

January 1, 2010

## Owatonna Building Inspection Department Collection of Plan Review Fees

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**Exempt from this policy are one and two family dwellings and their accessory structures.**

As per City Ordinance Code Section 520:15 Plan Review Fees, a plan review fee shall be paid at the time of submission of plans and specifications for review. As provided for by ordinance and state law the plan review fee shall be 65% of the building permit fee. If the building permit fee has not been determined at the time of submission, an estimated fee shall be computed based on City of Owatonna Ordinance Code Section 520.07 Construction Valuation Table. In those instances, adjustments to the plan review fee based on the contract value of the improvements may be made when the building permit is issued. Plan review fees are generally non-refundable except at the discretion of the Building Official based on the amount of review and processing time spent by city staff up to the time of plan withdrawal.

Note that changes in building plans during construction may result in additional plan review fees if such changes increase the valuation of the building improvements and subsequently the permit fee.

**DO NOT WRITE IN SHADED AREAS**

# THE CITY OF OWATONNA BUILDING PERMIT

**PERMIT NO.**  
**B-**

ADDRESS OF JOB	DATE OF APPLICATION	
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LEGAL DESCRIPTION	LOT	BLOCK	ADDITION
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OWNER NAME AND ADDRESS	CITY	STATE	ZIP	PHONE:
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BUSINESS/TENANT NAME

<b>CONTRACTOR</b>	NAME	CITY	STATE	ZIP	PHONE:
	ADDRESS	CITY	STATE	ZIP	PHONE:

**CLASSIFICATION OF STRUCTURE:**

(1) Single family detached or duplex    
 (2) Single family attached (condominium, townhome)  
 (3) Multi-family residential (apartment, hotel, motel, etc.)    
 (4) Assembly building (public use, church, amusement, restaurant, etc.)    
 (5) Industrial building  
 (6) Commercial/retail building (office, mercantile, sales, service, etc.)    
 (7) Educational building    
 (8) Institutional building (hospital, nursing home, jail)  
 (9) Other building (parking garage, etc.)    
 (10) Structure other than a building (tower, swimming pool, etc.)

**CLASS OF WORK:** (1) NEW  (2) ADDITION  (3) REMODEL  (4) REPAIR  (5) REPLACED  (6) CONVERSION  (7) DEMOLITION

FLOOD PLAIN DIST. YES <input type="checkbox"/> NO <input type="checkbox"/>	HISTORIC DIST. YES <input type="checkbox"/> NO <input type="checkbox"/>	TOTAL SQ. FT. OF NEW CONSTRUCTION
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SET BACKS (IN FEET):	N	S	E	W	OCCUPANCY GROUP & DIV.	C/O REQ'D Y <input type="checkbox"/> N <input type="checkbox"/>
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AREA AT GRADE (SF)	HEIGHT (FEET)	NO. OF STORIES	TOTAL UNITS	TYPE CONSTRUC.	USE ZONE
BASEMENT <input type="checkbox"/>	FINISHED <input type="checkbox"/> UNFINISHED <input type="checkbox"/>	GARAGE OPEN AREA <input type="checkbox"/>	ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>	DIMENSIONS OF NEW CONSTRUCTION	

**IF PLANS ARE SUBMITTED DO NOT WRITE BELOW THIS LINE**

<b>FOUNDATION</b>	DEPTH BELOW GRADE:	<b>JOISTS</b>	FLOOR: (SIZE/SPACING - MAX SPAN)	(01) ZONING	(06) BUILDING
	FOOTING SIZE:		CEILING:	(02) ENGINEERING	(07) MECHANICAL
	FDN WALL TYPE THICKNESS:		RAFTER:	(03) TRAFFIC	(08) PLUMBING
	CAISSON THICK'D EDGE SLAB DIA. YES <input type="checkbox"/> NO <input type="checkbox"/>		GRADE OF LUMBER:	(04) FIRE	(09) ELECTRICAL

<b>EXT. WALL</b>	TYPE:	BRICK <input type="checkbox"/> OTHER: FINISH: BLOCK <input type="checkbox"/> (SPECIFY)			
	SIZE:	BRICK VENEER <input type="checkbox"/> OTHER: FINISH: WOOD <input type="checkbox"/> (SPECIFY)			

<b>POST &amp; BEAM</b>	COLUMN SIZE:	BEAM SIZE:			
	SPACING:				

<b>ROOF</b>	ROOF SHEATHING TYPE & SIZE:	ROOFING MATERIAL:			VALUATION OF WORK \$

ARCHITECT/ENGINEER	LICENSE NO.	<input type="checkbox"/> 4000-3120-03.00 <input type="checkbox"/> 4000-3120-09.03	DOUBLE FEE <input type="checkbox"/>	PERMIT FEE \$
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## ADDITIONAL INFORMATION

18 PC 4000-3120-05.00	PLAN FILED	YES <input type="checkbox"/> NO <input type="checkbox"/>	PLAN REVIEW FEE \$
4000-3920-02.00	STATE SURCHARGE		\$
20 DR 4000-3510-02.00	DRIVEWAY FEE:		\$
4840-3720-02.00	SEWER TAP:		\$

