

# **Building Guide**

**City of Underwood, Iowa** Building and Safety Department

# Single Family Residential Addition

How to Use this Guide:

Provide two (2) sets of plans and complete the following: Minimum 11"x17"

1) Complete this Building Guide by filling out the blanks on page two (2) and indicating which construction details will be used, and the R value of insulation used.

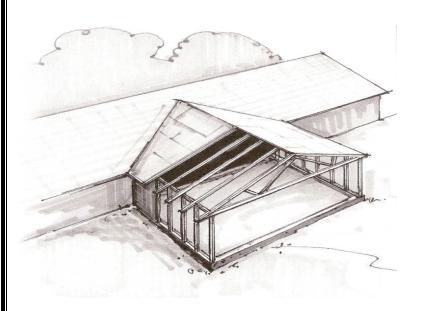
2) Provide 2 Plot Plans showing dimensions of you your project or addition and its relationship to existing buildings or structures on the property. Show all easements and the distance to existing property lines, drawn to scale.

3) Provide 2 Floor plans.

Drawn to scale. See example on page 4.

4) Fill out a Building Permit Application.

The majority of permit applications are processed with little delay. The submitted documents will help determine if the project is in compliance with building safety codes, zoning ordinances and other applicable laws.

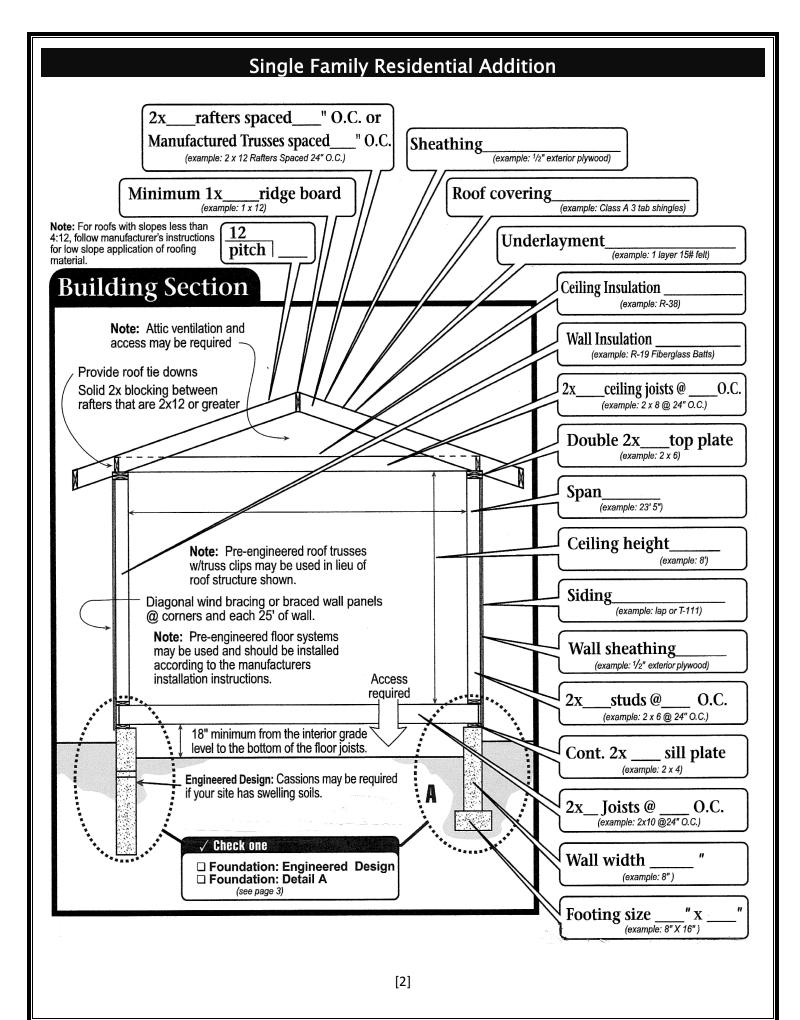


This handout was developed by the City of Underwood, Building & Safety Department as a basic Plan Submittal under the 2009 IRC. To help in questions that may arise in the application process. It is not intended to cover all circumstances or Code related issues as they pertain to individual projects.

