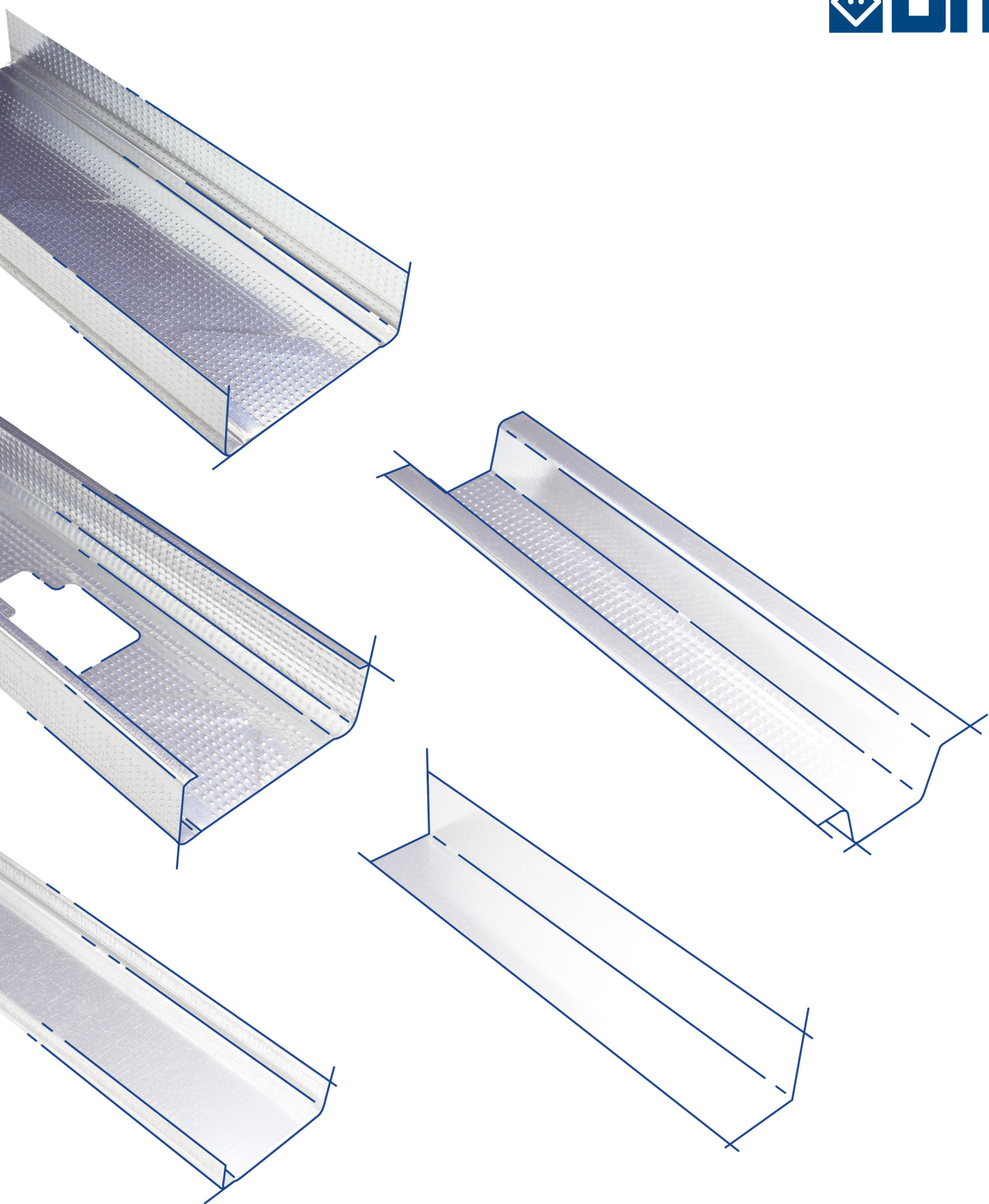
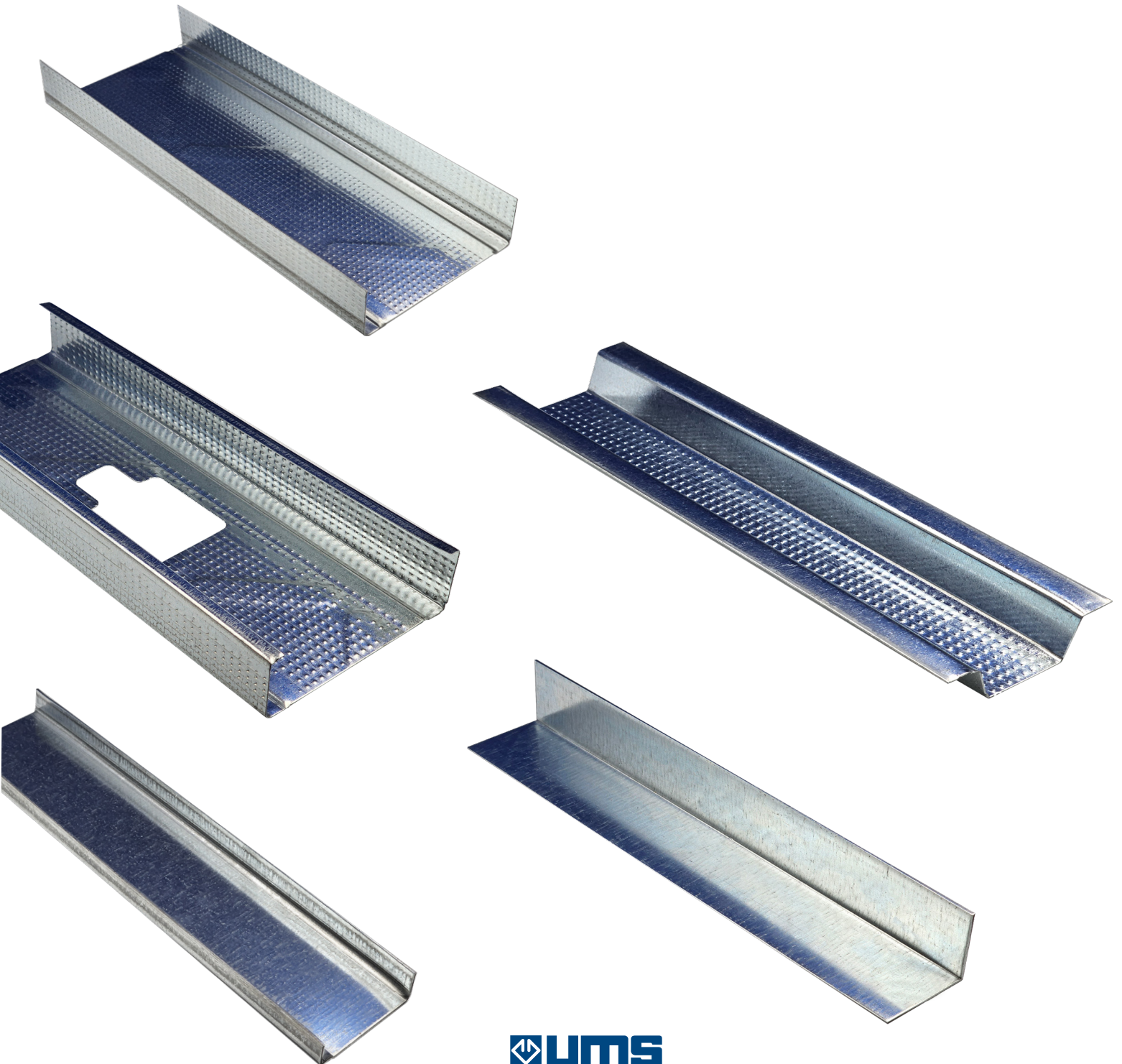






## ***Cold-Formed Non-Structural Steel Members***





# ABOUT US

UMS is a trusted manufacturer of **structural cold-formed steel (CFS) framing** and **non-structural drywall systems** built for speed, precision, and durability. Our advanced roll-forming lines produce high-quality studs, tracks, and ceiling components for both commercial and residential applications.

We partner with general contractors, drywall installers, and framing crews to keep projects on schedule and within budget – without compromising on quality. Whether you are building load-bearing steel structures or interior partitions, UMS delivers framing you can rely on.

