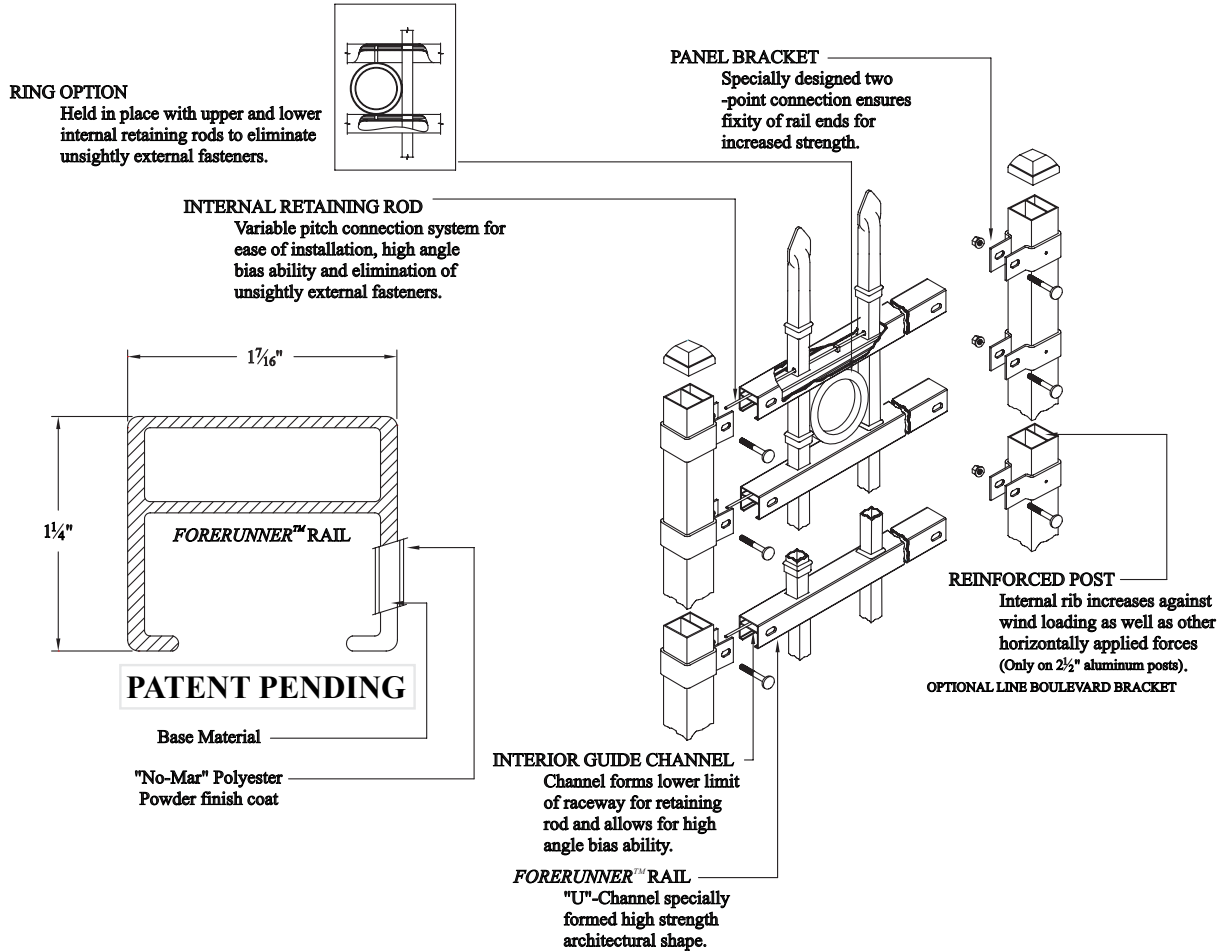


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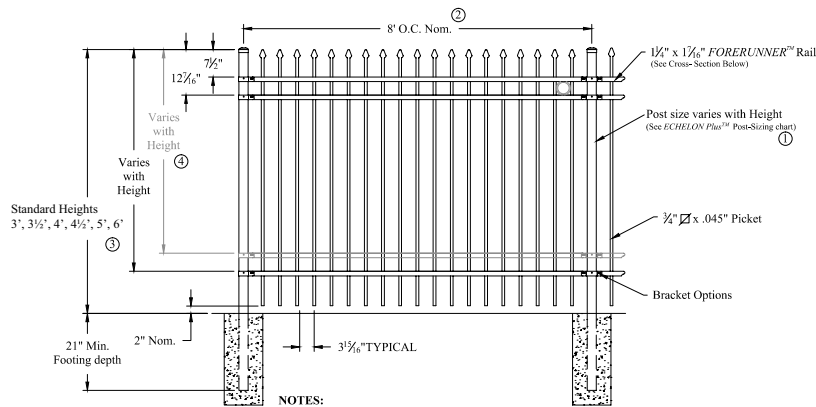
ALUMINUM ORNAMENTAL FENCING

Echelon Plus Rails: 1-7/16" W x 1-1/4" H (.090" side walls / .060" top wall) Echelon Plus Pickets: 3/4" x 3/4" x .045"

QUALITY • SECURITY • STRENGTH • APPEARANCE • MAINTENANCE-FREE



TYPICAL PANEL DRAWING
(Classic Style shown; Majestic, Genesis, Warrior & Conqueror also available)



- NOTES:**
- 1.) Post size depends on fence height and wind loads. See ECHELON Plus™ post sizing chart.
 - 2.) Panels also available for 6" on center post spacing
 - 3.) Additional heights available on request
 - 4.) Fourth rail optional.

See Echelon Plus Specification for Guidelines on Post Spacing by Bracket Type

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PANELS

STANDARD EXTENDED PICKET AND FLUSH BOTTOM PANELS

	3-Rail Standard	3-Rail Flush Bottom	4-Rail Standard	4-Rail Flush Bottom
Classic™				
Majestic™				
Genesis™				
Warrior™				
Conqueror™				

Rail Quantity & Location	Nominal Panel Height	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Panel Weight	Supplemental Information
3-Rail Standard	3'	A * X 3368			21	Non-Stock
	3½'	A * X 3428			23	Non-Stock
	4'	A * X 3488			24	Stock-Black-All Styles
	5'	A * X 3608			27	Stock-Black-All Styles
	6'	A * X 3728			30	Non-Stock
3-Rail Flush Bottom	3'	A * X 3368F			21	Non-Stock
	3½'	A * X 3428F			23	Non-Stock
	4'	A * X 3488F			24	Non-Stock
	5'	A * X 3608F			27	Non-Stock
	6'	A * X 3728F			30	Non-Stock
4-Rail Standard	4'	A * X 4488			29	Non-Stock
	5'	A * X 4608			32	Non-Stock
	6'	A * X 4728			34	Stock-Black-Classic/Majestic
4-Rail Flush Bottom	4'	A * X 4488F			29	Non-Stock
	5'	A * X 4608F			32	Non-Stock
	6'	A * X 4728F			34	Non-Stock

X = COLOR SELECTION: B=BLACK / N=BRONZE / W=WHITE
* = STYLE SELECTION: C=CLASSIC / M=MAJESTIC / G=GENESIS / W=WARRIOR / R=CONQUEROR