#### IMPORTANT CODE NOTE:

Smoke Alarms: Smoke alarms are required in all basements. If the finished basement contains a sleeping room, a smoke alarm must be installed on the ceiling or wall in the sleeping room and in the hallway or area immediately outside of the sleeping room. Smoke alarms added to satisfy the above requirements must be hard wired with the battery backup, and interconnected with existing smoke alarms. Smoke alarms are required to be hardwired and interconnected in new and existing bedrooms, halls and on each level unless removal of interior wall or ceiling finished would be required. In this case, battery operated devices are acceptable.





## Single Family Residential Addition

## NOTES

#### Site Plan \_

**1) When drawing your plot plan** be sure to show the location of electric, gas, sewer and water service lines. If you don't know where they are, call IOWA ONE CALL 1-800-292-8989. They will come out and locate lines for you. Remember to ask them the cost.

**2) Show where the existing** electric and gas meters are located on your home. These meters may have to be relocated and it is best to know this before you start construction.

#### Floor Plan \_\_\_\_\_

**1) Smoke Alarms.** Smoke alarms are required to be hardwired and interconnected in new and existing bedrooms, halls and one on each level unless removal of interior wall or ceiling finishes would be required. In this case, battery operated devices are acceptable.

**2) Additions not to enclose** bedroom or basement egress windows.

**3)** Safety glass is required at specific locations. When you draw in the location of the new windows on the floor plan, the plan reviewer can identify which ones require safety glass.

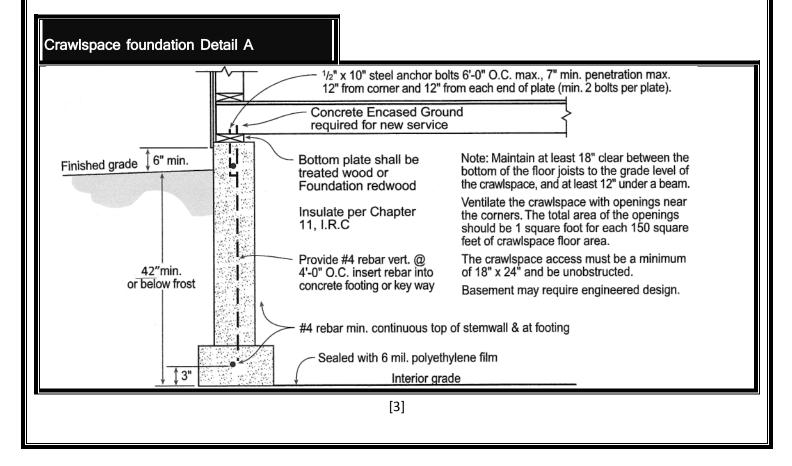
**4) Heat is required** in all habitable rooms. Show how the addition will be heated on the plan.

