



Inspector Association WINTER UPDATE 2015

ADMINISTRATIVE UPDATE UDC Program

Presenter: Lenny Kanter

UDC Engineering Consultant

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WI BUILDING INSPECTOR ASSOCIATION WINTER UPDATE - UDC TODAYS AGENDA ROOM 1

- ⦿ 8:00-8:30 am DSPS Adm. Update - Lenny K
- ⦿ 8:30-10:00 am Wall Bracing - Duane H
- ⦿ 10:00-10:15 am BREAK
- ⦿ 10:15-11:45 am Truss Bracing - Truss Assoc.
- ⦿ 11:45-12:45 pm LUNCH
- ⦿ 12:45-1:45 pm DHS Occupancies - DHS Staff
- ⦿ 1:45-2:45 pm Fuel Gas Piping - Local Utility
- ⦿ 2:45-3:00 pm BREAK
- ⦿ 3:00-4:00 pm Code Roundtable Q and A - Duane H

WI BUILDING INSPECTOR ASSOCIATION WINTER UPDATE - UDC TODAYS AGENDA ROOM 2

- ⦿ 8:00-9:30 am Truss Bracing - Truss Assoc.
- ⦿ 9:30-10:00 am DSPS Adm. Update - Lenny K
- ⦿ 10:00-10:15 am BREAK
- ⦿ 10:15-11:45 am Wall Bracing - Duane H
- ⦿ 11:45-12:45 pm LUNCH
- ⦿ 12:45-1:45 pm Fuel Gas Piping - Local Utility
- ⦿ 1:45-2:45 pm Code Roundtable Q and A
- ⦿ 2:45-3:00 pm BREAK
- ⦿ 3:00-4:00 pm DHS Occupancies - DHS Staff

ADMINISTRATIVE UPDATE

- DSPS Organization
- Administrative Audits (gentle reminder)
- UDC Council & Updates
- Web Site Applications

CHANGES

- ◉ **Dept. of Safety and Professional Services**
(formerly Dept. of Commerce)
- ◉ **Department Mergers ?**
- ◉ **Division of Industry Services**
(formerly Division of Safety and Buildings)
- ◉ **Location 1400 E. Washington Ave.**
(formerly 201 West Washington Ave)
Madison, WI 53703

SAFETY & PROFESSIONAL SERVICES DEPARTMENT ORGANIZATION

Secretary: Dave Ross

Deputy Secretary: Tom Engles

Industry Serv. Administrator: Jeff Weigand

Deputy Administrator: Vacant

DIVISION OF INDUSTRY SERVICES

- ◉ 2 Bureaus:

- ◉ **Technical Services**, Paula Veltum,
Director

- ◉ **Field Services**, Robin Zentner,
Director

FIELD SERVICES BUREAU

- ◎ Brian Ferris, Section Chief over Commercial Building Inspectors
- ◎ Paula Veltum, Section Chief over Electrical Program
- ◎ Brad Johnson, Section Chief over POWTS

TECHNICAL SERVICES BUREAU

- ◉ Steve Dobratz, Section Chief over Commercial Plan Review & **UDC**
- ◉ Sharon Blattner Held, Section Chief over Commercial Plan Review & Fire Suppression Plan Review
- ◉ Tom Braun, Section Chief over Plumbing

UDC PROGRAM ASSIGNMENTS

- ◉ Program Manager: No One
- ◉ Bureau Director : Paula Veltum
(608) 266-1816
- ◉ Supervisor: Steve Dobratz (920) 492-5611
- ◉ E-mail `firstname.lastname@wisconsin.gov`

UDC PROGRAM ASSIGNMENTS

UDC Consultants:

Jack Wotruba (920) 360-0020

Duane Hubeler (608) 266-1390

Lenny Kanter (608) 261-6541



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UDC Audits

A Friendly Reminder

- ◉ Nothing to Fear - Less Invasive Than a Root Canal
- ◉ One Day of My Time - 2 to 5 Hours of Yours
- ◉ Review of Permits, Plan Sets, Heat Loss Calcs, Plan Review Notes, Inspection Records and Notes
- ◉ Field Audit for Erosion Control Enforcement
- ◉ Reports mailed to municipal clerks

