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Coda Architectural
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For more information visit us at CodaArchitectural.com








Fencing
Handrail Infill
Enclosure Screening
Architectural Accents
Gates
Trellis

Coda *noun* \ˈkō-də\: **a concluding section that is formally distinct from the main structure; something that serves to round out, conclude, or summarize and usually has its own interest.**

Welded steel grillework has long provided an attractive and efficient solution as the material of choice for infill panels, fences, trellises, sunscreens, and louver panels. Timeless in design, these products provide lasting security and code compliance as an integral component for a wide range of projects in the building industry.

Grating Pacific is proud to present Coda Architectural®, a continued evolution of this experience in a new, exciting line of architectural products. This new, exciting line of architectural products elevates traditional steel to an attractive concluding element for any architectural work.

Coda Architectural products are a visually elegant, distinctly flexible and provide a complementary finish to any architectural design.

- Cost 
- Fencing 
- Sunshades 
- Louvers + Screening 
- Handrail Infill Panels 
- Trellis Systems 
- Security Gates 

The Opus Line

The Opus line represents the marquee offering from Coda Architectural. Infused with European design, these products provide a distinct yet complementary accent.

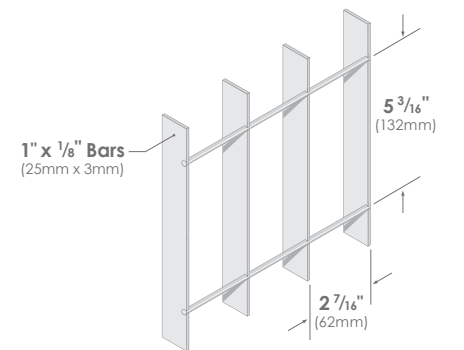
Functional and durable, a series of square and rectangular patterns are offered as a creative solution for a variety of challenging applications. Manufactured from recycled and recyclable materials, these products are easily fabricated with contours, diagonals, and finish trim to enhance adjacent architecture. Finished in a variety of metallic and organic coatings, the panels provide an aesthetic solution to screening and fencing applications of all types.

For more information and to download Opus product details, visit www.CodaArchitectural.com

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OPUS10



The most widely used rectangular design, Opus10 features timeless lines combined with unmatched versatility. This remarkably cost-effective solution to fencing requirements provides a unique blend of security and aesthetics.

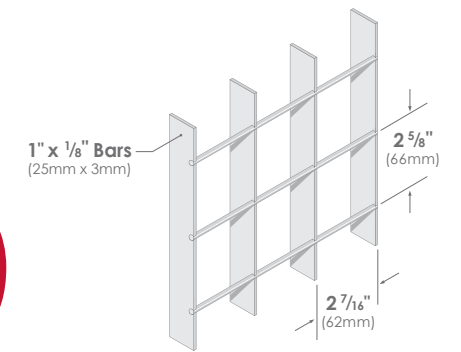
Opus10 panels are easily fabricated to any size, shape, or configuration to complement all architectural applications.

- Architectural, industrial, and residential applications
- Distinct and timeless rectangular pattern
- Maximum design flexibility
- 2 7/16" x 5 3/16" rectangular grid
- Available with all framing & post options
- Wide variety of finishes and colors

WEIGHT PER SQUARE FOOT	
3mm Main Bar	2.2# /sq. ft.
2mm Main Bar	1.6# /sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus10





OPUS20

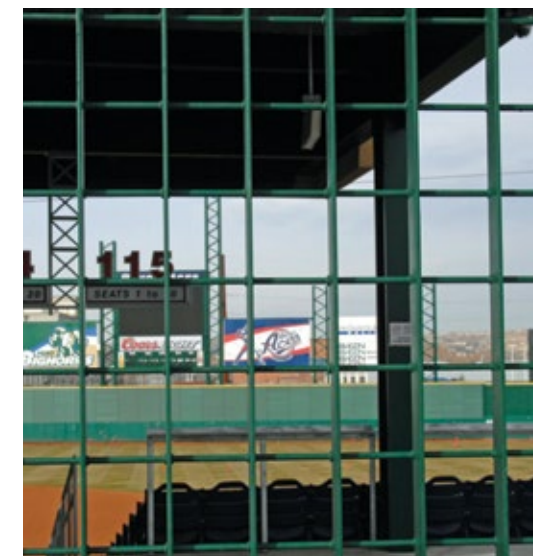
Our most popular square mesh pattern, Opus20 subtly suggests strength, rigidity, and security. This ideal solution for industrial and commercial applications provides a superior strength-to-weight ratio over other economical fencing products.

