



MEMO TO : The Honorable President
And Board of Trustees

FROM : David A. Huliseberg
Village Manager
[Handwritten Signature]

DATE : April 14, 2009

SUBJECT : Fence Replacement at Lombard Cemetery

Attached is a copy of the brochure from Action Fence Corporation regarding the replacement of the fence at the Lombard Cemetery that is listed on the Consent Agenda as Item W (090210).

If you have any questions, please contact me.

/cb

Attachment

Cemeteryfenceplacement1409

Maintenance-Free Polyester Finish
Over High Strength Aluminum
www.ameristar.com



The Higher Level

Industrial Ornamental Aluminum Fence and Gates

Echelon IITM



- Does the company's products seem "just like all the others" or do they have added value?
- Does the company merely meet minimum requirements or does it rise above?

IS THE COMPANY A LEADER?

- Does the company have an integrated in-house process or must operations be subtle?
- Does the company maintain extensive raw materials and finished goods inventory?

IS THE COMPANY CAPABLE?

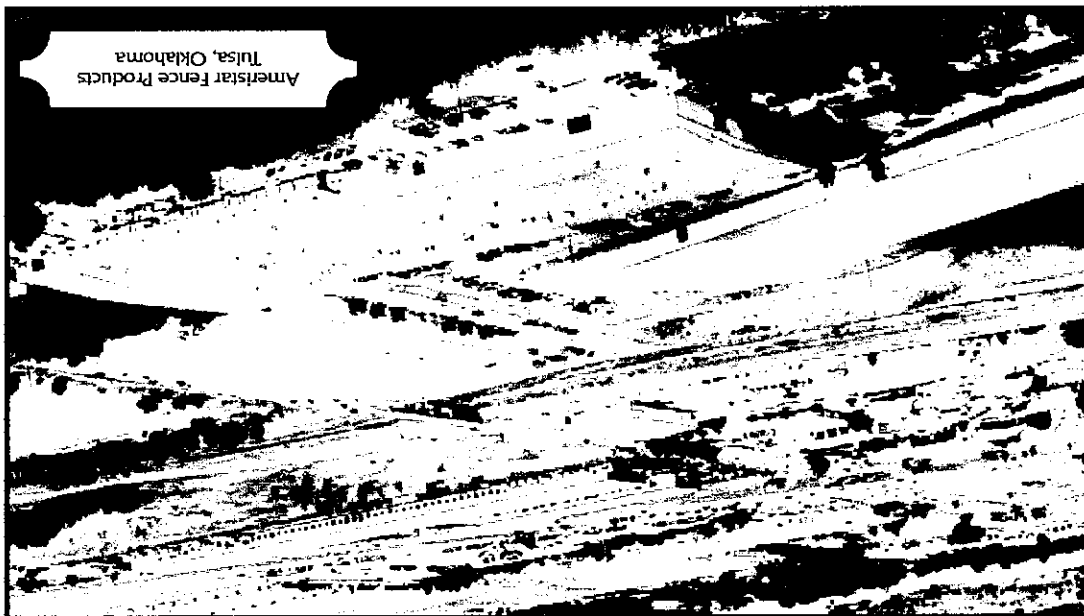
- Does the company's experience extend to product installation and use?
- Does the company's experience include an understanding of consumer preferences?

IS THE COMPANY EXPERIENCED?

Ask these questions

HOW DO YOU SELECT A MANUFACTURER?

Ameristar® was chartered several years ago to provide specialty fence products that were more affordable, but did not compromise the quality level demanded by specifiers and consumers. This could be accomplished only by complete reformation of the way fence products were being manufactured. Product design was approached from many new perspectives: maximizing high-volume productivity; increasing strength and durability; promoting ease of installation; ensuring an environmentally friendly workplace; and enhancing aesthetic appearance. A new plant was designed and built to house state-of-the-art roll-forming, metal processing and powder coating equipment. The result (shown in the photo above) has boosted Ameristar to its current position as the largest manufacturer of architectural metal fencing in the world.



