



MACARO
IRON WORKS



Our Facility



**Our business is dedicated to providing superior railings,
innovative designs, and quality craftsmanship.
We strive to offer the highest standards of customer
service and look forward to your experience with us.**

Welcome to



Macaro Iron Works is a manufacturer of hand-crafted powder coated aluminum railings for residential and commercial projects in the Tri- State area.

My father and I started Macaro Iron Works in 2006, which has been family owned and operated in Manville, NJ ever since. At Macaro Iron Works, we strive to provide the highest quality railings at the most reasonable prices, with unsurpassed customer service.

Macaro Iron Works handles all projects in-house, from start to finish. We are able to oversee every step of the process and we will never compromise the quality of our railings. At Macaro Iron Works, we believe that you are not only getting a railing, but also a piece of art.

If you dream it, we can fabricate it.

The Process

- From the start of your project, you will work with a design consultant in our design center in Manville, NJ or one of our three mobile design centers.
- The fabrication then begins; our skilled craftsmen lay out your railings. They measure, cut, and form all of the components needed to create your railings.
- Your railings are transferred to the welding department, where all of the components are welded together to create your railings.
- Next, your railings are moved to our powder coating department, where a durable powder coat is applied and cured.
- Finally, the day you have been waiting for is here. Our highly trained installation team arrives to install your railings. As they begin to set up for your installation, various steps are taken to ensure the highest level of safety for themselves, you and your property. Your railings are installed using a mix of state of the art equipment and old world craftsmanship. Once the work is complete, our installers clean the work area and make a final inspection to certify the installation was done correctly.



7500 Molding



7500

2 1/4" wide, solid handrail. This features a traditional look of iron railings. 7500 can be radius (bent) to a custom fit. Mostly used on masonry porches and steps. Standard with 3/4" pickets and 1 1/2" post.



7500 Top Molding with 1 1/2 in. posts, 3/4 in. pickets, double single collars, and lambs tongue. Textured Bronze.



7500 Top Molding with 1 1/2 in. posts, 3/4 in. pickets, double single collar, Floris-Dis-Arrowheads in top valance, and custom extra-large lambs tongue. Textured Brown.



7500 Top Molding Standard with volutes. White.



7500 Top Molding with 1 1/2 in. posts, 3/4 in. pickets, and collars every other picket. Textured Black.

A-3



A-3

2 1/2" wide hollow handrail. This is the most common aluminum railing, it is very similar to the 7500. Mostly used on masonry porches, decks, balconies, and ramps. Standard with 3/4" pickets, 2 1/2" end post and 1 1/2" post if needed or preferred.



A-3 Top Molding Standard with 2 1/2 in. posts. White.



A-3 Top Molding with 2 1/2 in. posts, 3/4 in. bow pickets, and C-scrolls in top valance. Textured Bronze.



A-3 Top Molding with 2 1/2 in. posts, 3/4 in. pickets, collars every other picket, C-scrolls in top valance, and custom extra-large lambs tongue. Black.



A-3 Top Molding with 2 1/2 in. posts, 3/4 in. pickets, S-scrolls in top valance, and acorn caps. Textured Black.

R-1



R-1

2 1/2" wide by 2" tall hollow molding. The R-1 resembles the traditional PVC railing. Mostly used on decks, masonry porches, balconies, and ramps. Standard with 3/4" pickets, 2 1/2" post and 1 1/2" post if needed.



R-1 Top Molding with 2 1/2 in. posts, 3/4 in. pickets, collars every other picket, and C-scrolls in top valance. White.



R-1 Double Channel with 3 in. posts, and 1 in. pickets. Textured Black.



R-1 Double Channel with 3 in. posts, and 1 in. pickets, and collars every other picket. White.



R-1 Top Molding 2 1/2 in. posts, and 3/4 in. pickets, and rings in top valance. Textured Black.

