



# Eave Strut Brochure

## Red Iron

# Information

## Members

The members represented in this publication are typically produced in G60, grade 50 cold formed steel. G90 is available upon request but may require longer lead times.

## Documentation

This document is subject to change without notice. Please contact B&M Metals to make sure that you have the latest edition of this document.

## Service Holes

Service holes in studs can be punched upon request. In the event that spacing for the service holes is not specified, they will be punched on 3 foot centers. Please contact B&M Metals for custom hole spacing or more details.

# Red Iron Disclaimer

Use with product tables, details, and preliminary estimating only

## 1. Scope / Intended Use

- Reference use only. This brochure is a general product reference for preliminary review, estimating, and coordination. It is not a sealed design package.
- Engineer verification required. All spans, reactions, member adequacy, deflection, stability, bracing, connections, anchorage, and foundation requirements shall be verified by a licensed Professional Engineer in the project jurisdiction.
- Project-specific conditions govern. Final member selection depends on actual loads, unbraced length, end conditions, diaphragm action, serviceability limits, and governing code requirements.

## 2. Design / Fabrication

- Codes and standards. Verify design using the governing code and applicable standards, including current editions of AISC 360, ASCE/SEI 7, and MBMA references where applicable.
- Material and availability. Dimensions, grades, coatings, lengths, hole patterns, finishes, tolerances, and availability may vary by mill, supplier, and production schedule. Specifications are subject to change without notice.
- Fabrication and field changes. Shop drawings, weld procedures, bolt selection, detailing, substitutions, and field modifications must be reviewed and approved by the Engineer of Record before use.

## 3. Liability / Revision Control

- No warranty of fitness for design. Listed members and properties are provided without guarantee that they satisfy a specific building, loading case, or code condition.
- Tolerance / liability limitation. Sweep, camber, twist, finish variation, and minor dimensional variation may occur within accepted manufacturing tolerances.
- Confirm latest revision. Verify the latest brochure revision and current project criteria before ordering, engineering, or installation. Contact B&M Metals for updated data or project-specific support.

## Suggested Reference Standards

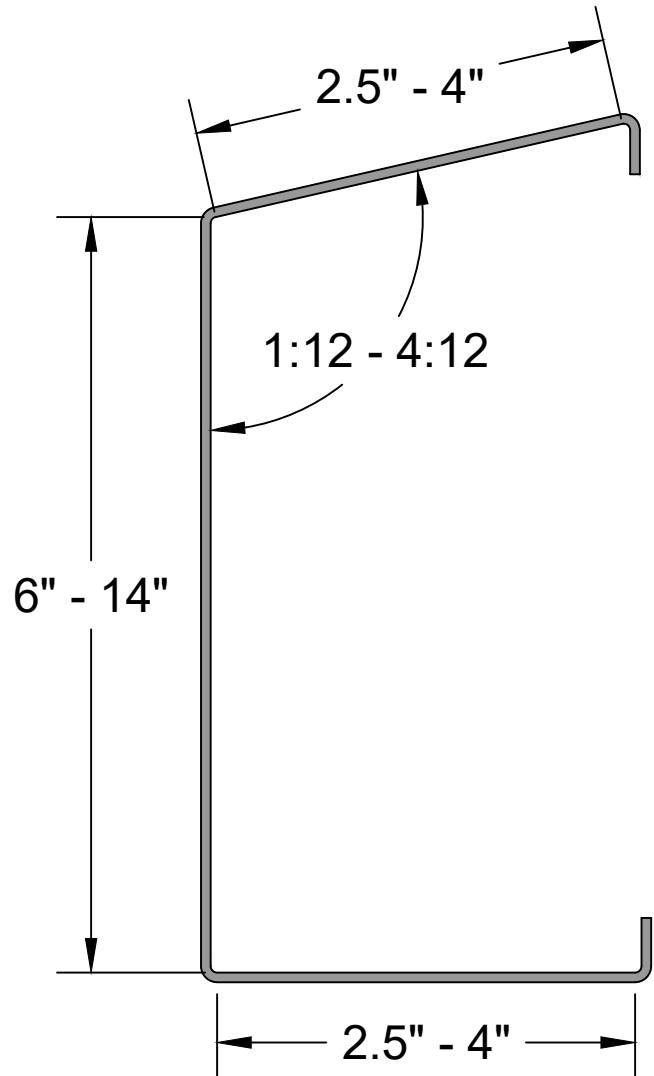
- AISC 360-22 - Structural steel design
- ASCE/SEI 7-22 - Design loads
- MBMA Metal Building Systems Manual - 2024
- Applicable ASTM material specs per project documents

