

WIREWORKS ANTI-CLIMB®



HIGH SECURITY WELDED WIRE MESH FENCE

WireWorks Anti-Climb is a unique perimeter security system that *maintains a guarded display of visual screening* balancing the need to delay and deter an attack. WireWorks Anti-Climb combines a mesh that *discourages cutting and climbing* with framework that *can support a total security platform*.

DESIGN INTEGRATION

The WireWorks Anti-Climb framework can be used as a raceway for wiring, conduits, and/or security cabling required around the perimeter of a project. This integrated design eliminates the need for costly trenching and boring becoming a value added solution for perimeter security upgrades.

When installing these security elements use WireWorks as a platform:



- ▶ **Communication & Video Cables**
- ▶ **Intrusion Detection / Fiber Optic Cables**
- ▶ **Access Control Wiring**
- ▶ **Conduits**
- ▶ **Anti-Ram Cabling (Stalwart)**

PRIMARY APPLICATIONS

- ▶ **Petroleum & Chemical Facilities**
- ▶ **Power Plants & Substations**
- ▶ **Manufacturing Plants**
- ▶ **Military Sites**
- ▶ **Government Facilities**
- ▶ **Airports**
- ▶ **Railway**



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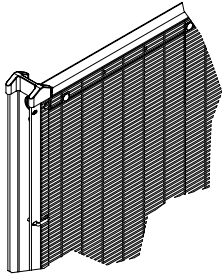
AMERISTAR®

ASSA ABLOY

WIREWORKS ANTI-CLIMB®

HIGH SECURITY WELDED WIRE STEEL FENCE

3" x .5" x 10.5"ga WIRE PANELS | 2" x 2" x 11ga RAILS | 3" x 2.75" x 12ga I-BEAM POSTS



ANTI-CLIMB / ANTI-CUT DESIGN





The tightly fabricated structure of the welded wire mesh used for WireWorks Anti-Climb is specifically designed to give potential intruders an elevated level of deterrence. The tight spacing of the wire mesh makes getting a hand and foothold for scaling virtually impossible. The minimal spacing between each welded wire strand makes it difficult to cut yet still provides increased visibility for a secure perimeter.



PERMACOAT™ PROTECTIVE FINISH

Ameristar's production facilities use a state-of-the-art polyester powder coating system that provides a durable and scratch resistant finish. WireWorks Anti-Climb is protected with Ameristar's PermaCoat multi-layer coating process. The combination of these layers delivers a system that increases weathering resistance and product durability. The Ameristar coating system results in finished surfaces with unmatched performance.



-  "No-Mar" Polyester Color Coat
-  Epoxy Powder Coat
-  Zinc Phosphate
-  Galvanized Steel



10 YEAR LIMITED WARRANTY

The family of WireWorks welded steel fencing products are manufactured from the highest quality materials by skilled craftsmen to meet the highest standards of workmanship in the industry. This is why Ameristar proudly offers a limited 10 year warranty.



DOMESTIC MANUFACTURING

Ameristar is committed to providing products that are manufactured in the USA. We have made significant investments in technology, process improvement, and employee training in an effort to secure American jobs and combat inferior import products.

