

Build Resiliently



CMACN

Concrete Masonry Association of California and Nevada

Building Resilience Together Through the USRC Industry Partner Committee

Welcome

The Concrete Masonry Association of California and Nevada (CMACN) is a non-profit professional trade association that was established in 1977 and is committed to strengthening the masonry industry in California and Nevada.

**“ S m a r t
d e s i g n
b e g i n s
w i t h
c o n c r e t e
m a s o n r y . ”**

*Cover Photo:
2019 Honor Award, Residential Design
Broadway
Telemachus Studio
Tom Bonner Photography*

*Inside Photo:
2017 Grand Award, Education Design
Sage Creek High School
RNT Architects, Inc.*

Table of Contents

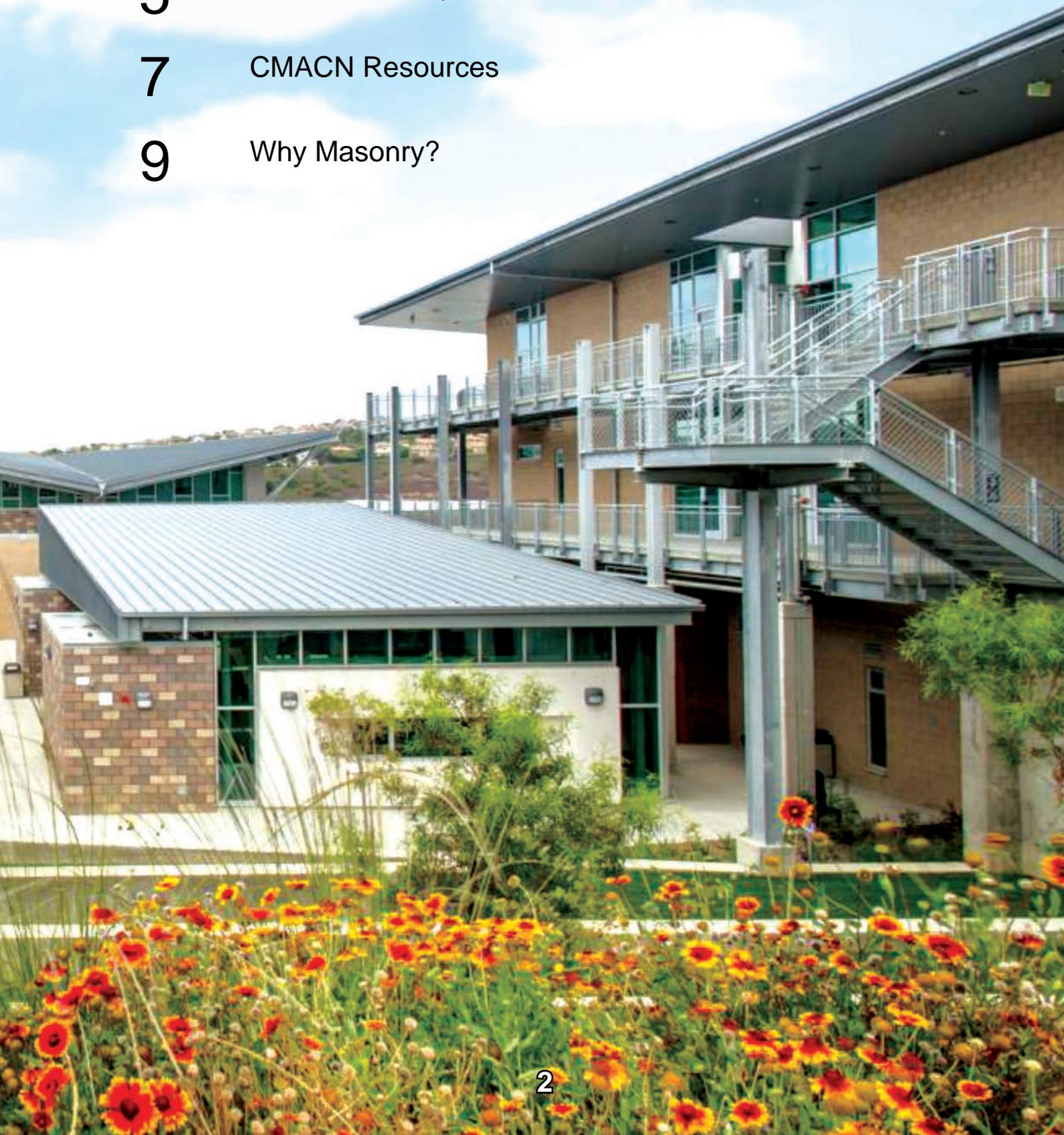
3 About CMACN
Association Members

4 Association Services

5 Association Objectives

7 CMACN Resources

9 Why Masonry?





About CMACN

CMACN has been protecting and advancing the concrete masonry industry for over 40 years, and is a professional association that focuses in California and Nevada to provide information about the industry, its products, and the benefits of concrete masonry construction. To facilitate up-to-date information gathering and dissemination, CMACN develops, monitors, and coordinates test programs, research projects, publication of technical and educational data, specification updates, and recommendations for improved product use.

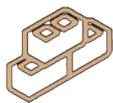


“CMACN serves as the leading concrete masonry data clearinghouse in the western states.”

Association Members

CMACN’s members are comprised of concrete masonry industry professionals and their associated partners. There are three member types:

Producer Member



An individual, partnership, or corporation which is actively engaged in the manufacture and sale of concrete masonry units and subscribes to the objectives and standards approved by the Association.

Associate Member



An individual, partnership, or corporation furnishing any material, machinery, or product in or for the manufacture of concrete masonry units, or used in the transportation or storage of concrete masonry units, but not actively engaged in the manufacture of concrete masonry units.

