## Ceiling Span Table Notes

1. For unbraced sections, allowable moment is based on AISI S100-07 with S2-10 Supplement, section C3.1.2 with weak axis and torsional unbraced length assumed to be the listed span (completely unbraced). For mid-span braced sections, allowable moment based on AISI S100-07 Specification section C3.1.2 with weak axis and torsional unbraced length assumed to be one-half of the listed span (bracing at midspan).
2. Web crippling calculation based on bearing length $=1$ inch.
3. Web crippling and shear capacity have not been reduced for punchouts. If web punchouts occur near support members must be checked for reduced shear and web crippling in accordance with the AISI S100-07 with S2-10 Supplement.
4. Values are for simple span conditions.

Allowable Ceiling Spans - Deflection Limit L/360

| Section | Fy, ksi | 4 psf |  |  |  |  |  | 6 psf |  |  |  |  |  | 13 psf |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  |
|  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  |
|  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  |
|  |  | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 |
| 162S125-18 | 33 | $7{ }^{12}$ | $6^{\prime} 6^{\prime \prime}$ | $5^{\prime} 8{ }^{\prime \prime}$ | $7{ }^{12}$ | $6^{\prime} 6{ }^{\prime \prime}$ | $5^{\prime} 8{ }^{\prime \prime}$ | $6^{1} 3^{\prime \prime}$ | $5{ }^{1 / 8}$ | $5^{\prime} 0$ | 6'3" | $5{ }^{1 / 8}$ | 5'0" | 4'10" | $4^{1} 5{ }^{\prime \prime}$ | 3'9" | 4'10" | $4^{\prime} 5{ }^{\prime \prime}$ | 3'10" |
| 162S125-27 | 33 | $8^{\prime} 5{ }^{\prime \prime}$ | $7{ }^{1} 8{ }^{\prime \prime}$ | $6^{\prime} 8{ }^{\prime \prime}$ | $8^{\prime} 5^{\prime \prime}$ | $7{ }^{1} 8$ | $6^{\prime} 8{ }^{\prime \prime}$ | 7'4' | $6^{1} 8{ }^{\prime \prime}$ | $5^{\prime} 10{ }^{\prime \prime}$ | 7'4' | $6^{6} 8{ }^{\prime \prime}$ | $5^{\prime} 10{ }^{\prime \prime}$ | $5^{\prime} 8{ }^{\prime \prime}$ | $5^{\prime} 2^{\prime \prime}$ | $4^{\prime} 6^{\prime \prime}$ | $5^{\prime} 8{ }^{\prime \prime}$ | $5^{\prime} 2^{\prime \prime}$ | $4^{\prime} 6{ }^{\prime \prime}$ |
| 162S125-30 | 33 | $8^{8} 8{ }^{\prime \prime}$ | 7'11" | $6{ }^{\prime} 11{ }^{\prime \prime}$ | $8^{\prime} 8{ }^{\prime \prime}$ | $7{ }^{111}$ | $6^{\prime} 11{ }^{\prime \prime}$ | $7{ }^{7 \prime}$ | $6^{\prime} 11{ }^{\prime \prime}$ | $6^{\prime} 0{ }^{\prime \prime}$ | $7{ }^{7 \prime}$ | $6^{\prime} 11{ }^{\prime \prime}$ | $6^{\prime} 0{ }^{\prime \prime}$ | $5^{\prime} 10$ | $5^{1} 4^{\prime \prime}$ | $4^{1} 8{ }^{\prime \prime}$ | 5'10" | $5^{1} 4$ | $4^{\prime} 8{ }^{\prime \prime}$ |
| 162S125-33 | 33 | $9^{\prime} 0$ " | 8'2" | 7'1" | $9^{\prime} 0{ }^{\prime \prime}$ | $8^{1} 2^{\prime \prime}$ | 7'1" | $7^{\prime} 10{ }^{\prime \prime}$ | 7'1" | $6^{1} 3$ " | 7'10" | 7'1" | $6{ }^{6 \prime}$ | $6^{6} 1{ }^{\prime \prime}$ | $5^{\prime} 6^{\prime \prime}$ | $4^{\prime} 10{ }^{\prime \prime}$ | $6^{6} 1{ }^{\prime \prime}$ | $5^{\prime} 6^{\prime \prime}$ | $4^{\prime} 10$ " |
| 162S137-27 | 33 | $8^{\prime} 10{ }^{\prime \prime}$ | $8^{\prime} 0$ | $70^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $8^{\prime} 0$ | $7{ }^{10}$ | $7{ }^{\prime}{ }^{\prime \prime}$ | $70^{\prime \prime}$ | $6^{6} 2$ " | 7'9" | $7{ }^{10}$ | $6^{6} 2$ " | $6^{\prime} 0{ }^{\prime \prime}$ | $5^{\prime} 5^{\prime \prime}$ | $4^{\prime} 9$ " | $6^{\prime} 0^{\prime \prime}$ | $5^{\prime} 5^{\prime \prime}$ | 4'9" |
| 162S137-30 | 33 | $9^{\prime} 1^{\prime \prime}$ | $8^{1} 3^{\prime \prime}$ | $7{ }^{1} 3^{\prime \prime}$ | $9^{1} 1^{\prime \prime}$ | $8^{1} 3^{\prime \prime}$ | $7{ }^{1 \prime}$ | $8^{\prime} 0^{\prime \prime}$ | $7{ }^{\prime \prime}$ | $6^{\prime} 4 \prime$ | $8^{\prime} 0{ }^{\prime \prime}$ | $7{ }^{1} 3^{\prime \prime}$ | $6^{\prime} 4 \prime$ | $6^{\prime} 2^{\prime \prime}$ | $5^{\prime} 7$ " | $4^{\prime} 11^{\prime \prime}$ | $6^{1} 2^{\prime \prime}$ | $5^{\prime} 7$ " | $4^{\prime} 11{ }^{\prime \prime}$ |
| 162S137-33 | 33 | $9^{\prime} 5{ }^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime}$ | $76^{\prime \prime}$ | $9^{\prime} 5^{\prime \prime}$ | $8^{\prime} 7^{\prime \prime}$ | $76^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $76^{\prime \prime}$ | $6^{\prime} 6{ }^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7^{1} 6^{\prime \prime}$ | $6^{\prime} 6{ }^{\prime \prime}$ | $6^{6} 4{ }^{\prime \prime}$ | $5^{\prime} 9 \prime$ | $5^{1} 1{ }^{\prime \prime}$ | $6^{6} 4{ }^{\prime \prime}$ | $5^{\prime} 9$ | 511 |
| 250S125-18 | 33 | $8^{\prime} 5^{\prime \prime}$ | 7'9" | $6^{\prime} 11{ }^{\prime \prime}$ | $9^{\prime} 11{ }^{\prime \prime}$ | $9^{\prime} 0{ }^{\prime \prime}$ | $7{ }^{\prime} 10^{\prime \prime}$ | $7{ }^{\prime} 6^{\prime \prime}$ | $6^{\prime} 11{ }^{\prime \prime}$ | $6^{1} 2^{\prime \prime}$ | $8^{8} 8{ }^{\prime \prime}$ | $7^{\prime} 10^{\prime \prime}$ | $6{ }^{\prime} 11{ }^{\prime \prime}$ | $6^{\prime} 0{ }^{\prime \prime}$ | $5^{\prime} 6^{\prime \prime}$ | 4'10" e | $6^{\prime} 8{ }^{\prime \prime}$ | $6{ }^{\prime \prime} 1{ }^{\prime \prime}$ | $5^{\prime} 4^{\prime \prime} \mathrm{e}$ |
| 250S125-27 | 33 | 9'8" | 8'11" | $8^{\prime} 0^{\prime \prime}$ | 11'8" | $10^{\prime \prime} 7$ | $9^{\prime} 3^{\prime \prime}$ | $8^{\prime \prime} 8^{\prime \prime}$ | $8^{\prime} 0^{\prime \prime}$ | $7{ }^{1 \prime}$ | 10' $2^{\prime \prime}$ | $9^{1} 3$ " | $8^{17}$ | $7{ }^{10}$ | $6^{\prime} 6^{\prime \prime}$ | $5^{\prime} 9 \prime$ | $7{ }^{\prime} 10 "$ | $7{ }^{17}$ | $6^{\prime} 3^{\prime \prime}$ |
| 250S125-30 | 33 | $10^{\prime \prime} 0^{\prime \prime}$ | 9'3" | $8^{1} 3^{\prime \prime}$ | $12^{\prime} 0{ }^{\prime \prime}$ | $10^{\prime} 11^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $9^{\prime} 0{ }^{\prime \prime}$ | $8^{\prime \prime} 3^{\prime \prime}$ | $7{ }^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $8^{1} 4 \prime$ | $7{ }^{17}$ | $6^{6} 8{ }^{\prime \prime}$ | $6^{\prime \prime} 0^{\prime \prime}$ | $8^{1} 1{ }^{\prime \prime}$ | 7'4' | $6^{\prime} 5^{\prime \prime}$ |
| 250S125-33 | 33 | 10' ${ }^{\prime \prime}$ | 9'8" | $8^{\prime} 7{ }^{\prime \prime}$ | 12' ${ }^{\prime \prime}$ | 11'3" | $9^{\prime} 10^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime}$ | $7{ }^{1} 8$ | 10'10" | $9^{\prime} 10^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime}$ | $7{ }^{\prime \prime}{ }^{\prime \prime}$ | $6^{\prime} 11{ }^{\prime \prime}$ | $6^{6} 2^{\prime \prime}$ | $8^{\prime} 5^{\prime \prime}$ | $7{ }^{7 \prime}$ | $6^{\prime} 8{ }^{\prime \prime}$ |
| 250S125-43 | 33 | 11'9" | 10'10" | $9^{1} 7{ }^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime \prime} 3^{\prime \prime}$ | 10' 9" | 10' $5^{\prime \prime}$ | $9^{1} 7$ " | $8^{\prime} 61$ | 11'10" | 10'9" | $9^{1} 4{ }^{\prime \prime}$ | $8^{\prime} 4{ }^{\prime \prime}$ | $7{ }^{17}$ | $6{ }^{\prime} 10$ " | $9^{1} 1{ }^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{1 \prime}$ |
| 250S137-27 | 33 | 11'0" | 10' 2 " | $91^{\prime \prime}$ | $12^{\prime} 3^{\prime \prime}$ | 11'1" | 9'9" | $9^{\prime} 10{ }^{\prime \prime}$ | 911 | $8^{1} 2^{\prime \prime}$ | $10^{\prime} 8^{\prime \prime}$ | 9'9" | $8^{\prime} 61$ | $8^{\prime} 01$ | $7{ }^{1} 5$ | $6^{1} 7{ }^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{1} 6$ | $6^{\prime} 7{ }^{\prime \prime}$ |
| 250S137-30 | 33 | 11'4' | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 5^{\prime \prime}$ | $12^{\prime \prime} 8^{\prime \prime}$ | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime} 0^{\prime \prime}$ | 10' $2^{\prime \prime}$ | $9^{\prime} 5^{\prime \prime}$ | $8^{\prime \prime} 5$ | $11^{\prime \prime} 0^{\prime \prime}$ | $10^{\prime} 0 \prime$ | 8'9" | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{1 / 8}$ | $6^{6} 9$ | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{\prime \prime}$ | $6^{\prime \prime}{ }^{\prime \prime}$ |
| 250S137-33 | 33 | 11'10" | 10'11" | $9^{\prime} 9$ " | 13'1" | $11^{\prime} 10^{\prime \prime}$ | $10^{\prime \prime} 4^{\prime \prime}$ | 10'7" | $9^{\prime} 9$ " | 8'9" | 11'5" | $10^{\prime} 4^{\prime \prime}$ | $9^{111}$ | $8^{\prime 6} 6^{\prime \prime}$ | 7'11" | $7{ }^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $8^{\prime} 0$ | $7{ }^{10}$ |
| 250S137-43 | 33 | 13' ${ }^{\prime \prime}$ | $12^{\prime \prime}$ | 10' $9^{\prime \prime}$ | 14'2" | 12'11" | 11'3" | 11'9" | 10'9" | $9^{\prime} 7{ }^{\prime \prime}$ | 12'5" | $11^{1} 3^{\prime \prime}$ | $9^{\prime} 10$ " | $9^{\prime} 5^{\prime \prime}$ | $8^{18} 8$ | $7{ }^{17}$ | $9^{\prime} 7{ }^{\prime \prime}$ | $8^{18} 8$ | $77^{11}$ |
| 250S162-33 | 33 | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime \prime}$ | 10' $10{ }^{\prime \prime}$ | $13^{\prime \prime} 8^{\prime \prime}$ | $12^{\prime \prime} 5^{\prime \prime}$ | 10'10" | $12^{\prime \prime} 0$ | 10'10" | $9^{\prime} 6{ }^{\prime \prime}$ | $12^{\prime} 0{ }^{\prime \prime}$ | 10'10" | $9^{\prime} 6^{\prime \prime}$ | 9'3" | $8^{\prime} 5{ }^{\prime \prime}$ | 7'4" | $9^{1} 3^{\prime \prime}$ | $8^{\prime} 5{ }^{\prime \prime}$ | $7{ }^{14}$ |
| 250S162-43 | 33 | 14'11" | $13^{\prime} 6^{\prime \prime}$ | 11'10" | 14'11" | $13^{\prime} 6^{\prime \prime}$ | 11'10" | $13^{\prime} 0{ }^{\prime \prime}$ | 11'10" | $10^{\prime} 4^{\prime \prime}$ | $13^{\prime} 0$ | 11'10" | $10^{\prime} 4^{\prime \prime}$ | 10'1" | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime \prime} 0$ | 10'1" | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime} 0$ |
| 350S125-18 | 33 | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime} 61$ | $76^{\prime \prime}$ | $12^{\prime} 6^{\prime \prime}$ | $11^{\prime \prime} 5^{\prime \prime}$ | 9'11" | $8^{1} 3^{\prime \prime}$ | $76^{\prime \prime}$ | $6^{6} 8{ }^{\prime \prime}$ | $11^{\prime} 0$ | $9^{\prime \prime} 11$ | 8'5"e | $6^{\prime} 6^{\prime \prime}$ | 5'11"e | $5^{\prime} 3^{\prime \prime} \mathrm{e}$ | 8' $\mathrm{l}^{\prime \prime} \mathrm{e}$ | 7'2" | $6^{\prime} 0{ }^{\prime \prime} \mathrm{e}$ |
| 350S125-27 | 33 | 10'6" | $9^{\prime} 9^{\prime \prime}$ | 8'9" | 14'11" | $13^{\prime \prime} 8^{\prime \prime}$ | $12^{\prime \prime} 0^{\prime \prime}$ | $9^{\prime} 5{ }^{\prime \prime}$ | 8'9" | $7{ }^{7 \prime}$ | 13' ${ }^{\prime \prime}$ | $12^{\prime} 0$ | 10' 5" | $7{ }^{17}$ | $7{ }^{1} 0^{\prime \prime}$ | $6^{1} 4{ }^{\prime \prime}$ | $10^{\prime} 2^{\prime \prime}$ | $9^{1} 31$ | $7{ }^{\prime} 10$ |
| 350S125-30 | 33 | 10'11" | 10'1" | $9^{\prime} 0{ }^{\prime \prime}$ | 15'5" | $14^{\prime \prime} 2^{\prime \prime}$ | $12^{\prime \prime} 4^{\prime \prime}$ | 9'9" | $9^{\prime} 0{ }^{\prime \prime}$ | $8^{17}$ | 13'7" | $12^{\prime \prime} 4$ | 10'10" | 7'11" | $7{ }^{1 \prime}$ | $6^{\prime} 6{ }^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | 8' 4 " |
| 350S125-33 | 33 | $11^{\prime \prime} 4^{\prime \prime}$ | 10'5" | $9^{\prime} 4^{\prime \prime}$ | $16^{\prime \prime} 0^{\prime \prime}$ | $14^{\prime \prime} 8^{\prime \prime}$ | 12' $9^{\prime \prime}$ | 10'1" | $9^{\prime} 4^{\prime \prime}$ | $8^{\prime} 4{ }^{\prime \prime}$ | 14'1" | $12^{\prime \prime} 9$ | $11^{1} 2{ }^{\prime \prime}$ | $8^{\prime} 2^{\prime \prime}$ | $7{ }^{7 \prime}$ | $6^{\prime} 9$ " | 10'10" | $9^{\prime} 10^{\prime \prime}$ | $8^{\prime \prime} 8^{\prime \prime}$ |
| 350S125-43 | 33 | $12^{\prime} 7{ }^{\prime \prime}$ | 11'7" | $10^{\prime \prime} 3^{\prime \prime}$ | $17^{\prime} 6^{\prime \prime}$ | 15'11" | 13'11" | 11'2" | $10^{\prime \prime} 3^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | 13'11" | $12^{\prime} 2^{\prime \prime}$ | $9^{\prime} 0$ " | $8^{1} 3^{\prime \prime}$ | $7{ }^{\prime \prime}{ }^{\prime \prime}$ | 11'10" | $10^{\prime} 9{ }^{\prime \prime}$ | $9^{\prime \prime} 5^{\prime \prime}$ |
| 350S137-27 | 33 | 11'11" | $11^{\prime} 0^{\prime \prime}$ | $9^{\prime} 11^{\prime \prime}$ | $15^{\prime} 10^{\prime \prime}$ | $14^{\prime \prime} 5^{\prime \prime}$ | $12^{\prime} 7^{\prime \prime}$ | 10' $8^{\prime \prime}$ | $9^{\prime} 11^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | 13'10" | $12^{\prime} 7{ }^{\prime \prime}$ | $11^{\prime \prime} 0^{\prime \prime}$ | $8^{18} 8$ | $8^{11}$ | $7{ }^{1 \prime}$ | $10^{\prime \prime} 8$ | $9^{\prime} 9^{\prime \prime}$ | $8^{\prime} 6{ }^{\prime \prime}$ |
| 350S137-30 | 33 | $12^{\prime} 4^{\prime \prime}$ | 11'5" | 10' 2 " | 16' $\mathbf{4}^{\prime \prime}$ | $14^{\prime} 10^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | 11'0' | $10^{\prime \prime} 2^{\prime \prime}$ | $9^{1} 2^{\prime \prime}$ | $14^{\prime} 3 \prime$ | $13^{\prime} 0$ | $11^{\prime \prime} 4^{\prime \prime}$ | 8'11" | 8'4" | $7{ }^{7 \prime}$ | $11^{1} 0{ }^{\prime \prime}$ | $10^{\prime} 0^{\prime \prime}$ | 8' $9^{\prime \prime}$ |
| 350S137-33 | 33 | 12' 9" | 11'9" | $10^{\prime} 7{ }^{\prime \prime}$ | $16^{\prime} 11^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | $13^{\prime \prime} 5^{\prime \prime}$ | 11'5" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $14^{\prime} 9^{\prime \prime}$ | $13^{\prime} 5{ }^{\prime \prime}$ | $11^{\prime \prime}{ }^{\prime \prime}$ | $9^{1} 3^{\prime \prime}$ | $8^{17} 7$ | $7{ }^{7 \prime}$ | $11^{\prime \prime} 5^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | $9^{\prime} 1{ }^{\prime \prime}$ |
| 350S137-43 | 33 | $14^{\prime \prime} 1{ }^{\prime \prime}$ | $13^{\prime \prime} 0^{\prime \prime}$ | $11^{\prime} 7$ " | 18'4" | $16^{\prime} 8{ }^{\prime \prime}$ | $14^{\prime} 7$ " | $12^{\prime} 7{ }^{\prime \prime}$ | $11^{\prime \prime} 7^{\prime \prime}$ | 10' ${ }^{\prime \prime}$ | $16^{\prime \prime} 1^{\prime \prime}$ | $14^{\prime} 7{ }^{\prime \prime}$ | 12'9" | 10'1" | $9^{\prime} 4{ }^{\prime \prime}$ | $8^{\prime} 4{ }^{\prime \prime}$ | $12^{\prime \prime} 5^{\prime \prime}$ | $11^{\prime \prime} 3^{\prime \prime}$ | $9^{\prime} 10$ " |