Certified, Precise, On time.  
**That's the UMS promise.**





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# GENERAL PRODUCT TYPE INFORMATION

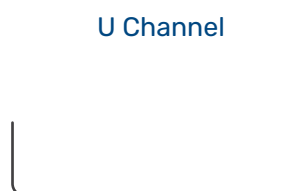
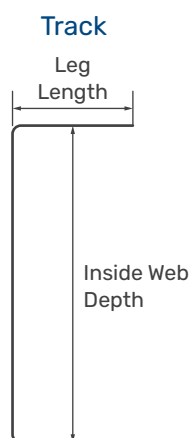
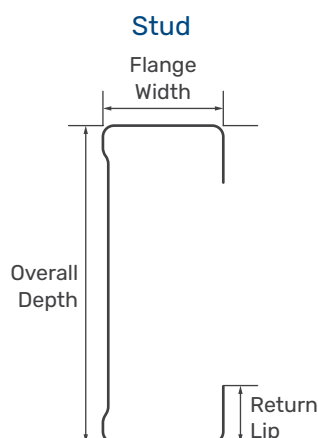
The section designator defines the cold-formed steel framing member dimensions.

| 362        | S             | 125          | 18                 |
|------------|---------------|--------------|--------------------|
| Web Depth  | Product Style | Flange Width | Material Thickness |
| 362=3.625" | S: Stud       | 125=1.25"    | 18 Mils            |
|            | T: Track      |              |                    |
|            | F: Furring    |              |                    |
|            | L: Long Angle |              |                    |
|            | U: U Channel  |              |                    |

Minimum base steel thickness is 95 % of Design Thickness.

UMS Metal nonstructural framing products have a G40 coating or a minimum standard coating that complies with the requirements of IBC 2021 and ASTM A1003/ A1003M. G60 and G90 coatings are available upon request.

## General Product Information





# CODE REFERENCES

The analysis performed and tables included satisfy the methods and requirements of the following:

- **AISI S100-2016** *North American Specification for Design of Cold Formed Steel Structural Members*
- **ASTM C645-18** *Standard Specification for Nonstructural Steel Framing Members.*
- **AISI S220-20** *North American Standard for Cold-Formed Steel Framing- Nonstructural Members*

UMS Metal nonstructural framing building products are manufactured to meet or exceed all applicable standards including:

- **ASTM A1003** *Standard Specification for Steel Sheet, Carbon, Metallic and Nonmetallic Coated for Cold Formed Framing Members.*
- **ASTM A653** *Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.*
- **ASTM C754** *Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products.*

## Section Properties Tables – General Notes

1. Calculated properties are based on AISI S100-16, North American Specification for Design of Cold-Formed Steel Structural Members
2. The centerline bend radius is based on the inside corner radius shown in the thickness chart.
3. For deflection calculation use of the effective Moment of Inertia shall be used.
4. Allowable moments include cold work of forming per Section A7.2 of AISI S100-16.
5. Example: 162S125-18  
162 designates the member web depth in 100ths of an inch, 162 = 1.61 in.  
S designates the type of member. Types include:
  1. S: Stud
  2. T: Track
  3. F: Furring Channel
  4. U: U Channel
  5. L: Angle
6. 125 designates the member flange width in 100ths of an inch. For studs, 125 = 1.25 in.
7. 18 designates the steel thickness in mils (1/1000 inch.). 0.018 in. = 18 mil.
8. Minimum thickness represent 95% of the design thickness. This is the minimum acceptable thickness delivered to the jobsite based on section A2.4 of the AISI S100-16.
9. Allowable moment is taken as the lowest value based on local or distortional buckling. For distortional buckling,  $K_{\phi} = 0$  and  $B = 1.0$
10. Where noted, member height-to-thickness exceeds 200, web stiffeners required at supports.



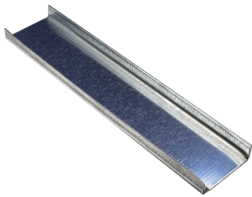
## UMS METAL FURRING CHANNEL



furring  
channel

| Section Designation | Design Thickness (in) | Minimum Base Steel Thickness (in) | Fy (ksi) | Weight (lb/ft) | Gross Properties        | Effective Properties               |               |
|---------------------|-----------------------|-----------------------------------|----------|----------------|-------------------------|------------------------------------|---------------|
|                     |                       |                                   |          |                | Area (in <sup>2</sup> ) | I <sub>xe</sub> (in <sup>4</sup> ) | Moment (in-k) |
| 087F125-18          | 0.0188                | 0.0179                            | 33       | 0.252          | 0.074                   | 0.006                              | 0.375         |
| 087F125-30          | 0.0312                | 0.0296                            | 33       | 0.416          | 0.119                   | 0.014                              | 0.630         |
| 087F125-33          | 0.0346                | 0.0329                            | 33       | 0.463          | 0.133                   | 0.017                              | 0.776         |
| 087F125-43          | 0.0452                | 0.0429                            | 33       | 0.603          | 0.172                   | 0.022                              | 1.008         |
| 087F125-54          | 0.0566                | 0.0538                            | 33       | 0.756          | 0.215                   | 0.025                              | 1.202         |

## UMS METAL U CHANNEL

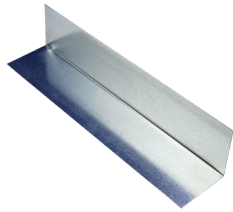


U channel

| Section Designation | Design Thickness (in) | Minimum Base Steel Thickness (in) | Fy (ksi) | Weight (lb/ft) | Gross Properties        | Effective Properties               |               |
|---------------------|-----------------------|-----------------------------------|----------|----------------|-------------------------|------------------------------------|---------------|
|                     |                       |                                   |          |                | Area (in <sup>2</sup> ) | I <sub>xe</sub> (in <sup>4</sup> ) | Moment (in-k) |
| 075U075-54          | 0.0566                | 0.0538                            | 33       | 0.285          | 0.089                   | 0.0070                             | 0.4615        |
| 150U150-54          | 0.0566                | 0.0538                            | 33       | 0.422          | 0.132                   | 0.040                              | 1.222         |
| 200U200-54          | 0.0566                | 0.0538                            | 33       | 0.516          | 0.160                   | 0.082                              | 1.511         |



## UMS METAL LONG ANGLE

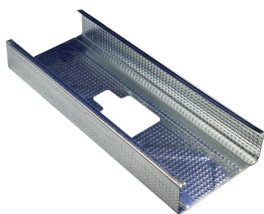


long  
angle

| Section Designation | Equal Leg Depth (in) | Design Thickness (in) | Minimum Base Steel Thickness (in) | Fy (ksi) | Weight (lb/ft) | Gross Properties        |                                    | Effective Properties |  |
|---------------------|----------------------|-----------------------|-----------------------------------|----------|----------------|-------------------------|------------------------------------|----------------------|--|
|                     |                      |                       |                                   |          |                | Area (in <sup>2</sup> ) | I <sub>xx</sub> (in <sup>4</sup> ) | Moment (in-k)        |  |
| 075L075-18          | 0.75                 | 0.0188                | 0.0179                            | 33       | 0.089          | 0.028                   | 0.00002                            | 0.026                |  |
| 075L075-30          | 0.75                 | 0.0312                | 0.0296                            | 33       | 0.145          | 0.045                   | 0.0002                             | 0.079                |  |
| 075L075-33          | 0.75                 | 0.0346                | 0.0329                            | 33       | 0.160          | 0.05                    | 0.0003                             | 0.098                |  |
| 075L075-43          | 0.75                 | 0.0452                | 0.0429                            | 33       | 0.205          | 0.065                   | 0.0009                             | 0.131                |  |
| 075L075-54          | 0.75                 | 0.0566                | 0.0538                            | 33       | 0.254          | 0.08                    | 0.0020                             | 0.161                |  |
| 100L100-18          | 1.00                 | 0.0188                | 0.0179                            | 33       | 0.118          | 0.037                   | 0.00004                            | 0.030                |  |
| 100L100-30          | 1.00                 | 0.0312                | 0.0296                            | 33       | 0.192          | 0.061                   | 0.0004                             | 0.100                |  |
| 100L100-33          | 1.00                 | 0.0346                | 0.0329                            | 33       | 0.213          | 0.067                   | 0.0006                             | 0.128                |  |
| 100L100-43          | 1.00                 | 0.0452                | 0.0429                            | 33       | 0.274          | 0.087                   | 0.0020                             | 0.223                |  |
| 100L100-54          | 1.00                 | 0.0566                | 0.0538                            | 33       | 0.341          | 0.108                   | 0.0050                             | 0.293                |  |
| 150L150-18          | 1.50                 | 0.0188                | 0.0179                            | 33       | 0.180          | 0.056                   | 0.0001                             | 0.028                |  |
| 150L150-30          | 1.50                 | 0.0312                | 0.0296                            | 33       | 0.295          | 0.092                   | 0.0012                             | 0.126                |  |
| 150L150-33          | 1.50                 | 0.0346                | 0.0329                            | 33       | 0.328          | 0.102                   | 0.0020                             | 0.166                |  |
| 150L150-43          | 1.50                 | 0.0452                | 0.0429                            | 33       | 0.423          | 0.132                   | 0.0066                             | 0.316                |  |
| 150L150-54          | 1.50                 | 0.0566                | 0.0538                            | 33       | 0.528          | 0.164                   | 0.0163                             | 0.523                |  |
| 200L200-18          | 2.00                 | 0.0188                | 0.0179                            | 33       | 0.242          | 0.075                   | 0.0003                             | 0.031                |  |
| 200L200-30          | 2.00                 | 0.0312                | 0.0296                            | 33       | 0.399          | 0.123                   | 0.0029                             | 0.119                |  |
| 200L200-33          | 2.00                 | 0.0346                | 0.0329                            | 33       | 0.442          | 0.137                   | 0.0047                             | 0.189                |  |
| 200L200-43          | 2.00                 | 0.0452                | 0.0429                            | 33       | 0.572          | 0.178                   | 0.0155                             | 0.374                |  |
| 200L200-54          | 2.00                 | 0.0566                | 0.0538                            | 33       | 0.716          | 0.222                   | 0.0365                             | 0.646                |  |



