



MASFA

Mid-Atlantic Steel Framing Conference

May 10 - May 13, 2005

Historic Inns of Annapolis, MD



**Education, Networking,
Tool & Technology Exposition.**

Conference Highlights

The Mid-Atlantic Steel Framing Alliance is hosting a national conference dedicated to the advancement of the cold-formed steel framing industry. Highlights include:

- Two full days of educational sessions.
- Tool and technology exposition.
- Tour of Mittal Steel USA's plant at Sparrows Point and a steel framing jobsite.
- Dinner cruise on the Chesapeake.

Architects & Engineers

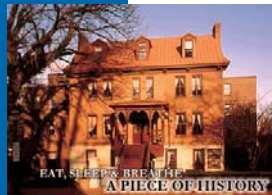
All of our educational sessions offer either 1 or 1.5 hrs continuing education credits for architects and engineers.

Contractors & Suppliers

Thursday's program has been specially arranged for our contractor and supplier attendees.



Destination and Hotel Information



Reserve Your Room at the Historic Inns of Annapolis

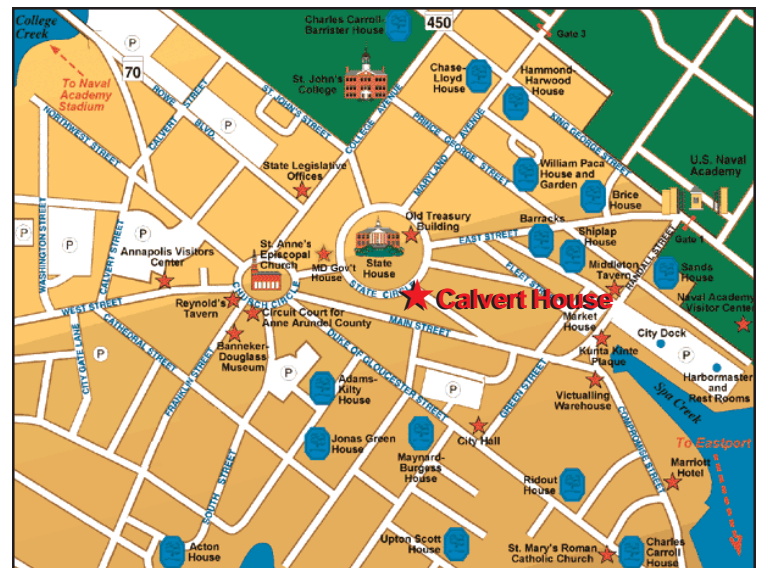
Reservations: 1-800-847-8882
www.AnnapolisInns.com

Check-In 3:00 pm at Governor Calvert House, 58 State Circle, Annapolis, MD 21401

Call to receive the special rate of \$145/night (mention MASFA, valet parking \$5/night). Do not register at hotel website.

The Historic Inns of Annapolis is a unique set of three buildings located in downtown Annapolis. The Inns date back to the 1700's, each with their own character and charm.

See www.masfa.com for directions.



Map Courtesy of the City of Annapolis



Schedule of Events

Mid-Atlantic Steel Framing Conference – Annapolis, Maryland – May 10-13, 2005

Time	7:30 – 8:30 AM	8:30 – 10 AM	10 – 11:30 PM	12:00 – 1:30 PM	1:30 - 3 PM	3:00 – 4:30 PM	5:30 – 8 PM (+)
May 10 Tuesday	Platinum Sponsor: Steel Framing Alliance Gold Sponsor: Clark-Western Gold Sponsor: NUCONSTEEL Silver Sponsor: Premium Steel Building Systems Silver Sponsor: All Span / Aegis Silver Sponsor: Super Stud Building Products Silver Sponsor: Dietrich Metal Framing				Train the Trainer Session		Attendee Registration Welcome Reception
	May 11 Wednesday	Registration & Continental Breakfast Sponsor Alpine/TrusSteel	Session 1 New Standards for Cold-Formed Steel Framing	Session 3 Cold-Formed Steel Design by the Direct Strength Method	Lunch	Session 5 Cold-Formed Steel Shear Wall Assemblies & Connectors	Session 7 Insurance Discounts - Creating a Competitive Advantage for Steel
Session 2 Building Green with Steel			Session 4 Truss Design and Construction	Session 6 Protecting Cold Formed Steel From Corrosion		Session 8 Steel Stud Brick Veneer Systems	
EXHIBITION FLOOR OPEN							
May 12 Thursday	Registration & Continental Breakfast	Session 9 Panelized Steel-Framed Systems-How to Make it Work	Session 11 Steel Connections: Methods & Solutions	Lunch	Session 13 Cold-Formed Steel Design Issues for the Contractor	Session 15 Case Study: Steel Frame Housing in New Zealand	Dinner Cruise 5:00pm Sponsor Marino\WARE
		Session 10 Market Opportunities for Cold-Formed Steel Framing	Session 12 Assisted Living Facilities: A Case For Steel		Session 14 Steeling the Market with the Green Building Guidelines		
EXHIBITION FLOOR OPEN							
May 13 Friday	Registration & Continental Breakfast	Mittal Steel USA Plant Tour Sparrows Point Depart by bus at 8:00am. Tour ends at 12 noon (box lunch included). Sponsored by: Mittal Steel, USA		Steel Framing Job Site Tour Leave steel plant at 12 noon and return to Hotel at 2:45pm. Sponsored by: Mittal Steel, USA			



