Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including MasterFormat, SectionFormat, and PageFormat, as described in The Project Resource Manual—CSI Manual of Practice, Fifth Edition.

This section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Specifier Notes” after editing this section.


SECTION 02820 (32 31 19)
ALUMINUM FENCES AND GATES

Specifier Notes: This section covers Master Halco “Colonial” Aluminum Fence Systems. Consult Master Halco for assistance in editing this section for the specific application.

PART 1  GENERAL

1.1  SECTION INCLUDES

Specifier Notes: Coordinate the following sentence with the type of fence specified in Part 2 of this section.

A. [Residential] [Commercial] aluminum fences and gates.

1.2  REFERENCE STANDARDS

Specifier Notes: List reference standards mentioned in this section, complete with designations and titles. Delete reference standards not included in this edited section. This article does not require compliance with reference standards, but is merely a listing of those used.


1.3 SUBMITTALS

Specifier Notes: Edit submittal requirements as required. Delete submittals not required.

A. Comply with Section 01330 (01 33 00) – Submittal Procedures.

B. Product Data: Submit manufacturer’s product data, including installation instructions.

C. Shop Drawings: Submit manufacturer’s shop drawings, indicating materials, dimensions, tolerances, hardware, fasteners, mounting, accessories, and finish.

Specifier Notes: Delete samples if not required.

D. Samples: Submit manufacturer’s standard color samples:

E. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.

F. Test Reports:

Specifier Notes: Edit the following sentence as required.

1. Coatings: Submit verification that manufacturer has successfully tested their powder coating process and powder coating finish in compliance with [AAMA 2604] [AAMA 2605] specifications.
   a. Testing: Performed by qualified, independent testing laboratory.

G. Cleaning Instructions: Submit manufacturer’s cleaning instructions.

H. Warranty Documentation: Submit manufacturer’s standard warranty.

1.4 DELIVERY, STORAGE, AND HANDLING

A. Delivery and Acceptance Requirements: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.

B. Storage and Handling Requirements:
   1. Store and handle materials in accordance with manufacturer’s instructions.
2. Keep materials in manufacturer’s original, unopened containers and packaging until installation.
3. Store materials in clean, dry area.
4. Keep temporary protective coverings in place.
5. Protect materials and finish during storage, handling, and installation to prevent damage.

1.5 WARRANTY

A. Warranty Period: Lifetime.

PART 2 PRODUCTS

2.1 MANUFACTURER


2.2 RESIDENTIAL ALUMINUM FENCES AND GATES

A. Construction:
   1. Material: Aluminum.
      c. Pickets: Alloy 6063-T52.
   2. Hidden picket fasteners and notched rails, no screws.

Specifier Notes: Specify the required model of residential aluminum fence and delete the others.

B. Model: Colonial Universal Spear 3-rail aluminum fence system.
   1. Height:

Specifier Notes: Specify the required fence height.

[a. 48 inches (1,219 mm).]
[b. 60 inches (1,524 mm).]
[c. 72 inches (1,829 mm).]

Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.
3. Posts:
Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

- 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.
- 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

- 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.
- 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

- 2-inch (51-mm) by 2-inch (51-mm) flat.
- 2-inch (51-mm) by 2-inch (51-mm) ball.

6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.

7. Pickets:
   - Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   - Spacing: 3.792 inches (96 mm) between pickets.
   - Top: Straight.

Specifier Notes: Specify the required finials. Spear finials are standard.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

Specifier Notes: Two-ring bar is optional. Delete if not required.


Specifier Notes: Short pickets are optional. Delete if not required.

10. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

Specifier Notes: Specify the style of finials on short pickets.

- Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].
- Model: Colonial Universal Spear 3-rail flush-bottom aluminum fence system.
Specifier Notes: This fence system meets BOCA pool code requirements for height.

1. Height: 57 inches (1,448 mm).

Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.
3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-inch (51-mm) by 2-inch (51-mm) flat.]
[b. 2-inch (51-mm) by 2-inch (51-mm) ball.]

6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.

7. Pickets:
   a. Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   b. Spacing: 3.792 inches (96 mm) between pickets.
   c. Top: Straight.

Specifier Notes: Specify the required finials. Spear finials are standard.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

Specifier Notes: Two-ring bar is optional. Delete if not required.


D. Model: Colonial Universal Staggered Spear 3-rail aluminum fence system.
1. Height: 48 inches (1,219 mm).
Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.

