



MONTEREY BAY CHAPTER - ICC

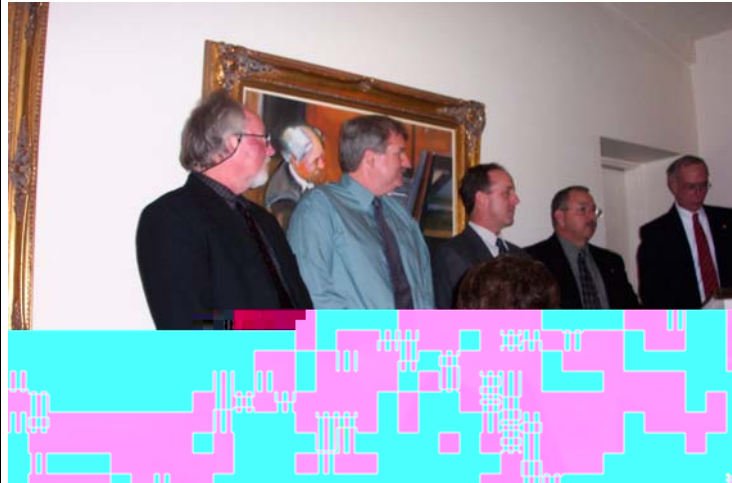
The **February** Meeting will be held Downstairs in the **Safari Room** @ The Bay Park Hotel.

The March Program Is currently scheduled to have a representative from **Uponor-Wirsbo** to discuss their

AQUASAFE Residential Fire Sprinkler Systems Products.

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Monterey Bay Chapter ICC Installs 2004 Officers

On January 30th the Monterey Bay Chapter of the ICC held it's annual Awards and Installation dinner at **Tarpeys Roadhouse** in the 1917 Ryan family ranch house. Special guests were CALBO Director **Sheila Lee** and ICC Director **Fred Herman**, who officiated the swearing in ceremony.

In attendance were approximately 50 Building Officials, wives and associates from the Santa Cruz, Monterey and San Benito Counties and several members represented the Builders Exchange.

New officers for 2004 are **Dick Stubendorff**, President; **Mike Stone**, Vice President; **J. D. Jones**, Secretary and **John Kuehl**, Treasurer. Special recognition awards for Building Official of the year was **Craig Oliver**; Industry person of the year was **Gwen Wells**, of the Builders Exchange of the Central Coast. **Mike Stone**, Rex Wyatt and **John LaTorra** received **Presidents Awards** for their contributions to our educational programs and fund raising efforts, and a special acknowledgement to all the wives who pulled the companions program, the Board of Directors dinner and the host rooms together, for the 2003 CALBO ABM. The event was enjoyed by all and our appreciation goes to out to the staff at Tarpeys who made it such a wonderful event.

www.tarpy's.com

Insulation and Heat Loss

Heat naturally flows from warm areas to cooler areas, regardless of direction. In winter, heat flows from the inside of a building to the outside. This flow of heat can never be stopped completely, but the rate at which it flows can be reduced by using materials which have a high resistance to heat flow. Heat is transferred in three distinct ways, any or all of which may be occurring at any given time!

Conduction - Conduction is the transfer of heat through a solid object. When one part of an object is heated, the molecules within it begin to move faster and more vigorously, when these molecules hit other molecules within the object they cause heat to be transferred through the entire object.

Convection - Convection is the transfer of heat by the movement of a fluid (water, air, etc.) Inside of a wall cavity, air removes heat from a warm interior wall, then circulates to the colder exterior wall where it loses the heat.

Radiation - Any object will radiate heat to cooler objects around it by giving off "heat waves". This is a direct transfer of heat from one object to another, without heating the air in between. This is the same process in which the Earth receives heat from the Sun or a wood stove supplies heat to its surroundings. Each building should have at least the minimum appropriate thermal barrier and moisture/vapor barriers. Recent articles and studies are showing that current minimums are just that.....minimums. Even on the Central Coast in zone 3, new recommendations push former R values up to the next level or two depending on the type of heating system the building has.

