One or Two Family New Home	**$775.00 for building permit**
Required Documents from Applicant:	
❒ *Full plans (2-11”X17” copies)	
❒ *Site plans	
❒ *Building Permit Application	
❒ *Building Permit Lot Line Document	
❒ *Erosion Control Plan Document	
❒ *Energy Worksheet	
❒ *Wall Bracing Compliance Worksheet	
❒ *Residential Electric Service Application and Agreement	
Additional Information Included in this Packet:	
❒ Contractor Responsibilities list	
❒ Water Runoff Document	
❒ Schedule of Regulations, Chapter 365 attachment 1	
❒ Carbon Monoxide Detectors Required	
❒ Approved Architectural Control Committee Review Form (Only for Cardinal Estates and Schoolyard lots)	

Fees required with permit application:

- **$775.00 Building Permit Fee**
- **$650.00 per unit for Sanitary Sewer Connection**
- **$ 50.00 per unit for Water Inspection**

$1,475.00 Total required permit fees (plus any additional below)

Possible additional fees:

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

Electronic Building Permit

Individuals wishing to complete a paper permit process, should do so within the municipality of the intended construction site.

*Only homeowners who will be residing (living) in the dwelling may take out a building permit for new one and two family dwellings.
Contractor must have valid DC (dwelling contractor) and DCQ (dwelling contractor qualifier) licenses.
Per SPS 320.09(9)(a)2.

Wisconsin uniform building permits can only be issued if:

- All of the requirements for filing are done
- The plans have been conditionally approved
- Fees are paid

Per SPS 320.09(9)(a)1.

Rev 9/2017

dsps.wi.gov/pages/programs/udc/default.aspx

State of Wisconsin
Department of Safety and Professional Services

One- & Two-Family (Uniform Dwelling Code)

The Uniform Dwelling Code (UDC) is the statewide building code for one- and two-family dwellings built since June 1, 1980. The Industry Services Division provides consultation and education concerning UDC construction standards and inspection procedures. Building materials are evaluated for conformance with standards. UDC inspection and contractor credentials are administered. The UDC is enforced in all Wisconsin municipalities.

Questions regarding the Uniform Dwelling Code can be sent to DSPSSBUDCtech@wi.gov.

Camping Units

Announcements

Emergency Rule 1634 (ER1634) was recently enacted, introducing language to Chapter SPS 320.09(2) of the UDC pertaining to the department's online submittal process as required by 2015 Act 211. The emergency rule has an effective start date of December 6, 2016, and an expiration date of May 4, 2017.

Please access the Electronic Building Permit System to pull permits or file a building permit. More information can be found by clicking on the "Act 211 Electronic Building Permit System" drop-down accordion below.

Act 211 Electronic Building Permit System +

Soil Erosion Control Plan Audit Changes

Deck Column Footing Size Worksheet

Heat Loss Calculator with Instructions

Highlights of the 2016 Uniform Dwelling Code Changes

Additional Code Updates (June 2016)

2017 Winter Updates Training Presentations

2017 Winter Updates

2017 Intro - UDC Administrative

Chapter 327 Camping Units

Deck 2017 Presentation

Energy Conservation 322 Plan Review and Inspection

HVAC 323 Plan Review and Inspection

Wall Bracing Permanent Rules +

Forms +

FAQs +

Publications +

REScheck +

Additional Resources

Administrative Rules & Statutes

Code Archives

Alphabetical Listing of Manufacturers of Approved Building Materials

Inspection District Map

Trades Program Information

Related Links

DNR Locating Wetlands

DNR Asbestos Removal and Notification

U.S. Department of Energy Training Catalog

DHS Lead Safe Wisconsin

Dept of Safety & Professional Services Industry Services Division 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	☐ Constr. ☐ HVAC ☐ Electric ☐ Plumbing ☐ Erosion Control ☐ Other:		
Owner's Name	Mailing Address	Email:	Tel.

Contractor Name & Type	**Lic/Cert# Exp Date**	**Mailing Address**	**Tel. & Email**
Dwelling Contractor (Constr.)			
Dwelling Contr. Qualifier (The Dwelling Contr. Qualifier shall be an owner, CEO, COB or employee of the Dwelling Contr.)			
HVAC			
Electrical Contractor			
Electrical Master Electrician			
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.

