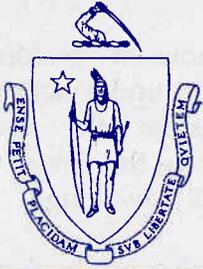


The Commonwealth of Massachusetts State Board of Building Regulations and Standards



CODEWORD

April, 1995

WILLIAM F. WELD
GOVERNOR

KATHLEEN M. O'TOOLE
SECRETARY

THOMAS L. ROGERS
ADMINISTRATOR

UNIFORMITY OF ENFORCEMENT

BY ROB ANDERSON

Chapter 802 of the Acts of 1972, as amended, in conjunction with Massachusetts General Law (MGL); c 143 §§ 93 - 100, legally empowered the Board of Building Regulations and Standards (the Board) to produce a document to be called *the State Building Code* (the code).

The code establishes **uniform** standards pertaining to structural and life safety issues for the construction and alteration of *all* buildings and structures in the Commonwealth. The first edition of the code came into effect on January 1, 1975. The current (fifth) edition has been in effect since September 14, 1990.

The code is a *legal document* and must be enforced fairly and uniformly in each municipality.

Prior to the implementation of the code, every city and town operated under a different set of building regulations. A building that was erected legally in one town may have been totally illegal in another. Obviously, this caused great confusion for all involved in building construction and design during this period.

Fortunately, today (and for the past twenty, some years) one is not faced with such conflicting regulatory language; or is he?

Since the code is a "living" document (i.e.; it changes as technology progresses), its contents are often open to debate and interpretation. It is intended that the language of the code is clear and easily enforced, but, it is also recognized that, at times, a particular provision may appear to defy logic.

Authorized to enforce the code, a municipal building official has the right to interpret (but not vary) provisions of the code. At times, this can lead to inconsistency, since all officials may not necessarily interpret the same section in the same manner. To avoid this, the Board encourages interaction among municipal inspectors, both through meetings of the three building officials associations, and through meetings of the District State Inspectors.

It is important to keep the lines of communication open within these forums, and to encourage the participation of all inspectors, at all levels. If a particular section (or sections) of the code proves troublesome, each group is encouraged to pursue instituting a code change by filing a *code change proposal* (forms are available at the Office of the Board). Through this process a change is considered at a public hearing and voted on by the full Board. Often, the code is significantly improved by a simple suggestion set forth through this process.

The Board of Building Regulations and Standards is committed to working with each of the building officials associations and each District State Inspector to bring quality education to every building official in the Commonwealth. The seminar schedule illustrated further on in this document is evidence of this commitment. Through education it the board's goal is to ensure that the provisions of the code are understood and are equitably enforced across the state. Like technology, our thought process should advance with the passage of time; it should not return to the ways of the past.

Reportedly, a popular phrase prior to the enactment of the building code was: "I don't care how they do it in that town, that's not the way we do it here". This statement is very intimidating and extremely confusing to the person standing on the other side of the counter in the building department. If nothing else, we hope the adoption of a uniform code has eliminated this phrase from the vocabulary of municipal building officials. Working together, we may be able to eliminate the confusion that leads to such a response.

Understanding the *true intent* of the code ensures better service to all who use it and all who are governed by its provisions.

*"If an opinion is general, it is usually correct."
Jane Austen (1775-1817), English Novelist*

UNDERSTANDING EVALUATION REPORTS

BY BRIAN GORE, PE

Now that we have examined the intent of the state building code, it is time to look at a second issue. What happens when the code does not provide explicit guidance on a particular issue.

In general, building codes specify either *performance* or *prescriptive* criteria which must be met when designing or constructing a building, building component or building system.

Prescriptive provisions dictate exact requirements which must be met. An example of a *prescriptive* requirement is identified in Table 3405-6, where the

minimum dimensions for a column footing are stated (or *prescribed*) as 30" by 30" by 10" deep.

Performance criteria specify how a building component or system must behave under defined conditions. For example, consider the code *performance* requirements governing the design of a floor joist for use in a single-family dwelling.

Floor joists (a common *sawn lumber* product) are required to *perform*, such that the bending stresses and deflections do not exceed the prescribed safe limits for a given span and a given loading condition.

Tables 3403-8 (A through D) of the *One- and Two-Family Dwelling Code*, show values for allowable bending stress for floor joists, identified as *F_b* in the tables, and for the modulus of elasticity, identified as *E*. These values are given for every lumber grade and species. Once the grade and species of lumber have been selected, the allowable bending stress can be identified. It then becomes relatively simple to select a floor joist size from the appropriate table. Completing this exercise ensures that the code's *performance* criteria relating to limits on maximum bending stress and maximum deflection are satisfied.

Laminated lumber, such as parallam® is a common alternative to a sawn lumber product. Parallam® has higher allowable bending stresses and *E* values than most commonly available sawn lumber products and can therefore be used on larger spans than sawn lumber of equal size.

Tables 3403-8 (A through D) do not include values for allowable stresses or modulus of elasticity for laminated lumber. How then, does a building official approve the use of this (or any other) material not specifically defined in the code? And, how does the building official assure that the material *performs* to the code requirements?

In such an instance, the building official may accept either a *BOCA ES "Evaluation Report"* or a *National Evaluation Service, "National Evaluation Report" (NER)*, in accordance with administrative procedures identified in Sections

110.5 and 1301.1 of the code. It is important to remember that neither the *BOCA ES* report nor the *NER* report constitute an approval of a building material, component or system. Rather, it provides the building official or other code user with an objective, third party analysis specific to the requirements of the BOCA National Building Code. Consequently, each report is a valuable tool for use in the review process for building code compliance.

The manufacturers of parallam® have submitted a report to the National Evaluation Service, Inc., for examination in which they have evaluated the product for conformance to the BOCA National building code. *NER-292* is enclosed with this document, for reference. It is important to note that the date of this report is May 1, 1993. The report is subject to re-examination in one year (i.e. April 30, 1994). This report illustrates the need for the official also ensure that the report is current. This particular report is enclosed as for illustrative purposes only and, should not be considered to be acceptable to the building official since it is outdated.

NER-292 is structured as follows (reference *NER-292*):

Name: of the product and the property for which the evaluation is sought (in this report, evaluations are sought for structural use and Fire resistive construction - this article limits discussions to structural).

Description: of the product, including material properties.

Installation: Structural calculations and drawings shall be made available to the Building Official. (Note that the material shall be installed in accordance with *NER-292*).

Identification: Labeling of material and reference to *NER-292*.

Evidence Submitted: test lab reports, engineering calculations, etc. (to allow the National Evaluation Service to adequately review)

Conditions of Use: Note that condition number two in *NER-292* allows the building official to require a Registered Design Professional ⁽¹⁾ to prepare and seal the design using this product. Products such as parallam® are engineered products which require engineering judgment in their design, selection and use. They are not prescriptively addressed in the State Building Code, in the BOCA National Building Code, nor in the CABO One and Two Family Dwelling Code.

Also, it is important to note that the report shows that the material satisfies the requirements of either the BOCA or CABO Codes - the material may not necessarily satisfy the requirements of the Massachusetts State Building Code.

NER-292 has been reproduced by kind permission of the *National Evaluation Service, Inc.*

Footnote:

(1) 780 CMR 113.7 is the authority by which a building official may require adequate details of structural work be provided with an application to perform work on any building. Said section is consistent with MGL c 112 §§ 81D-81T in requiring such details and computations be performed by a registered professional engineer(or architect).

ALL THINGS - CERTIFICATION

ALL ARTICLES ON CERTIFICATION

BY ROB ANDERSON

THE FIRST YEAR

The legislation requiring certification of building code enforcement officials became effective on November 12, 1992, by the enactment of Chapter 168 of the Acts of 1992.

Following this date, there was a period of time during which the Board (through its *Standing Certification Committee*) was absorbed in writing regulations (780 CMR-7); reviewing applications for certification under the grandfather clause; issuing certificates and; accrediting course material. These time consuming procedures occupied over a year of the Board's time. In fact, much of the work continues today, and will continue for the life of the program. Therefore, the period between January 1, 1994 and December 31, 1994 marked the

first full year during which the program was in full force and effect. It also marked the beginning of the first three (3) year education cycle for those who were certified under the provisions of the grandfather clause.

