

**One or Two family New Home****\$500.00** for building permit**Required Documents from Applicant:**

- |  |
|--|
| <input type="checkbox"/> *Full plans (2-11”X17” copies)                          |
| <input type="checkbox"/> *Site plans   |
| <input type="checkbox"/> *Erosion Control Plan Document                          |
| <input type="checkbox"/> *Building Permit Lot line Document                      |
| <input type="checkbox"/> *Energy Worksheet                                       |
| <input type="checkbox"/> *Wall Bracing Compliance Worksheet                      |
| <input type="checkbox"/> *Residential Electric Service Application and Agreement |
| <input type="checkbox"/> *Building Permit Application                            |

**Additional Information Included in this Packet:**

- |   |
|---|
| <input type="checkbox"/> Contractor Responsibilities list                     |
| <input type="checkbox"/> Water Runoff Document                                |
| <input type="checkbox"/> Schedule of Regulations, Chapter 365-48 attachment 1 |
| <input type="checkbox"/> Carbon Monoxide Detectors Required                   |

**Fees required with permit application:**

- **\$500.00 Building Permit Fee**
- **\$500.00 per unit for Sanitary Sewer Connection**
- **\$ 50.00 per unit for Water Inspection**

**Possible additional fees:**

- **\$100.00 for Temporary Electrical Service**
- **\$500.00 for Excavations & Street Openings -  
(Permit Application must be filled out)**

# Standard Erosion Control Plan

## for 1- & 2-Family Dwelling Construction Sites

According to Chapters Comm 20 & 21 of the Wisconsin Uniform Dwelling Code, soil erosion control information needs to be included on the plot plan which is submitted and approved prior to the issuance of building permits for 1- & 2-family dwelling units in those jurisdictions where the soil erosion control provisions of the Uniform Dwelling Code are enforced. This Standard Erosion Control Plan is provided to assist in meeting this requirement.

### Instructions:

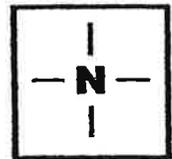
1. Complete this plan by filling in requested information, completing the site diagram and marking appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during, and after grading. Water runoff patterns can change significantly as a site is reshaped.
3. Submit this plan at the time of building permit application.

PROJECT LOCATION \_\_\_\_\_

BUILDER \_\_\_\_\_ OWNER \_\_\_\_\_

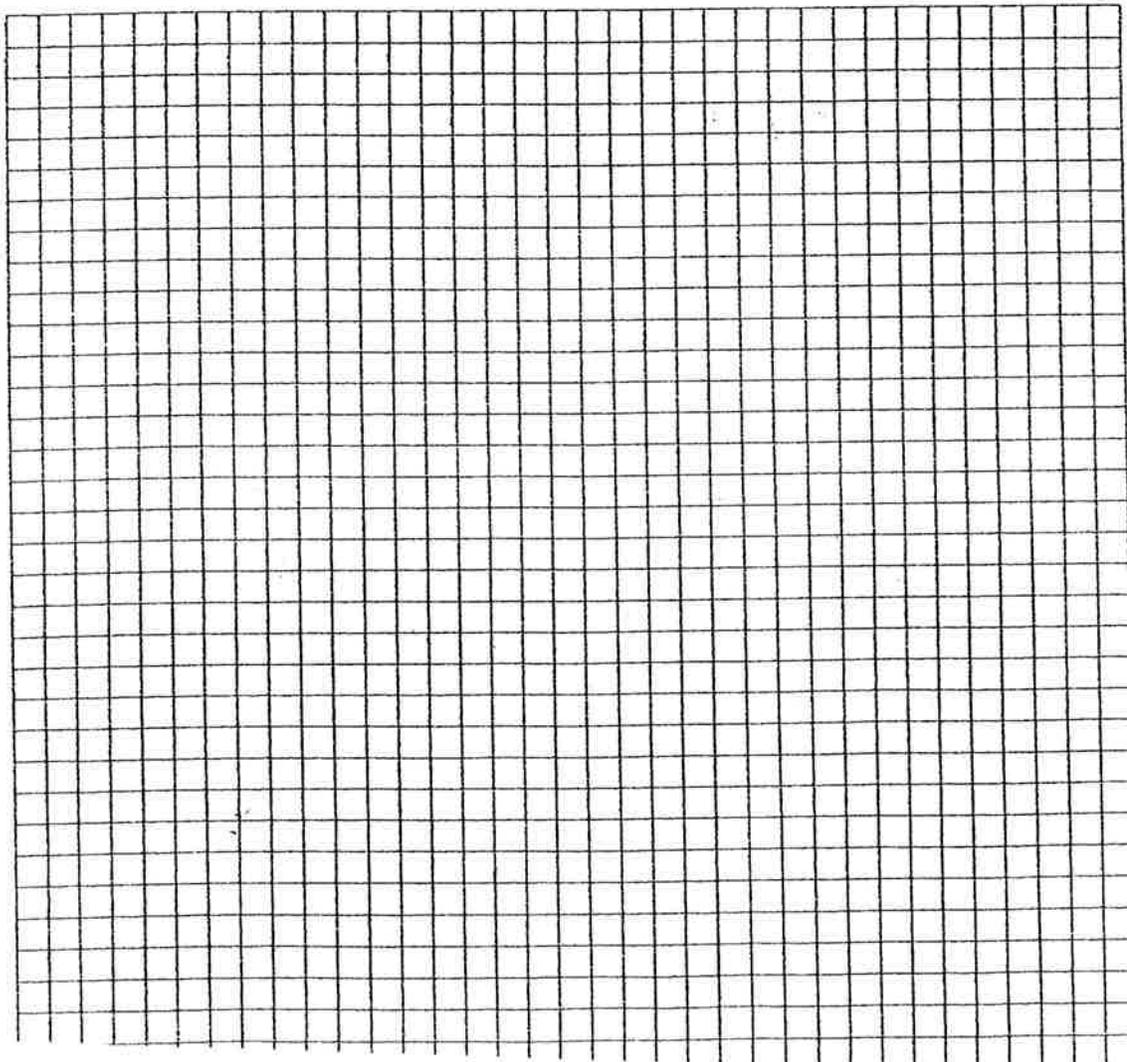
WORKSHEET COMPLETED BY \_\_\_\_\_ DATE \_\_\_\_\_

