| TABLE R502.5(1) GIRDER SPANS[a] AND HEADER SPANS[a] FOR EXTERIOR BEARING WALLS (Maximum spans for Douglas fir-larch, hem-fir,southern pine and spruce-pine-fir[b] and required number of jack studs) | | | | | | | |
|---|---|---|---|---|---|---|---|
| GIRDERS AND HEADERS SUPPORTING | SIZE | SIZE GROUND[e] SNOW LOAD (psf) | | | | | |
| | | 50 | | | | | |
| | | Building Width[c] (feet) | | | | | |
| | | 20 | | 28 | | 36 | |
| | | Span | NJ[d] | Span | NJ[d] | Span | NJ[d] |
| 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 |
| | 4-2x12 | 12-2 | 2 | 10-7 | 2 | 9-5 | 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 |
| | 4-2x12 | 10-7 | 2 | 9-3 | 2 | 8-4 | 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/$m^2$

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

NOTE:

SMOKE ALARMS SHALL BE INTERCONNECTED & INSTALLED IN THE FOLLOWING LOCATIONS;

1. EACH SLEEPING AREA
2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM.
3. ON EACH ADDITIONAL STORY OF THE DWELLING INCLUDING BASEMENT.
4. FIRE SEPARATION PER TOWN OR LOCAL CODE WHEN REQUIRED.

* DENOTES EGRESS WINDOW

CONSTRUCTION NOTE:

CONTRACTOR TO VERIFY GRADE AND ALL DIMENSIONS IN FIELD BEFORE STARTING NEW CONSTRUCTION. DESIGN SHOWN MAY DIFFER FROM ACTUAL FINISHED CONSTRUCTION. FINAL MATERIALS, WINDOW/DOOR LOCATIONS AND SIZES, TO BE DETERMINED PER OWNER/CONT. OR LOCAL CODES.

1st FLOOR PLAN

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 07/07/14

Noteworthy Designs
Residential Designs with voice in Mind
T.J. Sylvester
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Designing homes since 2000

# FLOOR PLAN
# NAPOLITANO ADDITION
# 6 SAMUEL RD. PORTLAND, ME

CUSTOMERS SHOULD APPRECIATE THAT THIS INFORMATION IS NOT THE PRODUCT OF AN ARCHITECT. NEITHER NOTEWORTHY DESIGNS NOR ANY OF ITS EMPLOYEES ARE REGISTERED ARCHITECTS AND CUSTOMERS MAY WANT TO CONSULT WITH AN ARCHITECT BEFORE TAKING FINAL ACTION WITH REGARD TO ANY BUILDING OR STRUCTURE. CUSTOMERS SHOULD ALSO APPRECIATE THAT, BY PROVIDING CUSTOMERS WITH THIS INFORMATION, NOTEWORTHY DESIGNS DOES NOT GUARANTEE THE SOUNDNESS OR SUITABILITY OF THE INFORMATION FOR ANY PURPOSE OF THE CUSTOMER.

Revisions:

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

Date : 4/22/14

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

Drawn By: TMS

Project: A041414

Sheet Number:

2-of-4