1. PROJECT ☐ New ☐ Alteration ☐ Addition ☐ Repair ☐ Raze ☐ Move ☐ Other

2. AREA INVOLVED (sq ft)	Unit 1	Unit 2	Total
Unfin. Bsmt.			
Living Area			
Garage			
Deck/Porch			
Totals			

3. OCCUPANCY ☐ Single Family ☐ Two Family ☐ Garage ☐ Other **4. USE** ☐ Seasonal ☐ Permanent ☐ Other:

5. CONSTRUCTION TYPE ☐ Site Built ☐ Mfd. Per WI UDC ☐ Mfd. Per US HUD

6. STORIES ☐ 1-Story ☐ 2-Story ☐ Other: ☐ Plus Basement **7. EST. BUILDING COST w/o LAND** $

8. WALLS ☐ Wood Frame ☐ Steel ☐ ICF ☐ Timber/Pole ☐ Other **9. ELECTRIC** Panel Amps: _____ ☐ Underground ☐ Overhead

10. SEWER ☐ Municipal ☐ Sanitary Permit # **11. WATER** ☐ Municipal ☐ On-Site Well

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 ☐ County of ☒ Village of ☐ State ☐ City of SAUK CITY	State-Contracted Inspection Agency#:	Municipality Number of Dwelling Location 56-181

FEES:		**PERMIT(S) ISSUED**	**WIS PERMIT SEAL #**	**PERMIT ISSUED BY:**
Plan Review	$	☐ Construction		Name _____
Inspection	$	☐ HVAC	_____	Date _____ Tel. _____
Wis. Permit Seal	$	☐ Electrical		Cert No. _____
Other	$	☐ Plumbing		Email: _____
Total	$	☐ Erosion Control		

SBD-5823(R4/17) Distribute: ☐ Ply 1 – Issuing Jurisdiction; ☐ Ply 2- Issuer forwards to state w/in 30 days; ☐ Ply 3- Inspector; ☐ Ply 4- Applicant

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 jurisdiction, which is usually your municipality or county. Permit application data is used for statewide statistical gathering on new one- and two-family dwellings, as well as for local code administration. **Please type or use ink and press firmly with multi-ply form.**

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.
- If the project will disturb one acre or more of soil, the project is subject to the additional erosion control and stormwater provisions of ch. NR 151 of the WI Administrative Code. Checking this box will satisfy the related notification requirements of ch. NR 216.
- Fill in Contractor and Contractor Qualifier 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 certificate number, and name and certificate number of the dwelling contractor qualifier employed by the contactor, 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.

PROJECT LOCATION

- Fill in Building Address (number and street or sufficient information so that the building inspector can locate the site.
- 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.

1. PROJECT DATA - Fill in all numbered project data blocks (1-11) 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 separate and 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.

4. USE - Seasonal, permanent or other.

7. ESTIMATED BLDG COST - Include the total cost of construction, including materials and market rate labor, but not the cost of land or landscaping.

10. SEWER - A building permit cannot be issued until a sanitary permit has been issued for any new or affected existing private onsite wastewater treatment system.

SIGNATURE – The owner or the contractor’s authorized agent shall sign and date this application form. If you do not possess the Dwelling Contractor certification, then you will need to check the owner-occupancy statement for any erosion control or construction permits.

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 Jurisdiction Status, such as town, village, city, county or state and fill in Municipality Name
- Fill in State Inspection Agency number only if working under state inspection jurisdiction.
- Fill in Municipality Number of Dwelling Location
- 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.

Cautionary Statement to Owners Obtaining Building Permits

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 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 Industry Services.

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

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:

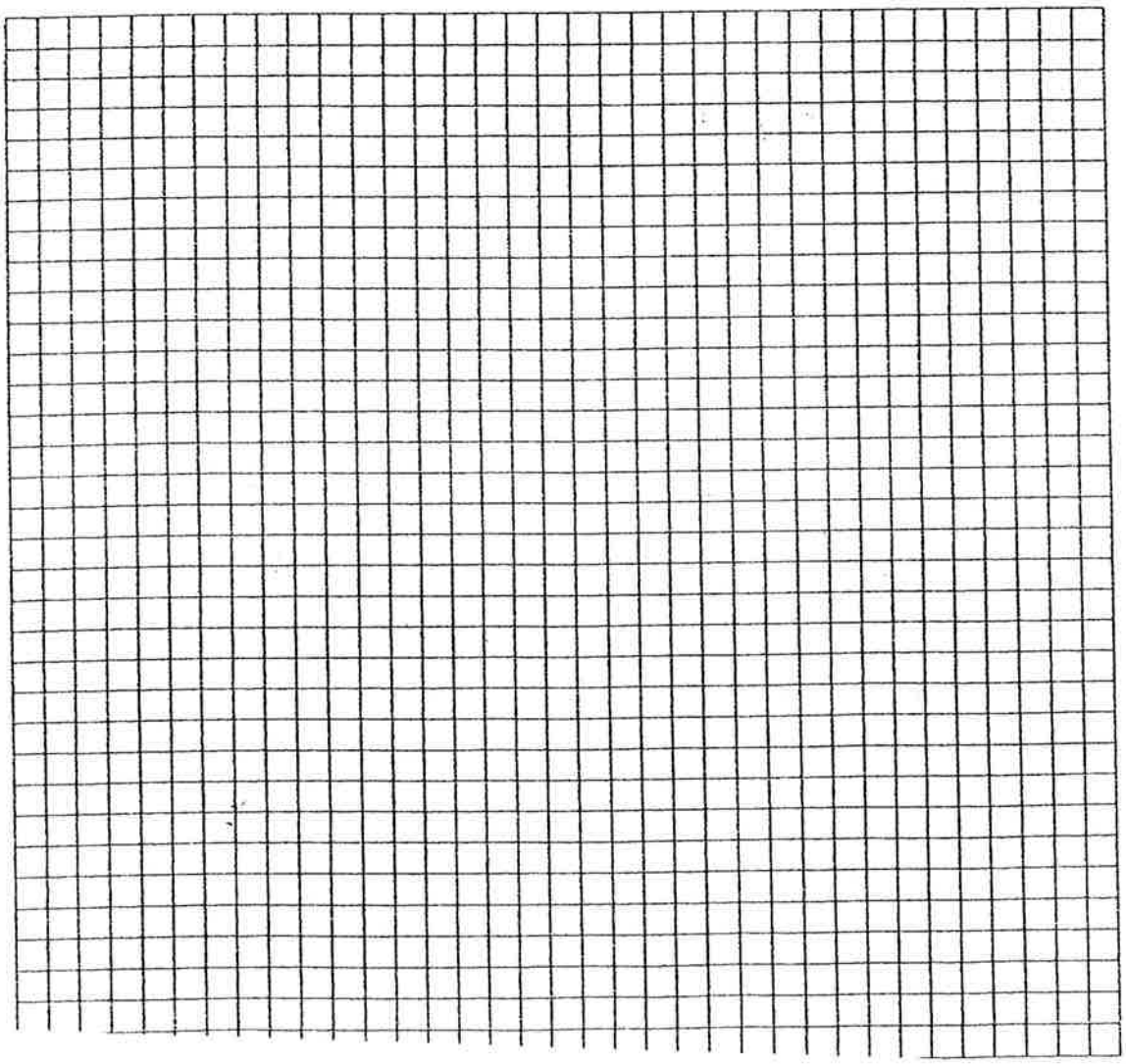
1. Complete this plan by filling in requested information, completing the site diagram and marking appropriate boxes on the inside of this form.
2. In completing the site diagram, give consideration to potential erosion that may occur before, during, and after grading. Water runoff patterns can change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

PROJECT LOCATION _____

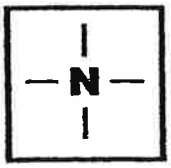
BUILDER _____ OWNER _____

WORKSHEET COMPLETED BY _____ DATE _____

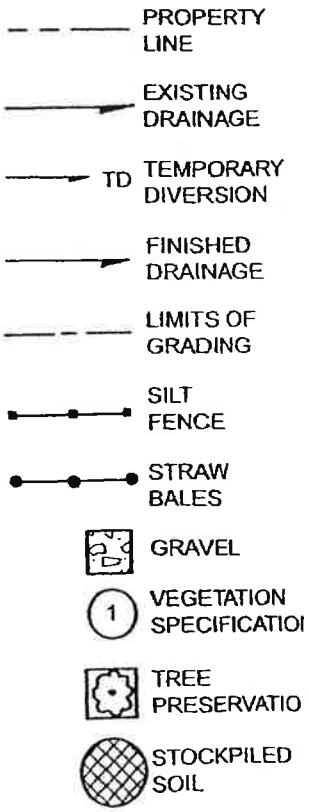
SITE DIAGRAM Scale: 1 inch = ____feet



Please indicate north by completing the arrow.