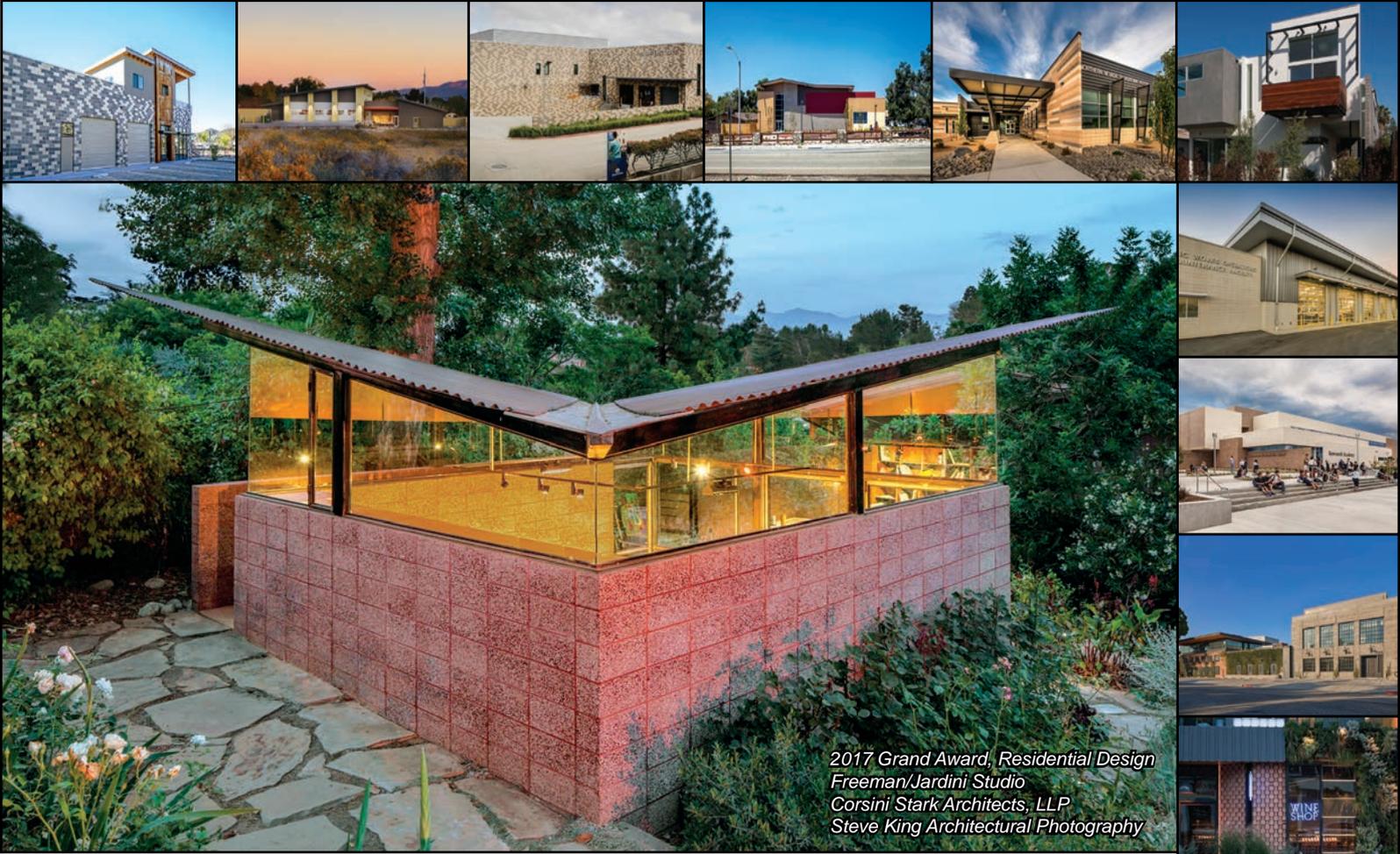
Contributing Member



An individual, partnership, or corporation that contributes monetarily to the Association for a specific program.

Visit www.cmacn.org for a complete list of CMACN Members.

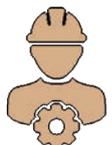




2017 Grand Award, Residential Design
 Freeman/Jardini Studio
 Corsini Stark Architects, LLP
 Steve King Architectural Photography

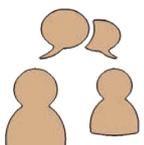
Association Services

CMACN's many services support the Association's objectives and are offered at little to no cost.



Technical Information

Technical industry brochures and insightful websites



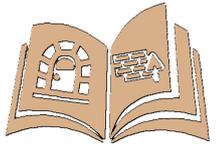
Industry Participation

Industry partnerships, collaborations, and biennial Design Awards Programs



Member Representation

Collaboration across industry lines to solve common problems within the concrete masonry industry



Publications

Technical, code, and specification publications



Scholarships

Undergraduate and Graduate level scholarships for the study of concrete masonry



College Partnerships

Funding for college programs and teaching materials for Professors





Association Objectives



Provide technical information on concrete masonry for design professionals, inspectors, and testing agencies

CMACN takes pride in providing the latest concrete masonry technical information for design professional, inspectors, and testing agencies alike. The Association addresses specific construction issues such as structural, earthquake, and energy consumption design. To ensure engineers have easy access to the latest building codes, CMACN distributes "Masonry Chronicles", a free publication, to over 5,000 engineers in California and Nevada, and offers a Concrete Masonry Design Tool (CMD) in our Bookstore. CMACN's Bookstore also offers a plethora of knowledge from exclusive CMACN publications, to concrete masonry publications from associated industry organizations, to publications on masonry codes and specifications, technical publications, and more. Likewise, CMACN welcomes calls and emails with technical inquiries about concrete masonry use in existing structures, incomplete structures, and design stages.



Protect and advance the interests of the concrete masonry industry

CMACN believes in protecting and advancing the interests of the concrete masonry industry. To this extent, CMACN engages in many national collaborations across industry lines. The Association also believes great architecture and engineering come from professionals with strong educational backgrounds. Firm knowledge of concrete masonry benefits, uses, and construction make it a relevant building material for those entering the industry. To this extent, CMACN promotes the study of concrete masonry as a subject in architecture and engineering by providing partnerships and funding to college programs, offering a free "Class in a Box" to college Professors, and awarding annual graduate and undergraduate scholarships for the study of concrete masonry in the fields of architecture and engineering.



