

# Wisconsin Construction Codes Report, November 2003

## Plumbing and POWTS Continuing Education

"Code Update I"- Plumbing Code Revisions Effective May 1, 2003

"Code Update II"- Plumbing Bloopers - a slide show of errors. Also, ADA requirements.

"Comm 83 Update" - Intro to Stormwater, Water Service Sizing, POWTS Electrical,  
Plumbing Products Update, Component Manual Tidbits

"Soil Training"- Reporting and Recording Soil and Site Conditions

XX the classes you wish to attend = XX a.m.

### Green Bay -Thursday, December 11, 2003

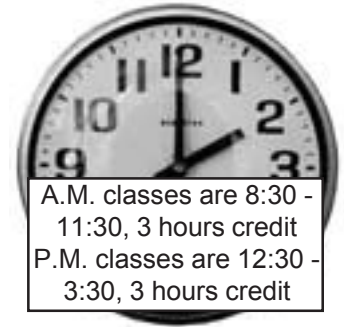
Ramada Inn, 2750 Ramada Way, 920-499-0631

\_\_\_ a.m.- "Code Update I" - MP, JP, MPRA, JPRA, MPRS, JPRS, UPI, 5894

\_\_\_ p.m.- "Code Update II" - MP, JP, UPI, 5895

\_\_\_ a.m.- "Comm 83 Update" - MP, JP, MPRS, JPRS, PI, ST, PMaintainer, 5281

\_\_\_ p.m.- "Soil Training" - MP, JP, MPRS, JPRS, PI, ST, PMaintainer, 5282



### Eau Claire -Tuesday, December 2, 2003

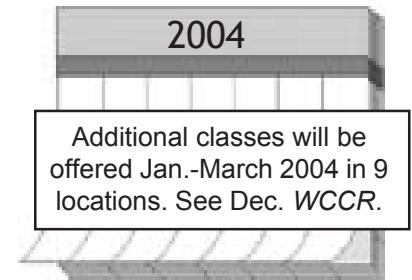
Atrium Best Western, 2851 Hendrickson Dr., 715-835-2242

\_\_\_ a.m.- "Code Update I" - MP, JP, MPRA, JPRA, MPRS, JPRS, UPI, 5894

\_\_\_ p.m.- "Code Update II" - MP, JP, MPRA, JPRA, MPRS, JPRS, UPI, 5895

\_\_\_ a.m.- "Comm 83 Update" - MP, JP, MPRS, JPRS, PI, ST, PMaintainer, 5281

\_\_\_ p.m.- "Soil Training" - MP, JP, MPRS, JPRS, PI, ST, PMaintainer, 5282



### Waukesha -Wed., Dec. 3, and Thurs., Dec. 4, 2003

Quality Inn, 2417 Bluemound Rd., 262-786-0463

\_\_\_ Wed. a.m.- "Code Update I" - MP, JP, MPRA, JPRA, MPRS, JPRS, UPI, 5894

\_\_\_ Wed. p.m.- "Code Update II" - MP, JP, MPRA, JPRA, MPRS, JPRS, UPI, 5895

\_\_\_ Thurs. a.m.- "Comm 83 Update" - MP, JP, MPRS, JPRS, PI, ST, PMaintainer, 5281

\_\_\_ Thurs. p.m.- "Soil Training" - MP, JP, MPRS, JPRS, PI, ST, PMaintainer, 5282

Registration lists will be posted on  
WebSite, <http://www.commerce.state.wi.us/SB/SB-DivContinuingEducation.html>

Pre-registration required. No walk-ins! Arrive 30 minutes early to check in!

\$40 per 3-hour class (with refreshments)

Print Clearly. No confirmation letters will be sent. Pre-registration required. Limited seating.

Personal information you provide may be used for secondary purposes. [ Privacy Law, s.15.04 (l) (m)]

Name \_\_\_\_\_ S&B Customer ID Number \_\_\_\_\_

Address \_\_\_\_\_ City/State/Zip \_\_\_\_\_

Daytime Telephone: \_\_\_\_\_ # of classes x \$40 equals check amount \_\_\_\_\_

Fiscal code 100-143-SBDV-323R-SG72-7630

Mail this registration form and check to: Safety and  
Buildings, Roberta Ward, PO Box 2689, Madison,  
WI 53701-2689

Professional Development

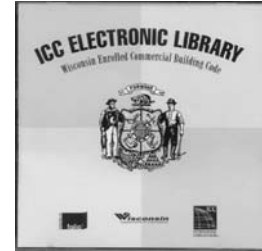


# Wisconsin Enrolled Commercial Building Code Order Form

The Enrolled Commercial Building Code includes the provisions of Wisconsin Comm 61-65, Building and Heating, Ventilation, and Air Conditioning, plus the relevant adopted sections of the International Code Council model codes.