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RING PANELS							
Classic™		3-Rail w/Rings 	4-Rail w/Rings 	Majestic™		3-Rail w/Rings 	4-Rail w/Rings
Genesis™				Warrior™			
Rail Quantity & Location	Nominal Panel Height	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Panel Weight	Supplemental Information	
3-Rail w/Rings	4'	A * <input checked="" type="checkbox"/> 3488R			29	Non-Stock	
	5'	A * <input checked="" type="checkbox"/> 3608R			32	Non-Stock	
4-Rail w/Rings	6'	A * <input checked="" type="checkbox"/> 4728R			39	Non-Stock	
<p>↑ X = COLOR SELECTION: B=BLACK /N=BRONZE/W=WHITE * = STYLE SELECTION: C=CLASSIC/M=MAJESTIC/G=GENESIS/W=WARRIOR</p>							
POOL PANELS							
Monarch™ 2-Rail 		Majestic™ 3-Rail 	Majestic™ w/Rings 	Conqueror™ 3-Rail 			
Rail Quantity & Location	Nominal Panel Height	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Panel Weight	Supplemental Information	
Monarch™ 2-Rail	4'	AM <input checked="" type="checkbox"/> 2486			16	Stock-Black/Bronze	
Majestic™ 3-Rail	4½'	AM <input checked="" type="checkbox"/> 3548			25	Stock-Black/Bronze	
Majestic™ w/Rings	4½'	AM <input checked="" type="checkbox"/> 3548R			30	Non-Stock	
Conqueror™ 3-Rail	4½'	AR <input checked="" type="checkbox"/> 3548			25	Stock-Black/Bronze	
<p>↑ X = COLOR SELECTION: B=BLACK /N=BRONZE/W=WHITE</p>							
SEE NOTICE ON CHECKING FOR POOL CODE COMPLIANCE							
PUPPY PANELS							
Classic™		3-Rail 	4-Rail 	Majestic™		3-Rail 	4-Rail
Genesis™		3-Rail 	4-Rail 				
Rail Quantity & Location	Nominal Panel Height	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Panel Weight	Supplemental Information	
3-Rail Puppy	4'	A * <input checked="" type="checkbox"/> 3488D			35	Non-Stock	
	5'	A * <input checked="" type="checkbox"/> 3608D			38	Non-Stock	
4-Rail Puppy	6'	A * <input checked="" type="checkbox"/> 4728D			45	Non-Stock	
<p>↑ X = COLOR SELECTION: B=BLACK /N=BRONZE/W=WHITE * = STYLE SELECTION: C=CLASSIC/M=MAJESTIC/G=GENESIS</p>							

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POOL CODE NOTICE

The aluminum ornamental pool panels meet the 2003 International Building Code (IBC) for pool enclosures. Pool enclosure codes vary widely and are not uniform nationally. Ameristar® cannot warrant nor guarantee its aluminum fencing to meet the many different code requirements for pool fencing, gates and particularly gate hardware (latches and hinges). Please make sure the hardware you purchase meets local pool codes. Ameristar® does not guarantee its gate hardware to meet local pool codes.

The applicable local codes must always be checked for compliance before ordering or installing any Ameristar® ornamental fence for pool use.

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WIND LOADING

Height (FT)	Rail Length	Post Size	Echelon Plus Wind Load Capacity Factor (PSF)	Typical Wind Load Capacity Factor (MPH)
4'	6	2-1/2" x 2-1/2" Tube w/reinforced web	85	215
	8	2-1/2" x 2-1/2" Tube w/reinforced web	68	193
5'	8	2-1/2" x 2-1/2" Tube w/reinforced web	47	159
6'	8	2-1/2" x 2-1/2" Tube w/reinforced web	42	151

Note: MPH values shown are provided for information only. They are calculated according to ANSI/ASCE 7-05, "American Society for 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 specific 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 with your Ameristar Service Representative for an estimate on Engineering Analysis and P.E. Certification.

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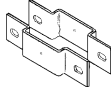

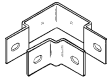



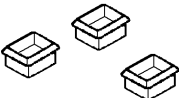
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BRACKETS AND PANEL ACCESSORIES

ITEM DESCRIPTION	PART NUMBER/COLOR			PRICE	SIZE	BAG QTY	BOX QTY	WT EA	BOX WT	
	BLACK	WHITE	BRONZE							
Echelon Plus Line Boulevard Bracket 	ABB3	ABW3	ABN3		2-1/2"	2	100	.41	21	
	Used as aluminum boulevard bracket around a 2-1/2" post to join two adjacent panels in line. These include fasteners. MUST BE PURCHASED IN BAG QUANTITY.									
Echelon Plus End Boulevard Bracket 	ABB4	ABW4	ABN4		2-1/2"	2	80	.34	8.5	
	Used as aluminum boulevard bracket around a 2-1/2" end post to join it to the last panel in a line. These include fasteners. MUST BE PURCHASED IN BAG QUANTITY.									
Echelon Plus Corner Boulevard Bracket 	ABB5	ABW5	ABN5		2-1/2"	2	100	.41	10	
	Used as aluminum boulevard bracket around a 2-1/2" post to join 2 panels meeting at right angles. These include fasteners. MUST BE PURCHASED IN BAG QUANTITY.									
Echelon Plus Swivel Bracket 	ABB2	ABW2	ABN2		1-1/2"	2	90	.14	7	
	Enables panels to meet post at oblique angles. Includes self-drilling fasteners. MUST BE PURCHASED IN BAG QUANTITY. * Note: When using swivel brackets on either or both ends of a panel installation, care must be taken to ensure the spacing between post and adjoining pickets meets applicable codes. This may require trimming one or both ends of the panel as needed.									
Echelon Plus Flat Mount Bracket  FOR WALLS, WOOD POSTS, ETC.	ABB1	ABW1	ABN1		1-1/2"	2	240	.1	17	
	Can be used to attach panels to posts, walls, etc. Includes 1/4" x 2" carriage bolt, 1/4" flange nut, #14 x 3/4" self-drilling screws and aluminum drive rivet. MUST BE PURCHASED IN BAG QUANTITY.									
Retaining Rod 	H532P				1/8" x 71-3/8"	1	1	.25	.25	N/A
	H533P				1/8" x 91-3/4"	1	1	.32	.32	N/A
	Galvanized over steel; 1/8" in diameter.									
Grommets 	PART NUMBER / COLOR									
	BLACK.	PRICE	WHITE	BRONZE	PRICE	SIZE	BAG QTY	BAG WT		
	BG7520P		WG7520P	NG7520		3/4"	20	.25		
MUST BE PURCHASED IN BAG QUANTITY.										

