



Published by the Bronx Chapter AIA Publications Committee to highlight activities and information of interest to the Practicing Architect.

Newsletter

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III AIA Activities	
• AIA Convention 2020 May 14-16, 2020 Los Angeles, California Link: https://conferenceonarchitecture.com	
V Next Chapter Meeting is Thursday December 12, 2019 at 12:00pm.	



November 21, 2019

Meeting Minutes

Meeting began at 6:16pm

Attendees

Bill Caplan
Bob Esnard
Antonio Freda
Jerin Lisha
Josette Mathew
Julian Misiurski
Frank Molinini
Bryan Zelnik
Martin Zelnik

Guests

Mark Rivard – Regional Director
WoodWorks

Agenda / Discussion:

1. Marc Rivard – Regional Director of WoodWorks of the Wood Products Council, a not-for-profit manufacturer’s organization presented a seminar on using wood in new ways titled, “Correcting Misperceptions of Mass Timber Fire Performance”. He described with slides of various construction types illustrating multi-family, commercial and industrial uses as well as how mass timber can be realistically/economically utilized. Marc discussed the governmental regulations on timber construction in this country and as they have evolved over time, while describing wood characteristics in relationship to strength, weight, fire resistance and design flexibility. Historically, governments have used restrictive “proscriptive” code regulations for wood structures in terms of the physical sizes of lumber for specific height, span and fire requirements which are listing of specific dimensions of lumber for uses. Currently, the codes are being modified and updated to regulate the use of wood by “performance” characteristics. The type of wood, the method of fabrication as well as the actual design loads and spans determine acceptability. The United States has historically restricted wood structures to, 6 stories or 80 feet high. The new codes will allow tall wood buildings from 8 stories to 18 stories, depending on the type of specific heavy timber construction such as, cross laminated timber, glue laminated timber and engineered wood panels. The International Code Council (ICC), has formerly approved tall wood buildings as part of the 2021 International Building Code (IBC). Implementation of these changes will occur over the next few years and ultimately be included in the New York City Building Code. These updated codes create three new construction types: Type, IV-A, IV-B and IV-C, allowing the use of mass timber and noncombustible materials in buildings up to 18 stories for certain construction situations in business and residential buildings.

Mass timber specifically means heavy timber construction such as, lumber characterized as:

- Glue Laminated Timber (GLT).
- Laminated Veneer Lumber (LVL).
- Parallel-Strand Lumber (PSL) and
- Laminated Strand Lumber (LSL).

Mass timber can be compared favorably to concrete or steel construction in that it usually is:

- Faster to construct.
- Lighter, requiring less material and simpler foundations.
- As a final product, aesthetically pleasing.
- A construction material with carbon retention which is better environmentally, as older trees used for construction, allow new trees to be planted, recycling land and oxygen.
- Effective, with good structural performance and flexible to accommodate various physical situations.
- An excellent fire retention system when combined with sprinklers and can achieve excellent protection.

All these characteristics make mass timber construction cost effective for many applications. However, the critical thing in designing wood buildings is the connection of the heavy timber elements and they have to be carefully designed. There are specialized metal brackets, connectors and systems that allow multiple applications that are; economical, fire safe and perform structurally well.

Mark Rivard, at the end of the presentation, answered questions about individual projects concerning fire retarding issues. In addition, he illustrated how in certain states such as Oregon and Maine have some tall wood frame buildings successfully built. He believes that the economy of using wood combined with environmental advantages will result in wood being more and more used. He has assisted several municipalities, including New York City in building affordable housing while utilizing mass timber construction. Marc also volunteered to assist any Chapter member who would like help, in developing wood buildings for any of their projects. His presentation was well received and clearly is someone who understands the “reality” of building; getting projects approved and seeing them built. Marc’s contact information is:

Marc Rivard, PE, SE,
WoodWorks Regional Director
Design & Construction Services
Tel: 617-997-3890
Email: marc.rivard@woodworks.org

2. The Minutes of the October 24, 2019 were circulated. Martin Zelnik made a motion for approval and the motion was seconded by Frank Molinini. The October minutes were then unanimously accepted.