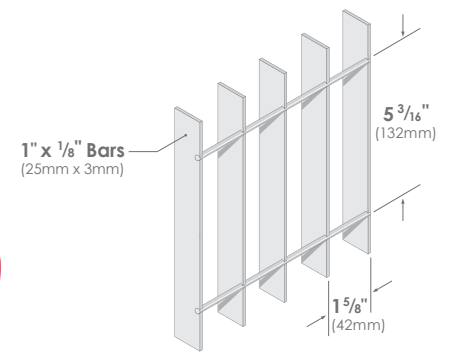
To complement the most creative architectural applications, Opus20 panels may be easily fabricated to any size, shape, or configuration.

- Pleasant visual accent
- Square mesh provides visual symmetry
- Maximum design flexibility
- Discreet security
- 2 5/8" nominally square grid
- Conforms to IBC safety requirements
- Available with all framing & post options
- Wide variety of finishes and colors

WEIGHT PER SQUARE FOOT	
3mm Main Bar	2.5 #/sq. ft.
2mm Main Bar	1.8 #/sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus20





OPUS30

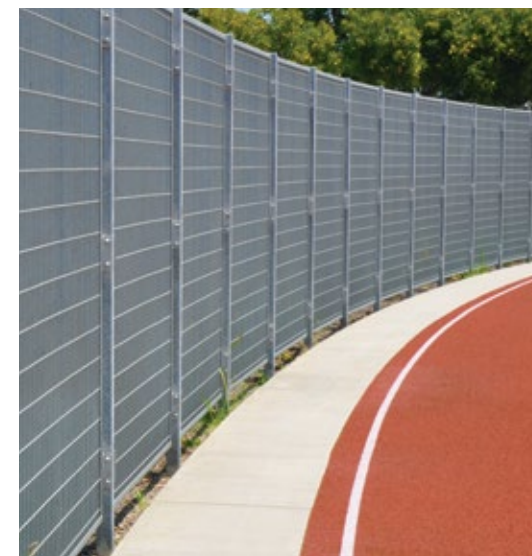
The closely spaced main elements of this classic design make Opus30 the perfect choice where increased visual blocking is preferred. The added strength and rigidity of the panel allows for more sturdy fences and enclosures.

Opus30 panels are easily fabricated to any size, shape, or configuration to meet virtually any architectural application.

- Superior security
- Attractive rectangular pattern
- Unique design opportunities
- Functional and cost effective
- 1 5/8" x 5 3/16" rectangular grid
- Available with all framing & post options
- Wide variety of finishes and colors

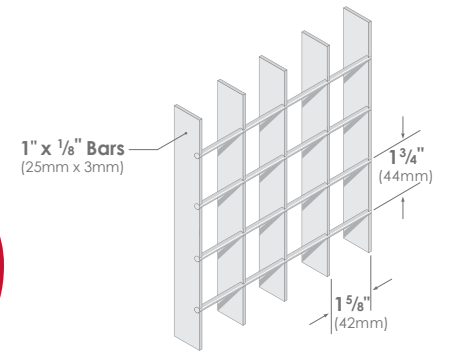
WEIGHT PER SQUARE FOOT	
3mm Main Bar	3.1#/sq. ft.
2mm Main Bar	2.2#/sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus30





OPUS40



The extremely rigid characteristics of the popular Opus40 design provide a closely spaced nominal square pattern with increased strength and security. This product is ideally suited for shorter fences and infill panel requirements.

Extremely strong and able to withstand increased lateral loads, Opus40 simultaneously provides durability and versatility.