DSPS ADMINISTRATIVE **CODE UPDATES**

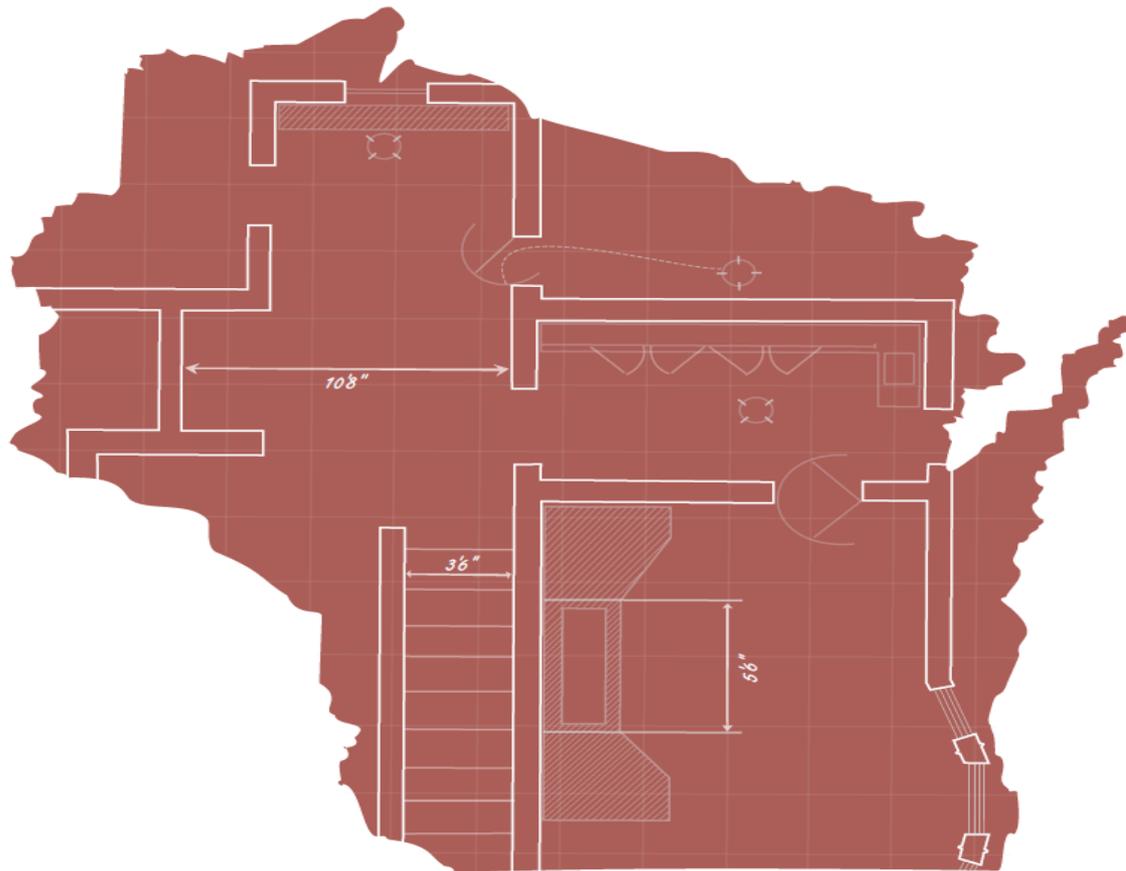
UDC COUNCIL

- ◉ Started meeting in September of 2013. Has met on and off since last monthly meeting held June 4, 2014
- ◉ Comparison between current UDC and the changes to the 2009 & 2012 IRC
- ◉ Wall Bracing & Decks.