<p><b>NOTES TO APPLICANT:</b></p> <p>SEPARATE PERMITS REQUIRED FOR WIRING, PLUMBING, HEATING, RETAINING WALLS &amp; DEMOLITION. PERMIT EXPIRES 180 DAYS FROM ISSUANCE UNLESS WORK IS STARTED BY THAT TIME.</p> <p>FOR ALL WORK DONE UNDER THIS PERMIT THE PERMITTEE ACCEPTS FULL RESPONSIBILITY FOR COMPLIANCE WITH THE STATE PLUMBING CODE AND ALL OTHER APPLICABLE LAWS AND ORDINANCES. REQUIRED INSPECTIONS SHALL BE REQUESTED ONE WORKING DAY IN ADVANCE.</p> <p>TELEPHONE 444-4370 BEFORE 4:30 P.M.</p> <p>APPLICANT NAME _____</p> <p>SIGNATURE OF APPLICANT _____ DATE _____</p>	<p>TOTAL FEES: \$</p> <p>APPROVED BY: _____ DATE _____</p> <p>PERMIT ISSUANCE DATE _____</p>
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540 West Hills Circle  
OWATONNA, MN 55060-4793  
Ph. (507) 444-4370  
FAX (507) 444-4351

**DO NOT WRITE IN SHADED AREAS**

# THE CITY OF OWATONNA MECHANICAL PERMIT

**PERMIT NO.**  
**M-**

ADDRESS OF JOB	DATE OF APPLICATION	
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LEGAL DESCRIPTION	LOT	BLOCK	ADDITION
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OWNER NAME AND ADDRESS	CITY	STATE	ZIP	PHONE:
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BUSINESS/TENANT NAME

CONTRACTOR	NAME (AS LICENSED)	STATE LICENSE NO.	CITY REGISTRATION NO.
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ADDRESS	CITY	STATE	ZIP	PHONE:
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**CLASSIFICATION OF STRUCTURE:**

(1) Single family detached or duplex    
  (2) Single family attached (condominium, townhome)  
 (3) Multi-family residential (apartment, hotel, motel, etc.)    
  (4) Assembly building (public use, church, amusement, restaurant, etc.)    
  (5) Industrial building  
 (6) Commercial/retail building (office, mercantile, sales, service, etc.)    
  (7) Educational building    
  (8) Institutional building (hospital, nursing home, jail)  
 (9) Other building (parking garage, etc.)    
  (10) Structure other than a building (tower, swimming pool, etc.)

**CLASS OF WORK:** (1) NEW  (2) ADDITION  (3) REMODEL  (4) REPAIR  (5) REPLACED  (6) CONVERSION  (7) DEMOLITION

**Type of Fuel:**     Oil      Nat. Gas      LPG      Other

No.	Type of Equipment	
	Forced Air Systems - Btu/h	Ea.
	Gravity Systems - Btu/h	Ea.
	Floor Furnaces	
	Wall Heaters	
	Unit Heaters	
	Gas-fired A.C. Units—Btu/h	
	Air-cond. Units—Hp Ea.	
	Refrigeration Units—Hp Ea.	
	Boilers—Hp Ea.	
	Air-handling Unit —	C.F.M.
	Evaporative Coolers	
	Ventilation Fan	
	Range Hood	
	Incinerator	
	Clothes Dryers	

AGENCY	REQ'D	AGENCY	REQ'D
(01) ZONING		(06) BUILDING	
(02) ENGINEERING		(07) MECHANICAL	
(03) TRAFFIC		(08) PLUMBING	
(04) FIRE		(09) ELECTRICAL	
(05) UTILITIES		(10) OTHER	

NOTE: VALUATION SHOWN SHALL BE BASED ON THE ESTIMATED TOTAL REPLACEMENT COST TO THE OWNER (INCLUDING LABOR, MATERIALS, EQUIPMENT AND INSTALLATION). VALUATION INCREASES INDICATED THROUGH FINANCE DEPT. AUDITS MAY BE SUBJECT TO PERMIT BACK-FEES.

VALUATION OF WORK \$

DOUBLE FEE <input type="checkbox"/>	PERMIT FEE \$
PLAN YES <input type="checkbox"/>	PLAN REVIEW FEE \$
FILED NO <input type="checkbox"/>	
STATE SURCHARGE \$	

TOTAL FEES: \$

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

PERMIT ISSUANCE DATE: \_\_\_\_\_

APPLICATION ACCEPTED BY	PLANS CHECKED BY	APPROVED FOR ISSUANCE BY
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REMARKS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**NOTES TO APPLICANT:**  
SEPARATE PERMITS REQUIRED FOR WIRING, PLUMBING, BUILDING, RETAINING WALLS & DEMOLITION. PERMIT EXPIRES 180 DAYS FROM ISSUANCE UNLESS WORK IS STARTED BY THAT TIME.

