



Cross Section Construction Guidelines

Community Development Department - Construction Permits and Inspection Services
215 Sycamore St Muscatine, IA 52761 - PH 563.262.4141 - FAX 563.262.4142
www.muscatineiowa.gov/26/Community-Development

2015 International Residential Code

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Cross Section Drawing

Check, circle, or fill in each detail to create your building design.

ROOF DESIGN

Ice and Water Barrier (to 24" inside wall line)
+ Felt

Roof Sheathing (Circle): 7/16" or 1/2"
OSB or Plywood

2 X _____ Rafters _____ on center
2 X _____ Ceiling Joists _____ on center
Hip/Valley Rafters _____
— or —

Manufactured Trusses (Provide Mfgr. Specs.
at or before Rough Frame Inspection)

Roof Ventilation: Total Vent Area in Sq. Inches: _____

ROOF SLOPE
_____ Inches 12 inches

Attic Insulation: Minimum R49

WALL DESIGN

Double Top Plate (Circle): 2X4 or 2X6
(Consult Building Department Staff for Single Top Plate Option)

Window Header: 2 X _____ — or — LVL 1 3/4" X _____

Door Header: 2 X _____ — or — LVL 1 3/4" X _____

Studs (Circle): 2X4 or 2X6 at _____ on center

Bottom Plate (Single) — Same as Top Plates

Wall Sheathing: _____

Weather Barrier (Circle): House Wrap or Felt

Siding: _____

Sill Plate (Circle): 2X6 or 2X8

(Must be Treated or Naturally Decay Resistant)

FOUNDATION DESIGN

1/2" X 10" Anchor Bolt, Washer and Nut (or other approved anchors), 6' on center and 12" max. from plate splices.
Anchor Bolt MUST have 7" embedment in concrete.