EMERGENCY WALL BRACING RULE BECAME PERMANENT SPS 321.25(8) SEPTEMBER 1, 2014

LATEST UDC CODE REVISION





WISCONSIN DWELLING CODE COUNCIL

DEPARTMENT OF SAFETY AND
PROFESSIONAL SERVICES

One- and Two-Family Dwelling Code Review and Recommendations
July 2014

CURRENT PROJECTS

- **SPS 320-325 (Uniform Dwelling Code)**
 - Report of recommended changes completed July 2014
 - Wall Bracing Permanent Rules effective September 1, 2014
 - Finalizing rule changes recommended in the report effective some time around the spring 2015

- **SPS 326, 321.40 (Manufactured Housing)**

Changes effective September 1, 2014

 - 321.40 Codifies the HUD installation standards in UDC
 - 326 Administrative Rules for Communities
 - Questions: Contact Jack Wotruba

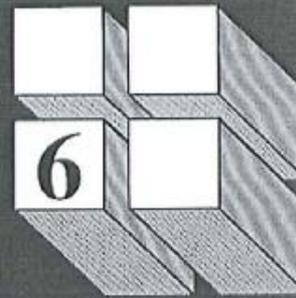
Recommended Changes

SPS 321.225 Decks(1) Decks attached to dwellings and any detached deck that serves an exit shall comply with the with the applicable provisions of subch.s II to X

SPS 321.225(2) A deck that complies with the standard in Appendix B, and Appendix C if applicable, shall be considered as complying with sub. (1).

