Guide Specifications in CSI Format Tel: 800-807-7341

Chemetal is one of the world's largest collections of metal designs and laminates for interior spaces. We make our materials by hand and machine in the USA; deeply brushing, aging and adding patina. Our designs are unique works of art that are created with manufacturing consistency to ensure repeatability. We also source some of the best metal designs from all over the world.

Our efforts are backed with exceptional sales and customer service departments that care about getting it right. Chemetal is family-owned and has been in business for over 50 years. Our materials are sold domestically and worldwide through an international distributor network.

Chemetal is a relatively easy and affordable way for designers to bring the energetic look of real metal into their projects. Because Chemetal uses thinner, softer metals it can generally be fabricated with woodworking equipment and laid up on a wood substrate.

Chemetal is ideal for vertical and light duty horizontal interior use. It is regularly designed into commercial and residential spaces, including retail, corporate, restaurant, casinos, hospitality, furniture, and other projects. It is ideal for wall panels, accents, column wraps, counter fronts, and more. Chemetal is sold in standard sheet sizes, and Chemetal can create custom cut-to-size pieces and strips with a tape (PSA) backer as well. Additionally, many Chemetal solid metal designs can be bent to form leg wraps, corners and other formed pieces. Chemetal contributes to LEED as a Regional Material and with a recycled content up to 85%, depending on material. See website for more info.

Chemetal sells several types of metal: anodized aluminums (900 series), HPL metals (200 and 700 Series), printed architectural metals (600 Series), aged or patinaed brass, copper and aluminums (300 Series), and deeply brushed aluminums (400 and 500 Series). We can add a low pressure backer to any solid metal design.

For more technical info, or product samples and questions, call or visit - 800 807-7341 chemetal.com.

Note to Specifier: This section is provided in CSI Masterformat for use in project specifications. Delete types not required and edit to your project requirements before issue.

SECTION 097800

METAL DESIGNS AND LAMINATES

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

- A. Work Included: Metal designs and laminates for interior spaces.
- B. Related Work: The following items are not included in this Section and are specified under the designated Sections:
 - 1. Section 062000 Finish Carpentry.
 - 2. Section 064000 Architectural Woodwork.

1.2 SUBMITTALS

- A. Product Data: Submit for each product indicating materials, dimensions, profiles, textures and colors. Include installation instructions.
- B. USGBC LEED Submittals: Submit manufacturer's documentation for products which contribute to LEED Credits for the following:

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- 1. Pre-consumer and post-consumer recycled content.
- 2. Regional materials.
- 3. Low-emitting adhesives and sealants.
- C. Verification Samples: Submit two representative samples of specified products.

1.3 QUALITY ASSURANCE

- A. Installer: Minimum 2 years installing similar products.
- B. Mock-Ups: Build mock-ups to demonstrate esthetic effects and workmanship. Accepted mock-ups may remain in place.
- C. Fire Performance for Metal Materials: ASTM E84 Class A, flame spread index of 0, smoke developed index of 0.
- 1.4 DELIVERY, STORAGE, AND HANDLING
 - A. Delivery: Deliver materials in unopened, undamaged containers with identification labels intact.
 - B. Storage and Handling: Comply with manufacturer's recommendations for storage and handling. Store flat and not on edge. Protect from weather damage.

1.5 GENERAL WARRANTY

A. Manufacturer's Warranty: In the production of metal designs and laminates some surface irregularities and color and pattern variations will appear. We recommend that you inspect the material before cutting, laminating or using. If any material proves to be defective, Chemetal will be liable for the cost of that material only. No other warranty is expressed or implied.

PART 2 - PRODUCTS

2.1	METAL DESIGNS AND LAMINATES
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A.	Basis-of-Design: Chemetal, 39 O'Neill Street, Easthampton, MA 01027, tel. 800 807-7341,
	email sales@chemetal.com

	email <u>sales@cnemetal.com</u>			
B.	Chemetal 150 Series, Magnetic and/or Dry Erase:			
	1. 2. 3. 4.	Thickness:		
C.	Chemetal 200 Series - Design Collection:			
	1. 2. 3. 4.	Thickness:		
D.	Chem	etal 300 Series - Metal Images:		
	1. 2. 3.	Chemetal Number: Chemetal Name: Thickness:		

	4.	Sheet Size:		
E.	Chemetal 400 Series - Vortex Collection:			
	2. 3.	Chemetal Number: Chemetal Name: Thickness: Sheet Size:		
F.	Chem	etal 500 Series - Ultrabrushed Aluminum:		
	1. 2. 3. 4.	Chemetal Number: Chemetal Name: Thickness: Sheet Size:		
G.	Chem	Chemetal 600 Series - Architectural Metals:		
	2. 3.	Chemetal Number: Chemetal Name: Thickness: Sheet Size:		
H. Chemetal 700 Series - HPL C		etal 700 Series - HPL Classics:		
	2.	Chemetal Number: Chemetal Name: Thickness: Sheet Size:		
l.	Chemetal 800 Series - Traditional Classics:			
		Chemetal Number: Chemetal Name: Thickness: Sheet Size:		
J. Chemetal		etal 900 Series - Anodized Classics:		
	1. 2. 3. 4.	Chemetal Number: Chemetal Name: Thickness: Sheet Size:		
K.	Chemetal 900 Series, Dome Triangle:			
	1. 2. 3. 4.	Chemetal Number: Chemetal Name: Thickness: Sheet Size:		
L.	Chemetal Tinted Series:			
	1. 2. 3. 4.	Chemetal Number: Chemetal Name: Thickness: Sheet Size:		

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M. Accessory Materials:

- 1. Edgebanding as acceptable to manufacturer.
- 2. Adhesives as acceptable to manufacturer.

N. Substrates and Balancing Sheets:

- 1. Chemetal must be laminated to MDF, HDF, better quality particleboard or very good quality plywood (Baltic Birch, for example).
- Do not apply directly to gypsum board (sheet rock), concrete or poor quality particle board.
- 3. Balancing sheets of similar thickness and material are recommended for balanced construction to prevent warping.
- O. Fabrication: Comply with manufacturer's recommendations for fabrication including the following:
 - 1. Condition materials to ambient conditions of the surrounding before use. Provide for circulation of air around the components.
 - 2. Conditioning temperature shall be approximately 75 degrees F (24 degrees C), at 45 to 55 percent relative humidity.
 - 3. Use saws, routers and belt sanders in accordance with manufacturer's recommendations.
 - 4. Remove protective mask as soon as application is complete.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine existing conditions to determine that they are suitable for installation. Proceed with installation only when unsatisfactory conditions have been corrected. Inspect sheet by peeling back corner of mask prior to fabrication.

3.2 INSTALLATION

- A. Pre-condition materials for a period of 5 to 7 days in the environment that they will be fabricated and installed in. Acclimatize for 48 hours as recommended by manufacturer. Clean substrates of projections and substances detrimental to application.
- B. Install units in accordance with manufacturer's instructions, approved submittals, and in proper relationship to adjacent construction.
 - 1. Some materials are supplied with directional arrows for ease of installation and maintaining a uniform appearance. If the sheet you purchased has an arrow, make sure that when the product is installed the arrows are facing in the same direction.
 - 2. Remove protective mask after installation.

3.3 CLEANING

A. Clean surfaces using materials acceptable to manufacturer.

END OF SECTION

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