

ProSTUD[®] Drywall Framing System



MBA
METAL FRAMING

Section Properties

Section Properties Table Notes

1. Section properties were determined in accordance with AISI S100-07, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
3. Tabulated gross properties including torsional properties are based on full-unreduced cross section of the studs, away from punchouts.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment includes cold-work of forming.
6. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.
7. Allowable moment is taken as the lowest value based on local or distortional buckling. Distortional buckling strength is based on a $k\text{-}\phi = 0$.

Non-Structural (PS) ProSTUD® Section Properties

| Section | Design Thickness (in) | F _y (ksi) | Gross Section Properties | | | | | | Effective Section Properties at F _y | | | | | | Torsional Properties | | | | | L _U (in) |
|--------------------------|-----------------------|----------------------|--------------------------|----------------|-----------------------------------|---------------------|-----------------------------------|---------------------|--|-----------------------------------|-----------------------------------|-------------------------|---------------------|-------------------------|---------------------------|-----------------------------------|---------------------|---------------------|-------|---------------------|
| | | | Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | R _x (in) | I _y (in ⁴) | R _y (in) | A _e (in ²) | I _x (in ⁴) | S _x (in ³) | M _a (in-lbs) | V _a (lb) | V _{a,net} (lb) | Jx1000 (in ⁴) | C _w (in ⁶) | X ₀ (in) | R ₀ (in) | β | |
| 162PS125-15 | 0.0158 | 50 | 0.071 | 0.24 | 0.033 | 0.688 | 0.015 | 0.466 | 0.033 | 0.030 | 0.024 | 719 | 232 | 104 | 0.006 | 0.009 | -1.088 | 1.369 | 0.368 | 24.8 |
| 250PS125-15 | 0.0158 | 50 | 0.085 | 0.29 | 0.088 | 1.020 | 0.018 | 0.459 | 0.033 | 0.080 | 0.044 | 1198 | 147 | 141 | 0.007 | 0.023 | -0.959 | 1.473 | 0.576 | 24.5 |
| 350PS125-15 ¹ | 0.0158 | 50 | 0.100 | 0.34 | 0.190 | 1.377 | 0.020 | 0.444 | 0.034 | 0.177 | 0.054 | 1629 | 104 | 104 | 0.008 | 0.048 | -0.849 | 1.677 | 0.744 | 24.3 |
| 362PS125-15 ¹ | 0.0158 | 50 | 0.102 | 0.35 | 0.206 | 1.420 | 0.020 | 0.442 | 0.034 | 0.190 | 0.056 | 1689 | 100 | 100 | 0.009 | 0.051 | -0.837 | 1.706 | 0.760 | 24.3 |
| 400PS125-15 ¹ | 0.0158 | 50 | 0.108 | 0.37 | 0.260 | 1.549 | 0.021 | 0.436 | 0.034 | 0.233 | 0.062 | 1870 | 90 | 90 | 0.009 | 0.064 | -0.803 | 1.798 | 0.800 | 24.2 |
| 550PS125-15 ² | 0.0158 | 50 | 0.132 | 0.45 | 0.553 | 2.047 | 0.022 | 0.411 | 0.034 | 0.444 | 0.097 | 2590 | 65 | 65 | 0.011 | 0.132 | -0.695 | 2.201 | 0.900 | 23.8 |
| 600PS125-15 ² | 0.0158 | 50 | 0.140 | 0.48 | 0.683 | 2.209 | 0.023 | 0.404 | 0.034 | 0.537 | 0.105 | 2781 | 60 | 60 | 0.012 | 0.161 | -0.666 | 2.343 | 0.919 | 23.6 |
| 162PS125-19 | 0.0200 | 65 | 0.090 | 0.31 | 0.042 | 0.685 | 0.020 | 0.466 | 0.042 | 0.037 | 0.031 | 1193 | 473 | 165 | 0.012 | 0.012 | -1.096 | 1.374 | 0.364 | 22.0 |
| 250PS125-19 | 0.0200 | 65 | 0.109 | 0.37 | 0.112 | 1.017 | 0.024 | 0.467 | 0.046 | 0.104 | 0.061 | 2110 | 299 | 226 | 0.014 | 0.032 | -0.992 | 1.495 | 0.560 | 22.2 |
| 350PS125-19 | 0.0200 | 65 | 0.129 | 0.44 | 0.245 | 1.376 | 0.027 | 0.456 | 0.048 | 0.233 | 0.077 | 2992 | 211 | 183 | 0.017 | 0.067 | -0.888 | 1.700 | 0.727 | 22.1 |
| 362PS125-19 | 0.0200 | 65 | 0.132 | 0.45 | 0.266 | 1.420 | 0.027 | 0.454 | 0.048 | 0.254 | 0.080 | 3103 | 203 | 189 | 0.018 | 0.072 | -0.876 | 1.729 | 0.743 | 22.1 |
| 400PS125-19 | 0.0200 | 65 | 0.140 | 0.48 | 0.336 | 1.550 | 0.028 | 0.451 | 0.050 | 0.316 | 0.091 | 3537 | 184 | 184 | 0.019 | 0.092 | -0.851 | 1.825 | 0.783 | 22.2 |
| 550PS125-19 ² | 0.0200 | 65 | 0.171 | 0.58 | 0.721 | 2.055 | 0.032 | 0.431 | 0.052 | 0.599 | 0.144 | 4967 | 132 | 132 | 0.023 | 0.192 | -0.749 | 2.229 | 0.887 | 21.9 |
| 600PS125-19 ² | 0.0200 | 65 | 0.181 | 0.62 | 0.892 | 2.220 | 0.033 | 0.425 | 0.051 | 0.727 | 0.158 | 5421 | 121 | 121 | 0.024 | 0.236 | -0.723 | 2.373 | 0.907 | 21.9 |
| 162PS125-22 | 0.0232 | 57 | 0.103 | 0.35 | 0.048 | 0.685 | 0.022 | 0.462 | 0.053 | 0.044 | 0.038 | 1302 | 605 | 181 | 0.018 | 0.013 | -1.079 | 1.359 | 0.369 | 23.2 |
| 250PS125-22 | 0.0232 | 57 | 0.123 | 0.42 | 0.127 | 1.016 | 0.026 | 0.455 | 0.055 | 0.115 | 0.075 | 2226 | 468 | 303 | 0.022 | 0.033 | -0.950 | 1.464 | 0.579 | 22.9 |
| 350PS125-22 | 0.0232 | 57 | 0.147 | 0.50 | 0.276 | 1.372 | 0.028 | 0.440 | 0.055 | 0.256 | 0.088 | 3008 | 329 | 246 | 0.026 | 0.068 | -0.840 | 1.668 | 0.746 | 22.7 |
| 362PS125-22 | 0.0232 | 57 | 0.149 | 0.51 | 0.300 | 1.416 | 0.029 | 0.438 | 0.055 | 0.279 | 0.091 | 3121 | 318 | 253 | 0.027 | 0.074 | -0.828 | 1.698 | 0.762 | 22.7 |
| 400PS125-22 | 0.0232 | 57 | 0.158 | 0.54 | 0.377 | 1.544 | 0.030 | 0.432 | 0.055 | 0.353 | 0.101 | 3459 | 287 | 272 | 0.028 | 0.092 | -0.795 | 1.790 | 0.803 | 22.6 |
| 550PS125-22 ¹ | 0.0232 | 57 | 0.193 | 0.66 | 0.805 | 2.043 | 0.032 | 0.408 | 0.056 | 0.680 | 0.161 | 4959 | 207 | 207 | 0.035 | 0.190 | -0.688 | 2.194 | 0.902 | 22.2 |
| 600PS125-22 ¹ | 0.0232 | 57 | 0.205 | 0.70 | 0.997 | 2.205 | 0.033 | 0.402 | 0.056 | 0.830 | 0.178 | 5404 | 189 | 189 | 0.037 | 0.233 | -0.662 | 2.337 | 0.920 | 22.1 |

¹ Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

² Web-depth to thickness ratio exceeds 260. Web stiffeners are required at all bearing and intermediate locations, and no web holes are permitted in non-composite conditions

Section Properties

Section Properties Table Notes

1. Section properties were determined in accordance with AISI S100-07, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
3. Tabulated gross properties including torsional properties are based on full-unreduced cross section of the tracks.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment includes cold-work of forming.
6. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.

