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Directory of Accessible Building Products



Making Houses User Friendly for Everyone

Directory of Accessible Building Products 2001

Eleventh Edition: January 2001

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ACKNOWLEDGMENTS

The NAHB Research Center, Inc. wishes to thank the companies who have participated in making this *Directory* possible. With the support of these companies, the NAHB Research Center publishes this *Directory* with the hope of increasing accessible residential housing for Americans with physical limitations.

NAHB Research Center Staff contributions: Deborah Adler, Edy Crane, Sabra Harvey, Mallika Kishen, David Neun, and Beth Piazza.

Cover design by Sabra Harvey, NAHB Research Center. Cover photo of Washington Square, a seniors' development in La Plata, MD, provided by Bruce Davis Construction, Inc.

DISCLAIMER

The information contained in this *Directory* is provided by the Manufacturers. While the information is believed to be accurate at the time of publication, the NAHB Research Center does not undertake to verify the accuracy of the information submitted. Please check directly with the manufacturer for updated information or to verify the accuracy of any claims made herein.

ADVERTISING INFORMATION

If your company would like to participate in next year's edition, please contact the Research Center:

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TABLE OF CONTENTS

Introduction

Research Center Addresses Seniors' Housing Needs	i
--	---

Kitchen And Laundry 1

Appliances	1
Cabinets	16
Sinks	20
Faucets	22

Bathroom 24

Faucets and Shower Valves	24
Tubs and Showers	28
Shower Doors	46
Fixtures	47

Doors, Windows, and Assistive Hardware 58

Doors, Locksets, and Door Openers	58
Windows, Patio Doors and Window Openers	62

Assistive Devices 67

Adjustable Storage Systems	67
Climate Control	68
Home Automation	70
Lighting Control	71

Plumbing Systems 72

Ramps 73

Stair Lifts and Elevators 74

Appendixes

Appendix A: NAHB Research Center's Publication List and Order Form	79
About the NAHB Research Center	91
Appendix B: Guidebooks and References	93

Index

Index of Companies Listed	95
---------------------------------	----

RESEARCH CENTER ADDRESSES SENIORS' HOUSING NEEDS

The NAHB Research Center launched the National Center for Seniors' Housing Research, which is funded by the U.S. Administration on Aging with the support of the National Association of Home Builders (NAHB) and the AARP, in May 2000. The underlying goal of all work coming out of the Seniors' Housing Research program is to enable all Americans to "age-in-place" comfortably, safely, and independently in their own homes regardless of income or ability level.



NAHB Research Center

Findings from a May 2000 AARP survey, *Fixing to Stay*, showed the overwhelming majority (82%) of mid-life and older Americans want to remain living independently in their own homes. These individuals want to remain a part of the communities where they have raised children, made friends, and joined churches. They do not want to be cast aside simply because they have reached a certain age and may experience some of the physical and visual symptoms that are a natural part of getting older.

There is growing need for seniors' housing research as there are currently 34.8 million individuals aged 65 and older in the United States – and by 2025, the U.S. Census Bureau predicts that this group will grow by 80 percent. This dramatic increase means that 62 million older Americans will potentially require new homes, renovations to their existing homes, or age-appropriate assistive devices in the next quarter century. This need for home modifications, coupled with advances in home-based medical technologies, is creating a huge gap in the demand for new seniors' housing options and the ability to deliver such options. The work of the National Center for Seniors' Housing Research will help to close that gap.

Work has already begun in terms of identifying plausible solutions for addressing the country's changing demographics. One primary effort currently underway is "Aging in Place: A Smart-Aging Residential Design Competition for Students."

This student design competition was offered to college students across the country during the fall 2000 semester. This national design competition was created to challenge students to develop innovative ideas on smart-aging residential design. This is a long-term effort to get the 'aging-in-place' concept incorporated into the curriculum of college and university programs that deal with building, construction, and design. The National Center for Seniors' Housing Research hopes that this effort will prepare future generations of builders, remodelers, architects, and others involved in the residential construction industry to meet the needs of America's aging population. Many students or teams of students from a variety of academic institutions have registered their intention to participate in the competition.

Other ongoing initiatives of the National Center for Seniors' Housing Research include:

- **Building Industry Roundtables:** These interactive discussions provide a means for the program to find out where builder, manufacturer, and consumer issues on seniors' housing align. Two roundtables have been held since this program began – the first, which was held in Minnesota, addressed improving building industry supply chain issues, and the second, which was held in Maryland, was a needs assessment for a building product certification program for seniors' housing products.
- **Seniors' Housing Symposium:** This program will be held in Phoenix, AZ, April 26-27, 2001. It is co-sponsored by NAHB and will focus on the latest information and advances on building, remodeling, and designing for the aging population.
- **Contractor Standards Program:** The goal of this program is to increase industry awareness of the needs of older homeowners. The contractor qualification criteria are being developed with NAHB, local and state home builder associations, and AARP.

For more information on the National Center for Seniors' Housing Research, contact the ToolBase Hotline at (800) 898-2842 or toolbase@nahbrc.org. The NAHB Research Center also has several publications and reports available that deal with issues of accessibility and seniors' housing. To purchase these publications, call (800) 638-8556 or visit www.nahbrc.org.

Voluntary and Mandatory Access

Single and Two-Family Homes: Newly constructed and modified or remodeled single and two-family homes are generally not subject to local, State, or federal accessibility requirements. Some local jurisdictions (e.g., Atlanta, GA, and Austin, TX) however, have recently mandated that certain new homes contain basic features of accessibility. Although private homes are usually not subject to accessibility requirements contained in the model building codes and federal standards, these documents may provide technical guidance for home owners, builders, and remodelers planning a project to maximize accessibility for a resident with specific physical limitations. Homeowner Associations are affected directly by the Fair Housing Act requirements for reasonable modification and reasonable accommodation.

Multifamily: Many multifamily dwellings and their associated sites and amenities may be subject to a layering of local and State accessibility requirements in the form of a model building code, as well as federal accessibility requirements.

National and Federal Accessibility Requirements

Model Building Codes: Each model building code contains accessibility requirements for certain multifamily dwellings and townhouse projects. These codes reference the A117.1 standard for accessibility. To find out what code and edition (e.g., 1986, 1992, 1996, 1998) applies in your area, contact your local building department.

National Consensus Standard: Since 1961, the ANSI (American National Standards Institute) accredited A117.1 consensus committee has been responsible for the development and revision of the ICC/ANSI A117.1 standard—"Accessible and Usable Buildings and Facilities." The 1992 or 1998 editions of the A117.1 standard are referenced in each of the current model building codes. Earlier editions of the A117.1 standard (1980, 1986, and 1992) are referenced in many older codes and by many current State and local codes, regulations, and laws. The 1998 standard will be referenced in the 2000 edition of the International Building Code, the single code that will eventually replace the current set of three regional codes.

Federal Accessibility Requirements: On the federal level, Section 504 of the Rehabilitation Act of 1973 (504), the Fair Housing Amendments Act of 1988, and the Americans with Disabilities Act of 1990 (ADA) may apply. Federally funded residential projects are subject to 504, which requires the application of the Uniform Federal Accessibility Standards (UFAS). State or local government funded residential projects are subject to the ADA and must apply the ADA Accessibility Guidelines (ADAAG) or UFAS. Certain private and public housing projects (apartment, condominium, and some townhouses) may be subject to Fair Housing which calls for the application of the Fair Housing Accessibility Guidelines (FHAG). Some projects may be subject to 504, the ADA, and Fair Housing.

Americans with Disabilities Accessibility Guidelines (ADAAG)

The Americans with Disabilities Act Accessibility Guidelines (ADAAG) set minimum requirements for compliance with Title III of the ADA that prohibits discrimination on the basis of disability in public accommodations and commercial facilities. Topics include lodging, restaurants, and public gathering places. The illustrated ADAAG include specifications on accessible routes, ramps, doors, storage, and bathrooms.

Fair Housing Accessibility Guidelines *(effective for first building occupancy after 3/13/91)*

To comply with the accessibility requirements of the Fair Housing Act Amendments of 1988, the Guidelines provide technical guidance on the design and construction of elevated multifamily buildings consisting of four or more dwelling units, or ground floor units in other buildings of four or more units. The Guidelines address:

- Accessible building entrances on an accessible route;
- Accessible and usable public and common use areas;
- Wide doors for wheelchair passage;
- Usable kitchens and bathrooms.
- Accessible route into and through the dwelling unit;
- Light switches, electrical outlets, thermostats, and other environmental controls;
- Reinforced walls for grab bars; and
- Usable kitchens and bathrooms.

Resources and Ordering:

Model Codes: To order one of the model codes call BOCA at (708) 700-2300 (www.bocai.org), ICBO at (800) 284-4406 (www.icbo.org), or SBCCI at (205) 591-1853 (www.sbcci.org).

A117.1 Standard: Copies of this standard are available by calling the International Code Council (ICC) at (703) 931-4533. Internet: www.intlcode.org. The model code organizations provide technical assistance on the standard. The Fair Housing Act Design Manual references the 1986 ANSI A117.1 document. To get a copy of this document, currently out of print, contact Global Engineering at (800) 854-7179.

ADAAG and UFAS: For free copies of and technical assistance on the ADA Accessibility Guidelines and UFAS call the U.S. Access Board: (800) 872-2253 (Fax technical questions to (202) 272-5447, Attn: Technical Assistance). Internet: www.access-board.gov.

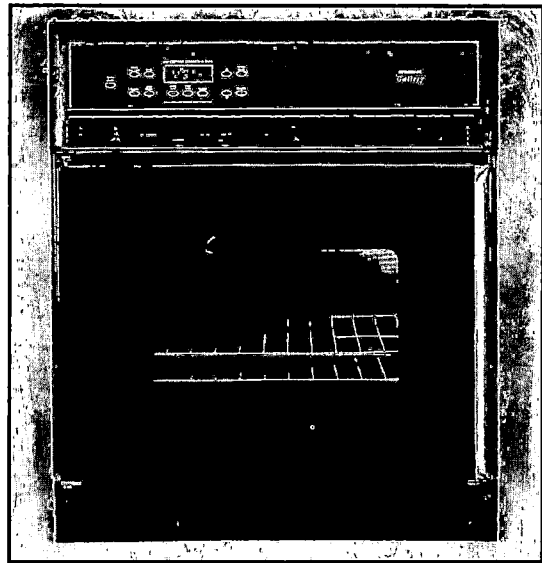
FHAG: For technical assistance on the Fair Housing Accessibility Guidelines, call HUD at (202) 708-2333. For copies of the Fair Housing Act Design Manual, call HUD at (800) 767-7468. Internet: www.hud.gov/fheo.html. NAHB members may contact the NAHB Research Center's ToolBase Hotline at (800) 898-2842 or on the web at www.nahbrc.org.

The *Directory* contains accessible building products in the following categories: kitchen and laundry; bathroom; doors, windows, and assistive hardware; adjustable storage systems; climate control; home automation; lighting control; plumbing systems; ramps; and stair lifts and elevators. The following pages address some construction and installation suggestions for two of the major categories—kitchens and bathrooms.

Accessible Kitchens

Several accessible kitchen products are illustrated in this *Directory*. The following construction and installation suggestions will help to achieve maximum accessibility value from this equipment.

- People in wheelchairs or others who must sit while working in the kitchen need to be as close to their work as anyone else. The kitchen may be designed with a shallow sink or sinks, with no base cabinet or a removable base cabinet so a wheelchair can roll to the edge of the counter.
- The dishwasher is most convenient if placed to the right or left of the sink so that it can be easily loaded from a seated position in front of the sink. Most right-handed individuals prefer to have it on the right.
- A stack of drawers on the opposite side of the sink is handy. The drawers are easiest to use by some individuals if they can be reached from the side.
- Eliminate the base cabinet beneath a built-in cooktop, or install a removable one. Next to the cooktop, place a built-in wall oven at a convenient height, usually about 30 inches above the floor.
- Hanging cabinets are generally too high for many people to reach, but lowering the cabinets reduces countertop space. A solution may be to install deep-door pantry cabinets extending from the floor to the top of the hanging cabinets. The deep doors allow easy access to items on the doors and the shelves.
- Some people are most comfortable using a lower countertop height. Cabinet companies manufacture 32-1/2-inch high base cabinets that provide a 34-inch high countertop. Variations in toe kick heights and depths are available.
- Provide an accessible area of countertop to prepare food by installing a pull-out shelf in place of a drawer, installing a drop-leaf shelf at the end of a base cabinet, or by eliminating the base cabinet under part of the countertop.
- Side-by-side refrigerator/freezers are most convenient for everyone. If bending is a problem, a refrigerator with the freezer on the bottom reduces the need to bend over. External icemakers or cold-water fountains add to convenience.



(Photo provided by Electrolux Home Products)

Accessible Bathrooms

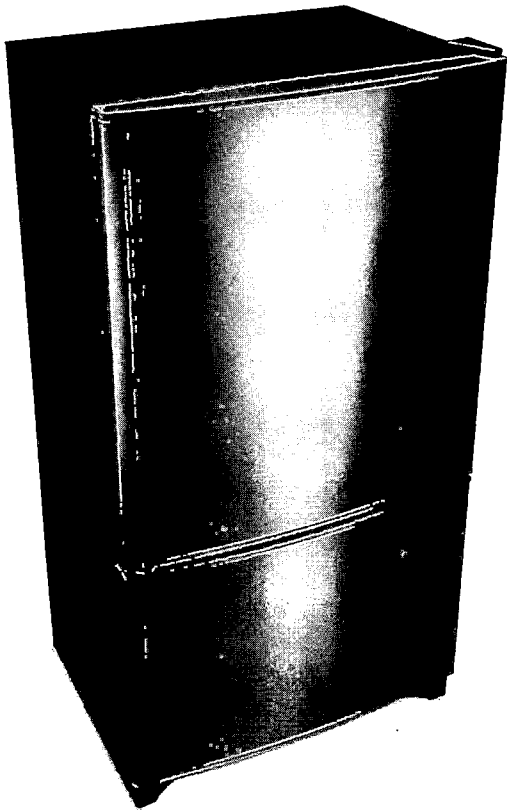
Several accessible bathroom products are illustrated in this *Directory*. The following design, construction, and installation suggestions will help to achieve maximum accessibility value from this equipment.

- Providing sufficient knee and toe space under sinks will facilitate hand washing, shaving, and other functions. Removable base cabinet fronts are an efficient option where access may be needed in the future. Ensure that the sink depth does not interfere with knee clearance.
- Wrap or insulate exposed hot water and waste piping under sinks to avoid burns due to unintended direct contact by the user.
- Install easy-to-use faucet and drain controls in a convenient location and within reach. Some faucets are available with motion sensors that allow for hands-free operation.
- Locate at least one medicine cabinet within reach of wheelchair users. Units mounted over the sinks are often difficult to reach and use.
- Consider installing a tilt mirror or one that projects above the countertop and a full length, wall-mounted mirror for wheelchair users.
- Depending on consumer choice, provide wheelchair maneuvering clearance to the leading edge or side of a toilet to facilitate the preferred and safe transfer from wheelchair to toilet. Locate grab bars (fixed or flip-down) according to consumer need.
- Provide switches, outlets, fan and heat controls, towel bars, and paper dispensers within easy reach for wheelchair users.
- Install a floor drain in the bathroom where allowed by code, to handle any unintended run-off from roll-in showers. Install a collapsible gasket at the transition from the bath floor to a roll-in shower to serve as a water dam of the shower unit.
- Install a communication intercom device, phone, or phone jack within reach for emergency use.



(Photo provided by Aqua Glass)

Amana Designs Products Like the Easy Reach Refrigerator for Universal Appeal



Research shows that consumers open the fresh food section of their refrigerator seven to ten times more than the freezer section. Amana's Easy Reach™ refrigerator is less strenuous on your back, because it requires less bending and stooping for the most frequently accessed foods.

With a depth that does not exceed 29 inches (including door handle), Amana's cabinet depth Easy Reach models do not protrude beyond the kitchen counter, so they are easy to maneuver around. The depth inside these models meets the Forward Reach Accessibility Guidelines for the Americans with Disabilities Act.

Consumers can customize storage to meet individual needs using adjustable door bins and Spillsaver™ shelves. Special features such as the pull-out freezer baskets and Slide & Serve™ Ice Access are high enough to meet with the ADA's Low Forward Reach requirements.

Amana's cabinet depth Easy Reach models meet all the 2001 energy standards for refrigerators.

No Limits

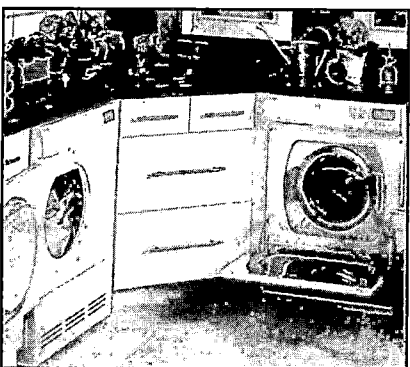
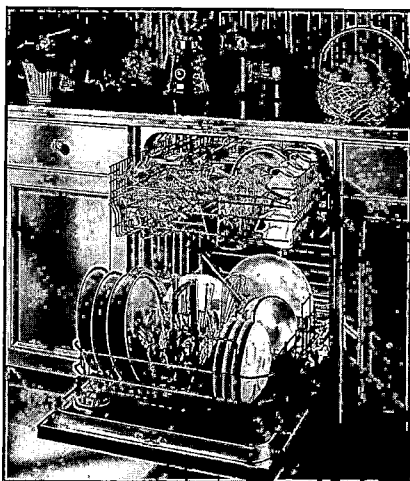
Amana Appliances' complete line of major appliances for the home can be found on the Amana web site at www.amana.com. Experience the limitless possibilities:

- Amana's 30-inch wall oven can be installed under a counter with a pivoting control panel that can be adjusted for easy viewing.
- Amana's 30-inch downdraft cooktops can be installed at varying heights.
- Amana's Easy Access™ dryer opening is one of the largest in the industry.
- Amana's Quiet Zone™ room air conditioners have easy to operate Touchmatic™ electronic controls instead of knobs.



Amana
Built better than it has to be™

Amana Appliances • 2800 220th Trail • Amana, IA 52204
 (800) 843-0304 • www.amana.com



ASKO DISHWASHERS CAN BE INSTALLED UNDER 34" COUNTERS WITHOUT MODIFICATIONS

An ASKO full-sized dishwasher can be easily adjusted so it is only 32-1/2" high. That's short enough to fit under a typical 1-1/2" thick counter top that is 34" high so it complies with ANSI standards. Controls, handle, and childproof lock are easy to reach and operate. The door is balanced so it stays open in any position, and both baskets roll completely out of the machine for easy access.

Not only does an ASKO hold more, it does more. There's no need to pre-wash dishes thanks to the Super Cleaning System. It produces sparkling results and consistently ranks as one of the best in independent tests. The unique self-cleaning filtration system virtually eliminates the need to clean filters or empty traps. The exclusive Flexi-Rack™ system provides easy loading and holds about 20% more than typical dishwashers. And to further reduce work load, the Turbo Fan™ Interval Drying System produces 100% dry dishes.

ASKOs also offer superior quietness so there's some peace and quiet in the home. In independent tests, 91% of homeowners said an ASKO dishwasher was the quietest when compared to five other leading competitors.

ASKO FRONT-LOADING WASHERS AND DRYERS PROVIDE EASY ACCESS AND NOTICEABLY CLEANER LAUNDRY

ASKO washers and dryers are front-loading, with easy-to-reach, out-front controls, filters and dispensers. ASKO's exclusive EasyControl™ System provides one-touch access to the four programs most frequently used. The washer's new, larger front open makes access even easier.

These units have smaller exteriors so they can be installed in more convenient locations, e.g., kitchens, bathrooms. Yet, they hold as much as any top-loader, up to 15 full-sized towels. They can even be stacked. Two dryers have an internal moisture condenser, so they do not require an external wall vent. This means these units can be installed wherever it's convenient.

When compared to old-style top-loaders, an ASKO pair can save as much as \$300 per year in water, electricity and detergent. Yet the ASKO's more efficient washing and rinsing system produces noticeably cleaner clothes that are virtually free of dirt and detergent residue. That's something anybody with sensitive skin really appreciates.

FULL WARRANTY AND NATIONWIDE SERVICE

A one-year full, five-year limited, and lifetime tank or drum warranty covers all ASKOs. Parts and service are available nationwide.

ASKO

ASKO

1161 Executive Drive West
Richardson, TX 75081

☎ (800) 367-2444

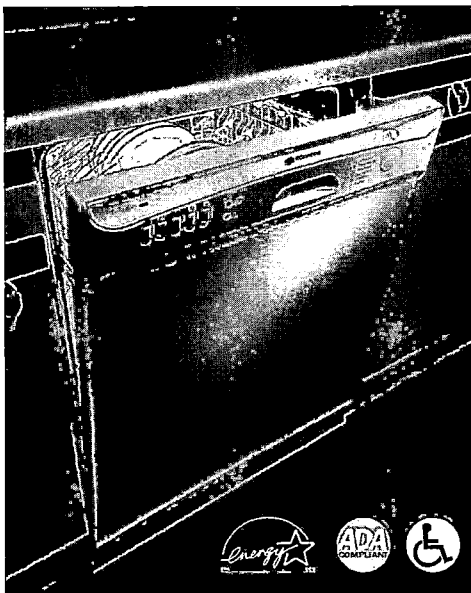
www.askousa.com

We put **ACCESSIBLE** products within reach

Ease of access, straightforward operation, ergonomic design – these principles are worked into all Equator products to create state-of-the-art appliances that are functional in **both** conventional and accessibility-required homes and offices.

PIONEER IN WASHER-DRYER TECHNOLOGY

Our flagship product, the Clothes-Processor, is a combination washer and dryer in a single compact unit. It offers unparalleled space savings and meets the Energy Star guidelines for energy efficiency. The Clothes-Processor also features the latest ventless drying technology. The appliance uses an internal condenser to remove the heat from the dryer exhaust eliminating the need for an external dryer vent. This means the Clothes-Processor can be installed almost anywhere. It is also front-loading and has controls located on the front panel for easy access and operation. *The front panel is also available in braille for the visually impaired.*

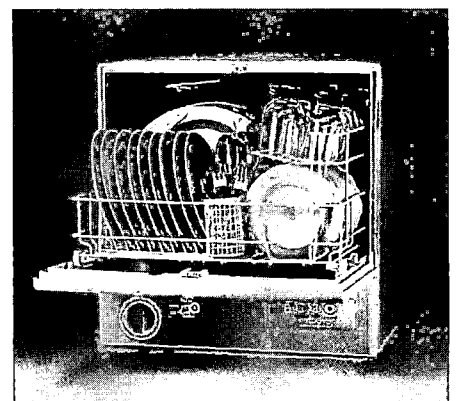


ADA APPROVED FULL-SIZE DISHWASHERS

The 55 Series of full-size dishwashers are available in built-in or integrated models. Their adjustable legs, when set to their lowest setting (32 1/4"), make these the shortest full-size dishwashers available in the United States. **This also makes the dishwashers compliant with the Americans with Disabilities Act which requires accessible products to fit under a 34" counter top.** The 55 Series dishwasher been awarded the K/BIS '99 Best of Show award. Models are available in black, white and stainless steel, either built-in or integrated.

THE ULTIMATE IN ACCESSIBILITY

The counter top dishwasher, nicknamed the Mini-Maid, is perfect for accessible homes, senior's housing or other unique applications.



As an Energy Star® Partner, Equator has determined that the EZ 3600 CEE, and the 55 Series of full-size dishwashers meet the Energy Star® guidelines for energy efficiency.

In the world of innovative appliances, you'll find that Equator is at the center of it all.

Quality Innovative Appliances



Equator Corporation • Equator Plaza • 10067 Timber Oak Drive • Houston, Texas 77080-7045
800-935-1955 • www.equatorappliances.com • mail@equatorappliances.com

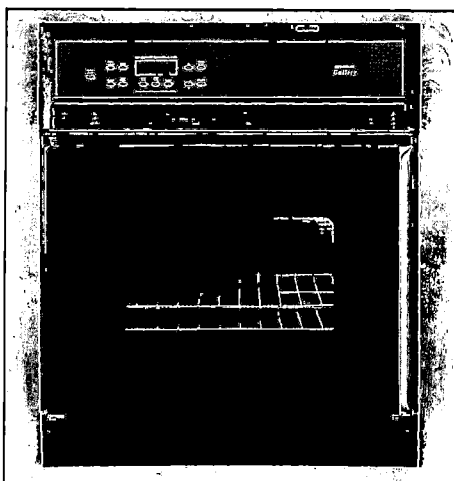


FWT647GH and FSE748GF

FRIGIDAIRE HOUSEHOLD APPLIANCES

Tumble-Action (Front Load) Washer Pair

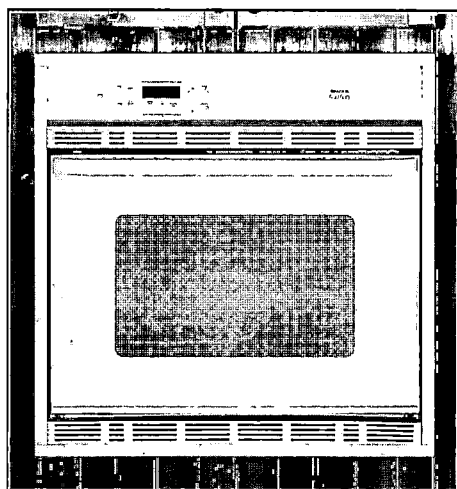
This extra large capacity washer and dryer pair can be installed under the counter or freestanding for easy access from a wheelchair. Both the washer and the dryer have up-front controls and load from the front to enable the user to reach clothes easily. The washer features an automatic detergent, bleach and fabric softener dispenser that is located next to the controls. The washer provides multiple rinses, an automatic door lock and adjusts the water level to the size and type of load automatically. The dryer has a reversible door with a large opening for easy loading and unloading. The door lint filter is located up-front, where it is easy to reach and clean.



FEB786CES/B

27" Side-Swing Door Wall Oven

This Frigidaire side-swing door wall oven makes cooking and baking easier than ever for people with physical limitations. The door does not create an obstacle when reaching into the oven—and the door is reversible for installation flexibility. The oven can be installed at the perfect height for each particular customer. This model offers electronic controls with EvenCook™ convection oven, and is self-cleaning.



FEB386CES

30" Electric Wall Oven

All Frigidaire Wall Ovens can be installed at varying heights (including under-counter) to fit the needs of the customer. This makes it convenient to use the oven controls and retrieve or insert food items into the oven cavity from either a standing or a seated position. This particular 30" model offers EvenCook™ convection cooking and the convenience of a self-cleaning oven. The electronic touchpad time and temperature control with a finger tip control to select from six broil temperatures makes this model extremely easy to use.

Electrolux Home Products

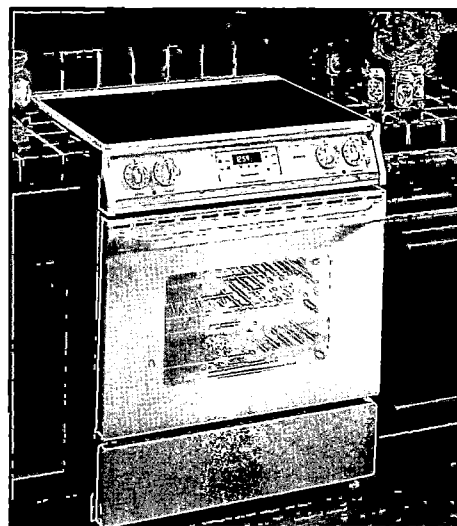
250 Bobby Jones Expressway
Martinez, GA 30907
☎ (800) 685-6005

Frigidaire

FRIGIDAIRE HOUSEHOLD APPLIANCES

30" Slide-In Range

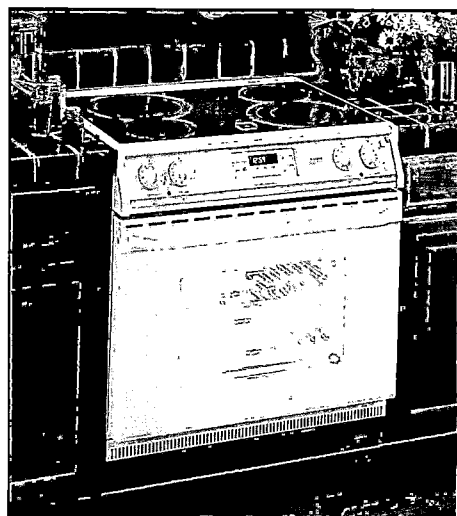
Frigidaire puts every control right at your fingertips with this convenient to use Slide-In Range. This model features an EvenCook™ convection, self-cleaning oven and a Ceramic Smoothtop cooking surface so clean-up is easy. Radiant elements, two of which are expandable, provide for quick response and flexible cooking. Slide-In models feature a removable push-to-open storage drawer which keeps often-used pots and pans where they are easy to get to. Available with EvenCook™ convection oven or coil elements on the top.



FES387CHS

30" Drop-In Range

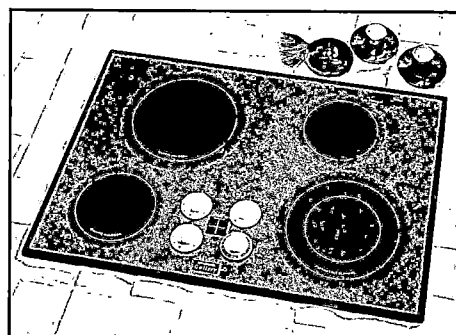
Frigidaire makes cooking and cleaning easier than ever before. This self-cleaning drop-in range can be installed at the most comfortable and convenient height to fit the needs of the customer. All controls and the clock are located up-front to safely provide complete control over the entire cooking process. Some models offer an EvenCook™ Convection Oven which allows for gentle, even cooking and reduces cooking time up to 30%. This model offers a Ceramic Smoothtop surface with radiant elements and two 6" to 9" expandable elements.



FED387CHS

30" Smoothtop Cooktop

This Frigidaire cooktop features a ceramic smoothtop with granite design and color-coordinated frame. Customers will find it easy to slide pots and pans from burner to burner on this completely smooth surface. All controls are conveniently located up-front to protect arms from the heat of the elements. The smooth surface cleans up easily and the up-front expandable 6" and 9" halogen element provides flexibility in cooking.



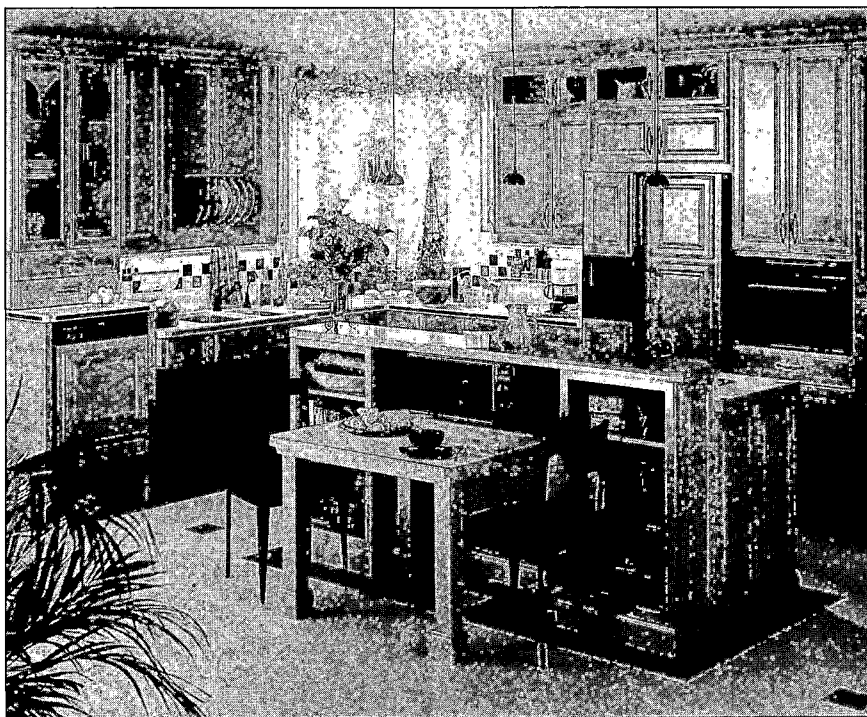
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The Electrolux Group. The world's No.1 choice.

KITCHEN, CLEANING AND OUTDOOR APPLIANCES COMBINED

GE Real Life Design



Good kitchen design isn't just about looks. It's about creating spaces that make life a little bit easier for everyone. GE believes that the kitchen can be made more flexible, adaptable, and accessible, while personalizing it for its users. This means choosing the right appliances, and incorporating them into a truly thoughtful plan. The appliances, plumbing, cabinets, countertops, flooring, and lighting should form a complete, cohesive design that is sensitive to kitchen users.

Some call this approach Universal Design. GE calls it Real Life Design, because it is just that—real life for real people. It makes sense for everyday life. It takes into account that people don't fit stereotyped norms, acknowledging a wide range of physical and mental abilities. Real Life Design demands that design adapts to people, not the other way around.

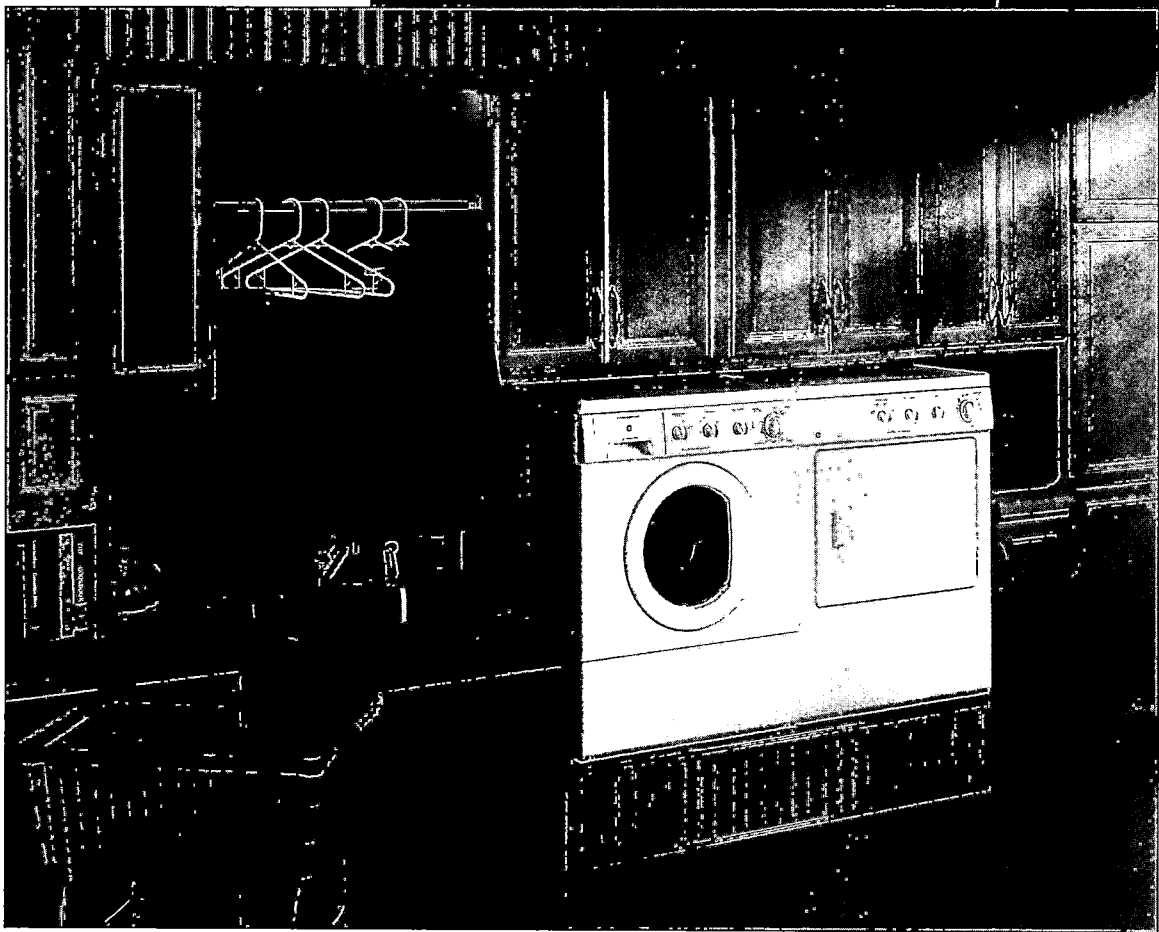
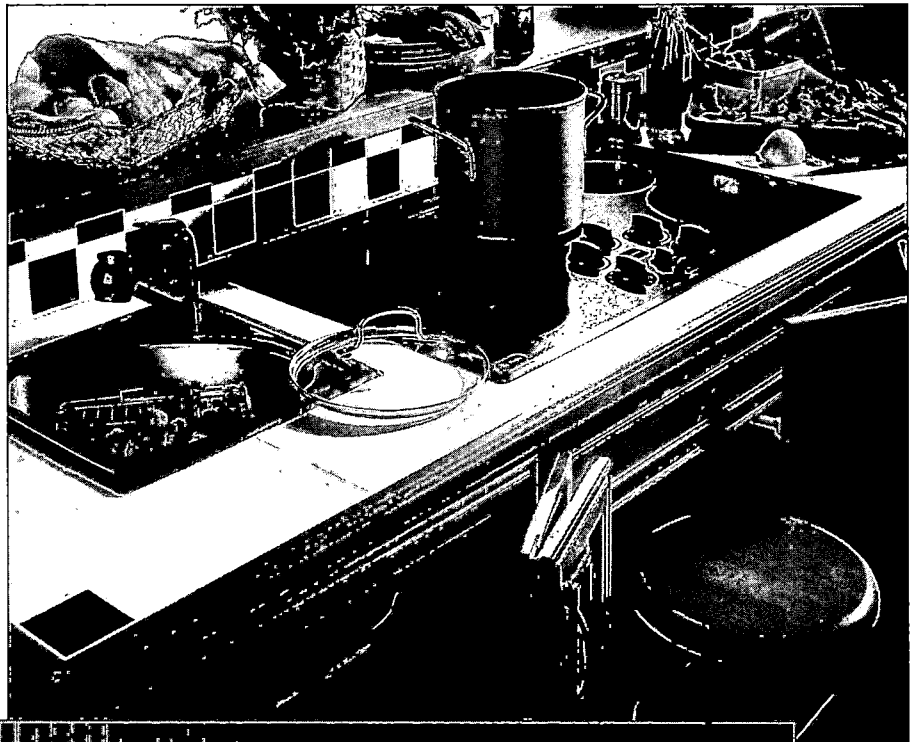


General Electric Company
Louisville, Kentucky 40225
www.geappliances.com



GE Appliances

GE Appliances is incorporating Real Life Design principles into its products. We encourage you to think about how you can include Real Life Design ideas in your kitchens. Want more information? Call the GE Answer Center 800-626-2000. Ask for the "GE Real Life Design" brochure, GE Publication 24-C264.



