President’s Message

Terry Dieken
President
Extreme Panel Technologies
U.S. Housing Starts

Seasonally adjusted annual rate - Millions

Jan '10 | Mar | May | July | Sep | Nov | Jan '11 | Mar | May | July | Sep | Nov | Jan '12
Multifamily Starts

Seasonally adjusted annual rate - Millions

Jan '10  Mar  May  July  Sep  Nov  Jan '11  Mar  May  July  Sep  Nov  Jan '12
U.S. Nonresidential Construction

Seasonally adjusted annual rate - $ Billion
Looking Forward

APA Housing Forecast

<table>
<thead>
<tr>
<th></th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
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</thead>
<tbody>
<tr>
<td>Single Family</td>
<td>430,600</td>
<td>470,000</td>
<td>550,000</td>
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<tr>
<td>Multifamily</td>
<td>178,200</td>
<td>230,000</td>
<td>250,000</td>
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<tr>
<td>U.S. Total</td>
<td>608,800</td>
<td>700,000</td>
<td>800,000</td>
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<tr>
<td>Canada</td>
<td>193,950</td>
<td>185,000</td>
<td>183,000</td>
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## Membership

### SIPA Membership

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Manufacturers</td>
<td>31</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td>Suppliers</td>
<td>25</td>
<td>22</td>
<td>21</td>
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<tr>
<td>Dealer/Distributors</td>
<td>24</td>
<td>10</td>
<td>14</td>
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<tr>
<td>Associates</td>
<td>16</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Builders</td>
<td>108</td>
<td>406</td>
<td>397</td>
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<tr>
<td>Design Professionals</td>
<td>21</td>
<td>33</td>
<td>28</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>225</strong></td>
<td><strong>507</strong></td>
<td><strong>506</strong></td>
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</tbody>
</table>
Membership

Welcome new members!

ENERCEPT

Dietrich’s NA
3D-CAD/CAM FOR WOOD CONSTRUCTION AND CONSULTANCY INC.

Sustant
For the Built Environment

SIPA
Structural Insulated Panel Association
Builder Training Program

Goal: Educate and qualify builders

Two levels:

– SIPA Registered Builder
– SIPA Registered Master Builder
Builder Training Program

SIPA Registered Builder

– Current SIPA member in good standing
– SIPA member manufacturer sponsor
– Complete BEST program - 10 session online training at Green Builder College
SIPA Registered Master Builder

3 compliance options

• Option A
  – Complete BEST online training
  – Regional 2-day hands-on installation workshop
  – SIP home with blower door 2 ACH50 or less
  – SIPA installation checklist
3 compliance options

• Option B – Experienced SIP Builders
  – 5 years of SIP experience or 10 SIP homes
  – Pass online test (100 questions)
  – SIP home with blower door 2 ACH50 or less
  – SIPA installation checklist
3 compliance options

• Option C
  – SIPschool SIPs 301 workshop (4 days)
  – SIP home with blower door 2 ACH50 or less
  – SIPA installation checklist
SIPA Registered Master Builder

Hands-on Registered Master Builder Regional Training:

– Monday classroom session
– Tuesday at Vantem Panels
– Available regionally through the SIPschool
SIPA Registered Master Builder

Why become a SIPA Registered Master Builder?

– Market your company as a trained and qualified SIP installer
– Use of Registered Master Builder logo
– Added credibility
– Stand apart from the competition
SIPA Registered Master Builders

- Bridlewood Builders
- CS Neumeyer, Inc.
- Hall & Wright Builders
- Earthen Concepts & Development
- Erskin Construction
Registered Builder Award

• To the SIPA manufacturer who enrolls the most builders in the SIPA Registered Builder program, Master Builder program, or hands-on training

• 6 months free website advertising on www.sips.org ($600 value)
Registered Builder Award
ANSI/APA PRS-610

• Standard for Performance-Rated Structural Insulated Panels in Wall Applications

• Task Group held two webinars to review over 200 comments received on ballot #2 and resolved over 90% of the comments

• Several remaining issues to be resolved at third Task Group webinar on April 25

• Goal is to issue a full committee ballot # 3 in the summer of 2012
Seismic Testing

