

A good shower is a safe shower

Safing for site-built showers depends on quality of work and correct materials

by Don Hough, Safety and Buildings Division Plumbing Consultant

If you asked the average Joe or Jill on the street what shower safing is, you might get a variety of responses.

Some may say; "It's the little round dots or lines on the shower floor that provide slip resistance."

Or maybe, they might say, "It's a device that prevents extreme changes in water temperature, so when your taking a shower and

someone flushes a toilet, you won't end up getting fried!"

But if you asked a plumbing or tile contractor, they'd tell you, "Shower safing is a waterproof barrier that ensures a site built shower from leaking through the shower floor, directing that water and moisture to the shower drain."

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Program has money for local home remodeling

Nineteen local organizations through Wisconsin will share \$4.1 million in grants to help low-income families make needed upgrades to their homes. About \$1 million of the total will be set aside for aid to homeowners who need accessibility modifications to their home.

This federal money is being distributed through the Homeowner Rehabilitation and Accessibility Program to 19 state weatherization agencies and two independent living centers. The organizations then make the money available to income-qualified owners of affordable housing in the

form of loans or grants for eligible activities, such as removing lead paint or bringing the home up to local or state building codes.

The agencies receiving awards are:

ADVOCAP, **Fond du Lac**, 920-922-7760, \$296,793

Ashland County Housing Authority, **Mellen** 715-274-8311, \$206,271

CAP Services, **Stevens Point**, 715-345-5200, \$237,434

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CBI exam based on new code

Effective July 2002, Safety and Buildings Division exam for commercial building inspector certification is based on the new Wisconsin Commercial Building Code. That code adopts provisions of some of the International Code Council (ICC) suite of codes.

Examinees will need to take to the exam the proper Wisconsin and ICC codebooks, as listed in their exam confirmation letters. There is a code version called the "Enrolled Code", which is a

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CERTIFIED MUNICIPALITIES

Some municipalities in Wisconsin have authority to do plan review, inspections, and otherwise carry out code-related functions as delegates of the Department of Commerce. For information and a list of current delegated municipalities, see the S&B WebSite, www.commerce.state.wi.us/SB/SB-CommercialBuildingsCertifiedMunicipalities.html.

Safety and Buildings-related codes are on the Internet, www.commerce.state.wi.us/SB/SB-CodesListing2002.html

Not all codes are available electronically. Paper copies may be purchased from Document Sales, 800-362-7253, for credit card purchases, or 608-266-3358.

Credential Questions

If you have questions concerning the status of licenses, certifications, or registrations administered by the Safety and Buildings Division, information is on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-CredentialStatusCheck.html>. You may also contact the Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us.

Wisconsin Construction Codes Report

The WCCR is a monthly publication of the Safety and Buildings Division, Wisconsin Department of Commerce, delivered to about 13,000 readers - people who hold S&B plumbing, POWTS, and fire sprinkler credentials, to local inspectors, and to fire departments. For a year's subscription, send \$20 to S&B Material Orders, PO Box 2509, Madison, 53701. Be sure to provide return mail info and note what you are ordering. WCCR on the WebSite, <http://www.commerce.state.wi.us/SB/SB-DivPublications.html>.

Contact information for plan review submittals

To schedule an appointment (commercial/multifamily buildings):

- S&B WebSite: <http://www.commerce.state.wi.us/SB/SB-DivScheduling.html>
- FAX: 24 hr. toll-free number for appointment scheduling, 877-840-9172
- E-mail: madisonsch@commerce.state.wi.us

For application forms:

- On the S&B WebSite (choose "Forms" on left of screen): <http://www.commerce.state.wi.us/SB/SB-DivForms.html>
- Call any of the offices listed on page 10.

Info about next available review appointment:

<http://www.commerce.state.wi.us/SB/SB-DivDailyDoc.html>

For info on plan submittals, contact Madison Plan Entry Supervisor Josh Schultz, jschultz@commerce.state.wi.us, 608-261-8460.

Shower safing

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Safing a site-built shower is critical. We have moisture and temperature changes, and expansion and contraction of materials. Also, movement will occur in key areas where the shower walls and floor meet, at wall joints, and the shower base (a cement base will develop hair line cracks).