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Louisville, Kentucky 40225
www.geappliances.com

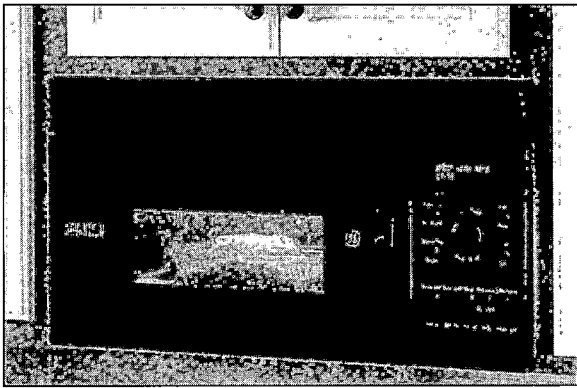


GE Appliances

GE Profile™ and Profile Performance™ Appliances

The Advantium™ Oven.

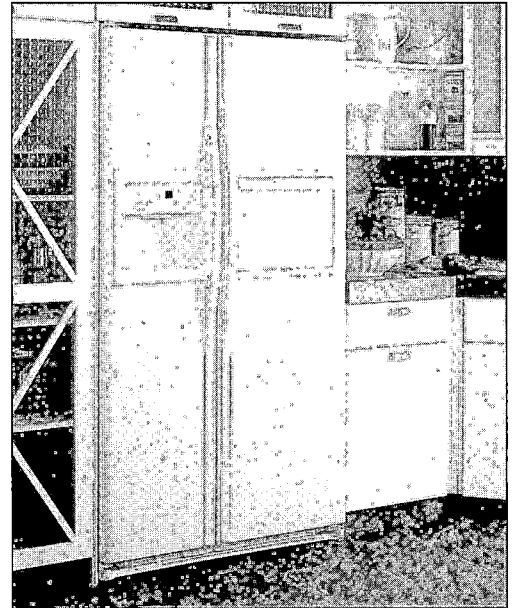
Configured for every home and lifestyle. The Advantium oven with Speedcook technology installs in the above-the-cooktop wall space and requires 240 voltage. It can be installed over a kitchen counter or range. For added convenience, it converts to a fully featured 950-watt sensor microwave oven. Available in Summer 2000, GE will offer the Advantium wall oven for added flexibility. Easily install the Advantium wall oven in a 30" cabinet by itself or over a single conventional wall oven or warming drawer.



CustomStyle™ Refrigerators

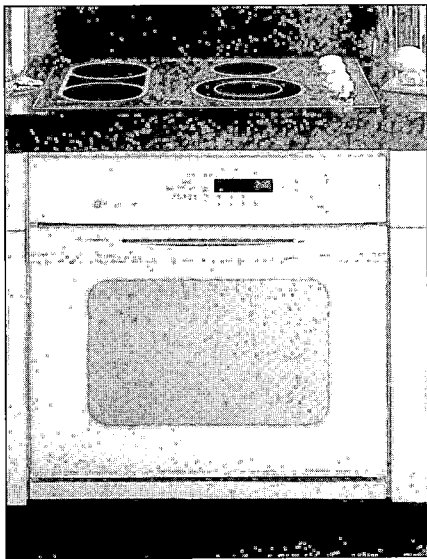
An excellent example of GE Real Life Design, CustomStyle refrigerators give the kitchen a contemporary, built-in appearance without the expense of a true built-in. Nearly flush with cabinet depth, the refrigerator saves up to six inches of floor space, improving traffic flow through the kitchen.

Items in the back of the refrigerator are within arm's reach, and can be easily seen because these refrigerators offer extra interior lighting, clear shelves, and see-through bins. Ice and water are accessible from outside of the door through the LightTouch! Dispenser, and Profile Performance™ models feature exclusive Water by Culligan. Roomy door bins keep frequently-used items within easy reach, and the wide door swing, at 150 degrees, makes access simple for people using mobility aids.



Wall Ovens

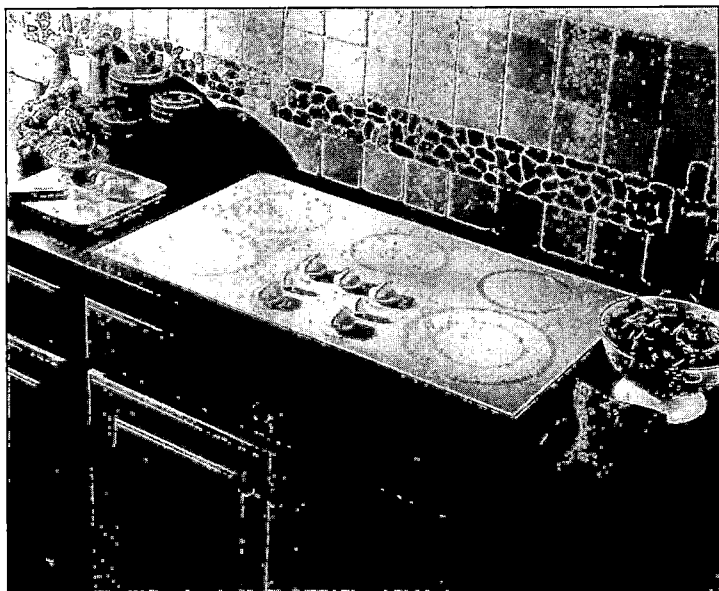
These ovens are versatile enough to be installed at various heights for optimum access. SmartSet controls provide relevant, functional benefits that are simple to understand and use, featuring touchpad controls, easy-to-read time and temperature display and an audible preheat signal. The oven itself has a generous interior, and the Profile Performance™ Series offers professional touches like the Gourmet Shelf and bread proofing feature. TrueTemp™ technology ensures accurate oven temperatures for consistent cooking results.



General Electric Company
Louisville, Kentucky 40225
www.geappliances.com



GE Appliances

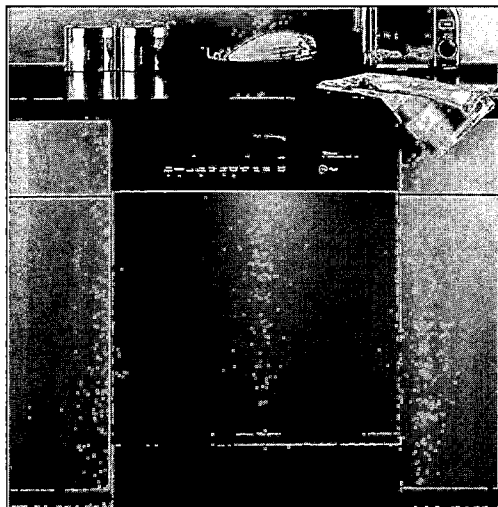
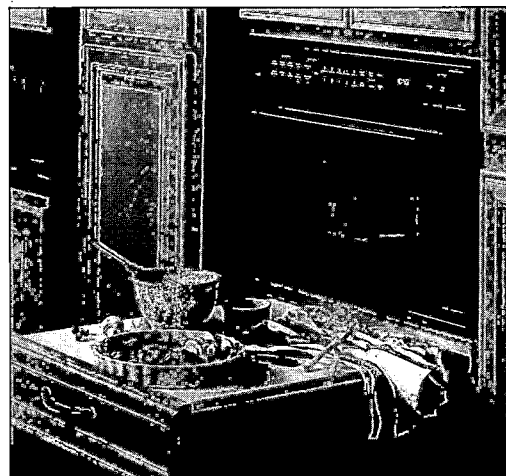


CleanDesign Cooktops that cater to your taste

The GE Profile Performance™ 36" CleanDesign cooktop has five ribbon elements of varying sizes, plus a bridge burner that connects two 7" elements to create an elongated cooking area. The elegance of the frameless design is accentuated by the flush-mount installation, which places cooktop and countertop at the same level. GE offers a broad selection of built-in electric cooktops: 30" and 36" glass-ceramic models, as well as 30" and 36" induction, and electric coil cooktops. No matter which you choose, you'll appreciate the convenience, cleanability, and cooking performance brought to you by GE.

Built-In Microwave and Convection/Microwave Ovens

These ovens feature a door that drops down within a few inches of table level to provide a smooth transfer of dishes into or out of the oven. Sensor cooking also simplifies the cooking process, with microwave and convection combination controls that multiply the options. Easy-to-use touchpad controls are also featured, and convection mode offers full baking advantage in a compact unit.



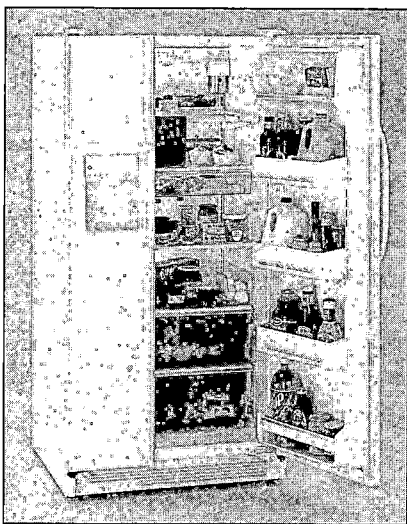
GE Triton™ Dishwashers!

Now, you don't have to choose between clean and quiet, because the GE Triton™ Dishwasher delivers both! Thanks to GE's advanced technology and TriClean™ design, you get more than clean, you get a quiet kind of clean. By redirecting the spray jets, more water hits the dishes and less hits the tub and door, keeping more of the noise inside the dishwasher. Combined with the ActiveVent™, PermaTuf® Tub and a blanket of insulation, this dishwasher is quieter than ever — so quiet, you will be talking about it, not over it.

General Electric Company
Louisville, Kentucky 40225
www.geappliances.com



GE Appliances

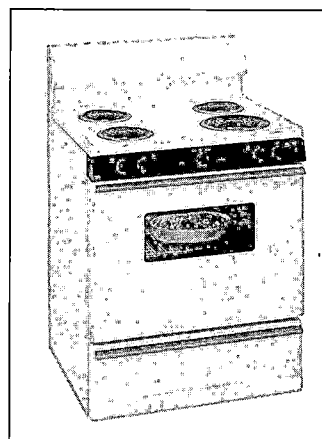


Side-by-Side Refrigerators

GE Side-by-Side refrigerators offer convenient access to both the refrigerator and freezer compartments, as well as the door bins, making it easy for people, whatever their physical abilities, to go about everyday tasks. Many models feature the LightTouch! dispenser, which delivers chilled water and cubed or crushed ice through the door, and can be used and appreciated by everyone. A wide variety of shelf options, fruit/vegetable bin styles and ice service choices assure a product that will fit the needs of any household.

30" Free-Standing Ranges

Up-front controls provide ease of cooking and models like the JBSO5 (shown) come with a large standard clean oven and a storage drawer.



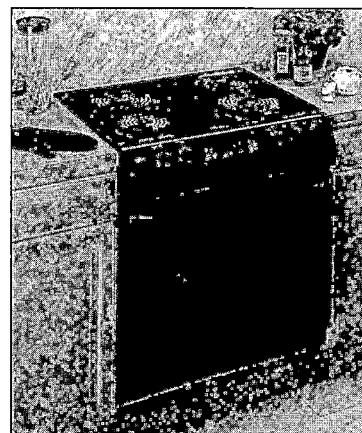
30" Slide-In Range

These ranges utilize a slide-in design that provides a built-in look, with simple installation. Front controls provide quick access and a designer-style reach-through door handle provides a strong, durable and convenient grip. Other Real Life Designs include SmartSet Controls with convenient touchpad operation. Simply set the controls and the self-cleaning oven automatically cleans itself. An automatic oven door lock prevents the user from opening the door until the temperature drops to a safe level.



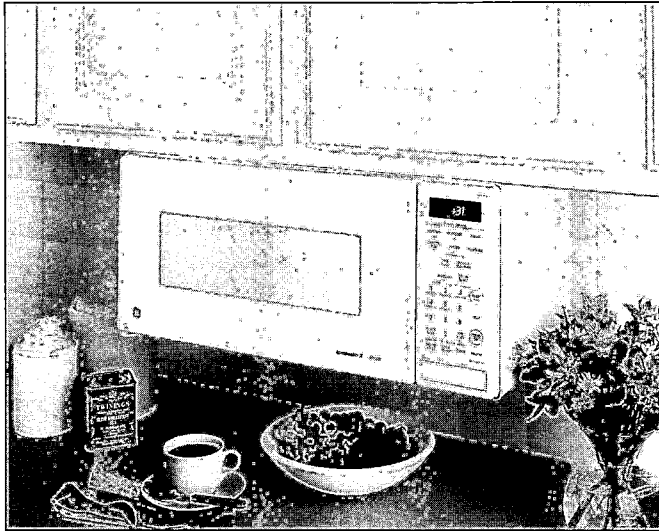
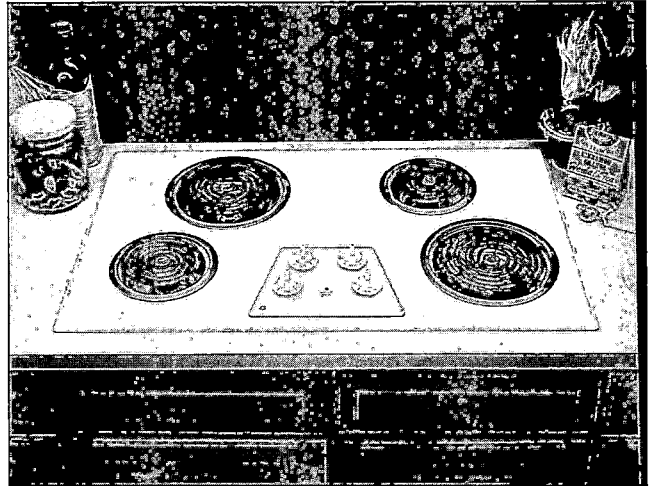
30" Drop-In Range

Drop-in ranges offer countertop height flexibility combined with the accessibility of all up-front controls. SmartSet Controls with a digital clock and minute timer feature smooth, easy-to-use touchpads; the automatic oven shut-off prevents unwanted oven operation. All oven doors have windows, and self-cleaning models include an automatic door lock to prevent the user from opening the door until the temperature drops to a safe level. Standard clean models are also available.



36" Cooktops

Controls are placed at the front of these models with a staggered burner layout allowing better accessibility and use. Plug-in Calrod® elements and lift-up cooktops provide easy cleanability.



Spacemaker II™ Microwave Ovens

GE Spacemaker II™ Microwave Ovens are countertop microwave ovens that can be installed under kitchen cabinets or can be built into the wall, creating additional space on the counter. Available with sensor cooking controls or convenience cooking controls, these models offer a wide variety of features and 800 watts of cooking power in a .9 cubic foot oven. When mounted under kitchen cabinets, you can conveniently

store canisters, recipe files or spice racks underneath or use the counter space for a handy work surface close to the oven.

GE Laundry

The GE Horizontal Axis Laundry Pair offers more than just clean clothes. They offer efficiency, using 40% less water than a standard washer. They provide installation flexibility — place them side by side or stack them! This washer and dryer can be installed under a 36" countertop for additional working space in the clothing care area. Quiet operation allows this pair to be placed anywhere in the home.



General Electric Company
Louisville, Kentucky 40225
www.geappliances.com

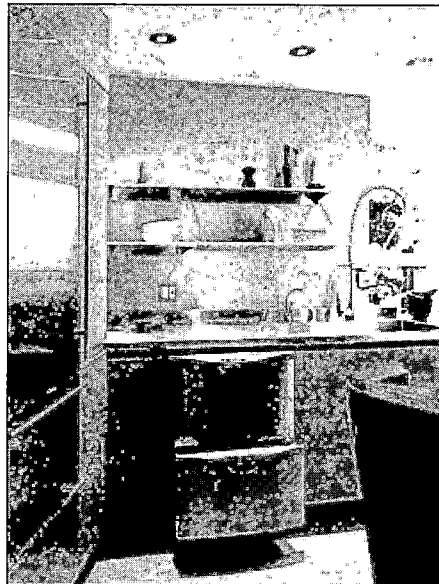
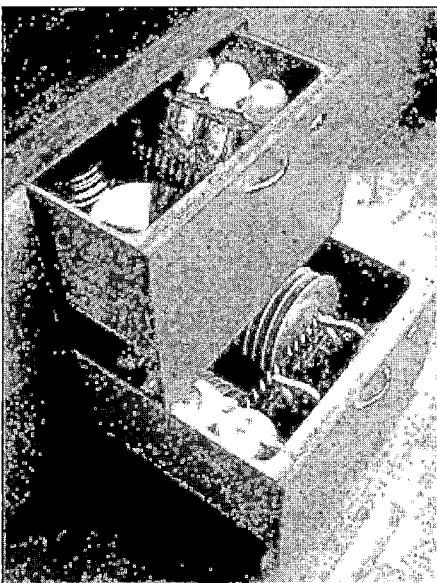


GE Appliances

Fisher & Paykel DishDrawer

The Double DishDrawer, by Fisher & Paykel, offers the convenience of not having to bend over to load and unload the dishes. Each drawer easily slides out like the rest of the drawers in the kitchen. The racks are easily adjusted to accommodate loads of all shapes and sizes. A small display screen on the front of each drawer tells the user the length of each cycle, if there is a problem and what it is.

Operating as two independent dishwashers, the DishDrawer offers the convenience of being able to wash pots and pans in one drawer on the heavy duty cycle and fine china in the other drawer on the delicate cycle. Or use one drawer for storage and the other drawer for washing and then simply rotate the dishes from one drawer to the other so that the dishwasher never has to be unloaded again.

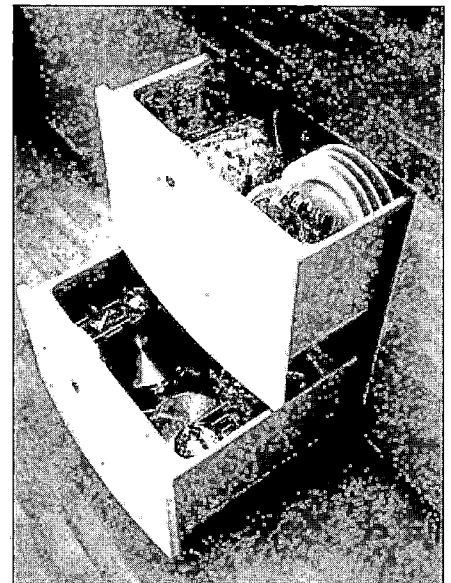


As an energy star product, the DishDrawer saves money in energy costs, without jeopardizing the wash performance. Precise water temperatures, eight wash cycles to choose from, separate drawers for separate loads and the world's first flow through dish soap dispenser ensure that your dishes come out sparkling clean.

Now don't you deserve to treat yourself to a Fisher & Paykel DishDrawer?

Further reduce bending over, by installing two single DishDrawers side by side, or on opposite sides of the sink. The single DishDrawer also works well in a bonus room, wet bar or outside barbecue area.

With each drawer holding seven place settings, the double DishDrawer offers 40% more capacity. Run less loads with this super capacity, or only run half a load by using just one drawer. That is the flexibility the DishDrawer offers.



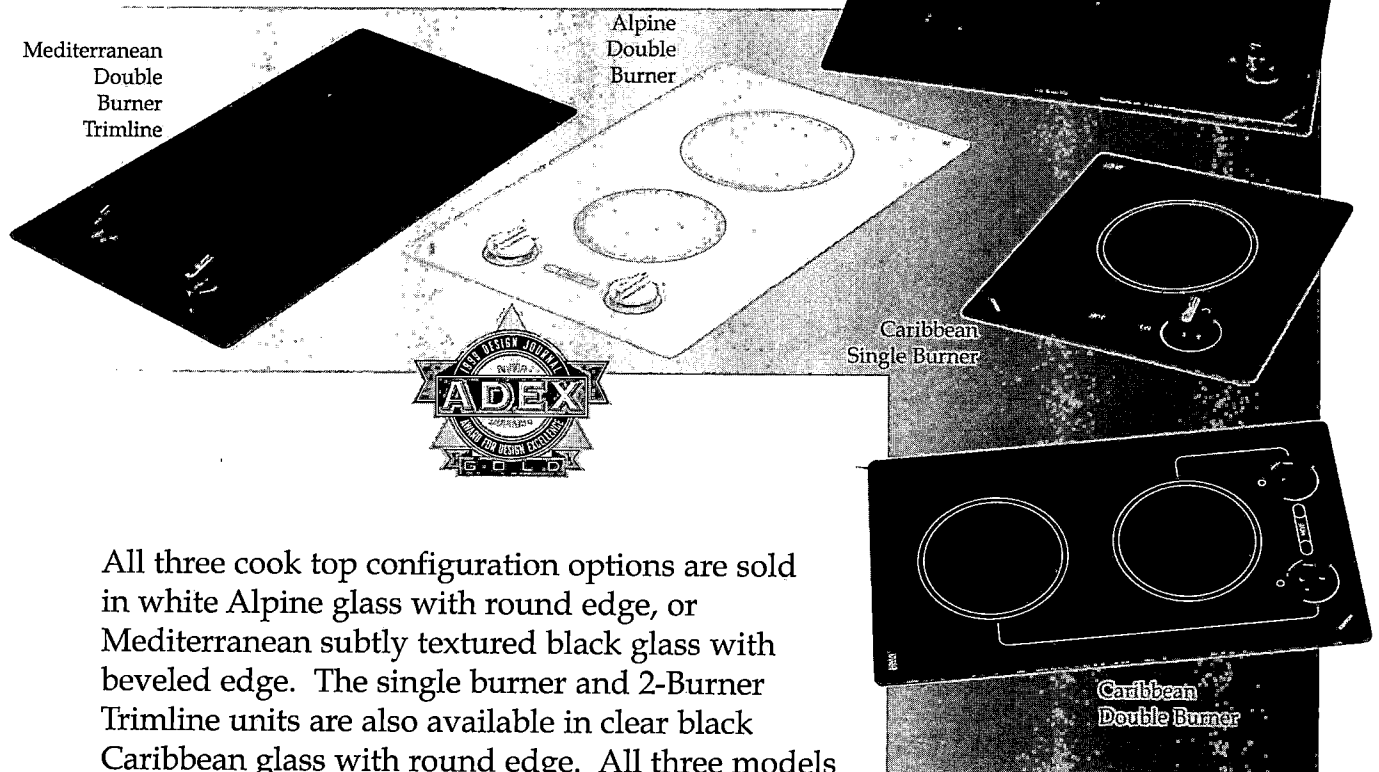
Fisher & Paykel
THE INNOVATORS

27 Hubble
Irvine, CA 92618
(800) 863-5394
www.fisherpaykel.com

KENYON CUSTOM APPLIANCES

ceramic electric cook tops

Designed with special needs in mind, the Kenyon Custom ceramic electric cook tops feature large, easily accessible push-to-turn controls that are mounted at the front edge of the cook top. All cook tops feature a HOT indicator light and ON indicator light for user safety. Three cook top configuration options are available: a 1-Burner with 6- inch (1200 Watt) radiant ribbon element, a 2-Burner Trimline with 2- 6 inch (1200 Watt) elements, and a 2-Burner with a 6- inch (1200 Watt) and an 8- inch (1800 Watt) element.

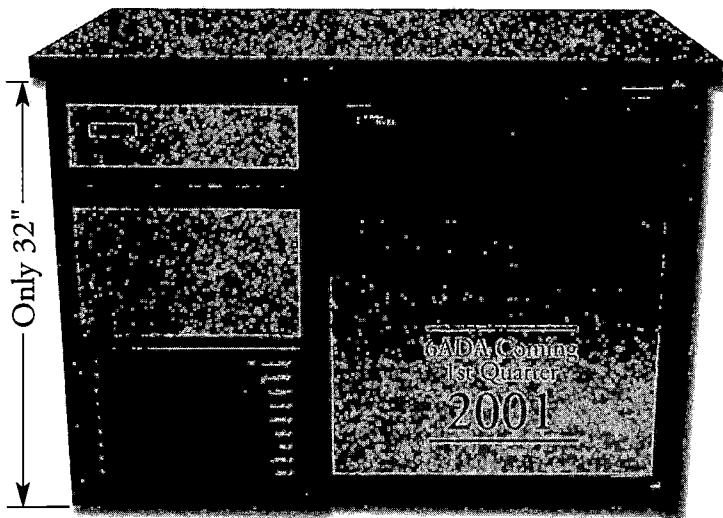


All three cook top configuration options are sold in white Alpine glass with round edge, or Mediterranean subtly textured black glass with beveled edge. The single burner and 2-Burner Trimline units are also available in clear black Caribbean glass with round edge. All three models can be flush mounted into the countertop for ease of use and clean-up. Installation depth is only 2 and 5/8 inches and a clearance underneath the cook top of 2 inches is recommended. Additionally, all models are sold as either 120 or 240 Volts AC and are UL/CUL approved. Kenyon cook tops are manufactured with pride in the USA and are backed by Kenyon's exclusive three-year replacement warranty.

KENYON®
Custom

Kenyon International, Inc., P.O. Box 925, Clinton, CT 06413 • Tel: 860.664.4906 • Fax: 860.664.4907
www.kenyonappliances.com

ADA Height Refrigeration Marvel Refrigerator and Clear Ice Maker

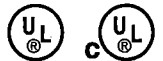


Undercounter Models 3IMA Clear Ice Maker (left)
and 6ADA Refrigerator (right)

Marvel's new accessible refrigeration includes Model 6ADA refrigerator and Model 3IMA clear ice maker. Both models install easily into undercounter openings of only 32" high, making them ideal for installations that must comply with the Americans with Disabilities Act (ADA) or for areas with limited space.

Title III of the ADA requires that all new construction of, or modification to, public and commercial facilities be accessible to individuals with disabilities.

Refrigerator Model 6ADA



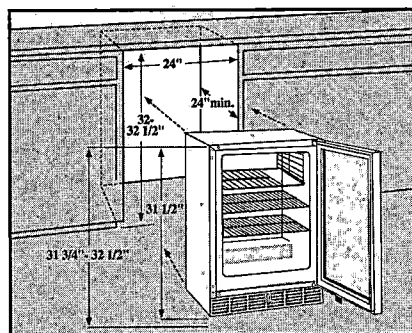
- auto defrost
- two easy-to-pull wire shelves with safety stops
- one top wire shelf with 6 1/2" flip-up section to store tall containers
- automatic interior light
- door that accepts 1/4" custom panel or stainless panel
- optional door lock available
- ample 5.4 cu.ft. capacity with the industry's largest 461 BTU compressor
- durable powder coat paint on textured steel
- colors: black, white

Clear Ice Maker Model 3IMA

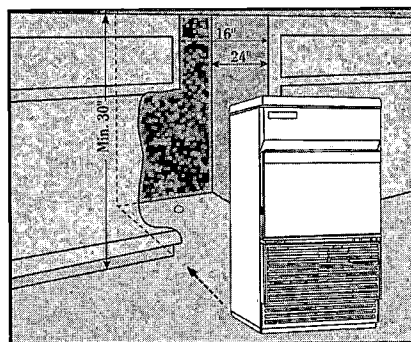


- auto defrost
- up to 55 pounds of cube ice production in 24-hour period
- 26 pound storage bin
- drop-down door for easy access to ice
- removable/cleanable front slide-out air filter
- service friendly, with easily removed panels and accessible components
- color: durable black plastic exterior trimmed with 2 stainless steel panels

*Cut-out dimensions
for Model 6ADA*



*Cut-out dimensions
for Model 3IMA*



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Whirlpool Home Appliances

Whirlpool Home Appliances has done extensive research to find out what families need and want for their kitchens and laundry rooms. In addition to being pretty places to cook dinner and do the laundry, these rooms must provide a timesaving and functional environment to simplify day-to-day household chores and help families avoid accidents.

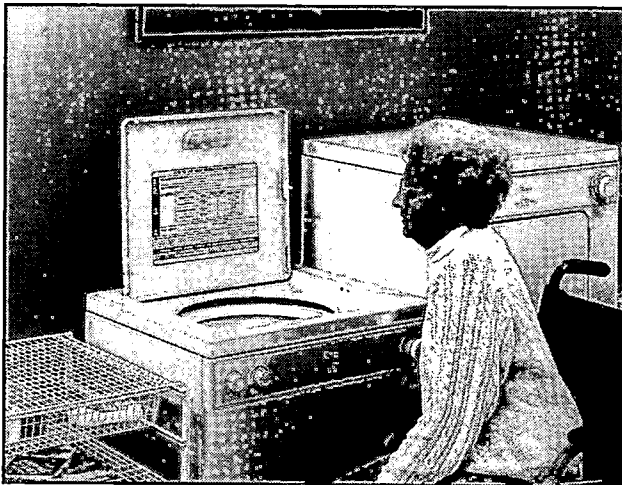


Dishwashers

People often think they have to buy special appliances. But special appliances can cost thousands of dollars and their modifications can make them impractical for use by other family members. To save money, look for helpful features and install appliances at heights that are practical for the whole family. The Whirlpool dishwasher in this kitchen has been raised 16-1/2" to accommodate many different physical limitations.

Double Ovens

The goal of universal design is to make a room as accessible as possible for as wide a range of users as possible. Here the Whirlpool double oven has been installed at a convenient height for use by a wheelchair-bound cook and an area under the microwave left open for wheelchair access.



Washers and Dryers

Position washer and dryer for your height. Whirlpool compact washers and dryers can be staggered to make loading easier for people under five foot and people using wheelchairs. Under the lid instructions provide instructions for every type of load. Dryers with side swing doors provide plenty of room for reaching inside the dryer while seated or standing.

Whirlpool Home Appliances

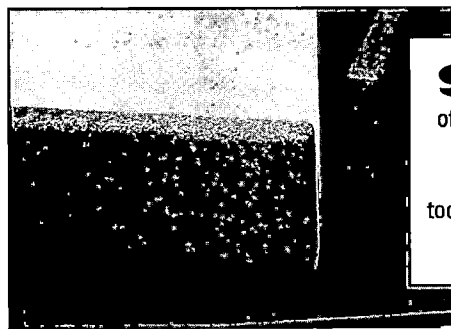
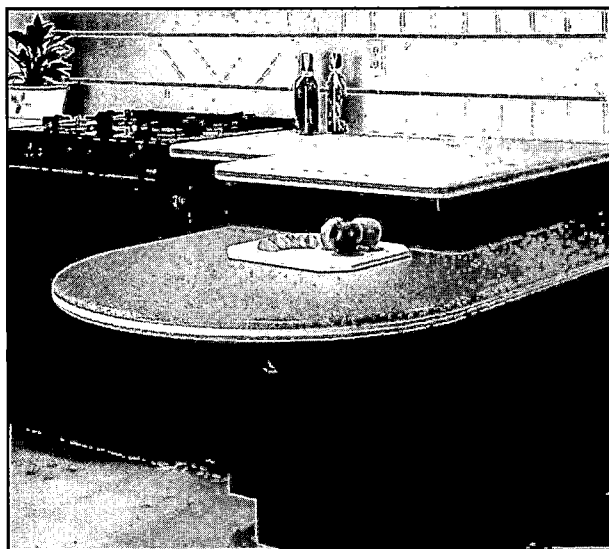
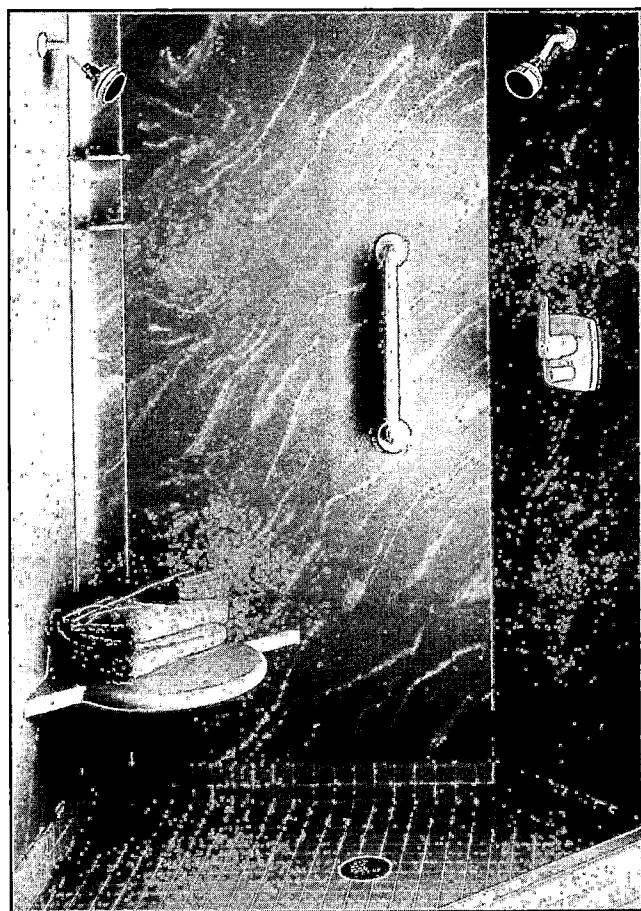
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This solid surface material, available in 1/4", 1/2" and 3/4" thicknesses, gives you beauty and workability to create comfortable living spaces. Some of the possibilities with Corian® are:

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- Color-contrasting inlays and built-up edge treatments for bathrooms and kitchens, helping the visually impaired.
- Moulding and chair rail as "way-finding," creating accessibility throughout the home.

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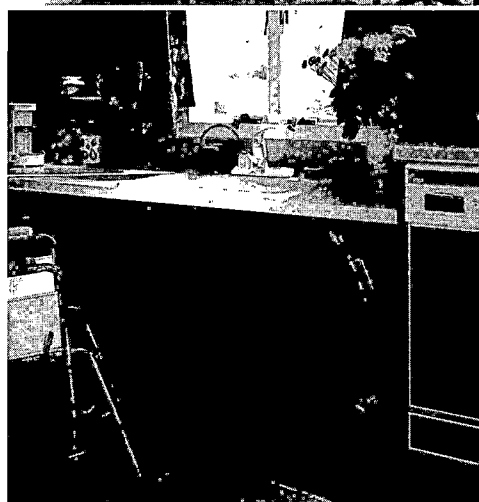
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Wellborn's comprehensive line of Accessible Cabinetry is directed at aiding independent living for people with special needs. These special base cabinets are 32½" high and have an 8½" x 6" toe kick, allowing for wheelchair access. This uniquely designed line of cabinetry offers full access to the countertops, the convenience of a pull out table and easy reach storage options. By combining any of the user-friendly base cabinets, independent living becomes a reality.

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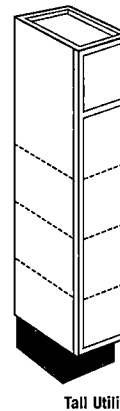
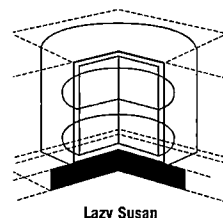
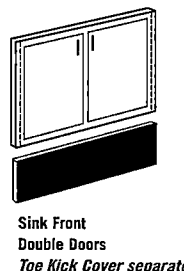
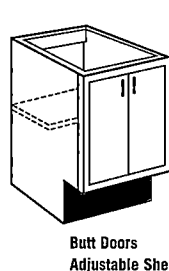
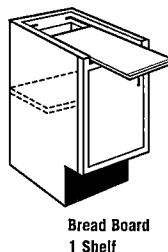
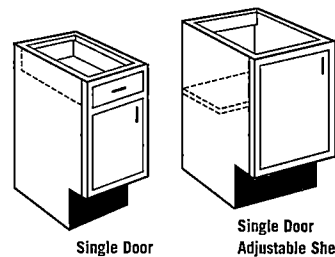
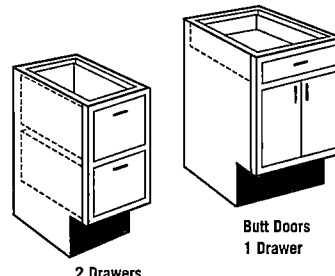
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All accessible cabinetry is manufactured with 6" deep and 9" high toe kick space to accommodate wheelchair footrests.