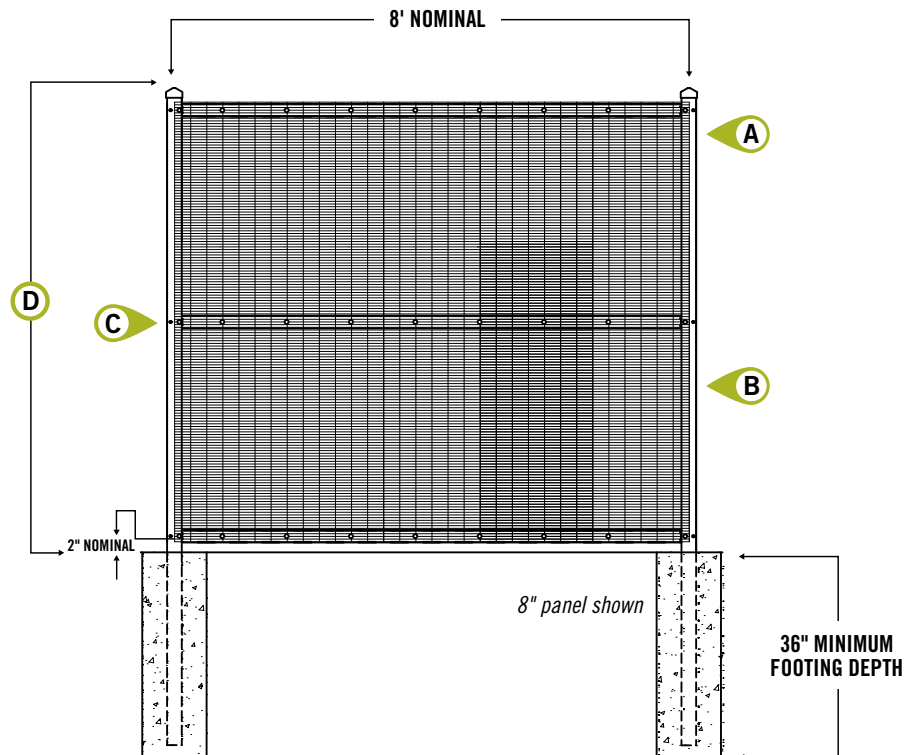


FENCE PRODUCTS

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WIREWORKS ANTI-CLIMB® | 3-RAIL WELDED WIRE PANELS



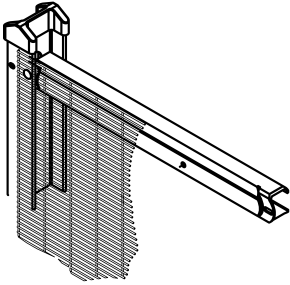
- Ⓐ 3" x 2.75" x 12ga / 4" x 2.75" x 11ga I-BEAM POST OPTIONS
- Ⓑ 3" x 0.5" x 10.5ga ANTI-CLIMB MESH
- Ⓒ 2"sq x 11ga IMPASSE II RAILS
- Ⓓ 8' PANEL HEIGHTS *(additional heights available upon request)*

*Refer to construction specification & tables
within this section for product details*

Effective: 01/06/15

WIREWOKS ANTI-CLIMB® | 3-RAIL WELDED WIRE PANELS

8' PANEL LENGTH (96" actual width) | 3" x .5" x 10.5ga. WELDED WIRE MESH



PANEL	ITEM NUMBER	WEIGHT	STOCKING
8'	M⊗88PK*	128 lbs	⊙

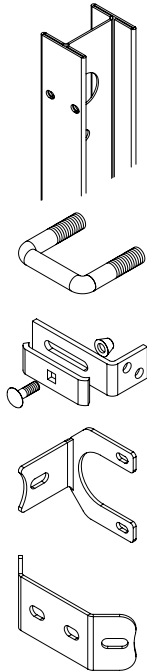
*Each kit includes: (1) 8' x 8' Panel (5WAB0808) | (3) 8' Rails (3BR95) | (18) .3125" x 1" Carriage Bolts | (18) .3125" Security Nuts (B77484) | (18) .3125" Square Retainers (HB621)

⊗ = COLOR OPTIONS AVAILABLE | **B** = Black **G** = Green **N** = Bronze **S** = Sand **TB** = Tube Brown

⊙ = NON-STOCKED PRODUCT

For details, see Ameristar's Sales Policy in the catalog guide.

WIREWOKS ANTI-CLIMB® | I-BEAM POST & BRACKETS



DESCRIPTION	ITEM NUMBER	WEIGHT
3" x 2.75" x 12 ga. I-Beam Posts	3P⊗3132W-31	50 lbs

Includes cast aluminum cap.

DESCRIPTION	ITEM NUMBER	WEIGHT
Line / End Post I-Beam Kit	M⊗88L	2 lbs

Each kit includes: (4) .3125" U-Bolts (BB608) | (6) .3125" x 1" Carriage Bolts | (14) .3125" Security Nuts (B77484)

Gate Post to Mesh Bracket	W⊗GBS	.9 lbs
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For securing mesh to gate post between rails. (4) per post recommended.

Gate Post to Rail Bracket Kit	B⊗606	.5 lbs
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Each kit includes: (1) Impasse II Flat Mount Bracket | (2) .25" x .75" Tek-Screws
Gate post to rail attachments require use of gate post to mesh bracket fastener set.

Corner Post I-Beam Kit	M⊗88C	5 lbs
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Each kit includes: (7) Corner Brackets / #BB607 | (28) .3125" x 1" Carriage Bolts | (28) .3125" Security Nuts / #B77484 | (8) .3125" Square Retainers #HB621

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WIREWOKS ANTI-CLIMB® | FASTENERS & ACCESSORIES

DESCRIPTION	SIZE	ITEM NUMBER	BAG QTY	BOX QTY	WEIGHT
Welded Wire Mesh to Framework Fastener Set	N/A	M⊗88F	6	n/a	1 lbs
<i>Each set includes: (6) .3125" x 1" Carriage Bolts (6) .3125" Security Hex Nuts (B77484) (6) .3125" (HB621)</i>					



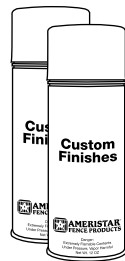
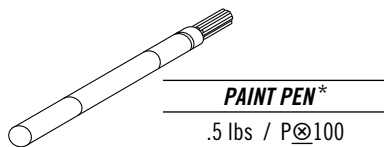
DESCRIPTION	SIZE	ITEM NUMBER	BAG QTY	BOX QTY	WEIGHT
Security Nut	.3125"	B77484RP-20	20	n/a	.4 lbs
Fastener Socket	n/a	8865PFG	1	n/a	.06 lbs
<i>Tamper-proof fasteners require socket for installation</i>					



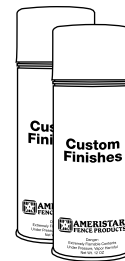
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 For details, see Ameristar's Sales Policy in the catalog guide.

