



CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT PURCHASING DEPARTMENT

June 29, 2020

Addendum No. 2 INVITATION TO BID.: B19/20-17 POOL RENOVATION PHASE II (REBID) CHABOT COLLEGE

To: All Prospective Bidders

This Addendum Two (2) is issued to incorporate the following changes, additions or deletions to the IFB (B19/20-17). Any modifications/changes made by this addendum affect only the portions or paragraphs specifically identified herein; all remaining portions of the IFB (B19/20-17) to remain in force. It is the responsibility of all responders to conform to this addendum.

A. RFI QUESTIONS AND RESPONSES:

Question 1: Please provide separate Specifications for the chain link fence and the ornamental iron fence.

Response: Both specifications are attached hereto – Metal Fences and Gates is Section 32 31 00 and Chain Line Fence is 32 31 14 (Exhibit #1). The brochure for the fence and gates is also part of Exhibit #1.

Question 2: Please indicate extent of chain link fence and extent of ornamental fence. Sheet SP2-2 does not indicate the boundary between the two types of fences.

Response: See attached Exhibit #2, Sheets SP2-2R, SP9-5R, & SP9-6R

Question 3: Please provide details for the chain link fence.

Response: See attached Exhibit #3.



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Question 4: Please clarify work that is in scope/not in scope, i.e. bleachers, storage ramp, stairs, handrails, etc.

Response: Remove existing fence and put new fence per plan with required deck and access gate as shown on plan.

Question 5: Please clarify signage is not part of this bid.

Response: New signage will only be required on gates, marking them as EXITS and to keep them closed.

Question 6: Access stairs at the southwest corner – at this location the stairs are made of steel and wood assembly attached to the existing rails by screws, but the Plans state they're steel handrails on concrete stairs.

Response: Wood steps with steel handrails to remain in the Southeast and Southwest corners of the pool. Paint existing handrails typ. See Exhibit #4.

Question 7: Delivery Gate at the northwest corner – this delivery gate is required by M&O to deliver large items to the pool deck, such as lane line reels, water polo goals, and other large equipment. It is not shown in the Plans as existing or to be replaced.

Response: An access gate is added to the plan provided – it is an 8'-0" swimming gate on a wheel. It will be manufactured with steel and made to look like the Metal Fence. See Exhibit #5.



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Question 8: We anticipate 6-8 weeks lead time for material from award date. Please confirm this timeline would be acceptable.

Response: Yes, acceptable that schedule will begin after obtaining equipment.

Question 9: Can existing posts simply be cut and ground-down? – or does patching need to be done to the concrete?

Response: Existing bolts cut and ground down and Ardex topping should cover grind so as to match existing decking.

Question 10: If patching is required related to question above, what material should be used?

Response: Ardex to seal patching – the same material as chosen by the District for the remainder of the concrete deck topping.

Question 11: Detail 7/SP9-5 and 6/SP9-6 show fence with 2-rails on top; Detail 6/SP9-5 shows single top rail in elevation view. Which fence style is actually desired?

Response: Following CBC 31B-4 should be built as shown – also see question 1 above.

Question 12: Is finish of Montage style fence to be manufacturer's standard black finish?

Response: Standard black finish per Montage's detail – see Question 1 above.



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Question 13: Detail 2/SP9-6 notes LCN 4040 series closer; Detail 3/SP9-6 notes Norton 7500 Parallel Arm Closer. Which type of closer is correct?

Response: According to the gate shop drawings it proposes to use a Norton 7500 and this will be supplied by Aquastar, the gate manufacturer.

Question 14: Can galvanized bolts be proposed instead of stainless steel for cost saving option/alternate?

Response: No, stainless steel only on/near pool deck.

Question 15: Is temp fence required around whole area while work is being performed? Or, can fence be positioned in a phased manner, enclosing certain work area at a time?

Response: Temporary fence may not be required, but this would be means and methods – there is a fence around the deck area that can provide security and its use and security of your project will be your responsibility.

Question 16: Note 39 on SP2-0 states to remove/dispose of guard rails for service tunnel ramps. There is existing handrail attached to the guardrail. Do these handrails need to be removed/re-installed on the new guardrails? Or, are the old handrails to be replaced with new handrails? If new, what design/material is to be used?

Response: I believe that the guardrails at the wood steps on the southwest sides of the pool should remain and be painted. I think the same is true of the concrete steps and ramps on the northwest and



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Response Continued:

northeast corners of the pools and ramps. Do not remove the handrails and guardrails that are the 1.5-inch diameter material, leave them and repaint them with industrial epoxy primer and paint. Extend the fence to ensure that the guardrails are sufficient similar to the existing condition at the concrete stairs. See **Exhibit #6**

Question 17: No detail is provided for the chain link fence (galvanized? Black vinyl-coated, etc?). Please provide details – material specs, height, and all other design criteria.

Response: See specs and details in **Exhibit #1** and **Exhibit #3**. Also see plan SP2-2R for location and height. (Attached hereto as **Exhibit #7**)

Question 18: How thick is the existing pool deck slab?

Response: 5 ½” to 6” per as-builts.

Question 19: Handrail detail 9/SP9-6 is vague – please provide pipe material specs, diameter, attachment detail, etc.

Response: See response to question 16 above.

Question 20: No guardrail detail provided – please provide material specs, height, attachment detail, etc. No finish details for gate – provide finish/color detail.

Response: Color should match Montage’s fence detail found on Addenda #1



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Question 21: Can you please supply specs for the 5' wrought iron fence and 5' chain link fence?

Response: Specs are part of Exhibit #1 above as well as the Ameristar's details.

Question 22: I understand that the quote is to include the four double swing gates to tie into the chain link fence. The drawings on SP9-6 show these gates as 85" tall. The chain link it ties into is described as only 60" tall. Is that all correct?

Response: The new plan SP2-2R indicates the fence locations, elevations and ties them to the details and specifications. See Exhibit #7

Question 23: Should the quote include the two double wide bleacher gates?

Response: The bleacher gates were added one to the north side and one to the south side. To be similar to the detail provided see Exhibit #5 only the height of the adjacent fence. See Exhibit #5

All other terms and conditions remain unchanged.

Michael McClung - Buyer, Purchasing and Warehouse Services
Chabot-Las Positas Community College District



ARCH • PAC
A Q U A T I C S

Addenda #2

To:	All Bidders	From:	Ken Moeller
Project:	Chabot College Pool Enclosure	Date:	Tuesday, June 23, 2020
Phone:		Pages:	
Re:		CC:	

• Items:

- 2.01 Specs for chain link & ornamental fence. Both specifications are attached hereto – Metal Fences and Gates is Section 32 31 00 and Chain Line Fence is 32 31 14 ([Exhibit #1](#)) the brochure for the fence & gates is also part of exhibit #1
- 2.02 Extent of fence. See attached [Exhibit #2](#), Sheets SP2-2R, SP9-5R & SP9-6R.
- 2.03 Details of chain link. See attached [Exhibit #3](#)
- 2.04 Clarify scope of work. Remove existing fence and put new fence per plan with required deck and access gates as shown on plan
- 2.05 Signage (w/spec). Does signage exist? New signage will only be required on gates, marking them as EXITS and to keep them closed.
- 2.06 Wood steps with steel handrails to remain in the Southeast and Southwest corners of the pool. Paint existing handrails typ. See [Exhibit #4](#)
- 2.07 Deck access gate for delivery. An access gate is added to the plan provided – it is an 8'-0" swimming gate on a wheel. It will be manufactured with steel and made to look like the Metal Fence. See [Exhibit #5](#)
- 2.08 Anticipated 6-8 weeks lead time for material from award date. Confirm this timeline would be acceptable. Yes, acceptable that schedule will begin after obtaining equipment.
- 2.09 Can Existing posts simply be cut and ground down? Or Does patching need to be done to the concrete? Existing bolts cut and ground down and Ardex topping should cover grind so as to match existing decking.
- 2.10 If patching is required related to question 2, what material should be used? Ardex to seal patching – the same material as chosen by the District for the remainder of the concrete deck topping.
- 2.11 Detail 7/SP9-5 and 6/SP9-6 show fence with 2-rails on top; detail 6/SP9-5 shows single top rail in elevation view. Which fence style is actually desired? Following CBC 31B-4 should be built as shown - also see 2.01 above
- 2.12 Is finish of Montage style fence to be manufacturer's standard black finish? Standard black finish per Montage' detail – see 2.01 above
- 2.13 Detail 2/SP9-6 notes LCN 4040 series closer; detail 3/SP9-6 notes Norton 7500 Parallel Arm Closer. Which type of closer is correct? According to the gate shop drawings it proposes to use a Norton 7500 and this will be supplied by Aquastar the gate manufacturer.
- 2.14 Can galvanized bolts be proposed instead of stainless steel for cost saving option/alternate. No, stainless steel only on/near pool deck
- 2.15 Is temporary fence required around whole area while work is being performed? Or, can fence be positioned in a phased manner, enclosing certain work area at a time? Temporary fence may not be required, but this would be means and methods – there is a fence around the deck area that can provide security and its use and security of your project will be your responsibility.
- 2.16 I believe that the guardrails at the wood steps on the southeast and southwest sides of the pool should remain and be painted. I think the same is true of the concrete steps and ramps on the northwest and northeast corners of the pools and ramps. Do not remove the

- handrails and guardrails that are the 1.5 inch diameter material, leave them and repaint them with industrial epoxy primer and paint. Extend the fence to ensure that the guardrails are sufficient similar to the existing condition at the concrete stairs. See [Exhibit #6](#)
- 2.17 No detail is provided for the chain link fence – see specs and details in Exhibit #1 & #3. Also see plan SP2-2R for location and height. (Attached hereto as [Exhibit #7](#))
- 2.18 How thick is the existing pool deck slab? 5 ½” to 6” per as-builts.
- 2.19 Handrail detail 9/SP9-6 is vague – please provide pipe material specs, height, attachment detail, etc. Handrails are to remain – see 2.16 above.
- 2.20 No finish details for gate – provide finish / color detail. Color should match Montage’ fence detail found on Addenda #1
- 2.21 Can you please supply specs for the 5’ wrought iron fence and 5’- chain link fence? Specs are part of [Exhibit #1](#) above as well as the Ameristar’s details
- 2.22 The quote is to include the four double swing gates to tie into the chain link fence. The drawings on SP9-6 show these gates as 85” tall. The chain link it ties into is described as only 60” tall. Is that all correct? The new plan SP2-2R indicates the fence locations, elevations and ties them to the details and specification. [See Exhibit #7](#)
- 2.23 Quote include the two double wide bleacher gates? The bleacher gates were added one to the north side and one to the south side. To be similar to the detail provided see Exhibit #5 only to the height of the adjacent fence. [See Exhibit# 5](#)

END OF ADDENDA #2

DIVISION 32 - SITEWORK
SECTION 32 31 14: CHAIN LINK FENCE
PART 1 - GENERAL

- 1.01 SUMMARY
- A. Division 1 and the General Conditions apply to all work in this Section.
 - B. This Section includes an industrial/commercial chain link fence.
 - 1. Galvanized steel with polymer coated chain link fabric.
 - 2. Polymer coated galvanized steel framework and fittings.
 - 3. Installation.
- 1.02 DESCRIPTION
- A. Work Included: All labor, materials, and equipment necessary to perform the work indicated.
 - B. 5-0" to 7'-0" high chain link fence fabric and gates as indicated on plans.
 - C. The fence fabric material is Polymer-Coated PVC Galvanized Steel Chain Link Fence.
- 1.03 SUBMITTALS
- A. Comply with pertinent provisions of Section 01 30 00.
 - B. Product Data: Submit Manufacturer's data, specifications, and installation instructions for metal fencing and structure.
 - 1. Shop Drawing to show the layout of fence location and dimensions, locations of gates, opening sizes, the elevation of the fence, and detail attachments.
 - 2. Certifications of Manufacturer's material certifications in compliance with current ASTM specifications.
- 1.04 QUALITY ASSURANCE
- A. Comply with the standards of the Chain Link Fence Manufacturer's Institute.
 - B. Provide metal fences and gates as a complete unit produced by a single manufacturer, including necessary erection accessories, fittings, and fastenings.
 - C. Comply with County Health Department requirements for pool enclosures.
 - D. Manufacturer and Fence Installation Contractor shall each possess demonstrated successful experience in manufacturing and installing on similar projects per ASTM F567 and have five years of experience.
 - E. Tolerances: the current published edition of ASTM specifications tolerances apply and take precedence.
- 1.05 STANDARDS & REFERENCES
- A. FS-RR-F-191/1 Federal Specification
 - B. F668 Polyvinyl Chloride and other Polymer-Coated Steel Chain-link Fence Fabric
 - C. F1712 Steel Chainlink Fencing Materials used for high-security applications
 - D. F1908 Fences for outdoor swimming pools
 - E. ASTM B6 Hot dip galvanizing of wire
 - F. ASTM F668 PVC coating
 - G. M-181 Chain Link Fence, Type IV, Class B
 - H. Color – ASTM F934 Black
 - I. ASTM A392 Specification for Zinc-Coated Steel Chain-Link Fabric
 - J. ASTM F552 Standard Terminology Relating to Chain Link Fencing
 - K. ASTM F567 Standard Practice for Installation of Chain Link Fence
 - L. ASTM F626 Specification for Fence Fittings
 - M. ASTM F668 Specification for Polymer-Coated Chain Link Fence Fabric
 - N. ASTM F934 Specification for Standard Colors for Polymer-Coated Chain Link
 - O. ASTM F1184 Specification for Industrial and Commercial Horizontal Slide Gates
 - P. ASTM F1664 Specification for PVC and other conforming organic polymer-coated tension wire used with chain link fence.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Subject to compliance with requirements, provide products by one of the following:
1. Southwestern Wire of Norman Oklahoma 405 447 6900
 2. Stephens Pipe & Fence, Russell Springs, Kentucky 800 451 2612
 3. Stateside Steel & Wire, West Memphis, Arkansas 866 733 1921
 4. Merchants Metals Manufacturing, Sacramento, CA 916 381 8243
 5. American Chain Link Fence Company, Omaha, NE 402 896 6722
 6. Anchor Fence, Inc. South San Francisco, CA 650 588 5000
 7. Swan Fence, 866 514 5040
 8. Reviewed as equal.

2.02 FABRIC

- A. Steel Chain Link Fabric (heights indicated on drawings). FS RR-F-191/1, Type IV, Class 2b, polymer coated galvanized after weaving (ASTM B6), top and bottom selvages knuckled (K&K). Fused and adhered fabric is a bonded vinyl, high strength galvanized steel, chain link fence.
1. Provide 9-gauge wire in 1" mesh, Galvanized & PVC Coated (Black) Top and bottom with selvage knuckled.
 2. Type IV is PVC coated over 5% zinc (galvanized) coated steel.
 3. The chain-link fence fabric shall be helically woven into a diamond mesh. Fabric shall be woven from the type of wire, mesh size and wire gauge size, and to the required height.
 4. The minimum thickness of fused and adhered PVC coating shall be 0.010 inches, and the minimum coating of the steel wire with Zinc shall be 1.2 ounces per square foot for 11 gauge. Coating shall be fusion / bonded to the wire – before weaving.
 5. Weaving PVC coated wire shall be capable of being woven into fabric without the PVC coating cracking, crazing, or peeling. PVC coating shall not shrink more than 1/16 inch per foot of length, or demonstrate a significant visual change in color or gloss, or exhibit breaks, cracks, crazing, crumbling, or other visual forms of failure.
 6. Selvage shall be knuckled at both the top and bottom (K&K)
 7. Polymer coated wire (Class 2b) shall have the polymer coating fused and adhered to wire that is zinc-coated by the hot-dip method or electrolytic process or aluminum coated by the hot-dip method. The use of a primer, if recommended by the polymer manufacturer, is recommended. The choice of wire coating upon which to bond polymer is the choice of the Manufacturer.
 8. The fabric of chain links shall conform to ASTM Specifications A392, F668, or F1345.

2.03 FRAMING

- A. Place new fence posts, framework, fittings, and accessories.
- B. All center posts to match the posts utilized for the metal fence having 2.5" square by 1/4" steel at all intermediate posts and to be the same color black with welded base plate and Simpson Teton stainless steel anchors as detailed. End posts and Jambs shall be 4" sq by 1/4".
- C. Black, Top, Bottom, and Brace Rails: FS RR-F-191/1D. Type IV, Class 2a. 1.9" o.d., 2.72 lb. per ft.
- D. Bottom Tension Wire: 7 gauge PVC coated galvanized coiled spring tension wire. (if needed with required rails)
- E. Post Caps:
1. Provide steel, wrought iron, or malleable iron, designed as a weathertight closure cap.
 2. Provide one cap for each post as provided by Ameristar. Caps for chain link posts and the Ameristar caps will be the same.

2.04 MISCELLANEOUS MATERIALS

- A. Concrete: Equivalent to ASTM C 94, ready mix concrete with minimum 28 day compressive strength of 4,500 p.s.i. (see Section 03 30 00) WC of .45 max)
- B. Chain-link fabric must stop at each post, and Ameristar post clamps utilized to hold tension rods in each fence section, typ.

PART 3 - EXECUTION

3.01 INSPECTION

- A. The installer must examine the conditions under which the fence material and gates are to be installed and notify the Contractor in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.

3.02 INSTALLATION

A. Posts:

1. New posts must be mounted on the existing deck at a maximum of 8' -0" on centers unless otherwise indicated.
2. Set posts in a straight line, true, plumb, and rigid.
3. Paint posts to match Ameristar black.
4. Attach Ameristar posts and chain-link fence posts in the same manner to the concrete deck.

B. Rails:

1. Rails & braces and all fence parts, not vinyl or PVC coated to be painted with black industrial epoxy paint.

C. Paint for items with galvanized finish other than fence fabric

1. Kelly Moore Industrial epoxy primer with two coats of glossy black Poly Urethane based Cardinal industrial coating.
 - a. Remove all foreign matter from surfaces to be repainted per SSPC-SP1, including rust, chemicals, scale, loose paint.
 - b. Primer to be KM-15 Chemical Mastic Epoxy
 - c. KM-398 High Build Gloss Polyurethane Enamel (2 coats)
 - d. Do not vary required proportions KM-398 is four parts base to one part KM-300-002 Hardener
 - e. Apply per Manufacturer's recommendations

END OF SECTION

DIVISION 32 – EXTERIOR IMPROVEMENTS
SECTION 32 31 00: METAL FENCES AND GATES
PART 1 - GENERAL

- 1.01 Division 1 and the General Conditions apply to all work of this Section.
- 1.02 Description:
- A. Work Included:
1. Providing metal fences.
 2. Providing metal gates.
 3. All labor, materials, and appurtenances necessary for the installation of the welded and bolted ornamental steel fence system as described in the plan documents.
- 1.03 Quality Assurance:
- A. Qualifications:
1. Perform shop welding on the premises of a fabricator certified by the D.S.A.
 2. Perform welding by welders approved and certified per requirements of A.W.S.
- B. Reference Standards:
1. "AISC Steel Construction Manual."
 2. "Code for Arc and Gas Welding in Building Construction," A.W.S. D1.0 of the American Welding Society.
 3. "Metal Finishes Manual" of the National Association of Architectural Metal Manufacturers (NAAMM).
 4. "Metal Bar Grating Manual," of the National Association of Architectural Metal Manufacturers.
 5. "Surface Preparation Specification, Vol. 2", of the Steel Structures Painting Council (SSPC).
- C. Labor:
1. The Contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and materials and techniques specified.
- 1.04 References
- A. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process.
- B. ASTM B117 - Practice for Operating Salt-Spray (Fog) Apparatus.
- C. ASTM D523 - Test Method for Specular Gloss.
- D. ASTM D714 - Test Method for Evaluating Degree of Blistering in Paint.
- E. ASTM D822 - Practice for Conducting Tests on Paint and Related Coatings and Materials using Filtered Open-Flame Carbon-Arc Light and Water Exposure Apparatus.
- F. ASTM D1654 - Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments.
- G. ASTM D2244 - Test Method for Calculation of Color Differences from Instrumentally Measured Color Coordinates.
- H. ASTM D2794 - Test Method for Resistance of Organic Coatings to the Effects of Rapid Deformation (Impact).
- I. ASTM D3359 - Test Method for Measuring Adhesion by Tape Test.
- J. ASTM F2408 – Ornamental Fences Employing Galvanized Steel Tubular Pickets.
- K. Galvanized rolled carbon steel shapes and steel plates: ASTM A36.
- L. Galvanized carbon steel tubing: ASTM A500 Grade A, or ASTM A501 seamless.
- M. Carbon steel bolts: ASTM A307, Grade A.
- N. Welding rods: Conform to A.W.S. requirements for the intended use.
- O. Stainless Steel concrete inserts: **As indicated on the plans.**
- P. Shop prime-coat paint: Conform to either FS TT-P-86 Type II for lead-free/alkyd type paint or to FS TT-P-645 for zinc chromate type paint.
- Q. Touch up for galvanized surfaces: All-State #321 Galvanizing Power (30% tin, 30% zinc, 40% lead,

- and flux) as manufactured by All-State Welding Alloys Company, or Speed Galvanized by W.D.L. Company, or equal.
- R. Non-shrink grout: Master Builders "Embedco," Mix a Hallemite Manufacturing Company, "Por-Rok" or equal.
- S. Metal enamel: FS TT-P37C.
- 1.05 Submittals:
- A. Submit complete shop drawings to the Architect for review in advance of fabrication and installation.
1. Show dimensions, sizes, thicknesses, gauges, finishes, joining, attachments, and relationship to adjacent work.
 2. Where welded connections, concrete inserts, and other items are required to receive other work, show exact locations required.
 3. For standard manufactured items, submit worksheets showing illustrated cuts of items to be furnished, scale, details, and dimensions.
- 1.06 Handling and Storage
- A. Upon receipt at the job site, all materials shall be checked to ensure that no damage 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.
- 1.07 Warranty
- A. All structural fence components (i.e., rails, pickets, and posts) shall be warranted within specified limitations, by the manufacturer for 20 years from the date of original purchase. Warranty shall cover any defects in material finish, including cracking, peeling, chipping, blistering or corroding.
- B. Reimbursement for the labor necessary to restore or replace components that are defective under the terms of manufactures warranty shall be guaranteed for five (5) years from the date of original purchase.

