

RESIDENTIAL BUILDING PERMIT APPLICATION PACKET

Please read the attached material.

The following documents from this packet must be completed and returned for a residential building permit application to be accepted:

- Application for Plan Examination and Building Permit
- Page 4 from the Single Family Residential Building Permit Policy for New Construction, Additions, and Remodels
- Site, Drainage, & Erosion Control Plan
- Full site plan of entire property
- Specification Sheet
- Cross Connection Survey
- Truss Drawing Package
- Completed Energy Conservation Code Specification Sheet (and associated reports based on selected method)
- Manual J, S, and D (if applicable)
- Four (4) Sets of Plans (1/4" scale)



PLAN REVIEW COMMENT FORM

City Issued Project #:

Please complete all required fields to help us respond to your Permit Application efficiently.

PROJECT NAME:		
PROJECT ADDRESS:		
PARCEL ID:		
DATE OF SUBMITTAL:		
REVIEW TYPE:	<input type="checkbox"/> Initial Review <input type="checkbox"/> Re-submittal Review (Version: _____) <input type="checkbox"/> Final Review <input type="checkbox"/> Other: _____	
DESCRIPTION OF PROJECT – Please briefly describe the scope of the project:		

Type of Plan Being Submitted (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Site Development Plan | <input type="checkbox"/> Subdivision Plan |
| <input type="checkbox"/> Building Permit Plan | <input type="checkbox"/> Stormwater / Drainage Plan |
| <input type="checkbox"/> Zoning Review | <input type="checkbox"/> Fire Department Review |
| <input type="checkbox"/> Other (please specify): _____ | |

OWNER INFORMATION

NAME		
ADDRESS		
CITY, STATE, ZIP		
EMAIL ADDRESS		<input type="checkbox"/> Preferred Method of Contact
PHONE NUMBER		<input type="checkbox"/> Preferred Method of Contact

GENERAL CONTRACTOR / PROJECT MANAGER (IF APPLICABLE)

NAME		
ADDRESS		
CITY, STATE, ZIP		
EMAIL ADDRESS		<input type="checkbox"/> Preferred Method of Contact
PHONE NUMBER		<input type="checkbox"/> Preferred Method of Contact



PLAN REVIEW COMMENT FORM

City Issued Project #:

Plan Review Comments for Review and Resubmittal should be sent to:

NAME	COMPANY	EMAIL ADDRESS

QUESTIONS OR ADDITIONAL COMMENTS:

--

Applicant Acknowledgment

I, the undersigned, acknowledge that Plan Review comments may require revisions to be addressed in subsequent submittals or prior to permit issuance/construction.

Owner/Applicant Signature	
General Contractor Signature	

NO WORK NOTICE

With the exception of Erosion Control and marking of property lines, building stakes, easements and utilities

ABSOLUTELY

No work may begin until a Permit is issued and has been paid.

No removal of vegetation.

No grading work.

No stock piling or bringing in dirt.

No digging or excavation for post holes, footing, or foundations.

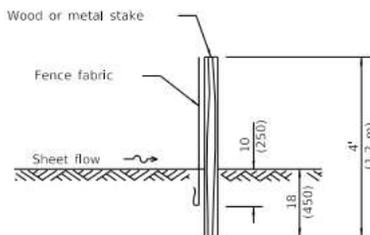
Pre Permit Site Inspection & Required Erosion Control

Following permit application submittal, the applicant must meet on site with the Building Inspector to go over Pre-Permit Erosion Control installation requirements, discuss easements, storm water drainage, site grading, rock driveways, retaining walls, and other site issues.

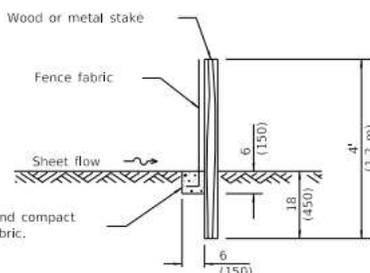
Pre-Permit Erosion Control must be installed and approved before the Permit will be issued. All remaining required Erosion Control and rock driveway must be installed immediately after the foundation is completed and as directed otherwise.

All Erosion Control must be maintained at all times until sod is installed and/or vegetation has grown back (not just seed and straw placed). Violations will result in immediate Stop Work Order and possible citation.

