

Chapter ILHR 70

HISTORIC BUILDING CODE

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Subchapter I — Purpose, Scope and Application

**ILHR 70.001** Authority. Ch. ILHR 70 constitutes the historic building code and is promulgated under the authority of ss. 101.121 (3), and 101.13 (9) Stats.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.01** Purpose. The purpose of ch. ILHR 70 is to:

- (1) Provide alternative building standards for preserving or restoring buildings or structures designated as historic buildings;
- (2) Facilitate the restoration of historic buildings so as to preserve their original or restored architectural elements and features;
- (3) Encourage energy conservation;
- (4) Permit a cost-effective approach to historic preservation and restoration;

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(5) Provide for the health, safety and welfare of occupants and visitors in qualified historic buildings;

(6) Provide a process for the department to grant variances in order to permit the proper preservation or restoration of qualified historic buildings; and

(7) Provide a reasonable means of access to historic buildings for people with physical disabilities.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.02 Scope.** The provisions of ch. ILHR 70 are not retroactive.

(1) **QUALIFIED BUILDINGS.** Ch. ILHR 70 applies solely to qualified historic buildings:

(a) Listed on, or nominated by the state historical society for listing on, the national register of historic places in Wisconsin;

(b) Included in a district which is listed on, or nominated by the state historical society for listing on, the national register of historic places in Wisconsin, and which has been determined by the state historical society to contribute to the historic significance of the district;

(c) Listed on a certified municipal register of historic property; or

(d) Included in a district which is listed on a certified municipal register of historic property, and which has been determined by the municipality to contribute to the historic significance of the district.

(2) **NON-QUALIFIED BUILDINGS.** Ch. ILHR 70 does not apply to the following:

(a) Nursing homes as defined in s. 50.01 (3) Stats.;

(b) Hospitals as defined in s. 50.33 (1) (a) and (c) Stats.;

(c) Approved public or private treatment facilities for alcoholics as defined in s. 51.45 (2) (b) and (c) Stats.;

(d) Community-based residential facilities as defined in s. 101.127, Stats.;

(e) Chapter ILHR 56 occupancies, except libraries, museums and art galleries;

(f) New additions to historic buildings;

(g) New buildings constructed in a historic district;

(h) Buildings that are reproduced; and

(i) Other buildings as specified in s. ILHR 50.04.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.03 Election of code.** (1) **USE REMAINS UNCHANGED.** (a) *Preserved, renovated, repaired or restored.* If a qualified historic building is preserved, renovated, repaired or restored to maintain the building in its original condition and the use remains unchanged from the time of origin.  
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nal construction, the owner may elect to be subject to one of the following codes:

1. Chapter ILHR 70;
2. The code in effect at the time of original construction;
3. Chapters Ind 160-164, existing building code, for buildings erected prior to October 19, 1914; or
4. The prevailing code.

(b) *Altered or remodeled.* When a qualified historic building is altered or remodeled and that portion being altered or remodeled affects the structural strength, fire hazard, exits, required natural lighting or replacement of major equipment, the owner may elect to be subject to one of the following:

1. Chapter ILHR 70; or
2. The prevailing code.

(2) **USE CHANGES.** When a qualified historic building is changed to a new use or converted from a use as an exempt building, as specified in s. ILHR 50.04, to a public building or place of employment, the owner may elect to be subject to one of the following codes:

- (a) Chapter ILHR 70; or
- (b) The prevailing code.

Note: See appendix for reprint of s. ILHR 50.04, Buildings exempt from code requirements.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.04 Impact of other codes on qualified historic buildings.** (1) **CODES AND ORDINANCES.** Except as specified in sub. (2), no owner of a qualified historic building who elects to be subject to ch. ILHR 70 may be required to comply with any requirement of the following:

- (a) Any other building code administered by the department, if the building code concerns a matter addressed by ch. ILHR 70;
- (b) Any county or municipal building code, if the county or municipal building code concerns a matter addressed by ch. ILHR 70; and
- (c) Any other local ordinance or regulation, if the ordinance or regulation concerns a matter addressed by ch. ILHR 70.

(2) **LIMITATIONS.** This chapter shall not be construed to affect local requirements relating to land use, zoning, fire districts or other similar requirements.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.05 Verification of a qualified historic building.** If an owner elects to be subject to ch. ILHR 70, the owner shall prove that the building is a qualified historic building submitting a verification of historic building status form that is signed by the state historical preservation officer or an

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authorized municipal officer, verifying that the building is a qualified historic building.

Note 1: See Appendix for an example of the verification of historic status form.

Note 2: See Appendix for information on the certification of historic preservation ordinances.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.06 Application of historic building code.** (1) **QUALIFIED HISTORIC BUILDINGS.** Except as specified in sub. (2), if an owner elects to be subject to ch. ILHR 70, ch. ILHR 70 shall be applied in its entirety.

(2) **TOTALLY PRESERVED BUILDINGS USED AS HISTORICAL EXHIBITS.** Any qualified historic building that is totally preserved and used solely as a historical exhibit shall comply with the requirements specified in subch. XI.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

#### Subchapter II — Administration & Enforcement

**ILHR 70.07 Plan examination.** (1) **PLAN SUBMITTAL.** Plans and specifications for all qualified historic buildings subject to ch. ILHR 70 shall be submitted in accordance with the following:

(a) *Altered or remodeled.* If a qualified historic building is remodeled or altered and that portion being remodeled or altered affects the structural strength, fire hazard, exits of the building, required natural lighting, or replacement of major equipment, plans and specifications shall be submitted to the department or its authorized representative for examination and approval.

(b) *Change in use.* If a qualified historic building is changed to a new use, or converted from a use as a nonpublic building to a public building, plans and specifications showing compliance with this chapter shall be submitted to the department or its authorized representative as specified in s. ILHR 50.21 for examination and approval before commencing work.

(2) **BUILDINGS EXEMPT FROM DEPARTMENT PLAN SUBMITTAL.** (a) *Preserved, renovated, repaired, or restored buildings.* Plans and specifications are not required to be submitted to the department for qualified historic buildings that are preserved, renovated, repaired or restored and the use remains unchanged from the time of original construction.

(b) *Totally preserved buildings used as historical exhibits.* If a qualified historic building complies with subch. XI for a totally preserved building used as a historical exhibit, plans and specifications are not required to be submitted to the department or its authorized representative for examination and approval.

(3) **PLANS, SPECIFICATIONS AND DATA.** If plans and specifications are required to be submitted, at least 4 complete sets of plans, which are clear, legible and permanent copies, and one copy of specifications and data shall be submitted for examination.

(a) *Preparation.* Plans and specifications shall be prepared as specified in ss. ILHR 50.07 and 50.08. All plans shall contain the name of the owner and the address of the building. The signature and stamp or seal of the Register, September, 1986, No. 369

architect, engineer or designer who prepared the plans shall appear on the title sheet, in accordance with s. A-E 1.04 (4), Wis. Adm. Code, registration seals.

(b) *Building plans.* The building plans shall provide sufficient information to evaluate whether the building conforms to the requirements of this chapter and shall include the following.

1. *Plot plan.* The location of the building with respect to all property lines, adjoining streets, alleys and any other buildings on the same lot or property shall be indicated on the plot plan.

2. *Floor plans.* Floor plans shall be provided for each floor. The size and location of all rooms, doors, windows, firewalls, toilet facilities, structural features, exit passageways, exit lights, fire alarms, standpipes, stairs and other pertinent information shall be indicated. Schematic exit plans shall be provided indicating normal paths of egress.

3. *Elevations.* The elevations shall contain information on the exterior appearance of the building and indicate the location and size of doors, windows, roof shape, chimneys, exterior grade, footings and foundation walls, and include information about the exterior materials.

4. *Sections and details.* Sections and details shall include information to clarify the building design.

(c) *Footing and foundation.* If footing and foundation plans are required to be submitted, at least 4 complete sets of footing and foundation plans including plot plans, schematic floor plans showing exits, elevations and itemized structural loads shall be submitted to the department.

(d) *Heating, ventilating and air conditioning plans.* Heating, ventilating and air conditioning plans shall indicate the layout of the system, including location of equipment and size of all piping, duct work, dampers, fire dampers, chimneys, vents and controls. The quantity of outside air introduced to each zone, and the quantity of supply air and exhaust air for each room shall be listed on the plans. The type of equipment and capacity, including the input and output, shall be indicated on the plans or equipment schedules, unless indicated in the specifications.

(e) *Specifications.* The specifications shall be properly identified with the drawings and describe the materials and the workmanship.

(4) **STRUCTURAL REPORT.** When plans and specifications are required to be submitted to the department or its authorized representatives a structural report as specified in subch. VI which identifies the structural condition of the building shall be submitted with the plans.

(5) **APPROVAL APPLICATION FORMS.** (a) *Plan approval application.* A plan approval application form SB-118 shall be submitted along with the plans and specifications as required in par. (3).

(b) *Verification form.* A verification of historic status form shall be submitted and signed by the state historic preservation officer or an authorized municipal official verifying that the building is a qualified historic building.

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(c) *Building evaluation form.* When the building evaluation method is used, a completed building evaluation form as specified in s. ILHR 70.23 shall be submitted.

Note: See Appendix for example of form SB-118.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.08 Approvals.** (1) **DEPARTMENT APPROVAL.** The department or its authorized representative shall review and make a determination on an application for plan review within 15 business days of receipt of the application and all forms, fees, plans and documents required to complete the review.

(a) *Plan approval.* 1. *Conditional approval.* If, upon examination, the department or its authorized representative determines that the plans and the application for approval substantially conform to the provisions of ch. ILHR 70, a conditional approval, in writing, shall be granted. All non-code-complying conditions stated in the conditional approval shall be corrected before or during construction. A conditional approval issued by the department shall not be construed as an assumption of any responsibility for the design or construction of the building.

2. *Denial of approval.* If the department or its authorized representative determines that the plans or the application do not substantially conform to ch. ILHR 70, the application for conditional approval shall be denied, in writing.