PART 2 - PRODUCTS

- 2.01 Manufacturer
- A. The fence system shall conform to Montage II® **Welded**, Ornamental Steel, Majestic design, with flush picket and bottom rail treatment, (2-Rails) style manufactured by Ameristar Fence Products, Inc., in Tulsa, Oklahoma.
- 2.02 Materials:
- A. Steel material for fence panels and posts shall conform to the requirements of ASTM A653/A653M, with a minimum yield strength of 45,000 psi (310 MPa) and a minimum zinc (hot-dip galvanized) coating weight of 0.90 oz/ft² (276 g/m²), Coating Designation G-90.
- B. Material for pickets shall be 1" square x 14 Ga. tubing. The rails shall be steel channel, 1.75" x 1.75" x .105". Picket holes in the Rail shall be spaced 4.715" o.c. Fence posts and gate posts shall meet the minimum size requirements of Table 1 herein.
- 2.03 Fabrication::
- A. Pickets, rails, and posts shall be pre-cut to specified lengths. Rails shall be pre-punched to accept pickets.
- B. Pickets shall be inserted into the pre-punched holes in the rails and shall be aligned to standard spacing using a specially calibrated alignment fixture. The aligned pickets and rails shall be joined at each picket-to-rail intersection by Ameristar's proprietary fusion welding process, thus completing the rigid panel assembly. The process produces a virtually seamless, spatter-free good-neighbor appearance, equally attractive from either side.
- C. The manufactured panels and posts shall be subjected to an inline electrodeposition coating (E-Coat) process consisting of a multi-stage pretreatment/wash, followed by a duplex application of an epoxy primer and an acrylic topcoat. The minimum cumulative coating thickness of epoxy and acrylic shall

- be 2 mils (0.058 mm). The color shall be **Black**. The coated panels and posts shall be capable of meeting the performance requirements for each quality characteristic shown in Table 2, herein. (Note: The requirements in Table 2 meet or exceed the coating performance criteria of ASTM F2408).
- D. The manufactured fence system shall be capable of meeting the vertical load, horizontal load, and infill performance requirements for Industrial weight fences under ASTM F2408.
 - E. Swing gates (to 4' -0" max) shall be fabricated using 1.75" x 14ga Forerunner double-channel rail, 2" sq. X 12ga. Gate ends, and 1" sq. X 14ga. Pickets. All rail and upright intersections shall be joined by welding. All picket and rail intersections shall also be joined by welding. Gusset plates will be welded at each upright to rail intersection.
 - F. Pedestrian swing gates shall be self-closing, and self-latching and have a gate leaf no larger than 48" width. Integrated hinge-closer set (2 qty) shall be A.D.A. compliant that shall include variable speed and final snap adjustment with a compact design (no greater than 5" x 6" footprint). Hinge-closer set (2 qty) shall be tested to a minimum of 500,000 cycles and capable of self-closing gates up to a maximum gate weight of 260 lbs., and maximum weight load capacity of 1,500 lbs. Hinge-closer devices shall be externally mounted with tamper-resistant security fasteners, with a full range of adjustability, horizontal (.5" - 1.375"), and vertical (0 - .5"). Maintenance-free hinge-closer set shall be tested to operate in temperatures of negative 20 F to 200 F degrees, and swings to negative 2 degrees to ensure positive final lock engagement.

PART 3 - EXECUTION

3.01 PREPARATION

- A. All new installation shall be laid out by the Contractor following the construction plans.

3.02 FENCE INSTALLATION

- A. Fence post shall be spaced according to Table 3 herein, plus or minus ½". Fence panels shall be attached to posts with brackets supplied by the manufacturer. Posts setting as plated posts or are permissible only if shown by engineering analysis to be sufficient in strength for the intended application.

3.03 FENCE INSTALLATION MAINTENANCE

- A. When cutting/drilling rails or posts, adhere to the following steps to seal the exposed steel surfaces; 1) Remove all metal shavings from the cut area.
2) Apply zinc-rich primer to cover cut edge and/or drilled hole thoroughly; 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 the 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. The use of non-Ameristar parts or components will negate the manufactures' warranty.

3.04 GATE INSTALLATION

- A. Gate posts shall be spaced according to the manufacturers' gate drawings, dependent on standard out-to-out gate leaf dimensions and gate hardware selected. The 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 manufacturer of the gate and shall be installed per manufacturer's recommendations.

3.05 CLEANING

- A. The Contractor shall clean the job site of excess materials; post-hole excavations shall be scattered uniformly away from posts.

Table 1 – Minimum Sizes for Montage II Posts				
<u>Fence Posts</u>		<u>Panel Height</u>		
2-1/2" x 12 Ga.		Up to & Including 6' Height		
3" x 12 Ga.		Over 6' Up to & Including 8' Height		
<u>Gate Leaf</u>		<u>Gate Height</u>		
		<u>Up to & Including 4'</u>	<u>Over 4' Up to & Including 6'</u>	<u>Over 6' Up to & Including 8'</u>
Up to 4.'		2-1/2" x 12 Ga.	3" x 12 Ga.	3" x 12 Ga.
4'1" to 6'		3" x 12Ga.	4" x 11 Ga.	4" x 11 Ga.
6'1" to 8'		3" x 12 Ga.	4" x 11 Ga.	6" x 3/16"
8'1" to 10'		4" x 11 Ga.	6" x 3/16"	6" x 3/16"
10'1" to 12'		4" x 11 Ga.	6" x 3/16"	6" x 3/16"
12'1" to 14'		4" x 11 Ga.	6" x 3/16"	6" x 3/16"
14'1" to 16'		6" x 3/16"	6" x 3/16"	6" x 3/16"

Table 2 – Coating Performance Requirements		
<u>Quality Characteristics</u>	<u>ASTM Test Method</u>	<u>Performance Requirements</u>
Adhesion	D3359 – Method B	Adhesion (Retention of Coating) over 90% of the test area (Tape and knife test).
Corrosion Resistance	B117, D714 & D1654	Corrosion Resistance over 1,500 hours (Scribed per D1654; failure mode is the accumulation of 1/8" coating loss from a 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 – Montage II – Post Spacing By Bracket Type										
Span	For INVINCIBLE® 8' Nominal (91-1/2" Rail)				For CLASSIC, GENESIS, & MAJESTIC 8' Nominal (92-5/8" Rail)					
	2-1/2"	3"	2-1/2"	3"	2-1/2"	3"	2-1/2"	3"	2-1/2"	3"
Bracket Type	Industrial Flat Mount (BB301)*		Industrial Line 2-1/2" (BB319) 3" (BB320)		Industrial Universal 2.5" (BB302) 3" (BB303)		Industrial Flat Mount (BB301)		Industrial Swivel (BB304)*	
Post Settings ± 1/2" O.C.	94-1/2"	95"	94-1/2"	95"	96"	96-1/2"	96"	96-1/2"	*96"	*96-1/2"

*Note: When using BB304 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. When using the BB301 flat mount bracket for Invincible style, Rail may need to be drilled to accommodate Rail to bracket attachment.

3.06 COORDINATION WITH OTHER WORK:

- A. Examine drawings and specifications and include all miscellaneous metalwork, which is not distinctly specified in other sections.
- B. Provide all connections, anchors, bolts, welding cutting, punching, drilling, tapping, or other connecting required to fit miscellaneous metal with other work.

- C. Provide items to be installed by other trades well in advance, to permit proper sequencing and scheduling of other work.
- 3.07 INSTALLATION:
- A. Miscellaneous metal work shall be free from defects that would impair strength, durability, and appearance.
 - B. Erect plumb, straight, true, and accurately fit in place. Brace, reinforce, and anchor in place. Grind all field welds.
 - C. Provide non-shrink grouting of all frames, plates, sills, bolts, and other items not designated to be done by others.
 - D. Conceal all connections in the finished work, where possible. Exposed screw connections shall be Allen-head screws matching the materials they fasten.
 - E. Set railing standards true and plumb in properly positioned sleeves, then brace to position and cement in place with molten lead or quick-setting cement as specified in sub-heading 2.01-l.
 - F. Protect all dissimilar metals from galvanic corrosion by pressure tapes, coatings, or isolators.
 - G. After erection, clean off all rust, scale, and oil. Clean field welds, bolts, and abraded areas. Touch up all areas with the same material as used for the shop coat, leaving all surfaces ready to receive finish coats.
 - H. Apply two finish coats of Manufacturer-provided exterior metal enamel to metal surfaces, color as indicated on construction detail or material schedule.
- 3.04 REPAIR OF DEFECTS:
- A. All defective or damaged work shall be replaced, removed, and repaired at no cost to the Contractor.
- 3.05 CLEAN-UP:
- A. Clean up and remove from the site all unused materials and debris resulting from the performance of this work, not less than once a week or the last working day each week. All trash shall be removed completely from the project site and disposed of lawfully.

END OF SECTION

MONTAGE II®



INDUSTRIAL ORNAMENTAL STEEL FENCE

Built for strength yet a penchant for beauty, Montage II is an industrial weight steel fence that delivers on both levels. Superior welding techniques create a profile that lends itself to landscaping design while maintaining a level of perimeter security that is unmatched.

PRIMARY APPLICATIONS

- State Facilities
- Government Facilities
- Airports
- Water Treatment & Storage
- Public Housing Authorities
- Parks & Recreation
- Stadiums & Event Centers
- Schools & Universities
- Hospitals



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ASSA ABLOY, the global leader in door opening solutions

AMERISTAR®

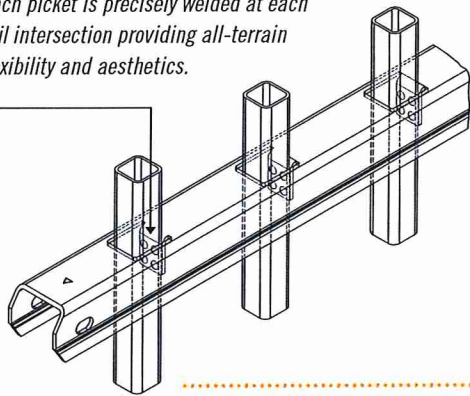
ASSA ABLOY

MONTAGE II®

INDUSTRIAL ORNAMENTAL STEEL FENCE

1"sq x 14ga PICKETS | 1.75" x 1.75" x 12ga RAILS | 2.5"sq x 12ga & 3"sq x 12ga POSTS

Each picket is precisely welded at each rail intersection providing all-terrain flexibility and aesthetics.



STYLE OPTIONS



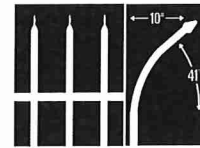
CLASSIC™



MAJESTIC™



GENESIS™



INVINCIBLE™

PROFUSION WELDED STEEL



All Montage fence panels are fabricated using Ameristar's ProFusion welding process. This technique combines laser and fusion technology to create a virtually invisible structural connection at every picket to rail intersection. Unlike typical aluminum fence systems that are held together with unsightly screws, the ProFusion weld used with Montage promotes a "good neighbor" profile with sleek lines and no exposed picket to rail fasteners. When compared to aluminum fencing, Montage's welded steel construction is unmatched in strength and durability.



E-COAT™ PROTECTIVE FINISH

Montage galvanized steel framework is subjected to a multi-stage pre-treatment/wash (with zinc phosphate), followed by a duplex cathodic electrocoat system consisting of an epoxy primer, which significantly increases corrosion protection, and an acrylic topcoat, which provides the protection necessary to withstand adverse weathering effects. This process results in years of maintenance-free ownership.



20 YEAR LIMITED WARRANTY

The Montage families of fencing products are manufactured from superior quality materials by skilled craftsmen with the highest standards of workmanship in the industry. Ameristar is confident in offering Montage with a 20 year limited 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

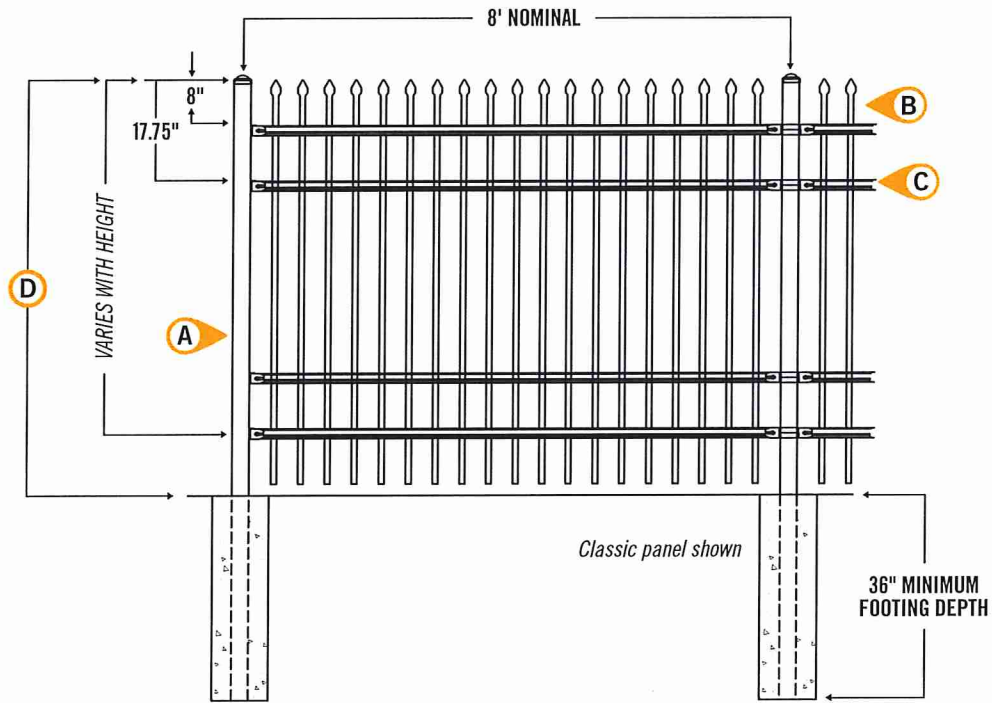
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VISIT AMERISTARFENCE.COM

MONTAGE II[®] | 2, 3 & 4-RAIL OPTIONS | 4" AIR-SPACE

STANDARD BOTTOM & FLUSH BOTTOM OPTIONS AVAILABLE

PATENT NUMBERS: 7071439, 7621510, 7980534, 8523150, 9840854



- Ⓐ 2.5"sq x 12ga / 3"sq x 12ga POSTS
- Ⓑ 1"sq x 14ga PICKETS
- Ⓒ 1.75"w x 1.75"h x 12ga RAILS
- Ⓓ 3', 3½', 4', 4½', 5', 6', 7' & 8' PANEL HEIGHTS

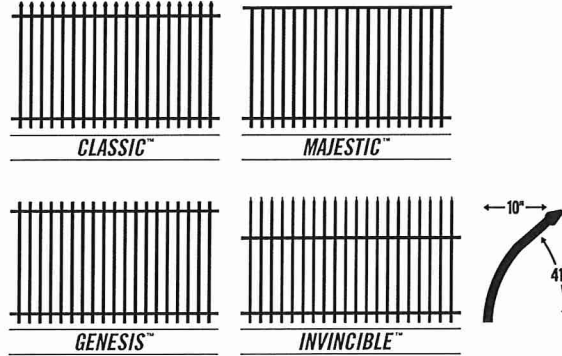
Refer to construction specification & tables within this section for recommended post space by bracket type

Effective: 01/01/18

MONTAGE II® | 2-RAIL PANELS | 4" AIR GAP

STANDARD BOTTOM | 8' PANEL LENGTH (92.625" / 91.5"† actual width) | 19 / 20† PICKETS PER PANEL

PANEL	ITEM NUMBER	WEIGHT	STOCKING
3'	2H☒Ⓞ20348†	77 / 83† lbs	☉
3½'	2H☒Ⓞ20408†	85 / 92† lbs	☉
4'	2H☒Ⓞ20468	94 lbs	☉
5'	2H☒Ⓞ20588	110 lbs	☉
6'	2H☒Ⓞ20708	127 lbs	☉
7'	2H☒Ⓞ20828†	144 / 155† lbs	☉
8'	2H☒Ⓞ20948†	160 / 172† lbs	☉



☒ = FENCE STYLES AVAILABLE | **C** = Classic **M** = Majestic
G = Genesis **I** = Invincible†

Ⓞ = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze

☉ = NON-STOCKED PRODUCT

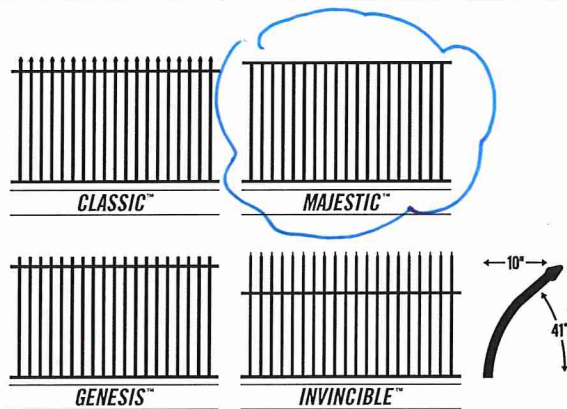
For details, see Ameristar's Sales Policy in the catalog guide.

Notes: Genesis panels are packaged with BLACK picket plugs for black & bronze.

MONTAGE II® | 2-RAIL PANELS | 4" AIR GAP

FLUSH BOTTOM | 8' PANEL LENGTH (92.625" / 91.5"† actual width) | 19 / 20† PICKETS PER PANEL

PANEL	ITEM NUMBER	WEIGHT	STOCKING
3'	2H☒Ⓞ20348F†	77 / 83† lbs	☉
3½'	2H☒Ⓞ20408F†	85 / 92† lbs	☉
4'	2H☒Ⓞ20468F	94 lbs	☉
5'	2H☒Ⓞ20588F	110 lbs	☉
6'	2H☒Ⓞ20708F	127 lbs	☉
7'	2H☒Ⓞ20828F†	144 / 155† lbs	☉
8'	2H☒Ⓞ20948F†	160 / 172† lbs	☉



☒ = FENCE STYLES AVAILABLE | **C** = Classic **M** = Majestic
G = Genesis **I** = Invincible†

Ⓞ = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze

☉ = NON-STOCKED PRODUCT

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

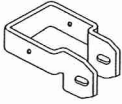
Notes: Genesis panels are packaged with BLACK picket plugs for black & bronze.