## Other Notes

- Member weights and section properties are nominal unless noted otherwise.
- Connection details shown elsewhere are conceptual unless sealed by the Engineer of Record.
- Do not scale drawings. Use written dimensions only.
- Contact B&M Metals for updated data, custom members, or project support.

# Steel Members Documentation

## Custom Eave Strut



\* Angle of Eave Strut needs to be specified.  
Example has a  $\frac{3}{12}$  pitch.



\* All members shown in 14 gauge to show detail

CUSTOM\_EAVE\_STRUT

6195 Hwy 52 East  
Murrayville GA, 30564  
[www.BMMetals.com](http://www.BMMetals.com)  
Office: (706) 864-6068  
Fax: (706) 864-2147

### Member specs and limits

|          |              |
|----------|--------------|
| Name:    | DepthEFlange |
| Depth:   | 6" - 14"     |
| Flange:  | 2.5" - 4"    |
| Lip:     | .5"          |
| Lengths: | 6' - 60'     |
| Gauges:  | 16,14,12     |

### Name Breakdown

1050L162 - 43

|                                  |                 |                               |                      |
|----------------------------------|-----------------|-------------------------------|----------------------|
| Depth in Inches<br>1050 = 10.50" | Member Key<br>L | Flange Height<br>162 = 1.625" | Mill Thickness<br>43 |
|----------------------------------|-----------------|-------------------------------|----------------------|

### Member Key

- S = Stud (C Shaped)
- L = Lintel (L Shaped)
- T = Track (U Shaped)
- W = I-Beam (I Shaped)
- E = Eave Strut (C Shaped)
- D = Double Eave Strut
- A = Angle (2 Legs, 1 Angle)
- F = Hat (Top Hat Shaped)
- B = Box (Rectangle Shaped)
- FI = Strap/Flat (Flat Shaped)
- Z = Zee (Z Shaped)

| Mill - Gauge       | Bend Radius |
|--------------------|-------------|
| 25 mill = 24 gauge | .0764       |
| 30 mill = 22 gauge | .0796       |
| 33 mill = 20 gauge | .0764       |
| 43 mill = 18 gauge | .0712       |
| 54 mill = 16 gauge | .0849       |
| 68 mill = 14 gauge | .1069       |
| 97 mill = 12 gauge | .1325       |

# Steel Members Documentation

## 6" x 3.5" Eave Strut Single Slope



6195 Hwy 52 East  
Murrayville GA, 30564  
[www.BMMetals.com](http://www.BMMetals.com)  
Office: (706) 864-6068  
Fax: (706) 864-2147

### Member specs and limits

|          |            |
|----------|------------|
| Name:    | 600E350    |
| Depth:   | 6"         |
| Flange:  | 3.5"       |
| Lip:     | .5"        |
| Lengths: | 6' - 60'   |
| Gauges:  | 16, 14, 12 |