How does insulation work? Insulation is any material that **slows** or reduces the rate of heat flow from a warm area to a cooler one. The more the rate is slowed, the better the insulative qualities of the material. Its ability to resist heat flow is

measured as an R or RSI (metric) value, the higher the R - value, the more the material will resist the flow of heat. In order to be effective, insulation materials must be able to reduce the transfer of heat by conduction, convection and radiation, this is determined by both its physical properties and **installation!**

Choosing an insulation: The R - value is not the only consideration when choosing insulation, other factors that deserve consideration are the materials **fire, mold, insect, vermin and moisture resistant properties**, as well as its cost of the materials and ease of application or installation. Fiberglass has been the most popular because it is easy to install and readily available and it is probably the easiest to install **incorrectly**. Joints should be butted tight and taped. There should not be any gaps between the insulation and the plates and the foil or paper moisture barrier should be stapled over the stud and plates and not inside the stud or joist bay. The same with ceiling insulation. It should be continuous or tightly butted and taped at joints. It should be adequately attached to the joists and there should be no 'bunching' around wiring or stuffed into spaces that are too small. This maintains the integrity of the **Thermal barrier or Thermal Envelope**. An approved moisture/infiltration barrier may also be installed on the exterior, providing a **Vapor/Air Barrier or Vapor/Air Envelope**, (one perm or less). Penetrations through this barrier should be correctly lapped and sealed to prevent heat loss and especially moisture and air (under wind pressures) infiltration that would compromise the energy efficiency of the building. Without proper vertical convective airflow inside the wall cavity, insulation ceases to function correctly and has the potential of forming a Thermal Bridge, thereby directly transmitting heat or cold across the bridge. Typically, the GWB, wood stud, Exterior finish value is approximately R-4.

Blown in wool, cellulose and other materials and installed in place, foams and sheet foam (EIFS) have some popularity in different parts of the country and the new-comer on the market is ceramic bead paints. These **ceramic additives** been around for a few years and some boast additional fire resistive capabilities and improved 'R' values, "**Our ceramic coatings outperform 4" of foam insulation against heat gain.**" Exterior and interior applications might improve energy efficiency and reduce heat loss/gain. An argument could probably be made for a 'composite insulation assembly'. Flame spread ratings are minimal or non-existent or extremely low, but without further study and testing it's anybody's guess. In any case, the overall 'R' efficiency would have to be weighed against the environmental/production/materials/installation costs to determine the sustainability and effectiveness of ceramic energy/fire resistive products.

COMMON INSULATION INSTALLATION MISTAKES

Not providing for continuous air circulation between the roof, vents and insulation.

Neglecting to find out the most effective R-value for your area and insulating accordingly.

Not lapping vapor barrier over studs and plates.

Installing fiberglass batting with the paper (vapor barrier) side facing toward the outside.

Omitting a vapor barrier that prevents accumulation of moisture between the batting and the underside of the roof.

Puncturing the vapor barrier unnecessarily or neglecting to tape or seal tears, cut outs, penetrations or splices.

Using paper-faced batting against a heat source like chimneys, heating ducts, etc.

Neglecting to get into all of the small spaces and corners with the insulation.

Over stuffing small spaces and 'bunching'.

Covering eave vents with insulation, thereby cutting off ventilation.

Not ventilating attic spaces properly.

All exterior wall penetrations (Plumbing and Electrical penetrations)should all be tightly sealed and insulated.

<http://www2.cajun.net/~mrfoil/esainsuladdheatflow.html>

CHAPTER MEMBERSHIP DUES :

Please submit payment and your current contact information to John Kuehl, Treas., as soon as possible. For the currently low price of \$25.00 you can derive all the benefits of ICC meetings, code updates, interpretations, legislation discussions and learning about the Code Enforcement Industry.

"Not everything that can be counted counts, and not everything that counts can be counted."

Albert Einstein (1879-1955)

"Mad slanderers by mad ears believed be"

Shakespeare

MONTEREY BAY CHAPTER – ICBO/ICC

Meeting Minutes of January 2004

CALL TO ORDER

1.01 Pledge of Allegiance

1.02 Self Introductions

CHAPTER BUSINESS

2.01 Approval of the Minutes:

- S. Wheeler Made motion to approve the minutes of the December 2003 meeting. (Oliver). Minutes approved as written.

