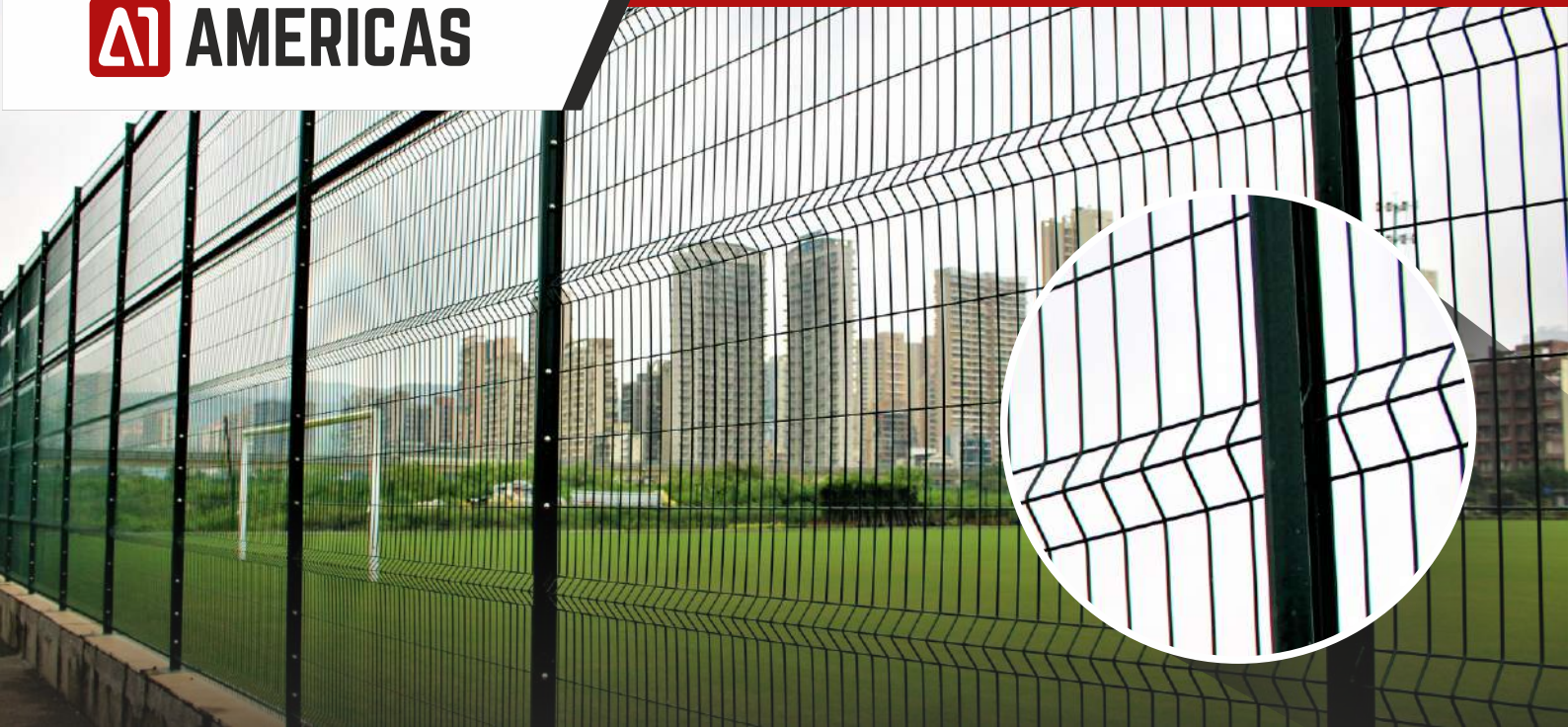




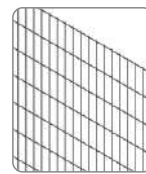
A1 ARC PRIMA

Architectural Welded Mesh Fence System

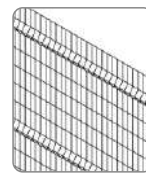
2" x 8"

Engineered for modern perimeter applications requiring aesthetics, durability, and modular performance.

