

BUILDING A HOME IN WISCONSIN?

HERE IS IMPORTANT INFORMATION ON WISCONSIN'S UNIFORM DWELLING CODE

This brochure is meant to assist homeowners and builders in getting started in designing and building a code-complying home. If you will be actually designing and building a home, it will be necessary to purchase the proper codebooks.

WISCONSIN'S UNIFORM DWELLING CODE (UDC)

The statewide code for newer homes in Wisconsin is the Uniform Dwelling Code (UDC), Chs. Comm 20-25 of the Wisconsin Administrative Code and its adopted references. It is a uniform building code that applies across the state. Municipalities may not adopt a more or less stringent code. The UDC was developed and is updated with input from a citizens' Dwelling Code Council.

The UDC is principally enforced by municipal building inspection departments and state-contracted UDC inspection agencies. The Wisconsin Division of Safety and Buildings facilitates uniformity of its enforcement through code development, code interpretations, special investigations, inspector training and certification, processing of petitions for variance and monitoring manufactured dwelling firms.

PURPOSE AND SCOPE OF THE UDC

Q. What is the purpose of the UDC?

- A. The UDC is a uniform statewide code that sets minimum standards for fire safety; structural strength; energy conservation; erosion control; heating, plumbing and electrical systems; and general health and safety in new dwellings.

Q. What buildings are covered by the UDC?

- A. The UDC covers new one- and two-family dwellings built since June 1, 1980 and their additions and alterations. This includes:
- Seasonal and recreational dwellings (Electrical, heating or plumbing systems are not required, but if installed they shall comply with the applicable codes. If a home is heated, then it shall be insulated. Local sanitary requirements may require certain plumbing systems.)
 - One- and two-family condominium buildings.
 - A single-family residence connected to a commercial occupancy.
 - Community-based residential facilities with up to 8 residents.
 - Manufactured, modular or panelized dwellings regulated by the State (but not mobile or manufactured homes regulated by the Federal Government).
 - Additions to mobile or manufactured homes produced after June 1, 1980.
 - A non-residential building, such as a barn, that is converted to a dwelling.

Q. What structures are *not* covered by the UDC?

- A. The following are not covered:
- Dwellings built before June 1, 1980 or additions and alterations to such dwellings.
 - Mobile (manufactured) homes which are instead subject to Federal standards.
 - Multi-unit (three or more) residential buildings which are regulated by the State Commercial Building Codes.
 - Detached garages or accessory buildings.

Q. What about homes built before June 1, 1980?

- A. The State does not have a construction or heating code for additions or alterations to older homes or any accessory structures or outbuildings. However, the State Plumbing, Electrical and Smoke Detector codes do apply to all dwellings, regardless of age.

For construction and heating standards for older homes, municipalities may adopt any or no code. Many use the UDC. Others use the Wisconsin Uniform Building Code, which is not a State code but rather a regional code in southeastern Wisconsin.

UDC ENFORCEMENT

Q. Who enforces the UDC?

- A. The UDC is primarily enforced by municipal or county building inspectors who must be state-certified. In lieu of local enforcement, municipalities have the option to have the state provide enforcement through state-certified inspection agencies for just new homes. To determine whether the municipality, county or state provides UDC enforcement, contact your municipality or the Division of Safety and Buildings (contact information at end of brochure). Note the option of no UDC enforcement for municipalities of less than 2500 population no longer exists as of January 1, 2005. Permit requirements for alterations and additions will vary by municipality. Regardless of permit requirements, state statutes require compliance with the UDC rules by owners and builders even if there is no enforcement.

BUILDING A UDC HOME

Q. What are the typical steps in building, adding onto or altering a code-complying home?

- A. The steps to be taken by an owner or builder can be summarized as follows. (Some steps may not apply to alterations or additions):
- Make initial contact with local zoning and building inspection departments to get an Energy Worksheet, Building Permit Application, zoning rules and other basic information. Determine if your alteration requires a permit or if you need your property surveyed.
 - Design the home using standard design tables from the UDC or design a more customized home as long as it is demonstrated that the design meets the general engineering standards of the code. In addition to the UDC, the dwelling's design may also be subject to subdivision rules or restrictive covenants.
 - Obtain sanitary or well permits from the county or municipality if the home will use a private sewage system or well.
 - Obtain floodplain, zoning and land use approvals from the county and municipality having authority.
 - Obtain driveway or other local permits.
 - Obtain any necessary utility approvals.
 - Submit complete plans including plot, erosion control, foundation, floor layout(s), building cross-section(s) and exterior building wall views (elevations); Energy Worksheet; Permit Application; fees and copies of the above permits to the municipal inspection department.
 - Begin construction after plans are approved and building permit is issued and posted.
 - Install erosion control measures.
 - Call for inspections of each phase of construction at least 2 business days prior to when work is to be covered up (check the local inspector's instructions). Inspectors will check for compliance with the code. Cosmetic or non-code workmanship items will not normally be ordered corrected. However, inspectors may also check that the approved plans are being followed, including items above the code minimums. Deviations from the original plans may require submittal of revised plans.
 - Take occupancy after receiving a final inspection in which no major health or safety violations are found. (Some municipalities will issue occupancy permits.) Also, the dwelling's exterior must be completed within two years after permit issuance.
 - Correct any other code non-compliances, including stabilization by vegetation of any exposed soil.

Q. Who may do the work?

- A. Following is a summary of applicable regulations:
- Anyone may design the home, other than for homes in a floodplain.
 - The construction and erosion control permits must be taken out by a state-certified contractor or by the owner who occupies the home currently or after completion. Note that State UDC Contractor Certification checks for general liability insurance only - it does not test the technical competency of the builder.
 - The plumbing work must be supervised by a master plumber and installed by licensed plumbers. (Only after the dwelling is occupied, may an owner install additional plumbing beyond the pre-requisite kitchen sink and full bathroom, unless prohibited by municipal ordinance.)
 - All heating contractors must be state-registered. Owners working on their own property are exempted.
 - Municipalities may have additional licensing requirements as well as bonding or insurance requirements for contractors.
- In any case, we suggest that you:
- Check your contractors for proper liability and worker's compensation insurance to minimize your liability for injuries and damages to, or caused by, contractors.
 - Check past customer references.
 - Have a written contract.
 - Obtain lien waivers from your subcontractors, so you are not financially responsible if your general contractor fails to pay them.

Q. What could happen if the code is not followed?

- A. Failure to comply with the code could cause the following:
- Endangering the health and safety of self, family or guests.
 - Levying of fines and/or refusal to grant occupancy permit by local building inspection department.
 - Civil action by owners against builders.

- Difficulty in selling the home.
- Civil action by future owners or tenants against original owners or builders. (The average home is resold every 5 to 7 years.)
- Difficulty in obtaining mortgage loans or property insurance.
- Loss of building and community values.

Q. What if I am not able to exactly follow the Code?

A. If it would be difficult to comply with a particular code provision because of special site or design considerations or you have a better method of compliance, then you may submit a petition for variance with the required fees to the State. Your variance must show an equivalence to the code provision by different means. (Forms are available from your local building inspector or the Safety and Buildings Division.)