WIREWOKS ANTI-CLIMB® | CUSTOM FINISHES

WARRANTY ON RAILS CUT VOID WITHOUT PROPER APPLICATION OF ZINC RICH PRIMER & TOUCH-UP PAINT PENS



SPRAY PAINT
1.1 lbs / F⊗100

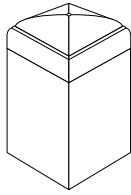


ZINC-RICH PRIMER
1.1 lbs / FZ100

⊗ = **COLOR OPTIONS AVAILABLE** | **B** = Black **N** = Bronze **TB** = Tube Brown **S** = Sand **G** = Green
 *PAINT PENS only available in BLACK, BRONZE or SAND

Effective: 01/06/15

WIREWOKS ANTI-CLIMB® | STEEL SQUARE POSTS



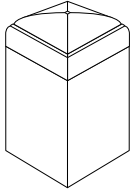
STEEL POSTS

	POST LENGTH	ITEM NUMBER	WEIGHT
2.5"sq. x 12ga.	6'	P⊗ 25072	19 lbs
	7'	P⊗ 25084	22 lbs
	8'	P⊗ 25096	26 lbs
	9'	P⊗ 25108	28 lbs
	10'	P⊗ 25120	31 lbs
	11'	P⊗ 25132	35 lbs
3"sq. x 12ga.	12'	P⊗ 25144	36 lbs
	6'	P⊗ 30072	24 lbs
	7'	P⊗ 30084	30 lbs
	8'	P⊗ 30096	34 lbs
	9'	P⊗ 30108	39 lbs
	10'	P⊗ 30120	43 lbs
4"sq. x 11 ga.	11'	P⊗ 30132	47 lbs
	12'	P⊗ 30144	51 lbs
	6'	P⊗ 40072	39 lbs
	7'	P⊗ 40084	47 lbs
	8'	P⊗ 40096	54 lbs
	9'	P⊗ 40108	61 lbs
6"sq. x .1875" wall	10'	P⊗ 40120	67 lbs
	11'	P⊗ 40132	74 lbs
	12'	P⊗ 40144	81 lbs
	7'	P⊗ 60084	102 lbs
	8'	P⊗ 60096	116 lbs
	9'	P⊗ 60108	131 lbs
	10'	P⊗ 60120	145 lbs
	11'	P⊗ 60132	160 lbs
	12'	P⊗ 60144	174 lbs

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TB = Tube Brown

Effective: 01/06/15

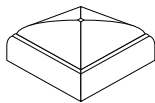
WIREWORKS ANTI-CLIMB® | STEEL PLATED SQUARE POSTS & POST CAPS



STEEL POSTS

	POST LENGTH	PLATE SIZE	ITEM NUMBER	WEIGHT
2.5"sq. x 12ga.	4'	5" sq. x .25" / .563" holes (8833G)	P⊗ 25048P	16 lbs
	5'	5" sq. x .25" / .563" holes (8833G)	P⊗ 25060P	19 lbs
	6'	5" sq. x .25" / .563" holes (8833G)	P⊗ 25072P	22 lbs
	7'	5" sq. x .25" / .563" holes (8833G)	P⊗ 25084P	26 lbs
	8'	5" sq. x .25" / .563" holes (8833G)	P⊗ 25096P	28 lbs
	9'	5" sq. x .25" / .563" holes (8833G)	P⊗ 25108P	31 lbs
3"sq. x 12ga.	10'	5" sq. x .25" / .563" holes (8833G)	P⊗ 25120P	34 lbs
	4'	6" sq. x .25" / .563" holes (5003G)	P⊗ 30048P	20 lbs
	5'	6" sq. x .25" / .563" holes (5003G)	P⊗ 30060P	24 lbs
	6'	6" sq. x .25" / .563" holes (5003G)	P⊗ 30072P	30 lbs
	7'	6" sq. x .25" / .563" holes (5003G)	P⊗ 30084P	34 lbs
	8'	6" sq. x .25" / .563" holes (5003G)	P⊗ 30096P	39 lbs
4"sq. x 11ga.	9'	6" sq. x .25" / .563" holes (5003G)	P⊗ 30108P	43 lbs
	10'	6" sq. x .25" / .563" holes (5003G)	P⊗ 30120P	47 lbs
	4'	8" sq. x .25" / .563" holes (8876G)	P⊗ 40048P	33 lbs
	5'	8" sq. x .25" / .563" holes (8876G)	P⊗ 40060P	39 lbs
	6'	8" sq. x .25" / .563" holes (8876G)	P⊗ 40072P	47 lbs
	7'	8" sq. x .25" / .563" holes (8876G)	P⊗ 40084P	54 lbs
	8'	8" sq. x .25" / .563" holes (8876G)	P⊗ 40096P	61 lbs
	9'	8" sq. x .25" / .563" holes (8876G)	P⊗ 40108P	67 lbs
	10'	8" sq. x .25" / .563" holes (8876G)	P⊗ 40120P	74 lbs