Please indicate north by completing the arrow.



**SITE DIAGRAM**

Scale: 1 inch = \_\_\_\_ feet



### EROSION CONTROL PLAN LEGEND

- PROPERTY LINE
- EXISTING DRAINAGE
- TD TEMPORARY DIVERSION
- FINISHED DRAINAGE
- LIMITS OF GRADING
- SILT FENCE
- STRAW BALES
- ☒ GRAVEL
- ① VEGETATION SPECIFICATION
- ☐ TREE PRESERVATION
- ⊞ STOCKPILED SOIL

**Village of Sauk City  
Applying for a Building Permit**

The Village is not responsible to find your lot lines. If you are applying for a building permit and do not know where your lot lines are you must have a certified survey filed with your application.

The elevation of your building cannot create a water run off problem for you or any adjoining parcel.

In order to process you application you must submit the following with your building permit:

- Site plans showing all lot lines and the exact measurements from each lot line to the new and existing structure.
- Elevations of the new construction and existing buildings.

When you sign the building permit and file your drawings you are stating that you know where your lot lines are.

I have read the above information and understand that I am responsible for knowing exactly where my lot lines are.

\_\_\_\_\_  
Signature of Owner

\_\_\_\_\_  
Address of Property

\_\_\_\_\_  
Date filed

## 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.

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### 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 &amp; 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, <b>including boxsill</b></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.
<b>Actual</b>	-----	% (A.15)							-----	
<b>Allowed</b>		-----	-----	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				×
<b>10.</b>	<b>Total Code-Allowed Heat Loss Factor</b>			

**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.

<b>Above-Foundation Walls</b>	<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										
<b>Roof or Ceiling</b>	<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										
<b>Floor Over Outside Air or Unconditioned Space</b>	<input type="checkbox"/> 2X10 joists, 16” O.C., R-19 batt: U - .047										
<input type="checkbox"/> Other - describe:	U - _____ from Default Table										
<b>Manual U-Value Calculation (if assembly not listed above)</b>											
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
<b>Exterior</b>	.17	.17	.17
<b>Interior</b>	.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
<b>Foundation Wall</b>		
<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
<b>Slab-On-Grade (or within 12” of grade)</b>	<b>F-Value</b>	
<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	
<b>Total Calculated Envelope Heat Loss Factor-</b> 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	-----	
<b>Total Infiltration &amp; Ventilation Heat Loss Factor</b>						