Foundation Rebar (size, grade, location): _____

UFER Ground (1/2" X 20' Rebar Typical) for
connection to new electrical panel

Foundation Depth — 42" minimum below finished grade

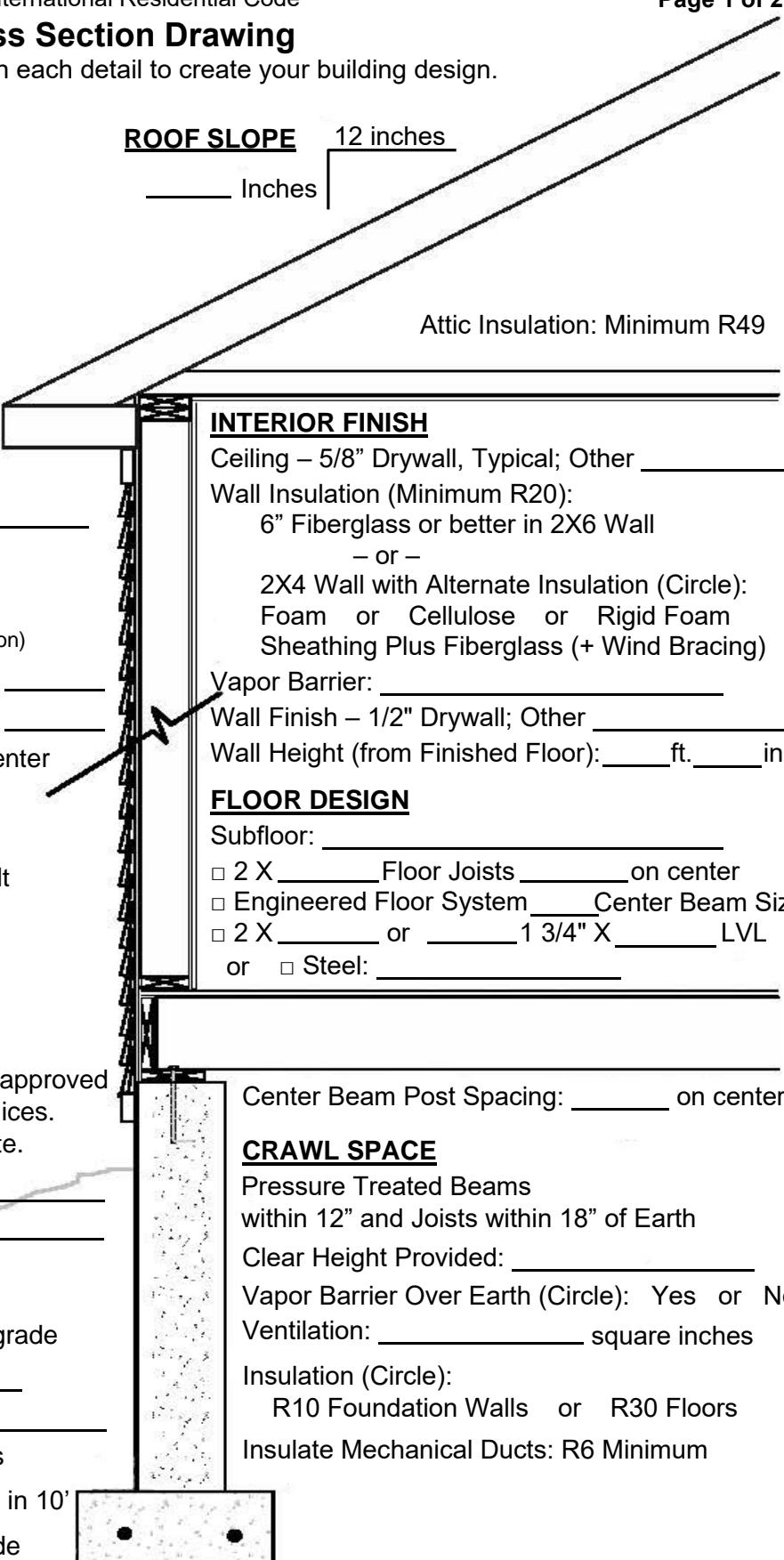
Footing Size: 8"X16" minimum or _____

Foundation Wall Width: _____ Height: _____

Drainage Tile Required for Basement Foundations

Slope Finished Grade Away from Building—min. 6" in 10'

Maintain 6" Clearance from Exterior Siding to Grade





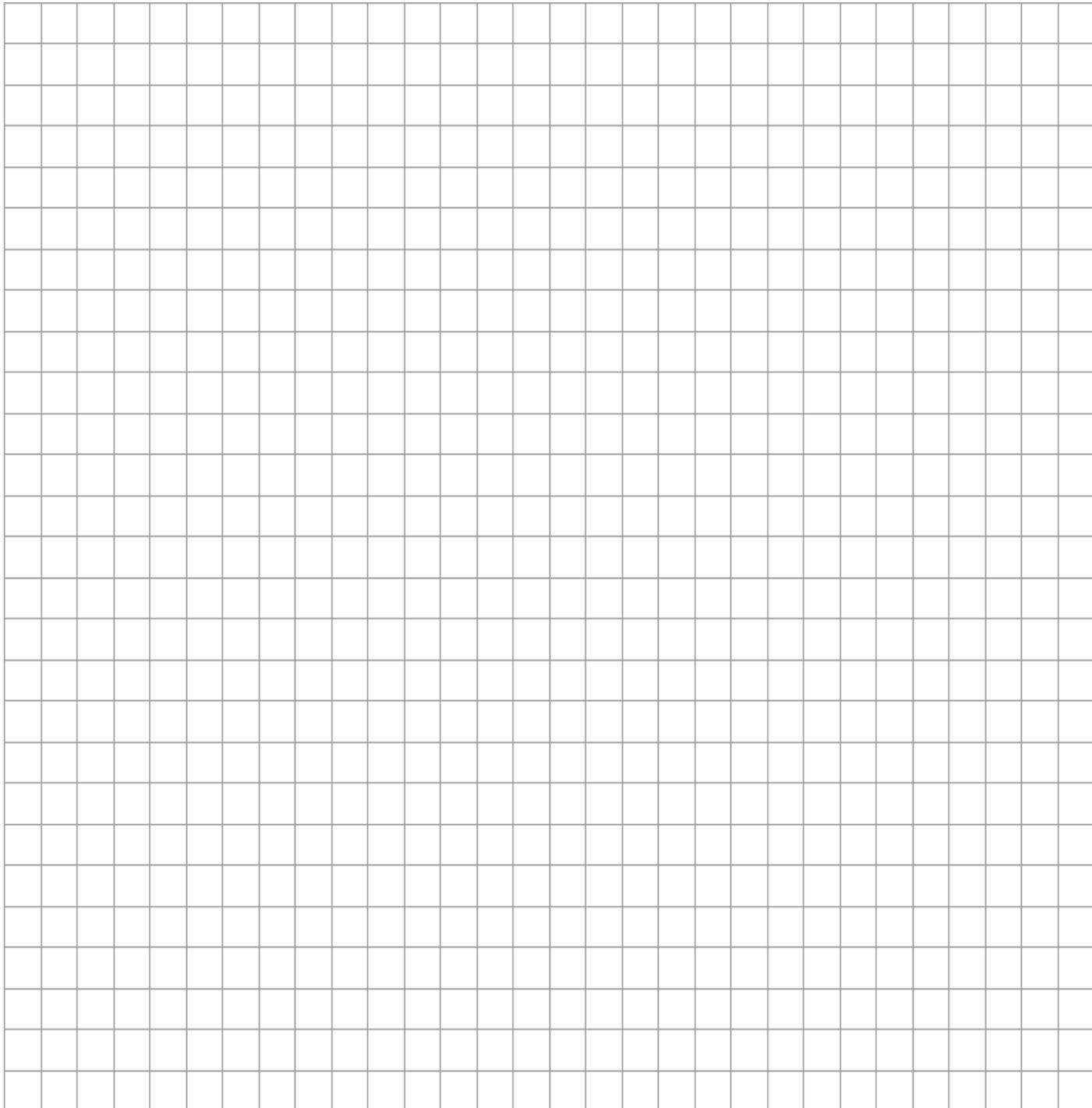
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Cross Section Drawing 1/4 inch = 1 foot



$\frac{1}{4}$ " = 1 foot