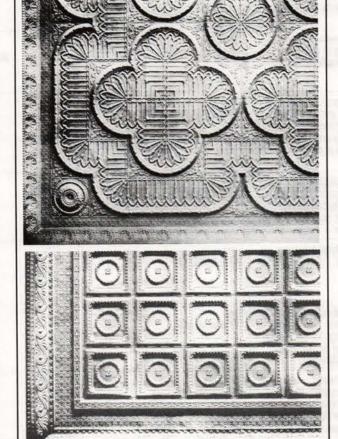


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☆ Brackets 
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★ Marquees ★ Glass pendant frames ★ Cresting ★ Garlands ★ Panel Ornaments ★ Lion Heads ☆ Conductor heads & fittings 
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WRITE IN NO. 52

WRITE IN NO. 363



WRITE IN NO. 991

FINIALS & Castings Adornments for **Architecture** FABRICATION & SUPPLY CO. 309 Hollow Road, Dept. TB Staatsburg, New York 12580 (914) 889-8390 Fax (914) 889-8350 DESIGN AND DEVELOPMENT MOCK-UP PROTOTYPE & PRODUCTION REPRODUCTION, RESTORATION MODEL AND MOLDMAKING · METALS, SHEET, AND CAST WOOD, PLASTICS, COMPOSITES; FLEXIBLE, OR RIGID.



# TRADITIONAL BUILDING'S CSI# 05700 LXTERIOR ORNAMENTAL METAL SourceList

				T	YP	ES	OF	M	ETA	LV	V O I	RK			
COMPANY	SPECIALTY	Literature	Fences & Gates	Cornices	Canopies	Cresting	Grilles	Vanes & Finials	Vault Lights	Furnishings	Sculpture	Storefronts	Doors & Entries	Other	% Custo
Monumental Iron Works 6500 Eastern Ave., Dept. TB Baltimore, MD 21224 410-633-6500	100-year-old fence manufacturer that uses traditional techniques and patterns; stocks components and assembles to order. Carries pickets as well as ornamental panels and gates.	Free Write in No. 691									8	8		Outer	309
W.F. Norman Corporation P.O. Box 323, Dept. TB Nevada, MO 64772 800-641-4038	Major fabricator of sheet-metal ornament: Hundreds of stock designs of cornices, moldings, brackets, etc. Duplications from samples or drawings.	Free Write in No. 52		*				*						Metal roofing	10%
Ornamental Metal Inst. of NY 211 E. 43rd St., Dept. TB New York, NY 10017 212-697-5554	Consultation and seminars on appearance, economy, characteristics, uses, and finishing of ornamental metal. Sponsors a competition for professionals who have created outstanding achievements in ornamental metal.	Free Write in No. 543													0%
Patina Finishes & Copper Coatings 8455 Commerce Ave. #B, Dept. TB San Diego, CA 92121 800-882-7004	Manufactures surface coatings and patina solutions which can be applied to metals, drywall, wood, etc. Water-based metal coatings available in silver, gold, and bronze; 4 patina colors. For interior or exterior use.	Free Write in No. 849												Metal paint and patinas	0%
Peters & Son, Inc. 1936 N. Front St., Dept. TB Philadelphia, PA 19122 215-739-9500	Company carries period-styled hardware for shutters, doors, and gates.	Free Write in No. 124					8							Hardware	20%
Phoenix Iron Works P.O. Box 24123, Dept. TB Oakland, CA 94623 510-465-9900	Ornamental metalwork and custom castings. Projects in the San Francisco Bay area include replacement castings for the Palace Hotel, light posts for Market St. and U.C. Berkeley, and benches in Ghiradelli Square.	Free Write in No. 604										*			75%
Picasso Gate Co. 1400 E. College Dr., Dept. TB Cheyenne, WY 82007 307-632-1710	Specialists in design, fabrication, and installation of gate entry systems, including all electronics. Full line of ornamental metal products in forged iron, both for interior and exterior: Rails, fences, grilles, etc.	Free Write in No. 545	*				*								100%
D.R. Reis - Blacksmith 393 A Elysian Ave., Dept. TB Penngrove, CA 94951 707-664-8504	Produces architectural ironwork, as well as forgings and fabricated works. Residential and commercial applications. Formal entry systems a specialty.	Free Write in No. 363	*		- SX								*	AUT	100%
Robinson Iron P.O. Box 1119, Dept. TB Alexander City, AL 35010 205-329-8486	Major cast-iron restoration and supply firm that has built or recreated fences and gates for historic sites, as well as new construction. Extensive collection of historic patterns for casting, as well as reference for custom work.	Free Write in No. 324	*	*	*	*	*		*	*	*	*	*		75%
Smith-Cornell, Alloy Founders 1545 Holland Rd., Ste. O, Dept. TB Maumee, OH 43537 800-325-0248	Cast bronze or aluminum plaques, garden tags, and custom sundials. Markers for National Register and other landmark properties. Custom plaques for historic properties, awards, and memorials.	Free Write in No. 46										No.		Signs	75%
Steptoe & Wife 322 Geary Ave., Dept. TB Foronto, ONT. M2H2C7 416-530-4200	Victorian-styled, cast-iron straight and spiral staircases and railings, shipped knocked down to job site. Also, decorative cast hardware for drapery, ornamental pressed metal, custom metal fabrication.	Free Write in No. 47	*	*	*	*	*					*			30%
Stewart Ironworks P.O. Box 2612, Dept. TB Covington, KY 41012 606-431-1985	Ornamental iron fences, gates, and railings since 1886. 15 standard period designs and encourages custom work. All fences use solid pickets and heavy wall tubing.	Free Write in No. 991	*			*	*							Railings	80%
Superior Aluminum Products P.O. Box 430, Dept. TB Russia, OH 45363 613-526-4065	Aluminum railings and columns, load-bearing and fluted, in both round and square designs; Colors available. Cast caps and bases in standard and ornamental styles: Doric, Corinthian, and Scamozzi.	Free												Columns, railings	15%
O. Box 154, Dept. TB	Manufactures aluminum ornamental castings, and is a distributor of gate, fence, and storm door hardware for the industry.	Free	*							*	*			Aluminum castings, hardware	5%
0809 Crestview Dr., Dept. TB	Commissioned figurative and abstract cast bronze or stone sculpture. Also, architectural and restoration castings and fabrications in bronze, aluminum, and composites.	Free	*		*		*				*				100%
413 Mirasol St., Dept. TB os Angeles, CA 90023 13-261-7301	Wide range of finishing patinas and chemicals for the coloring of metals. 24 colors and finishes, including the classic green verde for patinating copper, brass, and bronze.	Free Write in No. 704												Patinas	0%
O. Box 361, Dept. TB hiells, NY 10984	Specialists in restoration of landmark and historic wrought-iron entrances. Existing ornamentation and filigree re-utilized; architectural plans and specifications available with each upgrade.	Free Write in No. 482											*		100%
O. Box 100, Dept. TB Vestford, VT 05494	Custom fabricator of finials, cupolas, weather- vanes, ornament, and roofing metal in copper and other sheetmetal. Exact reproductions of historic ornament, using like materials and techniques (copper, steel, wood, and stone).	Free Write in No. 721			*	*		*			*			Leader boxes, cupolas, roof	100%

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WRITE IN NO. 534



NICHOLAS BRUMDER BRUMDER ORNAMENTAL IRON, INC 40128 INDUSTRIAL PARK GEORGETOWN, TEXAS 78626

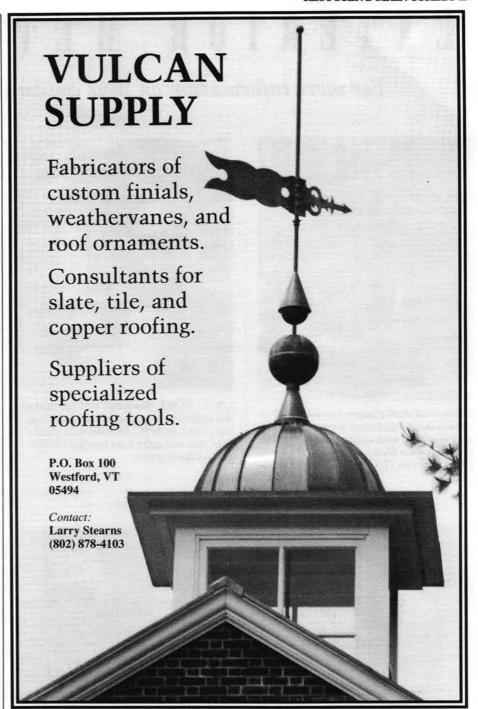
We collaborated with Thomas Studios, Jonestown, Texas, to create this work for the Cancer Survivors Memorial Park, Houston. Milosev Cekic: Architect

Hot Forged Architectural Metalwork (512)869-2830

WRITE IN NO. 186



WRITE IN NO. 795



WRITE IN NO. 721



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# EXTERIOR METAL PORTFOLIO

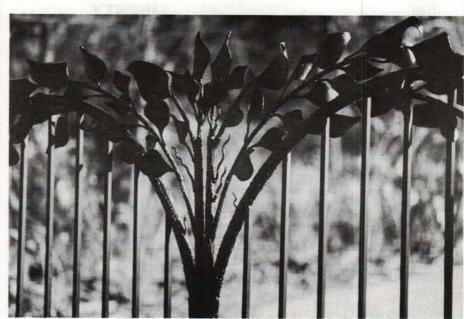
For more information on these companies, consult the SourceList on pp. 50-52.



Fabricated steel planter box adorned with hand-forged steel aspen branches and leaves. It was custom made for the Grand Aspen Hotel in Aspen, Co. by PICASSO GATE CO. Write in No. 545



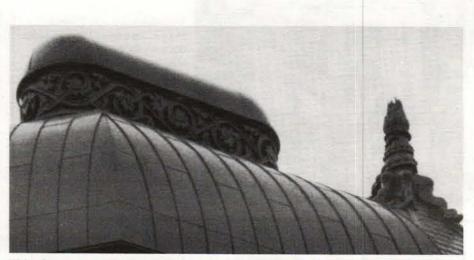
L.M.C. CORP. designed and fabricated the entrance marquee of the Washing-ton Hotel, in NYC. It features a glass roof and wrought-iron brackets with gilded monogram.



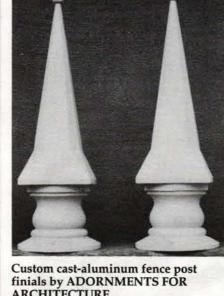
Detail of FINE ARCHITECTURAL METALSMITHS' award-winning "Tree Gate". The gate opens up at the centerline of the tree trunk. Surface treatment of the bark was achieved using a MIG welder; the leaves were forged. Write in No. 264



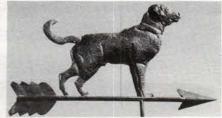
This custom forged-steel entrance gate with decorative brass castings was made for the Villa Nicoletti in Rome. The 9 ft. X 11 ft. gate can be ordered from IND.IT.A.L. for \$13,000, plus shipping. The brass castings are available as special-order items. Write in No. 656



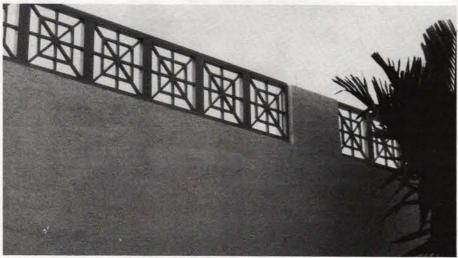
This elegant curved copper dome reproduction, crowned with an ornate copper cupola, sits atop the Ontario Legislative Buildings, Toronto, Canada. HEATHER & LITTLE LTD. Write in No. 247



ARCHITECTURE.



Shown above is a hammered, fullbodied copper weathervane of a Labrador Retriever by the J.A. DU LAC CO. Write in No. 61



Cast aluminum railing by ALLOY CASTING. Write in No. 468

### Instant Access to Product Literature for EXTERIOR METALWORK

If your office qualified to receive the 1994 TRADITIONAL BUILDING CATA-LOG, you'll find prefiled product literature there for the following suppliers of Exterior Metalwork:

- J.G. Braun & Co.
- Chicago Metallic
- Historical Arts & Casting
- Lawler Foundry Corp.
- LMC Corp.
- W.F. Norman Corp.
- Vulcan Supply

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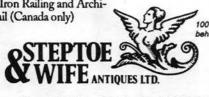


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- Cast iron straight staircases
- WF Norman steel ceilings (Canada only)
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THE BARCUA

Spiral Staircases

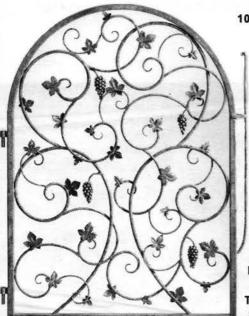
322 Geary Avenue, Dept. TB Toronto, Canada M6H2C7 (416) 530-4200 FAX (416) 530-4666

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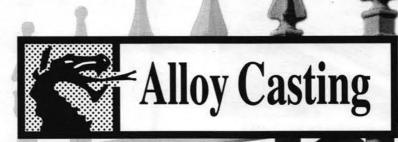
Picasso gate

1400 East College Drive • Cheyenne, WY 82007 Phone: 307-632-1710 Fax: 307-637-4637

WRITE IN NO. 545



WRITE IN NO. 261



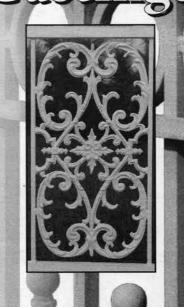
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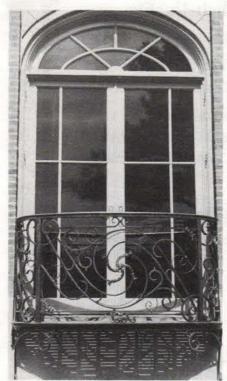
Call 1-800-527-1318 or write Alloy Casting, 3900 Peachtree Road, Mesquite, Texas 75180

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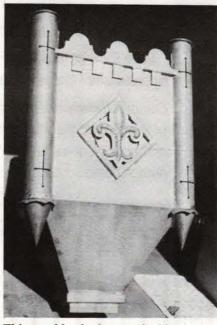


# EXTERIOR METAL PORTFOLIO

For more information on these companies, consult the SourceList on pp. 50-52.