Non-Structural (PT) ProTRAK® (1" Leg) Section Properties

| Section | Design Thickness (in) | F _y (ksi) | Gross Section Properties | | | | | | Effective Section Properties at F _y | | | | | Torsional Properties | | | | |
|--------------------------|-----------------------|----------------------|--------------------------|----------------|-----------------------------------|---------------------|-----------------------------------|---------------------|--|-----------------------------------|-----------------------------------|-------------------------|----------------------|---------------------------|-----------------------------------|---------------------|---------------------|-------|
| | | | Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | R _x (in) | I _y (in ⁴) | R _y (in) | A _e (in ²) | I _x (in ⁴) | S _x (in ³) | M _a (in-lbs) | V _{ag} (lb) | Jx1000 (in ⁴) | C _w (in ⁶) | X _o (in) | R _o (in) | β |
| 162PT100-15 | 0.0158 | 50 | 0.057 | 0.19 | 0.028 | 0.698 | 0.006 | 0.325 | 0.020 | 0.019 | 0.016 | 470 | 222 | 0.005 | 0.003 | -0.659 | 1.014 | 0.578 |
| 250PT100-15 | 0.0158 | 50 | 0.071 | 0.24 | 0.072 | 1.007 | 0.007 | 0.311 | 0.020 | 0.054 | 0.024 | 725 | 143 | 0.006 | 0.008 | -0.566 | 1.197 | 0.776 |
| 350PT100-15 ¹ | 0.0158 | 50 | 0.087 | 0.30 | 0.156 | 1.341 | 0.007 | 0.294 | 0.021 | 0.112 | 0.034 | 1017 | 101 | 0.007 | 0.017 | -0.490 | 1.458 | 0.887 |
| 362PT100-15 ¹ | 0.0158 | 50 | 0.089 | 0.30 | 0.170 | 1.382 | 0.008 | 0.292 | 0.021 | 0.120 | 0.035 | 1054 | 98 | 0.007 | 0.019 | -0.482 | 1.492 | 0.896 |
| 400PT100-15 ¹ | 0.0158 | 50 | 0.095 | 0.32 | 0.214 | 1.503 | 0.008 | 0.286 | 0.021 | 0.138 | 0.038 | 1147 | 89 | 0.008 | 0.023 | -0.459 | 1.597 | 0.917 |
| 550PT100-15 ² | 0.0158 | 50 | 0.118 | 0.40 | 0.463 | 1.976 | 0.008 | 0.264 | 0.021 | 0.277 | 0.053 | 1595 | 64 | 0.010 | 0.049 | -0.388 | 2.031 | 0.964 |
| 600PT100-15 ² | 0.0158 | 50 | 0.126 | 0.43 | 0.574 | 2.131 | 0.008 | 0.257 | 0.021 | 0.334 | 0.058 | 1744 | 59 | 0.011 | 0.059 | -0.369 | 2.178 | 0.971 |
| 162PT100-19 | 0.0200 | 50 | 0.072 | 0.25 | 0.035 | 0.700 | 0.008 | 0.325 | 0.031 | 0.026 | 0.023 | 692 | 421 | 0.010 | 0.004 | -0.656 | 1.013 | 0.580 |
| 250PT100-19 | 0.0200 | 50 | 0.090 | 0.31 | 0.091 | 1.008 | 0.009 | 0.310 | 0.031 | 0.071 | 0.038 | 1146 | 289 | 0.012 | 0.010 | -0.564 | 1.196 | 0.778 |
| 350PT100-19 | 0.0200 | 50 | 0.110 | 0.37 | 0.198 | 1.342 | 0.009 | 0.293 | 0.032 | 0.162 | 0.053 | 1589 | 206 | 0.015 | 0.022 | -0.488 | 1.458 | 0.888 |
| 362PT100-19 | 0.0200 | 50 | 0.112 | 0.38 | 0.215 | 1.383 | 0.010 | 0.291 | 0.032 | 0.177 | 0.055 | 1645 | 199 | 0.015 | 0.024 | -0.480 | 1.492 | 0.897 |
| 400PT100-19 | 0.0200 | 50 | 0.120 | 0.41 | 0.271 | 1.504 | 0.010 | 0.285 | 0.032 | 0.197 | 0.059 | 1755 | 180 | 0.016 | 0.030 | -0.458 | 1.597 | 0.918 |
| 550PT100-19 ² | 0.0200 | 50 | 0.150 | 0.51 | 0.586 | 1.977 | 0.010 | 0.263 | 0.032 | 0.398 | 0.082 | 2451 | 130 | 0.020 | 0.061 | -0.386 | 2.032 | 0.964 |
| 600PT100-19 ² | 0.0200 | 50 | 0.160 | 0.54 | 0.727 | 2.132 | 0.011 | 0.257 | 0.032 | 0.483 | 0.090 | 2683 | 119 | 0.021 | 0.075 | -0.368 | 2.178 | 0.972 |
| 162PT100-22 | 0.0232 | 50 | 0.084 | 0.29 | 0.041 | 0.701 | 0.009 | 0.324 | 0.040 | 0.031 | 0.028 | 844 | 566 | 0.015 | 0.004 | -0.655 | 1.012 | 0.582 |
| 250PT100-22 | 0.0232 | 50 | 0.104 | 0.35 | 0.106 | 1.009 | 0.010 | 0.310 | 0.041 | 0.084 | 0.052 | 1550 | 452 | 0.019 | 0.012 | -0.562 | 1.196 | 0.779 |
| 350PT100-22 | 0.0232 | 50 | 0.128 | 0.43 | 0.230 | 1.343 | 0.011 | 0.292 | 0.042 | 0.192 | 0.071 | 2123 | 321 | 0.023 | 0.025 | -0.487 | 1.458 | 0.889 |
| 362PT100-22 | 0.0232 | 50 | 0.130 | 0.44 | 0.250 | 1.384 | 0.011 | 0.290 | 0.042 | 0.210 | 0.073 | 2197 | 310 | 0.023 | 0.027 | -0.478 | 1.493 | 0.897 |
| 400PT100-22 | 0.0232 | 50 | 0.139 | 0.47 | 0.315 | 1.504 | 0.011 | 0.284 | 0.042 | 0.244 | 0.076 | 2289 | 281 | 0.025 | 0.034 | -0.456 | 1.598 | 0.918 |
| 550PT100-22 ¹ | 0.0232 | 50 | 0.174 | 0.59 | 0.680 | 1.977 | 0.012 | 0.262 | 0.043 | 0.498 | 0.107 | 3209 | 204 | 0.031 | 0.071 | -0.385 | 2.032 | 0.964 |
| 600PT100-22 ¹ | 0.0232 | 50 | 0.186 | 0.63 | 0.843 | 2.132 | 0.012 | 0.256 | 0.043 | 0.604 | 0.117 | 3516 | 186 | 0.033 | 0.086 | -0.367 | 2.178 | 0.972 |

¹ Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

² Web-depth to thickness ratio exceeds 260. Web stiffeners are required at all bearing and intermediate locations, and no web holes are permitted in non-composite conditions

Section Properties

Section Properties Table Notes

1. Section properties were determined in accordance with AISI S100-07, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
3. Tabulated gross properties including torsional properties are based on full-unreduced cross section of the tracks.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment includes cold-work of forming.
6. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.

Non-Structural (PT) ProTRAK[®] (1-1/4" Leg) Section Properties

| Section | Design Thickness (in) | F _y (ksi) | Gross Section Properties | | | | | | Effective Section Properties at F _y | | | | | Torsional Properties | | | | |
|--------------------------|-----------------------|----------------------|--------------------------|----------------|-----------------------------------|---------------------|-----------------------------------|---------------------|--|-----------------------------------|-----------------------------------|-------------------------|---------------------|---------------------------|-----------------------------------|---------------------|---------------------|-------|
| | | | Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | R _x (in) | I _y (in ⁴) | R _y (in) | A _e (in ²) | I _x (in ⁴) | S _x (in ³) | M _a (in-lbs) | V _a (lb) | Jx1000 (in ⁴) | C _w (in ⁶) | X _o (in) | R _o (in) | β |
| 162PT125-15 | 0.0158 | 50 | 0.065 | 0.22 | 0.034 | 0.717 | 0.011 | 0.412 | 0.020 | 0.021 | 0.016 | 464 | 222 | 0.005 | 0.006 | -0.881 | 1.208 | 0.468 |
| 250PT125-15 | 0.0158 | 50 | 0.079 | 0.27 | 0.085 | 1.038 | 0.013 | 0.400 | 0.020 | 0.059 | 0.024 | 724 | 143 | 0.007 | 0.015 | -0.771 | 1.353 | 0.675 |
| 350PT125-15 ¹ | 0.0158 | 50 | 0.095 | 0.32 | 0.181 | 1.383 | 0.014 | 0.383 | 0.021 | 0.116 | 0.034 | 1022 | 101 | 0.008 | 0.031 | -0.678 | 1.587 | 0.818 |
| 362PT125-15 ¹ | 0.0158 | 50 | 0.097 | 0.33 | 0.196 | 1.425 | 0.014 | 0.381 | 0.021 | 0.125 | 0.035 | 1059 | 98 | 0.008 | 0.034 | -0.668 | 1.619 | 0.830 |
| 400PT125-15 ¹ | 0.0158 | 50 | 0.103 | 0.35 | 0.247 | 1.550 | 0.014 | 0.374 | 0.021 | 0.153 | 0.039 | 1171 | 89 | 0.009 | 0.043 | -0.640 | 1.718 | 0.861 |
| 550PT125-15 ² | 0.0158 | 50 | 0.126 | 0.43 | 0.524 | 2.036 | 0.015 | 0.350 | 0.021 | 0.290 | 0.054 | 1611 | 64 | 0.011 | 0.089 | -0.549 | 2.137 | 0.934 |
| 600PT125-15 ² | 0.0158 | 50 | 0.134 | 0.46 | 0.646 | 2.194 | 0.016 | 0.343 | 0.021 | 0.350 | 0.059 | 1762 | 59 | 0.011 | 0.108 | -0.524 | 2.282 | 0.947 |
| 162PT125-19 | 0.0200 | 50 | 0.082 | 0.28 | 0.043 | 0.719 | 0.014 | 0.411 | 0.031 | 0.028 | 0.024 | 718 | 421 | 0.011 | 0.007 | -0.879 | 1.207 | 0.470 |
| 250PT125-19 | 0.0200 | 50 | 0.100 | 0.34 | 0.108 | 1.039 | 0.016 | 0.400 | 0.032 | 0.078 | 0.038 | 1136 | 289 | 0.013 | 0.018 | -0.769 | 1.353 | 0.677 |
| 350PT125-19 | 0.0200 | 50 | 0.120 | 0.41 | 0.230 | 1.384 | 0.018 | 0.382 | 0.032 | 0.176 | 0.053 | 1593 | 206 | 0.016 | 0.040 | -0.676 | 1.587 | 0.819 |
| 362PT125-19 | 0.0200 | 50 | 0.122 | 0.42 | 0.249 | 1.426 | 0.018 | 0.380 | 0.032 | 0.191 | 0.055 | 1650 | 199 | 0.016 | 0.043 | -0.666 | 1.619 | 0.831 |
| 400PT125-19 | 0.0200 | 50 | 0.130 | 0.44 | 0.312 | 1.551 | 0.018 | 0.374 | 0.032 | 0.232 | 0.061 | 1822 | 180 | 0.017 | 0.054 | -0.638 | 1.718 | 0.862 |
| 550PT125-19 ² | 0.0200 | 50 | 0.160 | 0.54 | 0.663 | 2.037 | 0.020 | 0.349 | 0.032 | 0.420 | 0.083 | 2483 | 130 | 0.021 | 0.112 | -0.547 | 2.137 | 0.934 |
| 600PT125-19 ² | 0.0200 | 50 | 0.170 | 0.58 | 0.819 | 2.195 | 0.020 | 0.342 | 0.032 | 0.508 | 0.091 | 2717 | 119 | 0.023 | 0.137 | -0.523 | 2.282 | 0.948 |
| 162PT125-22 | 0.0232 | 50 | 0.096 | 0.33 | 0.050 | 0.720 | 0.016 | 0.411 | 0.040 | 0.034 | 0.029 | 877 | 566 | 0.017 | 0.008 | -0.877 | 1.206 | 0.472 |
| 250PT125-22 | 0.0232 | 50 | 0.116 | 0.39 | 0.125 | 1.040 | 0.018 | 0.399 | 0.041 | 0.092 | 0.051 | 1525 | 452 | 0.021 | 0.021 | -0.767 | 1.352 | 0.678 |
| 350PT125-22 | 0.0232 | 50 | 0.139 | 0.47 | 0.267 | 1.384 | 0.020 | 0.382 | 0.042 | 0.209 | 0.071 | 2120 | 321 | 0.025 | 0.046 | -0.674 | 1.587 | 0.819 |
| 362PT125-22 | 0.0232 | 50 | 0.142 | 0.48 | 0.290 | 1.428 | 0.020 | 0.379 | 0.042 | 0.228 | 0.073 | 2197 | 310 | 0.025 | 0.050 | -0.664 | 1.620 | 0.832 |
| 400PT125-22 | 0.0232 | 50 | 0.151 | 0.51 | 0.363 | 1.551 | 0.021 | 0.373 | 0.042 | 0.290 | 0.081 | 2419 | 281 | 0.027 | 0.062 | -0.636 | 1.718 | 0.863 |
| 550PT125-22 ¹ | 0.0232 | 50 | 0.186 | 0.63 | 0.770 | 2.037 | 0.023 | 0.349 | 0.043 | 0.527 | 0.109 | 3258 | 204 | 0.033 | 0.130 | -0.546 | 2.138 | 0.935 |
| 600PT125-22 ¹ | 0.0232 | 50 | 0.197 | 0.67 | 0.950 | 2.195 | 0.023 | 0.341 | 0.043 | 0.638 | 0.119 | 3568 | 186 | 0.035 | 0.158 | -0.522 | 2.282 | 0.948 |

