

Questions and Answers

Construct Perimeter Fence and Security Gate

VA-246-12-B-0081

(ANSWERS ARE IN BOLD)

1. Please provide a scale for sheet G-102 of the plan set....there is none shown.
 - **Attached**
2. The scale currently shown on sheet A-101 is 1/8' = 1". For example, if this scale is used to determine the width of Brenner Street, then the width would equal 1/4". Please provide the correct scale for sheet A-101.
 - **Attached (Drawing has been reformatted for this scale).**
3. In specification section 32-31-53 2.2 Perimeter Fence the acceptable products for the project are identified as "an aluminum palisade style fence system". No other criteria is listed. Can you provide more detail as to what fence is required to be installed.

- **The Contractor shall supply a total industrial ornamental aluminum fence system of the Ameristar, Echelon II, or equivalent (specify Classic, Majestic, Genesis ,Invincible, or equivalent) design. The system shall include all components (i.e., pickets, rails, posts, gates and hardware) required.**

4. What size post and what wall thickness are the line post,? gate post? and end post to be?

Refers to only Aluminum Fence section between Brick pillars.

- **The Post Size 3" x 3" x .120" Alum.**
- **Gates #3 shall be fabricated using 1.75" sq. reinforced ForeRunner rail material, 1.75" sq. x .250" gate ends, and 1" sq. x .125" pickets.**
- **All other gates shall be constructed to the same classification of fence section in reference to wind loads and vertical loads.**

5. What length post and how deep of embedment into the concrete footings is required?
 - **Min of 36" embedment into concrete and for length of post, refer to Drawing S-101 for total height of fence to be min 8 feet. All Post and pickets tops between brick pillars shall be the same throughout.**
 - **All Picket Tops and Post top are to be in a straight uniform appearance. All Post and Pickets are to be in vertical aligned and plumbed. The maximum variation in installation height of one section (with all elements as a whole) between brick pillars is 2" in relationship to requirements of S-101. COR approval required if section is out of tolerance.**
 - **Stepping of the Perimeter Fence is not acceptable.**

6. What size pickets, spacing and wall thickness are required?

Refers to only Aluminum Fence section between Brick pillars.

- **Min of 1" x 0.65 wall pickets**
- **Spacing 3-3/4"-6"**

7. What size & how many horizontal rails?

- **All sizes and horizontal rails to conform to the requirements Ameristar, Echelon II, or equivalent as per S-101.**

8. What is the minimum horizontal and vertical load are the panels required to support?

- **Wind load capacity 42 PSF (Wind Load Capacity mph 126) and vertical loads as per recommendation of manufacturer to withstand 500lbs between embedded post.**

9. Are the gates to be provided by same manufacture as the fence panels and post?

- **YES, Gates are to match to fence panels and post that adheres to the recommendations of manufactures under Section 32 31 13. Fence system shall give an appearance that will be same throughout.**

10. The two swinging pedestrian gates are shown on the drawings with electric gate operators installed on them. If installed this way they will not be UL 325 compliant for the safety of pedestrians. Will the VA give a waiver of liability to the installing contractor for these gates?

- **All Gates are to be in accordance of UL 325 and refer to revise Drawing S-102 for Pedestrian gates requirements & A-101.**

11. In viewing the fence proposed location numerous large diameter tree stumps and shrubs are along the proposed fence line, to what dept are the roots and stumps they to be removed?

- **Remove Tree roots and shrubs in their entirety.**

12. do you have anti-crash requirements?

- **Please clarify.**

13. Do you want standard ornamental? The spec mentions "pales" which on our impasse product is a corrugated type picket

- **The Contractor shall supply a total industrial ornamental aluminum fence system of the Ameristar, Echelon II, or equivalent (specify Classic, Majestic, Genesis, Invincible, or equivalent) design. The system shall include all components (i.e., pickets, rails, posts, gates and hardware) required.**

14. What size pickets do you want it standard ornamental? For eight-foot tall fence it would be either be ¾ or 1"...

As long as the fence meets the standards:

- **Wind load capacity 42 PSF (Wind Load Capacity mph 126) and vertical loads as per recommendation of manufacturer to withstand 500lbs between embedded post.**

15. Do you want the inverted V-shaped shown on the drawings at the Gates and post terminals- is offering standard style there acceptable to save cost.

As long as the fence meets the standards:

- **Wind load capacity 42 PSF (Wind Load Capacity mph 126) and vertical loads as per recommendation of manufacturer to withstand 500lbs between embedded post and has the same appearance throughout.**

16. Does this project have a LEED goal?

Refer to General Requirements 01 00 00 para. 1.21

17. The drawings say aluminum or similar type fence- can the fence be steel?

- **Yes, if the Steel is Hot Dipped Galvanized with undercoat and a baked on powder coat finish.**
- **If any welding on site the steel fence will be only accepted with a proper Zinga cold galvanized method for repairs which such system must be submitted to the government for approval.**

18. Since the design is based on an 8 foot panel width - where it concerns sagging do you want a single wall or double wall rail? When it comes to eight-foot tall product, especially when there is only two horizontal rails as shown in the drawing, a double wall rail offers more tensile strength and is less likely to sag. In many cases single wall rail product is only available in 6 foot wide panels. Double wall product will be more expensive (Ameristar's product is double wall) will you choose product strictly on price?

As long as the fence meets the standards:

- **Wind load capacity 42 PSF (Wind Load Capacity mph 126) and vertical loads as per recommendation of manufacturer to withstand 500lbs between embedded post. Contractor to install a system as to meet these requirements. Also, the height and aesthetic of the perimeter in relationship to the brick pillars and gates are to be same throughout.**

19. As far as pickets fastening to the rails. Singlewall products generally offer pickets attached to the rail via some type of screw or rivet. With this economy we have started to see many people removing the pickets from ornamental fence and taking them to the recycler. Ameristar's aluminum offers an internal retaining rod of attaching the pickets to the rail and is tamper resistance. Does it make a difference to you which method?

- **Refer to Question #12**