Ameristar Fence Products
Tulsa, Oklahoma





AMERISTAR®

Echelon II™ Industrial Ornamental Aluminum

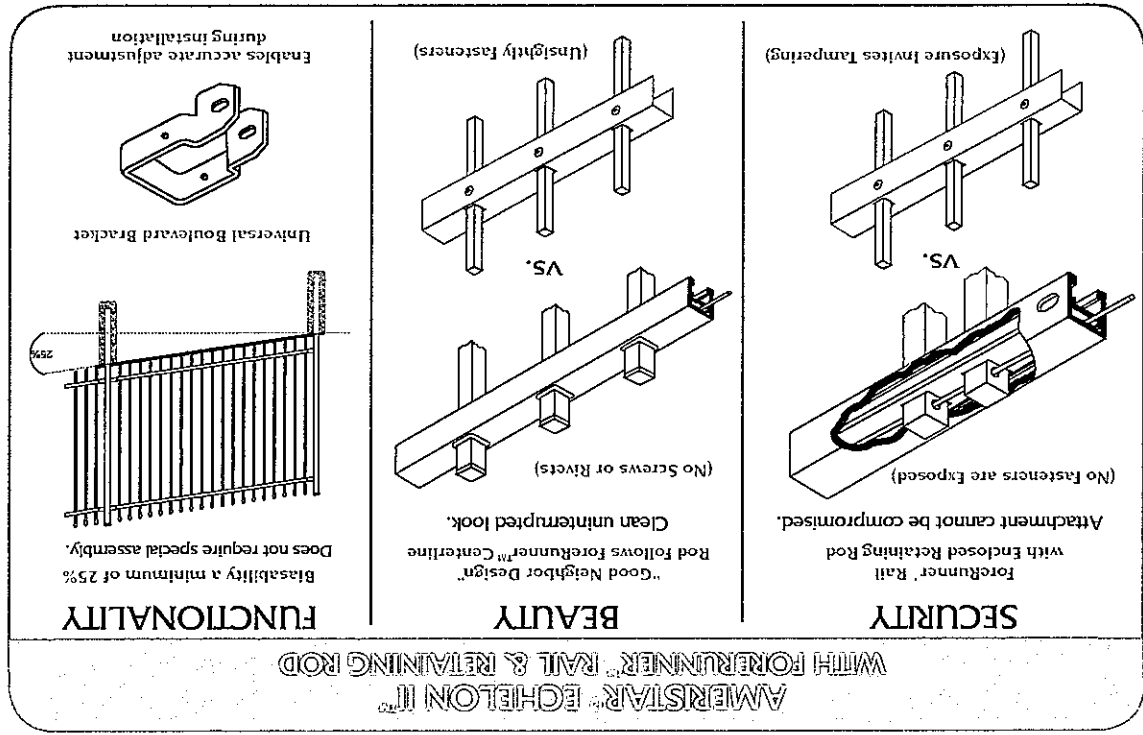
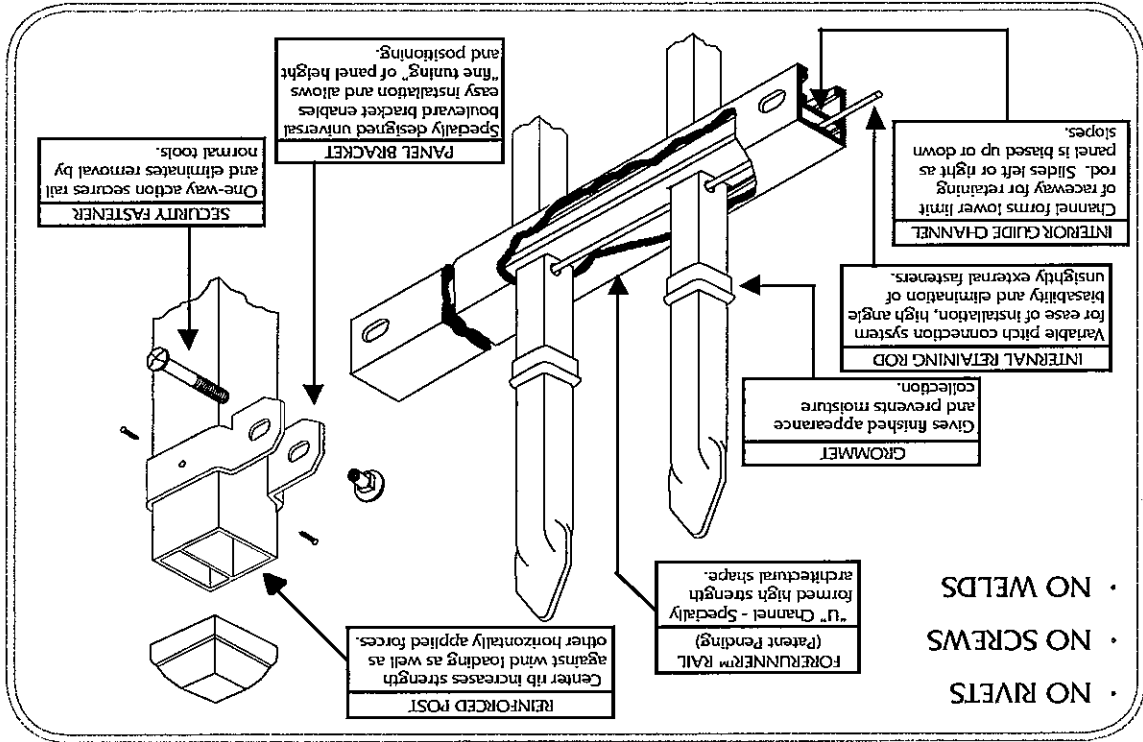
www.ameristarfence.com