The program has made great strides. As of the date of this publication, the Board has certified a total of 653 building code enforcement officials, 630 through the grandfather clause and 23 through the examination process. Forty-three (43) other officials are in the process of becoming certified through the examination process.

The Board is extremely encouraged by this progress, and wishes to thank the members of the *Standing Certification Committee* for their efforts, and all others who have helped with the program's success.

OF NOTE

The Board wishes to recognize Mr. Robert (Bob) Bersani, Building Commissioner for the City of Cambridge, as the first in a class.

Bob was appointed to the position of Building Commissioner for the city on March 15, 1993. Since Bob was not in office on November 12, 1992, he was not eligible for certification under the provisions of the grandfather clause. Consequently, he had to gain his certification by examination. By November, 1993, Bob had taken and passed all examinations required of him to become certified as an *Inspector of Buildings\Building Commissioner*, the highest category recognized by law.

This accomplishment distinguishes Bob as the *first* conditional appointee (as identified in 780 CMR-7, s 1.7) to brave the *entire* examination process. The fact that he was able to do so within eight months (leaving ten months to spare) makes his achievement more outstanding.

We wish to congratulate Bob for his work, and wish him much success in all future endeavors in his role as a *certified building code enforcement official*.

ALSO OF NOTE

Although Bob was the first *conditional appointee* to complete the *entire* examination process, others have taken part or all of the exams necessary to become certified for the first time, or to upgrade their level of certification status. In future issues of *CODEWORD*, we will recognize individual achievements. For now, the Board wishes to, collectively, acknowledge the efforts of these dedicated professionals, and wishes to encourage others to follow suit.

REPORT OF A CONDITIONAL APPOINTEE

The previous article mentions the term, *conditional appointee*. Hopefully, this term is familiar to all; but just in case, we will repeat its definition.

Simply put, a *conditional appointee* is a *qualified* individual who has been appointed to fill the position of municipal *Inspector of Buildings\Building Commissioner or Local Inspector*, but who is not certified. 780 CMR-7, the *Rules and Regulations for the Certification of Inspectors of Buildings, Building Commissioners and Local Inspectors* defines the term more specifically, and instructs the reader as to the duty of the appointee as well as to the duty of the local appointing authority.

Section 1.7.1 of 780 CMR-7 states, in part, that "After November 12, 1992, no individual shall be permanently appointed to the position of inspector of buildings, building commissioner or local inspector . . . unless that individual has been deemed qualified and certified . . . by the Standing Certification Committee".

Also, Section 1.7.2 states "Immediately upon the appointment of an inspector of buildings, building commissioner or local inspector, the appointing authority shall notify the BBRS [Board of Building Regulations and Standards] in writing on forms provided for such purpose of the name of the appointee, the appointed position and the date of appointment". Section 1.7.5.1 establishes further criteria for the conditional appointee (refer to document). The reason one must report the appointment of a conditional appointee to the BBRS, is twofold.

First, although it is ultimately the responsibility of the appointing authority at the municipal level to ensure that an individual meets the minimum qualifications defined by Massachusetts General Law (MGL) c 143 § 3 *prior to* appointing a person to the position of building code enforcement official, the BBRS also bears the responsibility of certifying these credentials. Therefore, the Board *must* be informed of each conditional appointee in order to verify that his\her qualifications meet the minimum required by law.

Second, a conditional appointee must attain certification by exam within eighteen months of his\her date of appointment. The date of appointment serves as the start of this cycle.

The Board requires each municipality to report the appointment of all new building code enforcement officials on "*forms provided for such purpose*". On February 28th, the Board forwarded a copy of the *Standing Certification Committee's New Employee Report* to the office of each and every city and town clerk. An additional copy is attached to this document (building officials, only). Please maintain a supply at the office of the building department for use in the future.

BBRS SPONSORED SEMINARS OFFERED IN 1995

NOTE: Except for the course identified as *Joint Fire\Bldg. Officials* training in the Table 2, these courses are *only* available to *certified building code enforcement officials* or *conditional appointees*.

The *Standing Certification Committee's Policy for Maintenance of Certification Status* defines exactly how one *must* preserve his\her certification. Part 2 of this document identifies acceptable continuing education. Point 1, under this section defines education sponsored by the Board of Building Regulations and Standards. The Board was unsuccessful in meeting its obligation for education credit in calendar year 1994; but is determined to fulfill its duty for 1995. To this end, the Board has developed a schedule of events. The schedule identifies two types of courses of education.

The first type, identified in *Table 1*, is a course and\or seminar sponsored by the Board, that is presented at each of the municipal building officials associations. Any certified building code enforcement official or conditional appointee wishing to attend an association seminar *registers directly through the association*. (These offerings began on March 30, 1995 and continue as identified. Other courses may be offered as the year progresses.)

The second type, identified in *Table 2*, is a course and\or seminar sponsored *and* presented by the Board, generally in at least four locations statewide. Each certified building code enforcement official or conditional appointee shall receive a registration form for these seminars at least one month in advance of the scheduled date. The registration form will identify date, time and location of each seminar.

(A registration form for the *ATC 20 Training* was forwarded to all eligible parties on March 29, 1995.)

BOARD SPONSORED EDUCATION PRESENTED AT THE ASSOCIATIONS

Education sponsored by the Board and offered through the associations is identified in the *Table 1*. The topic of this seminar is *Section 127.0*, of the Fifth Edition of the building code, titled; *Construction Control*.

Certified building code enforcement officials and conditional appointees wishing to attend such seminars *register through the associations*. Please *do not* attempt to register through the Office of the Board.

HOW ARE YOU MEASURING UP ?

Included in this issue is the BBRS record of all certified building officials' individual hours of continuing education credit **through December 31, 1994**. Should you find any discrepancies between the BBRS records and your own, please write the Certification Committee.

TABLE 1 - BOARD SPONSORED EDUCATION - PRESENTED AT THE ASSOCIATIONS - 1995

<u>Date</u>	<u>Location</u>	<u>Association</u>
March 30 th	Kitty's, North Reading	Mass Bldg. Commissioners and Inspectors Association (MBCIA)
April 12 th	Christos II, Brockton	Southeastern Mass. Bldg. Officials (SEMBOA)
April 19 th	Heidi's Restaurant S. Hadley	Building Officials of Western Mass. (BOWM)

Notes On Table:

1. This seminar is assigned two and one-half contact hours (2½) of credit.

EDUCATION SPONSORED AND DELIVERED BY THE BOARD

Education sponsored and delivered by the Board is identified in the *Table 2*, below. Exact dates and locations will be announced for the September and November seminars. Registration forms for these seminars will be forwarded to all eligible parties approximately one (1) month in advance of the seminar. (A registration for the *ATC 20 Training*, was forwarded to all eligible parties on March 29, 1995.)

TABLE 2 - BOARD SPONSORED AND DELIVERED EDUCATION - 1995

<u>Month</u>	<u>Length</u>	<u>Location</u>	<u>Topic</u>
April\May	Full Day	See registration form	ATC 20 ² Training
September	Full Day	To be announced ¹	HIC and Other Regs. ³
November	Full Day	To be announced ¹	Joint Fire\Bldg. Official ⁴

Notes On Table:

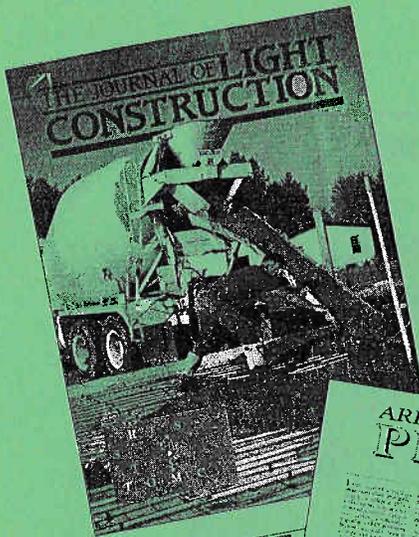
1. Each course will be offered in at least four (4) different locations, covering the same material. Dates and locations shall be announced on the registration forms.
2. ATC 20 Training is intended to set guidelines and procedures for post earthquake safety evaluation of buildings and structures. The event is sponsored, jointly by the Board and the Massachusetts Emergency Management Agency (MEMA). Attendees of the course may choose to be deputized by MEMA for service in the event of a seismic disaster. This seminar has been assigned seven and one-half contact hours (7½) of credit
3. HIC and Other Regs. will focus on the proper implementation and enforcement of the Home Improvement Contractors Registration Program and the other six (6) special regulations made part of the code (780 CMR-1 - 7).
4. Joint Fire\Bldg. Official will be conducted for the benefit of both fire and building officials who inspect buildings and structures for matters of life safety. The course will focus on egress requirements of the code (780 CMR).