2.02 Unfinished Business:

- C. Oliver sent e-mail to CALBO with questions about clarification of CALBO request for legal funding. Our Chapters position is that we have intention of supporting CALBOs request upon explanation and reasonable purpose.

2.03 New Business:

- J. Villalpando & members discussed Chapter attendance. C. Oliver discussed use of Airport facility.
- D. Kostelec brought up possible alternate Chapter meeting locations and our commitment to the Bay Park Hotel. Kostelec made a Motion (Wells) to move meeting to Marina for trial period.
- Discussion ensued about how to increase attendance.
- Stubendorff and Wells suggested a letter to be sent to survey members and add legislation and bill proposal discussions to our program. Motion withdrawn in favor of outreach survey letter.
- J. Kuehl requested that we proceed with the formal name change to ICC from ICBO (and associated costs) and request for authorization of purchasing additional Chapter checks.
- Kostelec suggested outside purchase of checks.
- D. Rick motioned for approval of purchase of new checks. (Oliver).
- D.Rick motioned to change bank records of Chapter name to ICC from ICBO. (Wells).
- Both Motions are approved unanimously.
- C. Oliver & D. Stubendorff will coordinate new letterhead & envelopes.

2.04 Treasurers Report:

- J. Kuehl gave the Treasurers Report.
- C. Oliver noted that \$3,000.00 has been earmarked for a Chapter CALBO ABM Committee event.

COMMITTEE REPORTS

3.01 Code Change:

- D. Kostelec presented copies of the Public comment Hearings on Revisions to the 2003/2004 ICC Codes noting that the Peninsula Chapter "Approved" or "Approved as Modified" several of the proposed revisions. It was agreed that the Peninsula Chapter had conscientiously examined the public comments and had modified them to what our Chapter would considered to be acceptable and that our Chapter is in support of modifications as submitted by the Peninsula Chapter of ICC. Discussion was continued to PROGRAM.
- C.Oliver, D. Kostelec discussed sending a member of our Chapter to the ICC Spring (Quarterly) meeting in Overland Park, Kansas on May 16-20.

3.02 Legislation:

- J. Villalpando said that we needed someone to continue research for the legislation committee.
- R. Adame requested committee chair position for Legislation & AB research and report to chapter.
- Disabled access for Dwelling Units law was mentioned for further research.

3.03 Special Inspection:

- D. Rick stated that there have been changes to the Special Inspection Agency List and indicated that the latest APPROVED list is posted on the Chapter Web Site. He also said that some agencies are no longer 'recognized' because they don't meet current Special Inspection Committee standards.

- D. Rick suggested procedures for checking Special Inspectors Credentials. He explained that there may be interagency cooperation with regard to 'local' (in the area) testing labs for some test materials as well as identifying qualified inspectors.
- D. Kostelec pointed out the importance of verification of credentials.

3.04 Membership and Honors:

- Stubendorff stated that the Chapter Installation dinner is on the 30th of January at Tarpeys. He also passed around a letter with a photo of D. Pasquinelli, (Ret.).
- G. Wells handed out a flyer and invited Chapters members for the Builders Exchange of the Central Coast Annual Crab Feed Dinner.
- G. Wells submitted applications for three Construction Industry members for our Chapter.

3.05 IAEL:

- M. Stone discussed the coordination of a statewide adoption of an AFCI enforcement policy. He also discussed Art. 80, (new article) def., and related requirements for electrical inspectors that would have to be adopted under special procedures. The date of 2002 adoption is still undetermined.
- D. Chandler passed an AFCI testing unit to be examined.

3.07 Education:

- D. Stubendorff requested information and research on Mandatory Disabled Access for Multiple Family Housing.
- C. Oliver presented a flyer on a seminar for Disabled Access (Feb. 4-5).
- D. Stubendorff discussed accessible showers and units that would make units 'adaptable'.
- J. Villalando addressed the increase of Senior Care Facilities and suggested we study this matter.
- M. Stone is somewhat familiar with OSHPD III requirements and offered assistance.
- D. Stubendorff stated that San Jose has a web site with a checklist that has information on Accessible Requirements.