Once a crack develops and water penetrates the corners or base, the safing material is our backup to preventing structural water and moisture damage and mold. Comm 84.20(4)9 a-e and Comm 84.30(6)(f) give the code parameters to work in when installing shower safing.

Before work begins, it is good to check on the type of safing material specified or selected for the job, the type of materials that are going to be used to construct the shower, and the type of shower drain.

Safing Material

Today we have new materials on the market such as plastic and vinyl sheet goods, and also brush-on membranes to select from.

Plasticized polyvinyl chloride (PVC) sheets, chlorinated polyethylene (CPE) sheets, and brush-on membranes all have distinct advantages and disadvantages in their use.

Lead pig eared corners are competing with glue and resin joints, and sometimes with no joints with the brush-on safing materials. Be careful to follow the manufacturer's installation instructions for some of the resins and glue applications. It is essential for proper bonding and sealing to occur.

Type of Construction Material

Selecting a safing material could be

dependent upon the type of construction materials used. Some safing material will not accept a bond with tile adhesive. This presents a problem when working on a block wall shower and the safing pan must be extended up the walls and corners. Some brush-on membranes work well with tile adhesives, but the application process can often lead to thickness variations of the membrane.

Are the concrete block walls interlocked, or butt jointed? If cement board is used, the safing material can be installed behind the board and perhaps you may want to select a sheet good instead of a brush-on membrane.

Along with the increase of materials available, we are also seeing changes in the tools an installer uses. It would not be unusual to find in the tool box a shave hook, hacking knife, flat and round dressers, and a wood mallet for lead safing installations, a can of glue or manufacturer's adhesive resin, set of snips and shears for sheet vinyl work, and a paint brush for membrane applications.

No matter the tool or the material selected, a "safe" shower is dependent upon the installer and their workmanship.

Shower Drains

There are a variety of drains available for installing showers, but when it comes to a site-built shower, a drain with the capability to drain down the safing pan is needed. Stationary scupper and floor drains do not meet the code requirements.

If you have any questions on safing, please contact one of the plumbing consultants listed on page 10. Have a nice safe shower!

For an expanded version of this article, including diagrams, visit the S&B WebSite Library, <http://www.commerce.state.wi.us/SB/SB-LibraryIndex.html>.



Upgrading cross connection devices for existing fire protection systems

When is an existing fire protection system required to be upgraded to the most current cross connection control assemblies or devices?

Comm 82.41(3)(e) provides two situations when an existing fire protection system must be brought into compliance with the current code for cross connection control:

1. When the water supply to the existing sprinkler system, including service or distribution piping, is increased in diameter; and
2. When the device or assembly is being removed or replaced.

There is another situation to consider. What happens when the owner, maintenance staff, or a fire protection specialist alters the degree of hazard by adding a substance downstream of existing backflow protection.

When there is such an additive, Comm 82.41(3) is relevant, and code compliant cross connection control must be installed. This must be a device which meets Table 82.41-2 and is listed by ASSE, CSA, IAPMO, ITS, NSF, or UL.

The addition of any device or assembly could alter the fire protection system's effectiveness.

If you have questions or comments on this topic, contact Safety and Buildings Division Plumbing Program Manager Lynita Docken, 608-785-9349, Ldocken@commerce.state.wi.us.

Program Manager Mattsson takes ERS position

Bernie Mattsson has accepted a position with the Department of Commerce Environmental and Regulatory Services Division's Bureau of Petroleum Products and Tanks. She previously was program manager for a number of facets of the Safety and Buildings Division.

Three current S&B program managers will take over Mattsson's responsibilities.

Jim Quast will work with the Energy Efficiency Program and the HVAC Systems Program. Quast is also manager for the Multifamily Dwellings and Credentialing Programs. (608-266-9292, jquast@commerce.state.wi.us)

Lynita Docken now will work with the Rental Unit Energy Efficiency Program. Docken is also manager for the Plumbing and Public Swimming Pools Programs. (608-785-9349, Ldocken@commerce.state.wi.us)

Joe Hertel will now work with the Gas Systems Program, the Boilers Program, and the Refrigeration Systems Program. Hertel is also the manager for the Electrical and Lighting Systems Program. (608-266-5649, jhertel@commerce.state.wi.us)

(Program Managers do planning, policy evaluation, procedure development, and code development for several programs on a division-wide basis.)