(b) *Footing and foundation approval.* Upon submission of 4 sets of footing and foundation plans, a plans approval application form, structural foundation calculations and a fee, the department or its authorized representative, may conditionally approve the footing and foundation plans to permit construction of the footings and foundations for a relocated qualified historic building. The department or its authorized representative shall review and make a determination on an application for footing and foundation approval within 15 business days of receipt of the application and all forms, fees, plans and documents required to complete the review.

(c) *Permission to start construction.* Upon submission of the plans approval application form, 4 complete sets of building plans and one copy of specifications, a written request by the owner to start construction, and a fee, the department or its authorized representative may issue a permission to start construction form for the footings and foundations for a relocated qualified historic building. The department shall review and make a determination on an application for permission to start construction within 3 business days of receipt of the application and all forms, fees, plans and documents required to complete the review.

Note 1: A permission to start construction form (form SB-198) is illustrated in the Appendix.

Note 2: An approved permission to start construction does not constitute a building permit. Building permits may have to be obtained from the local authorities having jurisdiction in accordance with local regulation and ordinances.

Note 3: Section 66.036, Stats., prohibits issuance of building permits by counties, cities, towns or villages for structures requiring connection to a private domestic sewerage treatment and disposal system unless the system satisfies all applicable requirements and all necessary permits for such system have been obtained.

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(2) **MUNICIPAL OR FIRST CLASS CITY ENFORCEMENT.** Any certified municipality or first class city complying with s. ILHR 50.21 may administer and enforce ch. ILHR 70.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.09 Evidence of plan approval.** The architect, engineer, designer, builder, or owner shall keep at the building site one set of plans bearing the stamp of conditional approval and a copy of the specifications. The plans shall be open to inspection by the department or its authorized representative.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.10 Revocation of approval.** The department may revoke any approval issued under the provisions of ch. ILHR 70 for any false statements or misrepresentation of facts on which the approval was based.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.11 Expiration of plan approval.** Plan approval by the department or its authorized representative shall expire one year after the date indicated on the approved plans if construction has not commenced within that year or if there has been a break in significant construction activity of more than one year.

Note: According to s. 66.05 (1) (a), Stats., the local governmental body or building inspector may order the razing of buildings or structures, or portions thereof, where there has been a cessation of normal construction for more than 2 years.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.12 Inspections.** Inspections shall be conducted by the department or its authorized representative to ascertain whether the construction or installations conform to the conditionally approved plans, the conditional approval letter, and provisions of ch. ILHR 70.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.13 Fees.** (1) **DEPARTMENT FEES.** Fees for plan examination and inspection as specified in ch. Ind 69.09 and fees for petitions for variances, as specified in ch. Ind 69.15 shall be submitted to the department with the appropriate completed application form and the plans and specifications.

(2) **MUNICIPAL FEES.** Municipalities providing plan examination and building inspection services may establish, by ordinance, fees to cover expenses for plan examination and inspection. Fees shall be submitted to the municipality in accordance with the municipal regulations and ordinances.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.14 Petition for variance.** The department may grant a variance to any rule in ch. ILHR 70 if the owner demonstrates that an alternative proposed by the owner meets the intent and purpose of the rule.

(1) **SUBMITTAL REQUIREMENTS.** The variance request shall be submitted on forms provided by the department supplemented by sufficient additional information as required by the department to make an analysis and determination, along with the appropriate processing fees.

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(2) **PETITION PROCESSING TIME.** The department shall review and take an action on all petitions for qualified historic buildings within 10 business days of receipt of all calculations, documents and fees required to complete the review.

(3) **CONDITIONS OF PETITION FOR VARIANCE.** The department may impose specific conditions in a petition for variance to promote the protection of the health, safety or welfare of employes or the public. Violations of those conditions, under which the petition is granted, constitute a violation of the rules.

**Note 1:** See Appendix A for an example of the petition for variance (form SB-8) and the fire department position statement (form SB-8A).

**Note 2:** Chapter ILHR 3, outlines the procedure for submitting petitions to the department and the department procedures for hearing petitions.

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.15 Penalties.** Penalties for violations of ch. ILHR 70 shall be assessed in accordance with s. 101.02, Stats.

**Note 1:** Section 101.02 (13) (a), Stats., indicates penalties will be assessed against any employer, employe, owner or other person who fails or refuses to perform any duty lawfully enjoined, within the time prescribed by the department, for which no penalty has been specifically provided, or who fails, neglects or refuses to comply with any lawful order made by the department, or any judgment or decree made by any court in connection with ss. 101.01 to 101.25. For each such violation, failure or refusal, such employe, owner or other person must forfeit and pay into the state treasury a sum not less than \$10 nor more than \$100 for each violation.

**Note 2:** Section 101.02 (12), Stats., indicates that every day during which any person, persons, corporation or any officer, agent or employe thereof, fails to observe and comply with an order of the department constitutes a separate and distinct violation of such order.

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86.

### Subchapter III — Definitions

**ILHR 70.17 Definitions.** In this chapter:

(1) "Altered" or "alterations" means to modify a qualified historic building which affects the structural strength, fire hazard, access for the disabled, energy conservation, heating and ventilating, or electrical systems yet retains some original or restored architectural elements or features.

(2) "Authorized representative" means any first class city or certified municipality as specified in s. ILHR 50.21.

(3) "Building" means any structure used or intended for supporting or sheltering any use or occupancy.

(4) "Certified municipal register of historic property" means a register of historic property which is part of a historic preservation ordinance promulgated by a city, village, town or county if the ordinance is certified by the state historical society under s. 44.22 (6) (j) and (9), Stats.

(5) "Change in use" means the process of adapting a building to accomplish a use other than that for which it was originally designed, but does not mean a change of use within an occupancy chapter.

**Note:** For example a factory (ch. ILHR 54) being converted to multi-family housing (ch. ILHR 57) or a one-and 2-family dwelling (exempt from department code regulations) converted to a gift shop (ch. ILHR 54).

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(6) "Department" means the department of industry, labor and human relations.

(7) "Historic fabric" means the original materials, and portions of the building still intact when exposed or as they appeared and were used in the past.

(8) "Historic aspect" means the particular features of the historic site, building or structure that gives it its historic significance.

(9) "National register of historic places in Wisconsin" means the places in Wisconsin that are listed on the national register of historic places maintained by the U.S. department of the interior.

(10) "Occupancy" means the purpose for which a building or structure is used or intended to be used as regulated in the prevailing code.

(11) "Occupancy chapter" means a classification of similar uses designated under a chapter heading in the prevailing code, including ch. ILHR 54, factories, office and mercantile buildings, ch. ILHR 55, theaters and assembly halls, ch. ILHR 56, schools and other places of instruction, ch. ILHR 57, residential occupancies, ch. ILHR 59, hazardous occupancies, ch. ILHR 60, child day care facilities, and ch. ILHR 62, specialty occupancies.

(12) "Original material" means those features or elements of a qualified historic building or structure that have some historic significance.

(13) "Preserved" means maintaining a qualified historic building in its present condition or as originally constructed.

(14) "Prevailing code" means the most current edition of chs. ILHR 50 - 64 building and heating, ventilating and air conditioning code.

(15) "Qualified historic building" means a building which is:

(a) Listed on, or nominated by the state historical society for listing on, the national register of historic places in Wisconsin;

(b) Included in a district which is listed on, or has been nominated by the state historical society for listing on, the national register of historic places in Wisconsin, and has been determined by the state historical society to contribute to the historic significance of the district;

(c) Listed on a certified municipal register of historic property; or

(d) Included in a district which is listed on a certified municipal register of historic property, and has been determined by the municipality to contribute to the historic significance of the district.

(16) "Reconstituted" means a qualified historic building that is reassembled piece-by-piece on the same site or new site.

(17) "Relocated" means any qualified historic building or a portion of a qualified historic building that will be moved to a new location.

(18) "Remodeled" means to substantially change the structure of a qualified historic building, including load-bearing and non-loading walls or partitions or both; change the location of exits; or change the toilet facilities; but shall not include maintenance, redecoration, reroofing or alteration of mechanical or electrical systems.

(19) "Renovated" means to make sound again any structure by cleanup and replacement of deteriorated detail or structure.

(20) "Repaired" means to replace, cleanup, rebuild or renew any portion of a qualified historic building for the purpose of its maintenance.

(21) "Reproduced" means the process of rebuilding an entirely non-existent structure to its original appearance through archival and archeological investigation.

(22) "Restored" means the process of accurately recovering, by the removal of later work or the replacement of missing earlier work, as it appeared at a particular period of time.

(23) "Structural deterioration" means a decline in the original strength of a structural element caused by fire, water, wind, snow, insects, age or excessive loading, which result in cracks, distortions, deflections, misalignments, abrasion, erosion or corrosion to the structure.

(24) "Test-of-time" means a structure that has over a period of time withstood the combined service loads and environmental stresses imposed upon it and shows no sign of serious deterioration.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

#### Subchapter IV — Building Evaluation Method

**ILHR 70.20 Scope.** This subchapter provides an alternative method for determining code compliance for a qualified historic building being remodeled, altered or changed in use.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.21 Building evaluation method.** The building evaluation method established in this subchapter provides a method for evaluating the degree of life safety of a qualified historic building by comparing 17 building safety parameters with the requirements of the prevailing code.

(1) **LIFE SAFETY.** The degree of life safety is measured in terms of:

(a) *Fire safety.* The category of fire safety includes the building safety parameters affecting the structural fire resistance, detection, alarm and extinguishing features of a qualified historic building.

(b) *Means of egress.* The category of means of egress includes those building safety parameters of a qualified historic building affecting safe evacuation.

(c) *General safety.* The category of general safety includes all the safety building parameters under fire safety and means of egress.

(2) **SEVENTEEN BUILDING PARAMETERS.** A qualified historic building shall be evaluated using the 17 building safety parameters indicated in Table 70.21.

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Table 70.21

1. Number of Stories	9. Smoke detection
2. Building Area	10. Fire Alarms
3. Building Setback	11. Smoke Control
4. Attic Compartmentalization	12. Exit Capacity
5. Firestopping	13. Dead ends
6. Mixed Occupancies	14. Maximum Travel
7. Vertical Openings	15. Emergency Lighting
8. HVAC Systems	16. Elevator Control
	17. Sprinklers

(3) **DETERMINING NUMERICAL VALUE.** Each building safety parameter shall be evaluated using the criteria specified under that particular building safety parameter [ILHR 70.22 (1) - (17)] in order to determine the degree of life safety provided by the qualified historic building and the numerical value assigned for the degree of life safety.