OTHER COURSES APPROVED BY THE STANDING CERTIFICATION COMMITTEE

The July, 1994 issue of *CODEWORD* (pages 9 & 10) identified courses and seminars approved for credit by the *Standing Certification Committee* up to June, 1994. *Table 3* is a list of courses and seminars approved from June, 1994 to March, 1995. Once a course or seminar is approved by the committee, the contact hour value applies, regardless of where or when the course is taken, as long as the course material does not change significantly.

A message from the Chief of Inspections:

Oftentimes the BBRS staff comes across a publication which proves to be both interesting and informative. The *Journal of Light Construction* falls into this category. In an effort to inform you of such resources, I have enclosed a trial subscription form for your perusal. Please note that this message does not constitute an endorsement of this particular publication, nor should the message be construed as a direction to purchase a subscription.



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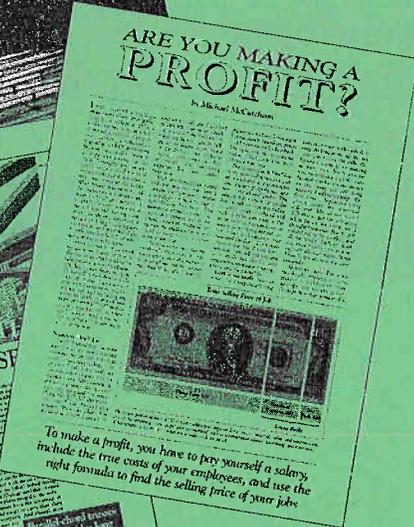
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Please Answer the Questions Below to Help us Better Serve Your Needs.

- A. Indicate your primary occupation:**
(Check one only)
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 2. Remodeler
 3. Builder/Remodeler
 4. General Contractor
 5. Architect/Designer
 6. Engineer/Consultant/Home Inspector
 7. Subcontractor
 8. Building Materials Dealer/Distributor
 9. Other (please specify) _____

- B. What is your job function?**
1. Owner, Partner or Principal
 2. Project Manager or Construction Superintendent
 3. Other (please specify) _____

- C. Indicate your firm's annual sales volume (labor and materials):**
1. Under \$100,000
 2. \$100,001-\$250,000
 3. \$250,001-\$500,000
 4. \$500,001-\$1,000,000
 5. \$1,000,001-\$2,500,000
 6. \$2,500,001-\$5,000,000
 7. Over \$5,000,000

- D. Indicate the number of construction or remodeling jobs your firm completed in the last 12 months:**
1. 1-5
 2. 6-10
 3. 11-25
 4. Over 25

- E. Indicate total number of employees (include self):**
1. 1-3
 2. 4-7
 3. 8-15
 4. 16-25
 5. Over 25

- F. Purchasing Responsibility:**
(Check one only)
1. Direct Buyer
 2. Specify/Approve Products
 3. Recommend Products
 4. Other (please specify) _____

Mail to:
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RR 2, Box 146
Richmond, VT 05477



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BOCA Evaluation Services, Inc.

SECRETARIAT
ICBO Evaluation Service, Inc.

SBCCI-Public Safety
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Whittier, California 90601-2299
(310) 699-0543

900 Montclair Road, Suite A
Birmingham, Alabama 35213-1206
(205) 591-1853

NATIONAL EVALUATION REPORT

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Report No. NER-292

Reissued May 1, 1993

THIS REPORT IS SUBJECT TO
RE-EXAMINATION IN ONE YEAR

PARALLAM®* PARALLEL STRAND LUMBER (PSL)

TRUS JOIST®* MACMILLAN

A Limited Partnership

POST OFFICE BOX 60

BOISE, IDAHO 83707

I. **SUBJECT:** Parallam®* Parallel Strand Lumber (PSL).

II. **PROPERTY FOR WHICH EVALUATION IS SOUGHT:** A. Structural

B. Fire-resistive Construction.

III. **DESCRIPTION:** A. **General:** Parallam PSL is manufactured by laminating yellow poplar/Western hemlock, Douglas fir or southern pine strands with an exterior-type adhesive (phenol formaldehyde) which complies with ASTM D 2559. Strands are coated with adhesive, oriented to the length of the member and fed into a press in the desired lay-up pattern. The material is compressed under heat and pressure. Parallam PSL is available in cross sections up to 11 inches x 16 inches and lengths up to 66 feet. Cross-sections up to 11 inches x 24 inches are available through secondary lamination. Quality control testing and inspections are provided by the PFS Corporation (NER-QA251). Parallam PSL is produced by Trus Joist MacMillan, A Limited Partnership, at Annacis Island, British Columbia and Colbert, Georgia.

B. **Material Properties:** Design provisions for wood construction in the adopted code are applicable to Parallam unless otherwise noted in this report. Allowable unit stresses for dry conditions of use are noted in Table No. 1. Unless otherwise noted, adjustment of the design stresses, as given in the applicable code for solid wood framing, is applicable to Parallam. Where members qualify as repetitive members, as defined in the applicable code, an increase in allowable bending stress of 4 percent, is permitted.

Parallam PSL lateral nail resistance and nail withdrawal are equivalent to that of Douglas fir sawn lumber (0.50—specific gravity).

Nails installed perpendicular to the wide face of strands shall be installed in accordance with the adopted code. Nails installed parallel to the wide face of strands shall be spaced a minimum of 3 inches on center for 8d nails, 4 inches on center for 10d and 12d nails, and 6 inches on center for 16d nails. See Figure No. 1 for details on strand orientation. Bolt design values are as provided in the adopted code for Douglas fir (0.50—specific gravity). Specific approval is required for nail and bolt connections not herein prescribed.

C. **Fire Resistance:** The fire-resistance design provisions for heavy timber construction (Type 4—BOCA National Building Code, Type IV—Uniform Building Code, and Type III—Standard Building Code) in the adopted code are applicable to Parallam PSL. This includes the fire-resistance ratings associated with heavy timber construction.

* Parallam® and Trus Joist® are registered trademarks of Trus Joist MacMillan, A Limited Partnership, Boise, Idaho.

IV. **INSTALLATION:** Materials shall be installed in accordance with the applicable code and this report. Structural calculations and drawings shall be available to the authority having jurisdiction upon request.

V. **IDENTIFICATION:** Parallam PSL shall bear a label stating the manufacturer's name and plant number, the National Evaluation Service report number, and the label of the PFS Corporation (NER-QA251).

VI. **EVIDENCE SUBMITTED:** 1. Report on the flexural, tension, compression and shear properties, fastener performance and long-term load duration test data conducted by MacMillan Bloedel Limited, dated May, 1984. All testing is certified by Dr. Stanley K. Suddarth, P.E.

2. Quality control tests certified by the American Plywood Association and Report on Recommended Allowable Design Stresses (Revisions to No. 1), dated March 30, 1987 by Dr. Stanley K. Suddarth, P.E.

3. Report by the Fire Test Laboratory at the University of California for char rate and flexural properties at elevated temperatures of Parallam PSL, dated July, 1984.

4. Report on determination of allowable design stresses for 2900f-2.0E southern pine Parallam, dated March, 1988, signed and sealed by Dr. Stanley K. Suddarth, P.E.

