

HUMBOLDT COUNTY BUILDING DEPARTMENT
 CITY OF WINNEMUCCA BUILDING DEPARTMENT
 RAFTER SPAN TABLES
 2018 INTERNATIONAL RESIDENTIAL CODE

Rafter Spans for Douglas Fir-Larch #2 – Ceiling not attached to rafters (R802.5.1(1))

Rafter Spacing	2x4	2x6	2x8	2x10	2x12
12" o.c.	10'10"	16'7"	21'	25'8"	*
16' o.c.	9'10"	14'4"	18'2"	22'3"	25'9"
19.2 o.c.	8'11"	13'1"	16'7"	20'3"	23'6"
24" o.c.	8'0"	11'9"	14'10"	18'2"	21'0"

*Span exceeds 26 feet in length

Rafter Spans for Douglas Fir-Larch #2 – Ceiling attached to rafters (R802.5.1(2))

Rafter Spacing	2x4	2x6	2x8	2x10	2x12
12" o.c.	9'10"	15'6"	20'5"	25'8"	*
16' o.c.	8'11"	14'1"	18'2"	22'3"	25'9"
19.2 o.c.	8'5"	13'1"	16'7"	20'3"	23'6"
24" o.c.	7'10"	11'9"	14'10"	18'2"	21'

*Span exceeds 26 feet in length

Rafter Ties:

Where ceiling joists are not parallel to rafters, the rafters shall be tied to 2"x4" minimum size rafter ties and installed in accordance with the connection requirements in Table R802.5.1(9) or connections of equivalent capacities will be provided. (R802.3.1)

Collar Ties:

Collar ties or ridge straps to resist wind uplift shall be connected in the upper third of the attic space in accordance with Table R602.3(1). Collar ties shall be a minimum of 1"x4", spaced not more than 4 feet on center. (R802.3.1.)