Program-at-a-Glance

Tuesday, May 10

1:30 pm – 3:30 pm

Train the Trainer

Maribeth Rizzuto

Are you really taking full advantage of your Steel Framing Alliance membership? Join the Alliance Director of Training and Education as she delivers SFA's latest training and education tools, and how you can make them work for you! Put your membership and steel framing experience to work for the betterment of the industry and ultimately your company.

5:30 pm – 8:00 pm (+)

Registration and Welcome Reception

Wednesday, May 11

7:30 am – 8:30 am

Registration and Continental Breakfast

Sponsor: Alpine/TrusSteel

8:30 am – 10:00 am

Session 1*

New Standards for Cold-Formed Steel Framing

Jay Larson, PE

To enable the increased use of cold-formed steel framing, the American Iron and Steel Institute (AISI) in its role as an ANSI-accredited standards development organization has been actively turning state-of-the-art research and industry practices into a suite of design and installation standards. In 2004 AISI released supplements or new editions to its entire suite of standards. In 2005 the AISI will complete a "Code of Standard Practice for the Cold-Formed Steel Structural Framing Industry" and a "Standard for Cold-Formed Steel Framing - Product Data." These two documents will be significant steps forwards for the steel framing industry.

8:30 am – 10:00 am

Session 2*

Building Green With Steel

Greg Crawford

Every builder has heard of "building green" since this is a vastly popular theme today. Indeed, there are "green" or environmental marketing claims about virtually all construction products. So, how do steel studs, metal roofing and siding, and other steel construction products fit in? Builders want to know! This session will discuss what constitutes "building green" in an authoritative, credible manner, why it relates to steel, and how to communicate it to customers. Then, exploring green marketing in more depth, the session will also review the "sustainability" of steel, which is the ultimate environmental claim.

10:00 am – 11:30 am

Session 3*

Cold Formed Steel Design by the Direct Strength Method

Ben Schafer, PhD.

In the 2004 supplement to the North American Specification the AISI adopted and provided an entirely new alternative design method for cold-formed steel beams and columns: the Direct Strength Method. This new Appendix 1 method, the Direct Strength Method provides solutions to the strength of beams and columns without effective width's and without iteration. This talk will explain the basis for the new method and provide some insights on the potential for novel designs in cold-formed steel that the new method makes possible. A design guide which is currently being created will also be discussed.

10:00 am – 11:30 am

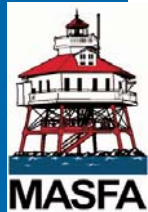
Session 4*

Truss Design & Construction

Presented by Johan Cronje

The CFS Truss industry is growing at a rapid rate. As more players are joining the game and its applications are becoming more widespread, it is important to share suitable

** Sessions provide either 1.0 LU/HSW or 1.5 LU/HSW*



Program-at-a-Glance

information with specifiers and designers. This presentation will be an overview of CFS trusses; covering historic developments, current issues regarding design and specification as well as industry communication and trends in the applications of CFS truss systems.

12:00 noon – 1:30 pm **Lunch**

1:30 pm – 3:00 pm **Session 5***
Cold-Formed Steel Shear Wall Assemblies and Connectors

Jeff Ellis, PE, SE

This presentation will have an overview of the development of shear wall design for cold-formed steel construction. Then a comparison of the similarities and differences of cold-formed steel framed shear wall requirements for the 1997 UBC, the 2003 IBC, and the new AISI Standard for Cold-Formed Steel Framing – Lateral Design, 2004 Edition will follow. Also, the presentation will include a discussion of special shear wall design requirements. Then a discussion will follow regarding fasteners used for cold-formed steel construction, cold-formed steel framing to foundation connections, and cold-formed steel member to member connections.

