



# City of Acworth Development Department

4415 Center Street  
Acworth, Georgia 30101  
Office: (770) 974-2032

[building@acworth.org](mailto:building@acworth.org)  
[www.acworth.org](http://www.acworth.org)

## RESIDENTIAL BUILDING PERMIT APPLICATION

**All contractors are required to have a Georgia Contractor's License and a business license from a Georgia municipality!**

\*Note: A separate permit is required for each and every building or structure on which work is to be done. If building contains more than (1) dwelling unit, list the addresses or all units in which work will be done.

**Expiration of Permits:** All permits expire 6 months after the last required inspection that has been passed, or 6 months after the date of issue if no required inspections have been approved. The Building Official may issue a 6 month extension if any permit, (for due cause), if requested in writing by the permit holder prior to such a permit expiring.

**Work Commencing Without a Permit:** Where any work for which a permit is required is started without such a permit having been issued, the applicable fees shall be doubled. (This includes permits for Building, Electrical, Plumbing, Mechanical, Gas Etc.) The payment of such a double fee shall not relieve any persons from fully complying with the requirements if all applicable codes and City Ordinances including on work already performed, concealed or otherwise not inspected, nor shall it relieve them from any other penalties as may be prescribed by law.

**Other Permits Required:** Electrical, Plumbing and Mechanical work must be permitted separately.

### THE FOLLOWING ITEMS MUST BE ATTACHED TO THE APPLICATION BEFORE ZONING AND THE BUILDING DEPARTMENT WILL APPROVE YOUR PERMIT.

1. A Site Plan depicting the house, driveway and other major features, along with distances to all property lines. \_\_\_\_\_
2. Front Elevation (as viewed from the street) \_\_\_\_\_
3. Foundation plan \*\* \_\_\_\_\_
4. Floor Plan for Each Floor \*\* \_\_\_\_\_
5. Typical Exterior Wall Details for Above Ground & Below Ground Walls \*\* \_\_\_\_\_
6. Landscaping Plan. Note that all disturbed areas of ground cover must be re-vegetated with sod or plantings. \_\_\_\_\_
7. Stormwater and Erosion Control Plans \_\_\_\_\_
8. Energy Compliance Sheet and Affidavit \_\_\_\_\_
9. Cobb County Water and Sewer Installation Permit Paid Receipt \_\_\_\_\_

\*\* Please refer to the attached handout for the minimum details required for a plans review.

Location / Street Address: \_\_\_\_\_

Subdivision / Complex: \_\_\_\_\_ Lot / Apt. #: \_\_\_\_\_

Owner Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_ Mobile: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Email: \_\_\_\_\_

Contractor: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_ Mobile: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Email: \_\_\_\_\_

ELECTRICAL UTILITY PROVIDER AT THE CONSTRUCTION SITE: ACWORTH POWER ( ) GA. POWER ( ) COBB EMC ( )

HOUSE PLAN & ELEVATION (New Subdivisions Only) \_\_\_\_\_

HEATED SQUARE SQ.FT. (Including Finished Basements): \_\_\_\_\_

ATTACHED GARAGE SQ.FT. \_\_\_\_\_ UNFINISHED BASEMENT SQ. FT.: \_\_\_\_\_

TOTAL SQUARE FOOTAGE: \_\_\_\_\_ CONSTRUCTION COST/VALUATION: \$ \_\_\_\_\_

BASE FEE: \_\_\_\_\_ \$ **80.00**

PLANS REVIEW FEE: \_\_\_\_\_ \$ **150.00**

PERMIT COST: \$6.00 per \$1,000 (or any portion thereof) OF TURN KEY VALUATION OF CONSTRUCTION (\*\*See Page 2\*\*) \$ \_\_\_\_\_

ENVELOPE TIGHTNESS VERIFICATION (BLOWER DOOR TESTING) \*\*See Page 2 for More Information\*\* \$ **200.00**

RECREATIONAL IMPACT FEE: \_\_\_\_\_ \$ **500.00**

TOTAL COST: \_\_\_\_\_ \$ \_\_\_\_\_

RE-INSPECTION FEES: Trade Inspections - \$75.00 each occurrence, Envelope Tightness Verification - \$200.00 each

**Envelope Tightness Verification:** \$200.00 for each test. \$110.00 per hour to diagnose the worst areas of air leakage upon request (not required). Re-evaluating after initial test failure shall be at the same original cost(s).

**The Envelope Tightness Verification shall be performed along with the required Duct Tightness Verification, together during one inspection. If called for separately, additional fees shall apply.**

The provisions of the Georgia State Minimum Standard Energy Code, as adopted and amended the Georgia Department of Community Affairs, shall regulate the design of building envelopes for adequate thermal resistance and low air leakage, as well as the design and selection of mechanical, electrical, service water heating and illumination systems and equipment that will enable the effective use of energy in new building construction. **Any duct or envelope tightness verification or testing required by this Code shall be performed by the City of Acworth Building Department.** For due cause, the Building Official may hire or allow an outside contractor to perform such testing. If a builder, owner or contractor elects to perform (or hires an outside contractor to perform) any such duct or envelope tightness verification / testing, the results of such testing shall not be made mandatory upon the Building Official for his acceptance as meeting the requirements of this Code. The building and/or heating and air conditioning contractor shall be charged fees for such duct and envelope tightness verification / testing in accordance with the permit fee schedule on file with the City. Failures in meeting the provisions the Code concerning duct and envelope tightness shall result in the testing being required to be performed again, after corrections to deficiencies have been made, and a re-inspection fee in the original amount has been paid. Upon request, and upon the payment of an additional fee, the Building Department shall perform analysis to attempt to determine the cause of the failure of a duct tightness and / or envelope tightness tests.

