

**RESIDENTIAL WOOD FRAME CONSTRUCTION  
CENTER GIRDER SPANS (allowable)**

<b>GIRDER SIZES</b>	<b>COLUMN SPACING / AVG. LOADING AREA OVER BEAM</b>					
	<b>w / 10'</b>	<b>w / 12'</b>	<b>w / 14'</b>	<b>w / 16'</b>	<b>w / 18'</b>	<b>W / 20'</b>
<b>2- 2x12 3- 2x10</b>	<b>9' - 0"</b>	<b>8' - 4"</b>	<b>7' - 8"</b>	<b>7' - 2"</b>	<b>6' - 9"</b>	<b>6' - 4"</b>
<b>W 8x15 W10x12</b>	<b>16' - 0"</b>	<b>15' - 0"</b>	<b>14' - 4"</b>	<b>13' - 8"</b>	<b>13' - 1"</b>	<b>12' - 9"</b>
<b>S 8x18.4 W10x15 W 8x18</b>	<b>18' - 0"</b>	<b>17' - 0"</b>	<b>16' - 1"</b>	<b>15' - 3"</b>	<b>14' - 10"</b>	<b>14' - 2"</b>
<b>2- 2x12 3- 2x10</b>	<b>6' - 9"</b>	<b>6' - 2"</b>	<b>5' - 8"</b>	<b>5' - 5"</b>	<b>5' - 1"</b>	<b>4' - 9"</b>
<b>W 8x15 W10x12</b>	<b>13' - 1"</b>	<b>12' - 4"</b>	<b>11' - 8"</b>	<b>10' - 10"</b>	<b>10' - 4"</b>	<b>9' - 10"</b>
<b>S 8x18.4 W10x15 W 8x18</b>	<b>14' - 10"</b>	<b>13' - 7"</b>	<b>12' - 7"</b>	<b>11' - 10"</b>	<b>11' - 1"</b>	<b>10' - 7"</b>
<b>W 8x21 W10x19 S10x25.4</b>	<b>15' - 2"</b>	<b>14' - 3"</b>	<b>13' - 7"</b>	<b>13' - 0"</b>	<b>12' - 6"</b>	<b>12' - 1"</b>
<b>2- 2x12 3- 2x10</b>	<b>5' - 10"</b>	<b>5' - 5"</b>	<b>5' - 0"</b>	<b>4' - 5"</b>	<b>4' - 4"</b>	<b>4' - 0"</b>
<b>W 8x15 W10x12</b>	<b>11' - 10"</b>	<b>10' - 10"</b>	<b>10' - 1"</b>	<b>9' - 4"</b>	<b>8' - 10"</b>	<b>8' - 4"</b>
<b>S 8x18.4 W10x15 W 8x18</b>	<b>12' - 10"</b>	<b>11' - 9"</b>	<b>10' - 10"</b>	<b>10' - 2"</b>	<b>9' - 7"</b>	<b>9' - 1"</b>
<b>W 8x21 W10x19 S10x25.4</b>	<b>13' - 10"</b>	<b>13' - 0"</b>	<b>12' - 4"</b>	<b>11' - 8"</b>	<b>11' - 1"</b>	<b>10' - 6"</b>

**ONE STORY  
W/ TRUSS ROOF**

**TWO STORY  
W/ TRUSS ROOF**

**AND**

**ONE STORY  
W/ ATTIC**

**TWO STORY  
W/ ATTIC**