We've expanded our Accessible Cabinetry offering to better provide for the physically challenged.

17 door style and finish combinations are available in 8 popular stains, laminates and RTF foil. Most doors do not require hardware.



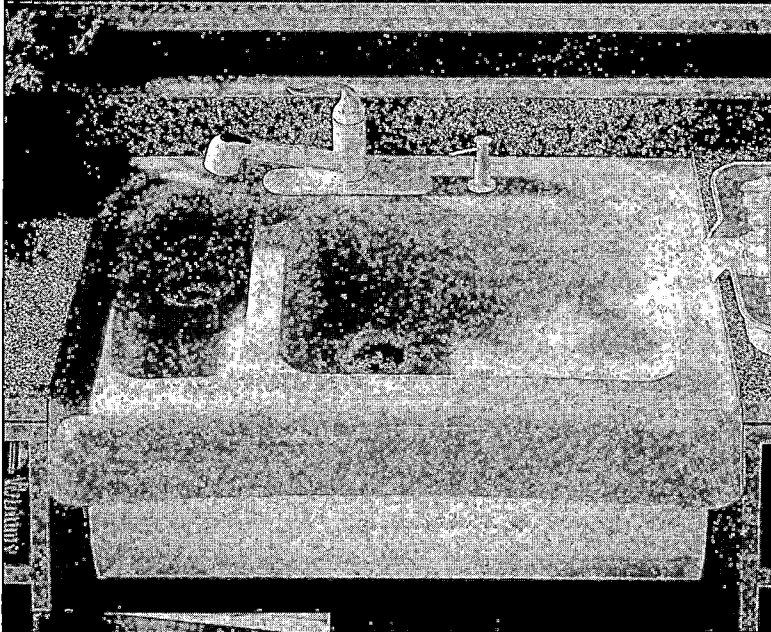
Accessible Cabinets

**Affordable • Consistent Quality
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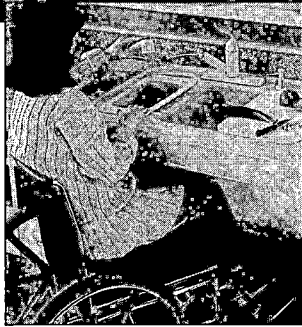
Please contact us for more product information.
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KOHLER® Assure™ brings function and style to the kitchen.



In designing the Assure kitchen sink, factors considered were individual's specific limitations of reach, upper body mobility and gripping strength, space requirements for wheelchairs, walkers or crutches, and accessibility from a seated position. The result is an accessible, highly functional sink that adds attractive style to the kitchen.



Assure Barrier-Free kitchen sink 36" x 25 1/2" (K-6536-4) with Corals™ faucet (K-15170).

- Durable cast iron construction
- High/low basin design makes sink tasks easy whether seated or standing
- Tile-in or undercounter installation
- Complies with ADA when installed per the requirements of the Accessibility Guidelines, Section 4.24 Bathtubs, of the Act.
- Wide front ledge allows users to grasp and pull themselves to the sink and provides an arm rest while working
- Optional shroud protects a seated user's knees and legs from hot pipes.
- Optional accessories include polyethylene cutting board, colander and drainboard
- Requires a 36-inch cabinet opening framed for undercounter or tile-in sink installation.
- Offered in a wide variety of KOHLER colors. Accessories in White only.



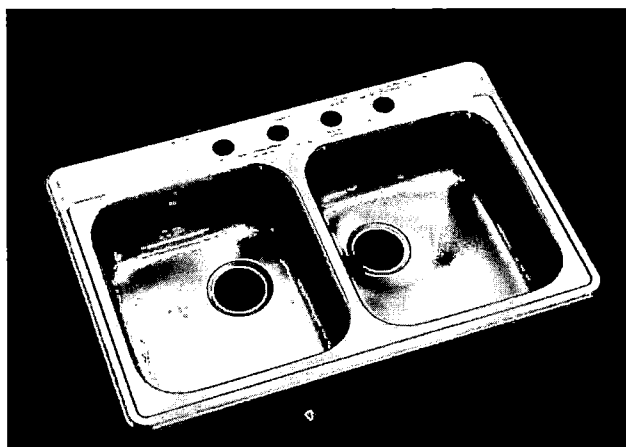
KOHLER Limited Lifetime Cast Iron Warranty - product will be free of defects in material and workmanship as long as original consumer purchaser owns his/her home.

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OF **KOHLER®**

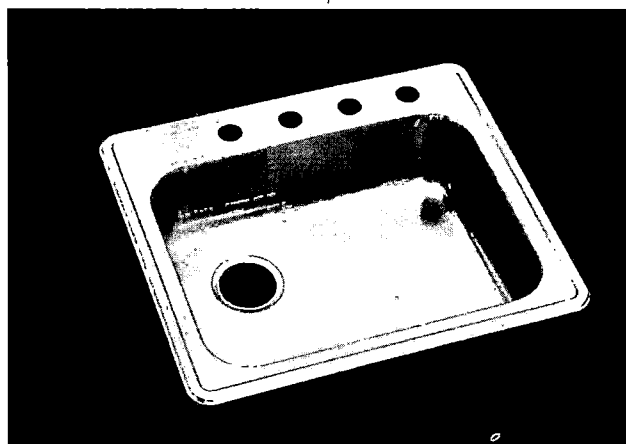
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STERLING PLUMBING'S STAINLESS STEEL KITCHEN SINKS

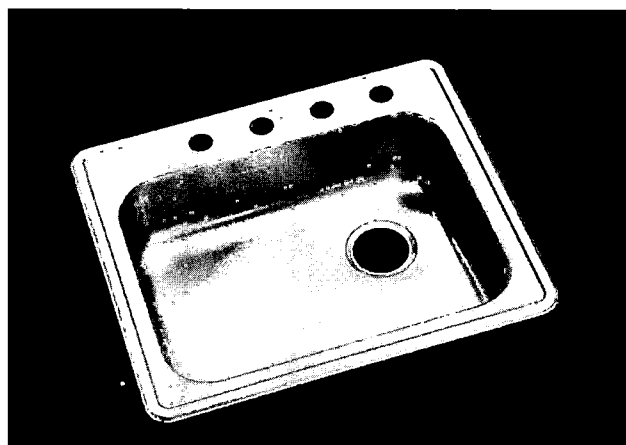
Sterling manufactures three stainless steel kitchen sinks that meet ADA requirements and are universally accessible for all to use. The single and double bowl sinks feature a satin finish with a 3-5/8 inch drain hole. Both sink options have a sink depth of 6-1/2 inches. The 25 x 22 inch single bowl, Model 2522HR or 2522HL, features a bowl dimension of 21 x 16 inches and the drain hole option can be ordered for the right or left side of the sink. Model 3322H is available as a double bowl sink 33 x 22 inches with a bowl size of 14 x 15-3/4 inches. In addition to a complete line of stainless steel sinks, Sterling manufactures and markets faucets, composite kitchen sinks, solid VIKRELL™ and vitreous china bathing fixtures, and tub/shower doors.



MODEL #3322H



MODEL #2522HL



MODEL #2522HR



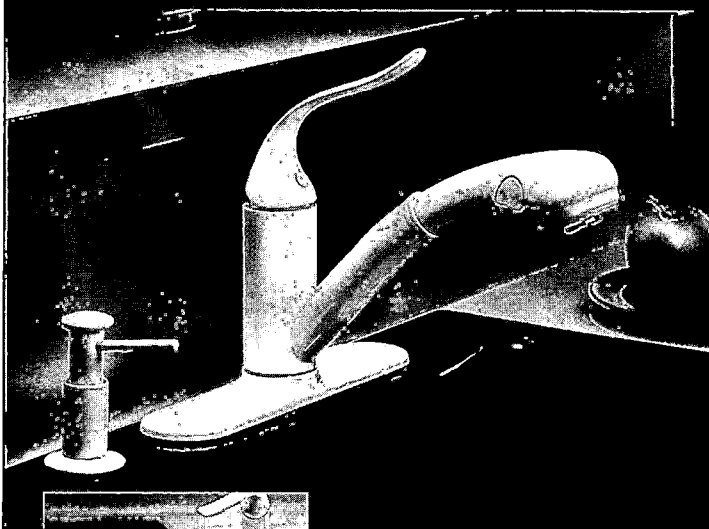
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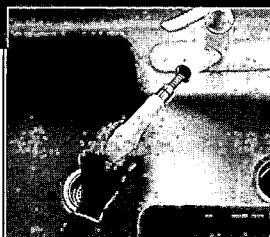
www.sterlingplumbing.com

KOHLER® kitchen faucets offer performance and style.

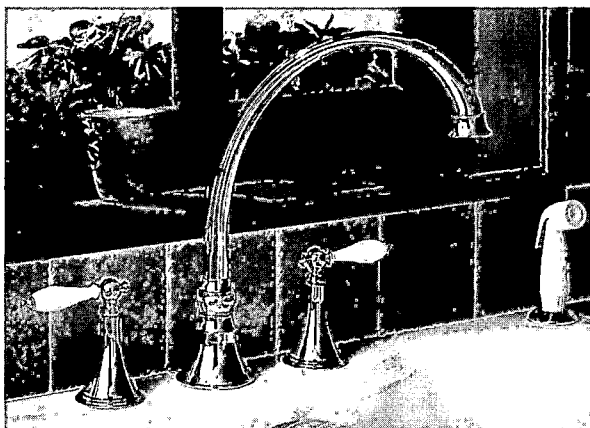


Many KOHLER faucets operate with a maximum of five pounds of force and feature lever or wristblade handles or touchless operation for ease of use.

For residential, office complex, retail center, hotel or hospital — Kohler offers design solutions that meet ADA requirements without compromising convenience, quality or style. **ADA**



Coralais™ Decorator single-control kitchen sink faucet with pull-out spray and integral vacuum breaker (K-15162).



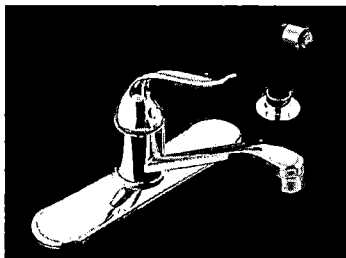
Finial Traditional kitchen sink faucet with traditional lever handles and white handspray (K-377-4P).



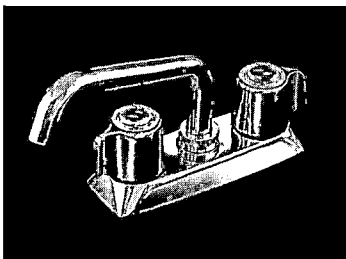
KOHLER faucets are warranted for as long as the original consumer purchaser owns his/her home. For complete warranty information, see your nearest dealer or phone 1-800-4-KOHLER. Trend® faucets; MasterShower™ Tower, polished gold finish, all items within the "Fixture Related" section of the Kohler Faucets Price Book, drains, Duostrainer® strainers, soap/lotion dispensers and faucets used in commercial settings are covered by Kohler's one-year limited warranty.

Ultra-reliable valving

One-piece washerless ceramic valving controls the flow of water under any water or temperature condition, resists debris and is easily maintained. A high temperature limit stop on single-control faucets which makes it easy to preset a comfortable maximum water temperature.



Coralais single-control kitchen sink faucet with lever handle and black handspray (K-15172).



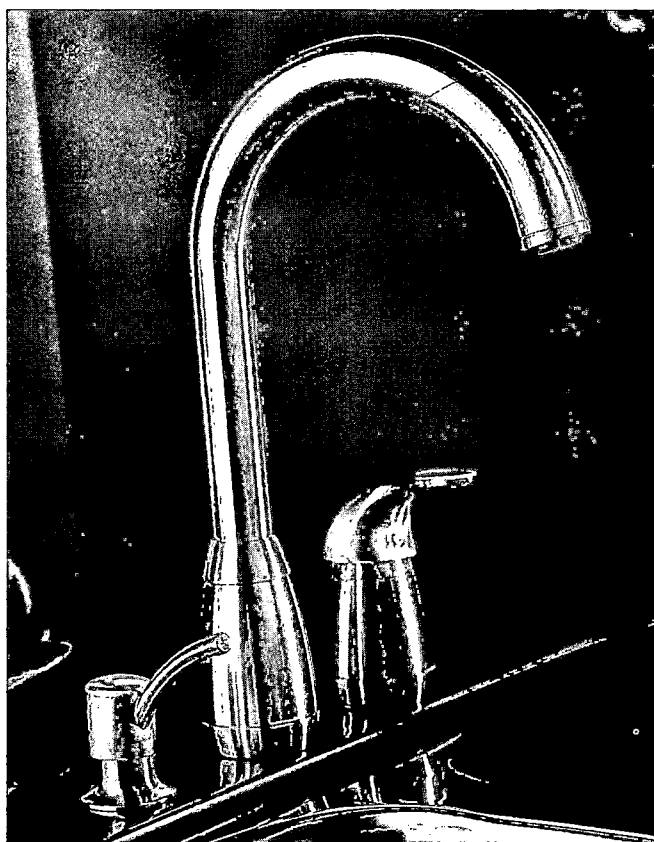
Coralais laundry sink faucet with plain end swing spout and blade handles (K-15270-B).

THE BOLD LOOK
OF **KOHLER®**

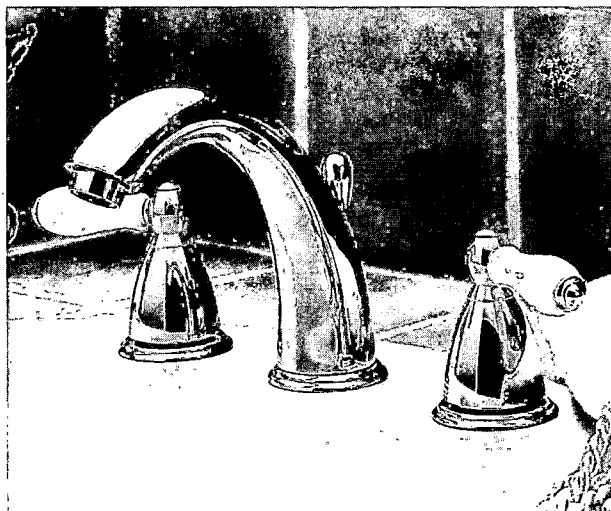
Kohler Co.
Kohler, WI 53044
(800) 4-KOHLER
kohlerco.com

ADA Products No Longer Have To Look "Institutional"

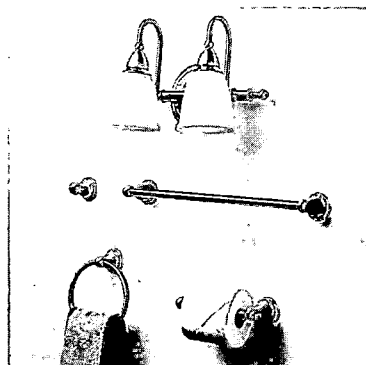
Price Pfister™
 (Pf) Pfreshest Ideas in Pf faucets.



The Contempra® captures the essence of both style and innovation within the kitchen pullout category. Its pfresh new style combines the functionality of a high-arc kitchen faucet with a contemporary, ergonomic pull-out spray head which extends over three feet to reach all areas of the kitchen sink making clean-up quick and easy. The Contempra® features a matching soap dispenser, and meets ADA requirements.



The Carmel® Collection with its sleek and dramatically arched spout provides a new level of style while meeting ADA requirements. Available in a 4" centerset, 8" widespread, Roman tub, tub & shower, accessories and lighting in a variety of finishes, Carmel provides additional style and décor options for a bath that needs to be accessible yet stylish.



In addition, Price Pfister's ADA compliant faucets feature:

- Ceramic Disc Valves which are resistant to lime, debris and hard water
- TwistPfit™ installation system on widespread faucets for 50% faster and easier installation
- Residential Warranty: Covers finish and function for life
- Commercial Warranty: 10 Years function/ 5 Years finish/ Lifetime on all PVD finishes

Price Pfister - 19701 DaVinci Lake Forest, CA. 92610 • 1-800-732-8238 • www.pricepfister.com

ADA

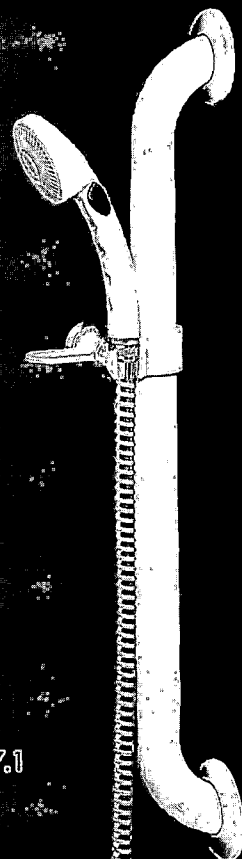
From
Alsons

Showering

ADA Compliant Wall Grab Bar Shower System

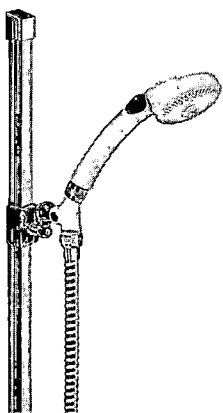
A Dual Purpose Product
That Combines the Features
of a Hand Shower with the
Security of a Grab Bar

- Wall bar available in White or Stainless Steel
- 24" or 36" bar lengths
- Adjustable mount operable by either hand or fist
- Full Spray hand shower with push-button pause control
- 70" UltraFlex® flexible hose or 69" metal double spiral hose available
- Meets and exceeds ADA Standards
- Complies with ANSI/ASME Standard A112.18.1M
- CSA Certified
- Meets Handicapped Accessibility Standard ANSI 117.1



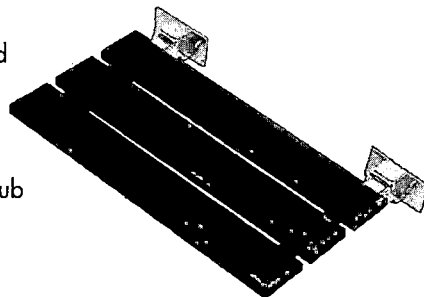
Glide Rail with Push Button Hand Shower

- Push button pause control hand shower
- 24" pin mount glide rail
- Swivel connector
- 79" double spiral hose or 84" UltraFlex® hose option
- Supply elbow
- Vacuum breaker



Custom Bath Seat

- Bath seat with teak wood slats
- Brass fittings for fold up or sit-down seat
- Wall installation in bathtub



Alsons Corporation

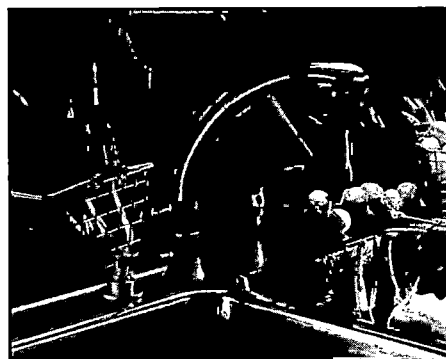
A Masco Company

3010 W. Mechanic Street
Hillsdale, MI 49242
Customer Service: 1-800-421-0001
Customer Fax: 517-439-9644
www.alsons.com



Brilliance® Pearl Nickel Finish

Highly resistant to abrasions from daily use and cleaning, and guaranteed never to corrode, tarnish or discolor, Delta Faucet Company's new *Brilliance* pearl nickel finish is easy to clean and maintain. Professionals can now offer their customers the upscale look of the popular nickel finish with the worry-free convenience that *Brilliance* affords.



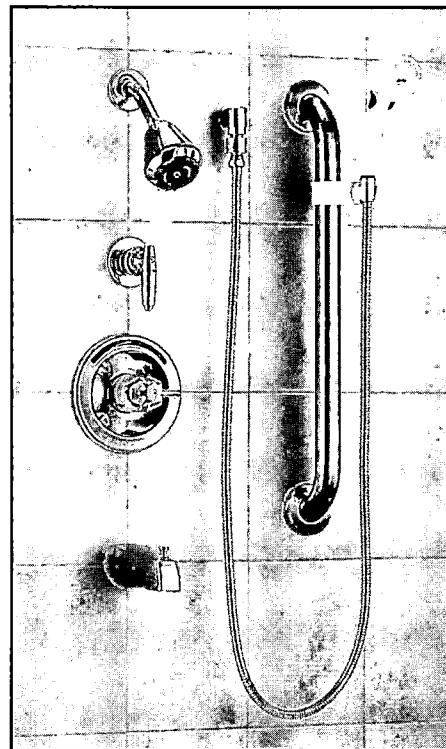
First introduced on a variety of Delta's bath faucets and tub/shower pressure-balance units, Delta's *Brilliance* pearl nickel is now available for use in the busiest room in the house, the kitchen. *Brilliance* pearl nickel is featured on many of Delta's kitchen faucets including the new Waterfall® and Signature™ pull-out faucets, single-handle Innovations® and Waterfall models and its Waterfall bar/prep sink faucets. Matching accessories in the pearl nickel finish, including towel bars, paper holders, robe hooks and glass shelves, are available to coordinate with faucets and tub/shower units. All Delta single and two-handle lever faucets are ADA-compliant, allowing customers to choose a style that fits their needs.

Delta Faucet introduced *Brilliance* polished brass to the plumbing industry on its Innovations line for the bath in 1996, the first time a tarnish-resistant polished brass was offered on faucets. For plumbing professionals, faucets with Delta's *Brilliance* finishes are quicker and easier to install than those with traditional epoxy finishes because the surface is not easily damaged during installation and the risk of finish-related callbacks is reduced.

Personal Hand Shower with ADA Adjustable Slide

Delta Commercial's new slide and grab bar combination features an ADA-compliant slide mechanism to allow for easy adjustments for bathers. The slide/grab bar is available in 24- and 36-inch lengths and comes in stainless steel or white finishes. The one-function hand shower has push button on-off control and utilizes a 69-inch flexible hose.

The personal hand shower can also accompany the Monitor® pressure-balance unit with Delta's exclusive Scald-Guard® valve, which helps protect bathers from scalding and thermal shock injuries. The valve continually compensates for hot and cold pressure changes and keeps the water temperature within $\pm 3^{\circ}\text{F}$ of the set temperature.



Delta Faucet Company

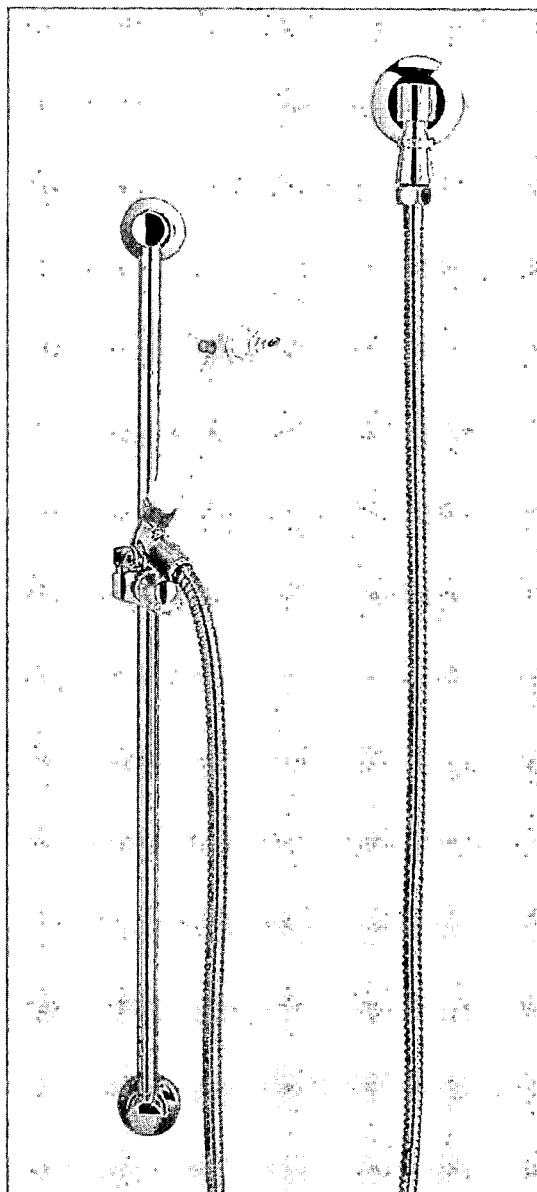
Box 40980
55 East 111th Street
Indianapolis, IN 46280
800-345-DELTA (3358)
www.deltafaucet.com



SHOWERALL[®] ... BY JACLO

For nearly forty years, JACLO has been the premier name in handheld shower fixtures and accessories. Every day, over a million households count on JACLO's highly-styled, multi-functional shower systems. Unparalleled in both form and function, JACLO products have what's necessary, including our clever anti-calcification features. And because we also offer the most consumer-friendly shower systems available, it's easy to see why more and more medical, hospital, plumbing distributors, and showrooms are turning to JACLO to meet the demands of their discerning clientele.

- **ADA-compliant shower systems and products** 
- **JACLO's friendly, helpful staff will design the ideal system for your clients**
- **From basic to highly-styled, JACLO products will meet your client's specific needs without sacrificing design.**

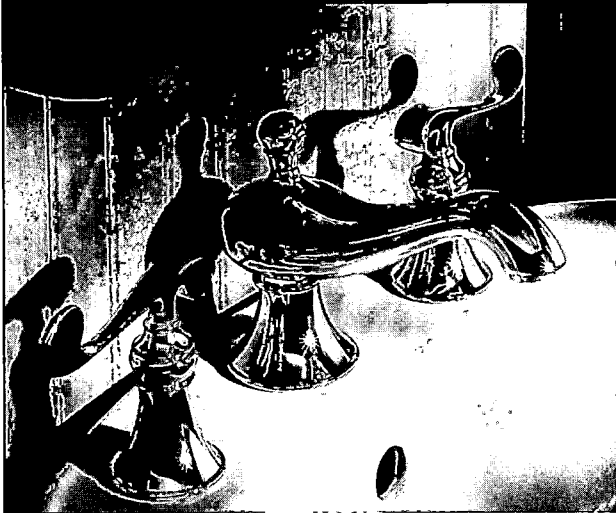


SHOWERALL[®] ... *we aim to clean!*

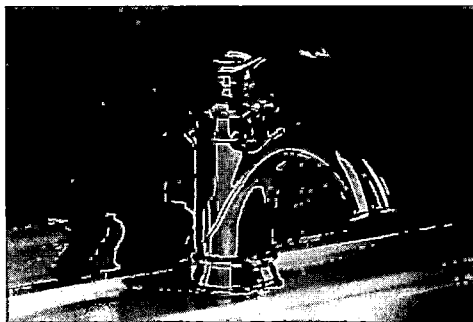
Phone (800) 852-3906 • Fax (800) 852-4133

www.jaclo.com

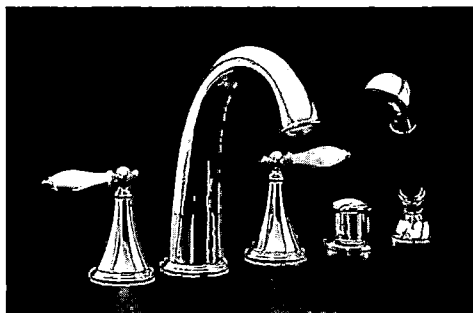
KOHLER® faucets — beauty and variety for the bath.



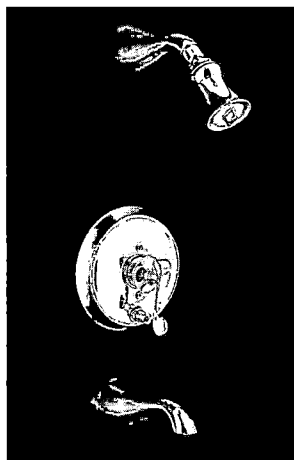
Revival™ widespread lavatory faucet with scroll lever handles (K-16102-4).



Fairfax™ single-control lavatory faucet (K-12182). Also available with escutcheon plate (K-12181).



Finial Traditional deck-mount high-flow bath faucet with lever handles with White handle inserts and Traditional deck-mount handshower with black sprayhead and 2-way diverter valve (K-T314-4P/K-300-K/K-6526/K-9530).



Revival Rite-Temp pressure-balancing bath and shower faucet with scroll lever handle (K-T16115-4/K-305-K).

Many KOHLER faucets operate with a maximum of five pounds of force and feature lever or wristblade handles or touchless operation for ease of use.

For residential, office complex, retail center, hotel or hospital — Kohler offers design solutions that meet ADA requirements without compromising convenience, quality or style. **ADA**

Ultra-reliable valving

One-piece washerless ceramic valving controls the flow of water under any water or temperature condition, resists debris and is easily maintained. A high temperature limit stop on single-control faucets makes it easy to preset a comfortable maximum water temperature.

Safety

KOHLER Rite-Temp™ pressure-balancing valves prevent surges of hot and cold water while showering. A sensitive diaphragm within the mechanism regulates water pressure to maintain a constant water temperature of $\pm 3^\circ\text{F}$.

Warranty

KOHLER faucets are warranted for as long as the original consumer purchaser owns his/her home. For complete warranty information, see your nearest dealer or phone 1-800-4-KOHLER. Trend® faucets, MasterShower™ Tower, polished gold finish, all items within the "Fixture Related" section of the Kohler Faucets Price Book, drains, Duostrainer® strainers, soap/lotion dispensers and faucets used in commercial settings are covered by Kohler's one-year limited warranty.



THE BOLD LOOK
OF **KOHLER®**

Kohler Co.
Kohler, WI 53044
(800) 4-KOHLER
kohlerco.com



835035CC

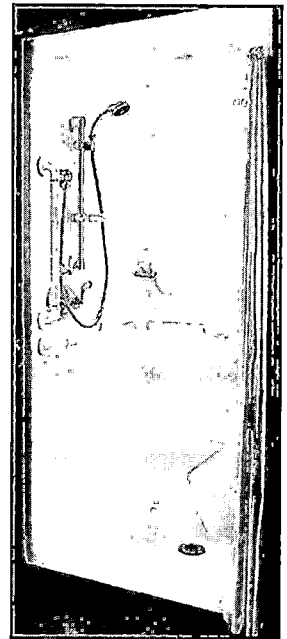


Built-in Microban® antibacterial protection helps make surfaces easier to keep clean by inhibiting the growth of bacteria, mold, and mildew and is engineered to last the life of the unit. Now standard in all gelcoat models.

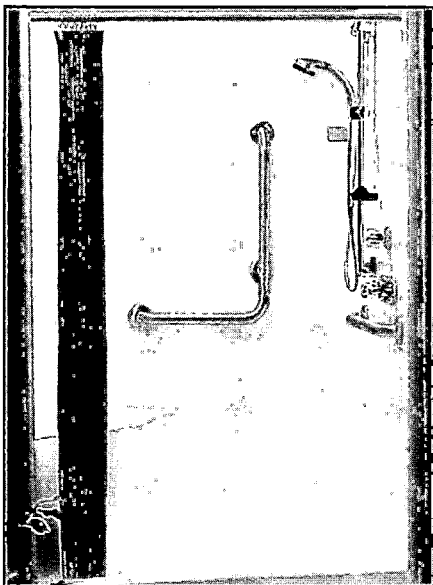
Special Care®

Since 1983, Aqua Glass has produced attractive, universally-designed Special Care units for both healthcare and home environments. Choose from a variety of accessible tub/shower and shower designs, with low or roll-in thresholds, textured floors, molded-in or fold-down transfer seats, optional dome lights, and grab bars in bone, white, or stainless steel. Many models are designed to comply with the Americans with Disabilities Act (ADA) of 1991 and the ANSI code A117.1. Crafted of durable, high-gloss acrylic or gelcoat, these easy-to-install units are offered in a wide range of decorator colors. And their one-piece construction allows easier cleaning than tile showers, making the unit more sanitary. Fixture options include Grohe® thermostatic and pressure-balanced controls or Delta® valves and Alsons® fixtures.

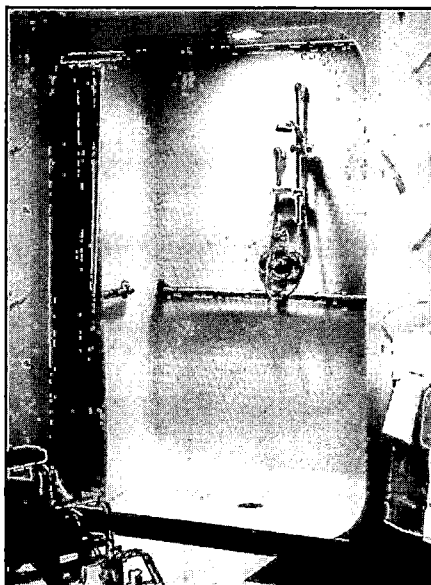
Aqua Glass, a subsidiary of Masco Corporation, is one of the country's leading manufacturers of plumbing products including acrylic and gelcoat fiberglass bathtubs, showers, and whirlpools.



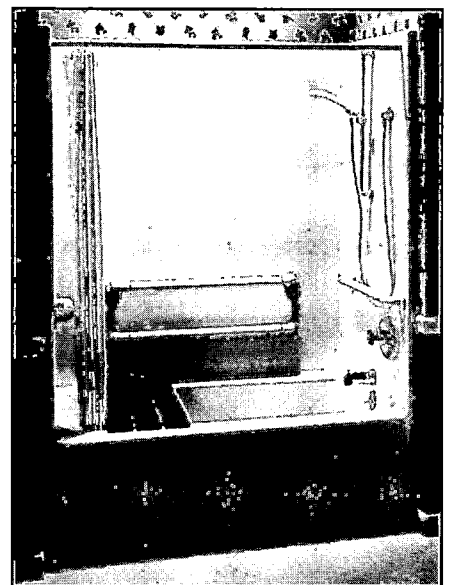
634139A



834936A



636437A-R or L



836033B-R or L

AquaGlass
P.O. Box 412
Industrial Park
Adamsville, TN 38310
☎ (901) 632-0911

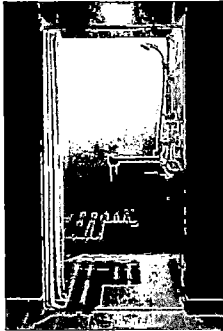
AQUA GLASS®

Stainless steel curtain rod supports a fire retardant, antibacterial vinyl curtain.



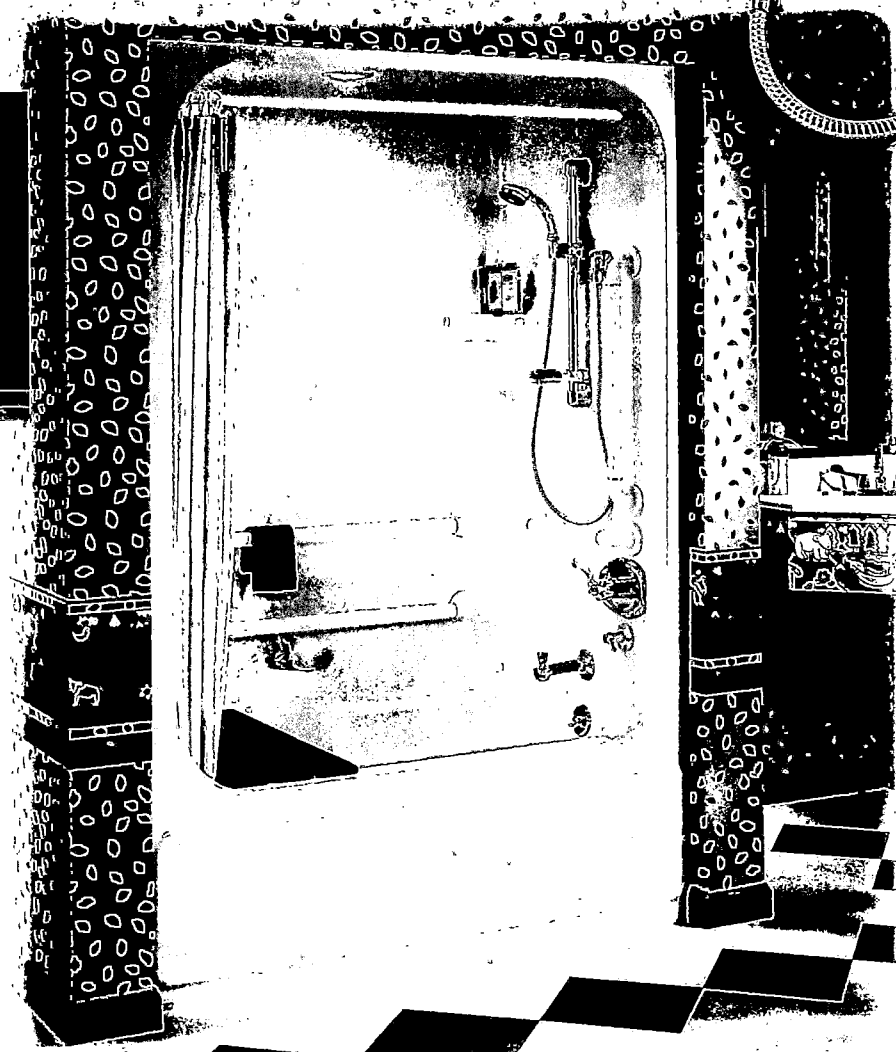
Many Special Care® models are ADA* compliant.