2017 Honor Award, Education Design
Eagle Valley Middle School Expansion
Van Woert Bigotti Architects
Vance Fox Photography





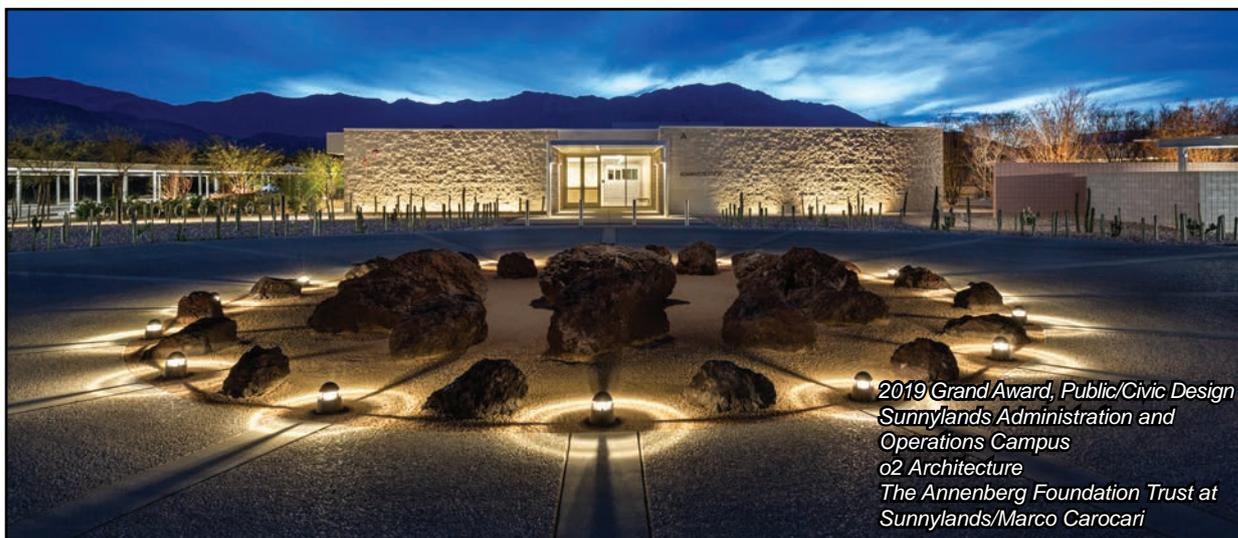
Develop new and existing markets for concrete masonry products

CMACN's voice in the California and Nevada concrete masonry industry intends to help increase concrete masonry use and Members' visibility to potential customers, therefore aiding business development. Along with participation in industry Boards, Collaborations, and other groups, CMACN aims to further develop a new and existing market for concrete masonry products through showcasing sustainable concrete masonry structures built in California and Nevada. CMACN partners with AIACA to host a biennial Design Awards Competition and Awards Program to recognize firms utilizing concrete masonry in exemplary ways. Likewise, the Association produces "CMU Profiles in Architecture", a free quarterly pictorial featuring concrete masonry buildings recently built in California and Nevada. This publication is distributed to over 17,000 architects, CMACN Members, and design professionals, and offers attractive photography and Architects' commentaries to inform readers about the vitality of masonry to their projects.



Coordinate Members' efforts in solving common problems within the concrete masonry industry

CMACN is proud to coordinate Members' efforts in solving common problems within the concrete masonry industry. To increase recognition of the concrete masonry industry, and therefore Members' concerns, CMACN represents our Members in related organizations nationally. These collaborations across industry lines help increase members' visibility and voices, ensuring common problems may be addressed and solved through mutual goals and practices adopted throughout these industries. Likewise, the CMACN website offers downloadable Design Tool Reference Publications, Industry Flip books, associated industry links, and more as a comprehensive source of free and easily accessible references to address common problems within the concrete masonry industry.

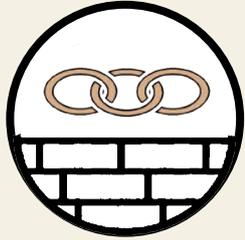


*2019 Grand Award, Public/Civic Design
Sunnylands Administration and
Operations Campus
o2 Architecture
The Annenberg Foundation Trust at
Sunnylands/Marco Carocari*



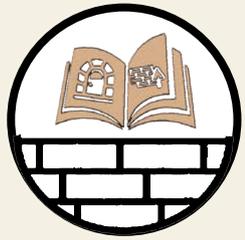


CMACN Resources



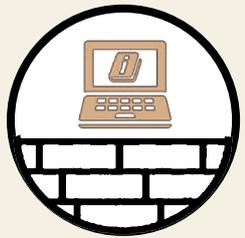
Associated Industry Links

CMACN's website offers an accumulation of industry websites and contacts for concrete masonry technical information and product needs.