**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]

<b>Prescriptive Package Method:</b>	$\frac{U_{\text{overall}} \text{ from selected Prescriptive Package of Section B}}{\times} \frac{\text{Total Envelope Area (A.14.)}}{=}$	
<b>OR System Design Method:</b>	Calculated Heat Loss Factor from Sect. E.	
Infiltration & Ventilation Heat Loss Factor (from Sect. F.)		+
Total Heat Loss Factor (UA)		=
Temperature Difference from <b>County Zone Table</b> on page 1		×
<b>Minimum Heating Equipment Output</b>		=
Allowable Heating Equipment Size Margin Multiplier		× 1.15
<b>Maximum Allowable Heating Equipment Output [5]</b>		=
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R crawl</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency.</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R slab</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R heated-slab</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R floor</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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**

<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R basement</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R crawl</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R slab</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R floor</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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**

<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R basement</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R crawl</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R slab</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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
<b>Package</b>	<b>Glazing Factor</b>	<b>R wall</b>	<b>R ceiling</b>	<b>R floor</b>	<b>U door</b>	<b>U overall</b>	<b>HVAC Equipment Efficiency</b>
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

## Wall Bracing Compliance Worksheet

Complete this worksheet or provide equivalent information on the plans submitted with the permit application.

Sketch and dimension the building plan and the wall bracing rectangle(s) per 321.25(8)(c)1. and Figure 321.25-B. Provide and label additional sketches if the building plan/rectangles change at different floor levels.

Indicate applicable Wall Bracing Method for each level (see Table 321.25-G), each labeled rectangle if more than one [see 321.25(8)(c)], and amount of bracing (# of braced panels or length of braced wall required) per the respective table (provide additional worksheets for additional rectangles as needed):

Rectangle: \_\_\_\_\_ Wall Ht. = \_\_\_\_\_ Eave to Ridge Ht. = \_\_\_\_\_ Max. Opening Ht. = \_\_\_\_\_ Wind Exp. = \_\_\_\_\_

Walls Supporting:	Intermittent method (LIB, DWB, WSP, SFB, GB, PCP) and # of panels per Table 321.25-I Min. panel width (Table 321.25-G) = _____		Continuous method (CS-WSP, CS-SFB) and total length required per Table 321.25-J Min. panel width (Table 321.25-H) = _____		PF Method (see Figure 321.25-A). Indicate number of PF panels 16-24" wide provided. Min. PF width (Fig. 321.25-A) = _____	
	Long side	Short side	Long side	Short side	Long side	Short side
Roof and ceiling only						
One floor, roof and ceiling						
Two floors, roof and ceiling						

Rectangle: \_\_\_\_\_ Wall Ht. = \_\_\_\_\_ Eave to Ridge Ht. = \_\_\_\_\_ Max. Opening Ht. = \_\_\_\_\_ Wind Exp. = \_\_\_\_\_

Walls Supporting:	Intermittent method (LIB, DWB, WSP, SFB, GB, PCP) and # of panels per Table 321.25-I Min. panel width (Table 321.25-G) = _____		Continuous method (CS-WSP, CS-SFB) and total length required per Table 321.25-H Min. panel width (Table 321.25-H) = _____		PF Method (see Figure 321.25-A). Indicate number of PF panels 16-24" wide provided. Min. PF width (Fig. 321.25-A) = _____	
	Long side	Short side	Long side	Short Side	Long side	Short side
Roof and ceiling only						
One floor, roof and ceiling						
Two floors, roof and ceiling						

**PF Method:** For Intermittent bracing, per Table 321.25-I footnote 'h', each PF panel (16-24" wide per Figure 321.25-A) counts as 1/2 of a braced wall panel when determining compliance with Table 321.25-I. For Continuously Sheathed bracing, the actual length of each PF panel (16-24" wide per Figure 321.25-A) in feet counts toward the required total length of bracing required. For intermittent or continuous methods, each PF panel meeting min. required width of Fig. 321.25-A counts as a braced wall panel when evaluating panel spacing per Fig. 321.25-C.