(a) Numerical values may not be interpolated and shall be listed according to value and positive (+) or negative (-) sign.

(b) Numerical values may not be assigned to those spaces on the summary sheet identified with NA.

(c) Where a building parameter does not apply, a value of zero (0) shall be assigned.

(4) **BUILDING EVALUATION FORM.** After the numerical value has been determined for each building safety parameter the same numerical value shall be entered on the Building Evaluation form in s. ILHR 70.23 under each of the life safety categories titled, "Fire Safety", "Means of Egress" and "General Safety" for each building parameter.

(5) **TOTAL BUILDING SAFETY SCORE.** After each building parameter of the building is evaluated, the numerical values shall be algebraically summed or totaled according to value and sign for each column on the evaluation form in s. ILHR 70.23 for fire safety, means of egress and general safety to determine a total building safety score.

Note:  $(+5) + (-5) = 0$ ;  $(+5) + (-5) + (+5) = +5$ .

(a) If the total building safety score under each column is equal to or greater than zero, the qualified historic building is considered to be a code complying building and may be used for the proposed use.

(b) If the total building safety score of any one of the columns related to fire safety, means of egress or general safety is less than zero, additional safety measures shall be provided to bring the total numerical score of that column to a value which is equal to or greater than zero.

(6) **FILING OF BUILDING EVALUATION FORM.** A copy of the building evaluation form shall be submitted with the plans and specifications.

(a) *Single use.* One building evaluation form shall be completed for a qualified historic building containing a single use or a similar use within the same occupancy classification or where an occupancy separation is not provided.

(b) *Mixed uses.* One building evaluation form for each use shall be completed for a qualified historic building containing uses not within the same occupancy classifications, separated by an occupancy separation.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.22 Building evaluation procedures.** When the building evaluation method is used, the process specified in this section shall be used in its entirety. The building evaluation method analyzes a qualified historic building in accordance with the building safety parameters specified in this section and compares them against the prevailing code to determine a numerical value of safety provided in the qualified historic building.

(1) **NUMBER OF STORIES.** (a) 1. The class of construction of the qualified historic building shall be determined by comparing the actual building elements to those specified in s. ILHR 51.03. The class of construction shall be based on that which most closely represents one of the 8 classes of construction as described in s. ILHR 51.03.

2. Buildings with different classes of construction shall be separated with a class of construction separation specified in the prevailing code unless the lowest class of construction is used as the basis for the evaluation.

(b) The allowable number of stories for the class of construction of the qualified historic building shall be determined in accordance with the prevailing code; ss. ILHR 51.02, 51.03 including Table 51.03-A, and the class of construction or height requirements or both as specified in the applicable occupancy chapters.

(c) A single numerical value from Table 70.22-1 shall be determined and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, number of stories, for fire safety, means of egress and general safety.

TABLE 70.22-1

Safety Parameter/Number of Stories	Numerical Value (per story)
Each story above the maximum number of stories allowed	- 5
Complies with prevailing code	0
Each story below the maximum number of stories	+ 5 (maximum value, + 10)

(2) **BUILDING AREA.** (a) The allowable building area of a qualified historic building shall be determined using the allowable area requirements for the class of construction and use as specified in the prevailing code; ss. ILHR 51.03 including Table 51.03-A, and the allowable area requirements specified in the applicable occupancy chapter.

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(b) If the qualified historic building has more stories than permitted by the prevailing code, the maximum number of stories allowed for that class of construction in the prevailing code shall be used to determine the maximum allowable area requirements for the building. (See example for determining the area.)

(c) When the entire building is protected by an approved automatic sprinkler system complying with the prevailing code, the allowable building area may be increased as specified in the prevailing code.

(d) Where an assembly hall is located in a building with other uses, the building shall comply with the class of construction requirements as specified in s. ILHR 55.02 which are based on the maximum capacities of the assembly hall.

(e) A single numerical value shall be determined from Table 70.22-2 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, building area, for fire safety, means of egress and general safety.

EXAMPLE FOR DETERMINING AREA

Existing Building Occupancy: Office building, ch. ILHR 54  
Class of Construction: Type 5B, exterior masonry, unprotected  
Number of Stories: 6 stories  
Street Frontage: 3 streets  
Floor Area: 12,000 sq. ft. per floor

Prevailing code requirements:  
Type 5B, exterior masonry, unprotected  
maximum number of stories: 3 stories  
maximum floor area: 16,000 sq. ft. per floor

$$\frac{12,000}{16,000} = 67\% \text{ of allowable}$$

TABLE 70.22-2

Building Area	Numerical Value
More than 150% of the allowed area	- 5
131% - 150% of allowed	- 4
121% - 130% of allowed	- 3
111% - 120% of allowed	- 2
90% to 110% of allowed area, or where code does not have area limitations	0
80% - 89% of allowed	+ 2
70% - 79% of allowed	+ 3
50% - 69% of allowed	+ 4
Less than 50% of the area allowed	+ 5

(3) **BUILDING SETBACKS.** (a) The building setback shall be compared with those specified in the class of construction requirements in the prevailing code; s. ILHR 51.03 including Tables 51.03-A and 51.03-B and the class of construction requirements in the applicable occupancy chapter.

(b) A single numerical value shall be determined from Table 70.22-3 using the worst case condition and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, building setback, for fire safety and general safety.

TABLE 70.22-3

Building Setbacks	Numerical Value
Closer than allowed under the prevailing code	- 2
Complies with prevailing code	0
Greater than the prevailing code	+ 2

(4) **ATTIC COMPARTMENTALIZATION.** (a) The attic area of a qualified historic building shall be evaluated against the compartmentalization standards specified in s. ILHR 51.02 (19) of the prevailing code.

(b) A single numerical value shall be determined from Table 70.22-4 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, attic compartmentalization, for fire safety and general safety.

(c) If the total attic area is less than 3,200 square feet, the numerical value is 0.

(d) All existing or proposed building features used or considered under this subsection shall be shown or indicated on the plans submitted for review. It will be assumed by the department that features not shown or indicated do not exist and will not be provided, and no credit under the subsection may be taken.

TABLE 70.22-4

Attic Compartmentalization	Numerical Value
Attic compartmentalized into areas greater than 3200 square feet	- 3
Complies with prevailing code (3200 square feet)	0
Attic compartmentalized into areas less than 2000 square feet	+ 3

(5) FIRESTOPPING. (a) The firestopping characteristics of a qualified historic building shall be evaluated in accordance with the firestopping requirements specified in s. ILHR 53.63 of the prevailing code.

(b) If the existing wall material is removed and the wall cavity is exposed, firestopping shall be provided in accordance with s. ILHR 53.63.

(c) A single numerical value shall be determined from Table 70.22-5 for the entire building based on the worst case condition and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. 70.23 under the safety parameter, firestopping, for fire safety and general safety.

TABLE 70.22-5

Firestopping	Numerical Value
No fire stopping or No verification of firestopping	- 5
Firestopping provided at basement and attic levels and wherever accessible	- 3
Complies with prevailing code (or verified)	0

(6) MIXED OCCUPANCIES. (a) Occupancy separations in a qualified historic building shall be evaluated as required under the occupancy chapters of the prevailing code: s. ILHR 51.08 and the occupancy separation requirements in the applicable occupancy chapters.

(b) A single numerical value shall be determined from Table 70.22-6 based on the worst case condition and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, mixed occupancies, for fire safety and general safety.

TABLE 70.22-6

Occupancy Separations	Numerical Value
No separation provided, but required	- 5
Provided, but 2-hours less than required	- 4
Provided, but 1-hour less than required	- 2
Complies with prevailing code for fire resistive ratings or no separation is required <sup>1</sup>	0
Provided and 1 or more hours greater than required	+ 2

<sup>1</sup> Where a 3 hour is required and a 4 hour is provided, the value shall be 0.

(7) **VERTICAL OPENINGS.** (a) The fire-resistive rating of enclosures of stairway exits, hoistways, escalator openings and other shafts within a qualified historic building or openings between 2 or more floors shall be evaluated in accordance with the prevailing code: s. ILHR 51.02 (11) and the enclosure requirements from the applicable occupancy requirements.

(b) Atriums more than 3 levels shall not be considered in the evaluation of vertical openings, but shall comply with s. ILHR 70.26.

(c) Where assembly halls are located in buildings with other uses, the required exits shall comply with the prevailing code.

(d) A single numerical value shall be determined in accordance with Table 70.22-7 based on the worst case condition and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, vertical openings, for fire safety, means of egress and general safety.

TABLE 70.22-7

Vertical Openings	Numerical Value (per shaft or opening)
No enclosure	- 3
Enclosure with no rating	- 2
Enclosure provided but 1-hour below the required protection level	- 1
Complies with prevailing code	0
1-hour required, but 2-hour provided	+ 1

(8) **HEATING, VENTILATING, AND AIR CONDITIONING.** (a) The number of floors in a qualified historic building served by an individual heating, ventilating, and air conditioning (HVAC) system shall be evaluated in accordance with the prevailing code.

(b) A single numerical value shall be determined from Table 70.22-8 and the numerical value and its sign, either positive or negative, shall be entered on evaluation form in s. ILHR 70.23 under the safety parameter, HVAC, for fire safety, means of egress and general safety.



TABLE 70.22-8

HVAC Systems	Numerical Value
Greater than 5-floor levels served by undampered duct system: combustibles in air plenums, or corridors used as air plenums.	-5
3 to 5-floor levels served by undampered duct system	-2
2-floor levels served by undampered duct system	-1
Complies with prevailing code or provided with fire dampers	0
Multi-level buildings having 1-floor level HVAC system or central system with no ducts serving other floor levels	+5

(9) SMOKE DETECTION. (a) A qualified historic building shall be evaluated for the building's ability to detect smoke from a fire, based on the location and operation of smoke detectors that are in addition to the smoke detectors required by the applicable occupancy chapters of the prevailing code.