4.0 OTHER REPORTS

4.01 CALBO

- D. Stubendorff presented copies of and read a letter from S. Lee from the Jan. 7, 2004 CBSC hearing.
- D. Stubendorff presented copies of a paper prepared by John LaTorra, Redwood City, and addressed to (6) different agencies and persons in Sacramento, discussing the adoption of the plumbing and mechanical codes and with regard to the adoption (and expressing support of) the International Codes.

4.02 ICC

- None.

4.03 Code Discussion:

- Private property ramp that abuts with a sloped public sidewalk. Landing adjustment, Encroachment permit, modify public sidewalk if possible, etc.
- R. Lee Passed out Tri-Chapter Uniform Code Adoption and Interpretation Program regarding the operation of residential egress window (multiple latch) devices (Single operation? 48" AFF Max.). Chapter opinion is that this should not be a local decision and that we are currently in favor of opposing support for local adoption or policy and in support of an ICC Code Change.
- D. Kostelec, motion to oppose. (D.Rick,), Motion passed unanimously.
- M. Stone, AFCI asked for program suggestions.
- J. Villalando suggested that we have a discussion about jurisdiction budgets.

5.0 PROGRAM

D. Kostelec Discussion was continued regarding the handout on the Peninsulas Chapter analysis of the Public Comments on the 2003/2004 "Report of the Public Hearings" Code Change/modifications.

MEETING ADJOURNED

MONTEREY BAY CHAPTER—ICC AGENDA

February 19, 2004 @ 11:00 a.m.

Bay Park Hotel, Monterey

1.0 Call to Order

- 1.01 Pledge of Allegiance
- 1.02 Self- Introductions

2.0 Chapter Business

- 2.01 Approval of Minutes
- 2.03 Unfinished Business
- 2.03 New Business
- 2.04 Treasurers Report

3.0 Committee Reports

- 3.01 Code Change
- 3.02 Legislation
- 3.03 Special Inspection
- 3.04 Membership & Honors
- 3.05 IAEI
- 3.06 Education

4.0 Other Reports

- 4.01 CALBO
- 4.02 ICC
- 4.03 Code Discussion
- 4.04 Misc.

Lunch \$15.00

5.0 Program

OSHPD 3 Presentation
Sacramento County

Chemical Precursors to some Insulation Materials

With some insulation materials, there are industrial processes that result in non-energy-related pollution. To manufacture isocyanate, a precursor of polyisocyanurate and polyurethane insulation, two chlorine-based chemical intermediates are used: phosgene and propylene chlorohydrins. Citing pollution problems, a number of environmental groups, including Greenpeace, are calling for the phase-out of certain industrial uses of chlorine (see EBN Vol. 3, No. 1).

The styrene used in polystyrene insulation is identified by EPA as a possible carcinogen, mutagen, chronic toxin, and environmental toxin. Further, it is produced from benzene, another chemical with both environmental and health concerns.



MONTEREY BAY CHAPTER

MEETING ATTENDANCE FOR JANUARY 2004

Rafael Adame.....	City of Watsonville
Douglas Rick.....	City of Pacific Grove
Dick Stubendorff.....	City of Santa Cruz
Daniel Kostelec.....	City of Capitola
Gwen Wells.....	Builders Exchange of the Central Coast
Craig Oliver.....	City of Marina
Carl Henn.....	Santa Cruz/Seaside Company
Reggie Lee.....	City of Salinas
Mike Stone.....	City of Salinas
John Villalpando.....	City of Monterey
John Kuehl.....	City of Monterey
J.D. Jones.....	Development Consultants
Stanley Wheeler.....	LP2A
Dave Chandler.....	COG Consultants