**Indicate location of required braced wall panels determined above on each rectangle side as required by Figure 321.25-C.**



**RESIDENTIAL ELECTRIC  
SERVICE APPLICATION AND AGREEMENT  
SAUK CITY UTILITIES**

**FOR OFFICE USE ONLY**

Received	Customer Account No.
Sauk City Utilities Representative	Map Location
Work Phone No.	
(    )	

**HOME OWNER AND SITE INFORMATION**

Home Owner Name (Last/First/MI)	Social Security No.			
_____	_____			
New Service Address	Street _____ City _____ State _____ Zip _____			
Existing Mailing Address	Street _____ City _____ State _____ Zip _____			
Home Phone No.	Cell Phone No.	Work Phone No.	Fax No.	E-mail Address
(    )	(    )	(    )	(    )	_____
Subdivision Name	Lot No.			
_____	_____			

County	Square Footage of Dwelling	Dwelling Type	(Number of Units)
_____	_____	<input type="checkbox"/> Single Family <input type="checkbox"/> Multi-Unit	_____

**BILLING INFORMATION**

Who should be billed for electric installation?	Who should be billed for electric usage during construction?
Builder                      Building Owner	Builder                      Building Owner

**CONTRACTOR INFORMATION**

Builder/Contractor Name	Contact Person Name	Federal Tax I.D. No.		
_____	_____	_____		
Address: Street	City	State	Zip	
_____	_____	_____	_____	
Home Phone No.	Cell Phone No.	Work Phone No.	Fax No.	E-mail Address
(    )	(    )	(    )	(    )	_____
Electrical Contractor	Work Phone No.	Cell Phone No.		
_____	(    )	(    )		
Heating Contractor	Work Phone No.	Cell Phone No.		
_____	(    )	(    )		

**ELECTRIC SERVICE REQUIREMENTS**

Date Permanent Electric Service Needed (MM/DD/YY):	Date Temporary Electric Service Needed (MM/DD/YY):	
____/____/____	____/____/____	
<b>Service Amps</b>	<b>Service Type</b>	<b>Voltage</b>
<input type="checkbox"/> 100 <input type="checkbox"/> 200 <input type="checkbox"/> 300 <input type="checkbox"/> Other _____	<input type="checkbox"/> Overhead <input type="checkbox"/> Underground	<input type="checkbox"/> 120/240 <input type="checkbox"/> Other _____
<b>Electric Equipment</b>		
<input type="checkbox"/> Electric Heat _____ Watts	<input type="checkbox"/> Water Heater _____ Quantity	<input type="checkbox"/> Central A/C _____ Tons
<input type="checkbox"/> _____ Locked Rotor Amps (LRA)	<input type="checkbox"/> Other (Hot Tubs, etc.) _____	

**BUILDING SITE SKETCH AND METER LOCATION REQUIREMENTS**

Customer must include a building site sketch with this application and mark the following information on the map:

- 1 Mark an "E" for your proposed electric meter socket/pedestal location with a measurement from the nearest corner of the dwelling.
- 2 Show all decks, pools, wells, septic, underground tanks/fuel lines, drain tiles/downspouts, customer owned wires, sprinkler systems, yard lighting, etc.

**ITEMS SAUK CITY UTILITIES WILL NEED PRIOR TO SERVICE INSTALLATION/CONNECTION**

Type an "X" in the following boxes to ensure the steps have been completed. If they do not apply to your installation, type "N/A" in the box.

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> 1) Application filled out completely and signed.  | <input type="checkbox"/> 2) Sketch of customer owned included with application.                           | <input type="checkbox"/> 3) Payment of construction charges, if applicable.  |
| <input type="checkbox"/> 4) Electric route within 6 inches of final grade and clear of all obstructions (lumber, machinery, etc.)  | <input type="checkbox"/> 5) Recorded copy of certified survey map or platted lot and lot corners staked.  | <input type="checkbox"/> 6) Appropriate inspection form or statement turned into Sauk City Utilities for electric utilities. |
| <input type="checkbox"/> 7) Expose or locate (with staking, flagging and/or other durable marking) the physical location of any customer owned underground facilities, i.e. wells, septic, underground tanks/fuel lines, drain tiles/downspouts, customer owned wires, sprinkler systems, and yard lighting. | 8) Other: <div style="border: 1px solid black; width: 200px; height: 60px; display: inline-block;"></div> |  |

Sauk City Utilities and/or its agent will not be held responsible for damage occurring to customer owned underground facilities that are not properly located and marked before the installation of electric service.