Elevator Code Seminar

November 6-7, 2002 - Madison, WI

The Safety and Buildings Division Elevator Safety Program presents a 2-day seminar

- ASME 2000 A17.1 Elevators
- ASME A18.1 Platform Lifts
- International Building Code
- and more...

For information contact David Holmes at 715-828-5901 dholmes@commerce.state.wi.us, Or, George Poblocki at 715-340-0109, gpoblocki@commerce.state.wi.us

Fee: \$125 per person – Pre-Registration Required
Registration forms available on the S&B WebSite,
<http://www.commerce.state.wi.us/SB/SB-ElevatorSystemsProgram.html>

Seminar approved for S&B Elevator Inspector continuing education

Part of Plumbing Code revision discussion was spout height - Hands high or rinsing dishes?

by S&B Plumbing Program Manager Lynita Docken, 608-785-9349, Ldocken@commerce.state.wi.us

In the current Plumbing Code revision proposal, prepared with the cooperation of the state's Plumbing Code Advisory Council, all of the health care and related facility section (clinic, nursing homes, hospitals, etc) was considered. Among the discussions, the requirements for spout heights were questioned. The result was that the majority of current spout requirements remain unchanged in the proposal draft.



Recently, I received a call from a designer who asked the rationale behind the requirement in Comm 82.50(12)(b): "Lavatories and sinks required in patient care areas shall have the water supply spout mounted so that its discharge point is a minimum distance of 5 inches above the rim of the fixture."

I did some research and found some interesting facts and interpretations.

Throughout apprenticeship, we were taught that the spout height requirement was at 5 inches so that someone could wash their hands without a risk of being contaminated in wastewater.

If that's true, then the width of someone's hand should be able to be placed beneath a spout and there would still be an air gap between the bottom of the person's hand and the rim of the fixture.

I grew up in the country. I know that for many years horses have been measured in "hands high" or "hh." The accepted equivalent measure for a "hand" is 4 inches. If the width of a palm is 4 inches and we expect a one-inch air gap, the distance from the rim of the fixture to the spout should be approximately 5 inches. It isn't necessarily what the original standard was, but it does make sense (horse sense?).



Another area of spout height research was in the American Institute of Architects Guidelines for hospitals and health care facilities. In those guidelines there is not a distance stated for

spout heights. However, the document does require that "Water spouts used in lavatories and sinks shall have clearances adequate to avoid contaminating utensils and the contents of carafes, etc." The exact distance is left up to interpretation.

Most kitchen sink faucet manufacturers' design their faucets with a 5-inch spout height above the rim of the fixture. Is this design preferred to allow the homeowner the ability to clean dishes and rinse them without the risk of contamination?

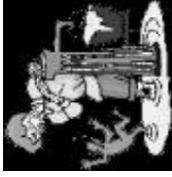
Many of our plumbing requirements have been developed because of discussions in code councils, where experts in the field reach a consensus on the issue being discussed or feel that a standard should be required. Perhaps that's how the spout heights in health care and related facilities were determined.

The draft code change proposal was taken to public hearing in February of this year. Currently, the proposal and comments are being considered by Department of Commerce managers.

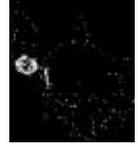
If you wish to see the draft, it is on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-DivCodeDevelopment.html>. If you have inputs on code revisions, contact me, Lynita Docken, 608-785-9309, Ldocken@commerce.state.wi.us.

Look to the S&B WebSite for meeting minutes, agendas, and other information from the S&B advisory councils, <http://www.commerce.state.wi.us/SB/SB-DivCodeDevelopment.html>.

Saving water and saving energy go together! Take a look at the amount of water, energy, and money that can be saved with simple actions around the home!



Action	Energy saved In million BTU's per year	Gallons of water saved per year	Dollars saved per year on heating water ^c	Dollars saved per year on private well pump costs ^d	Dollars saved per year on holding tank pumping ^e
Insulate water heater	2.06 ^a		\$14.95		
Efficient showerheads	2.89 ^a	7,800 ^b	\$21.01	\$1.56	\$312.00
Fix hot water leaks	0.22 ^a	2,600 ^b	\$1.62	\$0.52	\$104.00
Insulate hot and cold water pipes	0.41 ^a	2,400 ^b	\$3.00	\$0.48	\$96.00
Lower water heater temperature to 120 F	1.67 ^a		\$12.12		
Wash clothes in cold water	2.56 ^a		\$18.58		
Run only full loads in wash mach., dishwasher	4.74	7,150 ^b	\$34.37	\$1.43	\$286.00
Replacing a 4 gal/flush water closet with 1.6 gal		8,760 ^d		\$175.20	\$350.40
Totals	14.55	28,710	\$105.65	\$179.19	\$1,148.40