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² Web-depth to thickness ratio exceeds 260. Web stiffeners are required at all bearing and intermediate locations, and no web holes are permitted in non-composite conditions

Section Properties

Section Properties Table Notes

1. Section properties were determined in accordance with AISI S100-07, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
3. Tabulated gross properties including torsional properties are based on full-unreduced cross section of the tracks.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment includes cold-work of forming.
6. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.

Non-Structural (PT) ProTRAK® (1-1/2" Leg) Section Properties

| Section | Design Thickness (in) | F _y (ksi) | Gross Section Properties | | | | | | Effective Section Properties at F _y | | | | | Torsional Properties | | | | |
|--------------------------|-----------------------|----------------------|--------------------------|----------------|-----------------------------------|---------------------|-----------------------------------|---------------------|--|-----------------------------------|-----------------------------------|-------------------------|---------------------|---------------------------|-----------------------------------|---------------------|---------------------|-------|
| | | | Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | R _x (in) | I _y (in ⁴) | R _y (in) | A _e (in ²) | I _x (in ⁴) | S _x (in ³) | M _a (in-lbs) | V _a (lb) | Jx1000 (in ⁴) | C _w (in ⁶) | X _o (in) | R _o (in) | β |
| 162PT150-15 | 0.0158 | 50 | 0.073 | 0.25 | 0.039 | 0.731 | 0.018 | 0.497 | 0.020 | 0.023 | 0.015 | 460 | 222 | 0.006 | 0.009 | -1.110 | 1.419 | 0.388 |
| 250PT150-15 | 0.0158 | 50 | 0.087 | 0.30 | 0.098 | 1.062 | 0.021 | 0.489 | 0.020 | 0.061 | 0.024 | 723 | 143 | 0.007 | 0.024 | -0.985 | 1.529 | 0.585 |
| 350PT150-15 ¹ | 0.0158 | 50 | 0.103 | 0.35 | 0.206 | 1.417 | 0.023 | 0.473 | 0.021 | 0.120 | 0.034 | 1024 | 101 | 0.009 | 0.051 | -0.877 | 1.732 | 0.744 |
| 362PT150-15 ¹ | 0.0158 | 50 | 0.105 | 0.36 | 0.223 | 1.460 | 0.023 | 0.470 | 0.021 | 0.129 | 0.035 | 1061 | 98 | 0.009 | 0.056 | -0.865 | 1.761 | 0.759 |
| 400PT150-15 ¹ | 0.0158 | 50 | 0.111 | 0.38 | 0.279 | 1.589 | 0.024 | 0.464 | 0.021 | 0.158 | 0.039 | 1175 | 89 | 0.009 | 0.070 | -0.832 | 1.852 | 0.798 |
| 550PT150-15 ² | 0.0158 | 50 | 0.134 | 0.46 | 0.585 | 2.087 | 0.026 | 0.438 | 0.021 | 0.307 | 0.054 | 1628 | 64 | 0.011 | 0.145 | -0.722 | 2.251 | 0.897 |
| 600PT150-15 ² | 0.0158 | 50 | 0.142 | 0.48 | 0.719 | 2.249 | 0.026 | 0.430 | 0.021 | 0.363 | 0.059 | 1774 | 59 | 0.012 | 0.177 | -0.692 | 2.392 | 0.916 |
| 162PT150-19 | 0.0200 | 50 | 0.092 | 0.31 | 0.050 | 0.733 | 0.023 | 0.496 | 0.031 | 0.030 | 0.024 | 721 | 421 | 0.012 | 0.012 | -1.107 | 1.418 | 0.390 |
| 250PT150-19 | 0.0200 | 50 | 0.110 | 0.37 | 0.124 | 1.063 | 0.026 | 0.488 | 0.032 | 0.084 | 0.038 | 1129 | 289 | 0.015 | 0.030 | -0.983 | 1.528 | 0.586 |
| 350PT150-19 | 0.0200 | 50 | 0.130 | 0.44 | 0.261 | 1.418 | 0.029 | 0.472 | 0.032 | 0.183 | 0.053 | 1593 | 206 | 0.017 | 0.065 | -0.875 | 1.732 | 0.745 |
| 362PT150-19 | 0.0200 | 50 | 0.132 | 0.45 | 0.283 | 1.461 | 0.029 | 0.470 | 0.032 | 0.196 | 0.055 | 1652 | 199 | 0.018 | 0.070 | -0.863 | 1.761 | 0.760 |
| 400PT150-19 | 0.0200 | 50 | 0.140 | 0.48 | 0.354 | 1.590 | 0.030 | 0.463 | 0.032 | 0.238 | 0.061 | 1826 | 180 | 0.019 | 0.088 | -0.830 | 1.852 | 0.799 |
| 550PT150-19 ² | 0.0200 | 50 | 0.170 | 0.58 | 0.741 | 2.088 | 0.032 | 0.437 | 0.032 | 0.457 | 0.084 | 2527 | 130 | 0.023 | 0.183 | -0.721 | 2.251 | 0.898 |
| 600PT150-19 ² | 0.0200 | 50 | 0.180 | 0.61 | 0.910 | 2.249 | 0.033 | 0.429 | 0.033 | 0.530 | 0.092 | 2741 | 119 | 0.024 | 0.224 | -0.691 | 2.392 | 0.917 |
| 162PT150-22 | 0.0232 | 50 | 0.107 | 0.36 | 0.058 | 0.734 | 0.026 | 0.496 | 0.040 | 0.037 | 0.030 | 902 | 566 | 0.019 | 0.013 | -1.105 | 1.417 | 0.391 |
| 250PT150-22 | 0.0232 | 50 | 0.128 | 0.43 | 0.144 | 1.064 | 0.030 | 0.487 | 0.042 | 0.100 | 0.050 | 1508 | 452 | 0.023 | 0.035 | -0.981 | 1.527 | 0.587 |
| 350PT150-22 | 0.0232 | 50 | 0.151 | 0.51 | 0.303 | 1.419 | 0.033 | 0.471 | 0.042 | 0.224 | 0.071 | 2117 | 321 | 0.027 | 0.075 | -0.873 | 1.731 | 0.746 |
| 362PT150-22 | 0.0232 | 50 | 0.154 | 0.52 | 0.329 | 1.463 | 0.034 | 0.469 | 0.042 | 0.244 | 0.073 | 2195 | 310 | 0.028 | 0.082 | -0.861 | 1.761 | 0.761 |
| 400PT150-22 | 0.0232 | 50 | 0.162 | 0.55 | 0.411 | 1.590 | 0.035 | 0.462 | 0.043 | 0.311 | 0.081 | 2422 | 281 | 0.029 | 0.102 | -0.828 | 1.852 | 0.800 |
| 550PT150-22 ¹ | 0.0232 | 50 | 0.197 | 0.67 | 0.859 | 2.088 | 0.038 | 0.437 | 0.043 | 0.591 | 0.112 | 3342 | 204 | 0.035 | 0.212 | -0.719 | 2.251 | 0.898 |
| 600PT150-22 ¹ | 0.0232 | 50 | 0.209 | 0.71 | 1.056 | 2.250 | 0.038 | 0.429 | 0.043 | 0.668 | 0.120 | 3604 | 186 | 0.037 | 0.259 | -0.690 | 2.392 | 0.917 |

¹ Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

² Web-depth to thickness ratio exceeds 260. Web stiffeners are required at all bearing and intermediate locations, and no web holes are permitted in non-composite conditions

Section Properties

Section Properties Table Notes

1. Section properties were determined in accordance with AISI S100-07, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
3. Tabulated gross properties including torsional properties are based on full-unreduced cross section of the tracks.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment includes cold-work of forming.
6. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.