Echelon II™

The Higher Level of Aluminum Fences

Echelon II™ - A revolutionary fence system of aluminum posts, framework and mounting accessories that is easily assembled to form an attractive "good neighbor" appearance with no exposed fasteners. Any truly great product must have a defining feature that sets it apart from all others; Ameristar's Echelon II™ fence has the revolutionary Forerunner™ rail.

- NO RIVETS
- NO SCREWS
- NO WELDS



RAIL STRENGTH

Profile of the Architectural Shape of the Rail	Vertical Design Loads are per rail; for capacity of fence panel, multiply by number of rails.	Profile of the Architectural Shape of the Rail
Aluminum	Steel	Aluminum
<p>T_{eff} = Effective Wall Thickness (IN)</p> <p>S_v = Section Modulus (IN³) Vertical</p> <p>S_h = Section Modulus (IN³) Horizontal</p> <p>Vertical Load Data</p> <p>P_v = Ultimate Vertical</p> <p>Horizontal Load Data</p> <p>P_h = Ultimate Horizontal</p> <p>Vertical Load Data</p> <p>P_v = Vertical Design Load @ .66 F</p> <p>Horizontal Load Data</p> <p>P_h = Horizontal Design Load @ .66 F</p>		
418#	262#	260
314#	229#	260
769#	438#	438#
556#	157#	157#
276#	151#	151#
207#	306#	306#
493#	289#	289#
8' Span	8' Span	8' Span

* RECOMMENDED LOAD VALUE FOR SAFE STRUCTURAL DESIGN (Allowable Strength = .66F).

POST STRENGTH & SECURITY

A comparison of the Echelon II™ reinforced post with standard punched posts used by other aluminum fence manufacturers shows several Echelon II™ advantages.

- The Echelon II™ post is made stronger by the reinforcing web: the conventional post is weakened by removing material from its cross-section.
- Echelon II™ requires only one non-punched post: the punched system requires four different posts (line, end, corner, and gate).
- Punched holes allow moisture build-up and potential freeze expansion.
- Echelon II™ boulevard brackets allow for fine tuning of fence alignment.
- The wrap-around bracket, secured to the rail with Ameristar's tamperproof fastener, ensures far greater security than the single screw in punched posts.

Competitor Post

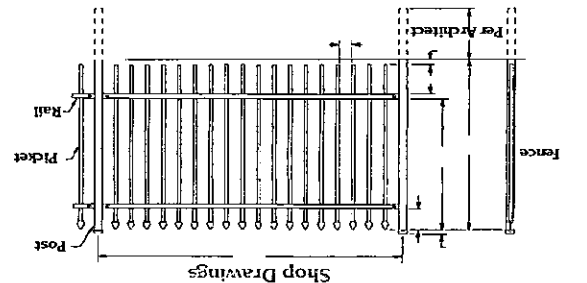
Echelon II™ Post

SUPERIOR FINISH

Ameristar's production facilities include a state-of-the-art polyester powder coating system providing Echelon II™ fences with a finish that is far superior to other coatings in durability and scratch-resistance. Powder coating has become the fastest growing form of finishing technology. It does not emit hazardous volatile organic compounds as is the case with wet paints. The Echelon II™ fence components can endure over 1,000 hours of salt spray testing; proving the claim of long-lasting durability. With Echelon II™ Industrial Aluminum, a maintenance-free, environmentally-friendly fence is guaranteed.