### Name Breakdown

**1050L162 - 43**

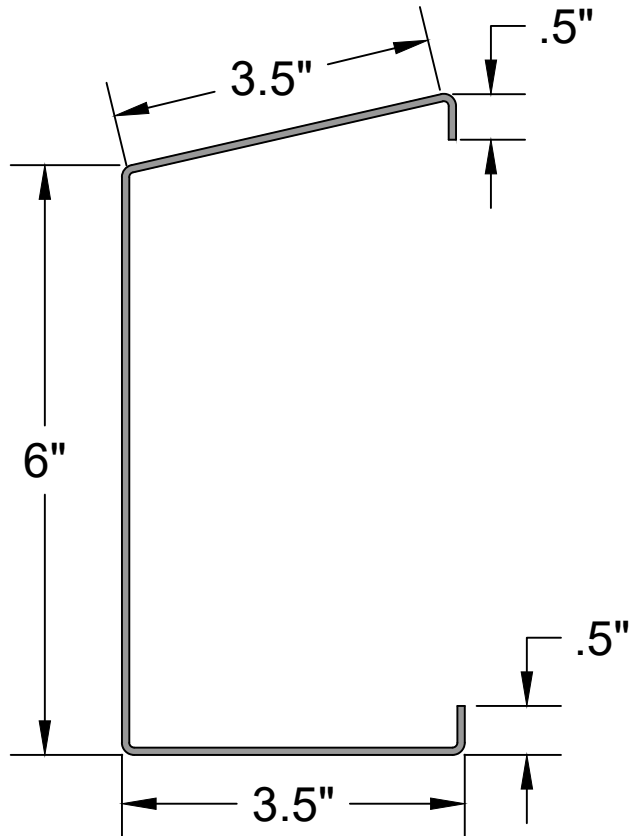
|                                  |                 |                               |                      |
|----------------------------------|-----------------|-------------------------------|----------------------|
| Depth in Inches<br>1050 = 10.50" | Member Key<br>L | Flange Height<br>162 = 1.625" | Mill Thickness<br>43 |
|----------------------------------|-----------------|-------------------------------|----------------------|

### Member Key

**S** = Stud (C Shaped)  
**L** = Lintel (L Shaped)  
**T** = Track (U Shaped)  
**W** = I-Beam (I Shaped)  
**E** = Eave Strut (C Shaped)  
**D** = Double Eave Strut  
**A** = Angle (2 Legs, 1 Angle)  
**F** = Hat (Top Hat Shaped)  
**B** = Box (Rectangle Shaped)  
**Fl** = Strap/Flat (Flat Shaped)  
**Z** = Zee (Z Shaped)

### Mill - Gauge      Bend Radius

|                    |       |
|--------------------|-------|
| 25 mill = 24 gauge | .0764 |
| 30 mill = 22 gauge | .0796 |
| 33 mill = 20 gauge | .0764 |
| 43 mill = 18 gauge | .0712 |
| 54 mill = 16 gauge | .0849 |
| 68 mill = 14 gauge | .1069 |
| 97 mill = 12 gauge | .1325 |



\* Angle of Eave Strut needs to be specified.  
Example has a  $\frac{3}{12}$  pitch.



600E350

# Steel Members Documentation

## 8" x 3.5" Eave Strut Single Slope



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Murrayville GA, 30564  
[www.BMMetals.com](http://www.BMMetals.com)  
Office: (706) 864-6068  
Fax: (706) 864-2147

### Member specs and limits

|          |            |
|----------|------------|
| Name:    | 800E350    |
| Depth:   | 8"         |
| Flange:  | 3.5"       |
| Lip:     | .5"        |
| Lengths: | 6' - 60'   |
| Gauges:  | 16, 14, 12 |

### Name Breakdown

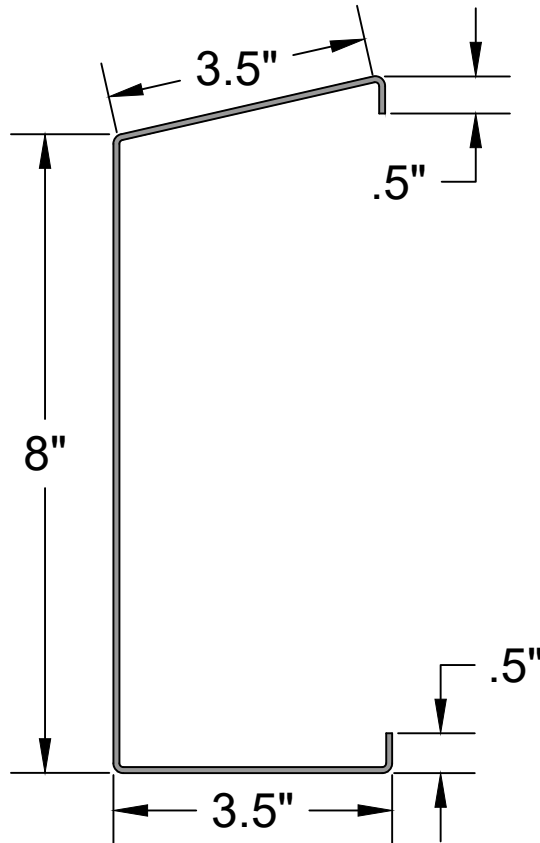
|                                  |            |                               |                |
|----------------------------------|------------|-------------------------------|----------------|
| 1050L162 - 43                    |            |                               |                |
| Depth in Inches<br>1050 = 10.50" | Member Key | Flange Height<br>162 = 1.625" | Mill Thickness |