Q. What if I have a problem with my home?

A. Every situation is different, but possible actions include:

- Contact the responsible general contractor and/or subcontractor for resolution.
- Contact your homeowner's warranty program, if applicable.
- Contact the local building inspector if the problems are code-related. (Note that orders may be written against you as the owner.)
- Use the local homebuilder association's arbitration services, if applicable.
- Obtain a consulting engineer or private building inspector's report.
- Contact the Wisconsin Department of Agriculture, Trade and Consumer Protection (1-800-422-7128) for alteration and addition problems.
- Use the small claims court system.
- Contact an independent mediation/arbitration service.
- Obtain a lawyer.

CODEBOOKS AND INFORMATION

Q. How do I get copies of the applicable codes?

A. Local zoning codes may be obtained from local government offices. The following State codes are needed if you will be involved in the design and construction of a home:

- State Uniform Dwelling Code Chs. Comm 20-25
- State Plumbing Code Chs. Comm 81-87
- State Electrical Code Ch. Comm 16

These are available from:

State Document Sales
P O Box 7840
Madison, WI 53707

Before ordering, contact them at (608) 266-3358 to determine current fees which must be sent with your order. Telephone orders at 1-800-362-7253 are accepted when purchasing with a credit card. These codes are available for free on line at: www.legis.state.wi.us/rsb/code

In addition, the State Electrical Code adopts the National Electrical Code, available from:

National Fire Protection Association
One Batterymark Park
Quincy, MA 02269
Tel. 1-800-344-3555
www.nfpa.org

Q. If I have further questions, who should I contact?

A. Again, the UDC is a locally enforced code, so contact the local municipal building inspection department where the home will be built.

Otherwise you may contact:

Safety and Buildings Division
P. O. Box 2658
Madison, WI 53707
(608) 267-5113

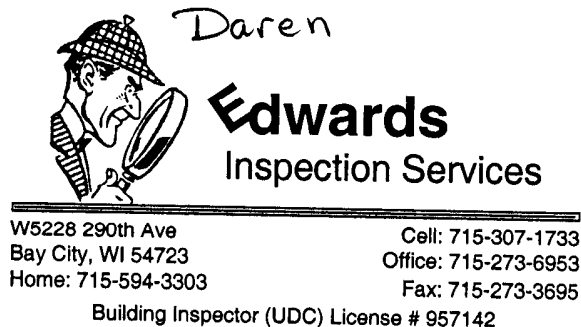
or: www.commerce.wi.gov/sb

An explanatory UDC Commentary is also available for free off of our website or for purchase from the Division.

The Division of Safety and Buildings does not discriminate on the basis of disability in the provision of services or in employment. If you need this printed material interpreted or in a different form, or if you need assistance in using this service, please contact us. Deaf, hearing or speech impaired callers may reach us through the Wisconsin Telecommunication Relay System (WI TRS).

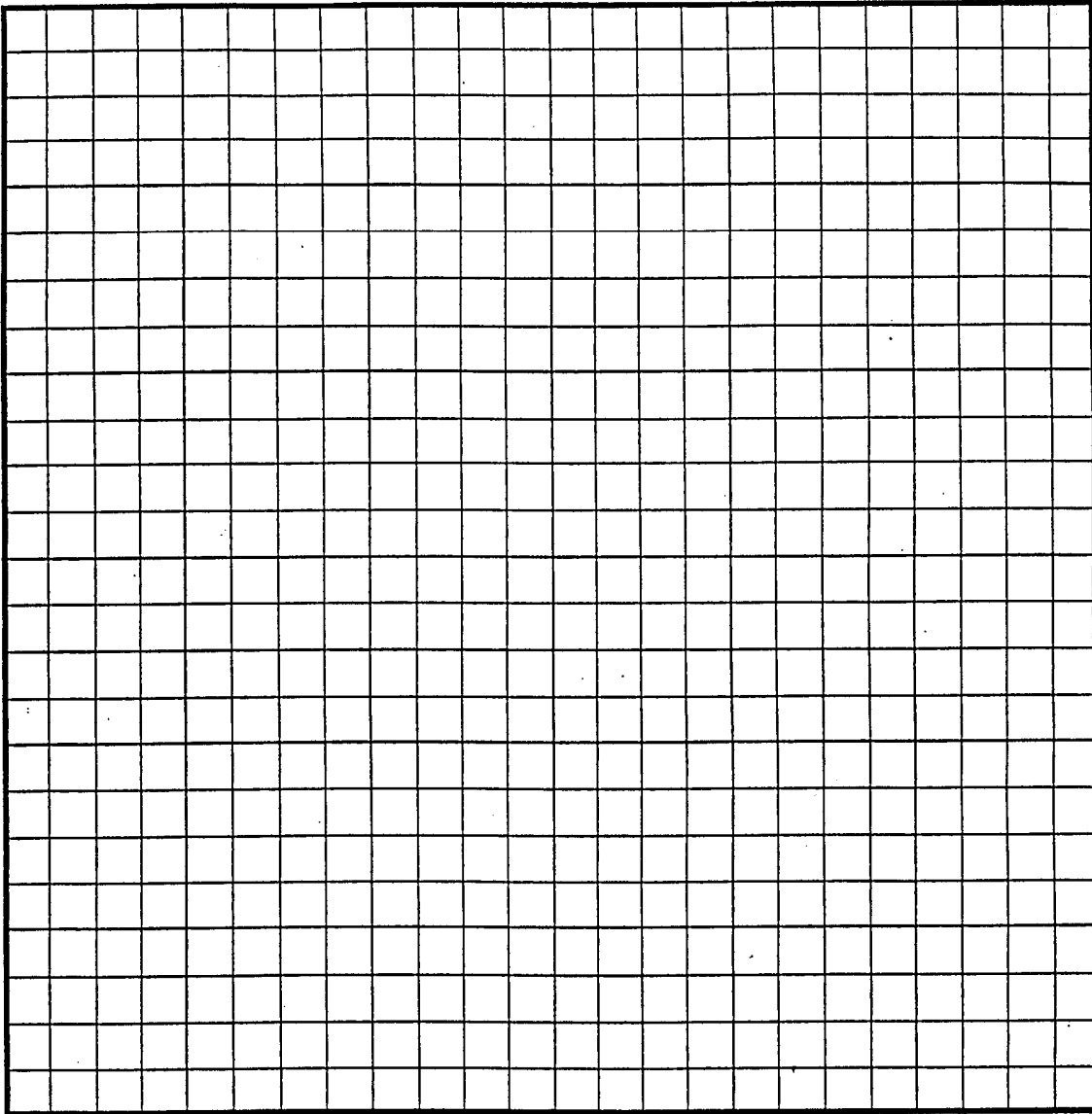
CHECK LIST FOR NEW CONSTRUCTION PERMITS

- County/City/Village Use Permit
- Wisconsin Uniform Building Permit Application
- Plot Drawing
- 2 Sets of House Plans, including electrical/plumbing/hvac
- Energy Worksheet
- Erosion Control (if applicable, inspector may require erosion control
measures if site is near waterways, storm drains or significant slope of site)
- Street Opening/Driveway Permit
- Permit Fees (payable to Edwards Inspection Services)

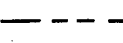



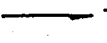








-Site Diagram-


Note: Any base map of useable scale can be substituted for this sheet.

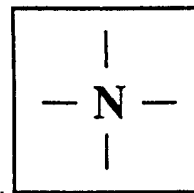


Site Diagram Legend

 PROPERTY LINE	 SILT FENCE
 EXISTING DRAINAGE	 STRAW BALES
 TD TEMPORARY DIVERSION	 GRAVEL
 FINISHED DRAINAGE	 TREE PRESERVATION
 LIMITS OF GRADING	 STOCKPILED TOPSOIL

 VEGETATION SPECIFICATION AREA

Please indicate north direction by completing the arrow. 