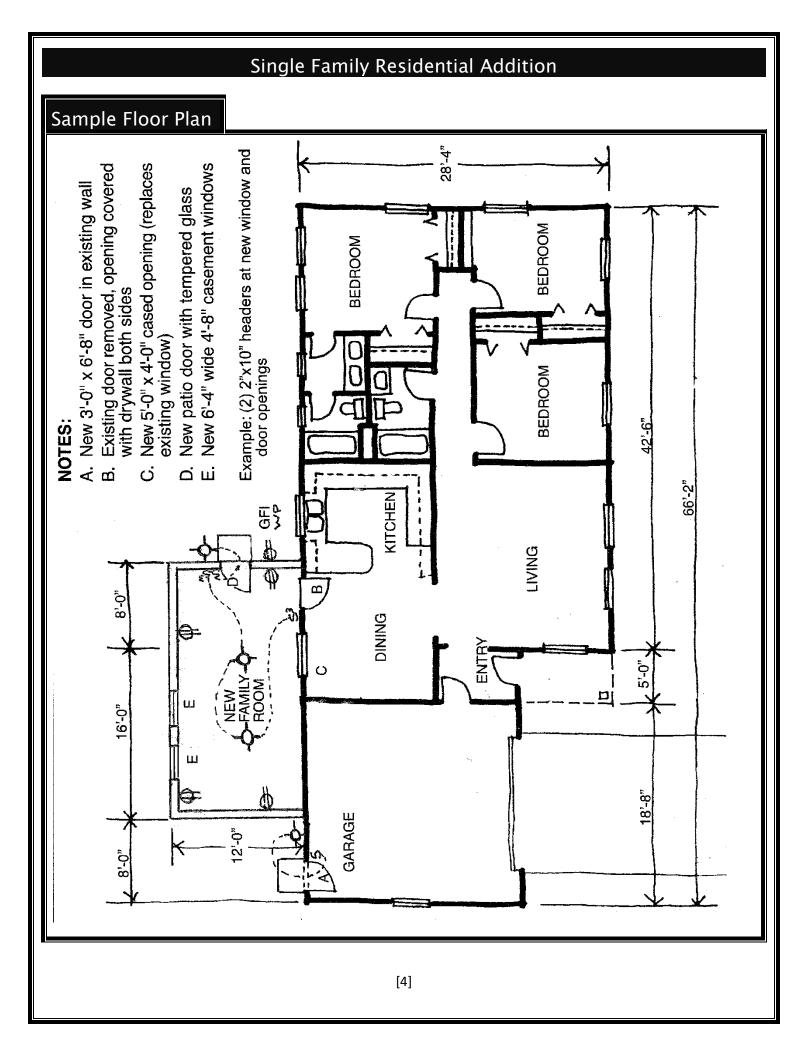
#### Electrical Code

**Existing electric service** may require an upgrade or relocation. Indicate the size of your electric service (the number on the main breaker) on your plan. This can help the plan reviewer determine if an upgrade is needed before you start construction.

#### Roof Overframe

When constructing a new valley, use a continuous board under the bottom cut of the new rafters to provide a solid nailing surface. The board should be at least 2" thick, nominal and should be at least as wide as the base of the new rafter.





#### SINGLE FAMILY & TWO-FAMILY DWELLINGS

#### Dwelling Building Valuation Schedule

(Sta	andard 1 & 2 Family Dwelling Const	ruction Valuation Multipliers)							
Building Valuation of	Per Square Feet								
Living/Habitable Dwelling Area (include all	\$ 71.50 per Sq. Ft.								
Basement - Finished Living/Habitable Dwe	\$ 36.50 per Sq. Ft.								
Basement – Unfinished (Non-Habitable Are	\$ 18.25 per Sq. Ft.								
Garage – Attached or Detached	·		\$ 28.00 per Sq. Ft.						
Storage Shed/Building			\$ 28.00 per Sq. Ft.						
Carport – Attached or Detached			\$ 12.50 per Sq. Ft.						
Porch – Enclosed Living/Habitable Area (Su	\$ 29.50 per Sq. Ft.								
Porch – with Covered Roof	\$ 14.75 per Sq. Ft.								
Deck – Elevated Wood Deck not covered			\$ 8.25 per Sq. Ft.						
Type of Building Area	Square Footage	Multiplier	Valuation						
		X	\$						
		X	\$						
		X	\$						
		X	\$						
		x	\$						
Total Square Footag	2	Permit V	aluation \$						
the time of your application submittal. The	Building Permit fees will be verified dur BUILDING PERMIT FEE		he time of permit issuance. Building Permit \$ Plan Review Fee \$ Total Permit Fee \$						
	(Title 1.50.105)								
TOTAL VALUATION	FEE								
\$1 to \$500	\$ 23.50								
\$501 to	\$ 23.50 for the first \$ 500.00 pl	us \$ 3.05 for each additional							
\$2,000	\$ 100.00, or fraction thereof, to and including \$ 2,000.00								
\$2,001 to	\$ 69.25 for the first \$ 2,000.00 plus \$ 14.00 for each additional								
\$25,000	\$ 1,000.00, or fraction thereof,	\$ 1,000.00, or fraction thereof, to and including \$ 25,000.00							
\$25,001 to	\$ 391.75 for the first \$ 25,000.0	\$ 391.75 for the first \$ 25,000.00 plus \$ 10.10 for each additional							
\$50,000	\$ 1,000.00, or fraction thereof,	\$ 1,000.00, or fraction thereof, to and including \$ 50,000.00							
\$50,001 to	\$ 643.75 for the first \$ 50,000.0	\$ 643.75 for the first \$ 50,000.00 plus \$ 7.00 for each additional							
\$100,000		\$ 1,000.00, or fraction thereof, to and including \$ 100,000.00							
\$100,001 to		\$ 993.75 for the first \$ 100,000.00 plus \$ 5.60 for each additional							
\$500,000	\$ 1,000.00, or fraction thereof,	\$ 1,000.00, or fraction thereof, to and including \$ 500,000.00							
\$500,001 to		\$ 3,233.75 for the first \$ 500,000.00 plus \$ 4.75 for each additional \$ 1,000.00, or fraction thereof, to							
\$1,000,000	and including \$ 1,000,000.00	•							
\$1,000,001 and up	\$ 5,608.75 for the first \$ 1,000,	000.00 plus \$ 3.15 for each add	ditional \$ 1,000.00, or fraction thereof						
Example Type of Building Area Habitable Addition Un-finished Basement 1 Car Garage Covered Patio & Desk (10' X 10') Total Square Footage Proposed Total Valuation of \$ 95,475.00	Square Footage <u>1,000</u> <u>175</u> <u>100</u> e <u>2275</u>	Multiplier     X   \$ 71.50     X   \$ 18.25     X   \$ 28.00     X   \$ 8.25	Valuation     \$ 71,500.00     \$ 18,250.00     \$ 4,900.00     \$ 825.00     \$ 95,475.00						
For the first \$ 50,000 = \$643.75, plus \$ 7.00 for eac	h additional 1.000 of fraction thereof	Building Permit	Fee \$ 962.25						
[(\$ 95,475 - \$50,000 = \$ <u>45,475</u> X \$7.00) = \$318.50		Plan Review Fee	e \$ <u>240.50</u> [25%(\$962.25x.25)]						
1,000		TOTAL PERMIT	FEE \$ <u>1,202.75</u>						
[5]									