^a figures from Rocky Mountain Institute for an average-sized one-family home
^b figures from Wisconsin Rural Water Association for family of two adults and one child
^c assuming a gas hot water heater and gas cost of 72.5 cents/therm
^d based on a penny per 50 gallons of water pumped
^e based on a 2,000 gallon holding tank and \$80.00 per pumping charge
^f assuming 10 flushes/day

Get the latest replacement pages for the "Enrolled Commercial Building Code"

*The "Enrolled Commercial Building Code" is a two-volume set of Wisconsin's recently adopted new Comm 61 – 65, with relevant provisions of the International Code Council model codes. Since the Enrolled Codes' first printing and sale, there have been changes to Comm 61-65 to clean up language and renumber references to other codes. A number of those separate changes went into effect at the same time as the main new Comm 61-65 package, on July 1, 2002.

*A package of pages has been developed to be inserted into already-purchased copies of the Enrolled Code. Printed copies of this latest code package are now available for purchase, for \$10, see the order form below. Or the changes may be downloaded free of charge from the Safety and Buildings Division WebSite, <http://www.commerce.state.wi.us/SB/SB-DivPublications.html>.

*If you wish to purchase a new copy of the Enrolled Code, including the newest change packages, the complete new Enrolled Code costs \$200, including shipping and handling. See the order form below.

You may download a free copy of the new replacement pages from the S&B WebSite, see above.

*Wisconsin S&B administrative codes are on the Internet, <http://www.commerce.state.wi.us/SB/SB-DivCodesListing2002.html>. (Note the Wisconsin codes online refer to International Codes, but do not provide the written ICC provisions.)

*You may purchase the Wisconsin Commercial Building Code, without the model code provisions, from state Document Sales, 800-362-7253. Then, you would also need to purchase the national version of the International Codes from some model code organizations. Total costs in that instance may be greater than the Enrolled Code.

I want to order _____ sets of replacement pages (\$10 x number = check amount _____)
I want to order _____ sets of the new Enrolled Code (\$200 x number = check amount _____)

S&B cannot process credit or debit card purchases.

Company or individual name: _____

Shipping street address: _____

Special instructions?: _____

City, state, zip: _____

Telephone number _____

Fiscal code 8035 / Personal information you provide may be used for secondary purposes [Privacy Law, s. 1504(1)(m)]

Send a copy of this form and a check to the "Safety and Buildings Division,"

Attn: Diane Magill, PO Box 2689, Madison WI 53701



Remodeling money

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Central Wisconsin CAA, **Lake Delton**, 608-266-6739, \$207,755
Community Action Rock/Walworth, **Janesville**, 608-755-2463, \$131,688
Hartford Community Development Authority, 262-673-8217, \$89,038
Indianhead CAA, **Ladysmith**, 715-532-5594, \$327,957
NEWCAP, **Oconto**, 920-834-4621, \$356,150
North Central CAP, **Wisconsin Rapids**, 715-424-2581, \$356,150
Options for Independent Living , **Green Bay**, 920490-0500, \$100,106
Outagamie County Housing Authority, **Appleton**, 920- 731-7566, \$178,076
Partners for Community Development, **Sheboygan**, 920-459-2780, \$207,755
Project Home, **Madison**, 608-246-3733, \$76,573
Racine/Kenosha CAA, **Racine**, 262-552-7249, \$89,038
Society's Assets, **Racine**, 262-637-9128, \$93,432
Southwest Wisconsin CAP, **Dodgeville**, \$178,076
City of **Superior**, 715-394-0278, \$89,038
West Central Wisconsin CAA , **Glenwood City**, 715-265-4271, \$474,869
Western Dairyland EOC, **Independence**, 715-985-2391, \$178,076
Wisconsin Coulee Region CAP, **Westby**, 608-634-3104, \$207,755
Women's Employment Project, **Sturgeon Bay**, 920-743-7273, \$59,359

Each agency is responsible for selecting how the money may be used. Funds may be distributed in the form of non-interest-bearing loans, interest-bearing loans, deferred-payment loans, grants, or other forms of assistance.

