

**State of Oregon
Final**

Agenda Item I.D.

Residential Structures Board

Rescheduled board meeting minutes

October 3, 2007

Members present: Ray Miller, Chairman
Darryl Bishop
Phil Damiano
Mike Goodrich
Kathryn Gray
Douglas Lethin

Members absent: David DeHarpport, Vice-chair
Scott Caufield

Staff present: Mark Long, administrator
Andrea Simmons, policy and technical services manager
Richard Rogers, structural program chief
Mike Ewert, code specialist
Celina Patterson, policy analyst
Heidi Shamberger, para-technical specialist
Julie Waters, manager's assistant
Debi Barnes-Woods, boards coordinator

Guests present: Patrick Bridges, Chairman, Residential Code Review Committee
Eric McMullen, Oregon Fire Marshal's Association
Alan Seymour, Oregon Department of Energy (ODOE)
Brady Peeks, Oregon Department of Energy
John Caul, deputy state fire marshal
Ron Murray, UA 290
Tari Glocar, Oregon State Fire Marshals office
Pat Carroll, Oregon State Fire Marshals office
Laura Butterfield, NWPGA

I. Board business

A. Call to order

Chairman Ray Miller called the Residential Structures Board meeting to order at 9:30 a.m. The meeting was held at the Building Codes Division, Conference Room A, 1535 Edgewater Street NW, Salem, Oregon.

B. Roll call

Vice-Chairman David DeHarpport and Scott Caufield were absent, excused.

C. Approval of agenda and order of business

Chairman Miller **RULED** the agenda and order of business approved.

D. Approval of the September 25, 2007 board meeting minutes

Chairman Miller **RULED** the minutes of September 25, 2007 approved.

E. Date of the next meetings

December 11, 2007

II. Public comment - None

III. Reports - None

IV. Communications - None

V. Appeals – None

VI. Unfinished business

A. Board review of additional language relating to the energy provisions contained in Chapter 11 for inclusion in the 2008 Low-Rise Residential Dwelling Code

Before the discussion began on Chapter 11, Patrick Bridges, Chairman of the Residential Code Review Committee, and Eric McMullen, Oregon Fire Marshal's Association report that the two associations are working together to come-up with solutions related to residential fire sprinklers.

Alan Seymour, Oregon Department of Energy (ODOE) reviewed the changes in green included in the board packet for Chapter 11, Energy Efficiency. Mr. Seymour noted that on page 1, N1101.1 General, exceptions were added clarifying the application to existing buildings.

Page 1, N01.3 Additions, a new exception was added after discussion with industry that anything 13,000 ft. or larger is limited to a 400 ft exemption, anything under that size is 30 percent.

Page 2, Table N1101.1(1) footnote j., the last sentence was added explaining how to accommodate passive solar homes.

Page 3, Table N1101.1(2), a discussion took place at the September 25 meeting pertaining to lamp fixtures. The proposed language now reads: "50 percent of permanently installed fixtures." The word "lamps" was deleted from the language.

Page 6, N1104.1(1) adds language that clarifies how to accommodate passive solar homes.

Page 16, N1107.2 High-efficiency lighting systems. The word “lamps” was deleted from the first sentence. The last sentence was also added for clarification: “Screw-in compact fluorescent lamps comply with this requirement.”

Brady Peeks, Oregon Department of Energy, responded to written testimony received from [Dwight Sheldon, Demilec \(USA\) LLC](#). His written testimony addressed the codes treatment of air-infiltration in residential structures. The Oregon Department of Energy is currently in the process of designing a high performance home, tax credit for the State of Oregon, which the ODE is able to address the air tightness of the building shell and appreciate ventilation measures that recaptures the heated energy that the system is exhausting. Through the tax credit programs, the department of energy will be able to conduct adequate case-studies to incorporate into the code in coming years.

Motion by Kathryn Gray to put Chapter 11 with the additional language pertaining to the energy provision included in the October 3 board packet and discussed by the Oregon Department of Energy and to exclude the written testimony received from Demilec (USA) LLC based on the input from the department of energy.