Posted on Tue, Jan. 06, 2004

Fire officials want to have sprinklers in new buildings

By VICTORIA MANLEY

vmanley@montereyherald.com

If you're planning to build a home in Monterey, you ought to be thinking about fire sprinklers. That also goes for anyone planning to make serious renovations to their homes or businesses. The Monterey Fire Department is proposing an ordinance that would require automatic fire sprinklers in all new buildings -- single-family homes and duplexes included -- and any other buildings undergoing major renovations. A looser rule already exists requiring sprinklers in any structure of more than 5,000 square feet or at least three stories high, but fire officials say they want stricter requirements. Similar rules already exist on all the Monterey Peninsula cities but Seaside, as well as in most unincorporated areas of Monterey County. "The technology and the affordability is there," said Rick Rodewald, Monterey's fire marshal. He added, "We feel it's time to catch up with our neighboring communities."

Rodewald surveyed local contractors for cost estimates on a 2,015-square-foot house. To install the devices into a brand new house, it could cost the builder between \$2,730 and \$3,620, he found. For an owner making renovations, it could cost between \$3,250 and \$4,000. "Do they provide safety? Of course they do. But it also adds an extra cost," said Sandy Haney, executive director of the county Association of Realtors. "It adds cost not only to the homeowner but to the buyer."

For the complete article go to: <http://www.montereyherald.com/mld/montereyherald/news/local/7643570>.

This article was found in: <http://www.firesprinkler.org/>

MONTEREY BAY CHAPTER ICC ANNOUNCEMENTS

Meetings/Events

March 18, 2004
Chapter Meeting
BPH, Downstairs?

April 15, 2004
Chapter Meeting
BPH, Upstairs?

CALBO

2004 Annual Business Meeting
@ The Long Beach Hilton
March 9-12

NAHB's National Green Building Conference
Austin, Texas, March 14-16, 2004.
Hilton Austin Hotel and
Convention Center

ASHRAE IAQ 2004
Tampa, FL, March 15-17

WWPA ANNUAL MEETING
WESTIN ST. FRANCIS HOTEL
San Francisco, March 20-23

BUILDING SAFETY WEEK

APRIL 4-10

[Http://www.iccsafe.org/consumer/](http://www.iccsafe.org/consumer/)

Solar Electric Home Power Festival

April 8-10 2004 Arcata, CA
Humbolt State University

ICC Quarterly Spring Meeting
Overland Park Sheraton, Kansas,
May 16-20

SEAO C CONVENTION
@ the DOUBLE TREE HOTEL
MONTEREY, CA. AUG 24-28

March 18th Program

Scheduled are: Bill Schwartz or Chris Gillespie from the Osborne Company, Inc. and Pat Coughlin Manufacturers Representative from **Uponor-Wirsbo**. They will be presenting their **Aquasafe Residential Fire Sprinkling System**, with the advantages of this type of system in Residential remodeling and new construction. **Be sure to tell your Fire Chief/Officer/Inspector about this program and maybe invite them to lunch.**

NEW MEMBERS

The Monterey Bay Chapter of the ICC wishes to recognize our new Industry members, **Judy DiFranco, Burkleo Roofing; Bill Sullivan, San Lorenzo Lumber; William A. Thayer, William A. Thayer Construction Company and Bruce Thomas, California Coastal Insulation.**

Please visit the **Builders Exchange of the Central Coast** website at <http://www.montereybx.com/> Or access it from our website at <http://www.icbomontereybay.org/>

◆ KNOW 'DA LINGO

Fiddle Block. Block consisting of two sheaves in the same plane held in place by the same cheek plates.

Rodent Control. Contracted professional control of rodents which are usually attracted by food brought to the job by the workers.

Fungi. Decay is caused by microorganisms. These are fungi of the wood-destroying type, a form of parasitic plant life to which unprotected wood is the host and the food supply. Wood-destroying fungi feed on cellulose or lignin, or both. Brown rot fungi feed on cellulose, leaving the brown lignin as residue, while the white rot fungi feed on the lignin.

Merullius lacrymans. Fungus that commonly accompanies dry rot.

The Monterey Bay **Chapter News** will continue to be published and distributed by: Gwen Wells & written by J.D. Jones. If you wish to comment about, contribute to, or insert notices in the Newsletter, please contact us @ (jjones@ci.marina.ca.us)