

El Dorado County Milled Lumber

The El Dorado County Board of Supervisors adopted Ordinance 24-0194 to assist property owners within the designated Caldor Fire area in rebuilding their homes using Title 25 Limited-Density Owner-Built Rural Dwelling standards. Under these standards, onsite milled lumber may be utilized. Below, please find the span tables to be used unless the onsite milled lumber has a Certificate of Inspection issued by a lumber grading or inspection agency.

PLEASE NOTE

All onsite milled lumber shall be fully dimensional in size and limited to one story buildings. Wall studs shall be placed at a maximum 16" OC and the ceiling height shall not exceed 10 feet.

FLOOR JOIST SPANS

JOIST SPACING (Inches)	2 x 6	2 x 8	2 x 10	2 x 12
	Maximum floor joist spans			
	(ft-in)	(ft-in)	(ft-in)	(ft-in)
12	7-5	9-5	11-5	13-6
16	6-5	8-2	9-10	11-8
19.2	5-11	7-5	9-0	10-8
24	5-3	6-8	8-1	9-6

GIRDER SPANS AND HEADER SPANS FOR BEARING WALLS

(top of the header or girder is laterally braced by perpendicular framing)

HEADERS AND GIRDERS SUPPORTING	Building Width (Feet)					
	Interior 24			Exterior 24		
	Size	Span	# of Trimmers	Size	Span	# of Trimmers
Roof and Ceiling	2-2 x 4	2-10	1	1-2 x 8	2-4	2
	2-2 x 6	4-4	1	1-2 x 10	3-0	2
	2-2 x 8	5-5	1	1-2 x 12	3-6	3
	2-2 x 10	6-6	2	2-2 x 4	4-2	3
	2-2 x 12	7-7	2	2-2 x 6	2-4	1
	3-2 x 8	6-10	1	2-2 x 8	3-6	2
	3-2 x 10	8-1	1	2-2 x 10	4-5	2
	3-2 x 12	9-6	2	2-2 x 12	5-3	2
	4-2 x 8	7-11	1	3-2 x 8	6-2	2
	4-2 x 10	9-4	1	3-2 x 10	5-6	2
	4-2 x 12	11-0	1	3-2 x 12	6-7	2
				4-2 x 8	7-9	2
				4-2 x 10	6-4	1
				4-2 x 12	7-7	2

CEILING JOIST SPANS (located at the bottom of the attic space)

CEILING JOIST SPACING (Inches)	2 x 4	2 x 6	2 x 8	2 x 10
	Maximum ceiling joist spans			
	(feet-inches)	(feet-inches)	(feet-inches)	(feet-inches)
12	7-2	10-6	13-3	16-1
16	6-2	9-2	11-6	14-0
19.2	5-8	8-4	10-6	12-9
24	5-1	7-5	9-5	11-5

RAFTER SPANS

RAFTER SPACING (Inches)	2 x 4	2 x 6	2 x 8	2 x 10	2 x 12
	Maximum Rafter Spans				
	(feet-inches)	(feet-inches)	(feet-inches)	(feet-inches)	(feet-inches)
12	4-5	6-6	8-3	10-0	11-10
16	3-10	5-8	7-1	8-8	10-3
19.2	3-6	5-2	6-6	7-11	9-4
24	3-1	4-7	5-10	7-1	8-4