3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-inch (51-mm) by 2-inch (51-mm) flat.]
[b. 2-inch (51-mm) by 2-inch (51-mm) ball.]

6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.

7. Pickets:
   a. Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   b. Spacing: 3.792 inches (96 mm) between pickets.

Specifier Notes: Specify the required finials. Spear finials are standard.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

Specifier Notes: Two-ring bar is optional. Delete if not required.


Specifier Notes: Short pickets are optional. Delete if not required.

10. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

Specifier Notes: Specify the style of finials on short pickets.
a. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

E. Model: Colonial Universal 2-rail flat-top aluminum fence system.

Specifier Notes: This fence system meets BOCA pool code requirements for height and picket spacing.

1. Height: 48 inches (1,219 mm).

Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.
3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-inch (51-mm) by 2-inch (51-mm) flat.]
[b. 2-inch (51-mm) by 2-inch (51-mm) ball.]

6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.

7. Pickets:
   a. Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   b. Spacing: 3.792 inches (96 mm) between pickets.

F. Model: Colonial Universal 3-rail flat-top aluminum fence system.

1. Height:

Specifier Notes: Specify the required fence height.

[a. 48 inches (1,219 mm).]
[b. 60 inches (1,524 mm).]
[c. 72 inches (1,829 mm).]
Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.
3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

   [a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
   [b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

   [a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
   [b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

   [a. 2-inch (51-mm) by 2-inch (51-mm) flat.]
   [b. 2-inch (51-mm) by 2-inch (51-mm) ball.]

6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.

7. Pickets:
   a. Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   b. Spacing: 3.792 inches (96 mm) between pickets.

Specifier Notes: Two-ring bar is optional. Delete if not required.

8. Two-ring bar.

Specifier Notes: Short pickets are optional. Delete if not required.

9. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

G. Model: Colonial Universal 3-rail flat-top flush-bottom aluminum fence system.

1. Height:

Specifier Notes: Specify the required fence height. This fence system meets BOCA pool code requirements for height.

   [a. 54 inches (1,372 mm).]
[b. 72 inches (1,829 mm).]

Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.
3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]
4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]
5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-inch (51-mm) by 2-inch (51-mm) flat.]
[b. 2-inch (51-mm) by 2-inch (51-mm) ball.]
6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.
7. Pickets:
   a. Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   b. Spacing: 3.792 inches (96 mm) between pickets.

Specifier Notes: Two-ring bar is optional. Delete if not required.

8. Two-ring bar.

H. Model: Colonial Universal Spear 3-rail aluminum fence system with flat top and alternating spears.
   1. Height: 48 inches (1,219 mm).

Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.
3. Posts:
Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-inch (51-mm) by 2-inch (51-mm) flat.]
[b. 2-inch (51-mm) by 2-inch (51-mm) ball.]

6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.

7. Pickets:
   a. Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   b. Spacing: 3.792 inches (96 mm) between pickets.

Specifier Notes: Specify the required finials.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

Specifier Notes: Short pickets are optional. Delete if not required.

9. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

   I. Model: Colonial Universal Spear 3-rail flush-bottom aluminum fence system with flat top and alternating finials.

Specifier Notes: This fence system meets BOCA pool code requirements for height.

1. Height: 54 inches (1,372 mm).

Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.
3. Posts:
Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-inch (51-mm) by 2-inch (51-mm) flat.]
[b. 2-inch (51-mm) by 2-inch (51-mm) ball.]

6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.

7. Pickets:
   a. Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   b. Spacing: 3.792 inches (96 mm) between pickets.

Specifier Notes: Specify the required finials.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

J. Model: Colonial Picket 3-rail aluminum fence system with alternating pickets.
   1. Height: 48 inches (1,219 mm).

Specifier Notes: Custom section widths less than 6 feet are available. Consult Master Halco for more information.

2. Width: 6 feet (1,828 mm) on center.
3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2 inches by 2 inches with 0.060-inch wall thickness.

[a. 2 inches (51 mm) by 2 inches (51 mm), 0.060-inch (1.5-mm) wall thickness.]
[b. 2 inches (51 mm) by 2 inches (51 mm), 0.125-inch (3.2-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.
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5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

6. Rails: 1 inch (25 mm) high, 0.082-inch (2.1-mm) wall thickness by 1 inch (25 mm) wide, 0.055-inch (1.40-mm) wall thickness.

