NORTH FAYETTE TOWNSHIP

COMMUNITY DEVELOPMENT DEPARTMENT

QUICK GUIDE FOR A RESIDENTIAL ROOF PERMIT

IMPORTANT ROOF DETAILS

- Screws are not permitted to be used in any type of metal connectors (i.e. hurricane clips, joist hangers, beam to post connectors) unless they are an approved structural screw. Use joist hanger nails, minimum 10D nails or nails approved by manufacturer for product being used.
- Fasteners used with treated wood must be galvanized or stainless steel.
- Roofs may not be attached to manufactured dwellings in any way.
- Roof ledger boards cannot be attached to or through brick veneer. Please ask the building code official for details if attaching to concrete or block wall.
- Footings do not need to extend to the frost line depth of 36" if solid rock is encountered.
- The minimum roof slope for shingles is 2:1 pitch.
- Snow/Ice guard needs to be used if the roof will be enclosed.
- Rafters for a cathedral ceiling need to be supported with 1"X4" collar ties at a maximum 4' apart.

RAFTER SPANS

2X6 at 12"o.c. – 13'9"

2X6 at 16"o.c. – 11'11"

2X6 at 24"o.c. – 9'9"

2X8 at 12"o.c. – 17'5"

2X8 at 16"o.c. – 15'1"

2X8 at 24"o.c. – 12'4"

2X10 at 12"o.c. – 21'4"

2X10 at 16"o.c. – 18'5"

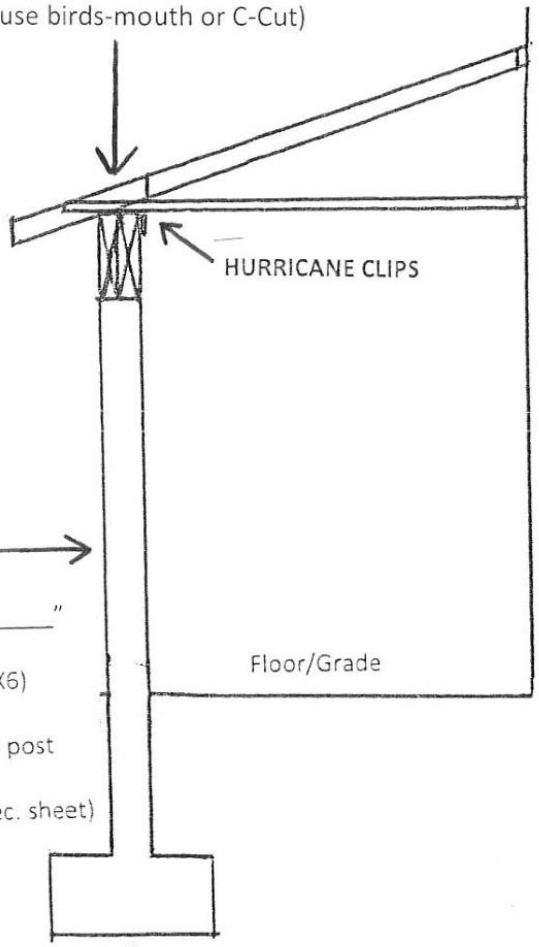
2X10 at 24"o.c. – 15'1"

SHED STYLE ROOF

THIS DRAWING IS NOT TO SCALE

Rafters must bear a minimum 1 ½" on beams

(Must use birds-mouth or C-Cut)



POST

Size ____"X_____"

(4X4, 4X6, 6X6)

or structural post

(Provide spec. sheet)

FOOTER

Round _____ " Diamter or square ____"X_____"

Thickness under post_____"

Depth_____(Minimum 3')

or provide support information _____

(Note: If roof post will be on a deck they will need to be located directly over the deck post with blocking.)

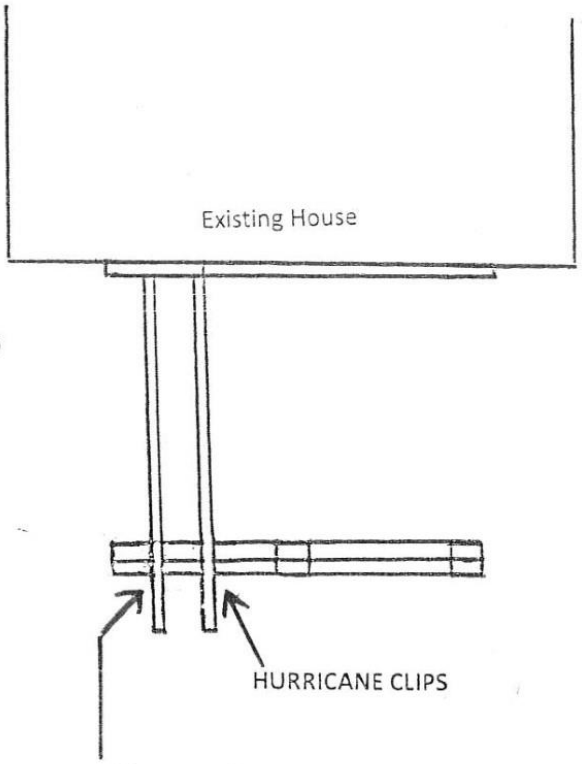
RAFTERS/TRUSSES

Rafter Size _2_X___" @ ____"o.c.