System	Pickets	Rails	Posts
*Echelon II™ Industrial	1" x 1"	1-3/4" x 1-3/4"	*2-1/2" x 2-1/2"

*NOTE: Larger post (3" Sq. & 4" Sq. are also available). Follow post recommendation in Wind Loading table below.



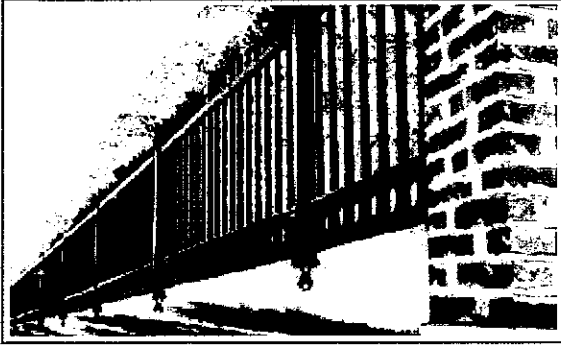
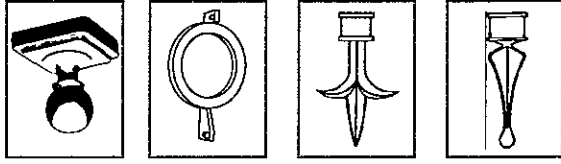
Shop Drawings

Height (ft)	Rail Length	Post Size	Echelon II™ Wind Load Capacity Factor (FSF)	Typical Wind Load Capacity (Imp)
4	6	2-1/2" Square	112	206
	8	3" Square	213	285
	8	2-1/2" Square	84	178
	6	3" Square	160	246
	6	2-1/2" Square	76	170
	6	3" Square	145	235
	8	2-1/2" Square	57	147
	8	3" x Square	109	203
	6	2-1/2" Square	52	141
	6	3" Square	99	194
	8	2-1/2" Square	40	123
	8	3" Square	76	171
	6	2-1/2" Square	38	120
	6	3" Square	73	166
	8	2-1/2" Square	28	104
	8	3" Square	55	144
	6	2-1/2" Square	29	105
	6	3" x Square	56	145
	8	2-1/2" Square	22	91
	8	3" Square	42	126
	6	4" Square	78	172
	6	4" Square	82	176
10	6	4" Square	66	159

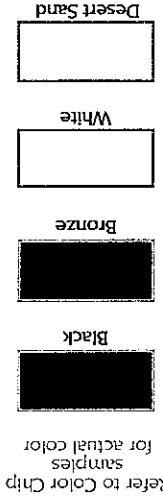
Wind Loading

Height (ft)	Rail Length	Post Size	Echelon II™ Wind Load Capacity Factor (FSF)	Typical Wind Load Capacity (Imp)
4	6	2-1/2" Square	112	206
	8	3" Square	213	285
	8	2-1/2" Square	84	178
	6	3" Square	160	246
	6	2-1/2" Square	76	170
	6	3" Square	145	235
	8	2-1/2" Square	57	147
	8	3" x Square	109	203
	6	2-1/2" Square	52	141
	6	3" Square	99	194
	8	2-1/2" Square	40	123
	8	3" Square	76	171
	6	2-1/2" Square	38	120
	6	3" Square	73	166
	8	2-1/2" Square	28	104
	8	3" Square	55	144
	6	2-1/2" Square	29	105
	6	3" x Square	56	145
	8	2-1/2" Square	22	91
	8	3" Square	42	126
	6	4" Square	78	172
	6	4" Square	82	176
10	6	4" Square	66	159

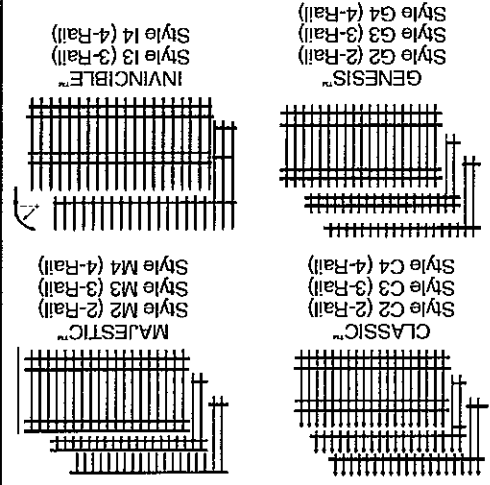
ADORNMENTS



COLORS



STYLES



The Ameristar™ architectural website (<http://www.ameristarfence.com>) enables the user to browse the entire Ameristar™ product line. The site is complete with photos, drawings, specifications and installation procedures.