(b) A single numerical value shall be determined from Table 70.22-9 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, smoke detection, for fire safety, means of egress and general safety.

TABLE 70.22-9

Smoke Detection	Numerical Value
Complies with prevailing code	0
Elevator lobby only and not required by chs. ILHR 50-64	+ 1
HVAC return only and not required by chs. ILHR 50-64	+ 2
HVAC return and elevator lobby and not required by chs. ILHR 50-64	+ 3
All corridors, in addition to those required by the code, including elevator lobbies <sup>1</sup>	+ 4
Total space with interconnection of smoke detectors and building fire alarm system and not required by chs. ILHR 50-64	+ 5

<sup>1</sup> If required detectors meet the requirements for corridor protection, enter 0.

(10) FIRE ALARMS. (a) The fire alarm system shall be evaluated in accordance with the prevailing code: s. ILHR 51.24 and the fire alarm requirements in the applicable occupancy chapter.

(b) A single numerical value shall be determined from Table 70.22-10 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, fire alarms, for fire safety, means of egress and general safety.

TABLE 70.22-10

Fire Alarms	Numerical Value
Manual fire alarm system required, but not provided	- 5
Manual fire alarm system required and provided, but does not comply with prevailing code	- 2
Complies with the prevailing code	0
Manual fire alarm system provided but not required <sup>1</sup>	+ 1
Manual fire alarm and voice alarm or manual fire alarm with public address system provided, but not required <sup>2</sup>	+ 3
Central control station <sup>3, 4</sup>	+ 4
Central control station and interconnected to a remote control station which is permanently monitored <sup>3, 4</sup>	+ 5

<sup>1</sup> If a numerical value of (+5) is taken under (9) smoke detection, the numerical value for this section is 0.

<sup>2</sup> Voice alarm and public address system shall be activated from a location which is occupied by an employee during all periods of building occupancy.

<sup>3</sup> The central control station must comply with s. ILHR 52.01 (2) (f).

<sup>4</sup> Fire department may require systems to be interconnected with the fire department.

(11) SMOKE CONTROL. (a) The ability to control the movement of smoke from a fire by natural or mechanical venting, exhaust or pressurization systems in a qualified historic building shall be evaluated in accordance with Table 70.22-11 for the entire building based on the worst case condition.

(b) A single numerical value shall be determined from Table 70.22-11 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, smoke control, for fire safety, means of egress and general safety.

(c) If a building is 2 stories or less in height, the numerical value is 0.

TABLE 70.22-11

Smoke Control	Numerical Value
Operable windows, that are operable without special keys or tools, are provided throughout the entire building, but not required	+ 2
Automatic smoke vents provided throughout entire building, but not required	+ 3
One smoke proof stair enclosure provided and building has operable windows, but neither required	+ 5
Pressurized stairs (all stairs) provided, but not required	+ 7
Engineered smoke control and removal system provided that covers the entire building, but not required	+ 10

(12) EXIT CAPACITY. (a) The means of egress by number of exits, location of exits, occupant load and capacity of exits in a qualified historic building shall be evaluated in accordance with the prevailing code: ss. ILHR 51.15, 51.151, and the exiting requirements specified in the applicable occupancy chapters.

(b) The minimum number of exits shall be provided as specified in the prevailing code for the applicable occupancy chapter.

(c) A single numerical value shall be determined from Table 70.22-12 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, exit capacity, for means of egress and general safety.

(d) If exiting differs on various floor levels, the worst case floor shall be evaluated.

TABLE 70.22-12

Exit Capacity	Number Value (per exit)
Complies with prevailing code	0
Horizontal exits are provided in addition to the required exits <sup>1</sup>	+ 2
Exits to grade or enclosed stairs exceed the minimum number of exits <sup>2</sup>	+ 3
Eliminate a fire escape exit and provide a code complying enclosed stairway exit serving 3 or more levels	+ 5

<sup>1</sup> No more than one-half the exits may be horizontal exits.

<sup>2</sup> Exits shall be at least 20 feet apart.

(13) **DEAD ENDS.** (a) The length of the travel path in which the building occupants are confined to a single direction of egress shall be evaluated in accordance with Table 70.22-13.

(b) Dead ends greater than 30 ft. are not permitted.

(c) The creation of new dead end corridors is prohibited.

(d) A single numerical value shall be determined from Table 70.22-13 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, dead ends, for means of egress and general safety.

TABLE 70.22-13

Dead Ends	Numerical Value (per dead end)
Dead ends more than 20 feet	- 5
Complies with prevailing code or dead ends less than 20 feet	0

(14) **MAXIMUM TRAVEL DISTANCE TO AN EXIT.** (a) The length of travel to a required exit in a qualified historic building shall be evaluated in accordance with the prevailing code: ss. ILHR 54.02 and 57.03 depending on the occupancy chapter.

(b) When the entire building is protected by an approved automatic sprinkler system, complying with the prevailing code, the travel distances may be increased as specified in the prevailing code.

(c) Travel distances that exceed 25% above the required limitations are not permitted.

(d) A single numerical value shall be determined from Table 70.22-14 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, maximum travel distance, for means of egress and general safety.

TABLE 70.22-14

Maximum Travel Distance	Numerical Value
111% - 125% of limit allowed	- 5
90% - 110% of prevailing code limit	0
50% - 89% of limit allowed <sup>1</sup>	+ 3
Less than 50% of limit allowed <sup>1</sup>	+ 5

<sup>1</sup> For residential occupancies no credit may be taken for reduced exit distance.

(15) EMERGENCY POWER. (a) The availability of emergency power for emergency lighting in a qualified historic building shall be evaluated in accordance with the prevailing code and ch. ILHR 16.

(b) A single numerical value shall be determined from Table 70.22-15 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, emergency power, for means of egress and general safety.

TABLE 70.22-15

Emergency Power	Numerical Value
Emergency power required, but not provided	- 5
Complies with prevailing code	0
Emergency power provided, but not required <sup>1</sup>	+ 2

<sup>1</sup> Does not apply to buildings 2 stories or less in height.

(16) ELEVATOR CONTROL. (a) The elevator equipment and controls that can be used by the fire department in a qualified historic building to rescue building occupants from upper floors during a fire when installed shall be evaluated in accordance with ch. Ind 4.

(b) A single numerical value shall be determined from Table 70.22-16 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, elevator control, for fire safety, means of egress and general safety.

TABLE 70.22-16

Elevator Control	Numerical Value
No elevators in buildings 3 stories or more in height	- 3
No elevator in buildings 2 stories or less in height	0
Elevator with fire department control in buildings 3 stories or less in height	+ 1
Elevator with automatic recall in buildings 3 stories or more in height	+ 4
Elevator with fire department control and automatic recall in buildings 3 stories or more in height	+ 5

(17) SPRINKLERS. (a) The sprinkler system provided in a qualified historic building shall be evaluated in accordance with the prevailing code: ss. ILHR 52.01 and 52.015 and the applicable occupancy chapters.

(b) A single numerical value shall be determined from Table 70.22-17 and the numerical value and its sign, either positive or negative, shall be entered on the evaluation form in s. ILHR 70.23 under the safety parameter, sprinklers, for fire safety, means of egress and general safety.

(c) If the building area evaluation was based on sprinkler protection as allowed by sub. (2) (c), the numerical value under this section is 0.

TABLE 70.22-17

Sprinklers	Numerical Value
System required but not provided <sup>1</sup>	- 5
Existing sprinkler system is required but does not meet prevailing code <sup>2</sup>	- 1
Sprinkler system is not required and not provided	0
Sprinkler system required and provided in accordance with the prevailing code	0
Existing sprinkler system is not required and does not meet prevailing code <sup>2</sup>	+ 1
Sprinklers provided in unseparated hazardous areas and exit passageways, but not required	+ 3
Partial sprinkler system is provided throughout at at least 75% of the building, but not required	+ 5
If sprinkler system is required, and regular sprinkler heads are replaced with quick response heads	+ 5
Complete sprinkler system provided throughout entire building, but not required	+ 7
Complete sprinkler system complying with NFPA 13 for quick response heads is provided throughout the entire building, but not required <sup>3</sup>	+ 10

<sup>1</sup> If - 5 was entered under sub. (2), numerical value is 0.

<sup>2</sup> Does not apply to partial systems.

<sup>3</sup> If - 5 was entered under sub. (2), numerical value is + 5.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.23 Building evaluation form.** The numerical values determined in s. ILHR 70.22 shall be entered in Table 70.23.

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TABLE 70.23

Safety Parameters	Fire Safety	Means of Egress	General Safety	Comments
1. Number of Stories				
2. Building Area				
3. Building Setback		NA		
4. Attic Compartmentalization		NA		
5. Firestopping		NA		
6. Mixed Occupancies		NA		
7. Vertical Openings				
8. HVAC Systems				
9. Smoke Detection				
10. Fire Alarms				
11. Smoke Control	NA			
12. Exit Capacity	NA			
13. Dead Ends	NA			
14. Maximum Travel Distance	NA			
15. Emergency Power	NA			
16. Elevator Control				
17. Sprinklers				
<b>TOTAL SAFETY SCORE</b>				

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**Subchapter V — Miscellaneous Building Requirements**

**ILHR 70.25 Purpose.** The purpose of this subchapter is to provide alternative building standards for qualified historic buildings.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

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**ILHR 70.26 Atriums.** Where the use of a qualified historic building is changed to a new use and an atrium exists, the atrium may remain subject to the following:

(1) **THREE LEVELS OR LESS.** Except as provided in sub. (3), atriums in a qualified historic buildings serving 3 levels or less may remain as constructed; however, the atrium will be considered an unenclosed shaft under s. ILHR 70.22 (7).

(2) **MORE THAN THREE LEVELS.** Atriums in qualified historic buildings serving more than 3 levels, but not exceeding 8 levels, may be permitted subject to the requirements in the prevailing code or the alternate atrium standards specified in sub. (3).

(3) **ALTERNATE ATRIUM STANDARDS.** (a) *Separations.* The atrium opening shall be separated at each floor by non-rated partitions or glazing.