Safety Dopper		ONE & TWO FAMILY DWELLING BUILDING PERMIT APPLICATION				BUILDING & SAFETY DEPARTMENT INSPECTION LINE 712-256-6493 City Hall 712-566-2373 Fax 712-566-2083 P.O. Box 40/218 Second Street Underwood, IA 51576				
				Rece	eipt Number	Total	Permit Amount	Permit Number		
JOB SITE ADDRESS	JOB SITE ADDRESS					PARCEL NUMBER				
PROPERTY OWNER						PHONE NUMBER				
PROPERTY OWNERS ADDRESS										
CONTRACTOR						PHONE NUMBER				
CONTRACTOR MAILING ADDRESS										
Building Type/Use: Single Family Two-Family (Duplex) Other   Class of Work: New Structure Addition										
CONSTRUCTION INFORMATION										
			PROPOSE Flood Zou	PROPOSED BUILDING AREA (SQUARE FOOTAGE)						
FLOOD PLAIN DATARate Map# 19155C0			Flood Zone .2% AH			Floodplain	<pre>? Floodway?</pre>			
	PERMIT									
For One & Two Family dwellings (Residential): After calculating the square footage with the valuation multiplier and determining your total permitted valuation. Use the Building Permit Fee Schedule and determine your Building Permit Fee. This permit fee will be verified during plan review and collected at the time of permit issuance.(See Next Page )				Building Per Fee	Building Permit Fee \$		\$			
Figuring the Plan Review Fee at 25% of the calculated Building Permit Fee cost. The Plan Review Fee will be a required deposit at the time of your permit (submi					Plan Review (submitta deposit)	I \$				
					Total Amount		\$			
I will save, indemnify, and keep harmless the City of Underwood, Iowa its officers, employees, and agents against all liabilities, judgments cost, and expenses which may accrue against them in consequence of the granting of this permit, inspections, or use of any on –site or off -site improvements placed by virtue hereof, and will in all things strictly comply with all applicable rules, ordinance, and laws. Signature constitutes an attestation by the applicant that application complies with all covenants, conditions, and restrictions.										
APPLICANTS SIGNATURE		lequad By			DATE		Date			
		Issued By _	[6]				Jaie			