1st through 11th PRINTING (July 19, 2019)

CHAPTER 4

FOUNDATIONS

TABLE R403.3(2)

AIR-FREEZING INDEX FOR U.S. LOCATIONS BY COUNTY

STATE	AIR-FREEZING INDEX					
	1500 or less	2000	2500	3000	3500	4000
Montana	Mineral	Broadwater, Golden Valley, Granite, Lake, Lincoln, Missoula, Ravalli, Sanders, Sweet Grass	Big Horn, Carbon, Jefferson, Judith Basin, Lewis and Clark, Meagher, Musselshell, Powder River, Powell, Silver Bow, Stillwater, Westland	Carter, Cascade, Deer Lodge, Falcon, Fergus, Flathead, ~~Gallanting~~ Gallatin, Glacier, Madison, Park, Petroleum, Ponder, Rosebud, Teton, Treasure, Yellowstone	Beaverhead, Blaine, Chouteau, Custer, Dawson, Garfield, Liberty, McCone, Prairie, Toole, Wibaux	Daniels, Hill, Phillips, Richland, Roosevelt, Sheridan, Valley

Portions of table not shown remain unchanged.

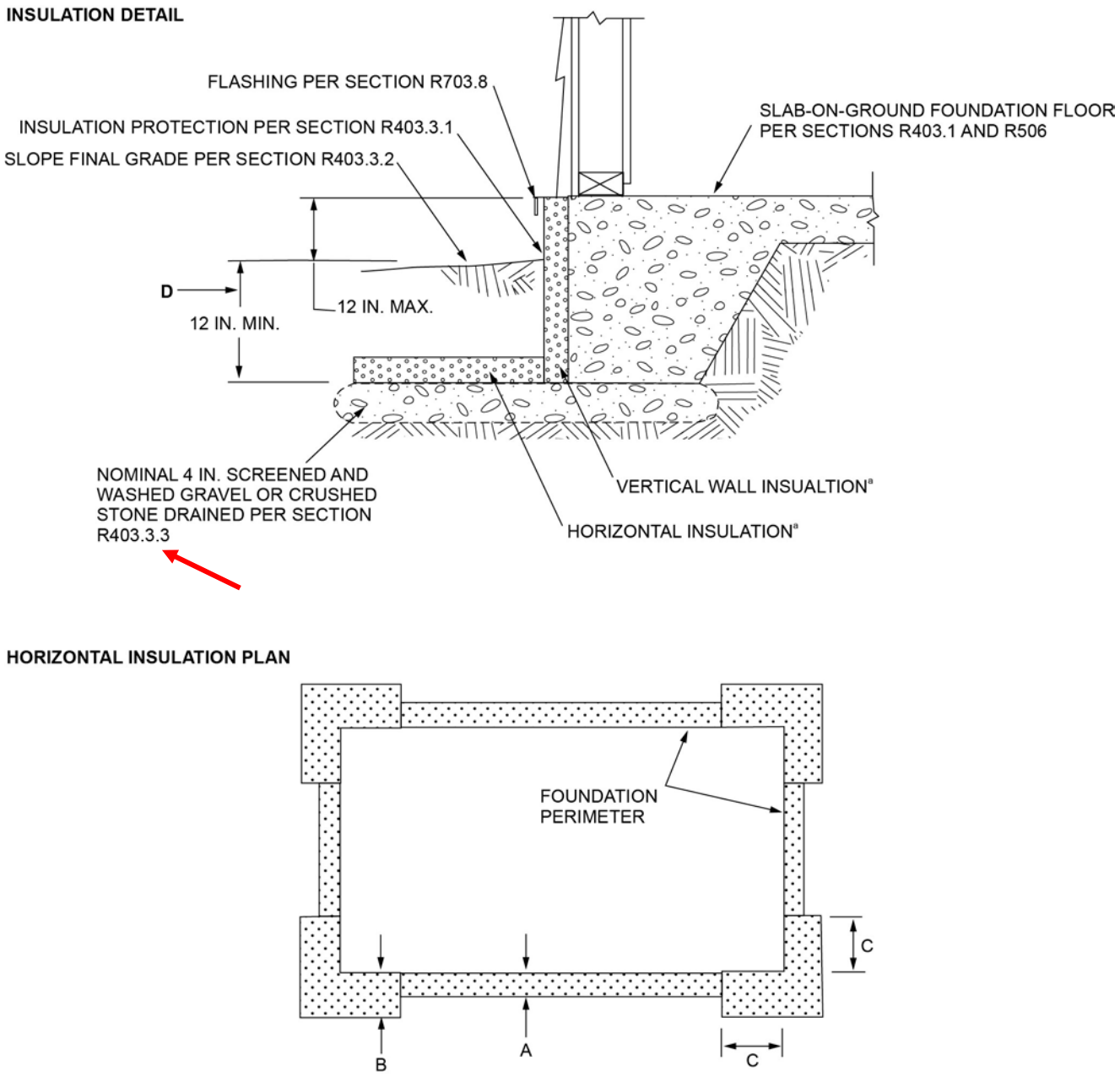
2009 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