Internet Website

All of Ameristar's ornamental, security, and color chain link fence technical information is also available on CD format. On the new CD, architects will find all the details they require on Ameristar's ornamental fence and gate systems as well as relevant data on the multi-stage electrostatic coating process for commercial and industrial applications.



Compact Disc

The Classic™ series drawing to the right is one of several Echelon II™ shop drawings contained in the Architectural Binder, which is available upon request. Specifications and drawings for Ameristar's Impasse™ Palisade Security Fence Barrier, Aegis II™ and Aegis Plus™ Ornamental Steel Fence, and PermaCoat™ Color Chain Link fence are also included.

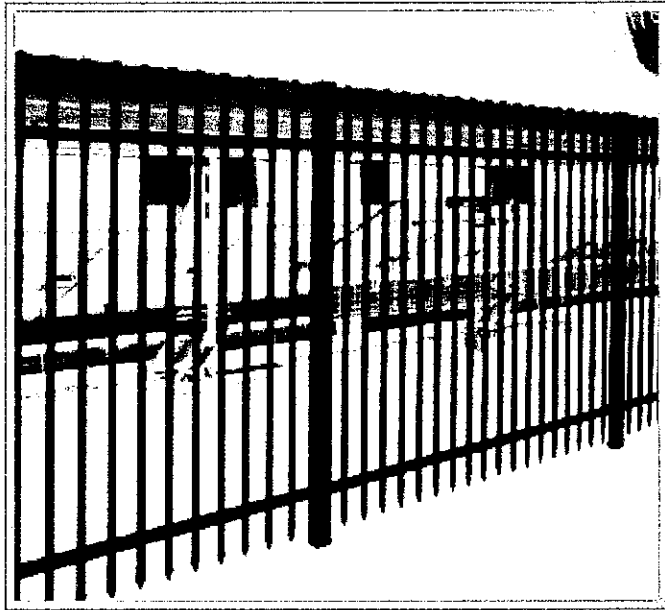
Architectural Binder

Ameristar's electronic media enable architects and specifiers to simply download specification information directly into the appropriate section of their CSI-formatted project specifications; they also enable the direct downloading of product drawings onto project blueprints.

DETAILED PRODUCT DATA



The attractive Classic™ style is structurally enhanced by the addition of a third ForeRunner™ rail which provides greater strength and enables the use of greater height to discourage unauthorized entry.



Echelon III™ Classic™ style ornamental fences feature the traditional extended picket culminating with an arrow-shaped spear point that conveys a subtle warning message to would-be intruders.