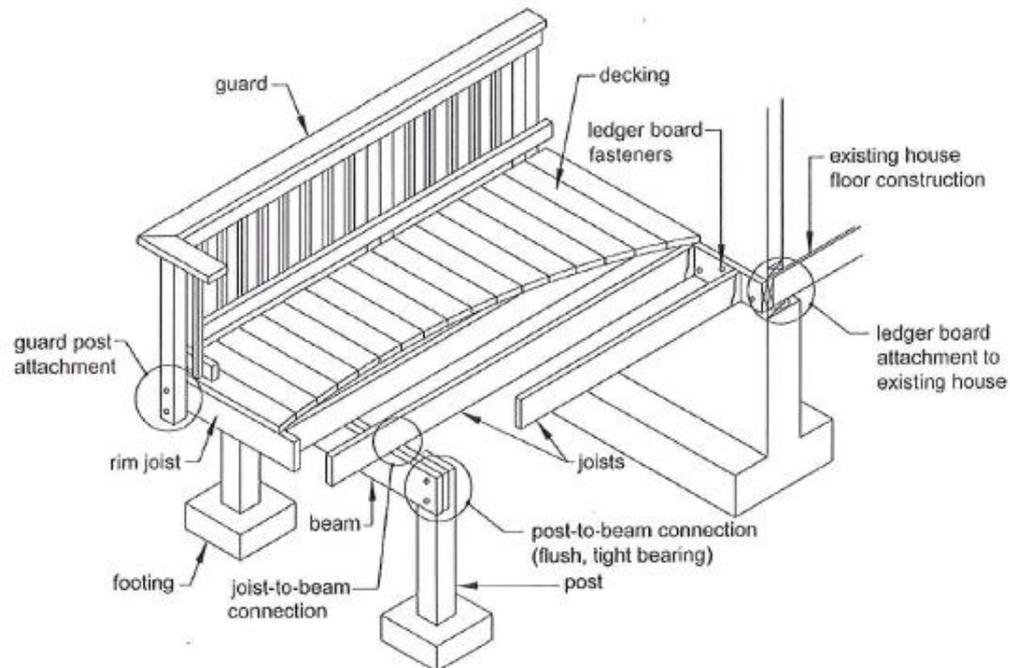


Design for Code Acceptance



Prescriptive Residential Wood Deck Construction Guide

Based on the *2009 International Residential Code*



SPS 320 – 325 Appendix B

Prescriptive Deck Standards

CONTENTS

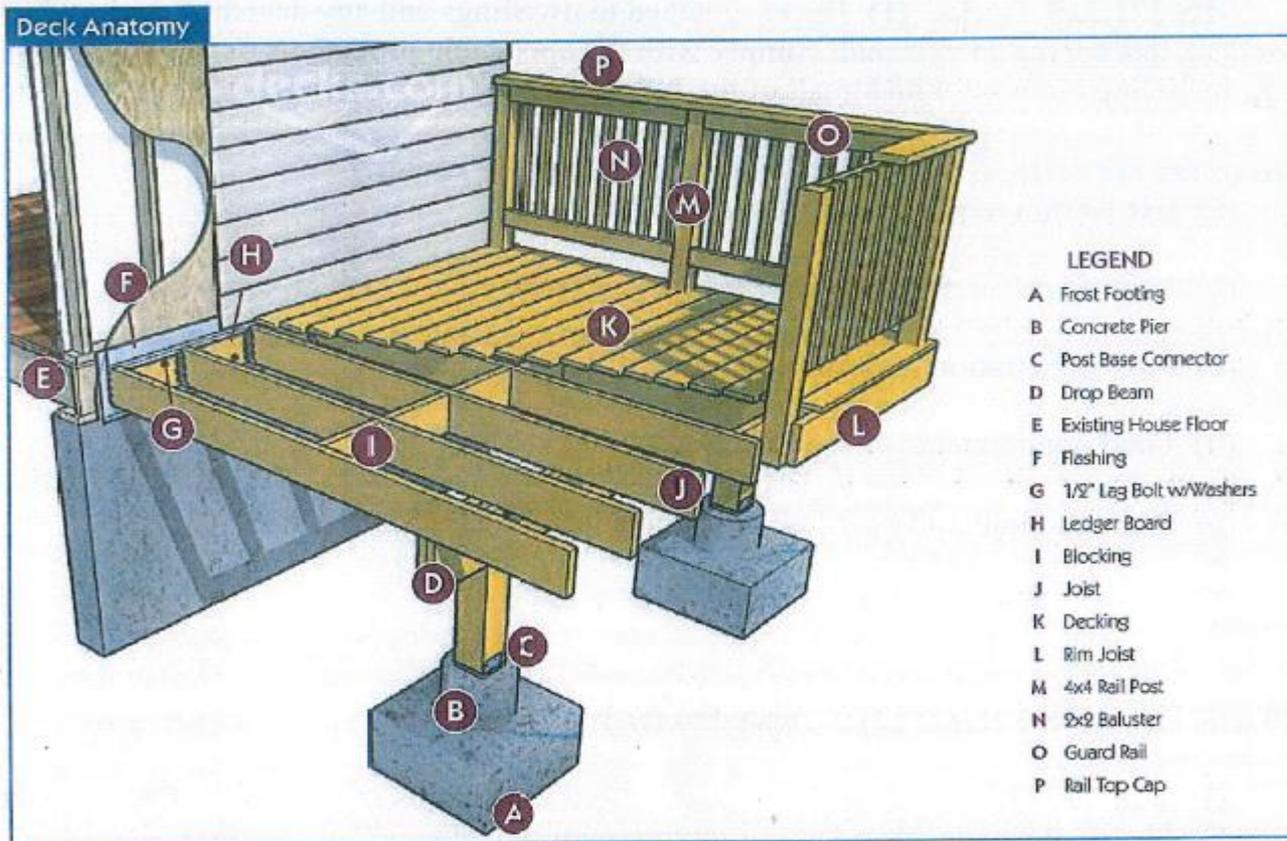


Table 1
FOOTING SIZE (In Inches)^{1,2,3}

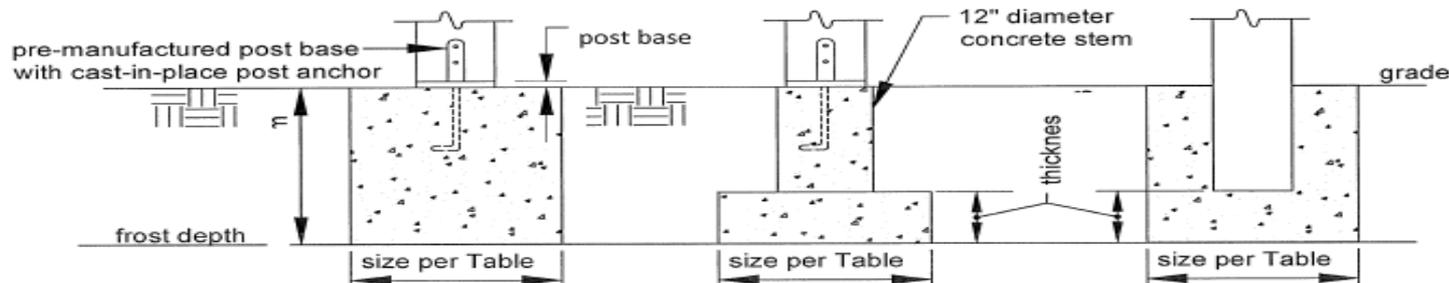
			Post Spacing (Measured Center to Center)										
			4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'
Joist Length	6'	Corner Footing	8	9	10	11	11	12	12	13	14	14	15
		Intermediate Footing	10	11	12	13	14	15	15	16	17	17	18
		Footing Thickness	6	6	6	6	6	6	6	6	6	6	6
	7'	Corner Footing	9	10	11	11	12	13	13	14	15	15	16
		Intermediate Footing	11	12	13	14	15	16	17	17	18	19	19
		Footing Thickness	6	6	6	6	6	6	6	6	8	8	8
	8'	Corner Footing	10	10	11	12	13	14	14	15	15	16	17
		Intermediate Footing	12	13	14	15	16	17	18	19	19	20	21
		Footing Thickness	6	6	6	6	6	6	8	8	8	8	8
	9'	Corner Footing	10	11	12	13	14	14	15	16	16	17	18
		Intermediate Footing	12	14	15	16	17	18	19	20	20	21	22
		Footing Thickness	6	6	6	6	6	8	8	8	8	8	8
	10'	Corner Footing	10	12	12	13	14	15	16	16	17	18	18
		Intermediate Footing	13	14	15	17	18	19	20	21	21	22	23
		Footing Thickness	6	6	6	6	8	8	8	8	8	8	10
