

FLOOR PLAN  
NAPOLITANO ADDITION  
6 SAMUEL RD. PORTLAND, ME

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Revisions:

- 5/13/14 EXPANDED GARAGE, MOVED SCREEN PORCH
- 6/2/14 MOVED GARAGE BRK AND CHANGED BRK TO ORIG. FOOTPRINT, REDUCED PITCH
- 6/4/14 added 2x18" joig to right side back

Date : 4/22/14

Scale : 1/4"=1'-0"

Drawn By: TMS

Project: A041414

Sheet Number:

TABLE R502.5(1)  
GIRDER SPANS\* AND HEADER SPANS\* FOR EXTERIOR BEARING WALLS  
(Maximum spans for Douglas fir-larch, hem-fir, southern pine and spruce-pine-fir\* and required number of jack studs)

GIRDERS AND HEADERS SUPPORTING	SIZE	SIZE GROUND* SNOW LOAD (psf)					
		50					
		Building Width* (feet)					
		20		28		36	
Span	NJ#	Span	NJ#	Span	NJ#	Span	NJ#
Roof and ceiling	2-2x4	3-2	1	2-9	1	2-6	1
	2-2x6	4-8	1	4-1	1	3-8	2
	2-2x8	5-11	2	5-2	2	4-7	2
	2-2x10	7-3	2	6-3	2	5-7	2
	2-2x12	8-5	2	7-3	2	6-6	2
	3-2x8	7-5	1	6-5	2	5-9	2
	3-2x10	9-1	2	7-10	2	7-0	2
	3-2x12	10-7	2	9-2	2	8-2	2
	4-2x8	8-4	1	7-5	1	6-8	1
	4-2x10	10-6	1	9-1	2	8-2	2
Roof, ceiling and over center-bearing floor	2-2x4	2-9	1	2-5	1	2-2	1
	2-2x6	4-1	1	3-7	2	3-3	2
	2-2x8	5-2	2	4-6	2	4-1	2
	2-2x10	6-4	2	5-6	2	5-0	2
	2-2x12	7-4	2	6-5	2	5-9	3
	3-2x8	6-5	2	5-8	2	5-1	2
	3-2x10	7-11	2	6-11	2	6-3	2
	3-2x12	9-2	2	8-0	2	7-3	2
	4-2x8	7-5	1	6-6	1	5-11	2
	4-2x10	9-7	2	8-0	2	7-2	2
Roof, ceiling and one clear span floor	2-2x4	2-7	1	2-3	1	2-0	1
	2-2x6	3-10	2	3-4	2	3-0	2
	2-2x8	4-10	2	4-2	2	3-9	2
	2-2x10	5-11	2	5-1	2	4-7	3
	2-2x12	6-10	2	5-11	3	5-4	3
	3-2x8	6-1	2	5-3	2	4-8	2
	3-2x10	7-5	2	6-5	2	5-9	2
	3-2x12	8-7	2	7-5	2	6-8	2
	4-2x8	7-0	1	6-1	2	5-5	2
	4-2x10	8-7	2	7-5	2	6-7	2
4-2x12	9-11	2	8-7	2	7-8	2	

For SI: 1 inch=25.4mm, 1 pound per square foot=0.0479kN/m<sup>2</sup>

- a. Spans are given in feet and inches.
- b. Tabulated values assume #2 grade lumber.
- c. Building width is measured perpendicular to the ridge. For widths between those shown, spans are permitted to be interpolated.
- d. NJ-Number of jack studs required to support each end. Where the number of required jack studs equals one, the header is permitted to be supported by an approved framing anchor attached to the full-height wall stud and to the header.
- e. Use 30psf ground snow load for cases in which ground snow load is less than 30psf and the roof live load is equal to or less than 20psf