| 350S162-33 | 33 | $14^{\prime} 6^{\prime \prime}$ | 13'5' | $12^{\prime \prime} 0^{\prime \prime}$ | 17' $9^{\prime \prime}$ | $16^{\prime \prime} 1{ }^{\prime \prime}$ | $14^{\prime \prime} 1{ }^{\prime \prime}$ | $13^{\prime} 0$ | $12^{\prime \prime} 0^{\prime \prime}$ | 10'10" | $15^{\prime} 6{ }^{\prime \prime}$ | $14^{\prime \prime} 1{ }^{\prime \prime}$ | $12^{\prime} 3^{\prime \prime}$ | 10'7" | $9^{\prime} 10$ | $8^{\prime} 10^{\prime \prime}$ | 11'11" | 10'10" | $9^{\prime} 6{ }^{\prime \prime}$ |
| 350S162-43 | 33 | $16^{\prime} 0^{\prime \prime}$ | 14'9" | $13^{\prime \prime} 2^{\prime \prime}$ | 19'3" | $17^{\prime} 6^{\prime \prime}$ | $15^{\prime \prime} 3^{\prime \prime}$ | $14^{\prime \prime} 3^{\prime \prime}$ | $13^{\prime \prime}{ }^{\prime \prime}$ | 11'9" | 16'10" | $15^{\prime} 3^{\prime \prime}$ | $13^{\prime \prime} 4^{\prime \prime}$ | $11^{\prime} 6^{\prime \prime}$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{17}{ }^{\prime \prime}$ | $13^{\prime} 0{ }^{\prime \prime}$ | 11'10" | $10^{\prime \prime} 4^{\prime \prime}$ |
| 362S125-18 | 33 | 9'3" | $8^{\prime} 7{ }^{\prime \prime}$ | $77^{\prime \prime}$ | 12' $8^{\prime \prime}$ | 11'7" | $10^{\prime \prime} 0^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{1} 7^{\prime \prime}$ | 6'9" | $11^{\prime \prime}$ | $10^{\prime} 0$ | 8'7"e | $6^{1} 7{ }^{\prime \prime}$ | $6^{\prime} 0^{\prime \prime}$ e | 5'4"e | 8'3"e | 7'4"e | $6^{\prime} 1^{\prime \prime} \mathrm{e}$ |
| 362S125-27 | 33 | 10' ${ }^{\text {" }}$ | $9^{\prime} 10{ }^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $15^{\prime} 0$ | $13^{\prime} 11^{\prime \prime}$ | $12^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $7{ }^{\prime} 10{ }^{\prime \prime}$ | 13' ${ }^{\prime \prime}$ | $12^{\prime \prime} 4^{\prime \prime}$ | 10'9" | $7{ }^{1} 8{ }^{\prime \prime}$ | $7{ }^{1} 1$ " | $6^{6} 4$ " | $10^{\prime} 5{ }^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | $7{ }^{111}$ |
| 362S125-30 | 33 | $11^{\prime} 0^{\prime \prime}$ | 10' ${ }^{\prime \prime}$ | $91^{\prime \prime}$ | $15^{\prime} 6^{\prime \prime}$ | $14^{\prime \prime} 4^{\prime \prime}$ | $12^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 10{ }^{\prime \prime}$ | $9^{\prime} 1^{\prime \prime}$ | 8' 2 " | 13'11" | 12' $\mathbf{8 "}^{\prime \prime}$ | 11'1" | $8^{1} 0^{\prime \prime}$ | $7{ }^{1 /}$ | $6^{1} 7$ " | 10'10" | $9^{\prime} 10$ | $8^{\prime} 5^{\prime \prime}$ |
| 362S125-33 | 33 | $11^{\prime \prime} 5^{\prime \prime}$ | 10' $6^{\prime \prime}$ | $9^{15}{ }^{\prime \prime}$ | 16' ${ }^{\prime \prime}$ | $14^{\prime} 10^{\prime \prime}$ | 13' $2^{\prime \prime}$ | 10' $2^{\prime \prime}$ | $9^{\prime} 5^{\prime \prime}$ | $8^{\prime \prime}{ }^{\prime \prime}$ | 14'5" | $13^{\prime \prime} 2^{\prime \prime}$ | $11^{\prime} 6{ }^{\prime \prime}$ | $8^{1} 3^{\prime \prime}$ | $7{ }^{7 \prime}$ | $6^{\prime} 10{ }^{\prime \prime}$ | $11^{\prime} 2{ }^{\prime \prime}$ | 10' $2^{\prime \prime}$ | $8^{\prime} 10{ }^{\prime \prime}$ |
| 362S125-43 | 33 | $12^{\prime \prime} 8^{\prime \prime}$ | 11'8" | $10^{\prime \prime} 4^{\prime \prime}$ | 17' $9^{\prime \prime}$ | $16^{\prime \prime} 4^{\prime \prime}$ | $14^{\prime} 4^{\prime \prime}$ | 11'3" | $10^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 3^{\prime \prime}$ | 15'9" | $14^{\prime \prime} 4^{\prime \prime}$ | $12^{\prime} 6{ }^{\prime \prime}$ | $9^{1} 1^{\prime \prime}$ | $8^{\prime} 4{ }^{\prime \prime}$ | $7{ }^{\prime \prime}{ }^{\prime \prime}$ | $12^{\prime} 2^{\prime \prime}$ | 111" | $9^{\prime \prime} 8^{\prime \prime}$ |
| 362S137-27 | 33 | $12^{\prime} 0^{\prime \prime}$ | 1111" | $10^{\prime \prime} 0^{\prime \prime}$ | $16^{\prime \prime} 3^{\prime \prime}$ | $14^{\prime} 10^{\prime \prime}$ | 12'11" | 10' ${ }^{\prime \prime}$ | $10^{\prime} 0^{\prime \prime}$ | 8'11" | 14'3' | 12'11" | 11'3" | 8'9" | $8^{14}$ | $7{ }^{\prime \prime}$ | $11^{\prime \prime} 0$ | $10^{\prime} 0{ }^{\prime \prime}$ | 8'9"e |
| 362S137-30 | 33 | $12^{\prime \prime}{ }^{\prime \prime}$ | $11^{\prime} 6^{\prime \prime}$ | 10' 4" | $16^{\prime} 10^{\prime \prime}$ | $15^{\prime \prime} 3^{\prime \prime}$ | 13' $4^{\prime \prime}$ | 11'2" | 10' 4" | $9^{1} 3^{\prime \prime}$ | 14'8" | $13^{\prime \prime} 4^{\prime \prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 0{ }^{\prime \prime}$ | $8^{\prime} 4{ }^{\prime \prime}$ | $7{ }^{\prime \prime}$ | $11^{\prime \prime} 4^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | $9^{\prime} 01$ |
| 362S137-33 | 33 | 12'10" | 11'11" | 10' ${ }^{\prime \prime}$ | 17' 4" | 15'9" | 13'9" | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | 15' $\mathbf{2 '}^{\prime \prime}$ | 13'9" | $12^{\prime \prime} 0^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ | $8^{1} 8{ }^{\prime \prime}$ | $7{ }^{\prime \prime}$ | 11'9" | 10' $8^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ |
| 362S137-43 | 33 | $14^{\prime} 3^{\prime \prime}$ | 13'1" | 11'8" | 18'11" | 17' 2 " | $15^{\prime \prime} 0^{\prime \prime}$ | 12' $8^{\prime \prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | 10' ${ }^{\prime \prime}$ | $16^{\prime} 6^{\prime \prime}$ | $15^{\prime} 0$ | 13'1" | 10'3" | $9^{\prime \prime}{ }^{\prime \prime}$ | $8^{\prime \prime} 5$ | 12'9" | 1117" | $10^{\prime \prime} 1{ }^{\prime \prime}$ |
| 362S162-33 | 33 | $14^{\prime} 8{ }^{\prime \prime}$ | 13'7" | $12^{\prime \prime} 2^{\prime \prime}$ | 18'2" | $16^{\prime} 6^{\prime \prime}$ | $14^{\prime \prime} 5^{\prime \prime}$ | 13' ${ }^{\prime \prime}$ | $12^{\prime} 2^{\prime \prime}$ | 10'11" | 15'11" | $14^{\prime} 5{ }^{\prime \prime}$ | $12^{\prime} 7{ }^{\prime \prime}$ | 10' $8^{\prime \prime}$ | $9^{\prime} 11^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $12^{\prime \prime} 3^{\prime \prime}$ | 111 $2^{\prime \prime}$ | 9'9" |
| 362S162-43 | 33 | $16^{\prime \prime} 1{ }^{\prime \prime}$ | $14^{\prime} 10^{\prime \prime}$ | $13^{\prime \prime} 3^{\prime \prime}$ | 19'10" | $18^{\prime} 0^{\prime \prime}$ | 15'9' | $14^{\prime \prime} 5^{\prime \prime}$ | $13^{\prime} 3^{\prime \prime}$ | 11'11" | $17^{\prime \prime} 4^{\prime \prime}$ | $15^{\prime} 9 \prime$ | 13' $9^{\prime \prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | 10'9" | $9^{\prime} 8{ }^{\prime \prime}$ | $13^{\prime \prime} 4^{\prime \prime}$ | $12^{\prime \prime}$ | $10^{\prime \prime} 7$ |
| 400S125-18 | 33 | $9^{\prime} 6^{\prime \prime}$ | 8' 9" | $7{ }^{\prime} 10$ | $13^{\prime \prime} 0^{\prime \prime}$ | 11'11" | 10' 5" | $8^{\prime} 6{ }^{\prime \prime}$ | $7^{\prime} 10^{\prime \prime}$ | $6^{\prime} 11{ }^{\prime \prime}$ | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime \prime} 5^{\prime \prime}$ | 8'11" e | $6^{\prime} 9 \prime \prime$ | $6^{\prime} 2^{\prime \prime}$ e | $5^{\prime \prime} 6^{\prime \prime} \mathrm{e}$ | $8^{\prime \prime} 8^{\prime \prime} \mathrm{e}$ | $77^{\prime \prime}$ e | $6^{\prime} 5 \mathrm{~s}$ e |
| 400S125-27 | 33 | 10'11" | $10^{\prime} 1{ }^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | 15'5" | $14^{\prime \prime} 3^{\prime \prime}$ | $12^{\prime \prime} 9^{\prime \prime}$ | 9'9" | $9^{\prime} 0$ | $8^{111}$ | 13'10" | 12'9" | 11'2" | $7{ }^{1111}$ | $7{ }^{1 /}$ | $6^{\prime} 6{ }^{\prime \prime}$ | 10' 10" | $9^{\prime} 9 \prime$ | $8^{\prime} 4^{\prime \prime}$ |
| 400S125-30 | 33 | $11^{\prime} 3^{\prime \prime}$ | $10^{\prime \prime} 5^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | 15'11" | $14^{\prime \prime}{ }^{\prime \prime}$ | 13' $2^{\prime \prime}$ | 10'1" | $9^{\prime} 4^{\prime \prime}$ | $8^{\prime} 4{ }^{\prime \prime}$ | $14^{\prime} 3^{\prime \prime}$ | $13^{\prime \prime} 2^{\prime \prime}$ | $11^{\prime} 9^{\prime \prime}$ | $8^{\prime} 2^{\prime \prime}$ | $7{ }^{7 \prime}$ | $6^{\prime} 9$ | $11^{\prime \prime} 5^{\prime \prime}$ | $10^{\prime \prime} 4^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ |
| 400S125-33 | 33 | 11'9" | 10'10" | $9^{\prime} 8{ }^{\prime \prime}$ | $16^{\prime} 7{ }^{\prime \prime}$ | $15^{\prime \prime} 3^{\prime \prime}$ | $13^{\prime \prime} 8^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 8{ }^{\prime \prime}$ | $8^{18} 8$ | $14^{\prime \prime} 9^{\prime \prime}$ | $13^{\prime} 8^{\prime \prime}$ | $12^{\prime} 3^{\prime \prime}$ | $8^{\prime} 6{ }^{\prime \prime}$ | 7'10" | $7{ }^{\prime \prime}$ | 11'11" | 10'11" | $9^{\prime} 5^{\prime \prime}$ |
| 400S125-43 | 33 | $13^{\prime} 0^{\prime \prime}$ | 11'11" | $10^{\prime} 8{ }^{\prime \prime}$ | 18' ${ }^{\prime \prime}$ | $16^{\prime \prime} 9^{\prime \prime}$ | $15^{\prime} 0^{\prime \prime}$ | 11'7" | $10^{\prime} 8{ }^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $16^{\prime} 3^{\prime \prime}$ | $15^{\prime} 0{ }^{\prime \prime}$ | 13' ${ }^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime}$ | $7{ }^{18}$ | $13^{1} 1{ }^{\prime \prime}$ | 11'11" | 10' ${ }^{\prime \prime}$ |
| 400S137-27 | 33 | 12' ${ }^{\prime \prime}$ | $11^{\prime} 5{ }^{\prime \prime}$ | $10^{\prime \prime} 3^{\prime \prime}$ | $17^{\prime} 7{ }^{\prime \prime}$ | $16^{\prime \prime} 0^{\prime \prime}$ | 13'11" | 11'1" | 10'3" | $9^{1} 2^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | 13'11" | $12^{\prime} 2^{\prime \prime}$ | 9'0" | 8'4" | $76^{\prime \prime}$ | 11'10" | 10'9" | 9'5" e |
| 400S137-30 | 33 | 12' $\mathrm{g'}^{\prime \prime}$ | 11'9" | $10^{\prime} 7{ }^{\prime \prime}$ | 18' ${ }^{\prime \prime}$ | $16^{\prime} 6^{\prime \prime}$ | 14'5" | 11'5" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | 15'10" | $14^{\prime \prime} 5$ | $12^{\prime} 7^{\prime \prime}$ | 9'3" | $8^{\prime} 7{ }^{\prime \prime}$ | $7^{1} 8{ }^{\prime \prime}$ | $12^{\prime \prime}{ }^{\prime \prime}$ | 1111" | $9^{\prime} 9^{\prime \prime}$ |
| 400S137-33 | 33 | $13^{\prime} 3^{\prime \prime}$ | 12' ${ }^{\prime \prime}$ | 10'11" | 18' '" $^{\prime \prime}$ | $17^{\prime \prime} 0^{\prime \prime}$ | 14'11" | 11'10" | 10'11" | 9'9" | 16'5" | $14^{\prime} 11^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $9^{1} 7{ }^{\prime \prime}$ | $8^{\prime} 10$ | $7{ }^{7} 11$ | $12^{\prime \prime} 8^{\prime \prime}$ | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime \prime} 1^{\prime \prime}$ |
| 400S137-43 | 33 | $14^{\prime} 7^{\prime \prime}$ | $13^{\prime \prime} 5^{\prime \prime}$ | $12^{\prime} 0^{\prime \prime}$ | $20^{\prime \prime} 5^{\prime \prime}$ | $18^{\prime} 6^{\prime \prime}$ | $16^{\prime} 2^{\prime \prime}$ | $13^{\prime \prime} 0$ | $12^{\prime} 0$ | 10' $\mathrm{g}^{\prime \prime}$ | 17'10" | $16^{\prime \prime} 2$ | $14^{\prime} 2^{\prime \prime}$ | $10^{\prime \prime} 6^{\prime \prime}$ | $9^{\prime} 8{ }^{\prime \prime}$ | $8^{18} 8$ | 13' 9 " | $12^{\prime} 6{ }^{\prime \prime}$ | 10'11" |
| 400S162-33 | 33 | $15^{\prime} 0$ | 13'11" | 12' ${ }^{\prime \prime}$ | 19' $8^{\prime \prime}$ | 17'10" | $15^{\prime} 7{ }^{\prime \prime}$ | 13' $5^{\prime \prime}$ | $12^{\prime \prime}{ }^{\prime \prime}$ | 11'2" | 17' 2" | $15^{\prime} 7{ }^{\prime \prime}$ | 13'7" | 10'11" | $10^{\prime} 2$ | $9{ }^{\prime \prime} 1$ | $13^{\prime} 3^{\prime \prime}$ | $12^{\prime} 0$ | $10^{\prime} 6^{\prime \prime}$ |
| 400S162-43 | 33 | $16^{\prime} 6^{\prime \prime}$ | $15^{\prime} 3 "$ | 13' ${ }^{\prime \prime}$ | $21^{\prime \prime} 4^{\prime \prime}$ | 19'5" | 16'11" | 14'9" | $13^{\prime \prime} 8^{\prime \prime}$ | $12^{\prime 2}$ | 18' $8^{\prime \prime}$ | 16'11" | 14'10" | 11'11" | $11^{\prime \prime}$ | $9^{\prime \prime} 11{ }^{\prime \prime}$ | $14^{\prime} 5^{\prime \prime}$ | 13'1" | 11'5" |
| 550S125-27 | 33 | 12'1" | 11'3" | 10'1" | 17' $5^{\prime \prime}$ | $16^{\prime \prime} 1{ }^{\prime \prime}$ | $14^{\prime} 5^{\prime \prime}$ | 10' $10^{\prime \prime}$ | $10^{\prime \prime} 1^{\prime \prime}$ | $9{ }^{1 \prime}$ | $15^{\prime} 7{ }^{\prime \prime}$ | $14^{\prime \prime} 5$ | 12'11" | 8'11" | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{1} 5{ }^{\prime \prime}$ | $12^{1} 7{ }^{\prime \prime}$ | $11^{\prime \prime}{ }^{\prime \prime}$ | $10^{\prime \prime} 0^{\prime \prime} \mathrm{e}$ |
| 550S125-30 | 33 | $12^{\prime \prime}{ }^{\prime \prime}$ | $11^{\prime \prime} 6^{\prime \prime}$ | 10' ${ }^{\prime \prime}$ | 17'11" | $16^{\prime \prime} 8^{\prime \prime}$ | 14'11" | 11'2" | $10^{\prime} 4^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | 16' $2^{\prime \prime}$ | $14^{\prime} 11^{\prime \prime}$ | 13'4" | $9^{1} 2^{\prime \prime}$ | $8^{6} 6$ | $7{ }^{7 \prime}$ | $13^{\prime} 0{ }^{\prime \prime}$ | 12'1" | $10^{\prime \prime} 7 \mathrm{e}$ |
| 550S125-33 | 33 | 12' 10" | 11'11" | 10' ${ }^{\prime \prime}$ | 18'5" | $17^{\prime \prime} 1{ }^{\prime \prime}$ | $15^{\prime} 5^{\prime \prime}$ | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{1} 7{ }^{\prime \prime}$ | $16^{\prime} 7{ }^{\prime \prime}$ | $15^{\prime \prime} 5$ | $13^{\prime} 10^{\prime \prime}$ | $9^{\prime \prime} 5^{\prime \prime}$ | 8'9" | 7'10" | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime} 6{ }^{\prime \prime}$ | $11^{\prime \prime} 1{ }^{\prime \prime}$ |
| 550S125-43 | 33 | $14^{\prime} 1{ }^{\prime \prime}$ | $13^{\prime} 0$ | $11^{\prime} 8{ }^{\prime \prime}$ | $20^{\prime \prime} 0^{\prime \prime}$ | $18^{\prime} 6^{\prime \prime}$ | $16^{1} 7{ }^{\prime \prime}$ | $12^{\prime} 7{ }^{\prime \prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | $10^{\prime} 5^{\prime \prime}$ | 17'11" | $16^{\prime} 7{ }^{\prime \prime}$ | 14'11" | $10^{\prime \prime} 2^{\prime \prime}$ | $9^{\prime} 5$ " | $8^{\prime} 5^{\prime \prime}$ | $14^{\prime} 7^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime} 2^{\prime \prime}$ |

"e" web stiffeners required at supports.
See Ceiling Span Table Notes on page 96.