N/S = Non-Stock

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






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ADORNMENTS

ITEM DESCRIPTION	PART NUMBER / COLOR					SIZE	BOX QTY	WT EA
	BLACK	PRICE	WHITE	BRONZE	PRICE			
Picket Plug 	PB7519P (N/S)		PW7519P (N/S)	N/A		3/4" SQ	19/Bag	.05
Fits atop 3/4" flat top pickets. Plugs included with Genesis panels. MUST BE PURCHASED IN BAG QUANTITY (19 PER BAG).								
Quad Flares (Aluminum) 	AB920		AW920 (N/S)	AN920 (N/S)		3/4" SQ	---	.12
Fits atop 3/4" square pickets (press-fit). Heavy-duty cast aluminum. The four sided flare design adds the popular traditional look.								
Triads (Aluminum) 	AB900		AW900	AN900 (N/S)		3/4" SQ	---	.12
Fits atop 3/4" square pickets (press-fit). Heavy-duty cast aluminum. Three distinct tips reflect the strong look of a barbed spear.								
Royalty 	AB921		AW921	AN921 (N/S)		3/4" SQ	---	.13
Fits atop 3/4" square pickets (press-fit). Die cast aluminum.								
Rings (Aluminum) 	AB901		AW901 (N/S)	AN901 (N/S)		4"	---	.72
Top stub fits into pre-punched slots under top rail; bottom stub fits into slots in special ring rail. Attachment is complete when rods are inserted during panel assembly.								
Butterfly Scroll (Aluminum) 	HB506		HW506 (N/S)	HN506 (N/S)		4 X 3-1/2"	---	.2
Fastens onto face of 3/4" square pickets. Self drilling tek screws included.								
Florentine Scroll (Aluminum) 	HB507		HW507 (N/S)	HN507 (N/S)		7 X 14.25"	---	.9
Fastens onto face of 3/4" square pickets. Self drilling tek screws included.								

N/S = Non-Stock

FASTENERS

ITEM DESCRIPTION	PART NUMBER/COLOR			DEALER PRICE	LENGTH	BOX QTY	WT EA
	BLACK	WHITE	BRONZE				
Carriage Bolts 	HB516P	HW516P	HN516P		1/4" x 2"	1	.03
	HB582P	HW582P	HN582P		5/16" x 3/4"	1	.025
HB516P is for brackets, HB582P is for post base.							
Self-Drilling Screws 	HB524P	HW524P	HN524P		#14 x 3/4"	1	.012
	HB539P	HW539P	HN539P		#10 x 3/4"	1	.007
For mounting brackets							
Flange Nuts 	HB541P	HW541P	HN541P		1/4"	1	.01
For mounting brackets.							
Hex Nuts 	HB546P	HW546P	HN546P		5/16"	1	.011
For post base.							
Drive Rivets 	HB559P	HW559P	HN559P		1/4" x 9/32"	1	.002
Used for Echelon Plus flat mount bracket.							
Phillips Screws 	H519P	-----	-----		#10 x 5/8"	1	.005
Sets angle on swivel bracket.							

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BULK PICKETS

ITEM DESCRIPTION	PART NUMBER/COLOR			PRICE PER BOX	LENGTH	BOX QTY	BOX WT
	BLACK	WHITE	BRONZE				
Pointed Picket for Classic and Warrior (Full Length)	ACB348	ACW348 (N/S)	ACN348 (N/S)		46"	114	65
	ACB360	ACW360 (N/S)	ACN360 (N/S)		58"	114	83
	ACB472 (N/S)	ACW472 (N/S)	ACN472 (N/S)		70"	114	99
	MUST BE PURCHASED IN FULL BOX QUANTITY.						
Flat-Topped Picket for Monarch	AMB248	AMW248 (N/S)	AMN248 (N/S)		48"	114	65
	MUST BE PURCHASED IN FULL BOX QUANTITY.						
Flat-Topped Picket for Majestic	AMB348	AMW348 (N/S)	AMN348 (N/S)		46"	114	65
	AMB354	AMW354 (N/S)	AMN354 (N/S)		54"	114	69
	AMB360	AMW360 (N/S)	AMN360 (N/S)		58"	114	83
	AMB472	AMW472 (N/S)	AMN472 (N/S)		70"	114	99
	MUST BE PURCHASED IN FULL BOX QUANTITY.						
Pointed Picket for Warrior (Short)	AWB348	AWW348 (N/S)	AWN348 (N/S)		43"	114	65
	AWB360	AWW360 (N/S)	AWN360 (N/S)		55"	114	83
	AWB472 (N/S)	AWW472 (N/S)	AWN472 (N/S)		67"	114	99
	MUST BE PURCHASED IN FULL BOX QUANTITY.						
Flat Topped Picket for Genesis	AGB348	AGW348 (N/S)	AGN348 (N/S)		46"	114	65
	AGB360	AGW360 (N/S)	AGN360 (N/S)		58"	114	83
	AGB472 (N/S)	AGW472 (N/S)	AGN472 (N/S)		70"	114	99
	MUST BE PURCHASED IN FULL BOX QUANTITY.						
Flat Topped Picket for Conqueror	ALRB348 (N/S)	ALRW348 (N/S)	ALRN348 (N/S)		46"	114	65
	ALRB354 (N/S)	ALRW354 (N/S)	ALRN354 (N/S)		54"	114	69
	ALRB360 (N/S)	ALRW360 (N/S)	ALRN360 (N/S)		58"	114	83
	ALRB472 (N/S)	ALRW472 (N/S)	ALRN472 (N/S)		70"	114	99
	MUST BE PURCHASED IN FULL BOX QUANTITY.						
Pointed Picket for Conqueror	ARB348 (N/S)	ARW348 (N/S)	ARN348 (N/S)		43"	114	61
	ARB354 (N/S)	ARW354 (N/S)	ARN354 (N/S)		51"	114	77
	ARB360 (N/S)	ARW360 (N/S)	ARN360 (N/S)		55"	114	83
	ARB472 (N/S)	ARW472 (N/S)	ARN472 (N/S)		67"	114	99
	MUST BE PURCHASED IN FULL BOX QUANTITY.						

N/S = Non-Stock

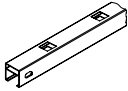
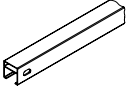
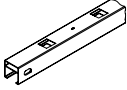
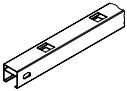
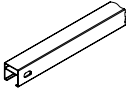
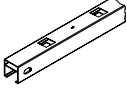
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BULK RAILS

ITEM DESCRIPTION	PART NUMBER/COLOR			PRICE PER BOX	LENGTH	BOX QTY	BOX WT
	BLACK	WHITE	BRONZE				
Classic™ 8' Rail - Through-Punched 	ACBR18R	ACWR18R (N/S)	ACNR18R		91-3/4"	18	62
For all Rails on Classic™, Genesis™, and Warrior™ fence panels. Also for bottom and middle rails on Majestic™ and Conqueror™ fence panels. MUST BE PURCHASED IN FULL BOX QUANTITY.							
Majestic™ 8' Rail - Flush Top 	AMBR18R	AMWR18R (N/S)	AMNR18R		91-3/4"	18	62
For all Top Rails on Majestic™ and Conqueror™ fence panels. MUST BE PURCHASED IN FULL BOX QUANTITY.							
8' Ring Rail - Through-Punched 	ARBR18R	ARWR18R (N/S)	ARNR18R (N/S)		91-3/4"	18	62
Used as second rail for ring panels. MUST BE PURCHASED IN FULL BOX QUANTITY.							
Classic™ 6' Rail - Through-Punched 	ACBR16R	ACWR16R (N/S)	ACNR16R		73-1/16"	18	49
For all Rails on Classic™, Genesis™, and Warrior™ fence panels. Also for bottom and middle rails on Monarch™, Majestic™, and Conqueror™ fence panels. MUST BE PURCHASED IN FULL BOX QUANTITY.							
Majestic™ 6' Rail - Flush Top 	AMBR16R	AMWR16R (N/S)	AMNR16R (N/S)		73-1/16"	18	49
For all Top Rails on Monarch™, Majestic™ and Conqueror™ fence panels. MUST BE PURCHASED IN FULL BOX QUANTITY.							
6' Ring Rail - Through-Punched 	ARBR16R (N/S)	ARWR16R (N/S)	ARNR16R (N/S)		73-1/16"	18	49
Used as second rail for ring panels. MUST BE PURCHASED IN FULL BOX QUANTITY.							