**RESIDENTIAL ELECTRIC  
SERVICE APPLICATION AND AGREEMENT  
SAUK CITY UTILITIES**

- 1 The applicant(s) understand(s) and agree(s) that prior to installation of underground electric lines, the Landowner shall have established the final grade of the route and that after installation of the line the grade shall not be increased or decreased more than 6" without the approval of Sauk City Utilities (the Company). If applicant is not the Landowner, the applicant is responsible for obtaining such agreement in writing from the Landowner and providing same to the Company at no expense to the Company.
- 2 Easement: Right of Access
  - a. The applicant(s), if also the Landowner(s), grant(s) to the Company the right to clear for installation and maintenance of its overhead and/or underground electric line and to use any necessary equipment in, on and across the above described lands along highways and along fence lines thereon, and to extend such lines along or near property lines of such premises as may reasonably be necessary to extend service to future applicants for such service, and to permit the attachment of communication lines and equipment owned by others. If applicant is not the Landowner, the applicant is responsible for obtaining such agreement in writing from the Landowner and providing same to the Company at no expense to the Company unless same has previously been provided to the Company.
  - b. The applicant(s), jointly with other applicants on the same extension shall, without cost to the Company, maintain a right-of-way, which the Company has the right to clear, adequate for the extension and along a route approved by the Company.
  - c. If requested by the Company, the applicant(s)/landowner shall grant to the Company an easement in recordable form conveying the rights and privileges in (a) and (b) above. If applicant is not the Landowner, the applicant is responsible for obtaining the easement in writing from the Landowner and to provide the same to the Company at no expense to the Company.
- 3 The applicant(s) individually and jointly agree(s) to indemnify and hold harmless the Company from all claims against the Company because of any injury, disease, or death sustained by reason of any act, omission, or negligence of the applicant, or any agent, employee, or subcontractor thereof.
- 4 This agreement shall become effective when acceptance of the application has been signed on behalf of the Company.
- 5 The Company agrees to return any deposit, with interest, according to the rules and regulations of the applicable State Regulatory Authority, 12 months from the date of this application unless 1) the customer's service has been disconnected within that time or, 2) the Company determines that the information in the initial application was inaccurate or incomplete.
- 6 WISCONSIN ONLY - If the applicant(s) acknowledge(s) the right to make written request to the Company that the County Department of Health and Social Services be notified at least 5 calendar days prior to a scheduled disconnection of service for rule violation or non-payment.
- 7 The customer is responsible for notifying the Company of Contaminated media (soil, groundwater, etc.) that may be present on the premises prior to Company commencing installation or extension of service. The Company reserves the right to consider alternate service routes, if necessary, to avoid contaminated media. The customer may be held liable for additional costs incurred by the Company if contaminated media is encountered during the installation of service.
- 8 If contaminated media is encountered during the installation or extension of service, the Company shall terminate the installation or extension of service and notify the customer. The customer is responsible for reporting the discovery of contamination to the appropriate agencies. The customer, or landowner, is responsible for management of any contaminated media generated during the installation of service.
- 9 The residential service customer charge on file with the State Regulatory Authority may be billed to the applicant beginning on the date the meter is installed.
- 10 The Company agrees to furnish and, the Customer agrees to take and pay for utility service in accordance with provisions and rates approved by the State Regulatory Authority; subject to all applicable rules of the Company on file with the State Regulatory Authority including, but not limited to, terms and conditions on this page hereof; until such time as the Customer discontinues service or elects to make a written application for service under a different schedule. Such election, however, may not be exercised within a one-year period from the date of this application.

**TRENCH MARKING AGREEMENT**

- 11 The Customer agrees that the Company will dig, trench, or bore on the customer's property located at the above address for the installation of utility service. Utility rates are based on rough grade construction meaning the Company will backfill and smooth over any excavations that the Company performs. *Final restoration, grass seeding, watering and mowing are the customer's responsibilities.*

Prior to digging, trenching, or boring, the Company will identify the route of the proposed excavation. The Company will notify other utility owners to facilitate the marking of existing underground utilities, including electric telephone and cable TV.

The Customer agrees to physically mark the location of any and all customer owned obstacles that lie underground within ten feet of proposed excavation. Such obstacles include, but are not limited to, septic and sewer systems, buried wires for out-buildings or decorative lighting, and LP gas lines. The Customer shall mark the location of all of these obstacles with stakes or flags or by painting the ground. The Customer hereby accepts any and all responsibility for damage to, or damage done by striking, any such underground obstacle the Customer fails to mark or marks incorrectly.