| Allowable Ceiling Spans - Deflection Limit L/360 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Section | Fy, ksi | 4 psf |  |  |  |  |  | 6 psf |  |  |  |  |  | 13 pst |  |  |  |  |  |
|  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  |
|  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  |
|  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) o.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) o.c. |  |  |
|  |  | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 |
| 550S137-27 | 33 | 13'8" | ${ }^{12} 8{ }^{\prime \prime}$ | 11'5" | 19' 9" | 18 '4" | $16^{16} 7{ }^{\prime \prime}$ | ${ }^{12}{ }^{\prime} 3^{\prime \prime}$ | 11'5" | $10^{\prime} 3^{\prime \prime}$ | ${ }^{17} 10^{\prime \prime}$ | 16'7" | 14'11" | 10'1" | $9^{\prime \prime} 4$ " | $8^{\prime \prime} 5^{\prime \prime} \mathrm{e}$ | $14^{\prime \prime}$ | $13^{3} 7^{\prime \prime}$ | 11'11"e |
| 550S137-30 | 33 | $14^{\prime \prime} 0^{\prime \prime}$ | 13'0" | 11'9" | 20'3" | 18'10" | 17'0" | 12'7" | 11'9" | $10^{\prime} 7{ }^{\prime \prime}$ | 18'3" | 17'0" | 15'4" | 10'4" | $9^{17}$ | $8^{\prime} 8{ }^{\prime \prime}$ | 15'0" | 13'11" | 12'4" |
| 550S137-33 | 33 | $14^{\prime \prime} 6^{\prime \prime}$ | 13'5" | 12'1" | 20'10" | 19'4" | 17'5" | 13'0" | 12'14 | 10'10" | 18'9" | 17'5" | 15'9" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{\prime} 10{ }^{\prime \prime}$ | 8'11" | $15^{\prime \prime} 5{ }^{\prime \prime}$ | $144^{\prime \prime}$ | $12^{\prime} 9 \mathrm{~g}$ e |
| 550S137-43 | 33 | 15'10" | 14'8" | 13'10 | $22^{\prime \prime} 6^{\prime \prime}$ | 20'10" | 18'9" | $14{ }^{\prime \prime}$ | 13'14 | 11'9" | $20^{\prime \prime} 3^{\prime \prime}$ | 18'9" | $16^{\prime} 10{ }^{\prime \prime}$ | 11'6" | $10^{\prime \prime} 8{ }^{\prime \prime}$ | $9^{17} 7$ | $16^{\prime} 6^{\prime \prime}$ | 15'4" | 13'9" |
| 550S162-33 | 33 | 16'6" | 15' ${ }^{\prime \prime}$ | 13'9" | 23'9" | 22110 | 1911" | 14'10" | 13'9" | 12'4" | 21'5" | 19'11" | 17'5" | 12'1" | $11^{\prime \prime}{ }^{\prime \prime}$ | $10^{\prime} 2{ }^{\prime \prime}$ | 17'0" | $15{ }^{\prime \prime}$ | ${ }^{13} 6^{\prime \prime} \mathrm{e}$ |
| 550S162-43 | 33 | 18'0" | $16^{\prime} 7{ }^{\prime \prime}$ | 14'11" | $25^{\prime \prime} 8^{\prime \prime}$ | 23'9" | 21'4" | $16^{\prime \prime} 1{ }^{\prime \prime}$ | 14'11" | 13'4" | 23'0" | 21'4" | 190' | 13'1" | $12{ }^{12}$ | 10'11" | 18'6" | $16^{\prime} 10$ | $14^{4} 88^{\prime \prime}$ |
| $6005125-27$ | 33 | 12'5" | 11'6" | $10^{\prime} 4^{\prime \prime}$ | 17'10" | $16^{\prime} 6$ " | 14'9" | 11'2" | 10'4" | $9^{\prime} 4^{\prime \prime}$ | $16^{\prime} 0$ | 14'9" | 13'2" | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{717}$ e | 12'11" | 11'11"e | $10^{\prime} 4^{\prime \prime} \mathrm{e}$ |
| 600S125-30 | 33 | 12'9" | 11'10" | $10^{\prime} 88^{\prime \prime}$ | 18'5" | 17'1" | $15^{\prime} 3$ " | 11'6" | $10^{\prime \prime} 8{ }^{\prime \prime}$ | $9^{\prime} 71$ | $16^{\prime} 6^{\prime \prime}$ | $15^{\prime} 3$ " | 13'8" | $9^{\prime \prime} 5^{\prime \prime}$ | $8^{\prime} 8^{\prime \prime}$ | $7{ }^{\prime} 10$ " | 13'4" | $12^{\prime} 4$ " | 10'11"e |
| 600S125-33 | 33 | 13'2" | $12^{\prime \prime}{ }^{\prime \prime}$ | 10'11" | 18'11" | 17'7" | 15'10" | 11'10" | 10'11" | $9^{\prime} 10$ " | $17^{1} 0$ | $15^{\prime} 10$ " | $14^{\prime \prime} 2^{\prime \prime}$ | $9^{1} 8{ }^{\prime \prime}$ | 8'11" | $8{ }^{111}$ | 13'10" | 12'9" | 11'5" |
| 600S125-43 | 33 | $14^{\prime \prime} 5^{\prime \prime}$ | 13'4" | 11'11" | $20^{\prime \prime} 6^{\prime \prime}$ | 18'11" | $17^{\prime} 0{ }^{\prime \prime}$ | 12'11" | 11111" | 10'8" | 18'4" | $17^{\prime} 0{ }^{\prime \prime}$ | 15'3" | $10^{\prime \prime} 5$ | 9'8" | $8^{\prime} 88^{\prime \prime}$ | 15'0" | 13'11" | $12^{\prime} 6^{\prime \prime}$ |
| 600S137-27 | 33 | $14^{\prime \prime} 0^{\prime \prime}$ | 13'0" | $11^{1} 8{ }^{\prime \prime}$ | $20^{\prime \prime} 2^{\prime \prime}$ | 18.8 " | $16^{\prime} 9$ " | 12'7" | 11'8" | 10'6" | $18^{\prime} 11$ | 16'9" | $15^{\prime} 0$ | $10^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 71$ | 8'7"e | $14^{\prime \prime} 8^{\prime \prime}$ | 13'7"e | 11'10'e |
| 600S137-30 | 33 | 14'5" | 13'4" | $12^{\prime} 0$ | 20'9" | $19^{\prime \prime} 3^{\prime \prime}$ | 17' 3 " | 12'11" | $12{ }^{1} 0$ | 10' $10^{\prime \prime}$ | 18' 8 " | $17^{\prime \prime} 3^{\prime \prime}$ | 15'6" | $10^{\prime \prime} 7$ | $9^{\prime} 10{ }^{\prime \prime}$ | $8^{\prime} 10$ " | 15' 2" | $14^{\prime} 0$ | $12^{\prime \prime} 5^{\prime \prime}$ |
| 6005137-33 | 33 | $14^{\prime \prime} 10^{\prime \prime}$ | 13'9" | $12^{\prime} 4^{\prime \prime}$ | 21'5" | 19'10" | 17' 10 | 13'4" | 12'4" | 11'2" | 19'3" | $17^{\prime} 10^{\prime \prime}$ | 16'0' | 10'11" | 10'1" | $9{ }^{\text {'10 }}$ | 15'8" | $14^{\prime} 6{ }^{\prime \prime}$ | $12^{\prime} 11{ }^{\prime \prime} \mathrm{e}$ |
| 6005137-43 | 33 | $16^{\prime} 3^{\prime \prime}$ | $15^{\prime} 0$ | 13'5" | $23^{17}$ | 21'5" | 19'3" | 14'6" | 13'5" | $12^{\prime} 0^{\prime \prime}$ | 20'9" | $19^{\prime \prime}{ }^{\prime \prime}$ | 17'3" | 11'9" | 10'11" | $9^{9} 10$ " | 16'11" | $15^{\prime} 9$ " | $14^{\prime \prime} 2^{\prime \prime}$ |
| 600S162-33 | 33 | 16'11" | 15'8" | 14'1" | 24'5" | $22^{8 \prime \prime}$ | $20.5 "$ | 15'2" | $14^{14}$ | $12^{\prime \prime} 8^{\prime \prime}$ | $22^{10}$ | $20^{\prime \prime} 5$ | 18'5" | 12'5" | $11^{\prime} 6{ }^{\prime \prime}$ | 10'5" | $18{ }^{\prime \prime} 0^{\prime \prime}$ | 16'6" | $14^{\prime \prime} 5^{\prime \prime}$ |
| 6005162-43 | 33 | 18'4" | $17^{\prime} 0^{\prime \prime}$ | 15'3" | $26^{\prime \prime} 3^{\prime \prime}$ | $24^{4 \prime}$ | 21'11" | 16'5" | $15^{\prime} 3$ " | $13^{\prime} 8^{\prime \prime}$ | $23^{\prime} 7{ }^{\prime}$ | 21'11" | 19'9" | 13'5" | $125^{\prime \prime}$ | 11'2" | 19'4" | 17'11" | 15'9" |
| 800\$125-33 | 33 | $14^{\prime \prime} 3^{\prime \prime}$ | $13^{\prime \prime} 3^{\prime \prime}$ | 11'11" | $20{ }^{\prime \prime}$ | 1910 ${ }^{10}$ | 17'1" | 12'10" | 11'11" | 10'9" | 18'5" | 17'1" | 15'3" | $10^{\prime \prime} 6^{\prime \prime}$ | $9^{\prime} 9^{\prime \prime}$ | 8'9'e | 14'11" | 13'9'e | $12^{\prime} 4^{\prime \prime} \mathrm{e}$ |
| 8005125-43 | 33 | 15'7" | $14^{\prime \prime} 4^{\prime \prime}$ | 12'11" | $22^{2 \prime}$ | $20^{\prime} 7{ }^{\prime \prime}$ | $186^{\prime \prime}$ | 13'11" | 12'11" | 117" | 19'11" | $18^{\prime \prime} 6^{\prime \prime}$ | 16'8" | $11^{\prime \prime} 4^{\prime \prime}$ | $10^{\prime} 6{ }^{\prime \prime}$ | $9{ }^{\prime} 5^{\prime \prime}$ | $16^{\prime \prime} 3^{\prime \prime}$ | $15^{\prime \prime} 17$ | $13^{\prime} 6^{\prime \prime}$ |
| 800S137-33 | 33 | 16'1" | 14'11" | 13'5" | $23^{2 \prime}$ | $21^{1} 6{ }^{\prime \prime}$ | 19'3" | $14^{\prime \prime} 6^{\prime \prime}$ | $13^{\prime \prime} 5^{\prime \prime}$ | 12'1" | 20'9" | $19^{\prime \prime}{ }^{\prime \prime}$ | 1713' | 11'10" | $11^{\prime} 0{ }^{\prime \prime}$ | $9^{\prime} 10^{\prime \prime} \mathrm{e}$ | 16'10" | $15^{\prime} 7^{\prime \prime} \mathrm{e}$ | $14^{\prime} 0^{\prime \prime} \mathrm{e}$ |
| 8005137-43 | 33 | 17'6" | $16^{\prime \prime}{ }^{\prime \prime}$ | $14^{\prime \prime} 6^{\prime \prime}$ | 25'1" | $23^{\prime} 3$ " | 20'11" | $15^{\prime} 8{ }^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime} 0{ }^{\prime \prime}$ | $22^{\prime \prime} 6^{\prime \prime}$ | $20^{\prime} 11{ }^{\prime \prime}$ | $18^{\prime} 10^{\prime \prime}$ | 12'9" | $11^{1} 10^{\prime \prime}$ | 10'8" | 18'5" | $17^{\prime \prime} 0^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ |
| 800S162-33 | 33 | 18'4" | 1710" | $15^{\prime}$ ' ${ }^{\prime \prime}$ | 26'4" | 2450 | 2111" | $16^{\prime} 6^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | 13'9" | 23' ${ }^{\prime \prime}$ | 21'11" | $19^{\prime} 7{ }^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime} 6^{\prime \prime}$ | 11'2" | $19^{\prime} 2^{\prime \prime}$ | 17'9"e | $15^{\prime} 10^{\prime \prime} \mathrm{e}$ |
| 800S162-43 | 33 | $19^{\prime \prime} 10^{\prime \prime}$ | 18'5" | $16^{\prime} 6^{\prime \prime}$ | $28^{\prime \prime} 6^{\prime \prime}$ | $26^{\prime \prime} 6^{\prime \prime}$ | $23^{\prime} 10^{\prime \prime}$ | $17^{\prime} 10^{\prime \prime}$ | $16^{\prime} 6^{\prime \prime}$ | $14^{\prime} 10^{\prime \prime}$ | $25^{\prime \prime} 8^{\prime \prime}$ | $23^{\prime \prime} 10^{\prime \prime}$ | $21^{\prime \prime} 5^{\prime \prime}$ | $14^{\prime \prime} 6^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{2} 2^{\prime \prime}$ | 20'11" | 19'4" | $17^{\prime \prime} 4^{\prime \prime}$ |


