

INTERIOR BEARING WALLS  Spruce-pine-fir <sup>b</sup> and required number of Building Width <sup>c</sup> (1)  20 28  Span NJ <sup>d</sup> Span NJ <sup>d</sup> 3-1 1 2-8 1  4-6 1 3-11 1  5-9 1 5-0 2  7-0 2 6-1 2  8-1 2 7-0 2  8-1 2 7-0 2  10-2 2 1 6-3 1  11-9 1 10-2 2  11-9 1 10-2 2  4-11 2 4-3 2  5-1 2 4-3 2  5-1 2 5-4 2  7-2 2 6-3 2  7-2 2 6-3 2  7-2 2 6-2 2  8-4 7 7-2 7				
TABLE R502.5(2)  HEADER SPANS° FOR INTERIOR BEARING WALLS  SIZE  SIZE  Building Width° (feet)  20 28 36 SIZE  Span NJd Span NJd Span NJd 2-2x6 2-2x10 2-2x12 3-2x12 3-2x12 4-2x13 3-2x12 4-2x12 4-2x12 4-2x12 4-2x12 3-2x4 2-2x4 2-2x4 3-1 1 2-8 1 2-5 1 2-8 1 2-5 1 3-6 1 3-11 1 3-6 1 2-8 1 2-5 1 3-6 1 3-11 1 3-6 1 3-6 1 3-11 1 3-6 1 3-7-0 2 6-1 2 5-5 2 7-0 2 6-1 2 5-5 2 7-0 2 8-10 2 7-10 2 10-2 2 8-10 2 7-10 2 11-9 1 10-2 2 9-1 2 2-2x4 2-2x1 3-2x1 4-2x1 3-2 2 3-0 3 4-5 3 3-2x1 4-2x1 4-2x1 3-2 2 3-7 2 3-1 3 3-2x1 4-2x1 4-2x1 3-2 2 6-2 2 5-6 2 7-2 3-7 2 3-5 2 7-2 3-7 2 3-7 2 7-2 2 6-2 2 5-6 2	TWO floor only	One floor only	HEADERS AND GIRDERS SUPPORTING	GIRDER SPANS <sup>a</sup> ANI (Maximum spans for Douglas fir-larch, hem-1
Building Width (feet)  Building Width (feet)  Building Width (feet)  Building Width (feet)  3-1 1 2-8 1 2-5 1  4-6 1 3-11 1 3-6 1  5-9 1 5-0 2 4-5 2  7-0 2 6-1 2 5-5 2  8-1 2 7-0 2 6-3 2  7-2 1 6-3 1 5-7 2  8-9 1 7-7 2 6-9 2  10-2 2 8-10 2 7-10 2  11-9 1 10-2 2 9-1 2  11-9 1 10-2 2 9-1 2  1-10 1 5-1 2 4-6 2  11-9 1 10-2 2 9-1 2  4-1 2 3-6 2 3-2 3  5-9 2 5-0 3 4-5 3  5-9 2 5-0 3 4-5 3  5-9 2 6-3 2 3-10 2  4-11 2 4-3 2 3-10 2  4-12 2 6-3 2 3-10 2  7-2 2 6-3 2 3-11 2  6-2 2 3-7 2 3-7 3  4-4 7 7-7 7 2 5-6 2  7-2 2 6-2 2 5-6 2  7-2 2 6-2 2 5-6 2	2-2x4 2-2x6 2-2x8 2-2x10 2-2x12 3-2x12 3-2x10 3-2x12 4-2x12 4-2x10	2-2x4 2-2x6 2-2x8 2-2x10 2-2x12 3-2x12 3-2x10 3-2x12 4-2x12 4-2x10 4-2x12	SIZE	TABLE R502.5(2) ) HEADER SPANS° FOR INTERIOR BEARIN fir, southern pine and spruce-pine-fir
Suilding Width (feet)  Building Width (feet)  D 28 36  NJd Span NJd Span NJd 1 2-5 1 1 3-11 1 3-6 1 1 5-0 2 4-5 2 2 6-1 2 5-5 2 2 7-0 2 6-3 2 1 6-3 1 5-7 2 2 8-10 2 7-10 2 1 10-2 2 9-1 2 1 10-2 2 9-1 2 1 10-2 2 9-1 2 1 10-2 2 9-1 2 2 3-6 2 3-2 2 2 4-3 2 3-10 3 2 4-3 2 3-11 2 2 6-3 2 3-7 2 3-2 2 2 6-3 2 3-7 3 2 6-2 2 5-6 2 2 7-9 7-9 7 6-5 9	<del>+++++</del>	3-1 4-6 5-9 7-0 7-2 7-2 7-2 8-9 10-2 110-1 110-1	20 Span	IG WALL
number of jack studs)  Jing Width (feet)  28  28  36  Span NJd Span NJd  2-8  1 2-5  1 3-6  1 3-6  1 3-6  1 3-6  1 3-6  1 3-6  1 3-6  2 4-5  2 6-3  2 7-0  2 6-3  2 7-10  2 7-10  2 7-10  2 7-10  2 7-10  2 7-10  2 10-2  3-6  3 1 5-7  2 1-7  1 1-7  1 1-7  1 1-7  1 1-7  1 1-7  1 1-7  1 1-7  1 1-7  3-6  2 3-10  3 4-5  3 4-5  3 4-5  3 3-7  2 3-11  2 5-6  3 3-7  3 3-7  2 3-7  3 3-7  2 3-6  3 3-7  3 3-7  2 3-6  3 3-7  3 3-7  2 3-6  3 3-7  3 3-7  3 3-7  2 3-6  3 3-7  3	9000000000		1 <del>7</del> 1	S
gr of jack studs)    ditth (feet)   36   36   NJd   5pan   NJd   1   2-5   1   1   3-6   1   1   3-6   1   1   5-7   2   2   6-9   2   2   7-10   2   2   3-2   2   3-11   2   2   3-10   2   2   3-10   2   3-11   2   2   3-10   2   3-11   2   2   3-10   2   3-11   2   2   3-10   2   3-11   2   2   3-10   2   3-11   2   2   3-10   2   3-11   2   2   3-10   2   3-11   2   2   3-10   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3   3-10   3   3   3   3-10   3   3   3   3-10   3   3   3   3-10   3   3   3   3   3   3   3   3   3	1-10 2-9 3-6 4-5 4-3 6-2 7-9	2-8 3-11 5-0 6-1 7-0 7-7 7-7 8-10 8-9	ding Wi	numbe
Gick studs)  Gick		N-NN-NNN	idth <sup>e</sup> (f	er of j
22233222332221222222222222222222222222	6-5 6-5 6-5	2-5 3-6 4-5 5-5 5-7 5-7 7-10 9-1	5	ack st
		000000000	N 9	(spr