APPROVAL AND ACCEPTANCE (I have read and understand the terms and conditions above)		
Owner/Responsible Party Signature	Owner/ Responsible Party Printed Name	Date
APPROVAL BY APPLICABLE SAUK CITY UTILITIES		
Sauk City Utilities Representative Signature	Sauk City Utilities Representative Printed Name	Date

Dept of Safety & Professional Services Industry Services Division Wisconsin Stats. 101.63, 101.73	<h2 style="margin:0;">Wisconsin Uniform Building Permit Application</h2> <p style="font-size: small; margin:0;"><b>Instructions on back of second ply.</b> The information you provide may be used by other government agency programs [(Privacy Law, s. 15.04 (1)(m))]</p>	Application No.  Parcel No.
---	---	-----------------------------------

**PERMIT REQUESTED**     Constr.     HVAC     Electric     Plumbing     Erosion Control     Other:

Owner's Name	Mailing Address	Tel.
Contractor Name & Type	Lic/Cert#	Mailing Address
Dwelling Contractor (Constr.)		
Dwelling Contr. Qualifier	The Dwelling Contr. Qualifier shall be an owner, CEO, COB or employee of the Dwelling Contr.	
HVAC		
Electrical		
Plumbing		

**PROJECT LOCATION**    Lot area    Sq.ft.     One acre or more of soil will be disturbed     Town     Village     City of    \_\_\_\_\_ 1/4, \_\_\_\_\_ 1/4, of Section \_\_\_\_\_, T \_\_\_\_\_ N, R \_\_\_\_\_ E/W

Building Address    County    Subdivision Name    Lot No.    Block No.

Zoning District(s)    Zoning Permit No.    **Setbacks:**    Front    ft.    Rear    ft.    Left    ft.    Right    ft.

<b>1. PROJECT</b>		<b>3. OCCUPANCY</b>		<b>6. ELECTRIC</b>		<b>9. HVAC EQUIP.</b>		<b>12. ENERGY SOURCE</b>																												
<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 <b>7. WALLS</b> <input type="checkbox"/> Wood Frame <input type="checkbox"/> Steel <input type="checkbox"/> ICF <input type="checkbox"/> Timber/Pole <input type="checkbox"/> Other:		<input type="checkbox"/> Furnace <input type="checkbox"/> Radiant Basebd <input type="checkbox"/> Heat Pump <input type="checkbox"/> Boiler <input type="checkbox"/> Central AC <input type="checkbox"/> Fireplace <input type="checkbox"/> Other:		<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Fuel</td> <td style="width:10%;">Nat Gas</td> <td style="width:10%;">LP</td> <td style="width:10%;">Oil</td> <td style="width:10%;">Elec</td> <td style="width:10%;">Solid</td> <td style="width:10%;">Solar Geo</td> </tr> <tr> <td>Space Htg</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Water Htg</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		Fuel	Nat Gas	LP	Oil	Elec	Solid	Solar Geo	Space Htg							Water Htg							<b>13. HEAT LOSS</b> _____ BTU/HR Total Calculated Envelope and Infiltration Losses (available from "Total Building Heating Load" on Rescheck report)					
Fuel	Nat Gas	LP	Oil	Elec	Solid	Solar Geo																														
Space Htg																																				
Water Htg																																				
<b>2. AREA INVOLVED (sq ft)</b>				<b>4. CONST. TYPE</b>		<b>10. SEWER</b>		<b>14. EST. BUILDING COST w/o LAND</b>  \$ _____																												
	Unit 1	Unit 2	Total	<input type="checkbox"/> Site-Built <input type="checkbox"/> Mfd. per WI UDC <input type="checkbox"/> Mfd. per US HUD		<input type="checkbox"/> Municipal <input type="checkbox"/> Sanitary Permit# _____																														
Unfin. Bsmt				<b>5. STORIES</b>		<b>8. USE</b>																														
Living Area				<input type="checkbox"/> 1-Story <input type="checkbox"/> 2-Story <input type="checkbox"/> Other:		<input type="checkbox"/> Seasonal <input type="checkbox"/> Permanent <input type="checkbox"/> Other:																														
Garage				<input type="checkbox"/> Plus Basement		<input type="checkbox"/> Municipal <input type="checkbox"/> On-Site Well																														
Deck/Porch																																				
Totals																																				

I understand that I am subject to all applicable codes, laws, statutes and ordinances, including those described on the reverse side of the last ply of this form; am subject to any conditions of this permit; understand that the issuance of this permit creates no legal liability, express or implied, on the state or municipality; and certify that all the above information is accurate. If one acre or more of soil will be disturbed, I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and the owner shall sign the statement on the back of the permit if not signing below. 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.