7. Pickets:
   a. Size: 5/8 inch (16 mm) by 5/8 inch (16 mm), 0.045-inch (1.1-mm) wall thickness.
   b. Spacing: 3.792 inches (96 mm) between pickets.

Specifier Notes: Two-ring bar is optional. Delete if not required.

8. Two-ring bar.

Specifier Notes: Short pickets are optional. Delete if not required.

9. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.


K. Finish:

Specifier Notes: Specify the powder coating type. AAMA 2603 powder coating in Matte Black and AAMA 2604 powder coating in Gloss White and Metallic Bronze are standard. Other colors are an optional upgrade.

1. Powder Coating: [AAMA 2603 compliant] [Verified AAMA 2604 compliant] [Verified AAMA 2605 compliant].
   a. VOC: 0.

Specifier Notes: Specify the desired color. Consult Master Halco for availability of custom colors.

2. Color:
   a. AAMA 2603 Powder Coating: Matte Black.
   b. AAMA 2604 Powder Coating: [Black Fine Texture] [Evergreen] [Gloss Beige] [Gloss White] [Metallic Bronze] [Metallic Bronze Fine Texture] [Satin Black].
   c. AAMA 2605 Powder Coating: [Black Fine Texture] [Gloss White] [Metallic Bronze] [Metallic Bronze Fine Texture] [Satin Black].

2.3 COMMERCIAL ALUMINUM FENCES AND GATES

A. Construction:
   1. Material: Aluminum.
b. Pickets: Alloy 6063-T52.

Specifier Notes: Specify notched rails or bracketed mounting system. Notched rails are standard. Bracketed mounting system is optional.

2. Mounting Rails to Posts: Hidden picket fasteners and [notched rails] [bracketed mounting system], no visible screws.

Specifier Notes: Specify the required model of commercial aluminum fence and delete the others.

B. Model: Colonial Plus Spear 3-rail aluminum fence system.
1. Height:

Specifier Notes: Specify the required fence height.

[a. 48 inches (1,219 mm).]
[b. 60 inches (1,524 mm).]

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]
3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]
5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.
   c. Top: Straight.

Specifier Notes: Specify the required finials. Spear finials are standard.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

Specifier Notes: Two-ring bar is optional. Delete if not required.


Specifier Notes: Short pickets are optional. Delete if not required.

10. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

Specifier Notes: Specify the style of finials on short pickets.

   a. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

C. Model: Colonial Plus Spear 4-rail aluminum fence system.

1. Height: 72 inches (1,829 mm).

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]

3. Posts:
Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.
   c. Top: Straight.

Specifier Notes: Specify the required finials. Spear finials are standard.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

Specifier Notes: Two-ring bar is optional. Delete if not required.


Specifier Notes: Short pickets are optional. Delete if not required.
10. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

Specifier Notes: Specify the style of finials on short pickets.

a. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

D. Model: Colonial Plus Staggered Spear 3-rail aluminum fence system.
1. Height: 48 inches (1,219 mm).

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]
3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]
5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]
6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.

Specifier Notes: Specify the required finials. Spear finials are standard.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

Specifier Notes: Two-ring bar is optional. Delete if not required.


Specifier Notes: Short pickets are optional. Delete if not required.

10. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

Specifier Notes: Specify the style of finials on short pickets.

   a. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

E. Model: Colonial Plus Universal 2-rail flat-top aluminum fence system.

Specifier Notes: This fence system meets BOCA pool code requirements for height and picket spacing.

1. Height: 48 inches (1,219 mm).

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]

3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

   [a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
   [b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]

4. Gate Posts:
Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.

8. F. Model: Colonial Plus Universal 3-rail flat-top aluminum fence system.

   1. Height:

Specifier Notes: Specify the required fence height.

[a. 48 inches (1,219 mm).]
[b. 60 inches (1,524 mm).]

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]

3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.

Specifier Notes: Two-ring bar is optional. Delete if not required.

8. Two-ring bar.

Specifier Notes: Short pickets are optional. Delete if not required.

9. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

G. Model: Colonial Plus Universal 4-rail flat-top aluminum fence system.
1. Height: 72 inches (1,829 mm).

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]
3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.

Specifier Notes: Two-ring bar is optional. Delete if not required.

8. Two-ring bar.

Specifier Notes: Short pickets are optional. Delete if not required.

9. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

H. Model: Colonial Plus Universal 3-rail flush-bottom flat-top aluminum fence system.
Specifier Notes: This fence system meets BOCA pool code requirements for height and picket spacing.

1. Height: 54 inches (1,372 mm).

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]

3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:

a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
b. Spacing: 3.938 inches (100 mm) between pickets.
Specifier Notes: Two-ring bar is optional. Delete if not required.

8. Two-ring bar.

I. Model: Colonial Plus Universal Spear 3-rail flat-top aluminum fence system with alternating spears.

1. Height:

Specifier Notes: Specify the required fence height.

[a. 48 inches (1,219 mm).]
[b. 60 inches (1,524 mm).]

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]

3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.

Specifier Notes: Specify the required finials. Spear finials are standard.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

Specifier Notes: Short pickets are optional. Delete if not required.

9. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

J. Model: Colonial Plus Universal Spear 3-rail flat-top flush-bottom aluminum fence system with alternating SPEARS.

Specifier Notes: This fence system meets BOCA pool code requirements for height and picket spacing.

1. Height: 54 inches (1,372 mm).

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]

3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.

Specifier Notes: Specify the required finials. Spear finials are standard.

8. Finials: [Spear] [Triad] [Quad] [Fleur-de-lis].

K. Model: Colonial Plus Picket 3-rail aluminum fence system with alternating spears.

1. Height:

Specifier Notes: Specify the required fence height.

[a. 48 inches (1,219 mm).]
[b. 60 inches (1,524 mm).]

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.

2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]

3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:
   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.

Specifier Notes: Two-ring bar is optional. Delete if not required.

8. Two-ring bar.

Specifier Notes: Short pickets are optional. Delete if not required.

9. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.


L. Model: Colonial Plus Picket 4-rail aluminum fence system with alternating spears.
   1. Height: 72 inches (1,829 mm).

Specifier Notes: Custom section widths less than 8 feet are available. Consult Master Halco for more information.
2. Width: [8 feet (2,438 mm) on center, bracketed.] [94 inches (2,388 mm) on center, routed.]

3. Posts:

Specifier Notes: Specify the required posts. Standard posts are 2-1/2 inches by 2-1/2 inches with 0.090-inch wall thickness.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]

4. Gate Posts:

Specifier Notes: Specify the required gate posts.

[a. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.090-inch (2.29-mm) wall thickness.]
[b. 2-1/2 inches (64 mm) by 2-1/2 inches (64 mm), 0.125-inch (3.18-mm) wall thickness.]
[c. 3 inches (76 mm) by 3 inches (76 mm), 0.125-inch (3.18-mm) wall thickness.]
[d. 4 inches (102 mm) by 4 inches (102 mm), 0.25-inch (6.35-mm) wall thickness.]
[e. 6 inches (152 mm) by 6 inches (152 mm), 0.185-inch (4.70-mm) wall thickness.]

5. Post Caps:

Specifier Notes: Specify the required post caps. Flat post caps are standard.

[a. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) flat.]
[b. 3-inch (76-mm) by 3-inch (76-mm) flat.]
[c. 4-inch (102-mm) by 4-inch (102-mm) flat.]
[d. 6-inch (152-mm) by 6-inch (152-mm) flat.]
[e. 2-1/2-inch (64-mm) by 2-1/2-inch (64-mm) ball.]
[f. 3-inch (76-mm) by 3-inch (76-mm) ball.]
[g. 4-inch (102-mm) by 4-inch (102-mm) ball.]

6. Rails: 1-1/2 inches (38 mm) high, 0.075-inch (1.91-mm) wall thickness by 1-1/4 inches (32 mm) wide, 0.065-inch (1.65-mm) wall thickness.

7. Pickets:

   a. Size: 3/4 inch (19 mm) by 3/4 inch (19 mm), 0.053-inch (1.34-mm) wall thickness.
   b. Spacing: 3.938 inches (100 mm) between pickets.

Specifier Notes: Two-ring bar is optional. Delete if not required.

8. Two-ring bar.

Specifier Notes: Short pickets are optional. Delete if not required.

9. Short Pickets: 20-inch (508-mm) tall pickets in-between standard pickets at bottom of sections.

M. Finish:

Specifier Notes: Specify the powder coating type. AAMA 2603 powder coating in Matte Black and AAMA 2604 powder coating in Gloss White and Metallic Bronze are standard. Other colors are an optional upgrade.