Ornamental cast-bronze balcony for a Colorado residence, by HISTORICAL ARTS & CASTING. Write in No. 121



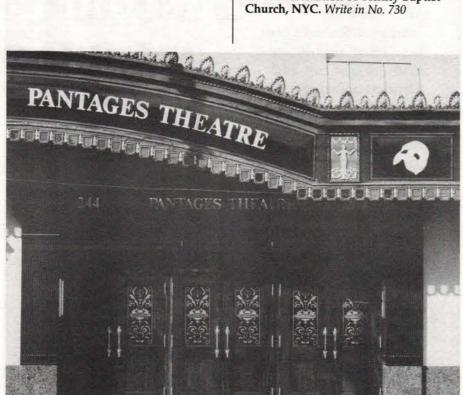
This regal leader box, crafted by VULCAN SUPPLY, holds reign over rain. Write in No. 721



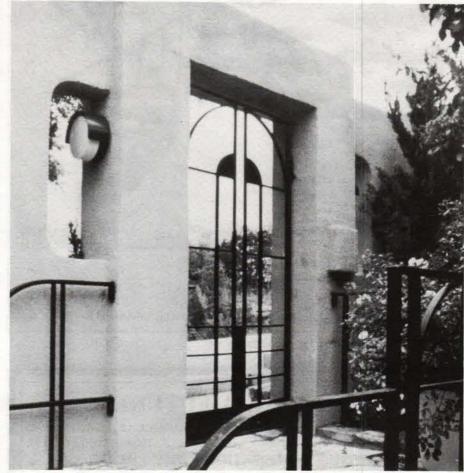
This balcony railing by BRUMDER ORNAMENTAL IRON, INC., features pressed Gothic arches, hammer-welded quatrefoils, fluted collars, and scrollwork, and is capped with bronze. Write in No. 186



From the weather-worn original (right), Alfred H. Denninger of DENNINGER CUPOLAS & WEATHER VANES replicated a copper and brass rooster finial (left) for the restoration of Trinity Baptist Church, NYC, Write in No. 730



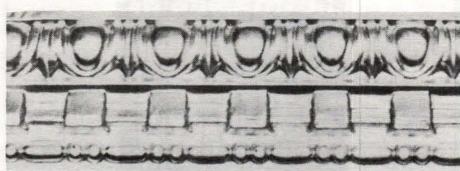
STEPTOE & WIFE created this new canopy for Toronto's Pantages Theatre. Write in No. 47



Forged iron "Eure Gate" by ARCHITECTS & ARTISANS is made in a style reminiscent of Art Deco.



Bill Steinmetz Jr. of MIDLAND ENGINEERING is fabricating new dormers from Wolmanized plywood and lead-coated copper for the Hamilton County Courthouse in Noblesville, Ind. Write in No. 742



W.F. NORMAN'S pressed-metal molding, No. 2345, is available in 3 in. and 6 in. widths. This combination egg & dart-, dentil-, and beaded-design is one of the company's 275 styles and sizes. Write in No. 52



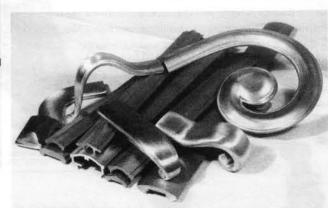
CHEMICAL PRODUCTS, INC. 1413 Mirasol St., Los Angeles, CA 90023 213-261-7301 ph. 213-261-5567 fax

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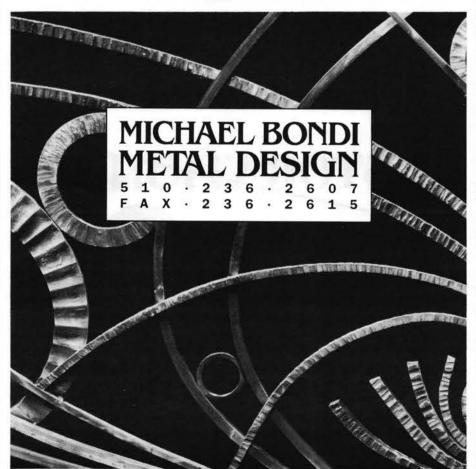


Monumental Iron Works' piers can be used in place of stone or brick columns in the line of fence shown above. They can also be used as gate posts

MONUMENTAL **IRON WORKS** 

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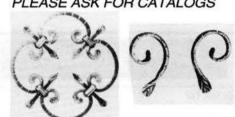


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HEATHER & LITTLE

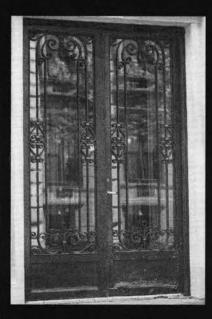
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WRITE IN NO. 247

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**Making History** a part of our present and future: That is what the RESTORATION Exhibition and Conference is all about!

The only trade event dedicated to the preservation of every aspect of our cultural history — everything from buildings to books, architecture to art, gargoyles to gardens, furnishings to furniture!

**Making History** is just what RESTORATION did during its debut in December 1993!

By becoming the *largest* preservation trade event in the world. More than 7600 registered visitors — representing over 15,000 total attendance for the three days — viewed exhibits from 250 companies (31 from abroad)!

**Making History Again** is what RESTORATION will do in 1995! By being even larger and more international, with more exhibitors, more foreign pavilions and an expanded conference program.

**Inquire Now** to receive the next issue of *Restoration News and Notes* and complete information on attending or exhibiting.

**Call RAI/EGI Exhibitions** at 617/933-9699 for exhibitor information, 617/933-6663 for visitor information, or fax 617/933-8744.

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If you are interested in presenting at the RESTORATION 95 conference, we want to hear from you. Call, fax or write us **now** for complete information. 617/933-9055, fax 617/933-8744



Sunday - Tuesday February 26-28, 1995 Hynes Convention Center Boston, Massachusetts

Organized by RAI/EGI Exhibitions, Inc Ten Tower Office Park Woburn, MA 01801

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# Shaping Up With Molded Ornament

When it comes to Main Street revitalizations, there are lots of materials to choose from for facade improvement.

Earlier issues of Traditional Building (e.g., Jan./Feb. 1991; May/June 1994) have examined the different qualities, advantages, and limitations of various molded materials. Even in historic restorations, there are a wide range of products not only suitable, but landmark-approved.

For the Exterior Molded Ornament SourceList that follows on pp. 60-62, the Editors surveyed 139 manufacturers of facade ornament (cornices, capitals, cupolas, etc.) and other cast and molded goods (fountains, statuary, pools, etc.) in exterior plaster, precast concrete, cast stone, terra cotta, and polymer- and glass-modified and polymer-based materials. From those that responded, the Editors selected 34 companies that seemed most sensitive to and appropriate for downtown revitalization projects. Also included

are four manufacturers of moldmaking and casting materials (see Abatron, Ball Consulting, Smooth-On, and Synair).  $\blacksquare$ —JL

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WRITE IN NO. 897

# Instant Access to Product Literature for MOLDED ORNAMENT

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- Custom Decorative Mouldings
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WRITE IN NO. 747

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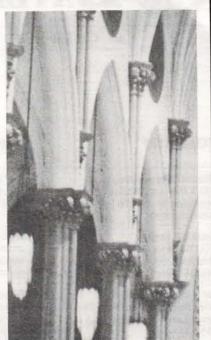
# EXTERIOR MOLDED ORNAMENT SourceList

				TY	P	E	0	F	O R	N	A I	и Е	NT	
COMPANY	SPECIALTY	Literature	Cornices	Columns/Capitals	Brackets/Corbels	Cupolas	Domes	Balustrades	Staircases	Fountains	Facades	Storefronts	Other	Materials
A&M Victorian Decorations, Inc. 2411 Chico Ave., Dept. TB S. El Monte, CA 91733 818-575-0693	Wide range of architectural elements in either gypsum or precast concrete: Columns, molding, mantels, balustrades, wall caps, pavers, quoins, stair treads, planters, fountains, and gazebos; custom designs and finishes.	Free Write in No. 747	~	~	~	V	~	~	~	~	~	~	Custom	Cast stone, precast concrete
Abatron, Inc. P.O. Box 217, Dept. TB Gilberts, IL 60136 800-445-1754	Apart from wood conservation and consolidation formulas, metal and concrete restoration, and bondings and adhesives, this company also makes flexible moldmaking materials.	Free Write in No. 130			7 -									Flexible moldmaking materials
American Trim Stone Co., Inc. 85 Fourth Avenue, Dept. TB Haskell, NJ 07420 201-831-1822	Cast stone manufacturers specializing in exterior architectural trim, such as window sills, coping, arches, keystones, balustrades, etc.	Free	~	~				~			V	v		Cast stone, precast concrete
Architectural Art Stone P.O. Box 5128, Dept. TB Kansas City, KS 66105 913-321-9100	Custom concrete products for both interior and exterior use, which match limestone, brownstone, and terra cotta. Also, restoration of architectural terra cotta.	Free	V	~	~			V		~	~	~	Signs, monuments	Cast stone, precast concrete FRP, GFRC, Modified gypsur exterior plaster, metals
Architectural Facades Unlimited 440 W. Julian, #240, Dept. TB San Jose, CA 95110 408-298-2758	Custom manufacturer of interior and exterior precast architectural ornamentation. On-site, full-service drawings, patterning, moldmaking, casting of columns, balustrades, cornices, niches and more; commercial or residential.	Free Write in No. 147	~	~	~		V	~		~	V		Wall pavers, custom	GFRC, precast
Architectural Products by Outwater 52 Passaic St., Dept. TB Wood-Ridge, NJ 07075 800-835-4400, 201-365-2002	Extensive selection of polymer moldings, balustrades, ceiling medallions, chair rails, columns, capitals, and more in a large variety of sizes, styles, shapes, and materials. Wide selection of polymer lattice and sculpture.	Free Write in No. 493	~	~	~		~	~			~	~		Polyurethane, EPS foam, fiberglass
Architectural Products Mfg. Co. 7470 Greenbush Ave., Dept. TB N. Hollywood, CA 91605 818-982-2311	Manufacturers of GRG, modified GRG, and GFRC architectural elements (exteriors), including columns, capitals, mantels, moldings, ceiling panels, niches, domes, friezes, etc. Stock and custom columns.	Free Write in No. 897	~	V	V		V	V		V	V	~	Wall veneer, trim, moldings, arches, quoins	GFRC, Forton
Architectural Fiberglass Corp. 1395 Marconi Blvd., Dept. TB Copiague, NY 11726 800-439-2000, 516-842-4772	FRP cornice specialist; also balconies and balustrades. Can replicate terra cotta from on-site molds or from large selection of stock cornice and rail molds. Elements are lightweight, fire retardant, UV resistant, and cost effective.	Free Write in No. 640	V	V	V	V		~			V	V	Balconies, pediments, custom work	FRP, GFRC, modified gypsu
Architectural Reproductions 525 No. Tillamook, Dept. TB Portland, OR 97227 503-284-8007	Specialists in large, engineered, thin- shelled elements for commercial projects. Experienced with a wide variety of solutions for terra cotta replication and replacement.	Free Write in No. 613	V	V	~			V			V	V		FRP, GFRC, ca stone, modified gypsum
Art Home Studios 64 Huron St., Dept. TB Brooklyn, NY 11222 718-383-0603	Architectural sculpture studio specializing in ornamental detail for historic restorations and new construction. Can work from drawings. Exterior molded ornament in cast stone and other materials for terra cotta replacement.	Free Write in No. 643	~	~	~	V	~	V	~	~	~	,	Site-specific monumental sculpture	Cast stone, GFRC, FRP, I& GRG, exterior modified gypsu
Ball Consulting 338 14th St., Suite 201, Dept. TB Ambridge, PA 15003 412-266-1502	Supplies Forton modified-gypsum casting system for creating interior and exterior architectural and landscape elements. Consulting and technical service.	Free Write in No. 726											Products used to make any element	Cast stone, GFRC, modifie gypsum
Boston Valley Terra Cotta 6860 S. Abbott Rd., Dept. TB Orchard Park, NY 14127 716-649-7490	Produces architectural terra cotta for like- kind facade replacement. Site and survey work; drawings and photos; moldmaking; fine detail work. Restoration and new construction.	Free Write in No. 16	V	~	~	~	~	-		V	~	~	All custom work	Terra cotta
Custom Decorative Mouldings P.O. Box F, Dept. TB Greenwood, DE 19950 800-543-0553, 302-349-4937	Architecturally correct, high-density polyurethane moldings, entryways, window surrounds, and louvers. Prompt delivery; customer service.	Free Write in No. 908	V	~	~		V	~			~	~	Entryways	Polyurethane
Dallas Cast Stone Co., Inc. 4107 Hancock St., Dept. TB Dallas, TX 75210 214-428-6269	Custom cast stone manufacturer of major architectural elements, decorative details, and landscape products.	Free	~	~	~							~	As specified	Cast stone
Decorators Supply Corp. 3610-12 S. Morgan St., Dept. TB Chicago, IL 60609 312-847-6300	14,000 patterns for period architectural molded ornament, from ceiling medallions to columns and capitals in Plaster of Paris and composition.	Set of 5 catalogs \$25	V	~	~		~	V					Eagles, swags, garlands, emblems	Plaster
Design-Cast Materials Division 951 Pennsylvania Ave., Dept. TB Frenton, NJ 08638 609-392-1922	Interior and exterior custom-molded ceramic stone laminates (columns, cornices, etc.) designed for non-loadbearing applications. Material can be colored and molded to match stone, wood, and metal.	Free Write in No. 651	~	V	V	V	V	V	V	~	~	~		Ceramic stone laminates
Edon Fiberglass 1160 Easton Rd., Dept. TB Horsham, PA 19044 800-523-2539, 215-672-8050	This full-service design and fabrication shop is experienced in making columns, cornices, cupolas, domes, spires, steeples, minarets, and other architectural shapes; restoration/reproduction.	Free Write in No. 189	~	V	V	~	V	V		~	~		Spires, steeples, minarets	FRP, class A composition

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WRITE IN NO. 643

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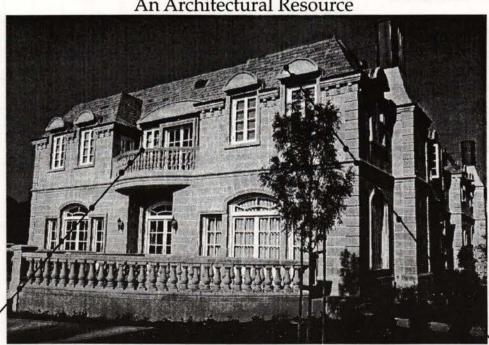
With the Napa Valley Cast Stone Integrated Assembly system, architects, landscape architects and interior designers are able to take advantage of our extensive library of Basic Components. Architectural elements can be projects where no similar products are readily available.