For information about the statewide program, the contact Division of Housing and Intergovernmental Relations, 608- 266-9185, fax 608-267-6917, TTY 608-267-9629.

CBI exam

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combination of the Wisconsin Code and relevant ICC provisions. Info on the "Enrolled Code" is on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-CommercialBuildingsCodeAdoption.html>.

There is also info on that WebSite page about purchasing paper copies of the Wisconsin code and the ICC codes.

S&B decided to offer its own building inspector exam after reviewing the time and costs involved in taking the available series of national certification exams. At this time, there will continue to be a single state exam for plan review and inspection of both building and HVAC code requirements.

State certification is required for code officials who review or inspect commercial or multi-family dwellings under construction in certified municipalities, in lieu of state enforcement.

The new exam was developed with the assistance of the group listed below. S&B thanks them for valuable assistance.

CBI Exam Team Members:

Dan Curran, Code Official, Superior
John Dahl, Inspector, S&B
Randy Dahmen, HVAC Consultant, S&B
John Hetzer, Code Official, Milwaukee
Tom Kasper, Plan Review Chief, S&B
Henry Kosarzycki, Agent Monitor, S&B
Larry Stilen, Plan Reviewer, S&B

Plan submittals using Comm 70, Historic Buildings Code, should show how design works

The Historic Building Code, Comm 70, has new model code provisions as part of its “prevailing code,” as of the July 1, 2002 revision of the Commercial Building Code.

These prevailing code provisions in the revised Commercial Building Code are the base for considering the 17 parameters in Comm 70 plan review.

It is now especially important for designers to provide enough review information about how a historic building fits with the prevailing code provisions.

It will help S&B plan reviewers if they can see how the parameters apply to specific projects. S&B staff have created plan submittal worksheets that can assist designers who wish to use them. Use of the worksheets is not mandatory, yet does expedite plan reviews, with both designer and reviewer seeing the same computations. If designers don’t use the worksheets, they should make a point to expressly provide their evaluations for the reviewers.

The worksheets are available on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-DivForms.html>. Plan Submittal Kits, with the worksheets, may be purchased at S&B plan review offices for \$10.

Comm 70 is an *optional* code for qualified historic buildings (Comm 70.05). In most instances, it allows to remain in place certain

existing historic features that would not be acceptable under Wisconsin’s building codes (for example, large open monumental stairs or shafts).

Building code provisions referenced by Comm 70 determine requirements for new uses or new building features. For example, a new atrium or a new heating and ventilating system would need to comply with the building code; apartments in an old historic school building would need to meet occupancy or use requirements.

Comm 70 helps maintain existing historic features of the building in exchange for enhanced life safety in other areas. The code allows “trade-offs” on 17 broad parameters for the overall building design if an appropriate safety “score” is achieved.



For more information on the subject see the S&B WebSite Library, <http://www.commerce.state.wi.us/SB/LibraryIndex.html>.

You can check your credential status on the S&B Website, <http://www.commerce.state.wi.us/SB/SB-CredentialStatusCheck.html>

email technical code questions to:

- Commercial buildings, Comm 50-64, 66, 69 bldgtech@commerce.state.wi.us
- Fire protection systems fireprotech@commerce.state.wi.us
- Plumbing, cross connection plbgtech@commerce.state.wi.us
- Private onsite wastewater treatment powtstech@commerce.state.wi.us
- Public swimming pools pooltech@commerce.state.wi.us
- Building and plumbings products productech@commerce.state.wi.us
- Licenses, certifications, registrations madisoncred@commerce.state.wi.us
- Manufactured/mobile homes manf-homes@commerce.state.wi.us
- One- and Two-family Dwelling Code udctech@commerce.state.wi.us

Safety and Buildings Offices

Green Bay Office
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Green Bay WI 54304
920-492-5601
Fax 920-492-5604
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.state.wi.us

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Madison WI 53701
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Fax 608-267-9566
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Hayward Office
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Elevator Inspectors

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Fire Protection Systems

Shawano Office
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Shawano WI 54166
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POWTS Wastewater Specialists

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Public Swimming Pool Reviewer