- Close bar spacings provide enhanced security
- Nominally square pattern
- Appealing visual aspect
- Prominent physical barrier
- 1 5/8" x 1 3/4" "non climbable" grid
- Available with all framing & post options
- Wide variety of finishes and colors

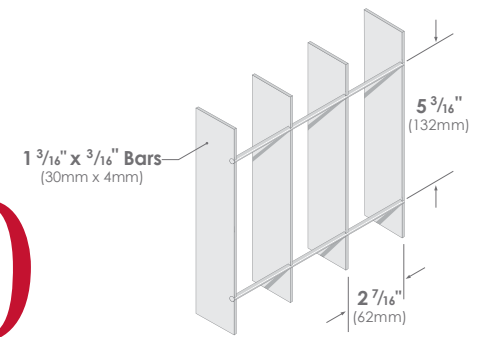
WEIGHT PER SQUARE FOOT	
3mm Main Bar	3.3#/sq. ft.
2mm Main Bar	2.4#/sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus40





OPUS50



Designed to provide increased depth and strength of the main elements, Opus50 incorporates a deeper bar section while maintaining the same timeless spacing pattern of the most popular Opus10 design.

The increased depth and load carrying capacity of Opus50 make it an excellent choice for fencing and security applications.

- Durable bearing bars and cross bars
- Popular rectangular pattern
- Superior security
- Prominent physical barrier
- 2 7/16" x 5 3/16" grid
- Available with all framing & post options
- Wide variety of finishes and colors

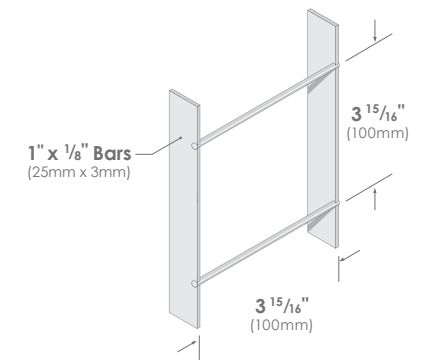
WEIGHT PER SQUARE FOOT	
4mm Main Bar	3.6#/sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus50





OPUS60



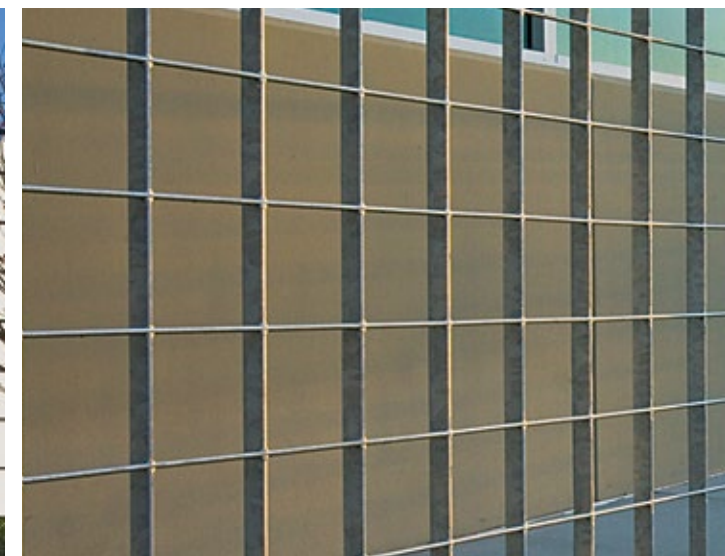
The timeless square pattern of Opus60 complies with IBC spacing requirements for infill panels of all types. The open matrix minimizes visual obstruction to attractively maintain security and code compliance.

Opus60 panels are lightweight and easily fabricated with contours or angles to complement or contrast the supporting structure.

- 3 15/16" square pattern
- IBC code compliant
- Limited visual impact
- Economical lightweight design
- Available with all framing & post options
- Wide variety of finishes and colors

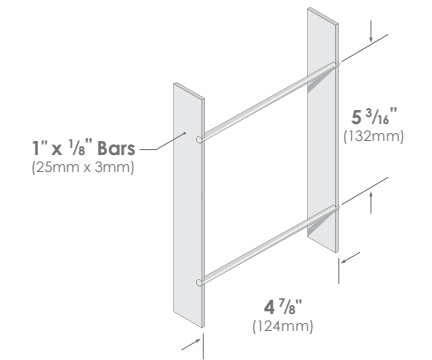
WEIGHT PER SQUARE FOOT	
3mm Main Bar	1.2 #/sq. ft.
2mm Main Bar	1.0 #/sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus60





OPUS70



Light and airy, the Opus70 design provides for a modular perimeter fence that blends into the background while providing a permanent physical barrier. Extra wide spacing reduces visual impact, but does not meet IBC infill requirements with regards to opening size.

Opus70 is ideal for architectural accents to complete the overall building design.