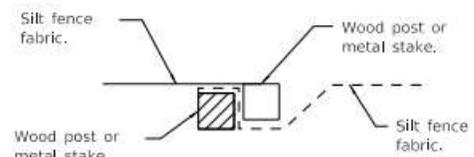
Proper Silt Fence Installation



SLICE METHOD

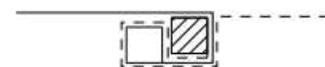


TRENCH METHOD



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 1



Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

STEP 2

ATTACHING TWO SILT FILTER FENCES

(Not applicable for J-hooks)

SINGLE FAMILY RESIDENTIAL BUILDING PERMIT POLICY FOR NEW CONSTRUCTION, ADDITIONS, and REMODELS

Business Hours:

Our workday is 8:00 a.m. – 4:30 p.m. Monday through Friday, except City Holidays.

Permit Application, Fees and Plans:

Please include four (4) sets of plans (*1/4 "per foot scale" minimum*) with the building permit application submitted for approval. Two approved set of plans will be returned to you. One copy is for your file and the other must be maintained at the jobsite.

Inspections will not be made unless approved plans are available at the job site. Please note that all work will be held to the approved plans. If work does not coincide with the approved plans it could lead to a failed inspection.

Plan Review:

We endeavor to complete your plan review as quickly as possible. Typical review time for a single family residential permit is 7 to 14 working days. Plans are reviewed for compliance with the following codes:

- International Residential Code – 2021 Edition**
- International Fire Code – 2021 Edition**
- NFPA 101 Life Safety Code**
- Illinois State Plumbing Code (NOTE: Plumber must be Illinois State Licensed)**
- National Electrical Code – 2020 Edition**
- International Mechanical Code – 2021**
- International Property Maintenance Code – 2021 Edition**
- Illinois Energy Code / International Energy Conservation Code**
- Americans with Disabilities Act**
- Illinois Accessibility Code**
- City Land Development Code & Zoning Ordinance**

If during plan review, additional information is requested or the required information is incomplete, the review time is suspended until the requested information is submitted and logged in at the Department of Public Works.

Building Permit Required:

Please remember, no construction work may begin, including excavation, footing, or foundation, until a building permit is issued. Construction without a building permit is a violation and subject to a fine of not more than \$750.00 for each day the violation occurs.

An issued building permit becomes invalid if the work is not commenced within 90 days after issuance of the permit or if the work is abandoned for 180 days after the time of commencing work. Building permits expire one year from the date of issuance.

The building permit card *MUST* be posted, protected from the weather and visible from the street before an inspection will be made. Failure to post the permit card will result in a failed inspection, and a \$25.00 re-inspection fee will be assessed.

Site & Drainage and Erosion Control:

See enclosed requirements sheet.

Erosion Control Barrier:

City ordinances requires soil erosion control around the entire building site where water leaves the property. It is the responsibility of the owner/contractor to install and maintain the erosion control at all times until new vegetation has been re-established.

Rocked Driveways:

Each building construction site shall have its driveway (as delineated on the building permit site plan) rocked to a minimum depth of six inches. All deliveries of building materials of all kinds shall be made using this rock driveway, without exception. All mud, dirt, rock and other debris on the streets must be cleaned up by the end of each workday.

Dumpster and Sanitary Facilities Required:

Each building construction site shall have an on-site dumpster to contain all construction debris generated by the construction activity on said site, and all debris from each building site shall be placed in the dumpster by the end of each workday. Each building site shall provide a toilet and hand-washing facility to use by the construction workers. Failure to maintain these items throughout the construction project may subject the permit holder to failing a building or site work inspection. Burning or burying trash on the site is strictly prohibited.

Inspection Scheduling:

With the exception of plumbing inspections, same day inspections, subject to availability, may be requested by calling us at 618-692-7535 before 9:30 a.m. Monday through Friday. *Plumbing Inspections* may be arranged by calling the above number before 2:00 p.m. Monday through Friday. Plumbing inspections are currently performed in the evenings. (NOTE: An Illinois licensed plumber is required for plumbing work if plumbing is not done by the **owner who will reside in the home for at least 6 months after completion of work.** (Ref. - 225 ILCS 320/3(2))

Inspection Fees:

The building permit fee includes an initial inspection and one re-inspection of all required inspections during the construction phase. Additional re-inspections beyond the first may be charged to the permittee at the rate of \$25.00 per inspection. A paid receipt

must be presented at the Dept. of Public Works before further re-inspections or additional inspections will be scheduled or performed.