5. Trus Joist MacMillan Parallam PSL Manufacturing Standard (Vancouver plant), dated January, 1993.

6. Letter and referenced calculations documenting bending properties for 3100f-2.1E southern pine Parallam and compression perpendicular to grain for Parallam, dated December 18, 1990, signed and sealed by Dr. Stanley K. Suddarth, P.E.

7. Letter and accompanying data concerning compression perpendicular to grain tests, prepared by American Plywood Association, dated March 1, 1991, signed by Thomas P. Cunningham, Jr., Ph.D.

8. Descriptive details and analysis of western hemlock Parallam PSL test results, signed by Joseph R. Piscione, P.E., Trus Joist MacMillan, dated February 13, 1993.

9. Results of tests involving western hemlock and yellow poplar mechanical properties and fastener values, signed by Graham McFarland, PFS Corporation, dated October 15, 1992.

10. Results of tests on secondary laminated Parallam PSL, signed by Bruce Craig, Trus Joist MacMillan, dated February 4, 1992.

11. Descriptive details and analysis of yellow poplar Parallam PSL test results, submitted under the cover of a memorandum, signed by Bruce Craig, Trus Joist MacMillan, dated December 17, 1992, sealed by Joseph R. Piscione, P.E., dated February 13, 1993.

12. Trus Joist MacMillan Parallam PSL Manufacturing Standard (Colbert plant), dated April, 1993.

VII. **CONDITIONS OF USE:** The National Evaluation Service Committee finds that Parallam® Parallel Strand Lumber (PSL) is an alternative to construction material specified in the 1993 BOCA National Building Code.

This report is limited to the specific product and data and test reports submitted by the applicant in its application requesting this report. No independent tests were performed by the National Evaluation Service (NES), and NES specifically does not make any warranty, either expressed or implied, as to any finding or other matter in this report or as to any product covered by this report. This disclaimer includes, but is not limited to, merchantability. This report is also subject to the limitation listed herein.

the 1991 Standard Building Code with 1992/1993 Revisions and the 1991 Uniform Building Code with 1992 Supplement, subject to the following conditions:

1. Fabrication and quality control are in accordance with this report.
2. Design stresses do not exceed those noted in Table No. 1, subject to duration of load adjustments in accordance with the applicable code. Structural calculations and drawings shall be available to the

authority having jurisdiction upon request. When required by state statute, supporting data shall be prepared by a professional engineer or registered architect.

3. Design stresses in Table No. 1 are applicable to material used in dry service conditions, where the maximum moisture content of the wood will not exceed 19 percent.
4. This report does not include an evaluation of Parallam PSL subjected to fire-retardant or preservative treatments.

TABLE NO. 1—ALLOWABLE DESIGN STRESSES¹—FOR Parallam® PARALLEL STRAND LUMBER (Pounds per Square Inch)

SPECIE	GRADE	FLEXURAL STRESS ^{2,3} F _b	TENSION PARALLEL TO GRAIN F _t	COMPRESSION PARALLEL TO GRAIN F _c	COMPRESSION PERPENDICULAR TO GRAIN ⁴		HORIZONTAL SHEAR		MODULUS OF ELASTICITY ⁶ (MOE)
					Load Directions ⁵		Load Directions ⁵		
					Parallel to Wide Face of Strand F _{cL}	Perpendicular to Wide Face of Strand F _{cL}	Parallel to Wide Face of Strand F _v	Perpendicular to Wide Face of Strand F _v	
Douglas Fir	2.0E	2,900	2,400	2,900	750	480	290	210	2,000,000
	2.1E	3,100	2,400	2,900	750	480	290	210	2,100,000
Southern Pine	2.0E	2,900	2,400	2,900	880	525	290	210	2,000,000
	2.1E	3,100	2,400	2,900	880	525	290	210	2,100,000
Western Hemlock	2.0E	2,900	2,400	2,900	650	480	290	210	2,000,000
Yellow Poplar	2.0E	2,900	2,400	2,900	750	670	290	210	2,000,000

¹Parallam® PSL is produced at 8 to 12 percent moisture content. Allowable values have been established at conditions which produce 12 percent moisture content in lumber. These values are valid for dry service conditions in which 15 percent average and 19 percent maximum moisture content will not be exceeded.

²For 12 inch depth; for other depths, multiply by (12/d)^{0.111} as shown below. For depths less than 3.5 inches and for flat bending, use the factor for the 3.5 inch depth.

Depth (inches):	3.5	5.5	7.25	9.25	11.25	12.0	14.0	16.0	18.0	24.0
Multiplier:	1.15	1.09	1.06	1.03	1.01	1.00	0.98	0.97	0.96	0.93

³When structural members qualify as repetitive members in accordance with the building code, a 4 percent increase is permitted.

⁴Compression perpendicular values (F_{cL}) shall not be increased for duration of load.

⁵See Figure No. 1 for details on strand orientation.

⁶The coefficient of variation of MOE shall not exceed 0.11. The MOE reported here is the shear-free MOE (E_{sL}) for uniformly loaded simple span beams with a span-to-depth ratio of 21 to 1. For uniformly loaded simple span beams, the deflection shall be calculated using the following equation:

$$\text{Deflection} = \frac{5wL^4}{384 E_s I} + \frac{wL^2}{8(5/6)AG}, \text{ where } G = \frac{E_s}{16}$$

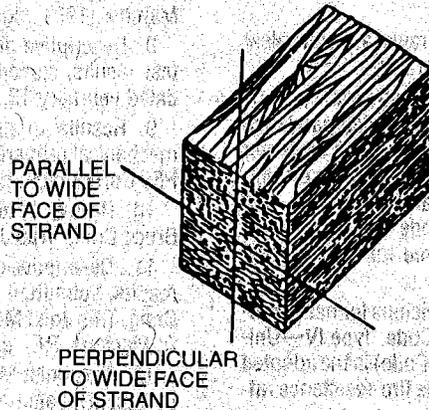


FIGURE NO. 1



The Commonwealth of Massachusetts

Executive Office of Public Safety

State Board of Building Regulations and Standards

McCormack State Office Building

One Ashburton Place - Room 1301

Boston, Massachusetts 02108

WILLIAM F. WELD

Governor

KATHLEEN M. O'TOOLE

Secretary

TEL: (617) 727-3200 FAX: (617) 227-1754

KENTARO TSUTSUMI

Chairman

THOMAS L. ROGER

Administrator

April 27, 1995

RE: Maintenance of Certification Status

Dear Building Code Enforcement Official:

In accordance with Massachusetts General Law c 143 § 94 (k) and 780 CMR-7, Section 3, please find, attached, a record of your education credit for the maintenance of your certification as a building code enforcement official. Also attached, find a copy of the **Standing Certifications Policy for Maintenance of Certification Status** (the policy). The record details all data on file at the Board of Building Regulations and Standards (BBS) for the calendar year, 1994, as well as any applicable retroactive credit (identified in Part 4, page 3 of the policy).

Please be aware that the Board has waived the requirement identified in Part 2(1), page 2, of the policy relating to courses offered by the BBS for the **calendar year 1994 only**. However, this policy will be in full force and effect for calendar year 1995, and all years to follow.

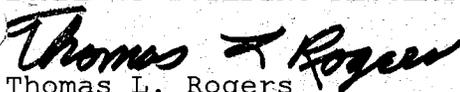
As identified in 780 CMR-7, one **must** complete at least forty-five (45) hours of acceptable education credit, as established by the policy, each three year period following initial certification. For all those who entered the program under the grandfather clause, this three year period began **January 1, 1994** and ends **December 31, 1996**. For those who have entered the program by exam, the cycle is established by the date printed on your certificate.

Each certified building code enforcement official will receive a record of his/her progress at the end of each calendar year. If your record indicates little or no continuing education credit, we strongly urge that you increase your course attendance in calendar year, 1995. Remember, your certification depends on it!

For a list of some available courses, consult the April, 1995 issue of CODEWORD. If you wish to dispute or add to these figures, please do so in writing; to the *Standing Certification Committee*, at the address listed on this letterhead.