Effective: 01/01/18

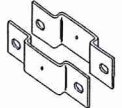
MONTAGE II® | BRACKETS

AVAILABLE IN BAG QUANTITIES ONLY

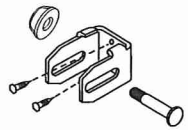
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DESCRIPTION	SIZE	ITEM NUMBER	BAG QTY	BOX QTY	WEIGHT
Industrial Universal Boulevard Bracket*	2.5"	B⊗302SR	2	40 bags	.46 lbs
	3"	B⊗303SR	2	30 bags	.53 lbs
Bags packaged with: #14 x .75" self-drilling screws .25" x 2-1/2" carriage bolts .25" tri groove security nuts					



Invincible Line Bracket	2.5"	B⊗319SR	2	12 bags	1.2 lbs
	3"	B⊗320SR	2	15 bags	1.2 lbs
Bags packaged with: #14 x .75" self-drilling screws .25" x 2-1/2" carriage bolts .25" tri groove security nuts					



Industrial Flat Mount Bracket	n/a	B⊗301SR	2	50 bags	.42 lbs
Bags packaged with: #14 x .75" self-drilling screws .25" x 2-1/2" carriage bolts .25" tri groove security nuts					



Swivel Bracket	n/a	B⊗304SR	2	40 bags	1.0 lbs
Bags packaged with: .3125" x 4" carriage bolt .3125" flange nut .25" x 2-1/2" carriage bolt .25" tri groove security nut					

⊗ = COLOR OPTIONS AVAILABLE | B = Black N = Bronze

* Not for use with Invincible style panels

MONTAGE II® | FASTENERS

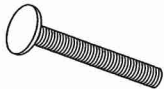
AVAILABLE IN BAG QUANTITIES ONLY



DESCRIPTION	ITEM NUMBER / BLACK	BAG QTY	WEIGHT
#14 x .75" Self-Drilling Screws	H⊗524P-50	50	.6 lbs
Steel hex head self-drilling screws for attaching Montage II brackets & adornments			



.25" x 2-1/2" Carriage Bolts	2-0068-⊗P	1	.03 lbs
Steel carriage bolts for Montage II bracket installations			



Carriage Bolts	4" x .3125"	2-0048-⊗P	1	.090 lbs
Steel flat head screws for setting angle on Montage II swivel brackets				



.3125" Flange Nuts	H⊗300P	1	.013 lbs
.3125" steel flange nuts for industrial swivel brackets			



.25" Tri Groove Security Nuts	3-0033-⊗P-20	20	.3 lbs
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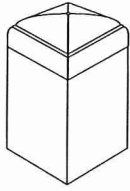
Fastener Socket	6-0058PFG	1	.06 lbs
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⊗ = COLOR OPTIONS AVAILABLE | B = Black N = Bronze

⊗ = COLOR OPTIONS AVAILABLE | 1 = Black 2 = Bronze

Effective: 01/01/18

MONTAGE II® | STEEL SQUARE POSTS



STEEL POSTS

	POST LENGTH	ITEM NUMBER	WEIGHT
2.5"sq. x 12ga.	5'	P⊗25060	16 lbs
	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
	5'	P⊗30060	20 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 11ga.	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
	10'	P⊗40120	67 lbs
6"sq. x .1875" wall	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
8"sq. x .25" wall	11'	P⊗60132	160 lbs
	12'	P⊗60144	174 lbs
	9'	P⊗80108	233 lbs
	10'	P⊗80120	259 lbs
	11'	P⊗80132	285 lbs
	12'	P⊗80144	311 lbs

⊗ = COLOR OPTIONS AVAILABLE | B = Black | N = Bronze

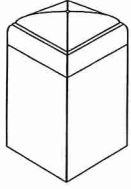
NOTE: In locations subject to freezing temperatures, where posts are grouted into core-drilled holes, a .25" diameter hole should be drilled into the post approximately .5" above the elevation to allow for drainage of ground water build-up. The drilled hole must be wiped clean and be dry prior to applying Ameristar zinc primer and color finish.

Effective: 01/01/18

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MONTAGE II[®] | STEEL PLATED SQUARE POSTS



STEEL POSTS

	POST LENGTH	PLATE SIZE	ITEM NUMBER	WEIGHT
2½"sq. x 12ga.	4'	5" sq. x .25" / .5625" holes (8833G)	P⊗25048P	16 lbs
	5'	5" sq. x .25" / .5625" holes (8833G)	P⊗25060P	19 lbs
	6'	5" sq. x .25" / .5625" holes (8833G)	P⊗25072P	22 lbs
	7'	5" sq. x .25" / .5625" holes (8833G)	P⊗25084P	26 lbs
	8'	5" sq. x .25" / .5625" holes (8833G)	P⊗25096P	28 lbs
	9'	5" sq. x .25" / .5625" holes (8833G)	P⊗25108P	31 lbs
3"sq. x 12ga.	4'	6" sq. x .25" / .5625" holes (5003G)	P⊗30048P	20 lbs
	5'	6" sq. x .25" / .5625" holes (5003G)	P⊗30060P	24 lbs
	6'	6" sq. x .25" / .5625" holes (5003G)	P⊗30072P	30 lbs
	7'	6" sq. x .25" / .5625" holes (5003G)	P⊗30084P	34 lbs
	8'	6" sq. x .25" / .5625" holes (5003G)	P⊗30096P	39 lbs
	9'	6" sq. x .25" / .5625" holes (5003G)	P⊗30108P	43 lbs
4"sq. x 11ga.	4'	8" sq. x .375" / .5625" holes (8876G)	P⊗40048P	33 lbs
	5'	8" sq. x .375" / .5625" holes (8876G)	P⊗40060P	39 lbs
	6'	8" sq. x .375" / .5625" holes (8876G)	P⊗40072P	47 lbs
	7'	8" sq. x .375" / .5625" holes (8876G)	P⊗40084P	54 lbs
	8'	8" sq. x .375" / .5625" holes (8876G)	P⊗40096P	61 lbs
	9'	8" sq. x .375" / .5625" holes (8876G)	P⊗40108P	67 lbs

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

NOTE: Plated posts used with Majestic may require an additional 1" longer than the panel or gate height, depending on the grade elevation.

Effective: 01/01/18

MONTAGE II® | FINIALS & ADORNMENTS

FINIALS & PICKET PLUGS FOR GENESIS PANELS ONLY



QUAD FLARE

1" / .5 lbs
 A⊗ 512



TRIAD

1" / .5 lbs
 A⊗ 514



ROYALTY

1" / .26 lbs
 A⊗ 526

1" PRESS FIT PICKET FINIALS

» 19 finials required per panel

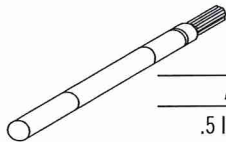
⊗ = COLOR OPTIONS AVAILABLE | **B** = Black | **N** = Bronze

NOTE: Picket plugs are available in bag quantities only / 20 plugs per bag; Item number 8450P-20

MONTAGE II® | CUSTOM FINISHES

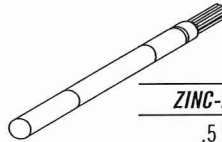
WARRANTY ON CUT COMPONENTS VOID WITHOUT PROPER TOUCH-UP APPLICATION*

*For details & the guidelines for the proper 3-step process, see Ameristar's Sales Policy in the catalog guide



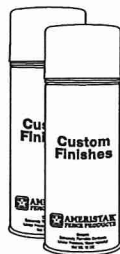
PAINT PEN

.5 lbs / P⊗100



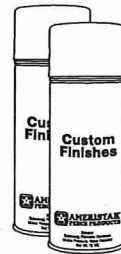
ZINC-RICH PAINT PEN

.5 lbs / PZ100



SPRAY PAINT

1.1 lbs / F⊗ 100



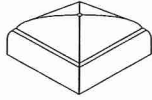
ZINC-RICH PRIMER

1.1 lbs / FZ100

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

Effective: 01/01/18

MONTAGE II® | POST CAPS



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

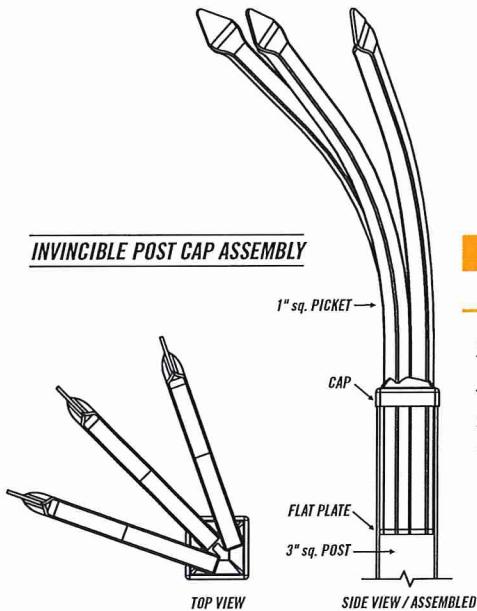


BALL CAP
Aluminum

CAP SIZE	ITEM NUMBER	WEIGHT
2.5"sq.	A⊗ 513	.7 lbs
3"sq.	A⊗ 516	.8 lbs
4"sq.	A⊗ 517	2 lbs
6"sq.	A⊗ 521	8 lbs

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

INVINCIBLE POST CAP ASSEMBLY



CAP SIZE	ITEM NUMBER	WEIGHT
3"sq.	2R1⊗ 100	8.2 lbs

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

NOTE: Assembled kit fits over 3" sq. post / Three curved pickets radiate at equal angles to cover the space above the corner post.

Effective: 01/01/18

MONTAGE II® | LIMITED WARRANTY

WELDED ORNAMENTAL FENCE

Ameristar's Montage II® welded ornamental fences are manufactured from the highest quality materials by skilled craftsmen to meet the highest standards of workmanship in the industry. Galvanized steel framework is subjected to a multi-stage pretreatment/wash, followed by a duplex cathodic electro-coat system consisting of an epoxy primer, which significantly increases corrosion protection, and an acrylic liquid topcoat, which provides the protection necessary to withstand adverse weathering effects.

The electro-coated surface on all Montage II welded ornamental panels and posts are guaranteed under normal and intended usage, against cracking, peeling, chipping, blistering or corroding commencing with the original purchase date and extending according to the applications defined in the table below. Normal and intended usage does not include physical damage, abrasion, or heavy salt spray exposure to the protective coating.

THE FOLLOWING ACTS AND/OR OMISSIONS WILL VOID THE SUBJECT WARRANTY:

- Damage to the product caused by the property owner by use of landscape, gardening equipment, chemicals that may cause damage, and/or water sprinklers with high mineral content;
- Damage caused by adhesion of chicken wire, chain link mesh, welded wire, or other similar substance to the product;
- Damage caused by allowing plant life of any sort to grow directly upon or in contact with any portion of the product or sap from trees;
- Any alteration to the product itself by the property owner including any on-site cutting or welding; and/or, failure to follow any and all maintenance instructions provided by Ameristar® at the time of sale to the original purchaser even if these instructions are not forwarded to the ultimate claimant under this warranty.
- When cutting Montage II immediately seal the exposed surfaces by 1) Removing all metal shavings from the cut area 2) Applying zinc-rich primer to thoroughly cover cut edge and drilled hole and, after letting dry, 3) Applying two (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.

Ameristar Montage II welded ornamental fences are also guaranteed for the same period of time against defects in workmanship or materials. Should any Montage II welded ornamental panel or post manufactured by Ameristar fail in accordance with any of the above conditions, Ameristar warrants to the original purchaser their redemption through replacement, renewal or issuance of a pro-rated credit. The choice of redemption method is solely at the discretion of Ameristar. If the pro-rated alternative is chosen, the amount will be based on the original cost of materials at the date of purchase multiplied by the appropriate time and exposure factor from the table below:

APPLICATION	LENGTH OF WARRANTY
Fence Installations 0 to 1 Mile from Salt Water Coast Line	5 YEARS
Fence Installations 1 Mile to 10 Miles from Salt Water Coast Line	10 YEARS
Fence Installations Over 10 Miles from Salt Water Coast Line	20 YEARS

Regardless of location and years in service, evidence of historical salt spray exposure shall be considered as grounds to void any warranty obligations.

Notice of failure under the conditions of this warranty shall be sent to Ameristar 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 as well as photographs of current site conditions. Should the fence be improperly installed, Ameristar 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, salt spray exposure (see Table and Note above), vandalism, or acts of God. Ameristar reserves the right to inspect the material to determine validity of the claim. Upon acceptance of the claim by Ameristar or its authorized representative, redemption by replacement, renewal or issuance of a pro-rated credit shall be made by Ameristar. Reimbursement for labor necessary to restore and/or replace components that have been found defective under the terms of this warranty is guaranteed to the original purchaser for a period of five (5) years from the original purchase date. Ameristar reserves the right to select the qualified company or individual to perform the labor to repair or replace the components that are deemed to be defective under the terms of this warranty.

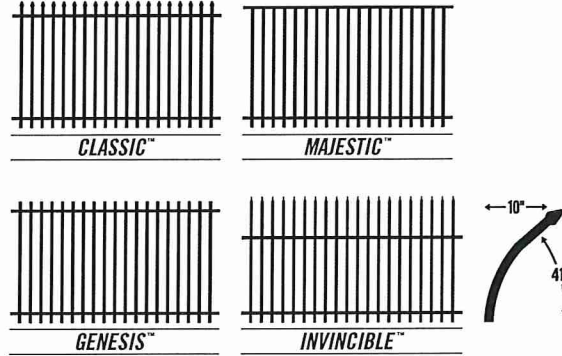
The above constitutes the complete warranty by the manufacturer. No other agreement, written or implied, is valid. Ameristar Fence Products does not authorize any other person or agent to make any other express warranties. Ameristar neither assumes nor authorizes any other person or agent to assume any other liability in connection with the Montage II welded ornamental fence system.

Effective: 01/01/18

MONTAGE II® | 2-RAIL PANELS | 4" AIR GAP

STANDARD BOTTOM | 8' PANEL LENGTH (92.625" / 91.5"† actual width) | 19 / 20† PICKETS PER PANEL

PANEL	ITEM NUMBER	WEIGHT	STOCKING
3'	2H☒Ⓞ20348†	77 / 83† lbs	☉
3½'	2H☒Ⓞ20408†	85 / 92† lbs	☉
4'	2H☒Ⓞ20468	94 lbs	☉
5'	2H☒Ⓞ20588	110 lbs	☉
6'	2H☒Ⓞ20708	127 lbs	☉
7'	2H☒Ⓞ20828†	144 / 155† lbs	☉
8'	2H☒Ⓞ20948†	160 / 172† lbs	☉



☒ = FENCE STYLES AVAILABLE | **C** = Classic **M** = Majestic
G = Genesis **I** = Invincible†

Ⓞ = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze

☉ = NON-STOCKED PRODUCT

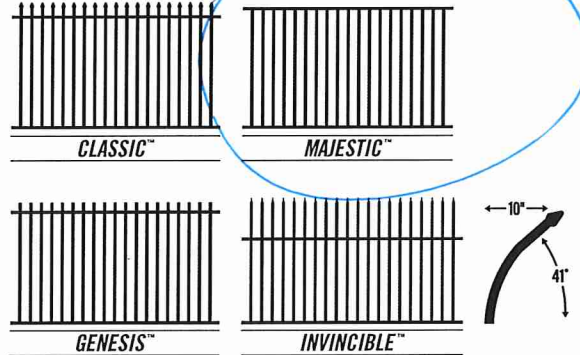
For details, see Ameristar's Sales Policy in the catalog guide.

Notes: Genesis panels are packaged with BLACK picket plugs for black & bronze.

MONTAGE II® | 2-RAIL PANELS | 4" AIR GAP

FLUSH BOTTOM | 8' PANEL LENGTH (92.625" / 91.5"† actual width) | 19 / 20† PICKETS PER PANEL

PANEL	ITEM NUMBER	WEIGHT	STOCKING
3'	2H☒Ⓞ20348F†	77 / 83† lbs	☉
3½'	2H☒Ⓞ20408F†	85 / 92† lbs	☉
4'	2H☒Ⓞ20468F	94 lbs	☉
5'	2H☒Ⓞ20588F	110 lbs	☉
6'	2H☒Ⓞ20708F	127 lbs	☉
7'	2H☒Ⓞ20828F†	144 / 155† lbs	☉
8'	2H☒Ⓞ20948F†	160 / 172† lbs	☉



☒ = FENCE STYLES AVAILABLE | **C** = Classic **M** = Majestic
G = Genesis **I** = Invincible†

Ⓞ = COLOR OPTIONS AVAILABLE | **B** = Black **N** = Bronze

☉ = NON-STOCKED PRODUCT

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

Notes: Genesis panels are packaged with BLACK picket plugs for black & bronze.

Effective: 01/01/18

AMERISTAR®
ASSA ABLOY

| TO PLACE YOUR ORDER CALL 888-333-3422 | VISIT AMERISTARFENCE.COM

VALUE SERIES®

V40

Rim Exit Device

The V40 Series rim exit device is secure and durable panic and fire exit hardware at an economical price. It is designed for use on all types of single and double doors with mullions. The patented mounting plate and strike locator system ensures the easiest and most accurate installation of panic hardware available.



V40
(628 Finish)



V40
(711 Finish)

ANSI 156.3 - 2008
Grade 1
Type 1

Standard V40 Rim Device accommodates wide stile doors, 4" or greater stile, and flush doors. For Narrow Stile doors, 2" to 2 1/2" stiles, specify V40xNS model which provides a 2" longer device and a lower profile strike.

Benefits

- Priced to be the best value for durable and attractive loss prevention panic hardware
- Patented mounting plate and strike locator replaces paper templates
- Minimal door prep saves time and money
- Fast and easy installation saves time and money
- Fits almost any door in any décor
- Outside trims are easily changed or rekeyed without removing device from door
- Angled end cap deflects damage away from device

Features

- Covers a 161 door prep
- Stainless steel, 3/4" deadlocking Pullman-type latch bolt
- Non-handed
- Field sizeable
- 1/8 turn hex key dogging
- Heavy-duty ribbed aluminum rail extrusion
- High impact ABS and anodized surfaces
- Withstands over 1400 pounds of static pull force for greater security
- Modular design accepts a variety of outside trims and functions
- Standard and narrow stile pull trims available

Mechanical Options

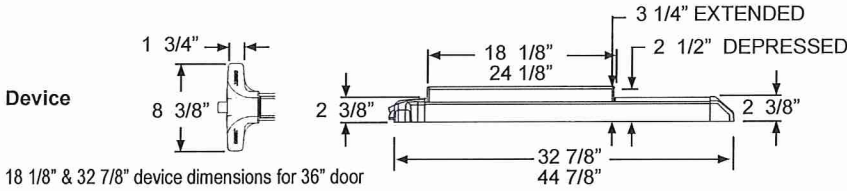
- CD - Cylinder Dogging
- HD - Hex Dogging (Std.)
- LD - Less Dogging
- 36 - Fits 36" Door Width (Std.)
- 48 - Fits 48" Door Width
- For Narrow Stile that fits 2" Narrow stile glass door see V40xNS
- F - 3-Hour Fire Rated
- H - Hurricane Rated
- 99 - Surface Strike (Std.)
- 98 - Semi Mortise Strike
- Available with 628 Base Rail Extrusion (Std.)
- Available with 711 Base Rail Extrusion
- FC3 - Flexible 3' Conduit Kit, mounts to device end cap
- FC10 - Flexible 10' Conduit Kit, mounts to device end cap
- PT5 - Concealed mortise mount power transfer
- EH8 - Five-knuckle energy transfer hinge - 8 wires

For full list of available mechanical options, see V40 Series How To Order page

Electrical Options

- Exit Alarm (EA)
- Exit Alarm with 9 volt Battery (EB)
- Electric Dogging (ED)
- Delayed Egress (EE)
- Electric Integration (EI)
- Electric Latch Retraction with Request to Exit Switch (ER EX)
- Electric Switching (ES)
- Request to Exit (EX)

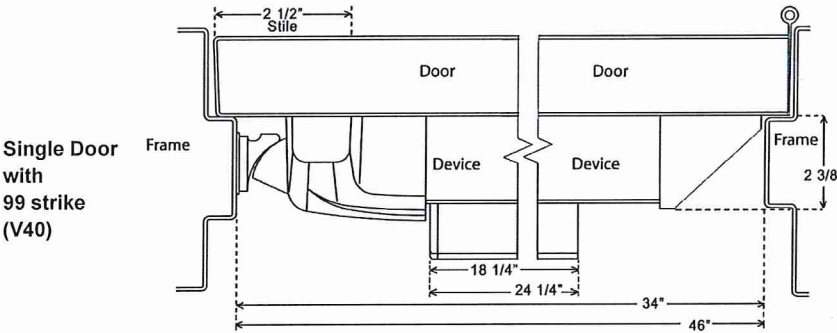
Dimensions



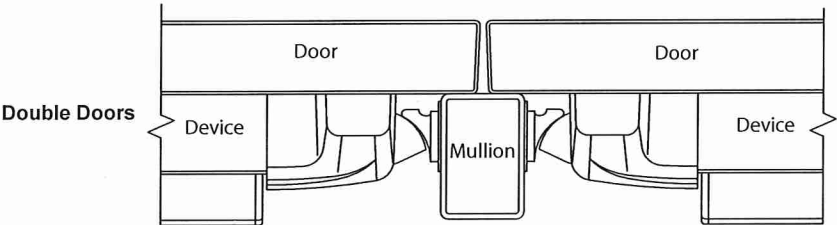
18 1/8" & 32 7/8" device dimensions for 36" door

24 1/8" & 44 7/8" device dimensions for 48" door

Add 2" for NS



Single Door with 99 strike (V40)



Double Doors

Accessories

- SN1 - Sex Nut Fasteners
- GB2 - Glass Bead Kit
- NSK- Narrow Kit - for 2" narrow stile glass door applications that must be added in the field
- Outside Trim (see Value Series Trim Options)
- Optional Sex Nuts or Security Torx Screws available

Technical Information

- Door Types - Wood, Hollow Metal, Fiberglass or Aluminum
- Door Thickness - Fits standard 1-3/4" - 2-1/4"
- Single Door Stile - Fits 3-1/2" minimum stile doors with 99 surface strike (Std.)
- Pairs of Doors Stile - Fits 4" minimum stile doors with 99 surface strike
- Door Stile - Fits 2" narrow stile doors - specify NS
- Machine and Self-Drilling Screws (Std.)