**The air tightness of the building, dwelling or dwelling unit(s) shall be performed in accordance with Code and after all rough-in inspections have been approved, after the installation of all exterior and interior wall coverings and after installation of all penetrations of the building envelope, including doors and windows and penetrations for utilities, plumbing, electrical, ventilation, combustion appliances, etc.**

The **Total Cost of Construction (permit valuations)** shall include the total cost of the building, electrical, gas, mechanical, plumbing, necessary equipment, and other systems, as required to erect and complete the building, dwelling or structure, including design fees, connection to utilities, site work necessary for foundation installation, the cost of materials, labor, overhead and profit.

## **This Permit is Subject to the Following Terms & Conditions**

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I hereby certify that I have read and examined this document and know the same to be true and correct. All provisions of laws and ordinances governing This type of work will be complied with whether specified herein or not. Granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction.

\_\_\_\_\_  
**PRINT NAME** of CONTRACTOR OR AUTHORIZED AGENT

\_\_\_\_\_  
**SIGNATURE** OF CONTRACTOR OR AUTHORIZED AGENT

\_\_\_\_\_  
**DATE**

### **OFFICE USE ONLY BELOW THIS LINE**

**BASE APPLICATION ACCEPTED BY:** \_\_\_\_\_  
**PLANS CHECKED BY:** \_\_\_\_\_  
**STORMWATER & EROSION CONTROL APPPROVED:** \_\_\_\_\_  
**ZONING APPROVAL:** \_\_\_\_\_ **TAX PARCEL NUMBER:** \_\_\_\_\_  
**CONNECTION TO SEWER OR AMENDED SEPTIC via ENVIRONMENTAL HEALTH:** \_\_\_\_\_  
**APPROVED FOR ISSUANCE BY:** \_\_\_\_\_

**Live Load:** 30 /40 lbs. per sq. ft. **Construction Type:** \_\_\_\_\_ **Occupancy Type:** Per 2018 IRC.

**Community Development Dept.**

**Building Inspections**

Building Official:  
Loyd Fasselt

Administrative Assistant:  
Mary Ellen Lamb



Inspector / Plan Examiner:  
Kirk Becker

Inspector / Plan Examiner:  
Harold Thomas

4415 Senator Russell Avenue  
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*"The Lake City"*

**Minimum Items Detailed on \*Residential Plans for Building Dept. Review**

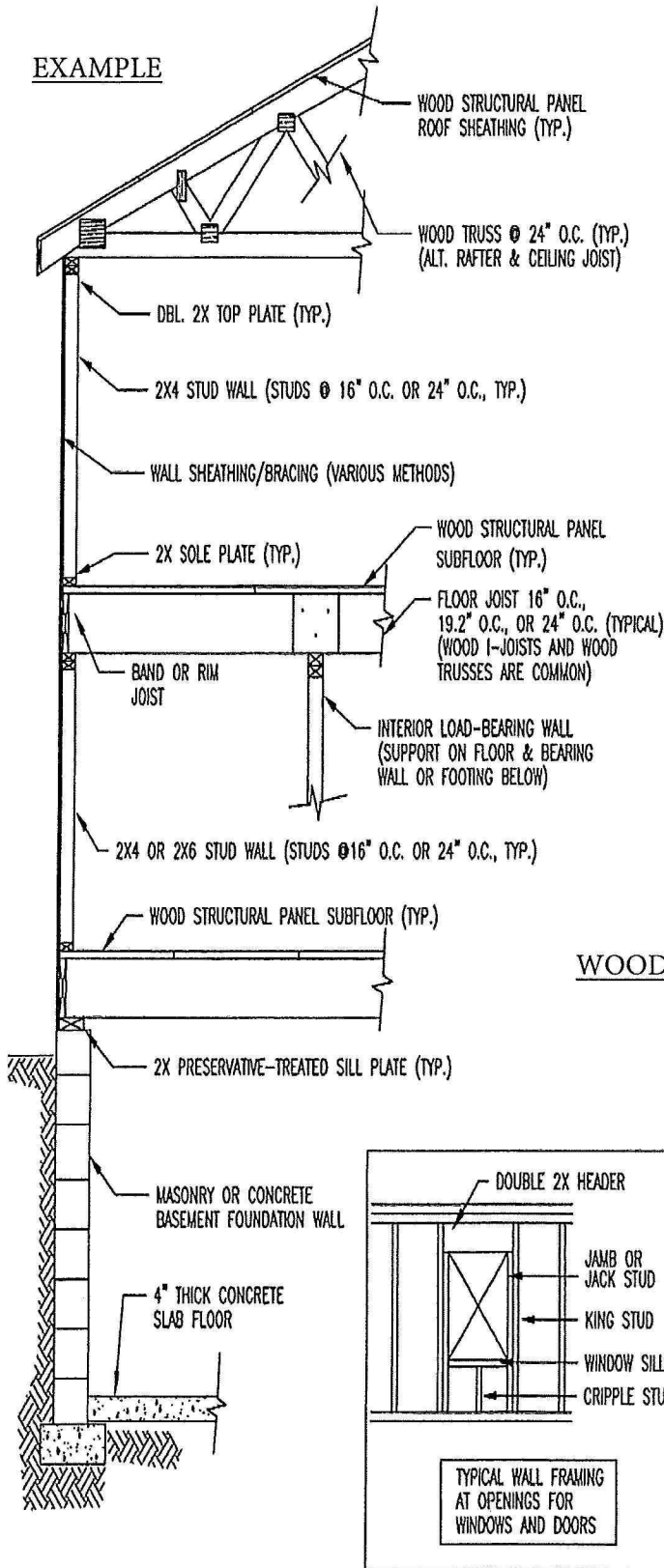
- (1) Site plans including all setbacks and locations of driveway from street to garage.
- (2) Provide floor plan including layout of all rooms, cabinets, fixtures, and size of bedroom egress windows.
- (3) Submit home elevations of front, rear and sides.
- (4) +Submit typical foundation details.
- (5) +Submit typical wall framing details (including roof & ceiling joists at exterior walls)
- (6) Full portal framing details for single story and two story structures, with or without basement.
- (7) Detail any cantilever projections & their supported load, if applicable (i.e. roof load only, one floor plus roof, etc.)
- (8) Provide deck and porch attachments detail to the structure, if applicable.
- (9) Identify location of electrical service & submit details of service grounding.
- (10) Identify location of electrical panel(s).
- (11) Identify location of sewer service lateral.
- (12) Identify location of water service lateral.
- (13) Identify location of A/C compressor(s) and furnace unit(s).