Very truly yours;

BOARD OF BUILDING REGULATIONS AND STANDARDS


Thomas L. Rogers
Administrator

cc: File
f:\users\bbs\certif\maintain.doc

The Government of Massachusetts

Executive Office of Public Safety

State Police Training Center, 100 State Street, Boston, MA 02109

Attention: Training Officer

Phone: (617) 725-1000

Fax: (617) 725-1001



WILLIAM T. KELLY
Director

KATHLEEN E. O'NEILL
Assistant Director

TELEPHONE: (617) 725-1000

April 27, 1997

RE: Maintenance of Certification Program

State Police Training Center

In accordance with Massachusetts General Law c. 141B, § 14 (K) and 802-1, Section 1, please find attached a record of your status under the Maintenance of Certification Program as a Police Officer. Also attached, and a copy of the Standing Committee Policy as determined by the Standing Committee (see policy). The record lists all dates on file as of the end of the Reporting Period and Standards (RPS) for the calendar year, 1997, as well as any applicable restrictive credit identified in part 2, page 3 of the policy.

There are also listed the dates on which the program was identified in part 2 (1), page 4 of the policy relating to courses offered by the RPS for the calendar year 1997. However, the policy of the RPS for the calendar year 1997, and all years to follow.

An additional 1000 CPE's are made available at least forty-five (45) days of completion of the course as established by the policy, and since your period following initial certification. For all those who entered the program under the program, this three year period began January 1, 1997 and ends December 31, 1999. For those who have entered the program by exam, the cycle is established by the date printed on your certificate.

Each certified training code endorsement official will receive a record of their progress at the end of each calendar year. If your record indicates little or no continuing education credit, we strongly urge that you increase your course attendance a calendar year, 1997. Remember, your certification depends on it!

For a list of some available courses, contact the RPS, 100 State Street, Boston, MA 02109. If you wish to register or add to these courses, please do so in writing to the Standing Committee, at the address listed on the letterhead.

Very truly yours,

BOARD OF TRAINING REGULATION AND STANDARDS

[Signature]
Thomas L. Rogers
Assistant Director



The Commonwealth of Massachusetts

Executive Office of Public Safety

State Board of Building Regulations and Standards

McCormack State Office Building

One Ashburton Place - Room 1301

Boston, Massachusetts 02108

WILLIAM F. WELD

Governor

KENTARO TSUTSUMI

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Secretary

THOMAS L. ROGERS

Administrator

TEL: (617) 727-3200 FAX: (617) 227-1754

In order that the BBRS can effectively tailor future educational programs to meet your needs as building officials, would you please take a few minutes to complete this questionnaire. Please note that providing your name is optional.

WHERE QUESTIONS REQUIRE A WRITTEN RESPONSE, PLEASE PRINT LEGIBLY

1. Current appointment Building Commissioner
Local Inspector

2. Total number of years in Building Code Enforcement: _____

3. Level of certification
(i) Building Commissioner Local Inspector
(ii) Currently in process of becoming certified

4. Qualifications when you were first appointed as a building official (pursuant to Section 107 of the Building Code and MGL c 143 s 3)
(i) 5 years (or more) supervising building construction
(ii) Undergraduate Degree Major Subject _____

5. Did you attend any formal Building Code training prior to your first appointment? Yes No

If "no", proceed to question 6

If "yes", proceed to question 7

6. Do you feel that a formal course of study on the building code would have been beneficial prior to your appointment? Yes No

Briefly explain why: _____

Proceed to question 8

7. Do you feel that the formal training you received adequately prepared you for your appointment as a Building Official? Yes No

If "no", please explain _____

(over page)

If "yes" or "no" please give a brief outline of the course:

Proceed to question 9

8. Does your building department annual budget include moneys for continuing education? Yes No

If "no", proceed to question 10

If "yes", what is the annual amount per building official \$ _____

Do you consider this amount sufficient? Yes No

10. In which areas do you feel you would benefit from additional training (check more than one if necessary)

- Administration
- Legal
- Plan Review
- Inspection
- Zoning
- Local Government Issues
- Technical Issues (please specify)

11. Based on your experience to date, where do the majority of difficulties occur in the administration and enforcement of the Building Code?

12. Please provide any other comments you feel are applicable.

Name (optional): _____

THANK YOU FOR YOUR TIME IN COMPLETING THIS QUESTIONNAIRE - PLEASE RETURN TO THE BOARD OF BUILDING REGULATIONS AND STANDARDS - ATTENTION BRIAN GORE, P.E.



The Commonwealth of Massachusetts
 Department of Industrial Accidents
 Office of Investigations
 600 Washington Street
 Boston, Mass. 02111

Workers' Compensation Insurance Affidavit

Applicant information:

Please PRINT legibly

name: _____

location: _____

city: _____ phone # _____

I am a homeowner performing all work myself.

I am a sole proprietor and have no one working in any capacity

I am an employer providing workers' compensation for my employees working on this job.

company name: _____

address: _____

city: _____ phone #: _____

insurance co. _____ policy # _____

I am a sole proprietor, general contractor, or homeowner (circle one) and have hired the contractors listed below who have the following workers' compensation policies:

company name: _____

address: _____

city: _____ phone #: _____

insurance co. _____ policy # _____

company name: _____

address: _____

city: _____ phone #: _____

insurance co. _____ policy # _____

Attach additional sheet if necessary

Failure to secure coverage as required under Section 25A of MGL 152 can lead to the imposition of criminal penalties of a fine up to \$1,500.00 and/or one years' imprisonment as well as civil penalties in the form of a STOP WORK ORDER and a fine of \$100.00 a day against me. I understand that a copy of this statement may be forwarded to the Office of Investigations of the DIA for coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.

Signature _____ Date _____

Print name _____ Phone # _____

official use only do not write in this area to be completed by city or town official

city or town: _____ permit/license # _____

check if immediate response is required

contact person: _____ phone #: _____

- Building Department
- Licensing Board
- Selectmen's Office
- Health Department
- Other _____

Information and Instructions

Massachusetts General Laws chapter 152 section 25 requires all employers to provide workers' compensation for their employees. As quoted from the "law", an *employee* is defined as every person in the service of another under any contract of hire, express or implied, oral or written.

An *employer* is defined as an individual, partnership, association, corporation or other legal entity, or any two or more of the foregoing engaged in a joint enterprise, and including the legal representatives of a deceased employer, or the receiver or trustee of an individual, partnership, association or other legal entity, employing employees. However the owner of a dwelling house having not more than three apartments and who resides therein, or the occupant of the dwelling house of another who employs persons to do maintenance, construction or repair work on such dwelling house or on the grounds or building appurtenant thereto shall not because of such employment be deemed to be an employer.

MGL chapter 152 section 25 also states that **every state or local licensing agency shall withhold the issuance or renewal of a license or permit to operate a business or to construct buildings in the commonwealth for any applicant who has not produced acceptable evidence of compliance with the insurance coverage required.** Additionally, neither the commonwealth nor any of its political subdivisions shall enter into any contract for the performance of public work until acceptable evidence of compliance with the insurance requirements of this chapter have been presented to the contracting authority.

Applicants

Please fill in the workers' compensation affidavit completely, by checking the box that applies to your situation and supplying company names, address and phone numbers as all affidavits may be submitted to the Department of Industrial Accidents for confirmation of insurance coverage. **Also be sure to sign and date the affidavit.** The affidavit should be returned to the city or town that the application for the permit or license is being requested, **not** the Department of Industrial Accidents. Should you have any questions regarding the "law" or if you are required to obtain a workers' compensation policy, please call the Department at the number listed below.

City or Towns

Please be sure that the affidavit is complete and printed legibly. The Department has provided a space at the bottom of the affidavit for you to fill out in the event the Office of Investigations has to contact you regarding the applicant. Please be sure to fill in the permit/license number which will be used as a reference number. The affidavits may be returned to the Department by mail or FAX unless other arrangements have been made.

The Office of Investigations would like to thank you in advance for your cooperation and should you have any questions, please do not hesitate to give us a call.