1. Powder Coating: [AAMA 2603 compliant] [Verified AAMA 2604 compliant] [Verified AAMA 2605 compliant].
   a. VOC: 0.

Specifier Notes: Specify the desired color. Consult Master Halco for availability of custom colors.

2. Color:
   a. AAMA 2603 Powder Coating: Matte Black.
   b. AAMA 2604 Powder Coating: [Black Fine Texture] [Evergreen] [Gloss Beige] [Gloss White] [Metallic Bronze] [Metallic Bronze Fine Texture] [Satin Black].
   c. AAMA 2605 Powder Coating: [Black Fine Texture] [Gloss White] [Metallic Bronze] [Metallic Bronze Fine Texture] [Satin Black].

2.4 ALUMINUM GATES

Specifier Notes: The aluminum gates specified in this section are “Colonial” fence systems standard gates. Master Halco also manufactures “Colonial” U-frame aluminum gates. U-frame gates are from 3 feet to 9'-6" in height and from 3 to 22 feet in width for single gates and up to 44 feet for double gates. U-frame gates include welded, heavy-duty, U-frame construction and meet ASTM F 2200 and UL 325 for automated vehicular gate construction. Consult Master Halco for more information.

A. Gates: Colonial Aluminum Fence System.

B. Construction:
   1. Material: Aluminum.
      b. Pickets: Alloy 6063-T52.
   2. Rails and pickets welded.
   3. Gate Width:

Specifier Notes: Specify the required gate width.

   [a. 48 inches (1,219 mm).]
   [b. 60 inches (1,524 mm).]
   5. Finish: Same AAMA-compliant powder coating as fence.
   6. Color: Same as fence.

C. Hinges:
Specifier Notes: Specify the type of gate hinges.

2. “Multi-Fit”: Molded polymer hinges with stainless steel components.
3. Triple-barrel aluminum hinges.

D. Latches:

Specifier Notes: Specify the type of gate latches.


2.5 OPTIONS

Specifier Notes: The following paragraphs specify optional products. Specify required options. Consult Master Halco for more information.

A. Welded Plates for Posts for Fences and Gates:
   1. For installation of posts to top of concrete.
   2. Material: Aluminum plate, alloy 6063-T6. 4 inches (102 mm) by 4 inches (102 mm).
   3. Finish: Same AAMA-compliant powder coating as fence.
   4. Color: Same as fence.

B. Wall Mounts for Fences:
   1. For installation of fence sections to existing structure.
   2. Material: Aluminum die cast. Straight or angle.
   3. Finish: Same AAMA-compliant powder coating as fence.
   4. Color: Same as fence.

C. Double-Punch Sections for Fences: When more than 20-inch (508-mm) racking per section is needed.

D. Touch-up Paint:
   1. Touch-up paint pens and aerosol spray paint cans.
   2. Match color of fence.

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine areas to receive fences and gates for property lines and underground utilities.
B. Notify Architect of conditions that would adversely affect installation or subsequent use of fences and gates.

C. Do not proceed with installation until unsatisfactory conditions are corrected.

3.2 INSTALLATION

A. Install fences and gates in accordance with manufacturer's instructions at locations indicated on the Drawings.

B. Install fences and gates plumb, level, straight, square, accurately aligned, correctly located, to proper elevation, and secure.

Specifier Notes: Edit the following paragraph as required for the project. Check with local frost level codes.

C. Post Holes:
   1. Install posts in concrete.
   2. Drill post holes 6 inches (152 mm) to 9 inches (229 mm) in diameter and 36 inches (914 mm) minimum depth.
   3. Place posts in holes and backfill with concrete from 8 to 10 inches (203 to 254 mm) below grade.
   4. Fill remaining hole with dirt or decorative stone.

D. Install aluminum post stiffeners inside gate posts.

E. Install gates using manufacturer's supplied hardware and fasteners.

F. Install caps to top of posts.

G. Repair minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.

H. Remove and replace damaged components that cannot be successfully repaired as determined by Architect.

3.3 ADJUSTING

A. Adjust gates and operating hardware to function properly and for smooth operation without binding.

3.4 CLEANING

A. Clean fences and gates promptly after installation in accordance with manufacturer's instructions.

B. Do not use harsh cleaning materials or methods that would damage finish.

3.5 PROTECTION
A. Protect installed fences and gates to ensure that, except for normal weathering, fences and gates will be without damage or deterioration at time of Substantial Completion.

END OF SECTION