Rails = 540 Pallet Qty. N/S = Non-Stock

CUSTOM FINISHES

ITEM DESCRIPTION	BLACK		COLOR			BOX QTY	WT. EA.
	PART NUMBER	PRICE EA.	BRONZE	WHITE	PRICE		
Paint Pen 	PB100		PN100	PW100		12	.5
Spray Paint 	FB100		FN100	FW100		12	1.1

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ORNAMENTAL ALUMINUM SQUARE POST

X = COLOR SELECTION B = BLACK N = BRONZE W = WHITE						
Post Diameter	Ga. / Wall Thickness	Post Length	Item Number	Catalog Price (Black)	Catalog Price (Color)	Post Weight
2-1/2" SQ. (ALUMINUM)	.060	5'-9"	AP <u>X</u> 25069			5
		6'-3"	AP <u>X</u> 25075			6
		6'-9"	AP <u>X</u> 25081			6
		7'-9"	AP <u>X</u> 25093			7
		8'-9"	AP <u>X</u> 25105			8
3" SQ. (ALUMINUM)	0.125	7'	AP <u>X</u> 30084			12
		8'	AP <u>X</u> 30096			14
		9'	AP <u>X</u> 30108			15
		10'	AP <u>X</u> 30120			17
4" SQ. (ALUMINUM)	0.250	7'	AP <u>X</u> 40084			31
		8'	AP <u>X</u> 40096			36
		9'	AP <u>X</u> 40108			40
		10'	AP <u>X</u> 40120			43

ORNAMENTAL STEEL SQUARE POST

X = COLOR SELECTION B = BLACK N = BRONZE W = WHITE						
Post Diameter	Ga. / Wall Thickness	Post Length	Item Number	Catalog Price (Black)	Catalog Price (Color)	Post Weight
3" SQ. (STEEL)	12 GA. (INDUSTRIAL)	5'	P <u>X</u> 30060			20
		6'	P <u>X</u> 30072			24
		7'	P <u>X</u> 30084			30
		8'	P <u>X</u> 30096			34
		9'	P <u>X</u> 30108			39
		10'	P <u>X</u> 30120			43
4" SQ. (STEEL)	11 GA. (INDUSTRIAL)	6'	P <u>X</u> 40072			39
		7'	P <u>X</u> 40084			47
		8'	P <u>X</u> 40096			54
		9'	P <u>X</u> 40108			61
		10'	P <u>X</u> 40120			67

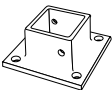
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POST BASE

X = COLOR SELECTION B = BLACK N = BRONZE W = WHITE							
	Post Size	Base Size	Drill Holes	Item Number	Catalog Price (Black)	Catalog Price (Color)	Base Weight
	Fits 2-1/2" SQ. Aluminum Post	5" X 5"	9/16"	AP X B25			2

POST CAPS

X = COLOR SELECTION B = BLACK N = BRONZE W = WHITE						
Cap Type	Cap Style	Size	Item Number	Catalog Price (Black)	Catalog Price (Color)	Cap Weight
ALUMINUM 	STANDARD FLAT CAP	2-1/2" SQ.	A X 600P			0.2
		3" SQ.	A X 700P			0.3
		4" SQ.	A X 800P			0.4
ALUMINUM 	BALL CAP	2-1/2" SQ.	A X 513			0.7
		3" SQ.	A X 516			0.8
		4" SQ.	A X 517			2

Effective: 01/01/13

**AMERISTAR FENCE PRODUCTS®
ECHELON PLUS® - Aluminum Ornamental Fence System – Internally Secured
Construction Specification - SECTION 32 31 19**

ECHELON PLUS

PART 1 - GENERAL

1.01 WORK INCLUDED

The contractor shall provide all labor, materials and all necessary items for the installation of the Echelon Plus® ornamental aluminum 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 ornamental aluminum fencing system of the Ameristar Echelon Plus® (specify Classic™, Majestic™, Genesis™, Warrior™, Conqueror™, Monarch Pool™, Majestic Pool™, Conqueror Pool™, Classic Puppy™, Majestic Puppy™, or Genesis Puppy™) design. The system shall include all components (i.e., pickets, posts, rails, 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 the materials specified.

1.05 REFERENCES

- ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.
- ASTM D523 - Test Method for Specular Gloss.
- 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.

1.06 SUBMITTAL

The manufacturer's submittal package shall be submitted prior to installation to confirm compliance with all requirements for materials specified in this section.

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 ornamental fence system shall conform to Ameristar's Echelon Plus aluminum ornamental fencing, (specify Classic, Majestic, Genesis, Warrior, Conqueror, Monarch Pool, Majestic Pool, Conqueror Pool, Classic Puppy, Majestic Puppy, or Genesis Puppy) (specify 2-rail, 3-rail, 4-rail, 3-rail with rings, or 4-rail with rings) style manufactured by Ameristar Fence Products, Inc. in Tulsa, Oklahoma.

2.02 MATERIAL

A. Aluminum material for fence framework (i.e., tubular pickets, rails and posts) shall conform to the requirements of ASTM B221. The aluminum extrusions for posts and rails shall be Alloy and Temper Designation 6005-T52. The aluminum extrusions for pickets shall be Alloy and Temper Designation 6063-T52.

B. Pickets shall be 3/4" square x .045" thick. Horizontal rails shall be 1-1/4" x 1-7/16" Forerunner™ channel with .060" thick top & internal web wall, and .090" thick side walls and shall be punched to allow picket to pass through the top of the rail. The Forerunner rail shall be constructed with an internal web insert providing a raceway for the pickets to be retained with a 1/8" retaining rod. The number of rails shall vary with the style, height and strength as determined by manufacturer. Fence posts and gate posts shall meet the minimum size requirements of Table 1.

C. Accessories: Aluminum castings shall be used for all post caps, scrolls, finials, and other miscellaneous hardware. Hinges and latches shall be fabricated from aluminum, steel or composite materials.

2.03 FABRICATION

A. Pickets, rails and posts shall be pre-cut to specified lengths. Fore-Runner rails shall be pre-punched to accept pickets. Grommets shall be inserted into the pre-punched holes in the rails and pickets shall be inserted through the grommets so that pre-drilled picket holes align with the internal upper raceway of the ForeRunner rails (Note: This can best be accomplished by using an alignment template). Retaining rods shall be inserted into each ForeRunner rail so that they pass through the pre-drilled holes in each picket, thus completing the panel assembly.

B. The manufactured framework shall be subjected to the Ameristar thermal stratification coating process (high-temperature, in-line, multi-stage, and multi-layer) including, as a minimum, a six-stage pretreatment/wash and an electrostatic spray application of a polyester finish. 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, or White). The stratification-coated framework shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2.

C. Finish: All fence components shall be subject to a six-stage pretreatment/wash followed by an electrostatic spray application of a "no-mar" TGIC polyester powder coat finish with a minimum thickness of 2-4 mils. The color shall be (specify black, bronze or white).

D. Completed panels shall be capable of supporting a 200 lb. load (applied at midspan) without permanent deformation. Panels without rings shall be biasable to a 12.5% change in grade.