Scale:
1 inch = _____ feet

PEPIN COUNTY UDC FEE SCHEDULE

The fees for building inspections as per contracted with the State of Wisconsin is done on a square footage basis. The first 800 square feet is \$450.00, with additional footage at \$0.25/sqft. Unfinished basements are \$0.05/sqft. Garages at \$0.05/sqft. Decks/Porches at \$0.05/sqft.

State insignia is extra at \$25.00, Separate footing and foundation is \$50.00(for digging prior to permit being issued) and any inspection trips in excess of 8 is an additional \$50.00

Total Finished Square Footage	_____	
First 800 @ \$450	- 800 _____	450.00
Remaining Footage	_____ x \$0.25	_____
Unfinished Basement SqFt	_____ x \$0.05	_____
Garage SqFt	_____ x \$0.05	_____
Deck/Porch SqFt	_____ x \$0.05	_____
State Insignia		\$25.00
Total Inspection Fee (due with application)		_____

NOTES

- Fees for duplex dwellings shall be calculated as a single family dwelling
- Fees for manufactured dwellings with a Wisconsin Insignia shall be 2/3 or the normal fee for any closed-panel manufactured areas and full for site-build areas.
- Fees for dwellings without plumbing and electrical systems shall be 2/3 of the normal fee
- Fees for dwellings started prior to the earlier of permit issuance or prior to ten business days after permit application and no review action has taken place shall be an additional 25% or the normally applicable fees due

Wisconsin Uniform Dwelling Code Energy Worksheet

Instructions: This worksheet is a Safety & Buildings Division (S&BD)-approved method of manually showing compliance with the energy conservation and heating equipment sizing requirements of the Uniform Dwelling Code (UDC), for new dwelling permits **submitted on or after May 1, 1999**. It may be necessary for the user to purchase a copy of the UDC from State Document Sales, (608)266-3358. Additional information is printed in the UDC Commentary, which is available for a fee, as are blank copies of this form, from S&BD at POB 2509, Madison, WI 53701, Tel. 608-267-4405. **Earlier editions of this worksheet may NOT be used.** Numbers in brackets, [1], refer to the footnotes printed on page 2.

You may also submit completed worksheets from the computer program *MECcheck* (formerly *WIScheck*), which is available for free downloading from <http://www.energycodes.org/> on the Internet.

A **required U-value** is the **maximum** acceptable heat transmittance for an element. A **required insulation R-value** is the **minimum** acceptable level of resistance to heat transmittance. (U-values and R-values are reciprocals of each other.) If a component includes two or more areas of different insulation levels, either use the less insulating value for both areas, or use the Optional Weighted Average table in the **Prescriptive Package Method** section or enter separate areas and insulation values in the **System Design Method**. All "U" values must be carried to four places after the decimal point, rounded to three places. Other values may be rounded to the whole number.

Window and door U-values must be tested and documented by the manufacturer in accordance with the National Fenestration Rating Council (NFRC) test procedures or be taken from the glazing U-value table in s. Comm 22.05. Center-of-glass U-values cannot be used. If a door contains glass, and an aggregate U-value rating for that door is not available, then include the glass area of the door with your windows and use the opaque door U-value to determine compliance of the door.

A **slab-on-grade** is an earth-supported floor slab that is above, or less than 12" below, adjacent grade.

High-efficiency heating equipment is given a credit by the code. "High-Efficiency" means a furnace or boiler with an AFUE of 90% or more, or a heat pump with an HSPF of 7.8 or more without the use of electric resistance backup heat of greater than 3 kilowatts. If you plan to install more than one piece of heating equipment, the equipment with the lowest efficiency must meet or exceed the efficiency required by the selected package.

Choice of Method: You have the choice of using the Prescriptive Package Method or the System Design Method to show code compliance. For the simpler **Prescriptive Package Method**, which is recommended for standard designs, complete Sections **A., B., F., and G.** Instructions are on page 2. You will be first calculating component areas, then comparing your planned insulation levels to the required insulation levels of the Prescriptive Packages. You will then calculate infiltration and ventilation heat losses to size your heating equipment. If you cannot comply with one of the prescriptive packages, you may be able to show compliance by the System Design Method.

For the **System Design Method**, which is recommended for alternative designs in which more insulation is installed in one component to offset less in another, complete **Sections A., C., D., E., F. and G.** You will be first calculating component areas, then a code-allowed heat loss factor, then component U- and R-values and then your calculated heat loss factor which you will compare to the code-allowed heat loss factor. You will then calculate infiltration and ventilation heat losses to size your heating equipment.

The **County Zone Table** below is use for determining the temperature difference for sizing your heating plant in Section G. You may submit to your local code official more exact calculations to size your heating equipment.

Zone 1 - 95 degrees	Zone 2 - 90 degrees	Zone 3 - 85 degrees	Zone 4 - 80 degrees
Ashland, Barron, Bayfield, Burnett, Chippewa, Douglas, Dunn, Florence, Forest, Iron, Lincoln, Oneida, Pierce, Polk, Price, Rusk, Saint Croix, Sawyer, Taylor, Vilas, Washburn	Adams, Buffalo, Clark, Eau Claire, Jackson, Juneau, LaCrosse, Langlade, Marathon, Marinette, Menominee, Monroe, Portage, Shawano, Oconto, Pepin, Trempeleau, Vernon, Waupaca, Wood	Brown, Calumet, Columbia, Crawford, Dane, Dodge, Door, Fond du Lac, Grant, Green, Green Lake, Iowa, Kewaunee, LaFayette, Manitowoc, Marquette, Outagamie, Richland, Sauk, Sheboygan, Waushara, Winnebago	Jefferson, Kenosha, Milwaukee, Ozaukee, Racine, Rock, Walworth, Washington, Waukesha

Detailed Instructions for Section B. Prescriptive Package Method:

R-value requirements are for insulation only and do not include structural components.

For a component with two or more areas of different insulation levels, either use the least insulating value for both areas or use the Weighted Average tables on page 4.

Wall R-values represent the sum of the wall cavity insulation plus insulating sheathing, if used. Do not include exterior siding, structural sheathing or interior drywall. For example, an R-20 requirement could be met *EITHER* by R-15 cavity insulation plus R-5 sheathing *OR* R-13 cavity insulation plus R-7 sheathing. Note that there are separate tables for walls with structural sheathing only and for walls with insulating sheathing. To use a table for insulating sheathing, the sheathing used must be at least R-4, except that at least R-2 insulation may be provided over corner bracing. Table wall R-Values apply to wood-frame or mass (concrete, masonry, log) wall assemblies, but not to metal-frame construction. If metal frame is planned, use the adjusted R-Values from the Metal-Frame Wall Tables of the UDC Appendix. Table wall values apply to boxesills.

Ceiling R-values represent the sum of the cavity insulation plus insulating sheathing, if used. For ventilated ceilings, any insulating sheathing must be placed between the conditioned space and the ventilated portion of the roof. Ceiling R-values with “**RT**” indicates that a raised-heel truss or oversized truss construction must be used so that the insulation achieves the full insulation thickness over the exterior walls.

“Floor” requirements apply to floors over unconditioned spaces (such as un-insulated crawlspaces, basements and garages). Other floors that are over outside air shall have a $U_{\text{overall}} = 0.033$ or R-30 added insulation.