Detex Limited Warranty

10 Year Mechanical/3 Year Electrical Limited Manufacturer's Warranty

Listings and Approvals



UL Listed Panic Hardware



UBC 97, Standard 7-2 and UL10B/UL10C for positive pressure



UL Listed Fire Exit Hardware for 3 hours, maximum 4'x10' single doors and pairs of 4'x8' with F90KR keyed removable mullion



Meets NFPA 80 & 101 for Life Safety



Meets ADA requirements



State of Florida Approval



Texas Department of Insurance



ANSI/BHMA certified A156.3



California State Fire Marshall



Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA

PH. (830) 629-2900

(800) 729-3839

FAX (800) 653-3839

http://www.detex.com

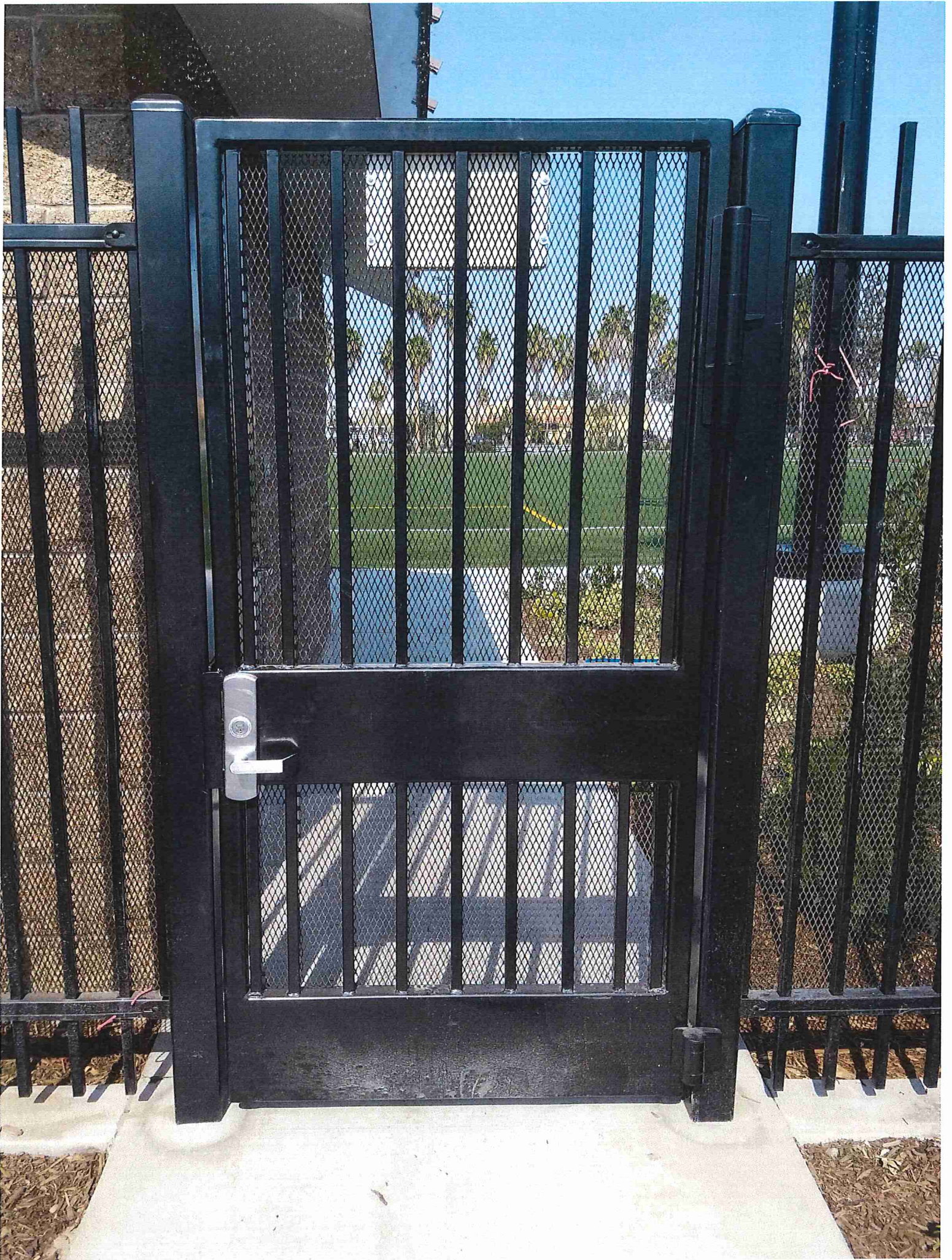
USA Sales:

marketing@detex.com

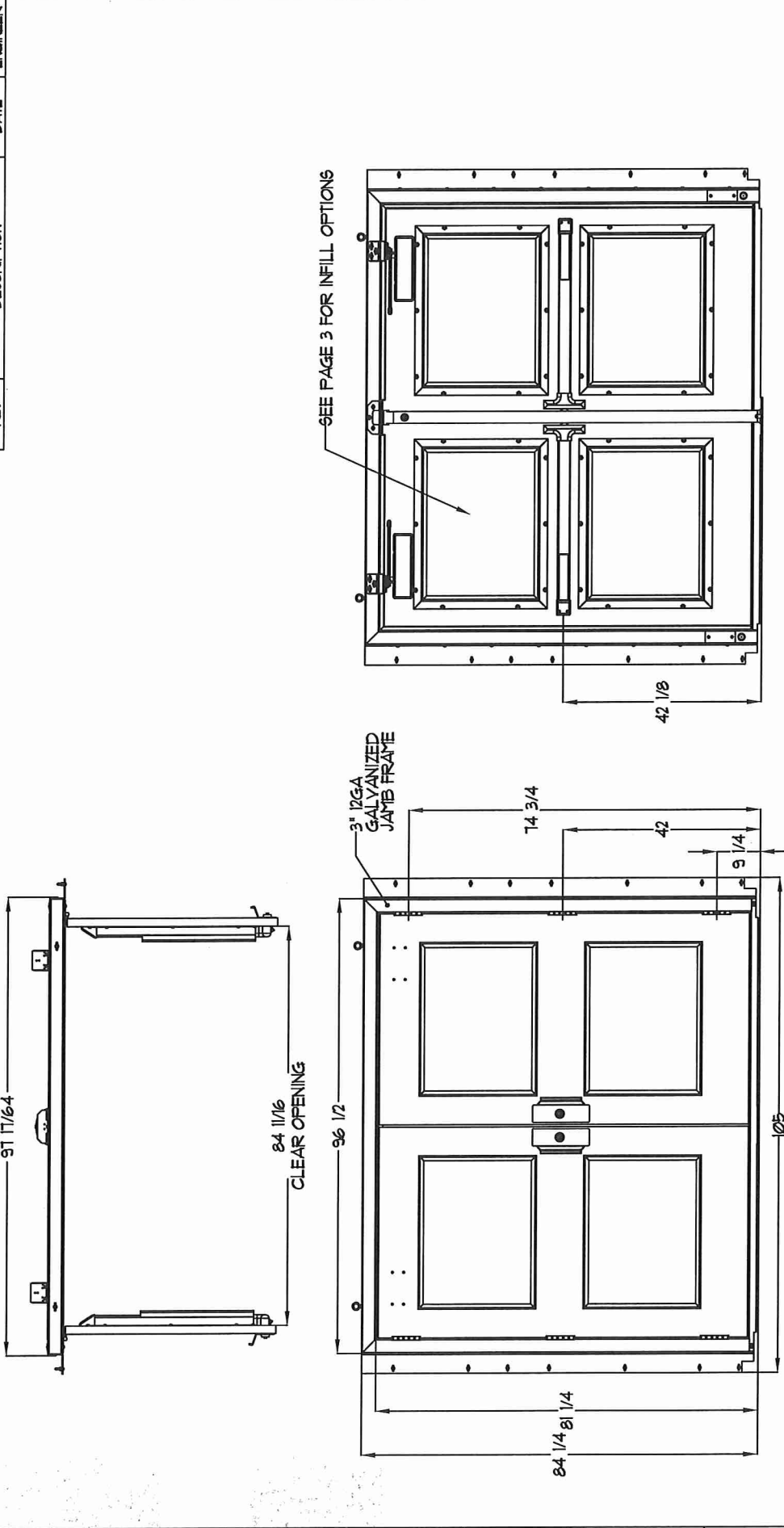
International Sales:

export@detex.com

For detailed windstorm and fire listings, visit www.detex.com/PROVEN



1	2	3	4	5	6	7	8
REV	DESCRIPTION	DATE	ENGINEER				



GATE SHOWN:

- 3" 12GA GALVANIZED JAMB (STANDARD)
- 1-3/4" 14GA GALVANIZED GATE (STANDARD)
- ROCKWOOD FULL HANDLE (X2)
- DETEX V40 SERIES EXIT DEVICE (X2)
- NORTON 1500 PARALLEL ARM CLOSER (X2)
- SARGENT L380A LOCKABLE MULLION (STANDARD)
- HEAVY DUTY MCKINNEY HINGE (X6) (STANDARD)

THREAT SIDE

SECURE SIDE

ASSA ABLOY
 American Performance Security USA, Inc
 Tulsa

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE YALRT - BSA

FINISH	1.00
ROUNDS	1.00
ANGLES	1.00
DRILLING	1.00
THREADS	1.00
WELDING	1.00

THIRD ANGLE PROJECTION

DATE CREATED: 5/22/2018
 DRAWN BY: nrburn
 DESIGNED BY: nrburn
 SCALE: 1:20
 SIZE: B

LIBRARY D: CONSTRUCTION Default
 SHEET OF 3

Mammoth-180

LOCINOX®

Let's make better fences together

"Self closing hinge set"



Hydraulic swing gate closer and bearing hinge in one. An elegantly designed self-closing hinge that opens smoothly and closes consistently gates up to 150 kg and this regardless of the outside temperatures (patented system). Force, closing speed and final snap are all individually adjustable according to your needs.

Specifications:

- Easy mounting with Quick-Fix
- For left and right turning gates
- 180° opening angle
- Double stainless steel bearing
- 2-dimensionally adjustable (2x20 mm)
- For gates up to 150 kg
- Easy to open: max 15 Nm of force
- Ideal in combination with magnetic locks
- Bottom Dino hinge included
- Especially designed for exterior use
- Aesthetic design
- Unaffected by temperature changes



Dino Specifications:

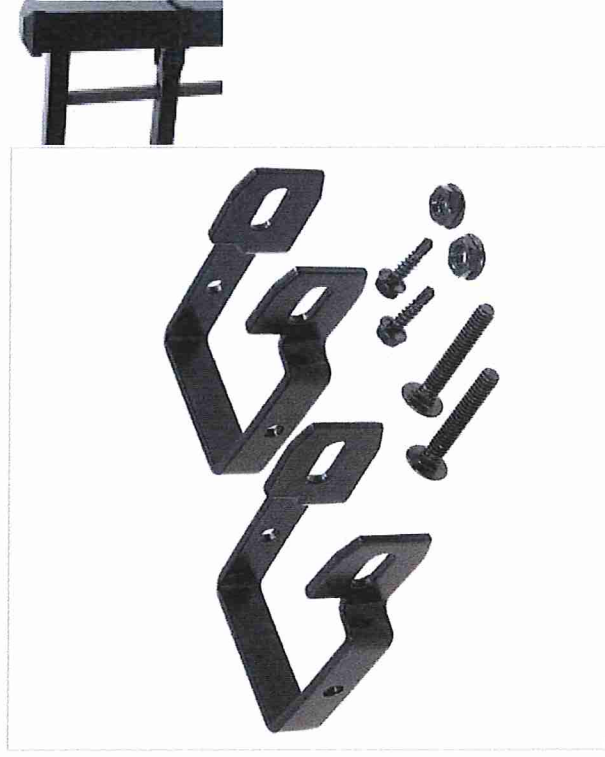
- 180° opening angle
- Double stainless steel bearing
- Aesthetic design

Questions about our square fence fittings? We're here to help at 800-878-7829

Square Fittings

We Are Open! Call 800.878.7829 or Order Online!

2" Sq. Steel Fence Universal Boulevard Bracket Black - Compare to Ameristar



\$2.45

The 2" Square Black Universal Boulevard Bracket fits around a post and accepts a rail, creating a strong, sturdy 90° connection. It's crafted from highly durable pressed steel and coated with black polypropylene, giving it both an attractive finish and plenty of protection against the elements.



Shop by category

Search for anything

Search

All Categor...

Home & Garden Home Improvement Building & Hardware Other Home Building & Hardware

Share

Ameristar Fence Boulevard 2 1/2" Brackets NEW

\$8.50

+ \$5.00 Shipping

Get it by **Tue, Jun 30 - Wed, Jul 1** from Saint Charles, Missouri

- New condition
- 14 day returns - Buyer pays return shipping

"Condition is New."

[Read full description](#)

[See details](#)



Qty :

1



Buy It Now

Add to cart

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Sold by

vettman64 (720)

100.0% Positive feedback

[Contact seller](#)

Add to cart

Brand New

Ameristar Fence Boulevard 2 1/2" Brackets NEW

\$8.50

+ \$5.00 Shipping



Tension Bar, Steel, 70 In L

Item # 4LVL9 Mfr. Model # 4LVL9 Catalog Page # 1011 UNSPSC # 30172001



Categories based on your search



Outdoor Equipment



Fencing and Fencing Hardware



Chain Link Fence Hardware



Abrasive Blasting

Web Price

\$5.45 / each

This item requires special shipping, additional charges may apply.

Shipping Pickup

Expected to arrive **Fri. Jun 26.**

Ship To **92101 (Change)**



Add to Cart

Item	Tension Bar
Material	Steel
Gauge	7
Finish	Galvanized
Height	5/8"
Width	3/16"
Length	70"

View product details

Chat with an Agent

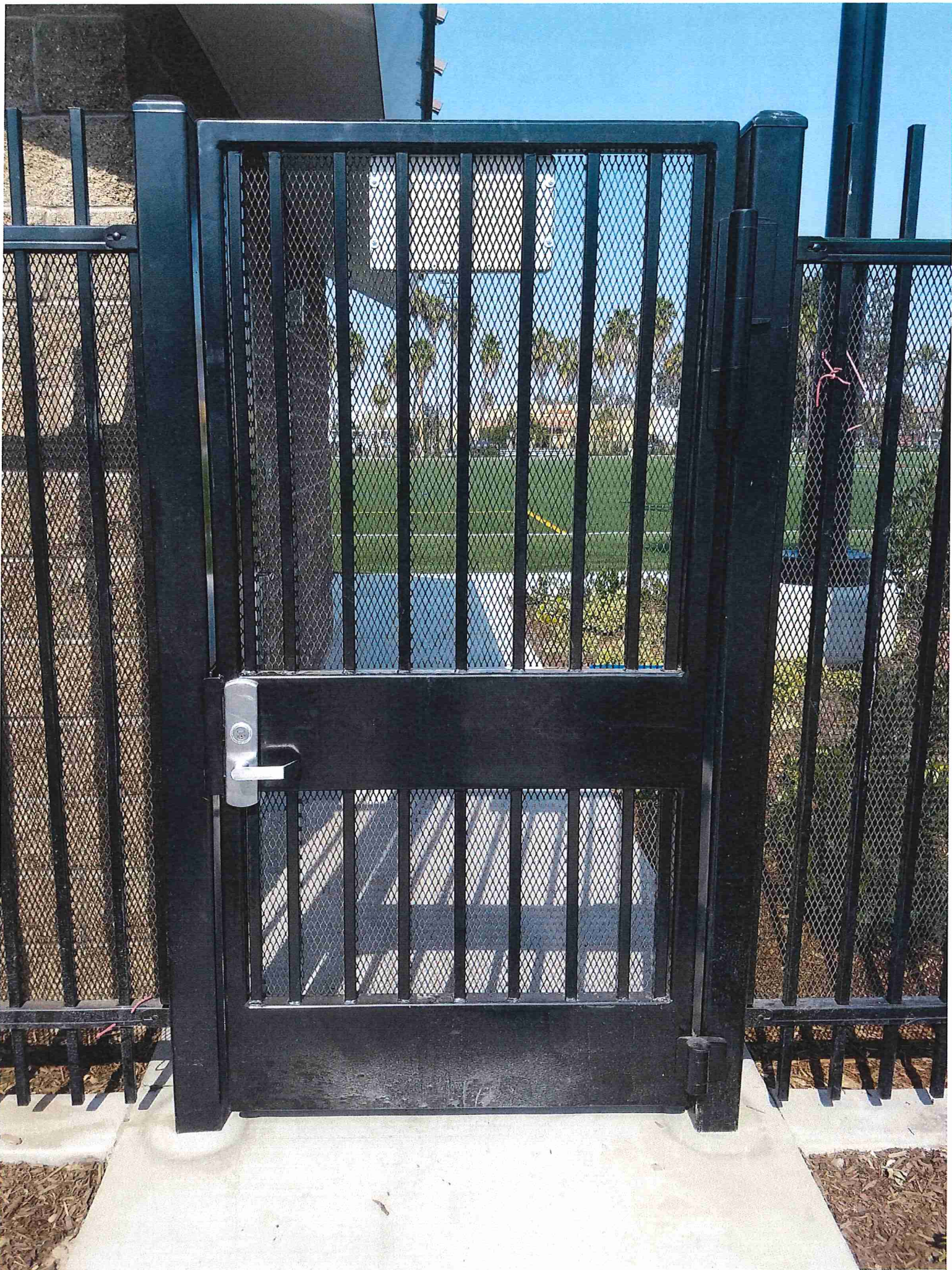
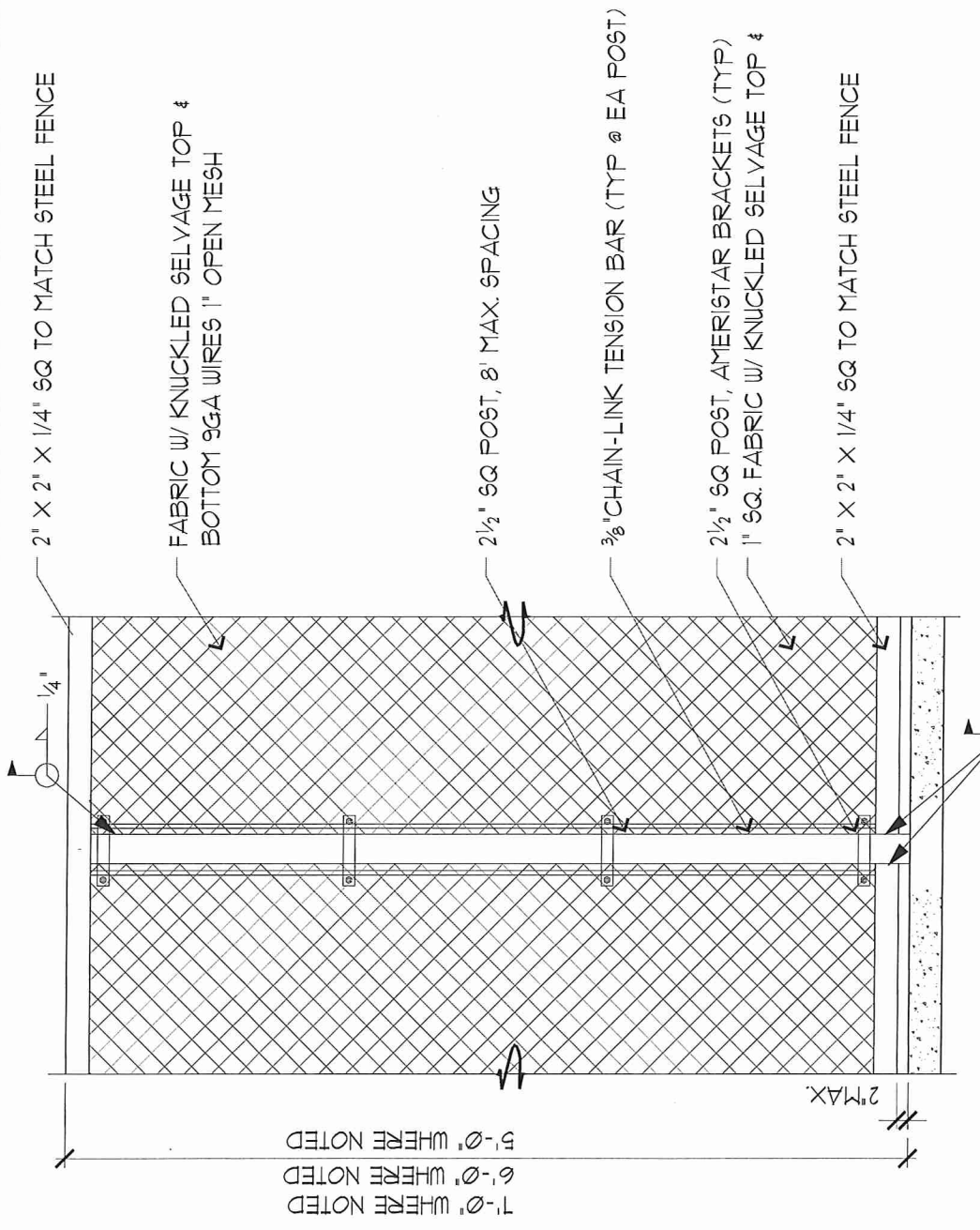


EXHIBIT #3



NOTES:

- FENCE FABRICATION CONSTRUCTION SHALL MEET ALL REQUIREMENTS OF ASTM F-567. STANDARD PRACTICE FOR INSTALLATION OF CHAIN-LINK FENCE.
- ALL MATERIAL IS GALVANIZED & PVC COATED BLACK.