Design of Reinforced Masonry Structures Book (DORMS)

DORMS is an exclusive CMACN book that features the latest building code requirements for concrete masonry structures.



Online Industry Flipbooks, Building Code Pamphlet, & Pictorial Magazine

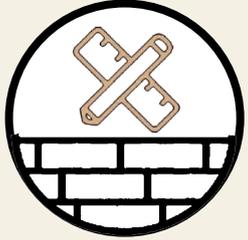
CMACN out of print books are offered as free Flipbooks found on our website. Also free to view are CMACN's "Masonry Chronicles" pamphlets, which feature updates to building codes and specifications, and CMACN's pictorial magazine, "CMU Profiles in Architecture", which showcases concrete masonry unit use in California and Nevada.



www.cmacn.org

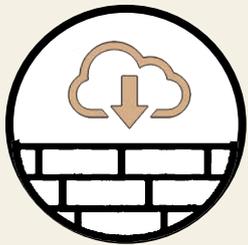
Visit CMACN's website for our bookstore, free technical information, industry links and Flipbooks, and to view CMACN's past and present Concrete Masonry Design Awards winners in California and Nevada.





Design Tools

CMACN's website gives access to many free design tool articles and pamphlets that assist with solving common industry problems when designing with concrete masonry.



Concrete Masonry Design Tool (CMD) Download

CMACN's CMD download is a design tool program for the structural design of reinforced concrete or clay hollow unit masonry elements.

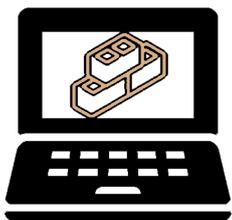


Technical Help

CMACN is here for you and your business. Whether it be for a technical question or for industry information, we are here for you.

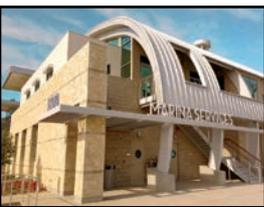
Have a masonry question?
Call or email CMACN today.

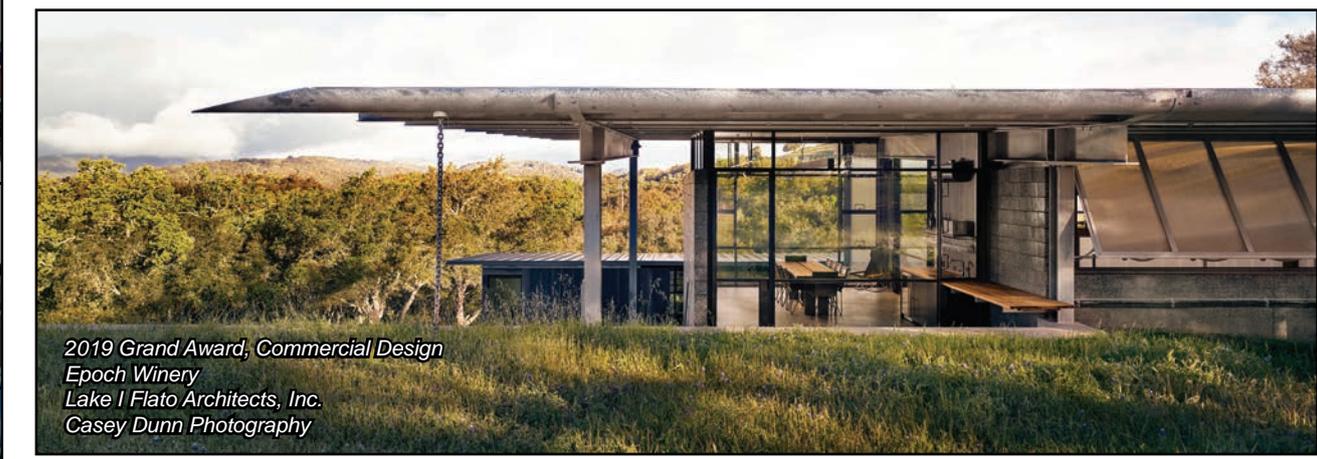
916-722-1700
info@cmacn.org



www.whymasonry.org

Visit CMACN's Why Masonry? website for information on the benefits of building with concrete masonry, concrete masonry resources, a gallery, and case studies.