Motion carried unanimously

B. Board review of additional language relating to exhaust system requirements contained in Chapter 15 for inclusion in the 2008 Low-Rise Residential Dwelling Code

Mr. Ewert said that the division shared the proposed language to Section M1503 and M1507 with the Residential Code Review Committee. Changes are being proposed based on additional research.

The sound rating for continuous ventilation fans in M1507.3.1.1 was changed for sound at a maximum of 1.0 sone, and in M1507.3.1.2 Intermittent fans shall be rated for sound at a maximum of 3 sone.

Table M1507.3 Exhaust rates for residential dwellings added “(Static pressure shall be rated @ 0.25 water gauge for intermittent fans)” The new language coincides with the addition of table M1507.4 prescriptive exhaust duct sizing.

Mr. Peeks, Oregon Department of Energy, noted that a fan with a higher rating, when put in continuous operation, will get turned-off by the occupant. By working with industry to get to a maximum of 1.0 sone, homeowner use has increased.

Alan Seymour, Oregon Department of Energy said that in M1507.3.1.1 there should be an exemption for remote mounted exhaust fans.

Motion by Darryl Bishop to add remotely installed fans that are at least 4 feet away from the inlet grill are exempt from the sone rating requirements of M1507.3.1.1 and M1507.3.1.2.

Motion carried unanimously

Motion by Darryl Bishop to defer Section M1507 Mechanical ventilation to the December 11, 2007 board meeting.

Manager Simmons noted that by deferring M1507.4 to the December 11, 2007 board meeting will delay the adoption process. By taking no action on Chapter 15 and deferring it to the December board meeting, the division would not be able to file on October 15 for public hearing in November for the mechanical and structural provisions. The effective date of the code would then be July or October of 2008.

Original motion by Darryl Bishop to defer Section M1507 Mechanical ventilation to the December 11, 2007 board meeting removed by Darryl Bishop.

Motion by Phil Damiano to amend Table M1507.3 under Bathrooms - Toilet Rooms that the static pressure shall be rated @ .1 inch water gauge for intermittent fans that Table M1507.4 be amended to read fan tested CFM at .1 inch water gauge and that all the values in M1507.4 in the prescriptive exhaust duct size remain the same.

Motion carried unanimously

Motion by Darryl Bishop to move the two items that the board took action on and Chapter 15 to the consent agenda.

Motion carried unanimously

C. Board approves the residential structural and mechanical provisions of the 2008 Oregon Low-Rise Residential Dwelling Code for adoption

Chairman Miller explained that at the previous board meeting, “no action items” listed on the Oregon Residential Specialty Code – Code Amendment Action Matrix needs to be removed because no action was taken at the Residential Code Committee.

Motion by Douglas Lethin to remove code proposal number 1 from the “General” section of the matrix, Chapter 6 code proposals number 23, 25, 26, 27, 29, 30, 31, and 33 because the proponents did not come to the committee meetings to offer testimony for or against these proposals. No action was taken at the committee level.

Motion carried unanimously

Motion by Kathryn Gray to remove all the item from the consent agenda marked “no action taken” on the matrix because without a recommendation from the committee and without public input on these proposals, there has not been an adequate review process to establish the need for these proposals.

Motion carried unanimously

Chair Miller noted that in Chapter 7 R703.1 was pulled for discussion at the previous board meeting.

Mike Goodrich stated that since then [written testimony](#) has been received from the International Code Council (ICC) as background and an interpretation, therefore returning it to the consent agenda is acceptable.

Motion by Mike Goodrich to move section R703.1 in Chapter 7 to the consent agenda based on background information received from ICC.

Motion carried unanimously

Motion by Darryl Bishop to defer Appendix P to the December 11 board meeting because the two associations: Oregon Fire Marshal’s and Oregon Home Builders Association have not come to an agreement.

Motion carried unanimously

Motion by Kathryn Gray to approve the residential structural and mechanical provisions of the 2008 Oregon Low-Rise Residential Dwelling Code for adoption with the finding that the added cost, if any, is necessary to the health and safety of the occupants or the public or necessary to conserve scarce resources.

Motion carried unanimously

VII. New business - None

VIII. Announcements - None

IX. Adjournment

Chairman Ray Miller adjourned the board meeting at 12:05 p.m.

Respectfully submitted by,

Debi Barnes-Woods
Division Boards Coordinator