The Department's address, telephone and fax number:

The Commonwealth Of Massachusetts

Department of Industrial Accidents

Office of Investigations

600 Washington Street

Boston, Ma. 02111

fax #: (617) 727-7749

phone #: (617) 727-4900 ext. 406, 409 or 375



The Commonwealth of Massachusetts

Executive Office of Public Safety

State Board of Building Regulations and Standards

McCormack State Office Building

One Ashburton Place - Room 1301

Boston, Massachusetts 02108

WILLIAM F. WELD
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Secretary

TEL: (617) 727-3200 FAX: (617) 227-1754

KENTARO TSUTSUMI
Chairman

THOMAS L. ROGERS
Administrator

STANDING CERTIFICATION COMMITTEE'S POLICY

MAINTENANCE OF CERTIFICATION STATUS

Part 1. General: In accordance with the *Rules and Regulations for the Certification of Inspectors of Buildings, Building Commissioners and Local Inspectors (780 CMR-7)*, all those who are certified as a building code enforcement official by the Board of Building Regulations and Standards, **shall maintain** said certification by attaining at least forty-five (45) hours of continuing education credit for each three (3) year cycle following initial certification.

Part 2 of this document identifies *acceptable continuing education* and the applicable credit value towards certification maintenance. Credit values are described in terms of *contact hours*. A *contact hour* is defined as: **One clock hour of interaction between learner and instructor.**

Example: An eight (8) hour seminar that includes a one (1) hour break for lunch and two (2) fifteen minute breaks, will be assigned six and one-half (6½) hours of contact hour credit towards certification maintenance (8 hours of cumulative time - 1 hour lunch - ½ hour for breaks = 6½ contact hours).

To be considered *acceptable continuing education*, material covered during the programs identified in Part 2 of this document shall be pertinent to the duties of a building code enforcement official.

To receive full credit for course material, one **must** attend the full program offering. Any individual arriving late (as determined by the program's instructor) at the start of the program or after any scheduled breaks and/or meals, or any individual leaving early, shall not receive full credit for the program.

All attendees **shall sign-in** at the start of each program on an approved attendance sheet made available by the program's sponsor. (An approved attendance sheet is made part of this document as Attachment A.)

Note: Although records of continuing education credit shall be maintained at the Office of the Board of Building Regulations and Standards, each certified individual should preserve a record of his/her contact hours. In the event of a dispute regarding an individual's continuing education credit status, a certified building code enforcement official may petition the *Standing Certification Committee* for resolution. Said petition shall be in writing addressed to the chairman of this committee. The determination of the *Standing Certification Committee* shall be binding and final.

(See Part 3 of this document for more information regarding reporting of education credit.)

Part 2. Acceptable Continuing Education: The following lists educational activities that may be used towards maintenance of certification and renewal.

1. Continuing education delivered, offered or sponsored by the Board of Building Regulations and Standards (BBRS) or other approved code enforcement, certification or licensing agency whose procedures meet the requirements for continuing education credit established by the *Standing Certification Committee*.

Attendees of these programs shall receive the appropriate number of *contact hours* of continuing education as defined in Part 1 of this document. A maximum of fifteen (15) *contact hours* of credit per year may be accumulated by this method. A minimum of ten (10) *contact hours* of credit per year shall be gained through BBRS sponsored programs.

2. Continuing education delivered, offered or sponsored by an accredited academic institution. For purposes of this policy, an accredited institution is a high school, community college, junior college, college, university, technical or vocational school or similar institution. Such courses or programs of study shall be approved for credit by the *Standing Certification Committee* through the method prescribed under point number six (6) of this document for *Special Seminars*.

A maximum of ten (10) *contact hours* of credit per year may be gained by this method.

3. Continuing education delivered, offered or sponsored by the Building Officials and Code Administrators International (BOCA), National Fire Protection Association (NFPA) or other approved professional organization. Such courses shall be approved for credit by the *Standing Certification Committee* through the method prescribed under point number six (6) of this document for *Special Seminars*.

A maximum of ten (10) *contact hours* of credit per year may be gained by this method.

4. Attendance at, and participation in monthly meetings sponsored by the Massachusetts Building Commissioners Association, the Southeastern Massachusetts Building Officials Association, the Building Officials of Western Massachusetts or other approved building code enforcement officials organizations duly established and whose procedures meet the requirements for continuing education credit, and monthly meetings offered by each District State Building Inspector.

Attendees of these programs shall receive one (1) *contact hour* of continuing education credit per meeting. A maximum of five (5) *contact hours* of credit per year may be accumulated by this method, unless the organization intends to offer a program that meets the requirements prescribed under point number six (6) of this document for a *Special Seminars*.

5. Instructors of continuing education meeting the requirements for credit established by the *Standing Certification Committee*.

Individuals who are involved in the instruction of these programs shall receive the appropriate number of *contact hours* of continuing education credit as defined in Part 1 of this document. A maximum of ten (10) *contact hours* of credit may be accumulated by this method per three (3) year period.

6. **Special Seminars** are programs of continuing education offered by an approved building code enforcement officials organization or District State Building Inspector that exceed the usual course of business; ie: the organization schedules a guest speaker or special event that (generally) occupies a full day of business.

To receive appropriate credit for a *Special Seminar*, the sponsoring organization **shall** apply to the *Standing Certification Committee* on a form titled *Standing Certification Committee Application for Continuing Education Credit* (made part of this document as Attachment B).

Note: Other programs seeking credit under points two (2) and three (3) of this document, shall also use this form.

It is the responsibility of the attendee of such seminars to report his/her participation in line with the reporting process identified in Part 3 of this document and to provide any evidence of attendance that the *Standing Certification Committee* may require, including, but not limited to; certificate of attendance, passing grade, or other means deemed acceptable by the Committee.

In the case of a *Special Seminar* offered by a District State Building Inspector or approved building code enforcement officials organization, evidence of attendance may be in the form of an approved attendance sheet made available by the sponsor.

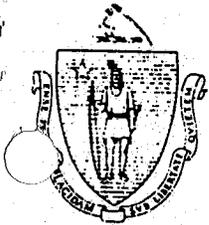
- Part 3. Reporting attendance:** If a certified building code enforcement official must report attendance for participation at a *Special Seminar* or program, or other course of study, he/she may complete the *Standing Certification Committee - Continuing Education Reporting Form* (made part of this document as Attachment C)

The *Reporting Form* shall be forwarded to the office of the Board of Building Regulations and Standards, attention *Standing Certification Committee*, following participation in said event. All information requested of the reporting process shall be provided in order to receive proper credit.

- Part 4. Previously attended programs:** Continuing education credit may be assigned retroactively for *Special Seminars* or programs, or other courses of study back to the enactment of Chapter 168 of the Acts of 1992 (November 12, 1992). If a certified building code enforcement official has attended a program within this time period, he/she may apply for credit in line with the procedure described under point number six (6) of this document. An individual requesting credit for such programs must file application with the Committee by June 1, 1994.

Attendance at District State Building Inspectors meetings and approved building code enforcement official association meetings, will be credited towards continuing education retroactively to this date, also.

* Approved by the *Standing Certification Committee* under procedures established for such purpose.



The Commonwealth of Massachusetts

Executive Office of Public Safety

State Board of Building Regulations and Standards

McCormack State Office Building

One Ashburton Place - Room 1301

Boston, Massachusetts 02108

WILLIAM F. WELD
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STANLEY SHUMAN, P.E.
Chairman

THOMAS L. ROGERS
Administrator

TEL: (617) 727-3200 FAX: (617) 227-1754

STANDING CERTIFICATION COMMITTEE

Application for Continuing Education Credit - Attachment B

Purpose: This application shall be used by an individual or organization:

1. seeking continuing education credit for a Special Seminar as defined in the Standing Certification Committee's policy for maintenance of certification, or
2. seeking continuing education credit for programs or courses of study offered by an approved code enforcement, certification or licensing agency, an accredited academic institution, or an approved professional organization.