### Member Key

- S** = Stud (C Shaped)
- L** = Lintel (L Shaped)
- T** = Track (U Shaped)
- W** = I-Beam (I Shaped)
- E** = Eave Strut (C Shaped)
- D** = Double Eave Strut
- A** = Angle (2 Legs, 1 Angle)
- F** = Hat (Top Hat Shaped)
- B** = Box (Rectangle Shaped)
- Fl** = Strap/Flat (Flat Shaped)
- Z** = Zee (Z Shaped)

| Mill - Gauge | Bend Radius |
|--------------|-------------|
|--------------|-------------|

|                    |       |
|--------------------|-------|
| 25 mill = 24 gauge | .0764 |
| 30 mill = 22 gauge | .0796 |
| 33 mill = 20 gauge | .0764 |
| 43 mill = 18 gauge | .0712 |
| 54 mill = 16 gauge | .0849 |
| 68 mill = 14 gauge | .1069 |
| 97 mill = 12 gauge | .1325 |



\*Angle of Eave Strut needs to be specified.  
Example has a  $\frac{3}{12}$  pitch.



800E350

# Steel Members Documentation

## 10" x 3.5" Eave Strut Single Slope



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 Murrayville GA, 30564  
[www.BMMetals.com](http://www.BMMetals.com)  
 Office: (706) 864-6068  
 Fax: (706) 864-2147

### Member specs and limits

|          |            |
|----------|------------|
| Name:    | 1000E350   |
| Depth:   | 10"        |
| Flange:  | 3.5"       |
| Lip:     | .5"        |
| Lengths: | 6' - 60'   |
| Gauges:  | 16, 14, 12 |

### Name Breakdown

**1050L162 - 43**

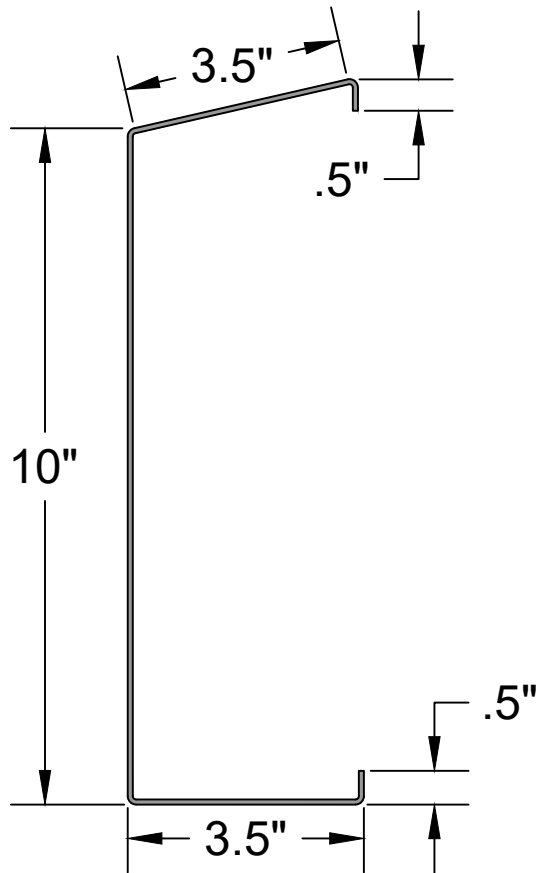
|                                  |                 |                               |                      |
|----------------------------------|-----------------|-------------------------------|----------------------|
| Depth in Inches<br>1050 = 10.50" | Member Key<br>L | Flange Height<br>162 = 1.625" | Mill Thickness<br>43 |
|----------------------------------|-----------------|-------------------------------|----------------------|