or pouglas in largin, ilem in,	to boughts in literal, helin-in, southern bile and sprace-bile-in and required hallber of Jack states	and requ	lired n	umber or	Jack stu	ds)	
			Buildir	Building Width (feet)	(feet)		
SUPPORTING		20	4	28	36	<u>" </u>	wood
	SIZE	Span	S S	Span NJ	Span	چ	5/16
	2-2x4	3–1	1	2-8 1	2-5	_	
	2-2x6	4-6	1 3	3-11 1	3–6	<b>-</b>	
	2-2x8	5-9	1 5	5-0 2	4-5	2	19/3
	2-2×10	7-0	2   (	6-1 2	5-5	2	Ţ,
	2-2×12	8-1	2   7	7-0 2	6-3	2	1-1/
ine floor only	3-2x8	7-2	1 6	6-3 1	5-7	2	Other
	3-2×10	8 <u>-</u> 9	<u> </u>	7-7 2	6-9	2	Q in co
	3-2×12	10-2	2 8	8-10 2	7-10	2	1/3"
	4-2x8	5-10	1	5-1 2	4-6	2	sheat!
	4-2×10	10 <u>-1</u>	1	8-9	7-10	2	
	4-2×12	11-9	<u> </u>	10-2 2	9-1	2	· •
	2-2x4	2-2	<u>-</u>	1-10 1	1-7	_	1/2
	2-2x6	3-2	2	2-9 2	2-5	2	sheat
	2-2x8 2-2x8	1-1-1	2	3-6 2	3-2	1/2	
	2-2×10	5-9	2 2	5-0 3	4-5	u	25/3
WO floor only	3-2x8	5–1	2 /		3–11	2	ווספוט
	3-2×10	6-2	2   5	5-4 2	4-10	2	
	3-2×12	7-2	2 (	6-3 2	5-7	ડ	1/2"
	4-2x8	4-2	2	3-7 2	3-2	2	
	4-2×10	7-2	2 (	6-2 2	5–6	2	
	4-2×12	8 <u>-4</u>	2  -  -	7-2  2	6 <u>-</u> 5	2	5/8,