- 4 7/8" x 5 3/16" rectangular pattern
- Reduced visual impact
- Economical lightweight design
- Popular for trellis applications
- Available with all framing & post options
- Wide variety of finishes and colors

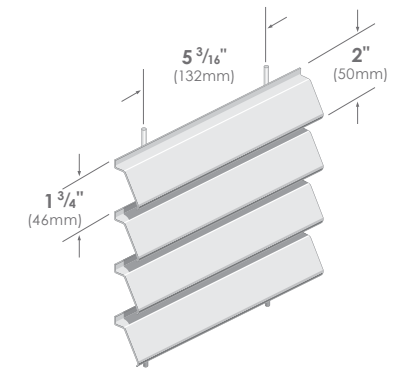
WEIGHT PER SQUARE FOOT	
3mm Main Bar	1.3# /sq. ft.
2mm Main Bar	1.0# /sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus70





OPUS80



Louvered main elements make Opus80 the ideal panel for applications that require ventilation and minimal visual access. Opus80 provides a distinct look, with 80% visual concealment and 45% free airflow.

Opus80 allows for increased free passage of air and light, while at the same time concealing unsightly but necessary amenities such as rooftop air conditioning equipment and ground level electrical transformers.

- Rigid louvered panels
- Attractive and discreet visual obstruction
- Superior ventilation
- Install vertically or horizontally
- Popular for sunscreens
- Available with all framing & post options
- Wide variety of finishes and colors

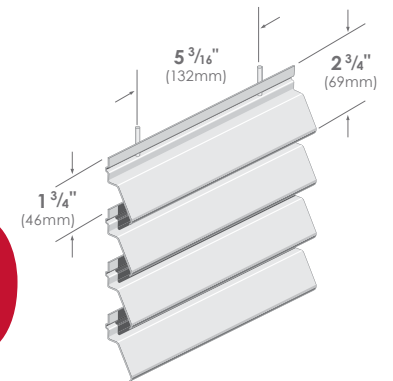
WEIGHT PER SQUARE FOOT	
1/16" Louver	3.0 #/sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus80





OPUS100



Concealment and ventilation are merged with the Opus100 design. This elegant panel provides 100% concealment and 35% free air flow by combining louvered bars and permanently welded round cross bars hidden behind the panel.

A very economical and practical solution for screening and cladding applications, Opus100 is perfect for concealing mechanical equipment and waste enclosures while allowing airflow.

- Rigid louvered panels
- Maximum security
- Excellent ventilation
- Install vertically or horizontally
- Popular for parking garage applications
- Available with all framing & post options
- Wide variety of finishes and colors

WEIGHT PER SQUARE FOOT	
1/16" Louver	4.3 #/sq. ft.

PDF + DXF product details available online at CodaArchitectural.com/opus100





OPUSGATES

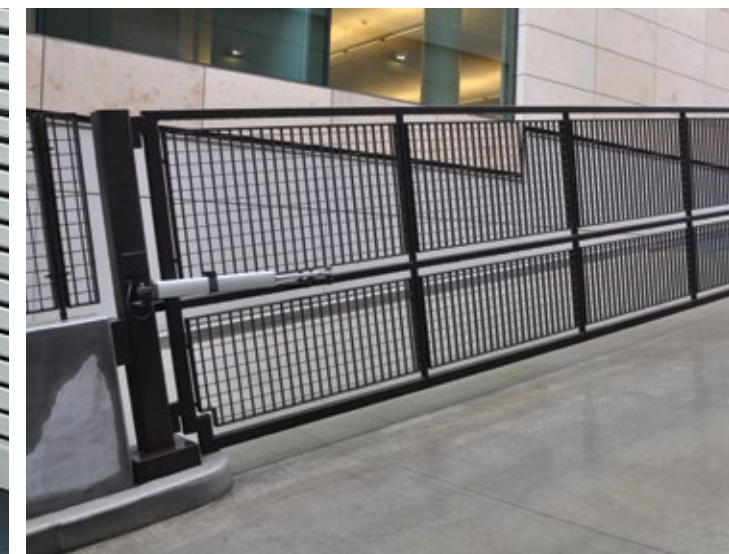
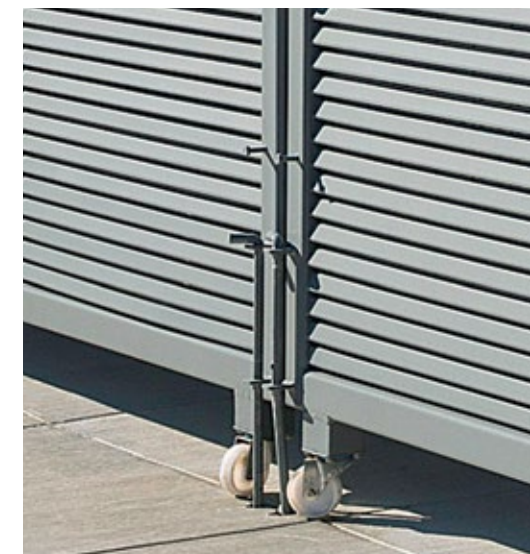
Coda Architectural is pleased to offer a complete array of fabricated OpusGates. Utilizing the full breadth of Opus products as the centerpiece of the design, gates can be fabricated to meet a wide variety of needs.