E. Swing gates shall be fabricated using 1-1/4" x 1-7/16" Forerunner rail, 1.75" sq. x .125" gate ends, and 3/4" sq. x .080 pickets. Gates that exceed 6' in width will have a 1.75" sq. x .125" intermediate upright. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding.

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 1/2". 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 posts with brackets supplied by the manufacturer. Posts shall be set in concrete footers 33" depth recommended (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 surfaces; 1) Remove all metal shavings from cut area. 2) Apply custom finish paint matching fence color. Failure to seal exposed surfaces per steps 1 & 2 above will negate warranty. Ameristar spray cans or paint pens shall be used to finish exposed surfaces; it is recommended that paint pens be used to prevent overspray. Use of non-Ameristar parts or components will negate the manufacturers' 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.

Effective: 01/01/13

**AMERISTAR FENCE PRODUCTS®
ECHELON PLUS® - Aluminum Ornamental Fence System – Internally Secured
Construction Specification - SECTION 32 31 19**

Table 1 – Minimum Sizes for Echelon Plus Posts			
Fence Posts	Panel Height		
2-1/2" x 2-1/2" x .060" w/ reinforced web	Up to 6' Height		
Gate Leaf	Gate Height		
	Up to & Including 4'	Over 4' Up to & Including 5'	Over 5' Up to & Including 6'
Up to 4'	2 1/2" x 2-1/2" x .060" Alum.	3" x 3" x .120" Alum.	4" x 4" x .250" Alum. or 3" x 3" x 12ga. Steel
4'1" to 6'	3" x 3" x .120" Alum.	4" x 4" x .250" Alum. or 3" x 3" x 12ga. Steel	3" x 3" x 12ga. Steel
6'1" to 8'	4" x 4" x .250" Alum. or 3" x 3" x 12ga. Steel	4" x 4" x 11ga. Steel	4" x 4" x 11ga. Steel

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 test).
Corrosion Resistance	B117 & D1654	Corrosion Resistance over 1000 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 inch 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 – Echelon Plus – Post Spacing By Bracket Type					
Span	8' Nominal (91-3/4" Rail)				
Post Size	2-1/2"	2-1/2"	3"	2-1/2"	3"
Bracket Type	Echelon Plus Line Boulevard (ABB3)	Echelon Plus Swivel* (ABB2)		Echelon Plus Flat Mount (ABB1)	
Post Settings ± 1/2" O.C.	95"	*95"	*95-1/2"	95"	95-1/2"
Span	6' Nominal (73-1/16" Rail)				
Post Size	2-1/2"	2-1/2"	3"	2-1/2"	3"
Bracket Type	Echelon Plus Line Boulevard (ABB3)	Echelon Plus Swivel* (ABB2)		Echelon Plus Flat Mount (ABB1)	
Post Settings ± 1/2" O.C.	76-1/4"	*76-1/4"	*76-3/4"	76-1/4"	76-3/4"

*Note: When using ABB2 swivel brackets on either or both ends of a panel installation, care must be taken to ensure the spacing between post and adjoining pickets meets applicable codes. This will require trimming one or both ends of the panel.

Effective: 01/01/13

**ECHELON PLUS® ALUMINUM ORNAMENTAL FENCE
LIMITED LIFETIME WARRANTY**

Echelon Plus® Ornamental Aluminum Fencing System is manufactured from the highest quality materials by skilled craftsmen to meet the highest standards of workmanship in the industry. Extruded aluminum framework shall be subject to a six stage pretreatment/wash followed by an electrostatic spray application of a “no-mar” TGIC polyester powder coat finish, which provides the protection necessary to withstand adverse environmental conditions.

The powder coated surface on all aluminum framework (i.e., pickets, rails and posts) by AMERISTAR® is guaranteed under normal and proper usage, against cracking, peeling, chipping, blistering or corroding. Normal and proper usage does not include physical damage or abrasion to the protective coating.

Echelon Plus® Ornamental Aluminum Fencing System framework is also guaranteed for the same period of time against defects in workmanship or materials.

Should any ornamental aluminum 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 or renewal. The decision as to which method of redemption is allowed is solely at the discretion of Ameristar. Notice of failure under the conditions of this warranty shall be sent to Ameristar® Fence Products or it authorized representative, in writing, together with proof of purchase and shall specify the nature of the defect and when it was first observed. 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, 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 or renewal 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 Echelon Plus® Ornamental Aluminum Fencing 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.

PURCHASE DATE _____

DEALER SIGNATURE _____



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ECHELON PLUS®



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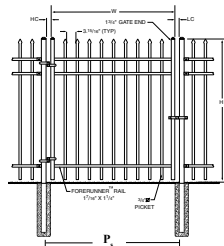
WELDED GATES

GATE SPECIFICATIONS

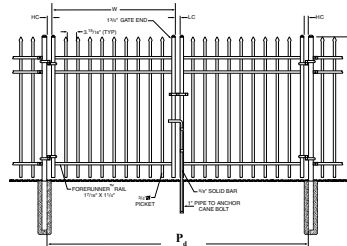
	<u>STANDARD</u>	<u>ARCHED</u>
Gate Ends	.125" Wall Aluminum	.250" Wall Aluminum
Rails	Echelon Plus ForeRunner™ Rail	.250" Wall Aluminum
Pickets	.080" Wall Aluminum	.125" Wall Aluminum

NOTE: See Sales Policy for additional information pertaining to gate orders.

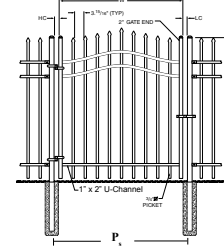
GATE DRAWING DIMENSIONAL FORMAT



Order 1 Leaf For Single Swing Opening



Order 2 Leaves For Double Swing Opening



Order 1 Leaf For Single Swing Opening
 (Available only as single)

W = Outside To Outside Width of Finished Gate Leaf
 H = Height; HC = Hinge Clearance; LC = Latch Clearance; P_s = Post Interspace (Single); P_d = Post Interspace (Double)

HARDWARE KITS & POST INTERSPACES FOR ECHELON PLUS SINGLE SWING ARCHED ALUMINUM GATES						
NOMINAL GATE OPENING	3-1/2'	4'	5'	6'	7'	
W = LEAF WIDTH	40"	49-1/2"	58-3/4"	68"	86-3/4"	
LOKKLATCH WITH TRU-CLOSE HINGE KIT #TCSGK	HC	3/4"				
	LC	3/4"				
	P _s	41-1/2"	51"	60-1/4"	69-1/2"	88-1/4"
TOP PULL LATCH WITH TRU-CLOSE HINGE KIT #TCPGK	HC	3/4"				
	LC	3/4"				
	P _s	41-1/2"	51"	60-1/4"	69-1/2"	88-1/4"
BOLT-ON HARDWARE KITS #EGBS25 OR #EGBS3	HC	2"				
	LC	2"				
	P _s	44"	53-1/2"	62-3/4"	72"	90-3/4"
FORK LATCH/BOX HINGE KITS #EGBSX25 OR #EGBSX3	HC	2-3/8"				
	LC	2"				
	P _s	44-3/8"	53-7/8"	63-1/8"	72-3/8"	91-1/8"
AMERISTAR LOCK/BOLT-ON HINGE KIT #EGBS25A OR #EGBS3A	HC	2"				
	LC	5/8"				
	P _s	42-5/8"	52-1/8"	61-3/8"	70-5/8"	89-3/8"
AMERISTAR LOCK/BOX HINGE KIT #EGBSXA	HC	2-3/8"				
	LC	5/8"				
	P _s	43"	52-1/2"	61-3/4"	71"	89-3/4"
P _d (Gate Post Spacing (Inside-To-Inside) for Double Gate = 2 x HC (Hinge Clearance) + 2 x W (Out-To-Out Gate Width) + LC (Latch Clearance))						

