

STRUCTURAL DECKING SPANS

Table 10

Spans for 4" to 12" wide lumber manufactured and used at a maximum moisture content of 19%.

Spans are given in feet-inches for normal load duration.

SPECIES	2" Thick Decking												3" Thick Decking											
	Douglas Fir Larch		Douglas Fir South		Hem-Fir		Spruce-Pine-Fir (South)		Western Cedars		Western Woods		Douglas Fir Larch		Douglas Fir South		Hem-Fir		Spruce-Pine-Fir (South)		Western Cedars		Western Woods	
GRADE	Select	Comm	Select	Comm	Select	Comm	Select	Comm	Select	Comm	Select	Comm	Select	Comm	Select	Comm	Select	Comm	Select	Comm	Select	Comm	Select	Comm
FLOOR DECKING — 10 psf Dead Load / 40 psf Live Load												L/480 Deflection Limit												
Simple	5-6	5-5	5-1	4-11	5-2	5-1	5-1	4-10	4-8	4-7	4-10	4-8	9-3	9-0	8-6	8-3	8-8	8-6	8-6	8-1	7-10	7-7	8-1	7-10
Controlled Random	6-0	5-11	5-7	5-5	5-8	5-7	5-7	5-3	5-1	5-0	5-3	5-1	10-7	10-4	9-9	9-6	9-11	9-9	9-9	9-3	9-0	8-8	9-3	9-0
ROOF DECKING — 10 psf Dead Load / 20 psf Live Load												L/240 Deflection Limit												
Simple	8-9	8-7	8-1	7-10	8-3	8-1	8-1	7-8	7-5	7-3	7-8	7-5	14-7	14-4	13-5	13-1	13-9	13-5	13-5	12-9	12-5	12-0	12-9	12-5
Controlled Random	9-7	9-5	8-10	8-7	9-0	8-10	8-10	8-4	8-2	7-10	8-4	8-2	16-9	16-5	15-5	15-1	15-9	15-5	15-5	14-8	14-3	13-9	14-8	14-3
ROOF DECKING — 10 psf Dead Load / 30 psf Live Load												L/240 Deflection Limit												
Simple	7-8	7-6	7-1	6-11	7-3	7-1	7-1	6-8	6-6	6-4	6-8	6-6	12-9	12-6	11-9	11-6	12-0	11-9	11-9	11-2	10-10	10-6	11-2	10-10
Controlled Random	8-4	8-3	7-8	7-6	7-10	7-8	7-8	7-4	7-1	6-11	7-4	7-1	14-8	14-5	13-6	13-2	13-9	13-6	13-6	12-10	12-5	12-1	12-10	12-5
ROOF DECKING — 10 psf Dead Load / 40 psf Live Load												L/240 Deflection Limit												
Simple	7-0	6-10	6-5	6-3	6-7	6-5	6-5	6-1	5-11	5-9	6-1	5-11	11-7	11-5	10-8	10-5	10-11	10-8	10-8	10-2	9-10	9-6	10-2	9-10
Controlled Random	7-7	7-6	7-0	6-10	7-2	7-0	7-0	6-8	6-5	6-3	6-8	6-5	13-4	13-1	12-3	11-11	12-6	12-3	12-3	11-8	11-4	10-11	11-8	11-4