### Member Key

- S** = Stud (C Shaped)
- L** = Lintel (L Shaped)
- T** = Track (U Shaped)
- W** = I-Beam (I Shaped)
- E** = Eave Strut (C Shaped)
- D** = Double Eave Strut
- A** = Angle (2 Legs, 1 Angle)
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- B** = Box (Rectangle Shaped)
- Fl** = Strap/Flat (Flat Shaped)
- Z** = Zee (Z Shaped)

### Mill - Gauge      Bend Radius

|                    |       |
|--------------------|-------|
| 25 mill = 24 gauge | .0764 |
| 30 mill = 22 gauge | .0796 |
| 33 mill = 20 gauge | .0764 |
| 43 mill = 18 gauge | .0712 |
| 54 mill = 16 gauge | .0849 |
| 68 mill = 14 gauge | .1069 |
| 97 mill = 12 gauge | .1325 |



\*Angle of Eave Strut needs to be specified.  
 Example has a  $\frac{3}{12}$  pitch.



1000E350

# Steel Members Documentation

## 12" x 3.5" Eave Strut Single Slope



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 Murrayville GA, 30564  
[www.BMMetals.com](http://www.BMMetals.com)  
 Office: (706) 864-6068  
 Fax: (706) 864-2147

### Member specs and limits

|          |            |
|----------|------------|
| Name:    | 1200E350   |
| Depth:   | 12"        |
| Flange:  | 3.5"       |
| Lip:     | .5"        |
| Lengths: | 6' - 60'   |
| Gauges:  | 16, 14, 12 |

### Name Breakdown

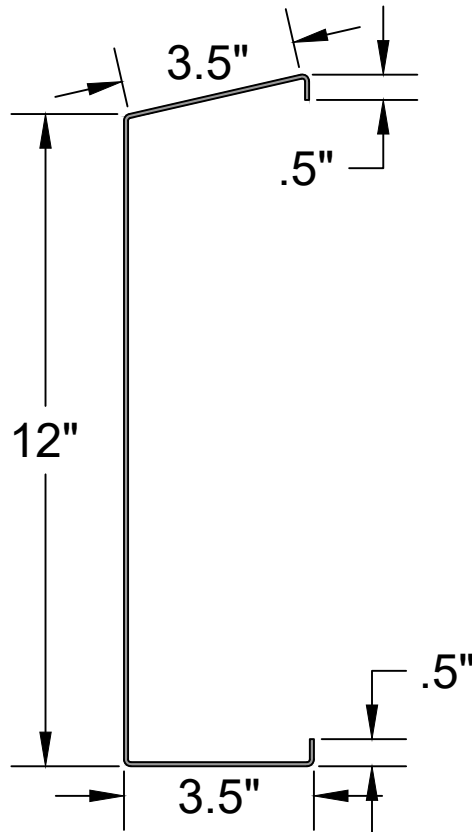
**1050L162 - 43**

|                                  |                 |                               |                      |
|----------------------------------|-----------------|-------------------------------|----------------------|
| Depth in Inches<br>1050 = 10.50" | Member Key<br>L | Flange Height<br>162 = 1.625" | Mill Thickness<br>43 |
|----------------------------------|-----------------|-------------------------------|----------------------|

### Member Key

- S** = Stud (C Shaped)
- L** = Lintel (L Shaped)
- T** = Track (U Shaped)
- W** = I-Beam (I Shaped)
- E** = Eave Strut (C Shaped)
- D** = Double Eave Strut
- A** = Angle (2 Legs, 1 Angle)
- F** = Hat (Top Hat Shaped)
- B** = Box (Rectangle Shaped)
- FI** = Strap/Flat (Flat Shaped)
- Z** = Zee (Z Shaped)

| Mill - Gauge       | Bend Radius |
|--------------------|-------------|
| 25 mill = 24 gauge | .0764       |
| 30 mill = 22 gauge | .0796       |
| 33 mill = 20 gauge | .0764       |
| 43 mill = 18 gauge | .0712       |
| 54 mill = 16 gauge | .0849       |
| 68 mill = 14 gauge | .1069       |
| 97 mill = 12 gauge | .1325       |



\*Angle of Eave Strut needs to be specified.  
 Example has a  $\frac{3}{12}$  pitch.