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(bullets in descending order)

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  - 3. END PIER

Architect: Glen Dodds & Associates



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				T	Y P	E	0	F	O I	N	Α	M F	ENT	
COMPANY	SPECIALTY	Literature	Cornices	Columns/Capitals	Brackets/Corbels	Cupolas	Domes	Balustrades	Staircases	Fountains	Facades	Storefronts	Other	Materials
Fibertech Corporation 250 S. Depot St., PO Box 8, Dept. TB Pendleton, SC 29670 803-646-9990	FRP cornices range in size from 12 in. to 6 ft.; standard shapes; custom commercial and landmark work.	Free Write in No. 621	~	~	~	0	l a	~	~	E	~	S		FRP
Fischer & Jirouch 4821 Superior Ave., Dept. TB Cleveland, OH 44103 216-361-3840	Wide selection of handcrafted plaster architectural ornament for interior and exterior applications, including columns, capitals, and fireplaces.	Free Write in No. 196	~	~	~		~							Plaster
David Flaharty, Sculptor 1064 Magazine Rd., Dept. TB Green Lane, PA 18054 215-234-8242	Classically trained, Flaharty does ornamental plaster projects others refuse. The shop undertakes architectural conservation, restoration, and consultation. They design, manufacture, and install period ornamentation in new construction, as well.	Free	~	~	~			V		~	V			Ornamental plaster, patternmaking for ornamental metals
GFRC, Inc. 6001 North 60th St., Dept. TB Lincoln, NE 68507 402-466-3200	Produces wide range of GFRC products, ranging from exterior wall claddings to replications of historical architectural elements; replacements for terra cotta, etc. On-site moldmaking available.	Free Write in No. 663	V	V	V	~	~			V	,	v		GFRC
George Kreier Company 1524 Cambridge St., Dept. TB Philadelphia, PA 19130 215-763-4666	Restoration of major historic buildings in a variety of media; specialists in solving complex technical and artistic problems.	Free	~	~	~	~	~	~	~	~	v	~	Custom work as specified	Precast concrete FRP, GFRC
Landmark Studios 59 Lower Kingtown Rd., Dept. TB Pittstown, NJ 08867 908-730-8895	Custom fabrication, restoration, and reproduction of architectural sculpture and detailed building elements in terra cotta, cast stone, and GFRC.	Free Write in No. 190	V	v		V	V	V			v			Cast stone, precast concrete terra cotta, GFR0 modified gypsum exterior plaster
Lynch & Sons P.O. Box 488, Dept. TB Wilton, CT 06897 203-762-8363	Top-of-the-line fabricators with an extensive catalog of garden ornaments, site furniture, weathervanes, gazebos, and fountains in cast stone, bronze, and lead.	Free Write in No. 777								,			Statuary	Cast stone, lead bronze, copper
Molloy & Associates P.O. Box 515, Dept. TB Hutchins, TX 75141 214-225-6106	This company provides raw materials to the GFRC industry, and has access to the network of GFRC molding manufacturers.	Free	~	~	~	~	~			~	~	V		GFRC
Moonlight Molds, Inc. 17110 S. Main Street, Dept. TB Gardena, CA 90248 310-538-9142	Architectural cast products, including columns, cornices, domes, coves, etc., in a wide range of materials, colors, and textures; standard and custom shapes.	Free	~	V	~	~	~	~			~	V		Precast concrete FRP, GFRC
Napa Valley Cast Stone 122 Dodd Court, Dept. TB American Canyon, CA 94589 707-644-5029	Architectural elements of cast stone available from an extensive CAD-based library of basic components.	Free Write in No. 302	~	~	~			~	v	~	~	~	Pavers, steps, thresholds, copings, wall caps	Cast stone
NMC - Focal Point P.O. Box 93327, Dept. TB Atlanta, GA 30377 800-662-5550	Manufacturers of high-density polymer moldings, medallions, niches, and fiberglass columns. Class 'A' fire rating on some products.	Free Write in No. 477	~	~	~		V							Polymers, fiberglass
Seal Reinforced Fiberglass 23 Bethpage Road, Dept. TB Copiague, NY 11726 516-842-2230	Molder and tooler fabricates FRP building components, stock & custom cornices, cupolas, and other elements; stock cornices and brackets; on-site molds. Also, garden fountains, pools, waterfalls, planters, and rock features.	Free Write in No. 462	V	~	~	~	V	~			~	~	Waterfalls, garden pools, custom	FRP
Smooth-On 1000 Valley Rd., Dept. TB Gillette, NJ 07933 108-647-5800	Manufacturers of moldmaking compounds which can be poured or brushed on to vertical surfaces. Compounds are quick-curing and durable. Free working samples available; toll-free technical help.	Free Write in No. 65												Mold rubber
ynair Corp. .O. Box 5269, Dept. TB .hattanooga, TN 37406 .00-251-7642, 615-698-8801	Supplies a flexible, economical two- component moldmaking system. Used in the studio or for making in-situ molds in the field. Also: Two-component urethane casting resin.	Free Write in No. 725												Release agents, polyurethane rubber
echcrete Architectural Precast 2920 Alexandria Dr., Dept. TB ppa Locka, FL 33054 05-688-1461	Wide range of cast-stone architectural elements, including balustrades and columns (columns are primarily Doric and Tuscan, with true entasis.) Also, blueprinted cast-stone veneer, wall cap, risers, and copings.	Free		~				V			~			Cast stone, precast concrete
HR Products Corp. 8-15 49th Pl., Dept. TB faspeth, NY 11378 18-326-4210	Custom fabricators of interior and exterior molded GRG, GFRC, cast stone, and reinforced plaster. Can duplicate existing elements or create new designs; large stock; color and texture as specified.	Free Write in No. 774	~	~	~			V		~	~			Cast stone, precast concrete GFRC
Vorthington Group	Supplier of true classical columns in all	Free												Polymer resin

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V

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Polymer resin, polyresin

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- **♦** Contact name
- ♦ Phone number
- ♦ FAX number (when available)
- ♦ Percent of products that are custom-made
- ♦ Keyword description of the product line
- ♦ CSI numbers covering all basic products

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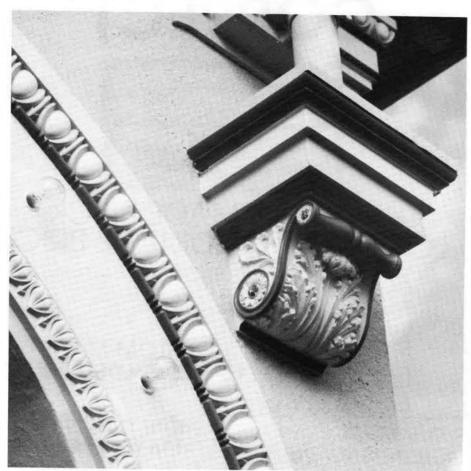
COMPANY LITERATURE, USE THE ENCLOSED POSTPAID CARD OR THE COUPON ON PAGE 89

INSTANT

ACCESS TO FREE COMPANY LITERATURE, USE THE "HOT LINK" FAX CONNECTION FORM ON PAGE 90.

# EXTERIOR MOLDED ORNAMENT PORTFOLIO

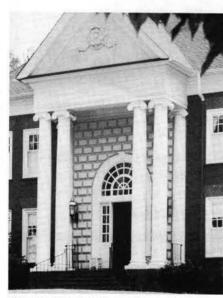
For more information on these companies, consult the SourceList on pp. 60-62.



This is a detail of the restored arch at the Illinois State Fair Grounds gate house. The stable polyurethane ornamentation is an inexpensive alternative to wood. CUSTOM DECORATIVE MOLDINGS Write in No. 908



ARCHITECTURAL PRODUCTS MANUFACTURING created this storefront in a Costa Mesa, Calif., mall in GFRC. Write in No. 897



WORTHINGTON GROUP's bailiwick polymer resin columns and capitals with true entasis — is apparent here in this residential installation. Write in



William Strickland's Merchant's Exchange, in Philadelphia, holds the first FRP ornament allowed to be used on a historic building (installed in 1965). GEORGE KREIER CO. did all the architectural moldmaking, including the tower capitals (which were cast in FRP), the bronze weathervane, the marble steps, and the fine ornament.



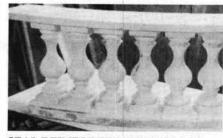
This balustrade was custom fabricated in cast stone by THR PRODUCTS CORP. (Color and texture were specified by the architect.) Write in No. 774



This restoration, at Quintcentennial Plaza, in Old San Juan, Puerto Rico, involved fabricating cast stone veneer, wall caps, plaza steps, and copings. TECHCRETE ARCHITECTURAL PRECAST



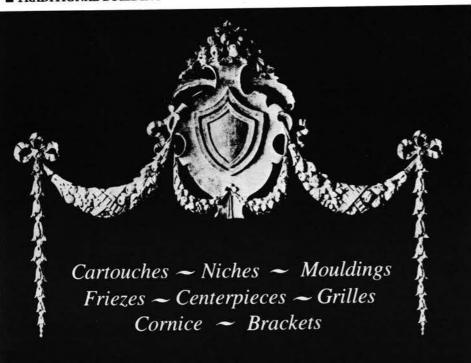
DECORATORS SUPPLY CORP.'s large roster of plaster ornamentation includes this 69 in. W. x 26 in. H. eagle, model #27164.



SEAL REINFORCED FIBERGLASS, INC., fabricated this balustrade in FRP. Other custom projects have included a 24 ft. open carton with a box manufacturer's insignia on its face. Write in No. 462



Replacement of exterior dome panels for the Garfield Park Sports Complex, Chicago, used mold rubber from SMOOTH-ON, INC. Shown are replacement panels, cast in GFRC. Write in No. 65



We offer over 1500 handcrafted plaster ornaments for the building industry. Custom reproduction is also available.



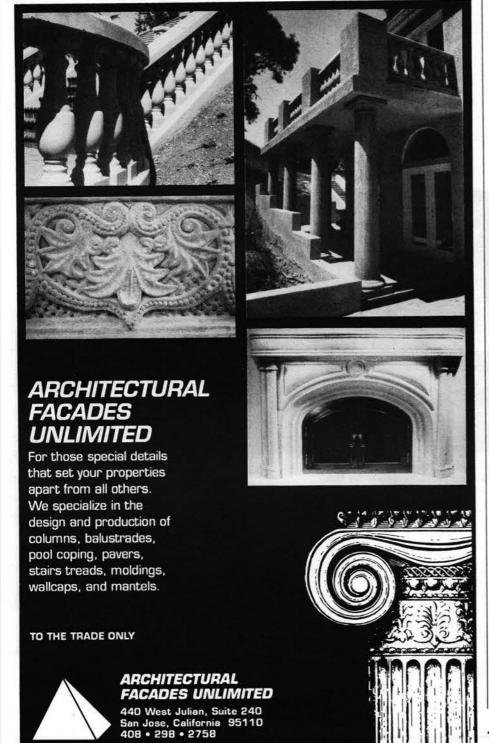
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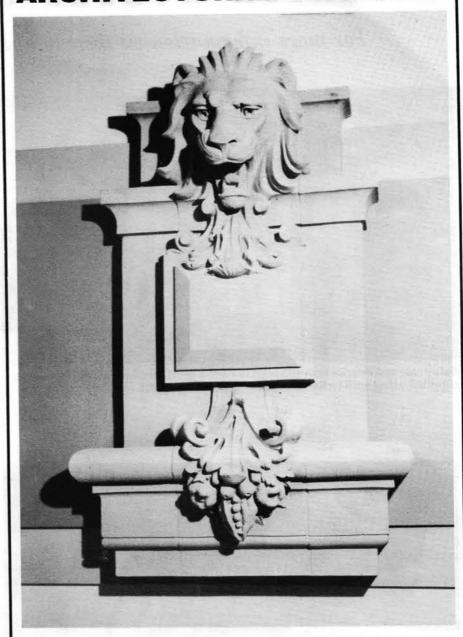
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# TRADITIONAL BUILDING EXTERIOR MOLDED ORNAMENT PORTFOLIO

For more information on these companies, consult the SourceList on pp. 60-62.



Balustrade and exterior ornament cast in Forton MG (polymer-modified gypsum); supplied, along with technical support, by BALL CONSULTING  $Write\ in\ No.\ 726$ 



This new polychrome glazed terra cotta facade stands in the Ansonia Center, Buffalo, N.Y. BOSTON VAL-LEY TERRA COTTA Write in No. 16



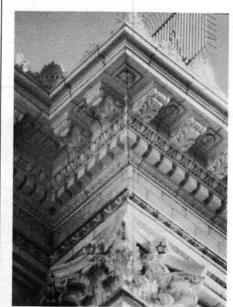
Fluted columns, capitals, and cornices were restored by EDON FIBERGLASS in FRP. Write in No. 189



Stan Townsend, of SYNAIR CORP., poses with his mold, made from a twocomponent system, and a model, made from a two-component casting resin. Write in No. 725



Using on-site molds, GFRC, INC., restored this facade ornamentation in - what else - GFRC! Write in No. 663



GFRC was used to replace the roofline terra cotta on the Fairmont Hotel (c.1903), in San Francisco. The project involved 784 units, each 8-ft. tall. MOLLOY & ASSOC.



THE FISCHER & JIROUCH CO. cast this figure, measuring 60 in. H. with a 10 in. x 9 in. base, in plaster. Write in No. 196



FRP balustrade, archways, trim, and cornices are from FIBERTECH CORP. Elements are either face or parapet mounted; no piece weighs more than 150 lbs. Write in No. 621

obtain Product the enclosed postpaid card or the form on page 89.

For INSTANT access to Prod-uct Literature, use the "Hot-Link" Fax Con-nection form on page 90.

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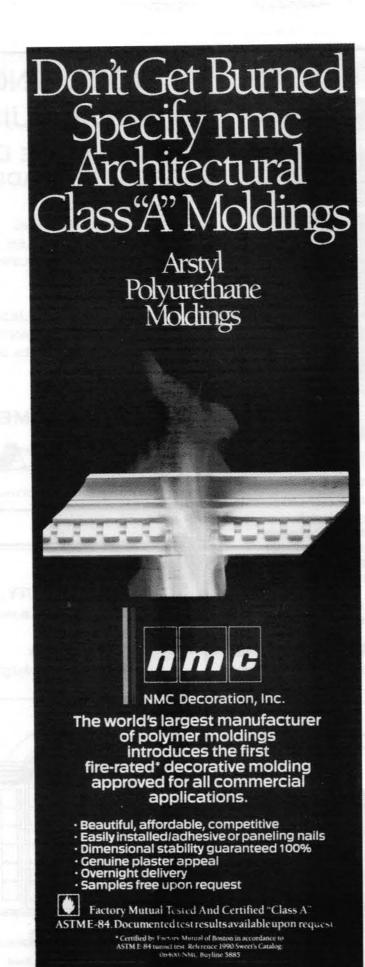


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WRITE IN NO. 189



WRITE IN NO. 477

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# Mold Rubber

Case History •

**The Pro:** MJM Studios, Inc.—S. Kearny, NJ. **The Project:** Replace large concrete panels that make up "The Dome" of the Garfield Park Field House in Chicago.

The Challenge: Do it fast, be competitive.