FOR ALL WORK DONE UNDER THIS PERMIT THE PERMITTEE ACCEPTS FULL RESPONSIBILITY FOR COMPLIANCE WITH THE STATE PLUMBING CODE AND ALL OTHER APPLICABLE LAWS AND ORDINANCES. REQUIRED INSPECTIONS SHALL BE REQUESTED ONE WORKING DAY IN ADVANCE.

TELEPHONE 451-4541 BEFORE 4:30 P.M.

APPLICANT NAME \_\_\_\_\_

SIGNATURE OF APPLICANT \_\_\_\_\_ DATE \_\_\_\_\_

JOB ADDRESS

OWNER

# THE CITY OF OWATONNA PLUMBING PERMIT

DO NOT WRITE IN  
SHADED AREAS

PERMIT NO.  
**P-**

ADDRESS OF JOB	DATE OF APPLICATION
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LEGAL DESCRIPTION LOT	BLOCK	ADDITION
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OWNER NAME AND ADDRESS	CITY	STATE	ZIP	PHONE:
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BUSINESS/TENANT NAME

CONTRACTOR	NAME (AS LICENSED)	CITY LICENSE NO.
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CONTRACTOR	ADDRESS	CITY	STATE	ZIP	PHONE:
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**CLASSIFICATION OF STRUCTURE:**

<input type="checkbox"/> (1) Single family detached or duplex	<input type="checkbox"/> (2) Single family attached (condominium, townhome)
<input type="checkbox"/> (3) Multi-family residential (apartment, hotel, motel, etc.)	<input type="checkbox"/> (4) Assembly building (public use, church, amusement, restaurant, etc.)
<input type="checkbox"/> (5) Industrial building	<input type="checkbox"/> (6) Commercial/retail building (office, mercantile, sales, service, etc.)
<input type="checkbox"/> (7) Educational building	<input type="checkbox"/> (8) Institutional building (hospital, nursing home, jail)
<input type="checkbox"/> (9) Other building (parking garage, etc.)	<input type="checkbox"/> (10) Structure other than a building (tower, swimming pool, etc.)

**CLASS OF WORK:** (1) NEW  (2) ADDITION  (3) REMODEL  (4) REPAIR  (5) REPLACED  (6) CONVERSION  (7) DEMOLITION

TYPE OF FIXTURE	NO. OF FIXTURES PER FLOOR										BSMT.	OTHERS
	1	2	3	4	5	6	7	8				
DISH WASHER												
GARB. DISP.												
SINK												
BATHTUB												
SHOWER												
WASH BOWL												
WATER CLOSET												
URINAL												
AUTO. WASHER												
WASH TUB												
SLOP SINK												
DRINK FOUNTAIN												
WATER HEATER												
FLOOR DRAIN												
GREASE/SAIND TRAP												
LAWN SPRINKLER SYS.												
WASTE EJECTOR												
WTR PIPING/TREATMENT EQUIP.												
ALTER/REPAIR-VENT/WASTE PIPING												
GAS SYSTEMS/NO. OUTLETS												
TOTAL FIXTURES BY FLOORS												
TOTAL FIXTURES ON JOB												

AGENCY	REQD.	AGENCY	REQD.
(01) PLUMBING		(06) BUILDING	
(02) ENGINEERING		(07) MECHANICAL	
(03) TRAFFIC		(08) PLUMBING	
(04) FIRE		(09) ELECTRICAL	
(05) UTILITIES		(10) OTHER	

NOTE: VALUATION SHOWN SHALL BE BASED ON THE ESTIMATED TOTAL REPLACEMENT COST TO THE OWNER (INCLUDING LABOR, MATERIALS, EQUIPMENT AND INSTALLATION). VALUATION INCREASES INDICATED THROUGH FINANCE DEPT. AUDITS MAY BE SUBJECT TO PERMIT BACK-FEES.

VALUATION OF WORK \$

DOUBLE FEE <input type="checkbox"/>	PERMIT FEE \$
PLAN FILED <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>	PLAN REVIEW FEE \$
STATE SURCHARGE \$	TOTAL FEES \$
APPROVED BY _____	DATE _____
PERMIT ISSUANCE DATE _____	

APPLICATION ACCEPTED BY _____	APPROVED FOR ISSUANCE BY _____	
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REMARKS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**NOTES TO APPLICANT:**

SEPARATE PERMITS REQUIRED FOR WIRING, MECHANICAL, BUILDING, RETAINING WALLS & DEMOLITION. PERMIT EXPIRES 180 DAYS FROM ISSUANCE UNLESS WORK IS STARTED BY THAT TIME.

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TELEPHONE 451-4541 BEFORE 4:30 P.M.