Occupancy Permit Required:

A Certificate of Occupancy indicating completion of work shall be obtained prior to any occupancy of a structure. Effective May 1, 2000, it is necessary to provide evidence of an Occupancy Permit in order to change the water service for new construction over from the builder's name to a new occupancy. Occupancy Permits are issued upon satisfactory completion of all City required inspections.

We thank you for taking the time to read all of the attached information. We hope it helps your building project progress smoothly. Please read and sign below. This sheet is to be returned along with your building permit packet submittal.

*I have read the building permit policies for the City of Edwardsville. I have received a copy of the **Residential Building Code Highlights**, and I understand that I am responsible for full compliance with all of the codes, policies, and inspection requirements. I agree to provide copies of the information to all sub-contractors and material suppliers and to make sure that they are aware of these codes, policies and inspections.*

I understand that I am subject to an immediate “Stop Work Order” and Municipal Citation if my sub-contractors or I do not comply with these codes, policies and inspections.

The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating the performance of construction including home owner association board approval.

Date: _____

Permitee Signature

Permitee Name (Printed)

Construction Information:

Street Address

Project 9-1-1 Address

City, State, Zip Code

Lot & Subdivision

Daytime/Cell Phone # (Where we can reach you)

Email Address (Please print clearly)

Site, Drainage, & Erosion Control Plan

*** Please include the following and initial each item verifying its inclusion ***

- ___ 1. Dimensions of proposed building / construction, existing buildings and entire lot, (to scale).
- ___ 2. Setbacks from edge of building, cantilever walls, bay windows and fireplaces to all lot lines.
- ___ 3. Show all easements, underground utilities and equipment, man holes, fire hydrants, storm water facilities, and structures. NOTE: THE CHANGING OF GRADE, FILLING IN, STOCK PILE IN ANY EASEMENTS IS STRICTLY PROHIBITED.
- ___ 4. Identify street names.
- ___ 5. Show basement opening locations and elevation of openings (including below grade window wells) – Concrete sill of opening or the top of the window wells shall be a minimum of 4 inches above the finished grade of yard. The yard shall slope away from the foundation at least 6 inches in 10 feet. Basement openings should not be installed on a building wall next to a side yard drainage easement. All basement openings must be above the overflow path of a downstream culvert.
- ___ 6. Show driveway location (minimum of 5 feet from side property lines).
- ___ 7. Show elevation of garage finished floor (min. 1 foot, max 3 feet above back of curb). The standard residential elevation is 2 feet above the back of curb.
- ___ 8. Show location of exterior A/C unit (should not be placed next to a drainage way).
- ___ 9. Show location of any proposed or potential retaining walls.
- ___ 10. Show the “lowest floor level elevation” or the “lowest entry elevation level” as may be required by recorded subdivision plat or flood zone maps.
- ___ 11. **Drainage** – show the direction of flow of stormwater at the sides and the rear lot lines. NOTE: Filling in established drainage ways, easement, or blocking the flow of stormwater along the lot lines is a violation of the City Stormwater Ordinance.
- ___ 12. **Erosion Control Plan** – City ordinances requires Soil Erosion Control around the entire building site where water leaves the property. Show location of Erosion Control. (See attached “No Work Notice” sheet)
- ___ 13. Show Sanitary Sewer Service, Sump pump outlet, and water service line locations. (Please anticipate outside water meter pit unless otherwise approved by City Engineer.)
- ___ 14. Sign & Date Plan (Modification of Sealed plans or drawings is not allowed or accepted).

Builder's Signature

Date



City of Edwardsville – Public Works Department
Specification Sheet
Based on 2021 International Residential Building Code

Soils/Geotechnical

Material Classification _____

Load Bearing Pressure (PSF) _____

Footing

Size (Depth x Width) _____

Reinforcement (Size and Spacing) _____

Note: reinforcing steel bars must be per 2021 IRC requirements and as specified in approved plans.

Foundation

Poured Concrete or Masonry _____

Wall Dimensions (Thickness x Height) _____

Vertical Reinforcement (Size and Spacing) _____

Horizontal Reinforcement (Size and Spacing) _____

Note: reinforcing steel bars must be per 2021 IRC requirements and as specified in approved plans.