HARDWARE KITS & POST INTERSPACES FOR ECHELON PLUS SINGLE SWING WELDED ALUMINUM GATES						
NOMINAL GATE OPENING	3-1/2'	4'	5'	6'	7'	
W = LEAF WIDTH	40"	49-1/2"	58-3/4"	68"	86-3/4"	
LOKKLATCH WITH TRU-CLOSE HINGE KIT #TCSGK	HC	3/4"				
	LC	3/4"				
	P _s	41-1/2"	51"	60-1/4"	69-1/2"	88-1/4"
TOP PULL LATCH WITH TRU-CLOSE HINGE KIT #TCPGK	HC	3/4"				
	LC	3/4"				
	P _s	41-1/2"	51"	60-1/4"	69-1/2"	88-1/4"
BOLT-ON HARDWARE KITS #SCBS25 OR #SCBS3	HC	2"				
	LC	2"				
	P _s	44"	53-1/2"	62-3/4"	72"	90-3/4"
AMERISTAR LOCK/BOLT-ON HINGE KITS #SCBS25A OR #SCBS3A	HC	2"				
	LC	5/8"				
	P _s	42-5/8"	52-1/8"	61-3/8"	70-5/8"	89-3/8"
AMERISTAR LOCK/BOX HINGE KIT #EGBSX4	HC	2-3/8"				
	LC	5/8"				
	P _s	43"	52-1/2"	61-3/4"	71"	89-3/4"
P _s (Gate Post Spacing (Inside-To-Inside) for Single Gate = HC (Hinge Clearance) + W (Out-To-Out Gate Width) + LC (Latch Clearance))						

HARDWARE KITS & POST INTERSPACES FOR ECHELON PLUS DOUBLE SWING WELDED ALUMINUM GATES						
NOMINAL GATE OPENING	7'	8'	10'	12'	14'	
W = LEAF WIDTH	40"	49-1/2"	58-3/4"	68"	86-3/4"	
BOLT-ON HINGE KIT #AGBD	HC	2-3/8"				
	LC	2"				
	P _s	86"	105"	123-1/2"	142"	179-1/2"
BOX HINGE KIT WITH UPRIGHT #AGBDX	HC	2-3/8"				
	LC	2"				
	P _s	86-3/4"	105-3/4"	124-1/4"	142-3/4"	180-1/4"
COMMERCIAL HINGE KIT WITH STRONGARM #CGBD	HC	1"				
	LC	2"				
	P _s	84"	103"	121-1/2"	140"	177-1/2"
P _s (Gate Post Spacing (Inside-To-Inside) for Single Gate = HC (Hinge Clearance) + W (Out-To-Out Gate Width) + LC (Latch Clearance))						

Effective: 01/01/13

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WELDED GATES

STANDARD EXTENDED PICKET AND FLUSH BOTTOM GATES									
Classic™ Style Gates		Majestic™ Style Gates		Genesis™ Style Gates		Warrior™ Style Gates		Conqueror™ Style Gates	
(3-Rail)	(3-Rail)	(3-Rail)	(3-Rail)	(3-Rail)	(3-Rail)	(3-Rail)	(3-Rail)	(3-Rail)	(3-Rail)
Flush Bottom		Flush Bottom		Flush Bottom		Flush Bottom		Flush Bottom	
(4-Rail)	(4-Rail)	(4-Rail)	(4-Rail)	(4-Rail)	(4-Rail)	(4-Rail)	(4-Rail)	(4-Rail)	(4-Rail)
Flush Bottom		Flush Bottom		Flush Bottom		Flush Bottom		Flush Bottom	
Gate Height / Rail Quantity	Nominal Gate Opening	Actual Gate Leaf Width	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Gate Weight	Supplemental Information		
3' Tall 3-Rail Standard	3½'	40"	A * X 336-42			19	Non-Stock		
	4'	49-1/2"	A * X 336-48			24	Non-Stock		
	5'	58-3/4"	A * X 336-60			28	Non-Stock		
	6'	68"	A * X 336-72			31	Non-Stock		
3' Tall 3-Rail Flush Bottom	3½'	40"	A * X 336-42F			19	Non-Stock		
	4'	49-1/2"	A * X 336-48F			24	Non-Stock		
	5'	58-3/4"	A * X 336-60F			28	Non-Stock		
	6'	68"	A * X 336-72F			31	Non-Stock		
3½' Tall 3-Rail Standard	3½'	40"	A * X 342-42			21	Non-Stock		
	4'	49-1/2"	A * X 342-48			26	Non-Stock		
	5'	58-3/4"	A * X 342-60			30	Non-Stock		
	6'	68"	A * X 342-72			33	Non-Stock		
3½' Tall 3-Rail Flush Bottom	3½'	40"	A * X 342-42F			21	Non-Stock		
	4'	49-1/2"	A * X 342-48F			26	Non-Stock		
	5'	58-3/4"	A * X 342-60F			30	Non-Stock		
	6'	68"	A * X 342-72F			33	Non-Stock		
4' Tall 3-Rail Standard	3½'	40"	A * X 348-42			23	Some styles stocked in black for some openings; call for specific information		
	4'	49-1/2"	A * X 348-48			28			
	5'	58-3/4"	A * X 348-60			32			
	6'	68"	A * X 348-72			36			
4' Tall 3-Rail Flush Bottom	3½'	40"	A * X 348-42F			23	Non-Stock		
	4'	49-1/2"	A * X 348-48F			28	Non-Stock		
	5'	58-3/4"	A * X 348-60F			32	Non-Stock		
	6'	68"	A * X 348-72F			36	Non-Stock		
4' Tall 4-Rail Standard	3½'	40"	A * X 448-42			25	Non-Stock		
	4'	49-1/2"	A * X 448-48			29	Non-Stock		
	5'	58-3/4"	A * X 448-60			35	Non-Stock		
	6'	68"	A * X 448-72			40	Non-Stock		
4' Tall 4-Rail Flush Bottom	3½'	40"	A * X 448-42F			25	Non-Stock		
	4'	49-1/2"	A * X 448-48F			29	Non-Stock		
	5'	58-3/4"	A * X 448-60F			35	Non-Stock		
	6'	68"	A * X 448-72F			40	Non-Stock		

X = COLOR SELECTION: B=BLACK / N=BRONZE/W=WHITE
* = STYLE SELECTION: C=CLASSIC/M=MAJESTIC/G=GENESIS/W=WARRIOR/R=CONQUEROR

Note: Gate hardware is not included. Available gate hardware kits are in the Gate Hardware Section of the Catalog. Effective: 01/01/13