APPLICANT NAME \_\_\_\_\_

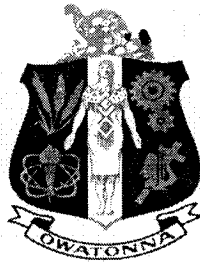
SIGNATURE OF APPLICANT \_\_\_\_\_ DATE \_\_\_\_\_

JOB ADDRESS

OWNER

# THE CITY OF

## Building Inspection Division



# OWATONNA

540 West Hills Circle  
Owatonna, MN 55060-4794  
Ph. (507) 444-4370  
FAX: (507) 444-4351

### Contacts: Plan Submittal

#### Building Official

Gary Yoder

PH: 507-774-7329

Fax: 507-444-4351

Email: [garry@ci.owatonna.mn.us](mailto:garry@ci.owatonna.mn.us)

#### Building Inspection Department

Sandy Rickerl: Admin. Assistant

PH: 507-444-4370

Fax: 507-444-4351

Email: [Sandy.Rickerl@ci.owatonna.mn.us](mailto:Sandy.Rickerl@ci.owatonna.mn.us)

#### Chief Building Inspector / Plans Examiner

Mark Schwanke

PH: 507-774-7327

Fax: 507-444-4351

Email: [Mark.Schwanke@ci.owatonna.mn.us](mailto:Mark.Schwanke@ci.owatonna.mn.us)

#### City Planner

Troy Klecker

507-774-7316

Fax: 507-444-4351

Email: [Troy.Klecker@ci.owatonna.mn.us](mailto:Troy.Klecker@ci.owatonna.mn.us)

#### City Engineer

Jeff Johnson, P.E.

PH: 507-774-7307

Fax: 507-444-4351

Email: [Jeff.Johnson@ci.owatonna.mn.us](mailto:Jeff.Johnson@ci.owatonna.mn.us)

#### Storm Water Management

Matt Durand

PH: 507-774-7300

Fax: 507-444-4351

Email: [Stormwater@ci.owatonna.mn.us](mailto:Stormwater@ci.owatonna.mn.us)

Website: [www.stormwater.owatonna.info](http://www.stormwater.owatonna.info)

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#### Owatonna Fire Department

107 West Main Street

Owatonna, MN 55060

PH: 507-444-2454

Fax: 507-444-2457

Email: [Kevin.Sedivy@ci.owatonna.mn.us](mailto:Kevin.Sedivy@ci.owatonna.mn.us)

#### Owatonna Public Utilities

208 S. Walnut; P.O Box 800

Owatonna, MN 55060

PH: 507-451-2480

Fax: 507-451-4940

Website: [www.Owatonnautilities.com](http://www.Owatonnautilities.com)

#### State of Minnesota

Contract Electrical Inspector

27197 170<sup>th</sup> Street.

New Richland, MN 56072

PH: 507-465-3522

Email: [mlanthony@myclearwave.net](mailto:mlanthony@myclearwave.net)

#### State of Minnesota Department of Health

P.O. Box 64975

St. Paul, MN 55164-0975

PH: 651-201-5000 / 1-800-345-0823

PH: 507-285-7289

Website: [www.health.state.mn.us](http://www.health.state.mn.us)

#### State of Minnesota Fire Marshal Division

444 Cedar Street, Suite 145

St. Paul, MN 55101-5145

PH: 651-215-0525

Fax: 651-282-6555

Website: [www.dps.state.mn.us/fmarshal/fmarshal.html](http://www.dps.state.mn.us/fmarshal/fmarshal.html)

#### State of Minnesota Department of Health

Plumbing Plan Review and Inspections

443 Lafayette Road N.

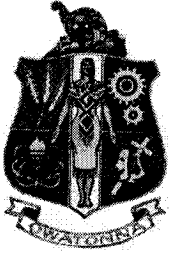
St. Paul, MN 55155-4343

PH: 651-284-5067

Fax: 651-284-5748

Website: [http://www.dli.mn.gov/CCLD/PDF/pe\\_inspection\\_notice.pdf](http://www.dli.mn.gov/CCLD/PDF/pe_inspection_notice.pdf)

Minnesota Department of Labor and Industry Website: <http://www.dli.mn.gov/Ccld.asp>



# COMMERCIAL/INDUSTRIAL CONSTRUCTION GRADING/ EROSION & SEDIMENT CONTROL (ESC) PERMIT APPLICATION

**Project Address/Location:** \_\_\_\_\_  
(e.g. 500 block 3<sup>rd</sup> Ave. E or 3709 42<sup>nd</sup> Ave. S or Lot, Block, Addition)

**Has a Stormwater Management Plan been submitted to the City?**     Yes     NA  
(Required for all projects where one or more acres of cumulative imperious surface results)

**MPCA Permit Number:** \_\_\_\_\_  
(Required if land disturbance is at least one acre or part of a development/sale disturbing at least one acre)

**Sq. Ft. /Acres Disturbed:** \_\_\_\_\_

**Person Responsible for Providing Stormwater Management and Maintenance at the above address is:**

**Company Name:** \_\_\_\_\_ **Contact Name:** \_\_\_\_\_  
**Street Address:** \_\_\_\_\_ **Suite #:** \_\_\_\_\_  
**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_ **Cell:** \_\_\_\_\_ **Fax:** \_\_\_\_\_