1200E350

# Steel Members Documentation

## 6" x 3.5" Eave Strut Double Slope



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Murrayville GA, 30564  
[www.BMMetals.com](http://www.BMMetals.com)  
Office: (706) 864-6068  
Fax: (706) 864-2147

### Member specs and limits

|          |            |
|----------|------------|
| Name:    | 600DE350   |
| Depth:   | 6"         |
| Flange:  | 3.5"       |
| Lip:     | .5"        |
| Lengths: | 6' - 60'   |
| Gauges:  | 16, 14, 12 |

### Name Breakdown

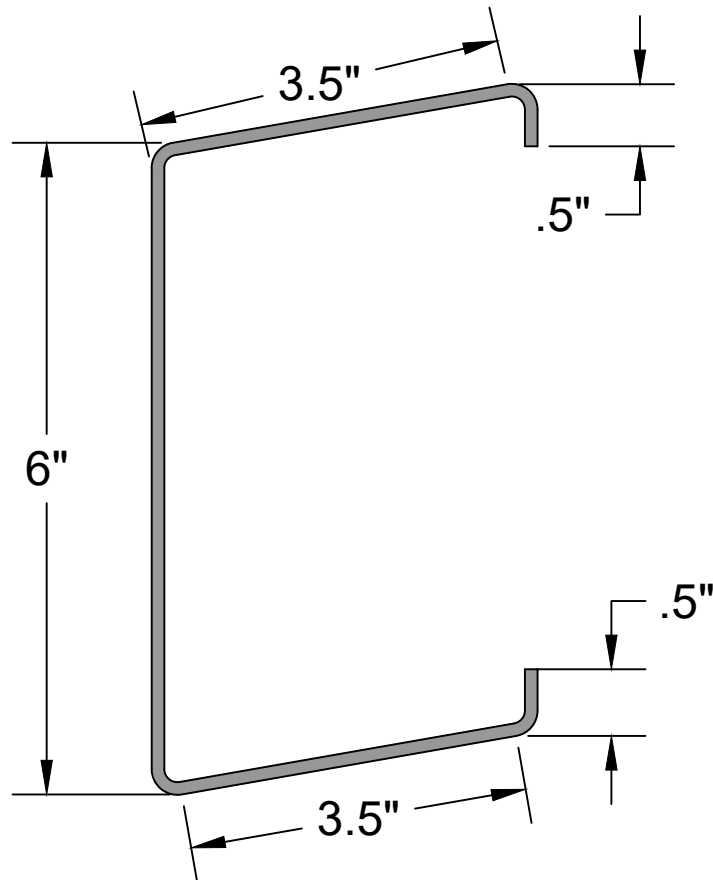
|                                  |                 |                               |                      |
|----------------------------------|-----------------|-------------------------------|----------------------|
| 1050L162 - 43                    |                 |                               |                      |
| Depth in Inches<br>1050 = 10.50" | Member Key<br>L | Flange Height<br>162 = 1.625" | Mill Thickness<br>43 |

### Member Key

- S = Stud (C Shaped)
- L = Lintel (L Shaped)
- T = Track (U Shaped)
- W = I-Beam (I Shaped)
- E = Eave Strut (C Shaped)
- D = Double Eave Strut
- A = Angle (2 Legs, 1 Angle)
- F = Hat (Top Hat Shaped)
- B = Box (Rectangle Shaped)
- Fl = Strap/Flat (Flat Shaped)
- Z = Zee (Z Shaped)

### Mill - Gauge      Bend Radius

|                    |       |
|--------------------|-------|
| 25 mill = 24 gauge | .0764 |
| 30 mill = 22 gauge | .0796 |
| 33 mill = 20 gauge | .0764 |
| 43 mill = 18 gauge | .0712 |
| 54 mill = 16 gauge | .0849 |
| 68 mill = 14 gauge | .1069 |
| 97 mill = 12 gauge | .1325 |



\*Angle of Eave Strut needs to be specified.  
Example has a  $\frac{3}{12}$  pitch.