“Heated-Slab” requirements apply to slabs that contain heat ducts or pipes. All slab insulation must extend at least 48 inches either 1) down from the top of the slab, or 2) down from the top of the slab to the bottom of the slab and then horizontally underneath the slab, or 3) down from the top of the slab to the bottom of the slab and then horizontally away from the slab, with pavement or at least 10 inches of soil covering the horizontal insulation.

Walls of basements below un-insulated floors must be insulated from the top of the basement wall to the level of the basement floor. Conditioned basement windows and glass doors must be included with the other glazing. Exterior basement doors must meet the door U-value requirements. If more than 50% of the basement is exposed, then all of the basement walls must instead meet the above-foundation wall requirements.

Crawl space wall R-value requirements are for walls of unventilated crawlspaces. The crawlspace wall insulation must extend from the top of the wall (including the sill plate) to at least 12 inches below the outside finished grade. If the distance from the outside finished grade to the top of the footing is less than 12 inches, the insulation must extend vertically downward plus horizontally for a total distance of 24 inches from the outside finished grade.

Footnotes for worksheet:

- [1] Opaque wall area is wall area minus opening areas of doors and windows.
- [2] These below-grade U-values have the insulating value of the soil added to the code-required U-values which apply to the building materials only. See Sect. D.2. for typical insulated component U-values.
- [3] These slab-on-grade F-values are derived from the code-required U-values and include the heat loss through the edge and body of the slab. See Sect. D.2.
- [4] For building additions, show that the existing heating equipment, if used to heat the addition, is large enough. To do so, you must calculate the heat loss of the whole building.
- [5] If desired manufacturer does not have a furnace of this size, then a designer may select the manufacturer’s next larger size.

Submit completed worksheet pages 3-6 with dwelling plans to local enforcing municipality.

Project Address: _____

Builder: _____ Owner: _____

Worksheet Completed By: _____ Date: _____

Does dwelling unit have three kilowatts or more input capacity of permanently installed electrical space heating equipment?

YES (see below) NO

You will need to apply the stricter standards shown for electrically-heated homes if you answered "YES" to the above question.

A. Area Calculations Enter appropriate dimensions to obtain area values. Some calculations will not be necessary depending on home design or calculation method. These calculated areas are referenced elsewhere on this worksheet, for example, "(A.1.)".

<p>1. Window, Skylight & Patio Door Area (overall unit area) a. In Above-Foundation Walls b. In Foundation Walls</p> <p>_____ sq. ft. _____ sq. ft.</p> <p>c. Total (a. + b.) = _____</p>	<p>2. Opaque Door Area a. In Above- Foundation Walls b. In Foundation Walls</p> <p>_____ sq. ft. _____ sq. ft.</p> <p>c. Total (a. + b.) = _____</p>
<p>3. Gross Exposed Basement Wall Area</p> <p>_____ sq. ft.</p>	<p>4. Basement Wall Area Below Grade</p> <p>_____ sq. ft.</p>
<p>5. Opaque [1] Basement Wall Area (A.3. + A.4. - A.1.b.- A.2.b.)</p> <p>_____ sq. ft.</p> <p>If the exposed area of A.3.is greater than the below grade area of A.4., add A.5. to A.7 and cross out the number in this cell.</p>	<p>6. Gross Heated Above-Foundation Wall Area, including boxsill</p> <p>_____ sq. ft.</p>
<p>7. Above Foundation Code Wall Area (A.6. + A1.b. + A.2.b.)</p> <p>_____ sq. ft.</p>	<p>8. Opaque [1] Above-Foundation Wall Area (A.6. - A1.a. - A.2.a.)</p> <p>_____ sq. ft.</p>
<p>9. Floor Area Over Interior Unconditioned Spaces Less Than 50°</p> <p>_____ sq. ft.</p>	<p>10. Insulated Roof Or Ceiling (less skylights)</p> <p>_____ sq. ft.</p>
<p>11. Floor Over Outside Air (Overhangs)</p> <p>_____ sq. ft.</p>	<p>12. Crawl Space Wall Area</p> <p>_____ sq. ft.</p>
<p>13. Slab On Grade (above or less than 12 inches below grade)</p> <p>_____ lineal feet of slab perimeter</p>	<p>14. Total Heated Envelope Area (A.5 + A.7 + A.9 + A.10 +A.11 + A.12 +(A.13. × 2'))</p> <p>_____ sq. ft.</p>
<p>15. Percent Glazing (for Prescriptive Package Method, Section B, only) (A.1.c. ÷ A.7. × 100%)</p> <p>_____ %</p>	<p>16. Windows Description - Above-Foundation Windows: Frame type: <input type="checkbox"/> Wood or Wood Clad <input type="checkbox"/> Vinyl <input type="checkbox"/> Metal Glazing type: <input type="checkbox"/> Dual <input type="checkbox"/> Triple <input type="checkbox"/> Dual w/storm panel Dual-Glazing Air Space: <input type="checkbox"/> 1/4" <input type="checkbox"/> 3/8" <input type="checkbox"/> 1/2" or more Features: <input type="checkbox"/> Low-E <input type="checkbox"/> Argon-filled <input type="checkbox"/> Suspended film Foundation Windows: <input type="checkbox"/> Vinyl <input type="checkbox"/> Metal</p>

B. Prescriptive Package Method (Skip this section if using the System Design Method of Sections C-F)

The prescriptive package method is the simplest method for determining compliance with the UDC insulation and window requirements. To use the prescriptive package method, enter your actual design values in the "Actual" row below. **For a component, with two or more areas of different insulation levels, such as windows,** either use the least insulating value for both areas or use the Weighted Average tables below. Multiply your % glazing by the glazing U-value to obtain your "Glazing Factor". Find the Prescriptive Table that applies to your space heating fuel and sheathing type. Select a package from the table that most closely matches the construction indicated on your plans. **Do not exceed the package U-values or glazing factor or fall below the package R-values with your design.** Transfer the R-Values and U-values to the blank table below in the "Allowed" row. Then proceed to Section F. See page 2 for detailed instructions for this section.

	Package #	% glazing	U glazing	Glazing Factor (% glazing × U glazing)	R wall	R ceiling	R Bsmt, Crawl Space, Slab or Floor	U door	U overall	Equip. Eff.
Actual	-----	% (A.15)							-----	
Allowed		-----	-----	Max	Min	Min	Min	Max		

(Please go to Section F.)

Optional R-Value/U-Value Weighted Average Table for Component:

Component Construction Description	R Value	U-Value (1÷R Value)	Area (sq ft)	U-Value × Area (UA)
			Total Area =	Total UA =

$$\frac{\text{Total UA}}{\text{Total Area}} \div \frac{\text{Total Area}}{\text{Total UA}} = \text{(Weighted Average U-Value (for windows or doors))}$$

$$\frac{\text{Total Area}}{\text{Total UA}} \div \frac{\text{Total UA}}{\text{Total Area}} = \text{(Weighted Average R-Value (for all other components))}$$

Optional R-Value/U-Value Weighted Average Table for Component:

Component Construction Description	R Value	U-Value (1÷R Value)	Area (sq ft)	U-Value × Area (UA)
			Total Area =	Total UA =

$$\frac{\text{Total UA}}{\text{Total Area}} \div \frac{\text{Total Area}}{\text{Total UA}} = \text{(Weighted Average U-Value (for windows or doors))}$$

$$\frac{\text{Total Area}}{\text{Total UA}} \div \frac{\text{Total UA}}{\text{Total Area}} = \text{(Weighted Average R-Value (for all other components))}$$

C. Code-Allowed Heat Loss For System Design Method

Enter area values from Section A as notated and temperature differences per footnote 2 into this table and then multiply across by the electric or non-electric code-required U-value. Total the right column to find the total allowed heat loss factor.