1st through 9th PRINTING (November 7, 2014)

CHAPTER 4
FOUNDATIONS

FIGURE R403.3(1):



For SI: 1 inch = 25.4 mm.

a. See Table R403.3(1) for required dimensions and *R-values* for vertical and horizontal insulation and minimum footing depth

FIGURE R403.3(1)
INSULATION PLACEMENT FOR FROST PROTECTED FOOTINGS IN HEATED BUILDINGS

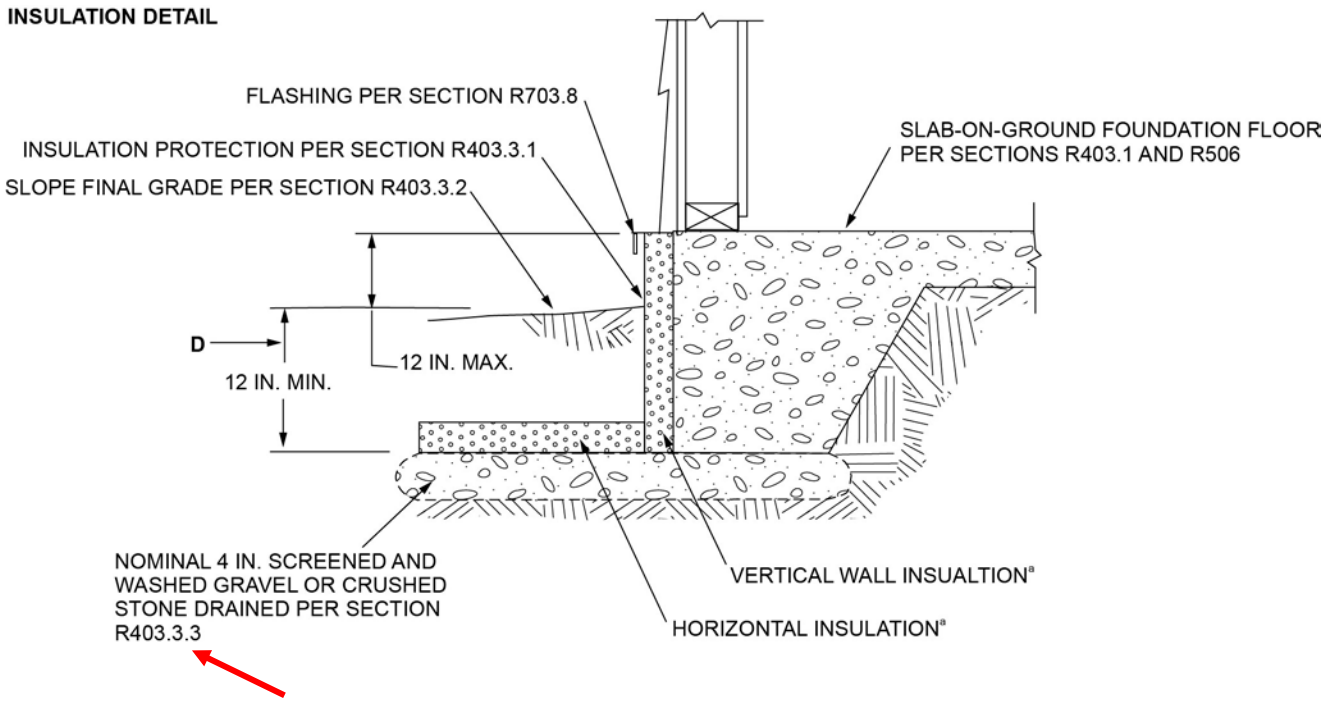
2009 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