1:30 pm – 3:00 pm **Session 6***
Protecting Cold-Formed Steel From Corrosion

Jay Larson, PE

Cold-formed steel framing offers a durable, long lasting alternative to conventional framing materials. To assure that performance objectives are met, designers and contractors need to understand the causes of corrosion, how to identify corrosion-prone buildings, the various classes of exposure for cold-formed steel framing, and corrosion resistant materials/coatings. This seminar will provide guidance for framing corrosion control and summarize relevant research that has been recently completed.

3:00 pm – 4:30 pm

Session 7

Insurance Discounts – Creating a Competitive Advantage for Steel

Bill Kraft

The mission of the Steel Framing Alliance (SFA) is to enable and encourage the widespread, practical and economic use of and preference for cold-formed steel framing in residential construction, and to expand the use of steel framing as a load bearing element in commercial construction. One key objective of the SFA business plan is to reduce the “Costs of Construction” when building with steel framing. Bill’s presentation will introduce a new insurance program for steel framing underwritten by Zurich – one of the largest construction insurers in the nation – that offers substantial discounts on “Builders Risk Insurance” for builders and owners of commercial and multi-family projects. These discounts can be used to significantly reduce the gap in pricing between steel and wood framing, and create a clear market advantage for your company.

3:00 pm – 4:30 pm

Session 8*

Steel Stud Brick Veneer Systems

Don Allen, PE

Brick Veneer over Steel Framing has become a very popular method for exterior wall framing. Although this system has some excellent characteristics and economies, architects, engineers, and specifiers must take special care in the design and detailing, to ensure adequate performance of the system over the life of the structure. This seminar will go over some of the basics of the system, and show details for architects, engineers, and installers. Pictures from real systems, and overviews of some of the publications now on the market, will be covered.

7:00 pm

SFA General Membership Meeting and Dinner

Keynote Speaker

Sponsor: Steel Framing Alliance

**Sessions provide either 1.0 LU/HSW or 1.5 LU/HSW*



Program-at-a-Glance

Thursday, May 12

7:30 am – 8:30 am **Registration and Continental Breakfast**

Sponsor: Alpine/TrusSteel

8:30 am – 10:00 am **Session 9***
Steel Framing Panelization – How to Make it Work

Danny Feazell

Learn from one of the most successful steel framing panelizers in the country today. If you are a residential or commercial builder/contractor, or business owner you will not want to miss this session. Hear from this third generation builder - now panelizer, of the steps necessary to consider when deciding if this approach will work for you. From checking the track record of the panelizing company all the way through to what you can expect during the process; including shop drawings, responsibilities, approvals, customer service and the final sign-off. Danny will lead you through engaging panelizing services from beginning to end.

8:30 am – 10:00 am **Session 10**
Market Opportunities for Cold-Formed Steel Framing – Through the New Codes

Presented by Robert J. Wills, PE

Building codes and standards are always changing – creating the environment in which cold-formed steel and other framing materials compete. Recent changes in building codes and standards have established new market opportunities for cold-formed steel framing. This session will highlight code provisions related to height and area limits for combustible versus non-combustible construction, and other code provision updates favorable to cold-formed steel.

10:00 am – 11:30 am **Session 11***
Steel Connectors

Presented by Michael Booth

Metal to metal connections for cold formed steel framing are the critical elements for the design of the framing systems for both component and cladding systems and load bearing structures. This interactive discussion will address solutions for design requirements and code compliance with emphasis on construction and production, in a search for optimal value to the project.

10:00 am – 11:30 pm **Session 12**
Assisted Living Facilities

Charlotte Wade & Jeff Klaiman

This presentation will provide an overview of the aging population, with special emphasis on the housing needs and preferences of those currently in the market and the emerging Baby Boomers. Housing trends and options ranging from single family homes to age targeted communities to assisted living will be discussed, in addition to ways in which homes for seniors can be built or modified to support aging in place.