**\*Plans to be 18" X 24" minimum for plans review**

**+See Attached Handout Examples**

Revised 4-27-2017

EXAMPLE



Please provide the following information.

ROOF: \_\_\_\_\_ Truss or  
 \_\_\_\_\_ Stick built  
 Grade, size and species  
 lumber (with maximum span used)

\_\_\_\_\_ Rafters

\_\_\_\_\_ Ceiling joist

FLOORS: \_\_\_\_\_ # Stories  
 Grade, size and species (w/max. span used)

\_\_\_\_\_ Studs

\_\_\_\_\_ Floor joist

\_\_\_\_\_ Headers / Girders / Beams

\_\_\_\_\_ Sub-flooring

WOOD WALLS: Sheathing

\_\_\_\_\_ Girders / Headers

\_\_\_\_\_ Sill plates

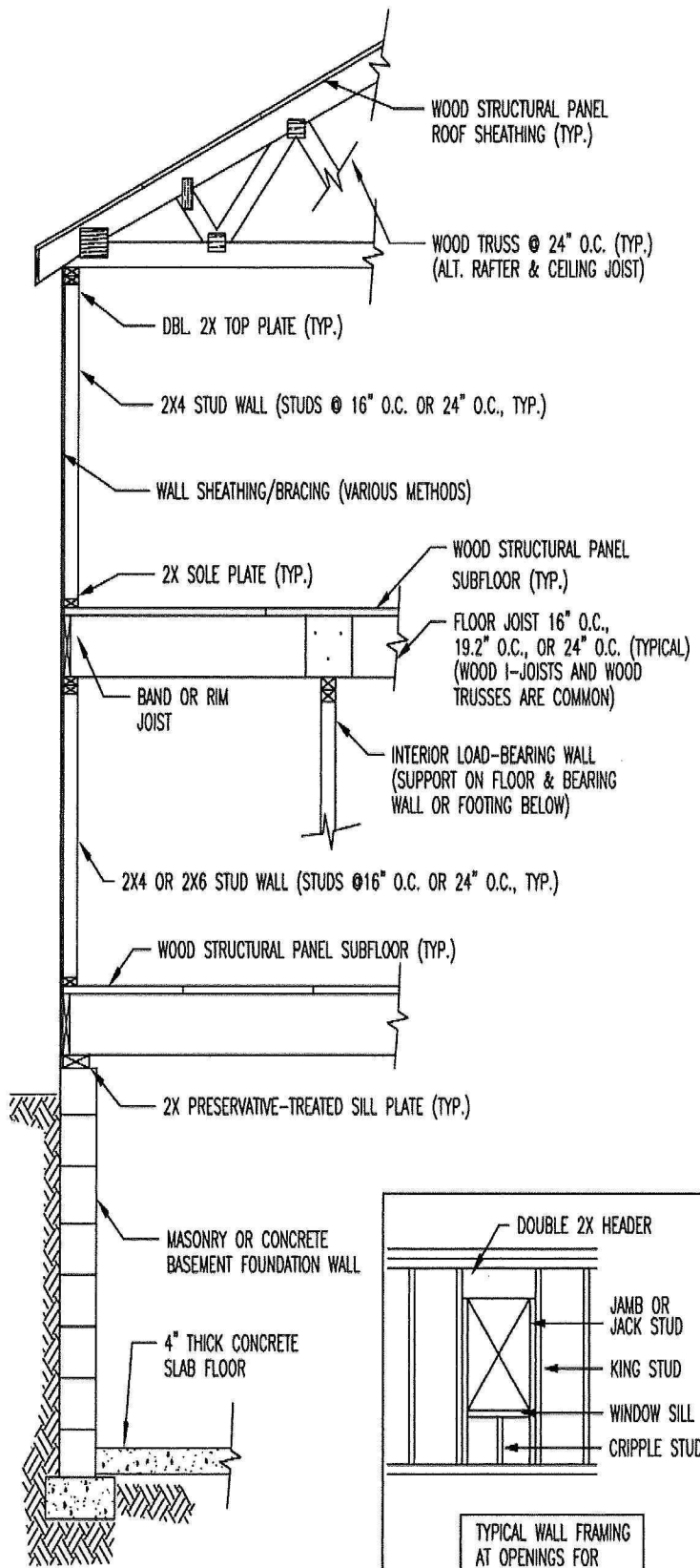
\_\_\_\_\_ Joist bridging

Pouring a masonry wall(s):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**Foundation**

- \_\_\_\_\_ Monolithic slab
- \_\_\_\_\_ Slab on grade
- \_\_\_\_\_ Continuous footing & piers

**Foundation wall**

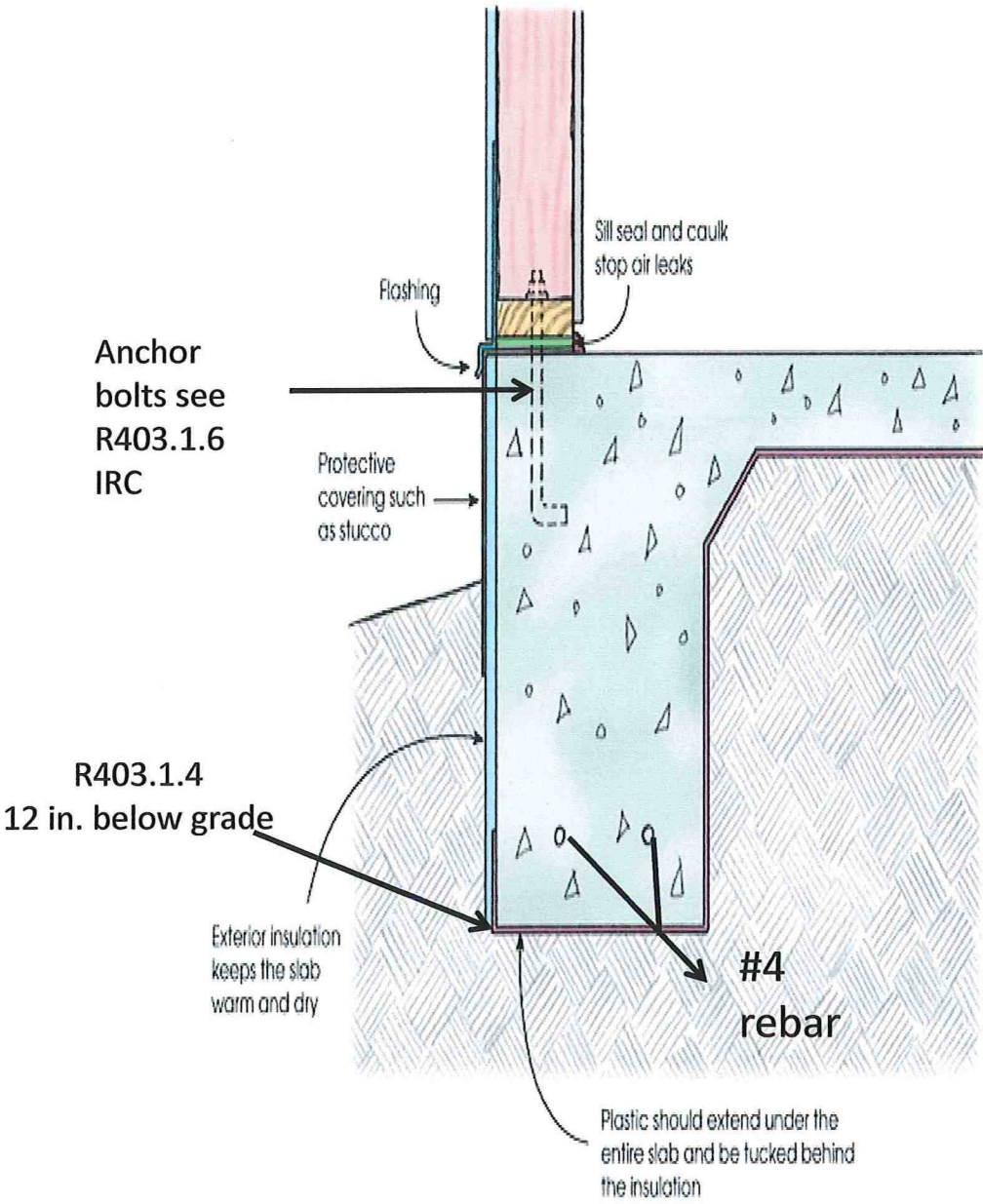
- \_\_\_\_\_ in. Concrete block
- \_\_\_\_\_ in. Reinforced concrete
- \_\_\_\_\_ Pier size