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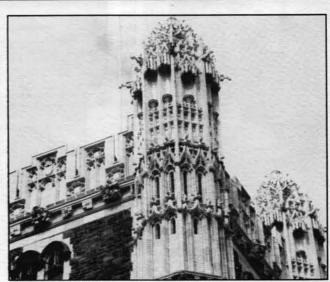
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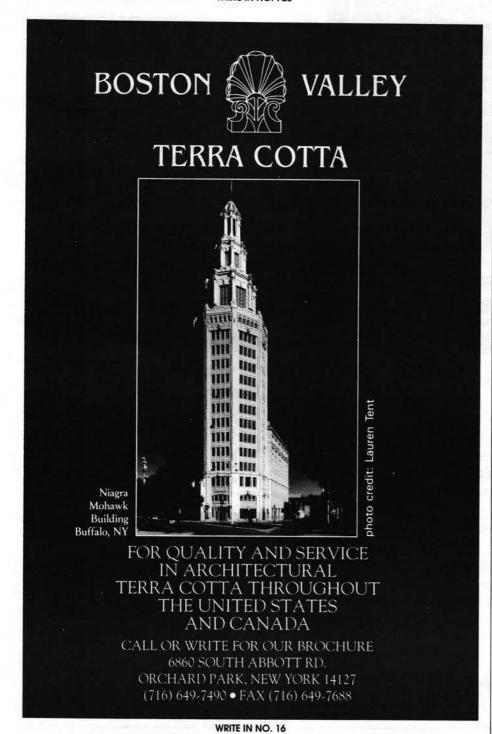


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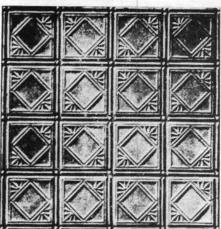
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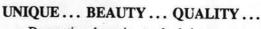


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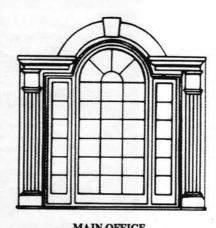
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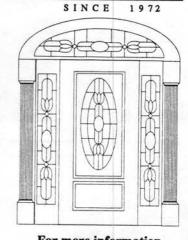


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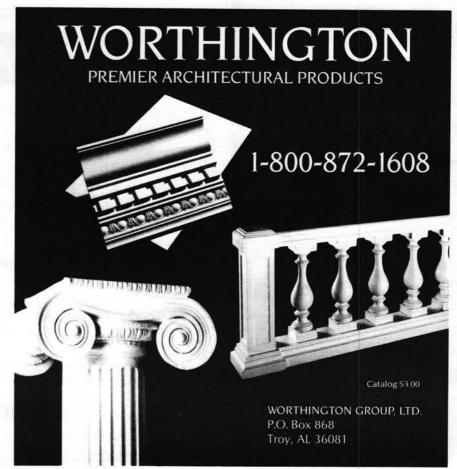
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# INVITING BUSINESS: Commercial Facades as Calling C

Fraditionally styled buildings — and building products — are increasingly being used for all kinds of commercial and retail developments: Restoring a 1930's brick storefront after the removal of aluminum sheathing, the transformation of a discount clothing store into an upscale restaurant, the construction

of a new hotel on a vacant lot.

Because of the high turnover in business establishments, buildings and whole neighborhoods are constantly in a state of flux. Unchecked, the facades and streetscape can take on a chaotic quality, or at worst slide into dissolution. The challenge to business owners, design professionals, and community leaders is to keep a sense of order, security, and familiarity in the facades and streetscape, while at the same time providing a stimulating business environment. Traditional shapes and materials that attract pedestrian interest, while at the same time being psychologically reassuring and sensitive to their surroundings, make a good starting point.

In this special report on Commercial Facades, we present a broad array of product and service companies that are especially appropriate for the restoration and revitalization of centers of commerce, whether they are located on Main Street in Tulsa or just off Times Square. You will find companies that can restore copper cupolas or replicate cast-iron columns. The supplier listings are divided into two parts: Below on this page, you'll find the start of a Product Index to the primary products and services of the 84 companies the Editors selected for presentation. Then, on pp. 70-74, you'll find contact information for each supplier — along with brief descriptions of their specialties.

### Outside Looking In

Despite the familiar dictum not to judge a book by its cover, anyone in the contemporary marketplace knows a good cover is still the quickest way to grab the customer's attention. Consumers are gifted at making swift assessments of where they'll spend their time and money. That's why the facade a business chooses to show the world is such an important marketing tool, as well as a statement about the company's relationship to the community.

Big, bland, shielded facades imply an impersonal and disinterested attitude toward customers and community. Smaller, individualized, and visually engaging storefronts and buildings animate their surroundings, offering pedestrians a variety of experiences. Even in buildings with no ground-level retail space, the incorporation of ornamental details or a window that allows one to

see activities going on enlivens the street.

The way glass is used is a critically important factor on a building's exterior. Upper-story windows offer rhythm and reasons for the creation of architectural details. On street level, windows are important ingredients in creating a wel-

coming haven where the exchange of goods and services exists alongside the simple pleasures of strolling, window-shopping, and chance encounters.

### The Specialty Glass Dilemma

But even when you can't see through it, glass is diverting. Stained-glass designs brighten up a building; patterned glass can make it intriguing; antique glass lends a sense of history; and colored structural glass, popular as a wall veneer in the 1930's and 1940's, still offers a unique look. The majority of patterned glass can be tempered, a safety consideration when used in commercial entries. Art glass, however, can be granted an exemption from the "requirements for hazardous locations," because the design draws attention to itself.

"The sight of action is an incentive for action. When people can see into spaces from the street their world is enlarged and made richer, there is more understanding; and there is the possibility for communication, learning."

-Alexander, Ishikawa, and Silverstein, "A Pattern Language"

For historic replacement of opaque facade glass, finding the appropriate material can be time-consuming — or impossible. Some types, such as white with gold flecks, aren't made anymore. And when you do finally track down the one you're looking for, you may run into minimum order situations. The following companies from our SourceList offer a good place to start.

The solid-colored wall-cladding that was marketed as Carrara Glass is no longer made by Pittsburgh Plate Glass. Now referred to as "structural glass," 50 in. X 99 in. plates in white, beige, lime green, black, raspberry, and blue are imported by Floral Glass and Mirror. The company matches other colors by

using a silicone paint that lasts for 10 years.

Blenko Glass, a company in business for 101 years, carries on the tradition of producing "antique" sheet glass characterized by a waviness or a seeded or striated pattern. The company also makes rondels and bull's eyes; and it specializes in small runs of glass castings ranging from vault lights to art pieces up to 5 in. thick that are slowly cooled in computerized kilns.

Hollander Glass Central, Inc., is a major resource for specialty glass of all types — and has supplied a number of Main Street projects. It is a wholesale distributor of over 2,000 shades of colored and patterned glasses in clear,

translucent, blown, and stained. - SG

# INDEX TO PRODUCTS FOR COMMERCIAL FACADES

The following companies are listed on the SourceList on pp. 70-74, where contact information can be found. Companies in bold type have placed ads that you can consult for additional detail. (Page numbers can be found in the Table of Contents on pp. 3 & 4.)

#### ARCHITECTURAL MILLWORK & TURNINGS

Architectural Products By Outwater **Boise Moulding & Lumber** Center Lumber Co. M.L. Condon Co. Crowning Touch, Inc. **Custom Decorative Mouldings** Henderson, Black, & Green Jeffries Wood Works, Inc. Jorgensen-Carr King Richard's Limited Mohamad Wood Turning Co., Inc. **New Found Woodworks** 

Ruffin & Payne, Inc. Style-Mark, Inc. Superior Hardwoods & Millwork Timber Fab, Inc. Wood Factory Wood Window Workshop Woodstone Company

#### BIRDPROOFING

Avian Flyaway, Inc. Bird Master Bird Control Systems Bird-X, Inc. Ecopic Midland Engineering Co. Nixalite of America

#### **COLUMNS**

Architectural Facades Unlimited **Architectural Products By Outwater** Architectural Products Mfg. Co. **Architectural Reproductions Art Home Studios** Boston Valley Terra Cotta Center Lumber Co. Chadsworth Columns M.L. Condon Co. Crowning Touch, Inc. **Design-Cast Corporation** Edon Corp.

Hartmann Sanders Co. Henderson, Black, & Green Historical Arts & Casting King Richard's Limited Mohamad Wood Turning Co., Inc. Pagliacco Turning & Milling Robinson Iron Schwerd Manufacturing Co. Seal Reinforced Fiberglass Stahl Restorations Superior Hardwoods & Millwork **Wood Factory Worthington Group** 

#### CORNICES

Architectural Facades Unlimited Architectural Fiberglass Corp. Architectural Products Mfg. Co. **Architectural Reproductions Art Home Studios Boston Valley Terra Cotta** Crowning Touch, Inc. **Custom Decorative Mouldings** Design-Cast Materials Div. Edon Corp. Heather & Little, Ltd. Historical Arts & Casting

continued on page 70

Pagliacco Turning & Milling

Cornices continued from page 69

King Richard's Limited
Midland Engineering Co.
W.F. Norman Corporation
Robinson Iron
Rogers Roofing Co., Inc.
Seal Reinforced Fiberglass
Stahl Restorations
Style-Mark, Inc.
Superior Hardwoods & Millwork
Worthington Group

#### **CUPOLAS & STEEPLES**

Accent Millworks, Inc.
Denninger Cupolas & Weather Vanes
The J.A. Du Lac Co.
Edon Corp.
Historical Arts & Casting
King Richard's Limited
Kivett's
Midland Engineering Co.
Robinson Iron
Rogers Roofing Co., Inc.
Seal Reinforced Fiberglass
Smith of Derby, Clockmakers
Timber Fab, Inc.

#### **ENTRANCE DOORS**

Boise Moulding & Lumber Bovard Studio Inc. Stained Glass Center Lumber Co. Chautauqua Woods Corp. Coppa Woodworking **Custom Decorative Mouldings** Entry Fabricators, Inc. Historical Arts & Casting Jennifer's Glassworks Jorgensen-Carr King Richard's Limited Midwest Architectural Wood Products Millwork Specialties New Found Woodworks Robinson Iron Ruffin & Payne, Inc. Stahl Restorations Superior Hardwoods & Millwork Vestibule Restoration Corp. Wallis Doors & Stained Glass Wood Factory Wood Window Workshop Woodstone Company

#### **FACADE RESTORATION SERVICES**

AOI Waterproofing Abatron, Inc. Architectural Facades Unlimited Architectural Reproductions General Restoration Co. Gougeon Brothers Historical Arts & Casting
Liberty Cedar
Midland Engineering Co.
W.F. Norman Corporation
Robinson Iron
Rogers Roofing Co., Inc.
Seal Reinforced Fiberglass
Stahl Restorations
Stulb's Old Village Paint
Superior Hardwoods & Millwork
Vertical Access

#### **GILDING**

Sepp Leaf Products, Inc.

#### ORNAMENTAL METAL

Denninger Cupolas & Weather Vanes
The J.A. Du Lac Co.
Entry Fabricators, Inc.
Heather & Little, Ltd.
Historical Arts & Casting
King Richard's Limited
Midland Engineering Co.
W.F. Norman Corporation
Robinson Iron
Rogers Roofing Co., Inc.
Vestibule Restoration Corp.

#### **ROOFING SPECIALTIES**

Accent Millworks, Inc. Heather & Little, Ltd. Liberty Cedar Mullane Snow Guards Newport Fastener W.F. Norman Corporation Tradesman's Choice

#### SHEETMETAL

Midland Engineering Co. Rogers Roofing Co., Inc. W.F. Norman Corporation

#### **SHUTTERS**

Beech River Mill Corp. Center Lumber Co. Crowning Touch, Inc. Stahl Restorations Vixen Hill Mfg. Co.

#### **SPECIALTY FINISHES**

Fine Paints of Europe Patina Finishes & Copper Coatings, Inc. Sepp Leaf Products, Inc.

### SPECIALTY GLASS

Blenko Glass Company
Bovard Studio Inc. Stained Glass
Cain Architectural Art Glass
Chautauqua Woods Corp.
Connecticut River Glass & Millwork
Floral Glass & Mirror

Hollander Glass Central, Inc. Jennifer's Glassworks King Richard's Limited Wallis Doors & Stained Glass Wood Window Workshop

#### STEEPLEJACK SERVICES

Kivett's Yankee Steeplejack Co.

#### **STOREFRONTS**

Architectural Facades Unlimited
Architectural Reproductions
Center Lumber Co.
Custom Decorative Mouldings
Historical Arts & Casting
King Richard's Limited
Liberty Cedar
Midwest Architectural Wood Products
Millwork Specialties
W.F. Norman Corporation
Robinson Iron
Seal Reinforced Fiberglass
Stahl Restorations
Superior Hardwoods & Millwork
Wood Window Workshop

#### TERRA COTTA REPLACEMENT

Architectural Reproductions Art Home Studios Boston Valley Terra Cotta Design-Cast Materials Div. Edon Corp. King Richard's Limited Midland Engineering Co. Seal Reinforced Fiberglass

#### WINDOWS

Advantage Window Systems Allied Window, Inc. Boise Moulding & Lumber Bovard Studio Inc. Stained Glass Cain Architectural Art Glass Center Lumber Co. Connecticut River Glass & Millwork Custom Decorative Mouldings / CDM Floral Glass & Mirror Jennifer's Glassworks King Richard's Limited Midwest Architectural Wood Products Millwork Specialties New Found Woodworks Walter E. Phelps Co. Robinson Iron Rogers Roofing Co., Inc. Ruffin & Payne, Inc. Seekircher Steel Window Repair Stahl Restorations Wood Window Workshop Woodstone Company



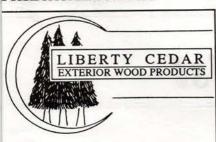
# C TRADITIONAL BUILDING's COMMERCIAL FACADES SourceList

COMPILED BY SHARON GARBE

COMPANY	SPECIALTY	Literature
AOI Waterproofing 649 Morgan Ave., Dept. TB Brooklyn, NY 11222 718-388-0900	Company offers waterproofing and facade restoration.	Free Write in No. 45
Abatron, Inc. P.O. Box 217, Dept. TB Gilberts, IL 60136 800-445-1754	Three restoration systems: LiquidWood — a penetrating epoxy wood consolidant; WoodEpox — an epoxy wood paste for wood replacement; Abocrete — for patching and resurfacing concrete; and Abojet resins. Also carries moldmaking materials.	Free Write in No. 130
Accent Millworks, Inc. 285 N. Amboy Rd., Dept. TB Conneaut, OH 44030 216-593-6775	Stock 4- and 6-sided cupolas with straight and pagoda roofs; belltop and 4-gable styles are also available. Custom work quoted in 24 hours. Copper or aluminum roofing materials. Also, wood finials and stock weathervanes in 24 to 60 in. sizes.	Free Write in No. 4

COMPANY	SPECIALTY	Literature
Advantage Window Systems 129 Bayview Ave., Dept. TB Port Washington, NY 11050 800-944-0338, 516-944-3644	Manufacturers of 'Comfort Plus' interior storms, which feature insulating glass, integral weatherseal, narrow-profile (1-1/8 in.) hardwood sash (paint or stain grade), and custom sizes.	Free Write in No. 79
Allied Window, Inc. 2724 W. McMicken Ave., Dept. TB Cincinnati, OH 45214 800-445-5411 513-559-1212	'Invisible' aluminum storm windows for interior or exterior. Custom colors, special shapes, and special glazing materials are routine. Experienced in glazing for large openings.	Free Write in No. 69
Architectural Facades Unlimited 440 W. Julian, #240, Dept. TB San Jose, CA 95110 408-298-2758	Custom manufacture of interior and exterior precast architectural ornamentation. On-site, full-service drawings, patterning, mold making, casting of columns, balustrades, cornices, niches, and more; commercial or residential.	Free Write in No. 147

For an alphabetical Index to products supplied by these companies, see pp. 69-70.