5, 6 & 7 FT HIGH CHAIN LINK FENCE

7

SCALE: 1/2" = 1' 0"

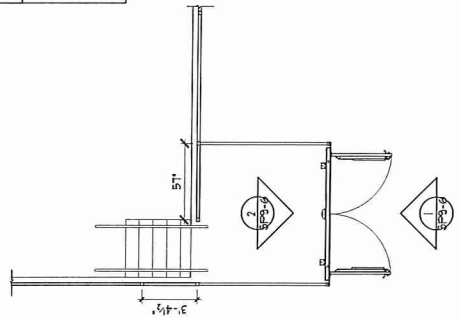
EXHIBIT #4

Chabot College Swimming Pool Southwest Corner Access Stairs

& SOUTHWEST

NOTES

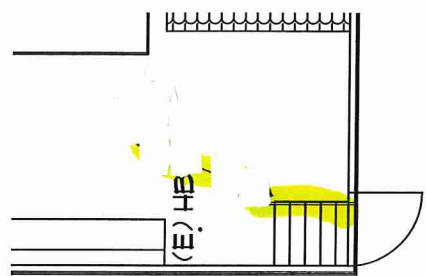
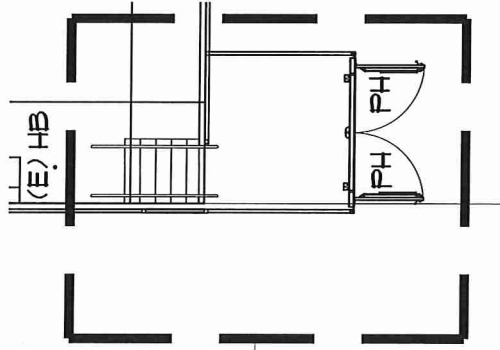
FENCE DETAIL LOCATED ON
DETAIL & SP9-5, UNLESS
OTHERWISE INDICATED WITH
DIMENSIONS FENCE PANELS
SMALL SPAN 6'-0"



4 SOUTHWEST CORNER GATE

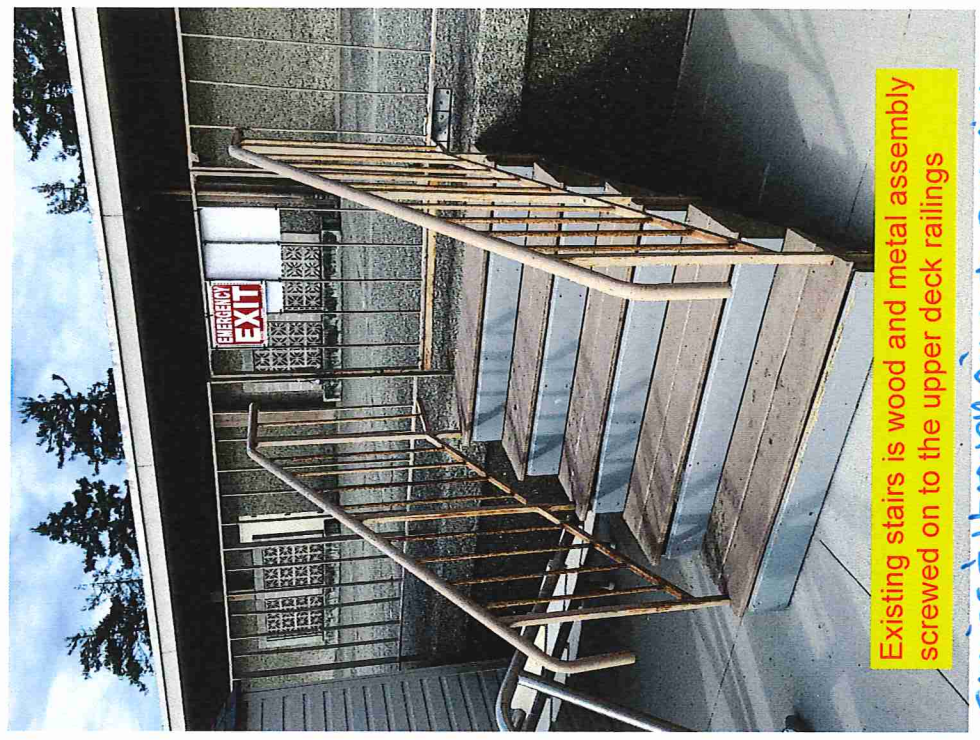
SCALE: 1/4" = 1'-0"

4
SP9-5



9 EXISTING STAIRS TO UNDERGROUND OFFICE

SCALE: 3/4" = 1'-0"



Existing stairs is wood and metal assembly
screwed on to the upper deck railings

STAIRS & HANDRAILS TO REMAIN
PAINT HANDRAILS TOP

EXHIBIT #5

GUARDIAN HEAVY DUTY HINGE PRIMED AND PAINTED
FLAT MOUNT BOTH SIDES TYP. OF 2 #2000 P.

2 1/2 X 1/4" SQ. POST
@ GATE.

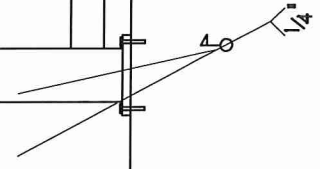
8'

1" SQ.
TUBE
STL
PTD
TO MACH
AMERISTAR
@ 3 3/4" OC.
PTOF.

4" MAX

1/8"

GATE CASTOR STRINGAWAY
6" DIA X 2" WIDE
W/ STN SR AXEL 3/8" φ



8' FENCE GATE DETAIL

#

SCALE: 1" = 1' 0"

EXHIBIT #6

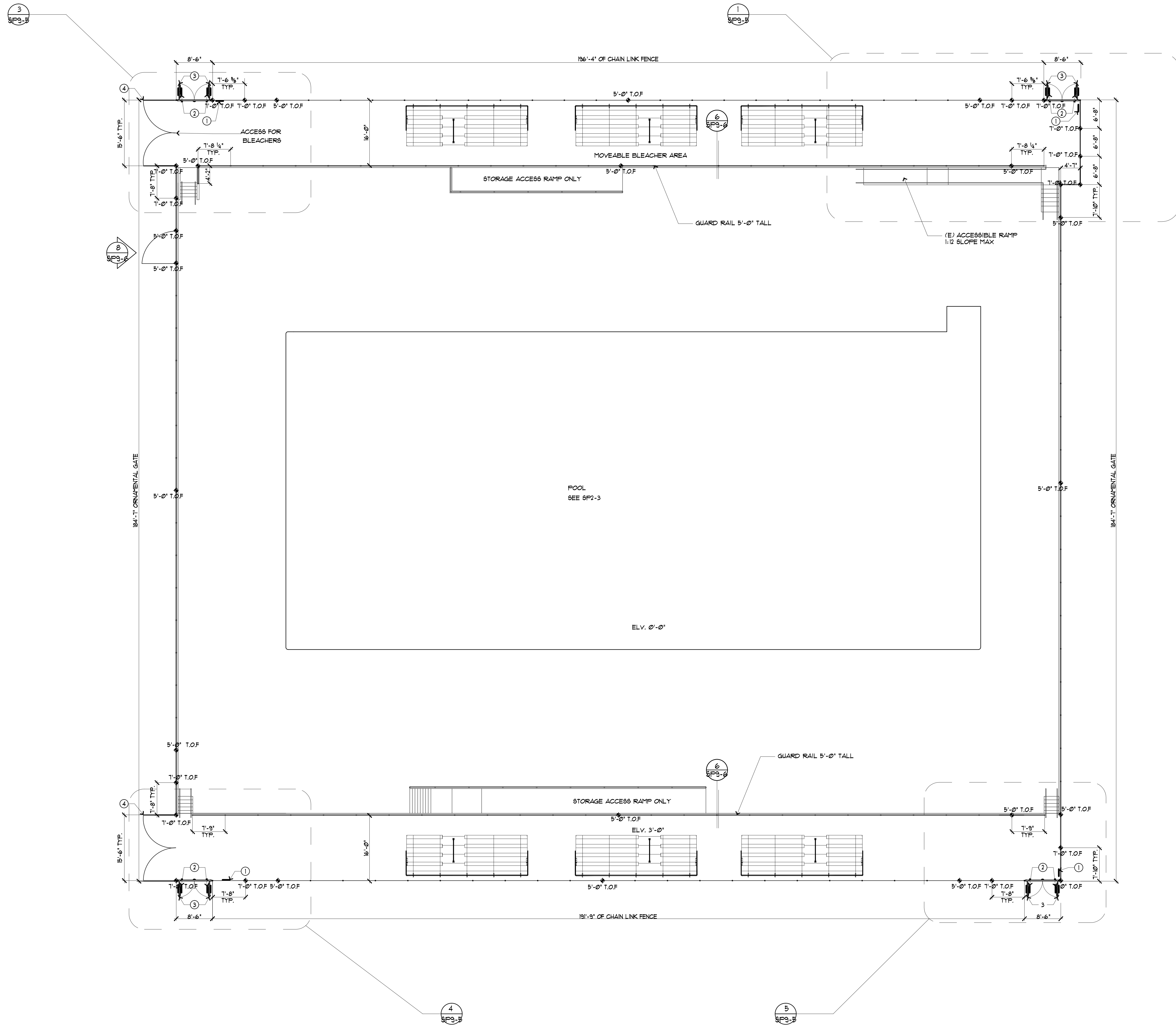
SEE PINS & SPACERS FOR FENCE REPLACEMENT

REPLACE WITH NEW METAL PENCE TO ENSURE SAFETY

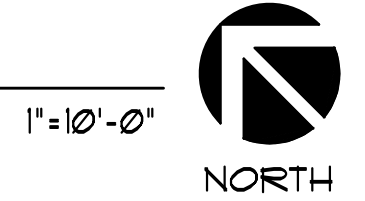
1/2" DIA MATERIAL TO BE REPLACED TO REPAIR



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FENCING SITE PLAN

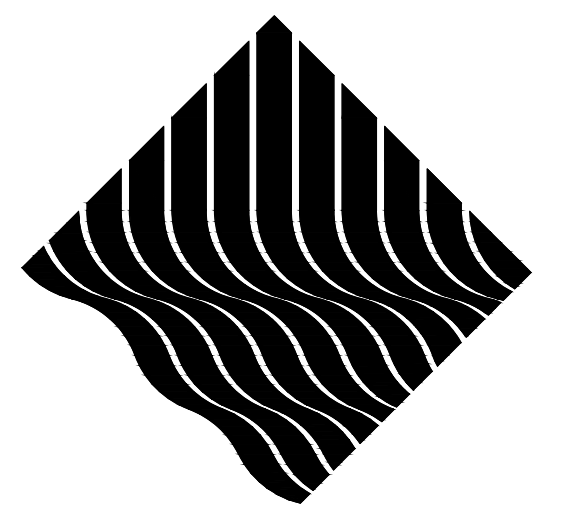


KEY NOTES

1. EXIT SIGN, SEE 5B/SP3-2.
2. KEEP CLOSED SIGN ON BOTH SIDES OF GATE. SEE 5B/SP3-2.
3. SELF CLOSING & SELF LATCHING GATE W/ PANIC HARDWARE. SEE 1 & 2/SP3-6.
4. DOUBLE WIDE GATE TO ALLOW ACCESS FOR MOVEABLE BLEACHERS

GENERAL NOTES

1. EXISTING STAIRS IN SOUTH EAST AND SOUTH WEST CORNERS TO REMAIN
2. VERIFY MEASUREMENTS TO BE EQUALLY SPACED FOR FENCES BEFORE FENCE PLACEMENT
3. ELEVATION MARKS FOR FENCING DOES NOT RELATE TO ACTUAL ELEVATION T.O.F. TOP OF FENCE AND SHALL BE BASED UPON ITS DECK ELEVATION IT SITS ON



ARCH-PAC
 AQUATICS
 1341 DISTRIBUTION WAY, SUITE 11
 VISTA - CA 92081
 PH: 760-734-1600



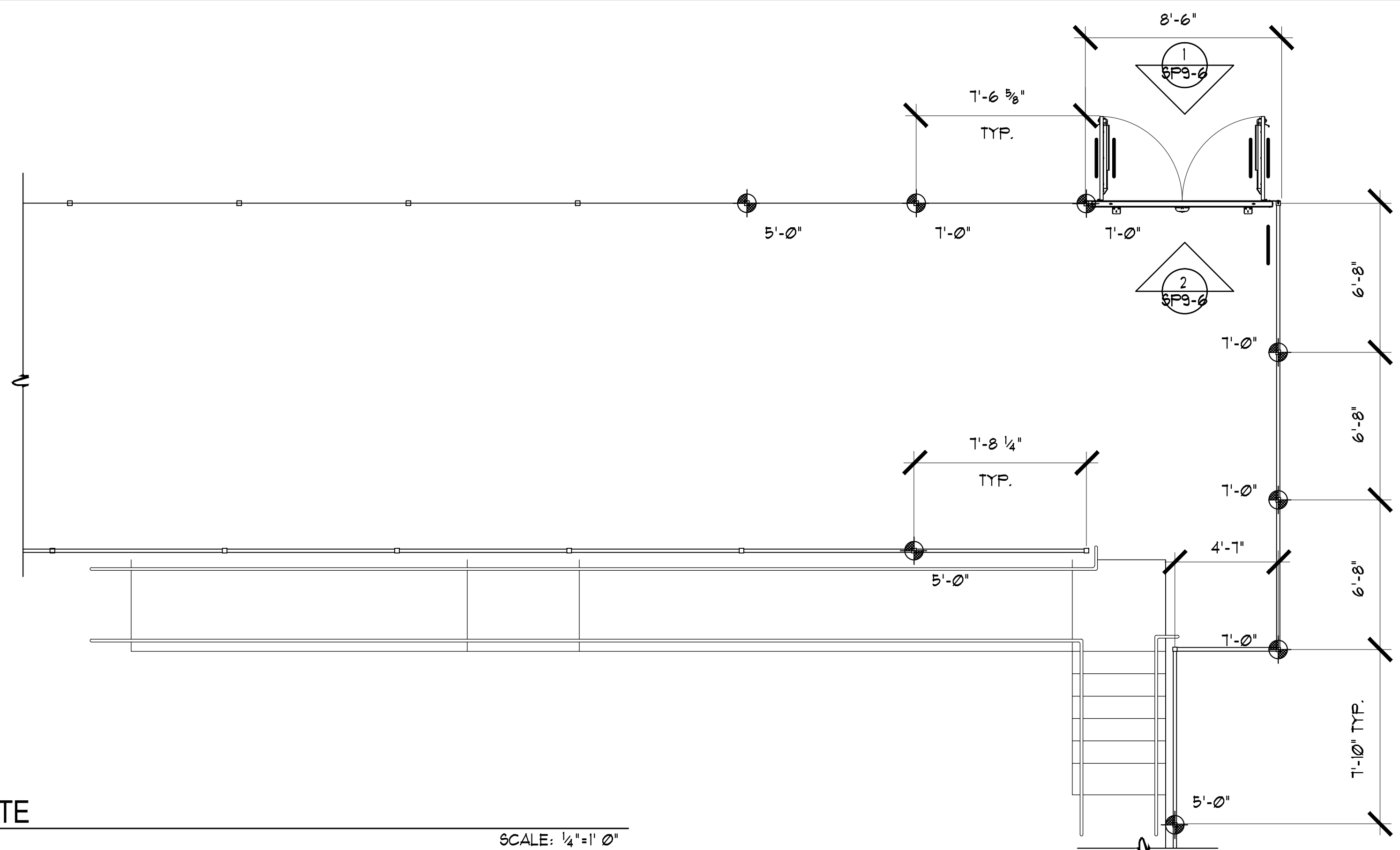
CLIENT:	CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT
ADDRESS:	7600 DUBLIN BLVD, DUBLIN, CA 94568
CONTACT:	THOMAS VALDEZ 510-301-4024
REVISION:	
DATE:	
NO.:	1 2 3 4 5

DRAWING TITLE:	FENCING SITE PLAN
JOB TITLE:	CHABOT COLLEGE POOL RENOVATION
JOB ADDRESS:	25555 HESPERIAN BLVD. HAYWARD, CA 94545
DATE:	23 JUN 2020
SCALE:	1"=10'-0"
DRAWN BY:	LTY

DRAWING NO.:	SP2-2R
--------------	---------------

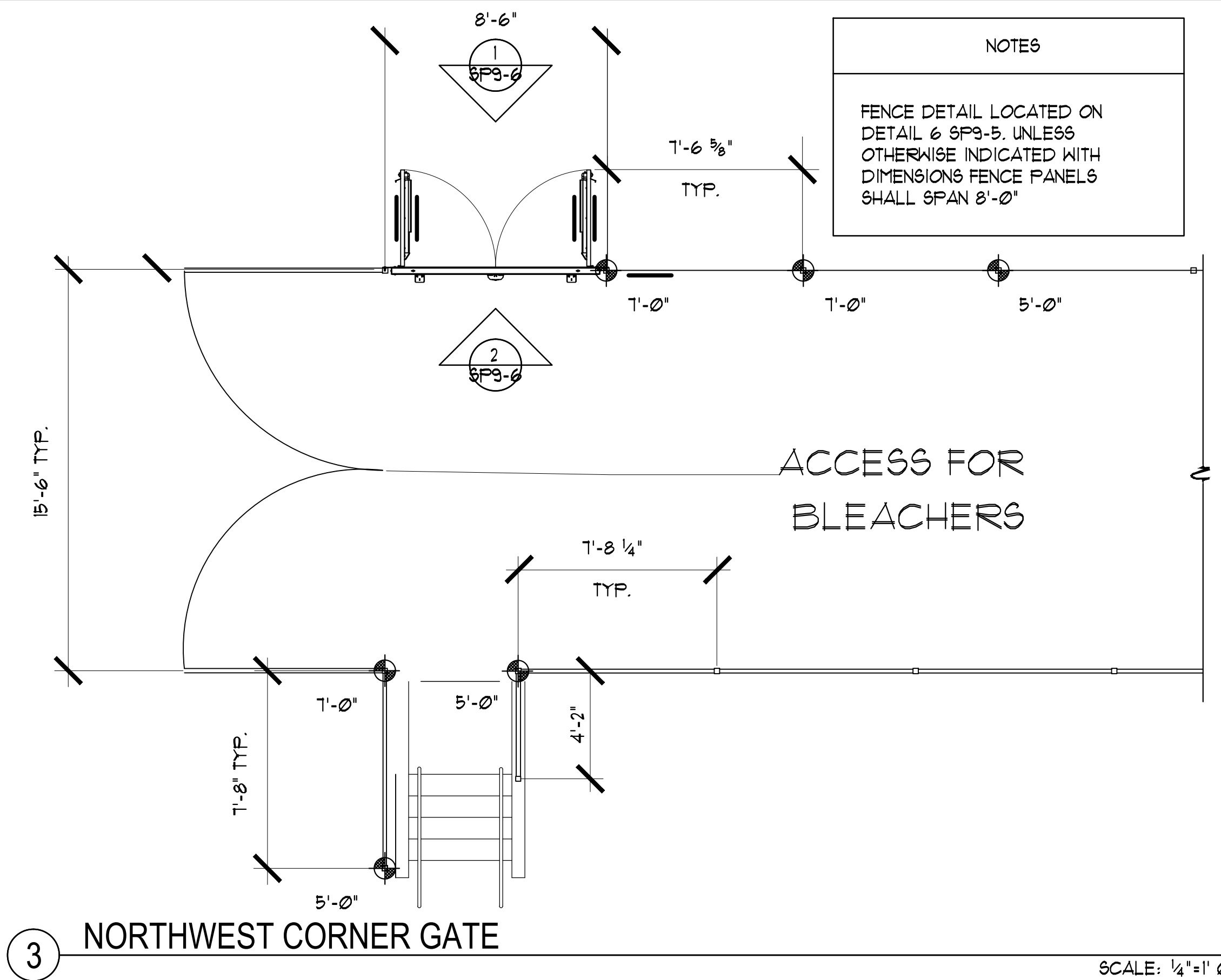
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NOTES
 FENCE DETAIL LOCATED ON
 DETAIL 6 SP9-5, UNLESS
 OTHERWISE INDICATED WITH
 DIMENSIONS FENCE PANELS
 SHALL SPAN 8'-0"