Classic™



Echelon II™ Industrial Ornamental Aluminum

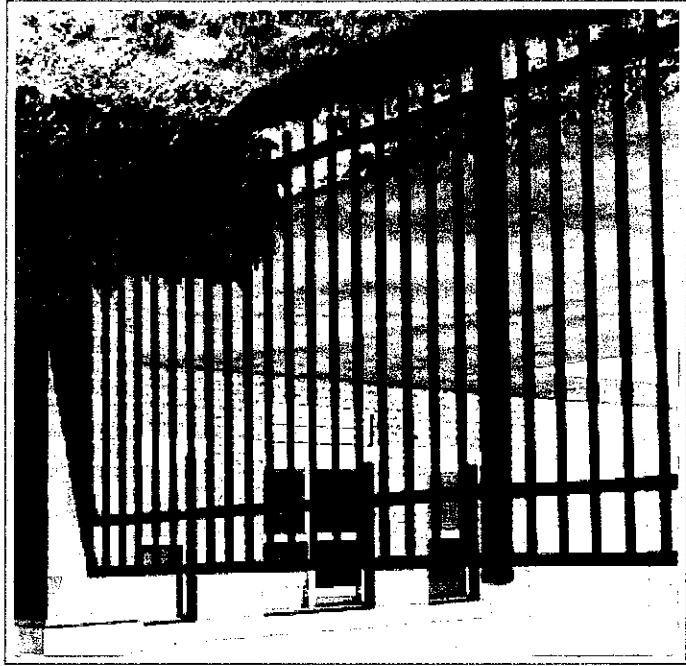
www.ameristarfence.com

Majestic™



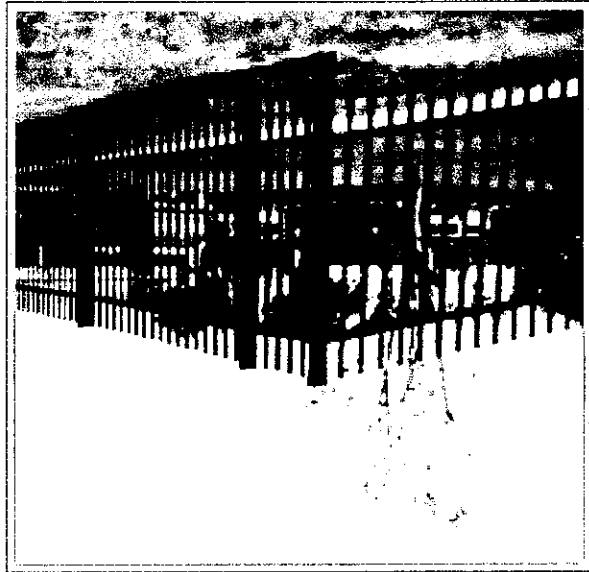
The contemporary Echelon II™ Majestic™ style utilizes a flush top rail to produce the stately and streamlined look that blends well with flowers, shrubbery, and trees used in border landscapes.

The three-rail Majestic™ fence shown below works well with brick columns and enhances the look of the brick building it surrounds. The fence, masonry column and building complement each other.





The basic Genesis™ ornamental fence (three-rail version shown below) is an ideal perimeter product for virtually any commercial or industrial application.



The Echelon II™ Genesis™ style highlights the sleek lines of unaltered square pickets reminiscent of solid vertical bar fences. The extended flat-topped tip does not detract from architecture or landscape.