**Commercial/Industrial Construction Contractor:** I certify that I have reviewed a copy of any current Storm Water Pollution Prevention Plan (SWPPP) for the project area in which I am working and I am responsible to protect, repair or replace any installed erosion and sediment control measures disturbed by my activity, and to monitor effectiveness of the SWPPP during my construction activity in the area(s) listed above. I understand and agree to comply with any applicable provisions as described in the City of Owatonna Stormwater Management Ordinance. I understand and agree to protect, repair or replace in-place erosion and sediment control measures, where applicable. I also understand that I may need to supplement or modify implemented protection measures as site conditions develop to control on-site erosion and ensure all site runoff is adequately treated by storm water controls. I will also be responsible for actions of all subcontractors and delivery personnel at the worksite related to my construction activity, and their impact on any SWPPP. I certify that I have read the City of Owatonna Stormwater Ordinance No. 317. I agree to reimburse the City of Owatonna any costs incurred in correcting stormwater pollution control deficiencies. If I fail to do corrective work within the stipulated time and if payment is not made within thirty (30) days after costs are incurred, than the City may assess the remaining amount against the property as listed above and I waive all rights to challenge the amount or validity of the assessment under Minn. Stat. sec. 429.081.

**Contact Name:** \_\_\_\_\_ **Signature** \_\_\_\_\_ **Date** \_\_\_\_\_  
(printed)

**Permit Fee:** 500 sq. ft. or less disturbed = No Fee    501 sq. ft. or more = \$250.00

For City Use Only

<b>Reviewer:</b> _____	<b>Permit Issuance Date:</b> _____
<b>Grading/ESC Permit #:</b> _____	<b>Issued by:</b> _____
<b>Building Permit #:</b> _____	<b>Permit Closed Date:</b> _____
	<b>Inspector Name:</b> _____

## City of Owatonna Design and Construction Codes

2007 MN State Building Code; Minnesota Rules, chapter 1300 (adopting 2006 IBC with amendments). Important info: [http://www.dli.mn.gov/CCLD/PDF/adoption\\_2009.pdf](http://www.dli.mn.gov/CCLD/PDF/adoption_2009.pdf)

2007 MN State Plumbing Code

2009 MN State Energy Code (Chapter 1323 of MN State Building Code) "NEW June 1<sup>st</sup>, 2009"

2007 MN State Accessibility Code chapter 1341: (ANSI A117.1-2003 adopted with MN Amendments)

2004 MN State Mechanical code (adopted 2000 IMC w / MN amendments)  
(adopted 2000 International Fuel Gas Code w / MN amendments)

2007 MN State Fire Code (adopted 2006 International Fire Code with MN Amendments)  
Important info: [http://www.dli.mn.gov/CCLD/PDF/adoption\\_2009.pdf](http://www.dli.mn.gov/CCLD/PDF/adoption_2009.pdf)

2005 National Electrical Code with MN amendments

90 MPH Wind Speed

50# Ground Snow Load

City of Owatonna Ordinances can be found at web site: [www.ci.owatonna.mn.us](http://www.ci.owatonna.mn.us) (City Codes)

Copies of the above codes and amendments can be obtained from:

Minnesota Bookstore

660 Olive Street

St. Paul, MN 55155

Phone: 651-215-5733

1-800-657-3757

Fax: 651-215-5733

Web Site: [www.minnesotasbookstore.com](http://www.minnesotasbookstore.com)

Minnesota Department of Labor and Industry  
Building Codes and Standards  
Web Site: <http://www.dli.mn.gov/Ccld.asp>

Department of Public Safety – protecting citizens and communities

Department of Labor and Industry – a trusted resource utilized by employees, employers and property owners



**MINNESOTA DEPARTMENT OF  
LABOR & INDUSTRY**



February 23, 2009

To: Code Officials, Design Professionals and Other Interested Parties

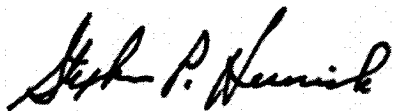
Subject: 2009 International Code Adoptions

The 2009 editions of the International Residential Code (IRC), International Building Code (IBC), and International Fire Code (IFC) will be published soon and the Construction Codes and Licensing Division and the State Fire Marshal Division have been discussing this adoption. Given the drastic slowdown of the construction economy, we feel it is not the appropriate time to be updating regulations. The economic based factors include:

- The availability of volunteers for technical advisory committees, given cut backs in code jurisdictions, among design professionals and product suppliers.
- The staff time involved by our state agencies for both the committee work and the rules process under the Administrative Procedures Act.
- The cost of code books and reference materials for townships, cities, counties, state agency offices, design professionals and other industry members.
- The cost of training for builders, designers, code officials and other industry members and the focus of the training on changes rather than other critical concepts.

Based on the above criteria, we will not be moving forward with the adoption of the 2009 IRC, IBC or IFC and will strive to have our advisory committees and the state fire chief's code committee ready to review the 2012 editions of these codes.

Sincerely,



Steve Hernick  
State Building Official



Jerry Rosendahl  
State Fire Marshal

All Documents must be submitted in duplicate and must be signed by the required design professional. Submittals must also include a completed permit application. Please note that the submittal information as listed above is the minimal required information and other submittals may be necessary based upon the scope of the project.