| Allowable Ceiling Spans - Deflection Limit L/240 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 4 pst |  |  |  |  |  | 6 psf |  |  |  |  |  | 13 pst |  |  |  |  |  |
|  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  |
|  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  |
|  |  | Joist Spacing (in) o.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) o.c. |  |  |
| Section | Fy, ksi | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 |
| 162S125-18 | 33 | $7^{1} 3^{\prime \prime}$ | 6'7" | $5^{\prime} 10$ | $8^{\prime} 3^{\prime \prime}$ | $75^{\prime \prime}$ | $6^{\prime} 6$ ' | $6^{\prime} 5$ | 5'10" | $5^{\prime} 1{ }^{11}$ | $7^{1} 2$ | $6^{6} 6$ | $5^{\prime} 8^{\prime \prime}$ | $5^{\prime} 0^{\prime \prime}$ | $4^{4} 5^{\prime \prime}$ | $3^{\prime} 9^{\prime \prime}$ | $5{ }^{\prime \prime}$ | $4^{1} 10$ | $3^{3} 11{ }^{\prime \prime}$ |
| 162S125-27 | 33 | $8^{\prime} 7{ }^{\prime \prime}$ | 7'11" | 711 | 9'8" | $8^{\prime \prime} 9^{\prime \prime}$ | $7{ }^{1} 8$ | $7{ }^{\prime \prime} 8^{\prime \prime}$ | $7{ }^{11}$ | $6^{\prime} 3^{\prime \prime}$ | $8^{\prime \prime} 5^{\prime \prime}$ | $7{ }^{1} 8$ | $6^{\prime} 8{ }^{\prime \prime}$ | $6^{\prime} 1{ }^{\prime \prime}$ | $5^{\prime} 6{ }^{\prime \prime}$ | $4^{4} 9$ | $6^{\prime} 6{ }^{\prime \prime}$ | $5{ }^{\prime} 11$ " | $5^{\prime} 2^{\prime \prime}$ |
| 162S125-30 | 33 | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{1} 4$ | $9^{9} 11{ }^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $7{ }^{\prime} 11^{\prime \prime}$ | $8{ }^{\prime} 0$ | $7{ }^{1} 4$ | $6^{\prime} 6{ }^{\prime \prime}$ | $8^{\prime \prime} 8^{\prime \prime}$ | $77^{\prime \prime} 1$ | $6^{\prime} 11^{\prime \prime}$ | $6^{\prime} 5^{\prime \prime}$ | $5{ }^{\text {S }} 10$ | $5^{1} 0^{\prime \prime}$ | $6^{\prime} 9$ | $6^{111}$ | $5^{\prime} 4^{\prime \prime}$ |
| 162S125-33 | 33 | $9^{\prime} 5^{\prime \prime}$ | $8^{8} 8{ }^{\prime \prime}$ | $7{ }^{1} 8^{\prime \prime}$ | 10'3' ${ }^{\prime \prime}$ | $94^{\prime \prime}$ | $8^{\prime} 2^{\prime \prime}$ | $8^{\prime \prime} 4^{\prime \prime}$ | $7{ }^{1} 8{ }^{\prime \prime}$ | $6^{\prime} 10{ }^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 2^{\prime \prime}$ | $7{ }^{11}$ | $6^{\prime} 88^{\prime \prime}$ | 6'1" | $54^{\prime \prime}$ | $6^{6} 11{ }^{\prime \prime}$ | $6^{\prime} 4$ | $5^{\prime} 6^{\prime \prime}$ |
| 162S137-27 | 33 | $9^{\prime} 11{ }^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ | $80^{\prime \prime}$ | 10'1" | $9^{\prime \prime}{ }^{\prime \prime}$ | $80^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $80^{\prime \prime}$ | $7{ }^{\prime} 0$ | $88^{\prime} 10{ }^{\prime \prime}$ | $80^{\prime \prime}$ | $7{ }^{10}$ | $6^{\prime} 10^{\prime \prime}$ | $6^{\prime} 2^{\prime \prime}$ | $5^{\prime} 5^{\prime \prime}$ | $6^{\prime} 10^{\prime \prime}$ | $6^{\prime} 2^{\prime \prime}$ | $5^{\prime} 5^{\prime \prime}$ |
| 162S137-30 | 33 | 10'3" | $9^{\prime} 6^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $10^{\prime \prime} 5^{\prime \prime}$ | $9^{\prime} 6{ }^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $9^{\prime \prime} 10$ | $8^{\prime} 3^{\prime \prime}$ | $73^{\prime \prime}$ | $9^{\prime \prime} 1^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $73^{\prime \prime}$ | 7'1" | $6^{\prime} 5^{\prime \prime}$ | $5^{\prime} 70$ | $7{ }^{10} 10$ | $6^{\prime} 5^{\prime \prime}$ | $5^{\prime} 7{ }^{\prime \prime}$ |
| 162S137-33 | 33 | 10'9" | $9^{\prime} 9^{\prime \prime}$ | $8^{\prime} 7^{\prime \prime}$ | 10'9" | $9^{\prime \prime} 9^{\prime \prime}$ | $8^{\prime} 70$ | $9^{\prime \prime} 5^{\prime \prime}$ | $8{ }^{17}$ | $76^{\prime \prime}$ | $9^{\prime \prime} 5^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime}$ | $76^{\prime \prime}$ | $7{ }^{\prime \prime} 3^{\prime \prime}$ | $6^{\prime} 7{ }^{\prime \prime}$ | $5^{\prime} 9$ | $7{ }^{\prime} 3^{\prime \prime}$ | $6^{\prime} 7{ }^{\prime \prime}$ | 5'9" |
| 250S125-18 | 33 | $8^{\prime \prime} 5^{\prime \prime}$ | $7{ }^{19}$ | 6'11" | $11^{\prime \prime} 4^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $7^{\prime} 6^{\prime \prime}$ | $6^{\prime} 111^{\prime \prime}$ | $6^{\prime} 2^{\prime \prime}$ | $9^{\prime} 11^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $7{ }^{\prime \prime}$ | $6^{\prime} 0^{\prime \prime}$ | $5^{\prime} 6{ }^{\prime \prime}$ | $4^{\prime} 10^{\prime \prime} \mathrm{e}$ | $7{ }^{\prime} 6^{\prime \prime}$ | $6^{\prime} 7{ }^{\prime \prime}$ | $5^{\prime} 6^{\prime \prime} \mathrm{e}$ |
| 250S125-27 | 33 | $9^{\prime \prime} 8^{\prime \prime}$ | $8^{\prime} 111$ | $8^{\prime} 0^{\prime \prime}$ | $13^{\prime} 4^{\prime \prime}$ | $12{ }^{17}$ | 10'7" | $8^{\prime} 8{ }^{\prime \prime}$ | $80^{\prime \prime}$ | $7{ }^{\prime} 2^{\prime \prime}$ | $11^{1} 8{ }^{\prime \prime}$ | $10^{\prime} 7^{\prime \prime}$ | $9^{9} 3{ }^{\prime \prime}$ | $7{ }^{1} 0^{\prime \prime}$ | $6^{6} 6{ }^{\prime \prime}$ | $5^{\prime} 90$ | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 2^{\prime \prime}$ | $6^{\prime} 10^{\prime \prime}$ |
| 250S125-30 | 33 | 10'0' | 9'3" | $8^{\prime} 3^{\prime \prime}$ | 13'9" | $12^{\prime} 6^{\prime \prime}$ | 10'11" | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{\prime} 5^{\prime \prime}$ | $120^{\prime \prime}$ | 10'11" | $9^{\prime} 6^{\prime \prime}$ | $7{ }^{\prime} 3^{\prime \prime}$ | $6^{\prime} 88^{\prime \prime}$ | $6^{\prime} 0$ | $9^{\prime \prime}{ }^{\prime \prime}$ | $8^{\prime} 5^{\prime \prime}$ | $7{ }^{1} 3^{\prime \prime}$ |
| 2500125-33 | 33 | 10'5" | $9^{9} 8{ }^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime}$ | $14^{\prime \prime} 3^{\prime \prime}$ | 12'11" | $11^{\prime \prime} 3^{\prime \prime}$ | $9^{\prime} 4{ }^{4 \prime}$ | $8^{8} 7{ }^{\prime \prime}$ | $78^{\prime \prime}$ | $12^{\prime \prime} 5^{\prime \prime}$ | 111 $3^{\prime \prime}$ | $9^{1} 10^{\prime \prime}$ | $7^{\prime} 6^{\prime \prime}$ | $6^{6} 11{ }^{\prime \prime}$ | $6^{\prime} 21$ | 9'7" | $8^{\prime} 9$ | $77^{\prime \prime}$ |
| 250S125-43 | 33 | 11'9" | 10' $10{ }^{\prime \prime}$ | $9^{\prime 7}$ | 15'6" | 14'1" | $12^{\prime \prime} 3^{\prime \prime}$ | 10'5" | $9^{17}$ | $8^{\prime} 6^{\prime \prime}$ | 13'6" | $12^{\prime} 3^{\prime \prime}$ | 10'9" | $8^{\prime} 4{ }^{\prime \prime}$ | $7{ }^{18}$ | $6^{\prime} 10^{\prime \prime}$ | $10^{\prime \prime} 5^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ |
| 250S137-27 | 33 | $11^{\prime} 0^{\prime \prime}$ | $10^{\prime \prime} 2^{\prime \prime}$ | 914 | $14^{\prime \prime} 0^{\prime \prime}$ | $129^{\prime \prime}$ | $11^{12} 1{ }^{\prime \prime}$ | $9^{\prime} 10{ }^{\prime \prime}$ | $9^{\prime \prime} 14$ | $8{ }^{\prime} 2^{\prime \prime}$ | $12^{\prime} 3$ " | $11^{17}$ | $9^{\prime} 9 \prime$ | $8^{\prime} 0^{\prime \prime}$ | $7^{1} 5$ | $6^{\prime} 8{ }^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $8^{17}$ | $76^{\prime \prime}$ |
| 2500137-30 | 33 | 11'4" | $10^{\prime \prime} 6^{\prime \prime}$ | $9^{\prime \prime} 5^{\prime \prime}$ | $14^{\prime \prime} 5^{\prime \prime}$ | 13'2" | $11^{1} 6^{\prime \prime}$ | $10^{\prime \prime}{ }^{\prime \prime}$ | $9^{15}{ }^{\prime \prime}$ | $8^{\prime} 5^{\prime \prime}$ | $12^{3 \prime} 8^{\prime \prime}$ | $11^{1} 6^{\prime \prime}$ | $10^{\prime} 0$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{18}$ | $6^{\prime} 10$ " | $9^{\prime} 91$ | $8^{\prime} 10{ }^{\prime \prime}$ | $7{ }^{19}$ |
| 250S137-33 | 33 | 11'10" | 10'11" | $9^{\prime 9} 9$ | 14'11" | $13^{\prime} 7{ }^{\prime \prime}$ | 11'10" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{\prime \prime} 9^{\prime \prime}$ | $8^{\prime} 9$ | $13^{1} 1{ }^{\prime \prime}$ | 11'10" | $10^{\prime \prime} 4^{\prime \prime}$ | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{7} 110$ | $7{ }^{11}$ | 10'1" | $9^{\prime} 2^{\prime \prime}$ | $8^{1} 0^{\prime \prime}$ |
| 2500137-43 | 33 | 13'2" | $12^{\prime \prime} 2^{\prime \prime}$ | 10'9" | $16^{\prime \prime} 3^{\prime \prime}$ | $14^{\prime \prime} 9$ | 12'11" | 11'9" | 10'9" | $9^{17}$ | $14^{\prime \prime} 2^{\prime \prime}$ | 12'11" | 11'3" | $9^{\prime \prime} 5^{\prime \prime}$ | $8^{\prime} 8{ }^{\prime \prime}$ | $7{ }^{\prime \prime}$ | 10'11" | $9^{\prime \prime 11 "}$ | $8^{\prime} 8{ }^{\prime \prime}$ |
| 250S162-33 | 33 | 13'6" | 12'5" | 11'2" | 15'8" | $14^{\prime 3}$ | 12'5" | $12^{17}$ | 11'2" | $10^{\prime} 0$ | $13^{\prime \prime} 8^{\prime \prime}$ | $12^{\prime} 5^{\prime \prime}$ | 10'10" | 9'9" | $9{ }^{10}$ | $8{ }^{\prime} 0$ | 10'7" | 9'7" | $8^{\prime} 5^{\prime \prime}$ |
| 250S162-43 | 33 | 14'11" | 13'9" | $12^{\prime \prime} 3^{\prime \prime}$ | 17'1" | $15^{\prime} 6{ }^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | 13'4" | $12^{\prime \prime} 3^{\prime \prime}$ | 10'11" | 14'11" | $13^{\prime} 6^{\prime \prime}$ | 11'10" | 10'8" | $9^{\prime} 10^{\prime \prime}$ | $8^{\prime} 10$ " | 11'6" | $10^{\prime \prime} 5^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ |
| 350S125-18 | 33 | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{\prime} 6^{\prime \prime}$ | $12^{1} 6^{\prime \prime}$ | 11'5" | $9^{\prime 111 "}$ | $8^{\prime} 3^{\prime \prime}$ | $7^{\prime} 6^{\prime \prime}$ | $6^{6} 8{ }^{\prime \prime}$ | 11'0" | $9^{1111}$ | $8^{\prime \prime} 5^{\prime \prime}$ e | $6^{\prime} 6^{\prime \prime}$ | 5'11"e | $5^{\prime} 3$ " e | 8'2"e | $7{ }^{\prime} 2^{\prime \prime}$ | $6^{\prime} \mathrm{O}^{\prime \prime} \mathrm{e}$ |
| 350S125-27 | 33 | 10'6" | 9'9" | $8^{\prime \prime}{ }^{\prime \prime}$ | 14'11" | 13'9" | 12'3" | $9^{\prime} 5^{\prime \prime}$ | $8^{\prime \prime} 9^{\prime \prime}$ | 7'9" | $13^{13} 4{ }^{\prime \prime}$ | $12^{\prime} 3^{\prime \prime}$ | 10' 8" | 7'7" | $7{ }^{1} 0$ | $6^{\prime} 4$ " | 10'4" | $9^{\prime \prime} 3^{\prime \prime}$ | $7{ }^{\prime} 10$ " |
| 350S125-30 | 33 | 10'11" | 10'1" | $90^{\prime \prime}$ | 15'5" | $14^{\prime 2}$ | 12'9" | $9^{\prime \prime} 9^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $8{ }^{\prime} 11$ | 13'9" | $12^{\prime} 9^{\prime \prime}$ | $11^{1 / 3}$ | 7'11" | $73^{\prime \prime}$ | $6^{\prime} 66^{\prime \prime}$ | 10'11" | $9^{\prime} 9$ | $8^{\prime \prime} 4^{\prime \prime}$ |
| 350S125-33 | 33 | 11'4" | 10'5" | $9^{\prime} 4{ }^{\prime \prime}$ | $16^{\prime} 0^{\prime \prime}$ | 14'9" | $13^{\prime 2} 2^{\prime \prime}$ | 10'1" | $9{ }^{\prime \prime}{ }^{\prime \prime}$ | $8^{\prime \prime} 4^{\prime \prime}$ | $14^{\prime \prime} 3^{\prime \prime}$ | $13^{\prime 2}{ }^{\prime \prime}$ | 11'9" | $8^{\prime} 2^{\prime \prime}$ | $7{ }^{17}$ | $6^{\prime} 9$ " | 11'6" | 10'5" | $8^{\prime} 1010$ |
| 350S125-43 | 33 | 12'7" | 1117" | $10^{\prime \prime} 3^{\prime \prime}$ | 17'7" | $16^{\prime} 2$ " | $14^{4} 6^{\prime \prime}$ | 11'2" | $10^{\prime \prime} 3^{\prime \prime}$ | $9^{\prime \prime} 2^{\prime \prime}$ | 15'8" | $14^{4} 6^{\prime \prime}$ | 12'11" | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime \prime} 3^{\prime \prime}$ | $7{ }^{7} 5^{\prime \prime}$ | 12'7" | 11'6" | $10^{\prime \prime} 1^{\prime \prime}$ |
| 350S137-27 | 33 | 11'11" | $11^{\prime \prime}$ | 9'11" | 17'0" | 15'9" | $14^{4 \prime} 1^{\prime \prime}$ | $10^{\prime} 8{ }^{\prime \prime}$ | 9'11" | $8^{\prime} 10{ }^{\prime \prime}$ | $15^{\prime} 3$ " | $14^{4 \prime}$ | 12'4" | $8^{\prime} 8{ }^{\prime \prime}$ | $8^{\prime} 1{ }^{\prime \prime}$ | $7{ }^{\prime} 3$ " | 12'0" | $10^{\prime} 7{ }^{\prime \prime}$ | $8^{\prime \prime 114} \mathrm{e}$ |
| 350S137-30 | 33 | 12'4" | 11'5" | 10'2" | 17'6" | $16^{\prime} 3$ " | $14^{\prime} 7{ }^{\prime \prime}$ | 11'0" | 10'2' | $9^{\prime} 2^{\prime \prime}$ | 15'9" | $14^{\prime} 7{ }^{\prime \prime}$ | 12'10" | 8'11" | $8^{\prime} 4^{\prime \prime}$ | $7{ }^{7} 5^{\prime \prime}$ | 12'6" | 11'3" | $9^{\prime} 6^{\prime \prime}$ |
| 350S137-33 | 33 | 12'9" | 1119" | $10^{\prime} 7{ }^{\prime \prime}$ | $18^{\prime \prime}{ }^{\prime \prime}$ | $16^{\prime} 9$ 9" | $15^{\prime} 1{ }^{\prime \prime}$ | 11'5" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{16} 6^{\prime \prime}$ | $16^{\prime} 3^{\prime \prime}$ | $15^{1} 1$ | 13'4" | $9^{\prime} 3^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime}$ | $78^{\prime \prime}$ | 13'0" | 1119" | $10^{\prime \prime}$ |
| 3501137-43 | 33 | 14'17 | $13^{\prime} 0^{\prime \prime}$ | 1177 | $19^{\prime \prime} 10^{\prime \prime}$ | $184^{\prime \prime}$ | $16^{\prime} 5^{\prime \prime}$ | $12^{\prime} 7{ }^{\prime \prime}$ | $11^{\prime \prime} 7^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | 17'9" | $16^{\prime} 5^{\prime \prime}$ | $14^{4} 7^{\prime \prime}$ | $10^{\prime \prime} 1{ }^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | $8^{\prime} 44^{\prime \prime}$ | $14^{\prime \prime} 2^{\prime \prime}$ | 12 $11{ }^{\prime \prime}$ | $11^{\prime \prime} 3^{\prime \prime}$ |

"e" web stiffeners required at supports.
See Ceiling Span Table Notes on page 96.