600DE350

# Steel Members Documentation

## 8" x 3.5" Eave Strut Double Slope



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Murrayville GA, 30564  
[www.BMMetals.com](http://www.BMMetals.com)  
Office: (706) 864-6068  
Fax: (706) 864-2147

### Member specs and limits

|          |            |
|----------|------------|
| Name:    | 800DE350   |
| Depth:   | 8"         |
| Flange:  | 3.5"       |
| Lip:     | .5"        |
| Lengths: | 6' - 60'   |
| Gauges:  | 16, 14, 12 |

### Name Breakdown

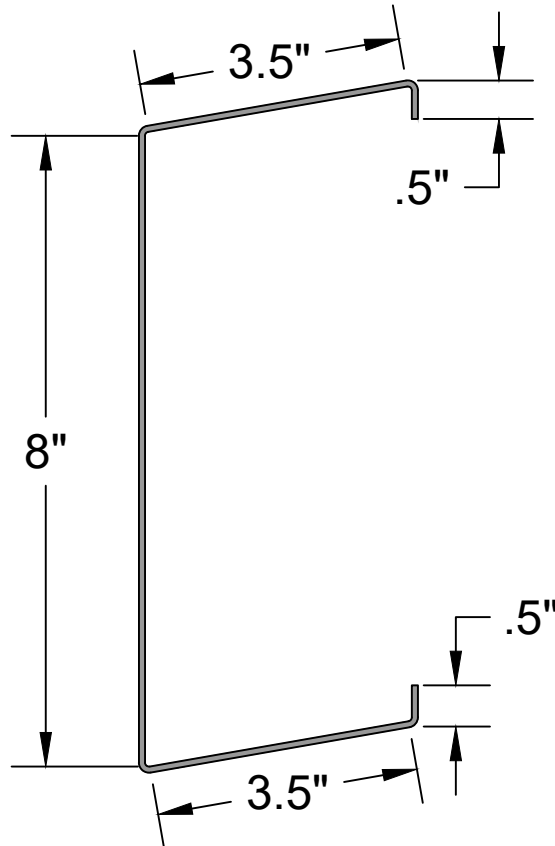
|                                  |            |                               |                |
|----------------------------------|------------|-------------------------------|----------------|
| 1050L162 - 43                    |            |                               |                |
| Depth in Inches<br>1050 = 10.50" | Member Key | Flange Height<br>162 = 1.625" | Mill Thickness |

### Member Key

- S** = Stud (C Shaped)
- L** = Lintel (L Shaped)
- T** = Track (U Shaped)
- W** = I-Beam (I Shaped)
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- FI** = Strap/Flat (Flat Shaped)
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| Mill - Gauge | Bend Radius |
|--------------|-------------|
|--------------|-------------|

|                    |       |
|--------------------|-------|
| 25 mill = 24 gauge | .0764 |
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| 33 mill = 20 gauge | .0764 |
| 43 mill = 18 gauge | .0712 |
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| 68 mill = 14 gauge | .1069 |
| 97 mill = 12 gauge | .1325 |



\*Angle of Eave Strut needs to be specified.  
Example has a  $\frac{3}{12}$  pitch.



800DE350

# Steel Members Documentation

## 10" x 3.5" Eave Strut Double Slope



6195 Hwy 52 East  
 Murrayville GA, 30564  
[www.BMMetals.com](http://www.BMMetals.com)  
 Office: (706) 864-6068  
 Fax: (706) 864-2147

### Member specs and limits

|          |            |
|----------|------------|
| Name:    | 1000DE350  |
| Depth:   | 10"        |
| Flange:  | 3.5"       |
| Lip:     | .5"        |
| Lengths: | 6' - 60'   |
| Gauges:  | 16, 14, 12 |