Component	Area From Sect A.	× Required U-Value		= Heat Loss UA
		<input type="checkbox"/> NON-ELEC	<input type="checkbox"/> ELECTRIC	
1. Opaque Basement Wall [2]	(A.5.)	0.077	0.077	
2. Above Foundation Code Wall	(A.7.)	0.110	0.080	
3. Floor Over Interior Unconditioned Space	(A.9.)	0.050	0.050	
4. Roof or Ceiling	(A.10.)	0.026	0.020	
5. Floor Over Exterior	(A.11.)	0.033	0.033	
6. Crawl Space Wall	(A.12.)	0.060	0.060	
7. Slab On Grade[3] <input type="checkbox"/> Unheated <input type="checkbox"/> Heated	(A.13.) Lin. ft.	0.72 'F' 0.70 'F'	0.68 'F' 0.68 'F'	
8. Subtotal				
9. Credit for High Efficiency Heating Plant: 1.18 for furnace or boiler ≥90% AFUE; 1.15 for heat pump ≥ 7.8 HPSF, Otherwise use 1.0				×
10.	Total Code-Allowed Heat Loss Factor			

D. System Design Method - Actual 'U' Values Of Your Home's Components

D.1. Above-Foundation Components - If applicable, check the appropriate typical component constructions listed below, and use the pre-calculated U values. If your wall construction is not listed, you may obtain a pre-calculated U value from the default U-Value tables in the UDC Appendix. (Note that the default Table 2 Wood Frame U-values assume no insulating sheathing which penalizes you if your wall does have insulating sheathing, then you may need to use the Manual Calculation section below.) If you are using exterior metal framing, then you must use the Metal-Frame Wall U-Values of the UDC Appendix. If your component construction is not listed here or in the default tables, you need to use the Manual Calculation section below to manually enter R-values for the different layers of building materials from the Typical Thermal Properties of Building Materials Table of the UDC Appendix, ASHRAE Fundamentals Manual or manufacturer's specifications. Total them across and then obtain the U-value by taking the reciprocal (1/R) of the total R-value.

Above-Foundation Walls	<input type="checkbox"/> 2X4, 16" O.C., R-13 batt, R-1 board: U - .079	<input type="checkbox"/> 2X4, 16" O.C., R-13 batt, R-5 board: U - .061									
	<input type="checkbox"/> 2X6, 16" O.C., R-19 batt, R-1 board: U - .059	<input type="checkbox"/> 2X6, 16" O.C., R-19 batt, R-5 board: U - .049									
<input type="checkbox"/> Other - describe:	U - from Default Table										
Roof or Ceiling	<input type="checkbox"/> 2X4 truss, 24" O.C., with R-38 insulation: U - .030	<input type="checkbox"/> 2X4 truss, 24" O.C., with R-52 insulation: U - .025									
	<input type="checkbox"/> 2X12 cathedral ceiling, 16" O.C., with R-38 insulation U - .027										
<input type="checkbox"/> Other - describe:	U - from Default Table										
Floor Over Outside Air or Unconditioned Space	<input type="checkbox"/> 2X10 joists, 16" O.C., R-19 batt: U - .047										
<input type="checkbox"/> Other - describe:	U - from Default Table										
Manual U-Value Calculation (if assembly not listed above)											
Component Name	Cavity Or Solid If Applicable	Ext. Air Film*	Ext. Finish	Insulation Over Framing	Sheathing	Framing Or Solid	Insulation Within Cavity	Interior Finish	Int. Air Film*	Total R-Value	U-Value (!/R)
	Cavity					-----					
	Solid						-----				
	Cavity					-----					
	Solid						-----				

* Air Film R-Values

Location	Heat Flow Direction		
	Upwards	Horizontal	Downwards
Exterior	.17	.17	.17
Interior	.61	.68	.92

D.2. Foundation And Slab-On-Grade Components - Check appropriate boxes for planned type of construction to determine pre-calculated overall 'U-value' including air films, wall, insulation, soil and cavity/solid differences. Slab on grade F-values are per lineal foot of slab perimeter.

Component Type	U-Value	
	Basement	Crawl Space
Foundation Wall		
<input type="checkbox"/> Masonry or concrete wall without insulation	0.360	0.477
<input type="checkbox"/> Masonry or concrete wall with R-5 insulation board for full height	0.115	0.136
<input type="checkbox"/> Masonry or concrete wall with R-10 insulation board or R-11 insulation batt and 2X4's for full height	0.072	0.081
<input type="checkbox"/> Permanent wood foundation with R-19 batt for full height	0.054	0.059
<input type="checkbox"/> Basement or crawl space floor without insulation	0.025	0.025
Slab-On-Grade (or within 12" of grade)	F-Value	
<input type="checkbox"/> Slab-on-grade without insulation	1.04	
<input type="checkbox"/> Slab-on-grade with R-5 insulation for 48" total horizontal and vertical application	0.74	
<input type="checkbox"/> Slab-on-grade with R-10 insulation board for 48" total application	0.68	

D.3. Windows And Doors - Use manufacturer's specifications for window and glazed door values, if they were determined per NFRC Std 100, to enter into Table E. Otherwise see default tables of UDC s. Comm 22.05 for U-values.

E. System Design Method - Calculated Envelope Heat Loss Factor Of Your Home

Enter values into table from elsewhere on this worksheet and multiply across to find the actual heat loss factor of each component. If using pre-calculated component U-values, **do not calculate separate cavity and solid figures or apply wood frame factors**. Total component heat loss factors in right column to find total envelope heat loss factors.

Component	Cavity Or Solid If Applicable	Area From Sect. A	× Wood Frame Factor**	× Actual 'U' Value From Sect. D	= Heat Loss Factor (UA)
Above-Foundation Windows	-----	(A.1.a.)	-----		
Foundation Windows	-----	(A.1.b)	-----		
Doors	-----	(A.2.c)	-----		
Opaque Basement Wall	-----	(A.5.)	-----		
Opaque Above-Foundation Wall	Cavity	(A.8.)			
	Solid				
Floor Over Unconditioned Spaces	Cavity	(A.9.)			
	Solid				
Roof or Ceiling	Cavity	(A.10.)			
	Solid				
Floor Over Outside Air	Cavity	(A.11.)			
	Solid				
Crawl Space Wall	-----	(A.12.)	-----		
Slab On Grade	-----	(A.13.)Lin. ft.	-----	F-Value	
Total Calculated Envelope Heat Loss Factor- Not to exceed Total Code Allowed Heat Loss Factor of line 10 of Section C. (Enter here: _____) by more than 1%					

** Adjustment Factors For Wood-Framed Components - Do not apply if your are using a pre-calculated or default U-Value.

Spacing Of Framing Members	Stud Walls		Joists/Rafters	
	Cavity	Solid	Cavity	Solid
12"	.70	.30	.86	.14
16"	.75	.25	.90	.10
24"	.78	.22	.93	.07

F. Heat Loss Factor Due to Air Infiltration (for heating equipment sizing)

Enter appropriate values. A maximum infiltration air change rate of 0.5 per hour is allowed in addition to exhaust fan ventilation losses.