ECHELON PLUS®



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WELDED GATES

STANDARD EXTENDED PICKET AND FLUSH BOTTOM GATES

Classic™ Style Gates		Majestic™ Style Gates		Genesis™ Style Gates		Warrior™ Style Gates		Conqueror™ Style Gates	
(3-Rail)	(3-Rail) Flush Bottom	(3-Rail)	(3-Rail) Flush Bottom	(3-Rail)	(3-Rail) Flush Bottom	(3-Rail)	(3-Rail) Flush Bottom	(3-Rail)	(3-Rail) Flush Bottom
(4-Rail)	(4-Rail) Flush Bottom	(4-Rail)	(4-Rail) Flush Bottom	(4-Rail)	(4-Rail) Flush Bottom	(4-Rail)	(4-Rail) Flush Bottom	(4-Rail)	(4-Rail) Flush Bottom
Gate Height / Rail Quantity	Nominal Gate Opening	Actual Gate Leaf Width	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Gate Weight	Supplemental Information		
5' Tall 3-Rail Standard	3½'	40"	A * <u>X</u> 360-42			27	Some styles stocked in black for some openings; call for specific information		
	4'	49-1/2"	A * <u>X</u> 360-48			32			
	5'	58-3/4"	A * <u>X</u> 360-60			36			
	6'	68"	A * <u>X</u> 360-72			41			
5' Tall 3-Rail Flush Bottom	3½'	40"	A * <u>X</u> 360-42F			27	Non-Stock		
	4'	49-1/2"	A * <u>X</u> 360-48F			32	Non-Stock		
	5'	58-3/4"	A * <u>X</u> 360-60F			36	Non-Stock		
	6'	68"	A * <u>X</u> 360-72F			41	Non-Stock		
5' Tall 4-Rail Standard	3½'	40"	A * <u>X</u> 460-42			29	Non-Stock		
	4'	49-1/2"	A * <u>X</u> 460-48			34	Non-Stock		
	5'	58-3/4"	A * <u>X</u> 460-60			39	Non-Stock		
	6'	68"	A * <u>X</u> 460-72			45	Non-Stock		
5' Tall 4-Rail Flush Bottom	3½'	40"	A * <u>X</u> 460-42F			29	Non-Stock		
	4'	49-1/2"	A * <u>X</u> 460-48F			34	Non-Stock		
	5'	58-3/4"	A * <u>X</u> 460-60F			39	Non-Stock		
	6'	68"	A * <u>X</u> 460-72F			45	Non-Stock		
6' Tall 3-Rail Standard	3½'	40"	A * <u>X</u> 372-42			31	Non-Stock		
	4'	49-1/2"	A * <u>X</u> 372-48			36	Non-Stock		
	5'	58-3/4"	A * <u>X</u> 372-60			40	Non-Stock		
	6'	68"	A * <u>X</u> 372-72			46	Non-Stock		
6' Tall 3-Rail Flush Bottom	3½'	40"	A * <u>X</u> 372-42F			31	Non-Stock		
	4'	49-1/2"	A * <u>X</u> 372-48F			36	Non-Stock		
	5'	58-3/4"	A * <u>X</u> 372-60F			40	Non-Stock		
	6'	68"	A * <u>X</u> 372-72F			46	Non-Stock		
6' Tall 4-Rail Standard	3½'	40"	A * <u>X</u> 472-42			33	Some styles stocked in black for some openings; call for specific information		
	4'	49-1/2"	A * <u>X</u> 472-48			39			
	5'	58-3/4"	A * <u>X</u> 472-60			45			
	6'	68"	A * <u>X</u> 472-72			52			
6' Tall 4-Rail Flush Bottom	3½'	40"	A * <u>X</u> 472-42F			33	Non-Stock		
	4'	49-1/2"	A * <u>X</u> 472-48F			39	Non-Stock		
	5'	58-3/4"	A * <u>X</u> 472-60F			45	Non-Stock		
	6'	68"	A * <u>X</u> 472-72F			52	Non-Stock		

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WELDED GATES

RING GATES							
Classic™ Style Ring Gates		Majestic™ Style Ring Gates		Genesis™ Style Ring Gates		Warrior™ Style Ring Gates	
							
(3-Rail)	(4-Rail)	(3-Rail)	(4-Rail)	(3-Rail)	(4-Rail)	(3-Rail)	(4-Rail)
Gate Height / Rail Quantity	Nominal Gate Opening	Actual Gate Leaf Width	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Gate Weight	Supplemental Information
4' Tall 3-Rail w/Rings	3½'	40"	A * <u>X</u> 348-42R			25	Non-Stock
	4'	49-1/2"	A * <u>X</u> 348-48R			31	Non-Stock
	5'	58-3/4"	A * <u>X</u> 348-60R			35	Non-Stock
	6'	68"	A * <u>X</u> 348-72R			40	Non-Stock
5' Tall 3-Rail w/Rings	3½'	40"	A * <u>X</u> 360-42R			29	Non-Stock
	4'	49-1/2"	A * <u>X</u> 360-48R			35	Non-Stock
	5'	58-3/4"	A * <u>X</u> 360-60R			39	Non-Stock
	6'	68"	A * <u>X</u> 360-72R			45	Non-Stock
6' Tall 4-Rail w/Rings	3½'	40"	A * <u>X</u> 472-42R			33	Non-Stock
	4'	49-1/2"	A * <u>X</u> 472-48R			42	Non-Stock
	5'	58-3/4"	A * <u>X</u> 472-60R			48	Non-Stock
	6'	68"	A * <u>X</u> 472-72R			56	Non-Stock

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POOL GATES							
Monarch™ 2-Rail		Majestic™ 3-Rail		Majestic™ w/Rings		Conqueror™ 3-Rail	
							
Gate Height / Rail Quantity	Nominal Gate Opening	Actual Gate Leaf Width	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Gate Weight	Supplemental Information
4' Tall Monarch™ 2-Rail for Pools	3½'	40"	AM <u>X</u> 248-42			25	Non-Stock
	4'	49-1/2"	AM <u>X</u> 248-48			31	Stock-Black
	5'	58-3/4"	AM <u>X</u> 248-60			35	Stock-Black
	6'	68"	AM <u>X</u> 248-72			40	Non-Stock
4½' Tall Majestic™ 3-Rail for Pools	3½'	40"	AM <u>X</u> 354-42			29	Stock-Black
	4'	49-1/2"	AM <u>X</u> 354-48			35	Stock-Black
	5'	58-3/4"	AM <u>X</u> 354-60			39	Stock-Black
	6'	68"	AM <u>X</u> 354-72			45	Non-Stock
4½' Tall Majestic™ w/Rings for Pools	3½'	40"	AM <u>X</u> 354-42R			33	Non-Stock
	4'	49-1/2"	AM <u>X</u> 354-48R			42	Non-Stock
	5'	58-3/4"	AM <u>X</u> 354-60R			48	Non-Stock
	6'	68"	AM <u>X</u> 354-72R			56	Non-Stock
4½' Tall Conqueror™ 3-Rail for Pools	3½'	40"	AR <u>X</u> 354-42			29	Non-Stock
	4'	49-1/2"	AR <u>X</u> 354-48			35	Stock-Black
	5'	58-3/4"	AR <u>X</u> 354-60			39	Non-Stock
	6'	68"	AR <u>X</u> 354-72			45	Non-Stock