⊗ = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze **S** = Sand



STANDARD FLAT CAP

Steel

CAP SIZE	ITEM NUMBER	WEIGHT
2.5"sq.	A⊗ 507	.3 lbs
3"sq.	A⊗ 508	.3 lbs
4"sq.	A⊗ 509	.4 lbs
6"sq.	A⊗ 515	.8 lbs
8"sq.	A⊗ 801	.2 lbs

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Effective: 01/06/15

WIREWORKS ANTI-CLIMB® | CONSTRUCTION SPECIFICATION 32 31 00**HIGH SECURITY WELDED WIRE ARCHITECTURAL FENCE SYSTEM****PART 1 - GENERAL****1.01 WORK INCLUDED**

The contractor shall provide all labor, materials and appurtenances necessary for installation of the commercial welded wire architectural fence system defined herein at (*specify project site*).

1.02 RELATED WORK

Section ____ - Earthwork

Section ____ - Concrete

1.03 SYSTEM DESCRIPTION

The manufacturer shall supply a total commercial welded wire architectural fence system of the Ameristar® WireWorks Anti Climb® design. The system shall include all components (*i.e., panels, brackets, posts, gates and hardware*) required.

1.04 QUALITY ASSURANCE

The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and materials and techniques specified.

1.05 REFERENCES

- **ASTM A653/A653M** – Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process
- **ASTM B117** – Practice for Operating Salt-Spray (Fog) Apparatus
- **ASTM D523** – Test Method for Specular Gloss
- **ASTM D714** – Test Method for Evaluating Degree of Blistering in Paint
- **ASTM D822** – Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus
- **ASTM D1654** – Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments
- **ASTM D2244** – Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates
- **ASTM D2794** – Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact)
- **ASTM D3359** – Test Method for Measuring Adhesion by Tape Test
- **ASTM F2453/F 2453M** – Standard Specification for Welded Wire Mesh Fence Fabric

1.06 SUBMITTAL

The manufacturer's submittal package shall be provided prior to installation.

1.07 PRODUCT HANDLING AND STORAGE

Upon receipt at the job site, all materials shall be checked to ensure that no damages occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism and theft.

PART 2 - MATERIALS**2.01 MANUFACTURER**

The fence system shall conform to Ameristar WireWorks Anti-Climb design by Ameristar Fence Products, Inc. in Tulsa, Oklahoma.

2.02 MATERIAL

- A.** Steel material for fence posts and rails shall be galvanized prior to forming in accordance with the requirements of **ASTM A653/A653M**, with minimum yield strength of 45,000 psi (310 MPa). The steel shall be hot-dip galvanized to meet the requirements of **ASTM A653/A653M** with a minimum zinc coating weight of 0.90 oz/ft², Coating Designation G-90. Fence posts and gate posts shall meet the minimum size requirements of **Table 1**.
- B.** Steel wire mesh fence panels shall be welded by resistance welding per **ASTM A185** using pre-galvanized steel wire, welded at each crossing to form rectangles. Vertical 10.5ga. (0.128 inches) wires shall be spaced at 3 inches; horizontal 10.5ga. (0.128 inches) wires shall be spaced at .5 inches. The cold rolled wire shall have a tensile strength of at least 74,000 psi and 68,000 psi shear strength. Wire strand shall be galvanized before welded (GBW), .050 ounces per square foot zinc coating conforming to the **ASTM A641**.
- C.** The cross-sectional shape of the rails shall conform to the manufacturer's Impasse II™ C-rail design, a nominal 2" x 2" x 11 Ga. Tamperproof fasteners shall be used to fasten each wire mesh retaining bracket to rail at intervals not exceeding 18"s. Posts shall conform to the manufacturer's Impasse II I-Beam design with a nominal 3" x 2.75" x 12 Ga.