(b) *Doors.* Doors shall be provided in the openings separating the atrium from the floor.

1. Existing doors may be non-rated.

2. New doors shall be of a solid wood core type or particleboard core type door and may have glazing. Door frames may be of wood.

3. All doors shall be automatic self-closing in accordance with the prevailing code. The hold-open device shall be activated by a product of combustion detector which responds to products of combustion other than heat.

(c) *Smoke detection.* A smoke detection system, interconnected to a building fire alarm system, shall be provided on each floor at the atrium perimeter.

(d) *Smoke removal.* A mechanical smoke removal system shall be provided at the top of the atrium to exhaust smoke to the outside.

1. The smoke removal system shall be activated by activation of 2 or more of the detectors required by par. (c).

2. The smoke removal system shall exhaust 6 air changes per hour based on the volume of the atrium and spaces open to the atrium but not less than 40,000 CFM.

3. The smoke removal system shall be subject to s. ILHR 52.07 (11) and (12).

(e) *Exiting.* At least one exit shall be provided from each space on each floor level that is independent of any exit located in or through the atrium.

(4) **NEW ATRIUMS.** Atriums constructed on or after January 1, 1986, shall comply with the requirement of the prevailing code.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.27 Roof coverings.** Existing roof coverings not in conformance with the ratings specified in Table 51.03-A of the prevailing code may be allowed to remain on the building. Repairs may be made up to 50% of the entire roof surface with materials that match the existing roof coverings. If more than 50% of the entire roof surface needs to be repaired, the

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roof covering shall conform to the requirements of the prevailing code. Where wood shingles are utilized to preserve the historic features, the shingles shall be of a fire treated type and of a class C rating.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.28 Illuminated exit signs.** Exit signs shall be provided in accordance with s. ILHR 51.15 (5).

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.29 Fire escapes.** (1) **PERMITTED USES.** Existing fire escapes constructed in accordance with s. ILHR 51.20 may continue to be used as an exit unless the building use is changed to a use where fire escapes are not permitted.

(2) **HEIGHT ABOVE GRADE.** Existing fire escapes are restricted as follows:

(a) *Buildings approved prior to 1914.* Buildings having fire escapes constructed prior to September 14, 1914, shall be permitted to remain as built.

(b) *Buildings approved on or after September 15, 1914, but prior to 1942.* Fire escapes used on buildings constructed after September 15, 1914, but prior to January 1, 1942 shall not exceed 60 feet in height, except that fireproof buildings may have fire escapes up to 90 feet in height.

(c) *Buildings approved on or after January 1, 1942.* Fire escapes used on buildings constructed after January 1, 1942 may not exceed 55 feet in height or 5 stories.

(3) **EXITS TO FIRE ESCAPES.** Every fire escape shall be accessible from a public passageway, or shall be directly accessible from each occupied room. Exits to fire escapes shall be standard exit doors as specified in s. ILHR 51.15, except that doors to "A" fire escapes may be reduced to not less than 2 feet 6 inches wide. Access to a required fire escape platform may be provided with an interior stairs complying with s. ILHR 51.16.

(4) **STRUCTURAL ANALYSIS.** All existing fire escapes intended to be used as a required exit shall be inspected, structurally analyzed or load tested prior to use. A written report from the engineer or architect stating the results of the inspection and structural analysis or load test shall be submitted to the department. The report shall document the physical condition of the fire escape, condition of the attachment of the fire escape to the exterior wall and capacity of the fire escape to support imposed loads. The report shall outline what corrective action is necessary, if any, and shall be submitted to the department.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.30 Stairway requirements.** Except for the following, existing required exit stairways shall comply with the prevailing code:

(1) **WIDTH.** Minimum stairway width shall be at least 3 feet - 0 inches.

(2) **RISER AND TREADS.** (a) *Ten or less people.* Existing stairways serving 10 or less people may have riser and tread dimensions not to exceed a 45° angle with the horizontal.

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(b) *More than 10 people.* All required exit stairways shall have a uniform rise of not more than 7½ inches and a uniform tread not less than 9½ inches, measuring from riser to riser and tread to tread.

(3) **HANDRAILS.** Except for the following, handrails shall comply with the prevailing code.

(a) *Extensions.* The 12-inch handrail extension as specified in s. 51.16 (4) at the bottom and top of stairways does not apply to existing stairways.

(b) *Openings below top rail.* Existing handrails protecting the open sides of stairways and ramps may have an opening no larger than 12 inches between the rails.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.31 Guardrails.** Except for the following, guardrails shall comply with the prevailing code.

(1) **HEIGHT.** If the height of a guardrail is less than 36 inches, an additional rail shall be provided to the top of the rail to increase the overall height to 42 inches.

(2) **OPENINGS BELOW TOP RAIL.** Additional rails provided in accordance with sub. (1) shall be installed such that the distance between the 2 top rails do not allow the passage of an object with a diameter larger than 12 inches.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.32 Doors.** Exit door size and swing shall comply with the prevailing code. Double doors may be used with a door leaf less than 32 inches in width provided the total door width measures at least 36 inches.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.33 Sanitary facilities.** Sanitary facilities shall be provided in accordance with the prevailing code.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

#### Subchapter VI — Alternate Structural Requirements

**ILHR 70.35 Purpose.** The purpose of this subchapter is to insure that qualified historic buildings are structurally sound, while allowing the significant historic fabric of the building to remain.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.36 Scope.** All qualified historic buildings shall meet the loading requirements specified in this subchapter.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.37 Application.** (1) **ALTERNATE STRUCTURAL REQUIREMENTS.** Except as provided in sub. (2), this subchapter applies to historic buildings being:

- (a) Reconstituted;
- (b) Repaired;
- (c) Remodeled; or

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(d) Changed in use.

(2) **NON-HISTORIC ADDITIONS AND ALTERATIONS.** (a) *Structurally separated.* New additions which are structurally separated from the existing qualified historic structure shall comply with the loading requirements of ch. ILHR 53.

(b) *Affect existing structure.* New additions or alterations which impose vertical or lateral loads on an existing qualified historic building are not permitted unless the supporting structure of the qualified historic building is capable of supporting the imposed load or unless the structure is augmented to meet the additional imposed loads.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.38 Structural report.** (1) **WHEN REQUIRED.** A structural report shall be prepared on historic structures in accordance with the following:

(a) *Less than 25%.* When a qualified historic building is remodeled or changed in use which affects less than 25% of the total area of the building, a structural analysis shall be performed on that portion being remodeled.

(b) *25% or more.* When a qualified historic building is remodeled or changed in use which affects 25% or more of the total area of the building, a complete structural analysis shall be performed on the entire building.

(c) *Reconstituted building.* Prior to reconstituting any vacant qualified historic building, a structural analysis of the entire building shall be performed.

(d) *Repairs and replacements.* If any part of a historic building is repaired or replaced, a structural analysis shall be performed on that portion being repaired or replaced showing that the repair or replacement equals or exceeds the structural capability of the part being repaired or replaced.

(2) **VISUAL EXAMINATION.** A visual examination shall be made by an engineer or architect to determine if the building structure has cracks, distortions, sagging, excessive deflections, significant misalignment, signs of leakage and peeling of finishes caused by fire, wind, water or snow.

(3) **ANALYSIS.** A structural analysis shall be prepared by a Wisconsin registered engineer or architect which describes the structural condition of the building.

(a) The analysis shall demonstrate that the building structure can support the imposed live loads.

(b) An analysis shall be made of the floors to determine the actual load carrying capacity.

(c) An analysis shall be made of the roof to determine the actual load carrying capacity or, the architect or engineer shall submit a statement, signed and sealed that the roof structure has stood the test of time [ILHR 70.39 (2)].

(d) An analysis shall be made to determine if the structural frame can carry all combined loads.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.39 Alternative standards.** The alternative standards for loading and materials may be used in lieu of those in the prevailing code.

(1) **FLOOR LIVE LOADS.** (a) *Reductions.* Except for storage areas and assembly occupancies, the following floor live loads may be used in all occupancies in lieu of augmenting the structure to accommodate the required loading specified in the prevailing code.

1. The live load specified in the prevailing code may be reduced by 15% for flexure if 3 or more wood structural members are spaced less than 24 inches on center and are joined by a load distributing element. This live load reduction may not be applied to the supports or if the original design used repetitive allowable stresses.

2. The reductions specified in the prevailing code for large tributary areas which comply with s. ILHR 53.11 (3) may be used.

3. The live load specified in the prevailing code may be reduced by 10% if the existing structure provides a 2-hour fire-resistive rating. This reduction may be applied to steel and concrete systems only.

4. The permitted reductions specified in subsds. 1.-3. are not to be used cumulatively.

(b) *Posting.* If the actual live load capability is less than the required live load specified in the prevailing code, the actual live capability load shall be conspicuously posted and no greater load may be imposed upon the building.

(2) **TEST OF TIME STANDARD.** The test of time standard may be applied in lieu of meeting the design load requirements for roof dead load, live load and wind load specified in the prevailing code where no change of loading will occur, providing:

(a) The historic building has been determined to support the imposed floor loads; and

(b) The building has stood for more than 20 years with no visible signs of deterioration.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.40 Use of archaic materials.** This section establishes alternative standards that may be used to evaluate the performance of archaic materials and assemblies in qualified historic buildings.

(1) **ALLOWABLE STRESSES AND CONSTRUCTION REQUIREMENTS.** Allowable stresses and construction requirements for archaic materials may be assigned on the basis of comparison with similar conventional codified materials or tests or both.

(a) *Archaic codes.* Whenever possible, allowable stresses and construction requirements shall be assigned on the basis of the code in effect at the time of construction.

(b) The allowable stresses may be determined as follows:

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1. Wood. Unless wood is laboratory tested, the allowable stress shall not exceed the lowest allowable stress for that particular species and grade. If the grade and species can not be determined, the allowable stress for the lowest grade and species may be used.

2. Masonry. Allowable stresses for masonry may be determined by laboratory results.

3. Steel. The allowable stresses for steel may be determined using earlier editions of steel design manuals for the period when the steel was fabricated.