	11'	Corner Footing	11	12	13	14	15	16	16	17	18	19	19
		Intermediate Footing	13	15	16	17	19	20	21	22	22	23	24
		Footing Thickness	6	6	6	6	8	8	8	8	8	10	10
12'	Corner Footing	11	12	14	15	15	16	17	18	19	19	20	
	Intermediate Footing	14	15	17	18	19	20	21	22	23	24	25	
	Footing Thickness	6	6	6	8	8	8	8	8	10	10	10	10
13'	Corner Footing	12	13	14	15	16	17	18	19	19	20	21	
	Intermediate Footing	14	16	17	19	20	21	22	23	24	25	26	
	Footing Thickness	6	6	6	8	8	8	8	10	10	10	10	10
14'	Corner Footing	12	13	15	16	17	18	18	19	20	21	22	
	Intermediate Footing	15	17	18	19	21	22	23	24	25	26	27	
	Footing Thickness	6	6	8	8	8	8	10	10	10	10	10	10
15'	Corner Footing	12	14	15	16	17	18	19	20	21	22	22	
	Intermediate Footing	15	17	19	20	21	23	24	25	26	27	28	
	Footing Thickness	6	6	8	8	8	10	10	10	10	10	10	12
16'	Corner Footing	13	14	15	17	18	19	20	20	21	22	23	
	Intermediate Footing	16	18	19	21	22	23	25	26	27	28	29	
	Footing Thickness	6	8	8	8	8	10	10	10	10	12	12	12

¹All footing sizes are base diameters².

²For square footings, insert the diameter (d) into the following formula: $\sqrt{((d/2)^2 \times \pi)}$. This number will give you the square dimension and must be rounded up to the nearest inch.

³Joist length is the joist span plus any overhang beyond a beam. See section 5.4.