## UMS METAL DRYWALL STUD

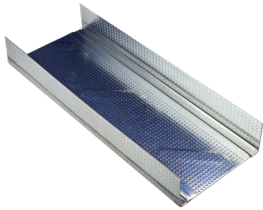


drywall  
stud

| Section Designation | Stud Depth<br>(in) | Design<br>Thickness (in) | Minimum Base<br>Steel Thickness<br>(in) | Fy<br>(ksi) | Weight<br>(lb/ft) | Gross Properties           | Effective Properties                  |                  |
|---------------------|--------------------|--------------------------|-----------------------------------------|-------------|-------------------|----------------------------|---------------------------------------|------------------|
|                     |                    |                          |                                         |             |                   | Area<br>(in <sup>2</sup> ) | I <sub>xe</sub><br>(in <sup>4</sup> ) | Moment<br>(in-k) |
| 162S125-18          | 1.625              | 0.0188                   | 0.0179                                  | 33          | 0.267             | 0.081                      | 0.034                                 | 0.67             |
| 162S125-30          | 1.625              | 0.0312                   | 0.0296                                  | 33          | 0.432             | 0.132                      | 0.060                                 | 1.19             |
| 162S125-33          | 1.625              | 0.0346                   | 0.0329                                  | 33          | 0.477             | 0.145                      | 0.066                                 | 1.37             |
| 250S125-18          | 2.500              | 0.0188                   | 0.0179                                  | 33          | 0.322             | 0.097                      | 0.091                                 | 1.03             |
| 250S125-30          | 2.500              | 0.0312                   | 0.0296                                  | 33          | 0.524             | 0.159                      | 0.159                                 | 2.09             |
| 250S125-33          | 2.500              | 0.0346                   | 0.0329                                  | 33          | 0.578             | 0.176                      | 0.175                                 | 2.4              |
| 350S125-18          | 3.500              | 0.0188                   | 0.0179                                  | 33          | 0.382             | 0.115                      | 0.203                                 | 1.42             |
| 350S125-30          | 3.500              | 0.0312                   | 0.0296                                  | 33          | 0.623             | 0.190                      | 0.346                                 | 2.96             |
| 350S125-33          | 3.500              | 0.0346                   | 0.0329                                  | 33          | 0.689             | 0.210                      | 0.382                                 | 3.45             |
| 362S125-18          | 3.625              | 0.0188                   | 0.0179                                  | 33          | 0.389             | 0.118                      | 0.221                                 | 1.48             |
| 362S125-30          | 3.625              | 0.0312                   | 0.0296                                  | 33          | 0.635             | 0.194                      | 0.376                                 | 3.08             |
| 362S125-33          | 3.625              | 0.0346                   | 0.0329                                  | 33          | 0.702             | 0.215                      | 0.415                                 | 3.59             |
| 400S125-18          | 4.000              | 0.0188                   | 0.0179                                  | 33          | 0.413             | 0.125                      | 0.281                                 | 1.64             |
| 400S125-30          | 4.000              | 0.0312                   | 0.0296                                  | 33          | 0.674             | 0.206                      | 0.474                                 | 3.44             |
| 400S125-33          | 4.000              | 0.0346                   | 0.0329                                  | 33          | 0.746             | 0.228                      | 0.524                                 | 4.01             |
| 600S125-30          | 6.000              | 0.0312                   | 0.0296                                  | 33          | 0.873             | 0.268                      | 1.223                                 | 5.39             |
| 600S125-33          | 6.000              | 0.0346                   | 0.0329                                  | 33          | 0.966             | 0.297                      | 1.378                                 | 6.32             |



## UMS METAL DRYWALL TRACK

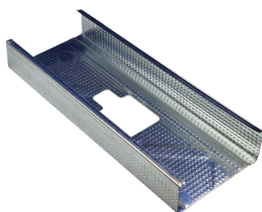


drywall  
track

| Section Designation | Track Depth (in) | Design Thickness (in) | Minimum Base Steel Thickness (in) | Fy (ksi) | Weight (lb/ft) | Gross Properties        | Effective Properties               |               |
|---------------------|------------------|-----------------------|-----------------------------------|----------|----------------|-------------------------|------------------------------------|---------------|
|                     |                  |                       |                                   |          |                | Area (in <sup>2</sup> ) | I <sub>xx</sub> (in <sup>4</sup> ) | Moment (in-k) |
| 162T125-18          | 1.625            | 0.0188                | 0.0179                            | 33       | 0.252          | 0.078                   | 0.019                              | 0.37          |
| 162T125-30          | 1.625            | 0.0312                | 0.0296                            | 33       | 0.415          | 0.128                   | 0.044                              | 0.93          |
| 162T125-33          | 1.625            | 0.0346                | 0.0329                            | 33       | 0.460          | 0.142                   | 0.054                              | 1.08          |
| 250T125-18          | 2.500            | 0.0188                | 0.0179                            | 33       | 0.307          | 0.094                   | 0.060                              | 0.70          |
| 250T125-30          | 2.500            | 0.0312                | 0.0296                            | 33       | 0.506          | 0.155                   | 0.133                              | 1.68          |
| 250T125-33          | 2.500            | 0.0346                | 0.0329                            | 33       | 0.561          | 0.172                   | 0.156                              | 1.96          |
| 350T125-18          | 3.500            | 0.0188                | 0.0179                            | 33       | 0.367          | 0.113                   | 0.148                              | 1.07          |
| 350T125-30          | 3.500            | 0.0312                | 0.0296                            | 33       | 0.605          | 0.186                   | 0.311                              | 2.75          |
| 350T125-33          | 3.500            | 0.0346                | 0.0329                            | 33       | 0.671          | 0.207                   | 0.396                              | 3.33          |
| 362T125-18          | 3.625            | 0.0188                | 0.0179                            | 33       | 0.374          | 0.116                   | 0.162                              | 1.12          |
| 362T125-30          | 3.625            | 0.0312                | 0.0296                            | 33       | 0.617          | 0.19                    | 0.340                              | 2.89          |
| 362T125-33          | 3.625            | 0.0346                | 0.0329                            | 33       | 0.684          | 0.211                   | 0.396                              | 3.33          |
| 400T125-18          | 4.000            | 0.0188                | 0.0179                            | 33       | 0.398          | 0.123                   | 0.220                              | 1.51          |
| 400T125-30          | 4.000            | 0.0312                | 0.0296                            | 33       | 0.656          | 0.201                   | 0.438                              | 3.30          |
| 400T125-33          | 4.000            | 0.0346                | 0.0329                            | 33       | 0.728          | 0.224                   | 0.507                              | 3.86          |
| 600T125-30          | 6.000            | 0.0312                | 0.0296                            | 33       | 0.855          | 0.263                   | 1.236                              | 5.45          |
| 600T125-33          | 6.000            | 0.0346                | 0.0329                            | 33       | 0.948          | 0.294                   | 1.402                              | 6.45          |