**Basement**

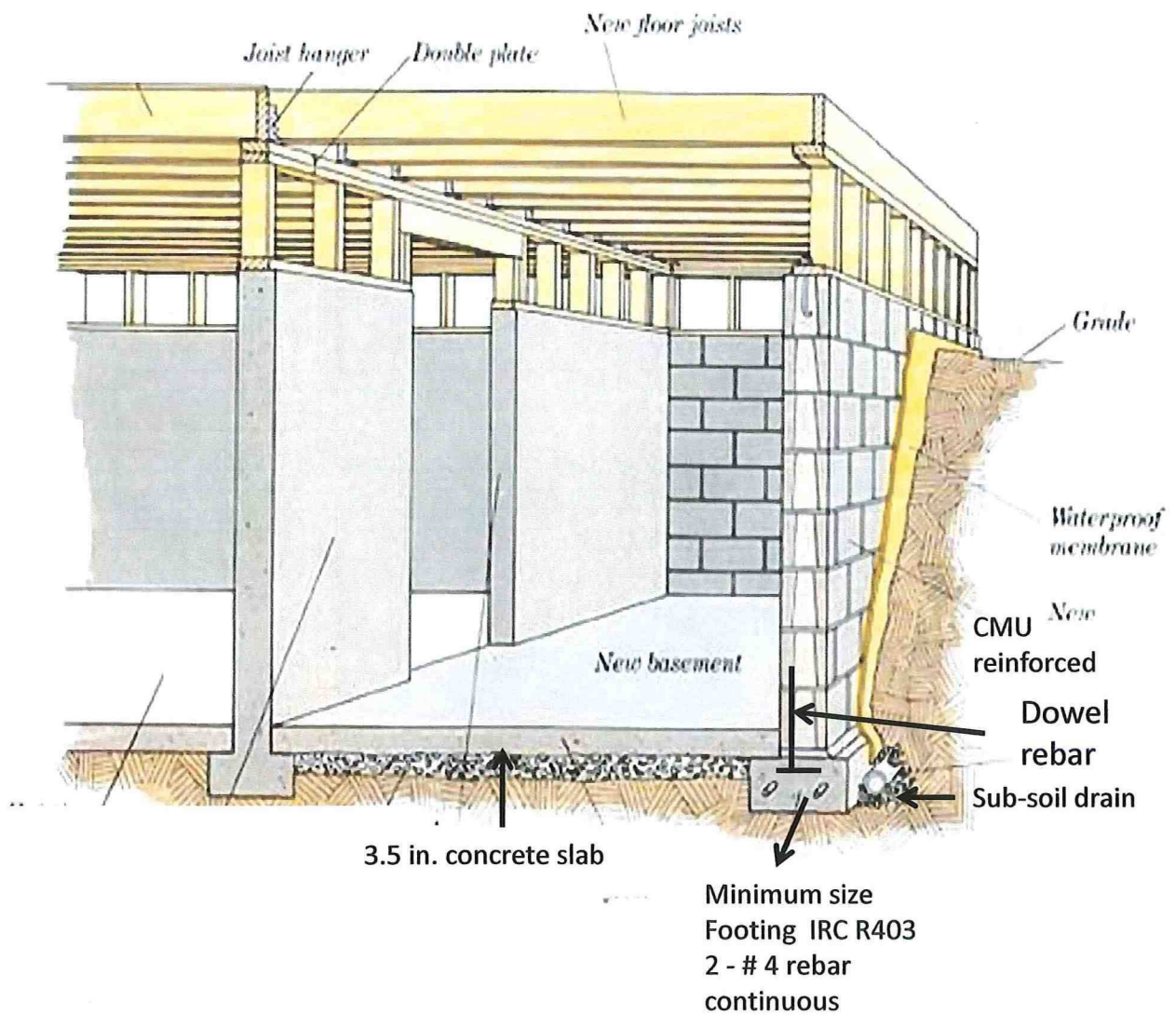
- \_\_\_\_\_ in. Concrete block
- \_\_\_\_\_ in. Reinforced concrete wall
- \_\_\_\_\_ ft. basement wall height
- \_\_\_\_\_ in. thick concrete floor