EROSION CONTROL PLAN LEGEND



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 MEC*check* (formerly WIS*check*), 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 boxsills.

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 Uoverall = 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.)".

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

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 =

_____ ÷ _____ = _____
(Total UA) (Total Area) (Weighted Average U-Value (for windows or doors))

_____ ÷ _____ = _____
(Total Area) (Total UA) (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 =

_____ ÷ _____ = _____
(Total UA) (Total Area) (Weighted Average U-Value (for windows or doors))

_____ ÷ _____ = _____
(Total Area) (Total UA) (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
		☐ NON-ELEC	☐ 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] ☐ Unheated ☐ 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	☐ 2X4, 16" O.C., R-13 batt, R-1 board: U - .079	☐ 2X4, 16" O.C., R-13 batt, R-5 board: U - .061
	☐ 2X6, 16" O.C., R-19 batt, R-1 board: U - .059	☐ 2X6, 16" O.C., R-19 batt, R-5 board: U - .049
☐ Other - describe:		U - from Default Table
Roof or Ceiling	☐ 2X4 truss, 24" O.C., with R-38 insulation: U - .030	☐ 2X4 truss, 24" O.C., with R-52 insulation: U - .025
	☐ 2X12 cathedral ceiling, 16" O.C., with R-38 insulation U - .027	
☐ Other - describe:		U - from Default Table
Floor Over Outside Air or Unconditioned Space	☐ 2X10 joists, 16" O.C., R-19 batt: U - .047	
☐ 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	Shea-thing	Framing Or Solid	Insulation Within Cavity	Inter-ior Finish	Int. Air Film*	Total R-Value	U-Value (1/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	
Foundation Wall	**Basement**	**Crawl Space**
☐ Masonry or concrete wall without insulation	0.360	0.477
☐ Masonry or concrete wall with R-5 insulation board for full height	0.115	0.136
☐ Masonry or concrete wall with R-10 insulation board or R-11 insulation batt and 2X4's for full height	0.072	0.081
☐ Permanent wood foundation with R-19 batt for full height	0.054	0.059
☐ Basement or crawl space floor without insulation	0.025	0.025
Slab-On-Grade (or within 12" of grade)	**F-Value**	
☐ Slab-on-grade without insulation	1.04	
☐ Slab-on-grade with R-5 insulation for 48" total horizontal and vertical application	0.74	
☐ 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				
	Solid	(A.8.)			
Floor Over Unconditioned Spaces	Cavity				
	Solid	(A.9.)			
Roof or Ceiling	Cavity				
	Solid	(A.10.)			
Floor Over Outside Air	Cavity				
	Solid	(A.11.)			
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: _____ **U overall** from selected Prescriptive Package of Section B × _____ 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

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 321.25-1 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 ½ 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 Utilties Representative | Work Phone No. ( ) | Map Location

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 ☐ Single Family ☐ Multi-Unit (Number of Units)

BILLING INFORMATION

Who should be billed for electric installation? ☐ Builder ☐ Building Owner

Who should be billed for electric usage during construction? ☐ 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): / /

Service Amps ☐ 100 ☐ 200 ☐ 300 ☐ Other _____

Service Type ☐ Overhead ☐ Underground

Voltage ☐ 120/240 ☐ Other _____

Electric Equipment

☐ Electric Heat _____ Watts ☐ Water Heater _____ Quantity ☐ Central A/C _____ Tons ☐ Ground Source Heat Pump

_____ Locked Rotor Amps (LRA) ☐ 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.

☐ 1) Application filled out completely and signed.

☐ 2) Sketch of customer owned included with application.

☐ 3) Payment of construction charges, if applicable.

☐ 4) Electric route within 6 inches of final grade and clear of all obstructions (lumber, machinery, etc.)

☐ 5) Recorded copy of certified survey map or platted lot and lot corners staked.

☐ 6) Appropriate inspection form or statement turned into Sauk City Utilities for electric utiilities.

☐ 7) Expose or locate (with staking, flagging and/or other durable marking) the physical locaton of any customer owned underground facilities, i.e. wells, septic, undergournd tanks/fuel lines, drain tiles/downspouts, customer owned wires, sprinkler systems, and yard lighting.