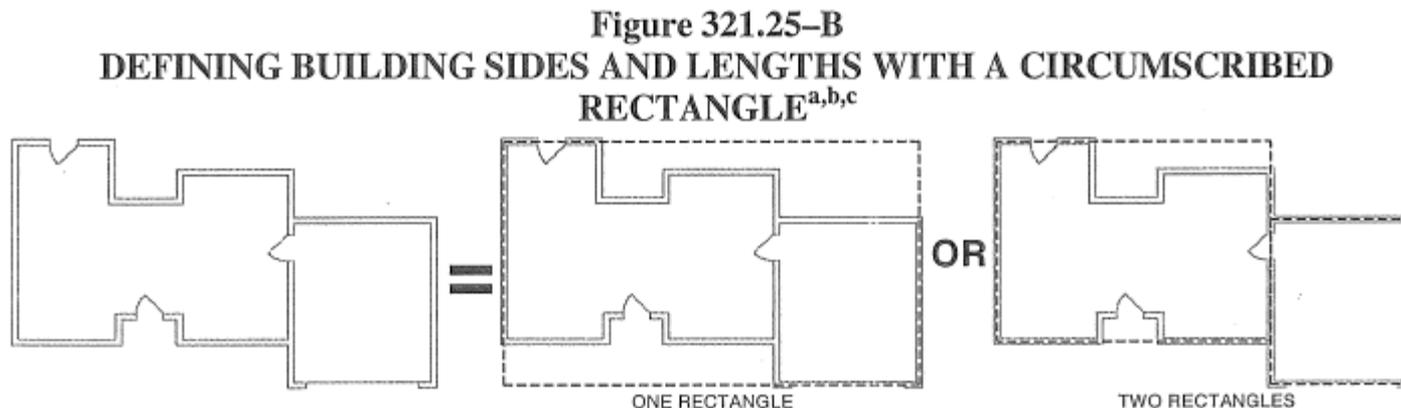
Figure 1
FOOTINGS



Other Proposed Changes

SPS 320.09 (5) (b) 2. d. is amended to read:

SPS 320.09 (5) (b) 2. d. The location and construction details of wall bracing on each building side and floor level. The details shall include a legend showing which wall-bracing method is used and the lengths or number of braced wall panels – and demarcation of the circumscribed rectangles if more than one is used.



2013 WISCONSIN ACT 143

Established new licensure standards for electricians which went into effect on April 1, 2014. These standards require all individuals (see Act 143 for exemptions) engaged in the business of installing, repairing, and maintaining electrical wiring be licensed by the Wisconsin Department of Safety and Professional Services (DSPS). The new licensure law allows “grandfathering” of any person with 15 years of experience who was born on or before January 1, 1956.

SPS 305.437(2) establishes the qualifications for registration of person with 15 years of experience who was born on or before January 1, 1956.

WI State Statute 101.862 - License or registration required.

<http://docs.legis.wisconsin.gov/statutes/statutes/101/IV/862/>

CODE REVISIONS

- ⦿ Code revision work is not done by the **Division of Industry Services**
- ⦿ Since October 2011, all DSPS code development is done in the Department's **Division of Policy Development.**

ACTIVE RULEMAKING PROJECTS

WISCONSIN
DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES

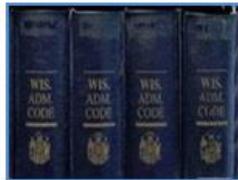
Boards and Councils | Licenses/Permits/Registrations | Online Services | Plan Review | Complaints & Inspections | Other Services

ADMINISTRATIVE RULES AND STATUTES

There are many laws, rules, and regulations covering the various professions and services for which the Department of Safety and Professional Service (DSPS) has responsibility. These laws, rules, and regulations come from actions of the Legislative and Executive Branches which pass laws that modify Wisconsin Statutes and the Rulemaking process which involves agencies such as DSPS working together with professional boards to develop rules which will carry out requirements set out in Wisconsin Statutes. These rules, when they are developed and finalized, become part of the Wisconsin Administrative Code. More information on each of these topics can be found by following the links below.



[Wisconsin Statutes](#)



[Wisconsin Administrative Code](#)



[Profession/Entity Specific Statutes and Administrative Rules](#)



[Rulemaking](#)