| Allowable Ceiling S |  |  |  |  |  |  |  | pans - Deflection Limit L/240 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Section | Fy, ksi | $4 \text { psf }$ |  |  |  |  |  | 6 psf |  |  |  |  |  | 13 psf |  |  |  |  |  |
|  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  |
|  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  |
|  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  |
|  |  | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 |
| 350S162-33 | 33 | $14^{\prime} 6^{\prime \prime}$ | 13'5" | $12^{\prime} 0$ " | $20^{\prime \prime} 3^{\prime \prime}$ | 18' 5 " | 16'1" | $13^{\prime} 0{ }^{\prime \prime}$ | $12^{\prime} 0{ }^{\prime \prime}$ | 10'10' | 17' 9" | $16^{\prime \prime} 1^{\prime \prime}$ | $14^{\prime \prime} 1{ }^{\prime \prime}$ | 10'7" | $9^{\prime} 10{ }^{\prime \prime}$ | $8^{\prime} 10{ }^{\prime \prime}$ | $13^{1} 8^{\prime \prime}$ | 12'5" | 10' $10^{\prime \prime}$ |
| 350S162-43 | 33 | $16^{\prime \prime} 0^{\prime \prime}$ | $14^{\prime \prime} 9$ | $13^{\prime} 2^{\prime \prime}$ | $22^{\prime \prime} 1{ }^{\prime \prime}$ | $20^{\prime} 0^{\prime \prime}$ | $17^{\prime} 6^{\prime \prime}$ | $14^{\prime \prime} 3^{\prime \prime}$ | $13^{\prime 2}$ | 11'9" | 19'3' | $17^{\prime} 6^{\prime \prime}$ | 15' $3^{\prime \prime}$ | 11'6" | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | 14'11" | $13^{\prime} 6^{\prime \prime}$ | 11'10" |
| 362S125-18 | 33 | $9^{\prime} 3^{\prime \prime}$ | $8^{17}$ | $7{ }^{7 \prime}$ | $12^{\prime \prime} 8^{\prime \prime}$ | 11'7" | $10^{\prime} 0^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{7 \prime}$ | $6{ }^{\prime \prime}$ | 11'2" | $10^{\prime} 0^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime} \mathrm{e}$ | $6^{17}$ | $6^{\prime} 0{ }^{\prime \prime}$ e | 5'4"e | $8^{\prime} 3^{\prime \prime} \mathrm{e}$ | $7{ }^{1 / 4} \mathrm{e}$ | 6'1"e |
| 362S125-27 | 33 | 10' 8" | $9^{\prime} 10{ }^{\prime \prime}$ | $8^{\prime} 10$ | $15^{\prime} 0$ | 13'11" | $12^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $7{ }^{\prime} 10$ | 13' $5^{\prime \prime}$ | $12{ }^{\prime \prime}$ | 10' 9" | $7^{\prime} 8{ }^{\prime \prime}$ | $7{ }^{1} 1{ }^{\prime \prime}$ | $6^{\prime} 4^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | $7^{1111}$ |
| 362S125-30 | 33 | 11'0' | 10' 2 " | $9^{\prime} 1{ }^{\prime \prime}$ | 15' $6^{\prime \prime}$ | $14^{\prime \prime}{ }^{\prime \prime}$ | 12' $10^{\prime \prime}$ | $9^{\prime} 10{ }^{\prime \prime}$ | $9^{1} 1{ }^{\prime \prime}$ | $8^{\prime} 2^{\prime \prime}$ | 13'11" | $12^{\prime} 10^{\prime \prime}$ | $11^{\prime \prime} 4^{\prime \prime}$ | $8^{\prime} 0^{\prime \prime}$ | $7{ }^{1} 4$ | $6^{\prime} 7{ }^{\prime \prime}$ | 11'1" | $9^{\prime} 11{ }^{\prime \prime}$ | $8^{\prime} 5^{\prime \prime}$ |
| 362S125-33 | 33 | 11'5" | 10'6" | $9^{\prime} 5{ }^{\prime \prime}$ | 16' $\mathbf{2}^{\prime \prime}$ | $14^{\prime} 10$ " | $13^{\prime} 3^{\prime \prime}$ | 10' $2^{\prime \prime}$ | $9^{1} 5^{\prime \prime}$ | $8^{\prime} 5{ }^{\prime \prime}$ | 14'5" | $13^{\prime \prime} 3^{\prime \prime}$ | 11'10" | $8^{1} 3^{\prime \prime}$ | $7{ }^{1} 8$ | $6^{\prime} 10^{\prime \prime}$ | 11'7" | 10' $6^{\prime \prime}$ | $9^{\prime} 0{ }^{\prime \prime}$ |
| 362S125-43 | 33 | 12' $8^{\prime \prime}$ | 11'8" | $10^{\prime} 4^{\prime \prime}$ | 17' $9^{\prime \prime}$ | $16^{\prime} 4^{\prime \prime}$ | $14^{\prime \prime} 8$ | 11'3" | $10^{\prime} 4^{\prime \prime}$ | $9^{1} 3$ " | 15' $10{ }^{\prime \prime}$ | $14^{\prime} 8^{\prime \prime}$ | $13^{\prime \prime} 1^{\prime \prime}$ | $9^{1} 1{ }^{\prime \prime}$ | $8^{\prime} 4^{\prime \prime}$ | $76^{\prime \prime}$ | 12' 9" | $11^{\prime \prime} 8^{\prime \prime}$ | $10^{\prime} 2^{\prime \prime}$ |
| 362S137-27 | 33 | $12^{\prime} 0{ }^{\prime \prime}$ | 11'1" | $10^{\prime} 0$ | 17' 2 " | 15'11" | $14^{\prime \prime} 3^{\prime \prime}$ | 10' 9" | $10^{\prime} 0$ | 8'11" | 15'5" | $14^{\prime} 3^{\prime \prime}$ | $12^{\prime} 6^{\prime \prime}$ | 8'9" | $8^{\prime \prime} 1{ }^{\prime \prime}$ | $7{ }^{\prime \prime}$ | 12' 2 " | 10'9" | 9'1"e |
| 362S137-30 | 33 | $12^{\prime} 5^{\prime \prime}$ | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | 17' $8^{\prime \prime}$ | $16^{\prime} 5^{\prime \prime}$ | $14^{\prime} 8^{\prime \prime}$ | $11^{\prime} 2^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | $9^{1} 3 \prime$ | 15'11" | $14^{\prime} 8^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $8^{14}$ | $76^{\prime \prime}$ | 12' $8^{\prime \prime}$ | $11^{\prime} 5^{\prime \prime}$ | $9^{\prime} 8^{\prime \prime}$ |
| 362S137-33 | 33 | 12' 10" | 11'11" | $10^{\prime} 8^{\prime \prime}$ | $18^{\prime} 3^{\prime \prime}$ | 16'11" | $15^{\prime} 2^{\prime \prime}$ | 11'6" | $10^{\prime} 8{ }^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | $16^{\prime} 5^{\prime \prime}$ | $15^{\prime} 2^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ | $8^{18} 8$ | $7{ }^{\prime \prime}$ | 13' 2 " | 11'11" | $10^{\prime} 2^{\prime \prime}$ |
| 362S137-43 | 33 | $14^{\prime \prime} 3^{\prime \prime}$ | 13'1" | $11^{\prime \prime} 8^{\prime \prime}$ | $20^{\prime \prime} 0$ | $18^{\prime} 6{ }^{\prime \prime}$ | $16^{\prime} 7{ }^{\prime \prime}$ | $12^{\prime \prime} 8^{\prime \prime}$ | 11'8" | 10' 5" | 17'11" | 16'7" | $14^{\prime \prime} 9^{\prime \prime}$ | $10^{\prime} 3^{\prime \prime}$ | $9^{\prime \prime} 5^{\prime \prime}$ | $8^{\prime} 5^{\prime \prime}$ | $14^{\prime} 5^{\prime \prime}$ | $13^{\prime} 2^{\prime \prime}$ | $11^{\prime} 5{ }^{\prime \prime}$ |
| 362S162-33 | 33 | $14^{\prime} 8^{\prime \prime}$ | $13^{\prime} 7{ }^{\prime \prime}$ | $12^{\prime \prime}{ }^{\prime \prime}$ | 20'10" | 18'11" | $16^{\prime} 6{ }^{\prime \prime}$ | 13' $2^{\prime \prime}$ | $12^{\prime} 2^{\prime \prime}$ | 10'11" | 18' 2 " | $16^{\prime} 6^{\prime \prime}$ | 14'5" | 10' $8^{\prime \prime}$ | $9^{\prime} 11{ }^{\prime \prime}$ | $8^{\prime} 10{ }^{\prime \prime}$ | 14'1" | $12^{\prime} 9 \prime$ | $11^{\prime \prime} 2^{\prime \prime}$ |
| 362S162-43 | 33 | $16^{\prime \prime} 1{ }^{\prime \prime}$ | $14^{\prime} 10^{\prime \prime}$ | $13^{\prime} 3^{\prime \prime}$ | $22^{\prime \prime} 8^{\prime \prime}$ | 20'7" | $18^{\prime} 0$ | $14^{\prime} 5^{\prime \prime}$ | $13^{\prime} 3^{\prime \prime}$ | 11'11" | 19'10" | $18^{\prime} 0{ }^{\prime \prime}$ | 15'9" | $11^{1} 8{ }^{\prime \prime}$ | 10' $0^{\prime \prime}$ | $9^{\prime} 8{ }^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | $13^{\prime} 11^{\prime \prime}$ | $12^{\prime \prime} 2^{\prime \prime}$ |
| 400S125-18 | 33 | $9^{\prime} 6^{\prime \prime}$ | 8'9" | 7'10" | $13^{\prime \prime} 0^{\prime \prime}$ | 11'11" | $10^{\prime} 5^{\prime \prime}$ | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{1} 10$ | $6^{\prime} 11{ }^{\prime \prime}$ | 11'6" | $10^{\prime \prime}{ }^{\prime \prime}$ | 8'11"e | $6^{\prime} 9 \prime$ | $6^{\prime} 2^{\prime \prime} \mathrm{e}$ | $5^{\prime} 6^{\prime \prime} \mathrm{e}$ | 8' 8 " e | 7'8"e | $6^{\prime \prime} 5^{\prime \prime}$ |
| 400S125-27 | 33 | 10'11" | 10'1" | $9^{\prime} 0{ }^{\prime \prime}$ | 15'5" | $14^{\prime} 3^{\prime \prime}$ | 12' ${ }^{\prime \prime}$ | $9^{\prime} 9^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 1{ }^{\prime \prime}$ | 13'10" | 12'9" | 11'2" | 7'11" | $74^{\prime \prime}$ | $6^{\prime} 6{ }^{\prime \prime}$ | 10'10" | $9^{\prime} 9^{\prime \prime}$ | $8^{\prime} 4{ }^{\prime \prime}$ |
| 400S125-30 | 33 | 11'3" | $10^{\prime} 5^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ | 15'11" | $14^{\prime \prime}{ }^{\prime \prime}$ | $13^{\prime} 2^{\prime \prime}$ | $10^{\prime \prime} 1^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ | $8^{\prime} 4{ }^{\prime \prime}$ | $14^{\prime} 3^{\prime \prime}$ | $13^{\prime \prime}{ }^{\prime \prime}$ | 11'9" | $8^{\prime} 2^{\prime \prime}$ | $77^{\prime \prime}$ | $6^{\prime} 9 \prime \prime$ | 11'5" | $10^{\prime} 4^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ |
| 400S125-33 | 33 | 11'9" | 10'10" | $9^{\prime} 8{ }^{\prime \prime}$ | $16^{\prime} 7{ }^{\prime \prime}$ | $15^{\prime \prime}{ }^{\prime \prime}$ | $13^{\prime} 8^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 8{ }^{\prime \prime}$ | $8^{18} 8$ | $14^{\prime \prime}$ | 13' $8^{\prime \prime}$ | $12^{\prime \prime} 3^{\prime \prime}$ | $8^{\prime} 6^{\prime \prime}$ | $7^{1} 10{ }^{\prime \prime}$ | $70^{\prime \prime}$ | 11'11" | 10'11" | $9^{\prime} 5{ }^{\prime \prime}$ |
| 400S125-43 | 33 | $13^{\prime \prime} 0$ | 1111" | $10^{\prime} 8^{\prime \prime}$ | 18' ${ }^{\prime \prime}$ | $16^{\prime \prime}{ }^{\prime \prime}$ | $15^{\prime} 0$ | 11'7" | 10'8" | $9^{\prime} 6^{\prime \prime}$ | 16'3" | $15^{\prime \prime} 0$ | 13' ${ }^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime}$ | $7{ }^{1 \prime}$ | 13'1" | 12'1" | $10^{\prime} 7{ }^{\prime \prime}$ |
| 400S137-27 | 33 | 12' 4' | 11'5" | $10^{\prime} 3^{\prime \prime}$ | 17' 7 " | $16^{\prime} 4^{\prime \prime}$ | $14^{\prime \prime} 8$ | 11'1" | 10'3" | $9^{1} 2^{\prime \prime}$ | 15' 10" | $14^{\prime \prime} 8^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $9^{\prime} 0$ | $8^{1} 4{ }^{\prime \prime}$ | $76^{\prime \prime}$ | 12' $7^{\prime \prime}$ | $11^{\prime \prime}{ }^{\prime \prime}$ | 9'6"e |
| 400S137-30 | 33 | 12' 9" | 11'9" | $10^{\prime} 7{ }^{\prime \prime}$ | 18' 2" $^{\prime}$ | $16^{\prime} 10{ }^{\prime \prime}$ | 15'1" | 11'5" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $16^{\prime} 3^{\prime \prime}$ | $15^{\prime \prime} 1{ }^{\prime \prime}$ | 13' ${ }^{\prime \prime}$ | $9^{1} 3$ " | $8^{\prime} 7{ }^{\prime \prime}$ | $7{ }^{1} 8$ | 13'1" | 11'10" | $10^{1} 1{ }^{\prime \prime}$ |
| 400S137-33 | 33 | 13' $3^{\prime \prime}$ | $12^{\prime \prime}$ | 10'11" | 18' $9^{\prime \prime}$ | $17^{\prime} 4^{\prime \prime}$ | $15^{\prime} 7{ }^{\prime \prime}$ | 11'10" | 10'11" | 9'9" | 16'10" | $15^{\prime} 7{ }^{\prime \prime}$ | 13'11" | $9^{\prime} 7{ }^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | 7'11" | $13^{\prime} 7{ }^{\prime \prime}$ | $12^{\prime \prime} 4^{\prime \prime}$ | 10'8" |
| 400S137-43 | 33 | $14^{\prime} 7{ }^{\prime \prime}$ | $13^{\prime} 5{ }^{\prime \prime}$ | $12^{\prime \prime} 0^{\prime \prime}$ | $20^{\prime \prime} 6^{\prime \prime}$ | 18'11" | $17{ }^{\prime \prime}$ | $13^{\prime \prime} 0^{\prime \prime}$ | $12^{\prime} 0$ | 10'9" | $18^{\prime} 4^{\prime \prime}$ | $17^{\prime} 0^{\prime \prime}$ | $15^{\prime} 2^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 8{ }^{\prime \prime}$ | $8^{\prime} 8{ }^{\prime \prime}$ | $14^{\prime} 10^{\prime \prime}$ | $13^{\prime} 7{ }^{\prime \prime}$ | 11'11" |
| 400S162-33 | 33 | $15^{\prime} 0^{\prime \prime}$ | 13'11" | $12^{\prime \prime}$ | 21'5" | 19'10" | 17' 9" | 13'5" | $12^{\prime \prime}{ }^{\prime \prime}$ | $11^{\prime} 2^{\prime \prime}$ | 19'3" | $17^{\prime \prime} 9^{\prime \prime}$ | $15^{\prime} 7$ " | 10'11" | 10' $2^{\prime \prime}$ | $9^{\prime} 1{ }^{\prime \prime}$ | $15^{\prime} 2^{\prime \prime}$ | 13' ${ }^{\prime \prime}$ | 11'9" |
| 400S162-43 | 33 | $16^{\prime} 6^{\prime \prime}$ | 15'3" | $13^{\prime} 8^{\prime \prime}$ | 23'4" | 217" | 19'4" | 14'9" | $13^{\prime \prime} 8^{\prime \prime}$ | $12^{\prime} 2^{\prime \prime}$ | $20^{\prime} 11^{\prime \prime}$ | $194^{\prime \prime}$ | 16'11" | 11'11" | $11^{\prime} 0^{\prime \prime}$ | $9^{\prime \prime 117}$ | $16^{\prime} 6^{\prime \prime}$ | $15^{\prime} 0^{\prime \prime}$ | $13^{\prime \prime} 1{ }^{\prime \prime}$ |
| 550S125-27 | 33 | 12'1" | 111 3' | $10^{\prime \prime} 1{ }^{\prime \prime}$ | 17' $5^{\prime \prime}$ | $16^{\prime \prime} 1{ }^{\prime \prime}$ | $14^{\prime} 5$ | 10'10" | $10^{1} 1{ }^{\prime \prime}$ | $9^{1} 1{ }^{\prime \prime}$ | 15'7" | $14^{\prime} 5^{\prime \prime}$ | 12'11" | 8'11" | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{17}$ | $12^{\prime} 7^{\prime \prime}$ | $11^{\prime} 7{ }^{\prime \prime}$ | $10^{\prime} 0^{\prime \prime}$ e |
| 550S125-30 | 33 | 12'5" | $11^{\prime} 6^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | 17'11" | $16^{\prime} 8{ }^{\prime \prime}$ | 14'11" | 11'2" | $10^{\prime} 4^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ | $16^{\prime} 2$ " | $14^{\prime} 11^{\prime \prime}$ | $13^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime} 6{ }^{\prime \prime}$ | $7{ }^{1 \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $12^{\prime} 1{ }^{\prime \prime}$ | $10^{\prime} 7{ }^{\prime \prime} \mathrm{e}$ |
| 550S125-33 | 33 | 12' $10^{\prime \prime}$ | 11'11" | $10^{\prime} 8^{\prime \prime}$ | 18' $5^{\prime \prime}$ | $17^{\prime \prime} 1{ }^{\prime \prime}$ | 15'5" | 11'6" | $10^{\prime} 8{ }^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | $16^{\prime} 7{ }^{\prime \prime}$ | $15^{\prime} 5{ }^{\prime \prime}$ | 13'10" | $9^{\prime \prime} 5^{\prime \prime}$ | $8^{\prime} 9 \prime$ | $7{ }^{\prime} 10$ | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime} 6^{\prime \prime}$ | 11'1" |
| 550S125-43 | 33 | $14^{\prime} 1^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $11^{\prime} 8^{\prime \prime}$ | $20^{\prime \prime} 0^{\prime \prime}$ | $18^{\prime} 6$ | $16^{\prime} 7{ }^{\prime \prime}$ | $12^{\prime} 7{ }^{\prime \prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | $10^{\prime} 5^{\prime \prime}$ | 17'11" | $16^{\prime} 7{ }^{\prime \prime}$ | 14'11" | $10^{\prime} 2^{\prime \prime}$ | $9^{15}$ | $8^{\prime} 5^{\prime \prime}$ | $14^{\prime} 7^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime 2}$ |
| 550S137-27 | 33 | 13' $\mathbf{8 ' \prime}^{\prime \prime}$ | 12' $8^{\prime \prime}$ | $11^{\prime \prime}{ }^{\prime \prime}$ | 19'9" | $18^{\prime \prime}{ }^{\prime \prime}$ | 16'7" | $12^{\prime \prime}{ }^{\prime \prime}$ | $11^{\prime} 5{ }^{\prime \prime}$ | $10^{\prime} 3^{\prime \prime}$ | 17'10" | $16^{\prime} 7{ }^{\prime \prime}$ | 14'11" | $10^{\prime} 1{ }^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | $8^{\prime \prime} 5^{\prime \prime} \mathrm{e}$ | $14^{\prime} 8^{\prime \prime}$ | $13^{\prime} 7$ " e | 11'11"e |
| 550S137-30 | 33 | $14^{\prime} 0{ }^{\prime \prime}$ | 13'0' | 11'9" | $20^{\prime \prime} 3^{\prime \prime}$ | $18^{\prime} 10^{\prime \prime}$ | $17^{\prime} 0^{\prime \prime}$ | $12^{\prime} 7^{\prime \prime}$ | 11'9" | $10^{\prime \prime} 7^{\prime \prime}$ | 18'3' | $17^{\prime} 0^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | $8^{8} 8{ }^{\prime \prime}$ | $15^{\prime} 0{ }^{\prime \prime}$ | 13'11" | $12^{\prime} 4^{\prime \prime} \mathrm{e}$ |
| 550S137-33 | 33 | $14^{\prime} 6^{\prime \prime}$ | 13'5" | $12^{1 \prime}$ | $20^{\prime} 10^{\prime \prime}$ | 19'4" | $17^{\prime \prime} 5^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $12^{17}$ | 10'10" | 18'9" | $17^{\prime \prime} 5^{\prime \prime}$ | 15' 9" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{\prime} 10{ }^{\prime \prime}$ | $8^{\prime} 11{ }^{\prime \prime}$ | $15^{\prime} 5^{\prime \prime}$ | $14^{\prime} 4^{\prime \prime}$ | $12^{\prime \prime} \mathrm{g}^{\prime \prime}$ |
| 550S137-43 | 33 | 15'10" | 14'8" | 13'1" | $22^{\prime \prime} 6^{\prime \prime}$ | 20' 10" | 18' $9^{\prime \prime}$ | $14^{\prime} 2^{\prime \prime}$ | 13'1" | 11' 9" | $20^{\prime \prime} 3^{\prime \prime}$ | 18'9' | 16'10" | $11^{\prime} 6^{\prime \prime}$ | 10' 8" | $9^{1} 7{ }^{\prime \prime}$ | $16^{\prime} 6^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | 13'9" |
| 550S162-33 | 33 | $16^{\prime} 6^{\prime \prime}$ | 15'3" | 13'9" | 23' $9^{\prime \prime}$ | 2211 | 19'11" | 14'10" | $13^{\prime \prime} 9$ | $12^{\prime} 4^{\prime \prime}$ | 21'5" | $19^{\prime} 11^{\prime \prime}$ | 17'11" | 12'1" | 11'3' | $10^{\prime} 2^{\prime \prime}$ | $17^{\prime} 7{ }^{\prime \prime}$ | $16^{\prime} 2^{\prime \prime}$ | $14^{\prime \prime} 3^{\prime \prime} \mathrm{e}$ |
| 550S162-43 | 33 | $18^{\prime} 0^{\prime \prime}$ | 16'7" | 14'11" | $25^{\prime \prime} 8^{\prime \prime}$ | 23'9" | $21^{\prime \prime}{ }^{\prime \prime}$ | $16^{11}$ | 14'11" | $13^{\prime \prime} 4^{\prime \prime}$ | $23^{\prime \prime}{ }^{\prime \prime}$ | $21^{\prime \prime} 4^{\prime \prime}$ | 19'3' | $13^{\prime} 1^{\prime \prime}$ | $12^{\prime \prime} 1^{\prime \prime}$ | 10'11" | 18' $10^{\prime \prime}$ | $17^{\prime} 6^{\prime \prime}$ | $15^{\prime} 6{ }^{\prime \prime}$ |
| 600S125-27 | 33 | $12^{\prime \prime} 5^{\prime \prime}$ | $11^{\prime} 6^{\prime \prime}$ | $10^{\prime \prime} 4^{\prime \prime}$ | 17'10" | $16^{\prime} 6^{\prime \prime}$ | 14'9" | 11'2" | $10^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 4$ " | $16^{\prime} 0{ }^{\prime \prime}$ | 14'9" | 13' ${ }^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime} 6{ }^{\prime \prime}$ | $7{ }^{\prime \prime} 7$ e | 12'11" | 11'11"e | $10^{\prime \prime} 4^{\prime \prime} \mathrm{e}$ |
| 600S125-30 | 33 | 12' 9' | 11'10" | $10^{\prime} 8^{\prime \prime}$ | 18' ${ }^{\prime \prime}$ | $17^{11} 1$ | $15^{\prime}{ }^{\prime \prime}$ | $11^{\prime} 6^{\prime \prime}$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | $16^{\prime} 6{ }^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ | $13^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime \prime}{ }^{\prime \prime}$ | $8^{\prime} 8{ }^{\prime \prime}$ | 7'10" | $13^{\prime} 4^{\prime \prime}$ | $12^{\prime} 4^{\prime \prime}$ | 10'11" e |
| 600S125-33 | 33 | $13^{\prime} 2^{\prime \prime}$ | 12' $2^{\prime \prime}$ | 10'11" | 18'11" | $17^{\prime \prime} 7^{\prime \prime}$ | $15^{\prime} 10^{\prime \prime}$ | 11'10" | 10'11" | $9^{\prime} 10{ }^{\prime \prime}$ | $17^{\prime} 0^{\prime \prime}$ | $15^{\prime} 10^{\prime \prime}$ | $14^{\prime \prime} 2^{\prime \prime}$ | $9^{\prime} 8^{\prime \prime}$ | $8^{\prime \prime} 11{ }^{\prime \prime}$ | $8^{\prime} 1{ }^{\prime \prime}$ | $13^{\prime} 10^{\prime \prime}$ | $12^{\prime} 9 \prime$ | $11^{\prime \prime} 5^{\prime \prime}$ |
| 600S125-43 | 33 | $14^{\prime} 5^{\prime \prime}$ | 13'4" | 11'11" | $20^{\prime \prime} 6^{\prime \prime}$ | 18'11" | $17^{\prime} 0^{\prime \prime}$ | 12'11" | 11'11" | 10'8" | 18'4" | $17^{\prime \prime} 0$ | 15'3" | $10^{\prime} 5^{\prime \prime}$ | $9^{\prime} 8{ }^{\prime \prime}$ | $8^{\prime} 81$ | $15^{\prime} 0{ }^{\prime \prime}$ | 13'11" | $12^{\prime} 6^{\prime \prime}$ |
| 600S137-27 | 33 | $14^{\prime} 0^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | 11'8" | $20{ }^{\prime \prime}$ | $18^{\prime \prime} 8^{\prime \prime}$ | 16' $9^{\prime \prime}$ | $12^{\prime} 7{ }^{\prime \prime}$ | 11'8" | $10^{\prime \prime} 6^{\prime \prime}$ | $18^{\prime \prime} 1{ }^{\prime \prime}$ | 16'9" | $15^{\prime} 0{ }^{\prime \prime}$ | 10'4' | $9^{\prime} 7{ }^{\prime \prime}$ | 8'7" e | $14^{\prime} 8^{\prime \prime}$ | $13^{\prime} 7{ }^{\prime \prime} \mathrm{e}$ | 11'10" e |
| 600S137-30 | 33 | 14'5" | 13'4" | $12^{\prime} 0$ | 20'9" | $19^{\prime \prime}{ }^{\prime \prime}$ | $17^{\prime} 3^{\prime \prime}$ | 12' 11" | $12^{\prime} 0$ | 10'10" | 18' 8" | $17^{\prime \prime} 3^{\prime \prime}$ | $15^{\prime} 6^{\prime \prime}$ | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{\prime} 10{ }^{\prime \prime}$ | $8^{\prime} 10{ }^{\prime \prime}$ | $15^{\prime} 2^{\prime \prime}$ | $14^{\prime} 0$ " | $12^{\prime} 5^{\prime \prime}$ e |
| 600S137-33 | 33 | 14'10" | 13'9" | $12^{\prime \prime}{ }^{\prime \prime}$ | 21'5" | 19' 10" | 17'10" | 13'4" | $12^{\prime \prime} 4^{\prime \prime}$ | 11'2" | $19^{\prime \prime} 3^{\prime \prime}$ | 17' 10" | $16^{\prime \prime} 0^{\prime \prime}$ | 10' 11" | 10'1" | $9^{1} 1{ }^{\prime \prime}$ | 15' ${ }^{\prime \prime}$ | $14^{\prime} 6{ }^{\prime \prime}$ | 12'11"e |
| 600S137-43 | 33 | $16^{\prime \prime} 3^{\prime \prime}$ | $15^{\prime} 0{ }^{\prime \prime}$ | $13^{\prime} 5$ | $23^{\prime \prime} 1{ }^{\prime \prime}$ | $21^{\prime \prime}{ }^{\prime \prime}$ | 19'3" | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime \prime} 5$ | $12^{\prime} 0^{\prime \prime}$ | 20' 9" | $19^{\prime \prime} 3^{\prime \prime}$ | $17^{\prime \prime} 3^{\prime \prime}$ | 11'9" | 10'11" | 9'10" | 16'11" | $15^{\prime} 9$ " | $14^{\prime \prime} 2$ |
| 600S162-33 | 33 | 16'11" | 15' 8" | $14^{\prime \prime} 1^{\prime \prime}$ | $24^{\prime \prime} 5^{\prime \prime}$ | 22' $8^{\prime \prime}$ | 20' 5" | 15' ${ }^{\prime \prime}$ | $14^{\prime \prime} 1{ }^{\prime \prime}$ | 12' $8^{\prime \prime}$ | 22'0" | 20'5" | 18' $5^{\prime \prime}$ | 12' $5^{\prime \prime}$ | $11^{\prime \prime} 6^{\prime \prime}$ | 10' 5" | $18^{\prime} 0{ }^{\prime \prime}$ | 16'9" | $14^{\prime \prime} 9^{\prime \prime} \mathrm{e}$ |
| 600S162-43 | 33 | $18^{\prime} 4^{\prime \prime}$ | $17^{\prime} 0^{\prime \prime}$ | $15^{\prime \prime} 3^{\prime \prime}$ | $26^{\prime \prime} 3^{\prime \prime}$ | $24^{\prime \prime}{ }^{\prime \prime}$ | 21'11" | $16^{\prime} 5^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ | 13' $8^{\prime \prime}$ | $23^{17}$ | 21'11" | 19'9" | $13^{\prime} 5^{\prime \prime}$ | $12^{\prime \prime} 5^{\prime \prime}$ | 11'2" | 19'4" | 17'11" | $16^{\prime} 0{ }^{\prime \prime}$ |
| 800S125-33 | 33 | $14^{\prime} 3^{\prime \prime}$ | 13'3" | 11'11" | 20'7" | 19'1" | 17'1" | 12'10" | 11'11" | 10' $9^{\prime \prime}$ | 18'5" | 1711" | $15^{\prime \prime} 3^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | 9'9" | 8'9"e | 14'11" | 13' 9" e | $12^{\prime} 4^{\prime \prime}$ e |
| 800S125-43 | 33 | 15' 7 " | $14^{\prime} 4^{\prime \prime}$ | 12'11" | $222^{\prime \prime}$ | 2017 | $18^{\prime} 6^{\prime \prime}$ | 13'11" | 12'11" | $11^{\prime} 7{ }^{\prime \prime}$ | 19'11" | $18^{\prime \prime} 6^{\prime \prime}$ | $16^{\prime} 8{ }^{\prime \prime}$ | $11^{\prime} 4^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 5{ }^{\prime \prime}$ | $16^{\prime}{ }^{\prime \prime}$ | $15^{\prime} 1^{\prime \prime}$ | $13^{\prime} 6{ }^{\prime \prime}$ |
| 800S137-33 | 33 | 16'1" | 14'11" | $13^{\prime} 5$ | 23' ${ }^{\prime \prime}$ | 21'6" | $19^{\prime \prime} 3^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime} 5{ }^{\prime \prime}$ | 12'1" | 20'9" | $19^{\prime \prime} 3^{\prime \prime}$ | $17^{\prime \prime} 3^{\prime \prime}$ | 11'10" | $11^{\prime \prime} 0^{\prime \prime}$ | $9^{\prime} 10^{\prime \prime} \mathrm{e}$ | 16'10" | $15^{\prime} 7$ " e | $14^{\prime \prime} 0^{\prime \prime} \mathrm{e}$ |
| 800S137-43 | 33 | $17^{\prime} 6^{\prime \prime}$ | 16'2" | $14^{\prime} 6^{\prime \prime}$ | 25'1" | $23^{\prime \prime}{ }^{\prime \prime}$ | $20^{\prime} 11^{\prime \prime}$ | $15^{\prime \prime} 8^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $22^{\prime \prime} 6^{\prime \prime}$ | $20^{\prime} 11^{\prime \prime}$ | $18^{\prime} 10^{\prime \prime}$ | 12' $9^{\prime \prime}$ | $11^{1} 10^{\prime \prime}$ | 10' $8^{\prime \prime}$ | 18' 5 " | $17^{\prime} 0^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ |
| 800S162-33 | 33 | $18^{\prime \prime} 4^{\prime \prime}$ | $17^{\prime} 0^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | $26^{\prime \prime} 4^{\prime \prime}$ | $24^{\prime \prime}{ }^{\prime \prime}$ | 21'11" | $16^{\prime} 6^{\prime \prime}$ | $15^{\prime} 4^{\prime \prime}$ | 13' ${ }^{\prime \prime}$ | 23' ${ }^{\text {" }}$ | 21'11" | $19^{\prime} 7{ }^{\prime \prime} \mathrm{e}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime} 6^{\prime \prime}$ | $11^{\prime} 2^{\prime \prime} \mathrm{e}$ | 19'2" e | 17' 9"e | $15^{\prime} 10$ e |
| 800S162-43 | 33 | $19^{\prime} 10^{\prime \prime}$ | $18^{\prime} 5^{\prime \prime}$ | $16^{\prime} 6^{\prime \prime}$ | $28^{\prime \prime} 6^{\prime \prime}$ | $26^{\prime} 6{ }^{\prime \prime}$ | $23^{\prime} 10^{\prime \prime}$ | 17' $10^{\prime \prime}$ | $16^{\prime} 6{ }^{\prime \prime}$ | $14^{\prime} 10^{\prime \prime}$ | $25^{\prime \prime} 8^{\prime \prime}$ | $23^{\prime} 10^{\prime \prime}$ | $21^{\prime \prime}{ }^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime} 2^{\prime \prime}$ | 20'11" | $19^{\prime} 4^{\prime \prime}$ | $17^{\prime \prime} 4^{\prime \prime}$ |