3. Meeting Dates:

The meeting dates will continue to alternate luncheon and dinner meetings. The schedule for the next meeting in December, will be a luncheon meeting and the schedule for the next meetings are:

- December 12, 2019 - 12:00pm
- January 23, 2020 - 6:00pm
- February 20, 2020 - 12:00pm
- March 19, 2020 - 6:00pm
- April 20, 2020 - 12:00pm

4. New York Architects Council:

The increasing difficulty of practicing architects going through the Department of Buildings (DOB) efficiently and economically as possible was discussed. Recently, the local elected and government officials have not been “working” well with architects. Government has approved changes such as; implementing DOB NOW combined with the just approved Local Law 108 of 2019, both will have significant liability and economic impacts. A copy of the Law and a memo created by ad hoc group of the construction industry’s design professionals, was sent to all Chapter members as an attachment to the October Chapter minutes. These documents were reviewed, and it was clear the ad hoc group was proactive, wanting to interface more energetically with the New York City Construction Regulating Agencies and the City Council. The memo was of a meeting held on October 19, 2019 to create a “Design Professionals Association”. The effort of this group was to not eclipse the Architect’s Council but to hire consultants and lobbyists to track legislation and government activities. The thought is to modify and limit the negative aspects of legislation and Governmental Regulations before they are Law and as they evolve. In addition, the hope is to educate elected and governmental officials and argue that architects and engineers are professionals. New rules should be focused on public safety and making construction more efficient, rather to seek to penalize and prosecute professionals who do not measure up to arbitrary/politically generated standards.

5. Chapter Committees:

At the October Chapter meeting, the Nominating Committee proposed a slate of officers for the coming year, which was published in last month’s minutes. There were no other nominations proposed. Marty Zelnik moved to adopt the slate, with Julian Misiurski seconding, and the following slate of Bronx Chapter Officers were adopted for 2020.

- Tony Freda - President
- Sara Djazayeri - Vice President
- Ken Koons Jr. - Treasurer
- Robert Esnard - Secretary
- Ofe Clarke - Director
- Ken Koons Sr. - Director
- Giuliano Penna - Director
- Frank Molinini - Director

6. Communities:

- Education

Sara Djazayeri started a relationship with a Bronx school to develop an Outreach Program for Middle School students assisting them in their understanding of architecture and the practice of architecture. Frank Molinini expressed interest in participating with the Educational Committee and suggested hosting children at the Housing Preservation and Development offices, his work site. Bob Esnard will contact Sara Djazayeri, to see how the committee is progressing and possibly utilizing Frank's suggestion.

- Events

Josette Mathews is Chairman of the Events Committee and hopes to arrange an event over the holiday season at the New York Botanical Gardens on one of their "Bar Nights" when architects could spend a "social" evening together and enjoy the Holiday Train show. Josette had several additional ideas where and when the Chapter could create events for Continuing Education credits as well. Her idea is to simultaneously encourage social interaction for credits. She hopes to write up a proposal or two, for the Chapter to submit to National AIA for CEU Accreditation. With approval, scheduling the event can then proceed. Josette is very enthusiastic and Jerin Lisha indicated interest in working with Josette and the committee.

7. Continuing Education:

Mott Haven

The Bronx Chapter sponsored its second Tour of the year with the Bronx County Historical Society on Saturday, October 26, 2019. Lloyd Ultan, The Bronx County Historian lead the tour and was supported by Julian Misiurski of the Chapter. There was an excellent showing of 11 people with a few architects who took the Tour for credit. Julian Misiurski and the Bronx Historical Society will hopefully combine again to schedule another Tour in the spring allowing our members to locally receive Continuing Education Credits.

8. Email Address/Chapter Directory:

Bill Caplan, who has been doing a wonderful job managing and monitoring our Bronx Chapter website, reviewed two items, an official Chapter email address and a Bronx Chapter Directory:

- Chapter email address.

Bill indicated that the Chapter currently has individuals listed in our website for specific functions i.e., the contact for Tours Robert Esnard, the Newsletter, Tony Freda and events, various people depending on specific events. Bill Caplan's recommendation is to have one Bronx AIA email address, which would be linked to the current Chapter president as different events occurred, people wishing to contact the Chapter could use this "official" email address. Bill indicated that this will require a slight increase in Web maintenance fees. However, will bring us in line with other Chapters and not-for-profit websites. After a short discussion, it was unanimously approved to develop an "official" email address for website use and contacts.

- Chapter Directory.

The Chapter November meeting notice, had two attachments:

AIA Chapter Directory sample and contract with E&M Consulting from Chaska, Minnesota.