4. Concrete. The allowable stresses for concrete may be determined using earlier editions of concrete design manuals.

(2) **STRUCTURAL CHANGES.** Structural changes to buildings that are restored, altered or repaired may be made with the same materials of which the existing building or structure was constructed in order to maintain historical integrity.

(3) **FIRE RESISTANT PROPERTIES.** (a) The fire resistance of an archaic building element may be determined from tables on fire ratings of archaic materials and assemblies recognized by the department and in accordance with the following conditions:

1. The building element shall be constructed of materials with the same dimensions and properties as indicated in the tables;

2. The thickness shall be at least equal to, or greater than that specified in the tables;

3. All penetrations in the building element, or assembly, for electrical, plumbing and heating, ventilating and air conditioning systems shall be packed with noncombustible cementitious materials and so fixed that the packing material will not fall out when it loses its water of hydration; and

4. Any effect of age, wear and tear shall be repaired so that the building element is sound, and the original thickness of all components is maintained.

Note: The department recognizes fire ratings published in the Rehabilitation Guidelines 1980, volume 8, Guidelines on Fire Ratings of Archaic Materials and Assemblies prepared by the National Institute of Building Sciences for the U.S. Department of Housing and Urban Development.

(b) Fire resistance ratings for a building element may be determined by:

1. An actual test by an approved testing laboratory as specified in prevailing code;

2. Typical examples as listed in the prevailing code; or

3. An approved calculation method that utilizes the principles and theories of heat flow, mechanical properties, deflection, capacity and as outlined in the prevailing code.

(c) *New materials.* The fire resistance of any new assembly or materials shall conform to the provisions of the prevailing code.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

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## Subchapter VII — Alternate Accessibility Requirements

**ILHR 70.41 Purpose.** The purpose of this subchapter is to insure that qualified historic buildings provide access for people with physical disabilities, while maintaining the significant historic fabric or historic aspects of such buildings.

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.42 Application.** (1) **PREVAILING CODE.** Except as provided in sub. (2), the prevailing code on barrier-free design applies to:

- (a) All additions to qualified historic buildings;
- (b) Any qualified historic buildings where 50% or more of the total gross interior square footage of the building is remodeled; and
- (c) Any toilet facility or exit that is remodeled.

(2) **ALTERNATIVE ACCESS REQUIREMENTS.** The alternative access requirements as specified in this subchapter may be applied to:

- (a) Qualified historic buildings undergoing less than 50% of the total gross square footage of the building remodeled; and
- (b) Qualified historic buildings where the state historical society's preservation officer, the certified municipality's preservation officer, or the U.S. department of the interior determines that strict compliance with the prevailing code would destroy the historical fabric or historical aspects of the building or site.

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.43 Alternate access requirements.** The alternate access requirements in this subchapter are to assure equivalent access and use of a qualified historic building by people with physical disabilities by permitting requirements and measurements that differ from the prevailing code.

(1) **ACCESS TO A PRIMARY FLOOR.** If no public entrance of a qualified historic building can be made accessible without destroying the historical fabric, a grade level entrance or an approved lift may be used at any unlocked entrance not used by the general public. Signs providing directions to the accessible entrance shall be located at the primary entrance.

(2) **DOORS.** A public entrance door shall provide a minimum of 29½ inches of clear opening. Where double doors exist, the clear opening when both doors are open shall not be less than 29½ inches.

(3) **INTERIOR CIRCULATION.** Interior circulation shall be provided to a primary floor with interior circulation provided throughout at least ¾ of that floor area.

(4) **TOILET FACILITIES.** (a) 1. *Less than 200 capacity.* If the existing toilet facilities in buildings having a total capacity of less than 200 people cannot be made accessible in accordance with the prevailing code, a separate accessible unisex toilet complying with the prevailing code shall be provided within the building and located on an accessible floor.

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2. *200 or more capacity.* In buildings having a total capacity of 200 or more people separate accessible toilet rooms shall be provided in accordance with the prevailing code.

(b) In multi-storied buildings, accessible toilet room facilities shall be provided to serve each 5 floors or fraction thereof.

(5) **PARKING.** Where parking spaces are provided, accessible parking spaces shall be provided in accordance with the prevailing code.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.44 Access to totally preserved buildings used as exhibits.** Access to a primary floor shall be provided in totally preserved building complying with subch. XI.

(1) **RAMP.** A portable ramp with a slope not greater than 1:8 may be used only for access to historic buildings complying with subchapter XI for totally preserved buildings used as museums.

(2) **INTERIOR CIRCULATION.** Interior circulation is not required between floor levels in historic exhibits provided access to experiences, services, functions and materials and resources including but not limited to maps, plans, audio-visual aids and models are available on accessible floor.

(3) **TOILET FACILITIES.** Separate accessible toilet facilities for men and women may be located in another building on the same site as the historic building, providing the toilet facilities are not more than 200 feet from the historic building and that the toilet facility designs comply with the prevailing code.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

#### Subchapter VIII — Alternate Energy Conservation Requirements

**ILHR 70.46 Purpose.** The purpose of this subchapter is to provide alternative standards for qualified historic buildings for conserving energy, while maintaining the significant historic fabric or historic aspects of such buildings.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.47 Scope.** The prevailing code for energy conservation applies to all qualified historic buildings, except as provided in ss. ILHR 70.48 to 70.51.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.48 Application.** (1) **APPLICABLE BUILDINGS.** Except as provided in sub. (2), this subchapter shall apply to:

- (a) Qualified historic buildings undergoing remodeling;
- (b) Qualified historic buildings which undergo any change of occupancy or use which would increase the energy consumption; or
- (c) Replacement of heating and cooling equipment and lighting systems within qualified historic buildings.

(2) **EXEMPT BUILDINGS AND STRUCTURES.** The following buildings and structures are exempt from the provisions of the prevailing energy con-

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servation code as well as the alternative energy conservation requirements of this subchapter:

- (a) Totally preserved buildings used as historical exhibits; and
- (b) Seasonal use buildings.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.49 Definitions. In this subchapter:**

(1) "Accessible" means capable of being reached without undesired removal or alteration of any part or parts of the permanent structure, finish material or paved sidewalk or driveway which would cause damage to historic fabric. Cavities under floors, or unfinished attic areas are considered accessible.

(2) "Thermal resistance (R)" means a measure of the ability of materials to retard the transfer of heat. The R-value is the reciprocal of a heat transfer coefficient or thermal transmittance, expressed by U;  $R = 1/U$ .

Note: The higher R-value of a material, the more difficult it is for heat to flow through the material.

(3) "Thermal transmittance (U)" means the coefficient of heat transmission expressed in units of Btu per square foot per degree F per hour. It is the time rate of heat transfer. The U-value applies to combinations of different materials used in series along the path of heat transfer and also to single materials that comprise a building section, and includes cavity air spaces and surface air films on both sides.

Note: The lower the U-value of a material, the more difficult it is for heat to flow through the material.

(4) "Thermal performance" means the design heat loss, excluding infiltration and ventilation, through above-grade gross walls and roof and attic assemblies facing the conditioned interior.

(5) "Vapor barrier" means a material, including vapor barrier paint with a vapor transmission rate less than 1.00 perm.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.51 Alternative energy conservation requirements.** Except as specified in subs. (3) and (4), the alternative energy conservation requirements as specified in this subchapter may be applied to a qualified historic building where strict compliance with the prevailing code would destroy the historic fabric of the building.

(1) **INFILTRATION.** (a) *Windows and doors.* 1. All exterior windows and doors shall be gasketed or weatherstripped.

2. If the existing windows are replaced with factory manufactured windows, the windows shall be double glazed or equipped with interior or exterior storm windows.

(b) *Chimney flues.* Flues which are no longer in use shall be closed off and sealed against infiltration.

(c) *Exterior openings.* The following openings in the exterior building envelope shall be caulked, gasketed or otherwise sealed:

- 1. Exterior joints around window and door frames;

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2. At penetrations of utility services through walls, floors and roofs; and

3. Between the foundation and box sill.

(2) **THERMAL PERFORMANCE OF THE EXTERIOR ENVELOPE.** Historic buildings shall meet the minimum thermal performance values specified in the prevailing code shall or the prescriptive energy conservation measures specified in this subsection.

(a) *Attics.* Where accessible, insulation shall be installed in the attic to a level of R38. Minimum ventilation shall be provided above the ceiling or attic insulation. The free area of ventilation shall be at least 1/300 of the horizontal area. Vapor barriers shall be installed on the warm side of all insulation materials present in the attic. Access panels or doors to attics shall be insulated to a level of R5 if vertical or to a level of R19 if horizontal.

1. When adding insulation to existing attic insulation, do not use a material with an integral vapor barrier or install a vapor barrier between layers of insulation material; otherwise, condensation problems may result.

2. If cellulose insulation materials are used, the cellulose should be fire-proofed with chemicals other than sulfate compounds. Sulfate compounds may form sulfuric acid when in contact with moisture which could cause or accelerate structural deterioration.

(b) *Exterior walls.* All accessible exterior wall cavities shall be insulated to a level of R11 or completely filled with insulation. Where accessible, a vapor barrier shall be installed on the warm side of the insulation, facing the conditioned space. Where masonry walls are insulated from the interior, the walls shall be insulated to at least R10.

(c) *Box sills.* Where accessible, insulation shall be installed in box sills to a level of R19.

(e) *Doors.* Doors which are not of the original material shall be insulated, double glazed or equipped with a storm door. Where no vestibule exists, exterior doors which are not of the original material or are not replicas designed to be compatible with the historic aspects of the structure shall be insulated, double glazed or equipped with a storm door.

(f) *Floors over crawl spaces.* If accessible, insulation with an R-value of 11 or greater shall be installed in floors of crawl spaces.

(g) *Moisture control in crawl spaces.* Minimum ventilation shall be provided in unheated crawl spaces with insulated ceilings. The area of ventilation shall be at least 1/300 of the floor space. The area of ventilation shall be distributed equally to provide cross-ventilation. Where accessible, a vapor barrier shall be applied to cover the exposed earth.

(3) **HEATING AND COOLING EQUIPMENT.** The replacement of heating and cooling equipment which serves qualified historic buildings shall comply with the provisions of the prevailing code.