Non-Structural (PT) ProTRAK® (2" Leg) Section Properties

| Section | Design Thickness (in) | F _y (ksi) | Gross Section Properties | | | | | | Effective Section Properties at F _y | | | | | Torsional Properties | | | | |
|--------------------------|-----------------------|----------------------|--------------------------|----------------|-----------------------------------|---------------------|-----------------------------------|---------------------|--|-----------------------------------|-----------------------------------|-------------------------|---------------------|---------------------------|-----------------------------------|---------------------|---------------------|-------|
| | | | Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | R _x (in) | I _y (in ⁴) | R _y (in) | A _e (in ²) | I _x (in ⁴) | S _x (in ³) | M _a (in-lbs) | V _a (lb) | Jx1000 (in ⁴) | C _w (in ⁶) | X _o (in) | R _o (in) | β |
| 162PT200-15 | 0.0158 | 50 | 0.089 | 0.30 | 0.050 | 0.752 | 0.039 | 0.663 | 0.020 | 0.025 | 0.015 | 455 | 222 | 0.007 | 0.020 | -1.579 | 1.870 | 0.287 |
| 250PT200-15 | 0.0158 | 50 | 0.103 | 0.35 | 0.124 | 1.098 | 0.045 | 0.662 | 0.021 | 0.064 | 0.024 | 720 | 143 | 0.009 | 0.052 | -1.431 | 1.921 | 0.445 |
| 350PT200-15 ¹ | 0.0158 | 50 | 0.118 | 0.40 | 0.256 | 1.470 | 0.050 | 0.650 | 0.021 | 0.127 | 0.034 | 1025 | 101 | 0.010 | 0.111 | -1.297 | 2.066 | 0.606 |
| 362PT200-15 ¹ | 0.0158 | 50 | 0.120 | 0.41 | 0.277 | 1.516 | 0.051 | 0.648 | 0.021 | 0.137 | 0.036 | 1063 | 98 | 0.010 | 0.120 | -1.282 | 2.088 | 0.623 |
| 400PT200-15 ¹ | 0.0158 | 50 | 0.126 | 0.43 | 0.344 | 1.650 | 0.052 | 0.642 | 0.021 | 0.168 | 0.039 | 1178 | 89 | 0.011 | 0.151 | -1.240 | 2.162 | 0.671 |
| 550PT200-15 ² | 0.0158 | 50 | 0.150 | 0.51 | 0.707 | 2.170 | 0.057 | 0.617 | 0.021 | 0.325 | 0.055 | 1637 | 64 | 0.012 | 0.314 | -1.098 | 2.509 | 0.809 |
| 600PT200-15 ² | 0.0158 | 50 | 0.158 | 0.54 | 0.864 | 2.338 | 0.058 | 0.608 | 0.021 | 0.389 | 0.060 | 1789 | 59 | 0.013 | 0.383 | -1.058 | 2.638 | 0.839 |
| 162PT200-19 | 0.0200 | 50 | 0.112 | 0.38 | 0.064 | 0.754 | 0.049 | 0.662 | 0.031 | 0.034 | 0.024 | 707 | 421 | 0.015 | 0.026 | -1.576 | 1.868 | 0.288 |
| 250PT200-19 | 0.0200 | 50 | 0.130 | 0.44 | 0.157 | 1.099 | 0.057 | 0.661 | 0.032 | 0.094 | 0.037 | 1119 | 289 | 0.017 | 0.066 | -1.429 | 1.920 | 0.446 |
| 350PT200-19 | 0.0200 | 50 | 0.150 | 0.51 | 0.325 | 1.472 | 0.063 | 0.649 | 0.032 | 0.191 | 0.053 | 1592 | 206 | 0.020 | 0.141 | -1.295 | 2.065 | 0.607 |
| 362PT200-19 | 0.0200 | 50 | 0.152 | 0.52 | 0.351 | 1.517 | 0.064 | 0.647 | 0.032 | 0.205 | 0.055 | 1651 | 199 | 0.020 | 0.152 | -1.280 | 2.088 | 0.624 |
| 400PT200-19 | 0.0200 | 50 | 0.160 | 0.54 | 0.436 | 1.651 | 0.066 | 0.642 | 0.032 | 0.251 | 0.061 | 1829 | 180 | 0.021 | 0.191 | -1.238 | 2.161 | 0.672 |
| 550PT200-19 ² | 0.0200 | 50 | 0.190 | 0.65 | 0.895 | 2.171 | 0.072 | 0.616 | 0.033 | 0.484 | 0.085 | 2542 | 130 | 0.025 | 0.397 | -1.096 | 2.509 | 0.809 |
| 600PT200-19 ² | 0.0200 | 50 | 0.200 | 0.68 | 1.094 | 2.339 | 0.074 | 0.607 | 0.033 | 0.580 | 0.093 | 2780 | 119 | 0.027 | 0.485 | -1.056 | 2.637 | 0.840 |
| 162PT200-22 | 0.0232 | 50 | 0.130 | 0.44 | 0.074 | 0.755 | 0.057 | 0.661 | 0.041 | 0.041 | 0.031 | 935 | 566 | 0.023 | 0.030 | -1.574 | 1.867 | 0.289 |
| 250PT200-22 | 0.0232 | 50 | 0.151 | 0.51 | 0.182 | 1.100 | 0.066 | 0.660 | 0.042 | 0.112 | 0.050 | 1485 | 452 | 0.027 | 0.076 | -1.427 | 1.919 | 0.447 |
| 350PT200-22 | 0.0232 | 50 | 0.174 | 0.59 | 0.377 | 1.473 | 0.073 | 0.649 | 0.043 | 0.249 | 0.070 | 2109 | 321 | 0.031 | 0.163 | -1.293 | 2.064 | 0.608 |
| 362PT200-22 | 0.0232 | 50 | 0.177 | 0.60 | 0.408 | 1.519 | 0.074 | 0.647 | 0.043 | 0.268 | 0.073 | 2189 | 310 | 0.032 | 0.177 | -1.278 | 2.088 | 0.625 |
| 400PT200-22 | 0.0232 | 50 | 0.186 | 0.63 | 0.506 | 1.652 | 0.076 | 0.641 | 0.043 | 0.326 | 0.081 | 2421 | 281 | 0.033 | 0.221 | -1.236 | 2.161 | 0.673 |
| 550PT200-22 ¹ | 0.0232 | 50 | 0.220 | 0.75 | 1.039 | 2.172 | 0.083 | 0.615 | 0.043 | 0.623 | 0.112 | 3361 | 204 | 0.040 | 0.460 | -1.094 | 2.508 | 0.810 |
| 600PT200-22 ¹ | 0.0232 | 50 | 0.232 | 0.79 | 1.270 | 2.340 | 0.085 | 0.606 | 0.043 | 0.746 | 0.123 | 3675 | 186 | 0.042 | 0.562 | -1.055 | 2.637 | 0.840 |

¹ Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

² Web-depth to thickness ratio exceeds 260. Web stiffeners are required at all bearing and intermediate locations, and no web holes are permitted in non-composite conditions

Section Properties

Section Properties Table Notes

1. Section properties were determined in accordance with AISI S100-07, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
3. Tabulated gross properties including torsional properties are based on full-unreduced cross section of the tracks.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment includes cold-work of forming.
6. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.