2.03 FABRICATION

- A.** Wire mesh panels and posts shall be precut to specified lengths. Panel width shall be no greater than 96" wide.
- B.** The manufactured fence system (*i.e., panels, brackets, posts, gates and hardware*) shall be subjected to the PermaCoat® thermal stratification coating process (*high-temperature, in-line, multi-stage, multi-layer*) including, as a minimum, a six-stage pretreatment/wash (*with zinc*

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WIREWORKS ANTI-CLIMB® | CONSTRUCTION SPECIFICATION 32 31 00

HIGH SECURITY WELDED WIRE ARCHITECTURAL FENCE SYSTEM

phosphate), an electrostatic spray application of an epoxy base, and a separate electrostatic spray application of a polyester finish. The base coat shall be a thermosetting epoxy powder coating (*gray in color*) with a minimum thickness of 2 mils (0.0508mm). The topcoat shall be a “no-mar” TGIC polyester powder coat finish with a minimum thickness of 2 mils (0.0508mm). The color shall be (*specify Black, Bronze, White, Desert Sand, Green, or Brown*). The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in **Table 2**.

- C. Swing gates shall be fabricated using 2" x 12ga square rails and gate ends. Gates that exceed 6' in width will have a 2" sq. x 12ga. intermediate upright. All rail and upright intersections shall be joined by welding. All rail, upright, and gate end intersections shall also be joined by welding. Steel gussets (1/4" x 2") shall be welded at each rail to gate end and rail to intermediate intersections. Gusset shall be punched to accept gate trussing cable and turnbuckle.

PART 3 - EXECUTION

3.01 PREPARATION

All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 FENCE INSTALLATION

Fence post shall be spaced according to **Table 3**, plus or minus ¼". For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence panels shall be attached to the line and end posts with fasteners supplied by the manufacturer. Attachment to corner post shall be made using brackets and fasteners supplied by the manufacturer (**See Figure 1**). Posts shall be set in concrete footers having a minimum depth of 36" (*Note: In some cases, local restrictions of freezing weather conditions may require a greater depth*). The “Earthwork” and “Concrete” sections of this specification shall govern material requirements for the concrete footer. Posts setting by other methods such as plated posts or grouted core-drilled footers are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

3.03 FENCE INSTALLATION MAINTENANCE

When cutting/drilling rails or posts adhere to the following steps to seal the exposed steel surfaces; 1) Remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. Ameristar spray cans or paint pens shall be used to prime and finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufactures' warranty.

3.04 GATE INSTALLATION

Gate posts shall be spaced according to the manufacturers' gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. Type and quantity of gate hinges shall be based on the application; weight, height, and number of gate cycles. The manufacturers' gate drawings shall identify the necessary gate hardware required for the application. Gate hardware shall be provided by the manufacture of the gate and shall be installed per manufacturer's recommendations.

3.05 CLEANING

The contractor shall clean the jobsite of excess materials; post-hole excavations shall be scattered uniformly away from posts.

SEE REFERENCED TABLES ON THE FOLLOWING PAGE

Effective: 01/06/15

WIREWORKS ANTI-CLIMB® | CONSTRUCTION SPECIFICATION 32 31 00

HIGH SECURITY WELDED WIRE ARCHITECTURAL FENCE SYSTEM

TABLE 1

MINIMUM SIZES FOR WIREWORKS ANTI-CLIMB POSTS				
FENCE POSTS		PANEL HEIGHTS		
3" x 2.75" x 12 ga. I-Beam		up to and including 8' height		
4" x 2.75" x 11 ga. I-Beam.		over 8' height up to 10' height		
GATE LEAF	GATE HEIGHT			
	up to & including 6'	Over 6' to 8'	Over 8' to 10'	Over 12'
up to 4'	3" x 12 gauge	3" x 12 gauge	4" x 11 gauge	4" x 11 gauge
4'1" to 6'	3" x 12 gauge	3" x 12 gauge	4" x 11 gauge	4" x 11 gauge
6'1" to 8'	4" x 11 gauge	6" x 3/16"	6" x 3/16"	6" x 3/16"
8'1" to 10'	4" x 11 gauge	6" x 3/16"	6" x 3/16"	6" x 3/16"
10'1" to 12'	6" x 3/16"	6" x 3/16"	6" x 3/16"	8" x 1/4"
12'1" to 16'	6" x 3/16"	6" x 3/16"	8" x 1/4"	8" x 1/4"

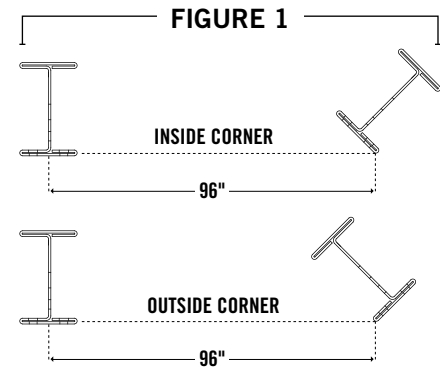


TABLE 2

COATING PERFORMANCE REQUIREMENTS		
QUALITY CHARACTERISTICS	ASTM TEST METHOD	PERFORMANCE REQUIREMENTS
ADHESION	D3359 – METHOD B	Adhesion (retention of coating) over 90% of test area (tape and knife kit test).
CORROSION RESISTANCE	B117, D714, D1654	Corrosion resistance over 3,500 hours (scribed per D1654; failure mode is accumulation of 1/8" coating loss from scribe or medium #8 blisters)
IMPACT RESISTANCE	D2794	Impact resistance over 60" lb. (forward impact using 0.625" ball).
WEATHERING RESISTANCE	D822 D2244, D523 (60° method)	Weathering resistance over 1,000 hours (failure mode is 60% loss of gloss or color variance of more than 3 delta-E color units).