I vouch that I am or will be an owner-occupant of this dwelling for which I am applying for an erosion control or construction permit without a Dwelling Contractor Certification and have read the cautionary statement regarding contractor responsibility on the reverse side of the last ply of this form.

**APPLICANT (Print:)** \_\_\_\_\_ **Sign:** \_\_\_\_\_ **DATE** \_\_\_\_\_

**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.     See attached for conditions of approval.

**ISSUING JURISDICTION**     Town of     Village of     City of     County of     State →    State-Contracted Inspection Agency#: \_\_\_\_\_    Municipality Number of Dwelling Location: \_\_\_\_\_

<b>FEES:</b>		<b>PERMIT(S) ISSUED</b>	<b>WIS PERMIT SEAL #</b>	<b>PERMIT ISSUED BY:</b>
Plan Review	\$ _____	<input type="checkbox"/> Construction <input type="checkbox"/> HVAC <input type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input type="checkbox"/> Erosion Control		Name _____
Inspection	\$ _____			Date _____ Tel. _____
Wis. Permit Seal	\$ _____			
Other	\$ _____			
Total	\$ _____			Cert No. _____

(Part of Ply 4 for Applicants)

### **Cautionary Statement to Owners Obtaining Building Permits**

101.65(1r) 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 by 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.

### **Cautionary Statement to Contractors for Projects Involving Building Built Before 1978**

If this project is in a dwelling or child-occupied facility, built before 1978, and disturbs 6 sq. ft. or more of paint per room, 20 sq. ft. or more of exterior paint, or involves windows, then the requirements of ch. DHS 163 requiring Lead-Safe Renovation Training and Certification apply. Call (608)261-6876 or go to the Wisconsin Department of Health Services' lead homepage for details of how to be in compliance

### **Wetlands Notice to Permit Applicants**

You are responsible for complying with state and federal laws concerning the construction near or on wetlands, lakes, and streams. Wetlands that are not associated with open water can be difficult to identify. Failure to comply may result in removal or modification of construction that violates the law or other penalties or costs. For more information, visit the Department of Natural Resources wetlands identification web page or contact a Department of Natural Resources service center.

### **Additional Responsibilities for Owners of Projects Disturbing One or More Acre of Soil**

I understand that this project is subject to ch. NR 151 regarding additional erosion control and stormwater management and will comply with those standards.

Owner's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### **Contractor Credential Requirements**

All contractors shall possess an appropriate contractor credential issued by the Wisconsin Division of Safety and Buildings. Contractors are also required to only subcontract with contractors that hold the appropriate contractor credentials.



## **CONTRACTOR RESPONSIBILITIES**

### **NEW CONSTRUCTION**

- Electric meter must be set 40" to 50" from finished grad to center of the meter.
  
- Duplex electric meter sockets shall have 350MCM lugs.
  
- All electric and water meters for 2 family units and above shall be clearly and accurately labeled for the unit they are metering prior to installation of meter and address numbers must be labeled on the meter sockets.
  
- Affidavit must be complete before electric meter installation.
  
- Temporary fees must be paid in advance.
  
- Temporary electric services must have 2 ground rods.
  
- Winter electric service fee of \$100.00 must be paid when the ground is frozen.
  
- The electrician must install water meter register wire.
  
- All duplex units must have separate curbside water service shut-offs.
  
- Residential shall install 1" copper pipe to the water meter.



# Village of Sauk City

## Water Runoff Document

As property owner, you are required to ensure that water runoff from your lot does not adversely interfere with your neighboring property owners. The Building Permit issued to you by the Village of Sauk City does not relieve you of your responsibility to ensure that your construction project does not create water runoff problems. The property owner is responsible to appropriately landscape and divert any excess water run off on their lot so it does not impact adjoining properties.