Non-Structural (PT) ProTRAK® (2-1/2" Leg) Section Properties

| Section | Design Thickness (in) | F _y (ksi) | Gross Section Properties | | | | | | Effective Section Properties at F _y | | | | | Torsional Properties | | | | |
|--------------------------|-----------------------|----------------------|--------------------------|----------------|-----------------------------------|---------------------|-----------------------------------|---------------------|--|-----------------------------------|-----------------------------------|-------------------------|---------------------|---------------------------|-----------------------------------|---------------------|---------------------|-------|
| | | | Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | R _x (in) | I _y (in ⁴) | R _y (in) | A _e (in ²) | I _x (in ⁴) | S _x (in ³) | M _a (in-lbs) | V _a (lb) | Jx1000 (in ⁴) | C _w (in ⁶) | X _o (in) | R _o (in) | β |
| 162PT250-15 | 0.0158 | 50 | 0.105 | 0.36 | 0.061 | 0.766 | 0.071 | 0.824 | 0.020 | 0.027 | 0.015 | 455 | 222 | 0.009 | 0.038 | -2.058 | 2.345 | 0.230 |
| 250PT250-15 | 0.0158 | 50 | 0.118 | 0.40 | 0.150 | 1.123 | 0.082 | 0.831 | 0.021 | 0.066 | 0.024 | 725 | 143 | 0.010 | 0.096 | -1.892 | 2.352 | 0.353 |
| 350PT250-15 ¹ | 0.0158 | 50 | 0.134 | 0.46 | 0.306 | 1.510 | 0.091 | 0.825 | 0.021 | 0.132 | 0.035 | 1034 | 101 | 0.011 | 0.203 | -1.737 | 2.445 | 0.495 |
| 362PT250-15 ¹ | 0.0158 | 50 | 0.136 | 0.46 | 0.330 | 1.557 | 0.092 | 0.823 | 0.021 | 0.142 | 0.036 | 1073 | 98 | 0.011 | 0.220 | -1.720 | 2.462 | 0.512 |
| 400PT250-15 ¹ | 0.0158 | 50 | 0.142 | 0.48 | 0.409 | 1.696 | 0.095 | 0.819 | 0.021 | 0.174 | 0.040 | 1189 | 89 | 0.012 | 0.275 | -1.670 | 2.517 | 0.560 |
| 550PT250-15 ² | 0.0158 | 50 | 0.166 | 0.56 | 0.829 | 2.235 | 0.105 | 0.795 | 0.021 | 0.337 | 0.055 | 1654 | 64 | 0.014 | 0.570 | -1.500 | 2.807 | 0.714 |
| 600PT250-15 ² | 0.0158 | 50 | 0.174 | 0.59 | 1.009 | 2.409 | 0.108 | 0.787 | 0.021 | 0.404 | 0.060 | 1809 | 59 | 0.014 | 0.697 | -1.452 | 2.921 | 0.753 |
| 162PT250-19 | 0.0200 | 50 | 0.132 | 0.45 | 0.078 | 0.768 | 0.090 | 0.823 | 0.031 | 0.037 | 0.023 | 698 | 421 | 0.018 | 0.048 | -2.055 | 2.343 | 0.231 |
| 250PT250-19 | 0.0200 | 50 | 0.150 | 0.51 | 0.190 | 1.125 | 0.103 | 0.830 | 0.032 | 0.099 | 0.037 | 1113 | 289 | 0.020 | 0.121 | -1.890 | 2.351 | 0.354 |
| 350PT250-19 | 0.0200 | 50 | 0.170 | 0.58 | 0.388 | 1.511 | 0.115 | 0.824 | 0.032 | 0.199 | 0.053 | 1589 | 206 | 0.023 | 0.257 | -1.735 | 2.444 | 0.496 |
| 362PT250-19 | 0.0200 | 50 | 0.172 | 0.59 | 0.419 | 1.558 | 0.117 | 0.822 | 0.032 | 0.213 | 0.055 | 1649 | 199 | 0.023 | 0.278 | -1.718 | 2.461 | 0.513 |
| 400PT250-19 | 0.0200 | 50 | 0.180 | 0.61 | 0.518 | 1.697 | 0.120 | 0.818 | 0.032 | 0.261 | 0.061 | 1829 | 180 | 0.024 | 0.348 | -1.668 | 2.517 | 0.561 |
| 550PT250-19 ² | 0.0200 | 50 | 0.210 | 0.71 | 1.050 | 2.236 | 0.133 | 0.795 | 0.033 | 0.505 | 0.085 | 2548 | 130 | 0.028 | 0.721 | -1.498 | 2.806 | 0.715 |
| 600PT250-19 ² | 0.0200 | 50 | 0.220 | 0.75 | 1.278 | 2.410 | 0.136 | 0.786 | 0.033 | 0.605 | 0.093 | 2788 | 119 | 0.029 | 0.881 | -1.450 | 2.920 | 0.754 |
| 162PT250-22 | 0.0232 | 50 | 0.154 | 0.52 | 0.091 | 0.769 | 0.104 | 0.823 | 0.041 | 0.045 | 0.031 | 921 | 566 | 0.028 | 0.055 | -2.053 | 2.342 | 0.231 |
| 250PT250-22 | 0.0232 | 50 | 0.174 | 0.59 | 0.221 | 1.126 | 0.120 | 0.829 | 0.042 | 0.122 | 0.049 | 1472 | 452 | 0.031 | 0.141 | -1.888 | 2.350 | 0.354 |
| 350PT250-22 | 0.0232 | 50 | 0.197 | 0.67 | 0.451 | 1.512 | 0.134 | 0.823 | 0.043 | 0.258 | 0.070 | 2102 | 321 | 0.035 | 0.298 | -1.733 | 2.443 | 0.497 |
| 362PT250-22 | 0.0232 | 50 | 0.200 | 0.68 | 0.487 | 1.560 | 0.135 | 0.822 | 0.043 | 0.277 | 0.073 | 2183 | 310 | 0.036 | 0.324 | -1.716 | 2.460 | 0.514 |
| 400PT250-22 | 0.0232 | 50 | 0.209 | 0.71 | 0.602 | 1.698 | 0.139 | 0.817 | 0.043 | 0.338 | 0.081 | 2418 | 281 | 0.037 | 0.404 | -1.666 | 2.516 | 0.561 |
| 550PT250-22 ¹ | 0.0232 | 50 | 0.244 | 0.83 | 1.218 | 2.237 | 0.154 | 0.794 | 0.043 | 0.651 | 0.113 | 3369 | 204 | 0.044 | 0.836 | -1.496 | 2.806 | 0.716 |
| 600PT250-22 ¹ | 0.0232 | 50 | 0.255 | 0.87 | 1.483 | 2.411 | 0.157 | 0.785 | 0.043 | 0.779 | 0.123 | 3687 | 186 | 0.046 | 1.022 | -1.448 | 2.920 | 0.754 |

¹ Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

² Web-depth to thickness ratio exceeds 260. Web stiffeners are required at all bearing and intermediate locations, and no web holes are permitted in non-composite conditions

Section Properties

Section Properties Table Notes

1. Section properties were determined in accordance with AISI S100-07, North American Specification for Design of Cold-Formed Steel Structural Members.
2. Effective properties incorporate the strength increase from the cold work of forming as applicable per AISI A7.2.
3. Tabulated gross properties including torsional properties are based on full-unreduced cross section of the tracks.
4. For deflection calculations, use the effective moment of inertia.
5. Allowable moment includes cold-work of forming.
6. Web depth for track sections is equal to the nominal height plus 2 times the design thickness plus the bend radius. Hems on non-structural rack sections are ignored.

Non-Structural (PT) ProTRAK® (3" Leg) Section Properties

| Section | Design Thickness (in) | F _y (ksi) | Gross Section Properties | | | | | | Effective Section Properties at F _y | | | | | Torsional Properties | | | | |
|--------------------------|-----------------------|----------------------|--------------------------|----------------|-----------------------------------|---------------------|-----------------------------------|---------------------|--|-----------------------------------|-----------------------------------|-------------------------|---------------------|---------------------------|-----------------------------------|---------------------|---------------------|-------|
| | | | Area (in ²) | Weight (lb/ft) | I _x (in ⁴) | R _x (in) | I _y (in ⁴) | R _y (in) | A _e (in ²) | I _x (in ⁴) | S _x (in ³) | M _a (in-lbs) | V _a (lb) | Jx1000 (in ⁴) | C _w (in ⁶) | X _o (in) | R _o (in) | β |
| 162PT300-15 | 0.0158 | 50 | 0.120 | 0.41 | 0.073 | 0.776 | 0.116 | 0.981 | 0.020 | 0.027 | 0.016 | 465 | 222 | 0.010 | 0.063 | -2.542 | 2.834 | 0.195 |
| 250PT300-15 | 0.0158 | 50 | 0.134 | 0.46 | 0.175 | 1.143 | 0.133 | 0.996 | 0.021 | 0.067 | 0.025 | 748 | 143 | 0.011 | 0.158 | -2.363 | 2.807 | 0.291 |
| 350PT300-15 ¹ | 0.0158 | 50 | 0.150 | 0.51 | 0.356 | 1.540 | 0.149 | 0.996 | 0.021 | 0.135 | 0.035 | 1051 | 101 | 0.012 | 0.334 | -2.191 | 2.858 | 0.412 |
| 362PT300-15 ¹ | 0.0158 | 50 | 0.152 | 0.52 | 0.384 | 1.589 | 0.151 | 0.995 | 0.021 | 0.145 | 0.036 | 1090 | 98 | 0.013 | 0.361 | -2.172 | 2.869 | 0.427 |
| 400PT300-15 ¹ | 0.0158 | 50 | 0.158 | 0.54 | 0.474 | 1.732 | 0.155 | 0.992 | 0.021 | 0.178 | 0.040 | 1204 | 89 | 0.013 | 0.450 | -2.116 | 2.909 | 0.471 |
| 550PT300-15 ² | 0.0158 | 50 | 0.182 | 0.62 | 0.951 | 2.287 | 0.172 | 0.973 | 0.021 | 0.338 | 0.056 | 1664 | 64 | 0.015 | 0.930 | -1.921 | 3.142 | 0.626 |
| 600PT300-15 ² | 0.0158 | 50 | 0.190 | 0.64 | 1.153 | 2.467 | 0.177 | 0.965 | 0.021 | 0.412 | 0.061 | 1818 | 59 | 0.016 | 1.136 | -1.865 | 3.239 | 0.669 |
| 162PT300-19 | 0.0200 | 50 | 0.152 | 0.52 | 0.092 | 0.778 | 0.147 | 0.981 | 0.031 | 0.049 | 0.022 | 727 | 421 | 0.020 | 0.080 | -2.540 | 2.831 | 0.195 |
| 250PT300-19 | 0.0200 | 50 | 0.170 | 0.58 | 0.223 | 1.144 | 0.168 | 0.995 | 0.032 | 0.102 | 0.037 | 1108 | 289 | 0.023 | 0.201 | -2.360 | 2.806 | 0.292 |
| 350PT300-19 | 0.0200 | 50 | 0.190 | 0.65 | 0.451 | 1.542 | 0.188 | 0.995 | 0.032 | 0.205 | 0.053 | 1587 | 206 | 0.025 | 0.423 | -2.189 | 2.856 | 0.413 |
| 362PT300-19 | 0.0200 | 50 | 0.192 | 0.65 | 0.487 | 1.590 | 0.190 | 0.994 | 0.032 | 0.221 | 0.055 | 1647 | 199 | 0.026 | 0.457 | -2.169 | 2.868 | 0.428 |
| 400PT300-19 | 0.0200 | 50 | 0.200 | 0.68 | 0.601 | 1.734 | 0.196 | 0.991 | 0.033 | 0.271 | 0.060 | 1790 | 180 | 0.027 | 0.570 | -2.113 | 2.908 | 0.472 |
| 550PT300-19 ² | 0.0200 | 50 | 0.230 | 0.78 | 1.204 | 2.289 | 0.217 | 0.972 | 0.033 | 0.576 | 0.086 | 2522 | 130 | 0.031 | 1.177 | -1.919 | 3.141 | 0.627 |
| 600PT300-19 ² | 0.0200 | 50 | 0.240 | 0.82 | 1.461 | 2.468 | 0.223 | 0.964 | 0.033 | 0.650 | 0.094 | 2727 | 119 | 0.032 | 1.438 | -1.863 | 3.239 | 0.669 |
| 162PT300-22 | 0.0232 | 50 | 0.177 | 0.60 | 0.107 | 0.779 | 0.170 | 0.980 | 0.041 | 0.048 | 0.030 | 912 | 566 | 0.032 | 0.093 | -2.538 | 2.830 | 0.196 |
| 250PT300-22 | 0.0232 | 50 | 0.197 | 0.67 | 0.259 | 1.145 | 0.195 | 0.994 | 0.042 | 0.131 | 0.049 | 1462 | 452 | 0.035 | 0.233 | -2.359 | 2.804 | 0.293 |
| 350PT300-22 | 0.0232 | 50 | 0.220 | 0.75 | 0.524 | 1.543 | 0.218 | 0.994 | 0.043 | 0.265 | 0.070 | 2095 | 321 | 0.040 | 0.490 | -2.187 | 2.855 | 0.413 |
| 362PT300-22 | 0.0232 | 50 | 0.223 | 0.76 | 0.566 | 1.592 | 0.220 | 0.994 | 0.043 | 0.286 | 0.073 | 2177 | 310 | 0.040 | 0.532 | -2.167 | 2.867 | 0.429 |
| 400PT300-22 | 0.0232 | 50 | 0.232 | 0.79 | 0.698 | 1.735 | 0.228 | 0.991 | 0.043 | 0.349 | 0.081 | 2414 | 281 | 0.042 | 0.662 | -2.112 | 2.907 | 0.472 |
| 550PT300-22 ¹ | 0.0232 | 50 | 0.267 | 0.91 | 1.398 | 2.290 | 0.252 | 0.972 | 0.043 | 0.674 | 0.113 | 3371 | 204 | 0.048 | 1.366 | -1.917 | 3.140 | 0.627 |
| 600PT300-22 ¹ | 0.0232 | 50 | 0.278 | 0.95 | 1.696 | 2.469 | 0.258 | 0.964 | 0.044 | 0.807 | 0.123 | 3691 | 186 | 0.050 | 1.667 | -1.861 | 3.238 | 0.670 |