Genesis™



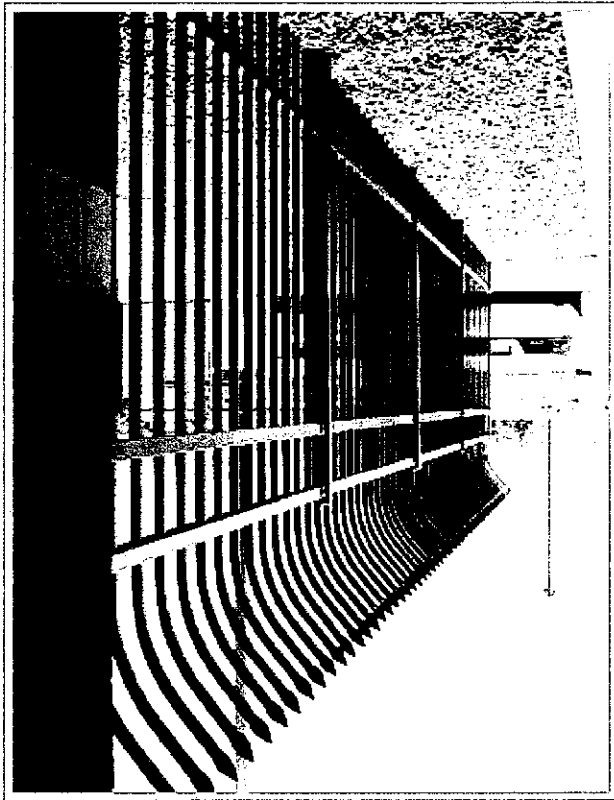
AMERISTAR®

Echelon II™ Industrial Ornamental Aluminum

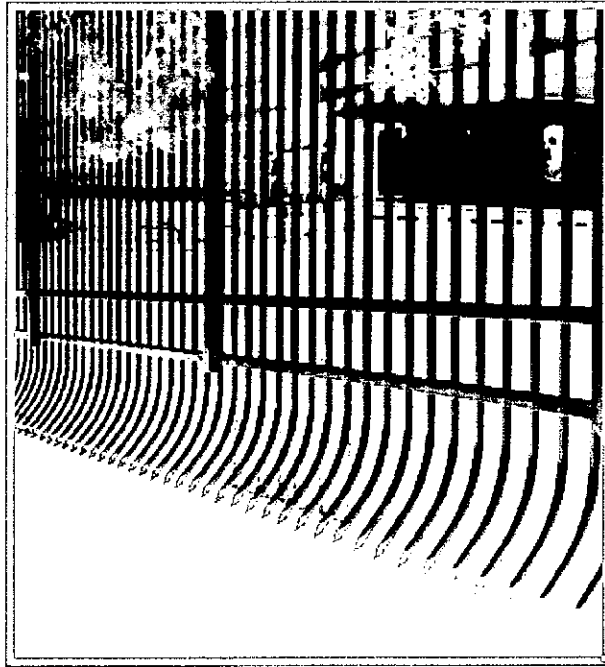
www.ameristarfence.com

Invincible™

The imposing Echelon II™ Invincible™ style features an outwardly curving picket to warn potential intruders and make access by climbing virtually impossible.



The Invincible™ is the only aluminum industrial fence that offers the increased security of the unique anti-climb curved picket.



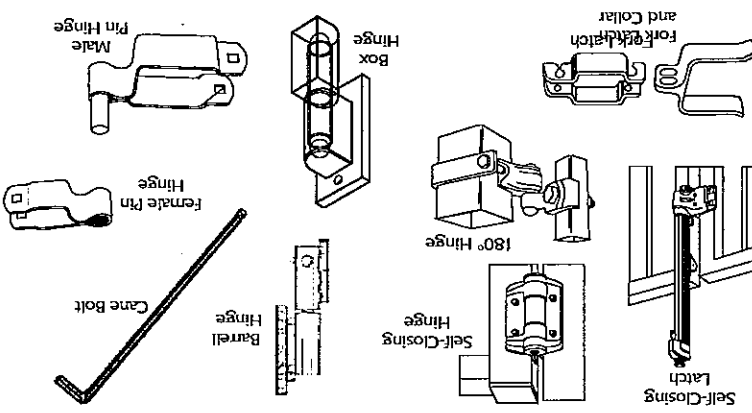
SWING GATE SYSTEMS

Specification

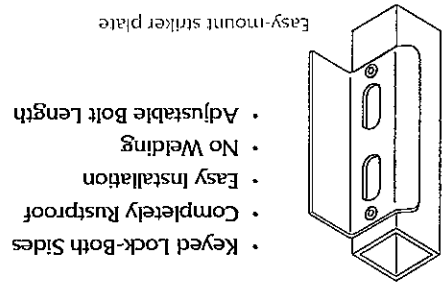
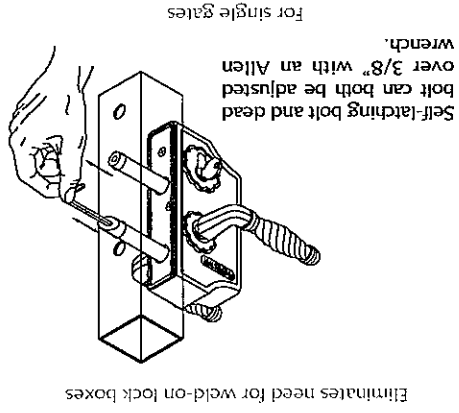
All Echelon™ Single Pedestrian, Double Pedestrian and Drive Gates shall be welded construction. Gate ends shall be 0.250" thick; pickets used for welded gates shall be 0.110" thick. Electrostatic application of Ameristar's powder coating system shall follow the welding operation. Echelon™ Single and Double Gates are available for openings up to 16' and 32' respectively.



Heavy-Duty Hardware



Ameristar® Deadbolt Lock

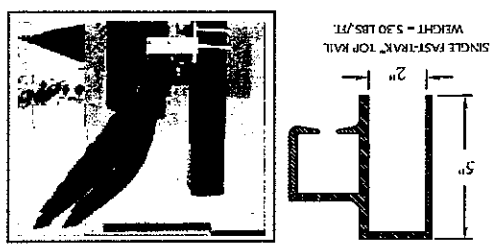


TRANSPORT™ CANTILEVER GATE SYSTEMS

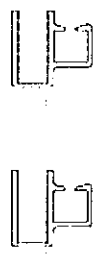
Transport™ Cantilever Gate Systems are available for ornamental, chain link, and security applications. The Transport™ is an all weather cantilever gate utilizing an aluminum track extrusion with internal roller assemblies. The gate and track system operate as a single sliding unit.

Strength & Alignment

Transport™ Cantilever Gates offer superior strength as the track is 60% heavier (by weight) than competitors extrusions.

