

The Masonry Society

Sustainability E-News

Adapting our Buildings

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SPONSORED EDITION

From The Editor

Upgrading existing building stock is an important way to address the carbon, energy efficiency, and sustainability goals embraced by the AEC industry. However existing buildings are really only now being talked about. While masonry buildings can present some unique challenges to retrofit, they are also some of the most beautiful, durable buildings around. There are many good examples of successful renovations, including three featured in the first article linked below. I've also been fortunate enough to have heard several presentations from experienced designers that share tips and tricks for making these renovations successful. Do you have tips or case studies on masonry buildings to share? The Masonry Society is currently accepting proposals for presentations on these and other topics for our Annual Meeting, scheduled for October 13-16, 2021 in Nashville, TN as well as for upcoming webinars. [Contact the TMS office](#) for more information.

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NOTE: Inclusion in this newsletter is not an endorsement of the products and materials featured, nor have these products been evaluated by TMS or the editor. Furthermore, the views expressed in the articles featured are those of the article authors.

GREEN BUILDING NEWS

Seeing successful renovations of historic masonry structures is always inspiring. Check out three great examples that achieved LEED certification in the first link below. ~Tina

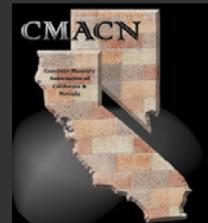
3 historic LEED buildings that continue the tradition of learning

[USGBC.ORG](#)

All kinds of buildings and spaces enhance their energy efficiency, indoor air quality and other sustainable features through LEED certification—and historic buildings are no exception. The value of our community places, and the history associated with them, goes beyond the aesthetic appeal of preserving architecturally significant structures. Historic buildings represent continuity, the importance of knowing where we came from, as we move into the future. [These three LEED projects](#) show how we can support places with historic or

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Platinum Level



cultural value, while making them healthy and efficient spaces in which to work and learn. Each of these green buildings promotes education and provides resources for the community.

Adapting our buildings for greater resilience and lower carbon

BUILDING ENCLOSURE ONLINE (tiered subscription)

The buildings sector has accounted for 66 percent of the total decrease in energy-related U.S. CO₂ emissions. Much of the decrease is attribute to the electric power sector's decrease in carbon intensity of generation as well as increased energy performance of our building stock according to [this blog](#).

It's time to make US disaster policy more effective and equitable

THE CONVERSATION

2020 saw record spending on disaster recovery. Families, communities, and taxpayers are paying the price, yet many of these losses could be avoided with better policies. [Here's how](#).

The future of waste and recycling in 2021

WASTE DIVE

[Here](#) are some of the key questions and themes Waste Dive will be exploring in the months ahead.

CODES and STANDARDS NEWS

Back in December we included the first session of the European Lime industry's online roundtable which focused on the future of masonry and innovations. This month, the topic is mortar. You can listen to the recording at the link below. ~Tina

EuLA Science-Industry Roundtable on mortar

EULA

European Lime industry Association (EuLA) Science-Industry Roundtable on New Eurocode 6 is hosting a series of online conferences. A recording of their second in the series, and the first 'special session', on Mortar – Masonry Bond can be accessed [here](#).

What we can learn from the IECC 2021 Energy Code

BUILDING ENCLOSURE ONLINE (tiered subscription)

[Here's](#) what we can learn from the IECC 2021 energy code, which includes the proposals for the code and setbacks.

GREEN PRODUCT NEWS

While not products news per se, the first two links below feature the newest masonry podcasts on topics related to masonry products and construction. ~Tina

Podcast: The Resiliency Pie

MASONRYPRINCIPLES.COM

How do we integrate proven materials like masonry into the bigger spectrum of what we are trying to accomplish in resilient construction? In this [new podcast](#) from the Masonry Institute of Michigan and the Upstate Masonry Institute titled *Masonry Principles*, Jason Thompson of NCMA dives into answering this question and how masonry accomplishes a more resilient footprint. The podcast is aimed at construction professionals to give them the tools they need to build better buildings with masonry.

Podcast: Just* Mason Around

NCMA.ORG

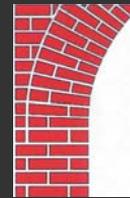
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Western
States Clay
Products
Association

Gold Level



Masonry
Institute
of
America



Portland
Cement Association **

Silver Level



Spec Mix **
Bronze Level



In the latest edition of [Just* Mason Around](#), Nick Lang, Vice President of Business Development at NCMA discusses energy efficiency and energy code compliance. These are two of the top most frequently asked questions by architects and designers.

Firm designs dorm with hollow concrete block

DEZEEN

Zero Energy Design Lab has designed a girls' dormitory with hollow concrete block for the St. Andrews Institute of Technology and Management in Gurugram, India. "The building unfolds as a series of multidimensional spaces, arranged in a hierarchical order through the method of adaptive layering," said Sachin Rastogi, founder of the Zero Energy Design Lab in [this article](#).

Progress made on carbon-capture project in Canada

DAILY COMMERCIAL NEWS (Ontario)

A Lafarge Canada cement facility in Richmond, British Columbia, now has the ability to capture and filter carbon dioxide from flue gas. The company, along with Svante and Total, have completed the second phase of a project to develop the world's first full-cycle solution to capture and reuse CO2 from a cement plant. Read more [here](#).

EDUCATIONAL NEWS

It's not too late! Two great opportunities to check out below; but act fast! ~Tina

Register Now: *Strength Design of Masonry*

THE MASONRY SOCIETY

Mark your calendars for the next in our Masonry Night School series: [Strength Design of Masonry](#). Richard M. Bennett and John M. Hochwalt, authors of TMS's newest and best-selling [new guide Strength Design of Masonry](#), will present a six-session Strength Design of Masonry Night School **beginning February 3, 2021**. This course covers topics such as the design of beams and walls (for in-plane and out-of-plane loads), seismic detailing, and design of connectors. It will provide in-depth instruction for anyone interested in designing more efficient masonry structures using strength design of masonry.

Nominate a TMS Member for Fellow Status

Consider recognizing the contributions of your peers by nominating them for **TMS Fellow Member** status. [Click here](#) for more information and to nominate someone. The deadline is **February 1!**

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