¹ Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

² Web-depth to thickness ratio exceeds 260. Web stiffeners are required at all bearing and intermediate locations, and no web holes are permitted in non-composite conditions

Which limiting height table?

Composite Assemblies

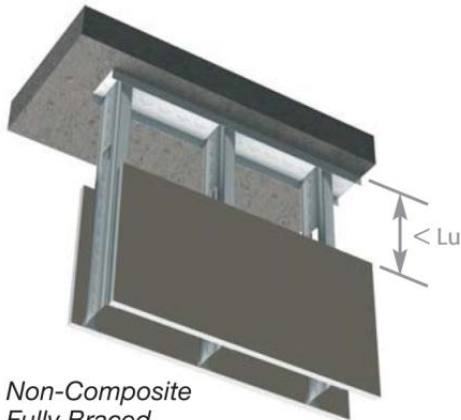
Composite limiting height data can be applied to walls where gypsum board is installed on both flanges of the stud for the full height of the wall. ProSTUD composite data is based on the 2009 International Building Code and was tested and analyzed in accordance with the most recent version of AC86 (2010).



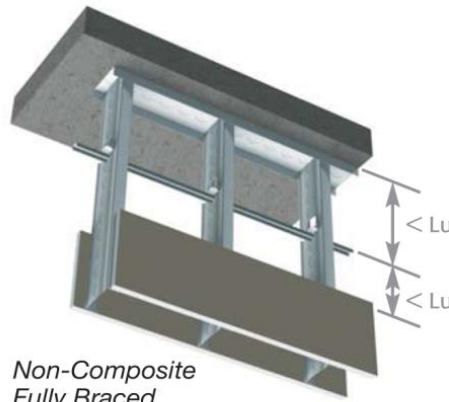
*Composite
Gypsum Board
full height on both sides*

Non-Composite Assemblies

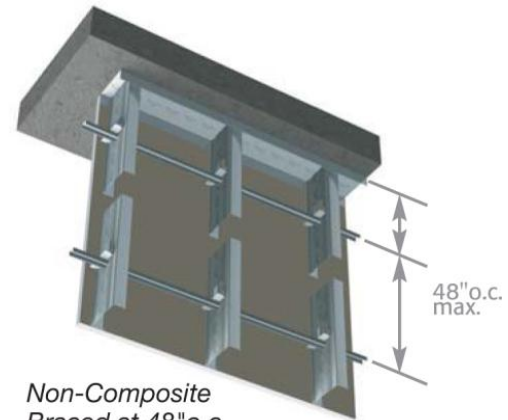
Non-Composite conditions are common in all structures. These assemblies occur when the gypsum board stops at the ceiling level, but the stud continues to the deck. The pictures below show some variations of braced non-composite walls.



*Non-Composite
Fully Braced
Unbraced length is less than Lu*



*Non-Composite
Fully Braced
Bracing spacing above gypsum
is less than Lu*



*Non-Composite
Braced at 48"o.c.*

Other Assemblies

For assemblies not listed above, the conditions may vary greatly depending on the building requirements. While the provided non-composite tables may be used conservatively, please consult an architecture before performing any work.

Limiting Wall Heights

Interior Non-Structural Composite Table Notes

1. Allowable composite limiting heights are calculated using ICC-ES AC86-2010. In accordance with current building codes and AISI design standards, the 1/3 Stress Increase for strength was not used.
2. The composite limiting heights provided in the tables are based on a single layer of Type X Gypsum Board from the following manufacturers: American, CertainTeed, Georgia Pacific, Lafarge, National, Temple Inland, and USG.
3. The gypsum board must be applied full height in the vertical orientation to each stud flange and installed in accordance with ASTM C754-2004 using minimum No. 6 Type S Drywall screws spaced a minimum of 12-in on-center to the framing members.
4. No fasteners are required for attaching the stud to the track except as detailed in ASTM C754-2004.
5. Stud end bearing must be a minimum of 1 inch.
6. Minimum material yield strength equals 65ksi for 19 mil studs.
7. 'f' adjacent to the height value indicates that flexural stress controls the allowable wall height.
8. 's' adjacent to the height value indicates that shear/end reaction controls the allowable wall height.