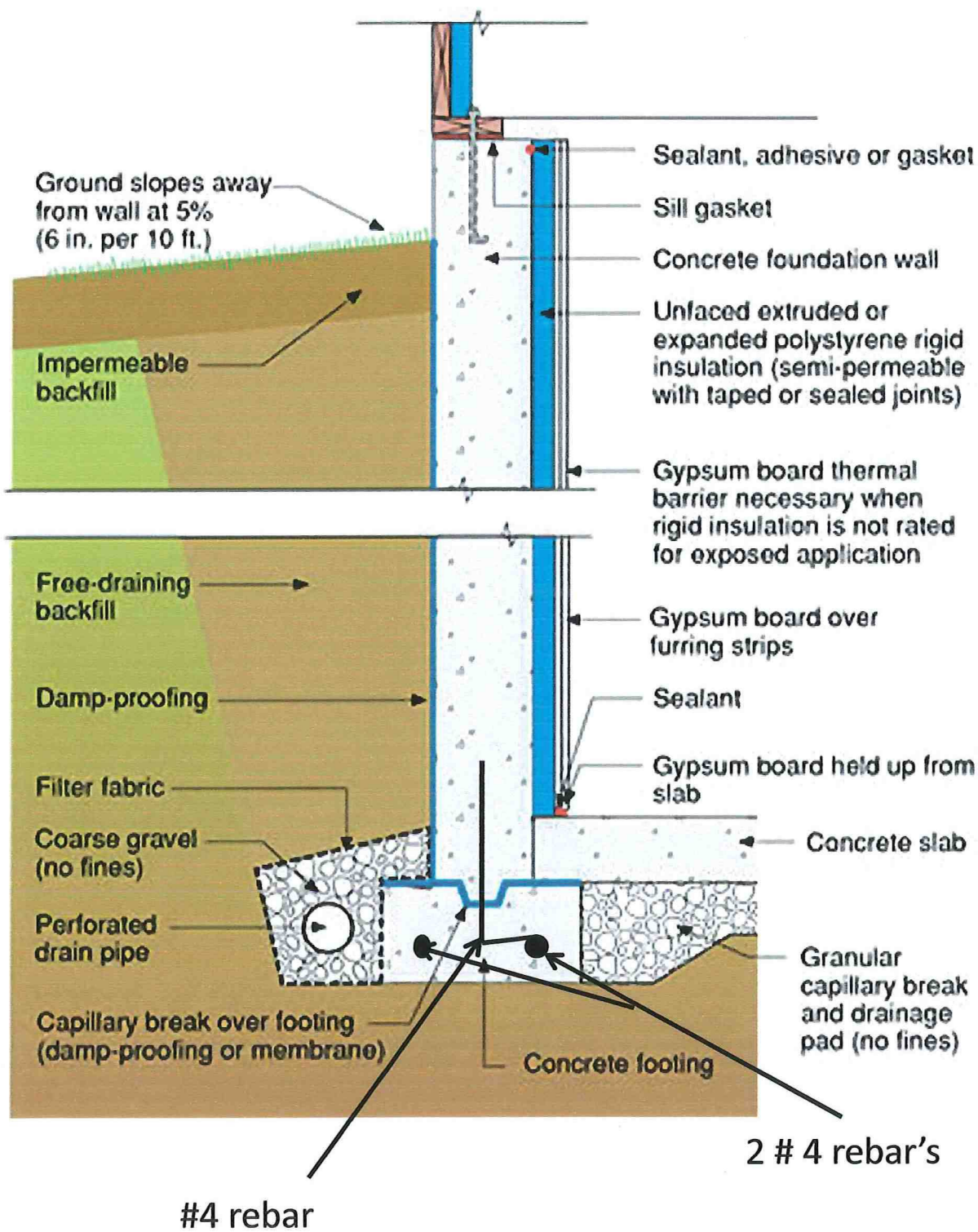
# Monolithic Slab



## Example of concrete block basement wall

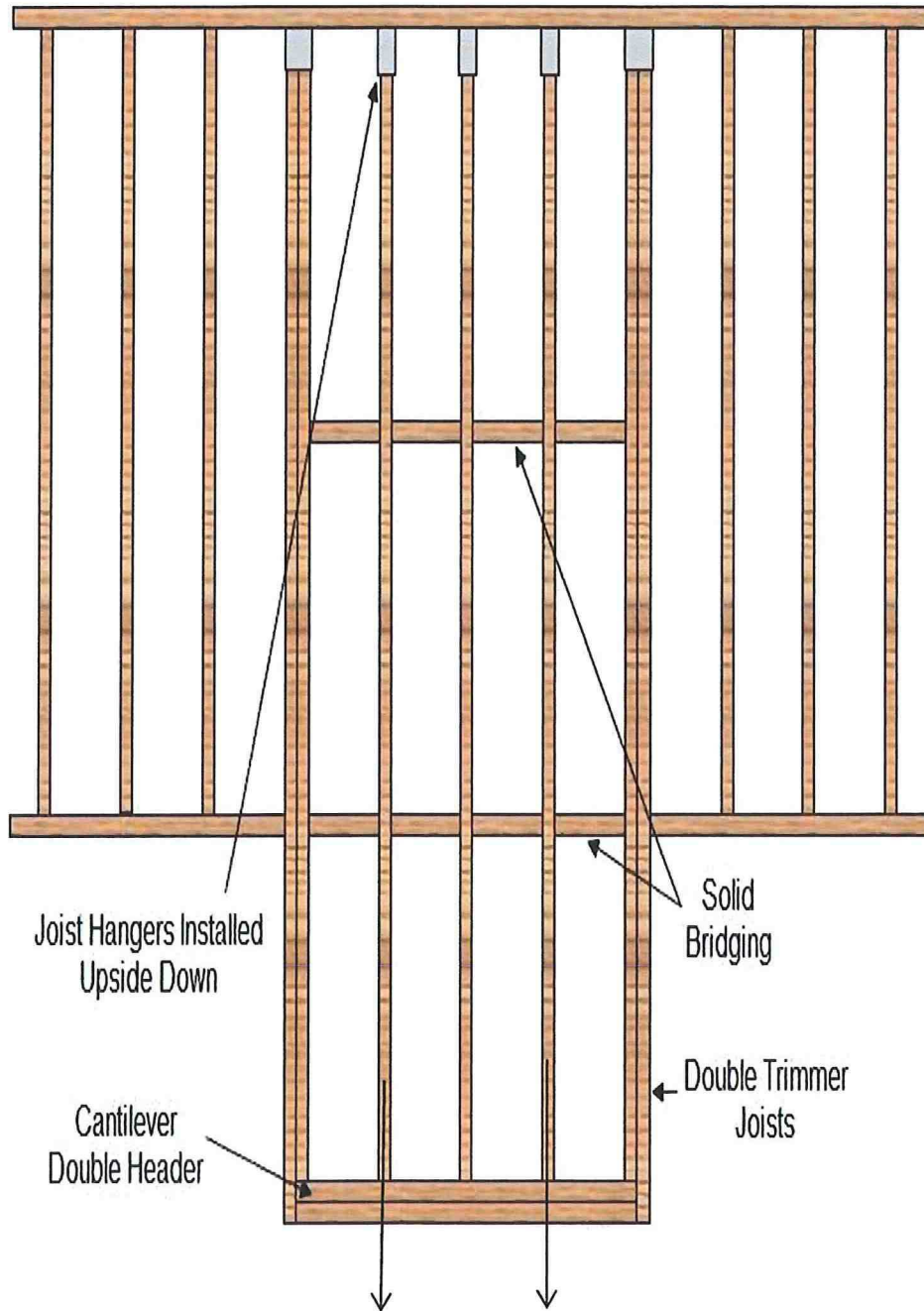


## Example poured concrete basement wall





# Cantilever Framing Parallel Joist



Joist Hangers Installed Upside Down

Solid Bridging

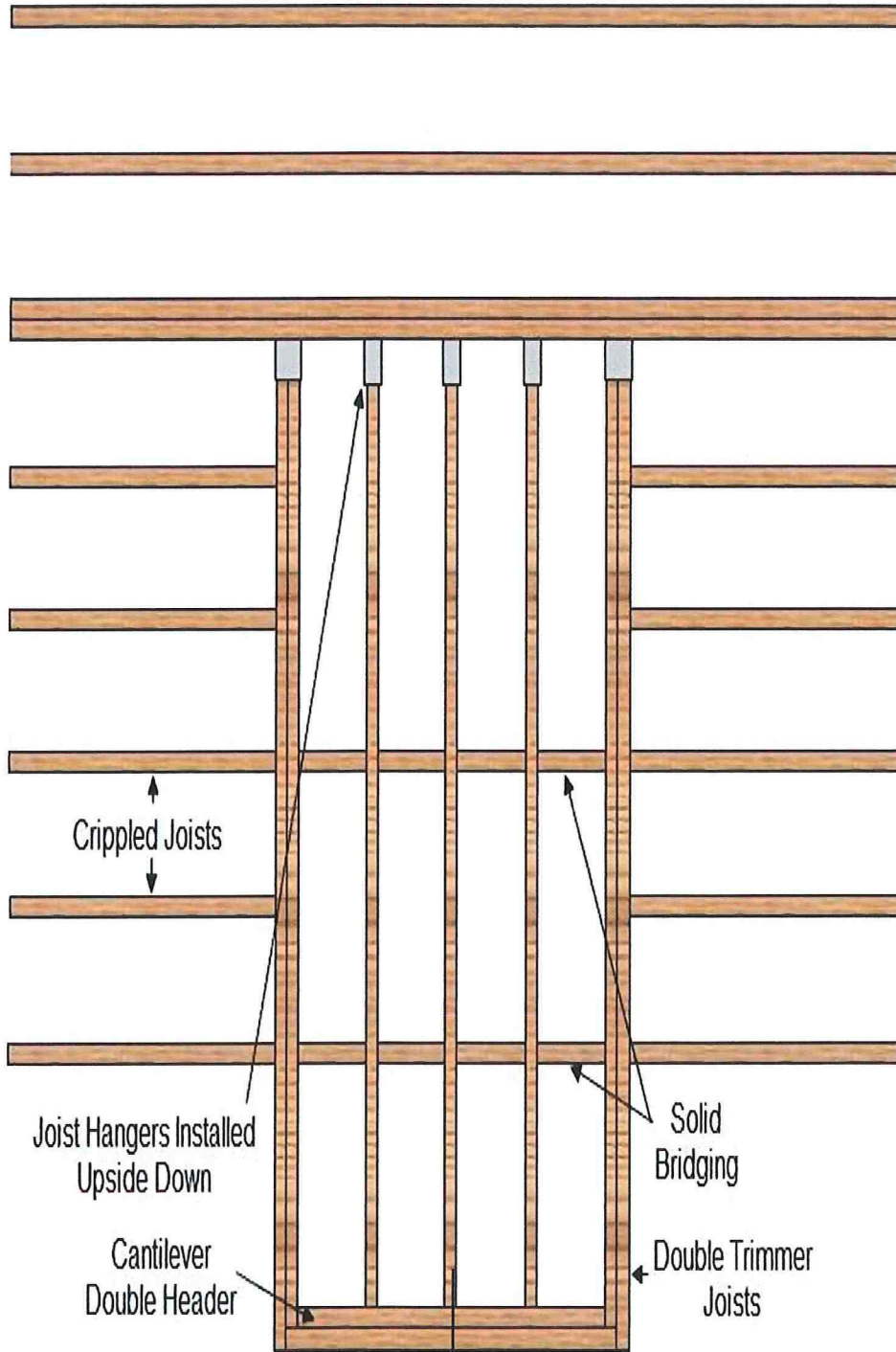
Double Trimmer Joists

Cantilever Double Header

Size Joist from Table 502.3.3(1) for Bearing wall and roof

Size joist from Table 502.3.3(2) for balcony

# Cantilever Framing Joist Perpendicular to floor joist



Size Joist from Table 502.3.3(1) for exterior wall and roof

↔ Size Joist from Table 502.3.3(2) for Balcony

**TABLE R502.3.3(1)**  
**CANTILEVER SPANS FOR FLOOR JOISTS SUPPORTING LIGHT-FRAME EXTERIOR BEARING WALL AND ROOF ONLY<sup>a,c,d,e,f</sup>**  
 (Floor Live Load ≤ 40 psf, Roof Live Load ≤ 20 psf)

Member & Spacing	Maximum Cantilever Span (Uplift Force at Backspan Support in Lbs.) <sup>g,h</sup>											
	Ground Snow Load											
	≤ 20 psf			30 psf			50 psf			70 psf		
	Roof Width		Roof Width	Roof Width		Roof Width	Roof Width		Roof Width	Roof Width		
	24 ft	32 ft	40 ft	24 ft	32 ft	40 ft	24 ft	32 ft	40 ft	24 ft	32 ft	40 ft
2 x 8 @ 12"	20" (177)	15" (227)	—	18" (209)	—	—	—	—	—	—	—	—
2 x 10 @ 16"	29" (228)	21" (297)	16" (364)	26" (271)	18" (354)	—	20" (375)	—	—	—	—	—
2 x 10 @ 12"	36" (166)	26" (219)	20" (270)	34" (198)	22" (263)	16" (324)	28" (277)	—	—	19" (356)	—	—
2 x 12 @ 16"	—	32" (287)	25" (356)	36" (263)	29" (345)	21" (428)	29" (367)	20" (484)	—	23" (471)	—	—