Crawl Space Height (18" min.) _____

Note: crawl space height, ventilation and access

Termite Shield Material _____

Sill Plate Attachment _____

Example: 2x4 sill plate, 1/2"x10" anchor bolts (Embedded 7") & 3"x 3" washers at 6ft o.c.

Main Support Beam(s) Size _____

Floor Joist Type & Size _____

Note: Vapor Barrier must be of 10 mil. plastic over a min. of 4" clean rock.

Exterior

Exterior Wall Sheathing Material _____

Exterior Insulation (If applicable) _____

House Wrap / Water Resistive Barrier _____

Exterior Wall Finish _____

Interior

Subfloor Material _____
Load Bearing Wall Bracing & Headers _____
Non-Load Bearing Wall Bracing & Headers _____
Wall Studs (size) _____ (material) _____ @ _____ O.C.
Stud Cavity Insulation (Type and R-Value) _____
Wall Finish (drywall or plaster) _____
Ceiling (Attic) Insulation (Type and R-Value) _____
Ceiling Finish (drywall or plaster) _____
Finish Floor(s) _____

Roof

Truss or Stick-Framed _____ @ _____ O.C.
Roof Slope _____
Sheathing Paper _____
Roof Covering (asphalt, slate, tile, etc.) _____
Trusses _____ @ _____ O.C.
Roof Rafters / Ceiling Joists (if stick framed) _____ @ _____ O.C.
Roof structure to Top Plate connection type _____

Grading

What is planned for the excess dirt excavated from the jobsite? _____



City Of Edwardsville

Public Works Department
 200 East Park Street
 Edwardsville, IL 62025

Cross Connection Survey

Resident			
Property Address			
Mailing Address			
Phone		Email	
Account # (found on City utility bill)			

In order to protect the City of Edwardsville's water supply from becoming contaminated, the Illinois Environmental Protection Agency, requires a survey to determine if there are any hazardous conditions that could affect our drinking water.

This must be turned in with your building permit application.

Type of Use: Residential Commercial Medical Industrial
 Government Agricultural Other _____

Check all that apply

1. Do you have any other source of water, such as private well, pond, lake, tank or reclaimed water that is connected to the public water supply? Yes No

2. Are there any backflow prevention devices installed on the premises?
 This does not include devices installed on the City water meter or outside water/garden hose. Yes No
 - a. If so, has the device been tested? (If yes, please provide a copy of the test results). Yes No

3. Do you have a permanent in-ground lawn irrigation system installed on your property?
 This does not include lawn water devices attached to a garden hose. Yes No

4. Do you have a sump pump on your property? Yes No
 - a. If so, does it connect to the City sewer? Yes No

5. Do you have a swimming pool and/or hot tub? Yes No
 - a. Is the above filled by a permanent connection to the water system? Yes No

6. Is your facility heated by a boiler? Yes No

Do you have any of the equipment listed below on the premises? (Check all that apply)

- | | | | | | |
|---|--------------------------|-----------------------------|--------------------------|------------------------|--------------------------|
| Fire sprinkler system | <input type="checkbox"/> | Truck or tank filling equip | <input type="checkbox"/> | Baptismal fountain/tub | <input type="checkbox"/> |
| Temporary service | <input type="checkbox"/> | Soft drink dispenser | <input type="checkbox"/> | Water softener | <input type="checkbox"/> |
| Car wash facilities | <input type="checkbox"/> | Water cooled equip | <input type="checkbox"/> | Shampoo bowl | <input type="checkbox"/> |
| Chemical feeder | <input type="checkbox"/> | Pressure booster | <input type="checkbox"/> | Soap injector | <input type="checkbox"/> |
| Sterilizer | <input type="checkbox"/> | Industrial fluid system | <input type="checkbox"/> | Photo Processor | <input type="checkbox"/> |
| Steam equip | <input type="checkbox"/> | | | | |
| Outdoor yard hydrant (a plumbing fixture that stands upright out of the ground) | | | | | <input type="checkbox"/> |

Commercial Properties Only:

This section should only be filled out by Commercial Properties. Please skip this section if you are a single family residential location.