GM-1



GM-1

2 1/2" wide by 1 1/2" tall hollow molding. This molding has a similar look to traditional wood rail and has a bulkier appearance. Mostly used on decks, ramps, balconies and masonry porches. Standard with 1" pickets, custom bottom channel and 2 1/2" post.



GM-1 Double Channel with 2 1/2 in. posts, and 1 in. pickets. White.



GM-1 Top Molding with 2 1/2 in. posts, and 1 in. pickets. White.



GM-1 Top Molding with 2 1/2 in. posts, and 1 in. pickets. White.

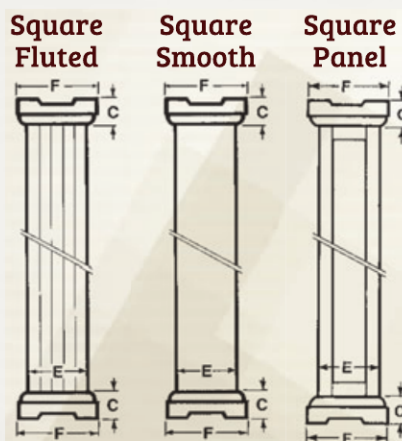


GM-1 Top Molding with 2 1/2 in. posts, and 1 in. pickets. White.

Square Columns



8 in. wide x 8 ft. tall Square Smooth Columns
Charleston Cap & Standard Base



4" columns are available with the Standard cap and base only. All other size columns are available with the Standard, Doric or Charleston cap and the Standard, Doric or Savannah base.

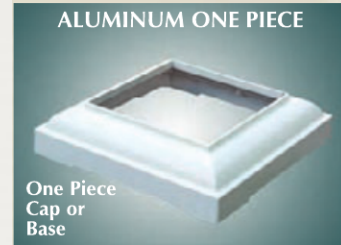


Square Panel Columns

CAP AND BASE STYLES



CAPS AND BASES



Dimensions & Load Data

(For Square Fluted, Square Smooth or Square Panel Columns and Caps/Bases)

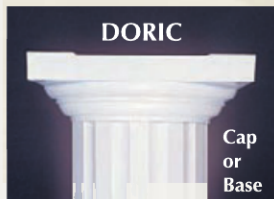
Nominal Width			Actual Width	Caps / Bases (width & height)										Standard Lengths in Ft.	No. Staves Sq. Panel	Load Lbs.	
				Polymer Composite		Standard		Doric		Charleston		Savannah					
Square Smooth	Square Fluted	Square Panel	E	C	F	C	F	C	F	C	F	C	F				
-	4"	-	4	-	-	13/8	6	-	-	-	-	-	-	8, 9, 10, & 12'	2	-	12,000
6"	6"	6"	5½	2	8½	2	8½	3¾	10½	6½	9¼	5¼	8	8, 9, 10, & 12'	4	4	12,000
8"	8"	8"	7½	2	10½	2	10½	3¾	12½	6½	11¼	5¼	10	8, 9, 10, 12, & 16'	4	4	18,000
10"	10"	10"	9½	-	-	25/16	12½	3¾	14½	6½	13¼	5¼	12	8, 9, 10, 12, 16, & 18'	4	4	25,000
12"	12"	12"	11½	-	-	2½	15	3¾	16½	10	17¼	5¼	14	8, 10, 12, 16, 18, & 20'	4	4	27,000
-	16"	16"	15½	-	-	3	20	3¾	20½	10	21¼	5¼	18	12, 16, 18, 20, & 24'	4	8	36,000

Note: All square column staves extend through caps and bases.

➡ Tested lengths are underlined

Round Columns

CAP AND BASE STYLES

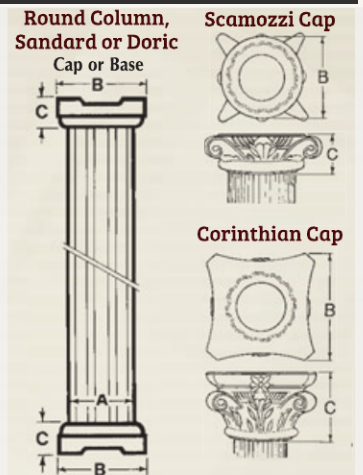


NOTE: Column staves extend through the Polymer Composite, Standard and Doric Caps and Bases.