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# TRADITIONAL BUILDING's OMMERCIAL FACADES SourceList

COMPILED BY SHARON GARBE

COMPANY	SPECIALTY	Literature
Architectural Fiberglass Corp. 1395 Marconi Blvd., Dept TB Copiague, NY 11726 800-439-2000, 516-842-4772	FRP cornices, pediments, balustrades, balconies, and facades. Large selection of stock molds can suit most parapet and storefront cornice needs; on-site molds. Units are lightweight, durable, UV resistant, fire-retardant, easily installed, and cost effective.	Free Write in No. 640
Architectural Products by Outwater 52 Passaic St., Dept. TB Wood-Ridge, NJ 07075 800-835-4400, 201-365-2002	Extensive selection of polymer moldings, balustrades, ceiling medallions, chair rails, columns, capitals, and more in a large variety of sizes, styles, shapes, and materials. Wide selection of polymer lattice and sculpture.	Free Write in No. 493
Architectural Products Mfg. Co. 7470 Greenbush Ave., Dept. TB N. Hollywood, CA 91605 818-982-2311	Manufacturers of GRG, modified GRG, and GFRC architectural elements, including columns, capitals, mantels, moldings, ceiling panels, niches, domes, friezes, etc. Stock and custom columns.	Free Write in No. 897
Architectural Reproductions 525 N. Tillamook St., Dept. TB Portland, OR 97227 503-284-8007	Manufacturer of architectural elements in GFRC, fiberglass, and modified gypsum.	Free Write in No. 613
Art Home Studios 64 Huron St., Dept. TB Brooklyn, NY 11222 718-383-0603	Architectural sculpture studio specializing in ornamental detail for historic restorations and new construction. Can work from drawings. Exterior molded ornament in cast stone and other materials for terra cotta replacement.	Free Write in No. 643
Avian Flyaway, Inc. 1101 Ridge Rd., Ste. 103, Dept. TB Rockwall, TX 75087 214-711-1400	Offers a fast, safe, aesthetically and environmentally effective process of eliminating unwanted birds from a defined area, including structures and trees, using electric barriers or wire grids as needed.	Free
Beech River Mill Corp. R.R. Box 236, Dept. TB Center Ossipee, NH 03814 603-539-2636	Custom shutters and hardware. Company specializes in duplication and authentic reproduction of both shutters and hardware, in any size. Consultation, design, site visit, and installation services.	Free Write in No. 411
Bird Master Bird Control Systems 32 Cummings Park, Dept. TB Woburn, MA 01801 800-562-2473, 617-932-6462	Designs and installs bird proofing systems to blend in with existing features of historic buildings. Its Spinguard and Netguard systems are installed without penetration of stone or brick face. Products carry a 5-year effectiveness guarantee.	Free Write in No. 483
Bird-X, Inc. 730 W. Lake St., Dept. TB Chicago, IL 60661 312-648-2191	Bird and pest repelling products: Non-toxic chemical roost inhibitors, visual and sound devices, and physical barriers.	Free
Blenko Glass Co. P.O. Box 67, Dept. TB Milton, WV 25541 304-743-9081	This 101-year-old company produces "antique" hand-blown window glass with waves, seeds, or cords; hand-spun rondels and bull's eyes; vault lights, Dalles de Verre, and more, including small run casting projects in thicknesses from 3/4 to 5 in.	Free
Boise Moulding & Lumber 116 E. 44th St., Dept. TB Boise, ID 83714 208-322-6066	Large custom architectural millwork shop produces hard- and softwood moldings in any profile and wood species. Also, doors, windows, paneling, stairways, mantels, flooring.	Free Write in No. 317
Boston Valley Terra Cotta 6860 S. Abbott Rd., Dept. TB Orchard Park, NY 14127 716-649-7490	Produces terra cotta replacement for in- kind restoration. Can work from drawings or photos, make molds, and create final ornamentation. Terra cotta ornament, roofing tile, columns, capitals, etc.	Free Write in No. 16
Bovard Studio Inc. Stained Glass 52 E. Briggs St., Dept. TB Fairfield, IA 52556 800-452-7796, 515-472-2824	Studio produces new work and has extensive restoration experience with stained glass windows. Hand-painted medallions and faceted glass; all complete with wood, aluminum, or steel frames. Also, storm windows & wood or bronze doors.	Free Write in No. 769
Cain Architectural Art Glass Rt. 1 Box AAA, Dept. TB Bremo Bluff, VA 23022 804-842-3984	Designers and builders of hand-beveled glass windows (22 yrs.), using 1915 Henry Lang machinery; glass is guided by hand over rotating iron, stone, cork, and felt to produce beveled windows with historical characteristics.	Free Write in No. 55
Center Lumber Co. P.O. Box 2242, Dept. TB Paterson, NJ 07509 201-742-8300	Hardwood lumber and architectural millwork: Doors, windows, moldings, etc. Company has grinding facility to match existing profiles, with over 2,000 knives to choose from. Can match any profile.	Free Write in No. 680
Chadsworth Columns P.O. Box 53268, Dept. TB Atlanta, GA 30355 404-876-5410	Major supplier of architecturally correct columns in all of the classical orders. Available in both traditional stavework wood columns and new fiberglass models. Structural and ornamental.	Free Write in No. 158
Chautauqua Woods Corp. P.O. Box 130, Dept. TB Dunkirk, NY 14048 716-366-3808	Manufactures furniture-quality doors and entryways. Dozens of styles ranging from Victorian to contemporary. Custom designs. Also produces art glass.	Free Write in No. 965
M.L. Condon Co. 256 Ferris Ave., Dept. TB White Plains, NY 10603 914-946-4111	Large-capacity shop stocks wood in species from A to Z and will create any profile to spec. Moldings, railings, balusters, wainscoting, columns, and more.	Free Write in No. 401
Connecticut River Glass & Millwork P.O. Box 938, Dept. TB Charlestown, NH 03603 603-826-5703	Historic restoration and replication of window sashes, retrofitting existing sashes with insulated glass, and supplying window fabrication with narrow sight line insulated glass for historic millwork.	Free

COMPANY	SPECIALTY	Literature
Coppa Woodworking 1231 Paraiso Ave., Dept. TB San Pedro, CA 90731 310-548-4142	Offers kits for Adirondack furniture and carries 90 styles of wood doors in a variety of thicknesses. Species include pine, Douglas fir, mahogany, and oak. All sizes and finishes; arched tops available.	Free Write in No. 96
Crowning Touch, Inc. 8902 Rosehill Rd., Dept. TB Lenexa, KS 66215 800-444-0462, 913-888-2929	Variety of architectural elements, including pilasters and columns with bases and capitals, ceiling medallions, crown moldings, panel moldings, etc. Custom ceilings for hospitality clients; highly decorative panels and appliques.	Free
Custom Decorative Mouldings P.O. Box F, Dept. TB Greenwood, DE 19950 800-543-0553	Molded exterior ornaments in high-density prefinished polyurethane. Products include archways, pediments, pilasters, capitals, louvers, corbels, and moldings.	Free Write in No. 48
Denninger Cupolas & Weather Vanes RD 1, Box 447, Dept. TB Middletown, NY 10940 914-343-2229	Redwood cupolas with hand-seamed copper roofs; weathervanes, banners, arrows, caps, and finials — standard and custom — available in copper, brass, aluminum, stainless steel, and iron. Historical replications a specialty.	Free Write in No. 73
Design-Cast Materials Div. 951 Pennsylvania Ave., Dept. TB Trenton, NJ 08638 609-392-1922	Interior and exterior custom-molded ceramic stone laminates (columns, cornices, etc.) designed for non-loadbearing applications. Materials can be colored and molded to match stone, wood, and metal.	Free Write in No. 65
The J.A Du Lac Co. 3462 S. Channel Dr., Dept. TB Harsen's Island, MI 48028 810-748-9606	Hand-crafted, historically inspired cupolas, finials, and full-bodied copper weathervanes. Traditional designs available in classic American Country, Federal Colonial, and Victorian stylings.	Free Write in No. 61
Ecopic 725 S. Adams Rd., Ste. 270, Dept. TB Birmingham, MI 48009 810-647-0505	A bird deterrent system that uses stainless steel rods arranged in a triangular configuration and stamped into a clear polystyrene base. Inconspicuous and safe, it adheres to buildings with silicon.	Free Write in No. 23
Edon Fiberglass 1160 Easton Rd., Dept. TB Horsham, PA 19044 800-523-2539, 215-672-8050	This full-service design and fabrication shop is experienced in making columns, comices, cupolas, domes, spires, steeples, minarets, and other architectural shapes; restoration/reproduction.	Free Write in No. 18
Entry Fabricators, Inc. 3522 Webster Ave., Dept. TB Bronx, NY 10467 718-798-0637	Fabrication of new ornamental iron and architectural aluminum historical and landmark-qualified entrances and vestibules for commercial and residential buildings.	Free Write in No. 48
Fine Paints of Europe P.O. Box 419, Dept. TB Woodstock, VT 05091 800-332-1556, 802-457-2468	Importer/distributor/retailer of high-quality Dutch alkyd paints, primers, Swedish putty, and tools. Company offers full technical support and training programs.	Free Write in No. 69
Floral Glass & Mirror 895 Motor Parkway, Dept. TB Hauppauage, NY 11788 516-234-2200	Standard and insulating glass; also distributes Carrara glass (from Czechoslovakia) in white, black, mint green, and beige. Pink, gray-green, gray, and light blue can be special ordered. Other colors can be matched with a non-peeling, non-fading silicon glass paint.	Free
General Restoration Co., Inc. 880 E. 141st St., Dept. TB Bronx, NY 10454 718-585-4141	Specializes in the repair and restoration of deteriorated terra cotta, stone, brick, and other masonry facades.	Free Write in No. 23
Gougeon Brothers P.O. Box X908, Dept. TB Bay City, MI 48707 517-684-7286	The West System brand epoxies — developed originally for the wooden boat industry — include products for bonding, coating, and repairing cracks and holes in wood, steel, aluminum, and fiberglass.	Free Write in No. 81
Hartmann Sanders Co. 4340 Bankers Cir., Dept. TB Atlanta, GA 30360 404-449-1561	Custom architectural wood columns and capitals in wood, composites, and fiberglass for interior and exterior applications. Columns are classically correct in design — from shaft entasis to capital details.	Free
Heather & Little, Ltd. 39 Wagstaff Dr., Dept. TB Foronto, Ont. Canada M4L 2R8 800-450-0659	Since 1925, a specialist in the reproduction of sheet-metal ornaments, including finials, cornices, lion heads, crestings, canopies, metal roofing shingles, and press-metal siding. Deliveries average 8 weeks.	Free Write in No. 24
Henderson, Black, & Green P.O. Box 589, Dept. TB Froy, AL 36081 205-566-5000	PermaCast columns with FRP shaft, polyurethane sleeve type cap and base which are weatherproof and low maintenance. Other products include polyurethane pediments, pilasters, moldings, medallions, and cartouches. Also, FRP/fiberglass balustrade system.	Free Write in No. 38
Historical Arts & Casting 5580 W. Bagley Park Rd., Dept. TB West Jordan, UT 84088 801-569-2400	Expertly crafted metal ornamentation, including cornices, railings, store fronts, fences, bridges, planters, lighting, and more; in bronze, aluminum, or iron. Restoration and custom work a specialty; will work from shop drawings.	Free Write in No. 12
Hollander Glass Central, Inc. 1505 Centre Cir., Dept. TB Downer's Grove, II. 60515 800-323-4293, 708-629-7221	Wholesale distributor of an exceptionally large array of specialty glass, inlcuding antique, colored (over 2,000 shades), textured and patterned in clear and translucent, blown, and stained.	Free
Jeffries Wood Works, Inc. 8807 Valgro Rd., Dept. TB Knoxville, TN 37920 615-573-5876	Short-run specialty service to duplicate original profiles; longer runs welcome. Trim packages in any wood species (will utilize client's material to create matching molding, paneling, turnings, and stair parts).	Free

For an alphabetical Index to products supplied by these companies, see pp. 69-70.

#### Custom **Beveled Glass** Windows

Master craftsman Wayne Cain and his apprentices design and build traditional beveled glass windows on 1915 Henry Lang machinery. Guiding the glass by hand over rotating iron, stone, cork and felt, the bevel receives many small facets that give the finished window its unique character.



Front Door, Fork Union Military Academy Museum Fork Union, Virginia

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WRITE IN NO. 812



WRITE IN NO. 712

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WRITE IN NO. 38

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and the name of your nearest dealer, call The

**Column Connection** at

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DIAMETER			LEN	GTH	67	10
8"	8'	10'		100		
10"	8'	10'	12'			186
12"	8'	10'	12'	14'	16'	18'
14"	8'	10'	12'			