AVAILABLE CONFIGURATIONS



Flat Welded
Mesh Panel



V-Bend
Reinforced Panel



Security Spike/
Pigtail Top

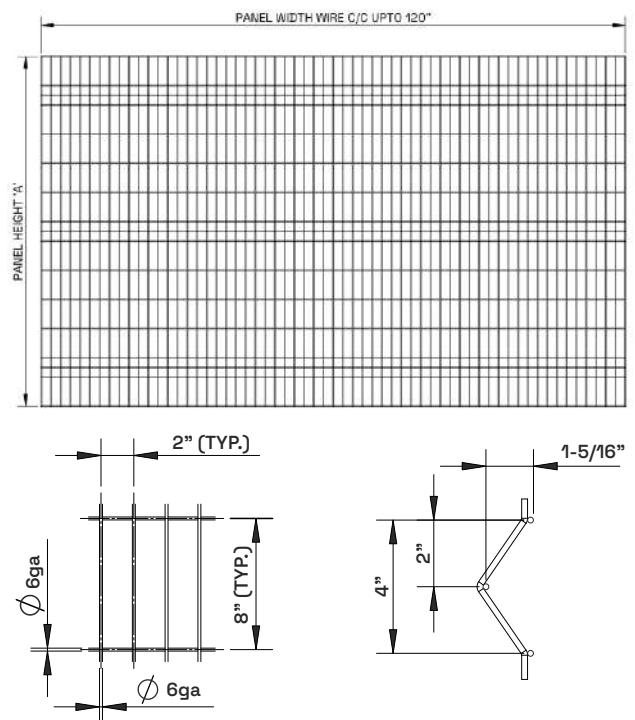


Multiple post
compatibility

WELDED MESH PANEL SPECIFICATIONS

Parameter	Specifications
Mesh Size	2" x 8"
Panel Width	Upto 120"
Panel Heights	48" / 60" / 72" / 84" / 96" / 108" / 120"
Wire Diameter	6 ga (0.192" ±0.003")
Tensile Strength	75–105 KSI
Finish	Galvanized Before Welding (GBW) Galvanized After Welding (GAW) Powder Coated (GBW+PC)
Zinc Coating	Min 0.5 oz/sqft [GBW] Min 1.2 oz/sqft [GAW] 3. min 0.5 oz/sqft [GBW+PC]
Powder Coating Thickness	60-80 microns [2.4-3.15 mils]
Color Options	Black / White / Bronze / Desert Tan / Olive Drab

TECHNICAL DRAWING (2" x 8" VARIANT)



MESH DETAIL VIEW

CODE APPROVALS & PERFORMANCE STANDARDS

A1 Arc Prima fencing systems are manufactured in accordance with recognized ASTM and ISO standards to ensure consistent quality, structural integrity, coating performance, and long-term durability.



ASTM F2919/F2919M

Standard Specification for Welded Wire Mesh Fence Fabric (Metallic-Coated or Polymer Coated) with Variable Mesh Patterns or Meshes Greater than 6 in.2 [3871 mm²] in Panels



ASTM A641/A641M

Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire



ASTM A653/A653M

Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process



ASTM A90/A90M

Standard Test Method for Weight [Mass] of Coating on Iron and Steel Articles with Zinc or Zinc-Alloy Coatings



A123/A123M

Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products



ASTM A853

Standard Specification for Steel Wire, Carbon, for General Use



ASTM A1064/A1064M

Standard Specification for Carbon-Steel Wire and Welded Wire Reinforcement, Plain and Deformed, for Concrete



ASTM B117

Standard Practice for Operating Salt Spray (Fog) Apparatus



ASTM D523

Test Method for Specular Gloss



ASTM D3359

Test Method for Measuring Adhesion by Tape Test



ASTM D2794

Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)



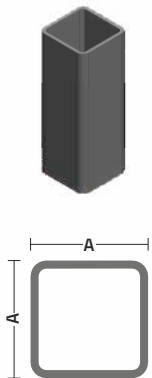
ISO 2178

Non-Magnetic Coatings on Magnetic Substrates—Measurement of Coating Thickness—Magnetic

FENCE POST OPTIONS

SQUARE POST



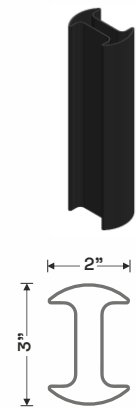


SIZES: 2"-4"

Parameter	Specifications
Section Type	HSS [Hollow Structural Section]
Sizes	2"-4"
Lengths	84" / 96" / 108" / 132" / 144" / 180"
Mounting	Embedded / Base Plate
Zinc Coating	Min. 0.6 oz/sqft
Finish	Polyester Powder Coated
Post Cap	Metal/ PVC