- Two studies recently:
  - Penn State University
  - University of California at Berkeley
- Summary of research in the Spring 2012 Issue of Wood Design Focus
- Issue devoted to SIPs
Seismic Testing – Penn State

Penn State Study

• *Feasibility Study To Quantify Seismic Performance Factors For Structural Insulated Panels Based On FEMA P695 Methodology*

• Shows that seismic performance factors similar to those for wood-framed walls can be developed for SIPs using the FEMA P695 Methodology

• Estimated cost of study to develop these seismic performance factors is $250,000
Seismic Testing - Berkeley

University of California at Berkeley Study

• *Seismic Performance of Energy Efficient Structural Insulated Panels*

• Results indicate that SIP walls perform very similarly to conventionally framed wood walls when subjected to a wide range of seismic events

• Study uses a pseudo-dynamic testing, which is less costly than traditional seismic testing. One additional test simulating a two-story building to be conducted

• Results should be helpful in securing additional funds for seismic testing of SIPS
Aspect Ratio Testing

• $70,000 in funding from Forest Products Lab
• Will conduct aspect ratio testing at NAHB Research Center
• Fall Board of Directors meeting to be held at Forest Products Lab in Madison, WI
New SIPA Logo

SIPA

Structural Insulated Panel Association
Website

- Redesigned July, 2011
- Features:
  - Enhanced member profiles
  - Members-only discussion groups
  - Integrated Google maps
AIA Continuing Education

New presentation: *Advanced Design with Structural Insulated Panels*

- 1:00 – 2:00 pm Basic
- 2:00 – 3:00 pm Advanced
- Today in Majestic A

- PowerPoints are available to all members
AIA Continuing Education

• SIPA members presented to 700 design professionals in 2011
• 1,200 additional users took the course online
• Get SIPs specified in commercial projects
Marketing Committee

• Conducting survey of members to identify barriers to using SIPs in multifamily construction

• Planned multifamily/commercial case studies:
  – Finn Hill School
  – Silvis School
  – Aeon Alliance
  – Assisted living facility
NYSERDA Retrofit Grant

• New York State Energy Research and Development Authority’s (NYSERDA) Deep Energy Retrofit Program
• SIPA + NAHB Research Center to conduct 3 retrofits using retrofit insulated panels
• Energy modeling before and after
• Develop best practices for NY builders
• SIPA part of lobbying coalition led by RESNET advocating federal tax incentives for energy-efficient homes
• SIPA meets regularly with a number of influential organizations, legislators, and government agencies
Proposed Federal Legislation

• SAVE Act
  – Modifies mortgage standards to include energy costs when determining a homebuyer’s debt-to-income ratio
  – Appraisals must consider energy efficiency

• HOMES Act
  – $2,000 - $8,000 rebates on energy-efficient retrofits
Proposed Federal Legislation

• Rural Energy Savings Program Act
  – Financing through USDA for energy-efficient retrofits for customers of rural utility cooperatives

• Expired tax credits
  – $2,000 builder tax credit
  – Homeowner tax credits on energy-efficient upgrades
Relationships

- **UK SIPS** - UK SIP Association
- **APA** - The Engineered Wood Association
- **EPSMA** - EPS Molders Association
- **FAS** - Federation of American Scientists
- **DOE** - U. S. Department of Energy
- **AIBD** - American Institute of Building Designers
- **Wood Works**
- **Forest Products Lab**
- **ORNL** - Oak Ridge National Laboratory
- **LBNL** - Lawrence Berkeley National Laboratory
- **HUD** – U.S. Department of Housing and Urban Development
- **RESNET**
- **Building America Teams**
- **EEBA** - Energy and Environmental Building Alliance
- **TFBC** - Timber Frame Business Council
International Builders’ Show

• Exhibited alongside other SIPA members
• 90 minute educational session on meeting new energy codes with SIPs
  – Online at nahb.org for AIA CE credits by subscription
  – Available at sips.org/ibs
SIPA Canada

• Conference call on March 7 to discuss the formation of SIPA Canada
• Goal: add SIPs to Canadian Building Code
Make It Right

- *Fine Homebuilding*
  April, 2012
- 150 homes in Lower Ninth Ward in New Orleans
- Transitioned from advanced framing to SIPs