[^0]See Ceiling Span Table Notes on page 96.

| Allowable Ceiling Spans - Deflection Limit L/120 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 4 psf |  |  |  |  |  | 6 pst |  |  |  |  |  | 13 psf |  |  |  |  |  |
|  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  |
|  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  |
| Section | Fy, ksi | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) o.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) o.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) o.c. |  |  |
|  |  | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 |
| 162S125-18 | 33 | $7^{\prime} 3^{\prime \prime}$ | 6'7" | $5{ }^{\prime} 10{ }^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | 6'11" | $6^{\prime} 5^{\prime \prime}$ | $5{ }^{5} 10$ " | $5{ }^{111}$ | 7'11" | $6^{6} 11{ }^{\prime \prime}$ | 5'9" | $5{ }^{1}$ | $4^{1} 5^{\prime \prime}$ | $3^{\prime} 9$ | $5^{1} 7{ }^{\prime \prime}$ | $4^{1} 10{ }^{\prime \prime}$ | $3^{3} 111^{\prime \prime}$ |
| 162S125-27 | 33 | $8^{\prime} 7^{\prime \prime}$ | 7'11" | $7{ }^{1} 10$ | 1117" | $10^{\prime \prime} 5^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $7{ }^{18}$ | 7'1" | $6^{\prime} 3^{\prime \prime}$ | $9^{1111}$ | $8^{\prime} 10^{\prime \prime}$ | $7{ }^{7} 5^{\prime \prime}$ | $6^{\prime} 1^{\prime \prime}$ | $5^{\prime} 6{ }^{\prime \prime}$ | $4^{\prime} 9$ | 7'2' | $6^{\prime} 3^{\prime \prime}$ | $5{ }^{\prime} 2^{\prime \prime}$ |
| 162S125-30 | 33 | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{1} 4$ | $12^{\prime \prime} 3^{\prime \prime}$ | $11^{\prime} 0$ | $9^{\prime} 4$ " | $8^{\prime} 0^{\prime \prime}$ | $7{ }^{1} 4$ | $6^{\prime} 6^{\prime \prime}$ | 10'6" | $94^{\prime \prime}$ | $7{ }^{\prime} 10$ " | $6^{\prime} 5$ | 5'10" | $5^{\prime} 0{ }^{\prime \prime}$ | 7'7" | $6^{\prime} 8{ }^{\prime \prime}$ | $5^{\prime} 6^{\prime \prime}$ |
| 162S125-33 | 33 | $9^{\prime} 5^{\prime \prime}$ | $8^{8} 8{ }^{\prime \prime}$ | $78^{\prime \prime}$ | 12'11" | $11^{1} 8{ }^{\prime \prime}$ | 9'11" | $8^{\prime} 4{ }^{\prime \prime}$ | $7{ }^{1} 8{ }^{\prime \prime}$ | $6^{\prime} 10{ }^{\prime \prime}$ | 11'2" | 9'11" | $8^{\prime} 4{ }^{\prime \prime}$ | $6^{6} 8{ }^{\prime \prime}$ | $6^{111}$ | $5{ }^{\prime \prime}{ }^{\prime \prime}$ | $8^{111}$ | 711 | 5'11" |
| 162S137-27 | 33 | 9'11" | $9^{\prime} 2^{\prime \prime}$ | $82^{\prime \prime}$ | 12'9" | $11^{17}$ | 10'1" | $8^{\prime} 10$ | $8^{\prime} 2{ }^{\prime \prime}$ | $7{ }^{\prime \prime} 4$ | 11'2" | 10'1" | $8^{\prime} 6{ }^{\prime \prime}$ | 7'1" | $6^{\prime} 6$ ' | $5^{\prime} 6{ }^{\prime \prime}$ | $8{ }^{\prime} 3^{\prime \prime}$ | $73^{\prime \prime}$ | $5{ }^{\text {'11" }}$ |
| 162S137-30 | 33 | 10'3" | 9' 6" | $8^{\prime} 6^{\prime \prime}$ | 13'2" | 11'11" | $10^{\prime \prime} 5^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime} 6$ " | 7'7" | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime} 5^{\prime \prime}$ | $90^{\prime \prime}$ | $7{ }^{1} 4$ | 6'9' | 5'10" | 8'9" | $7{ }^{1} 8$ | $6^{\prime} 3$ " |
| 162S137-33 | 33 | 10'9" | 9'10" | $8^{\prime} 10$ " | 13'7" | 12'4" | 10'9" | $9^{17}$ | $8^{\prime} 101$ | 7'10" | 11'10" | 10'9" | 9'5" | $7{ }^{\prime} 8{ }^{\prime \prime}$ | $7{ }^{\prime} 0$ | $6^{\prime} 11^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ | 8'2" | $6^{\prime} 9$ " |
| 250S125-18 | 33 | $8^{\prime} 5^{\prime \prime}$ | 7'9" | 6'11" | 1117" | $10^{\prime} 7{ }^{\prime \prime}$ | $99^{1 \prime}$ | $7^{\prime} 6^{\prime \prime}$ | $6^{\prime} 111$ | $6^{\prime} 2{ }^{\prime \prime}$ | 10'2" | 911 | $7{ }^{19}$ | $6^{\prime} 0{ }^{\prime \prime}$ | $5^{\prime} 6{ }^{\prime \prime}$ | $4^{\prime} 10$ e | $7{ }^{7} 6{ }^{\prime \prime}$ | $6^{1774}$ | $5^{\prime} 6^{\prime \prime}$ e |
| 250S125-27 | 33 | 9' 8 " | 8'11" | $80^{\prime \prime}$ | 13' 8 " | $12^{2} 7 \times$ | $11^{1} 0$ | $8^{\prime} 8{ }^{\prime \prime}$ | $8{ }^{8} 0$ | $7{ }^{\prime} 2$ | 12'2" | $11^{1} 0^{\prime \prime}$ | $9^{9} 66^{\prime \prime}$ | $7{ }^{1} 0$ | $6^{\prime} 6{ }^{\prime \prime}$ | $5^{\prime} 91$ | $9^{\prime \prime}{ }^{\prime \prime}$ | $8^{\prime} 2^{\prime \prime}$ | $6^{\prime} 10$ |
| 250S125-30 | 33 | 10'0" | $9^{9} 3^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | 14'2" | $13^{11}$ | $11^{\prime \prime} 6^{\prime \prime}$ | $90^{\prime \prime}$ | $8^{8} 3^{\prime \prime}$ | $7{ }^{7} 5$ | 12' 8" | $11^{1} 6{ }^{\prime \prime}$ | 9'11" | $7^{1} 3^{\prime \prime}$ | 6' 8' | $6^{\prime} 0{ }^{\prime \prime}$ | $9^{18} 8^{\prime \prime}$ | 8'7" | $7{ }^{7} 3$ " |
| 250S125-33 | 33 | 10'5" | 9'8" | 8'7" | 14'8" | $13^{\prime} 6^{\prime \prime}$ | 12'1" | $9^{\prime} 4^{\prime \prime}$ | $8^{1} 7{ }^{\prime \prime}$ | $7{ }^{7 \prime \prime}$ | 13'1" | 1211 | $10^{\prime} 6^{\prime \prime}$ | $7^{7} 6^{\prime \prime}$ | $6^{\prime} 11{ }^{\prime \prime}$ | $6^{\prime} 2{ }^{\prime \prime}$ | $10^{\prime \prime} 2^{\prime \prime}$ | $9{ }^{17}$ | $7{ }^{7} 8{ }^{\prime \prime}$ |
| 250S125-43 | 33 | 11'9" | 10'10" | 9'7" | 16'3" | $15^{\prime} 0$ | 13'3' | $10^{\prime \prime} 5^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | $8^{\prime} 6{ }^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime} 3^{\prime \prime}$ | $11^{1} 8{ }^{\prime \prime}$ | $8^{\prime \prime} 4^{\prime \prime}$ | $7{ }^{1} 8$ | $6^{6} 10$ " | 11'4" | $10^{\prime} 3^{\prime \prime}$ | $8{ }^{\prime \prime}{ }^{\prime \prime}$ |
| 250S137-27 | 33 | 11'0" | 10'2" | $9{ }^{11}$ | 15'9" | $14^{4} 6{ }^{\prime \prime}$ | 12'9" | 9'10" | $9{ }^{17}$ | $8{ }^{\prime} 2^{\prime \prime}$ | $14^{1} 0^{\prime \prime}$ | 12'9" | 10'10" | $8{ }^{\prime} 0$ | $7{ }^{1} 5^{\prime \prime}$ | $6^{\prime} 8{ }^{\prime \prime}$ | $10^{\prime \prime} 6^{\prime \prime}$ | $9^{\prime} 3^{\prime \prime}$ | $7{ }^{19}$ |
| 250S137-30 | 33 | 11'4" | 10'6" | 915 | $16^{\prime \prime} 3^{\prime \prime}$ | $15^{\prime} 0$ | 13'2" | 10'2" | $9{ }^{\text {5 }}$ | $8^{\prime} 5^{\prime \prime}$ | $14^{4} 6^{\prime \prime}$ | 13'2" | 11'5" | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{1} 8^{\prime \prime}$ | $6^{\prime} 10$ " | $11^{\prime} 0{ }^{\prime \prime}$ | $9^{\prime} 10$ | $8{ }^{\prime} 2$ |
| 250S137-33 | 33 | $1^{1} 110{ }^{\prime \prime}$ | 10'11" | $99^{\prime \prime}$ | 16'9" | $15^{\prime} 6{ }^{\prime \prime}$ | 13'8' | $10^{\prime \prime} 7$ | $99^{\prime \prime}$ | $8{ }^{\prime \prime}$ | 14'11" | $13^{\prime} 8{ }^{\prime \prime}$ | 11'11" | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{1110}$ | $7{ }^{1} 10$ | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime} 3^{\prime \prime}$ | $88^{\prime \prime}$ |
| 250S137-43 | 33 | $13^{\prime} 2^{\prime \prime}$ | 12'2" | 10'9" | $18^{\prime \prime} 5^{\prime \prime}$ | $16^{\prime} 11^{\prime \prime}$ | $15^{\prime} 0^{\prime \prime}$ | 11'9" | 10'9" | $9^{\prime} 7{ }^{\prime \prime}$ | 16'5" | $15^{\prime} 0^{\prime \prime}$ | 13'1" | $9^{\prime} 5{ }^{\prime \prime}$ | $8^{\prime} 8{ }^{\prime \prime}$ | $7{ }^{\prime \prime}$ | 12'9" | 1115" | $9^{\prime} 9$ 9' |
| 250S162-33 | 33 | 13'6" | $12^{\prime 2} 5^{\prime \prime}$ | 11'2" | $19^{\prime \prime} 2^{\prime \prime}$ | $17^{7} 7$ | 15'4" | $12^{17}$ | $11^{\prime 2}$ | $10^{\prime} 0^{\prime \prime}$ | 16'11" | $15^{\prime \prime} 4^{\prime \prime}$ | 13'2" | $99^{\prime \prime}$ | $9^{\prime \prime} 10$ | $8^{\prime} 0^{\prime \prime}$ | 12'9" | $11^{1} 3^{\prime \prime}$ | $9^{15} 5^{\prime \prime}$ |
| 250S162-43 | 33 | 14'11" | 13'9" | 12'3" | 20'11" | $19^{\prime \prime}{ }^{\prime \prime}$ | 16'11" | $13^{\prime \prime} 4^{\prime \prime}$ | $12^{\prime \prime} 3^{\prime \prime}$ | 10'11" | 18'7" | 16'11" | $14^{\prime} 70$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 10$ | 8'10" | $14^{\prime \prime}$ | $12^{2} 8{ }^{\prime \prime}$ | 10'9" |
| 350S125-18 | 33 | $9^{\prime} 2{ }^{\prime \prime}$ | $8^{\prime} 6{ }^{\prime \prime}$ | $7{ }^{1} 6{ }^{\prime \prime}$ | 12'6" | $11^{1} 5^{\prime \prime}$ | $9^{1} 11^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7^{1} 6{ }^{\prime \prime}$ | $6^{\prime} 88^{\prime \prime}$ | $11^{1} 0^{\prime \prime}$ | 9'11" | $8^{\prime \prime} 5^{\prime \prime} \mathrm{e}$ | $6^{\prime} 6{ }^{\prime \prime}$ | 5'11"e | $5^{\prime} 3^{\prime \prime} \mathrm{e}$ | 8'2"e | $7{ }^{\prime 2}{ }^{\prime \prime}$ | $6^{\prime} 0^{\prime \prime} \mathrm{e}$ |
| 350S125-27 | 33 | 10'6" | $9^{\prime} 9$ | $89^{\prime \prime}$ | 14'11" | $13^{\prime \prime}$ | $12^{\prime \prime} 3^{\prime \prime}$ | $9^{\prime} 5^{\prime \prime}$ | $8^{\prime} 9$ | $7{ }^{\prime} 9$ | 13'4" | $12^{\prime} 3^{\prime \prime}$ | 10'8" | $77^{7 \prime}$ | $7{ }^{1} 0$ | $6^{\prime} 4{ }^{\prime \prime}$ | $10^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 3^{\prime \prime}$ | $7^{\prime} 10{ }^{\prime \prime}$ |
| 350S $125-30$ | 33 | 10' 11" | 10'1" | $9^{\prime} 0^{\prime \prime}$ | 15'5" | $14^{\prime \prime} 2^{\prime \prime}$ | 12'9" | $9^{\prime} 9$ | $9^{\prime} 0^{\prime \prime}$ | $8{ }^{1} 1{ }^{\prime \prime}$ | 13'9" | 12'9" | $11^{\prime \prime} 3^{\prime \prime}$ | 7'11" | $73^{\prime \prime}$ | $6^{\prime} 66^{\prime \prime}$ | 10'11" | $9^{\prime} 9$ | $8^{1} 4{ }^{\prime \prime}$ |
| 350S $125-33$ | 33 | 11'4" | 10'5" | $94^{\prime \prime}$ | 16'0" | $14^{\prime \prime} 9^{\prime \prime}$ | 13'2" | $10^{\prime \prime} 1{ }^{\prime \prime}$ | $9^{\prime} 4$ " | $8^{\prime} 4{ }^{\prime \prime}$ | $14^{\prime \prime} 3^{\prime \prime}$ | $13^{\prime} 2^{\prime \prime}$ | $11^{\prime \prime} 9^{\prime \prime}$ | $8{ }^{\prime \prime} 2^{\prime \prime}$ | $77^{7 \prime}$ | $6^{\prime} 99^{\prime \prime}$ | 11'6" | $10^{\prime \prime} 5^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ |
| 350S $125-43$ | 33 | $12^{\prime} 7^{\prime \prime}$ | 1117" | $10^{\prime} 3^{\prime \prime}$ | 1717" | $16^{\prime} 2^{\prime \prime}$ | $14^{\prime \prime} 6^{\prime \prime}$ | 11'2" | $10^{\prime \prime} 3^{\prime \prime}$ | $9^{\prime \prime} 2^{\prime \prime}$ | $15^{\prime} 8^{\prime \prime}$ | $14^{\prime \prime} 6^{\prime \prime}$ | 12'11" | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{\prime \prime} 5^{\prime \prime}$ | $12^{\prime} 7{ }^{\prime \prime}$ | $11^{\prime} 6{ }^{\prime \prime}$ | $10{ }^{10} 1{ }^{\prime \prime}$ |
| 350S137-27 | 33 | 11'11" | 1110" | $9^{\prime} 11{ }^{\prime \prime}$ | $17^{1} 0^{\prime \prime}$ | $15^{\prime} 9$ | $14^{14} 1{ }^{\prime \prime}$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 11{ }^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ | 14'1" | $12^{\prime \prime} 4^{\prime \prime}$ | $8^{\prime} 8^{\prime \prime}$ | $8{ }^{14}$ | $73^{\prime \prime}$ | $12^{\prime \prime} 0^{\prime \prime}$ | $10^{\prime} 7{ }^{\prime \prime}$ | $8^{\prime \prime 111 " e}$ |
| 350S137-30 | 33 | 12'4" | 11'5" | $10^{\prime} 2^{\prime \prime}$ | $17^{\prime} 6{ }^{\prime \prime}$ | $16^{\prime} 3^{\prime \prime}$ | $14^{\prime} 7{ }^{\prime \prime}$ | $11^{1} 0$ | $10^{\prime \prime}$ | $9^{1} 2^{\prime \prime}$ | 15'9" | 14'7" | 12'10" | 8'11" | $8^{\prime} 4$ | $75^{\prime \prime}$ | $12^{\prime \prime} 6^{\prime \prime}$ | $11^{1} 3^{\prime \prime}$ | $9^{16} 6^{\prime \prime}$ |
| 350S137-33 | 33 | 12'9" | 11'9" | $10^{\prime} 7^{\prime \prime}$ | 18'2" | $16{ }^{\prime} 9$ | 15'1" | 11'5" | 10'7" | $9{ }^{\prime} 6^{\prime \prime}$ | $16^{\prime \prime} 3^{\prime \prime}$ | $15^{17}$ | 13'4" | $9^{1} 3^{\prime \prime}$ | $8^{17}$ | $7{ }^{7} 8$ | $13^{\prime} 0^{\prime \prime}$ | 11'9" | $10^{\prime} 0^{\prime \prime}$ |
| 350S137-43 | 33 | 14 | 13'0" | 1117" | 19'10" | $18^{\prime} 4{ }^{\prime \prime}$ | 16'5" | $12^{\prime} 7{ }^{\prime \prime}$ | $11^{\prime} 7{ }^{\prime \prime}$ | $10^{\prime} 4^{\prime \prime}$ | 17'9" | $16^{\prime} 5^{\prime \prime}$ | $14^{\prime \prime} 8^{\prime \prime}$ | $10^{\prime \prime} 1$ | $9^{\prime} 4^{\prime \prime}$ | $8^{\prime} 4$ " | $14^{\prime \prime} 3^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $11^{1} 3^{\prime \prime}$ |
| 3505162 | 33 | 14'6" | 13'5" | $12^{\prime \prime} 0^{\prime \prime}$ | 20'9" | $19^{\prime \prime}{ }^{\prime \prime}$ | 1711' | $13^{\prime} 0^{\prime \prime}$ | $12^{\prime \prime} 0^{\prime \prime}$ | 10'10" | 187 7 | 1710" | $15^{\prime} 0$ | $10^{\prime \prime} 7$ | $9^{\prime} 10^{\prime \prime}$ | $8^{\prime} 10{ }^{\prime \prime}$ | $14^{7} 7^{\prime \prime}$ | $13^{\prime \prime} 1{ }^{\prime}$ | $11^{1} 0^{\prime \prime}$ |
| 350S162-43 | 33 | 16'0 ${ }^{\prime \prime}$ | 14'9" | 13'2' | $22^{7} 7$ | $20^{111 "}$ | 18'8" | $14^{\prime \prime}{ }^{\prime \prime}$ | $13^{\prime \prime}$ | 11'9" | $20^{\prime \prime} 3^{\prime \prime}$ | $18^{\prime} 88^{\prime \prime}$ | 16'6" | 11'6" | $10^{\prime} 8{ }^{\prime \prime}$ | $9^{174}$ | $16^{\prime \prime} 1^{\prime \prime}$ | $14^{\prime \prime} 7$ | $12^{\prime} 6^{\prime \prime}$ |