NOTE: Column staves extend into the Scamozzi and Corinthian Caps, up to the bearing plate that is welded to the top surface of each of these caps.

CAPS AND BASES



Dimensions & Load Data (For Round Columns and Caps / Bases)

Nominal Diameter	Actual Diameter	Polymer Composite		Caps & Bases (width & height)								Standard Lengths in Ft.	No. Staves	Load Lbs.
				Standard		Doric		Scamozzi		Corinthian				
	A	B	C	B	C	B	C	B	C	B	C			
6"	5 ⁵ / ₈	7 ³ / ₄	11 ⁵ / ₁₆	7 ³ / ₄	11 ⁵ / ₁₆	-	-	-	-	-	-	8, 9, 10 & <u>12'</u>	3	13,000
8"	8	10	21 ¹ / ₁₆	10	21 ¹ / ₁₆	12 ¹ / ₄	33 ³ / ₄	12	51 ¹ / ₈	15 ³ / ₄	10	8, 9, 10, <u>12</u> , 14 & 16'	3	22,000
10"	10	-	-	12 ¹ / ₄	27 ¹ / ₁₆	14 ¹ / ₂	41 ¹ / ₄	12	51 ¹ / ₈	15 ³ / ₄	10	8, 9, 10, <u>12</u> , 14, 16, 18 & 20'	4	25,000
12"	11 ¹ / ₄	-	-	14 ¹ / ₈	3	17	5	14 ¹ / ₂	61 ¹ / ₂	20	12 ¹ / ₂	8, 9, 10, <u>12</u> , 16, 18 & 20'	5	30,000
15"	14 ³ / ₈	-	-	17 ⁷ / ₈	31 ¹ / ₂	20 ³ / ₄	53 ¹ / ₄	18 ¹ / ₂	71 ¹ / ₄	23 ¹ / ₂	15	<u>12</u> , 16, 18, 20 & 24'	6	34,000
18"	18	-	-	21 ⁵ / ₈	33 ³ / ₄	25 ¹ / ₂	61 ¹ / ₂	27	73 ³ / ₄	26 ¹ / ₂	18	<u>16</u> , 18, 20 & <u>24'</u>	6	38,000
24"	24	-	-	28	43 ³ / ₈	31 ³ / ₄	71 ¹ / ₈	38 ¹ / ₂	143 ³ / ₈	35 ¹ / ₂	25	16, 18, 20 <u>24</u> & 30'	6	50,000
30"	30	-	-	-	-	43 ⁵ / ₈	91 ¹ / ₂	-	-	-	-	16, 18, 20, <u>24</u> & 30'	8	50,000

➡ Tested lengths are underlined

Glass and Cable Rails



R-1 Top Molding with 3 in. posts, with 1/8 in. stainless cables. Textured Black.



2 x 2 Aluminum Square Frame with 1/8 in. stainless steel cables, and graspable handrail. Textured Bronze.



3 x 1/2 in. Cold Rolled Steel flat bar frame with 1/8 in. stainless steel cable, and custom wood top. Black.



2 x 2 Aluminum Square Frame with 1/8 in. stainless steel cables. Anodized Silver.



R-1 Top Molding with 2 1/2 in. posts, with 1/4 in. tempered glass infill panels. Textured Brown.



A-1 Top Molding with 2 1/2 in. posts, with 1/4 in. tempered glass infill panels. Textured Black.

Fences and Gates



A-3 Top Molding fence with MS-9 Scroll in top valance, 1 1/2 in. posts, 3/4 in. pickets, and double single collars. Textured Bronze.



Custom driveway double gate.