# C TRADITIONAL BUILDING's COMMERCIAL FACADES SourceList

COMPILED BY SHARON GARBE

COMPANY	SPECIALTY	Literature
Jennifer's Glassworks 4875 S. Atlanta Rd., Dept. TB Smyrna, GA 30080 800-241-3388, 404-355-3080	Company specializes in beveled glasswork for doors, as well as offering a range of art glass techniques for commercial applications. Design staff available.	Free Write in No. 84
Jorgensen-Carr 111 First St., Dept. TB Jersey City, NJ 07302 201-792-2278	Architectural woodworking firm specializing in custom cabinetry, paneling, doors, and unique furniture for commercial and residential spaces.	Free Write in No. 64-
King Richard's Limited 226 W. Ontario, 4th Fl., Dept. TB Chicago, IL 60610 312-482-9500	Architectural antique emporium buys and sells interior and exterior salvage and antiques: Wood, metal, stone, and especially, terra cotta works.	Free
Kivett's P.O. Drawer 590, Dept. TB Clinton, NC 28328 800-334-1139	Major manufacturer of FRP steeples and church furnishings like pews and chancel furniture. Offers steeplejack services.	Free
Liberty Cedar 535 Liberty Ln., Dept. TB West Kingston, RI 02892 401-789-6626	Western red cedar taper-sawn shakes, hand-split and resawn shakes, taper-split shingles, and straight-split shakes. Historic projects a specialty.	Free Write in No. 653
Midland Engineering Co. P.O. Box 1019, Dept. TB South Bend, IN 46624 219-272-0200	Major contractor with extensive experience in fabricating and installing exterior cornice, slate and tile roofing, domes, steeples, and other exterior work on large historic properties. Works nationwide.	Free Write in No. 742
Midwest Architectural Wood Products 1051 S. Rolff St., Dept. TB Davenport, IA 52802 319-323-4757	Produces custom windows and doors with a special emphasis on historic restoration projects. AWI premium grade construction is used, with a wide variety of glazing and wood species options.	Free Write in No. 146
Millwork Specialties 189 Prospect Ave., Dept. TB Brooklyn, NY 11215 718-768-7112	Custom millwork shop specializing in the manufacture of landmark windows, doors, and entyways. Commercial or residential; all wood species; bent, round, or arched tops.	Free Write in No. 305
Mohamad Wood Turning Co., Inc. 28 Meadow St., Dept. TB Brooklyn, NY 11206 718-417-0025	Specializes in custom wood turnings and columns in all classical styles; load-bearing for interior or exterior use. Can furnish fluting, reeding, rope twists, and custom carving. Fractional columns available.	Free
Mullane Snow Guards 17 Mason St., Dept. TB Hudson, MA 01749 508-568-0597	Bronze snow guards in eagle and standard castings for slate, wood, shingle, and metal roofs. Slate guards easily retrofit to existing roofs with no removal of slate.	Free Write in No. 56
New Found Woodworks 3525 Lawson Blvd., Dept. TB Oceanside, NY 11572 516-536-1200	Custom and historic reproduction wood windows, doors, and moldings. Custom knife profiling on premises. Long and short run custom moldings. Member architectural woodwork institute.	Free Write in No. 304
Newport Fastener 1300 Gene Autry Way, Dept. TB Anaheim, CA 92805 714-385-1111	Roof fastener specialists for 31 years. Manufactures architectural metals for tile roofs, including Tyle-Tye and Tile-Tie fastening systems and hurricane clips for roof tile.	Free Write in No. 391
Nixalite of America, Inc. P.O. Box 727, Dept. TB East Moline, IL 61244 800-624-1189, 309-755-8771	Strips present a simple barrier of needle- sharp stainless-steel points that do not harm birds, but prevent their landing/roosting on the surface protected. Worldwide use with humane society acceptance.	Free Write in No. 37
W.F. Norman Corporation P.O. Box 323, Dept. TB Nevada, MO 64772 800-641-4038	Major fabricator of sheet-metal ornament: Hundreds of stock designs of cornices, moldings, brackets, etc. Duplications from samples or drawings.	Free Write in No. 52
Pagliacco Turning & Milling P.O. Box 225, Dept. TB Woodacre, CA 94973 415-488-4333	Standard and custom columns and other turnings in all the classical styles. Solid and hollow turnings from 1-5/8 in. to 24 in. by 20 ft.; some are load bearing. Stair parts, railings, balusters, and custom work.	Free Write in No. 707
Patinas and Copper Coatings 8455 Commerce Ave. #B, Dept. TB San Diego, CA 92121 800-882-7004	Manufacturers of surface coatings and patina solutions, which can be applied to metals, drywall, wood, etc. Water-based metal coatings in silver, gold, and bronze; 4 patina colors. For interior or exterior use.	Free Write in No. 315
Walter E. Phelps Co. Box 453, RR #5, Dept. TB Brattleboro, VT 05301 802-257-4314	Solid brass and steel sash pulleys in ball bearing and plain-bearing models.	Free Write in No. 595
Robinson Iron P.O. Box 1119, Dept. TB Alexander City, AL 35010 205-329-8486	Major cast-iron restoration and supply firm that also works in aluminum and bronze offers — from the restoration/replication of cast-iron facades to stock and custom fencing and landscape furnishings.	Free Write in No. 324
Rogers Roofing Co., Inc. 251-1,2 Grove Ave., Dept. TB Verona, NJ 07044 201-239-5001	Major roofing contractor with expertise in traditional roofs, domes, steeples, slate and tile. Custom copper work, wood roofs, drainage systems, and complete exterior restoration. On-site metal shop.	Free Write in No. 746
Ruffin & Payne, Inc. P.O. Box 27286, Dept. TB Richmond, VA 23261 804-329-2691	Manufactures wood windows to custom size and detail, as well as doors and other millwork to order. Experienced in historic replications; authentic Colonial Williamsburg detail a specialty.	Free Write in No. 335
Schwerd Manufacturing Co. 3215 McClure Ave., Dept. TB Pittsburgh, PA 15212 412-766-6322	Column specialists. Standard and custom columns can be furnished with matching pilasters. Complete aluminum bases available for even-diameter exterior columns. 10 styles of capitals.	Free Write in No. 161

COMPANY	SPECIALTY	Literature
Seal Reinforced Fiberglass 23 Bethpage Rd., Dept. TB Copiague, NY 11726 516-842-2230	Molder and tooler fabricates FRP building components. Stock and custom columns, cornices, cupolas, and other elements; onsite molds. Also carries landscape furnishings.	Free Write in No. 4
Seekircher Steel Window Repair 630 Saw Mill River Rd., Dept. TB Ardsley, NY 10502 914-693-1920	This shop specializes in steel casement window adjustments and repair for residential, commercial, or historic buildings.	Free Write in No. 3
Sepp Leaf Products, Inc. 381 Park Ave. South, Dept. TB New York, NY 10016 212-683-2840	Suppliers of gilding products and tools: Gold leaf booklets and rolls, imitation gold and aluminum, sizes, burnishing clays, etc. Also associated with the Center for Gilding Arts, which offers all levels of gilding courses.	Free Write in No. 20
Smith of Derby, Clockmakers 14 John Poulter Rd., Dept. TB Lexington, MA 02173 617-235-0391	Eminent clock designers have a repertoire that includes pillar clocks, wall-mounted dials, convex dials, floral dials, tower and steeple clocks, and custom fabrication. Conservation and restoration of antique clocks.	Free Write in No. 2
Stahl Restorations P.O. Box 1991, Dept. TB Hoboken, NJ 07030 201-659-6754	Provides a full range of architectural preservation services, from meticulous restoration of old wood to the creation of new work in traditional styles: Cornices, windows, doors, store fronts, and porches.	Free
Stulbs Old Village Paints P.O. Box 2612, Dept. TB Fort Washington, PA 19034 215-654-1770	This company specializes in historic paints: Old Village linseed oil paints and Williamsburg Buttermilk Paints and Glazes. It is also a source for feathers, combs, and other graining tools.	Free Write in No. 1
Style-Mark, Inc. 960 W. Barre Rd., Dept. TB Archbold, OH 43502 800-446-3040, 419-445-0116	High-density polyurethane millwork and building accents: Moldings, gable louvers, door entrance systems, pilasters, mantels and pediments; can be nailed, sawn, drilled, or glued.	Free Write in No. 48
Superior Hardwoods & Millwork P.O. Box 4731, Dept. TB Missoula, MT 59806 800-572-9601	Paneling, flooring, and custom millwork for facades. Works in a wide range of wood species, from hardwoods such as butternut and Jamaican blue mahow to softwoods like Montana tamarack.	Free Write in No. 8
Timber Fab, Inc. P.O. Box 399, Dept. TB Tarboro, NC 27786 919-641-4141	Custom timber framing company specializing in exposed beam trusses, custom entryways, timbered interiors, and steeples.	Free Write in No. 52
Tradesman's Choice 3926 Canehill Ave., Dept. TB Long Beach, CA 90808 714-935-2800	Carries special gutter hangers.	Free Write in No. 8
Vertical Access P.O. Box 4135, Dept. TB Ithaca, NY 14852 607-257-4049	Inspection and testing services for extreme or otherwise hard-to-reach locations. Services include written reports, video and photo documentation, Boroscope surveys, wall tie, and crack mapping.	Free Write in No. 47
Vestibule Restoration Corp. P.O. Box 361, Dept. TB Thiells, NY 10984 718-798-1890	Specialists in restoration of landmark and historic wrought-iron entrances. Existing ornamentation and filigree re-utilized; architectural plans and specifications available with each upgrade.	Free Write in No. 48
Vixen Hill Mfg. Main St., Dept. TB-4 Elverson, PA 19520 215-286-0909	Supplies solid panel or fixed-slat cedar shutters and top-of-the-line gazebos.	Free Write in No. 12
Wallis Doors & Stained Glass Rte. 1 Box 22A, Dept. TB Murray, KY 42071 502-489-2613	Victorian carved and stained glass doors made with blind mortise & tenon construction. Stock and custom work. Line of solid brass hardware.	Catalog \$4
Wood Window Workshop 839 Broad St., Dept. TB Utica, NY 13501 315-732-6755	Custom built door and windows in all shapes, styles, and woods; historical reproductions. Rail-&-stile or laminated plank doors can be pre-hung, pre-finished, and fully weatherstripped. Complete millwork packages.	Free Write in No. 96
Wood Factory 111 Railroad St., Dept. TB Navasota, TX 77868 409-825-7233	Historically accurate millwork reproductions, both interior and exterior: Doors, screen doors, gingerbread, benches, gazebo parts, finials, stair parts, railings, porch parts, custom-turned lighting posts. Custom matching available.	Free Write in No. 71
Woodstone Company P.O. Box 223, Dept. TB Westminster, VT 05158 802-722-9217	Specialist in making high-quality traditional wood windows. Also provides other millwork, such as moldings, turnings, casework, doors, etc., in a variety of woods, including exotics.	Free Write in No. 84
Worthington Group P.O. Box 868, Dept. TB Froy, AL 36081 800-872-1608, 205-566-4537	Supplier of true classical columns in all the basic orders. Also: FiberClassics columns and balustrades, panel and cornice moldings, brackets, mantles, and furniture.	Free Write in No. 16
Yankee Steeplejack Co. 103 Assabet Ave., Dept. TB Concord, MA 01742 508-369-9078	Complete steeplejack services and specialty rigging. Unlimited heights and capabilities; simple waterproofing and painting through complete roof jobs.	Free Write in No. 34

For an alphabetical Index to products supplied by these companies, see pp. 69-70.

### HISTORIC BUILDINGS, BY DESIGN, ATTRACT PEST BIRDS

Historic preservationists recognize that our nation's architectural treasures need to be protected from these unwanted guests. In many cases, "off the shelf" treatments, such as porcupine strips, sticky repellant gel, electrical shock systems, to name a few, do more damage to the fabric of the buildings, than the bird populations themselves.

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Bird Master systems are:

Flexible – We design and install our systems to blend in with the existing features of the building.

**Discreet** – Once in place our systems are undetectable from ground level.

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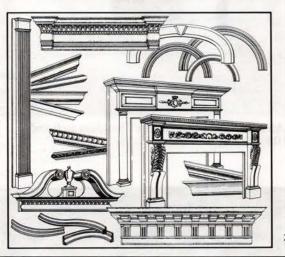
National Cathedral, Washington, DC



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Executive Woodsmiths will craft a
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pediments, and architectural features
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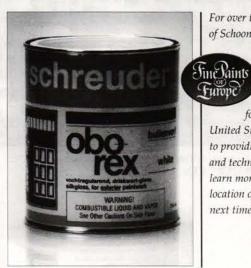
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#### Hardware

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#### Complete Service Provided

- replicate any shutter or hardware
- technical drawings for Historical Commissions
- · consultation and site visits
- installation

#### **TRADITION & QUALITY**

since 1856

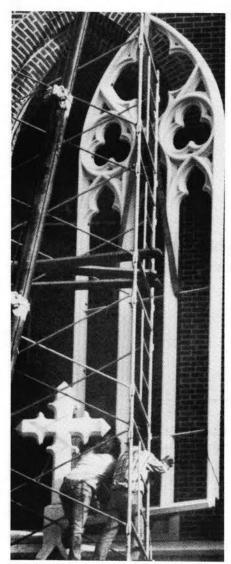
#### Beech River Mill Corp.

Old Rte. 16, Dept. TB, Ctr. Ossipee, NH 03814 Phone & Fax (603) 539-2636 1-800-621-2636 Send \$3.00 for Catalog

Sandarde (Salida December Comment of Comment of

# COMMERCIAL FACADES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 70-74.



BOVARD STUDIO INC., STAINED GLASS craftspeople are shown installing a 21-ft. high Gothic window frame in the St. Francis Solanus, Quincy, IL. The studio reproduced the Honduran mahogany frame after the original was lost in a fire. Write in No. 769



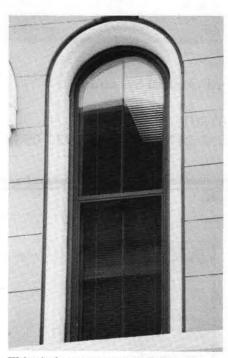
BOSTON VALLEY TERRA COTTA produced the polychrome terra cotta replacement on the Liberty Towers restoration. The building is located on Main and Court, Buffalo, NY. Write in No. 16



ECOPIC CORP.'s bird deterrent system is inconspicuously at work on this window pediment in Paris, France. Write in No. 233



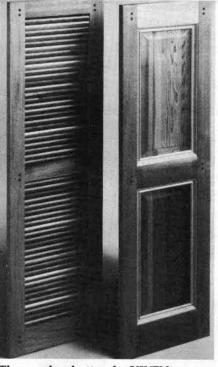
Harry Littell, of the structural inspection and testing service VERTICAL ACCESS, investigates a brick veneer failure. Write in No. 476



This circle-top storm window on the 4th and Plum Building, Cincinnati, OH, is a Historic-One-Lite product from ALLIED WINDOW, INC. The designs have been certified by the National Park Service for use on historic renovation projects.



The First Church of Christ Scientist, Montclair, NJ, receiving restoration to its steeple from ROGERS ROOFING CO., INC. Write in No. 746



These cedar shutters by VIXEN HILL are made with teak pegs and mortise-&-tenon construction, and are available in a number of louver and panel designs. Write in No. 123



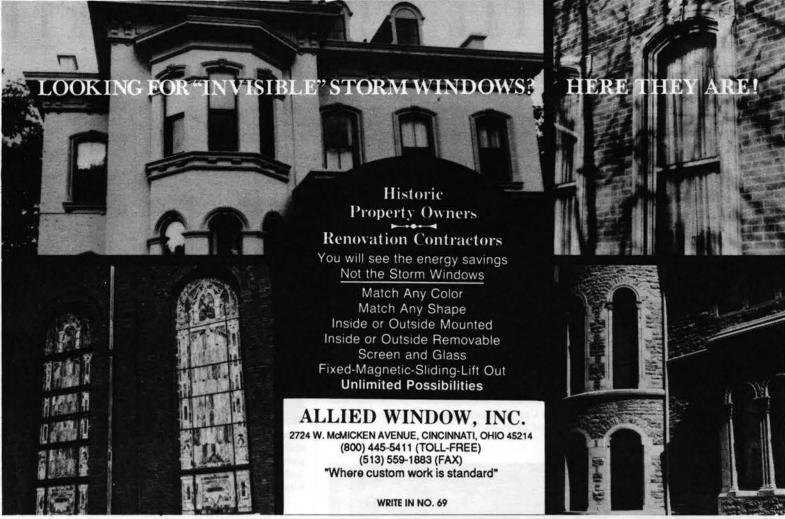
A sample of ornate turnings from MOHAMED WOOD TURNING CO., INC.



SEAL REINFORCED FIBERGLASS INC. custom made the fiberglass arch and pilasters for the refurbishing of this storefront. Write in No. 462



The Peachtree Presbyterian Day Care Center, Atlanta, GA, features classically correct columns by HARTMANN SANDERS CO.



# Vixen Hill Cedar Shutters Stand the Test of Time!



Finally! Authentic wood shutters that are beautiful, long-lasting and easy to live with.

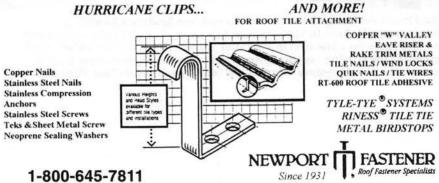
The natural qualities of our hand-selected clear cedar keep your Vixen Hill Shutters "healthy" by repelling insects and preventing rot. In addition, our cedar's porous long-grain fiber provides exceptional strength and a superior surface for easy staining or painting.

