

Floor Framing-Using the Code Book Worksheet

Directions: Using the IRC for One- and Two-Family Dwellings, find the answers to the following questions.

- 1. What chapter and section numbers do you find the codes governing floor framing?

Chapter

Section

- 2. What table shall be used to find the allowable floor joist spans for standard lumber species?

- 3. Floor cantilevers shall not exceed what length?

- 4. According to Figure R502.2, what must be done to header joists if the span is 5' 6"?

- 5. According to Table R502.3.1(1), what size Douglas Fir #2 placed at 16" o.c. would be required for a 17'6" span?

- 6. According to Table R502.3.1(1), for a 20 psf dead load using Douglas Fir, list at least four size, spacing and grade options to span 18'0"?

Size	Spacing	Grade
1.		
2.		
3.		
4.		
5.		
6.		

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7. What table would you refer to in order to find the maximum allowable span for floor joists that are supporting an exterior balcony? _____

8. What section would you find regulations for drilling and notching floor joists?

9. What is the process you would have to go through in order to alter a floor truss?

10. When using 16" o.c. floor joist spacing, what is the *minimum* thickness of floor sheathing to be used and what table would you find the information on?

Floor sheathing thickness	Table