Fence with C-Scrolls in top valance, arrowheads on top and 3/4 in. pickets with collars every other picket, and MS-1 scroll design, and matching double gates. Textured Black.



7500 Top Molding Fence with double channel 2 1/2 in. posts, and 3/4 in. pickets. Black.



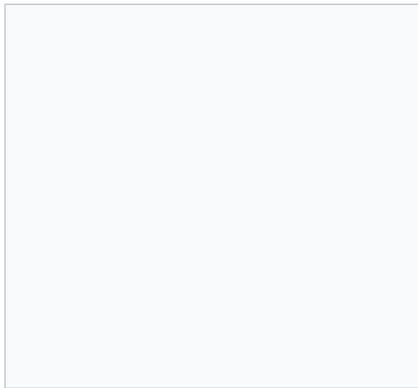
7500 Top Molding radiuses pool fence with double channel, 2 1/2 in. posts, 3/4 in. pickets, and arched Gate. Black.



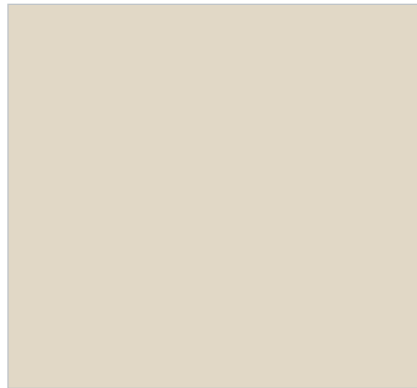
7500 Top Molding arched gate with rosette in top valance, double single collars and cast scroll in middle.



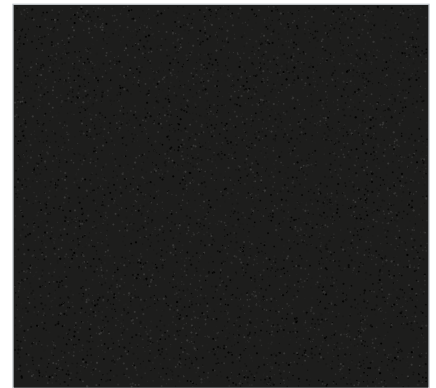
POWDER-COAT COLOR CHART



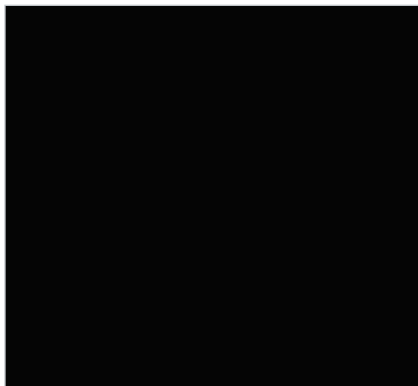
White



Bone White



Texture Black



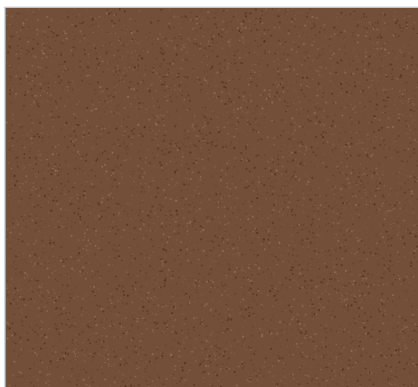
Black



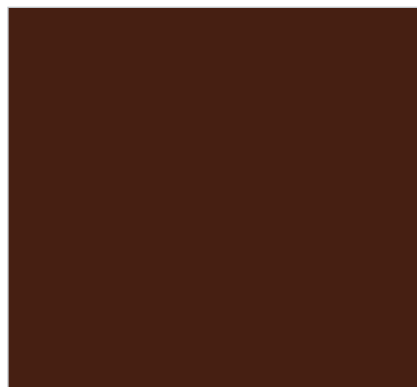
Texture Bronze



Bronze



Texture Brown



Brown



Anodized Silver

Color illustrations are approximate. Approve a physical sample for actual color, sheen and texture.



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