Building Official; Gary Yoder 507-774-7329

Chief Building Inspector; 507-774-7327

October 9, 2003

To Whom It May Concern,

With regard to part 1300.0130, subpart 9 of the Minnesota State Building Code, when documents are required to be prepared by a licensed design professional, the City of Owatonna Building Inspection Department does require that the project/property owner designate a licensed architect or engineer of record. A copy of those parts of the code are included herein. Please note that the "licensed design professional in responsible charge" shall be responsible for reviewing and coordinating submittal documents prepared by others. Portions of design documents will not be accepted from sources other than the designated designer of record.

Incomplete plan documents will not be accepted or reviewed by the Owatonna Building Inspection Division.

M	18. Kitchens — commercial	.003
N	19. <sup>3</sup> Libraries	.002
N	20. Locker rooms	.001
M	21. Malls	.0025
N	22. Manufacturing areas	.0025
N	23. Mechanical equipment rooms	.001
M	24. <sup>3</sup> Nurseries for children (day care)	.002
N	25. Offices	.0025
N	26. School shops and vocational rooms	.0025
M	27. Storage and stock rooms	.0025
N	28. Warehouses	.001
N	29. All others	.0025

**Notes:**

<sup>1</sup> The area of a use must include all areas serving or accessory to a use (corridors, accessory use areas, etc.).

<sup>2</sup> Exclude playing areas, courts, fields, and like areas.

<sup>3</sup> The factors for these uses are intended to include all incidental uses typical of these types of facilities.

If the provisions of Table 1-A are excessive due to a specific use, space for recycling may be considered individually by the administrative authority.

**1303.1600**

**FOOTING DEPTH FOR FROST PROTECTION**

Subpart 1. **Minimum footing depth.** In the absence of a determination by an engineer competent in soil mechanics, the minimum allowable footing depth in feet due to freezing is 5 feet in Zone I and 3 1/2 feet in Zone II.

Zone I includes the counties of: Aitkin, Becker, Beltrami, Carlton, Cass, Clay, Clearwater, Cook, Crow Wing, Douglas, Grant, Hubbard, Itasca, Kanabec, Kittson, Koochiching, Lake, Lake of the Woods, Mahnomen, Marshall, Mille Lacs, Morrison, Norman, Otter Tail, Pennington, Pine, Polk, Red Lake, Roseau, St. Louis, Todd, Traverse, Wadena, and Wilkin.

Zone II shall include the counties of: Anoka, Benton, Big Stone, Blue Earth, Brown, Carver, Chippewa, Chisago, Cottonwood, Dakota, Dodge, Faribault, Fillmore, Freeborn, Goodhue, Hennepin, Houston, Isanti, Jackson, Kandiyohi, Lac qui Parle, Le Sueur, Lincoln, Lyon, McLeod, Martin, Meeker, Mower, Murray, Nicollet, Nobles, Olmsted, Pipestone, Pope, Ramsey, Redwood, Renville, Rice, Rock, Scott, Sibley, Sherburne, Stearns, Steele, Stevens, Swift, Wabasha, Waseca, Washington, Watonwan, Winona, Wright, and Yellow Medicine.

Less depths may be permitted when supporting evidence is presented by an engineer competent in soil mechanics.

Subp. 2. **Soil under slab on grade construction for buildings.** When soil, natural or fill, is sand or pit run sand and gravel, and of depth in accordance with minimum footing depth requirements for each zone, slab on grade construction which is structurally designed to support all applied loads is permitted. Sand must contain less than 70 percent material that

will pass through a U.S. Standard No. 40 sieve and less than 5 percent material that will pass through a No. 200 sieve (5 percent fines), or be approved by an engineer competent in soil mechanics.

**Exception:** Slab on grade construction may be placed on any soil except peat or muck for detached one-story private garage, carport, and shed buildings not larger than 3,000 square feet.

Footings for interior bearing walls or columns may be constructed to be integral with the slab on grade for any height building. Footings for exterior bearing walls or columns may be similarly constructed for any height building when supporting soil is as described in this subpart. Footing design must reflect eccentric loading conditions at slab edges, soil bearing capacity, and the requirements of *International Building Code*, chapter 19.

**1303.1700**

**GROUND SNOW LOAD**

The ground snow load, Pg, to be used in determining the design snow loads for buildings and other structures shall be 60 pounds per square foot in the following counties: Aitkin, Becker, Beltrami, Carlton, Cass, Clearwater, Cook, Crow Wing, Hubbard, Itasca, Kanabec, Kittson, Koochiching, Lake, Lake of the Woods, Mahnomen, Marshall, Mille Lacs, Morrison, Norman, Otter Tail, Pennington, Pine, Polk, Red Lake, Roseau, St. Louis, Todd, and Wadena. The ground snow load, Pg, to be used in determining the design snow loads for buildings and other structures shall be 50 pounds per square foot in all other counties.

**1303.1800**

**RADIAL ICE ON TOWERS**

The effect of 1/2 inch of radial ice must be included in the design of towers including all supporting guys. This effect must include the weight of the ice and the increased profile of each such tower component so coated.