- Number of sets of the paper version (\$200 per set) \_\_\_\_\_
- Number of copies of the single-user, compact-disc version (\$240 per copy) \_\_\_\_\_

Send check for the total amount to the "Safety and Buildings Division"  
Attn: Roberta Ward, PO Box 2689, Madison WI 53701  
(Safety and Buildings cannot process credit or debit card purchases.)



Company or individual name: \_\_\_\_\_

Shipping street address: \_\_\_\_\_

Special instructions, such as shipping company and your customer number for overnight shipping:

\_\_\_\_\_

City, state, zip: \_\_\_\_\_

Telephone number \_\_\_\_\_

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

— — — — —  
**You may check your continuing  
education records on the S&B WebSite,**  
[http://www.commerce.state.wi.us/SB/SB-  
CredentialStatusCheck.html](http://www.commerce.state.wi.us/SB/SB-CredentialStatusCheck.html).

**Q&A about the Wisconsin  
Commercial Building Code  
is on the S&B WebSite**  
[http://www.commerce.state.wi.us/SB/SB-  
CommercialBuildingsCodeAdoption  
Questions.html](http://www.commerce.state.wi.us/SB/SB-CommercialBuildingsCodeAdoptionQuestions.html)

## *Wisconsin Construction Codes Report*

The *WCCR* is a monthly publication of the Safety and Buildings Division, Wisconsin Department of Commerce. For a year's mail-delivery paper 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

### To schedule an appointment (commercial/ multifamily buildings, pools, or plumbing):

- Fax: 24-hour toll-free number for appointment scheduling, 877-840-9172
- Email: [planschedule@commerce.state.wi.us](mailto:planschedule@commerce.state.wi.us)
- S&B WebSite (buildings only): <http://www.commerce.state.wi.us/SB/SB-DivScheduling.html>

### For application forms:

- On the S&B WebSite (choose "Get Forms," <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>

### Info about status of plan review:

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

# Plan review scheduling simplified for HVAC designers

At the suggestion of plan review customers, the Safety and Buildings Division has decided it will be more efficient for HVAC designers if, when scheduling an appointment, they did not have to provide building data that would already be in the S&B computer system.

An ad hoc group of S&B staff and some plan review customers met to discuss the review appointment scheduling process. It was decided that S&B will directly address the paperwork with the next update of our plan review application form.

Until it is clearly spelled out on the form, the division will use the following procedure.

**If the HVAC designer can provide the building approval transaction number when scheduling, they will not need to provide the following information:**

- ✓ Application box #2 - Occupancy Type
- ✓ Application box #3 - Construction Information
- ✓ Application box #4 - Site information (Exception: If there are multiple buildings on the transaction, which building(s) are being submitted must be identified.)

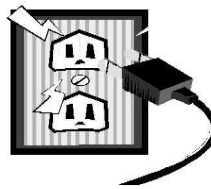
Note that in the Customer area: Only the HVAC designer and supervising professional (if changed) will be needed.

If you have questions, please contact Mary Jacobson, Customer Service Section Chief, 608-266-8456, [mjacobson@commerce.state.wi.us](mailto:mjacobson@commerce.state.wi.us).

You may search S&B computer records for Cross Connection Control Device information. See the plumbing program page, <http://www.commerce.state.wi>.

## Electrical Q&A

Based on the 2002 National Electrical Code. For info, contact one of the S&B Consultants listed below.



**Question:** Did they change the requirement for ground-fault protection of receptacles that are installed within six feet of a water outlet in a residence?

**Answer:** The 1993 NEC required ground-fault circuit-interrupter (GFCI) protection for receptacles serving countertop surfaces within six feet of a wet bar or kitchen sink. The 6-foot measurement at kitchen sinks was removed in the 1996 NEC, leaving a requirement that all receptacles serving kitchen countertops have GFCI protection. Section 210.8(A) is very specific as to where GFCI protection is required in dwellings.

**Comm 16.20(2)(e) adopting the 2002 NEC requires that all receptacles serving countertop surfaces within six feet of a sink in a dwelling unit be provided with GFCI protection.**

**Question:** I hung fluorescent fixtures from jack chain supported by three-quarter inch electrical metallic tubing. The EMT is not being used as a raceway. It is used solely for the support of the fixture. The EMT is fastened at each end to the top of bar joists using drive-on "Caddy" hangers. Fixture weight is less than six pounds and the EMT supports are less than 60 inches long. Is there a code violation here?