Part One:

Name of Applicant: _____

Address of Applicant:

(No. & Street) (City or Town) (State) (Zip Code)

Phone Number:
(w/area code)

(Home) (Work)

Part Two:

Applicant seeks credit for: Special Seminar _____ Other program or course of study _____
(Check one)

Name of sponsor: _____

Address of Sponsor:

(No. & Street) (City or Town) (State) (Zip Code)

Phone Number of Sponsor:
(w/area code)

Give a brief description of the subject matter to be covered in the Special Seminar or program, or course of study: (If a program syllabus is available, please provide as part of this application)

Location of Special Seminar or program, or course of study:

(Name of institution)

(No. & Street) (City or Town) (State) (Zip Code)

Dates and times of Special Seminar or program, or course of study:

Cumulative number of hours covered by the Special Seminar or program, course of study: (If reporting a Special Seminar, state the allotted time for lunch and/or dinner break and other scheduled breaks.)

(Cumulative number of hours) (Lunch/Dinner Break, if applicable) (Other Breaks, if applicable)

Part Three:

Affidavit:

I do solemnly swear that the answers given by me on this application and the information contained on all attachments are the truth and are complete to the best of my knowledge.

Signature of Applicant Date

Do not write in this space. Office use only.

Date: _____

Vote of Committee: _____ (Number of contact hours approved)

* Approved by the Standing Certification Committee under procedures established for such purpose.

** The organization offering the Special Seminar or program, or course of study.

The Commonwealth of Massachusetts

Executive Office of Public Safety

State Board of Building Regulations and Standards

McCormack State Office Building

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STANDING CERTIFICATION COMMITTEE

Continuing Education Reporting Form - Attachment C

Purpose: This form is to be submitted by those certified building code enforcement officials who have attended a Special Seminar or program, or other course of study where the evidence of attendance was not provided by the sponsor of the program. A Special Seminar, program, or course of study requiring approval of the Standing Certification Committee for continuing education credit shall have received such approval prior to filing this form. Any program reported that has not received the appropriate approval shall not be credited towards the reporting parties continuing education.

If the Special Seminar, program or course of study requires a passing grade, please attach a copy of said grade in evidence.

Part One:

List name of Special Seminars or program, or course of study, with locations and dates taken. List applicable contact hours

1. _____
2. _____
3. _____
4. _____
5. _____

Part Two:

Affidavit:

I do solemnly swear that the information given by me on this form is true and accurate to the best of my knowledge.

Signature of reporting party

Date

The Government of Massachusetts
Executive Office Building
State House
Boston, Massachusetts 02133



STATE HOUSE
BOSTON
MASSACHUSETTS 02133

THE GOVERNOR
STATE HOUSE
BOSTON
MASSACHUSETTS 02133

THE GOVERNOR (101) (101) (101)

STANDING COMMITTEE ON

GOVERNMENT ADMINISTRATION

The committee has the honor to acknowledge the receipt of your letter of the 10th day of June, 1968, regarding the proposed changes in the State Personnel Commission. The Commission is currently reviewing the proposed changes and will report to the Governor and the Legislature in the near future. The Commission is also conducting a study of the State Personnel Commission's operations and will report to the Governor and the Legislature in the near future. The Commission is also conducting a study of the State Personnel Commission's operations and will report to the Governor and the Legislature in the near future.

SECRET

The committee has the honor to acknowledge the receipt of your letter of the 10th day of June, 1968, regarding the proposed changes in the State Personnel Commission. The Commission is currently reviewing the proposed changes and will report to the Governor and the Legislature in the near future. The Commission is also conducting a study of the State Personnel Commission's operations and will report to the Governor and the Legislature in the near future. The Commission is also conducting a study of the State Personnel Commission's operations and will report to the Governor and the Legislature in the near future.

SECRET

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TABLE 3 - ACCREDITED COURSES AND SEMINARS

COURSES AND SEMINARS APPROVED FOR CREDIT FROM JUNE, 1994 TO MARCH, 1995:

NAME OF COURSE OR SEMINAR	CONTACT HOUR CREDIT
BBRS SPONSORED:	
"Joint Training of Fire Officials and Building Officials in the Administration and Enforcement of the Massachusetts State Building Code", as presented in Springfield, Northampton, Middleton, Stow, Middleboro and Boston, November - December, 1994	3.0 Hours
BOCA SPONSORED:	
"Wind and Flood-Resistant Construction"	10.0 Hours
"the Annual Conference" offered at the Hyatt Hotel Dearborn, MI, September 19, 1994:	
"the Five Points of Key Performance"	2.0 Hours
"Customer Service for Code Officials"	2.0 Hours
"Providing Accessibility: Building Code vs. Civil Rights Approach"	2.0 Hours
"Engineering Principles for the Wood Frame House"	2.0 Hours
"Chapter 16: Ventilation (BOCA National Mechanical Code\1993)	2.0 Hours
"Governmental Demolition of Dangerous Structures"	2.0 Hours
"BOCA National Energy Conservation Code"	2.0 Hours
"Hazardous Materials Code Requirements in the BOCA National Fire Prevention Code\1993	2.0 Hours
"Crackerbarrel Session"	1.5 Hours
"BOCA Code Change Hearings" as conducted at the Sheraton Hotel, Springfield, March, 1994	2.0 Hours
OTHER COURSES (VARIOUS SPONSORS):	
"the New England Building Officials Association Fall Seminar" as offered at the University of Massachusetts	10.0 Hours
"Floodplain Manager Front-End Analysis" as offered in Berryville, VA June 8, 9 and 10, 1994, sponsored by the Federal Emergency Management Agency (FEMA) and the SOZA Company	10.0 Hours
"Conducting Basic Fire Inspections" as offered by the Massachusetts Firefighting Academy at the City of Boston Fire Memorial Hall 115 Southampton Street, May 16 and 17, 1994	2.0 Hours
"the Municipal Management Institute" as offered at Middlesex College, March and April, 1994	10.0 Hours
"Earthquakes and Seismicity" as offered at the Sturbridge Host Hotel, Sturbridge, May 11, 1993, sponsored by the New England Building Code Assoc.	5.0 Hours

(Table 3 - Continued)

"Integrated Emergency Management Course: Hurricane" as offered by FEMA's Emergency Management Institute, February 14-18, 1994	10.0 Hours
"Firestopping" as offered at Kitty's Restaurant, Reading, September 29, 1994 as sponsored by the Massachusetts Building Commissioners and Inspectors Association(MBCIA)	2.0 Hours

A FINAL NOTE ON CERTIFICATION

The Board is pleased to announce that on October 27, 1994, the Building Officials and Code Administrators (BOCA), International approved the Commonwealth's application for entry into its *Accredited Provider Program*. The letter of acceptance from Mr. Len C. King, Chair of the Training Services Committee reads:



"On behalf of BOCA International, I am pleased to report that the application of the Commonwealth of Massachusetts for Accredited Provider has been approved. Your education program has been evaluated and meets all standards as maintained by BOCA for quality continuing education programs. This approval demonstrates that the Commonwealth of Massachusetts has taken seriously its commitment to provide quality education to its members. As an accredited Provider you are authorized to use BOCA's Accreditation logo on publications advertising those activities that meet the quality standard. You may also use the following statement: "The Commonwealth

of Massachusetts has been approved by BOCA International as an Accredited Provider of continuing education programs."

What does this approval mean? First, it means that a course or seminar that has been sponsored by the Board of Building Regulations and Standards may be used to satisfy the continuing education requirements not only for Massachusetts certification, but also for certification gained through the BOCA examination process. This makes life much easier for those who have taken the BOCA exams and wish to maintain their national certification while maintaining their Massachusetts certification.

Second, this approval is a great reward for all who have worked so diligently to make the certification process a reality. Historically, Massachusetts has been a leader on issues relating to education. Although we lagged, somewhat, with respect to the education of building officials, *we are making progress*, and we will continue to this effort to the end.