- 1. Do you have industrial air conditioning equipment on the premises? Yes No
 - a. If so, does the equipment have an air washer on the premises? Yes No
 - b. Does the equipment have a condenser washer on the premises? Yes No
- 2. Do you have an industrial grease trap on your property? Yes No

Important Notice:

The Illinois Environmental Protection Agency and the Illinois Department of Public Health require hose vacuum breakers to be attached to all outdoor faucets. These devices protect the plumbing system from being contaminated by any substance which might enter the water hose (lawn fertilizer, herbicide, soap, etc.). Hose vacuum breakers are available at most hardware stores or through your local plumbing contractor.

Comments:

Your comments are important in the cross-connection control program. Use this space for any comments or address corrections.

PLEASE DO NOT INCLUDE WATER BILL PAYMENTS IN THE RETURN ENVELOPE.

The information provided in this survey form is an accurate and current description of the water system at this address:

Signature of person completing this survey

Date

For office use only:

- Type 1 residential Type 2 residential Type 3 residential
- Type 1 commercial Type 2 commercial Type 3 commercial

Signature of person making decision

Date



Water Service Size Calculation

Project Address: _____

Applicant: _____

Date: _____

Fixture	Occupancy	Type of Supply Control	Load Values in Water			Quantity	Total
			Cold	Hot	Total		
Water Closet	Public/Private	Flush Valve	10	-	10		
Water Closet	Public/Private	Flush Tank	3	-	3		
Urinal	Public	1" Flush Valve	10	-	10		
Urinal	Public	¾" Flush Valve	5	-	5		
Urinal	Public	Flush Tank	3	-	3		
Service Sink	Offices, ect.	Faucet	2	2	3		
Drinking Fountain	Offices, ect.	3/8" Valve	0.25	-	0.25		
Lavatory	Private	Faucet	0.75	0.75	1		
Bathtub	Private	Faucet	1.5	1.5	2		
Shower Stall	Private	Mixing Valve	1	1	2		
Kitchen Sink	Private	Faucet	1.5	1.5	2		
Laundry Trays (1 to 3)	Private	Faucet	2	2	3		
Dishwashing Machine	Private	Automatic	0	-1	1		
Laundry Machine (8lb)	Private	Automatic	1.5	1.5	2		
Laundry Machine (16lb)	Public/General	Automatic	3	3	4		
Other							
Total WSFU							

Water Service: _____

Water Meter: _____

If Irrigation System Is To Be Installed (Requires Additional _____ WSFU) :

Water Service: _____

Water Meter: _____

Signature: _____ Date: _____

Section 890.APPENDIX A Plumbing Materials, Equipment, Use Restrictions and Applicable Standards

Section 890.TABLE N Water Supply Fixture Units (WSFU) for a Supply System with Flush Tanks Water Closets

WSFU	Demand (GPM)	Pipe Size (Inches)	Pressure Loss (PSI/100' of Pipe)	Velocity (Ft./Sec.)	Meter Size (Inches)
2	2	½"	4.2	2.7	⅝"
4	3	½"	8.7	4.2	⅝"
6	5	½"	22.5	7.0	⅝"
8	6.5	¾"	6.3	4.3	⅝"
10	8	¾"	9.0	5.4	¾"
12	9.2	¾"	11.5	6.1	¾"
14	10.4	¾"	15.0	6.9	¾"
16	11.6	¾"	18.0	7.7	¾"
20	14	1"	7.2	5.6	¾"
25	17	1"	10.0	6.6	¾"
30	20	1"	13.6	8.0	1"
35	22.5	1¼"	5.8	5.7	1"
40	25	1¼"	7.0	6.3	1"
45	27	1¼"	8.2	6.9	1"
50	29	1¼"	9.5	7.4	1"
60	32	1½"	5.0	5.8	1½"
70	35	1½"	6.2	6.4	1½"
80	38	1½"	7.0	7.2	1½"
90	41	1½"	8.0	7.5	1½"
100	43.5	1½"	8.7	7.8	2"
120	48	2"	2.7	5.0	2"
140	52.5	2"	3.1	5.4	2"
160	57	2"	3.6	5.8	2"
180	61	2"	3.9	6.1	2"
200	65	2"	4.5	6.6	2"



WATER SERVICE INSTALLATION

(Form To Be Completed and Returned Before a Water Meter Will Be Installed)

Property Address _____

Lot # _____ Subdivision _____

Permit # _____

DATE OF WATER SERVICE INSTALLATION _____

SIZE OF SERVICE LINE INSTALLED _____

Installer's Name _____

Company _____ Phone # _____

Plumbing License # _____

Please return to:

City of Edwardsville
Dept. of Public Works
200 East Park Street, P.O. Box 407
Edwardsville, IL 62025-0407
618/692-7535
618/692-7505 - FAX

Revised 3/17/2023

CITY OF EDWARDSVILLE RESIDENTIAL CODE HIGHLIGHTS

HIGHLIGHTS OF SOME GENERAL REQUIREMENTS
FOR SINGLE FAMILY RESIDENTIAL CONSTRUCTION

NOTE: IT IS THE RESPONSIBILITY OF THE APPLICANT TO FORWARD THIS INFORMATION TO THEIR BUILDERS AND SUB-CONTRACTORS.

IT'S EASIER TO SOLVE A PROBLEM AT THE PLAN STAGE THAN ON THE JOB.
PLEASE CONTACT THE BUILDING INSPECTION OFFICE WITH ANY QUESTIONS.

A. GENERAL

- A1. This list is compiled for the purposes of highlighting some of the general requirements for single family residential and townhouse construction three stories or less. Following is information that needs to be understood at the plan stage of a residential project in order to avoid unnecessary expense and delay as the home is constructed. The information contained herein is taken from the **2021 International Residential Code** (2021 I.R.C) and Edwardsville standards. For simplicity, wording is not always verbatim from the code, the actual code should be used for the detailed, complete requirements, exceptions, and alternatives or specific applicable provisions from other regulations. This list is not intended to indicate any change in the codes by inference or omission. If any errors are found, please notify the department as soon as possible for clarification and revision.
- A2. Design for the City of Edwardsville shall comply with the requirements for:
- | | |
|----------------------------------|----------------------|
| a. Frost Line Depth | 42 inches |
| b. Assumed Soil Bearing Pressure | 1,500 psf |
| c. Seismic Zone | C |
| d. Basic Wind Speed | 110 mph (3 sec gust) |
| e. Ground Snow Load | 20 psf |
- A3. Plans shall be DRAWN TO SCALE, 1/4" = 1' or larger, and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of the codes and all relevant laws, ordinances, rules and regulations.
- A4. Applicant to verify conformance with Subdivision Covenants and Restrictions. The City of Edwardsville does not review for compliance or enforce Subdivision Covenants and Restrictions.

B. SITE PLAN

- B1. See “Site and Drainage Plan Requirements” in permit application package.
NOTE: Construction must comply with all zoning regulations.
- B2. Site shall be graded such that the ground slopes away from the foundation dropping at least six (6) inches within 10 feet of the foundation.
- B3. Based upon a ruling provided by the Illinois Department of Financial and Professional Regulation, a Structural Engineer or Architect licensed in the State of Illinois must seal retaining wall plans if total height is 4 feet or greater from bottom of footing to top of wall. Plans prepared and sealed by a “Professional Engineer” will not be accepted.
- B4. Homes located in potential flood hazard areas will be required to have elevation certificates prior to construction and after completion.

C. FOOTING AND FOUNDATION REQUIREMENTS

- C1. Must be in accordance with Chapter 4 of the 2021 IRC and match the approved plan sheets.

D. EMERGENCY ESCAPE AND RESCUE OPENINGS

- D1. All newly constructed basements and all sleeping rooms must have a code compliant emergency escape and rescue opening.

E. STAIRWAYS, RAMPS, GUARDS, & HANDRAILS

- E1. All stairs, ramps, guards and handrails must comply with 2021 I.R.C

F. SMOKE ALARMS

- F1. Smoke alarms must be installed in all sleeping rooms, outside of sleeping rooms within 15 feet of room door, and on each additional story of the dwelling unit.
- F2. Smoke alarms in New Construction Homes are required to be A/C powered with battery back-up and inter-connected.
- F3. Smoke alarms are required in Additions and Remodels and may be A/C powered with battery back-up or battery powered, but must be inter-connected.
- F3. Smoke Alarms must be in compliance with Section R314 of the 2021 I.R.C

G. GLAZING

- G1. Tempered glass and safety glazing are required in all hazardous locations described in Sec. R308.4 2021 I.R.C.

H. DRILLING & NOTCHING OF WOOD FRAMING

- H1. Drilling and notching of non-load bearing and load bearing wood framing members must comply with 2021 I.R.C Section R602.6 and Section R502.8.