**Answer:** No, the installation complies with the NEC requirement for secure support of luminaires and lampholders found in Section 410.15(a). The electrical metallic tubing is used for secure mechanical support and it appears that you are following Section 410.14(A) for the support of luminaires independent of the outlet box.

### Electrical Consultants

Monte Ewing .... Madison ..... 608-225-3416  
Tom Garvey ..... Milwaukee ..... 414-852-3696  
Raymond Weber Wis. Rapids ..... 715-571-1609

# Elevator “topics of interest” is subject of article

An article discussing topics of interest related to building design for new elevators is available.

Written by Brian Rausch, S&B Elevator Code Consultant and Plan Reviewer, the piece offers special points about a number of important elevator topics:

- Access to elevator machine rooms.
  - Access to other building spaces and equipment.
  - Ventilation for elevator machine rooms.
  - Clearances in elevator machine rooms.
  - Elevator machine room sign.
  - Fire ratings, fire stopping, listed penetrations.
  - Hoistway venting.
  - Machine beams.
  - Elevators in medical facilities and in buildings four stories or more in height.
  - Responsibility of the Supervising Professional.
- Until recently, elevators and elevator products seemed relatively unchanging. Now, the industry is developing several new products including

traction elevators that do not require penthouse machine rooms (called machine-room-less or MRL).

Another example is that new destination-oriented elevator systems change the way passengers call an elevator and select their destination in mid-rise and high-rise buildings, reducing the total time spent riding elevators and the number of elevators needed for the building.

Other systems are being studied that could allow for some use of elevators during emergencies. As new products are developed, codes will change accordingly to provide for the safety of the riding public. So stay tuned for more on Elevators.

The “topics” article is on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-LibraryIndex.html>, or is available from Todd Taylor, [ttaylor@commerce.state.wi.us](mailto:ttaylor@commerce.state.wi.us), 608-267-3606.



## Wisconsin Commercial Building Code Certification Training

**2004 Milwaukee Winter Session Tuesdays, Jan. 6 thru April 13**

*Classes will be at the City of Milwaukee Neighborhood Services Bldg, 4001 South 6th Street*

**Northeast Winter Session, Wednesdays Jan. 7 thru April 21, 2004.**

The class planned for the Shawano area. More info as available.

Classes held weekly from 9:30 a.m. until 3:30 p.m. Lunch breaks will be from noon until 1 p.m. Lunch will not be provided. The cost of the 15 weeks is \$240.

Registration forms on the WebSite, <http://www.commerce.state.wi.us/SB/SB-DivContinuingEducation.html>, or call Henry Kosarzycki, 262-548-8615

## Fax or email technical code questions to:

- Commercial buildings, Comm 61-65 .....	608-283-7402 .....	<a href="mailto:bldgtech@commerce.state.wi.us">bldgtech@commerce.state.wi.us</a>
- Fire protection systems .....	608-283-7405 .....	<a href="mailto:fireprotech@commerce.state.wi.us">fireprotech@commerce.state.wi.us</a>
- Plumbing, cross connection .....	608-283-7403 .....	<a href="mailto:plbgtech@commerce.state.wi.us">plbgtech@commerce.state.wi.us</a>
- Private onsite wastewater treatment .....	608-283-7404 .....	<a href="mailto:powttech@commerce.state.wi.us">powttech@commerce.state.wi.us</a>
- Public swimming pools .....	608-283-7406 .....	<a href="mailto:pooltech@commerce.state.wi.us">pooltech@commerce.state.wi.us</a>
- Building and plumbings products .....	608-283-7407 .....	<a href="mailto:productech@commerce.state.wi.us">productech@commerce.state.wi.us</a>
- Licenses, certifications, registrations .....	608-283-7400 .....	<a href="mailto:madisoncred@commerce.state.wi.us">madisoncred@commerce.state.wi.us</a>
- Manufactured/mobile homes .....	608-283-7401 .....	<a href="mailto:manf-homes@commerce.state.wi.us">manf-homes@commerce.state.wi.us</a>
- One- and Two-family Dwelling Code .....		<a href="mailto:udctech@commerce.state.wi.us">udctech@commerce.state.wi.us</a>



## Experimental blackwater reuse systems are an option

The Aquamake wastewater recycling system was approved by the Safety and Buildings Division for experimental installation in Wisconsin.