CONSTRUCTION SUPERVISOR LICENSES SUSPENDED OR REVOKED

BY KEN LUCAS

At a recent hearing conducted by the License Review Committee, the licenses of two construction supervisors were suspended for a period of six months. Following the suspension, each individual must take and pass the commonwealth's construction supervisors license examination in order to be reinstated in the program. The two suspensions were issued to:

License Number 039976
Henry Komosa
Deerfield, MA

License Number 024416
Glen Nichols
Boxboro, MA

CSL AND HIC NEWS AND EVENTS

ALL ARTICLES ON CSL AND HIC

BY KEN LUCAS

CONSTRUCTION SUPERVISOR LICENSE (CSL) NEWS:

The Board wishes to acknowledge and thank those local building officials who take the time to check the picture identification and physical license of those individuals filing for building permits. Over the last few weeks, we have received several calls from individuals whose licenses have expired. This is a good indication that local building officials are policing the program by requesting evidence of a *valid license*.

However, there appeared to be a few localities where licenses remain unchecked. It is imperative that *all* local building officials confirm the validity of a license during the permitting process. The time it takes to do this is minimal, but the benefit is great. It could be extremely problematic if something goes awry on a job, and it is determined that the individual performing the work did not assess a valid license.

A construction supervisor *must* have a valid license on his person when applying for a building permit. Therefore, it is very simple to check the license and a picture identification (i.e. a drivers license) at this time. Also, it is recommended that a copy of the *valid license* be attached to the permit file.

Recently, an representative from the Office of the Attorney General has posed this question; how can a building permit application, identifying work

that requires a license, be filed without showing the *valid license number*. Notwithstanding the owner securing the permit, there is no reasonable response to this question. *Please ask for verification in all cases where licenses are required, even if you know the applicant.*

HIC NEWS

The Home Improvement Contractor Program is quickly approaching its third year of existence and is finally beginning to catch on.

To date, the program has issued over \$100,000 in claims from the program's *Guaranty Fund* to homeowners who have suffered as a result of poor work on their homes, or who have been victimized by registrants of the program (i.e. absconding with funds without performing the contracted work). The claims were assessed to thirty (30) different registrants. Awards from the fund have been granted ranging from a minimum of \$300.⁰⁰ to the maximum allowed, \$10,000.⁰⁰.

In addition, at a hearing convened on January 25, 1995, the Director of the Home Improvement Contractor program assessed administrative penalties totaling \$48,000.⁰⁰ against eight (8) different home improvement contractors, and revoked the registration of each. These penalties were in concert with recommendations made by the *HIC Advisory Board*, that body empowered by law to advise on matters concerning the Home Improvement Contractor Registration Process.

The eight (8) firms whose registrations were *revoked* are identified in the table below;

REGISTRANTS:	CITY/TOWN:	REGISTRATION NUMBER:
Cardinal Home Improvements	Pittsfield, MA	103387
VR Remodelers, Inc.	Framingham, MA	104149
New England Craftsman	Bristol, CT	108687
Cardinal Siding Company	Winchendon, MA	101962
Thomas Construction	Sharon, MA	108996
Mass. Building and Remodeling, Inc	Plymouth, MA	109064
Spectrum Construction Co.	Boston, MA	109839
Advanced Home Design	Lynn, MA	102588

HIC ADVISORY

All municipal building departments should have received a bulletin from the Office of the Attorney General revealing that it is the duty of the appropriate person in the building department to verify that a home improvement contractor is registered with the Board. Most appear to be adhering to this notice, but some are not.

Please be advised that Massachusetts General Law (MGL) c 142A *requires* each municipal building department to designate a person to ascertain whether or not a contractor is a registered home improvement contractor *prior to issuing a building permit* (for work requiring registration). Failure to do so, may subject the department to liability.

Please ensure that a Home Improvement Contractor's Registration number appears on both the permit application and the permit card, and *please check each contractor's registration card at the time of application.*

Questions as to whether an HIC registration is valid, should be directed to the Office of the Board @ (617) 727-8598 or (617) 727-3200, extension 659.

REGARDING WORKERS' COMPENSATION INSURANCE

BY ROB ANDERSON

This article was originally printed as part of the March, 1992 issue of CODEWORD. It is printed again at the request of the Massachusetts Department of Industrial Accidents. The article has been modified slightly from the original.

On October 17, 1991 a letter was issued from the Department of Industrial Accidents (the department) regarding workers' compensation insurance. The letter makes reference to Massachusetts General Law c 152 § 25C. This section of law states that any state or local licensing agency shall withhold the issuance of or renewal of a license or permit to operate a business or to construct buildings in the Commonwealth unless the applicant provides acceptable evidence that he

has properly complied with the workers compensation insurance requirements.

Although this law has been in effect since 1987, it was not generally enforced. In recent years, the lagging economy has sparked a rash of claims against compensation funds. Many of these claims were filed against companies who were not properly insured. As is the case in the auto insurance industry, the burden of the claims was suffered by those who were legitimately insured, not by those who were responsible. In order to ease the drain on compensation funds, the Commissioner of the Department of Industrial Accidents has made it clear that the provisions of MGL c 152 § 25C must be enforced.

Since a building official is in the business of issuing permits for construction, he must pay close attention to this topic. However, the department realizes that the building official is already overrun with his current duties, and does not wish to add to his workload. Yet, the fact remains that the law dictates that nearly all involved in the construction industry must be protected by this insurance and the most expedient method to control this requirement is through the permitting and licensing process. Therefore, the building official must become involved.

In an effort to streamline the process, the department has generated an affidavit program. This affidavit places the onus on the applicant to honestly profess whether or not he is properly insured under the provisions of c 152 § 25C, or that the provisions of this law do not apply. The applicant's signature on this document bears witness, under the pains and penalties of perjury, that he is truthful in his assertion.

The affidavit is attached to this document (to building officials only). The building official must present the affidavit to each permit applicant for signature, and store the original with each job file. A copy may be provided to the applicant upon request. There may be occasions when a building official is suspect as to the legitimacy of an applicant's claim to proper insurance coverage under this law. If this happens, one only needs to

call the information line established by the department. Through this service one can quickly verify whether a company is adequately covered and if the policy is current. The number to dial is (617) 727-4900; extensions 401 through 405 are available to ensure rapid assistance. Almost every company needs to carry workers' compensation insurance. The only exception is an individual who is classified as a sole proprietor. However, if he were to incorporate, he too would need this insurance. The provisions of MGL c152 § 25C, attempts to create a means by which to monitor a system that has been in place for years.

WELCOME PAT BRENNAN

The BBRS would like to welcome Pat Brennan to the BBRS staff. Among her numerous duties, Pat is the clerk to the State Building Code Appeals Board and also manages the Manufactured Buildings Program. Pat brings a wealth of managerial experience from her previous position with the City of Boston, Inspectional Services Department.

Pat would like to take the opportunity to remind building officials that your participation (either by appearance or letter) in Board of Appeal cases in which you are involved is vitally important to the Appeals Board.

CONGRATULATIONS TO ED, BILL AND BRIAN

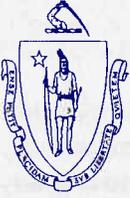
The BBRS would like to extend its congratulations to Ed Poskus, AIA (Building Commissioner, Ipswich), Bill Gedraitis (Building Commissioner, Middleboro) and Brian Gore, PE (BBRS) who have been elected to the Board of Directors of the New England Building Code Association (NEBCA). In addition Ed was recently elected President, Brian was elected as Secretary and Bill is the immediate Past President.

BUILDING CODE ACADEMY

Legislation has been filed to establish a Building Code Academy. In order to assist in determining the need for an academy, the BBRS has enclosed a questionnaire relative to your education and budget needs. Please take a few minutes to complete the attached questionnaire. The survey is strictly confidential and you may choose to omit your name. Please make every effort to complete the survey and return to the BBRS office (Attention: Brian Gore). Thank you in advance for your cooperation.

Please note that this questionnaire is only enclosed for building officials.

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CODEWORD

PUBLIC HEARING SCHEDULE

The Board of Building Regulations and Standards will hold a Public Hearing on May 9, 1995, at One Ashburton Place in Boston, to entertain changes to the Fifth Edition of the State Building Code. Some of the proposed changes effect:

- Fire Protection Systems
- Residential Sprinkler Systems
- Structural Load and Masonry Reference Standards
- Handrails and Guardrails
- Heat Detectors and Smoke Detectors
- Certification of Private Sector Inspectors

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Board of Building Regulations and Standards
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AFFIX LABEL HERE