2 x 12 @ 12"	—	42" (209)	31" (263)	—	37" (253)	27" (317)	36" (271)	27" (358)	17" (447)	31" (348)	19" (462)	—
2 x 12 @ 8"	—	48" (136)	45" (169)	—	48" (164)	38" (206)	—	40" (233)	26" (294)	36" (230)	29" (304)	18" (379)

- For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound per square foot = 0.0479 kPa.
- Tabulated values are for clear-span roof supported solely by exterior bearing walls.
  - Spans are based on No. 2 Grade lumber of Douglas fir-larch, hem-fir, southern pine and spruce-pine-fir for repetitive (three or more) members.
  - Ratio of backspan to cantilever span shall be at least 3:1.
  - Connections capable of resisting the indicated uplift force shall be provided at the backspan support.
  - Uplift force is for a backspan to cantilever span ratio of 3:1. Tabulated uplift values are permitted to be reduced by multiplying by a factor equal to 3 divided by the actual backspan ratio provided (3/backspan ratio).
  - See Section R301.2.2.2.5, Item 1, for additional limitations on cantilevered floor joists for detached one- and two-family dwellings in Seismic Design Category D, D<sub>1</sub>, or D<sub>2</sub>, and townhouses in Seismic Design Category C, D, D<sub>1</sub>, or D<sub>2</sub>.
  - A full-depth rim joist shall be provided at the unsupported end of the cantilever joists. Solid blocking shall be provided at the supported end.
  - Linear interpolation shall be permitted for building widths and ground snow loads other than shown.