| 362S125-18 | 33 | $9^{13} 3^{\prime \prime}$ | $8^{8} 7{ }^{\prime \prime}$ | $77^{\prime \prime}$ | 12'8" | $11^{7 \prime \prime}$ | $10^{\prime} 0^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $77^{7 \prime}$ | 6'9" | 11'2" | $10^{\prime} 0^{\prime \prime}$ | $8^{\prime} 7{ }^{\prime \prime} \mathrm{e}$ | $6^{\prime} 7{ }^{\prime \prime}$ | $6^{\prime} 0^{\prime \prime} \mathrm{e}$ | $5^{\prime} 4^{\prime \prime} \mathrm{e}$ | $8^{\prime \prime} 3^{\prime \prime} \mathrm{e}$ | $74^{\prime \prime} \mathrm{e}$ | 6'1"e |
| 362S125-27 | 33 | 10'8" | $9^{9} 10{ }^{\prime \prime}$ | $8^{\prime} 10$ | 15'0" | 13'11" | $12^{\prime} 4^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $8^{\prime} 10^{\prime \prime}$ | 7'10" | 13'5" | $124^{\prime \prime}$ | 10'9" | $7^{7} 8{ }^{\prime \prime}$ | $7{ }^{\prime} 11$ | $6^{\prime} 4{ }^{\prime \prime}$ | 10'6" | $9^{\prime} 4{ }^{\prime \prime}$ | $7{ }^{7} 11{ }^{\prime \prime}$ |
| 362S125-30 | 33 | $11^{1} 0^{\prime \prime}$ | $10^{\prime \prime}$ | $9{ }^{1 \prime}$ | ${ }^{15} 6^{\prime \prime}$ | $144^{\prime \prime}$ | $12^{\prime} 10^{\prime \prime}$ | 9'10" | 9'1" | $8{ }^{\prime \prime}{ }^{\prime \prime}$ | 13'11" | 12'10" | 11'4" | $8^{\prime} 0^{\prime \prime}$ | $7{ }^{1} 4$ | $6^{\prime} 77^{\prime \prime}$ | 11'1" | $9^{9} 111^{\prime \prime}$ | $8^{15} 5^{\prime \prime}$ |
| 362S125-33 | 33 | 11'5" | 10'6" | $9^{\prime} 5{ }^{\prime \prime}$ | $16^{\prime \prime} 2^{\prime \prime}$ | $14^{\prime} 10{ }^{\prime \prime}$ | 13'3' | 10'2" | $9{ }^{10}$ | $8^{\prime} 5^{\prime \prime}$ | 14'5" | $13^{3} 3$ " | 11'10" | $8^{\prime} 3^{\prime \prime}$ | $78^{\prime \prime}$ | $6^{\prime} 100^{\prime \prime}$ | 11'7" | $10^{\prime \prime} 6^{\prime \prime}$ | $9^{\prime} 0$ |
| 362S125-43 | 33 | $12^{\prime \prime} 8^{\prime \prime}$ | $11^{1} 8{ }^{\prime \prime}$ | 10'4" | $17^{17} 9$ | 16'4" | $14^{8 \prime \prime}$ | 11'3" | $10^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 3^{\prime \prime}$ | 15'10" | $14^{8 \prime} 8^{\prime \prime}$ | 13'1" | $9^{111}$ | $8{ }^{4}$ | $7{ }^{\prime} 6{ }^{\prime \prime}$ | 12'9" | $11^{\prime \prime} 8$ | $10{ }^{\prime \prime}$ |
| 362S137-27 | 33 | $12^{\prime \prime} 0^{\prime \prime}$ | $11^{11} 1$ | $10^{\prime} 0^{\prime \prime}$ | 17'2" | 15'11" | 14'3" | 10'9" | $10^{\prime} 0$ | $8^{\prime} 11^{\prime \prime}$ | 15'5" | $14^{3 \prime}$ | 12'6" | $8^{\prime} 9$ | $8^{\prime} 11$ | $7{ }^{1} 4$ | $12{ }^{2 \prime}$ | 10'9" | 9'1"e |
| 362S137-30 | 33 | 12'5" | 111 6 " | $10^{\prime} 4^{\prime \prime}$ | 1718" | $16^{\prime} 5^{\prime \prime}$ | $14^{\prime \prime} 8^{\prime \prime}$ | $11^{\prime 2}$ | $10^{\prime \prime} 4^{\prime \prime}$ | $9{ }^{\prime} 3^{\prime \prime}$ | 15'11" | $14^{8 \prime} 8^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 4$ | $7{ }^{\prime} 66^{\prime \prime}$ | $12^{\prime \prime} 8^{\prime \prime}$ | 11'5" | $9^{18} 8^{\prime \prime}$ |
| 362S137-33 | 33 | 12' 10 " | 11'11" | $10^{\prime} 8^{\prime \prime}$ | 18'3" | $16^{\prime 1} 11^{\prime \prime}$ | $15^{\prime \prime} 2^{\prime \prime}$ | 11'6" | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 70$ | 16'5" | $15^{\prime} 2^{\prime \prime}$ | $13^{\prime \prime} 6^{\prime \prime}$ | $9^{\prime} 4{ }^{\prime \prime}$ | $8^{\prime} 8{ }^{\prime \prime}$ | $7{ }^{\prime \prime}$ | $13^{\prime \prime} 2^{\prime \prime}$ | 11111" | $10^{\prime \prime} 2^{\prime \prime}$ |
| 362S137-43 | 33 | $14^{\prime \prime} 3^{\prime \prime}$ | $13^{17}$ | $11^{1} 8^{\prime \prime}$ | $20^{\prime \prime}$ | $18^{\prime} 6^{\prime \prime}$ | $16^{\prime} 7{ }^{\prime \prime}$ | $12^{\prime \prime} 8^{\prime \prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | $10^{\prime} 5^{\prime \prime}$ | 17'11" | $16^{\prime} 7{ }^{\prime \prime}$ | $14^{\prime \prime} 9^{\prime \prime}$ | $10^{\prime \prime} 3^{\prime \prime}$ | $9^{\prime \prime} 5^{\prime \prime}$ | $8^{\prime} 5^{\prime \prime}$ | $14^{\prime \prime} 5^{\prime \prime}$ | $13^{\prime \prime} 2^{\prime \prime}$ | $11^{\prime \prime} 5^{\prime \prime}$ |
| 362S162-33 | 33 | $14^{\prime \prime} 8^{\prime \prime}$ | 13'7" | 12'2" | 20'11" | 19'4" | 177 $4^{\prime \prime}$ | 13'2" | $12^{\prime \prime} \mathbf{2 \prime}^{\prime \prime}$ | 10' 11 " | 18'9" | $17^{\prime \prime} 4^{\prime \prime}$ | $15^{\prime} 2^{\prime \prime}$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime 111 "}$ | 8'10" | 14'9" | 13'3" | 11'3" |
| 362S162-43 | 33 | 16'1" | $14^{\prime} 10^{\prime \prime}$ | 13'3" | 22'10" | 21'1" | $18^{\prime} 10{ }^{\prime \prime}$ | 14'5" | $13^{\prime \prime} 3^{\prime \prime}$ | 11'11" | $20^{\prime \prime} 5^{\prime \prime}$ | 18'10" | 16'9" | 11'8" | 10'9" | $9^{\prime} 8^{\prime \prime}$ | $16^{\prime \prime} 4^{\prime \prime}$ | $14^{\prime \prime}{ }^{\prime \prime}$ | $12^{\prime} 88^{\prime \prime}$ |
| 400S125-18 | 33 | $9^{\prime} 6^{\prime \prime}$ | 8'9" | $7{ }^{\prime} 10{ }^{\prime \prime}$ | 13'0" | 11'11" | 10'5" | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{\prime} 10{ }^{\prime \prime}$ | 6'11" | 11'6" | $10^{\prime} 5{ }^{\prime \prime}$ | 8'11"e | 6'9" | $6^{\prime} 2^{\prime \prime}$ | $5^{\prime} 6^{\prime \prime} \mathrm{e}$ | $8^{\prime} 88^{\prime \prime}$ | $7{ }^{7} 8^{\prime \prime}$ | $6^{\prime} 5$ " e |
| 400S125-27 | 33 | 10' 11" | 10'1" | $9^{\prime} 0^{\prime \prime}$ | 15'5" | $14^{\prime} 3^{\prime \prime}$ | 12'9" | $9^{\prime} 9{ }^{\prime \prime}$ | $90^{\prime \prime}$ | $8{ }^{111}$ | 13'10" | $12^{\prime} 9$ " | $11^{\prime 2}{ }^{\prime \prime}$ | $7{ }^{1} 111$ | $7{ }^{1} 4$ | $6^{\prime} 6^{\prime \prime}$ | 10'10" | 9'9" | $8^{\prime} 4{ }^{\prime \prime}$ |
| 400S125-30 | 33 | 11'3" | 10'5" | $94^{\prime \prime}$ | 15'11" | $14^{\prime \prime}{ }^{\prime \prime}$ | 13'2" | $10^{\prime \prime} 1$ | $9^{\prime} 4{ }^{\prime \prime}$ | $8^{\prime \prime} 4^{\prime \prime}$ | $14^{\prime} 3^{\prime \prime}$ | $13^{\prime} 2^{\prime \prime}$ | 11'9" | $8^{\prime \prime}{ }^{\prime \prime}$ | $77^{\prime \prime}$ | $6^{\prime} 9{ }^{\prime \prime}$ | 11'5" | $10^{\prime \prime} 4^{\prime \prime}$ | $8^{\prime \prime} 10{ }^{\prime \prime}$ |
| 400S125-33 | 33 | 11'9" | $10^{\prime} 10^{\prime \prime}$ | $98^{8 \prime}$ | $16^{\prime} 7{ }^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ | 13'8" | $10^{\prime \prime} 6^{\prime \prime}$ | $9^{\prime} 8{ }^{\prime \prime}$ | $8^{\prime} 88^{\prime \prime}$ | 14'9" | $13^{\prime} 88^{\prime \prime}$ | $12^{\prime} 3^{\prime \prime}$ | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{\prime} 10{ }^{\prime \prime}$ | $7{ }^{\prime} 01$ | 11'11" | 10'11" | 9'5" |
| 400S125-43 | 33 | 13'0" | 11'11" | $10^{\prime} 8{ }^{\prime \prime}$ | 18'2" | $16^{\prime \prime} 9$ | $15^{\prime} 0$ | 11'7" | 10'8" | $9^{\prime} 6^{\prime \prime}$ | $16^{\prime \prime} 3^{\prime \prime}$ | $15^{\prime} 0$ | 13'5" | 9'4" | $8^{\prime} 7{ }^{\prime \prime}$ | $7{ }^{7} 88^{\prime \prime}$ | 13'1" | $12^{\prime \prime} 1{ }^{\prime \prime}$ | $10^{\prime} 7^{\prime \prime}$ |
| 400S137-27 | 33 | 12'4" | 1115" | $10^{\prime} 3^{\prime \prime}$ | $17^{17} 7^{\prime \prime}$ | $16^{\prime} 4$ " | $14^{\prime \prime} 8^{\prime \prime}$ | 11'1" | $10^{\prime \prime} 3^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ | ${ }^{15}{ }^{\prime} 10^{\prime \prime}$ | $14^{\prime \prime} 8^{\prime \prime}$ | $13^{\prime} 0{ }^{\prime \prime}$ | $9^{\prime} 0^{\prime \prime}$ | $8^{\prime} 4^{\prime \prime}$ | $7{ }^{7} 6^{\prime \prime}$ | $12{ }^{17}$ | 11'3" | $9^{\prime \prime} 6^{\prime \prime}$ e |
| 400S137-30 | 33 | 12'9" | 11'9" | $10^{\prime} 7{ }^{\prime \prime}$ | 18'2" | 16' 10 " | 15'1" | 11'5" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{\prime} 6^{\prime \prime}$ | $16^{\prime \prime} 3^{\prime \prime}$ | 15'1" | 13'5" | $9^{\prime} 3^{\prime \prime}$ | 8'7" | $7{ }^{7} 88^{\prime \prime}$ | 13'1" | 11'10" | 10'1" |
| 400S137-33 | 33 | 13'3" | 12'2" | 10'11" | $18{ }^{\prime \prime}$ | $17^{\prime} 44^{\prime \prime}$ | $15^{\prime} 7{ }^{\prime \prime}$ | 11'10" | 10'11" | $9^{\prime \prime} 9^{\prime \prime}$ | 16'10" | $15^{\prime} 70$ | 13'11" | $9^{7} 7$ | $8^{\prime} 10$ | $7{ }^{\prime} 11{ }^{\prime \prime}$ | 13'7" | $12^{\prime \prime} 4^{\prime \prime}$ | $10^{\prime} 8^{\prime \prime}$ |
| 400S137-43 | 33 | 14'7" | 13'5" | $12^{\prime} 0^{\prime \prime}$ | $20^{\prime} 6^{\prime \prime}$ | 18'11" | $17^{\prime \prime} 0^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | $12^{\prime \prime} 0^{\prime \prime}$ | 10'9" | $18^{\prime} 4^{\prime \prime}$ | $17^{\prime} 0$ | $15^{\prime 2}$ | $10^{\prime} 6^{\prime \prime}$ | $9{ }^{18} 8^{\prime \prime}$ | $8^{\prime} 8{ }^{\prime \prime}$ | 14'10" | 13'7" | 11111" |
| 400S162-33 | 33 | 15'0" | 13'11" | 12'5" | 21'5" | 19'10" | 17'9" | 13'5" | 12'5" | 11'2" | 19'3" | $17^{\prime \prime} 9$ | 15'9" | 10'11" | $10^{\prime} 2^{\prime \prime}$ | 9'1" | 15'4" | 13'10" | 11'9" |
| 400S162-43 | 33 | 16'6" | 15'3" | $13^{\prime} 8{ }^{\prime \prime}$ | 23 '4" | $21^{17}$ | $19^{\prime \prime}{ }^{\prime \prime}$ | 14'9" | $13^{\prime} 8{ }^{\prime \prime}$ | 12'2" | 20'11" | $19^{\prime \prime} 4^{\prime \prime}$ | 17'3" | 11'11" | $11^{1} 0^{\prime \prime}$ | $9^{9} 111^{\prime \prime}$ | 16'10" | $15^{\prime} 4^{\prime \prime}$ | $13^{\prime \prime} 3^{\prime \prime}$ |
| 550S125-27 | 33 | 12'1" | 111 $3^{\prime \prime}$ | 10'1" | $17^{\prime} 5^{\prime \prime}$ | $16^{\prime} 11$ | $14^{\prime \prime} 5^{\prime \prime}$ | 10'10" | $10^{\prime \prime} 1$ | $9^{\prime} 1{ }^{\prime \prime}$ | 15'7" | $14^{\prime \prime}{ }^{\prime \prime}$ | 12'11" | $8^{\prime} 11{ }^{\prime \prime}$ | $8^{\prime} 3^{\prime \prime}$ | $7{ }^{17}$ | $12^{\prime} 7{ }^{\prime \prime}$ | 1117" | $10^{\prime} 0^{\prime \prime} \mathrm{e}$ |
| 550S125-30 | 33 | 12'5" | 111'6" | $10^{\prime} 4^{\prime \prime}$ | 17'11" | $16^{\prime} 8{ }^{\prime \prime}$ | 14'11" | 11'2" | $10^{\prime \prime} 4^{\prime \prime}$ | $9{ }^{14}$ | 16'2" | 14'11" | 13'4" | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime} 6^{\prime \prime}$ | $7{ }^{7} 8$ | $13^{\prime} 0^{\prime \prime}$ | $12^{17}$ | $10^{\prime \prime} 7{ }^{\prime \prime} \mathrm{e}$ |
| 550S125-33 | 33 | 12'10" | 11'11" | $10^{\prime} 8^{\prime \prime}$ | $18^{\prime} 5^{\prime \prime}$ | 1711" | 15'5" | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9{ }^{17}$ | $16^{\prime} 7^{\prime \prime}$ | 15'5" | 13'10" | $9^{\prime} 5^{\prime \prime}$ | $8{ }^{\prime} 9$ | $7{ }^{\prime} 10{ }^{\prime \prime}$ | $13^{\prime \prime} 6^{\prime \prime}$ | $12^{\prime} 6{ }^{\prime \prime}$ | 11'1" |
| 550S125-43 | 33 | 14'1" | $13^{1} 0^{\prime \prime}$ | $11^{1} 8^{\prime \prime}$ | $200^{\prime \prime}$ | $18^{\prime} 6^{\prime \prime}$ | 16'7" | $12^{\prime} 7{ }^{\prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | $10^{\prime} 5^{\prime \prime}$ | 17'11" | $16^{\prime} 70$ | 14'11" | $10^{\prime \prime} 2^{\prime \prime}$ | $9^{\prime} 5^{\prime \prime}$ | $8^{\prime \prime} 5^{\prime \prime}$ | 147 ${ }^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{2 \prime}$ |
| 550S137-27 | 33 | 13'8" | $12^{2} 8{ }^{\prime \prime}$ | 1115" | 19'9" | $18^{\prime} 4^{\prime \prime}$ | 16'7" | $12^{\prime \prime} 3^{\prime \prime}$ | $11^{\prime \prime} 5^{\prime \prime}$ | $10^{\prime} 3^{\prime \prime}$ | 17'10" | $16^{\prime} 70$ | 14'11" | $10^{\prime \prime} 1{ }^{\prime \prime}$ | $94^{\prime \prime}$ | $8^{\prime \prime} 5^{\prime \prime} \mathrm{e}$ | $14^{\prime \prime} 8^{\prime \prime}$ | $13^{\prime} 7^{\prime \prime}$ | $11^{1 / 11} \mathrm{e}$ |
| 550S137-30 | 33 | $14^{\prime \prime} 0^{\prime \prime}$ | $13^{\prime} 0^{\prime \prime}$ | 11'9" | $20^{\prime \prime} 3^{\prime \prime}$ | $18^{\prime} 10^{\prime \prime}$ | $17^{\prime \prime} 0^{\prime \prime}$ | $12^{\prime} 7{ }^{\prime}$ | $11^{\prime \prime} 9^{\prime \prime}$ | $10^{\prime} 7^{\prime \prime}$ | $18^{\prime \prime} 3^{\prime \prime}$ | $17^{\prime} 0^{\prime \prime}$ | 15'4" | $10^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 7{ }^{\prime \prime}$ | $8^{\prime} 88^{\prime \prime}$ | $15^{\prime} 0{ }^{\prime \prime}$ | 13'11" | $12^{\prime} 4^{\prime \prime} \mathrm{e}$ |
| 550S137-33 | 33 | $14^{\prime \prime} 6^{\prime \prime}$ | $13^{\prime} 5^{\prime \prime}$ | 12'1" | 20'10" | $19^{\prime} 4^{\prime \prime}$ | 17'5' | $13^{\prime} 0{ }^{\prime \prime}$ | $12^{17}$ | 10'10" | $18^{\prime} 9^{\prime \prime}$ | 17'5" | 15'9" | $10^{\prime} 7{ }^{\prime \prime}$ | $9^{1} 10^{\prime \prime}$ | 8'11" | 15'5" | $14^{\prime \prime} 4^{\prime \prime}$ | 12'9'e |
| 550S137-43 | 33 | $15^{\prime} 10{ }^{\prime \prime}$ | $14^{\prime} 8^{\prime \prime}$ | $13^{\prime} 1{ }^{\prime \prime}$ | $22^{\prime \prime}$ " | $20^{\prime \prime} 10^{\prime \prime}$ | 189'9 ${ }^{\prime \prime}$ | $14^{\prime \prime}{ }^{\prime \prime}$ | $13^{\prime \prime} 1{ }^{\prime \prime}$ | 11'9" | $20^{\prime \prime}$ | $18{ }^{\prime} 99^{\prime \prime}$ | $16^{\prime} 10^{\prime \prime}$ | 11'6" | $10^{\prime} 8^{\prime \prime}$ | $9{ }^{17}$ | $16^{\prime \prime} 6^{\prime \prime}$ | $15^{\prime \prime} 4^{\prime \prime}$ | $13^{\prime} 9{ }^{\prime \prime}$ |

