



BUILDING DEPARTMENT

Douglas County Building Department
 Rm 106 Justice Building Douglas
 County Courthouse Roseburg, OR 97470

(503) 440-4284

(800) 224-1619 ext 4284

FRAMING SPAN TABLE

CENTERS	2" X 6"	2" X 8"	2" X 10"	2" X 12"
RAFTERS - Less Than 3 in 12 Pitch 25#LL & 10# DL 1/240				
12" O.C.	14' - 4"	18' - 8"	22' - 9"	26' - 5"
16" O.C.	12' - 9"	16' - 2"	19' - 9"	22' - 10"
24" O.C.	10' - 5"	13' - 2"	16' - 1"	18' - 8"
RAFTERS - Greater Than 3 in 12 Pitch 25# LL & 7# DL 1/180				
12" O.C.	15' - 5"	19' - 6"	23' - 10"	27' - 7"
16" O.C.	13' - 4"	16' - 11"	20' - 8"	23' - 11"
24" O.C.	10' - 11"	13' - 9"	16' - 10"	19' - 6"
FLOOR JOISTS - Residential Loading - 40#LL & 10#DL 1/360.				
12" O.C.	10' - 9"	14' - 2"	17' - 9"	20' - 1'
16" O.C.	9' - 9"	12' - 7"	15' - 5"	17' - 10"
24" O.C.	8' - 1"	10' - 3"	12' - 7"	14' - 7"
CENTERS	2" X 4"	2" X 6"	2" X 8"	2" X 10"
CEILING JOISTS - No Attic Storage <3 in 12 Pitch 10#LL & 5#DL 1/240				
12" O.C.	12' - 5"	19' - 6"	25' - 8"	32' - 5"
16" O.C.	11' - 3"	17' - 8"	23' - 0"	28' - 1"
24" O.C.	9' - 10"	14' - 10"	18' - 9"	22' - 11"
CEILING JOISTS - Limited Attic Stor >3 in 12 Pitch 20#LL 10#DL 1/240				
12" O.C.	9' - 10"	14' - 10"	18' - 9"	22' - 11"
16" O.C.	8' - 9"	12' - 10"	16' - 3"	19' - 10"
24" O.C.	7' - 2"	10' - 6"	13' - 3"	16' - 3"

Note: Spans may be increased by using a lumber grade higher than #2 DFL. Consult with the building department for adjusted values.