## UMS POWER STUD 20 EQ



power  
stud  
20EQ

Non Structural (20 EQ) Stud Section Properties - 18 Mil (0.0190)

| Member                    | Design Thickness (in) | Gross Properties     |            |                |                      |                      |                     |                      |                     | Effective Properties  |                       |                       |                        |                       |                         |              | Torsional Properties |                     |        |                     |       |                     |  |
|---------------------------|-----------------------|----------------------|------------|----------------|----------------------|----------------------|---------------------|----------------------|---------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------------------|--------------|----------------------|---------------------|--------|---------------------|-------|---------------------|--|
|                           |                       | F <sub>y</sub> (ksi) | Area (in²) | Weight (lb/ft) | I <sub>x</sub> (in4) | S <sub>x</sub> (in³) | R <sub>x</sub> (in) | I <sub>y</sub> (in⁴) | R <sub>y</sub> (in) | I <sub>xo</sub> (in⁴) | S <sub>xo</sub> (in³) | M <sub>a</sub> (in-k) | M <sub>ad</sub> (in-k) | V <sub>l,g</sub> (lb) | V <sub>a,net</sub> (lb) | J,1000 (in⁴) | C <sub>w</sub> (in⁶) | X <sub>0</sub> (in) | m (in) | R <sub>0</sub> (in) | β     | L <sub>u</sub> (in) |  |
| 162 S<br>125-18<br>(20EQ) | 0.0190                | 70                   | 0.082      | 0.276          | 0.038                | 0.053                | 0.686               | 0.016                | 0.443               | 0.034                 | 0.039                 | 0.864                 | 0.69                   | 264                   | 150                     | 0.0098       | 0.008                | 1.0900              | 0.628  | 1.40                | 0.393 | 24.8                |  |
| 250 S<br>125-18<br>(20EQ) | 0.0190                | 70                   | 0.098      | 0.336          | 0.101                | 0.081                | 1.01                | 0.018                | 0.432               | 0.100                 | 0.079                 | 1.89                  | 1.690                  | 290                   | 286                     | 0.0120       | 0.022                | 0.8686              | 0.578  | 1.40                | 0.615 | 24.5                |  |
| 350 S<br>125-18<br>(20EQ) | 0.0190                | 70                   | 0.117      | 0.396          | 0.219                | 0.125                | 1.37                | 0.020                | 0.416               | 0.219                 | 0.125                 | 2.80                  | 2.54                   | 373                   | 373                     | 0.0140       | 0.047                | 0.7614              | 0.507  | 1.62                | 0.779 | 24.6                |  |
| 362 S<br>125-18<br>(20EQ) | 0.0190                | 70                   | 0.120      | 0.408          | 0.238                | 0.131                | 1.41                | 0.020                | 0.413               | 0.238                 | 0.131                 | 2.92                  | 2.63                   | 418                   | 418                     | 0.0140       | 0.050                | 0.7500              | 0.500  | 1.65                | 0.793 | 24.3                |  |
| 400 S<br>125-18<br>(20EQ) | 0.0190                | 70                   | 0.127      | 0.432          | 0.300                | 0.150                | 1.54                | 0.021                | 0.407               | 0.300                 | 0.150                 | 3.27                  | 2.88                   | 402                   | 402                     | 0.0154       | 0.063                | 0.7190              | 0.483  | 1.96                | 0.865 | 24.2                |  |
| 600 S<br>125-18<br>(20EQ) | 0.0190                | 70                   | 0.164      | 0.552          | 0.783                | 0.261                | 2.18                | 0.021                | 0.369               | 0.783                 | 0.262                 | 4.42                  | 4.08                   | 409                   | 409                     | 0.0200       | 0.189                | 0.6084              | 0.417  | 2.36                | 0.934 | 23.6                |  |



## Interior Non-Structural Non-Composite Limiting Heights - Fully Braced

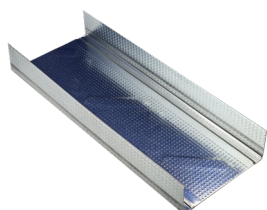
| Wind Load   |                   |                      |        |                    | 5 |        |                    |   |        |                    |   |        |                    |   | 7.5    |                    |   |        |                    |   |        |                    |   |        | 10                 |   |        |                    |   |       |                    |  |       |                    |  |       |                    |  |  |
|-------------|-------------------|----------------------|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|-------|--------------------|--|-------|--------------------|--|-------|--------------------|--|--|
| Stud Member | Spacing (in) o.c. | F <sub>v</sub> (ksi) | L/120  | Height (Feet-inch) |   | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120  | Height (Feet-inch) |   | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120  | Height (Feet-inch) |   | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120 | Height (Feet-inch) |  | L/240 | Height (Feet-inch) |  | L/360 | Height (Feet-inch) |  |  |
| 162 S       | 12                | 70                   | 114.84 | 9' 6"              | D | 91.15  | 7' 7"              | D | 79.62  | 6' 7"              | D | 100.32 | 8' 4"              | D | 79.62  | 6' 7"              | D | 69.56  | 5' 9"              | D | 91.15  | 7' 7"              | D | 91.15  | 6' 0"              | D | 63.20  | 5' 3"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18      | 16                | 70                   | 104.35 | 8' 8"              | D | 82.88  | 6' 10"             | D | 72.40  | 6' 0"              | D | 91.16  | 7' 7"              | S | 72.40  | 6' 0"              | D | 63.25  | 5' 3"              | D | 74.82  | 6' 2"              | S | 74.82  | 5' 5"              | D | 57.47  | 4' 9"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)      | 24                | 70                   | 91.15  | 7' 7"              | S | 72.34  | 6' 0"              | D | 63.20  | 5' 3"              | D | 66.51  | 5' 6"              | S | 63.20  | 5' 3"              | D | 48.23  | 4' 0"              | S | 49.88  | 4' 1"              | S | 49.88  | 4' 1"              | S | 49.88  | 4' 1"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 250 S       | 12                | 70                   | 164.32 | 13' 8"             | D | 130.42 | 10' 10"            | D | 113.93 | 9' 5"              | D | 143.54 | 11' 11"            | D | 113.93 | 9' 5"              | D | 99.53  | 8' 3"              | D | 130.42 | 10' 10"            | D | 103.51 | 8' 7"              | D | 90.43  | 7' 6"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18      | 16                | 70                   | 149.30 | 12' 5"             | D | 118.59 | 9' 10"             | D | 103.60 | 8' 7"              | D | 130.41 | 10' 10"            | D | 103.60 | 8' 7"              | D | 90.50  | 7' 6"              | D | 110.67 | 9' 2"              | S | 94.13  | 7' 10"             | D | 82.23  | 6' 10"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)      | 24                | 70                   | 130.42 | 10' 10"            | D | 103.51 | 8' 7"              | D | 90.43  | 7' 6"              | D | 98.37  | 8' 2"              | S | 90.43  | 7' 6"              | D | 69.01  | 5' 9"              | S | 73.78  | 6' 1"              | S | 73.78  | 6' 1"              | S | 71.77  | 5' 11"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| 350 S       | 12                | 70                   | 213.67 | 17' 9"             | D | 169.59 | 14' 1"             | D | 148.15 | 12' 4"             | D | 186.66 | 15' 6"             | D | 148.15 | 12' 4"             | D | 129.42 | 10' 9"             | D | 169.59 | 14' 1"             | D | 134.60 | 11' 2"             | D | 117.59 | 9' 9"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18      | 16                | 70                   | 194.15 | 16' 2"             | D | 154.21 | 12' 10"            | D | 134.72 | 11' 2"             | D | 169.60 | 14' 1"             | D | 134.72 | 11' 2"             | D | 117.69 | 9' 9"              | D | 134.70 | 11' 2"             | S | 122.40 | 10' 2"             | D | 106.92 | 8' 10"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)      | 24                | 70                   | 169.59 | 14' 1"             | D | 134.60 | 11' 2"             | S | 117.59 | 9' 9"              | D | 119.73 | 9' 11"             | S | 117.59 | 9' 9"              | D | 89.74  | 7' 5"              | S | 89.80  | 7' 5"              | S | 89.80  | 7' 5"              | S | 89.80  | 7' 5"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 362 S       | 12                | 70                   | 219.68 | 18' 3"             | D | 174.36 | 14' 6"             | D | 152.32 | 12' 8"             | D | 191.91 | 15' 11"            | D | 152.32 | 12' 8"             | D | 133.06 | 11' 1"             | D | 174.36 | 14' 6"             | D | 138.39 | 11' 6"             | D | 120.89 | 10' 0"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18      | 16                | 70                   | 199.61 | 16' 7"             | S | 158.55 | 13' 2"             | D | 128.50 | 11' 6"             | D | 174.37 | 14' 6"             | S | 138.50 | 11' 6"             | D | 120.99 | 10' 0"             | D | 137.56 | 11' 5"             | S | 109.93 | 10' 5"             | D | 109.93 | 9' 1"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)      | 24                | 70                   | 174.36 | 14' 6"             | D | 138.39 | 11' 6"             | D | 120.89 | 10' 0"             | D | 122.27 | 10' 2"             | S | 120.89 | 10' 0"             | D | 92.26  | 7' 8"              | S | 91.70  | 7' 7"              | S | 91.70  | 7' 7"              | S | 91.70  | 7' 7"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 400 S       | 12                | 70                   | 237.30 | 19' 9"             | D | 188.35 | 15' 8"             | D | 164.54 | 13' 8"             | D | 207.30 | 15' 11"            | D | 164.54 | 13' 8"             | D | 143.74 | 11' 11"            | D | 188.35 | 15' 8"             | D | 149.49 | 12' 5"             | D | 130.59 | 10' 10"            | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18      | 16                | 70                   | 215.62 | 17' 11"            | S | 171.27 | 14' 3"             | D | 149.62 | 12' 5"             | D | 188.36 | 11' 11"            | S | 149.62 | 12' 5"             | D | 130.70 | 10' 10"            | D | 145.57 | 12' 1"             | S | 135.94 | 11' 3"             | D | 118.75 | 9' 10"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)      | 24                | 70                   | 188.35 | 15' 8"             | D | 149.49 | 12' 5"             | D | 130.59 | 10' 10"            | D | 129.39 | 7' 11"             | S | 129.39 | 10' 9"             | S | 99.66  | 8' 3"              | S | 97.04  | 8' 1"              | S | 97.04  | 8' 1"              | S | 97.04  | 8' 1"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 600 S       | 12                | 70                   | 326.73 | 27' 2"             | D | 259.32 | 21' 7"             | D | 226.54 | 18' 10"            | D | 285.42 | 23' 9"             | D | 226.54 | 18' 10"            | D | 197.90 | 16' 5"             | D | 225.65 | 18' 9"             | S | 205.82 | 17' 1"             | D | 179.80 | 14' 11"            | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18      | 16                | 70                   | 296.87 | 24' 8"             | S | 235.81 | 19' 7"             | D | 206.00 | 17' 1"             | D | 225.65 | 18' 9"             | S | 206.00 | 17' 1"             | D | 179.95 | 14' 11"            | D | 169.24 | 14' 1"             | S | 169.24 | 14' 1"             | S | 163.50 | 13' 7"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)      | 24                | 70                   | 225.65 | 18' 9"             | S | 205.82 | 17' 1"             | D | 179.80 | 14' 11"            | D | 150.43 | 12' 6"             | S | 150.43 | 12' 6"             | S | 137.22 | 11' 5"             | S | 112.83 | 9' 4"              | S | 112.83 | 9' 4"              | S | 112.83 | 9' 4"              | S |       |                    |  |       |                    |  |       |                    |  |  |