There are strict stipulations regulating the installation and monitoring of up to 25 units approved by S&B for Environmental Plumbing Solutions of Milwaukee.

The December *WCCR* will have an in-depth look at the approval, and wastewater reuse. If you have questions on the subject, contact Glen Schlueter, S&B plumbing product consultant, 608-267-1401, [gschlueter@commerce.state.wi.us](mailto:gschlueter@commerce.state.wi.us).

## Reminder: Refrigeration code changes November 1

Changes to Comm 45, Mechanical Refrigeration administrative code, went into effect November 1, 2003, notably with the adoption of the International Mechanical Code (IMC-2000), ASHRAE 15-1994, and IIR-2 1999 International Standards.

For more information, see article in the September *WCCR*, or on the S&B WebSite, [http://www.commerce.state.wi.us/SB/SB-Refrigeration SystemsProgram.html](http://www.commerce.state.wi.us/SB/SB-RefrigerationSystemsProgram.html).

### Sign-up for S&B program email groups

Email groups have been set up for six specific S&B programs: Plumbing, Commercial Buildings, POWTS, Uniform Dwelling Code, Public Sector Safety, and Forms. You can sign up to receive occasional messages from the Safety and Buildings Division with news that is important if you're interested in that program topic. See the S&B WebSite:

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



## Robbins, Meyer, and Buschke retire

Roger Robbins, Richard Meyer, and Jon Buschke retired from state service with the Safety and Buildings Division in early October.

Robbins was an elevator inspector, Meyer the supervisor of the Commerce Department's code development unit, and Buschke a building plan reviewer.

As a 33-year veteran of the division, Meyer was one of the division's longest serving staff, while Buschke had 24 years, and Robbins 17.

### Pages for individual S&B programs on the WebSite

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



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Phone 920-901-6000, Fax 920-682-8311

# “Can this waste discharge to the sanitary system?”

That’s a question that S&B plumbing staff hear regularly.

By Jim Miller, S&B Section Chief, [jhmiller@commerce.state.wi.us](mailto:jhmiller@commerce.state.wi.us), 608-266-8072

Comm 82.30 sets forth the requirements for the design and installation of sanitary drain systems. With few exceptions, all fixtures listed in Comm Table 82.30-1 must discharge to the sanitary drain system.

Question: Can storm water be discharged to the sanitary system? If so, how much?

The answer is storm water cannot be sent to the sanitary system (unless it is allowed per 82.38).

Well, if I cannot discharge storm water to the sanitary system, how about clear water? If so, how much?

The answer to this is found in Comm 82.36 (3)(a), “Clear water may be discharged to a sanitary drain system which connects to a publicly-owned treatment works, if the clear water discharge from the building is not more than 50 gallons per day.”

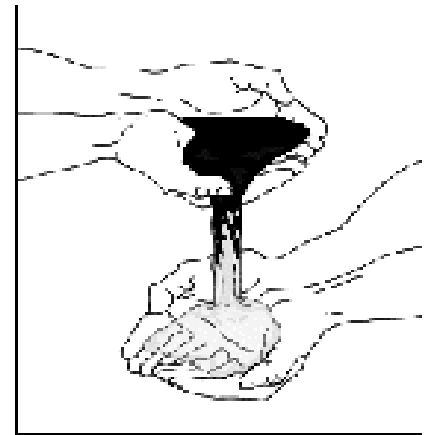
So, clear water such as condensate from cooling coils or air conditioners may be directed

to the sanitary system, but not more than mentioned above.

Remember that the wastewater treatment facility has to properly treat all water sent its way. The more water it treats, the more it costs the billpayer.

Reducing the flow to these plants allow them to keep functioning without adding onto to the facility, which helps dictate the size of your sewer bill.

If you have questions on what can or cannot go to the sanitary or storm sewer system, contact a plumbing plan reviewer listed on page 10.



More plumbing and POWTS continuing education info will be in the Decmber WCCR and is online, <http://www.commerce.state.wi.us/SB/SB-DivContinuingEducation.html>

**Apprentices, take notice. No plumbing in Wisconsin without the proper license or registration!**



Apprentices wear two hats while performing plumbing work.

The state Bureau of Apprenticeship Standards in the Department of Workforce Development sets requirements for apprentice’s training and administers the indenture system. (Apprentices need to annually renew the DWD apprentice registration!)

