

# Cross Section

(Check, Circle, or Fill In Each Detail to Create your Building Design)

Jersey County Building  
Division

## 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 \_\_\_\_\_ o.c.

Hip/Valley Rafters \_\_\_\_\_  
- or -

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

Roof Ventilation: Total Vent Area in Square  
Inches \_\_\_\_\_

## WALL DESIGN

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

Window Header: \_\_\_\_\_ 2X \_\_\_\_\_ - or - \_\_\_\_\_ LVL 1  $3/4'$  X \_\_\_\_\_

Door Header: \_\_\_\_\_ 2X \_\_\_\_\_ - 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.

#4 ( $1/2"$ ) rebar-minimum 12" long spa. 12" from all  
corners & @ min. 24" centers, or 2"x2" keyway

UFER Ground ( $1/2'$  X 20 ft. Rebar, Typical) for  
Connection to New Electrical Panel

Foundation Depth - 40" Min. Below Finished Grade

Footing Size - 8"X 24" (Min.) or \_\_\_\_\_

Foundation Wall Width \_\_\_\_\_, Height \_\_\_\_\_

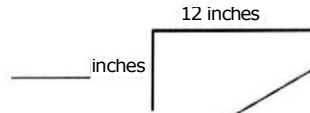
Drainage Tile Required For Basement Foundations or  
Form a drain style drains.

Slope Finished Grade Away from Building -  
Min. 6" in 10'

Maintain 6" Clearance from Exterior Siding to Grade

2 rows rebar as follows 2- #4 -  $1/2"$  rebar  
continuous-equal spacing from floor

## ROOF SLOPE



Attic Insulation:  
Minimum R49

## 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  
- or -

Engineered Floor System  
\_\_\_\_\_ Center Beam Size:

\_\_\_\_\_ 2 X \_\_\_\_\_ - or -  \_\_\_\_\_ 1  $3/4"$  X \_\_\_\_\_ LVL  
- or -  Steel: \_\_\_\_\_

Center Beam Post Spacing: \_\_\_\_\_ On Center

## CRAWL SPACE

Pressure Treated Beams within 12" and Joists  
Within 18" of Earth

Clear Height Provided: \_\_\_\_\_

6 Mil Vapor Barrier Over Earth

Ventilation: \_\_\_\_\_ Square Inches

Insulation (Circle): Foundation Walls

Foundation: R15 continuous or R19 Cavity or  
R30 Floors

Insulate Mechanical Ducts: R6 Minimum

$1/4'' = 1$  foot