**TABLE R502.3.3(2)**  
**CANTILEVER SPANS FOR FLOOR JOISTS SUPPORTING EXTERIOR BALCONY<sup>a,b,c,d</sup>**

Member Size	Spacing	Maximum Cantilever Span (Uplift Force at Backspan Support in Lbs.) <sup>e</sup>		
		Ground Snow Load		
		≤ 30 psf	50 psf	70 psf
2 x 8	12"	42" (139)	39" (156)	34" (165)
2 x 8	16"	36" (151)	34" (171)	29" (180)
2 x 10	12"	61" (164)	57" (189)	49" (201)
2 x 10	16"	53" (180)	49" (208)	42" (220)
2 x 10	24"	43" (212)	40" (241)	34" (255)
2 x 12	16"	72" (228)	67" (260)	57" (268)
2 x 12	24"	58" (279)	54" (319)	47" (330)

- For SI: 1 inch = 25.4 mm, 1 pound per square foot = 0.0479 kPa.
- Spans are based on No. 2 Grade lumber of Douglas fir-larch, hem-fir, southern pine and spruce-pine-fir for repetitive (three or more) members.
  - Ratio of backspan to cantilever span shall be at least 2:1.
  - Connections capable of resisting the indicated uplift force shall be provided at the backspan support.
  - Uplift force is for a backspan to cantilever span ratio of 2:1. Tabulated uplift values are permitted to be reduced by multiplying by a factor equal to 2 divided by the actual backspan ratio provided (2/backspan ratio).
  - A full-depth rim joist shall be provided at the unsupported end of the cantilever joists. Solid blocking shall be provided at the supported end.
  - Linear interpolation shall be permitted for ground snow loads other than shown.

If cantilever does not fit in table parameters It must be designed and stamped by Georgia registered Engineer