Interior Composite data with 1 layer 5/8" Type X Gypsum Board

| Section | Spacing o/c (in) | 5 psf | | | 7.5 psf | | | 10 psf | | |
|-------------|------------------|-----------|---------|---------|-----------|----------|---------|-----------|-----------|---------|
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 162PS125-15 | 12 | 14' 1" | 11' 7" | 10' 1" | 12' 3" | 10' 1" | 8' 7" | 11' 2" | 9' 1" | |
| 162PS125-15 | 16 | 12' 9" | 10' 6" | 9' 0" | 11' 2" | 9' 1" | | 10' 2" | 8' 1" | |
| 162PS125-15 | 24 | 11' 2" | 9' 1" | | 9' 9" | | | 8' 5" | | |
| 162PS125-19 | 12 | 14' 10" | 12' 11" | 11' 2" | 12' 11" | 11' 3" | 9' 9" | 11' 9" | 10' 3" | 8' 8" |
| 162PS125-19 | 16 | 13' 5" | 11' 8" | 10' 1" | 11' 9" | 10' 3" | 8' 8" | 10' 8" | 9' 2" | |
| 162PS125-19 | 24 | 11' 9" | 10' 3" | 8' 8" | 10' 3" | 8' 8" | | 9' 2" | | |
| 250PS125-15 | 12 | 17' 2" | 14' 8" | 13' 0" | 15' 0" | 12' 10" | 11' 4" | 13' 3" f | 11' 8" | 10' 4" |
| 250PS125-15 | 16 | 15' 7" | 13' 4" | 11' 9" | 13' 3" f | 11' 8" | 10' 4" | 11' 5" f | 10' 7" | 9' 1" |
| 250PS125-15 | 24 | 13' 3" f | 11' 8" | 10' 4" | 10' 10" f | 10' 2" | 8' 6" | 9' 4" f | 8' 11" | |
| 250PS125-19 | 12 | 18' 1" | 15' 9" | 14' 0" | 15' 9" | 13' 9" | 12' 3" | 14' 4" | 12' 6" | 11' 1" |
| 250PS125-19 | 16 | 16' 5" | 14' 4" | 12' 8" | 14' 4" | 12' 6" | 11' 1" | 13' 0" | 11' 4" | 10' 1" |
| 250PS125-19 | 24 | 14' 4" | 12' 6" | 11' 1" | 12' 6" f | 10' 11" | 9' 8" | 11' 5" | 9' 11" | 8' 7" |
| 350PS125-15 | 12 | 21' 4" f | 16' 11" | 15' 0" | 17' 5" f | 14' 9" | 13' 1" | 15' 1" f | 13' 5" | 11' 10" |
| 350PS125-15 | 16 | 18' 6" f | 15' 4" | 13' 7" | 15' 1" f | 13' 5" | 11' 10" | 13' 1" f | 12' 2" | 10' 8" |
| 350PS125-15 | 24 | 15' 1" f | 13' 5" | 11' 10" | 12' 4" f | 11' 8" | 10' 2" | 10' 8" f | 10' 5" | 9' 1" |
| 350PS125-19 | 12 | 22' 10" | 18' 1" | 15' 10" | 19' 11" | 15' 10" | 13' 10" | 18' 1" | 14' 4" | 12' 7" |
| 350PS125-19 | 16 | 20' 9" | 16' 5" | 14' 4" | 18' 1" | 14' 4" | 12' 7" | 16' 2" f | 13' 1" | 11' 4" |
| 350PS125-19 | 24 | 18' 1" | 14' 4" | 12' 7" | 15' 3" f | 12' 7" | 10' 11" | 13' 3" f | 11' 4" | 9' 10" |
| 362PS125-15 | 12 | 21' 6" | 17' 1" | 14' 11" | 18' 4" f | 14' 11" | 13' 0" | 15' 10" f | 13' 7" | 11' 10" |
| 362PS125-15 | 16 | 19' 5" f | 15' 6" | 13' 7" | 15' 10" f | 13' 7" | 11' 10" | 13' 9" f | 12' 4" | 10' 7" |
| 362PS125-15 | 24 | 15' 10" f | 13' 7" | 11' 10" | 12' 11" f | 11' 10" | 10' 1" | 11' 2" f | 10' 7" | 9' 0" |
| 362PS125-19 | 12 | 23' 3" | 18' 5" | 16' 1" | 20' 4" | 16' 1" | 14' 1" | 18' 5" | 14' 8" | 12' 10" |
| 362PS125-19 | 16 | 21' 1" | 16' 9" | 14' 8" | 18' 5" | 14' 8" | 12' 10" | 16' 7" f | 13' 4" | 11' 7" |
| 362PS125-19 | 24 | 18' 5" | 14' 8" | 12' 10" | 15' 8" f | 12' 10" | 11' 1" | 13' 7" f | 11' 7" | 9' 11" |
| 400PS125-15 | 12 | 22' 8" | 18' 0" | 15' 9" | 19' 1" f | 15' 9" | 13' 9" | 16' 6" f | 14' 4" | 12' 6" |
| 400PS125-15 | 16 | 20' 3" f | 16' 4" | 14' 4" | 16' 6" f | 14' 4" | 12' 6" | 14' 4" f | 13' 0" | 11' 3" |
| 400PS125-15 | 24 | 16' 6" f | 14' 4" | 12' 6" | 13' 6" f | 12' 6" | 10' 8" | 11' 8" f | 11' 3" | 9' 6" |
| 400PS125-19 | 12 | 24' 4" | 20' 2" | 17' 9" | 21' 3" | 17' 8" | 15' 6" | 19' 4" | 16' 0" | 14' 1" |
| 400PS125-19 | 16 | 22' 2" | 18' 4" | 16' 1" | 19' 4" | 16' 0" | 14' 1" | 17' 7" f | 14' 7" | 12' 9" |
| 400PS125-19 | 24 | 19' 4" | 16' 0" | 14' 1" | 16' 6" f | 14' 0" | 12' 4" | 14' 4" f | 12' 9" | 11' 0" |
| 550PS125-15 | 12 | 26' 11" f | 22' 9" | 20' 3" | 22' 0" f | 19' 11" | 17' 9" | 19' 0" f | 18' 1" | 16' 1" |
| 550PS125-15 | 16 | 23' 4" f | 20' 8" | 18' 5" | 19' 0" f | 18' 1" | 16' 1" | 16' 6" f | 16' 5" | 14' 7" |
| 550PS125-15 | 24 | 19' 0" f | 18' 1" | 16' 1" | 15' 7" f | 15' 7" f | 14' 1" | 13' 6" f | 13' 6" f | 12' 9" |
| 550PS125-19 | 12 | 31' 10" | 25' 4" | 22' 1" | 27' 10" f | 22' 1" | 19' 4" | 24' 3" f | 20' 1" | 17' 6" |
| 550PS125-19 | 16 | 28' 11" | 23' 0" | 20' 1" | 24' 3" f | 20' 1" | 17' 6" | 21' 0" f | 18' 3" | 15' 11" |
| 550PS125-19 | 24 | 24' 3" f | 20' 1" | 17' 6" | 19' 10" f | 17' 6" | 15' 3" | 17' 2" f | 15' 11" | 13' 9" |
| 600PS125-15 | 12 | 27' 10" f | 24' 2" | 21' 5" | 22' 9" f | 21' 1" | 18' 8" | 19' 8" f | 19' 2" | 17' 0" |
| 600PS125-15 | 16 | 24' 1" f | 21' 11" | 19' 5" | 19' 8" f | 19' 2" | 17' 0" | 17' 1" f | 17' 1" f | 15' 5" |
| 600PS125-15 | 24 | 19' 8" f | 19' 2" | 17' 0" | 16' 1" f | 16' 1" f | 14' 9" | 13' 11" f | 13' 11" f | 13' 4" |
| 600PS125-19 | 12 | 32' 0" | 26' 5" | 23' 2" | 28' 0" | 23' 1" | 20' 3" | 24' 9" f | 21' 0" | 18' 5" |
| 600PS125-19 | 16 | 29' 1" | 24' 0" | 21' 1" | 24' 9" f | 21' 0" | 18' 5" | 21' 5" f | 19' 1" | 16' 9" |
| 600PS125-19 | 24 | 24' 9" f | 21' 0" | 18' 5" | 20' 3" f | 18' 4" | 16' 1" | 17' 6" f | 16' 8" | 14' 4" |

Limiting Wall Heights

Interior Non-Structural Non-Composite Table Notes

1. Heights are based on 2007 North American Specification S100-07 using steel properties alone.
2. Limiting heights based on continuous support of each flange over the full length of the stud or discrete stud bracing spaced at a distance of Lu or less.
3. Heights not in parentheses are limited by moment, deflection, shear, and web crippling (assuming 1" end reaction bearing).
4. Heights in parentheses are limited by moment, deflection, and shear, and require end bearing stiffeners in order to achieve the indicated height.
5. Minimum material yield strength equals 50 ksi for 15-mil and 65 ksi for 19-mil studs.
6. “()” indicates that higher heights can be achieved by using end bearing stiffeners.

Interior Non-Composite data – Fully Braced

| Section | Spacing o/c (in) | Lateral Load (psf) | | | | | | | | |
|--------------------------|---------------------|--------------------|-----------------|----------------|------------------|-----------------|----------------|-----------------|-----------------|----------------|
| | | 5 PSF | | | 7.5 PSF | | | 10 PSF | | |
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 162PS125-15 | 12 | 9'-2" | 7'-4" | 6'-4" | 8'-0" | 6'-4" | 5'-7" | 6'-11" | 5'-9" | 5'-1" |
| 162PS125-15 | 16 | 8'-4" | 6'-8" | 5'-9" | 6'-11" | 5'-9" | 5'-1" | 6'-0" | 5'-3" | 4'-7" |
| 162PS125-15 | 24 | 6'-11" | 5'-9" | 5'-1" | 5'-8" | 5'-1" | 4'-5" | 4'-11" | 4'-7" | 4'-0" |
| 250PS125-15 | 12 | 12'-8" | 10'-2" | 8'-11" | 10'-4" | 8'-11" | 7'-9" | 8'-11" | 8'-1" | 7'-1" |
| 250PS125-15 | 16 | 10'-11" | 9'-3" | 8'-1" | 8'-11" | 8'-1" | 7'-1" | 7'-9" | 7'-4" | 6'-5" |
| 250PS125-15 | 24 | 8'-11" | 8'-1" | 7'-1" | 7'-4" | 7'-1" | 6'-2" | 6'-4" | 6'-4" | 5'-7" |
| 350PS125-15 ¹ | 12 | 14'-9" | 13'-3" | 11'-7" | 12'-0" | 11'-7" | 10'-1" | 10'-5" | 10'-5" | 9'-2" |
| 350PS125-15 ¹ | 16 | 12'-9" | 12'-0" | 10'-6" | 10'-5" | 10'-5" | 9'-2" | 8'-4" (9'-0") | 8'-4" (9'-0") | 8'-4" (8'-4") |
| 350PS125-15 ¹ | 24 | 10'-5" | 10'-5" | 9'-2" | 7'-5" (8'-6") | 7'-5" (8'-6") | 7'-5" (8'-0") | 5'-6" (7'-4") | 5'-6" (7'-4") | 5'-6" (7'-3") |
| 362PS125-15 ¹ | 12 | 15'-0" | 13'-7" | 11'-10" | 12'-3" | 11'-10" | 10'-4" | 10'-7" (10'-7") | 10'-7" (10'-7") | 9'-5" |
| 362PS125-15 ¹ | 16 | 13'-0" | 12'-4" | 10'-9" | 10'-7" (10'-7") | 10'-7" (10'-7") | 9'-5" | 7'-11" (9'-2") | 7'-11" (9'-2") | 7'-11" (8'-6") |
| 362PS125-15 ¹ | 24 | 10'-7" (10'-7") | 10'-7" (10'-7") | 9'-5" | 7'-1" (8'-8") | 7'-1" (8'-8") | 7'-1" (8'-3") | 5'-4" (7'-6") | 5'-4" (7'-6") | 5'-4" (7'-5") |
| 400PS125-15 ¹ | 12 | 15'-9" | 14'-6" | 12'-8" | 12'-6" (12'-11") | 12'-6" (12'-8") | 11'-1" | 9'-4" (11'-2") | 9'-4" (11'-2") | 9'-4" (10'-1") |
| 400PS125-15 ¹ | 16 | 13'-8" | 13'-2" | 11'-6" | 9'-4" (11'-2") | 9'-4" (11'-2") | 9'-4" (10'-1") | 7'-0" (9'-8") | 7'-0" (9'-8") | 7'-0" (9'-2") |
| 400PS125-15 ¹ | 24 | 9'-4" (11'-2") | 9'-4" (11'-2") | 9'-4" (10'-1") | 6'-3" (9'-1") | 6'-3" (9'-1") | 6'-3" (8'-9") | 4'-8" (7'-11") | 4'-8" (7'-11") | 4'-8" (7'-11") |
| 162PS125-19 | 12 | 9'-11" | 7'-10" | 6'-10" | 8'-8" | 6'-10" | 6'-0" | 7'-10" | 6'-3" | 5'-5" |
| 162PS125-19 | 16 | 9'-0" | 7'-2" | 6'-3" | 7'-10" | 6'-3" | 5'-5" | 7'-2" | 5'-8" | 4'-11" |
| 162PS125-19 | 24 | 7'-10" | 6'-3" | 5'-5" | 6'-10" | 5'-5" | 4'-9" | 6'-3" | 4'-11" | 4'-4" |
| 250PS125-19 | 12 | 14'-0" | 11'-1" | 9'-8" | 12'-3" | 9'-8" | 8'-6" | 11'-1" | 8'-10" | 7'-8" |
| 250PS125-19 | 16 | 12'-8" | 10'-1" | 8'-10" | 11'-1" | 8'-10" | 7'-8" | 10'-1" | 8'-0" | 7'-0" |
| 250PS125-19 | 24 | 11'-1" | 8'-10" | 7'-8" | 9'-8" | 7'-8" | 6'-9" | 8'-5" | 7'-0" | 6'-1" |
| 350PS125-19 | 12 | 18'-3" | 14'-6" | 12'-8" | 16'-0" | 12'-8" | 11'-1" | 14'-1" | 11'-6" | 10'-1" |
| 350PS125-19 | 16 | 16'-7" | 13'-2" | 11'-6" | 14'-1" | 11'-6" | 10'-1" | 12'-3" | 10'-6" | 9'-2" |
| 350PS125-19 | 24 | 14'-1" | 11'-6" | 10'-1" | 11'-6" | 10'-1" | 8'-10" | 10'-0" | 9'-2" | 8'-0" |
| 362PS125-19 | 12 | 18'-10" | 14'-11" | 13'-0" | 16'-5" | 13'-0" | 11'-5" | 14'-5" | 11'-10" | 10'-4" |
| 362PS125-19 | 16 | 17'-1" | 13'-7" | 11'-10" | 14'-5" | 11'-10" | 10'-4" | 12'-5" | 10'-9" | 9'-5" |
| 362PS125-19 | 24 | 14'-5" | 11'-10" | 10'-4" | 11'-9" | 10'-4" | 9'-0" | 10'-2" | 9'-5" | 8'-3" |
| 400PS125-19 | 12 | 20'-3" | 16'-1" | 14'-0" | 17'-8" | 14'-0" | 12'-3" | 15'-4" | 12'-9" | 11'-2" |
| 400PS125-19 | 16 | 18'-5" | 14'-7" | 12'-9" | 15'-4" | 12'-9" | 11'-2" | 13'-4" | 11'-7" | 10'-1" |
| 400PS125-19 | 24 | 15'-4" | 12'-9" | 11'-2" | 12'-6" | 11'-2" | 9'-9" | 10'-10" | 10'-1" | 8'-10" |