Bill outlined the idea of a Chapter Directory and a contract with an E&M Consulting, Inc. (E&M) who, at no cost to the Chapter, will provide a membership booklet "Directory and Resource Guide". The concept is that E&M will solicit; contractors, consulting companies and retailers to buy ads to pay and produce in the Directory. Theoretically, Chapter members could use the directory to publicize themselves and Chapter activities. This directory will be published annually and include: all the Bronx Chapter Members, their contact information, publicize activities and functions of the Chapter including; projects, buildings, competitions and helpful hints, to anyone interested in the Bronx construction industry and/or Bronx Architects. In addition, members and possible Chapter affiliates, if we create such a list, can be highlighted for specific achievements. The Chapter members, after a short discussion, thought it would be a good idea to explore this publication, if a few more members volunteered to write and participate in putting together the "substance" for publishing of a Chapter Directory. Bob Esnard indicated that he would reach out to E&M to see if a Chapter of our size made sense, for the kind of effort and dollars it would take to produce. Bob will review it with Tony Freda and Bill Caplan before it is brought to the Chapter for a decision.

The meeting was adjourned at 8:20pm.

Next Meeting – The next meeting will be a luncheon meeting at 12:00pm at Artie's Restaurant, on **December 12, 2019**.

II Related Articles and Education Opportunities

 @HWUniversity



[3D Printing Technology Is Transforming the Concrete Industry](#)

Register

AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit



[Concrete Restoration and Repair](#)

Register

AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit



[High-Performing Weather-Resistant Barriers](#)

Register

Canada Potential: 1 Learning Credit, AIA: 1 LU | HSW



[Re-evaluating Kitchen Surfacing](#)

Register

IDCEC: .1 CEU, AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit



[Roof Deck Hardscape Systems Provide Outdoor Amenity Solutions](#)

Register

AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit



Best Practices in Blindside Waterproofing

Register

AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit

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UNIVERSITY

ARCHITECT



Sealing the Envelope with Insulated Metal Panels

AIA: 1 LU | Elective, PDH Potential: 1 Hour, Canada Potential: 1 Learning Credit

Register



Pre-Finished Steel Roofing for Residential and Light Commercial Buildings

Canada Potential: 1 Learning Credit, AIA: 1 LU | HSW

Register



Best Practices for Designing Kitchen Islands

IDCEC: .1 CEU, NARI: 1 Hour, AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit

Register



Glass Railing Systems: Critical Code and Design Considerations

AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit

Register



Wood windows are remarkable for their warmth and aesthetic appeal. Their design flexibility can accomplish the harmony of any architectural style, from contemporary to traditional to ornate and custom.

In the past however, wood has had it's challenges. **Learn how** breakthroughs in the wood treatment process have led to environmentally friendly fungal and insect resistant wood components.

Earn 1 AIA LU | Elective, 1 Canada Potential Learning Credit

Register

 @HWUniversity



**Strategic Electrification and
the Role of Advanced Heat
Pump Technology**

Register

*PDH Potential: 1 Hour, Canada Potential: 1 Learning Credit,
AIA: 1 LU | HSW*



**Top Daylighting: A Circadian
Health and Wellness
Perspective**

Register

Canada Potential: 1 Learning Credit, AIA: 1 LU | HSW



**The Creation of Experiential
Building Environments Using
Light-Manipulating Materials**

Register

*IDCEC: .15 CEU HSW, Canada Potential: 1.5 Learning
Credits, AIA: 1.5 LU | HSW*



**Energy Innovation Center
Earns LEED Platinum
Certification**

Register

AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit

<https://www.architect-forum.com/eblast/AFlogo-whiteNL.png> style="outline: none; text-decoration: none; display: block; clear: none; float: none; margin-left: auto; margin-right: auto; display: none; mso-hide: none;" align="center" width="200">

AIA ONLINE CONTINUING EDUCATION

HSW and ADA credits available

Automated Vehicular Gate Systems: For System Design Compliance to Safety Standards

<https://www.architect-forum.com/CCLmsAIAceus-newsletters/AutoGate/AutoGate3.jpg> style="outline: none; text-decoration: none; display: block;clear:none;float:none;margin-left:auto;margin-right:auto;display:none; mso-hide: none;" align="center" width="600">

Course No: AG3203-W | Narration: No | AutoGate, Inc.