Floor Level	Area (sq ft)	× Height (ft)	Fan Capacity (cfm)	× Constant	× Air Changes Per Hour	= Heat Loss Factor(UA)
Basement			-----	.018		
Level 1			-----	.018		
Level 2			-----	.018		
Level 3			-----	.018		
Exhaust Fan Ventilation	-----	-----		.432	-----	
Total Infiltration & Ventilation Heat Loss Factor						

G. Heating Equipment Sizing

Enter appropriate value to determine the maximum and minimum allowable heating equipment capacity in BTUs/HR. A more detailed calculation may be submitted to the local code official. [4]

Prescriptive Package Method:	$\frac{U_{\text{overall}} \text{ from selected Prescriptive Package of Section B}}{\times} \frac{\text{Total Envelope Area (A.14.)}}{=}$	
OR System Design Method:	Calculated Heat Loss Factor from Sect. E.	
Infiltration & Ventilation Heat Loss Factor (from Sect. F.)		+
Total Heat Loss Factor (UA)		=
Temperature Difference from County Zone Table on page 1		×
Minimum Heating Equipment Output		=
Allowable Heating Equipment Size Margin Multiplier		× 1.15
Maximum Allowable Heating Equipment Output [5]		=
Planned Furnace Output Or Boiler IBR Rating		
Make & Model if High Efficiency Credit has been taken:		

Prescriptive Package Tables (Corrected)

(See notes on page 2 of Energy Worksheet; I = insulating sheathing, RT = raised heel roof truss)

Table B-1 Prescriptive packages, Non-electric Heat, Structural Sheathing only

Package	Glazing Factor	R wall	R ceiling	R basement	U door	U overall	HVAC Equipment Efficiency
1	0.0370	R21	R42	R7	0.35	0.073	Normal
2	0.0264	R21	R51, RT	R5	0.35	0.073	Normal
3	0.0333	R15	R42	R10	0.35	0.073	Normal
4	0.0440	R19	R33	R10	0.35	0.073	Normal
5	0.0330	R13	R42	R11	0.35	0.073	Normal
6	0.0480	R19	R33	R11	0.35	0.073	Normal
7	0.0600	R21	R47	R11	0.35	0.073	Normal
8	0.0407	R13	R44	R13	0.35	0.073	Normal
9	0.0600	R19	R42	R13	0.35	0.073	Normal
10	0.0680	R21	R38, RT	R13	0.35	0.073	Normal
11	0.0296	R13	R49	R5	0.35	0.086	High
12	0.0440	R19	R30	R5	0.35	0.086	High
13	0.0520	R21	R33	R5	0.35	0.086	High
14	0.0720	R13	R47	R10	0.35	0.086	High
15	0.0784	R19	R38	R10	0.47	0.086	High
16	0.0640	R13	R33	R11	0.47	0.086	High
17	0.0896	R19	R49	R11	0.35	0.086	High
18	0.0896	R21	R34	R11	0.35	0.086	High
19	0.0920	R19	R34	R11	0.47	0.086	High
20	0.0840	R13	R49	R13	0.35	0.086	High
21	0.0840	R19	R30	R13	0.47	0.086	High
22	0.0896	R21	R31	R13	0.47	0.086	High
Package	Glazing Factor	R wall	R ceiling	R crawl	U door	U overall	HVAC Equipment Efficiency
23	0.0520	R19	R34	R19	0.47	0.070	Normal
24	0.0672	R13	R36	R19	0.47	0.083	High
25	0.0720	R13	R33	R19	0.47	0.083	High
Package	Glazing Factor	R wall	R ceiling	R slab	U door	U overall	HVAC Equipment Efficiency
26	0.0560	R21	R36	R5	0.47	0.103	Normal
27	0.0728	R13	R36	R5	0.47	0.121	High
28	0.0760	R13	R34	R5	0.47	0.121	High
Package	Glazing Factor	R wall	R ceiling	R heated-slab	U door	U overall	HVAC Equipment Efficiency
29	0.0560	R21	R47	R5	0.47	0.101	Normal
30	0.0728	R13	R42	R5	0.47	0.120	High
31	0.0760	R13	R38	R5	0.47	0.120	High
Package	Glazing Factor	R wall	R ceiling	R floor	U door	U overall	HVAC Equipment Efficiency
32	0.0480	R19	R47	R19	0.35	0.065	Normal
33	0.0728	R19	R36	R19	0.47	0.077	High
34	0.0560	R13	R34	R19	0.47	0.077	High

Table B-2 Prescriptive packages, Non-electric Heat, Insulating Sheathing

Package	Glazing Factor	R wall	R ceiling	R basement	U door	U overall	HVAC Equipment Efficiency
35	0.0370	R20, I	R42	R7	0.35	0.073	Normal
36	0.0363	R28, I	R38, RT	R5	0.35	0.073	Normal
37	0.0552	R18, I	R44	R10	0.35	0.073	Normal
38	0.0560	R20, I	R47	R10	0.35	0.073	Normal
39	0.0560	R23, I	R34	R10	0.35	0.073	Normal
40	0.0560	R18, I	R47	R11	0.35	0.073	Normal
41	0.0616	R23, I	R42	R11	0.35	0.073	Normal
42	0.0546	R18, I	R44	R11	0.35	0.073	Normal
43	0.0672	R23, I	R40	R13	0.35	0.073	Normal
44	0.0720	R25, I	R36	R13	0.35	0.073	Normal
45	0.0504	R18, I	R40	R5	0.35	0.086	High
46	0.0560	R19, I	R47	R5	0.35	0.086	High
47	0.0560	R23, I	R38	R5	0.47	0.086	High
48	0.0600	R25, I	R38	R5	0.47	0.086	High
49	0.0680	R26, I	R42	R5	0.35	0.086	High
50	0.0680	R28, I	R47	R5	0.47	0.086	High
51	0.0672	R26, I	R47	R5	0.35	0.086	High
52	0.0672	R28, I	R38	R5	0.35	0.086	High
53	0.0720	R20, I	R42	R7	0.47	0.086	High
54	0.0855	R18, I	R36	R11	0.35	0.086	High

55	0.0896	R23, I	R33	R11	0.47	0.086	High
56	0.0861	R18, I	R36	R13	0.47	0.086	High
57	0.1000	R23, I	R33	R13	0.47	0.086	High
Package	Glazing Factor	R wall	R ceiling	R crawl	U door	U overall	HVAC Equipment Efficiency.
58	0.0546	R18, I	R38	R19	0.47	0.070	Normal
59	0.0784	R15, I	R30	R19	0.47	0.083	High
60	0.0880	R15, I	R38	R19	0.47	0.083	High
Package	Glazing Factor	R wall	R ceiling	R slab	U door	U overall	HVAC Equipment Efficiency
61	0.0640	R23, I	R36	R5	0.47	0.103	Normal
62	0.0896	R15, I	R36	R5	0.47	0.121	High
63	0.0960	R15, I	R38	R5	0.47	0.121	High
Package	Glazing Factor	R wall	R ceiling	R heated-slab	U door	U overall	HVAC Equipment Efficiency
64	0.0640	R23, I	R34	R5	0.47	0.101	Normal
65	0.0840	R15, I	R31	R5	0.47	0.121	High
66	0.0920	R15, I	R33	R5	0.47	0.121	High
Package	Glazing Factor	R wall	R ceiling	R floor	U door	U overall	HVAC Equipment Efficiency
67	0.0480	R20, I	R44	R19	0.35	0.065	Normal
68	0.0728	R20, I	R36	R19	0.47	0.077	High
69	0.0560	R14, I	R38	R19	0.47	0.078	High