structural nanale embfloor roof and w	structural panels, subfloor, roof and wall sheathing to framing and particulehoord wall sheathing to framing	all sheathing to framing	
- 1/2"	6d common nail (subfloor, wall) 8d common nail (roof) <sup>f</sup>	6	12 9
, — 1ª	8d common nail	9	12 <sup>9</sup>
3" - 1-1/4"	10d common nail or 8d deformed nail	9	12
wall sheathing <sup>H</sup>			
egular cellulosic fiberboard ing	1-1/2" galvanized roofing nail 6d common nail staple 16ga., 1-1/2" long	3	6
egular cellulosic fiberboard ing	1-3/4" galvanized roofing nail 8d common nail staple 16ga., 1-3/4" long	3	9
" structural cellulosic pard sheathing	1-1/2" galvanized roofing nail: 6d common nail; staple galvanized, 1-1/2" long 1-1/4" screws, type W or S	3	9
yypsum sheathing	1-1/2" galvanized roofing nail 6d common nail staple 16ga., 1-1/2" long	4	8
gypsum sheathing	1-1/2" galvanized roofing nail 6d cornmon nail staple 16ga., 1-1/2" long	4	8
structural panels, combination subfloor underlayment to framing	underlayment to framing	5	3
	8d common nail or 8d deformed nail	6	12
2" _ 1_1/A"	10d common pail or 8d deformed pail	מ	5

shall be supported by framing members or solid blocking.	sheathing panel edges perpendicular to the framing members shall not be required except at intersection of adjacent roof planes. Floor and roof perim	r specific on roof sheathing panel edges applies to panel edges supported by framing members and at all roof plane perimeters. Blocking of roof or fit	

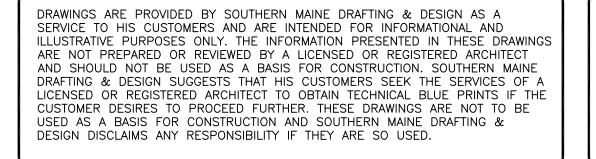
Staples are 16 gage wire and have a minimum 7/16-inch on diameter crown width.
 Nails shall be spaced at not more than 6inches on center at all supports where spans of the space of the spans of the spa

athing connections shall have 90ksi (620 MPa) for shank

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

mber of jack studs required to support each end. Where the number uired jack studs equals one, the header is permitted to be supported approved framing anchor attached to the full—height wall stud and header.

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	Revisions:
	00/00/00
	Date: 09/03/14
	Scale: $1/4$ "=1'-0"
	Drawn By: JTM
	Project: A041014
	Sheet Number:
	5 of 5
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Gider Spans & Fastener Schedule Portland Remodel Portland, ME