### Name Breakdown

**1050L162 - 43**

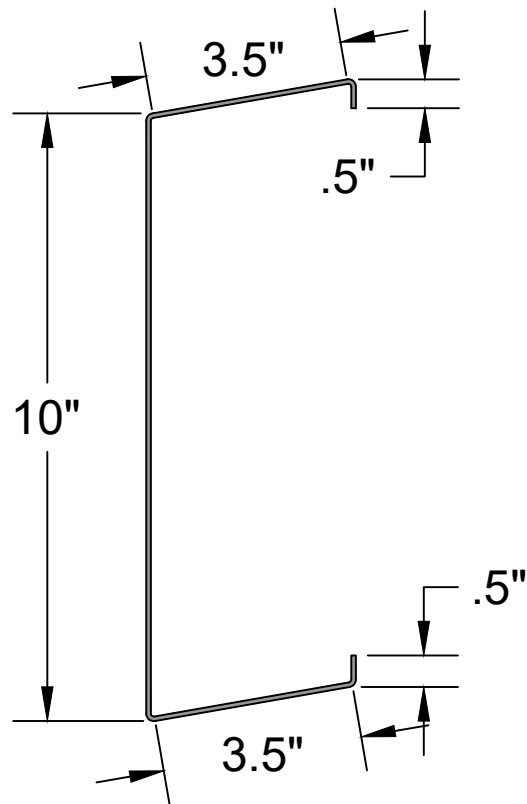
|                                  |            |                               |                |
|----------------------------------|------------|-------------------------------|----------------|
| Depth in Inches<br>1050 = 10.50" | Member Key | Flange Height<br>162 = 1.625" | Mill Thickness |
|----------------------------------|------------|-------------------------------|----------------|

### Member Key

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| Mill - Gauge | Bend Radius |
|--------------|-------------|
|--------------|-------------|

|                    |       |
|--------------------|-------|
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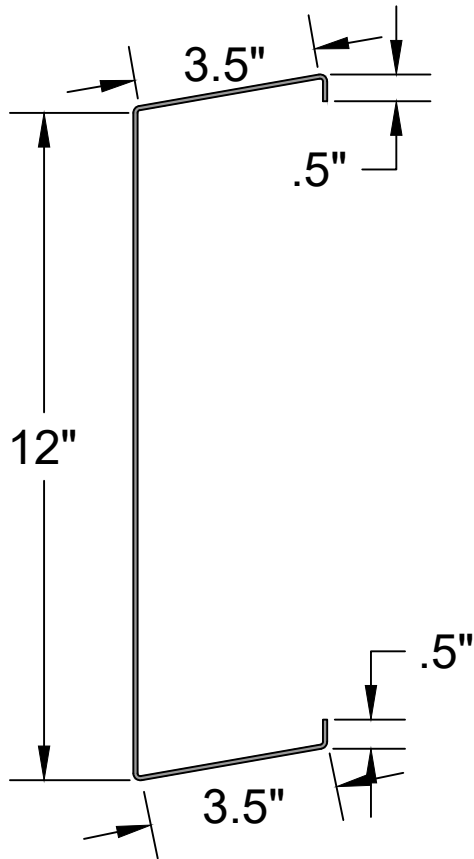
\*Angle of Eave Strut needs to be specified.  
 Example has a  $\frac{3}{12}$  pitch.



1000DE350

# Steel Members Documentation

## 12" x 3.5" Eave Strut Double Slope



\*Angle of Eave Strut needs to be specified.  
Example has a  $\frac{3}{12}$  pitch.



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Office: (706) 864-6068  
Fax: (706) 864-2147

### Member specs and limits

|          |            |
|----------|------------|
| Name:    | 1200DE350  |
| Depth:   | 12"        |
| Flange:  | 3.5"       |
| Lip:     | .5"        |
| Lengths: | 6' - 60'   |
| Gauges:  | 16, 14, 12 |

### Name Breakdown

|                                  |            |                               |                |
|----------------------------------|------------|-------------------------------|----------------|
| 1050L162 - 43                    |            |                               |                |
| Depth in Inches<br>1050 = 10.50" | Member Key | Flange Height<br>162 = 1.625" | Mill Thickness |

### Member Key

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| Mill - Gauge       | Bend Radius |
|--------------------|-------------|
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| 33 mill = 20 gauge | .0764       |
| 43 mill = 18 gauge | .0712       |
| 54 mill = 16 gauge | .0849       |
| 68 mill = 14 gauge | .1069       |
| 97 mill = 12 gauge | .1325       |

1200DE350