Present a familiarization with an understanding of UL 325 and ASTM F2200 applicable to automated vehicular gates. This course will educate specifiers to safety standards in the interest of client safety and liability associated with automated vehicular gates.

LEARN MORE

Combat Mold, Improve Indoor Air Quality and Specify MgO Products

<https://www.architect-forum.com/CCLmsAIAceus-newsletters/DragonBoardUSA/dragonboard.jpg> style="outline: none; text-decoration: none; display: block;clear:none;float:none;margin-left:auto;margin-right:auto;display:none; mso-hide: none;" align="center" width="600">

Course No: DB0602-W | Narration: No | DragonBoard USA

Provides an overview of Indoor Air Quality, along with a discussion on IAQ health issues associated with Mold and Fungus. The program looks at the causes of Mold and Fungus in today's structures and examines how specifying MgO products is a great alternative solution to dealing with Mold and Fungus.

LEARN MORE

Accessibility, Safety & Platform Lifts and Elevators v2

<https://www.architect-forum.com/CCLmsAIAceus-newsletters/GaraventaLift/GaraventaLift-Upper-Canada.jpg>

style="outline: none; text-decoration: none; display: block;clear:none;float:none;margin-left:auto;margin-right:auto;display:none; mso-hide: none;" align="center" width="600">

Course No: GL1402-W3 | 1 hr HSW/ADA | Garaventa Lift

We recognize the importance of elevators and lifts in today's design industry. Lifts and elevators can be an extraordinary feature added to a home or building that will enhance the life quality and safety of the end user. In this program the learner will learn about the requirements for platform lifts, the different types of lifts, and basic product design. Will also gain an understanding of code compliance issues, and how to solve accessibility problems, and solutions for evacuation for persons with disabilities.

LEARN MORE

Operable Glass Wall Systems in Green Design II

<https://www.architect-forum.com/CCLmsAIAceus-newsletters/NanaWallSystems/NanaWall3.jpg>

style="outline: none; text-decoration: none; display: block;clear:none;float:none;margin-left:auto;margin-right:auto;display:none; mso-hide: none;" align="center" width="600">

Course No: NAN0802-W | 1 hr HSW | NanaWall Systems Inc.

Provides an overview of the characteristics of large opening glass walls and how they contribute to good indoor air quality. The program will also discuss valuable green building design in relation to large operable openings; such as daylighting, energy efficiency, and design.

LEARN MORE

Sustainable Design Through EIFS: When To Use It VII

<https://www.architect-forum.com/CCLmsAIAceus-newsletters/Energex/Energex.jpg>

style="outline: none; text-decoration: none; display: block;clear:none;float:none;margin-left:auto;margin-right:auto;display:none; mso-hide: none;" align="center" width="600">

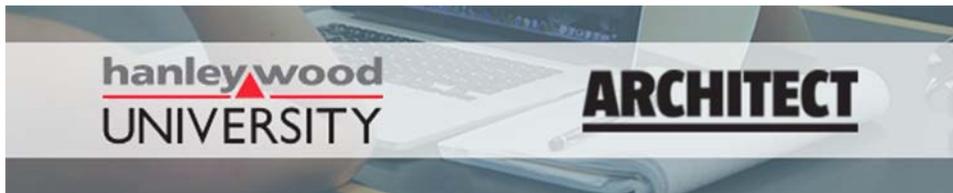
Course No: EW0704-W | 1 hr HSW | energex®

In this program we will discuss the differences between EIFS and Stucco and also the compositions and types of EIFS available today and why EIFS has gone through growing pains in the construction industry. At the conclusion of this program you will be able

to understand the benefits, applications and performance of an EIFS system.

[LEARN MORE](#)

 @HWUniversity





Achieving the United Nations' Development Goals via Architecture

PDH Potential: 1 Hour, Canada Potential: 1 Learning Credit, AIA: 1 LU | HSW

Register



Why Exceed the Code: Maximizing Energy and Cost Savings in Pipe Insulation

Canada Potential: 1 Learning Credit, AIA: 1 LU | HSW

Register



Polycarbonate Roofing and Glazing Highlights

AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit

Register



Manufactured Stone Veneer: Best Practice Installation

AIA: 1 LU | Elective, Canada Potential: 1 Learning Credit

Register

THE END