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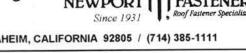
Vixen Hill Main Street, Elverson, PA 19520 For quote and/or brochure, call or fax your requirements.

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WRITE IN NO. 123



1300 GENE AUTRY WAY / ANAHEIM, CALIFORNIA 92805 / (714) 385-1111



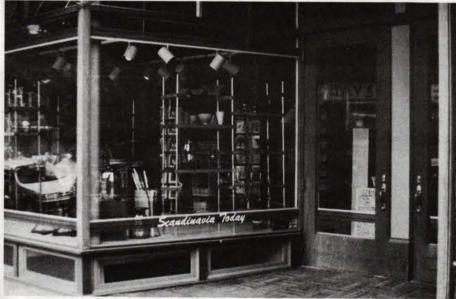


# COMMERCIAL FACADES PORTFOLIO

For more information on these companies, consult the SourceList on pp. 70-74.



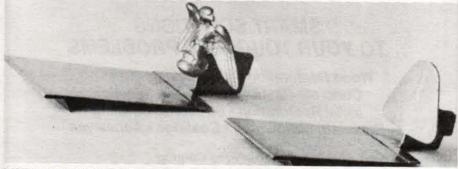
STAHL RESTORATIONS used the Window Care Systems to repair failed epoxy repairs on the windows of NYC's Henry Street Settlement.



This glass and wood storefront by BOISE MOULDING AND LUMBER, is part of the Alaska Center located on Main St. in Boise, ID. Write in No. 317



Above is the Waltham Public Library, Waltham, MA, for which MIDWEST ARCHITECTURAL WOOD PRODUCTS produced the 6 ft. X 13 ft. roundtop windows with true divided lights using low-E glass. Write in No. 146



MULLANE SNOW GUARDS are available in 2 cast bronze head designs: The Standard (shown on the right) is a reproduction of an 1899 design, or a full eagle figure. Write in No. 56



After installation of NIXALITE, a stainless steel needle strip, prime perching spots like the tops of capitals and architraves no longer attract pesky birds. Write in No. 37



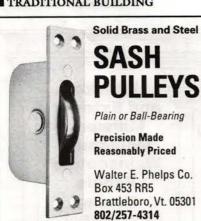
THE WOODSTONE CO. replaced all the weight-and-pulley, double-hung wood windows with true divided insulated glass in this landmark cast-iron building in NYC's Soho section. Write in No. 986



The facade of PAGLIACCO TURNING AND MILLING's showroom offers a sampling of the company's columns, newels, and balusters. Write in No. 707



The Zinszer Building, shown above, is a cast-iron landmark located in Birmingham, Al. Built in 1889 as a furniture store, the building was converted to office space for a law firm in 1985 after years of neglect. ROBINSON IRON replicated the missing cast-iron pieces, making molds from existing parts to produce the new first-story columns and other classical detailing. Write in No. 324



WRITE IN NO. 595



#### INTERIOR INSTALLATION

- Retains Exterior Beauty
   Easy to Measure & Install
   Convenient Opening/ Cleaning

#### **ENERGY EFFICIENT**

- Wood Sash Custom Size
   Insulating Glass/ Low-E & Argon
   Airtight Weatherseal

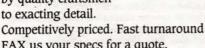


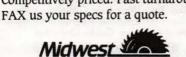
P.O. Box 1384 Port Washington New York 11050 516-944-3644

WRITE IN NO. 79



...windows and special projects built by quality craftsmen





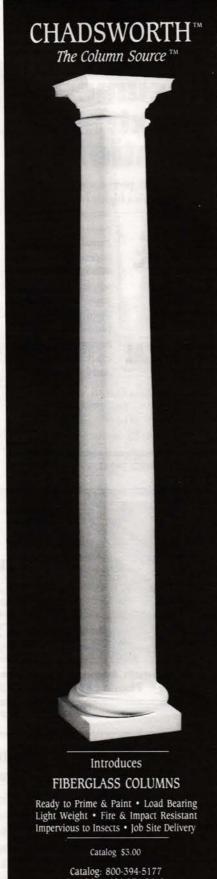
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#### MIDWEST



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> 386 WRITE IN NO. 146

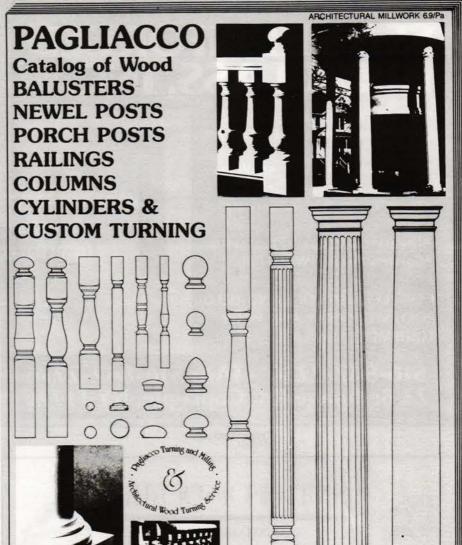


Catalog: 800-394-5177 Inquiries: 404-876-5410

Chadsworth Incorporated P.O. Box 53268, Dept. 21 Atlanta, Georgia 30355

WRITE IN NO. 158

#### 24 Page Catalog



Our catalog shows a complete range of architectural turnings. All products incorporate design authenticity, skilled craftsmanship and quality materials.

RK s' Turning and Milling **VICTORIAN TURNINGS & MILLWORK** Designs are based on manufacturers'

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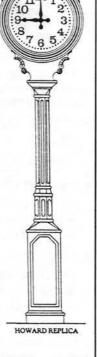
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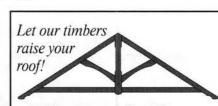
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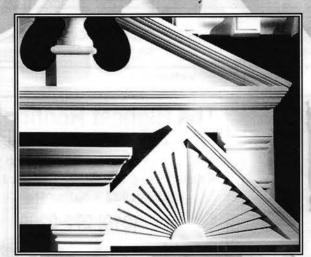
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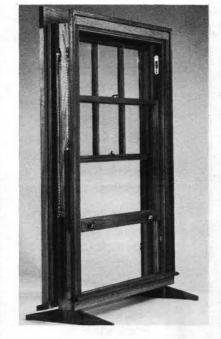


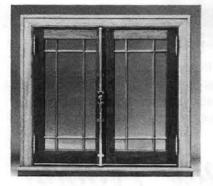
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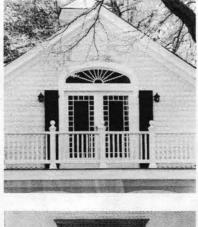
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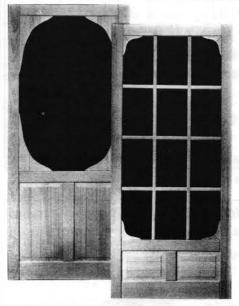
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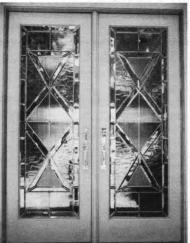
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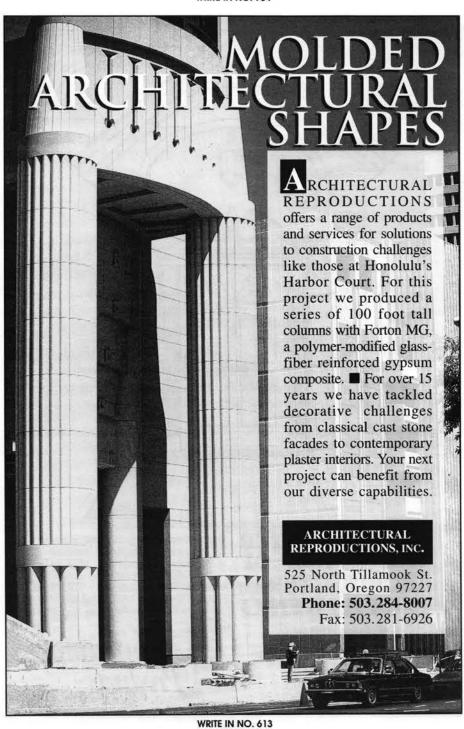




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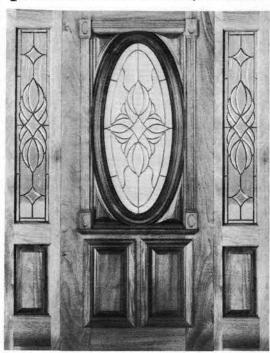
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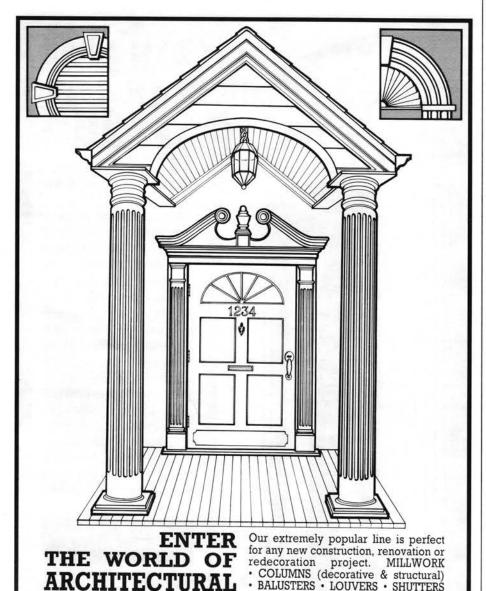
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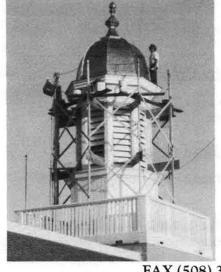
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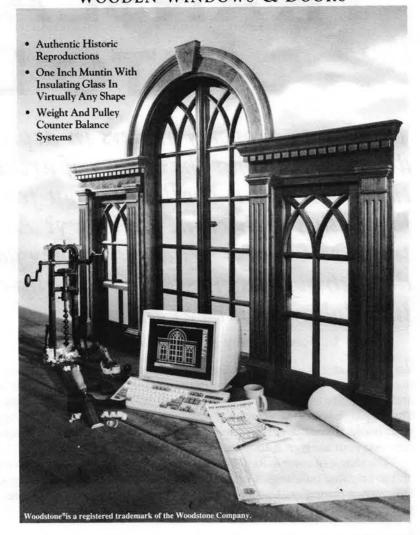
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# TRAN\$LATING COLOR INTO DOLLAR\$

Talking to property owners in depressed downtowns about the history of architectural colors is a challenge. You feel the fog of their cynicism. "History? Architecture? Colors? What have they got to do with my business?" Translating color into dollars can clear the air.

by John Crosby Freeman, The Color Doctor

You can't redistribute peoples' incomes into your tills unless you give them a reason to park their cars and shop in your stores. Despite what your mothers and first-grade teachers taught you, people still judge books by their covers. They'll judge your downtown the same way. You can't make them browse in your books if your covers are scuffed, torn, dirty, and dull. They won't stroll between your shelves, if they look disheveled and dangerous.

The magic of color is its ability to cleanse, to repair, to protect, to organize, and to brighten buildings. Color is *curb appeal*. It's a silver bullet for your Shop Downtown campaign. Use it to win drive-by shoot-outs with shoppers. Amortize the cost of color over the five to ten years of its effectiveness.

# Color is the cheapest one-shot investment in advertising and publicity any downtown can make.

The pride that you, as individuals, take in your independence as downtown business persons will not survive into the next millennium unless you, as groups, work together to revitalize downtown. The most dramatic low-budget demonstration of your willpower to work together is a color campaign focused on contiguous buildings.

Five fingers of architecture working together in a fist multiplies the negotiating power of each owner. Big contracts attract big contractors. The efficiency and reliability of their expertise and equipment will save you money. You also save big dollars on the cost of scaffolding: Erect it once, pay for it once. Then it's moved from one facade to the next.

A devitalized downtown is a collection of neglected flower beds, and you are its gardeners. Only you can make your gardens of commerce bloom again and bring back shoppers to buzz through your stores.

That's the why of translating architectural color into dollars. The how part

is more complicated, but here are seven lamps to guide you.

FIRST, clean what you've got. Beautiful colors of brick, stone, glazed terra cotta, and decorated tiles sleep like fairy-tale princesses under layers of neglect and urban pollution waiting to be awakened by a gentle, revitalizing kiss. Never forget the second commandment\*\* of architectural preservation: "Thou shalt not water-blast or sandblast old brick, stone, terra-cotta, or tiles." Original colors and textures of brick, stone terra cotta, and tiles are only skin deep. Don't blast them into oblivion. Money can't bring them back.

<u>SECOND</u>, hire preservation professionals for cleansing and repair. They reverence the colors and surfaces of original building materials. They know the best, gentle methods of washing, chemical stripping, scraping, and brushing.

THIRD, repair surfaces or joints with appropriate materials of top quality. Avoid any substance or procedure that destroys the integrity of brick, stone, terra cotta, or tiles. The most infamous example is using hard Portland cement mortar to re-point old soft brick.

<u>FOURTH</u>, repair and maintain the building's system of water conduction. Money spent on cleansing and repair of surfaces and joints is wasted if nothing is done to control water penetration — the leading cause of surface and structural degradation.

FIFTH, integrate your signage and its colors with your architecture. Your biggest and best advertisement is your architecture. Make your signage and its colors work with it, not against it. Appropriate architectural areas for signage are windows and doors, as well as awnings properly scaled and positioned over them. Blank side walls are legitimate areas for signage in an old-fashioned billboard style. Festive banners stretched or festooned across architectural features are appropriate, if they are temporary, but permanent signboards in the same location are a slap in the facade.

<u>SIXTH</u>, pick your paint colors from an architecture-based system of color. Avoid the oddity of Painted Lady colors. Colors that imitate traditional building materials are more sensational than those that don't, because they make more sense. Let the natural colors of brick, stone, terra cotta, and tiles be your guide.

SEVENTH, place your architectural paint colors architecturally. Make paint colors the servant of your architecture, never its master. Once again, avoid the oddity of Painted Lady placements in erroneous zones, oblivious to the architectural logic of your building. Dramatize the architectural interplay of load,

thrust, solid, void, projection, recess, rhythm, balance, scale, proportion, structure, and ornament with architectural placements of architectural colors. You'l have a color play that shoppers will be glad to see again and again — becausit's joyous without joking, glorious without gaudiness, delightful without delirium.

#### **Traditional Building Paint Colors**

During the late 19th and early 20th centuries, when most surviving downtown were built, it was much easier to select traditional building paint colors than i is today. Back then, ready-mixed exterior colors numbered less than a hundred Today's custom-color selectors display hundreds and thousands of colors and rarely differentiate exterior colors from interior colors. Back then, exterior colors had names that identified the traditional building materials they emu lated. For example, *Bronze Green* was first used as an architectural color name in the 1880's. Today's color names are murky *noms de marketing*. Yesterday's *Bronze Green* is today's *Dark Forest*.

The legacy of Victorian and Edwardian architectural color names is preserved in an obscure 1899 Sherwin-Williams booklet, *Shades and Tints: Names or Numbers?* It's a color name index to 38 exterior colors. Thirty-four of the colors are indexed to traditional building materials. Two of the other four are *Dark Lavender* and *Sky Blue* — traditional porch ceiling colors. The remaining two are *Rich Maroon* and *Moss Green* — traditional colors for doors, sash, and store fronts. Figures in parentheses indicate the number of different colors to which each color name was indexed.