(a) *Alternative air handling duct insulation.* All ducts, plenums and similar enclosures serving qualified historic buildings shall be insulated as specified in the prevailing code.

(b) *Alternative pipe insulation.* All piping within qualified historic buildings shall be thermally insulated to the levels specified in the prevailing code where they may be made accessible.

(4) **WATER HEATING.** The replacement of water heating equipment in qualified historic buildings shall comply with the provisions of the prevailing code for energy conservation.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

#### Subchapter IX — Alternate Mechanical Requirements

**ILHR 70.55 Purpose.** The purpose of this subchapter is to ensure that qualified historic buildings are properly heated, ventilated and air conditioned, while allowing the significant historic fabric of the building to remain.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.56 Application.** (1) **ALTERNATE MECHANICAL REQUIREMENTS.** Except for historic exhibits and seasonal use buildings, used during the period of May 15 through September 15, all qualified historic buildings shall be provided with a heating system.

(a) The building shall be equipped with heating equipment that equals or exceeds the transmission losses and ventilation of infiltration losses, whichever are greater. The heat loss shall be based on the design criteria for outside temperatures and interior design temperatures for the specific use specified in the prevailing code.

(b) If the existing heating equipment output equals or exceeds the heat loss, the heating equipment may be used provided all the safety devices are in working order or the defective safety devices are replaced.

(c) If room sizes are increased and the heating equipment serving the room has sufficient capacity to meet the increased heat loss, the equipment may be used provided:

1. The equipment has sufficient capacity to meet the new heat loss and the equipment can operate safely at the increased temperature or pressure; and

2. Safety devices are repaired or replaced to operate at the increased temperature or pressure.

(d) If room sizes are increased and the heating equipment serving the room does not have sufficient capacity to meet the increased heat loss:

1. Additional equipment shall be added to meet the new heat loss; or

2. New heating equipment shall be provided to offset the additional heat loss.

(e) If rooms are reduced in size such that the resulting heat loss is less than that provided to the space, the existing equipment may be altered by reducing the heat to that space if reducing the heat does not affect the safety devices regulating the system.

(f) Any alteration or remodeling of existing heating equipment or systems shall conform to the prevailing code for that portion being remod-

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eled or altered. Unless replaced with a like kind, the replacement shall conform to the prevailing code.

(2) **LIGHT AND VENTILATION.** Except for historic exhibits, all qualified historic buildings shall be provided with natural light and ventilation as specified in the prevailing code.

(3) **AIR CONDITIONING.** Existing air conditioning systems may be allowed to remain. Any alteration made to an existing air conditioning system shall conform to the prevailing code.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

#### Subchapter X — Alternate Electrical Requirements

**ILHR 70.58 Purpose.** The purpose of this subchapter is to ensure that qualified historic buildings are properly wired while allowing the significant historic fabric of the building to remain.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.59 Application.** (1) **QUALIFIED HISTORIC BUILDINGS.** Except for historic buildings complying with sub. (2), all other qualified historic buildings shall be serviced with electricity as follows:

(a) *Change of use.* If a qualified historic building is changed in use, a load calculation of the building shall be performed for the proposed use. If the load calculation exceeds the actual service provided, the service shall be upgraded to meet the new load.

(b) *Reconstituted.* If a qualified historic building is without electrical service and is going to be reconnected to electrical service, the existing wiring shall be inspected at the service panels, outlets, switches and where exposed to determine the physical condition of the wire and equipment.

(c) *Alterations and repairs.* Any alterations, repair or replacement to an existing conductor, outlet, switch and equipment in a qualified historic building shall be made in accordance with the prevailing electrical code for that portion being altered, repaired or replaced.

(d) *Existing building.* Existing qualified historic buildings may use the existing electrical system without upgrading the electrical system to the prevailing code.

(2) **HISTORIC EXHIBITS.** Qualified historic buildings used as historic exhibits do not require electrical service.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

#### Subchapter XI — Totally Preserved Buildings Used As Historical Exhibits

**ILHR 70.62 Scope.** This subchapter establishes alternative standards for a qualified historic building that is open to the public and used solely as a historic exhibit. Repairs may be made without conformity to the prevailing code to restore the building to the original condition.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.63 Historic exhibits.** (1) *Exempt.* Except as specified in sub. (2), a qualified historic building used as a historic exhibit is exempt from

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complying with the requirements of the prevailing code or other sections of ch. ILHR 70.

(2) *Minimum safety requirements.* The following minimum safety requirements shall be complied with:

(a) The historic building is open to the public only under the supervision of a tour guide;

(b) The historic building is not lived in, slept in or worked in except for the purpose of demonstrating to the public how people lived in a particular era;

(c) No smoking is allowed in the building;

(d) No open flame equipment is installed in the building, other than fireplaces and original equipment;

(e) Fire extinguishers are provided, but may be located in a nonconspicuous location on the premise;

(f) At least one smoke detector is provided for each 1,200 square feet of area with a minimum of one detector per floor level. Where electricity is available, the smoke detectors shall be connected to the electrical power. Where no electrical power is available, the smoke detector may be of a battery type. Smoke detectors shall be tested weekly;

(g) Access for the disabled is provided in accordance with subch. VII;

(h) The capacity of the floor system shall be determined by a registered architect or engineer and any changes that are necessary shall be made prior to the building being open to the public;

(i) Historic buildings provided with only one exit shall be restricted to a total capacity of 12 persons of which not more than 6 persons may be located above the first floor at any one time;

(j) Signs shall be posted in the building identifying and warning of stairs and headroom clearance that do not conform to the prevailing code; and

(k) Exit signs shall be provided in accordance with the prevailing code in buildings occupied prior to ½ hour before sun rise and ½ hour after sun set and in all areas not provided with natural lighting.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

**ILHR 70.64 Sanitary requirements.** Toilet facilities shall be made available in accordance with the prevailing code. The facilities may be located on the site and serve more than one historic exhibit.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86.

Appendix Material

The material contained in the appendix is for clarification purposes only. The notes and illustrations are numbered to correspond to the number of the rule as it appears in the text of the code. All references to "copies of these forms are available from the department" means the following:

Safety and Buildings Division  
P.O. Box 7969  
Madison, WI 53707

**A 70.03 Election of Code.** The following is a reprint of s. ILHR 50.04 of the building code which identifies buildings exempt from code requirements.

*ILHR 50.04 Buildings exempt from code requirements. This code does not apply to the following types of buildings:*

(1) *One- and 2-family dwellings and outbuildings in connection therewith such as barns and private garages.*

(2) *Buildings used exclusively for farming purposes.*

Note: For a definition of "farming," see s. 102.04 (3), Stats.

(3) *Buildings used primarily for housing livestock or for other agricultural purposes, located on research or laboratory farms of public universities or other state institutions.*

(4) *Temporary buildings, used exclusively for construction purposes, not exceeding 2 stories in height, and not used as living quarters.*

(5) *Buildings located on Indian reservation land held in trust by the United States.*

(6) *Buildings owned by the federal government. Buildings owned by other than the federal government and leased to the federal government are not exempt.*

(7) *Bed and breakfast establishments as defined in s. ILHR 51.01 (11a).*

(8) *Community-based residential facilities located in existing buildings and providing care, treatment and services to 3 to 8 unrelated adults.*

**A 70.05 Verification of a Qualified Historic Building.** The following form must be completed by the Preservation officer from the State Historical Society or a certified municipality.

**WISCONSIN HISTORIC BUILDING CODE  
VERIFICATION OF HISTORIC STATUS**

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**INSTRUCTIONS:** In order to take advantage of the historic building code, your building must be verified as being a "qualified historic building." To obtain verification, you must complete this form and mail it to either the State Historical Society, or to an authorized representative of your municipality, as indicated below.

Please include with your application, photographs of the outside of the building. The photos should illustrate the building from the most visible sides.

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**HISTORIC STATUS OF PROPERTY (CHECK ONE)**

- Property is individually listed in the National Register of Historic Places
- Property has been nominated to the National Register, but is not yet listed
- Property is located within a National Register historic district

**BUILDING CODE VERIFICATION**  
Historic Preservation Division**MAIL FORM TO:**

State Historical Society  
816 State Street  
Madison, Wisconsin 53706

- Property is individually listed in a certified municipal register of historic property
  - Property is located within a historic district listed in a certified municipal register
- 

**MAIL FORM TO:**

The authorized official in your municipality. Contact your local government for more information.



**BUILDING AND OWNERSHIP DATA**

NAME AND ADDRESS  
OF OWNER: \_\_\_\_\_  
\_\_\_\_\_

Telephone number of owner during day  
( ) \_\_\_\_\_

ADDRESS OF HISTORIC  
BUILDING: \_\_\_\_\_  
\_\_\_\_\_

NAME OF HISTORIC DISTRICT (IF APPLICABLE): \_\_\_\_\_  
HISTORIC NAME OF BUILDING (IF KNOWN): \_\_\_\_\_

**FOR STATE HISTORICAL SOCIETY USE ONLY**

( ) I hereby verify that the above-mentioned property is a qualified historic building for purposes of the Wisconsin Historic Building Code.

DATE \_\_\_\_\_

SIGNATURE: STATE HISTORIC  
PRESERVATION OFFICER

**FOR CERTIFIED MUNICIPAL USE ONLY**

( ) I hereby verify that the above-mentioned property is a qualified historic building for purposes of the Wisconsin Historic Building Code.

DATE \_\_\_\_\_

SIGNATURE: AUTHORIZED MU-  
NICIPAL OFFICIAL

**A 70.05 Verification of Qualified Historic Building.**

The following is information on the process for certification of Historic Preservation ordinances which will be handled through the State Historical Society.

**Certification of Historic Preservation Ordinances  
for the  
Wisconsin Historic Building Code**

1. *Background.* In accordance with Wisconsin Statutes 101.121 and 44.22 (9), a municipality (city, village, town or county) may request the State Historical Society of Wisconsin to certify its local historic preservation ordinance in order to establish a "certified municipal register of historic property" to qualify locally designated historic buildings for the Wisconsin Historic Building Code.

