

# 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.

**TABLE R602.7(3)**  
**GIRDER AND HEADER SPANS<sup>a</sup> FOR OPEN PORCHES**  
*(Maximum span for Douglas fir-larch, hem-fir, southern pine and spruce-pine-fir<sup>b</sup>)*

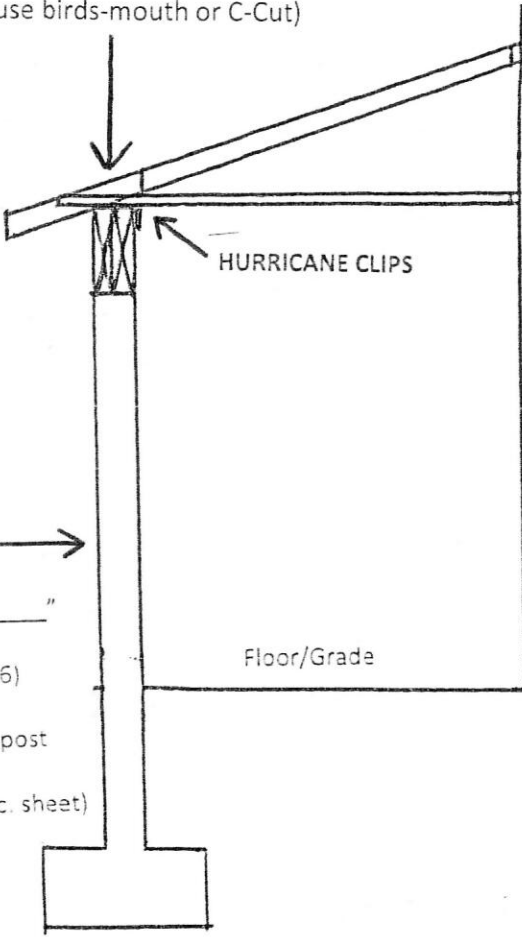
SIZE	SUPPORTING ROOF					
	GROUND SNOW LOAD (psf)					
	30		50		70	
	DEPTH OF PORCH <sup>c</sup> (feet)					
	8	14	8	14	8	14
2-2 x 6	7-6	5-8	6-2	4-8	5-4	4-0
2-2 x 8	10-1	7-7	8-3	6-2	7-1	5-4
2-2 x 10	12-4	9-4	10-1	7-7	8-9	6-7
2-2 x 12	14-4	10-10	11-8	8-10	10-1	7-8

#### 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"

THIS DRAWING IS NOT TO SCALE

Rafters must bear a minimum 1 1/2" on beams  
(Must use birds-mouth or C-Cut)



**POST** →  
Size \_\_\_\_"X\_\_\_\_"  
(4X4, 4X6, 6X6)  
or structural post  
(Provide spec. sheet)

HURRICANE CLIPS

Floor/Grade

**FOOTER** →  
Round \_\_\_\_" Diameter 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.)

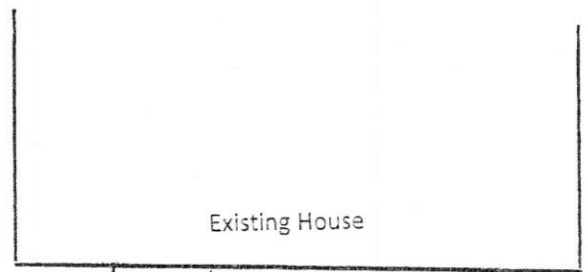
RAFTERS/TRUSSES

Rafter Size 2 X \_\_\_\_" @ \_\_\_\_"o.c.

Span \_\_\_\_' \_\_\_\_" (See chart)

or trusses @ \_\_\_\_"o.c.

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



Existing House

RAFTERS/TRUSSES



HURRICANE CLIPS

Rafters must bear a minimum 1 1/2" 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)