Span _____'_____" (See chart)

or trusses @ _____"o.c.

(Note: Must provide roof truss specs. at frame inspection.)



Rafters must bear a minimum 1 ½" on beams

(Must use birds-mouth or C-Cut)

BEAMS

Double _2_X____"

Span ____'_____"

(See chart with deck details)

or LVL Beams

Ply No._____

BEAM TO POST CONNECTION METHOD

Refer to deck details for options and circle choice

or circle here for structural post brackets

(Provide spec. sheet for post brackets)

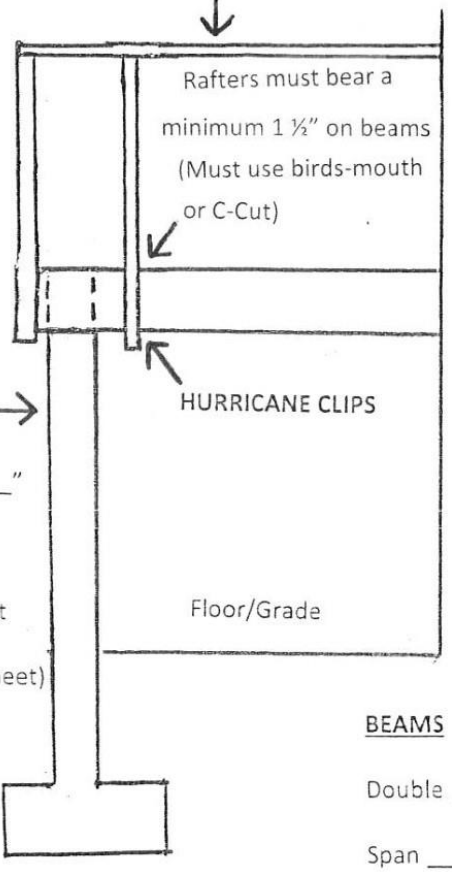
GABLE STYLE ROOF

THIS DRAWING IS NOT TO SCALE

RIDGE BOARD

_2_X_____" Span____'_____"

(Note: Ridge board needs to be minimum 1 size larger than rafters.)



POST

Size ____"X_____"

(4X4, 4X6, 6X6)

or structural post

(Provide spec. sheet)

FOOTER

Round _____ " Diamter or square ____"X_____"

Thickness under post_____"

Depth_____(Minimum 3')

or provide support information _____

(Note: If roof post will be on a deck they will need to be located directly over the deck post with blocking.)

RAFTERS/TRUSSES

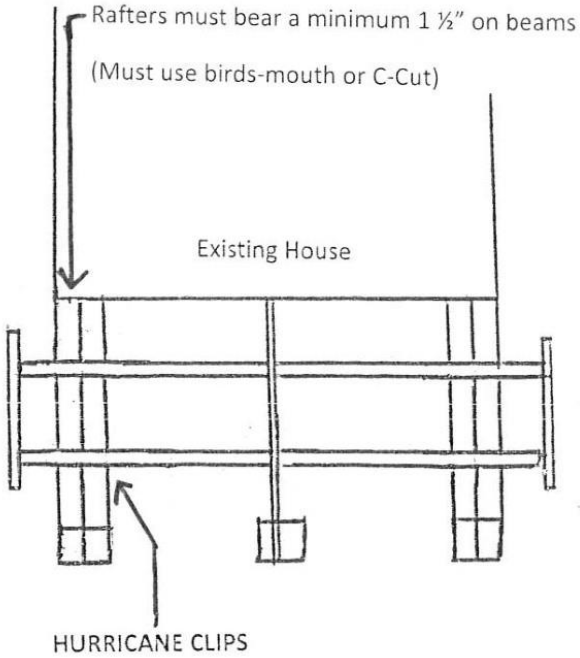
Rafter Size _2_X___" @ ____"o.c.

Span _____'_____" (See chart)

or trusses @ _____"o.c.

(Note: Must provide roof truss specs. at frame inspection.)

RAFTERS/TRUSSES



BEAMS

Double _2_X____"

Span ____'_____"

(See chart with deck details)

or LVL Beams

Ply No._____

BEAM TO POST CONNECTION METHOD

Refer to deck details for options and circle choice

or circle here for structural post brackets

(Provide spec. sheet for post brackets)

BEAM SUPPORT AT HOUSE SIDE

Circle option:

a. In-fill existing wall with studs for beam pocket
b. Blocking and joist hangers at framed wall
c. Support post with proper bearing under neath
d. Other:_____