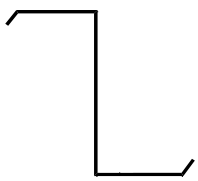
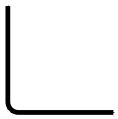
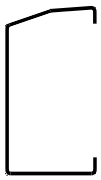
SECONDARY FRAMING

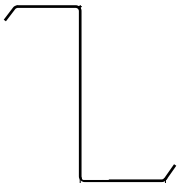
Condensed Technical Reference


Equal Leg Zee

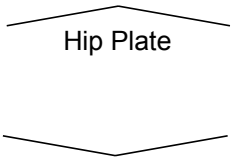

Cee


Angle


Eave Strut


UnEqual Leg Zee


Channel



Valley Plate


Eave Strut

VARIOUS PROFILES

PUNCHING AVAILABLE

GALVANIZED OR RED OXIDE

12, 14 AND 16 GAUGE

CUSTOM LENGTHS

PRODUCT OVERVIEW

- Material:
  - Galvanized per ASTM A 653
    - HSLAS, Grade 55, Class 1, G90
    - Minimum Yield is 55 ksi
    - Minimum Tensile is 70 ksi
    - Minimum 2" Elongation is 11% for all gauges
  - Painted per ASTM A 1011
    - SS, Grade 55, Red Oxide
    - Minimum Yield is 55 ksi
    - Minimum Tensile is 70 ksi
    - Minimum 2" Elongation is 15% for 12 gauge
      14% for 14 gauge
      9% for 16 gauge

- Thickness:

Gauge	Minimum Coated Thickness	Design Thickness*
16	0.057"	0.058"
14	0.067"	0.069"
12	0.099"	0.103"

  * per AISI S100, Section A2.4.

- Length Limits:
  - Zee: 7'-0" to 45'-0" in 1/8" increments
  - Cee: 6'-0" to 45'-0" in 1/8" increments
  - Eave Strut: 6'-0" to 39'-0" in 1/8" increments
  - Channel, Angle and Hip / Valley Plate: 20'-0" standard

metal sales™ manufacturing corporation

SECONDARY FRAMING

Condensed Technical Reference

STANDARD SHAPES

Equal Leg Zee:	**Depth** (inches)	**Flange Width(s)** (inches)	**Depth** (inches)	**Flange Width(s)** (inches)
	4	2 1/2, 3 1/2	6	2 1/2
	8	2 1/2, 3 1/2	9	3, 3 1/2
	10	2 1/2, 3, 3 1/2, 4	12	2 1/2, 3, 3 1/2

UnEqual Leg Zee:	**Depth** (inches)	**Flange Width(s)** (inches)	**Depth** (inches)	**Flange Width(s)** (inches)
	4	2 1/8 & 2 3/8	6	2 1/8 & 2 3/8
	8	2 1/8 & 2 3/8, 3 1/8 & 3 3/8	9	2 5/8 & 2 7/8, 3 1/8 & 3 3/8
	10	2 1/8 & 2 3/8, 2 5/8 & 2 7/8, 3 1/8 & 3 3/8, 3 5/8 & 3 7/8		
	12	2 1/8 & 2 3/8, 2 5/8 & 2 7/8, 3 1/8 & 3 3/8		

Cee:	**Depth** (inches)	**Flange Width(s)** (inches)	**Depth** (inches)	**Flange Width(s)** (inches)
	4	2 1/2, 3 1/2	6	2 1/2, 4
	8	2 1/2, 3 1/2 , 4	9	3, 3 1/2
	10	2 1/2, 3, 3 1/2, 4	12	2 1/2, 3, 3 1/2, 4

Channel:	**Depth** (inches)	**Flange Width(s)** (inches)	**Depth** (inches)	**Flange Width(s)** (inches)
	4 1/8	3	6 1/8	3
	8 1/8	2, 3, 4	9 1/8	2 1/2, 3 1/2, 4
	10 1/8	2, 3, 3 1/2, 4	12 1/8	2, 3 1/2, 4

Eave Strut:	**Depth** (inches)	**Flange Width(s)** (inches)	**Depth** (inches)	**Flange Width(s)** (inches)
	6	3 1/2	8	2 1/2, 3 1/2, 5
	9	3 1/2, 4	10	4
	12	3 1/2		

Styles include: Low Eave - Single Slope, Low Eave - Double Slope, High Eave - Single Slope, High Eave - Double Slope and Universal

Angle:	**Leg 1** (inches)	**Leg 2** (inches)	**Leg 1** (inches)	**Leg 2** (inches)
	2	2	3	2, 3
	4	2	6	4

Hip / Valley Plates:	**Leg 1** (inches)	**Leg 2** (inches)	**Leg 1** (inches)	**Leg 2** (inches)
	7	7	9 1/2	9 1/2
	10	10		

Note: Not all shapes and sizes are available at all branches.

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