All ADA*-compliant showers are designed for below-floor rough-in, and may be modified for above-floor rough-in.



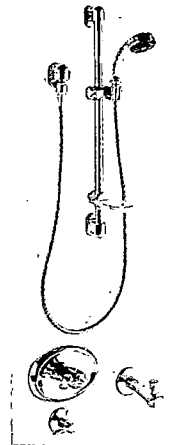
Grab bars are factory installed using steel mounting plates with stainless steel bolts that secure the bars from behind, enabling them to withstand in excess of 250 pounds of pressure at the centerpoint. Choose from white or bone vinyl-clad or stainless steel bars.

Customized modifications like a relocated drain or adjusted threshold height are available. Call for details.



Guard against fluctuations in water pressure and temperature with optional Delta® control valves and Alsons™ hand-held shower fixtures;

or select a Grohe® package with thermostatic and pressure-balanced fixtures. All controls, shelves and bars are positioned for easy accessibility by standing or sitting bathers.



Textured floor design offers better traction, safer footing for bathers.

Special Care® for the Physically Challenged.

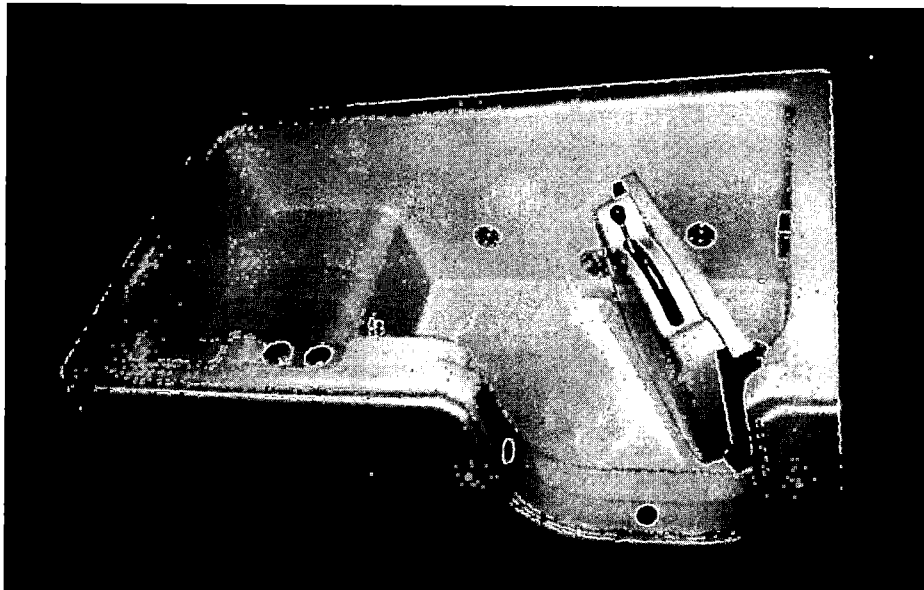
Our universally-designed Special Care® baths and showers fit handsomely into both healthcare and home environments, where the elderly and physically challenged can enjoy maximum comfort, convenience, and confidence. ☞ Our quality-crafted one-piece units of tough acrylic or sanitary-grade gelcoat offer greater rigidity and strength, with no seams to harbor germs, dirt, and mildew. ☞ Since Aqua Glass® has designed, produced, and constantly improved specialized barrier-free units since 1983, you can rest assured of quality and reliability that really makes a difference, in each and every one of our five-year-warranted Special Care® models.

AQUA GLASS®

Aqua Glass Corporation • A Masco Company • P. O. Box 412 • Adamsville, TN 38310

*Americans with Disabilities Act of 1991

THE IDEAL CHOICE FOR ACCESSIBLE BATHING

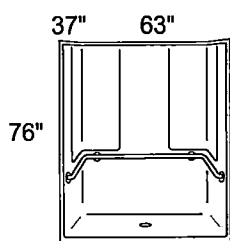


BathEase was the first standard size, residential style, accessible bathtub to enter the marketplace in 1988. Created to meet the special needs of an elderly and physically challenged population, this design is much more suitable for lifetime, rather than just prime time use. Measuring 60" x 32" x 21" it may be recessed in the floor for zero threshold. The essence of BathEase is its simplicity of design.

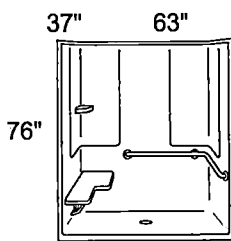
Manufactured in high gloss acrylic, models are available with or without integral seats together with optional whirlpools, matching acrylic walls, dome, and decorator colors. Both the floor and seat feature a slip resistant surface. Tested at the NAHB Research Center and registered with the FDA, this Award Winning design (American Society on Aging 1991) meets HUD and ANSI requirements. Long popular for private residential and caregiver use, several of the largest Health Care Corporations feature it in their facilities. A better bathtub/shower for the next Century, every home should have one.

BathEase, Inc.
3815 Darston Street
Palm Harbor, Florida 34685
☎ (727) 786-2604

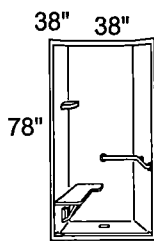
BathEase, Inc.



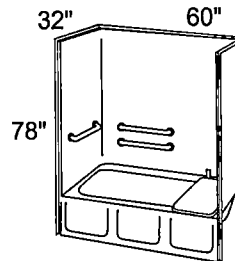
with wrap-around grab bar
S-6337ADA2-C



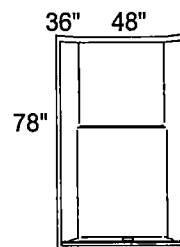
with fold-up seat and grab bar
S-6337ADA2-LS
(right- or left hand)



S-3838ADA1.5
S-3838ADA.5

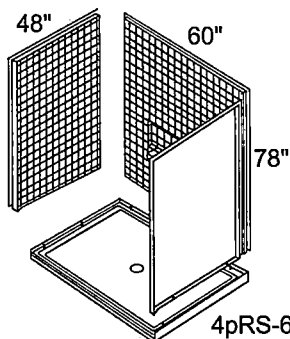


TS-6032ADA

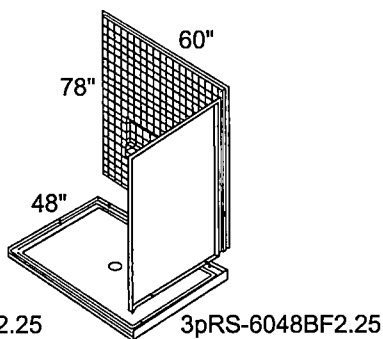


S-4836BF1.25

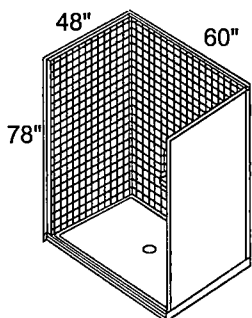
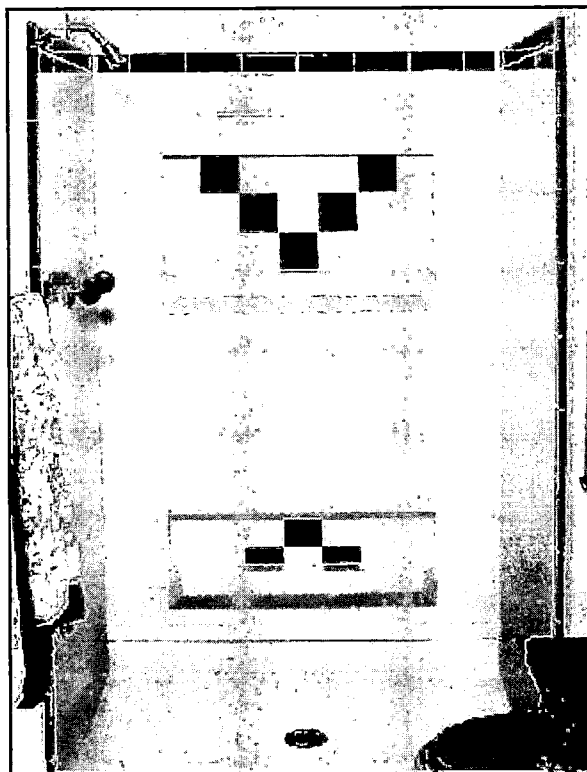
- 87 models Barrier Free, ADA and Assisted living models
- "Assemble-in-place" retrofit models
- High gloss "RealTile" look
- Heavy duty construction
- Many grab bar and seat choices
- Ultra-low thresholds: no need to recess!



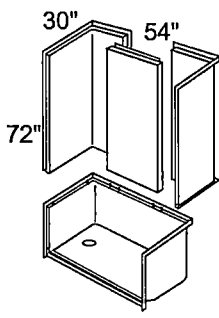
4pRS-6048BF2.25



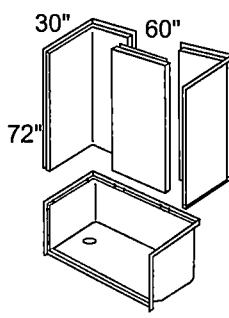
3pRS-6048BF2.25



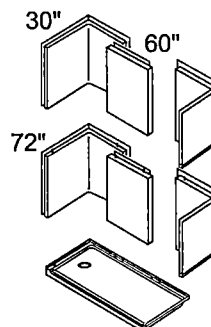
RS-6048BF2.25



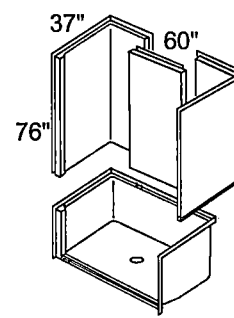
4p-5430BF2.25



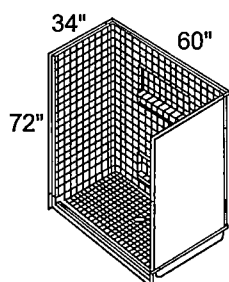
4p-6030BF2.25



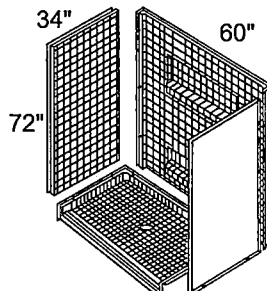
7p-6030BF2.25



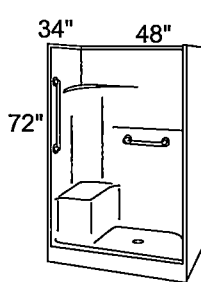
4p-6037BF2.25



RS-6034BF2.25



4pRS-6034BF2.25



S-4834AL4.25

Phone
Fax

(800) 727-9907
(800) 627-0929

Access™

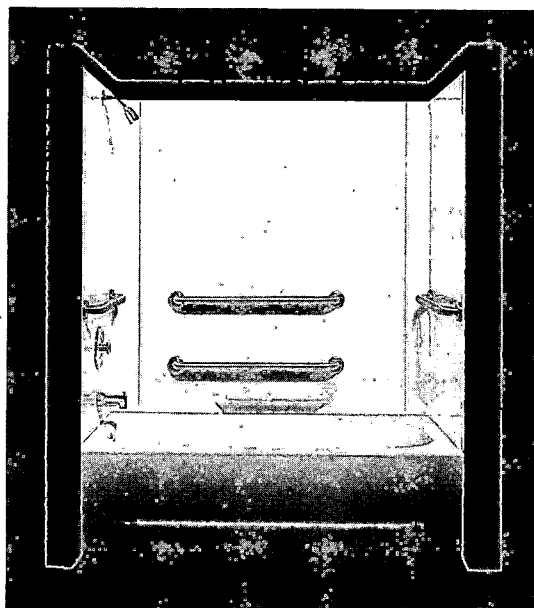


Best Bath Systems

A Division of Fiberglass Systems
www.best-bath.com
Email: sales@best-bath.com

DURAWALL® 350

Fiberglass Bathtub Walls



Ideal for New and Remodeled Bathrooms!

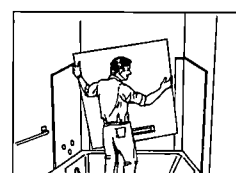
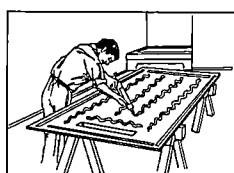
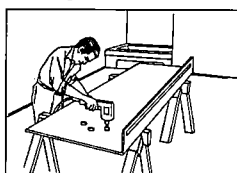
Mustee's fiberglass DURAWALL® BATHTUB WALLS can accommodate grab bars per ADA (Americans with Disabilities Act-1990) specifications and exceed the expectations and requirements of architects, engineers, builders and designers.

- Fits a Standard 5 ft. (or less) Bathtub
- 3 Molded Panels, Seamless Corners, Large Shelf
- Available in White and Bone
- Smooth, Semi-Gloss Finish
- Scuff Resistant, Uniform Color
- Can be Cut to Accomodate Window
- Mildew Resistant, Easy to Clean
- Double-sided Tape on Underside Edges
- Includes Adhesive and Caulk

Meets Local and Federal Agency Requirements

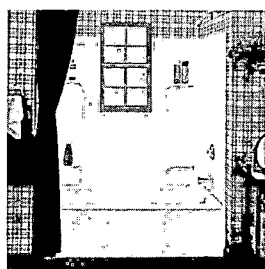
- American National Standards Institute (ANSI) – Specification Z 124.1
- American Society of Testing & Materials (ASTM) – D 635 Flammability, E 84 Flame Spread, E 162 Fire Retardance
- Inhalation Toxicity Test ■ HUD/FHA – UM-73

Easy to Install

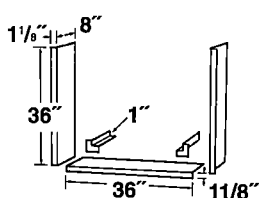


DURATRIM™ Window Trim Kits

Protects bathroom alcove windows up to 36" wide with 8" sill mouldings. 5-piece fiberglass, includes adhesive and caulk.



300.600W-White
300.600WBN-Bone



ADA Design Allows for Proper Placement of Grab Bars

- ADA – Section 4.20.4
- American National Standards Institute (ANSI) – Specification A.117.1

Grab Bars (not included) must be anchored to structural support.

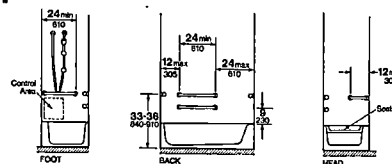
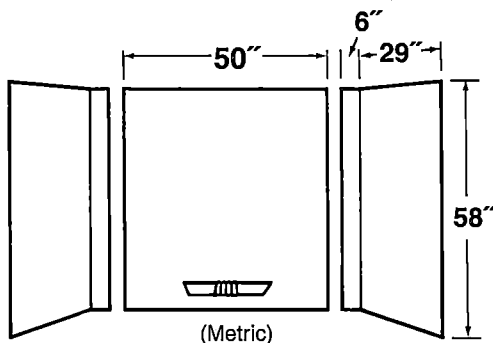


Figure 34(a)-ADA Section 4.20.4 Grab Bars

SPECIFICATIONS

Preferred by the "Pros"



Model No.	Color	Model No.	Color
350WHT	White	350BN	Bone

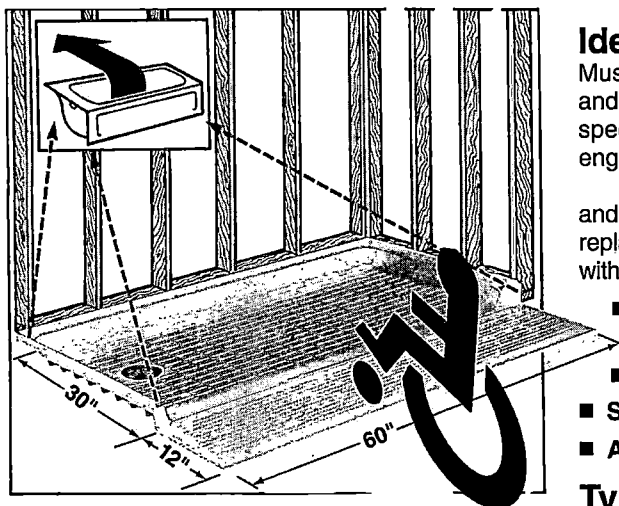
General: Furnish and install as shown on plans DURAWALL® Bathtub Walls, model 350, as manufactured by E.L. Mustee & Sons, Inc. The wall system shall be three-piece construction with molded-in shelf and double face tape applied to edges of underside for a better seal. Panels shall include 20% fiberglass reinforced composite material and be manufactured with matched metal molds using extreme heat and pressure with a uniform thickness of 85 mils. Shall be semi-gloss, scuff-resistant surface. Unit shall meet or exceed applicable tests, per ANSI Specification Z 124.1. Color ____ (White, Bone). Shall include adhesive, caulk and instructions. Weight 62 lbs., cubic feet 12.0. Install in compliance with local codes.



E.L. MUSTEE & SONS, INC. ■ 5431 W. 164th St., Cleveland, Ohio 44142
Phone (216) 267-3100 ■ Fax (216) 267-9997 ■ www.mustee.com

DURABASE® 360

Barrier-free Shower Floors & Entry Ramps



Ideal for New and Remodeled Bathrooms!

Mustee's barrier-free designed fiberglass DURABASE® SHOWER FLOORS and ENTRY RAMPS comply with ADA (Americans with Disabilities Act-1990) specifications and exceed the expectations and requirements of architects, engineers, builders and designers.

DURABASE® Shower Floor System features molded fiberglass 30"x60" floor and 12"x60" entry ramp. Two-piece unit can be used in new construction or to replace standard 5 ft. bathtub (utilizing existing drain hook-up). Models available with choice of right or left side drain location.

- **Sturdy, 1-piece Fiberglass Shower Floor**—barrier-free, ribbed underbody for extra strength, slip-resistant surface helps retain position of wheel chair
- **Entry Ramp**—slip-resistant surface
- **Semi-gloss Surface**—resistant to mold, mildew and stains, easy to clean
- **Available in White and Bone**

Typical Installations

RESIDENTIAL—homes, apartments, condominiums, etc.

COMMERCIAL—hotels, motels, hospitals, nursing homes, assisted living housing, etc.

Code Accepted

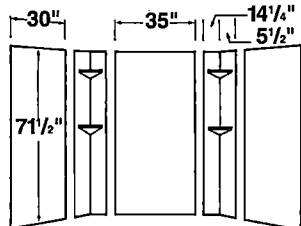
Barrier-free DURABASE® SHOWER FLOORS and ENTRY RAMPS meet or exceed the most stringent performance requirements of many local, state, and federal agencies, including:

- **ADA**—General, Section 4.21.1; Size and Clearance, Section 4.21.2; Curbs, Section 4.21.7
- **HUD/FHA**—UM-73
- **American Society of Testing and Materials (ASTM)**—D 635, E 84 and E 162

DURAWALL® Shower Walls

Fit barrier-free DURABASE® Shower Floor System, thermoplastic, 5-piece.

260WHT—White
260BN—Bone



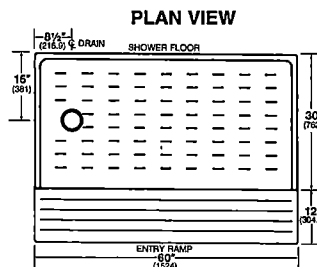
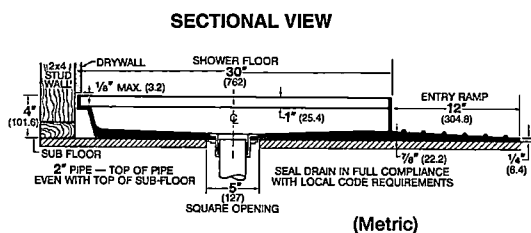
Drip Rail Kit

360.200—attaches to entry ramp, helps retain water.



SPECIFICATIONS

Preferred by the "Pros"



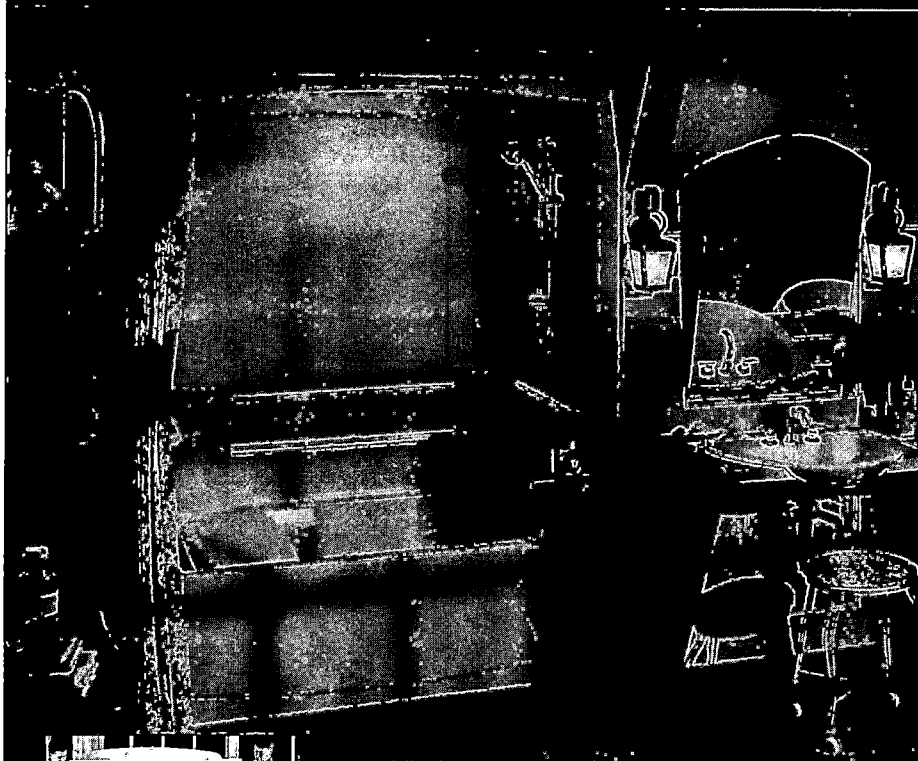
Model No.	Nom. Size	Color	Drain Location
DURABASE® Shower Floors – barrier free			
360R	30"x60"	White	Right Side
360RBN	30"x60"	Bone	Right Side
360L	30"x60"	White	Left Side
360LBN	30"x60"	Bone	Left Side
Entry Ramps – adapt to threshold			
360.100	12"x60"	White	—
360.100BN	12"x60"	Bone	—

General: Furnish and install as shown on plans, barrier-free DURABASE® SHOWER FLOOR model _____ and ENTRY RAMP model _____ (see above), as manufactured by E.L. Mustee & Sons, Inc. Floor to be one-piece, molded fiberglass, using matched metal molds under extreme heat and pressure. Surface to be slip-resistant design that does not interfere with flow of water. Size: 30"x60". Shoulder will be not less than 3 1/16" high or less than 1 1/4" wide. Tiling flange will extend not less than 1" higher than shoulder. Shower floors shall not have curb used in conjunction with 12"x60" entry ramp per ADA requirements. Drain available on right or left side, offset 8 1/2"x15". Color _____ (White, Bone)



E.L. MUSTEE & SONS, INC. ■ 5431 W. 164th St., Cleveland, Ohio 44142
Phone (216) 267-3100 ■ Fax (216) 267-9997 ■ www.mustee.com

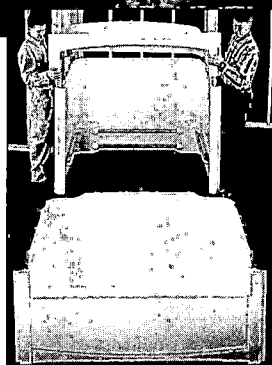
KOHLER® barrier-free bathing emphasizes design and function.



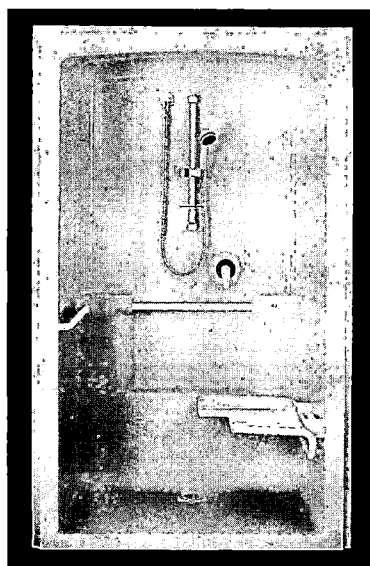
The Freewill line includes several different models of barrier-free shower units and a combination bath/shower/whirlpool module.

Freewill Bath/Shower (K-12104-N is 64 3/4" x 37" x 84") with removable multi-position seat. Taporet® faucet and MasterShower™ components. Whirlpool module available with six Flexjets.

ADA



Freewill Barrier-Free Shower Modules are also available in multi-piece versions convenient for remodeling.

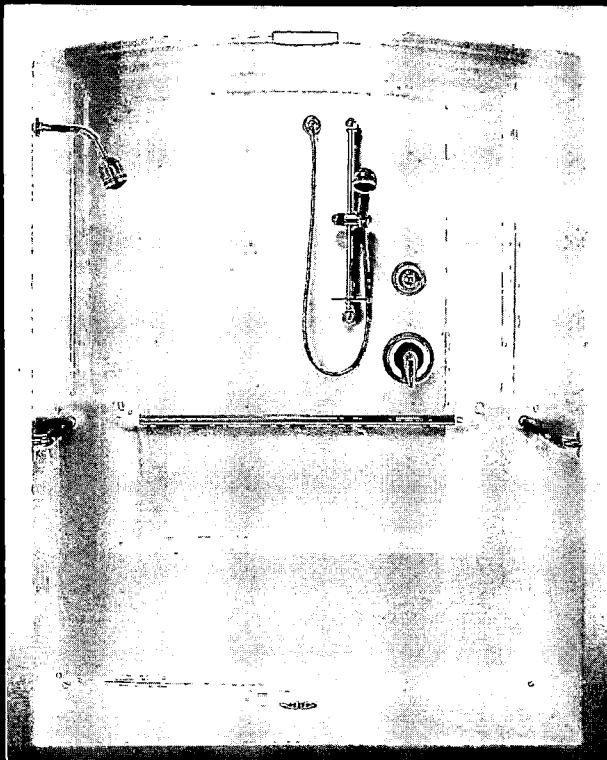


Freewill Barrier-Free Shower Module (K-12112-N is 52" x 37 1/2" x 84") with factory-installed fold-up seat. Cabriole™ faucet and MasterShower components.

- Easy accessibility and attractive styling
- Designed specifically to be compatible with residential settings
- Specific models tagged ADA comply with the Americans with Disabilities Act when installed per the requirements of the Accessibility Guidelines, Section 4.20 Bathtubs and Section 4.21 Showers, of the Act
- Available in a selection of KOHLER Full Line bathroom colors

THE BOLD LOOK
OF **KOHLER®**

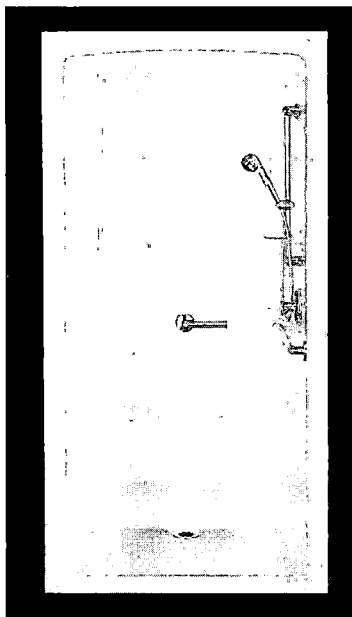
Kohler Co.
Kohler, WI 53044
(800) 4-KOHLER
kohlerco.com



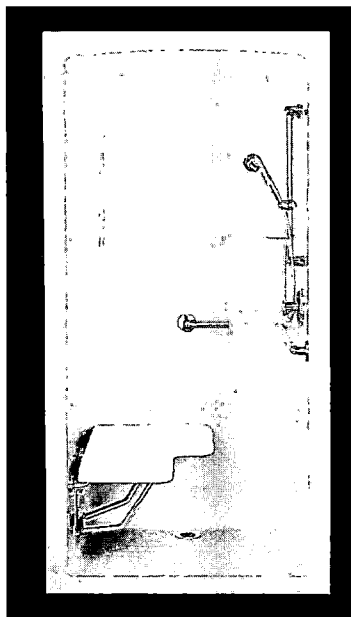
- Crafted of glossy, high-quality acrylic for easy maintenance and long life
- Slip-resistant floor for safety
- Overall height of 84"
- Grab bars are fabricated of rigid nylon, brushed or polished stainless for added safety
- Three-piece modules are available for easy remodeling

Freewill™ Barrier-Free Wheelchair Shower Module (K-12102-P is 69 1/4" x 37 1/2" x 84") with low 1/2" interior threshold for full wheelchair access. Cabriole™ faucet and MasterShower™ components.

ADA

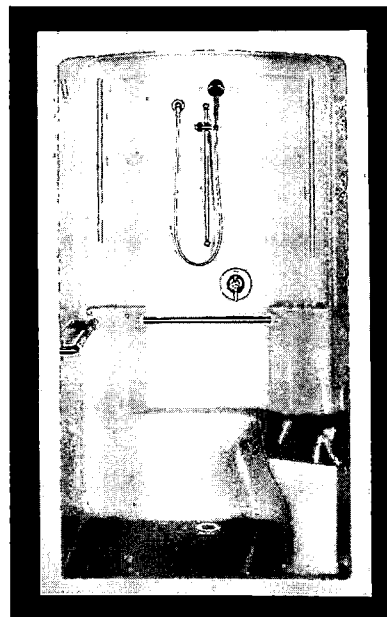


Freewill 45" Shower (K-12108-P is 45" x 38 3/8" x 84"). Taboret® faucet and MasterShower components.



Freewill Transfer Shower (K-12101-P is 45" x 38 3/8" x 84") with fold-up seat. Taboret® faucet and MasterShower components.

ADA

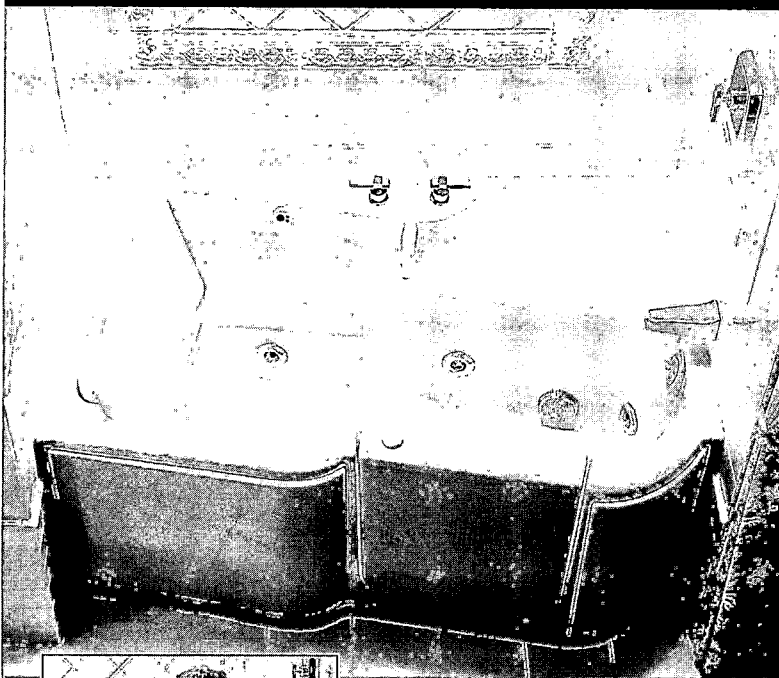


Freewill Barrier-Free Shower Module (K-12110-P is 52" x 37 1/2" x 84") with integral seat. Coralais™ faucet and MasterShower components.

THE BOLD LOOK
OF **KOHLER**®

Kohler Co.
Kohler, WI 53044
(800) 4-KOHLER
kohlerco.com

KOHLER® Precedence™ — easily accessible bathing.



The Precedence bath whirlpool offers comfort, relaxation and rejuvenation that is ideal for those with an independent lifestyle. As water is added to this bath whirlpool, an automatic sensor inflates the HydroLoc™ seal, assuring watertight operation. When the water is drained, the sensor deflates the seal and the door can be opened.



Precedence Bath Whirlpool
(K-1356-H1 is 60" x 37 3/4"
x 24") with Alterna™ faucet.

- Convenient swing door provides easy entry, even for people with limited physical mobility
- KOHLER System III, with 2 hp variable-flow pump and integral heater, offers luxury whirlpool amenities for the ultimate whirlpool experience
- Five Flexjets provide direct adjustable hydro-massage for major muscle groups
- 5' x 32" three-wall alcove installation
- High-gloss plastic backed with a solid layer of fiberglass ensures durability and resistance to chipping, cracking and flexing
- Designed for one-person bathing
- Less all trim
- Bath-only version also available
- Folding KOHLER RediSeat™ provides standard or deep soak bathing
- Integral ledges offer balance and safety
- Whirlpool controls conveniently located
- Available in a selection of KOHLER full-line bathroom colors

THE BOLD LOOK
OF **KOHLER®**

Kohler Co.
Kohler, WI 53044
(800) 4-KOHLER
kohlerco.com

STERLING PLUMBING'S VIKRELL™ ACCESSIBLE BATHROOM FIXTURES

39" Accessible Transfer Shower OC-SS-39-ADA

Sterling's award winning OC-SS-39-ADA Accessible Transfer Shower is designed for ease of entry and exit. It provides safety, durability, and ease of cleaning without sacrificing style. The shower installs on the existing sub-floor, thus there are no costly floor modifications to achieve the $\frac{1}{2}$ " barrier-free threshold. A transfer seat features a stainless steel support structure that locks into place when folded down for added safety and security.



63" Accessible Roll-In Shower OC-S-63-ADA

Sterling's OC-S-63-ADA Roll-In Shower is barrier-free to allow for easy entry and exit. It is spacious and easy-to-clean with a lightly pebbled bottom surface that is slip resistant. It also features a low, accessible, molded-in shelf along the back wall to accommodate toiletries. The drain is positioned near the back wall to improve accessibility. Both the 39" and 63" units feature factory-installed grab bars to provide greater support.



Both showers are made of Sterling's exclusive VIKRELL™ material which is created from a composite of poly resin and fiberglass. It is a compression molded material with color throughout - no layers to chip, crack, or peel. The patented, tongue-in-groove wall surround snaps together to provide a watertight seal without caulking. In addition to VIKRELL™ bathing fixtures, Sterling manufactures faucets, stainless steel and composite kitchen sinks, vitreous china fixtures and tub/shower doors.



Sterling Plumbing

2900 Golf Road
Rolling Meadows, IL 60008

☎ (800) STERLING that's (800) 783-7546

www.sterlingplumbing.com

LASCO® BATHWARE AMERICA'S BATHTUB COMPANY

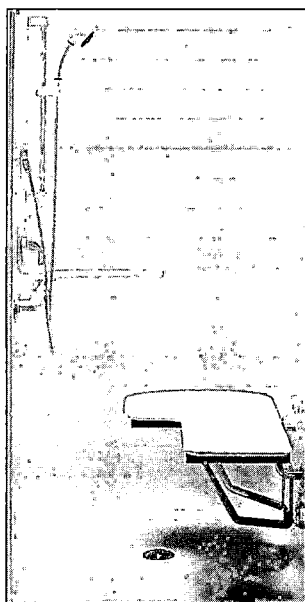
8101 E Kaiser Blvd
Anaheim, CA 92808

(800) 877-2005

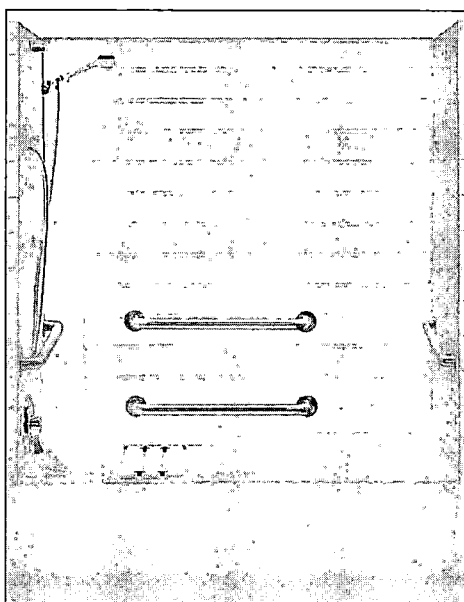
www.LASCOSBathware.com

LASCO Bathware is the largest bath fixture manufacturer in the nation. With more than 240 products to choose from, LASCO offers the most extensive product line in the industry.