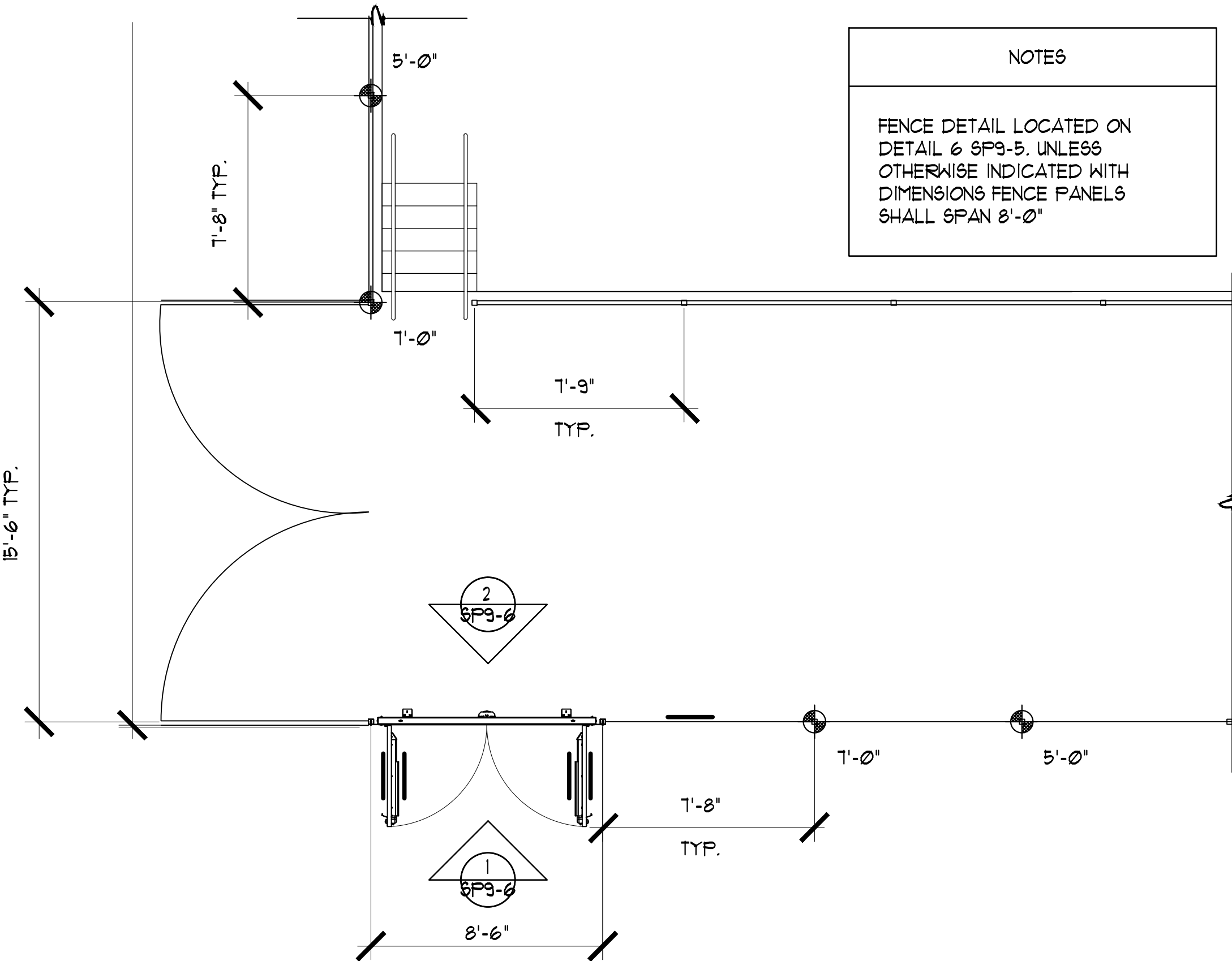
1 NORTH EAST ACCESSIBLE GATE

SCALE: 1/4"=1' 0"



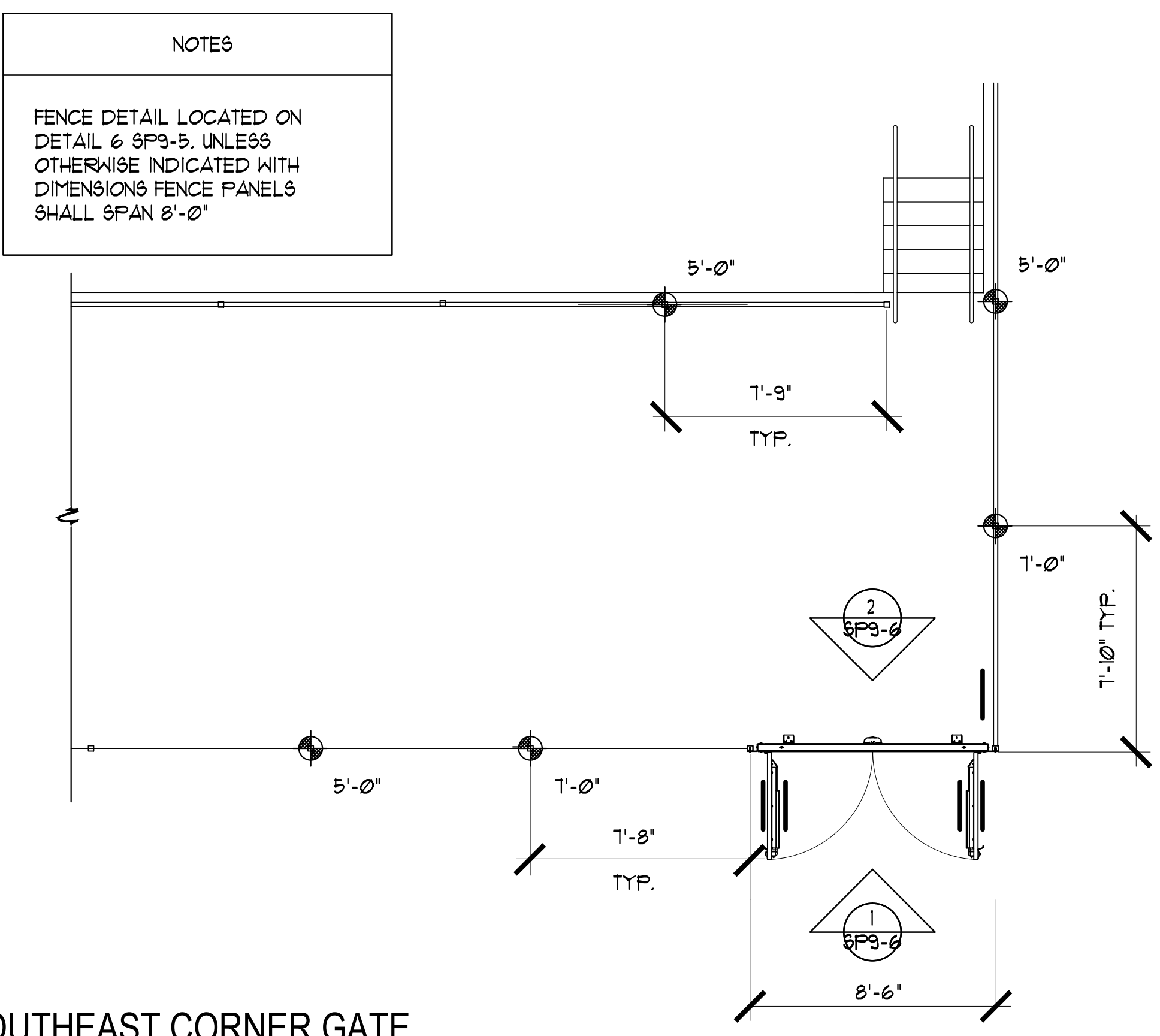
3 NORTHWEST CORNER GATE

SCALE: 1/4"=1' 0"



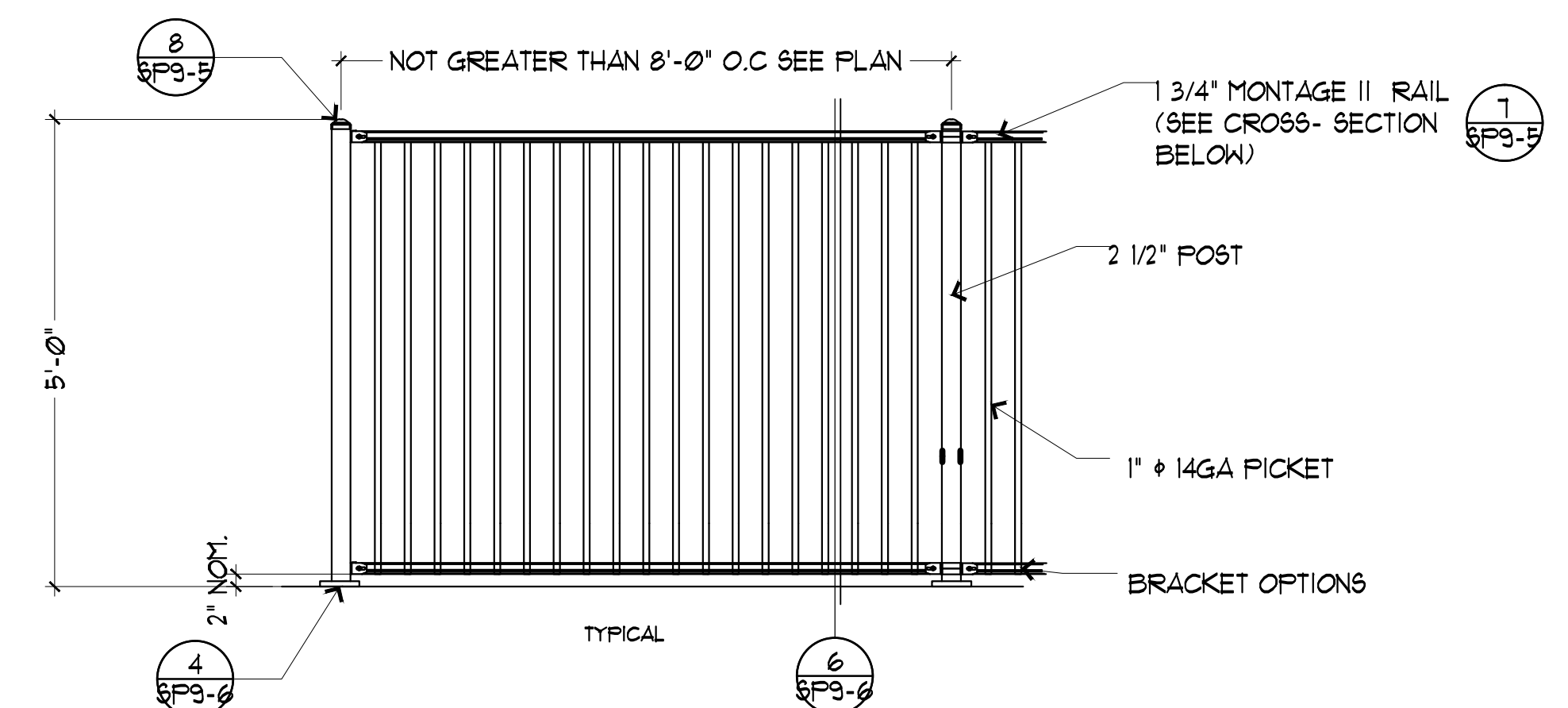
4 SOUTHWEST CORNER GATE

SCALE: 1/4"=1' 0"



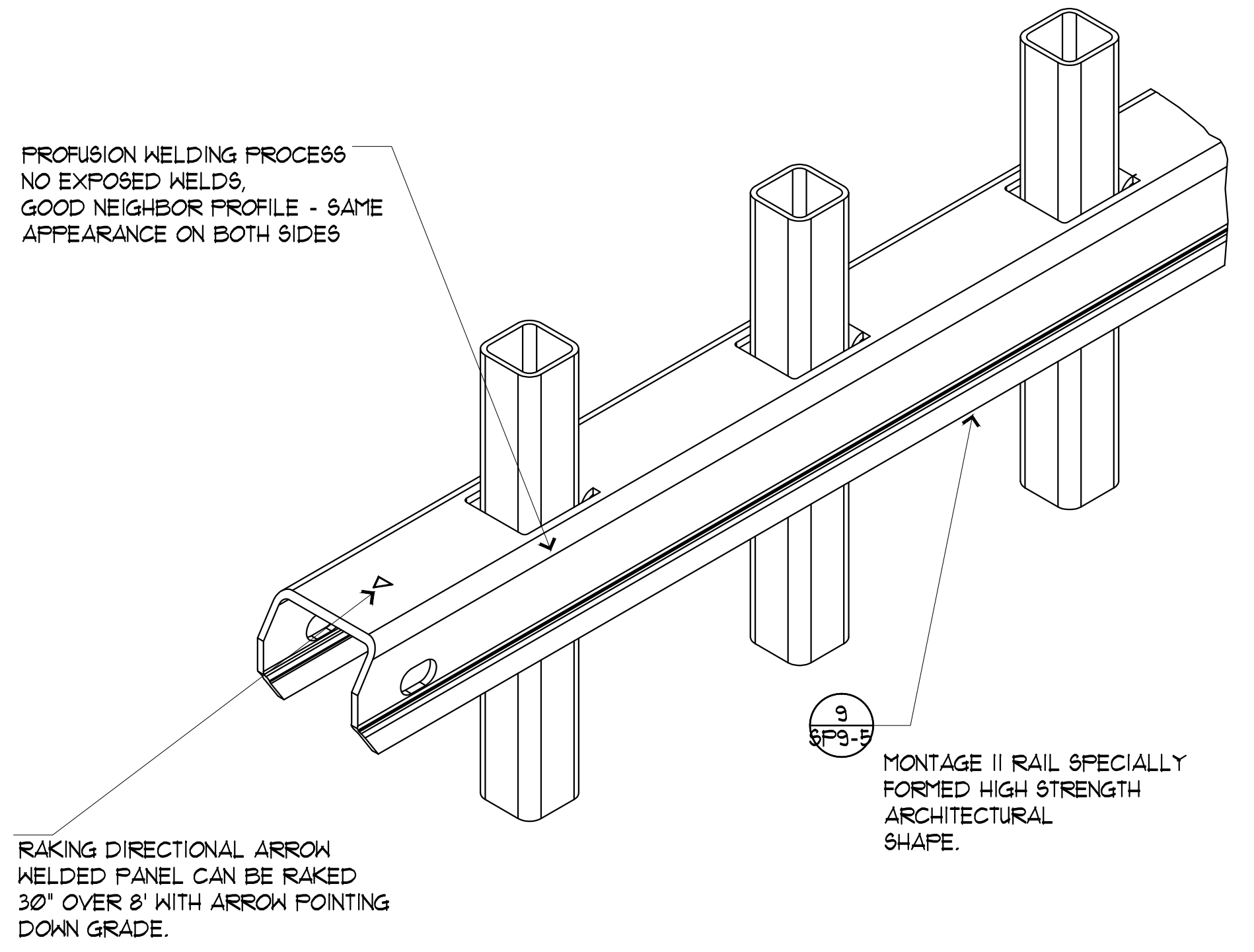
5 SOUTHEAST CORNER GATE

SCALE: 1/4"=1' 0"



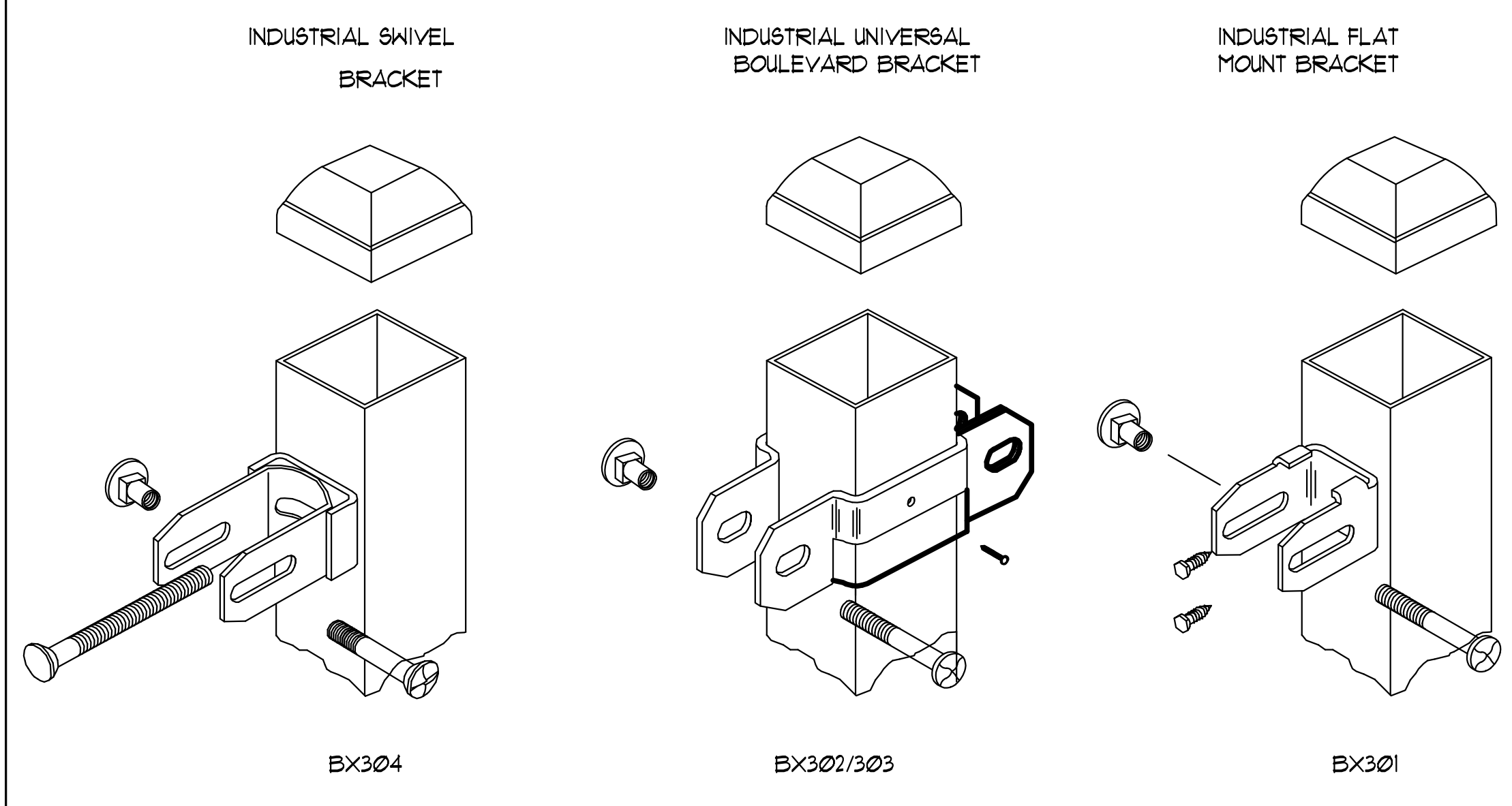
6 AMERISTAR MONTAGE II FENCE

SCALE: 3/4"=1' 0"