## Interior Non-Structural Non-Composite Limiting Heights - Braced at 48" o.c.

| Wind Load        |                   |                      | 5      |                    |   |        |                    |   |        |                    |   |        | 7.5                |   |        |                    |   |        |                    |   |        |                    | 10 |        |                    |   |        |                    |   |       |                    |  |       |                    |  |       |                    |  |  |
|------------------|-------------------|----------------------|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|----|--------|--------------------|---|--------|--------------------|---|-------|--------------------|--|-------|--------------------|--|-------|--------------------|--|--|
| Stud Member      | Spacing (in) o.c. | F <sub>v</sub> (ksi) | L/120  | Height (Feet-inch) |   | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120  | Height (Feet-inch) |   | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120  | Height (Feet-inch) |    | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120 | Height (Feet-inch) |  | L/240 | Height (Feet-inch) |  | L/360 | Height (Feet-inch) |  |  |
| 162 S            | 12                | 70                   | 114.84 | 9' 6"              | D | 91.15  | 7' 7"              | D | 79.62  | 6' 7"              | D | 100.32 | 8' 4"              | D | 79.62  | 6' 7"              | D | 69.56  | 5' 9"              | D | 89.16  | 7' 5"              | S  | 72.34  | 6' 0"              | D | 63.20  | 5' 3"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18<br>(20EQ) | 16                | 70                   | 104.35 | 8' 8"              | D | 82.88  | 6' 10"             | D | 72.40  | 6' 0"              | D | 89.16  | 7' 5"              | S | 72.40  | 6' 0"              | D | 63.25  | 5' 3"              | S | 66.87  | 5' 6"              | S  | 65.78  | 5' 5"              | D | 57.47  | 4' 9"              | D |       |                    |  |       |                    |  |       |                    |  |  |
|                  | 24                | 70                   | 89.16  | 7' 5"              | S | 72.34  | 6' 0"              | D | 63.20  | 5' 3"              | D | 59.44  | 4' 11"             | S | 59.44  | 4' 11"             | S | 55.21  | 4' 7"              | D | 44.58  | 3' 8"              | S  | 44.58  | 3' 8"              | S | 44.58  | 3' 8"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 250 S            | 12                | 70                   | 164.32 | 13' 8"             | D | 130.42 | 10' 10"            | D | 113.93 | 9' 5"              | D | 143.54 | 11' 11"            | D | 113.93 | 9' 5"              | D | 99.53  | 8' 3"              | D | 130.42 | 10' 10"            | D  | 103.51 | 8' 7"              | D | 90.43  | 7' 6"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18           | 16                | 70                   | 149.30 | 12' 5"             | D | 118.59 | 9' 10"             | D | 103.60 | 8' 7"              | D | 130.43 | 10' 10"            | D | 103.60 | 8' 7"              | D | 90.50  | 7' 6"              | D | 104.65 | 8' 8"              | S  | 94.13  | 7' 10"             | D | 82.23  | 6' 10"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)           | 24                | 70                   | 130.42 | 10' 10"            | D | 103.51 | 8' 7"              | D | 90.43  | 7' 6"              | D | 93.02  | 7' 9"              | S | 90.43  | 7' 6"              | D | 79.00  | 6' 6"              | D | 69.77  | 5' 9"              | S  | 69.77  | 5' 9"              | S | 69.77  | 5' 9"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 350 S            | 12                | 70                   | 213.67 | 17' 9"             | D | 169.59 | 14' 1"             | D | 148.15 | 12' 4"             | D | 186.66 | 15' 6"             | D | 148.15 | 12' 4"             | D | 129.42 | 10' 9"             | D | 169.59 | 14' 1"             | D  | 134.60 | 11' 2"             | D | 117.59 | 9' 9"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18           | 16                | 70                   | 194.15 | 16' 2"             | D | 154.21 | 12' 10"            | D | 134.72 | 11' 2"             | D | 169.60 | 14' 1"             | D | 134.72 | 11' 2"             | D | 117.69 | 9' 9"              | D | 128.29 | 10' 8"             | S  | 122.40 | 10' 2"             | D | 106.92 | 8' 10"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)           | 24                | 70                   | 169.59 | 14' 1"             | D | 134.60 | 11' 2"             | S | 117.59 | 9' 9"              | D | 114.04 | 9' 6"              | S | 114.04 | 9' 6"              | S | 102.72 | 8' 6"              | D | 85.53  | 7' 1"              | S  | 85.53  | 7' 1"              | S | 85.53  | 7' 1"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 362 S            | 12                | 70                   | 219.68 | 18' 3"             | D | 174.36 | 14' 6"             | D | 152.32 | 12' 8"             | D | 191.91 | 15' 11"            | D | 152.32 | 12' 8"             | D | 133.06 | 11' 1"             | D | 174.06 | 14' 6"             | S  | 138.39 | 11' 6"             | D | 120.89 | 10' 0"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18           | 16                | 70                   | 199.61 | 16' 7"             | S | 158.55 | 13' 2"             | D | 138.50 | 11' 6"             | D | 174.06 | 14' 6"             | S | 138.50 | 11' 6"             | D | 120.99 | 10' 0"             | D | 130.55 | 10' 10"            | S  | 125.84 | 10' 5"             | D | 109.93 | 9' 1"              | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)           | 24                | 70                   | 174.06 | 14' 6"             | S | 138.39 | 11' 6"             | D | 120.89 | 10' 0"             | D | 116.04 | 9' 8"              | S | 116.04 | 9' 8"              | D | 105.61 | 8' 9"              | D | 87.03  | 7' 3"              | S  | 87.03  | 7' 3"              | S | 87.03  | 7' 3"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 400 S            | 12                | 70                   | 237.30 | 19' 9"             | D | 188.35 | 15' 8"             | D | 164.54 | 13' 8"             | D | 207.30 | 17' 13"            | D | 164.54 | 13' 8"             | D | 143.74 | 11' 11"            | D | 182.15 | 15' 2"             | S  | 149.49 | 12' 5"             | D | 130.59 | 10' 10"            | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18           | 16                | 70                   | 215.62 | 17' 11"            | S | 171.27 | 14' 3"             | D | 149.62 | 12' 5"             | D | 182.15 | 15' 2"             | S | 149.62 | 12' 5"             | D | 130.70 | 10' 10"            | D | 136.61 | 11' 4"             | S  | 135.94 | 11' 3"             | D | 118.75 | 9' 10"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)           | 24                | 70                   | 182.35 | 15' 2"             | S | 149.49 | 12' 5"             | D | 130.59 | 10' 10"            | D | 121.43 | 10' 1"             | S | 121.43 | 10' 1"             | S | 114.08 | 9' 6"              | D | 91.07  | 7' 7"              | S  | 97.07  | 7' 7"              | S | 91.07  | 7' 7"              | S |       |                    |  |       |                    |  |       |                    |  |  |
| 600 S            | 12                | 70                   | 326.73 | 27' 2"             | D | 259.32 | 21' 7"             | D | 226.54 | 18' 10"            | D | 285.42 | 23' 9"             | D | 226.54 | 18' 10"            | D | 197.90 | 16' 5"             | D | 216.80 | 18' 0"             | S  | 205.82 | 17' 1"             | D | 179.80 | 14' 11"            | D |       |                    |  |       |                    |  |       |                    |  |  |
| 125-18           | 16                | 70                   | 296.87 | 24' 8"             | S | 235.81 | 19' 7"             | D | 206.00 | 17' 1"             | D | 216.80 | 18' 0"             | S | 206.00 | 17' 1"             | D | 179.95 | 14' 11"            | D | 162.60 | 13' 6"             | S  | 162.60 | 13' 6"             | S | 163.50 | 13' 7"             | D |       |                    |  |       |                    |  |       |                    |  |  |
| (20EQ)           | 24                | 70                   | 214.80 | 18' 0"             | S | 205.82 | 17' 1"             | D | 179.80 | 14' 11"            | D | 144.53 | 12' 0"             | S | 144.53 | 12' 0"             | S | 144.53 | 12' 0"             | S | 108.40 | 9' 0"              | S  | 108.40 | 9' 0"              | S | 108.40 | 9' 0"              | S |       |                    |  |       |                    |  |       |                    |  |  |