I. FIRE BLOCKING REQUIRED

- I1. Fire blocking shall be provided to cut off all concealed draft openings (both vertical and horizontal) and to form an effective fire barrier between stories, and between a top story and the roof space. Section R602.8 of 2021 I.R.C.

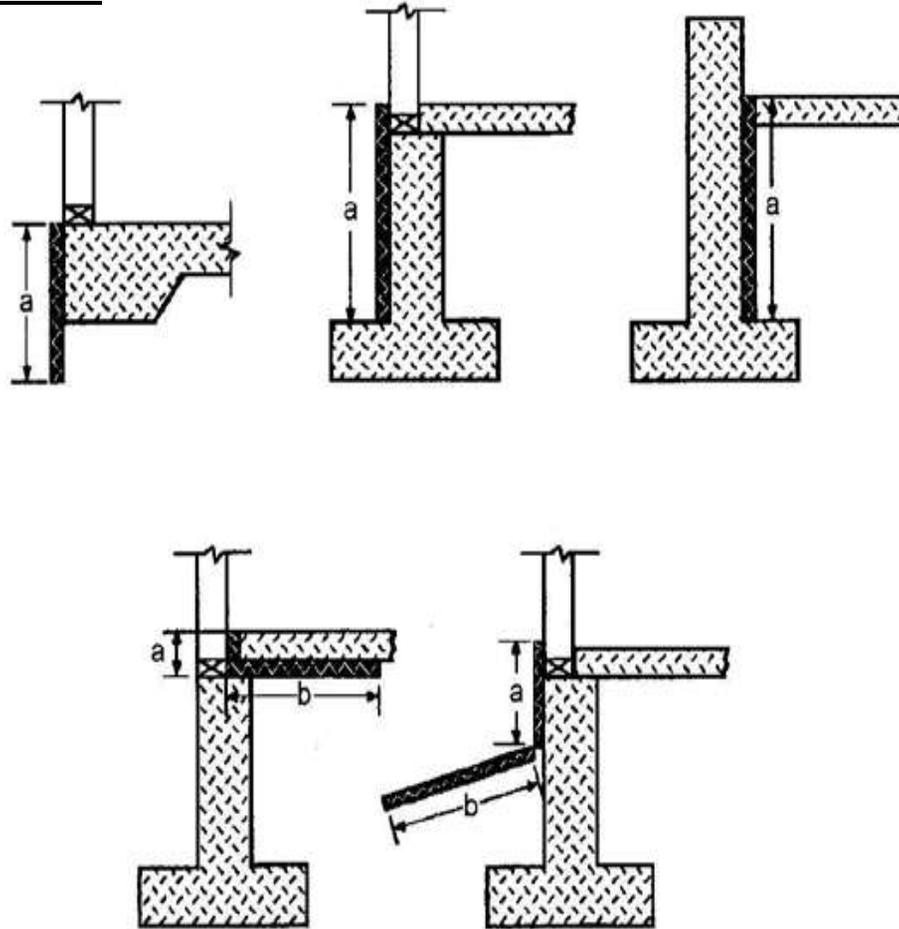
City of Edwardsville

Footing and Foundation Handout

FOOTING AND FOUNDATION REQUIREMENTS

- All footing and foundations must comply with the requirements of Chapter 4 of the 2021 IRC
- Site specific Soil information must be included with submittal. This must include soil classification and bearing capacity (psf)
- Foundation walls must be designed and submitted the same time the permit application is submitted. Foundation wall designs must also conform to the vertical and horizontal reinforcement requirements of Chapter 4 of the 2021 IRC.
- An approved inspection by the Building Inspector is required before placement of concrete and is to be approved prior to ordering concrete for footings and foundations. (No photographs allowed).
- ½" galvanized anchor bolts, minimum 7" embedment, are required at a minimum of 6 feet on center and within 12 inches of the ends of each sill plate section. NOTE: If anchor bolts are not properly located during wet concrete placement, contractor must install Simpson Strong-Tie Anchor Retrofit Galvanized Titen HD ½" x 6" (Model # THD50600HMG), or equal fasteners. Submittal of fastener specification sheet is required prior to use and approval.
- Washers for ½" diameter anchor bolts shall consist of galvanized steel and be placed between the foundation treated sill plate and the nut. Galvanized cut washers are required for slotted plates.
- A second foundation inspection is required prior to backfill for inspection of drain tile, rock, waterproofing, interior footings, sill plate, anchor bolts, galvanized washer plates and foundation wall. NOTE: Floor framing is not permitted to begin until this foundation inspection has been approved.
- Basement floor is required to have a ten (10) mil polyethylene vapor barrier between a 4" granular base course and a 4" concrete slab. NOTE: The vapor barrier must be inspected and approved before placement of slab.