Designs may be based upon any Opus square or rectangular pattern and fabricated with contours and diagonals to complement adjacent architecture. These products are only limited by the creativity of the specifier.

Visit www.CodaArchitectural.com for standard designs presented in downloadable formats.

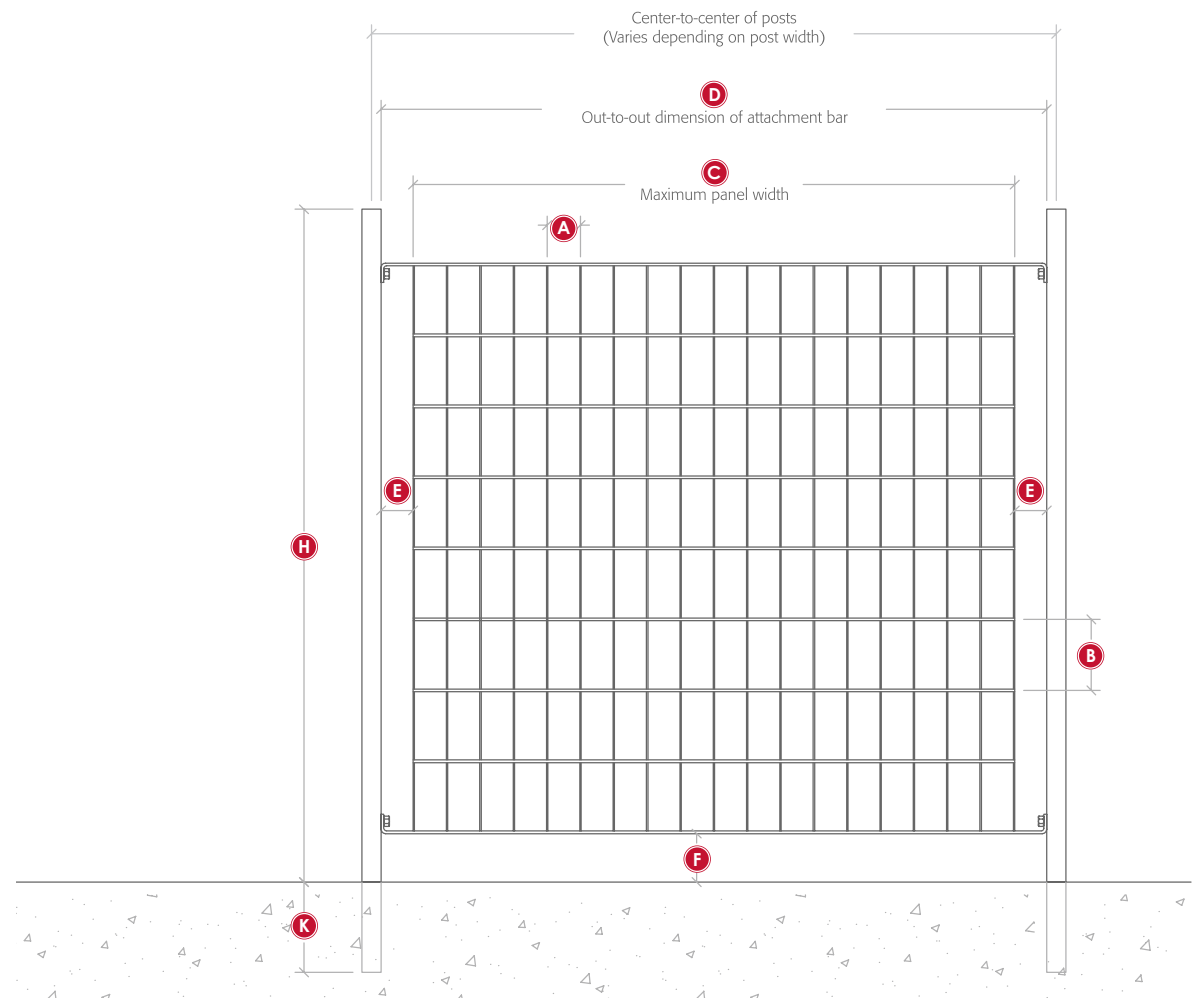
- Personal and vehicular access gates
- Hinged or rolling opening mechanisms
- Security with locking devices and panic bars
- Designs for automated opening
- Square and rectangular designs for visual symmetry
- Wide variety of finishes and colors