That apprenticeship indenture agreement does not do away with the need for an apprentice to maintain their plumbing registration with the Safety and Buildings Division of the Department of Commerce. The law [Chapter 145.06(1)(a)] says: “No person may act as a plumbing apprentice or pipe layer unless registered with the department.” For info contact the S&B Credentialing Unit, 608-261-8500, [madisoncred@commerce.state.wi.us](mailto:madisoncred@commerce.state.wi.us).

## Commercial Buildings Q&A on the WebSite

Q&A's on the Wisconsin Commercial Buildings Code sections noted below have recently been added to <http://www.commerce.state.wi.us/SB/SB-CommercialBuildingsCodeAdoptionQuestions.html>.

IBC 2902.1 and Table 2902.1 Child day care facility washing arrangements

Comm 62.1403(1) and Comm 62.0202(1)(a)  
Air retarder/ air barrier

## Fees set for 2004 manufactured/mobile home title processing

A \$9 natural resources fee for processing manufactured/mobile home title certificates will be discontinued on Dec. 31, 2003.

The new, lower 2004 S&B fees will be:

- Title (original and transfer) Fee - \$16
- Title Replacement Fee - \$ 8
- Surviving Spouse Title Fee - \$ 8.50
- Loan Filing Fee (each) - \$4

New application forms will be on the S&B WebSite after January 1, 2004, <http://www.commerce.state.wi.us/SB/SB-DivForms.html>. If you need other manufactured/mobile home assistance, call 608-264-9596.

### State administrative codes are on the Internet, [http://](http://www.legis.state.wi.us/rsb/code/codtoc.html)

[www.legis.state.wi.us/rsb/code/codtoc.html](http://www.legis.state.wi.us/rsb/code/codtoc.html). Paper copies may be purchased from Document Sales, 800-362-7253, for credit card purchases, or 608-266-3358.

## Recently approved building material evaluations

200317-A 8-Unit, 2-Story Apartment Module Egress Layout, Toonen Companies.

200315-G (Replaces 200109-G) Pyroscat Fire Barrier Insulation Systems, Vesuvius.

(Evaluation letters are available on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-CommercialBuildingsXProductE.html>, or contact Margaret Slusser, [mslusser@commerce.state.wi.us](mailto:mslusser@commerce.state.wi.us), 608-261-6546.)

### Delegated Agents

Some municipalities in Wisconsin have authority to do building or fire protection 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](http://www.commerce.state.wi.us/SB/SB-CommercialBuildingsCertifiedMunicipalities.html).

### Purchase a compact disc electronic copy of the "Wisconsin Enrolled Commercial Building Code," Comm 61-65.

See <http://www.commerce.state.wi.us/SB/SB-DivCodesListing.html>.  
Or see page 2 of this WCCR.

Plumbing information in a Q&A format organized by code section is on the S&B WebSite: <http://www.commerce.state.wi.us/SB/SB-PlumbingDatabaseReport.html>

# Don't be surprised by a community well setback

by Roman Kaminski, S&B POWTS Program Manager, rkaminski@commerce.state.wi.us, 715-345-5334

Some private onsite wastewater treatment system installers have been surprised to find out that the dispersal cells they were installing were judged too close to a well.

The installers hadn't realized that the well they had identified and measured from served a Community Water System as is defined in NR 811, Department of Natural Resources code ("Requirements of Operation and Design of a Community Water System").

A portion of the NR811 requirements addresses horizontal setback distances from wells that serve community systems to various potential sources of contamination such as POWTS.

A community water system is defined as a public water system that serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents.

Any water system serving seven or more homes, 10 or more mobile homes, 10 or more apartment units or 10 or more condominium

units is a community system.

NR 811.16(4)(d)3 lists as 400 feet the horizontal setback between a well serving a community water system and a "septic tank or soil adsorption unit receiving less than 8,000 gallons per day."

If the "septic tank or soil adsorption unit" receives 8,000 gallons per day or more, the distance is 1,000 feet.

Comm Table 83.43-1 of the POWTS Code lists horizontal setback distances and includes a reference to NR 811 and NR 812. The reason for that is that both of these code chapters contain a variety of setback distances in addition to the traditional 50 feet that used to be listed in previous versions of Comm 83.

POWTS designers and installers must make sure that they identify any wells on the property where a POWTS is proposed to be installed, as well as on surrounding properties. However, also remember to inquire as to the type of well that to determinethe appropriate horizontal setback.