TABLE 3

WIREWORKS ANTI-CLIMB POST SPACING BY BRACKET TYPE	
SPAN	8' Nominal (95" rail)
POST SIZE	3" x 2 3/4" x 12 ga. I-Beam
POST SETTINGS ± 1/4" O.C.	96"

TABLE 4

WIREWORKS ANTI-CLIMB WIND LOADING					
FENCE HEIGHT	RAIL LENGTH	RAIL QUANTITY	I-POST SIZE	WIND LOAD CAPACITY FACTOR (PSF)	TYPICAL WIND LOAD CAPACITY (MPH)
8'	8'	3	3" x 2 3/4" x 12 ga.	20.5 (PSF)	90.2 (MPH)
			4" x 2 3/4" x 11 ga.	31.5 (PSF)	123.3 (MPH)

MPH values shown in Table 4 are provided for information only. They are calculated using ANSI/ASCE 7-05, "American Society of Civil Engineers Minimum Design Loads for Buildings and Other Structures" Exposure Category C (open terrain with scattered obstructions having lengths generally less than 30 feet), based on post setting in 36" deep concrete footer in soil assumed to be of mid-range strength and compaction. Since specified project conditions such as jurisdictional building codes, elevation of installation, post base/footer design, soil strength, etc., may change from project to project, a structural engineering evaluation, unique to applicable requirements and conditions, should be performed. Consult your Ameristar Service Representative for an estimate on Engineering Analysis and P.E. Certification.

Effective: 01/06/15

WIREWORKS ANTI-CLIMB® | LIMITED WARRANTY

HIGH SECURITY FENCE

The WireWorks Anti-Climb® High Security Welded Wire Architectural Fence System by AMERISTAR® is manufactured from the highest quality materials by skilled craftsmen to meet the highest standards of workmanship in the industry. Galvanized steel framework shall be subject to a six stage pretreatment/wash (*with zinc phosphate*) followed by an electrostatic spray application of the PermaCoat® Color System, a two coat powder system. The base coat is a thermosetting epoxy powder coating (*gray in color*). The top coat is a “no-mar” TGIC polyester powder coat finish, which provides the protection necessary to withstand adverse environmental conditions.

The powder coated surface on all framework (*i.e., pales, rails and posts*) by AMERISTAR is guaranteed under normal and proper usage, against cracking, peeling, chipping, blistering or corroding for a period of ten (10) years from the original purchase date. Normal and proper usage does not include physical damage, abrasion or exposure to salty environments to the protective coating.

WireWorks Anti-Climb High Security Welded Wire Architectural Fence System framework is also guaranteed for the same period of time against defects in workmanship or materials.

Should any WireWorks Anti-Climb fence framework manufactured by AMERISTAR Fence Products fail in accordance with any of the above conditions, AMERISTAR Fence Products warrants to the original purchaser their redemption through replacement, renewal or issuance of a pro-rated credit. The decision as to which method of redemption is allowed is solely at the discretion of AMERISTAR. If pro-rated allowance is the chosen alternative, the amount will be based on the total number of years under warranty from date of purchase to date of claim, based on the original cost of framing materials found to be defective. Notice of failure under the conditions of this warranty shall be sent to AMERISTAR Fence Products or its authorized representative, in writing, together with proof of purchase and shall specify the nature of the defect and when it was first observed. When cutting WireWorks Anti-Climb rails immediately seal the exposed surfaces by 1) Removing all metal shavings from cut area 2) Apply zinc-rich primer to thoroughly cover cut edge and drilled hole; let dry 3) Apply 2 coats of custom finish spray paint matching fence color. Failure to seal exposed surfaces per steps 1-3 above will negate warranty. If contractor uses non Ameristar parts/components this will negate the warranty. Should the fence be improperly installed, AMERISTAR Fence Products shall not be responsible for guaranteed performance or appearance of the material. Neither does this guarantee apply when failure or damage is due to improper use or application, abuse or misuse, salty environments, vandalism or acts of God. AMERISTAR Fence Products reserves the right to inspect the material to determine validity of the claim.

Upon validation of the claim by AMERISTAR Fence Products or its authorized representative, redemption by replacement, renewal or issuance of a pro-rated credit shall be made by AMERISTAR Fence Products. Reimbursement for the costs of removal and installation of materials are not included in the guarantee, nor will AMERISTAR Fence Products provide those services.