#### **Stone Colors**

Stone (4), Stone Drab (3), Brown Stone (3), Gray Stone (6), Green Stone (8), Yellow Stone (4), Buff Stone, Blue Stone, Sandstone (3), Light Stone (5), Medium Stone (2), Dark Stone (3), Pale Stone, Warm Stone

#### **Slate Colors**

Slate Green, Slate Brown, Drab Slate, Light Green Slate, Dark Slate

#### Terra Cotta Colors

Light Terra Cotta (2), Medium Terra Cotta (2), Dark Terra Cotta (2), Deep Terra Cotta

#### **Bronze and Lead Colors**

Bronze Green, Bronze Yellow, Light Bronze Green, Antique Bronze Green, Blue Lead, Light Lead

Two pale orange yellows were identified as Milwaukee Brick. Single colors were named Brick Red, Light Oak, Metallic Brown, Window Blind Green, and Front Door Green.

"The [Mesker] Galvanized Iron Front you put up for me about 28 years ago [in 1863] is good today as ever . . . it has been painted and sanded, which gives it the appearance of richly cut and carved stonework."

There was a direct correlation between the prevalence of stone colors in the exterior color selectors of Late Victorian and Edwardian ready-mixed paint companies and the prevalence of cast-iron and sheet-metal storefronts in thousands of commercial districts built from the 1860's through the 1920's. These metal-front villas, mansions, and palaces of commerce were "painted and sanded" in stone colors to give them "the appearance of richly cut and carved stonework," because their style almost always emulated the stone masonry of Neo-Classical or Gothic Revival architecture.

Stone colors were "downtown"; remember that when you revitalize old downtown with fresh paint colors. When it comes to painting historic downtown buildings, imitation is still the sincerest form of flattery.

\*\*The first commandment is "Honor thine architectural fathers and mothers by saving them from the wrecking ball."

John Crosby Freeman recently developed historic exterior and interior color cards for the Valspar Corporation's "Southern Heritage Historic Colors of the Old South," which are available exclusively in Lowe's Home Centers. His selection of 140 colors was based on the American tradition of architectural colors and features many stone colors, as well as color emulations of brick, terra cotta, stucco, hardwoods, and metals. Send \$1 (S&H) to receive color cards to: John Crosby Freeman, 1601 Sheridan, Norristown, PA 19403 or call for more information (610) 539-3010.

#### )KLAHOMA MAIN STREET

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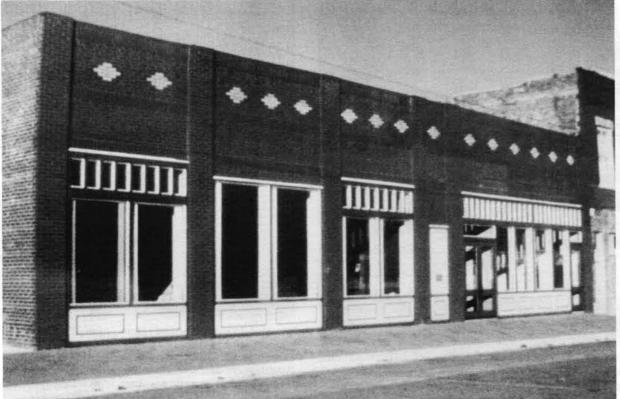


A corrugated-metal mansard, canopy, and stucco-panel walls once concealed the storefronts and corner entry of the Babcock Building, in El Reno. The storefronts have gone from two-thirds empty to fully rented and the owners now plan to restore the upper floors.



An Art Moderne shoe store in Ponca City has become an upscale Italian restaurant, with dining terraces at the rear and the second floor converted into three private dining rooms.





A 1920's automobile showroom in Anadarko (top photo) has been transformed into a public library (above) and community center (architect: Don Beck), complete with Native American brick patterns in the new sidewalk. Inside, original arched trusses have been left exposed, while the mechanics' pit has been turned into a reading nook.

ignWorks (the only program of its kind in the country, a collaboration with the Oklahoma State Arts Council and the Oklahoma Foundation for Architecture). A series of on-site workshops for towns not requiring or ready for full Main Street treatment, DesignWorks "identifies needs and sets goals" for improving "all the things that affect the image a town projects." One powerful teaching tool: A video in which an industrialist chooses a site for his business based on the quality of a town's built environment. "It gets to people who think design is just frilly," Clinard explains.

#### **Gathering Momentum**

Oklahoma towns tend to contain similar architecture, much of it eclectic and not architect-designed. "A mad rush of people from all parts of the country settled the territory very quickly," Frantz points out. Main Street towns range in size and character, however, from struggling oil-boom centers like Okmulgee, which has lost two-thirds of its peak populations of 35,000 . . . to rural villages like Hooker, where 1,500 people support no less than seven churches . . . to urban slaughterhouse districts like Stockyards City. Clinard, who has a degree in historic preservation (and who once imported yachts for a living), focuses on the more urban towns and the communities furthest advanced in the Main Street program. Melody Kellogg, an MBA, handles the medium-size communities. Les Hall, a former auto-parts store owner and Main Street manager, works with the small towns (only a third of the nation's Main Street programs have designated small-town coordinators). Main street managers' previous jobs include banker, landscape architect, journalist, kindergarten teacher, football player, and gospel singer.

So far, just four towns have dropped out of the program, as civic or business leadership changed or infighting arose. Clinard explains, "This process is essentially about people — how you motivate them to change and feel good about it. It's not a science; we've had some failures. You never know what went on behind the scenes. There are also towns that muddle along in the program, just meeting the basic requirements. And some towns have the right people and the right attitude; they're ready. And they get going right away." The goal, in every case, is a new market niche or an old market niche rejuvenated.

Stockyards City, for instance, is capitalizing on its existing supply of western-wear hatmakers and bootmakers. "It's authentic, the real thing," says

continued on next page

#### OKLAHOMA MAIN STREET

continued from previous page

Clinard. Two years into Main Street membership, 48 Stockyards buildings have been renovated, 40 jobs created, \$600,000 invested. In Okmulgee, Native American history is paying off; a handsome c.1876 headquarters for the Creek Indians is being restored at a cost of \$1.7 million and all the once-vacant buildings on the nearby main square are full. The midsize town of El Reno has begun staging a burger festival each May, serving the world's largest patty (nine feet in diameter) on a bun delivered by tractor-trailer. Then there's Newkirk, which is promoting its Richardsonian Romanesque buildings carved from locally-quarried limestone; cleancut Hooker, where T-shirts read "Not your typical hooker"; and aggressive Checotah, with its 400member "Club 21": You join by giving Main Street money in any multiple of 21, starting at 21 cents.

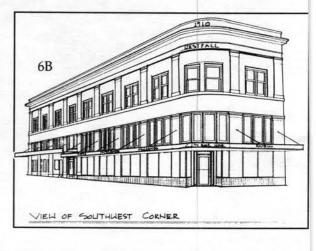
Not that the Main Street Program will ever minister to every town in Oklahoma. "Some towns, frankly, are just destined to die, there's nothing anyone can do," says Frantz. "And some towns are doing fine or doing great on their own, like Guthrie." (Built up at the turn of the century, while vying to become the state's capital, its two-square-mile core now ranks as the National Register's largest urban historic district.) Frantz goes on: "And some towns aren't quite ready for us yet. But they're getting there."



The 1910 Westfall Building in Sapulpa, on a street that is also a segment of Route 66, was renovated in the 1940's (right & below right). Its restored incarnation (above) has attracted 100% storefront occupancy; second-floor office construction is currently in progress.

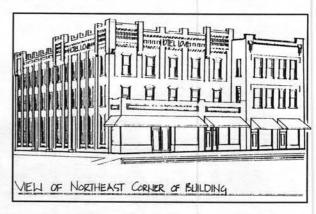








Relatively undamaged under a coat of aluminum, a Bayrouth's department store in Sapulpa (at center of photos) is still occupied by its original owner, while a former J.C. Penny building at far right has become an antiques mall.





The Hotel Love in Purcell (photographed in midrestoration) has since lost a coat of green paint as well as mis-sized windows, protruding air conditioners, and storefront alterations. The building is now used as an antiques store, with a freshly exposed tin ceiling.

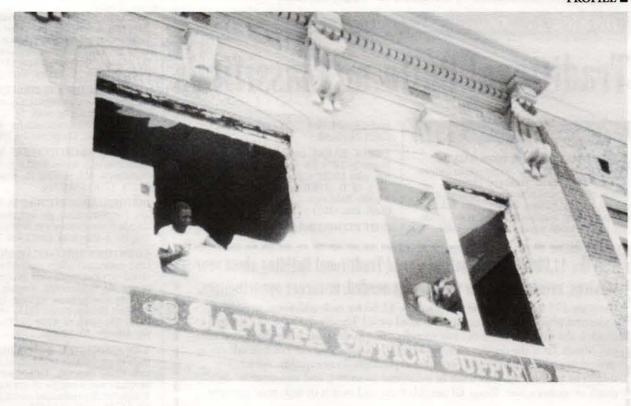




Removal of concrete blocks from the second-floor windows and storefront restoration at Sapulpa Office Supply, on Route 66, cost about \$5,000.



Some 150 citizens of El Reno gathered to cheer at an "un-aluminizing party" as corrugated aluminum was peeled from this facade.







The owner of Key Rexall Drug, in Okmulgee, had worked there for 28 years before he purchased the structure in 1990 and removed its aluminum mask (top photo). Windows were intact underneath, but the cornice and name-plate had to be recreated based on old photographs (bottom photo).

**Division 17 - Classifieds** 

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Division 18 - Book Reviews

#### LIVABLE URBAN ENVIRONMENTS

High-rise public housing and the bulldozer approach to urban renewal originated in the theories of urban designers of the 1930's and 40's. Now that these concepts have been thoroughly discredited, the Editors felt it would be a useful exercise in connection with this special issue on Restoring Main Street to see what today's urban theorists are advocating. (To our relief, most of the new books seem willing to recognize the wealth of wisdom, experience, and knowledge accumulated within the classical and traditionalist approaches to the urban environment.) Here's a sampling of some recent volumes on urban design:

■ Garden Cities 21: Creating a Livable Urban Environment, John Ormsbee Simonds. McGraw-Hill, 231 pp. Hardcover, \$42.

A micro to macro look at how cities work, with examples and techniques for improving their efficiency and livability. It thoughtfully builds on Sir Ebenezer Howard's *Garden Cities of Tomorrow*, published nearly a hundred years ago. Simonds' solutions call for the connection of centers of activity and the creation of "greenways" and "blueways" that control development patterns and provide rejuvenating buffers or "breathing room" between condensed, productive urban centers. *To order this book call 1-800-MCGRAW* 

■ New Practice in Urban Design, Architectural Design Profile No. 105, from the proceedings of a symposium organized in collaboration with the Prince of Wales's Institute of Architecture. 96 pp. Paperback, Academy Group/St. Martin's Press. \$24.95.

The participants in this symposium, "Classical Solutions for New Developments," held in December 1992, are leaders in today's advocacy for traditionalist approaches to city and urban planning. Transcripts of a lively forum made up of the four main project presenters — Demetri Porphyrios, Andres Duany, Leon Krier, and Chris Sattler — and a host of theorists, critics, practitioners, and patrons, are followed by beautifully illustrated project presentations. *To order this volume, call the Customer Service Dept. at St. Martin's Press: 1-800-288-2131.* 

■ Designing America: Creating Urban Identity, Joel B. Goldsteen and Cecil D. Elliott. Van Nostrand Reinhold. 319 pp. Paperback, \$39.95.

The authors of this urban-design sourcebook believe that "the design of urban places can follow many paths to success, that style and fashion are of much less importance than the spirit with which a spatial project is conceived and constructed." Case studies of metropolitan, village, and rural sites are discussed; historical, cultural, and behavioral examples examined; and design, development, and financing issues are addressed — all with an emphasis on discovering the identity of a community and effecting strategies that promote and enhance the character of a place. To order, call Van Nostrand Customer Service at 800-842-3636.

■ Urban Design: The American Experience, Jon Lang. Van Nostrand Reinhold. 509 pp. Hardcover, \$59.95.

This planning reference guide examines design movements, schemes, and the philosophical underpinnings of urban design in this country. It advocates a user-oriented approach — from communal decision-making to the implementation of practices, which create inspired and functional environments.

The book, while striving to present a comprehensive view of urban design in the United States, presents no exhaustive coverage of the subject, but rather develops a framework for asking questions about what it aspires to do and its obligations to individuals and society. *To order, call Van Nostrand Customer Service at 800-842-3636.* 

Wisions for a New American Dream: Principles, Processes, and an Ordinance to Plan and Design Small Communities, Anton Clarence Nelessen. A. Nelessen Associates. 406 pp. Paperback, \$40.

This book is concerned with the creation and retrofitting of small communities that exist within larger ones, as a means of avoiding or reversing the misfortune of insensitive suburban sprawl. The highways that were once Main Street, and the greenbelts that buffered towns, now house strip malls, which have devastated communities. Nelessen presents practical solutions to this state of affairs with a step-by-step planning process; historical analysis of problems and case studies; small-community design principles; and chapters covering code writing and the approval process. To order this book send \$40 plus \$4 shipping to: Visions of a New American Dream, A. Nelessen Assoc., 134 Nassau St., Princeton, NJ 08542. Make checks payable to A. Nelessen Assoc.

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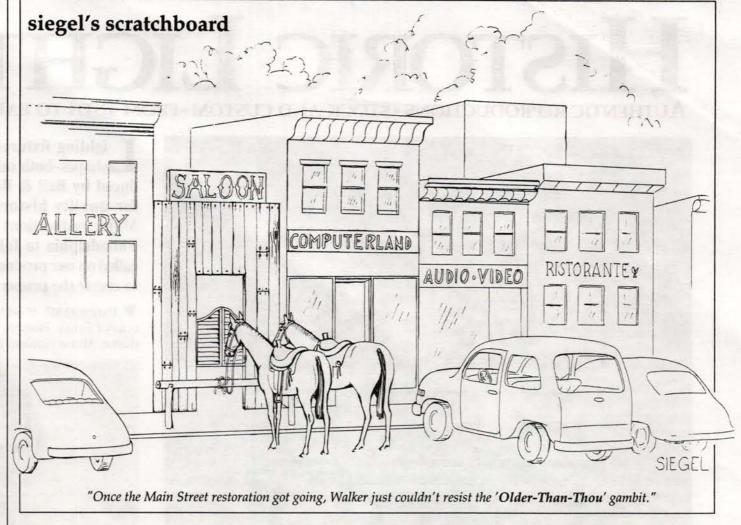
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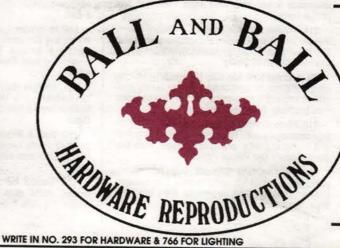
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