Table B-3 Prescriptive packages, Electric Heat, Structural Sheathing Only

Package	Glazing Factor	R wall	R ceiling	R basement	U door	U overall	HVAC Equipment Efficiency
E 70	0.0396	R21	R37, RT	R19	0.35	0.059	Normal
E 71	0.0429	R21	R42, RT	R19	0.35	0.059	Normal
E 72	0.0520	R21	R49	R13	0.35	0.068	High
E 73	0.0640	R19	R42, RT	R19	0.35	0.068	High
E 74	0.0693	R21	R49, RT	R19	0.47	0.068	High
Package	Glazing Factor	R wall	R ceiling	R crawl	U door	U overall	HVAC Equipment Efficiency
E 75	0.0429	R21	R54, RT	R30	0.35	0.054	Normal
E 76	0.0480	R21	R45, RT	R19	0.35	0.062	High
E 77	0.0627	R21	R54, RT	R30	0.47	0.062	High
Package	Glazing Factor	R wall	R ceiling	R slab	U door	U overall	HVAC Equipment Efficiency
E 78	0.0396	R26	R51, RT	R10	0.35	0.083	Normal
E 79	0.0480	R21	R49	R7	0.35	0.095	High
E 80	0.0528	R21	R49, RT	R5	0.35	0.095	High
Package	Glazing Factor	R wall	R ceiling	R floor	U door	U overall	HVAC Equipment Efficiency
E 81	0.0363	R21	R54, RT	R30	0.35	0.052	Normal
E 82	0.0520	R21	R49	R30	0.35	0.060	High
E 83	0.0528	R21	R44, RT	R30	0.47	0.060	High

Table B-4 Prescriptive packages, Electric Heat, Insulating Sheathing

Package	Glazing Factor	R wall	R ceiling	R basement	U door	U overall	HVAC Equipment Efficiency
E 84	0.0480	R25, I	R48, RT	R16	0.35	0.059	Normal
E 85	0.0495	R25, I	R48, RT	R16	0.35	0.059	Normal
E 86	0.0462	R28, I	R40	R16	0.35	0.059	Normal
E 87	0.0429	R25, I	R36	R18	0.35	0.059	Normal
E 88	0.0528	R23, I	R58, RT	R18	0.35	0.059	Normal
E 89	0.0462	R25, I	R42	R18	0.35	0.059	Normal
E 90	0.0560	R25, I	R46, RT	R10	0.35	0.068	High
E 91	0.0640	R23, I	R48, RT	R13	0.35	0.068	High
E 92	0.0600	R25, I	R42	R13	0.35	0.068	High
E 93	0.0600	R23, I	R37	R18	0.47	0.068	High
E 94	0.0759	R25, I	R46, RT	R18	0.47	0.068	High
Package	Glazing Factor	R wall	R ceiling	R crawl	U door	U overall	HVAC Equipment Efficiency
E 95	0.0429	R25, I	R48, RT	R23	0.35	0.054	Normal
E 96	0.0520	R23, I	R38	R23	0.35	0.062	High
E 97	0.0561	R25, I	R44	R23	0.47	0.062	High
Package	Glazing Factor	R wall	R ceiling	R slab	U door	U overall	HVAC Equipment Efficiency
E 98	0.0396	R25, I	R48, RT	R10	0.35	0.083	Normal
E 99	0.0560	R23, I	R44	R7	0.35	0.095	High
E 100	0.0594	R25, I	R46, RT	R5	0.47	0.095	High
Package	Glazing Factor	R wall	R ceiling	R floor	U door	U overall	HVAC Equipment Efficiency
E 101	0.0429	R25, I	R46, RT	R30	0.35	0.052	Normal
E 102	0.0560	R23, I	R44	R30	0.35	0.060	High
E 103	0.0627	R25, I	R44, RT	R30	0.47	0.060	High