PDF + DXF product details available online at CodaArchitectural.com/opusgates



APPLICATION

Utilizing the table below will provide for the most efficient and cost-effective material utilization and placement of posts for fence and infill panels.



		A	B	C	D	E	F
	WEIGHT PER SQ. FT. (3MM)	CENTER-TO-CENTER MAIN BARS	CENTER-TO-CENTER CROSS BARS	MAXIMUM PANEL WIDTH	OUT-TO-OUT ATTACHMENT BARS	SUGGESTED GAP BAR TO POST	SUGGESTED GAP GROUND TO PANEL
Opus10	2.2#	27 ¹ / ₁₆ " 62mm	53 ³ / ₁₆ " 132mm	73 ³ / ₈ " 1863mm	78" 1981mm	2 ⁵ / ₁₆ " 59mm	37 ⁷ / ₈ " 98mm
Opus20	2.5#	27 ¹ / ₁₆ " 62mm	2 ⁵ / ₈ " 66mm	73 ³ / ₈ " 1863mm	78" 1981mm	2 ⁵ / ₁₆ " 59mm	37 ⁷ / ₈ " 98mm
Opus30	3.1#	1 ⁵ / ₈ " 42mm	53 ³ / ₁₆ " 132mm	58" 1472mm	61" 1550mm	1 ¹ / ₂ " 38mm	37 ⁷ / ₈ " 98mm
Opus40	3.3#	1 ⁵ / ₈ " 42mm	1 ³ / ₄ " 44mm	58" 1472mm	61" 1550mm	1 ¹ / ₂ " 38mm	37 ⁷ / ₈ " 98mm
Opus50	3.6#	27 ¹ / ₁₆ " 62mm	53 ³ / ₁₆ " 132mm	73 ³ / ₈ " 1863mm	78" 1981mm	2 ⁵ / ₁₆ " 59mm	37 ⁷ / ₈ " 98mm
Opus60	1.2#	3 ¹⁵ / ₁₆ " 100mm	3 ¹⁵ / ₁₆ " 100mm	59" 1498mm	66 ¹ / ₂ " 1689mm	3 ³ / ₄ " 95mm	37 ⁷ / ₈ " 98mm
Opus70	1.3#	4 ⁷ / ₈ " 124mm	53 ³ / ₁₆ " 132mm	73 ³ / ₈ " 1863mm	78" 1981mm	2 ⁵ / ₁₆ " 59mm	37 ⁷ / ₈ " 98mm

	SUGGESTED FENCE POST DEPTHS					
H POST HEIGHT	36" 914mm	48" 1219mm	60" 1524mm	72" 1829mm	96" 2438mm	
K POST DEPTH	24" 610mm	27" 686mm	30" 762mm	33" 838mm	39" 990mm	


All "Standard" U.S. dimensions are nominal metric conversions.

ACCENTS


A variety of fence posts, cap rails, and post caps are available to complete designs with Coda Architectural products. Accents shown here represent commonly requested options. Additional selections available upon request.

POST OPTIONS


Coda Architectural fence and infill panels can be supported by a wide variety of posts. Popular options are shown here.




P1
FLAT BAR
Simple, clean lines available in a variety of sizes.



P2
ROUND
Pipe and tubing may be easily fabricated with a variety of caps.




P3
SQUARE
Various gauges of square tubing are available to meet specific load capacities.




P4
RECTANGULAR
Rectangular tubing offers an appealing architectural effect.