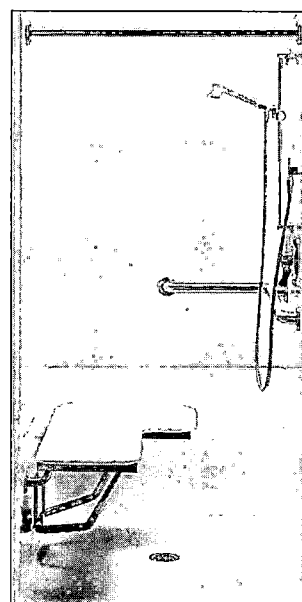
Immediate access to technical and installation literature is available 24 hours a day, 7 days a week with LASCO's Automated Fax-On-Demand System. To access the system, simply dial (800) 877-2005, and follow the instructions. For your convenience, document numbers for FreedomLine™ models have been provided.



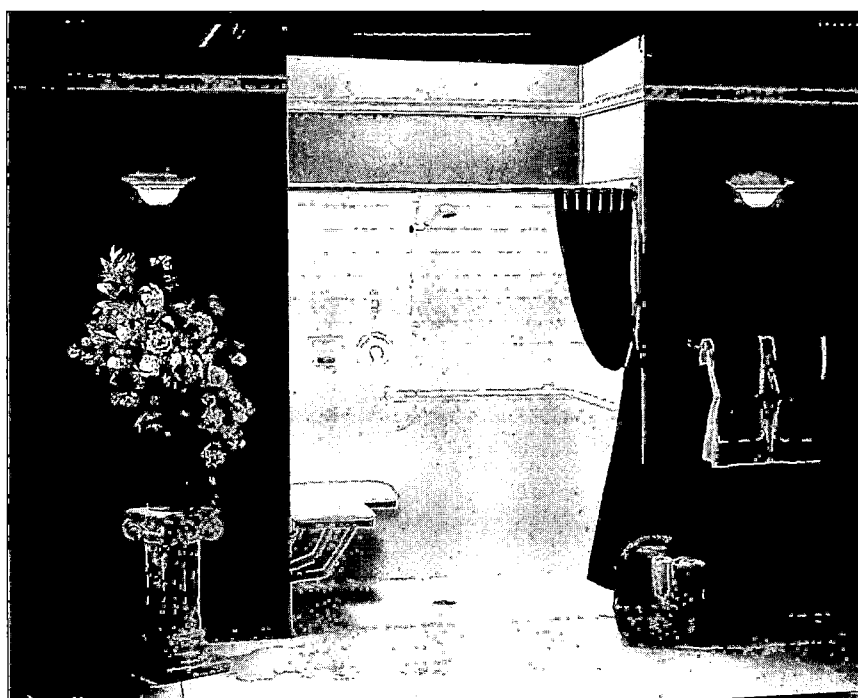
Simulated ceramic smooth tile
ADA compliant shower
Model #1363-BFSCST



Simulated ceramic smooth tile
ADA compliant tub/shower
Model #2603-CTH



Sectional ADA compliant shower
Model #1363-BFC2P pictured.



ADA compliant shower
Model #1603-BFST

Model # Material	Fax-on Demand	Net Dimensions (WxDxH)	Description Code Reference	Skirt Ht. Curb Ht.
1363-BFS	6003	36" x 36" x 74 1/8" (interior)	Barrier-Free Shower	1 3/4" skirt
Lascoat		38" x 38 1/4" x 77 1/8" (exterior)	ADA/ANSI compliant (when equipped)	1/2" int. curb
1363-BFSC	6026	36" x 36" x 75" (interior)	Barrier-Free Shower	3/4" skirt
Lascoat		38" x 38 1/4" x 77" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
1363-BFC2P	6027	36" x 36" x 75 1/8" (interior)	2-Piece, Barrier-Free Shower	3/4" skirt
		38 x 38 3/4" x 77 1/8" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
1363-BFSCST	6038	36" x 36" x 75" (interior)	Smooth Tile Barrier-Free Shower	3/4" skirt
Lascoat		38 x 38 1/4" x 77" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
3636-BFS	6018	36" x 36" x 80 7/16" (interior)	Barrier-Free Shower Module	1 3/4" skirt
Acrylic		41" x 37" x 83 3/4" (exterior)	ADA/ANSI compliant (when equipped)	1/2" int. curb
3636-BFSC	6029	36" x 36" x 80 7/16" (interior)	Barrier-Free Shower Module	1" skirt
Acrylic		41" x 37" x 83 1/2" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
1423-BFS	6005	42 5/8" x 48 5/8" x 75" (interior)	Barrier-Free Shower	2" skirt
Lascoat East Coast Only		45 5/8" x 51 3/8" x 78 1/4" (exterior)		1/2" int. curb
1423-CBFS	6006	42" x 48" x 75 3/8" (interior)	Barrier-Free Shower	3/4" skirt
Lascoat West Coast Only		45" x 50 3/4" x 77 7/8" (exterior)	CAL-TITLE 24 Compliant (when equipped)	NO int. curb
1483-TSTH	6033	46" x 34 1/4" x 73" (interior)	Smooth Tile Assisted Living Shower	2 1/2" skirt
Lascoat		48" x 36 1/4" x 76 1/2" (exterior)		1 1/2" int. curb
1483-TSCH	6035	46" x 33" x 73" (interior)	Assisted Living Shower	2 1/2" skirt
Lascoat		48" x 35" x 76 1/2" (exterior)		1 1/2" int. curb
4836-BFS	6020	48" x 36" x 81 5/16" (interior)	Barrier-Free Shower Module	2" skirt
Acrylic		53" x 37" x 84" (exterior)		1/2" int. curb
1603-BFSC	6028	60" x 34" x 74 7/8" (interior)	Barrier-Free Shower	3/4" skirt
Lascoat		62" x 36 1/4" x 76 7/8" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
1603-BFST	6034	60" x 34" x 74 7/8" (interior)	Smooth Tile Barrier-Free Shower	3/4" skirt
Lascoat		62" x 36 1/4" x 76 7/8" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
1603-CFS	6010	60" x 34" x 74 5/16" (interior)	Barrier-Free Shower	1 3/4" skirt
Lascoat		62" x 36 1/4" x 77 5/16" (exterior)		1/2" int. curb
1623-BFST	6040	60" x 30" x 74 7/8" (interior)	Smooth Tile Barrier-Free Shower	3/4" skirt
Lascoat		62" x 32 1/4" x 76 7/8" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
1603-TSCB	6032	58" x 33" x 73" (interior)	Assisted Living Shower	4" skirt
Lascoat		60" x 35" x 78" (exterior)		3" int. curb
1604-MHS	6011	57" x 31 1/2" x 73 3/4" (interior)	Reinforced Shower	3 1/4" skirt
Lascoat		60" x 34 1/4" x 78 1/4" (exterior)		1" int. curb
6030-BFSC	6030	60" x 30" x 78 15/16" (interior)	Barrier-Free Shower	1" skirt
Acrylic		65" x 31" x 83 1/2" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
6030-CFS	6021	60" x 30" x 78 15/16" (interior)	Barrier-Free Shower	1 3/4" skirt
Acrylic		65" x 31" x 83 3/4" (exterior)		1/2" int. curb
6036-BFSC	6031	60" x 36" x 79" (interior)	Barrier-Free Shower Module	1" skirt
Acrylic		65" x 37" x 83 1/2" (exterior)	ADA/ANSI compliant (when equipped)	NO int. curb
6036-CFS	6022	60" x 36" x 79" (interior)	Barrier-Free Shower Module	1 3/4" skirt
Acrylic		65" x 37" x 83 3/4" (exterior)		1/2" int. curb
2603-SME	6015	56" x 30 3/4" x 72" (interior)	Barrier-Free Tub/Shower	15" skirt
Lascoat		60" x 33 1/4" x 73 1/4" (exterior)	ADA/ANSI compliant (when equipped)	
2603-SMH	6017	56" x 30 3/4" x 76" (interior)	Barrier-Free Tub/Shower	19" skirt
Lascoat		60" x 33 1/4" x 77 1/4" (exterior)		
2603-CTH	6012	56" x 30 1/4" x 72" (interior)	Smooth Tile Tub/Shower	15" skirt
Lascoat		60" x 33 1/4" x 73 1/4" (exterior)	ADA/ANSI compliant (when equipped)	
2603-CTHM	6014	56" x 30 1/4" x 76" (interior)	Smooth Tile Barrier-Free Tub/Shower	19" skirt
Lascoat		60" x 33 1/4" x 77 1/4" (exterior)		
2603-SS3P	6036	56" x 26" x 72" (interior)	Smooth Tile Barrier-Free Tub/Shower	15" skirt
Lascoat		60" x 31 1/4" x 73 1/4" (exterior)	ADA/ANSI compliant (when equipped)	
6032-JTS	6023	60" x 32" x 80 1/2" (interior)	Barrier-Free Tub/Shower Module	17" skirt
Acrylic		65" x 33" x 84" (exterior)	ADA/ANSI compliant (when equipped)	

*Interior height is measured from the top of the drain to the top of the unit. Exterior height is measured as the overall height of the unit.

NATIONAL

Innovatively

**ICN showers and
Tub/Showers
Intermediate Care Needs**

National Bathing Products offers a full line of ICN showers and tub/showers designed with comfort and practicality in mind. The two models shown are constructed with full blocking and commonly ordered optional grab bars.

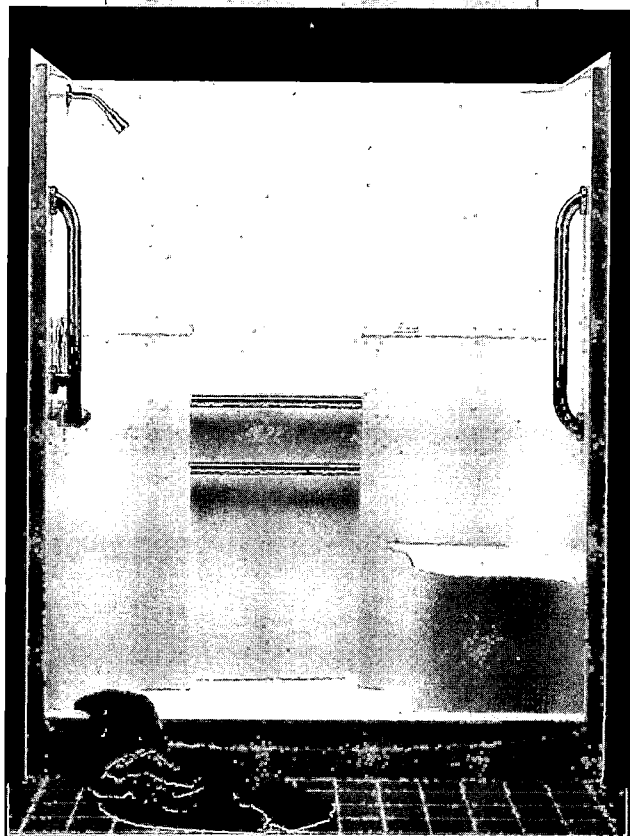
All models are manufactured with fiberglass reinforced filled polyester resin and a gelcoat finish. National Bathing Products are tested and certified by the NAHB Research Center's Testing Laboratory for quality and durability.

For additional information on National's full line of ICN units, contact National Bathing Products or visit our website at www.nationalbath.com.

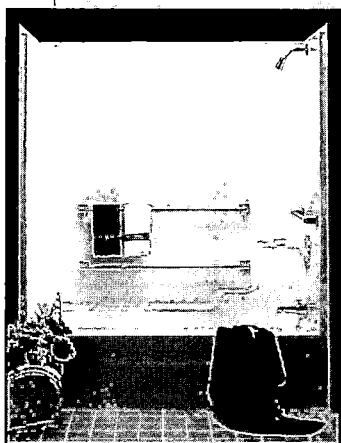
** Bar accessories are optional.*

Available Intermediate Care Needs (ICN) Showers and Tub/Showers include:

47" x 48" x 79"	multipiece shower	470F
48" x 34" x 73"	shower	26R/LF
60" x 32" x 74"	tub/shower	10R/LF
60" x 34" x 74"	shower	27R/LF



27R/LF
left hand shown
60" x 34" x 74"



10R/LF
right hand shown
60" x 32" x 74"



5 Greenwood Avenue
Romeoville, IL 60446-1398

☎ (815) 886-5900

Fax (815) 886-5936
www.nationalbath.com

Exclusively

ADA Luxury Shower Bath Adaptable / Accessible

National Bathing Products is proud to introduce model 45, a multi-piece, luxury tub/shower designed with a vertical style line, tongue and groove wall seam and removable bench seat. This model with an optional White Water Whirlpool™ system is a showpiece for new construction or remodeling.

Adaptable ADA models are constructed with full blocking for future grab bar installation.

Accessible ADA models are constructed with full blocking and installed grab bars compliant with ADA.

All models are manufactured with fiberglass reinforced filled polyester resin with a gelcoat finish. National Bathing Products are tested and certified by the NAHB Research Center's Testing Laboratory for quality and durability.

** Bar accessories are optional.*

Available Luxury Shower Bath Models include:

60" x 36" x 79"	multipiece	45R/LF
60" x 36" x 79"	one-piece	15R/LF
60" x 43" x 79"	one-oiece	16R/LF



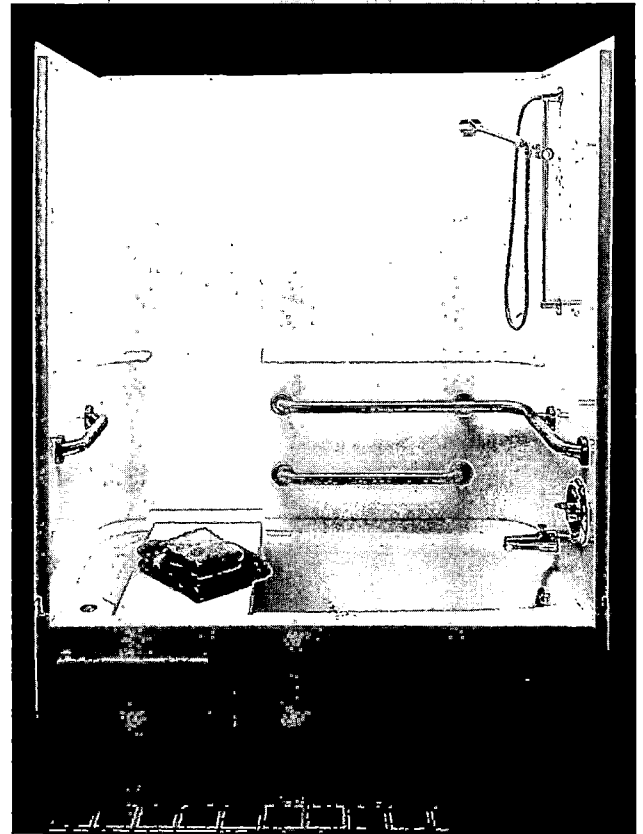
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Romeoville, IL 60446-1398

☎ (815) 886-5900

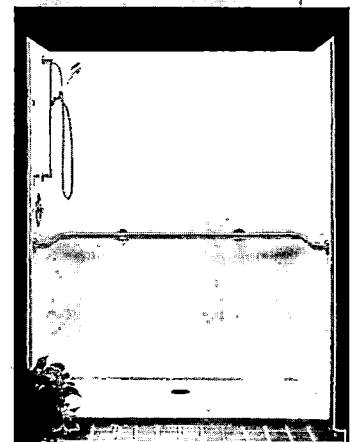
Fax (815) 886-5936

www.nationalbath.com

NATIONAL



45R/LF
Multi-piece
right hand shown
60" x 36" x 79"



820F
one-piece
62 x 35 x 78

460F
multi-piece **
60 x 35 x 78

NATIONAL

Uniquely

ICN Shower/Sitz Bath Intermediate Care Needs

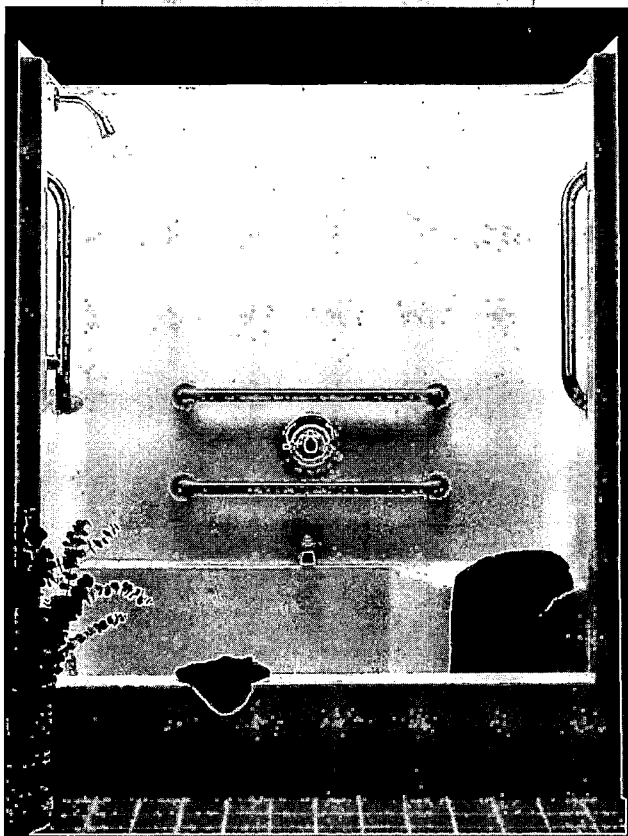
National Bathing Products offers a unique combination Shower/Sitz Bath. These bathing fixtures provide the convenience of a shower with the therapeutic benefits of a Sitz Bath. These models feature a molded seat and 12" high dam for ease of entry and exit, and full blocking for commonly ordered optional grab bars.

All models are manufactured with fiberglass reinforced filled polyester resin with a gelcoat finish. National Bathing Products are tested and certified by the NAHB Research Center's Testing Laboratory for quality and durability.

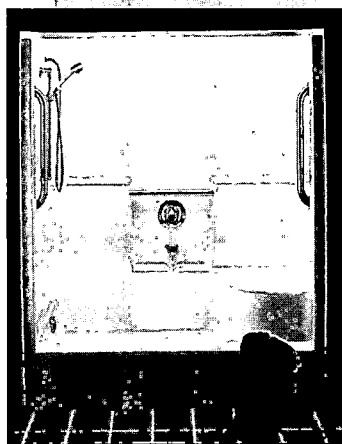
** Bar accessories are optional.*

Available Intermediate Care Needs (ICN) Products include:

60" x 34" x 75"	sitz bath	87R/LF
60" x 34" x 75"	sitz bath	89R/LF



87R/LF Flat Wall
Shower/Sitz Bath
left hand shown
60" x 34" x 74"



89R/LF Integral Bar
Shower/Sitz Bath
left hand shown
60" x 32" x 74"



5 Greenwood Avenue
Romeoville, IL 60446-1398

☎ (815) 886-5900

Fax (815) 886-5936
www.nationalbath.com

Distinctively

ADA Showers Adaptable/Accessible

National Bathing Products offers a full line of shower modules, dimensionally and structurally compliant with ADA.

Multi-Piece shower models are constructed with a vertical style line, tongue and groove wall seam.

Available ADA compliant showers include:

38" x 38"	multi-piece	480F
38" x 38"	one-piece	810F
50" x 50"	one-piece	850F
62" x 34"	multi-piece	460F
62" x 34"	one-piece	820F

Adaptable ADA models are constructed with full blocking for future grab bar and seat installation.

Accessible ADA models are constructed with full blocking and installed grab bars 45R/LF
Multi-piece
right hand shown
60" x 36" x 74"

All models are manufactured with fiberglass reinforced filled polyester resin with a gelcoat finish. National Bathing Products are tested and certified by the NAHB Research Center's Testing Laboratory for quality and durability.

**Bar and seat accessories are optional.*

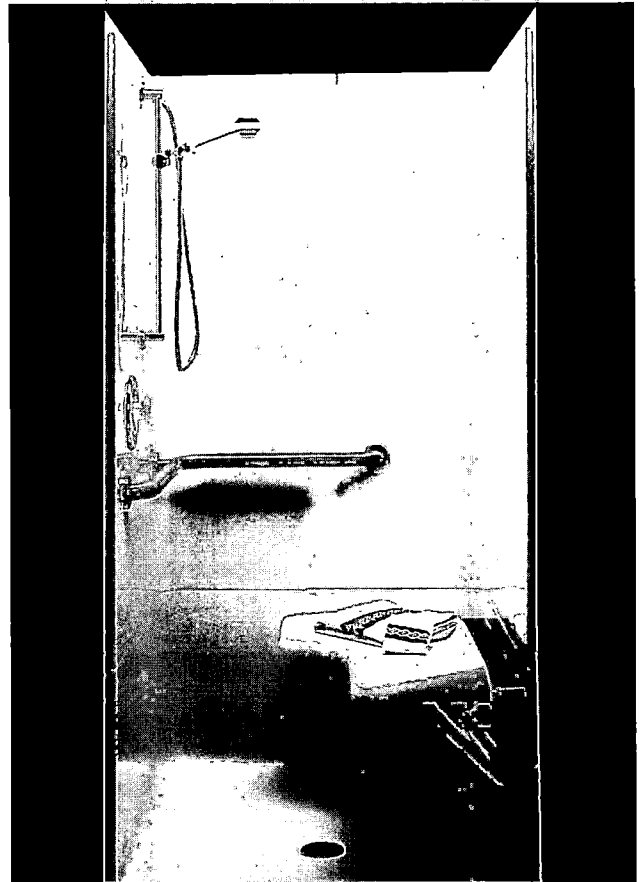


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Romeoville, IL 60446-1398

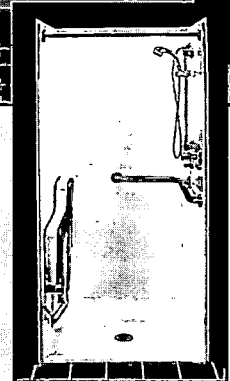
☎ (815) 886-5900

Fax (815) 886-5936
www.nationalbath.com

NATIONAL



850F
one-piece
50" x 50" x 78"



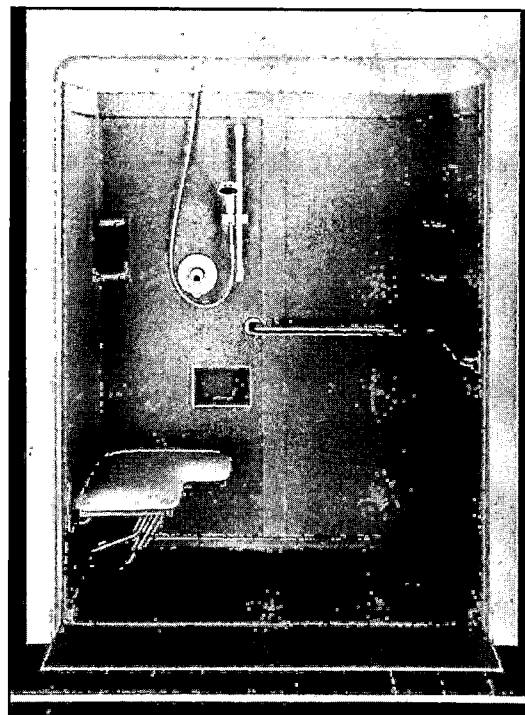
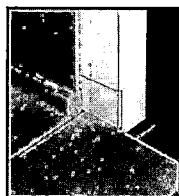
810F
one-piece
38" x 38" x 78"

SWAN OFFERS ADA ACCESSIBILITY PRODUCTS

Swanstone Barrier Free Shower With Ramp

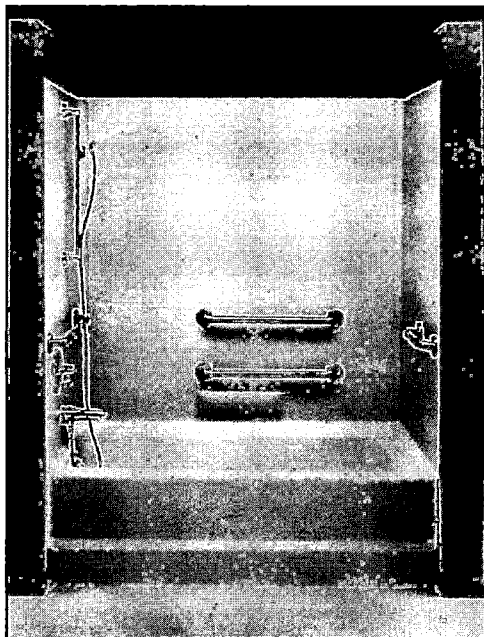
This ADA designed product meets January 1992 specifications of the "Americans with Disabilities Act" which prohibits discrimination on the basis of disability by private firms in places of public accommodation. Manufactured from solid Swanstone, these products feature unique non-porous material construction that is crack, stain, and impact resistant. Able to withstand high abuse, the Swanstone floor and wall panels reduce maintenance and cleaning labor cost. Available in a left or right hand drain, the Swanstone shower floor matches existing 30" x 60" tub sizes for retrofit installation. A special Swanstone ramp eliminates the need to raise the height of the entire bathroom floor. Folding seat and grab bars in picture also now available from Swan.

BF-3060	Shower Floor
BF-1260	Ramp
BF-2600	Folding Seat
BF-2448	Grab Bar

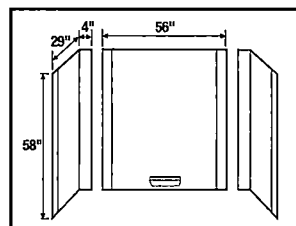


SWAN FIBERGLASS TUBWALL HA-58

Designed to Allow For Compliance With ADA Accessibility Guidelines for Grab Bar Installation



This three-piece Tubwall system from Swan is designed to allow for compliance with ADA accessibility guidelines for grab bar installation. The high-gloss molded fiberglass unit is adjustable to fit all standard tub sizes, and the over-lapping seams and soap dish do not interfere with the minimum required distances between the wall and the inside of the grab bar. An ideal choice when the installation of handicap grab bar is an issue. The panels have a smooth, tough polyurethane finish for easy cleaning and no corner seams or edge molding to collect dirt.



The Swan Corporation

One City Centre
St. Louis, MO 63101

☎ (314) 231-8148

www.theswancorp.com

Tub•Master

BARRIER FREE BASE & WALL SYSTEMS

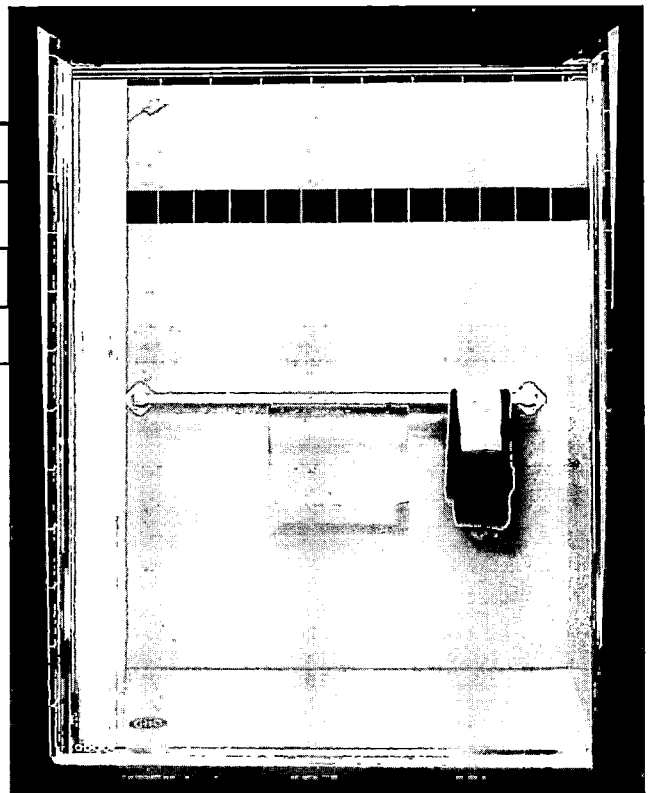
BARRIER FREE FOLDING DOORS

ADA COMPLIANT GRAB BARS

HAND SHOWER/ GRAB BAR SETS

Tub-Master offers barrier free and accessible bathroom products custom-designed to suit the special needs of consumers and meet the challenges of changing lifestyles. Tub-Master products can ideally conform to virtually any bathroom shower or tub setting.

With a complete line of bathroom accessibility products, Tub-Master offers customers convenience and safety with an affordable, aesthetic, and functional appeal.

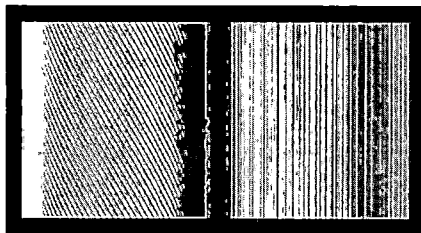


SPECIAL FEATURES GRAB BARS & DOORS

Coordinating Color Options	<i>White, Almond, Gray, Green (bars) White, Almond, Crystal Silver, Crystal Gold (doors) Custom Color Hinge and Frame Selection</i>
Distinctive Designs	<i>Diamond or Round Bracket Covers (Flanges) Flexible Barrier Free Water Tracks Adaptable Custom-Designed Folding Doors</i>
Easy Installation	<i>Shipped Ready to Put Together Includes Simple "How-To" Instructions</i>

The newly developed MASTER SYSTEM, a *4-piece fiberglass base & wall system* was designed specifically in mind as an economical alternative to costly "Tub-to-Shower" conversions. Use Tub-Master's Barrier Free Water Dam and "FBS" Door for the perfect fit to keep the water in and eliminate wet, slippery floors.

ADA-Compliant Safety Grab Bars

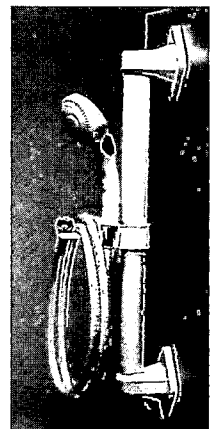


1.

2.

- 1. Knurled** - smoothly textured surface for maximum grip.
- 2. Standard** - textured with a ribbed, linear surface for safety assurance.
- 3. Hand Shower Set** - push button, 84" hose, 1 1/2" sliding bracket for open/closed hand access

3.



Tub-Master, L.C.
413 Virginia Drive, Orlando, FL 32803

Phone: (407) 898-2881

Toll-Free Fax: 800-327-1911

Web: www.tub-master.com

E-mail: info@tub-master.com



48-inch Shower Door-white finish with cloud pattern. Model # 7061-48W

STERLING PLUMBING'S

FreeStyle™ The Trackless Shower Door System

The revolutionary FreeStyle™ Door System is a concept that challenges our perceptions of what shower doors can do. Slide the doors back, swing them out, or swing them inward. *Total Access* is now available to you, placing every inch of your bath easily within reach.

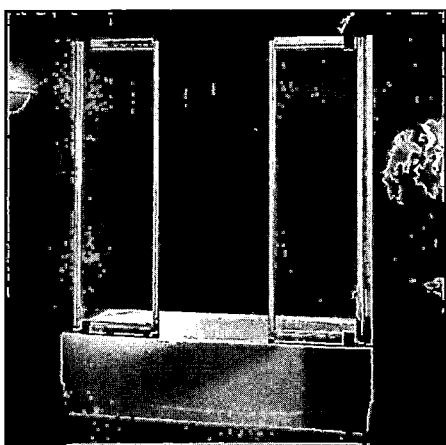
FreeStyle™ is *totally trackless*. No top track to interfere with shower entry or exit. And no unsightly bottom track to collect water, mildew, and bacteria. Trackless allows a cleaner and more usable bath and shower environment for you and your family. FreeStyle™ is safe and conveniently accessible for people of all ages.

The patented lift and seal feature gently lifts the door as it is opened and automatically lowers it to a waterproof seal when closed.

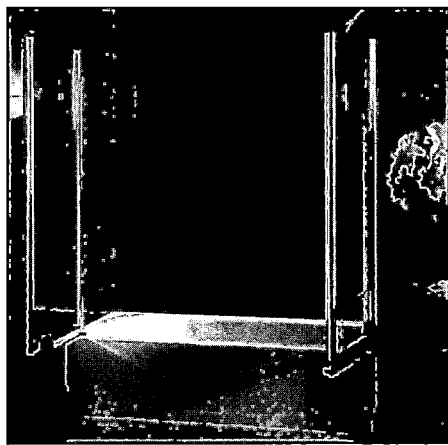
Unlike regular shower doors, FreeStyle™ magnetic catches run the total length of the door. This quality feature results in a watertight seal.

The FreeStyle™ door is available in a variety of applications including a 5-foot tub door, and 4-foot, or 3-foot shower doors. Available in clear glass or cloud pattern, the FreeStyle™ door complements many decors and is offered in either silver, white, or polished brass finish. Tempered safety glass and durable corrosion resistant components are standard features of Sterling's entire tub/shower product line offering.

In addition to tub/shower doors, Sterling manufactures faucets, stainless steel and composite kitchen sinks, and VIKRELL™ and vitreous china bathing fixtures.



Doors slide (side-to-side)



Doors swing out



Doors swing in to "disappear"

For maximum door performance, professional installation is recommended.

Sterling Plumbing

2900 Golf Road
Rolling Meadows, IL 60008

☎ (800) STERLING that's (800) 783-7546

www.sterlingplumbing.com



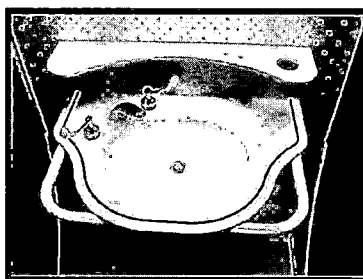
Ideas To Make Life Easy.™



Sure-Grip®

Accessible Wall-Mount Vanity Model#A-3022GB

- DuPont Corian® solid surface material
- Integrated Grab Bar / Mounting Bar
- Bright, clean aesthetic
- Hygienic, virtually impervious to bacteria
- Integrated wash cup, toothbrush & soap holders
- Edge identifying decorative inlay comes in a variety of colors
- Thermoformed, one piece apron adds design elegance
- Easy three-piece installation saves labor
- Ideal for Institutional or Assisted Living Facilities, new construction or renovation
- Renewability means low life-cycle costs
- Accepts either a china undermount or DuPont Corian® vanity bowl
- Offered in a variety of sink, deck, apron and faucet options
- One year product warranty



ALPS Technologies, Inc.

500 Memorial Drive, Suite 1
Somerset, New Jersey 08873

Phone: (800) 817-8763

Fax: (732) 764-0610

E-mail Sales Inquiries:

sales@alpstech.com

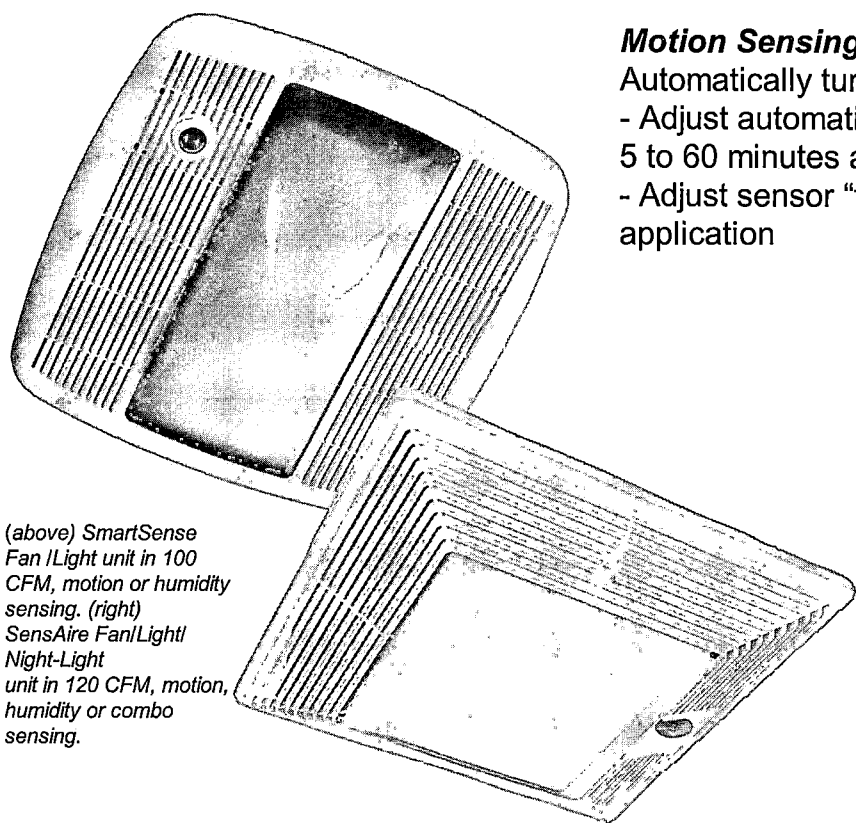
Specifications may change without notice.