¹ Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.

Limiting Wall Heights

Interior Non-Structural Non-Composite Table Notes

1. Heights are based on 2007 North American Specification S100-07 using steel properties alone.
2. Allowable moment capacities are based on discrete stud bracing at 4-ft on-center.
3. Heights not in parentheses are limited by moment, deflection, shear, and web crippling (assuming 1" end reaction bearing).
4. Heights in parentheses are limited by moment, deflection, and shear, and require end bearing stiffeners in order to achieve the indicated height.
5. Minimum material yield strength equals 50 ksi for 15-mil and 65 ksi for 19-mil studs.
6. “()” indicates that higher heights can be achieved by using end bearing stiffeners.

Interior Non-Composite data – Braced at 48" O.C.

| Section | Spacing o/c (in) | Lateral Load (psf) | | | | | | | | |
|--------------------------|---------------------|--------------------|---------|---------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | 5 PSF | | | 7.5 PSF | | | 10 PSF | | |
| | | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 | L/120 | L/240 | L/360 |
| 162PS125-15 | 12 | 8'-1" | 7'-4" | 6'-4" | 6'-7" | 6'-4" | 5'-7" | 5'-9" | 5'-9" | 5'-1" |
| 162PS125-15 | 16 | 7'-0" | 6'-8" | 5'-9" | 5'-9" | 5'-9" | 5'-1" | 4'-11" | 4'-11" | 4'-7" |
| 162PS125-15 | 24 | 5'-9" | 5'-9" | 5'-1" | 4'-8" | 4'-8" | 4'-5" | 4'-0" | 4'-0" | 4'-0" |
| 250PS125-15 | 12 | 10'-5" | 10'-2" | 8'-11" | 8'-6" | 8'-6" | 7'-9" | 7'-4" | 7'-4" | 7'-1" |
| 250PS125-15 | 16 | 9'-0" | 9'-0" | 8'-1" | 7'-4" | 7'-4" | 7'-1" | 6'-5" | 6'-5" | 6'-5" |
| 250PS125-15 | 24 | 7'-4" | 7'-4" | 7'-1" | 6'-0" | 6'-0" | 6'-0" | 5'-3" | 5'-3" | 5'-3" |
| 350PS125-15 ¹ | 12 | 12'-2" | 12'-2" | 11'-7" | 9'-11" | 9'-11" | 9'-11" | 8'-7" | 8'-7" | 8'-7" |
| 350PS125-15 ¹ | 16 | 10'-6" | 10'-6" | 10'-6" | 8'-7" | 8'-7" | 8'-7" | 7'-5" | 7'-5" | 7'-5" |
| 350PS125-15 ¹ | 24 | 8'-7" | 8'-7" | 8'-7" | 7'-0" | 7'-0" | 7'-0" | 5'-6" (6'-1") | 5'-6" (6'-1") | 5'-6" (6'-1") |
| 362PS125-15 ¹ | 12 | 12'-5" | 12'-5" | 11'-10" | 10'-1" | 10'-1" | 10'-1" | 8'-9" | 8'-9" | 8'-9" |
| 362PS125-15 ¹ | 16 | 10'-9" | 10'-9" | 10'-9" | 8'-9" | 8'-9" | 8'-9" | 7'-7" | 7'-7" | 7'-7" |
| 362PS125-15 ¹ | 24 | 8'-9" | 8'-9" | 8'-9" | 7'-1" (7'-2") | 7'-1" (7'-2") | 7'-1" (7'-2") | 5'-4" (6'-2") | 5'-4" (6'-2") | 5'-4" (6'-2") |
| 400PS125-15 ¹ | 12 | 13'-0" | 13'-0" | 12'-8" | 10'-8" | 10'-8" | 10'-8" | 9'-2" | 9'-2" | 9'-2" |
| 400PS125-15 ¹ | 16 | 11'-3" | 11'-3" | 11'-3" | 9'-2" | 9'-2" | 9'-2" | 7'-0" (8'-0") | 7'-0" (8'-0") | 7'-0" (8'-0") |
| 400PS125-15 ¹ | 24 | 9'-2" | 9'-2" | 9'-2" | 6'-3" (7'-6") | 6'-3" (7'-6") | 6'-3" (7'-6") | 4'-8" (6'-6") | 4'-8" (6'-6") | 4'-8" (6'-6") |
| 162PS125-19 | 12 | 9'-11" | 7'-10" | 6'-10" | 8'-6" | 6'-10" | 6'-0" | 7'-4" | 6'-3" | 5'-5" |
| 162PS125-19 | 16 | 9'-0" | 7'-2" | 6'-3" | 7'-4" | 6'-3" | 5'-5" | 6'-4" | 5'-8" | 4'-11" |
| 162PS125-19 | 24 | 7'-4" | 6'-3" | 5'-5" | 6'-0" | 5'-5" | 4'-9" | 5'-2" | 4'-11" | 4'-4" |
| 250PS125-19 | 12 | 13'-10" | 11'-1" | 9'-8" | 11'-4" | 9'-8" | 8'-6" | 9'-9" | 8'-10" | 7'-8" |
| 250PS125-19 | 16 | 12'-0" | 10'-1" | 8'-10" | 9'-9" | 8'-10" | 7'-8" | 8'-6" | 8'-0" | 7'-0" |
| 250PS125-19 | 24 | 9'-9" | 8'-10" | 7'-8" | 8'-0" | 7'-8" | 6'-9" | 6'-11" | 6'-11" | 6'-1" |
| 350PS125-19 | 12 | 16'-6" | 14'-6" | 12'-8" | 13'-5" | 12'-8" | 11'-1" | 11'-8" | 11'-6" | 10'-1" |
| 350PS125-19 | 16 | 14'-3" | 13'-2" | 11'-6" | 11'-8" | 11'-6" | 10'-1" | 10'-1" | 10'-1" | 9'-2" |
| 350PS125-19 | 24 | 11'-8" | 11'-6" | 10'-1" | 9'-6" | 9'-6" | 8'-10" | 8'-3" | 8'-3" | 8'-0" |
| 362PS125-19 | 12 | 16'-9" | 14'-11" | 13'-0" | 13'-8" | 13'-0" | 11'-5" | 11'-10" | 11'-10" | 10'-4" |
| 362PS125-19 | 16 | 14'-6" | 13'-7" | 11'-10" | 11'-10" | 11'-10" | 10'-4" | 10'-3" | 10'-3" | 9'-5" |
| 362PS125-19 | 24 | 11'-10" | 11'-10" | 10'-4" | 9'-8" | 9'-8" | 9'-0" | 8'-5" | 8'-5" | 8'-3" |
| 400PS125-19 | 12 | 17'-11" | 16'-1" | 14'-0" | 14'-7" | 14'-0" | 12'-3" | 12'-8" | 12'-8" | 11'-2" |
| 400PS125-19 | 16 | 15'-6" | 14'-7" | 12'-9" | 12'-8" | 12'-8" | 11'-2" | 11'-0" | 11'-0" | 10'-1" |
| 400PS125-19 | 24 | 12'-8" | 12'-8" | 11'-2" | 10'-4" | 10'-4" | 9'-9" | 8'-11" | 8'-11" | 8'-10" |

¹ Web-height to thickness ratio exceeds 200. Web Stiffeners are required at all support points and concentrated loads.