1st through 9th PRINTING (November 3, 2014)

CHAPTER 4
FOUNDATIONS

FIGURE R403.3(1):



For SI: 1 inch = 25.4 mm.

a. See Table R403.3(1) for required dimensions and *R-values* for vertical and horizontal insulation and minimum footing depth

FIGURE R403.3(1)
INSULATION PLACEMENT FOR FROST PROTECTED FOOTINGS IN HEATED BUILDINGS

2009 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

1st through 7th PRINTING (12-04-2012)

CHAPTER 4
FOUNDATIONS

TABLE R403.4

TABLE R403.4
MINIMUM DEPTH OF CRUSHED STONE FOOTINGS (*D*), (inches)

		LOAD BEARING VALUE OF SOIL (psf)															
		1500				2000				3000				4000			
		MH, CH, CL, ML				SC, GC, SM, GM, SP, SW				GP, GW							
		Wall width (inches)				Wall width (inches)				Wall width (inches)				Wall width (inches)			
		6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12
Conventional light-frame construction																	
1-story	1100 plf	6	4	4	4	6	4	4	4	6	4	4	4	6	4	4	4
2-story	1800 plf	8	6	4	4	6	4	4	4	6	4	4	4	6	4	4	4
3-story	2000 plf	16	14	12	10	10	8	6	6	6	4	4	4	6	4	4	4
4-inch brick veneer over light-frame or 8-inch hollow concrete masonry																	
1-story	1500 plf	6	4	4	4	6	4	4	4	6	4	4	4	6	4	4	4
2-story	2700 plf	14	12	10	8	10	8	6	4	6	4	4	4	6	4	4	4
3-story	4000 plf	22	22	20	18	16	14	12	10	10	8	6	4	6	4	4	4
8-inch solid or fully grouted masonry																	
1-story	2000 plf	10	8	6	4	6	4	4	4	6	4	4	4	6	4	4	4
2-story	3600 plf	20	18	16	16	14	12	10	8	8	6	4	4	6	4	4	4
3-story	5300 plf	32	30	28	26	22	22	20	18	14	12	10	8	10	8	6	4

For SI: 1 inch = 25.4 mm, 1 pound per square inch = 6.89 kPa.

1 plf = 14.6 N/m 1 pounds per square foot = 47.9 N/m^2

2009 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

1st through 6th PRINTING (Posted: 06-06-12)

CHAPTER 4
FOUNDATIONS

R404.1.2.2 Reinforcement for foundation walls. Concrete…..Vertical reinforcement for flat basement walls…in accordance with Table R404.1.2~~(9)~~ (8). For *basement* walls….

2009 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

1st through 5th PRINTING (9-19-2011)

CHAPTER 4
FOUNDATIONS

R403.1.8 Foundations on expansive soils. Foundation and floor slabs for buildings located on expansive soils shall be designed in accordance with Section ~~1805.8~~ 1808.6 of the *International Building Code* .

2009 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

1st through 4th PRINTING (JULY 14, 2011)

CHAPTER 4
FOUNDATIONS

TABLE R404.1.1(3)
10-INCH MASONRY FOUNDATION WALLS WITH REINFORCING….