NuTone®

Automatic Ventilation

Enjoy the simplicity, luxury and convenience of "hands-free" bath fan operation, thanks to both Broan and NuTone's innovative use of sensors. The SensAire™ and SmartSense™ Series of automatic ventilation includes three sensing control options:



(above) SmartSense Fan/ILight unit in 100 CFM, motion or humidity sensing. (right) SensAire Fan/ILight/Night-Light unit in 120 CFM, motion, humidity or combo sensing.

Motion Sensing -

Automatically turns on when you enter the room.

- Adjust automatic shut off time anywhere from 5 to 60 minutes after motion stops.
- Adjust sensor "field view" to match specific application

Humidity Sensing -

Detects rapid increases in humidity brought on by the bath or shower and turns on fan automatically.

- Adjust automatic shut off time, anywhere from 5 to 60 minutes
- Automatically helps prevent cosmetic and structural problems associated with mold and mildew.

Sensor Technology		Motion	Humidity	Both
Fan Units				
SensAire	90 CFM / 2.5 Sones	MS90	HS90	
SmartSense	110 CFM / 3.0 Sones		QT110H	
Fan/Light Units				
SensAire	130 CFM / 3.5 Sones	MS130	HS130	
SmartSense	100 CFM / 3.5 Sones	QT100LM	QT100LH	QT100LHM
Fan/Light/Night-Light Units				
SensAire	120 CFM / 3.5 Sones	MS120L	HS120L	MHS120L

Motion & Humidity Sensing -

Top-of-the-line unit. Motion sensor controls the light while humidity sensor controls the fan. It's the ultimate in automatic convenience and user-friendly operation.



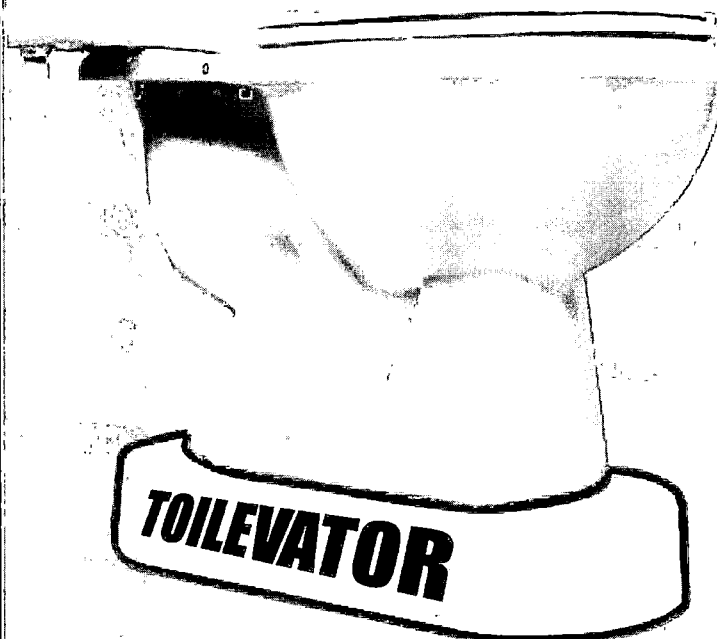
BROAN·NuTONE™
A N O R T E K C O M P A N Y

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**THE HOTTEST
NEW ACCESSIBLE
BUILDING PRODUCT
AVAILABLE.
Order today!**

TOILEVATOR

**Finally an economically intelligent
way to raise a toilet!**



**TOILEVATOR converts
an existing standard
toilet to comply with
ADA at a fraction of
the cost of a new toilet.**

- *Stability*
- *Cleanliness*
- *Personal Dignity*

- * Easy to install
- * Universal fit
- * Complies with ADA and building codes
- * Supports 500 lbs
- * Toilevator Kit includes all components
necessary for installation

**Install it!
Forget it!**

**Toll-Free 1-888-726-4646 for a
distributor near you!**

**Visit us on the internet at:
www.lcmdistribution.com**



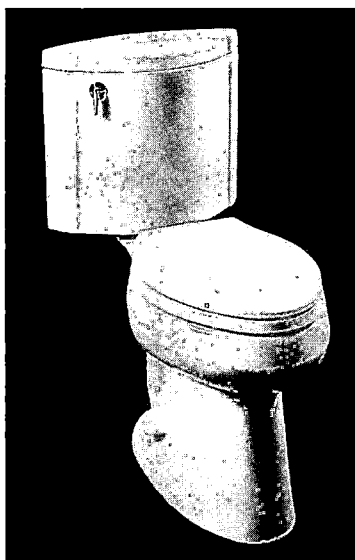
KOHLER® Comfort Height™ Toilets – comfort, performance and style.

KOHLER Comfort Height is now available on one- and two-piece toilets. They offer a comfortable sitting height for people of all ages and statures.

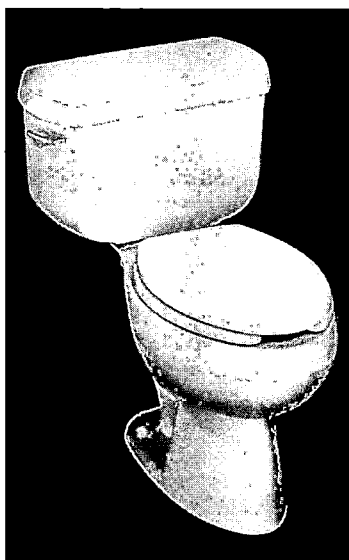
- Gravity-fed siphon-jet flush pulls waste from the bowl and enhances drainline carry
- 11" x 9" water surface keeps waste suspended and bowl clean
- 2" glazed trapway ensures complete waste removal
- Compact elongated bowl occupies the same space as a round-front bowl
- Seat height is the same as a standard chair
- Elegant styles to complement any decor



Highline Comfort Height Two-piece Toilet (K-3427-RA is 29" x 19 5/8" x 30") features right-hand trip lever. Highline Toilet with left-hand trip lever also available.



Folio Comfort Height Two-piece Toilet (K-3445 is 29" x 18 1/2" x 32") combines the practicality of the chair height comfort with the style of the Folio Suite.



Highline Pressure Lite Two-piece Toilet (K-3544 is 32" x 20 3/4" x 30 3/4"). 17 1/2" high bowl accommodates persons with special needs.

THE BOLD LOOK
OF **KOHLER®**

Kohler Co.
Kohler, WI 53044
(800) 4-KOHLER
kohlerco.com



Gabrielle Comfort Height™ One-piece Toilet (K-3322 is 28" x 18 5/8" x 27 1/2") is also available with right-hand trip lever. Compact elongated bowl occupies same space as round front bowl.



Couture Comfort Height Two-piece Toilet (K-3477 is 29 1/8" x 17 7/8" x 30 5/8").



Portrait Comfort Height One-piece Toilet (K-3357 is 27 3/4" x 20 1/2" x 28 1/8"). Compact elongated bowl occupies same space as round-front bowl.

* Height with flush actuator extended is 32 5/8".



Memoirs Comfort Height Toilet – Stately Style (K-3453 is 27 3/4" x 18 1/4" x 28 1/8"). Compact elongated bowl occupies same space as round-front bowl.



Memoirs Comfort Height Toilet – Classic Style (K-3451 is 27 3/4" x 17 1/2" x 28 3/8").

THE BOLD LOOK
OF **KOHLER**®

Kohler Co.
Kohler, WI 53044
(800) 4-KOHLER
kohlerco.com

KOHLER® – the innovative leader in lavatory design.

No one offers more lavatory styles in a wider array of colors and sizes than Kohler. Along with traditional lavatory styles, Kohler is the pioneering leader in lavatory technology.

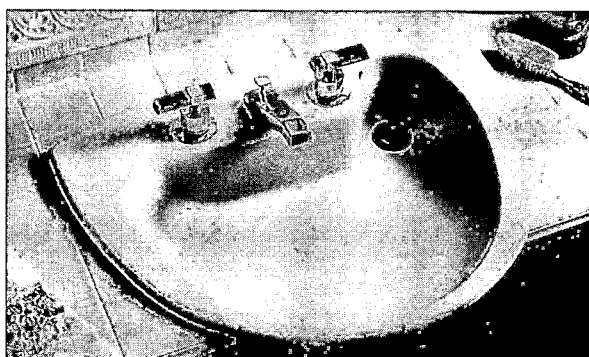
You can rely on Kohler as your complete source for one-stop lavatory shopping. Within the extensive KOHLER selection you will find models:

- Made from every type of quality material and innovative new ones
- With unique textured finishes
- With functional design features

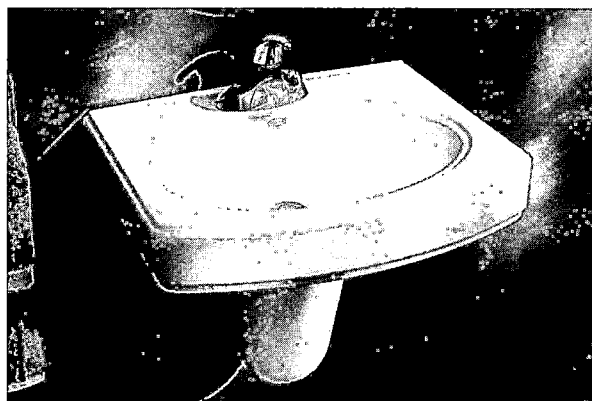
The KOHLER lavatories shown here comply with The Americans With Disabilities Act when installed per the requirements of the Accessibility Guidelines, Section 4.19 Lavatories and Mirrors, of the Act.



Interlude™ Barrier-Free Self-rimming Lavatory (K-2094-4) with Touchless™ faucet, designed to allow full wheelchair accessibility.



Invitation™ Barrier-Free Overhang Lavatory (K-2098-8) with Alterna™ faucet features 3" lavatory overhang at front of counter to enhance accessibility.



Pinoir™ Wall-mount Lavatory with shroud (K-2035-4) and Coralais™ faucet offers wheelchair accessibility when rim is installed 34" above the floor.



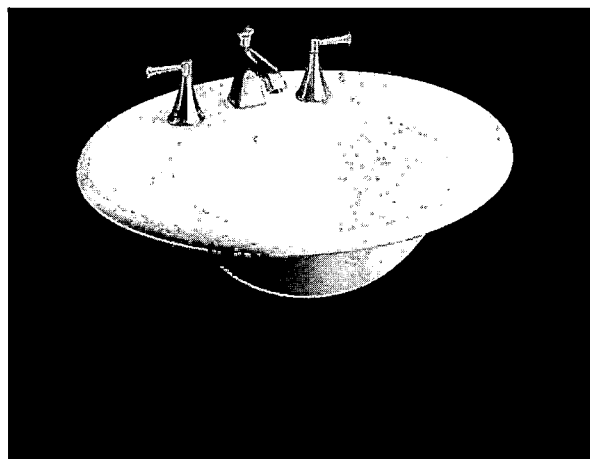
Kohler Cast Iron material in a beautiful shape.
Dolce Vita™ Self-rimming Lavatory (K-2815) with Revival faucet.

THE BOLD LOOK
OF **KOHLER®**

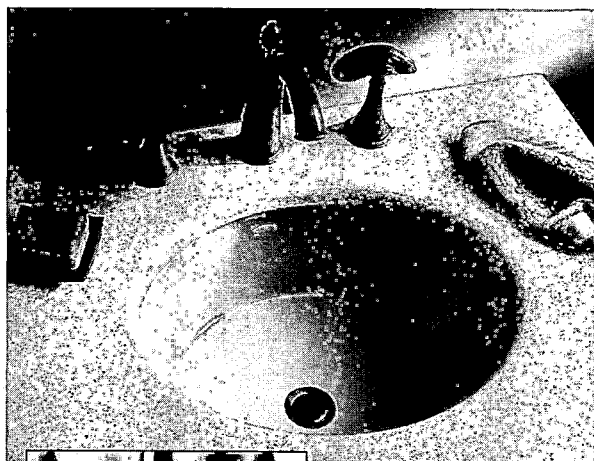
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Kohler, WI 53044
(800) 4-KOHLER
kohlerco.com



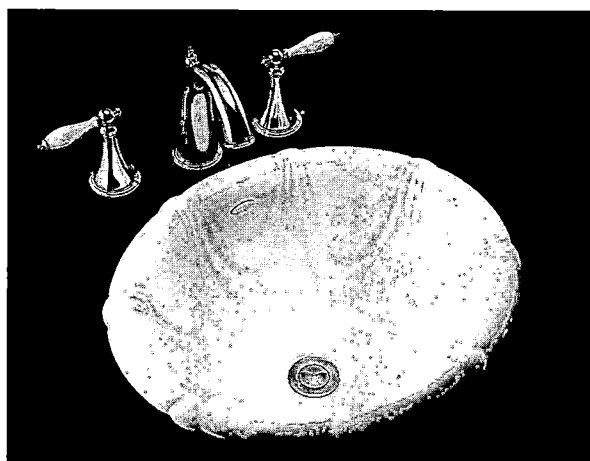
Spun Glass™ Vessels Lavatory (K-2276 17 1/2" diameter) in self-rimming installation with Falling Water faucet.



Iron Works™ Wall-mount Lavatory (K-2822-8B is 24" x 23") and Memoirs faucet with classic design. This cast iron lavatory with painted underside can be installed on a pedestal or console table.



Iron Flute™ Undercounter Lavatory (K-2816-P is 16 1/4" x 13 1/4") with Finial Avian faucet. This cast iron lavatory with painted underside can also be installed tile-in. It features a fluted exterior resembling starched pleats.



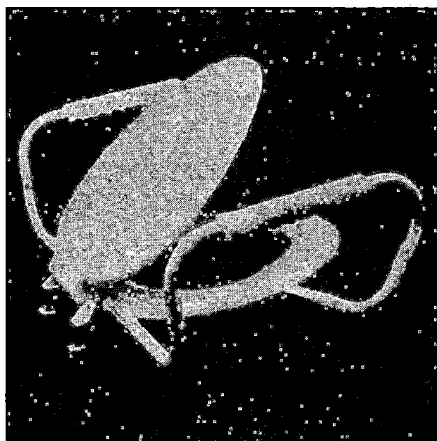
Chenille™ Self-rimming Lavatory (K-2184 is 17 3/8" x 15") with Finial faucet.

THE BOLD LOOK
OF **KOHLER**®

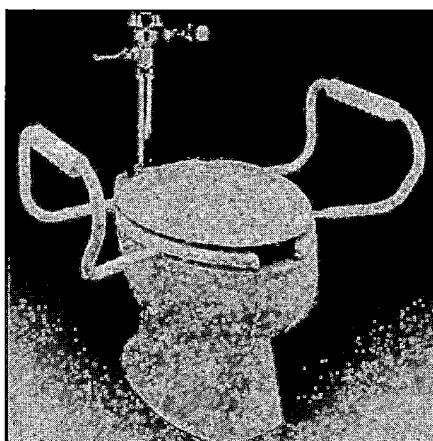
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kohlerco.com



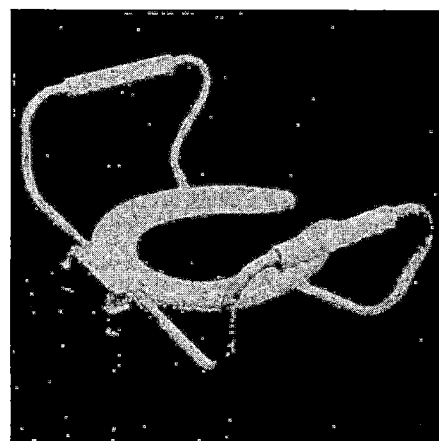
"UNIVERSAL" SHELTERING ARMS™



SA500 Elongated ("Universal" Sheltering Arms® assembled with closed front seat with cover)

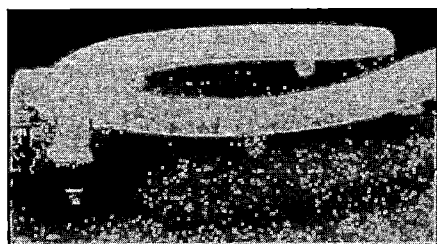


SA501 Elongated ("Universal" Sheltering Arms® assembled with open front seat with cover)

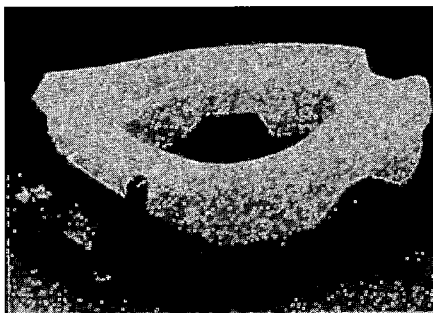


SA507 Elongated ("Universal" Sheltering Arms® assembled with open front seat less cover)

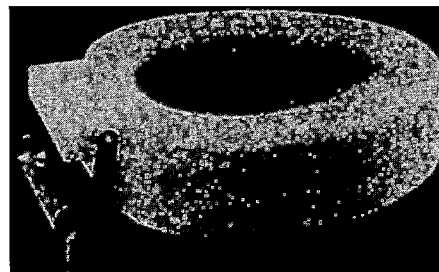
SAMARITAN® LIFTS



SA502 Elongated
(2" Lift/Seat open front less cover)



SA503 Elongated
(3 7/8" Samaritan® Lift/Seat less cover)



SA504 Elongated
(4 1/2" closed front Samaritan® lift)

Sani-Med® offers a complete line of bathroom seats for the physically disabled, handicapped and elderly. All products are constructed of heavy chemical resistant plastic for residential, institutional, and commercial applications. The lift blocks assist in meeting 17" and 19" ADA height requirements. All mounting hardware is heavy gauge stainless steel for long life.

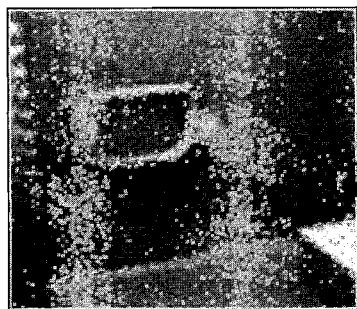
SANI-MED®, A Division of Sanderson Plumbing Products Inc
(662) 328-4000
P.O. Box 1367, Columbus, MS 39705

Extend A Hand

Helping to make life a little easier.



Extend A Hand is closer to your reach allowing you to pull yourself up with both hands.



Benefit List Home End-User

- Lessen Chance of falls
- Added Safety beyond the conventional grab bar
 - Ergonomic Feel
- Lower cost to install
- Closer to your reach

MADE IN



3 Year Warranty
30 daysatisfaction

Getting into a conventional bathtub or on and off the camode you may be facing a danger of falling. EAH can give you added safety for maneuvering. For example a conventional bathtub has a 16 high obstacle that you must maneuver over first. You may be assisting yourself today by grabbing the fixtures when entering. If you mount EAH on a wall, you will have a safety product to help you maneuver safely. You also have a tool to lower yourself on and off a shower seat, if needed. Because you have spent very little money in converting your bathroom, shouldn't you consider Extend A Hand for other area s of your life.

Simply lift, unit will automatically lock into position. When done push button to lower.

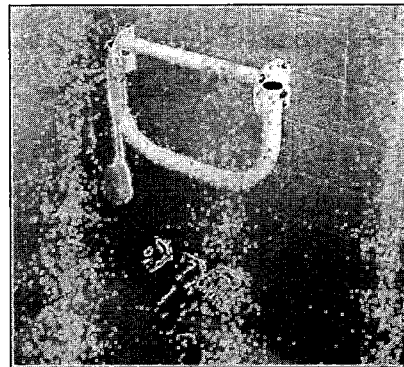
3 Sizes to choose from, powder coated or all Stainless Steel.

Tested by NAHB Research Center to be compliant to ANSI A117.1 and Bathroom Safety Devise Standards.

SARFF SYSTEMS, INC.
3519 N Eden Rd #B
Spokane, WA 99216
877/398-3635 or
www.extendahand.com



Extend A Hand allows you to lower yourself down with greater safety.



Benefit List Assisted Living Facility

- Added Residents
 - Independence
 - Renewed Dignity
- Keeps your rooms occupied
- Lower L&I claims by staff members

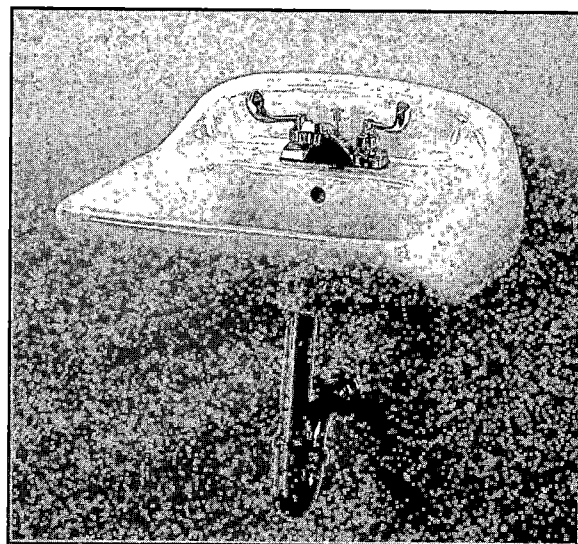


STERLING PLUMBING'S ACCESSIBLE BATHROOM FIXTURES

Worthington™ Vitreous China Barrier-Free, Wall-Hung Lavatory

Modernizing or upgrading a bathroom to meet ADA requirements for wheelchair access is easy with Sterling's wall hung lavatory. Heavy-gauge hangers ensure strong support, and the scratch-resistant surface is non-absorbent so color and gloss will not fade.

Available for either a 4" faucet centerset Model 442034 or 8" widespread Model 442038.



Worthington™ Lavatory



Windham Toilet

Windham and Riverton™ Low-Consumption, ADA Compliant Toilets

Water conservation, easy installation, and quality materials combine in the clean lines of this toilet. A three-bolt quick connect installation system makes it easy to level and secure to the tank. When the unit is completely installed, the 16-1/2" height meets ADA requirements for accessibility. And the scratch-and chemical-resistant, glass-like surface is non-absorbent for easy, thorough cleaning.

Model 402315-Windham Model 402532-Riverton™
(not shown).

In addition to vitreous china, Sterling manufactures faucets, stainless steel and composite kitchen sinks, VIKRELL™ bathing fixtures and tub/shower doors.

Sterling Plumbing

2900 Golf Road
Rolling Meadows, IL 60008

☎ (800) STERLING that's (800) 783-7546

www.sterlingplumbing.com

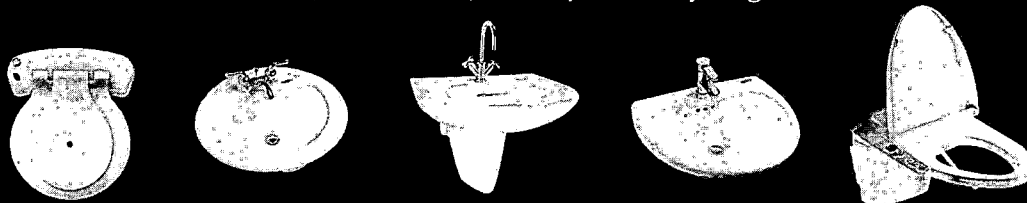


Ideas To Make Life Easy.™



MAKING LIFE MORE ACCESSIBLE WITH STYLE AND PERFORMANCE.

Designed to exceed industry standards, TOTO's ADA-compliant products not only provide your customers with outstanding performance, but are stylish and sophisticated, as well. TOTO has a full line of ADA compliant products including the Chloe and the Zoë, TOTO's Washlet seats, which offer the ultimate in personal hygiene and are ideal for the accessible lifestyle. With products like the GMAX flush system, and the revolutionary SanaGloss ceramic, TOTO delivers outstanding innovation, too. From toilets to washlets, seats, and lavatories, TOTO is perfection by design.



TOTO U.S.A., INC. • 1155 Southern Rd., Morrow, GA 30260
Toll Free: 800-350-8686 • Fax: (770) 282-8701
www.totousa.com

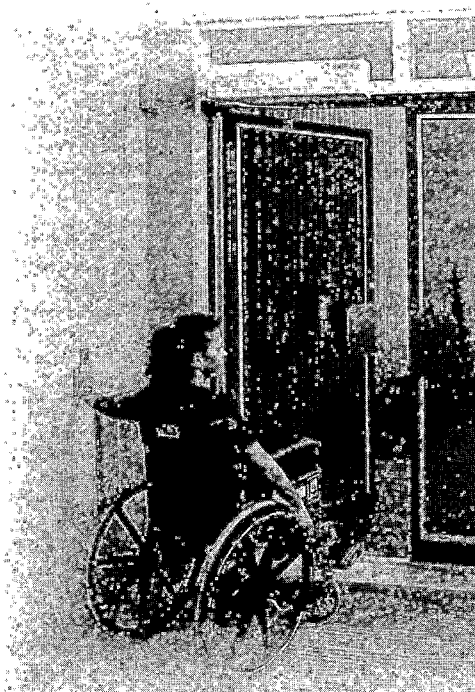
TOTO®
Perfection by Design

©2000 TOTO USA, Inc.

Commander[®]

Automatic Door Opener

Accessibility made easier



Convert new or existing swing doors to automatic operation without modifying existing door frames in residential and commercial settings.

- Works with in-swing and out-swing door configurations
- Equipped with 12V Emergency battery back-up in case of power failure
- Operates four ways:
 - ♦ Hand held remote control (included)
 - ♦ Push button (optional)
 - ♦ "Push and Go"
 - ♦ Manual
- Versatile - can be used on lifts, elevators or any door to provide unassisted entry or exit
- Installs easily and quickly

Use Commander to make accessibility easier for those who need it.

For more information on Commander call 1-800-661-5112 or visit our website: www.concordelevator.com

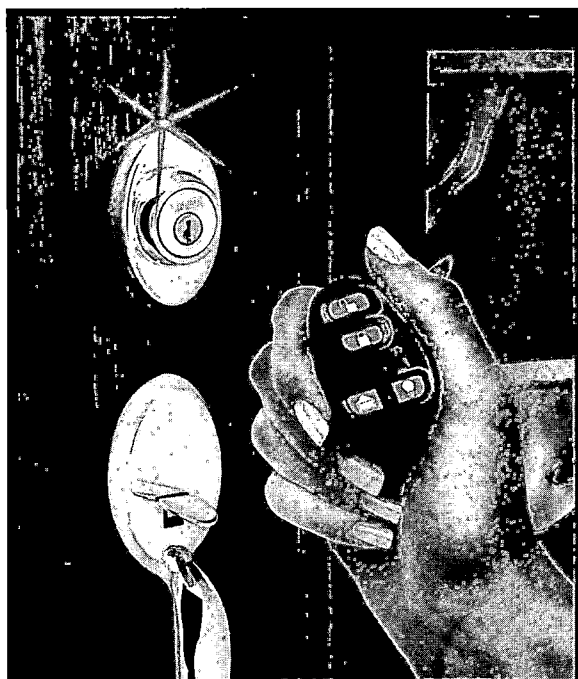
CONCORD[®]

Innovation in Mobility

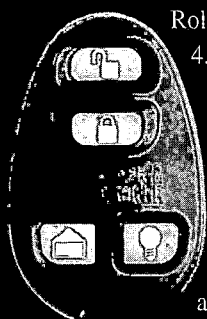
Concord Elevator Inc.

107 Alfred Kuehne Blvd. Brampton,
Ontario L6T 4K3

Kwikset®



TITAN's Keyless Entry System provides the most advanced home security available. Anti-theft



Rolling Code Security offers over 4.3 billion access combinations.

Access code automatically changes with each use, never using the same code twice making code grabbers useless.

Features audible and visual confirmation of lockset activation—Red it's locked/Green it's unlocked. Separate lock and

unlock buttons ensure correct operation.

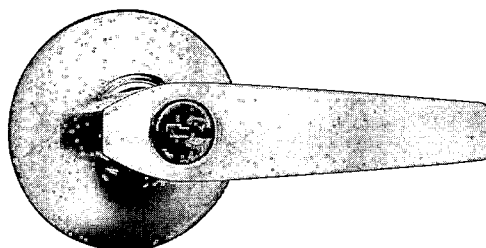
LockMinder™ interior indicator light lets you know that your door is locked from across the room.

Now Available! **Wireless Keypad Control**
Operates door locks and interior lighting

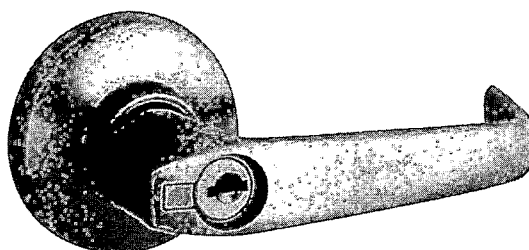
Kwikset

TITAN®

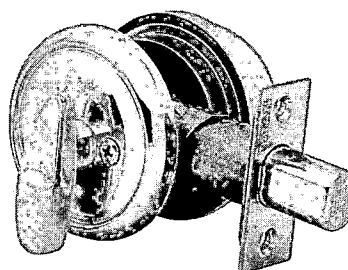
Offering a wide selection of door hardware which meets standard ADA requirements.



Kwikset's new Delta Key-in-Lever is beautifully designed, exquisitely finished, and will enhance any home with stylish detail. The Delta offers a clean, streamlined design, and fits a whole range of decorating styles, from traditional to ranch to contemporary. The patented ergonomic design allows for more hand grip area.



Thanks to its clean, simple lines, TITAN's Republic is at home on a wide range of buildings, yet it offers a unique signature that's functional as well as attractive. High security, 6-pin, front removable cylinder combines peace of mind and convenience. Equipped with an extra large interior turnpiece. Meets ADA requirements.



Its premium-quality, tight-fitting, solid construction makes TITAN deadbolts the best residential security on the market. The TITAN deadbolts feature a high-security, 6-pin cylinder, and a 1" throw deadbolt with hardened steel insert to prevent saw through. An extra large interior turnpiece makes for easier locking and unlocking. Meets ADA requirements. Easy to rekey with front removable cylinder.

Kwikset Corporation 19701 Da Vinci, Lake Forest, CA 92610 Builder Hotline (949) 862-8600

LEVERON® Fits 3 Billion Standard Doorknobs

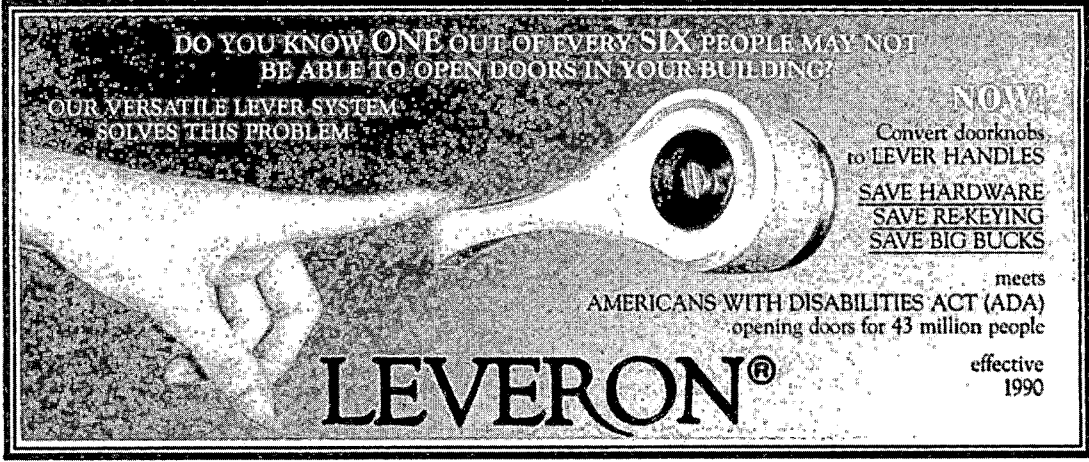
- Approved by: Veterans Administration, TEE-84-036 Arthritis Foundation
- FDA Approved for Hi-Glow per 21 CFR 178.3297
- Made in U.S.A. of High Performance Polymer U.S. Patent #4,397,489
- Colors: Almond, Satin Brass, Silver Metallic, Dark Bronze, Hi-Glow (glows-in-dark), and Red

LEVERON® Converts Existing Doorknobs to Lever Action to Comply with ADA

- Installed quickly without removing doorknob
- One size fits all standard knobsets, right, left, inside, outside
- Engineered resilience to protect knobsets from tough use
- Meets handicapped, fire and safety requirements

LEVERON® features a patented split-ring which opens and rejoins around the neck of the knob, The LEVERON® handle with molded gaskets fits over the knob and is threaded onto the split-ring, then tightened securely with a custom wrench (included). The "invisible" fastening system and resilient construction minimizes theft or damage from vandalism.

ADA Accessibility Guidelines for Buildings and Facilities-ANSI A117.1, 4.13.9 Door Hardware. "Handles, pulls, latches, locks and other operating devices on accessible doors shall have a shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist to operate. Lever-operated mechanisms, push-type mechanisms, and U-shaped handles are acceptable design."



DO YOU KNOW ONE OUT OF EVERY SIX PEOPLE MAY NOT BE ABLE TO OPEN DOORS IN YOUR BUILDING?

OUR VERSATILE LEVER SYSTEM SOLVES THIS PROBLEM.

NOW
Convert doorknobs to LEVER HANDLES
SAVE HARDWARE
SAVE REKEYING
SAVE BIG BUCKS

meets
AMERICANS WITH DISABILITIES ACT (ADA)
opening doors for 43 million people
effective 1990

LEVERON®

LEVERON® standard colors: any combination-one universal size:

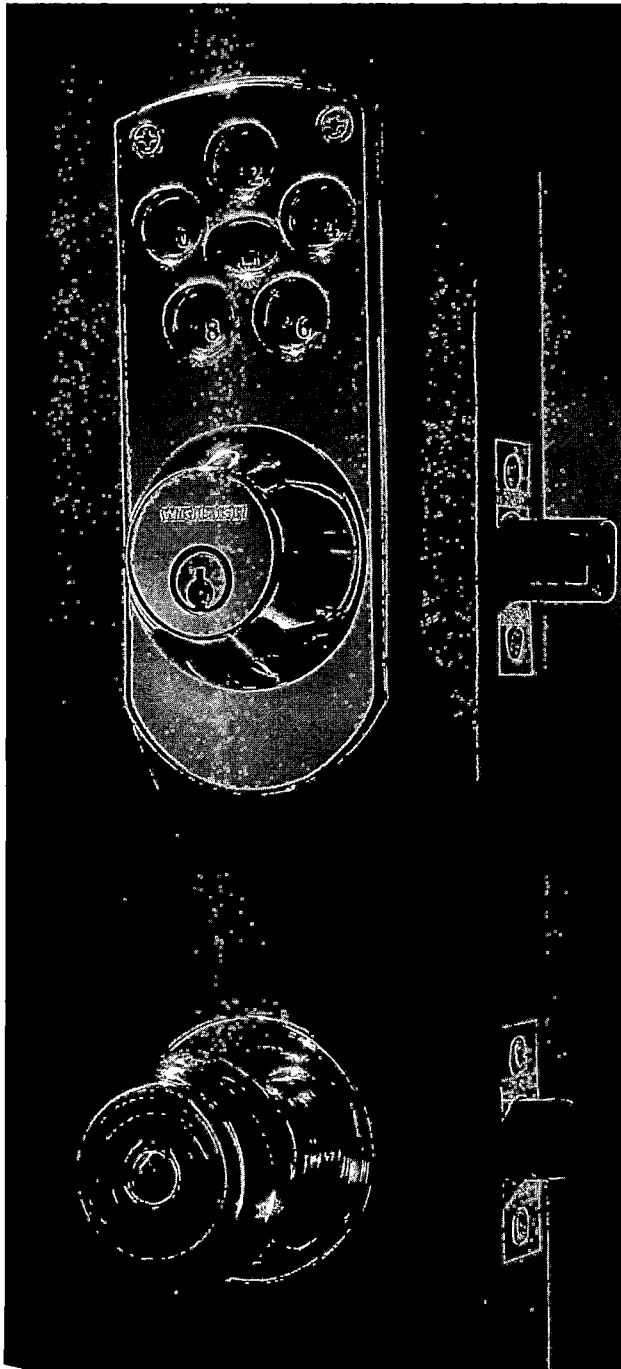
- | | |
|------------------------|------------------------------------|
| ● 0101 Almond | ● 0104 Dark Bronze |
| ● 0102 Satin Brass | ● 0106 Hi-Glow (glows-in-the-dark) |
| ● 0103 Silver Metallic | ● 0109 Cardinal Red |

Lindustries, Inc.

P.O. Box 66295
Auburndale, MA 02466
☎ (781) 237-8177

Powerbolt™

HOME ACCESS SYSTEM



WEISER LOCK®
 3980 North Fraser Way, Burnaby, B.C. Canada
 V5J 5K5 (604) 419-4300

Weiser Lock Powerbolt 1000 is the best Keyless Entry system on the market.

This leading edge electronic lock features ease of access, straightforward operation and an ergonomic design.

It is the perfect answer for a busy family with an active lifestyle.

- It's easy to install
- Easy to program and best of all...
It's secure and easy to use !