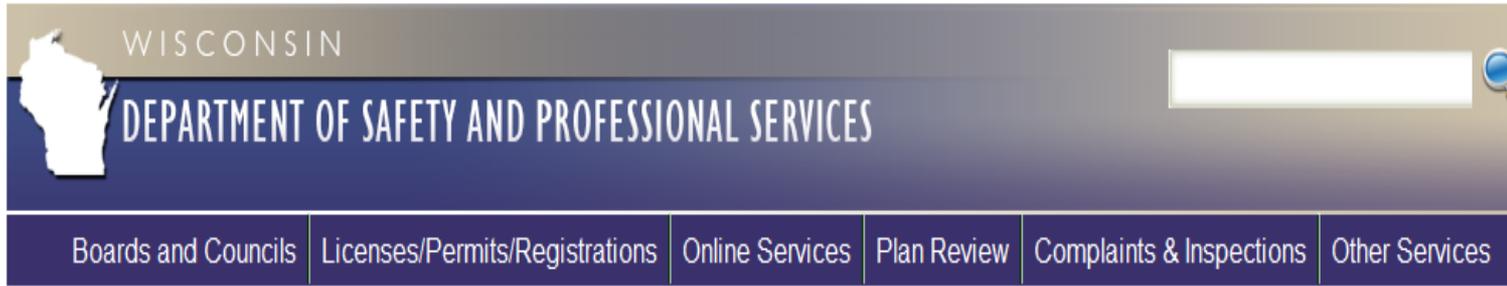


[Comment on Economic Impact of Proposed Administrative Rules](#)

ACTIVE RULEMAKING PROJECTS

Safety and Professional Services	SPS 320-325: One and Two Family Dwellings	<i>Scope Published</i>	Sam.Rockweiler@wisconsin.gov
Safety and Professional Services	SPS 320-325: One and Two Family Dwellings - Wall Bracing - Permanent Rule	<i>Rule Adopted</i>	Sam.Rockweiler@wisconsin.gov
Safety and Professional Services	SPS 330: Fire Department Safety and Health Standards	<i>Drafting Rule</i>	Sam.Rockweiler@wisconsin.gov
Safety and Professional Services	SPS 332: Public Employee Safety and Health, Update Code to Reflect More Recent OSHA Standards	<i>Legislative Review</i>	Sam.Rockweiler@wisconsin.gov
Safety and Professional Services	SPS 384: Water Treatment Devices - Emergency Rule	<i>Rule Adopted</i>	Sam.Rockweiler@wisconsin.gov
Safety and Professional Services	SPS 384: Water Treatment Devices - Permanent Rule	<i>Legislative Report Submitted to Governor</i>	Sam.Rockweiler@wisconsin.gov

LINK:



THE RULEMAKING PROCESS AT DSPS

The Wisconsin Department of Safety and Professional Services routinely reviews and updates, as needed, the Administrative Rules that relate to the professions, establishments and activities we regulate. Rulemaking involves a number of distinct and important steps.

Active Rulemaking Projects:

A list of active rulemaking projects can be obtained here: <http://dps.wi.gov/Boards-Councils/Rulemaking/Pending-Rule-Projects/>

Review of existing rules affecting small businesses:

DSPS is currently conducting a comprehensive review of existing rules affecting small business. This review is being conducted in accordance with Governor Walker's Executive Order #61. We are reviewing our existing rules to identify those that hinder small business job creation and small business growth. We will then recommend changes to these rules that will both reduce their burden on job creators while continuing to comply with the intent of the statutes that created them.

Comment on rulemaking projects:

Each rulemaking project has a legally prescribed process for submitting comments. Please consult a specific project for the timetable and methods for submitting comments.

Suggest a rulemaking project:

If there are existing rules that you think should be reviewed and considered for modification, please e-mail at DSPS@wisconsin.gov.



PUBLIC SUBMISSION OF AGENDA ITEMS TO CODE COUNCILS

Boards and Councils

Licenses/Permits/Registrations

Online Services

Plan Review

Complaints & Inspections

Other Services

DSPS PUBLIC BOARD AGENDA ITEM

Please use this form to submit an item for consideration at a board or council meeting. Please visit our [Board and Council Listing](#) page for information on professions regulated by each board. You may be asked to appear at the meeting to present and explain your request. Before submitting your request, please consult your [Profession Specific Codebook](#) which will contain the answer to most questions. Please note, neither the Department nor the Boards can respond to the following issues: potential or ongoing litigation, billing, business advice, employer / employee disputes, legal opinions, and questions involving professional judgment or discretion.

FILL OUT THIS FORM

• Board:

• First Name:

• Last Name:

Association/Organization:

• Address Line 1:

Address Line 2:

• City:

• State:

• Zip:

Phone Number:

• Email:

• Subject:

• Message:

DSPS WEBSITE - DSPS.WI.GOV

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DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES

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Trades Professions Continuing Education Changes

A recent change to the Wisconsin Administrative Code SPS 305 allows an extra 3 months for trades credential holders to complete and submit their required Continuing Education (CE) credits prior to license renewal.