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Timothy Marty Appleton 920-492-5604
James Pacala Woodruff 715-296-2906
George Poblocki Amherst 715-340-0109
Roger Robbins De Pere 920-366-2470
Jerry Rowell Argyle 608-235-0577
Ted Stinson Waukesha 414-852-3627
Frank Wozniak Waukesha 414-315-8102
Rick Merkle, Superv. Madison 608-266-3037

Electrical Consultants

Monte Ewing Madison 608-225-3416
Tom Garvey Milwaukee 414-852-3696
Raymond Weber Wis. Rapids 715-571-1609
Dan Graham, Superv. Madison 608-266-0056

Plumbing Consultants

Tom Braun Stevens Point 715-340-5387
Don Hough Hayward 715-634-4804
Tim Joyce Madison 608-235-0557
Don Oremus Pelican Lake 715-584-2007
Robert Samuels Waukesha 262-424-3373
Jim Wehinger Friendship 608-235-0592
Jim Zickert Eldorado 920-948-7336

Plumbing Plan Reviewers

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Chester Kintop Waukesha 262-548-8634
Dan Kraft Madison 608-266-8075
Ken Pertzborn Madison 608-267-2242
Curt Wendorff Shawano 715-526-9056

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Pete Pagel Madison 608-266-2889
Tom Perkins Waukesha 262-521-5064
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Boiler Inspectors

Duane Leetch Cornell 715-239-6009
James Markiewicz Appleton 920-832-5287
Terry Waldbillig Waukesha 414-303-8575
Dean Yourchuck, Jr Muscoda 608-929-4578
Rick Merkle, Superv. Madison 608-266-3037

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SBD 10741-P

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Sample S&B email address:
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Specialty Telephone Contacts

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Elevators	Brian Rausch	262-521-5444
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Hospitals & Nursing Homes, DHFS		608-266-3878
Lighting	Randy Dahmen	608-266-3162
Manufactured Dwellings ..	Gary Ekes	608-575-0967
Mobile/Manufactured Homes		608-264-9597
Plan Review Status	S&B offices listed on page 10	
Refrigeration	Mike Verhagen	262-548-8617
Structural Steel Welding ...	Mike Verhagen	262-548-8617
Swimming Pool Review ...	Glen Jones	608-267-5265
Uniform Dwelling Code ...	Leroy Stublaski ...	608-267-5113
Teletypewriter (TTY)		608-264-8777

Rental Weatherization

Daniel Salopek	Sister Bay	920-854-7405
Delores Kolosovsky	Madison	608-219-7102
Madison office	Madison	608-267-2240
Brian Ferris, Superv.	La Crosse	608-785-9335

Public Sector Occupational Safety Inspectors

Scott Amacher	Cameron	715-828-5912
Terrence Clark	Stevens Point	715-571-1605
Tomothy Condon	Waukesha	414-852-3660
Manuel Juarez, Jr.	Orfordville	608-235-0558
Vernon Lemke	Green Bay	920-366-2782
Shirley Noltemeyer	Waunakee	608-235-0566
David Vriezen, Superv.	Madison	608-261-2503

Industrial Hygienists

Tom Pritchett	Harmony Grove ...	608-576-4123
Susen Trail	Green Bay	920-360-0632
Dave Vriezen, Superv.	Madison	414-416-3196

Plumbing Products Reviewers

Mike Beckwith	Madison	608-266-6742
Lee Finley	Madison	608-261-0450
Glen Schlueter	Madison	608-267-1401



Building Inspectors, Commercial & UDC

Leonard Alexander	Reedsburg	608-235-0582
John Anderson	Clintonville	715-584-2006
David Bibeau	Antigo	715-587-2450
Teresa Black	Hayward	715-634-8114
Nicholas Charles	La Crosse	715-789-5657
John Dahl	Menomonie	715-828-6985
Jane Drager	Combined Locks	920-366-2961
Steven Gothard	Cottage Grove	608-235-0568
Emil Jensen	Green Bay	920-822-2915
Chris Luster	Prairie du Chien	608-235-0581
Charlotte Martin	Edgerton	608-235-0579
John Nygard	Green Bay	920-366-2857
Peter Ochs	Fond Du Lac	920-907-5625
Sam Solberg	Stevens Point	715-345-5226
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Wisconsin Construction Codes Report

August 2002

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