Easy to use

- Fast, easy entry during bad weather.
- The easy touch keypad makes entry quick and safe when it's dark from the outside.

Easy to install

- Easily replaces existing door hardware.
- Only requires standard size deadbolt opening for installation.
- Will operate on either a left or right-hand door.
The bolt adjusts for 2 3/8" or 2 3/4" (60 or 70mm) throw - the distance from the deadbolt handle to the edge of the door.
- Will fit door 1 3/8" to 2" (35-50 mm) thick.
- No wiring necessary-uses 4 "AA "batteries
- Battery life about one year, and a low battery warning light is located on the inner trim.
- Powerbolt 1000 is brass finished and comes with a lifetime anti-tarnish guarantee.

Easy to Program

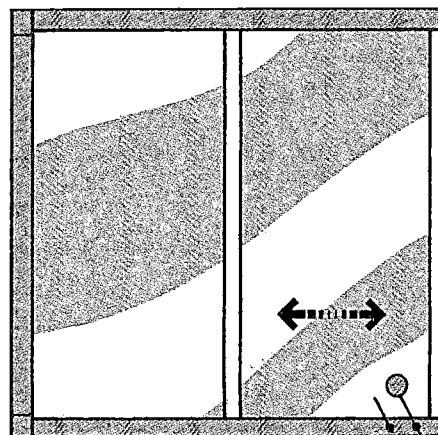
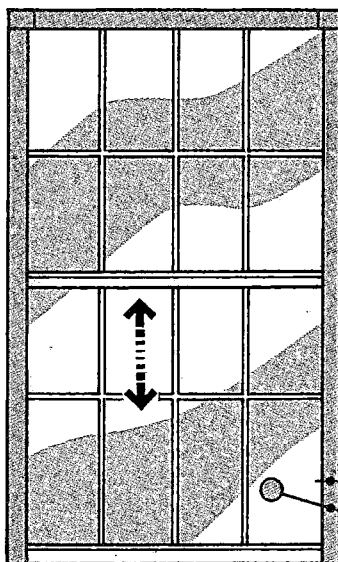
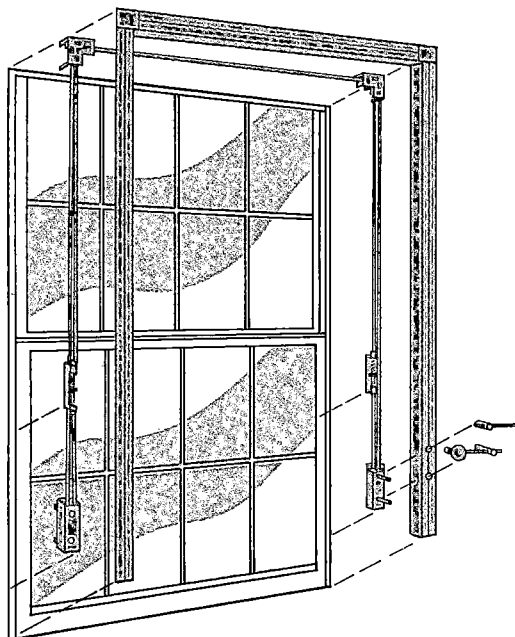
- You choose your own secret personal code consisting of 4 to 8 digits, and can be changed easily, and as often as you desire.

For product details and specifications, call (604) 419-4300 or visit our website at <http://www.weiserlock.com> • <http://www.powerbolt.com>

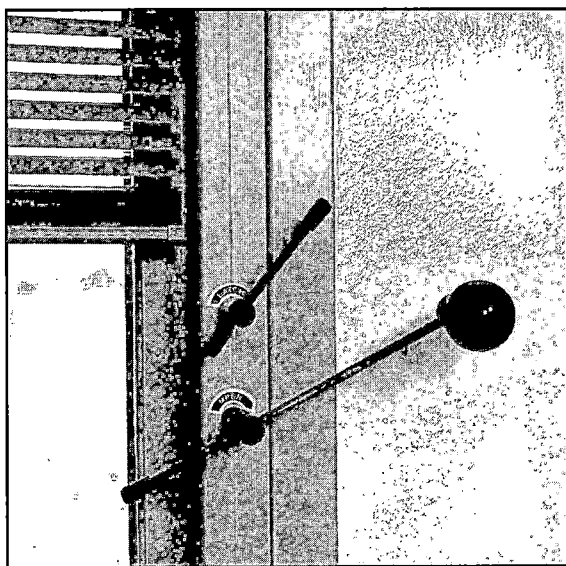


Window Actuators

Windows are hard to open? Latches difficult? Windows don't meet Code requirements for accessible operable windows? There is a solution.



Window Ease™ actuators modify vertical and horizontal sliding windows. Controls can be located on either side of the window (shown are controls located on the right side).



Since 1991 the Window Ease™ actuator has been the preferred choice of industry, facility planners and administrators where accessible operable windows are needed. Window Ease™ provides equal access to ventilation, emergency escape and rescue, as well as, security for the disabled, young, elderly, or anyone of compromised strength or size.

In existing buildings, window replacement may be avoided. In new construction, windows are uniformly specified preserving exterior appearance and allowing the savings of volume window purchasing. Installed, Window Ease™ appears to be an indivisible part of the window. Important to the cost conscious, Window Ease™ can provide "handicap accessibility" to only those windows needing to be accessible or more useable.

There simply is not a window system that operates as effortlessly as a window fitted with Window Ease™. Designed to meet every application, Window Ease™ modifies anyone's vertical hung or horizontal sliding window. Avoid the performance, maintenance and wind damage problems that occur with other claimed "ADA compliant" windows. For over a decade Window Ease™ has provided trouble free ADA compliance. The largest dormitory authority in the world specifies Window Ease™ over all other accessible operable window solutions. Find out why.

Fully ADA accessible
window actuators by
A-SOLUTION, INC.

1332 Lobo Place NE, Albuquerque, NM 87106

☎ (888) 461-0140 • Fax (505) 256-3756

www.windowease.com

Code Compliance: As with any product, always ask for a manufacturer's written guarantee that their product meets requirements. A good test for an accessible operable window is to operate all window controls, including latches, with a tightly balled fist without prying. Contact us for a free summary of all national laws, codes and standards related to accessible and useable operable windows.



Atrium Offers ADA Compliant Casement Windows

Atrium Door & Window Company is proud to offer the fully accessible Model 8500 Vinyl Casement Window.

The single lever, multi-point locking system and easy action dual arm operator make the 8500 Casement the ideal choice for ADA applications. Add to it our oversized ADA Crank Handle and you have a product that meets or exceeds all ADA, UBC, and ANSI 117.1 accessibility requirements.

Combine these features with our special 90° hinges for easy cleaning from the interior, stylish lines with a great street appeal, and a C-40 commercial rating and you've got a window unit suitable for virtually any residential or architectural application.

Along with our ADA compliant casement windows, Atrium offers a full line of fenestration products in vinyl, clad wood, aluminum, and steel. From horizontal sliding and vertically hung windows to steel and wood doors, Atrium has products to meet all your design needs.



Atrium Door & Window Company is a leading supplier of windows and doors for the North American markets, specializing in new construction, retrofit, and commercial and architectural systems.

We are dedicated to assisting our customers in complying with the myriad of code requirements that are so pervasive in our industry. In addition to providing the latest information on all codes for ADA, egress and tempering requirements, our staff of professional sales and engineering personnel are available to assist you with preliminary details, specifications, budget costs, and installation techniques.



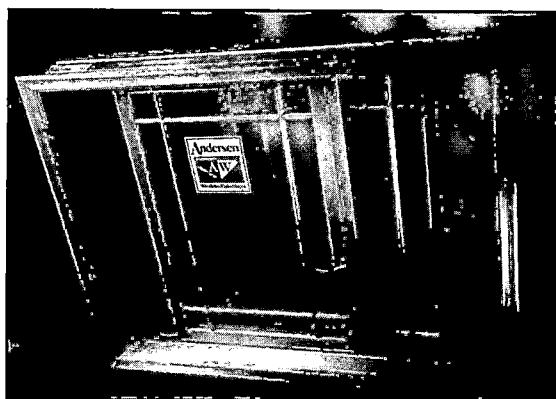
THE ATRIUM
DOOR® & WINDOW
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*...improving your view
of the world.*

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Company of the Rockies**

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(800) 375-5570
Fax (303) 375-1212
www.atrium-rmd.com

ANDERSEN® WINDOWS, PATIO DOORS, AND ACCESSORIES...



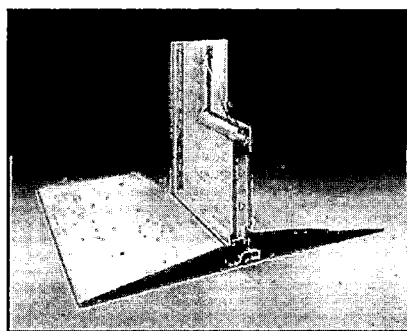
Andersen® Gliding Window

The Andersen® gliding window was designed with usability in mind. Its handle design gives more control with less effort. It also uses off-set hardware on large units for easier operation from a seated position (based on structural header height of 6 feet, 10-1/2 inches) and features an easy to operate multi-point lock. To assist people with impaired vision, the handles come in a variety of finishes including bright red. The window received the prestigious Minnesota Governor's Award for Excellence in the Field of Technology, in recognition of Andersen's advances in the area of accessibility.



Frenchwood® and Perma-Shield® Patio Doors

Andersen provides beauty and functionality with four patio door designs. The Frenchwood® outswing and Frenchwood® inswing doors' unique three point locking system secures top, bottom and center of the door with one easy motion and adjustable hinges with ball bearing pivots provide consistently smooth operation. Perma-Shield® and Frenchwood® gliding doors feature stainless steel tracks and ball bearing rollers for ease of operation, plus a reachout locking mechanism, separate from the door's operating handle makes locking the door easier.



Andersen Ramped Sill Insert

The Andersen ramped sill insert is a convenient accessory for Frenchwood® hinged, Frenchwood® gliding and Perma-Shield® gliding patio doors to provide a smooth easy transition through the door. The inserts are unobtrusive and designed to match the beauty of Andersen® patio doors, often eliminating the need for a custom-built system. The solid oak or maple interiors may be stained to match any décor and its durable extruded aluminium exterior components are prefinished a neutral grey.

For more information and the name of an Andersen dealer near you, contact:

Andersen Windows

100 Fourth Avenue North
Bayport, MN 55003-1096

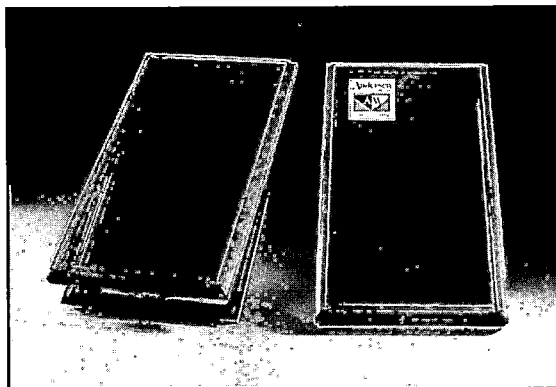
☎ (800) 426-4261, reference #1590



OFFER SPECIAL DESIGN FEATURES

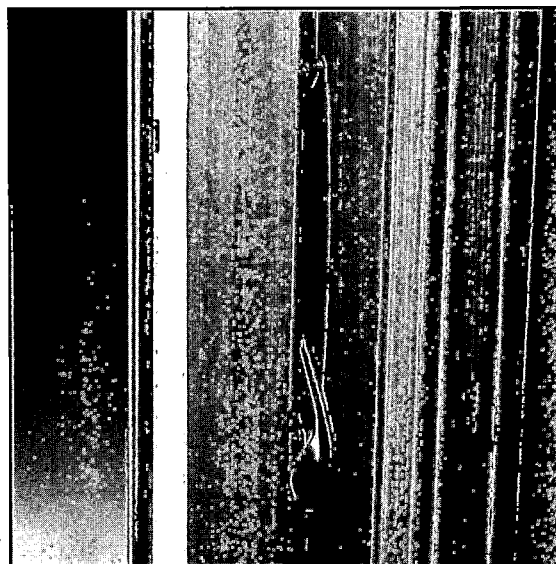
Andersen® Venting Roof and Awning Window

Utilizing a patented, counter-balanced operator, the Andersen venting roof window is designed to be easy to open. When it is within reach, users can crank the unit open with very little effort, thanks to the “spring-assist” of the counter-balance system. For operating ease when the window is out of reach, the Andersen electric window opener offers convenient power operation of awning and roof windows. The Andersen extension pole adjusts from six to ten feet, allowing people to operate hard to reach roof windows and shades.



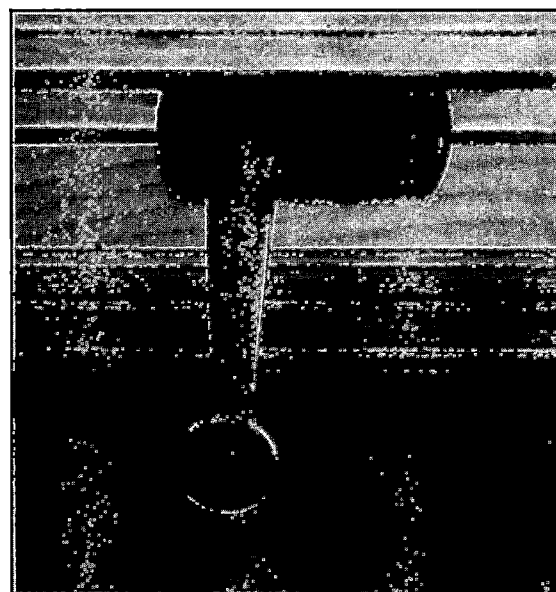
Andersen Casement Window

The Andersen casement window's locking system features a single-lever, tandem lock actuator. Located low on the side of the window, the locking hardware was designed with accessibility in mind. The hardware also blends with the interior trim stops for a clean appearance.



Andersen Easy Grip Handle

The Andersen easy grip handle was designed for those who find the use of traditional crank handles difficult. To develop the handle, Andersen worked with the Center for Applied Gerontology at the University of Birmingham, England. The result was a technologically advanced handle that is better suited for the elderly and people with disabilities.



Andersen prides itself on extensive testing and human factors analysis. The quality and reputation of Andersen products are combined with extra care and thought, making Andersen products an excellent choice for those who use and depend upon assistive technologies.

Andersen windows and patio doors feature beautiful, natural wood interiors, low maintenance Perma-Shield® cladding, and High-Performance™, Low-E double-pane glass that is 35 percent more energy efficient in the winter and 41 percent more efficient in the summer than standard double-pane glass. Andersen casement and tilt-wash double-hung windows allow users to clean the exterior glass from inside the home.

“Andersen”, the AW logo, “Perma-Shield”, “Frenchwood”, and Andersen Corporation are registered trademarks of Andersen Corporation. “High-Performance” is a mark of Andersen Corporation. ©2000. All rights reserved.



WINDOWS & DOORS

 As a manufacturer of accessible window and door products, Pella Corporation is proud to be a sponsor of the 2001 NAHB Research Center's *Directory of Accessible Building Products*.

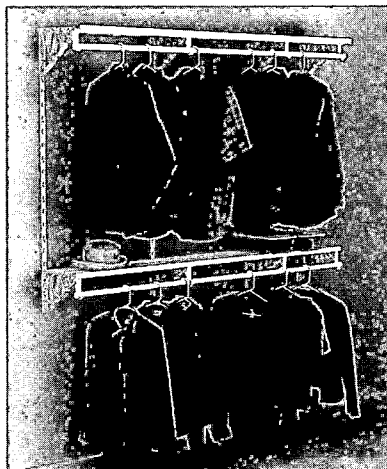
Pella Corporation

102 Main Street
Pella, Iowa 50219

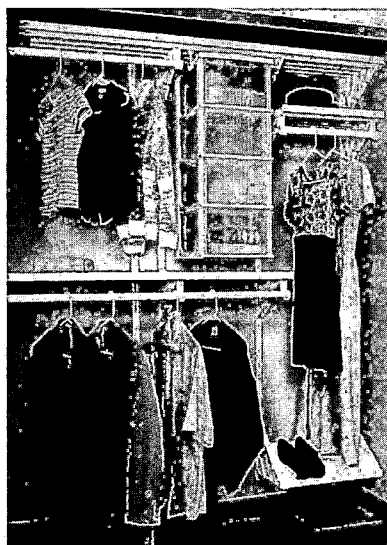
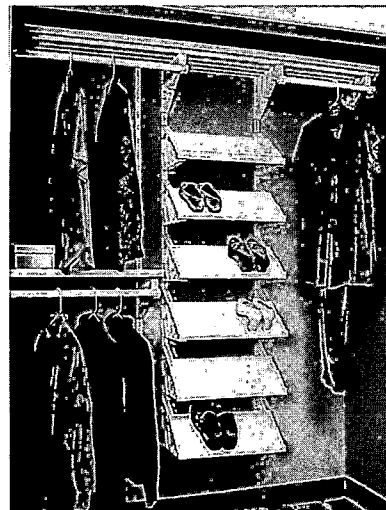
☎ (800) 847-3552

<http://www.pella.com>

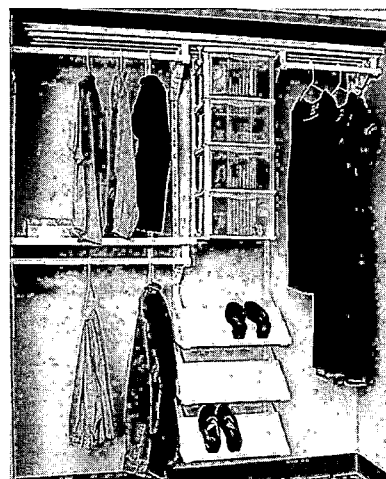
Storage DesignTM the affordable custom storage system



Introducing a new storage system for the senior housing market featuring ADJUSTABLE shelving for the closet - providing the needed flexibility for each resident. The resin shelf supports the needed weight, looks great, and is easy to clean. It is an affordable alternative to wire shelving.



Buyers may add storage to the starter design of adjustable shelving only including bins, sliding drawers, and shoe racks to add more space. These additions SNAP into the existing installation.



Storage DesignTM the affordable custom storage system

Visit the company web site
www.customclosets.com
for more information.

Call Gary Lee toll free
1-877-772-2313
for installation programs and pricing.

EASY-TO-SEE™ THERMOSTATS

People with limited vision, blindness or movement impairments, including arthritis, will now find it easier to control temperature in their homes. Honeywell offers four Easy-To-See™ thermostats with features that make it easier to adjust the thermostat.

All Easy-To-See™ thermostats include:

Large set point dial or lever. Offering significantly more surface area, the dial is easier to grasp. An enlarged temperature indicator arrow also makes it easier to line up the dial with the desired setting.

Click-stops for every two degrees of dial or lever movement

The two degree increments are just right for comfort adjustments during the day. The click-stops make it easier for those with low vision or blindness to make a definite change.

Enlarged temperature scale and raised numbers

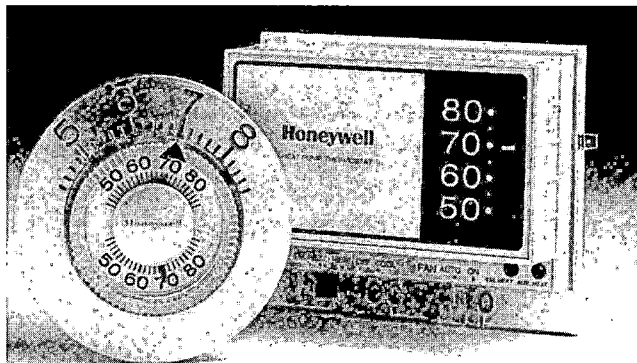
Large raised numerals at the 50°, 60°, 70°, and 80°F marks make it easier to adjust the thermostat, even in dim hallways, by sight or by touch.

Large print user's hand tag

Tag explains how to adjust the thermostat, and may be hung over the unit as a quick reference guide. A Braille user's guide is available via a toll-free call.

Decorator rings and wall plates

These feature enlarged switch markings, making it easier to select settings. They also aid installation and cover the wall marks left by older thermostats.



Four models fit most systems

- Original Gold Easy-To-See™ thermostat, model T87F3467
- Premier White Easy-To-See™ thermostat, model T87F5199. The greater contrast of black numerals on white cover enhances visibility of numerals and degree marks.
- Gold Easy-To-See™ PowerPile™ thermostat for self-powered gas millivoltage heating systems, model TS86A1421.
- NEW! Taupe Easy-To-See™ heat pump thermostat, model T841A1696 for heat pumps with manual heat/cool changeover.

Easy-To-Use Accessory

This clear ring (part number 221886A) fits over any Easy-To-See Round™ thermostats, and allows people with limited hand strength to brush or roll the thermostat setting dial without precise grasping.

Honeywell

Home and Building Control
1985 Douglas Drive North
Golden Valley, MN 55422-3992
☎ (800) 345-6770 ext. 7200
www.honeywell.com/yourhome/

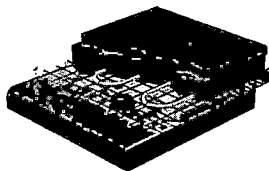
Honeywell

Welcome Your Customers Home to Comfort with Wirsbo

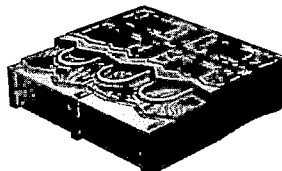


It's easy to make the homes you build Radiant Ready™. Put Wirsbo PEX tubing in the slab before the concrete pour - ideal for lower levels, basements and garages. Easy installation options exist for remodeling projects.

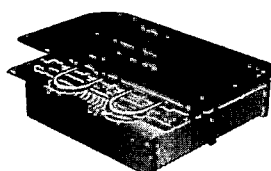
Wirsbo manufactures the world's most thoroughly tested PEX tubing. Wirsbo is the name you can trust.



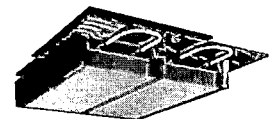
Concrete Floors



Poured Floor Underlayment

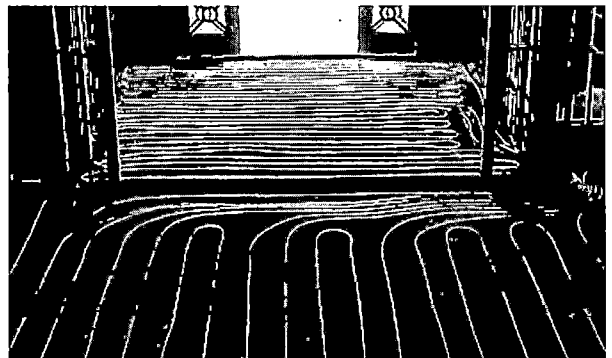


Suspended Floors



Between-the-Joists

Early in the building process, offer your customers the option of the most comfortable form of heating available. Radiant floor heating warms people without air and drafts. Consistent, gentle warmth radiates upward from the entire floor making marble, tile and wood floors cozy and *barefoot beautiful*.



- **Efficiency** - The whole floor is an effective heat distribution system
- **Lower Energy Bills** - An efficient system means lower thermostat settings
- **Room by Room Temperature Control** - Hydronic radiant heat can be easily zoned
- **Clean & Quiet** - No drafts or hot air spreading dust and allergens



www.wirsbo.com

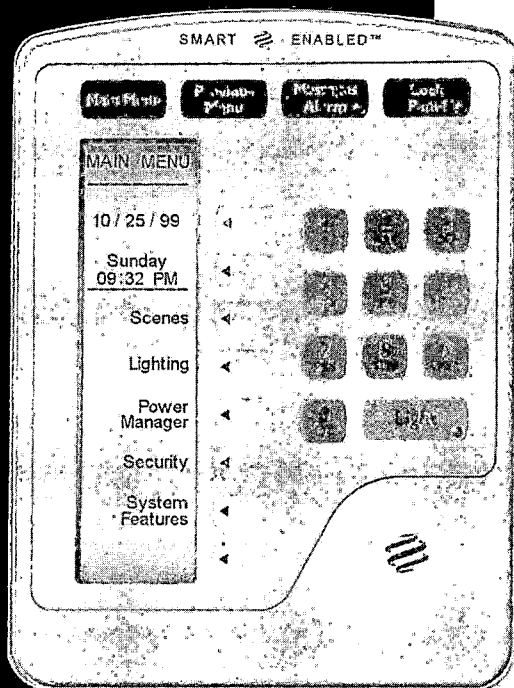
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The Smart Convenience•Pak

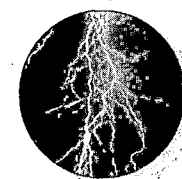
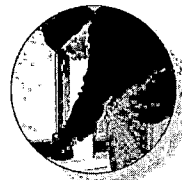
Enhancing Your Lifestyle while Protecting Your Home – a great way for seniors or people with disabilities to control their lighting, appliances, and security systems all in one easy to program package.



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Cutler-Hammer Division
1000 Cherrington Parkway
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Safety and Security

- It can help protect dependant seniors by restricting the use of selected appliances and circuits.
- Enhance fire alarm systems by shutting down ventilation to prevent dangerous smoke circulation and lighting a pathway for safe escape.
- Create a lived-in look that will keep intruders away by varying indoor lighting.



Comfort and Convenience

- Easily program up to 64 time/date-based events for convenience and energy savings.
- Illuminated screen provides an easy to read menu with special function keys for commonly used features.

Easy to Install

- No special wiring is required.
- Installed and programmed in less than 3 hours
- Compact keypad can be surface mounted anywhere in your home.

Ask your homebuilder or electrical contractor to order the Smart Convenience•Pak (Catalog Number CHSMARTPAK1) direct from an authorized Cutler-Hammer distributor, or call Cutler-Hammer at 1-888-APC-8202.



Cutler-Hammer

EAT•N

Enrich Your World

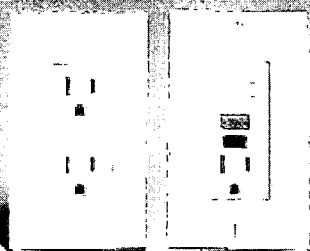
with the **DECORA**® line of Designer Devices

The Decora line of designer devices enable you to grow your profits while providing your customers with a wide selection of quality products available from the leading manufacturer of wiring devices, Leviton.

Whether it's for the Home or the Home Office there's a Decora device designed to occupy your wall.

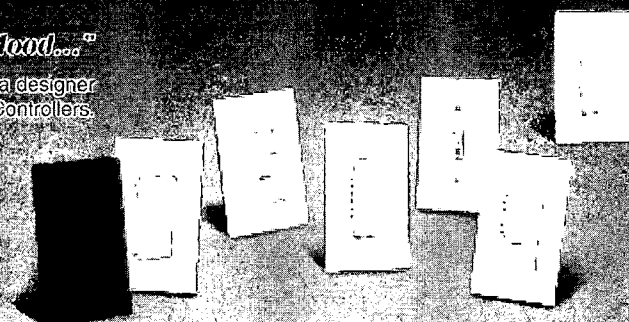
Stop by Booth #430 for more information on how to get a FREE Decora Plus Almond Wallplate.

DECORA® enables you to:
"Create the Right Mood..."
 when you install the complete line of Decora designer
 Switches, Dimmers and Scene-capable Controllers.



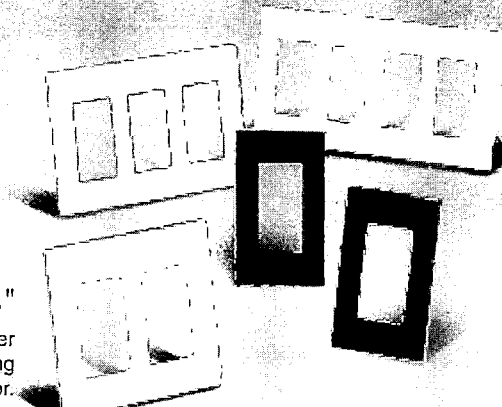
"Make the Best Connections..."

with top-performing, durable and reliable Decora
 Receptacles, GFCI's and Combination Devices.



"Achieve that Finished Look..."

with Decora Plus screwless, snap-on designer
 Wallplates available in seven shades, including
 our popular Almond color.



"Experience the Comfort & Convenience..."

made possible thanks to award-winning DHC Home Automation
 products with Intellisense™ technology.

For ideas on how you can Enrich Your World with the Decora line of designer
 devices or to request a product brochure, call in the U.S.: 1-800-323-8920;
 in Canada: 1-800-469-7890; and in Mexico: 1-525-386-0073;
 or visit our website at www.leviton.com

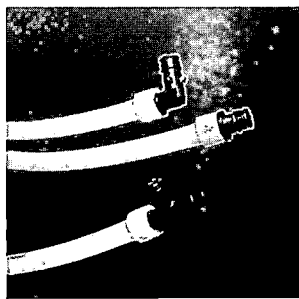
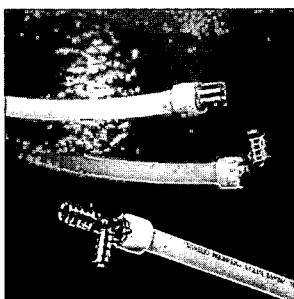


WIRSBO® AQUAPEX®

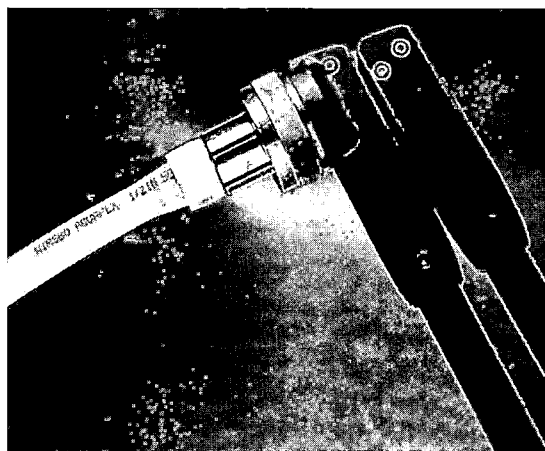
Pure and Simple Plumbing



Wirsbo AQUAPEX® tubing has been used in plumbing systems around the world for over 25 years. This proven performance assures homeowners, installers and builders that Wirsbo PEX products are the most thoroughly tested and reliable products.



AQUAPEX® is a code approved, competitively priced, flexible plumbing system installed by professional plumbers. The AQUAPEX® system combines durable Wirsbo Engel PEX tubing with the proven ProPEX® fitting connection. Together it's the future of plumbing.



Wirsbo AQUAPEX® Plumbing is...

- **Clean and safe** - AQUAPEX® is free of lead, copper and other toxins
- **Installation ease** - A flexible system means reduced joints and quick installation
- **Strong** - Resistant to corrosion due to aggressive soil and water
- **Quiet** - AQUAPEX® reduces water hammer noise



AQUAPEX®

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world leader in hydronic systems

WIRSBO®

5925 148th Street West

Apple Valley, MN 55124

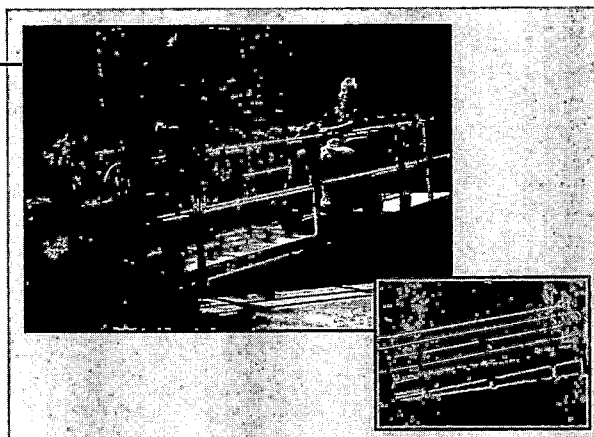
TEL (800) 321-4739 FAX (952) 891-1409



Prairie View Industries Ramps

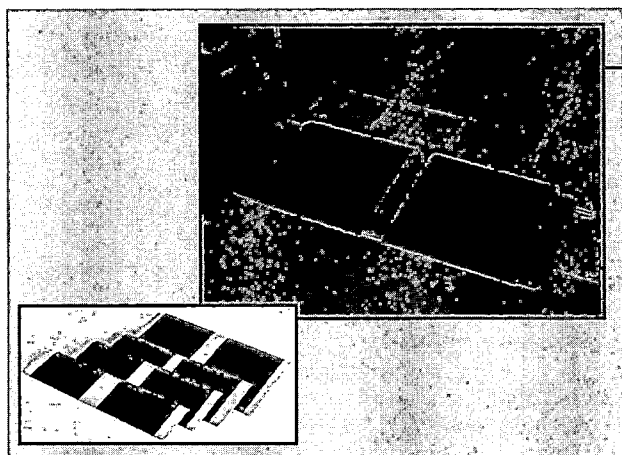
Modular Ramp System

PVI has designed a modular, all aluminum ramp system, for both home access and commercial use. This 36 inch wide ramp system has a load carrying capacity of 100 pounds per square foot. The ramp system consists of standard components that can be assembled quickly and easily with common hand tools. The modular components make it easy to move the ramp to a new location or change the configuration. Straight ramps, 90 degree turns, and 180 degree switchbacks are designed to meet ADA recommendations. Standard and optional handrail designs are available. PVI modular ramp system is strong, durable, portable, flexible, and yet is affordable.



Threshold Ramp

This small threshold ramp is designed for doorways. These ramps are available in 8", 10", 12", 16", and 24" lengths by 32" wide. There are holes punched in each of the top corners for easy installation. Made of aluminum, surfaced with anti-slip, high traction safety tape, the ramps are lightweight yet durable. The load capacity of the ramps is 300 lbs. per axle.



Solid Ramp

The PVI ramp is an excellent choice when a more permanent ramp is desired. No assembly required. Its one-piece design makes it ideal for wheelchairs and scooters with three or four wheels. This ramp is constructed of aluminum and has a slip resistant surface. The PVI solid ramp is available in three lengths and two widths. Custom widths are also available. The load capacity is 600 pounds.



Prairie View Industries

714 5th Street

Fairbury, NE 68352-0575

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BRUNO'S STAIRLIFTS MAKES CLIMBING STAIRS ONCE AGAIN EASY.



Bruno's battery powered stairlifts puts a person's mind at ease about power outages, and battery power means simplicity of installation.

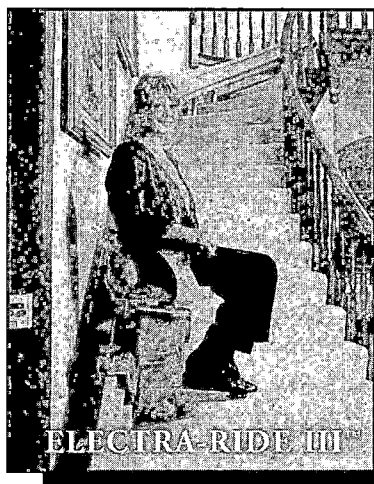
Bruno is so confident in our ISO 9001 engineering and production processes, that we guarantee the fit of all custom built rails based on approval of the dimensions provided.

The Bruno wireless call/send system uses the latest in digital RF technology for uninterrupted operation. This proprietary wireless technology* allows for easy operation anywhere in the home.

The Bruno call/send system also allows for quicker and cleaner installation because there are NO electrical wires to run.

The latest Bruno innovation is the Electra-Ride III™ rail system for inside turns. The inside turn will allow the flexibility to install the rail on either side of the staircase while keeping the rail tight to the wall.

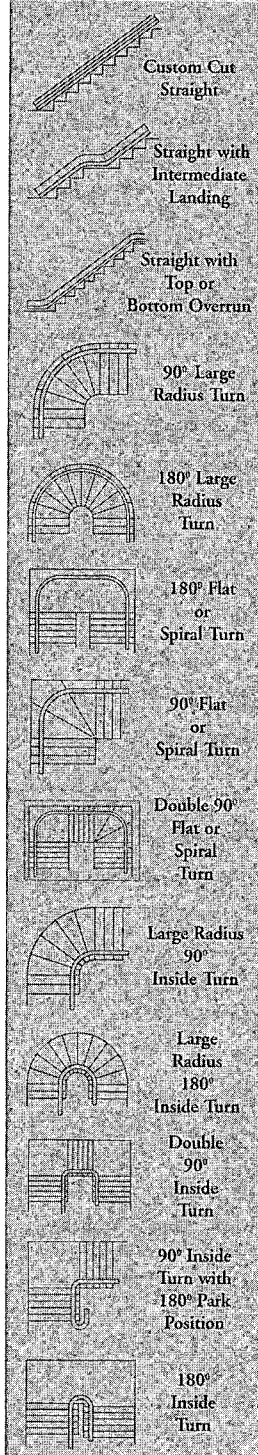
Normal rail position for a Bruno inside turn is 7 to 8" from the wall or obstruction. The Bruno inside turn is ideal for bi-level homes or staircases with mid-level doors.



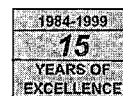
And, simplified Bruno pricing gives you the same pricing for inside or outside turns on flat landings or spiral staircases.

*Designed exclusively for Bruno and Authorized by the Federal Communications Commission under Bruno's exclusive ID number NTLPCB4950.