RAIL OPTIONS


Various cap rails are available to be welded to the edge of the finished panel. Rails may be bolted or welded to supporting structures to facilitate efficient field assembly.




R1
TRIM BAND
Flat bar welded to end of panel often formed and punched for attachment.



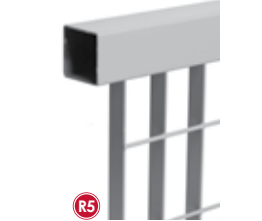
R2
PLATE BAND
Various widths of oversized flat bar may be welded to end of panel.



R3
U-EDGE
Steel plate formed and welded to the edge of the panel.




R4
MOLD CAP
Ornamental, mill rolled steel bar with a distinctive design welded to panel edge.




R5
TUBE FRAME
Tubes of various sizes may be used to complement adjacent architecture.

CAP OPTIONS


Available for various shaped posts, caps provide a finishing touch. Post caps shown here are only a small sample of what is available from Coda Architectural.




C1
FLUSH
Steel plate welded to any round, square, or rectangular post.




C2
DOMED
Rounded cap available for round posts of various sizes.



C3
PRESSED
Classic look created with a round, square or rectangular formed cap.



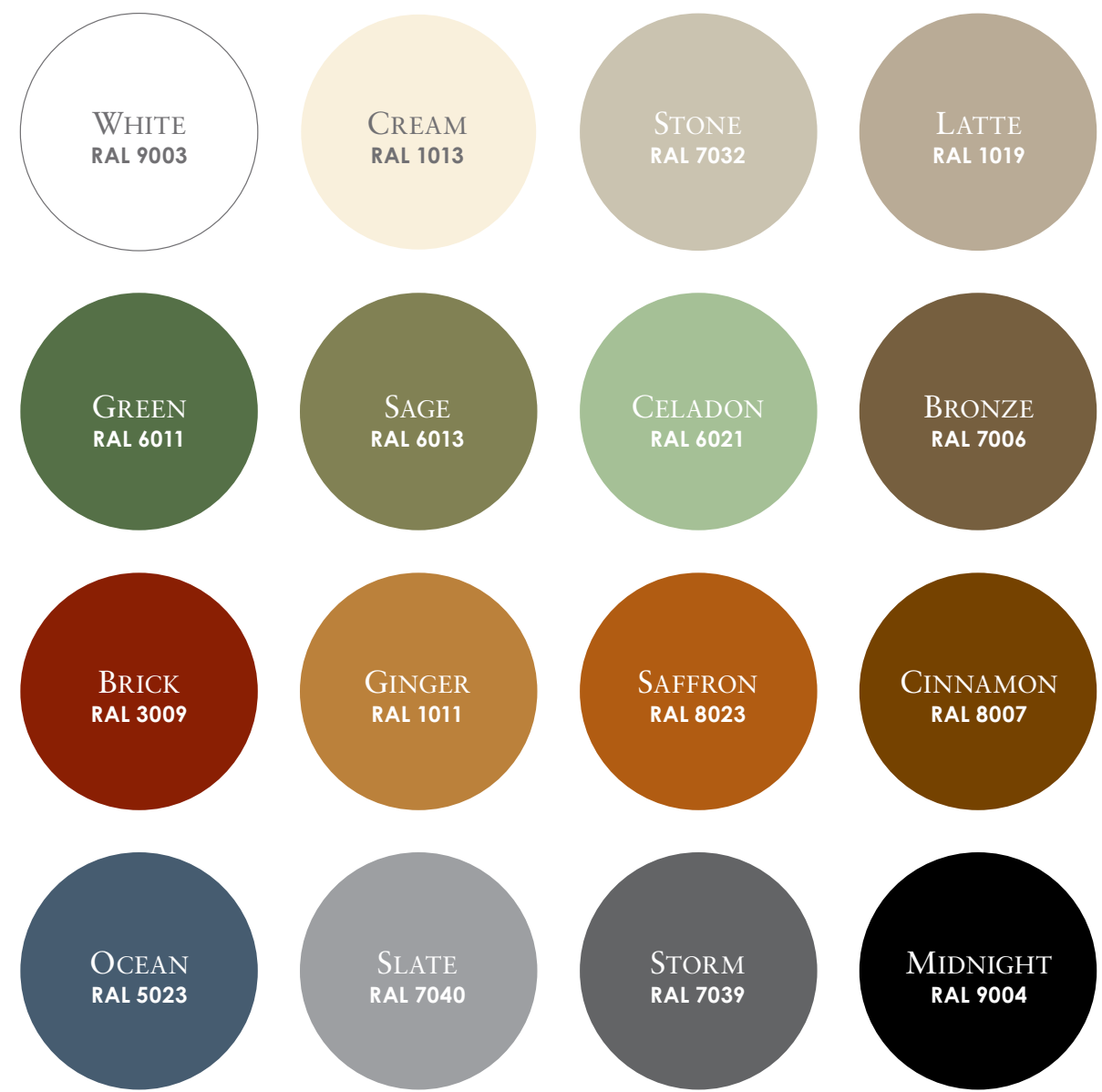
C4
HOLLOW BALL
Bold accent for round or square posts available in 1-1/2" to 12" diameter.