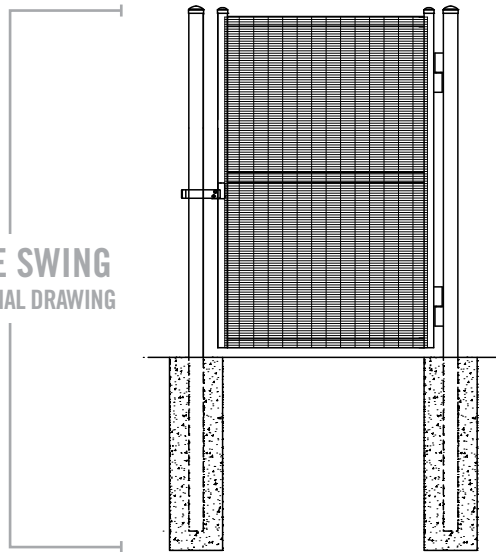
The above constitutes the complete warranty by the manufacturer. No other agreement, written or implied, is valid. AMERISTAR Fence Products does not authorize any other person or agent to make any other express warranties. AMERISTAR Fence Products neither assumes nor authorizes any other person or agent to assume any other liability in connection with the WireWorks Anti-Climb High Security Welded Wire Architectural Fence System. Some jurisdictions do not allow limitations on how long an implied warranty lasts, nor do they allow an exclusion or limitation of incidental or consequential damages; therefore, the limitations and exclusions noted herein may not apply.

Effective: 01/06/15

WIREWOKS ANTI-CLIMB® | SINGLE SWING GATE SPECIFICATIONS

2"sq x 12ga GATE ENDS | 2"sq x 12ga RAILS | 3"x .5"x 10.5ga WELDED WIRE | 3.5' - 16' NOMINAL OPENINGS

SINGLE SWING DIMENSIONAL DRAWING



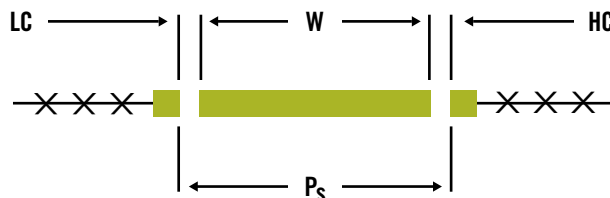
HGBS-25 / HGBS-3
180 HINGE & STRONG
ARM LATCH KITS

IGBS-25 / IGBS-3
INDUSTRIAL 180
HINGE & STRONG ARM
LATCH KIT

SINGLE SWING
HARDWARE KITS & POST
INTERSPACES

OPENING	LEAF WIDTH*	HC	LC	P _S	HC	LC	P _S
3.5'	42"	1.25"	3"	46.25"	1.5"	3"	46.5"
4'	48"	1.25"	3"	52.25"	1.5"	3"	52.5"
5'	60"	1.25"	3"	64.25"	1.5"	3"	64.5"
6'	72"	1.25"	3"	76.25"	1.5"	3"	76.5"
7'	84"	1.25"	3"	88.25"	1.5"	3"	88.5"
8'	96"	1.25"	3"	100.25"	1.5"	3"	100.5"
9'	108"	1.25"	3"	112.25"	1.5"	3"	112.5"
10'	120"	1.25"	3"	124.25"	1.5"	3"	124.5"
11'	132"	1.25"	3"	136.25"	1.5"	3"	136.5"
12'	144"	1.25"	3"	148.25"	1.5"	3"	148.5"
13'	156"	1.25"	3"	160.25"	1.5"	3"	160.5"
14'	168"	1.25"	3"	172.25"	1.5"	3"	172.5"
15'	180"	1.25"	3"	184.25"	1.5"	3"	184.5"
16'	192"	1.25"	3"	196.25"	1.5"	3"	196.5"

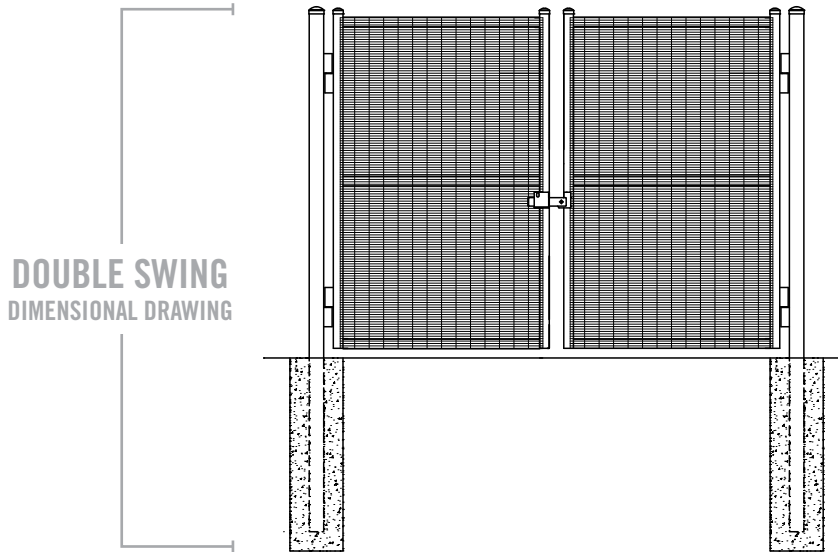
W = width* | HC = hinge clearance | LC = latch clearance | P_S = gate post spacing**
* From outside to outside | ** From inside to inside



