



2" VERTICAL RIGID INSULATION AROUND PERIMETER (R-10)

BUILDING ENVELOPE COMPLIES WITH MN ENERGY CODE

FLASHING, R703.8

VERTICAL INSULATION PROTECTION TO 6" BELOW GRADE, 1322.0303.2.1

2x6 SILL PLATE W/ 1/2" DIA. x 10" LONG ANCHOR BOLT W/ MIN. 7" EMBEDMENT AT MAX. 6'-0" O.C. (R403.16), OR APPROVED EQUAL, MAX. SILL PLATE CANTILEVER = 1'-1/2"

HORIZONTAL INSULATION PROTECTION, R403.3.2

MIN. 16" x 16" CONTINUOUS PERIMETER GRADE BEAM REINFORCED W/ MIN. (2) - #4 BARS TOP AND BOTTOM,

SLOPE GRADE 6" IN 10'-0", R401.3

6" MIN. GRADE

1-1/2" 12

12" 4" 16" MIN.

DRAIN TILE OR GRAVEL DRAINAGE SYSTEM AROUND PERIMETER, DRAIN TO DAYLIGHT, R403.3.3

MIN. 2" RIGID INSULATION AROUND PERIMETER, EXTEND OUT 4'-0", DOUBLE THICKNESS AT CORNERS, EXTEND 4'-0" IN EACH DIRECTION, TYPICAL, RECOMMENDED, TABLE R403.3(1)

PASSIVE RADON SYSTEM (1303.2402); SEE RADON HANDOUT FOR EXPLANATION OF OPTION No. 1, OPTION No. 2 OR OPTION No. 3

2" RIGID INSULATION ALLOWED BELOW THE SLAB AND GRADE BEAM, 6 MIL VAPOR RETARDER (OR EQUIV.), LAP 12" MIN., 1303.2402, Subp. 2

MIN. 4" COMPACTED SAND BASE, 1303.2402, Subp. 1

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GRADE BEAM - FROST PROTECTED SHALLOW FND. NOT TO SCALE

1. THIS DETAIL IS A GENERAL GUIDELINE ONLY. FOUNDATION CONSTRUCTION SHALL COMPLY W/ CHAPTER 4 OF THE 2015 MINNESOTA STATE BUILDING CODE, CHAPTER 1309
2. FOUNDATION INSULATION SHALL COMPLY W/ THE 2015 MINNESOTA RESIDENTIAL ENERGY CODE, CHAPTER 1322, TABLE 1322.0402.1.1

NOTE:
ALL ORGANICS MUST BE REMOVED, ALLOWABLE SOIL BEARING MUST MEET A MIN. OF 1,500 PSF, TABLE R401.4.1