2019 Grand Award, Commercial Design
Epoch Winery
Lake I Flato Architects, Inc.
Casey Dunn Photography

Why Masonry?

Smart design begins with masonry. Designing a sustainable building requires taking a larger view of building design, evaluating a building as a whole system that operates in harmony with its natural environment, and ensuring it is as energy, material, and water efficient as possible.

1. Healthy, Safe, and Secure

Using concrete masonry construction is smart; indoor air quality is optimized for occupants because integrally colored concrete masonry materials require no paints or adhesives.

Concrete masonry buildings are structurally sound. They are weather, earthquake, flood and fire resistant. Concrete masonry does not burn, melt, or warp, and is the ideal material for fire-resistant applications. It also resists mold, insects, and other pests that plague other building materials. Thanks to these and other widely recognized safety benefits of concrete masonry, it insures a concrete masonry building is noticeably less expensive, which makes concrete masonry construction a smart choice.

2. Thermal, Visual, and Acoustic Comfort

Using concrete masonry for its thermal exchange properties is smart. When using concrete masonry, windows can be designed to provide proper daylighting and views necessary for visual comfort. Designing with concrete masonry is also a smart choice for its exceptional noise attenuation and thermal lag properties.

3. Energy Efficient

Concrete masonry's thermal exchange can significantly reduce the energy usage of a building because the consistent temperature helps lower energy costs by shifting peak loads to non-peak hours while ensuring the comfort of those who





live and work inside the building. Natural daylight openings in the concrete masonry building envelope integrate well with electric lighting strategies. Constructing concrete masonry building envelopes is smart because the units can be used as indoor or outdoor finishes. The integral color of the material, requiring no paints or adhesives, can be chosen to optimize heat resistance, or heat retention, depending on the climate.

4. Material Efficient

Designing with concrete masonry is efficient. It lasts longer than other materials, requires little maintenance, and the need to manufacture new materials is reduced with every new concrete masonry building. Concrete masonry materials can be recycled into new masonry materials or aggregates. The ability to reuse existing masonry buildings, including entire structures, further enhances its sustainable properties and makes concrete masonry a smart choice.

Likewise, because of concrete masonry's strength and durability, the need for additional load-bearing framework is eliminated, creating a degree of design freedom not available with other materials.

5. Environmentally Responsive

If new materials are required, concrete masonry can often be manufactured locally, reducing transportation requirements. It does not introduce pollutants or degradation to the project site or the site of production. It uses recycled materials. Concrete masonry also requires less specialized equipment for construction, further reducing impacts on the environment.

6. Stimulating Architecture

Concrete masonry buildings are a smart choice because they never go out of style. They invoke a sense of timeless permanence and pride with their enduring beauty. Concrete masonry is available in a wide variety of shapes, sizes, colors, and textures, offering unparalleled design flexibility. Concrete masonry can be manufactured for specialty applications. It's an excellent surface on which to bond stucco or other finish materials. It's easily integrated into the design of buildings using other materials such as steel, glass, stone, and brick, creating endless possibilities. Concrete masonry is the smart choice.





*2019 Grand Award, Residential Design
Yares Residence
o2 Architecture
David Blank Photo*

About the USRC Industry Partner Committee

The USRC established the Industry Partner Committee (IPC) in 2020 to leverage the knowledge and expertise of its vendor, trade, material, and commercial members to improve understanding of the performance of structures during seismic and other natural hazard events. USRC Industry Partners have committed to providing technical information, support, and options for improving expected building performance which can thereby help to improve a structure's resilience and USRC rating.

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www.usrc.org



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