8) Other:

NOTE: 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) undertand(s) and agree(s) that prior to installation of undergorund 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 damge done by striking, any such undergorund 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

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 Notice

As a property owner, you are required to ensure that the 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 runoff on their lot so it does not impact adjoining properties.

Thank you,
Village of Sauk City

Attachment 365a - Zoning Ordinance Schedule of Regulations

Village of Sauk City

Amended February 11, 2020

District		Lot Requirements		Minimum Yard Dimensions (k)						Maximum Building Size					Maximum Percent Lot Coverage (all buildings)	Site Plan Required
				Principal Buildings			Accessory Buildings			Principal Buildings		Accessory Buildings				
	Use	Minimum Area (square feet)	Minimum Width (feet)	Front (feet)	Each Side (feet)	Rear (feet)	Front (feet)	Each Side (feet)	Rear (feet)	Stories	Height (Feet) (n)	Stories	Height (Feet) (m, n)	Area (square feet)		
R-R	One-family	21,780	80	30	12 (c)	30	30	8 (c)	8	2½	30	1.5	15	900 (o)	30%	No
R-1-A	One-family	9,000	80	25	12(c)	25	25 (q)	8(c)	8(f)	2½	30	1.5	15	900 (o)	30%	No
R-1-B	One-family	8,000	66(a)	25	Total 18 Minimum 7	25	25 (q)	8(c)	8(f)	2½	30	1.5	15	900 (o)	30%	No
R-2	One- and two-family	8,000	66(a)	25	12(c)	25	25 (q)	8(c)	8(f)	2½	30	1.5	15	900(o)	30%	No
R-M	Multifamily	8,000(d)	66(a)	25	12(c)	25	25 (q)	(c)	(f)	3	40	1.5	15	No limit	30%	Yes
B-C	Central business	3,700	33	—	(e)(h)	30	—	(e)	15	3	45	1.5	20	No limit	35%	Yes
B-H	Highway business	8,000	132	25	10 minimum 30 total(e)	30	25	8(e)	15	4	50	1.5	20	No limit	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	25	15(i)	20	3	45	1	20	No limit	40%	Yes
M-G	General industrial	87,120 (2 acres)	250	50	25	30	50	25(i)	20(i)	3	45	1	20	No limit	50%	Yes
A-G	Agricultural	174,240 (4 acres)	250	50	30	30	50	50	50	—	50	2½	35	No limit	—	No
A-P	Agricultural Preservation	35 acres (r)	300	50	25	30	50	20	25	—	50	2½	40 (p)	No limit	—	No
A-H	Agricultural Holding	87,120 (2 acres)	250	50	25	30	50	20	25	—	50	2½	40 (p)	1500	—	No
A-T	Agricultural Transition	32,670	80	30	12	30	30	8	8	—	50	2½	40 (p)	1500	—	No
A-R	Agriculture-Related Manufacturing and Commercial	87,120 (2 acres)	250	30	25	30	30	25(i)	20(i)	—	50	2½	40 (p)	1500	—	No
F-P	Floodplain	Open space uses and associated structures														
F-W	Floodway	Open space uses only														

ADDITIONAL REGULATIONS:

(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 most restrictive 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.

(m) Maximum accessory building heights listed here require a permanent foundation, otherwise the maximum height is eight feet, six inches.

(n) Building height is measured as the vertical distance from the mean elevation of the finished grade along the primary street frontage of the building to the highest point on a flat roof, or to the deckline of a mansard roof, or to the mean height between eaves and ridge for gable, hip, or gambrel roofs. Accessory building height will be measured in the same manner, using the elevation facing the nearest parcel boundary.

(o) Maximum *cumulative* area of *all* accessory buildings is 900 feet.

(p) For Accessory Farm or Forestry Structures, height shall instead not exceed twice the distance to the nearest property line and there is no maximum number of floors

(q) Except by site plan approval under this Chapter, no part of any accessory building may be located in the front yard between the front lot line and the dwelling.

(r) Farm residences existing as of August 18, 2011 and related farm structures remaining after farm consolidation may be separated from the farm without rezoning; provided, however, that the lot created must be at least 20,000 square feet in area and comply with the minimum yard, maximum building height and maximum percent lot coverage requirements of the R-1-A District. Land division approval by the Village of Sauk City and Town of Prairie du Sac Extraterritorial Zoning Committee is required prior to creating such a lot.

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