**If you hear someone remark they didn't see the October WCCR**, please remind them that the publication is no longer sent out free to all plumbing credential holders. See page 10 for subscription info. The publication is available free on the S&B WebSite 2-3 weeks before paper copies are mailed, <http://www.commerce.state.wi.us/SB/SB-DivPublications.html>. You can receive an email notice of when the publication is online, <http://www.commerce.state.wi.us/SB/SB-DivEmailSignup.html>.

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**To receive a monthly email notifying you when the WCCR is placed on the S&B WebSite**, send your email address and name to Todd Taylor, [ttaylor@commerce.state.wi.us](mailto:ttaylor@commerce.state.wi.us). There is also a spot to sign up for the email list, on the division's Publications Page: <http://www.commerce.state.wi.us/SB/SB-Divpublications.html>.





**Two Uniform Dwelling Code, Comm 20-25, information memos** have been prepared by Larry Swaziek, S&B UDC Program Manager, [Lswaziek@commerce.state.wi.us](mailto:Lswaziek@commerce.state.wi.us), 608-267-7701. The memos relate to Comm 21.03(1)(h), Exits from a Small Dwelling, and Comm 21.12, Finished Grade Slope. The memos are online, <http://www.commerce.state.wi.us/SB/SB-OneAndTwoFamilyProgram.html>, or can be obtained from Todd Taylor, S&B Communications Specialist, [ttaylor@commerce.state.wi.us](mailto:ttaylor@commerce.state.wi.us), 608-267-3606.

This page contained an image of the S&B WebSite  
Homepage that, alas, would not work as part of this PDF.

*Information about the S&B WebSite: Todd Taylor, [ttaylor@commerce.state.wi.us](mailto:ttaylor@commerce.state.wi.us) or 608-267-3606.*

## Safety and Buildings Offices

Green Bay Office  
2331 San Luis Pl #150  
Green Bay WI 54304  
920-492-5601  
Fax 920-492-5604  
planschedule@commerce  
.state.wi.us

Hayward Office  
10541N Ranch Rd.  
Hayward WI 54843  
715-634-4870  
Fax 715-634-5150  
planschedule@commerce  
.state.wi.us

La Crosse Office  
4003 North Kinney  
Coulee Road  
LaCrosse WI 54601  
608-785-9334  
Fax 608-785-9330  
planschedule@commerce  
.state.wi.us

Madison Office  
201 W Washington Ave  
PO 2658  
Madison WI 53701  
608-266-3151  
Fax 608-267-9566  
planschedule@commerce  
.state.wi.us

Shawano Office  
1340 E Green Bay St #300  
Shawano WI 54166  
715-524-3626  
Fax 715-524-3633  
planschedule@commerce  
.state.wi.us

Waukesha Office  
141 NW Barstow St, 4th flr  
Waukesha WI 53186  
262-548-8600  
Fax 262-548-8614  
planschedule@commerce  
.state.wi.us

### Elevator Inspectors

David Holmes .....	Eau Claire .....	715-828-5901
Jim Kreuzer .....	Tomah .....	608-235-0603
Timothy Marty .....	Appleton .....	920-428-9422
James Pacala .....	Woodruff .....	715-296-2906
George Poblocki .....	Amherst .....	715-340-0109
Ted Stinson .....	Waukesha .....	414-852-3627
Frank Wozniak .....	Waukesha .....	414-315-8102
Dan Graham, Superv. ...	Madison .....	608-266-0056

### Fire Protection Systems

Keith Glaunert .....	Waukesha .....	262-548-8604
Lynne LeCount .....	Green Bay .....	920-492-7727
Bill Sullivan .....	Madison .....	608-266-9643

### POWTS Wastewater Specialists

Ross Fugill .....	Shawano .....	715-524-3629
Leroy Jansky .....	Chippewa Falls ...	715-726-2544
Matthew Janzen .....	Stevens Point .....	715-345-5336
Carl Lippert .....	Hayward .....	715-634-3484
Karl Schultz .....	Oshkosh .....	920-428-9719
Dennis Sorenson .....	La Crosse .....	608-785-9336
Duane Steiner .....	Baraboo .....	608-235-0608
Allen Wendorf .....	Madison .....	608-235-0595
Harold Stanlick, Superv.	Waukesha .....	262-521-5065

### Public Swimming Pool Reviewer

Glen Jones .....	Madison .....	608-267-5265
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## Industrial Hygienists

Tom Pritchett .....	Lodi .....	608-576-4123
Susan Trail .....	Athens .....	715-571-4540
Dave Vriezen, Superv. ...	Madison .....	608-261-2503

### Plumbing/Pool Consultants

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