Previously, all trades credential holders were required to complete their CE credits three months before their renewal date.



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Licensing/Credentialing



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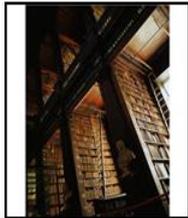
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	<table border="1"> <tr> <td data-bbox="691 968 981 1063">Email address:</td> <td data-bbox="981 968 1535 1063"><input type="text"/></td> </tr> </table>	Email address:	<input type="text"/>
Email address:	<input type="text"/>		
	<table border="1"> <tr> <td data-bbox="691 1063 981 1159">Your name <i>(optional)</i>:</td> <td data-bbox="981 1063 1535 1159"><input type="text"/></td> </tr> </table>	Your name <i>(optional)</i> :	<input type="text"/>
Your name <i>(optional)</i> :	<input type="text"/>		
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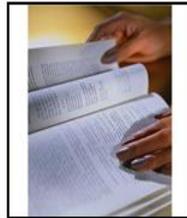
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INDUSTRY SERVICES - FREQUENTLY ASKED QUESTIONS

Amusement Rides FAQ
Boilers and Pressure Vessels FAQ
Commercial Buildings FAQ
Electrical and Lighting FAQ
Elevators and Conveyances FAQ
Energy FAQ
Explosives Safety FAQ
Fire Department Safety and Health FAQ
Fire Prevention (including 2% Dues and NFIRS) FAQ
Fire Protection Systems FAQ
Fire Safe Cigarettes FAQ
Heating, Ventilation, and Air Conditioning (HVAC) FAQ
Gas Systems FAQ
Mine Safety FAQ
One- and Two-Family Dwelling/Uniform Dwelling Code (UDC) FAQ
Plumbing FAQ
Private Onsite Wastewater Treatment Systems (POWTS) FAQ
Public Sector Employee Safety FAQ
Public Swimming Pools FAQ
Refrigeration Systems (Mechanical) FAQ
Rental Weatherization FAQ
Ski Lifts FAQ



WISCONSIN
DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES

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ONE- AND TWO-FAMILY DWELLINGS (UDC) FREQUENTLY ASKED QUESTIONS



SPS 320.09(4)(b)
Foundation systems serving manufactured homes may be designed by structural analysis but do not need to be signed and sealed by a registered professional. Here is a [PDF file](#) concerning an acceptable slab on grade foundation system for manufactured homes.

SPS 321.02(1)(c) Dwellings shall be designed and constructed to withstand a horizontal and uplift pressure of 20 pounds per square foot acting over the surface area.

Question: When designing the braced wall lines to comply with SPS 321.25(8)(1), may I use the ASCE 7 standard as an option to determine wind loads on a dwelling even though the resultant wind pressure may be less than 20 PSF?
Answer (July 15, 2011): Yes. ASCE 7 is considered an accepted engineering practice. Conditions of acceptance are: that version 2005 is used, that a minimum wind speed of 90 MPH (3-second gust) be used, that the appropriate exposure factor be used, and that it be applied to the whole dwelling for determining wall bracing. The ASCE 7 standard may also be used to determine the wind pressure on tall walls only if the ASCE 7 design standard is also being used for determining the wall bracing requirements of the dwelling. This design methodology may also be used to determine wall bracing needs for an addition, and only the addition, to an existing dwelling as long as it is applied to the complete addition.

SPS 321.02(1)(d)
Question: Is there an Alternate Fastening Schedule for Braced Wall Panels?
Answer (April 7, 2011): [DSPS Home](#) | [About Us](#) | [Contact Us](#) | [Site Map](#) | [Wisconsin.Gov](#)

TECH EMAIL BOXES:

- ◉ DSPSSBUdctech@wisconsin.gov
- ◉ DSPSSBElectricTech@wisconsin.gov
- ◉ DSPSSBPlbgTech@wisconsin.gov

QUESTIONS?



- Please feel free to submit feedback regarding this presentation at the following link:

<https://www.surveymonkey.com/s/industryservicespeakingevent>

- **Thank You!**

