

SPECIES & GRADE. GRADING RULE APPLY	JOIST SIZES	40 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS EXCEPT SLEEPING AREAS. DEAD LOAD = 10 PSF			30 lbs. PER SQ. FT. LIVE LOAD ALL ROOMS USED FOR SLEEPING AREAS. DEAD LOAD = 10 PSF		
		12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.
SOUTHERN PINE #1	2 x 6	10'-9"	9'-9"	8'-6"	11'-10"	10'-9"	9'-4"
	2 x 8	14'-2"	12'-10"	11'-3"	15'-7"	14'-2"	12'-4"
	2 x 10	18'-0"	16'-1"	13'-1"	19'-10"	18'-0"	14'-8"
	2 x 12	21'-11"	19'-1"	15'-7"	24'-2"	21'-4"	17'-5"
SOUTHERN PINE #2	2 x 6	10'-3"	9'-4"	7'-7"	11'-3"	10'-3"	8'-6"
	2 x 8	13'-6"	11'-10"	9'-8"	14'-11"	13'-3"	10'-10"
	2 x 10	16'-2"	14'-0"	11'-5"	18'-1"	15'-8"	12'-10"
	2 x 12	19'-1"	16'-6"	13'-6"	21'-4"	18'-6"	15'-1"
DOUGLAS FIR-LARCH #1	2 x 6	10'-11"	9'-11"	8'-8"	12'-0"	10'-11"	9'-7"
	2 x 8	14'-5"	13'-1"	11'-0"	15'-10"	14'-5"	12'-4"
	2 x 10	18'-5"	16'-5"	13'-5"	20'-3"	18'-5"	15'-0"
	2 x 12	22'-0"	19'-1"	15'-7"	24'-8"	21'-4"	17'-5"
DOUGLAS FIR-LARCH #2	2 x 6	10'-9"	9'-9"	8'-3"	11'-10"	10'-9"	9'-3"
	2 x 8	14'-2"	12'-9"	10'-5"	15'-7"	14'-2"	11'-8"
	2 x 10	18'-0"	15'-7"	12'-9"	19'-10"	17'-5"	14'-3"
	2 x 12	20'-11"	18'-1"	14'-9"	23'-4"	20'-3"	16'-6"
HEM-FIR #1	2 x 6	10'-6"	9'-6"	8'-4"	11'-7"	10'-6"	9'-2"
	2 x 8	13'-10"	12'-7"	10'-10"	15'-3"	13'-10"	12'-1"
	2 x 10	17'-8"	16'-0"	13'-3"	19'-5"	17'-8"	14'-10"
	2 x 12	21'-6"	18'-10"	15'-5"	23'-7"	21'-1"	17'-2"



PERMITS APPROVALS AND
INSPECTIONS

BALTIMORE COUNTY BUILDING CODE
MAXIMUM ALLOWABLE JOISTS SPANS
FOR GRADES & SIZES OF SPECIES

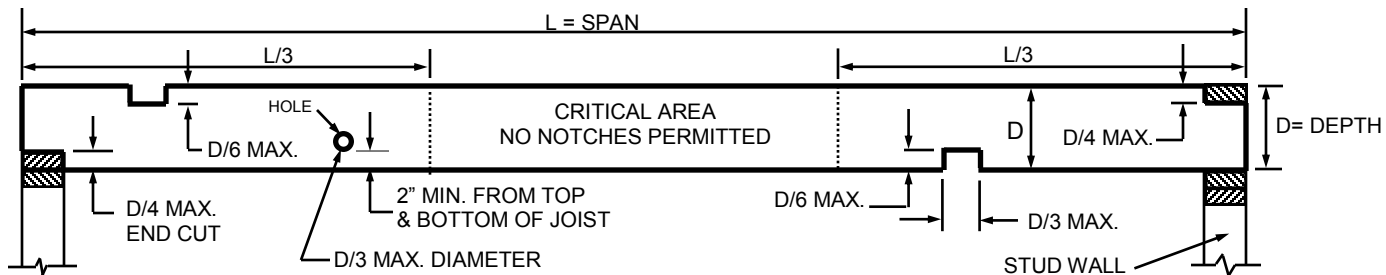
REVISIONS:

7-1-2015

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		12" O.C.	16" O.C.	24" O.C.	12" O.C.	16" O.C.	24" O.C.
HEM-FIR #2	2 x 6	10'-0"	9'-1"	7'-11"	11'-0"	10'-0"	8'-9"
	2 x 8	13'-2"	12'-0"	10'-2"	14'-6"	13'-2"	11'-4"
	2 x 10	16'-10"	15'-2"	12'-5"	18'-6"	16'-10"	13'-10"
	2 x 12	20'-4"	17'-7"	14'-4"	22'-6"	19'-8"	16'-1"
SPRUCE PINE-FIR #1 & #2	2 x 6	10'-3"	9'-4"	8'-1"	11'-3"	10'-3"	8'-11"
	2 x 8	13'-6"	12'-3"	10'-3"	14'-11"	13'-6"	11'-6"
	2 x 10	17'-3"	15'-5"	12'-7"	19'-0"	17'-2"	14'-1"
	2 x 12	20'-7"	17'-10"	14'-7"	23'-0"	19'-11"	16'-3"

Based on 2015 International Residential Building Code, Section R502.3

For other grades and species and for other loading condition, refer to the American Wood Council, 2015, Span Tables for Joists and Rafters.



DRILLING & NOTCHING
LIMITATIONS ON
FLOOR JOIST.



PERMITS APPROVALS AND
INSPECTIONS

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MAXIMUM ALLOWABLE JOISTS SPANS
FOR GRADES & SIZES OF SPECIES

REVISIONS:

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