## UMS POWER TRACK 20EQ



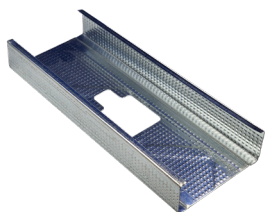
power  
track  
20EQ

Non Structural (20 EQ) Track Section Properties - 18 Mil (0.0190 in)

| Member              | Design Thickness (in) | Gross Properties     |                         |                |                                   |                                   |                     |                                   | Effective Properties |                                    |                                    |                       |                      |                                      | Torsional Properties              |                     |        |                     |       |
|---------------------|-----------------------|----------------------|-------------------------|----------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|----------------------|------------------------------------|------------------------------------|-----------------------|----------------------|--------------------------------------|-----------------------------------|---------------------|--------|---------------------|-------|
|                     |                       | F <sub>y</sub> (ksi) | Area (in <sup>2</sup> ) | Weight (lb/ft) | I <sub>x</sub> (in <sup>4</sup> ) | S <sub>x</sub> (in <sup>3</sup> ) | R <sub>x</sub> (in) | I <sub>y</sub> (in <sup>4</sup> ) | R <sub>y</sub> (in)  | I <sub>xe</sub> (in <sup>4</sup> ) | S <sub>xe</sub> (in <sup>3</sup> ) | M <sub>a</sub> (in-k) | V <sub>ag</sub> (lb) | J <sub>1000</sub> (in <sup>4</sup> ) | C <sub>w</sub> (in <sup>6</sup> ) | X <sub>0</sub> (in) | m (in) | R <sub>0</sub> (in) | β     |
| 162 T 125-18 (20EQ) | 0.0190                | 50                   | 0.078                   | 0.264          | 0.040                             | 0.046                             | 0.702               | 0.010                             | 0.404                | 0.025                              | 0.023                              | 0.511                 | 674                  | 0.009                                | 0.006                             | 0.8528              | 0.474  | 1.20                | 0.495 |
| 250 T 125-18 (20EQ) | 0.0190                | 50                   | 0.095                   | 0.324          | 0.099                             | 0.078                             | 1.02                | 0.014                             | 0.390                | 0.075                              | 0.051                              | 0.885                 | 674                  | 0.011                                | 0.017                             | 0.7351              | 0.472  | 1.32                | 0.690 |
| 350 T 125-18 (20EQ) | 0.0190                | 50                   | 0.114                   | 0.387          | 0.213                             | 0.121                             | 1.37                | 0.015                             | 0.371                | 0.178                              | 0.091                              | 1.25                  | 674                  | 0.014                                | 0.036                             | 0.6401              | 0.425  | 1.56                | 0.832 |
| 362 T 125-18 (20EQ) | 0.0190                | 50                   | 0.116                   | 0.395          | 0.232                             | 0.126                             | 1.41                | 0.016                             | 0.369                | 0.195                              | 0.097                              | 1.30                  | 674                  | 0.013                                | 0.039                             | 0.6301              | 0.418  | 1.59                | 0.843 |
| 400 T 125-18 (20EQ) | 0.0190                | 50                   | 0.123                   | 0.418          | 0.291                             | 0.144                             | 1.54                | 0.016                             | 0.362                | 0.247                              | 0.113                              | 2.36                  | 423                  | 0.014                                | 0.049                             | 0.6021              | 0.446  | 1.69                | 0.873 |
| 600 T 125-18 (20EQ) | 0.0190                | 50                   | 0.161                   | 0.547          | 0.769                             | 0.254                             | 2.19                | 0.017                             | 0.327                | 0.723                              | 0.232                              | 2.24                  | 666                  | 0.019                                | 0.122                             | 0.4859              | 0.336  | 2.26                | 0.954 |



## UMS POWER STUD 25EQ



power  
stud  
25EQ

Non Structural (25) Stud Section Properties - 15 Mil (0.0158)

| Gross Properties          |                       |                      |                         |                |                                   |                                   |                     |                                   |                     |                                    |                                    |                       |                        |                       |                         |                                       |                                   |                     |        |                     |       |                     | Effective Properties |  |  |  |  |  |  | Torsional Properties |  |  |  |  |  |  |
|---------------------------|-----------------------|----------------------|-------------------------|----------------|-----------------------------------|-----------------------------------|---------------------|-----------------------------------|---------------------|------------------------------------|------------------------------------|-----------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------------------------|---------------------|--------|---------------------|-------|---------------------|----------------------|--|--|--|--|--|--|----------------------|--|--|--|--|--|--|
| Member                    | Design Thickness (in) | F <sub>y</sub> (ksi) | Area (in <sup>2</sup> ) | Weight (lb/ft) | I <sub>x</sub> (in <sup>4</sup> ) | S <sub>x</sub> (in <sup>3</sup> ) | R <sub>x</sub> (in) | I <sub>y</sub> (in <sup>4</sup> ) | R <sub>y</sub> (in) | I <sub>x0</sub> (in <sup>4</sup> ) | S <sub>x0</sub> (in <sup>3</sup> ) | M <sub>a</sub> (in-k) | M <sub>ad</sub> (in-k) | V <sub>a,g</sub> (lb) | V <sub>a,net</sub> (lb) | J <sub>x1000</sub> (in <sup>4</sup> ) | C <sub>w</sub> (in <sup>6</sup> ) | X <sub>0</sub> (in) | m (in) | R <sub>0</sub> (in) | β     | L <sub>u</sub> (in) |                      |  |  |  |  |  |  |                      |  |  |  |  |  |  |
| 162 S<br>125-15<br>(25EQ) | 0.0158                | 50                   | 0.068                   | 0.231          | 0.032                             | 0.039                             | 0.686               | 0.013                             | 0.443               | 0.026                              | 0.029                              | 0.683                 | 0.570                  | 170                   | 100                     | 0.0060                                | 0.007                             | 0.9993              | 0.620  | 1.29                | 0.401 | 24.8                |                      |  |  |  |  |  |  |                      |  |  |  |  |  |  |
| 250 S<br>125-15<br>(25EQ) | 0.0158                | 50                   | 0.082                   | 0.276          | 0.084                             | 0.067                             | 1.01                | 0.015                             | 0.432               | 0.077                              | 0.059                              | 1.03                  | 0.983                  | 250                   | 175                     | 0.0068                                | 0.018                             | 0.9304              | 0.574  | 1.50                | 0.615 | 24.5                |                      |  |  |  |  |  |  |                      |  |  |  |  |  |  |
| 350 S<br>125-15<br>(25EQ) | 0.0158                | 50                   | 0.098                   | 0.324          | 0.184                             | 0.104                             | 1.37                | 0.017                             | 0.416               | 0.179                              | 0.101                              | 1.53                  | 0.773                  | 240                   | 240                     | 0.0081                                | 0.039                             | 0.7616              | 0.502  | 1.62                | 0.779 | 24.6                |                      |  |  |  |  |  |  |                      |  |  |  |  |  |  |
| 362 S<br>125-15<br>(25EQ) | 0.0158                | 50                   | 0.100                   | 0.336          | 0.198                             | 0.109                             | 1.41                | 0.017                             | 0.413               | 0.195                              | 0.107                              | 1.59                  | 0.773                  | 245                   | 245                     | 0.0082                                | 0.042                             | 0.7502              | 0.500  | 1.65                | 0.793 | 24.3                |                      |  |  |  |  |  |  |                      |  |  |  |  |  |  |
| 400 S<br>125-15<br>(25EQ) | 0.0158                | 50                   | 0.105                   | 0.360          | 0.249                             | 0.125                             | 1.54                | 0.017                             | 0.407               | 0.247                              | 0.127                              | 1.79                  | 1.79                   | 284                   | 284                     | 0.0090                                | 0.052                             | 0.7190              | 0.484  | 1.75                | 0.831 | 24.2                |                      |  |  |  |  |  |  |                      |  |  |  |  |  |  |



