

Allowable Simple Floor Joist Spans

Live Load = 40 psf Dead Load = 10 psf

367-8251	•	Building Services	•	City of Sioux Falls	•	2000 IBC
----------	---	-------------------	---	---------------------	---	----------

Member Size	Spacing	Hem Fir Select Structural	Hem Fir #1 or Better	Hem Fir #1	Spruce Hem Fir #2	Pine Fir Select Structural	Douglas Spruce Pine Fir #1/#2	Fir Larch Select Structural	Douglas Fir Larch #1	Douglas Fir Larch #2
2x6	12"OC	10'9"	10'5"	10'6"	10'0"	10'6"	10'3"	11'4"	10'11"	10'9"
	16"OC	9'9"	9'6"	9'6"	9'1"	9'6"	9'4"	10'4"	9'11"	9'9"
	24"OC	8'6"	8'4"	8'4"	7'11"	8'4"	8'1"	9'0"	8'8"	8'1"
2x8	12"OC	14'2"	13'10"	13'10"	13'2"	13'10"	13'6"	14'5"	14'5"	14'2"
	16"OC	12'10"	12'6"	12'7"	12'0"	12'7"	12'3"	13'7"	13'1"	12'7"
	24"OC	11'3"	11'0"	10'9"	10'2"	11'0"	10'3"	11'5"	11'0"	10'3"
2x10	12"OC	18'0"	17'8"	17'8"	16'10"	17'7"	17'3"	19'1"	18'5"	17'9"
	16"OC	16'4"	16'0"	16'0"	15'2"	16'0"	15'5"	17'4"	16'5"	15'5"
	24"OC	14'4"	13'1"	13'1"	12'5"	14'0"	12'7"	15'2"	13'5"	12'7"
2x12	12"OC	21'11"	21'5"	21'5"	20'4"	21'5"	20'7"	23'2"	22'0"	20'7"
	16"OC	19'11"	19'6"	19'6"	17'7"	19'6"	17'10"	21'1"	19'1"	17'10"
	24"OC	17'5"	15'11"	15'2"	14'4"	17'0"	14'6"	18'5"	15'7"	14'6"