Effective: 01/06/15

WIREWORKS ANTI-CLIMB® | DOUBLE SWING GATE SPECIFICATIONS

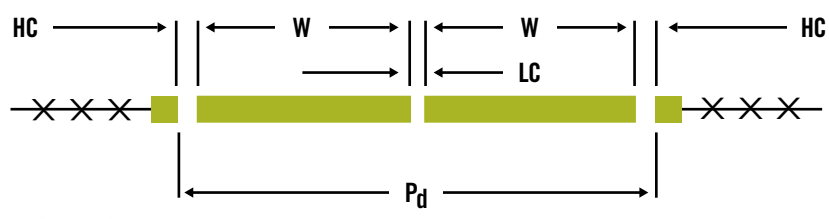
2"sq x 12ga GATE ENDS | 2"sq x 12ga RAILS | 3" x .5" x 10.5ga WELDED WIRE | 7' - 32' NOMINAL OPENINGS



OPENING	LEAF WIDTH*	HGBD 180 HINGE & STRONG ARM LATCH KIT			IGBD INDUSTRIAL 180 HINGE & STRONG ARM LATCH KIT		
		HC	LC	P _d	HC	LC	P _d
7'	42"	1.25"	2"	88.5"	1.5"	2"	89"
8'	48"	1.25"	2"	100.5"	1.5"	2"	101"
10'	60"	1.25"	2"	124.5"	1.5"	2"	125"
12'	72"	1.25"	2"	148.5"	1.5"	2"	149"
14'	84"	1.25"	2"	172.5"	1.5"	2"	173"
16'	96"	1.25"	2"	196.5"	1.5"	2"	197"
18'	108"	1.25"	2"	220.5"	1.5"	2"	221"
20'	120"	1.25"	2"	244.5"	1.5"	2"	245"
22'	132"	1.25"	2"	268.5"	1.5"	2"	269"
24'	144"	1.25"	2"	292.5"	1.5"	2"	293"
26'	156"	1.25"	2"	316.5"	1.5"	2"	317"
28'	168"	1.25"	2"	340.5"	1.5"	2"	341"
30'	180"	1.25"	2"	364.5"	1.5"	2"	365"
32'	192"	1.25"	2"	388.5"	1.5"	2"	389"

W = width (x2)* | HC = hinge clearance (x2) | LC = latch clearance
 P_d = gate post spacing**
 * From outside to outside | ** From inside to inside

DOUBLE SWING
HARDWARE KITS & POST
INTERSPACES



Effective: 01/06/15

WIREWORKS ANTI-CLIMB® | MESH GATES

GATE HARDWARE SOLD SEPARATELY

	OPENING	ITEM NUMBER	WEIGHT	STOCKING
8' HEIGHT	3½'	5WA X 08-42	98 lbs	⊗
	4'	5WA X 08-48	104 lbs	⊗
	5'	5WA X 08-60	116 lbs	⊗
	6'	5WA X 08-72	128 lbs	⊗
	7'	5WA X 08-84	163 lbs	⊗
	8'	5WA X 08-96	175 lbs	⊗
	9'	5WA X 08-108	188 lbs	⊗
	10'	5WA X 08-120	200 lbs	⊗
	11'	5WA X 08-132	222 lbs	⊗
	12'	5WA X 08-144	224 lbs	⊗
	13'	5WA X 08-156	237 lbs	⊗
	14'	5WA X 08-168	249 lbs	⊗
	15'	5WA X 08-180	261 lbs	⊗
	16'	5WA X 08-192	273 lbs	⊗

⊗ = **COLOR OPTIONS AVAILABLE** | **B** = Black **G** = Green **N** = Bronze
S = Sand **TB** = Tube Brown
W = White

⊗ = **NON-STOCKED PRODUCT**

For details, see Ameristar's Sales Policy in the catalog guide.

Effective: 01/06/15

Effective: 01/06/15

WIREWOKS ANTI-CLIMB®

WIREWOKS PLUS®

WIREWOKS ANTI-CLIMB® | HIGH SECURITY WELDED WIRE MESH FENCE

Effective: 01/06/15

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