

R38 ceiling insulation or meet Int. Energy Conservation Code; V.B. not required at vented space

Roof requires 40 psf live load design

**Allegany County Division of  
Permits and Land Development  
Services**

IRC Residential Information Graphic #5  
Revised January 14, 2003

**FOUNDATION CROSS-SECTION  
(No Scale)**

R16 wall insulation or meet International Energy Conservation Code

R19 floor insulation or meet Int. Energy Conservation Code (vapor barriers not required when space is vented; always place at warmed side if required)

Minimum 3" joist lap properly secured

Provide size and type of beam

Provide planned column type, size and spacing

Provide proposed size of footing (width and thickness)

Vapor barrier required for sub-grade cover

Unbalanced Fill -- maximum depth based on masonry wall thickness, grouting and reinforcement (see IRC Tables R404.1.1(1), (2), (3), & (4).

Footing projections shall be a min. of 2" and shall not exceed the footing thickness

4" crushed stone

**Footer thickness shall be a minimum of 6"**

Adequate load-bearing value of soil required per IRC 401.2

Column footing dimensions depend upon soil bearing value, and load as determined by # of stories, span of joists, spacing of columns, etc. Thickness shall be half the width unless re-inforced

Footer width as required by load-bearing value of soil – see IRC Table R403.1

Required slope of finished grade away from foundation is min. 6" fall in 10'

6" min. fin grade to top of foundation

min. 5% grade fall to 10' from foundation

3/8" portland cement parging, damp-proofing with bituminous coating, acrylic modified cement, surface bonding mortar or other per IRC 406

Crushed stone, filter membrane

Stone minimum 6" above footing

Perf. pipe at or below area to be protected

Min. 2" stone under pipe

Stone shall extend minimum of 12" beyond & 6" above footer

Minimum 12" beyond footing

Footer width as required by load-bearing value of soil – see IRC Table R403.1