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SEE NOTICE ON CHECKING FOR POOL CODE COMPLIANCE

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WELDED GATES

PUPPY GATES

Classic™ Style Puppy Gates		Majestic™ Style Puppy Gates		Genesis™ Style Puppy Gates			
(3-Rail)	(4-Rail)	(3-Rail)	(4-Rail)	(3-Rail)	(4-Rail)		
Gate Height / Rail Quantity	Nominal Gate Opening	Actual Gate Leaf Width	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Gate Weight	Supplemental Information
4' Tall 3-Rail Puppy	3½'	40"	A * <u>X</u> 348-42D			27	Non-Stock
	4'	49-1/2"	A * <u>X</u> 348-48D			33	Non-Stock
	5'	58-3/4"	A * <u>X</u> 348-60D			37	Non-Stock
	6'	68"	A * <u>X</u> 348-72D			43	Non-Stock
5' Tall 3-Rail Puppy	3½'	40"	A * <u>X</u> 360-42D			31	Non-Stock
	4'	49-1/2"	A * <u>X</u> 360-48D			37	Non-Stock
	5'	58-3/4"	A * <u>X</u> 360-60D			42	Non-Stock
	6'	68"	A * <u>X</u> 360-72D			48	Non-Stock
6' Tall 4-Rail Puppy	3½'	40"	A * <u>X</u> 472-42D			37	Non-Stock
	4'	49-1/2"	A * <u>X</u> 472-48D			44	Non-Stock
	5'	58-3/4"	A * <u>X</u> 472-60D			51	Non-Stock
	6'	68"	A * <u>X</u> 472-72D			59	Non-Stock

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ARCHED WELDED GATES

STANDARD ARCHED GATES									
Classic™ Arched Gates		Majestic™ Arched Gates		Genesis™ Arched Gates		Warrior™ Arched Gates		Conqueror™ Arched Gates	
(3-Rail)		(3-Rail)		(3-Rail)		(3-Rail)		(3-Rail)	
(4-Rail)		(4-Rail)		(4-Rail)		(4-Rail)		(4-Rail)	
Nominal Gate Height / Rail Quantity	Nominal Gate Opening	Actual Gate Leaf Width	Amount of Rise in Arch	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Gate Weight	Supplemental Information	
4' Tall 3-Rail	3½'	40"	4"	A * X 348-42A			42	Non-Stock	
	4'	49-1/2"	5"	A * X 348-48A			48	Non-Stock	
	5'	58-3/4"	6"	A * X 348-60A			55	Non-Stock	
	6'	68"	8"	A * X 348-72A			62	Non-Stock	
	7'	86-3/4"	10"	A * X 348-84A			75	Non-Stock	
5' Tall 3-Rail	3½'	40"	4"	A * X 360-42A			49	Non-Stock	
	4'	49-1/2"	5"	A * X 360-48A			57	Non-Stock	
	5'	58-3/4"	6"	A * X 360-60A			65	Non-Stock	
	6'	68"	8"	A * X 360-72A			72	Non-Stock	
	7'	86-3/4"	10"	A * X 360-84A			88	Non-Stock	
6' Tall 4-Rail	3½'	40"	4"	A * X 472-42A			57	Non-Stock	
	4'	49-1/2"	5"	A * X 472-48A			66	Non-Stock	
	5'	58-3/4"	6"	A * X 472-60A			74	Non-Stock	
	6'	68"	8"	A * X 472-72A			83	Non-Stock	
	7'	86-3/4"	10"	A * X 472-84A			101	Non-Stock	

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ARCHED WELDED GATES

ARCHED RING GATES								
Classic™ Arched Ring Gates		Majestic™ Arched Ring Gates		Genesis™ Arched Ring Gates		Warrior™ Arched Ring Gates		
(3-Rail)		(3-Rail)		(3-Rail)		(3-Rail)		
(4-Rail)		(4-Rail)		(4-Rail)		(4-Rail)		
Nominal Gate Height / Rail Quantity	Nominal Gate Opening	Actual Gate Leaf Width	Amount of Rise in Arch	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Gate Weight	Supplemental Information
4' Tall 3-Rail w/Rings	3½'	40"	4"	A * X 348-42AR			44	Non-Stock
	4'	49-1/2"	5"	A * X 348-48AR			50	Non-Stock
	5'	58-3/4"	6"	A * X 348-60AR			58	Non-Stock
	6'	68"	8"	A * X 348-72AR			65	Non-Stock
	7'	86-3/4"	10"	A * X 348-84AR			79	Non-Stock
5' Tall 3-Rail w/Rings	3½'	40"	4"	A * X 360-42AR			51	Non-Stock
	4'	49-1/2"	5"	A * X 360-48AR			59	Non-Stock
	5'	58-3/4"	6"	A * X 360-60AR			68	Non-Stock
	6'	68"	8"	A * X 360-72AR			75	Non-Stock
	7'	86-3/4"	10"	A * X 360-84AR			92	Non-Stock
6' Tall 4-Rail w/Rings	3½'	40"	4"	A * X 472-42AR			59	Non-Stock
	4'	49-1/2"	5"	A * X 472-48AR			68	Non-Stock
	5'	58-3/4"	6"	A * X 472-60AR			77	Non-Stock
	6'	68"	8"	A * X 472-72AR			86	Non-Stock
	7'	86-3/4"	10"	A * X 472-84AR			105	Non-Stock

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ARCHED WELDED GATES

ARCHED POOL GATES								
Monarch™ Arched Pool Gates		Majestic™ Arched Pool Gates		Majestic™ Arched Pool Gates with/Rings		Conqueror™ Arched Pool Gates		
(2-Rail)		(3-Rail)		(3-Rail)		(3-Rail)		
Nominal Gate Height / Rail Quantity	Nominal Gate Opening	Actual Gate Leaf Width	Amount of Rise in Arch	Item Number	Catalog Price (Black)	Catalog Price (Bronze/White)	Gate Weight	Supplemental Information
Monarch™ 4' Tall 2-Rail Arched	3½'	40"	4"	AM X 248-42A			38	Non-Stock
	4'	49-1/2"	5"	AM X 248-48A			44	Non-Stock
	5'	58-3/4"	6"	AM X 248-60A			50	Non-Stock
	6'	68"	8"	AM X 248-72A			56	Non-Stock
	7'	86-3/4"	10"	AM X 248-84A			68	Non-Stock
Majestic™ 4½' Tall 3-Rail Arched	3½'	40"	4"	AM X 354-42A			45	Non-Stock
	4'	49-1/2"	5"	AM X 354-48A			53	Non-Stock
	5'	58-3/4"	6"	AM X 354-60A			60	Non-Stock
	6'	68"	8"	AM X 354-72A			67	Non-Stock
	7'	86-3/4"	10"	AM X 354-84A			81	Non-Stock
Majestic™ 4½' Tall 3-Rail Arched w/Rings	3½'	40"	4"	AM X 354-42AR			47	Non-Stock
	4'	49-1/2"	5"	AM X 354-48AR			55	Non-Stock
	5'	58-3/4"	6"	AM X 354-60AR			63	Non-Stock
	6'	68"	8"	AM X 354-72AR			70	Non-Stock
	7'	86-3/4"	10"	AM X 354-84AR			85	Non-Stock
Conqueror™ 4½' Tall 3-Rail Arched	3½'	40"	4"	AR X 354-42A			45	Non-Stock
	4'	49-1/2"	5"	AR X 354-48A			53	Non-Stock
	5'	58-3/4"	6"	AR X 354-60A			60	Non-Stock
	6'	68"	8"	AR X 354-72A			67	Non-Stock
	7'	86-3/4"	10"	AR X 354-84A			81	Non-Stock

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