

CMA Guideline Specification  
Section 098413  
Fixed Sound-Absorptive Panels  
CMA Acoustical Wall Panels & Baffle Systems

PART 1- General

1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Contract, Including General and Supplementary Conditions and Division 1 Specification Sections apply to this Section.

1.2 SUMMARY

- A. This section includes encapsulated wall panels and baffle systems shown on the drawing.
- B. Related Sections include the following: (list applicable sections).

1.3 SUBMITTALS

- A. Manufacturer's Literature and Data:
  - 1. Product Data: Submit manufacturer's technical data and brochures for each type of specified system required. All products furnished shall have a flame spread classification of 0-25 for a Class A rating in accordance with ASTM E-84.
- B. Shop Drawings:
  - 1. Shop drawings shall show dimensions, sizes, thickness, finishes, accessories, attachments, and mounting to adjoining work.
- C. Samples:
  - 1. Samples shall include 12" x 8" piece of each type of encapsulated material and covering as specified and accessories.

# CMA Acoustical Wall Panel & Baffle Systems

- D. Certifications:
  - 1. Submit certification from manufacturer of wall panels and baffles attesting that products comply with specified requirements including finish as specified.
- E. Qualification Data:
  - 1. Firms specified in "Quality Assurance" Article must demonstrate their capabilities and experience by including lists of completed projects names and addresses, names and addresses of architects and owners, and other information specified.

## 1.4 QUALITY ASSURANCE

- A. Manufacturer: Firm with manufacturing and delivery capacity required for the project, shall have successfully completed at least ten projects within the past five years, utilizing systems, materials and techniques as herein specified. Fabricator must own and operate its own manufacturing facilities for all components. Systems consisting of components from a variety of manufacturers will not be considered or accepted.
- B. Fabricator must own and operate its own manufacturing facilities for all components. Systems consisting of components from a variety of manufacturers will not be considered or accepted.

## 1.5 DELIVERY, STORAGE & HANDLING

All Material shall be protected during fabrication, shipment, site storage and erection to prevent damage to the finished work from other trades. Store panels or baffles inside a well-ventilated area, away from uncured concrete and masonry, and protected from the weather, moisture, soiling, abrasion, extreme temperatures, and humidity.

# CMA Acoustical Wall Panel & Baffle Systems

## PART 2 – Products

### 2.1 MANUFACTURER

A. CMA Acoustical Wall Panels & Baffle Systems shall be manufactured by CMA, Inc., Shorewood, IL., 60431 (866) 730-9750.

B. The listed manufacturer shall not be construed as closing specifications to other prospective manufacturers, but rather as establishing a level of quality in a metal system. Other systems may be submitted for approval, as provided for in the specifications at least 10 working days prior to submission of bids. Companies desiring to submit a proposal shall submit all descriptive information of the system proposed including photographs and shop drawings of at least 3 projects in detail and scope.

### 2.2 SYSTEMS DESCRIPTION

A. Wall Panel & Baffle Panels shall be a CMA Acoustical Systems. All panels, trim and accessories shall be provided as a complete package of this work.

### 2.3 MATERIALS

A. Acoustical Systems: (choose one or both)

1. Baffle Systems
2. Wall Panels

B. Product size (2x2, 2x4, 4x4, 4x8, or non standard sizes and shapes)

C. Fiberglass Core Thickness (1", 1.5", 2")

D. Fiberglass Core Density (1.5# to 7#)

E. Mounting Accessories (for Baffle Application) includes, Cable Crimp Sleeves, Turnbuckles, Wire Hanger Clips, Beam Clamps, 7x7 Aircraft Cable, and Nylon Tie Wrap.

# CMA Acoustical Wall Panel & Baffle Systems

## F. Acoustical Qualities

1. Finished Acoustical Wall Panels as specified shall provide a NRC (Noise Reduction Coefficient) of 0.65 to 1.15. Baffle Products shall provide an acoustical performance of 12.37 Sabins/baffle at 500 Hz for standard 2' 4' baffle.
2. All material furnished shall be tested in accord with ASTM C-423 for Sound Absorption. Test results shall be furnished for mounting selected.

## 2.4 ENCAPSULATED FACINGS

- A. All facings furnished with acoustical cores shall be rated non-combustible, class A in accordance with ASTM E-84.
- B. Facing shall be: (choose one or more):
  1. Polyvinyl Chloride (PVC), 4.0 mil.
  2. Polyvinyl Fluoride (PVF) Dupont Tedlar, Cleanroom, interior or exterior application – black or white only.
  3. Sailcloth Ripstop Nylon, 3.5 – 4.0 mil
- C. Color: To be selected by Architect from standard range of product colors available.

## PART 3-EXECUTION

### 3.1 EXAMINATION

- A. Examine building structure to receive acoustical system for irregularities that would affect quality and execution of work.
- B. Tolerance:
  1. Install ceiling systems with maximum permissible deflection of L/360 of span maximum surface deviation of 1/8" in 4'-0" (no load applied) ASTM635-92.

# CMA Acoustical Wall Panel & Baffle Systems

## 3.2 INSTALLATION

- A. General: Comply with manufacturer's printed instructions, governing regulations for Seismic Codes, and with the Ceiling Interior Systems Construction Assoc. (CISCA) standards applicable to work.
- B. Space Enclosure: Do not install any work until space is enclosed and weather proofed, wet-work in space is completed and nominally dry, work above ceilings is complete, and temperature and humidity is continuously maintained at values near those of final occupancy.
- C. All work shall be performed at times as directed by the owner/general contractor, and in compliance with all local and OSHA safety regulations that may apply. All installers shall be full time employees of the installing contractor familiar and trained with all regulations and techniques to make sure a safely installed finished product.

## 3.3 CLEANING

- A. Clean all surfaces following installation.
- B. Replace units having tears, abrasions, or other defects, with unblemished panels, or suspension.
- C. Maintain per manufacturer's finish maintenance instructions.

## 3.4 PROTECTION

Protection of CMA, Inc. Acoustical Systems from damages by other trades after installation to be provided by general contractor.

# CMA Guideline Specifications

Note to Specifier:

The enclosed Guideline Specifications are written in AIA Masterspec format for you to tailor to your particular project. They are available in CD Rom from your CMA Sales Representative, from CMA direct, and are available on our Website at [www.cmainc.net](http://www.cmainc.net).

CMA, Systems are finished, decorative, functional products. They should be specified in the new CSI format in section 098413, Fixed Sound-Absorptive Panels or in Section 098436, Sound-Absorbing Ceiling Units.

In the specification of an acoustical system such as CMA, there are many variables which effect performance and cost. These include thickness and density of the core, and the facing for encapsulation of the core. Acoustical performance is also affected by placement in the area to be treated.

Complete Systems Specifications follow for:

- Quiet Coordinates
- Baffle & Wall Panel Systems
- Banner Systems

Other CMA Products which generally are a part of another specification such as the acoustical element behind metal wall panels include:

- Encapsulated Pads & Rolls
- Fiberglass Ceiling Panels
- Hygienic Ceiling & Walls

Your CMA Sales Representative is uniquely qualified and trained to be of assistance for any particular project and application.