H PROFILE POST



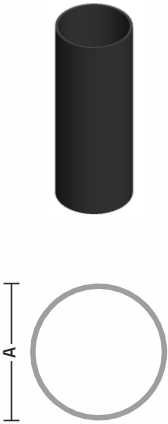


SIZES: 2"x3"

Parameter	Specifications
Section Type	Hollow H Profile
Size	2"x3"
Post Length	84" / 96" / 108" / 132" / 144" / 180"
Zinc Coating	Min. 0.4 oz/sqft
Mounting	Embedded / Base Plate
Finish	Polyester Coated
Post Cap	PVC Post Cap
Coating Thickness	60-80 microns

CHS POST

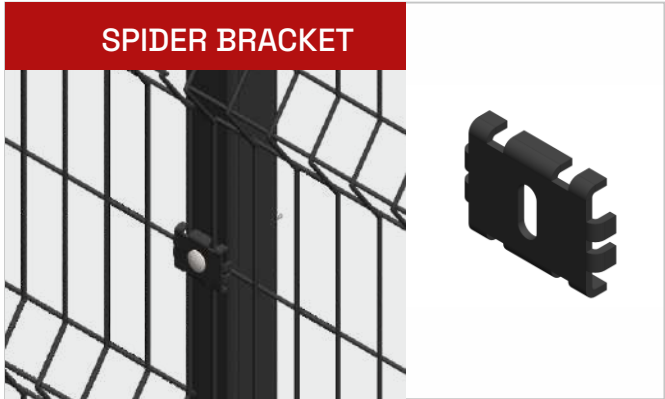




SIZES: 2-3/8", 3", 3-1/2"

Parameter	Specifications
Section Type	Circular Hollow Section
Sizes	2-3/8", 3", 3-1/2"
Post Length	84" / 96" / 108" / 132" / 144" / 180"
Mounting	Embedded / Base Plate
Zinc Coating	Min. 1.2 oz/sqft
Finish	Polyester Powder Coated
Coating Thickness	60-80 microns
Post Cap	Metal

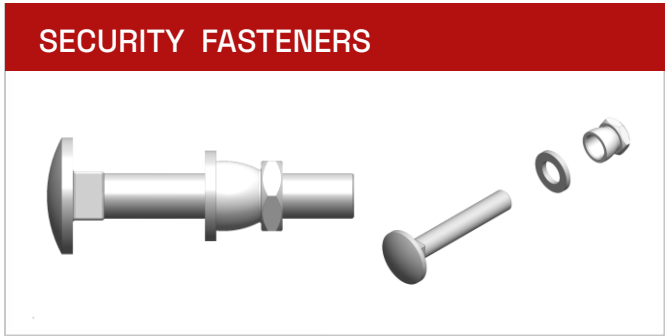
SYSTEM ACCESSORIES & HARDWARE



Parameter	Specifications
Compatible Posts	Square & H Profile
Size	2"-4" HSS
Finish	Polyester Coated
Zinc Coating	Min. 0.6 oz/sqft
Coating Thickness	60-80 microns



Parameter	Specifications
Compatible Posts	CHS
Sizes	2-3/8" & 3"
Finish	Polyester Coated
Zinc Coating	Min. 0.6 oz/sqft
Coating Thickness	60-80 microns



Parameter	Specifications
Type	Carriage Bolt with Breakaway Nut
Diameter	5/16"
Bolt Length	1-3/8" / 2" / 3-1/2" / 4-6/8" / 6-1/4:"
Finish	Stainless Steel 304

SYSTEM COMPATIBILITY

A1 Arc Prima is engineered to integrate seamlessly with Square, Round (CHS), and H Profile post systems, ensuring secure panel attachment, faster installation, and long-term performance.



SECURE
CONNECTION



MODULAR
INSTALLATION



CORROSION
RESISTANT



LOW
MAINTENANCE

CHOSEN FOR PROJECTS WHERE LOOKS & LONGEVITY MATTERS



ASTM
COMPLIANT



BUILD AMERICA
BUY AMERICA



MANUFACTURED IN
HOUSTON, TEXAS



LIMITED 10 YEARS
WARRANTY



QR CODE TO
PRODUCT PAGE