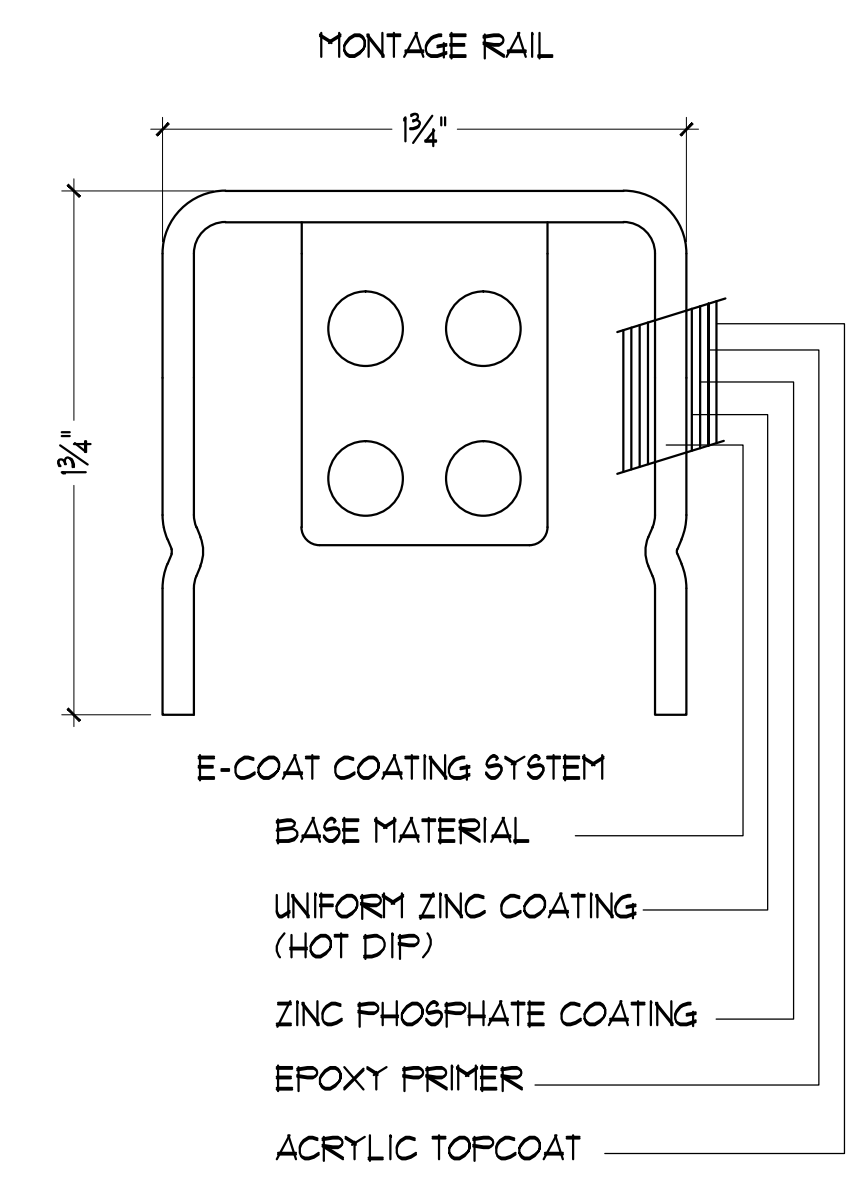
7 MONTAGE FENCE DETAILS

NTS



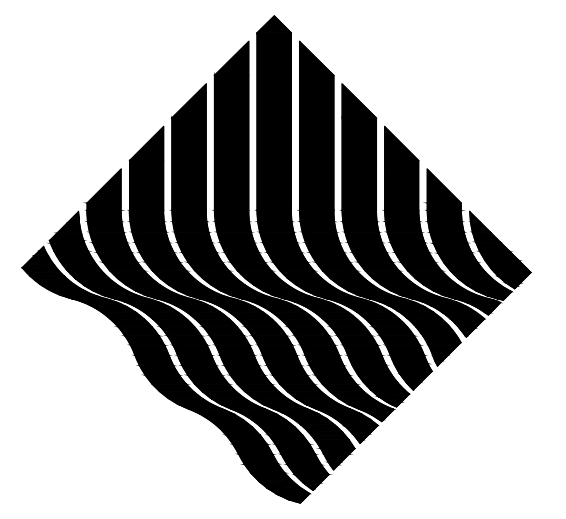
8 MONTAGE FENCE DETAILS

NTS

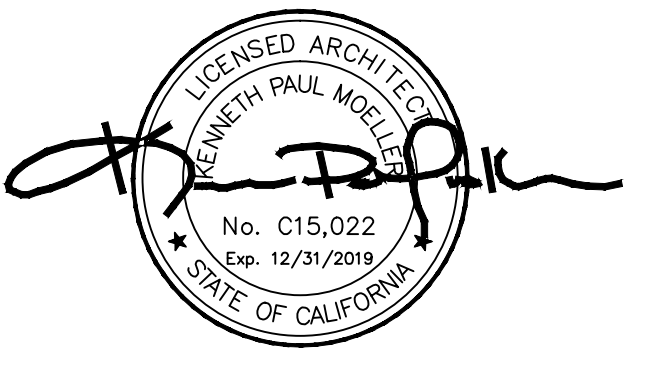


9 MONTAGE FENCE DETAILS

SCALE: 3/4"=1' 0"



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 COLLEGE DISTRICT
 ADDRESS:
 7600 DUBLIN BLVD,
 DUBLIN, CA 94568
CONTACT:
 THOMAS VALDEZ
 510-301-4024

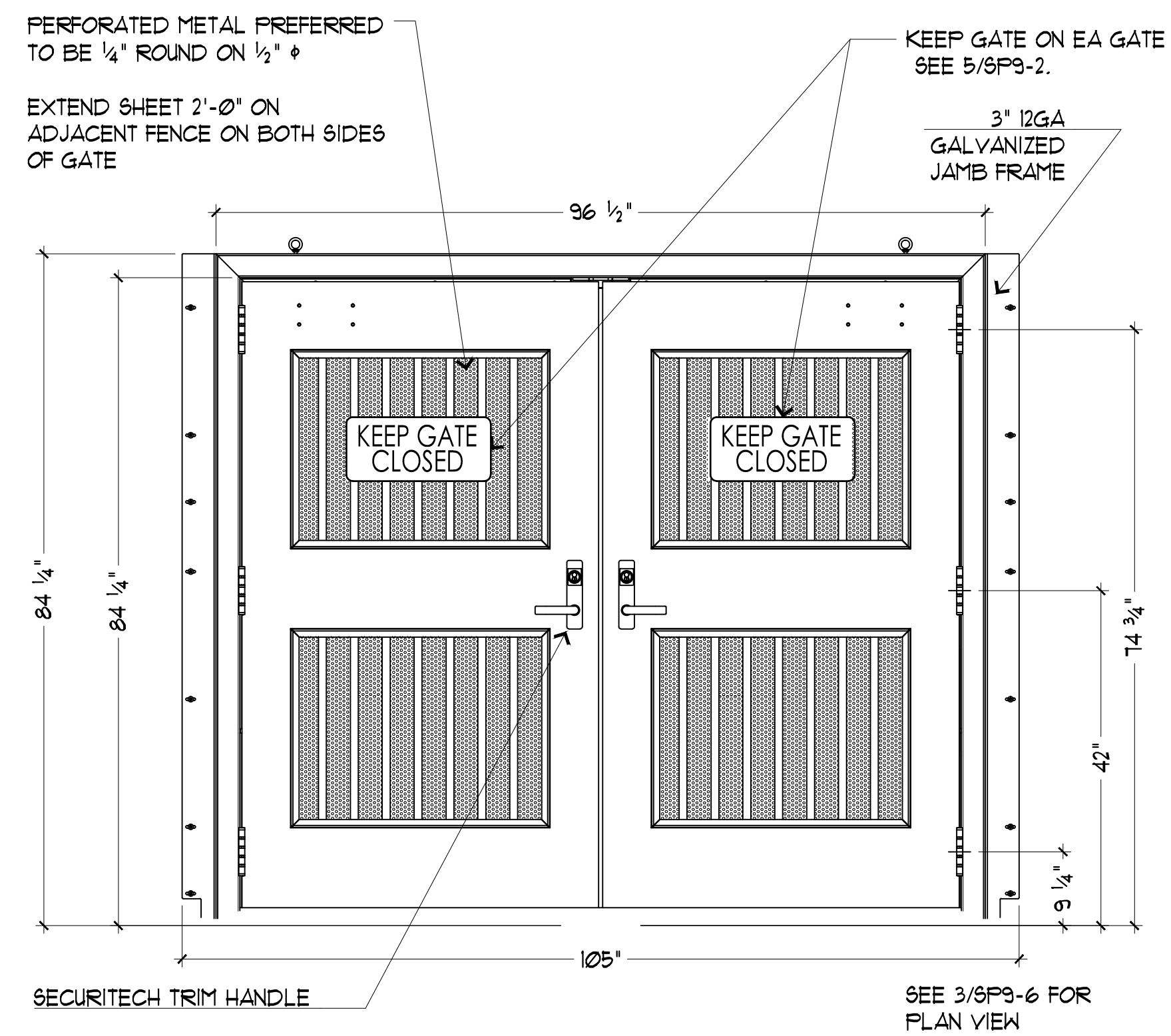
REVISION:	
DATE:	
NO.:	

DRAWING TITLE:
 FENCE DETAILS
JOB TITLE:
 CHABOT COLLEGE POOL
 RENOVATION
JOB ADDRESS:
 25555 HESPERIAN BLVD.
 HAYWARD, CA 94545

DATE: 23 JUN 2020
SCALE: NTS
DRAWN BY: LYT

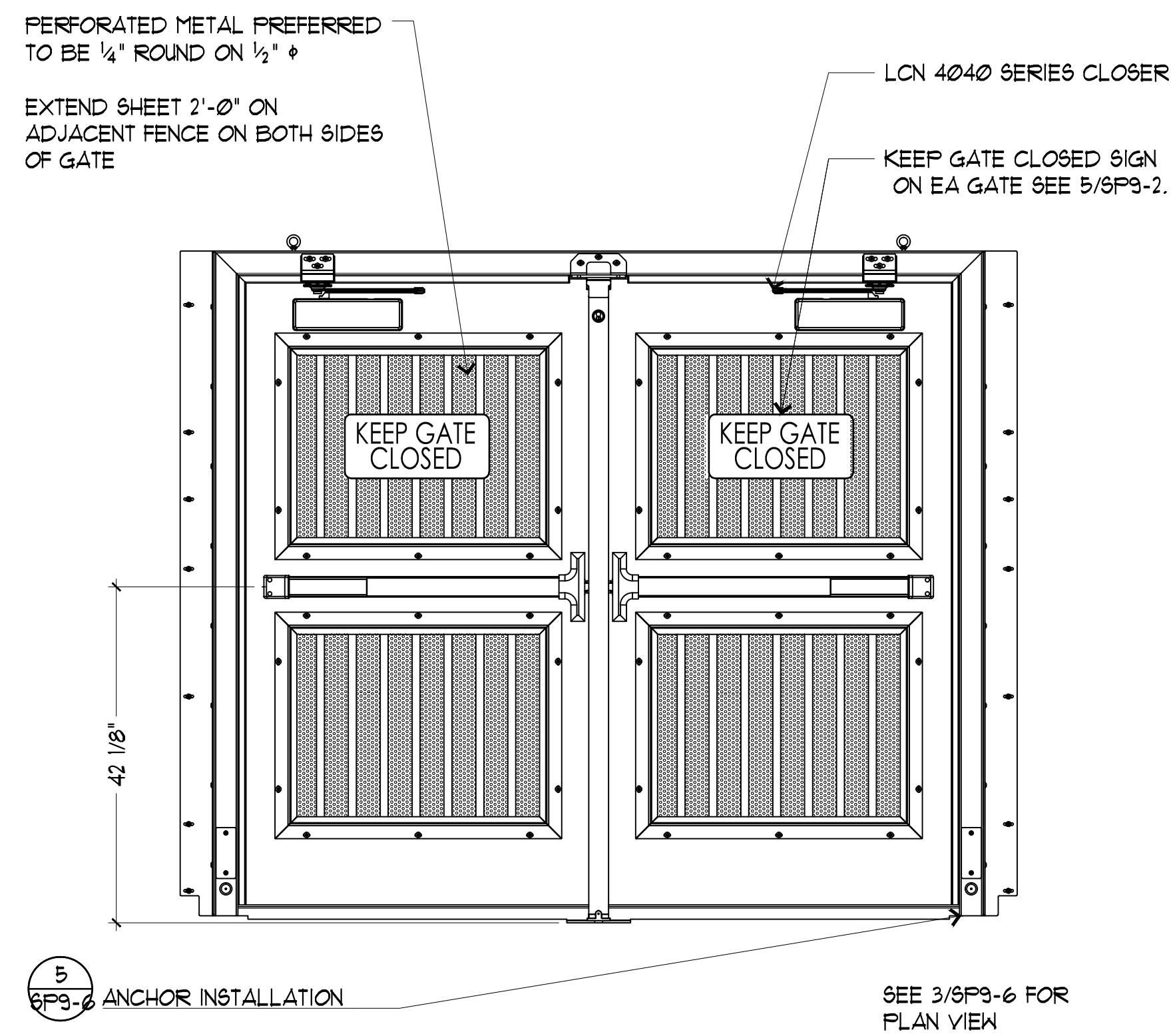
DRAWING NO.:
 SP9-5R

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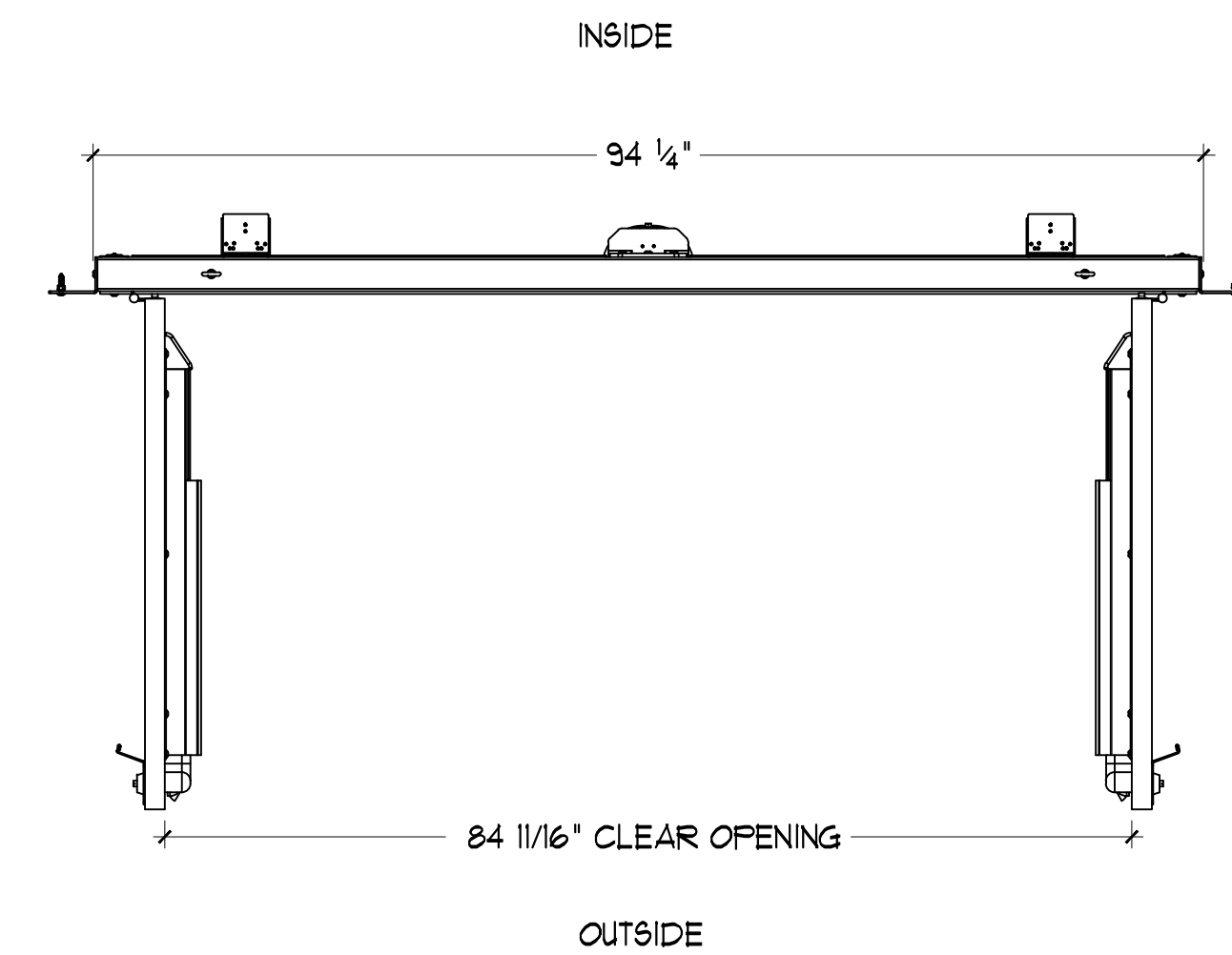
1 GATE OUTSIDE

SCALE: 3/4"=1' 0"



2 GATE INSIDE

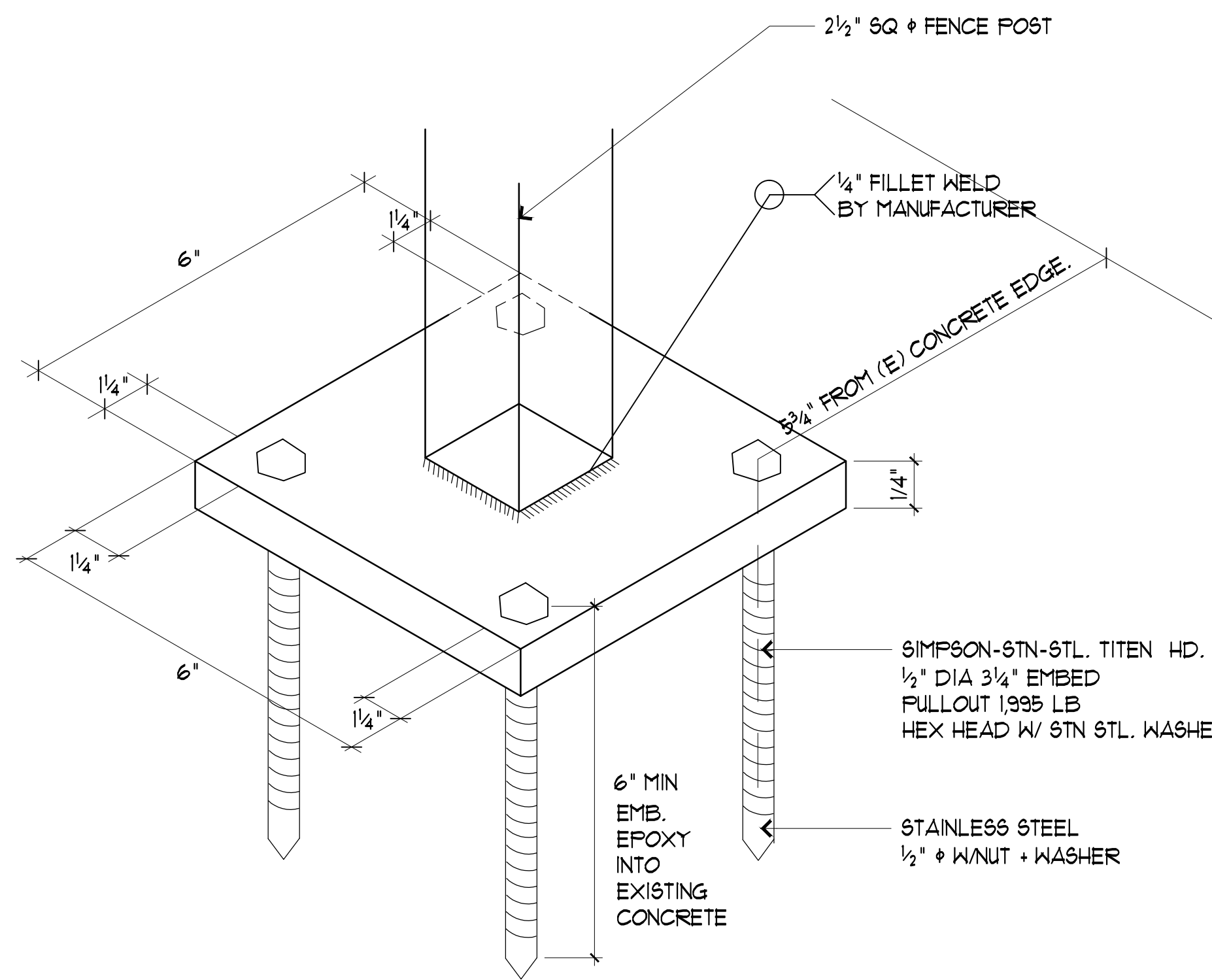
SCALE: 3/4"=1' 0"