**1303.2000**

**EXTERIOR WOOD DECKS, PATIOS AND BALCONIES**

The decking surface and upper portions of exterior wood decks, patios, and balconies may be constructed of any of the following materials:

- A. The heartwood from species of wood having natural resistance to decay or termites, including redwood and cedars;
- B. Grades of lumber which contain sapwood from species of wood having natural resistance to decay or termites, including redwood and cedars; or
- C. Treated wood.

The species and grades of wood products used to construct the decking surface and upper portions of exterior decks,

patios, and balconies must be made available to the building official on request before final construction approval.

**1303.2100  
BLEACHER SAFETY**

All new bleachers, manufactured, installed, sold, or distributed where the bleachers or bleacher open spaces will be over 55 inches above grade or the floor below, and all bleacher guardrails if any part of the guardrail will be over 30 inches above grade or the floor below must comply with the State Building Code in effect and the provisions of Minnesota Statutes, section 16B.616.

**1303.2200  
SIMPLIFIED WIND LOADS**

**Subpart 1. Section 2200.**

- A. This section applies to the wind loads for the main wind force-resisting systems only.
- B. In order to utilize wind loads from this part, the building shall meet the following requirements:
  - (1) 60 feet or less in height;
  - (2) Height not to exceed least horizontal dimension;
  - (3) Enclosed building;
  - (4) Roof shape — flat, gabled, or hip;
  - (5) Roof slope of 45 degrees maximum;
  - (6) Simple diaphragm building;
  - (7) Not a flexible building;
  - (8) Regular shape and approximately symmetrical;
  - (9) No expansion joints or separations; and
  - (10) No unusual response characteristics (for example: vortex shedding, galloping, or buffeting).

Subp. 2. **Simplified design wind pressures.**  $P_s$  represents the net pressures (sum of internal and external) to be applied to the horizontal and vertical projections of building surfaces. For the horizontal pressures,  $P_s$  is the combination of the windward and leeward net pressures.  $P_s$  may be determined from Equation  $P_{alt}$ .

$$P_s = K_{zt} I_w P_{alt} \quad \text{(Equation } P_{alt}\text{)}$$

where:

$K_{zt}$  = Topographic factor as defined in Chapter 6 of ASCE 7.

$I_w$  = Importance factor as defined in Chapter 6 of ASCE 7.

$P_{alt}$  = Alternative simplified design wind pressure from Table  $P_{alt}$ .

**TABLE  $P_{alt}$**

**Horizontal and Vertical Pressure\***

Exp B	15 psf
Exp C	19 psf
Exp D	22 psf

\*For vertical pressure, the above values are negative (upward).

**Overhang Vertical Pressure\***

Exp B	-25 psf
Exp C	-30 psf
Exp D	-35 psf

\*Negative values are upward.

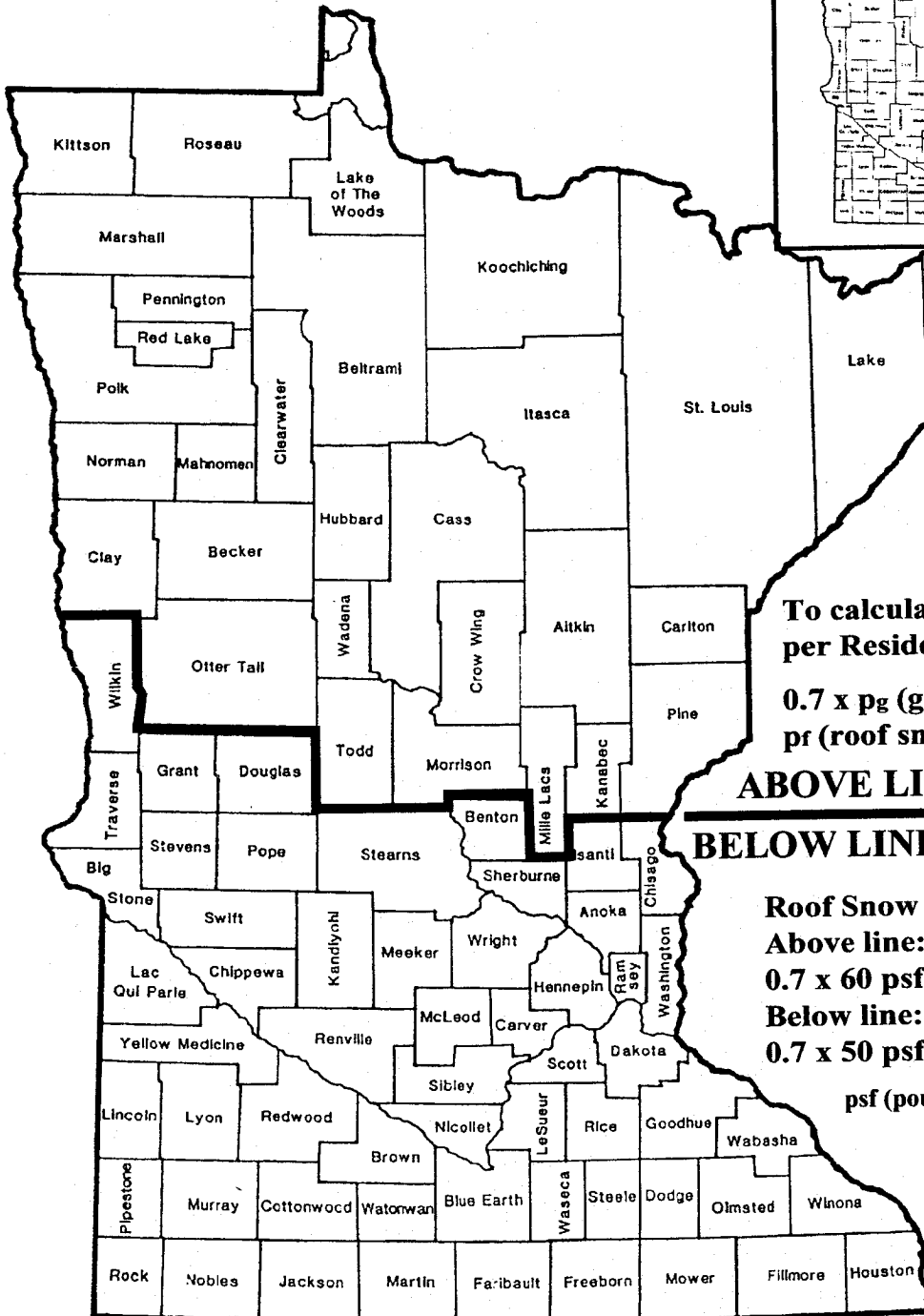
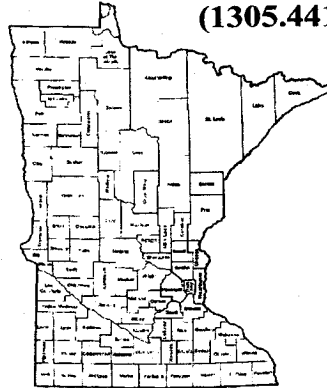
# SNOW LOAD