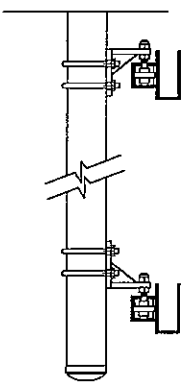


Gate Opening Sizes



Transport™ Cantilever Gates contain double-track framing, full tracks top and bottom. Ameristar's double-track cantilevers are available for openings up to 36'. Bi-parting cantilevers are available for openings up to 72'.

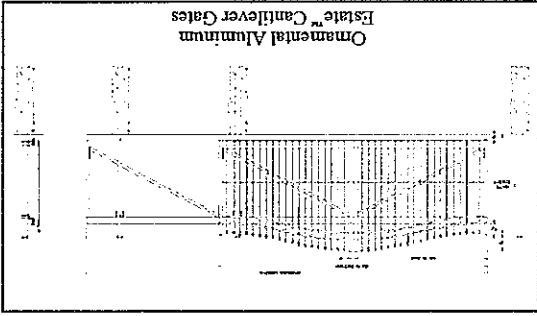
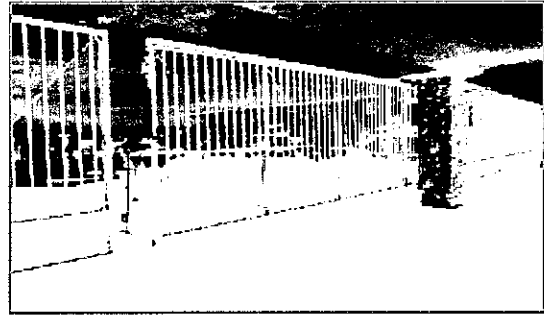
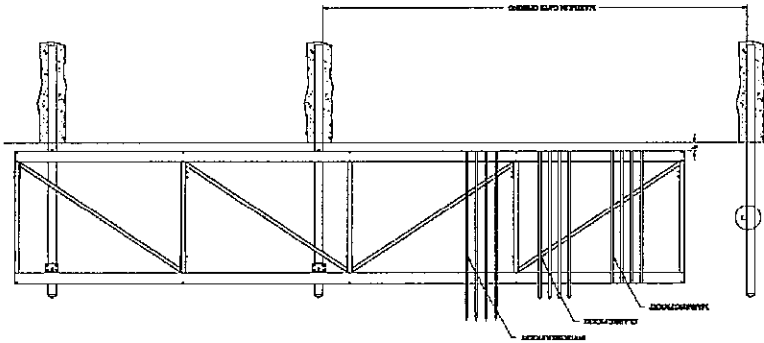
End View (INSTALLED GATE)





CONSTRUCTION SPECIFICATION SECTION 02825 - CANTILEVER GATE SYSTEM Transport™ - Aluminum Cantilever

- 2.01 MANUFACTURER
- The cantilever gate system shall conform to Ameristar® Transport™ ornamental style (specify Classis™, Ablesis™, Genesis™ or Invincible™ style), design (specify single or double), opening (specify total gate opening in feet), height (total in feet), gate direction (specify direction gate opens from outside loading in), with (specify cross sectional size and gauge of posts) posts.
- 2.02 MATERIALS
- A. The materials used for cantilever gate framing shall be manufactured from aluminum material (Designation 6063-T-6) with a yield strength of 25,000 psi, a tensile strength of 30,000 psi and a standard mill finish. The Transport™ top track shall be manufactured from aluminum (Designation 6063-T-6) with a yield strength of 25,000 psi, a tensile strength of 30,000 psi and a standard mill finish.
- B. Transport™ cantilever gates shall be filled with 1" x 12 Ca. square aluminum pickets. Pickets, top track and bottom rail shall be predrilled to allow use of pop rivets for picket attachment.
- C. Each gate section shall be supplied with truss cables for proper bracing.
- 2.03 FABRICATION
- D. Two upper suspension rollers and two lower guide rollers shall be included with each gate.
- A. Components shall be precut to specified lengths.
- B. All fastener holes shall be predrilled.
- C. Completed framing components shall be tested for alignment and fit at the factory prior to shipping.



Transport™ Track Hardware

Ameristar's unique single mainframe truck roller makes it the strongest truck assembly available in the industry.

Features

- Hot-Dip Galvanized
- Extra Heavy-Duty
- U-Bolts for either Round or Square Posts