12:00 noon – 1:30 pm **Lunch**

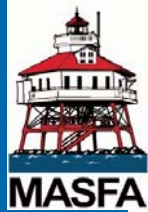
1:30 pm – 3:00 pm **Session 13***
Cold Formed Steel Design Issues for the Contractor

Jeff Klaiman

In CFS design, contractors build per approved shop drawings or contract structural drawings. Invariably, issues and conditions arise in the field that can differ from what is on the drawings being used. The contractor is forced to decide whether the issue needs to be reviewed by the engineer or make minor changes to accommodate the discrepancy. This seminar will introduce contractors to the basic design principles used in CFS design in basic terms so that contractors can understand the importance of following the

Exhibition Floor open
May 11, 8:30 am – 4:30 pm and
May 12, 8:30 am – 4:30 pm

** Sessions provide either 1.0 LU/HSW or 1.5 LU/HSW*



Program-at-a-Glance

engineer's design and make educated decisions in the field.

1:30 pm – 3:00 pm

Session 14*

Steeling the Market With Green Building Guidelines

Rich Dooley

Rich Dooley of the NAHB Research Center will provide background information as to the state of green home building in the U.S. In addition, he will offer details about the first set of national green home building guidelines, i.e., NAHB's newly-released Model Green Home Building Guidelines. In being the Project Manager for the task to create the guidelines, his unique perspective offers an inside look to the process used to create the guidelines and what is contained in the guidelines.

3:00 pm – 4:00 pm

Session 15

A Case Study: Steel Framed Housing In New Zealand & Australia

Presented by Gordon Barratt

Steel Framed Housing has undergone a revival in New Zealand assisted by the onset of a "leaking building" crisis and the financial and health risks associated with the declining performance of timber. Gordon will talk on the recent advances, advantages, construction methods and growing use of Steel Framing in housing in New Zealand. Steel Framed Housing has been used in Australia for decades and the region is one of the most successful in the world. The overall market share in Australia is about 14%.

5:00 pm

Dinner Cruise

Sponsor: MarinoWare

Friday, May 13

7:00 am – 8:00 am

Registration and Continental Breakfast

Sponsor: Alpine/TrusSteel

8:00 am

Mittal Steel USA Plant Tour Sparrows Point

Depart by bus at 8:00am. Tour ends at 12 noon (box lunch included).

Sponsored by: Mittal Steel USA

Steel Framing Job Site Tour

Leave Mittal Steel Plant at 12 noon and return to Hotel at 2:45pm.



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Registration

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Email _____

Full Conference Registration—\$195

Includes a full three day pass (includes welcome reception, 2 breakfasts, 2 lunches, Wednesday dinner, Thursday dinner cruise, and Friday field trip to Steel Plant).

Single Day Conference Registration—\$95

Includes a full day pass to either Wednesday or Thursday (price includes breakfast and lunch, price excludes dinner or cruise)

Wednesday Evening Dinner—\$45

Thursday Evening Dinner Cruise—\$60

Thursday Contractors Day—\$45

If you are a contractor or supplier in the Mid-Atlantic Region, spend a day with us at a special price (price includes breakfast and lunch).

Mittal Steel Plant USA Tour (Sparrows Point)—Free to Conference Registrants

Payment Information

Check enclosed (**Make checks payable to MASFA**)

Credit Card:

VISA MASTERCARD

Name on Card _____

Card # _____

Expiration Date _____

Signature _____

Total Registration Fee \$ _____

Payment must accompany this registration form.
Please photocopy the form for additional registrants.

Three Easy Ways to Register:

Fax: 301.430.6182

Phone: 301.430.6281

Mail: Nader Elhadj
NAHB Research Center
400 Prince George's Boulevard
Upper Marlboro, MD 20774

Accommodations

Rooms at the **Historic Inns of Annapolis** are available at the rate of \$145 per night (mention MASFA). Please make room reservations directly with the Historic Inns of Annapolis at **1-800-847-8882**. Rooms are not included as part of conference registration.



MASFA
400 Prince George's Boulevard
Upper Marlboro, MD 20774

Many Thanks To Our Sponsors

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Systems
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Cruise Sponsor: **MarinoWare**
Tour Sponsor: **Mittal Steel, USA**
Sponsors as of 3/16/05

**For more convention information visit
the MASFA website at www.masfa.com
or call 301.430.6281**

MASFA Vision

Our primary vision is to enable and encourage the widespread, practical and economical use of and preference for cold-formed steel framing in both light commercial and residential construction.

Conference Highlights

SFA Annual Membership Meeting.
Two full days of educational sessions.
Tool and technology exposition.
Tour of Mittal Steel USA's plant at Sparrows Point.
Tour of steel framing jobsite.
Dinner cruise on the Chesapeake.