3 GATE PLAN VIEW

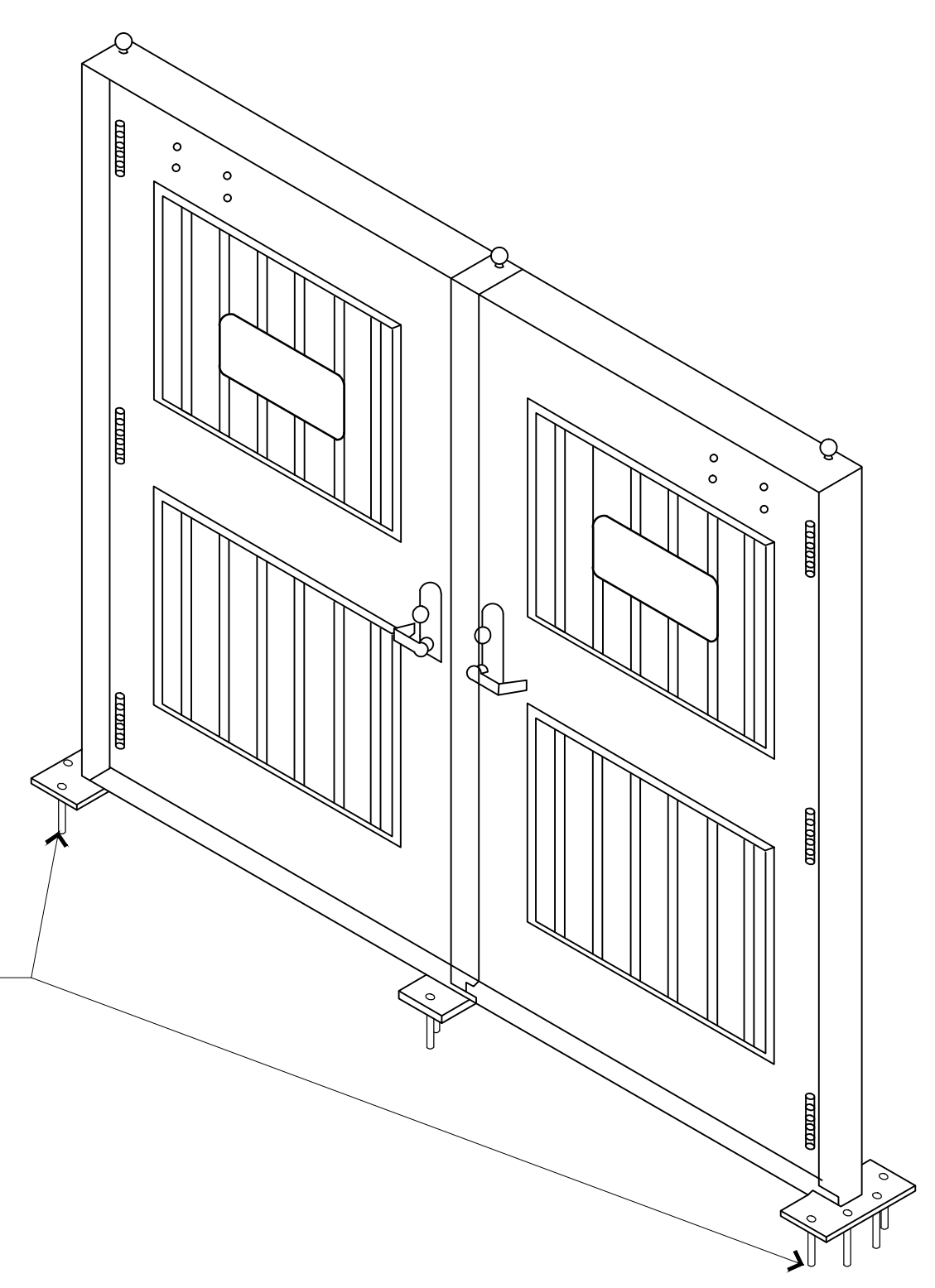
SCALE: 3/4"=1' 0"

GATE SHOWN:
 3" 12GA GALVANIZED JAMB (STANDARD)
 1-3/4" 14GA GALVANIZED GATE (STANDARD)
 ROCKWOOD FULL HANDLE (X2)
 DETEX V40 SERIES EXIT DEVICE (X2)
 NORTON 1500 PARALLEL ARM CLOSER (X2)
 SARGENT L800A LOCKABLE MULLION (STANDARD)
 HEAVY DUTY MCKINNEY HINGE (X6) (STANDARD)



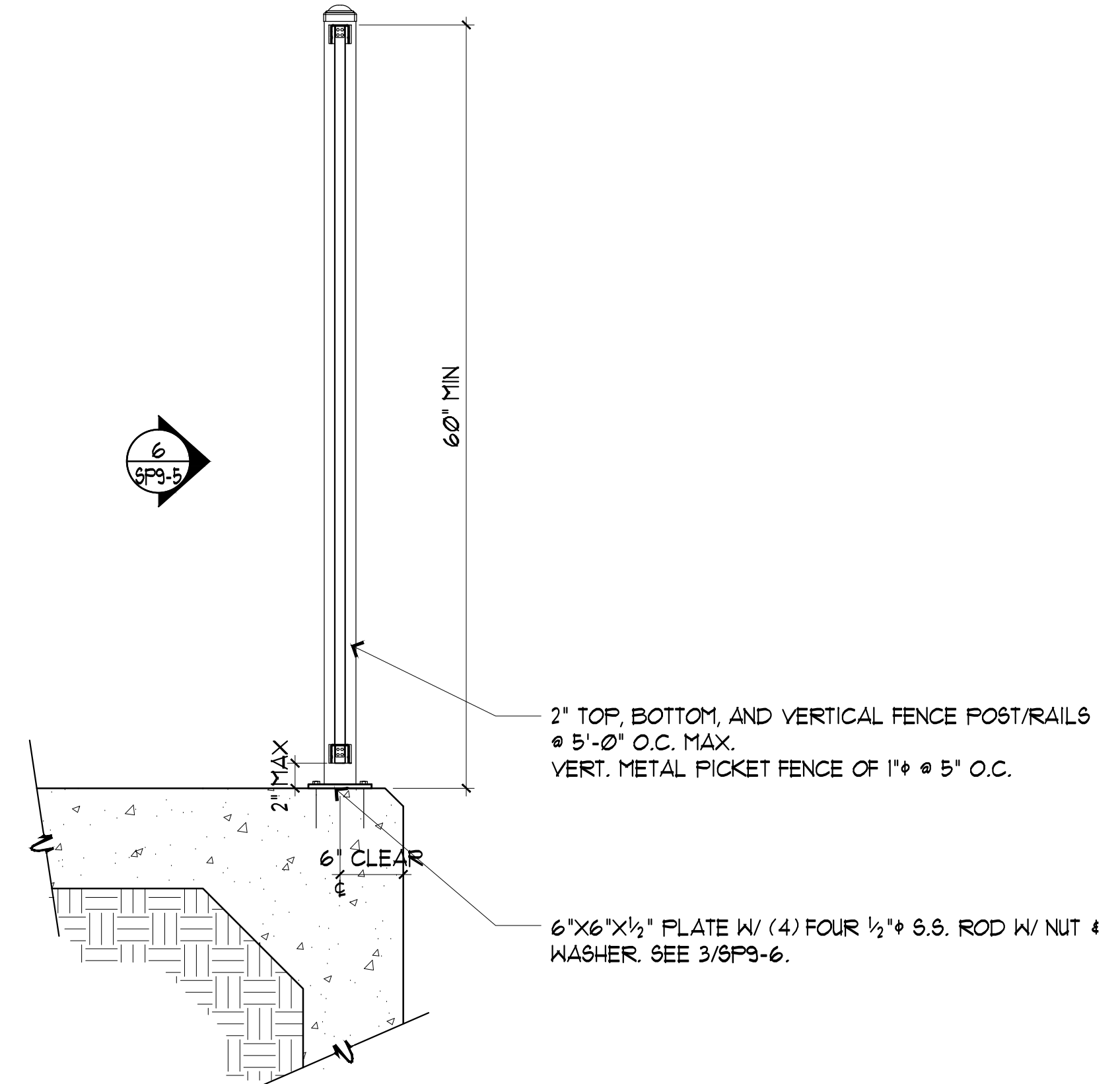
4 FENCE POST PLATE MOUNTING

SCALE: 6"=1' 0"



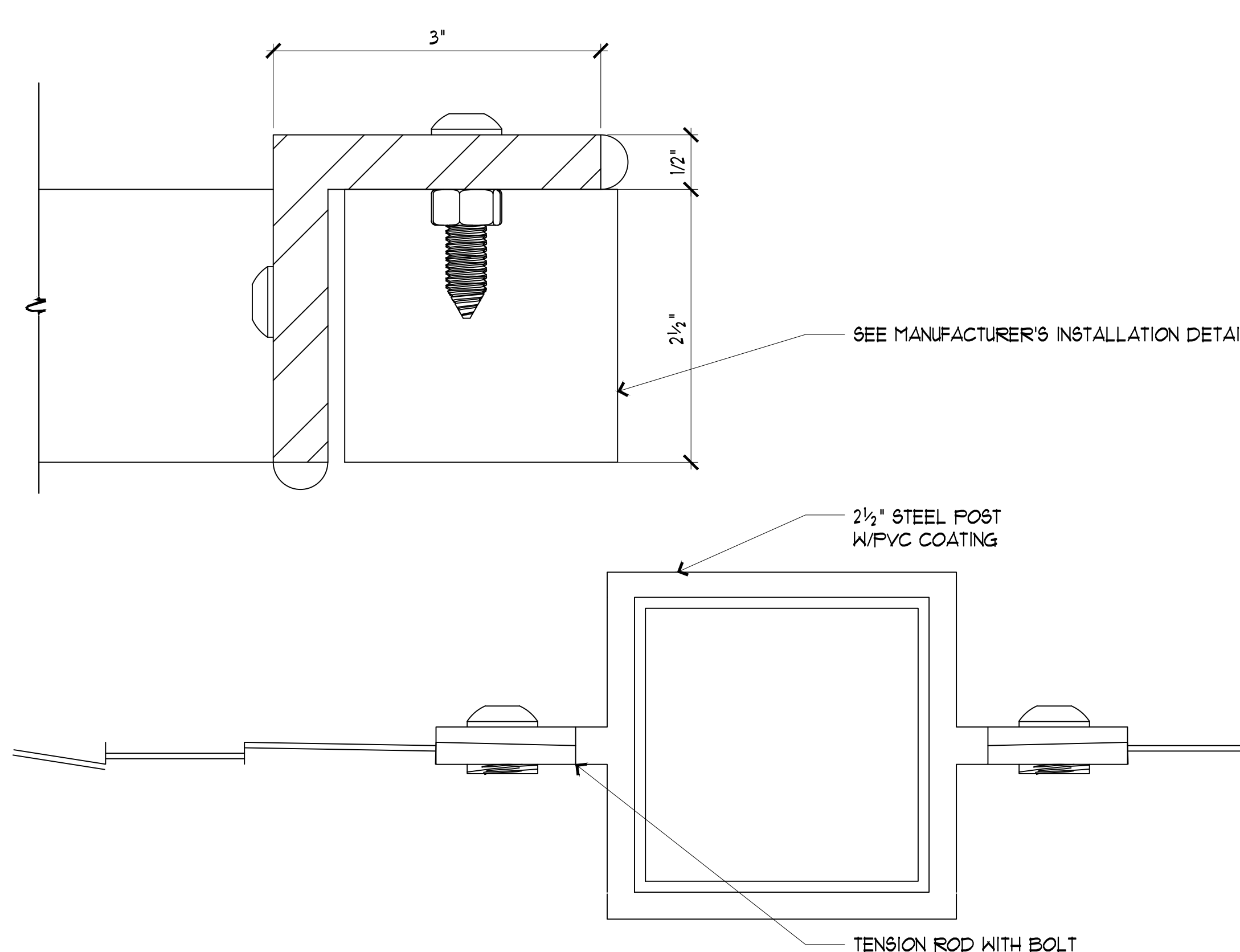
5 GATE INSTALLATION

SCALE: 3/4"=1' 0"



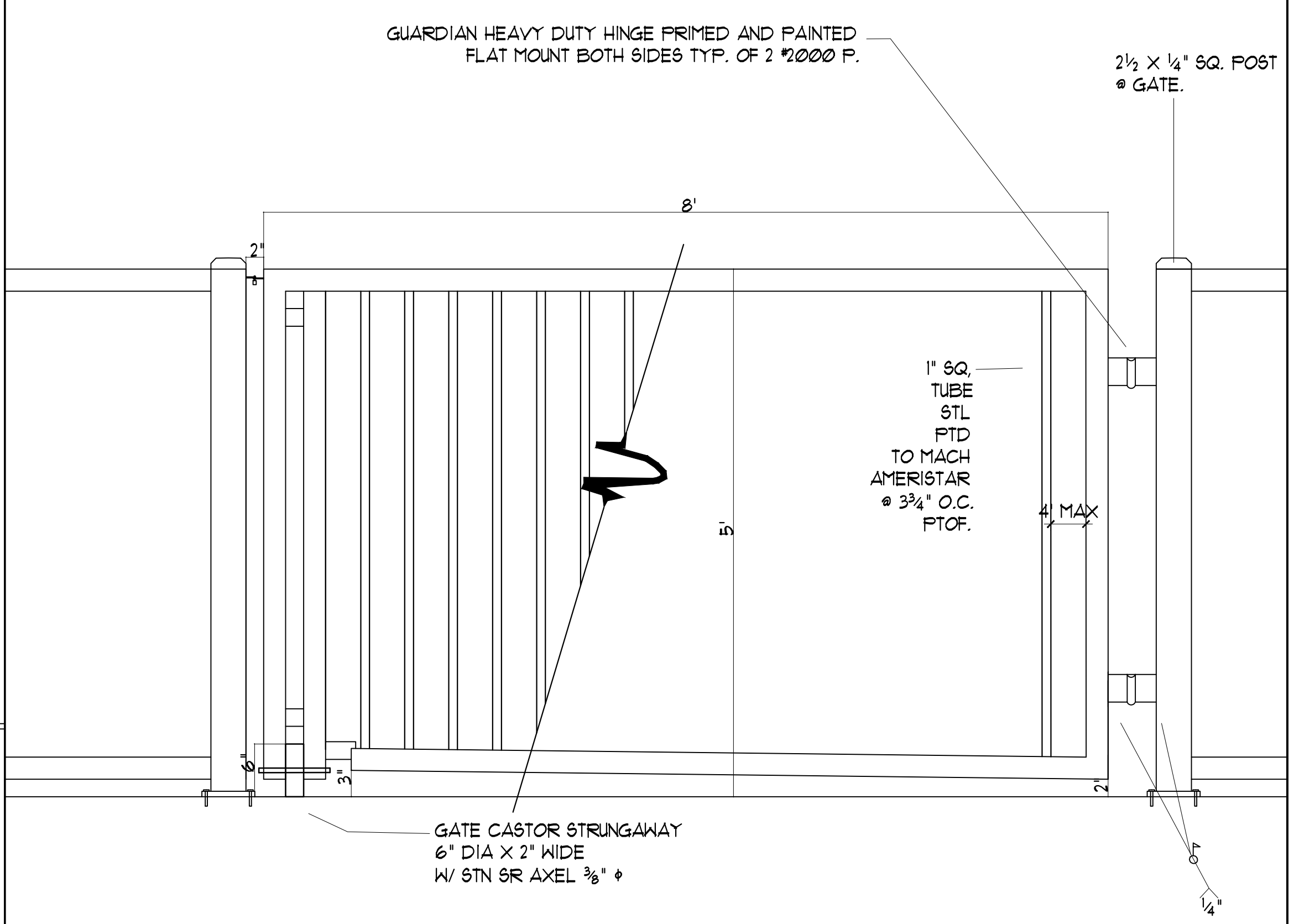
6 GUARD RAIL 60"

SCALE: 1"=1' 0"



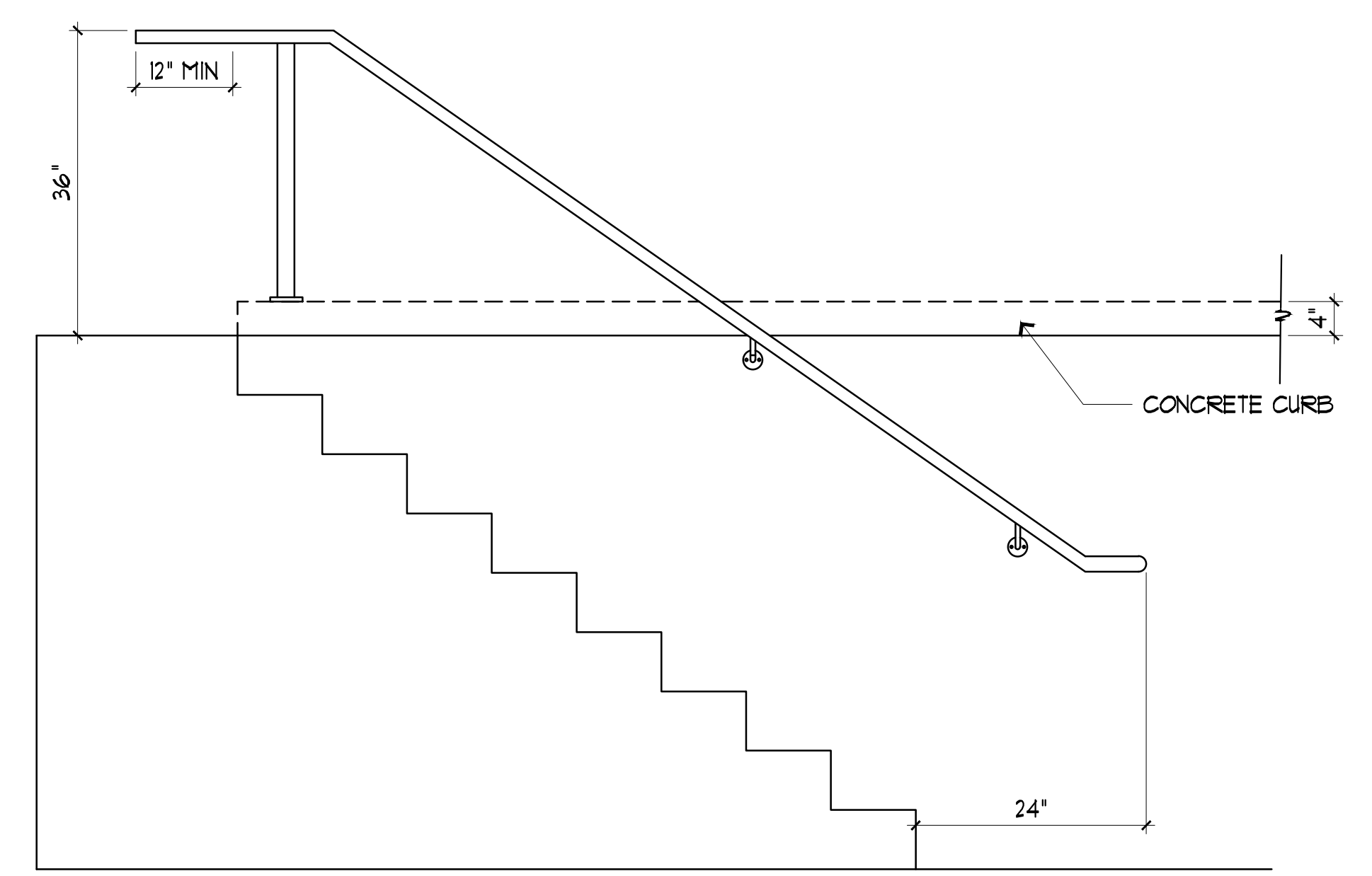
7 POST

SCALE: 1:1



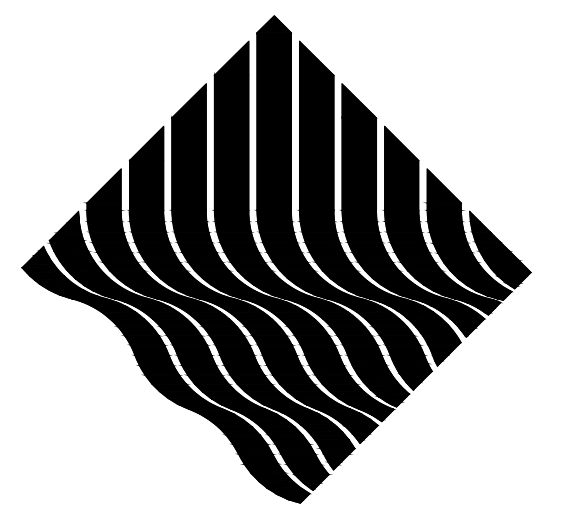
8 8' FENCE GATE DETAIL

SCALE: 1"=1' 0"



9 EXISTING STAIRS TO UNDERGROUND OFFICE

SCALE: 3/4"=1' 0"



ARCH-PAC
 AQUATICS
 1241 DISTRIBUTION WAY, SUITE 11
 VISTA - CA 92081
 PH: 760-734-1600



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CONTACT:	THOMAS VALDEZ 510-301-4024
REVISION:	
DATE:	
NO.:	
DRAWING TITLE:	FENCE DETAILS
JOB TITLE:	CHABOT COLLEGE POOL RENOVATION
JOB ADDRESS:	25555 HESPERIAN BLVD., HAYWARD, CA 94545
DATE:	23 JUN 2020
SCALE:	AS NOTED
DRAWN BY:	LTY
DRAWING NO.:	SP9-6R