These units are covered by one or more US Patents and/or has US Patents Pending.



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ELEVATORS

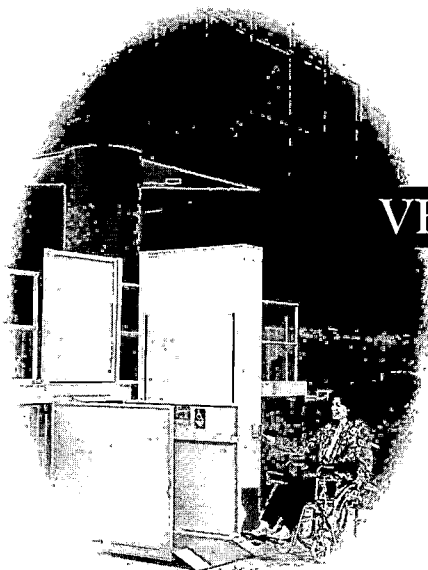
Inclinator's Elevette® residential elevators can be as unique as your home's interior. They provide convenience for people who should not or do not want to climb stairs. They also add value and prestige to homes. Elevettes can be designed into new home construction or added to existing homes. They do not require shafts. (Check local codes.) Choose from five standard models, then choose from many finishes and accessories for a truly custom elevator. Visit www.inclinator.com for more information.

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Inclinator invented stair riding equipment more than 77 years ago. The StairLIFT SC® features simple design, excellent materials and craftsmanship resulting in a product that will deliver many years of reliable service. Visit www.inclinator.com for more information.



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National Wheel-O-Vator

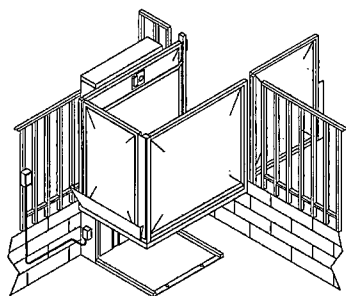
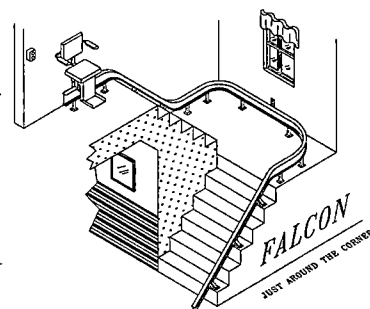
The Destiny Residential Elevator

will add value and convenience to every level of your home. From the handcrafted wood interior walls to the stylish lighting fixtures, this elevator will enhance any home decor. The elevator car is manufactured in many designs and a variety of wood finishes, such as: cherry, maple, oak, birch, plus more. The Destiny can be fitted with many styles of accordion or scissors car gates, with manual or automated operation. Both stainless steel and brass interior fixtures are available, which can tailor the Destiny to the home owner's personal taste.



The Stairway Chairlift

takes the work out of climbing stairs. It is less expensive than leaving the home you love and allows you to retain full use of your home. It is designed to fit both straight staircases and those with curves and intermediate landings. This unit is constructed on a solid steel rail and has a full folding seat with dual padded armrests, a sturdy foot rest and a swivel seat.



The Vertical Platform Lift

provides access to your home, whether it be inside or out. Each lift is customized to fit your required application. With the use of an Acme screw or hydraulic drive, a vertical platform lift is a safe, economical, space effective way to overcome architectural barriers.



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APPENDICES

ACCESSIBILITY

Residential Remodeling and Universal Design: Making Homes More Comfortable and Accessible



This book provides guidance on selecting and installing universal features that will improve the home for its residents now and in the future increasing the home's marketability. Rehabilitation and remodeling of the existing housing stock plays a key role in providing our Nation with decent and affordable housing. Often, when a house or apartment is renovated, it can also be made more accessible for people with disabilities. Given growing awareness of the needs of people with disabilities, and the

aging of the "baby boom" generation, it makes good sense to ensure that, through "Universal Design," more housing addresses the needs of all Americans. Many universal design features can be added to the home during a remodeling project at little or no cost.

Published in 1996

114 pages plus appendices

\$25.00

Home Planning for Your Later Years



Should you continue to invest in your home as you get older, or are there other options? This step-by-step home assessment and planning guide for middle age and older adults includes practical and applied tips on how to evaluate where and how you want to live when you retire and what housing needs you can anticipate.

Published in 1996

176 pages

\$19.95



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Changing Demographics: A Building Industry Technology Roundtable

This report benefits home builders, building product manufacturers, and other industry professionals interested in examining how demographics will impact demand for home designs, marketing, and products and services in the decades ahead. It explores several critical demographic trends, namely, the aging of the Baby Boom generation, increasing life expectancies, and America's growing diversity, and their potential impact on home designs, marketing, and products and services, not only today, but also in the coming decades. Tables are included which summarize many of the key developments affecting residential construction. It also includes a comprehensive list of sources.

Published in 1999

52 pages

\$10.00

Reducing Fire Related Injury and Death Among the Elderly

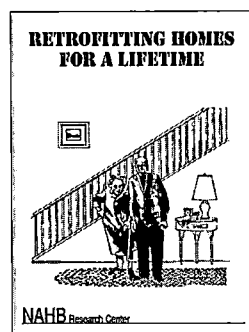
Falls and fires are the two major causes of casualty and death among older people. Yet more causes of fire can be prevented with simple modifications to the home. This report contains extensive statistics, a safety checklist designed to aid older people in reducing the risk and incidence of fire in their homes, and outlines a model public-education program.

Published in 1990

89 pages plus appendices

\$20.00

Retrofitting Homes for a Lifetime



This book outlines a process for remodelers and homeowners to work effectively with each other in assessing client needs, designing and undertaking modifications, and helping identify appropriate financial arrangements. It contains an audit form to complete as a home is surveyed for modifications and design solutions to use once the audit is complete.

Published in 1994

65 pages

\$15.00

AFFORDABLE HOUSING

EnergyValue Housing Award Winners

The EnergyValue Housing Award recognizes outstanding achievement in integrating energy efficiency into the design, construction and marketing of new homes. The program's goal is to increase the value of energy efficiency as a selling feature of homes. Awards are given in custom, production, affordable, and innovating/ad-

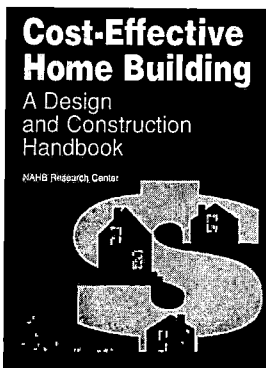
vanced categories within hot, moderate, and cold climate regions. The program and case studies are presented.

Updated Annually

\$5.00

AFFORDABLE HOUSING *cont.*

Cost Effective Home Building: A Design and Construction Handbook



Builders will learn cost-effective methods of home building with a systematic approach to design and construction. Specific techniques based on familiar and available building materials and labor skills that contribute to the production of safe, durable, and economical homes are presented. The strength and span table for each species of timber is revised to reflect the changes in the National Design Specification. Alternatives to lumber and plywood and stemwall and frost-protected shallow foundations are

also discussed. Metric conversions are included.

Published in 1994

91 pages plus appendices

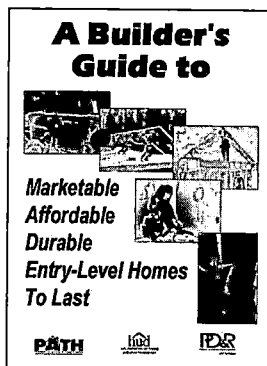
\$24.00



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A Builder's Guide to Marketable Affordable Durable Entry-Level Homes To Last



Builders will learn how to successfully provide Marketable, Affordable, Durable Entry-Level (MADE) homes for first time homebuyers. The MADE manual will provide builders with the tools necessary to market affordable housing to the entry-level buyer, successful techniques for building affordable durable housing, and methods to define home buyers' expectations and fulfill their needs both before and after the sale. Preliminary plans illustrating how many of these techniques fit into a MADE-to-last demonstration

home are also included. These plans will be used to build four MADE houses in the NAHB National Research Home Park in Upper Marlboro, Maryland. This manual is part of a major new initiative called the Partnership for Advancing New Technology in Housing (PATH). PATH is a public/private partnership between industry and government to speed the creation and wide-spread use of advanced technologies to radically improve the quality, durability, environmental performance, energy efficiency, and affordability of our Nation's homes.

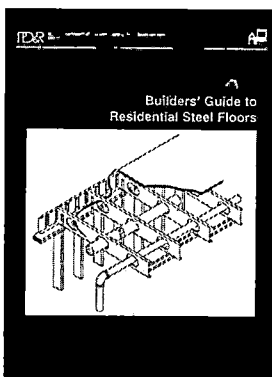
Published in 1999

73 pages plus appendices

\$24.00

BUILDER'S AND DESIGNER'S GUIDES

Builders' Guide to Residential Steel Floors



This guide provides builders, code officials, homeowners, and design professionals the necessary information required to use steel floor joists in typical residential construction. An overview of steel floor framing, its advantages, technical resources, tools and fasteners, and material properties is presented. Learn how to cut, trim, measure, mark, and install steel framing members as well as how to order steel members, select the proper tools, and how to fasten framing members

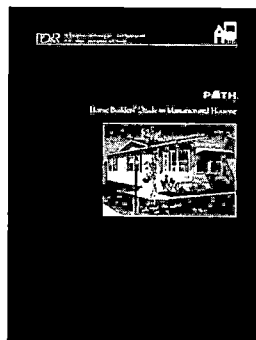
together. The construction of steel floors and related sub-trade installations is discussed in detail along with recommendations and construction guidelines.

Published in 1999

84 pages plus appendices

\$25.00

Home Builders' Guide to Manufactured Housing



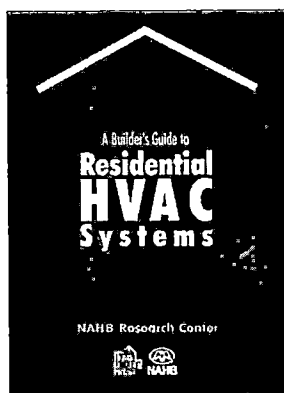
This guidebook provides conventional builders and land developers with an introduction to manufactured housing, focusing on differences between manufactured and conventional homes that are likely to be encountered in practice. Chapters of the Guidebook describe various options for using these homes. The Guidebook covers finding a manufacturer, developing product specifications, potential contractual arrangements, local zoning and land-use planning considerations, installations and

foundation options, site-built improvements, regulatory issues and consumer financing. Many references to more detailed resources are also included. Users of the Guidebook will find a wealth of information to assist in their business planning and support decisions about whether and how to make use of manufactured housing as part of a larger home building business.

Published in 2000

72 pages

\$25.00

BUILDER'S AND DESIGNER'S GUIDES *cont.***A Builder's Guide to Residential HVAC Systems**

This publication provides small- and medium-volume builders and superintendents with the information they need to effectively evaluate and specify heating, ventilation and air conditioning (HVAC) systems. The book also covers ways to deal more effectively with and improve system quality, and apply and sell energy-efficient alternatives. Tables, charts, rules-of-thumb, examples of duct layouts, and samples of trade language are provided.

Published in 1997

64 pages

\$27.50

sidered as a structural system. The guide addresses house design from the footing to the ridge and includes separate chapters on lateral design for wind and seismic forces and on connections. A brief overview of the housing market as well as sound data on housing performance is also included to help build a sound perspective. The text is suitable for a design professional/practitioner as well as the student engineer and it is richly embellished with references and practical design examples.

Published in 2000

430 pages plus appendices

\$45.00

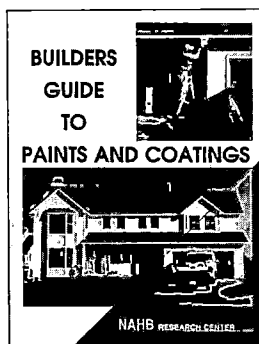
Proposed Model Land Development Standards and Accompanying Model State Enabling Legislation

This book provides guidance for developing or updating land development requirements to provide for residential development that is safe and high quality while eliminating needless costly procedures. Written as minimum standards with commentary, it is helpful to builders and land developers, as well as government jurisdictions with no standards or excessive standards.

Published in 1993

156 pages plus appendices

\$50.00

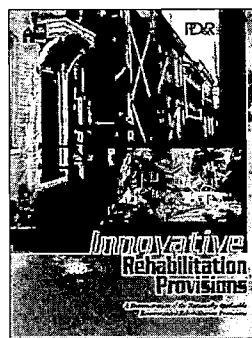
Builder's Guide to Paints and Coatings

Everything you need to know about paints and coatings, in easy-to-read form. Describes composition and characteristics of paints and stains, color considerations, surface preparation, application methods, cause and cure of painting problems, and safety considerations and regulations. Indispensable guide for builders. (Illustrations)

Published in 1993

74 pages

\$12.50

Innovative Rehabilitation Provisions: A Demonstration of the Nationally Applicable Recommended Rehabilitation Provisions

Read about a side-by-side comparison of traditional rehabilitation provisions with the *Nationally Applicable Recommended Rehabilitation Provisions* and the code from which the provisions were adopted, the *New Jersey Uniform Construction Code-Rehabilitation Subcode*. This report provides one example of the application of the provisions. It is a case study that documents the rehabilitation of a 200-year-old single-family home in rural New Jersey. By publishing the

use and cost-effectiveness of the new rehabilitation provisions, the U.S. Department of Housing and Urban Development hopes to encourage more widespread adoption of similar provisions throughout the country.

Published in 1999

26 pages

\$20.00

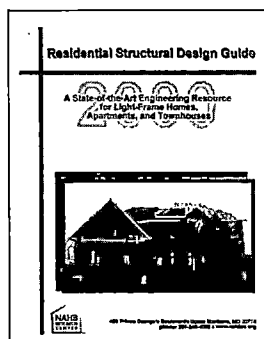
Home Builders Guide to Fire Retardant Treated Plywood

This guide provides answers to the most commonly asked questions regarding FRT plywood. It also gives builders practical "how-to" information on identification and evaluation of FRT plywood and alternative methods for replacing defective materials.

Published in 1990

49 pages plus appendices

\$15.00

Residential Structural Design Guide: 2000 Edition (NEW RELEASE, April 2000)

This guide strives to "bridge the gap" between conventional engineering practices and conventional residential construction practices. The information and design guidance provides a useful and unique technical resource to structural designers involved in the residential market. The intent is to build-upon and supplement current design practices and building code provisions with valuable engineering information, research findings, and practical insights that may better explain or account for the weak and strong points of conventional or engineered housing when con-



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BUILDER'S AND DESIGNER'S GUIDES *cont.*

Factory and Site-Built Housing: A Comparative Analysis

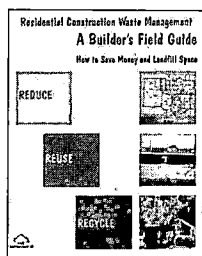
Learn how the efficiencies of the manufactured housing sector can be applied to conventional site-built or modular home construction. Characteristics of conventional, modular and manufactured homes are described, comparing the similarities and differences between them, including location and land tenure, occupant characteristics, and design and material characteristics. The report assesses the potential impact of code differentiation on the costs of producing industrialized versus conventional housing. The study also details the regulations of unit construction for the three housing sectors: approval, design review, and inspection; land development, site-work, and installation; building requirements; electrical requirements; plumbing requirements; and energy requirements. Recommendations for conventional home builders on how to improve operations, take advantage of new opportunities, and learn from the experience of the manufactured homes sector are also included.

Published in 1998

160 pages

\$25.00

Residential Construction Waste Management: A Builder's Field Guide



Reduce your home building costs with cost-effective techniques to construction waste management. This field guide presents several approaches builders can take to manage construction waste and provides real case studies to support the recommended actions. The field guide is based on numerous waste assessments, workshops, and pilot projects involving builders and waste haulers. The case studies

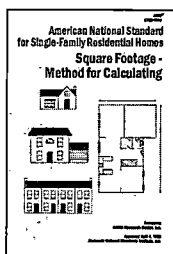
in the field guide include framing waste reduction exercises, job site recycling strategies, and marketing approaches from several regions of the United States. Appendices contain references and supporting documents.

Published in 1997

32 pages plus appendices

\$12.00

Square Footage – Method for Calculating American National Standard for Single-Family Residential Buildings



This voluntary standard for measuring square footage in single-family detached and attached homes, developed by an American National Standards Committee, is the first national standard to reconcile differences in current methods for determining square footage. The standard involves the calculation and reporting of above-grade square footage and below-grade square footage in single-family houses. It is not applicable to apartment/mul-

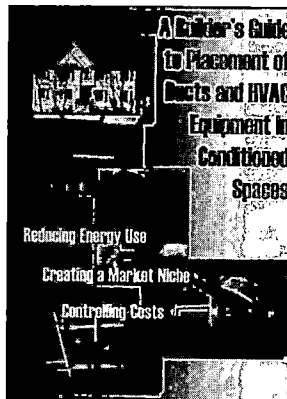
tifamily buildings and does not cover room dimensions.

Published in 1996

11 pages

\$20.00

A Builder's Guide to Placement of Ducts and HVAC Equipment in Conditioned Spaces



This guide is intended to give practical guidance to builders and heating, ventilating, and air-conditioning (HVAC) contractors in the design and installation of conditioning systems that are placed entirely within the insulated building envelope. The guide has chapters on design/layout planning, technical approaches to fit your house style, building codes implications, and effectively marketing your design.

NAHB Research Center gratefully acknowledges the Brookhaven National Laboratory and the US Envi-

ronmental Protection Agency for their funding of this project.

Published in 2000

37 pages plus appendices

\$5.00

Design Guide for Frost-Protected Shallow Foundations

This design guide shows detailed drawings of the prescribed methods of using insulation board in construction shallow slab-on-grade foundations in cold climates with seasonal ground freezing, explains how to properly use frost-protected shallow foundations, and explains why the system works.

Published in 1996

48 pages

\$30.00



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CONSTRUCTION WASTE MANAGEMENT

Guide to Developing Green Building Programs

This guide describes program development and green building techniques. It discusses issues, costs, technologies, availability, practicality and additional references for everything from framing materials to xeriscaping. Based on local green building programs, the guide includes a hard copy and a CD-ROM, so builders and associations can customize its ideas.

Published in 1999

120 pages

\$25.00

On-Site Grinding of Residential Construction Debris: The Indiana Grinder Pilot

A recently completed pilot project in Indianapolis, Indiana, determined that grinding and reusing the wood, drywall and cardboard components of the waste stream can save builders money. Written for new home builders, the report describes servicing construction sites with a mobile grinder and reusing the processed material on-site as erosion control and as a soil amendment.

Published in 1999

18 pages plus appendices

\$10.00

Deconstruction: Building Disassembly and Material Salvage – The Riverdale Case Study

From lead and asbestos issues to market prices for used lumber and brick to labor hours it takes to remove hardwood flooring — this case study has everything you'll want to know about deconstruction. The report uses the disassembly of a 2,000 square foot multifamily building in Baltimore as a vehicle for discussing all the pros, cons, and details of salvaging residential buildings.

Published in 1997

30 pages plus appendices

\$20.00

Investigation of Deconstruction Feasibility in the District of Columbia

A detailed report on the economic and physical potential for deconstruction in the District of Columbia. Complete with detailed assessments of representative properties that are viable deconstruction candidates, a deconstruction potential rating scale, and drive-by assessment profiles.

Published in 1999

127 pages

\$30.00

A Guide to Deconstruction



Learn how deconstruction can help make communities more livable. Read about ways to support and complement other community objectives, create job training and job opportunities for unskilled and unemployed workers. Learn how deconstruction benefits the environment by diverting valuable resources from crowded landfills into profitable uses. This book shows the components of deconstruction, its benefits, case examples

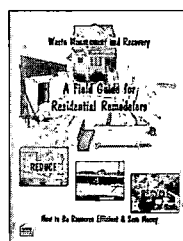
and how to make it part of a community revitalization strategy.

Published in 2000

13 pages

\$10.00

Waste Management and Recovery: A Field Guide for Residential Remodelers



Written for residential remodelers, this guide presents several waste management strategies to support the recommended actions. As a follow up to the Builder's Field Guide, this guide addresses the unique situations of the remodeler, including reuse opportunities and the handling of lead-based paint and asbestos.

Published in 1999

20 pages

\$10.00



**QUESTIONS ON HOUSING RELATED TOPICS
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1-800-898-2842**

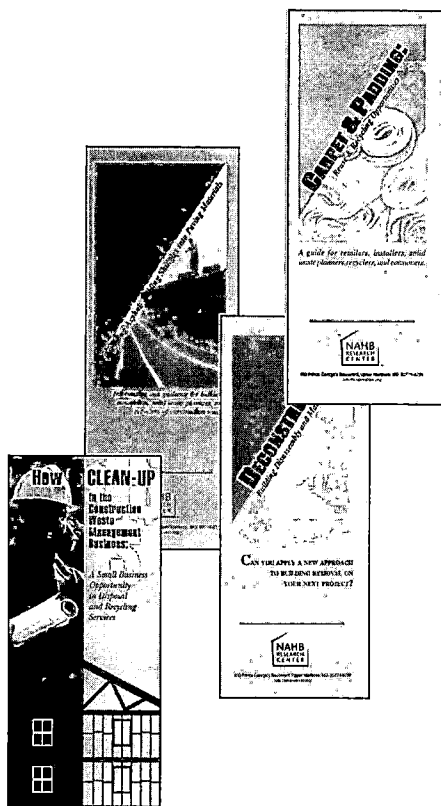
CONSTRUCTION WASTE MANAGEMENT *cont.*

The Deconstruction Series

Set of 4 Information

Pamphlets:

\$5.00



Carpet & Padding: Reuse and Recycling Opportunities

Published in 1999

Written for waste generators, processors, and regulators, the brochure characterizes the waste stream, the recycling issues which recyclers face, and current industry programs. A summary table compares the characteristics of padding and carpet waste as they relate to recycling.

Deconstruction: Building Disassembly and Material Salvage

Published in 1999

Written for building/property managers and practitioners, the brochure explains the benefits of deconstruction, favorable building characteristics, planning steps, and references. A case study and a cost comparison to demolition are also included.

From Roofs to Roads: Recycling Asphalt Roof Shingles into Paving Materials

Published in 1999

Written for waste generators, processors, and regulators, this brochure characterizes the waste stream, presents benefits, lists potential end uses for recycled shingles, summarizes the issues which face recyclers, and lists resources and equipment manufacturers. Two profiles of recyclers are included.

How to Clean-up in the Construction Waste Management Business

Published in 1997

Written for entrepreneurs or existing waste hauling businesses interested in modifying their current service, the brochure explains how the clean-up service operates, why builders are interested, the required equipment and personnel, and lists other helpful resources.

EDUCATIONAL MATERIALS

Geothermal Systems*

Learn why this highly efficient heating and cooling technology is gaining popularity. Discover how geothermal systems work, why builders are using them, and how they can add value to your homes. This course includes 75 electronic slides, Instructors Guide, and Student Workbook.

Optimum Value Engineering*

Learn tips and techniques to reduce hard costs and improve quality with the clever use of standard building materials. This course includes 81 electronic slides, Instructors Guide, and Student Workbook.

Total Quality Seminars

Because the first steps of quality implementation are the most difficult, these seminars are designed to provide builders with a place to start. Following a brief introduction, participants complete hands-on builder exercises preparing them to use quality concepts and tools in day-to-day use at their company. A half-

day seminar is also available to builders and home builder associations.

Prices Vary; Call for Quote

Understanding Home Building – Training Course

This course is ideal for anyone who wants to know the basics about the home construction process. Use it to initiate new workers, increase the knowledge of your sales team, add value to the sales transaction, and educate your buyers. Understanding Home Building includes an Instructor's Guide, complete with glossary and resource list, 256 coordinating color slides, and more! (Available on CD-ROM.)

Published in 1999

\$350.00

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301-430-6180

EDUCATIONAL MATERIALS *cont.***Building with Photovoltaics***

Solar has come a long way since the oil crisis. Learn how PV works and about new roofing products that produce electricity. Learn about state and federal programs that promote the use of solar energy. This course includes 71 electronic slides, Instructors Guide, and Student Workbook.

Residential Steel Framing*

This presentation covers construction methods, energy-saving details and considerations when changing from wood to steel framing. Also, learn about getting the best from wood and steel in hybrid homes. This course includes 86 electronic slides, Instructors Guide, and Student Workbook.

Advances in Jobsite Quality Control*

This hands-on workshop will help you use specifications, inspections, and trade contractor partnerships to make quality controls work on the jobsite. Bring a trade contractor. This course includes 59 electronic slides, Instructors Guide, and Student Workbook.

***Each Package Includes:**

Slides, Instructors Guide, and Student Workbook – \$150.00

FORUMS AND ROUNDTABLES**The Manufactured Home – A Building Industry Technology Roundtable**

Explore areas where site builders and manufactured housing producers might mutually benefit through cooperation and definition of future areas of research that would expand the market for affordable housing. The areas discussed included land planning and zoning, products and design, labor issues, new markets and future areas of research.

Published in 1999

18 pages

\$10.00

New Horizons in Quality Management – A Building Industry Technology Roundtable

Find out where leading quality builders are heading. The three major themes threaded throughout the roundtable discussions included raising the bar on quality and customer satisfaction, re-engineering the construction process and how business management is maturing. Builders interested in total quality management will learn how improvements in products and processes have led to higher profitability, increased efficiency, reduced cycle-time, decreased callbacks and warranty work, and increased customer satisfaction.

Published in 1999

13 pages

\$10.00

Labor Shortages and Productivity in the Home Building Industry: Background Paper and Results from the 1998 Building Industry Technology Roundtable

This paper explores the connection between labor shortages and stagnating productivity in the home building industry. It examines the possible causes of labor problems and summarizes potential solutions based on the notion of productivity and suggestions from the 1998 Business Roundtable. The paper presents possible reasons for labor shortages as well as selected statistics and theories about labor supply and productivity, posing important chal-

lenges for dealing with labor shortages. The ultimate goal being to individually and collectively identify steps that respond to the underlying labor shortages.

Published in 1998

20 pages

\$10.00

White Paper for the Changing Demographics Roundtable

This paper benefits home builders, building product manufacturers, and other industry professionals interested in examining how demographics will impact demand for home designs, marketing, products and services in the decades ahead. Originally written as a background piece for an NAHB Research Center/Professional Builder building industry roundtable held in September 1999, this paper explores several critical demographic trends,

namely, the aging of the Baby Boom generation, increasing life expectancies, and America's growing diversity, and their potential impact on home designs, marketing, products, and services not only today; but also in the coming decades. Included with this paper are tables which summarize many of the key developments affecting residential construction as well as a comprehensive list of sources.

Published in 1999

52 pages

\$10.00



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FORUMS AND ROUNDTABLES *cont.*

National Forum on PATH Durability Research – Report on Proceedings and Results



A National forum on research needs to improve durability in housing was held on March 31, 1999. The forum was sponsored by the National Institute of Standards and Technology and hosted by the NAHB Research Center under the auspices of the Partnership for Advancing Technology in Housing (PATH). This forum focused on durability issues relating to the building envelope that have gained prominence in re-

cent years due to the failures of various roof sheathing and siding systems. Durability improvement of building components and systems is one of the principal goals of the PATH program. The report provides summaries of the major issues discussed at the forum along with recommended R&D priorities for improving durability in roofing and wall systems.

Published in 1999

50 pages

\$25.00

INTERNATIONAL

Domestic and International Housing Technology Research

This report assesses the state of public and private housing technology research and contrasts these domestic efforts with those of other nations. It reviews the type of research projects conducted by other countries, and analyzes the extent of international competitiveness by the American housing industry in the field of basic housing technology research.

Published in 1993

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NEW TECHNOLOGY

Advanced Housing Technology Program

This report summarizes the findings of the first phase of the Advanced Housing Technology Program sponsored by NAHB and the U.S. Department of Energy. It explains how the structure of the housing industry and the characteristics of its home building segment affects the generation, adoption, and diffusion of innovation, how the decision to adopt an innovation is made, and the institutional barriers influencing adoption and diffusion. It discusses the method used to evaluate 200 candidate emerging innovations and explains its application in selecting nine innovations deemed to have high potential benefit for the housing industry. It explains the factors influencing their commercial feasibility, incorporating them with attributes of engineering efficiency to develop a model assessment of the future impact of innovations. Finally, it outlines an industry-wide strategy for speeding the adoption of innovation.

Published in 1991

134 pages

\$30.00

Historical Review of Housing Innovation

Provides a historical record of technological innovation that occurs in individual components and subsystems of the house. Innovations include successful and unsuccessful process and product innovations classified by the decade in which they were first commercialized from 1950 through the 1980s. Innovations were also categorized by the extent to which they affected the builder's

productivity or added to the functionality of the house. Productivity-oriented innovations were further classified according to whether their principal impact was on the cost of labor, material, or equipment.

Published in 1989

36 pages

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On-Site Recirculating Sand Filters for Treatment & Disposal of Residential Waste Water

The 1990 Census revealed a 15 percent increase in houses using septic systems while only 32 percent of the land area in the United States is suitable for the use of conventional septic tank-soil absorption systems. By significantly reducing effluent pollutant concentrations compared to conventional systems, recirculating sand filter systems increase soil absorption and reduce soil clogging and, therefore, require smaller drain fields and reduce costs. This book shows how to design this system and explains how it works.

Published in 1994

36 pages plus appendices

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NEW TECHNOLOGY *cont.***Use of Ductless Mini-Split Electric Heat Pumps in Residences**

This report discusses the use of ductless electric heat pumps for heating and air conditioning of new homes. It includes types and applications of currently available units, initial operating and installation costs, recommended improvements to units, and regulatory and code issues and on-site performance data from a demonstration project.

Published in 1994

46 pages plus appendices

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Criteria for Evaluation of Emerging Technologies

This report outlines a method for assessing the overall value or merit of emerging building technologies. It discusses a general methodology for selection and evaluation of innovations, defining innovation, emerging technology, and explaining the criteria and ranking system used to rate the relative importance of innovations according to their impact on productivity and functionality. It explains and documents in a specific format the detailed attributes that define an innovation's impact on the productivity and func-

tionality of a house and develops a system for classifying an innovation according to its function in the housing system, the maturity of its embodied technologies, its stage of R&D, and its acceptability to the consumer in terms of marketability or diffusion.

Published in 1989

30 pages

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Diffusion of Innovation in the Housing Industry

Examines the business structure and characteristics of the housing industry as they affect technological processes and innovations in housing. The study comprises a literature review on the diffusion of innovation and the construction of a data base to develop diffusion curves for tracking the rate of diffusion of nine selected innovative technologies. Discussion focuses on the relationship between innovation and productivity, international competitiveness, housing affordability, and quality improvements.

Published in 1989

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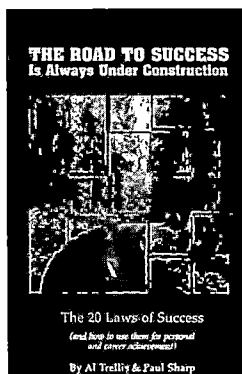
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Published in 1997

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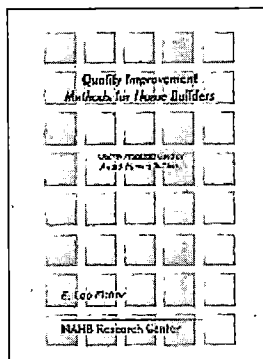
The Road to Success is Always Under Construction

With a humorous approach, this book explores the traits that make builders successful, both in their business and their personal life. It includes self-diagnostic procedures, and pragmatic solutions to some of life's perplexing problems and was written by Al Trellis, custom builder and columnist for BUILDER magazine, and Paul Sharp.

Published in 1996

119 pages

\$12.95

Quality Improvement Methods for Home Builders

This book contains a logical systems-approach to the quality improvement process. It investigates the underlying causes of the quality problems involved with home building and discusses quality control methods and shows how they reduce construction costs while increasing quality and value.

Published in 1994

93 pages plus appendices

\$20.00

Cycle-Time Reduction in the Residential Construction Process

Given a choice among houses of comparable cost and quality, home buyers gravitate toward the one that is delivered or built the fastest (shortest cycle-time). This study determines typical construction cycle-times for on-site and modular builders. It benchmarks those firms who exceeded norms through best practice, detailing time-based operating concepts, methods and techniques the builders apply to enhance their competitive position.

Published in 1993

46 pages plus appendices

\$25.00

RESEARCH HOME PARK

Twenty-First Century Townhouses: Video



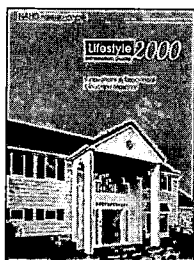
This video provides an overview of the construction and finish of the Twenty-First Century Townhouses built in the NAHB National Research Home Park. The video details the construction of the townhouses which use four different structural systems. It also explains

some of the advanced energy efficiency concepts including the photovoltaic roofing system. This is a good companion video to the illustrated guide.

Published in 1996

\$25.00

Lifestyle 2000 House



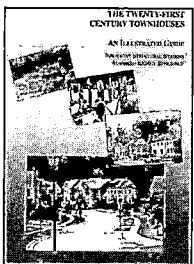
Built by the Research Center to test and demonstrate innovative uses of concrete masonry in home building, the house highlights the great aesthetic appeal of concrete masonry products and features new types of blocks and construction methods.

Published in 1993

42 pages

\$15.00

Twenty-First Century Townhouses: An Illustrated Guide



This book describes the major features of four townhouses built by the Research Center. The houses feature alternatives to lumber and advanced energy efficiency. Photos illustrate innovative products and systems installed during construction. It includes a list of participating manufacturers and trade associations.

Published in 1996

51 pages

\$10.00

Resource Conservation House Plans



This set contains blueprints of the NAHB Research Center's Resource Conservation Research House as built in the NAHB National Research Home Park. The two-story, 3,600

square-foot house includes a finished basement and two-car garage.

Published in 1993

\$30.00

Resource Conservation House Video

This professional-quality VHS video shows the house in various phases of construction. Features shown include: cast-in-place concrete foundation forming system utilizing panels made with post-consumer polystyrene recycle; frost-protected shallow foundation under the garage slab; steel framing; wallboard containing recycled wastepaper; hard-board siding made from sawmill scrap; ceiling panels and insulation made with newsprint recycle; energy-efficient windows; earth-coupled heat pump; roof panels made from recycled computer housings; and deck materials or trim made from wood substitute products.

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AWARD PROGRAMS

EnergyValue Housing Award



The EnergyValue Housing Award, launched in 1996, recognizes outstanding achievement in integrating energy efficiency into the design, construction, and marketing of new homes. The program's goal is to increase the value of energy efficiency as a selling feature of homes. Awards are given in custom, production, affordable, and innovative/advanced categories within hot, moderate, and cold climate regions.

National Housing Quality Award (NHQA)



The National Housing Quality Award is jointly sponsored by the NAHB Research Center and *Professional Builder* Magazine. They are patterned after the Malcolm Baldrige National Quality Award and are designed to be the highest recognition for quality in the home building field. Entries are judged by a panel of experts, who evaluate the role that quality plays in the entrant's product design, construction processes, management, sales, relationships with customers, and warranty service.

National Remodeling Quality Award (NRQA)



The National Remodeling Quality Awards are jointly sponsored by the NAHB Research Center, the NAHB Remodelers™ Council, Remodel.com and *Professional Remodeler*. Like NHQA, NRQA is patterned after the Malcolm Baldrige National Quality Awards. Winners receive the highest recognition for quality in the remodeling industry. Entries are judged on the role that quality plays in their design, construction, management, and relationships with customers.

Innovative Housing Technology Award

The NAHB Research Center and POPULAR SCIENCE magazine co-sponsor the annual Innovative Housing Technology Awards. This is a major awards program for residential building product manufacturers and industry trade associations. The Awards program is designed to recognize the development of innovative new products and materials for residential construction that can improve the livability of our homes and make the process of building and improving homes more efficient and cost effective.

ABOUT THE NAHB RESEARCH CENTER

The NAHB Research Center was founded in 1964 as a separately incorporated, wholly-owned, not-for-profit subsidiary of the National Association of Home Builders (NAHB). The Research Center conducts research, analysis, and demonstration programs in all areas relating to home building, and carries out extensive programs of information dissemination and interchange among members of the industry, and between the industry and the public. Its activities and programs are designed to keep U.S. home building closely tied to new and emerging technology and to changing national needs.

The Research Center facility is located in Prince George's County, Maryland, 25 miles from Washington, D.C. The Re-



search Center's professional staff of approximately 100 people includes scientists, engineers, economists, architects, planners, and professionals in related disciplines.

About ten percent of the Research Center's income comes from projects sponsored by its parent organization, the National Association of Home Builders. Of the remainder, about one-third comes from research for federal, state, and local government agencies, one-third from research for private-sector clients such as manufacturers and trade associations, and one-third from testing and certification of building products in the Research Center's laboratory.

The Research Center's parent organization, the National Association of Home Builders, has over 200,000 members, including the 60,000 builders who build more than 80 percent of American homes.

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