## Interior Non-Structural Non-Composite Limiting Heights - Fully Braced

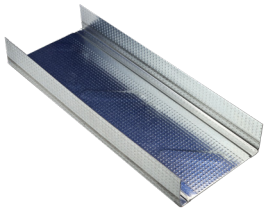
| Wind Load   |                   |                      | 5      |                    |   |       |                    |   |       |                    |   |       | 7.5                |   |       |                    |   |       |                    |   |       |                    | 10 |       |                    |   |       |                    |   |        |                    |    |       |                    |   |       |                    |   |       |       |   |       |        |   |       |       |   |       |       |   |       |       |   |       |       |   |       |       |   |       |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
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| Stud Member | Spacing (in) o.c. | F <sub>y</sub> (ksi) | L/120  | Height (Feet-inch) |   | L/240 | Height (Feet-inch) |   | L/360 | Height (Feet-inch) |   | L/120 | Height (Feet-inch) |   | L/240 | Height (Feet-inch) |   | L/360 | Height (Feet-inch) |   | L/120 | Height (Feet-inch) |    | L/240 | Height (Feet-inch) |   | L/360 | Height (Feet-inch) |   | L/120  | Height (Feet-inch) |    | L/240 | Height (Feet-inch) |   | L/360 | Height (Feet-inch) |   |       |       |   |       |        |   |       |       |   |       |       |   |       |       |   |       |       |   |       |       |   |       |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| 162 S       | 12                | 50                   | 105.02 | 8' 9"              | D | 83.35 | 6' 11"             | D | 72.81 | 6' 0"              | D | 91.74 | 7' 7"              | D | 72.81 | 6' 0"              | D | 63.61 | 5' 3"              | D | 83.35 | 6' 11"             | D  | 66.16 | 5' 6"              | D | 57.79 | 4' 9"              | D | 125-15 | 16                 | 50 | 95.42 | 7' 11"             | D | 75.79 | 6' 3"              | D | 66.21 | 5' 6" | D | 83.36 | 6' 11" | D | 66.21 | 5' 6" | D | 57.84 | 4' 9" | D | 66.53 | 5' 6" | S | 60.16 | 5' 0" | D | 52.55 | 4' 4" | D | 44.35 | 3' 8" | S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |
| (25EQ)      | 24                | 50                   | 83.35  | 6' 11"             | D | 66.16 | 5' 6"              | D | 57.79 | 4' 9"              | D | 59.14 | 4' 11"             | S | 57.79 | 4' 9"              | D | 44.10 | 3' 8"              | S | 44.35 | 3' 8"              | S  | 44.35 | 3' 8"              | S | 44.35 | 3' 8"              | S |        |                    |    |       |                    |   |       |                    |   |       |       |   |       |        |   |       |       |   |       |       |   |       |       |   |       |       |   |       |       |   |       |       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | </ |

## Interior Non-Structural Non-Composite Limiting Heights - Braced at 48" o.c.

| Wind Load   |                   |                      | 5      |                    |   |        |                    |   |        |                    |   |        | 7.5                |   |        |                    |   |        |                    |   |        |                    | 10 |        |                    |   |        |                    |   |        |                    |    |        |                    |   |        |                    |   |        |        |   |        |         |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |
|-------------|-------------------|----------------------|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|---|--------|--------------------|----|--------|--------------------|---|--------|--------------------|---|--------|--------------------|----|--------|--------------------|---|--------|--------------------|---|--------|--------|---|--------|---------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|---|
| Stud Member | Spacing (in) o.c. | F <sub>y</sub> (ksi) | L/120  | Height (Feet-inch) |   | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120  | Height (Feet-inch) |   | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120  | Height (Feet-inch) |    | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   | L/120  | Height (Feet-inch) |    | L/240  | Height (Feet-inch) |   | L/360  | Height (Feet-inch) |   |        |        |   |        |         |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |        |        |   |
| 162 S       | 12                | 50                   | 105.02 | 8' 9"              | D | 83.35  | 6' 11"             | D | 72.81  | 6' 0"              | D | 91.74  | 7' 7"              | D | 72.81  | 6' 0"              | D | 63.61  | 5' 3"              | D | 81.03  | 6' 9"              | S  | 66.16  | 5' 6"              | D | 57.79  | 4' 9"              | D | 125-15 | 16                 | 50 | 95.42  | 7' 11"             | D | 75.79  | 6' 3"              | D | 66.21  | 5' 6"  | D | 81.03  | 6' 9"   | S | 66.21  | 5' 6"  | D | 57.84  | 4' 9"  | D | 60.77  | 5' 0"  | S | 60.16  | 5' 0"  | D | 52.55  | 4' 4"  | D | 44.35  | 3' 8"  | S |        |        |   |        |        |   |        |        |   |
| (25EQ)      | 24                | 50                   | 81.05  | 6' 11"             | S | 66.16  | 5' 6"              | D | 57.79  | 4' 9"              | D | 54.02  | 4' 6"              | S | 54.02  | 4' 9"              | S | 50.49  | 4' 2"              | D | 40.52  | 3' 4"              | S  | 40.52  | 3' 4"              | S | 40.52  | 3' 4"              | S | 125-15 | 16                 | 50 | 95.42  | 7' 11"             | D | 75.79  | 6' 3"              | D | 66.21  | 5' 6"  | D | 81.03  | 6' 9"   | S | 66.21  | 5' 6"  | D | 57.84  | 4' 9"  | D | 60.77  | 5' 0"  | S | 60.16  | 5' 0"  | D | 52.55  | 4' 4"  | D | 44.35  | 3' 8"  | S |        |        |   |        |        |   |        |        |   |
| 250 S       | 12                | 50                   | 150.81 | 12' 6"             | D | 119.70 | 9' 11"             | D | 104.56 | 8' 8"              | D | 131.74 | 10' 11"            | D | 104.56 | 8' 8"              | D | 91.35  | 7' 7"              | D | 106.42 | 8' 10"             | S  | 95.00  | 7' 11"             | D | 82.99  | 6' 10"             | D | 125-15 | 16                 | 50 | 137.03 | 11' 5"             | D | 108.84 | 9' 0"              | D | 95.08  | 7' 11" | D | 106.42 | 8' 10"  | S | 95.08  | 7' 11" | D | 83.06  | 6' 11" | D | 79.81  | 6' 7"  | S | 79.81  | 6' 7"  | S | 75.47  | 6' 3"  | D | 54.46  | 4' 6"  | S |        |        |   |        |        |   |        |        |   |
| (25EQ)      | 24                | 50                   | 106.42 | 8' 10"             | S | 95.00  | 7' 11"             | D | 82.99  | 6' 10"             | D | 70.94  | 5' 0"              | S | 70.94  | 5' 10"             | S | 70.94  | 5' 10"             | S | 53.21  | 4' 5"              | S  | 53.21  | 4' 5"              | S | 53.21  | 4' 5"              | S | 125-15 | 16                 | 50 | 137.03 | 11' 5"             | D | 108.84 | 9' 0"              | D | 95.08  | 7' 11" | D | 106.42 | 8' 10"  | S | 95.08  | 7' 11" | D | 83.06  | 6' 11" | D | 79.81  | 6' 7"  | S | 79.81  | 6' 7"  | S | 75.47  | 6' 3"  | D | 54.46  | 4' 6"  | S |        |        |   |        |        |   |        |        |   |
| 350 S       | 12                | 50                   | 188.76 | 15' 8"             | S | 158.56 | 13' 2"             | D | 138.52 | 11' 6"             | D | 125.84 | 10' 5"             | S | 125.84 | 10' 5"             | S | 121.01 | 10' 1"             | D | 94.38  | 7' 10"             | S  | 94.38  | 7' 10"             | S | 94.38  | 7' 10"             | S | 125-15 | 16                 | 50 | 141.57 | 11' 9"             | S | 141.57 | 11' 9"             | S | 125.96 | 10' 5" | D | 94.38  | 7' 10"  | S | 94.38  | 7' 10" | S | 70.78  | 5' 10" | S | 70.78  | 5' 10" | S | 70.78  | 5' 10" | S | 70.78  | 5' 10" | S | 70.78  | 5' 10" | S | 70.78  | 5' 10" | S |        |        |   |        |        |   |
| (25EQ)      | 24                | 50                   | 94.38  | 7' 10"             | S | 94.38  | 7' 10"             | S | 94.38  | 7' 10"             | S | 62.92  | 5' 2"              | S | 62.92  | 5' 2"              | S | 62.92  | 5' 2"              | S | 47.19  | 3' 11"             | S  | 47.19  | 3' 11"             | S | 47.19  | 3' 11"             | S | 125-15 | 16                 | 50 | 141.57 | 11' 9"             | S | 141.55 | 11' 9"             | S | 129.60 | 10' 9" | D | 94.37  | 7' 10"  | S | 94.37  | 7' 10" | S | 94.37  | 7' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S |        |        |   |
| 362 S       | 12                | 50                   | 188.73 | 15' 8"             | S | 163.15 | 13' 7"             | D | 142.53 | 11' 10"            | D | 125.82 | 10' 5"             | S | 125.82 | 10' 5"             | S | 124.51 | 10' 4"             | D | 94.37  | 7' 10"             | S  | 94.37  | 7' 10"             | S | 94.37  | 7' 10"             | S | 125-15 | 16                 | 50 | 141.55 | 11' 9"             | S | 141.55 | 11' 9"             | S | 129.60 | 10' 9" | D | 94.37  | 7' 10"  | S | 94.37  | 7' 10" | S | 94.37  | 7' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S |        |        |   |        |        |   |
| (25EQ)      | 24                | 50                   | 94.37  | 7' 10"             | S | 94.37  | 7' 10"             | S | 94.37  | 7' 10"             | S | 62.91  | 5' 2"              | S | 62.91  | 5' 2"              | S | 62.91  | 5' 2"              | S | 47.18  | 3' 11"             | S  | 47.18  | 3' 11"             | S | 47.18  | 3' 11"             | S | 125-15 | 16                 | 50 | 141.55 | 11' 9"             | S | 141.55 | 11' 9"             | S | 129.60 | 10' 9" | D | 94.37  | 7' 10"  | S | 94.37  | 7' 10" | S | 94.37  | 7' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S | 70.77  | 5' 10" | S |        |        |   |
| 400 S       | 12                | 50                   | 222.41 | 18' 6"             | D | 176.53 | 14' 8"             | D | 154.21 | 12' 10"            | D | 191.47 | 15' 11"            | S | 154.21 | 12' 10"            | D | 134.72 | 11' 2"             | D | 143.60 | 11' 11"            | S  | 140.11 | 11' 8"             | D | 122.40 | 10' 2"             | D | 125-15 | 16                 | 50 | 202.09 | 16' 10"            | S | 158.55 | 13' 2"             | S | 140.23 | 11' 8" | D | 143.60 | 11' 11" | S | 140.23 | 11' 8" | D | 122.50 | 10' 2" | D | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S |
| (25EQ)      | 24                | 50                   | 143.60 | 11' 11"            | S | 140.11 | 11' 8"             | D | 122.40 | 10' 2"             | D | 95.73  | 7' 11"             | S | 95.73  | 7' 11"             | S | 95.73  | 7' 9"              | S | 71.80  | 5' 11"             | S  | 71.80  | 5' 11"             | S | 71.80  | 5' 11"             | S | 125-15 | 16                 | 50 | 202.09 | 16' 10"            | S | 158.55 | 13' 2"             | S | 140.23 | 11' 8" | D | 143.60 | 11' 11" | S | 140.23 | 11' 8" | D | 122.50 | 10' 2" | D | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S | 107.70 | 8' 11" | S |