1st and 2nd PRINTING (JULY 14, 2011)

CHAPTER 4
FOUNDATIONS

FIGURE R403.1.7.1
FOUNDATION CLEARANCE FROM SLOPES

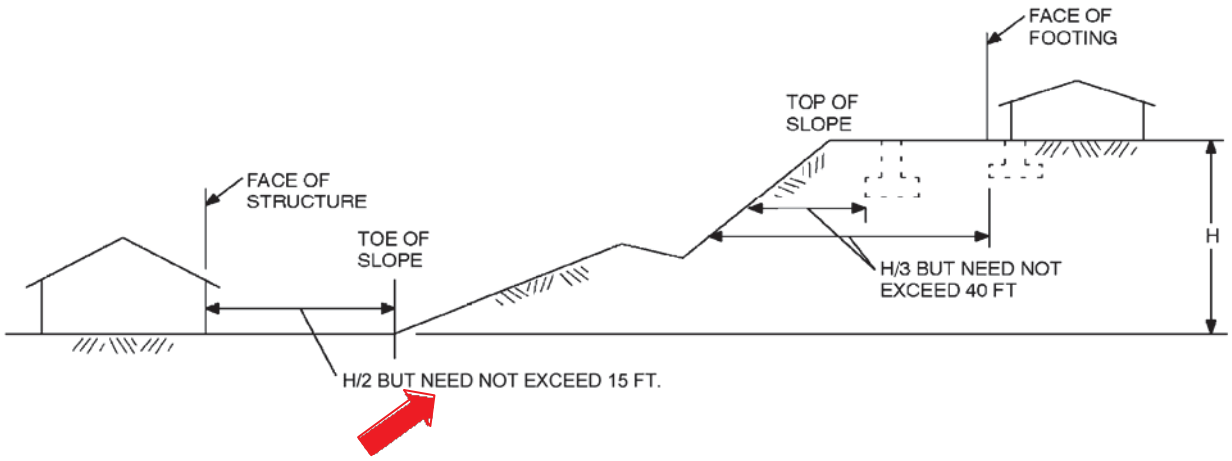


TABLE R403.4
MINIMUM DEPTH OF CRUSHED STONE FOOTINGS (*D*), (inches)

		LOAD BEARING VALUE OF SOIL (psf)															
		1500				2000				3000				4000			
		MH, CH, CL, ML				SC, GC, SM, GM, SP, SW				GP, GW							
		Wall width (inches)				Wall width (inches)				Wall width (inches)				Wall width (inches)			
		6	8	10	12	6	8	10	12	6	8	10	12	6	8	10	12
Conventional light-frame construction																	
1-story	1100 plf	6	4	4	4	6	4	4	4	6	4	4	4	6	4	4	6
2-story	1800 plf	8	6	4	4	6	4	4	4	6	4	4	4	6	4	4	4
3-story	~~2000~~ 2900 plf	16	14	12	10	10	8	6	6	6	4	4	4	6	4	4	4

2009 International Residential Code Errata

(Portions of text and tables not shown are unaffected by the errata)

1st and 2nd PRINTING (SEPTEMBER 14, 2009)

CHAPTER 4
FOUNDATIONS

R404.1.1 Design of masonry foundation walls. Masonry foundation walls ……accordance with the provisions of ~~ACI530/ASCE 5/TMS 402~~ TMS402/ACI 530/ASCE 5 or NCMA TR68ŦA. When ~~ACI530/ASCE 5/TMS 402~~ TMS 402/ACI 530/ASCE 5, NCMA TR68ŦA or the provisions ……

R404.1.2.3.7.2 Location of reinforcement in wall. The center of vertical reinforcement in *basement* walls determined from Tables ~~R404.1.2(3)~~ R404.1.2 (2) through R404.1.2(7) shall be located at the centerline of the wall. Vertical reinforcement in *basement* walls determined from Table~~s R404.1.2(2) or~~ R404.1.2(8) shall be located ……