Wisconsin Division of Safety and Buildings Wisconsin Stats. 101.63, 101.73	WISCONSIN UNIFORM BUILDING PERMIT APPLICATION Instructions on back of second ply. The information you provide may be used by other government agency programs [(Privacy Law, s. 15.04 (1)(m)]	Application No. Parcel No.																						
PERMIT REQUESTED <input type="checkbox"/> Constr. <input type="checkbox"/> HVAC <input type="checkbox"/> Electric <input type="checkbox"/> Plumbing <input type="checkbox"/> Erosion Control Other:																								
Owner's Name		Mailing Address	Tel.																					
Contractor's Name: <input type="checkbox"/> Con <input type="checkbox"/> Elec <input type="checkbox"/> HVAC <input type="checkbox"/> Plbg		Lic/Cert#	Mailing Address																					
			Tel.																					
			FAX#																					
Contractor's Name: <input type="checkbox"/> Con <input type="checkbox"/> Elec <input type="checkbox"/> HVAC <input type="checkbox"/> Plbg		Lic/Cert#	Mailing Address																					
			Tel.																					
			FAX#																					
Contractor's Name: <input type="checkbox"/> Con <input type="checkbox"/> Elec <input type="checkbox"/> HVAC <input type="checkbox"/> Plbg		Lic/Cert#	Mailing Address																					
			Tel.																					
			FAX#																					
Contractor's Name: <input type="checkbox"/> Con <input type="checkbox"/> Elec <input type="checkbox"/> HVAC <input type="checkbox"/> Plbg		Lic/Cert#	Mailing Address																					
			Tel.																					
			FAX#																					
PROJECT LOCATION	Lot area _____ Sq. ft. _____ 1/4, _____ 1/4, of Section _____, T _____ N, R _____ E (or) W																							
Building Address		Subdivision Name	Lot No.																					
			Block No.																					
Zoning District(s)	Zoning Permit No.	Setbacks:	Front _____ ft. Rear _____ ft. Left _____ ft. Right _____ ft.																					
1. PROJECT	3. OCCUPANCY	6. ELECTRICAL	9. HVAC EQUIPMENT																					
<input type="checkbox"/> New <input type="checkbox"/> Repair <input type="checkbox"/> Alteration <input type="checkbox"/> Raze <input type="checkbox"/> Addition <input type="checkbox"/> Move <input type="checkbox"/> Other:	<input type="checkbox"/> Single Family <input type="checkbox"/> Two Family <input type="checkbox"/> Garage <input type="checkbox"/> Other:	Entrance Panel Amps: _____ <input type="checkbox"/> Underground <input type="checkbox"/> Overhead	<input type="checkbox"/> Forced Air Furnace <input type="checkbox"/> Radiant Basebd/ Panel <input type="checkbox"/> Heat Pump <input type="checkbox"/> Boiler <input type="checkbox"/> Central Air Cond. <input type="checkbox"/> Other:																					
		7. FOUNDATION	12. ENERGY SOURCE																					
		<input type="checkbox"/> Concrete <input type="checkbox"/> Masonry <input type="checkbox"/> Treated Wood <input type="checkbox"/> Other:	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Fuel</td> <td>Nat Gas</td> <td>LP</td> <td>Oil</td> <td>Elec</td> <td>Solid</td> <td>Solar</td> </tr> <tr> <td>Space Htg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>Water Htg</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> </table> <input type="checkbox"/> Dwelling unit has 3 kilowatt or more in electric space heating equipment capacity.	Fuel	Nat Gas	LP	Oil	Elec	Solid	Solar	Space Htg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Water Htg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fuel	Nat Gas	LP	Oil	Elec	Solid	Solar																		
Space Htg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																		
Water Htg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																		
2. AREA INVOLVED	4. CONST. TYPE	8. USE	13. HEAT LOSS																					
Unfin. Bsmt _____ Sq Ft Living Area _____ Sq Ft Garage _____ Sq Ft Deck _____ Sq Ft.	<input type="checkbox"/> Site-Built <input type="checkbox"/> Mfd: <input type="checkbox"/> WI UDC <input type="checkbox"/> U.S. HUD	<input type="checkbox"/> Seasonal <input type="checkbox"/> Permanent <input type="checkbox"/> Other:	_____ BTU/HR Total Calculated Envelope and Infiltration Losses ("Maximum Allowable Heating Equipment Output" on Energy Worksheet; "Total Building Heating Load" on WIScheck report)																					
	5. STORIES	10. SEWER	14. EST. BUILDING COST																					
	<input type="checkbox"/> 1-Story <input type="checkbox"/> 2-Story <input type="checkbox"/> Other: <input type="checkbox"/> Plus Basement	<input type="checkbox"/> Municipal <input type="checkbox"/> Sanitary Permit No.:	<input type="checkbox"/> Municipal Utility <input type="checkbox"/> Private On-Site Well																					
		11. WATER	\$ _____																					
I agree to comply with all applicable codes, statutes and ordinances and with the conditions of this permit; understand that the issuance of the permit creates no legal liability, express or implied, on the state or municipality; and certify that all the above information is accurate. If I am an owner applying for an erosion control or construction permit, I have read the cautionary statement regarding contractor financial responsibility on the reverse side of the last ply. I expressly grant the building inspector, or the inspector's authorized agent, permission to enter the premises for which this permit is sought at all reasonable hours and for any proper purpose to inspect the work which is being done.																								
APPLICANT'S SIGNATURE _____		DATE SIGNED _____																						
APPROVAL CONDITIONS	This permit is issued pursuant to the following conditions. Failure to comply may result in suspension or revocation of this permit or other penalty. <input type="checkbox"/> See attached for conditions of approval.																							
ISSUING JURISDICTION	<input type="checkbox"/> Town of <input type="checkbox"/> Village of <input type="checkbox"/> City of <input type="checkbox"/> County of <input type="checkbox"/> State Inspection Agency #:		Municipality Number of Dwelling Location _____																					
FEES:		PERMIT(S) ISSUED	WIS PERMIT SEAL #																					
Plan Review	\$ _____	<input type="checkbox"/> Construction																						
Inspection	\$ _____	<input type="checkbox"/> HVAC																						
Wis. Permit Seal	\$ _____	<input type="checkbox"/> Electrical																						
Other	\$ _____	<input type="checkbox"/> Plumbing																						
Total	\$ _____	<input type="checkbox"/> Erosion Control																						
			PERMIT ISSUED BY:																					
			Name _____																					
			Date _____ Tel. _____																					
			Cert No. _____																					

INSTRUCTIONS

The owner, builder or agents shall complete the application form down through the Signature of Applicant block and submit it and building plans and specifications to the enforcing municipality. Permit application data is used for statewide statistical gathering on new one- and two-family dwellings, as well as for local code administration.

PERMIT REQUESTED

- Check off type of Permit Requested, such as structural, HVAC, Electrical or Plumbing.
- Fill in owner's current Mailing Address and Telephone Number.

PROJECT LOCATION

- Fill in Building Address (number and street or sufficient information so that the building inspector can locate the construction site.
- Fill in Contractor Information. Per s. 101.654 (1) WI Stats., an individual taking out an erosion control or construction permit shall enter his or her dwelling contractor financial responsibility certificate number, unless they reside or will reside in the dwelling. Per s. 101.63 (7) Wis. Stats., the master plumber name and license number must be entered before issuing a plumbing permit.
- Local zoning, land use and flood plain requirements must be satisfied before a building permit can be issued. County approval may be necessary.
- Fill in Zoning District, lot area and required building setbacks.

PROJECT DATA - Fill in all numbered project data blocks (1-14) with the required information. All data blocks must be filled in, including the following:

2. Area (involved in project):
 - Basements - include unfinished area only
 - Living area - include any finished area including finished areas in basements
 - Two-family dwellings - include total combined areas
3. Occupancy - Check only "Single-Family" or "Two-Family" if that is what is being worked on. In other words, do not check either of these two blocks if only a new detached garage is being built, even if it serves a one or two family dwelling. Instead, check "Garage" and number of stalls. If the project is a community based residential facility serving 3 to 8 residents, it is considered a single-family dwelling.
9. HVAC Equipment - Check only the major source of heat, plus central air conditioning if present. Only check "Radiant Baseboard or Panel" if there is no central source of heat.
10. Plumbing - A building permit cannot be issued until a sanitary permit has been issued for any new or affected existing private onsite wastewater treatment system.
14. Estimated Cost - Include the total cost of construction, including materials and market rate labor, but not the cost of land or landscaping.

SIGNATURE - Sign and date this application form.

CONDITIONS OF APPROVAL - The authority having jurisdiction uses this section to state any conditions that must be complied with pursuant to issuing the building permit.

ISSUING JURISDICTION: This must be completed by the authority having jurisdiction.

- Check off Municipality Status, such as town, village, city, county or state inspection agency.
- Fill in Municipality Name and Municipality Number or State Inspection Agency number of inspection authority.
- Fill in Municipality Number of Dwelling Location if different from municipality where inspection authority is located. (applies to county or state enforcement)
- Check off type of Permit Issued, such as construction, HVAC, electrical or plumbing.
- Fill in Wisconsin Uniform Permit Seal Number, if project is a new one- or two-family dwelling.
- Fill in Name and Inspector Certification Number of person reviewing building plans and date building permit issued.

PLEASE RETURN SECOND PLY WITHIN 30 DAYS AFTER ISSUANCE TO (You may fold along the dashed lines and insert this form into a window envelope.):

Safety & Buildings Division
P O Box 2509
Madison, WI 53701-2509

CAUTIONARY STATEMENT TO OWNERS OBTAINING BUILDING PERMITS
(Part of Ply 4 for Applicants)

101.65(lr) of the Wisconsin Statutes requires municipalities that enforce the Uniform Dwelling Code to provide an owner who applies for a building permit with a statement advising the owner that:

If the owner hires a contractor to perform work under the building permit and the contractor is not bonded or insured as required under s. 101.654 (2) (a), the following consequences might occur:

(a) The owner may be held liable for any bodily injury to or death of others or for any damage to the property of others that arises out of the work performed under the building permit or that is caused by any negligence of the contractor that occurs in connection with the work performed under the building permit.

(b) The owner may not be able to collect from the contractor damages for any loss sustained by the owner because of a violation by the contractor of the one- and two- family dwelling code or an ordinance enacted under sub. (1) (a), because of any bodily injury to or death of others or damage to the property of others that arises out of the work performed under the building permit or because of any bodily injury to or death of others or damage to the property of others that is caused by any negligence by the contractor that occurs in connection with the work performed under the building permit.