[^1]See Ceiling Span Table Notes on page 96.

| Alowable ceiling Soans - Defection Limitht/20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Section | Fy, ksi | 4 psf |  |  |  |  |  | 6 psf |  |  |  |  |  | 13 psf |  |  |  |  |  |
|  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  | Lateral Support of Compression Flange |  |  |  |  |  |
|  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  | Unsupported |  |  | Midspan |  |  |
|  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  | Joist Spacing (in) 0.c. |  |  |
|  |  | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 | 12 | 16 | 24 |
| 550S162-33 | 33 | 16' $6^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ | $13^{\prime \prime}{ }^{\prime \prime}$ | 23' ${ }^{\prime \prime}$ | $22^{\prime \prime}$ | 19'11" | 14'10" | $13^{\prime \prime}{ }^{\prime \prime}$ | 12'4" | 21'5" | 19'11" | 17'11" | 12' $1^{\prime \prime}$ | $11^{\prime \prime}{ }^{\prime \prime}$ | 10' $2^{\prime \prime}$ | $17^{1} 7^{\prime \prime}$ | $16^{\prime} 2^{\prime \prime}$ | $14^{\prime} 3^{\prime \prime} \mathrm{e}$ |
| 550S162-43 | 33 | $18^{\prime \prime} 0^{\prime \prime}$ | $16^{\prime} 7^{\prime \prime}$ | 14'11" | $25^{\prime \prime}$ | 23'9" | $21^{\prime \prime} 4^{\prime \prime}$ | 16'1" | 14'11" | $13^{\prime \prime} 4^{\prime \prime}$ | 23'0' | $21^{\prime \prime} 4^{\prime \prime}$ | $19^{\prime \prime} 3^{\prime \prime}$ | 13'1" | $12^{\prime \prime}{ }^{\prime \prime}$ | 10'11" | 18'10" | $17^{\prime} 6^{\prime \prime}$ | $15^{\prime} 6^{\prime \prime}$ |
| 600S125-27 | 33 | 12' ${ }^{\prime \prime}$ | $11^{\prime \prime} 6^{\prime \prime}$ | $10^{\prime \prime} 4^{\prime \prime}$ | $17^{\prime} 10^{\prime \prime}$ | $16^{\prime} 6^{\prime \prime}$ | $14^{\prime \prime}{ }^{\prime \prime}$ | 11' $2^{\prime \prime}$ | $10^{\prime \prime} 4^{\prime \prime}$ | $9^{\prime} 4^{\prime \prime}$ | 16'0' | $14^{\prime \prime}{ }^{\prime \prime}$ | $13^{\prime \prime}{ }^{\prime \prime}$ | $9^{\prime} 2^{\prime \prime}$ | $8^{\prime \prime}{ }^{\prime \prime}$ | $77^{\prime \prime} \mathrm{e}$ | 12'11" | $11^{\prime \prime} 11 \mathrm{e}$ | $10^{\prime} 4^{\prime \prime} \mathrm{e}$ |
| 600S125-30 | 33 | 12' ${ }^{\prime \prime}$ | 11'10" | 10' $8^{\prime \prime}$ | 18'5" | $17^{\prime \prime} 1^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ | $11^{\prime} 6^{\prime \prime}$ | $10^{\prime \prime} 8^{\prime \prime}$ | $9^{\prime} 7$ " | 16'6" | $15^{\prime \prime} 3^{\prime \prime}$ | $13^{\prime \prime}{ }^{\prime \prime}$ | $9^{\prime \prime}{ }^{\prime \prime}$ | $8^{18}$ | $7^{1} 10$ " | $13^{\prime \prime} 4^{\prime \prime}$ | $12^{\prime \prime} 4^{\prime \prime}$ | 10'11" e |
| 600S125-33 | 33 | 13' $2^{\prime \prime}$ | $12^{\prime \prime}{ }^{\prime \prime}$ | 10'11" | 18'11" | $17^{\prime \prime} 7^{\prime \prime}$ | 15'10" | 11'10" | 10'11" | $9^{\prime} 10^{\prime \prime}$ | 17' $0^{\prime \prime}$ | 15'10" | $14^{\prime \prime}{ }^{\prime \prime}$ | $9^{\prime} 8^{\prime \prime}$ | $8^{\prime} 11{ }^{\prime \prime}$ | $8^{\prime \prime} 1{ }^{\prime \prime}$ | 13'10" | 12' ${ }^{\prime \prime}$ | 11'5" |
| 600S125-43 | 33 | $14^{\prime \prime} 5^{\prime \prime}$ | $13^{\prime \prime} 4^{\prime \prime}$ | 11'11" | $20^{\prime \prime} 6^{\prime \prime}$ | 1811" | $17^{\prime \prime} 0^{\prime \prime}$ | 12'11" | 11'11" | 10' $8^{\prime \prime}$ | 18'4" | $17^{\prime \prime} 0^{\prime \prime}$ | $15^{\prime \prime}{ }^{\prime \prime}$ | $10^{\prime \prime} 5^{\prime \prime}$ | $9^{\prime} 81$ | $8^{18} 8^{\prime \prime}$ | $15^{\prime} 0$ | $13^{\prime 1} 11^{\prime \prime}$ | $12^{\prime} 6^{\prime \prime}$ |
| 600S137-27 | 33 | 14'0' | $13^{\prime \prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | 20' 2 " | $18^{\prime \prime}$ | $16^{\prime \prime}{ }^{\prime \prime}$ | $12^{\prime \prime} 7^{\prime \prime}$ | $11^{\prime \prime} 8^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | 18'1" | 16' $9^{\prime \prime}$ | $15^{\prime} 0^{\prime \prime}$ | 10'4" | $9^{\prime} 7{ }^{\prime \prime}$ | $8^{17} 7^{\prime \prime}$ | $14^{\prime \prime} 8^{\prime \prime}$ | $13^{\prime} 7^{\prime \prime} \mathrm{e}$ | 11'10" e |
| 600S137-30 | 33 | $14^{\prime} 5^{\prime \prime}$ | $13^{\prime \prime} 4^{\prime \prime}$ | $12^{\prime \prime} 0^{\prime \prime}$ | 20'9' | $19^{\prime \prime} 3^{\prime \prime}$ | $17^{\prime \prime} 3^{\prime \prime}$ | 12'11" | $12^{\prime \prime} 0$ | 10'10" | 18' $8^{\prime \prime}$ | $17^{\prime \prime} 3^{\prime \prime}$ | $15^{\prime} 6^{\prime \prime}$ | 10'7" | $9^{\prime} 10$ " | $8^{\prime} 10^{\prime \prime}$ | $15^{\prime \prime} 2^{\prime \prime}$ | $14^{\prime \prime} 0^{\prime \prime}$ | $12{ }^{\prime \prime}$ e |
| 600S137-33 | 33 | 14'10" | $13^{\prime \prime}{ }^{\prime \prime}$ | $12^{\prime \prime} 4^{\prime \prime}$ | 21' ${ }^{\prime \prime}$ | 19'10" | 17'10" | $13^{\prime \prime} 4^{\prime \prime}$ | $12^{\prime \prime} 4^{\prime \prime}$ | 11'2" | $19^{\prime} 3^{\prime \prime}$ | 17'10" | $16^{\prime \prime} 0^{\prime \prime}$ | 10' 11" | $10^{\prime \prime} 1{ }^{\prime \prime}$ | $9^{\prime \prime} 1{ }^{\prime \prime}$ | 15' $8^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $12^{\prime \prime} 11^{\prime \prime} \mathrm{e}$ |
| 600S137-43 | 33 | $16^{\prime} 3^{\prime \prime}$ | $15^{\prime \prime}{ }^{\prime \prime}$ | $13^{\prime \prime}{ }^{\prime \prime}$ | $23^{\prime \prime} 1^{\prime \prime}$ | 21'5" | $19^{\prime \prime} 3^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime \prime}$ | $12^{\prime \prime} 0$ | 20' ${ }^{\prime \prime}$ | $19^{\prime \prime} 3^{\prime \prime}$ | $17^{\prime \prime} 3^{\prime \prime}$ | 11'9' | 10'11" | $9^{\prime} 10^{\prime \prime}$ | 16'11" | $15^{\prime \prime}$ | $14^{\prime} 2^{\prime \prime}$ |
| 600S162-33 | 33 | 16'11" | $15^{\prime \prime} 8^{\prime \prime}$ | $14^{\prime \prime}{ }^{\prime \prime}$ | $24^{\prime \prime}$ | $22^{\prime \prime}$ | 20'5" | $15^{\prime \prime} 2^{\prime \prime}$ | $14^{\prime \prime} 1^{\prime \prime}$ | $12^{\prime \prime} 8^{\prime \prime}$ | 22'0" | $20^{\prime \prime}$ | 18' $5^{\prime \prime}$ | 12'5" | $11^{\prime \prime} 6^{\prime \prime}$ | 10'5" | 18'0' | $16^{\prime \prime}{ }^{\prime \prime}$ | $14^{\prime \prime} 9^{\prime \prime} \mathrm{e}$ |
| 600S162-43 | 33 | 18'4" | $17^{\prime \prime} 0^{\prime \prime}$ | $15^{\prime \prime} 3^{\prime \prime}$ | $26^{\prime \prime} 3^{\prime \prime}$ | $24^{\prime \prime} 4^{\prime \prime}$ | 21'11" | 16'5" | $15^{\prime \prime}{ }^{\prime \prime}$ | $13^{\prime \prime} 8^{\prime \prime}$ | 23'7" | 21'11" | $19^{\prime \prime} 9^{\prime \prime}$ | 13' $5^{\prime \prime}$ | $12^{\prime \prime} 5^{\prime \prime}$ | 11'2" | $19^{\prime \prime} 4^{\prime \prime}$ | 1711" | $16^{\prime \prime} 0^{\prime \prime}$ |
| 800S125-33 | 33 | $14^{\prime} 3^{\prime \prime}$ | $13^{\prime \prime} 3^{\prime \prime}$ | 11'11" | 20'7" | $19^{\prime \prime}{ }^{\prime \prime}$ | 171' $1^{\prime \prime}$ | 12'10" | 11'11" | 10' $9^{\prime \prime}$ | 18' $5^{\prime \prime}$ | $17^{1 \prime}$ | $15^{\prime \prime}{ }^{\prime \prime}$ | $10^{\prime} 6^{\prime \prime}$ | 9'9" | 8' 9 " e | 14'11" | $13^{\prime \prime} 9^{\prime \prime} \mathrm{e}$ | $12^{\prime} 4^{\prime \prime} \mathrm{e}$ |
| 800S125-43 | 33 | 15'7" | $14^{\prime} 4^{\prime \prime}$ | 12'11" | $22^{\prime \prime} 2^{\prime \prime}$ | 20'7" | 18'6" | 13'11" | 12'11" | $11^{\prime \prime} 7^{\prime \prime}$ | 19'11" | 18'6" | $16^{\prime \prime} 8^{\prime \prime}$ | 11'4" | $10^{\prime} 6^{\prime \prime}$ | $9^{\prime} 5 \prime$ | $16^{\prime \prime} 3^{\prime \prime}$ | $15^{\prime \prime}{ }^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ |
| 800S137-33 | 33 | 16'1" | 14'11" | $13^{\prime \prime}{ }^{\prime \prime}$ | 23' $2^{\prime \prime}$ | $21^{\prime \prime}{ }^{\prime \prime}$ | $19^{\prime \prime} 3^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime \prime}{ }^{\prime \prime}$ | 12'1" | 20'9" | $19^{\prime \prime} 3^{\prime \prime}$ | $17^{\prime} 3^{\prime \prime}$ | 11'10" | $11^{\prime} 0$ | 9'10" e | $16^{\prime} 10^{\prime \prime}$ | $15^{\prime \prime} 7^{\prime \prime} \mathrm{e}$ | $14^{\prime} 0^{\prime \prime}$ e |
| 800S137-43 | 33 | $17^{\prime} 6^{\prime \prime}$ | $16^{\prime \prime} 2^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $25^{\prime \prime}{ }^{\prime \prime}$ | $23^{\prime \prime}$ | 20'11" | $15^{\prime} 8^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime \prime} 0^{\prime \prime}$ | 22'6" | 20'11" | 18'10" | 12' ${ }^{\prime \prime}$ | 11'10" | $10^{\prime \prime} 8^{\prime \prime}$ | 18' $5^{\prime \prime}$ | $17^{\prime \prime} 0^{\prime \prime}$ | $15^{\prime} 3^{\prime \prime}$ |
| 800S162-33 | 33 | $18^{\prime \prime} 4^{\prime \prime}$ | $17^{\prime} 0^{\prime \prime}$ | $15^{\prime \prime} 4^{\prime \prime}$ | $26^{\prime \prime} 4^{\prime \prime}$ | $24^{\prime \prime} 5^{\prime \prime}$ | 21'11" | $16^{\prime} 6^{\prime \prime}$ | $15^{\prime \prime} 4^{\prime \prime}$ | $13^{\prime \prime} 9$ | 23' $8^{\prime \prime}$ | 21'11" | $19^{\prime} 7^{\prime \prime} \mathrm{e}$ | $13^{\prime} 6^{\prime \prime}$ | $12^{\prime \prime} 6^{\prime \prime}$ | $11^{\prime} 2^{\prime \prime} \mathrm{e}$ | $19^{\prime} 2^{\prime \prime} \mathrm{e}$ | 17'9"e | 15'10" e |
| 800S162-43 | 33 | 19'10" | 18' ${ }^{\prime \prime}$ | $16^{\prime} 6^{\prime \prime}$ | $28^{\prime \prime}{ }^{\prime \prime}$ | $26^{\prime} 6^{\prime \prime}$ | $23^{\prime} 10^{\prime \prime}$ | $17^{\prime} 10^{\prime \prime}$ | $16^{\prime} 6^{\prime \prime}$ | $14^{\prime} 10{ }^{\prime \prime}$ | $25^{\prime} 8^{\prime \prime}$ | $23^{\prime} 10^{\prime \prime}$ | $21^{\prime \prime}{ }^{\prime \prime}$ | $14^{\prime} 6^{\prime \prime}$ | $13^{\prime} 6^{\prime \prime}$ | 12' $2^{\prime \prime}$ | 20'11" | $19^{\prime} 4^{\prime \prime}$ | $17^{\prime \prime} 4^{\prime \prime}$ |

[^2]See Ceiling Span Table Notes on page 96.



[^0]:    "e" web stiffeners required at supports.

[^1]:    "e" web stiffeners required at supports

[^2]:    "e" web stiffeners required at supports.