C5
NEWEL BALL
Ornate design to top square or round posts.

COLORS

Selection of the proper complementary color for architectural accents increases the overall appeal of any project. The colors shown have been selected to illustrate current contemporary color schemes, but represent only a small range of available colors.



Custom powder coat colors are available upon request. The colors shown here are for representational purposes only. Actual colors may vary slightly. Please refer to a RAL color chart for a full range of colors, or contact Grating Pacific for further information.

FINISHES

There are six standard finishes available on all Coda Architectural products – from premium to economical. If you need assistance selecting the finish that is right for your application, please contact your local representative.

METALLIZED AND POWDER COAT FINISH

"Metallized-Powder" is a premium coating offering superior corrosion resistance when aesthetics are of the utmost importance. During this process, the base material is cleaned by abrasive blasting, sprayed with molten zinc-aluminum and coated with TGIC powder coat in any RAL color. The process creates a galvanic action that penetrates the surface of the metal and impedes rusting even if the powder and zinc surfaces are compromised. The TGIC coat provides desired color and an additional layer of corrosion resistance. This compound finish provides rust prevention far exceeding the sum of its parts.

GALVANIZED AND POWDER COAT FINISH

"Galvanized-Powder" is frequently specified for applications where superior corrosion resistance and the application of color are required. Finished panels are hot dip galvanized to provide a 3-5 mil coating of zinc per ASTM A-123, and then etched to accept TGIC polyester powder coating available in a variety of RAL colors. This finish is recommended for outdoor applications and considered particularly effective near coastal waters. It should be noted that the initial galvanized coating randomly exhibits rough texture that may be accentuated by the application of the finish powder coating.

ZINC PLATED AND POWDER COAT FINISH

"Zinc-Powder" finish provides excellent corrosion resistance and allows for color application. The primary plated finish provides corrosion resistance by coating the fabricated panel with a smooth, 1-2 mil protective layer of zinc conforming to ASTM B-633. The panels are then etched to accept a finish application of TGIC polyester powder coating available in the full range of RAL color options. This finish is well suited for interior or inland exterior applications.

POWDER COAT PRIMER AND POWDER COAT FINISH

"Powder-Powder" finish is a superior architectural coating that provides a distinct finished appearance and corrosion resistance. Fabricated panels are first treated by abrasive blasting to provide a clean, uniform surface. A corrosion resistant epoxy prime powder coat is applied and cured by oven-baking. The panel is then coated with a TGIC polyester powder finish coat which provides ultraviolet protection and a smooth surface appearance. The finish coating of 7-10 mils overall thickness is an excellent choice for both exterior and interior applications where appearance of the surface must meet demanding architectural standards.

GALVANIZED FINISH

"Galvanized" panels provide substantial corrosion resistance for grillework exposed to atmospheric conditions. Commonly specified as an economical finish for outdoor applications, panels receive a 3-5 mil coating of zinc in accordance with ASTM A-123 after fabrication. It should be noted that hot dip galvanizing is not considered an architectural coating. Galvanized products may randomly exhibit rough texture on the finished surface, dissimilar color characteristics, and will oxidize when exposed to the elements.

PRIMER COAT FINISH

"Primer" finished panels provide limited corrosion resistance. This finish involves applying one of a wide variety of primer paint coatings applied to the fabricated panels. Typically specified for applications where on-site finish coatings will be applied, it is important to specify primers that are compatible with the finish coat that will be applied.