## UMS POWER TRACK 25EQ



power  
track  
25EQ

Non Structural (25) Track Section Properties - 15 Mil (0.0158)

| Member                 | Design<br>Thickness<br>(in) | Gross Properties        |                            |                   |                                      |                                      | Effective Properties   |                                      |                        |                                       |                                       |                          |                         | Torsional Properties                      |                                      |                        |           |                        |       |
|------------------------|-----------------------------|-------------------------|----------------------------|-------------------|--------------------------------------|--------------------------------------|------------------------|--------------------------------------|------------------------|---------------------------------------|---------------------------------------|--------------------------|-------------------------|-------------------------------------------|--------------------------------------|------------------------|-----------|------------------------|-------|
|                        |                             | F <sub>y</sub><br>(ksi) | Area<br>(in <sup>2</sup> ) | Weight<br>(lb/ft) | I <sub>x</sub><br>(in <sup>4</sup> ) | S <sub>x</sub><br>(in <sup>3</sup> ) | R <sub>x</sub><br>(in) | I <sub>y</sub><br>(in <sup>4</sup> ) | R <sub>y</sub><br>(in) | I <sub>xe</sub><br>(in <sup>4</sup> ) | S <sub>xe</sub><br>(in <sup>3</sup> ) | M <sub>a</sub><br>(in-k) | V <sub>ag</sub><br>(lb) | J <sub>x</sub> 1000<br>(in <sup>4</sup> ) | C <sub>w</sub><br>(in <sup>6</sup> ) | X <sub>0</sub><br>(in) | m<br>(in) | R <sub>0</sub><br>(in) | B     |
| 162 T 125-15<br>(25EQ) | 0.0158                      | 50                      | 0.064                      | 0.22              | 0.032                                | 0.038                                | 0.702                  | 0.013                                | 0.404                  | 0.017                                 | 0.016                                 | 0.389                    | 481                     | 0.005                                     | 0.005                                | 0.9993                 | 0.8525    | 1.18                   | 0.478 |
| 250 T 125-15<br>(25EQ) | 0.0158                      | 50                      | 0.079                      | 0.268             | 0.082                                | 0.065                                | 1.02                   | 0.012                                | 0.390                  | 0.057                                 | 0.038                                 | 0.696                    | 481                     | 0.007                                     | 0.014                                | 0.9304                 | 0.7349    | 1.32                   | 0.690 |
| 350 T 125-15<br>(25EQ) | 0.0158                      | 50                      | 0.095                      | 0.324             | 0.178                                | 0.100                                | 1.37                   | 0.013                                | 0.371                  | 0.137                                 | 0.069                                 | 0.914                    | 481                     | 0.008                                     | 0.030                                | 0.7616                 | 0.6399    | 1.56                   | 0.832 |
| 362 T 125-15<br>(25EQ) | 0.0158                      | 50                      | 0.097                      | 0.328             | 0.193                                | 0.105                                | 1.41                   | 0.013                                | 0.369                  | 0.151                                 | 0.073                                 | 0.946                    | 481                     | 0.008                                     | 0.033                                | 0.7502                 | 0.6299    | 1.57                   | 0.839 |
| 400 T 125-15<br>(25EQ) | 0.0158                      | 50                      | 0.102                      | 0.348             | 0.242                                | 0.120                                | 1.54                   | 0.013                                | 0.362                  | 0.194                                 | 0.086                                 | 1.79                     | 290                     | 0.008                                     | 0.041                                | 0.7190                 | 0.6021    | 1.69                   | 0.873 |

# CERTIFICATE OF COMPLIANCE



This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

## Certificate of Compliance

You have been awarded:

### **Intertek ETL US Mark for Other Products**

Standards: ASTM C645-18 (2018), AISI S100 (2016), AISI S220 (2020)

Certificate number: WHI23-37729201

**Organization:** UMS Metal Building Systems USA LLC  
11417 Irving Park Rd. Suite Number: B - 16, Franklin Park  
Chicago, IL 60131-3882  
United States

**Product:** UMS - Metal Steel Profiles

*Spec ID:* 73743

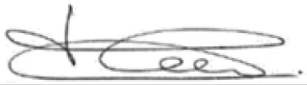
*Listing Information:* See following page(s)

**Certification body:** Intertek Testing Services NA, Inc.

**Initial registration:** August 31, 2023

**Date of expiry:** December 31, 2025

**Issue status:** 4

Authorized By:   
Jean-Philippe Kayl, Director of Certification

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## PRODUCT CATALOG



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