Village of Sauk City

Vicki Breunig  
Village Administrator

ZONING

365 Attachment 1

Village of Sauk City

Schedule of Regulations  
 [Amended at time of adoption of Code (see Ch. 1, General Provisions, Art. II)]

District	Use	Lot Requirements		Minimum Yard Dimensions					Maximum Building Height				Maximum Percent Lot Coverage	Site Plan Required
		Minimum Area (square feet)	Minimum Width (feet)	Principal Buildings			Accessory Buildings		Principal Buildings		Accessory Buildings			
				Front (feet)	Each Side (feet)	Rear (feet)	Each Side (feet)	Rear (feet)	Stories	Feet	Stories	Feet		
R-1-A	One-family	9,000	80	25	12(c)	25	8(c)	8(f)	2½	30	1	15	30%	No
R-1-B	One-family	8,000	66(a)	25	Total 18 Minimum 7	25	8(c)	8(f)	2½	30	1	15	30%	No
R-2	One- and two-family	8,000	66(a)	25	12(c)	25	8(c)	8(f)	2½	30	1	15	30%	No
R-M	Multifamily	8,000(d)	66(a)	25	12(c)	25	(c)	(f)	3	40	1	15	30%	Yes
B-C	Central business	3,700	33	—	(e)(h)	30	(e)	15	3	40	1	20	35%	Yes
B-H	Highway business	8,000	132	80	10 minimum 30 total(e)	30	8(e)	15	2½	30	1	20	35%	Yes
B-N	Neighborhood business	See Note (j) for all minimum requirements												
M-L	Limited industrial	15,000	100	25	Equal to height 10 minimum(h)	25	20	3	40	1	20	40	Yes	
M-G	General industrial	87,120 (2 acres)	250	50	25	30	25(i)	20(i)	3	40	1	20	50%	Yes
A-G	Agricultural	174,240 (4 acres)	250	100	30	30	50	50	—	50	2½	35	—	No
F-P	Floodplain	Open space uses and associated structures												
F-W	Floodway	Open space uses only												

NOTES:

- (a) Minimum lot width for corner lots: 70 feet.
- (b) Shopping centers require a minimum area of four acres; minimum frontage of 400 feet; and the following setbacks: 100 feet front, 40 feet side and 40 feet rear.
- (c) Minimum side yard for street side of corner lot: 15 feet.
- (d) Minimum lot area per multifamily dwelling unit: at least 2,000 square feet and not less than 1,500 square feet, plus 500 square feet per bedroom.
- (e) Minimum side yard when abutting residential area must be 15 feet.
- (f) Minimum of 10 feet from an alley.
- (g) Minimum setback from federal, state or county trunk highways shall be 25 feet.
- (h) If a side yard is provided, it shall have a minimum width of 10 feet.
- (i) Minimum side or rear setback when abutting residential area: 50 feet.
- (j) Minimum area, width, setback, side yards, and rear yard shall conform to the requirements of the residential area abutting.
- (k) Minimum setback from county trunk highways and town roads shall be 63 feet from the center line of the roadway or 30 feet from the edge of the right-of-way line, whichever is more restrictive. Minimum setback from federal or state trunk highways shall be 110 feet from the center line of the roadway or 50 feet from the right-of-way line, whichever is more restrictive.
- (l) Minimum side and rear setbacks of principal and accessory structures in the A-P, A-H and A-T Zones shall be the same as the side and rear setback requirement in the rest of the Town of Prairie du Sac, as determined by the Town Board of Supervisors.

## CO DETECTORS REQUIRED STATEWIDE BEGINNING FEBRUARY 1, 2011

MADISON—All one- and two-family dwellings will be required to install carbon monoxide (CO) alarms to comply with changes in Chs. Comm 21 and 28, Wis. Adm. Code. The rule changes are in response to 2009 Act 158, enacted March 10, 2010, and follow a similar requirement for multi-family dwellings.

“According to the American Medical Association, CO poisoning is the leading cause of accidental poisoning in the US,” said Department of Commerce Secretary Paul Jadin. “CO alarms have shown their effectiveness in alerting occupants to the presence of this poisonous gas.”

One-and two-family dwellings for which a building permit is issued on or after February 1, 2011 require carbon monoxide alarms that are interconnected and directly wired to the dwelling’s electrical service, with a backup battery supply. Existing dwellings may use battery-powered, stand-alone alarms. The alarms must be installed in the basement and on each floor level except the attic or garage. The law applies only to dwellings that contain CO sources. CO sources may include, but are not limited to, garages, heaters, fireplaces, furnaces, appliances or cooking sources using coal, wood, petroleum products, or other fuels emitting CO as a by-product of combustion.

The rules are available at

<http://commerce.wi.gov/SB/docs/SB-CodeDev2128HOAdoptDrft1110.pdf>

The requirements for multi-family dwellings are available at

<http://nxt.legis.state.wi.us/nxt/gateway.dll?f=templates&fn=default.htm&d=code&jd=ch.%20comm%2062>