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: ______

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

CRAWL SPACE

Pressure Treated Beams within 12” and Joists within 18” of Earth
- Clear Height Provided: ________________
- Vapor Barrier Over Earth (Circle): Yes or No
- Ventilation: _____________ square inches
- Insulation (Circle):
  - R10 Foundation Walls or R30 Floors
  - Insulate Mechanical Ducts: R6 Minimum

INTERIOR FINISH

- Ceiling – 5/8” Drywall, Typical; Other ______
- Wall Insulation (Minimum R20):
  - 6” Fiberglass or better in 2X6 Wall
  - or –
  - 2X4 Wall with Alternate Insulation (Circle):
    - Foam or Cellulose or Rigid Foam Sheathing Plus Fiberglass (+ Wind Bracing)
- Vapor Barrier: __________________________
- Wall Finish – 1/2” Drywall; Other ______
- Wall Height (from Finished Floor): _____ ft. _____ in.

FLOOR DESIGN

- Subfloor: __________________________
- 2 X _______Floor Joists _______ on center
- Engineered Floor System____ Center Beam Size
- 2 X _______ or _______ 1 3/4” X _______ LVL
- or –
- Steel: __________________________

Center Beam Post Spacing: ________ on center
Cross Section Drawing 1/4 inch = 1 foot

\[ \frac{1}{4}'' = 1 \text{ foot} \]