GROUND SNOW LOAD & ROOF SNOW LOAD

MSBC RULES 1303.1700 table R301.2(1)

Previous Snow Load:

(1305.4416)



To calculate Roof Snow Load per Residential Building Code:

$$0.7 \times p_g \text{ (ground snow load)} = p_r \text{ (roof snow load)}$$

**ABOVE LINE** 60 Ground Snow PSF

**BELOW LINE** 50 Ground Snow PSF

Roof Snow Load Examples:

Above line:

$$0.7 \times 60 \text{ psf} = 42 \text{ psf}$$

Below line:

$$0.7 \times 50 \text{ psf} = 35 \text{ psf}$$

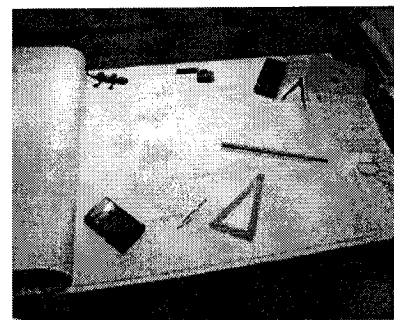
psf (pounds per square foot)



- Apprenticeship home
- Agreement form
- Programs/sponsors
- Veterans
- FAQs

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## Plumbing plan review



DLI reviews proposed plumbing projects to ensure compliance with the Minnesota Plumbing Code (Minnesota Rules Chapter 4715). These fees are required by Minnesota Statutes 326.37 to 326.45. This fee applies to plans for modification or installation of all plumbing systems that serve the public or that serve a considerable number of persons, except for the cities described above. Plan review includes all interior plumbing, building sewer and water service connections and storm water drainage systems within the property line.

Plumbing plans must be submitted and reviewed on all plumbing systems that serve the public or that serves a considerable number of persons. This includes, but is not limited to, restaurants, grocery stores, department stores, offices, warehouses, churches, hospitals, nursing homes, assisted living facilities and housing with five units or more (excluding townhomes).

Plan review includes all interior plumbing, building sewer and water service connections within the property line, and storm water drainage systems. A few of the specific items that we look for are adequate pipe sizing, proper pipe connections, approved pipe material, fixture specifications, and backflow prevention devices. Complete plan approval must be given before installation of any portion of the plumbing system may begin.

The required plan review fees do not apply where plans are submitted to either a city of the first class (Minneapolis, St. Paul or Duluth) or where a city has a plan review agreement with DLI. These fees do not affect any local government authorities or permit requirements.

- Plumbing plan review documents and forms
- Plumbing plan review application
- Floor plan and riser diagram examples
- Recreational camping area/manufactured home park service connection plan review application
- Fee calculator
- Fee schedule
- Fact sheet and fee schedule for plumbing plan review

Minnesota State Plumbing Division

## Plan Review

### Plumbing plan review

	For general inquires: (651) 284-5063	general information related to plumbing plan review
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