

LUMBER SPAN CHART

FLOOR JOISTS 40 PSF LIVE LOAD 10 PSF DEAD LOAD

SPF		2X6		2X8		2X10		2X12	
SPACING	#1	#2	#1	#2	#1	#2	#1	#2	
12" O.C.	9'9"	9'6"	12'10"	12'6"	16'5"	15'11"	19'11"	19'1"	
16" O.C.	8'10"	8'7"	11'8"	11'4"	14'11"	14'3"	17'7"	16'6"	
24" O.C.	7'8"	7'6"	10'2"	9'6"	12'5"	11'8"	14'4"	13'6"	
HEM FIR		2X6		2X8		2X10		2X12	
SPACING	#1	#2	#1	#2	#1	#2	#1	#2	
12" O.C.	10'6"	10'0"	13'10"	13'2"	17'8"	16'10"	21'6"	20'4"	
16" O.C.	9'6"	9'1"	12'7"	12'0"	16'0"	15'2"	19'6"	17'7"	
24" O.C.	8'3"	7'11"	10'9"	10'2"	13'1"	12'5"	16'0"	14'4"	
DOUG FIR		2X6		2X8		2X10		2X12	
SPACING	#1	#2	#1	#2	#1	#2	#1	#2	
12" O.C.	10'11"	10'9"	14'5"	14'2"	18'5"	17'9"	22'0"	20'7"	
16" O.C.	9'11"	9'9"	13'1"	12'7"	16'5"	15'5"	19'1"	17'10"	
24" O.C.	8'8"	8'1"	11'0"	10'3"	13'5"	12'7"	15'7"	14'7"	
SYP		2X6		2X8		2X10		2X12	
SPACING	#1	#2	#1	#2	#1	#2	#1	#2	
12" O.C.	10'11"	10'9"	14'5"	14'2"	18'5"	18'0"	22'5"	21'9"	
16" O.C.	9'11"	9'9"	13'1"	12'10"	16'9"	16'1"	20'4"	18'10"	
24" O.C.	8'8"	8'6"	11'5"	11'0"	14'7"	13'1"	17'5"	15'5"	

*Always check with local building codes