R-10 Rigid Insulation



$$a + b = 24 \text{ inches}$$

SLAB EDGE INSULATION METHODS



PERMIT NO. _____

City of Edwardsville APPLICATION FOR BUILDING PERMIT

Date _____
Name of Owner _____ Current Address _____ City _____
Project Address _____ Phone _____
Subdivision _____ Lot No. _____ Property Identification No. _____

Type of Structure
Single-Family Commercial
Two-Family Industrial
Multi-Family Office/Prof.
No. of Units _____ Other _____
Rental (please initial) _____ No Existing Future

Type of Work
New Construction Sign
Remodeled Electrical Only
Garage Plumbing Only
Roof Mechanical Only

Estimated Cost: Building _____ Electrical _____ Plumbing _____ Mechanical _____

Scope of work: _____

Building
Contractor _____
Address _____
Phone No. _____ Cell No. _____
Email Address _____
Type of Construction _____
Stories _____ Width _____ Depth _____
Total Building Area _____
of Rooms _____ Baths _____
Basement: None Unfinished
Finished Area _____
Garage /Carport _____
of Parking Spaces: Enclosed _____ Outdoors _____
IL Roofing License # _____

Plumbing
Contractor _____
Address _____
Phone No. _____ Cell No. _____
Email Address _____
W. Closets _____ Sinks _____
Bathtubs _____ Showers _____
Floor Drain _____ Service Sinks _____
Size Wtr. Conn. _____ Backflow Prev. _____
Grease Trap _____ Other _____
IL License # 055 - _____

Electrical
Contractor _____
Address _____
Phone No. _____ Cell No. _____
Email Address _____
Service: Overhead Underground
Service Size:
Panel #1:
_____AMPS _____VOLTS _____PHASE _____WIRE
Panel #2:
_____AMPS _____VOLTS _____PHASE _____WIRE
Example:
200 AMPS 208Y/120 VOLTS 3 PHASE 4 WIRE

Mechanical
Contractor _____
Address _____
Phone No. _____ Cell No. _____
Email Address _____
Heat:
Quantity _____ Type _____ BTU _____
Flue _____ Fuel Line Size _____
Water Heater:
Quantity _____ Type _____ BTU _____
Flue _____ Gallons _____
Air Conditioner:
Quantity _____ Total Tonnage _____
Special Item _____ Qty _____

I hereby affirm the above statements are true and correct and comply with the provisions of the ordinances of the City of Edwardsville and adopted codes. I understand that I may need additional approval for the proposed improvements from the homeowner's association if applicable. I hereby certify that the proposed work is authorized by the owner of record and approval has been given by the owner for submission of such application.

Printed Name _____ (Signature) _____

Reviews:		(OFFICE USE ONLY)	
Building <input type="checkbox"/> ADA <input type="checkbox"/> Mechanical <input type="checkbox"/>	<input type="checkbox"/> N/A <input type="checkbox"/> Approved _____	by _____	Initials date
Electrical:	<input type="checkbox"/> N/A <input type="checkbox"/> Approved _____	by _____	Initials date
Plumbing:	<input type="checkbox"/> N/A <input type="checkbox"/> Approved _____	by _____	Initials date
Rental:	<input type="checkbox"/> N/A <input type="checkbox"/> Approved _____	by _____	Initials date
Fire:	<input type="checkbox"/> N/A <input type="checkbox"/> Approved _____	by _____	Initials date
Esmnt/Strmwtr:	<input type="checkbox"/> N/A <input type="checkbox"/> Approved _____	by _____	Initials date
Zoning <input type="checkbox"/> Parking <input type="checkbox"/> Landscaping <input type="checkbox"/>	<input type="checkbox"/> N/A <input type="checkbox"/> Approved _____	by _____	Initials date
Permit Authorization Signature: _____		Date: _____	