The purpose of the Wisconsin Historic Building Code, which has been developed by the Department of Industry, Labor and Human Relations, is to facilitate the preservation or restoration of designated historic buildings through the provision of alternative building standards. Owners of qualified historic buildings are permitted to elect to be subject to the Historic Building Code in lieu of any other state or municipal building codes.

For purposes of the Historic Building Code, a "qualified historic building" is defined as a historic building which:

1. Is listed in, or nominated by the State Historical Society for listing in, the National Register of Historic Places in Wisconsin;
2. Is included in a district which is listed in, or has been nominated by the State Historical Society for listing in, the National Register of Historic Places in Wisconsin, and has been determined by the State Historical Society to contribute to the historical significance of the district;
3. Is listed in a certified municipal register of historic property; or
4. Is included in a district which is listed in a certified municipal register of historic property, and has been determined by the municipality to contribute to the historic significance of the district.

*2. Certified municipal register of historic property: certification requirements.* A "certified municipal register of historic property" is a local register of historic properties which have been designated under a historic preservation ordinance promulgated by a city, village, town or county if the ordinance is certified by the State Historical Society of Wisconsin.

The State Historical Society will certify a municipal historic preservation ordinance for purposes of the Historic Building Code if the ordinance does all of the following:

1. Contains criteria for the designation, in a municipal register, of historic structures and historic districts which are substantially similar to the criteria for inclusion in the National Register of Historic Places in Wisconsin;
2. Provides a procedure for the designation of historic structures or historic districts which includes, at a minimum, a nomination process, public notice of nominations and an opportunity for written and oral public comment on nominations;
3. Provides for the exercise of municipal control by ordinance, to achieve the purpose of preserving and rehabilitating historic structures and historic districts;
4. Creates a municipal historic preservation commission.

Information on historic preservation ordinances, including the publication, *Historic Preservation Law in Wisconsin*, which contains a model ordinance, is available from the State Historical Society of Wisconsin.

*3. To request certification.* To request certification of a municipal historic preservation ordinance, the chief elected local official is required to send to the State Historic Preservation Officer, State Historical Society

of Wisconsin, 816 State Street, Madison, WI 53706, the following materials:

1. A letter signed by the chief elected local official requesting certification of the municipal historic preservation ordinance for the purposes of the Historic Building Code;
2. A copy of the historic preservation ordinance, including the date the ordinance was enacted;
3. A list of locally designated historic properties and districts, including addresses, presently on the municipal register of historic property; and
4. The name, address and telephone number of the local official or person authorized to certify the eligibility of local qualified historic buildings for purposes of the Historic Building Code.

The State Historic Preservation Officer will respond to requests for certification within 30 days of receipt.

4. *Further information.* Questions concerning the certification of local historic preservation ordinances or nominations of properties to the National Register of Historic Places should be directed to the Historic Preservation Division, State Historical Society of Wisconsin, 816 State Street, Madison, WI 53706, telephone (608) 262-1339.

*Note: The Certified Local Government program in Wisconsin.* The Certified Local Government (CLG) program in Wisconsin is a separate program from the certification of municipal ordinances for the Historic Building Code. However, the two programs are related and can be applied for simultaneously. The CLG program is designed to foster a closer working relationship among local, state and federal historic preservation programs. Wisconsin municipalities that have enacted historic preservation ordinances and have established local historic preservation programs may apply for CLG status in accordance with the National Historic Preservation Amendments Act of 1980 and the "Procedures for the Certification of Local Governments in Wisconsin."

CLGs, in addition to being certified for the Historic Building Code, are eligible to apply for special CLG matching grants to carry out certain local historic preservation activities to improve their preservation programs and to maintain their qualifications as CLGs.

The CLG program in Wisconsin and the requirements for CLG certification are described in a booklet entitled "Procedures for the Certification of Local Governments in Wisconsin," which is available from the State Historical Society of Wisconsin.

A 70.07 Plan Examination. Form SB-118 is required to be submitted along with the plans and specifications submitted for examination and approval. Copies of the form are available from the department.

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Safety & Building Division  
201 E. Washington Avenue  
P.O. Box 7969  
Madison, WI 53707

**PLANS APPROVAL APPLICATION**  
DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS  
BUREAU OF BUILDINGS AND STRUCTURES

PLAN NO. \_\_\_\_\_

INSTRUCTIONS: Fill in all applicable data. Submittal of the Plan Approval Application form is required with each plan submittal, with a minimum of 4 sets of plans. Data required is described in code section ILHR 50.12. **SUBMIT PLUMBING PLANS SEPARATELY, ACCOMPANIED BY PLUMBING PLAN APPLICATION FORM SBD-4154.**

Name of Owner	Building Occupancy or Use	Designer/Design Firm	<input type="checkbox"/> Bldg <input type="checkbox"/> HVAC
Company Name	Tenant Name (if any)	Sheet & No.	
Mailing Address	Building is located at in a <input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> Village	City	State & Zip
Phone	of _____ County of _____	Contact Person	
Previous Owner (if any)	Return Plans to <input type="checkbox"/> Owner <input type="checkbox"/> Designer <input type="checkbox"/> Other	Phone	

**PUBLIC RECORDS:** This plan, and related documents, may be subject to public inspection and copying. (RD 69.09.6)

- This application is for a  New Building  Addition to Building  Alteration  Revision to previously reviewed plan
- The Department has processed a Petition for Variance for this project?  Yes  No. Preliminary Review?  Yes  No
- Review of the following building components is requested. Plans and calculations are included for each component:  
 Footing & Foundation  Building  Structural  HVAC  Other
- The following construction classification type is requested and shown on plans:  #1 Fire Resist.  #2 Fire Resist.  #3 Metal Frame Prot.  #4 Hwy Timber  #5 Masonry Prot.  #6 Masonry  #6 Metal Frame  #7 Wood Frame Prot.  #8 Wood Frame
- If plans do not show compliance with requested construction classification, but are approvable at a lower class, do you wish plan approval at the lower construction classification?  Yes  No
- SOIL BEARING CAPACITY: The Soil Bearing used for design is \_\_\_\_\_ PSF. This value is  presumed  verified
- BUILDING SYSTEMS: Please check appropriate boxes:  Complete sprinkler  Partial sprinkler  Fire alarm  Emergency Power  Complete detection system  Partial detection system. For partial systems, show area protected on plans or by letter.
- MECHANICAL INFORMATION: Total output rating of heating units is: \_\_\_\_\_ BTUH. Air cond.  Full  Partial  None. Primary fuel source is  Gas  Oil  Electric  L.P.  Coal  Wood  Solar  Other

<b>9. COMPONENTS INCLUDED WITH THIS SUBMITTAL</b> NOTE: Must be submitted by building designer		<b>10. FEES</b> See current fee summary or RD 69.09, and back of form.	
<b>METAL BUILDING</b>	Designer Name _____ Reg. No. _____ Supplier _____	Building Volume _____ C.F. \$ _____	HVAC Volume _____ C.F. \$ _____
<b>TRUSSES</b>	Designer Name _____ Reg. No. _____ Supplier _____	Alteration Area _____ S.F. \$ _____	Structural (Separate submission only) _____ \$ _____
<b>PRECAST CONCRETE</b>	Designer Name _____ Reg. No. _____ Supplier _____	Fig. & Plan (Separate submission only) _____ \$ _____	Revision to previously reviewed plan _____ \$ _____
<b>LAMINATED WOOD</b>	Designer Name _____ Reg. No. _____ Supplier _____	Industrial Exhaust _____ \$ _____	Other _____ \$ _____
<b>OTHER (SPECIFY)</b>	Designer Name _____ Reg. No. _____ Supplier _____	Priority Review (Total of above fees) _____ \$ _____	Permission to Start _____ \$ _____
		Inspection Fee _____ \$ _____	Total _____ \$ _____
		<b>OFFICE USE ONLY</b> Date: _____	
		Fee Paid By: <input type="checkbox"/> Owner <input type="checkbox"/> Designer <input type="checkbox"/> Other	

11. DESIGN AND SUPERVISION (ILHR 50.07-50.10) If this building involving construction of this project, contains more than 50,000 cubic feet, total volume, all applicable boxes below must be completed prior to plan review. The project designer is the person who designed and sealed the plans, except for components designed and sealed by other designers. Plans for buildings over 100,000 C.F. will not be reviewed until the signature of the supervising professional is provided. This document is a record and reports that the project designer here or individual component is available for compliance with the general design concept. The project designer, and Department, will rely on the seal of the component designer for compliance with the codes as they apply to their design.

Name of Building Designer (Type or Print)	Reg. No.	Name of HVAC Designer (Type or Print)	Reg. No.
Name of Professional Supervising Building (Type or Print)	Reg. No.	Address	
Signature of Professional Supervising Building	Date		
Name of Professional Supervising HVAC (Type or Print)	Reg. No.	Address	
Signature of Professional Supervising HVAC	Date		

SB-118 (R. 1/84)

A 70.08 Approvals. Form SB-198 is required to be submitted along with plans and specifications submitted for permission to start construction. Copies of the form are available from the department.



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DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS  
SAFETY & BUILDINGS DIVISION  
P.O. BOX 7969  
MADISON, WISCONSIN 53707

**PERMISSION TO START CONSTRUCTION**  
FEE REQUIRED IN ADDITION TO EXAMINATION/INSPECTION FEES

Location of Project:

Street: \_\_\_\_\_ E. \_\_\_\_\_  
 City: \_\_\_\_\_ Plan File Number \_\_\_\_\_  
 County: \_\_\_\_\_ Date Plans Rec'd \_\_\_\_\_  
 Occupancy: \_\_\_\_\_

We, the undersigned, request to begin footing and foundation work prior to approval of the plans in accordance with Ind. 50.14.

Plans have been submitted to the Department of Industry, Labor & Human Relations, Safety and Buildings Division, and all information requested by Code Ind. 50.12 or Ind. 50.13 has been included with the submittal.

We have reviewed the specific code requirements for the building or structure and its use, as set forth in Ind. 50.64, and, where applicable, have shown compliance on the drawings.

We agree to make any changes required after the plans have been reviewed and to remove or replace noncode complying parts of the foundation and/or footings.

We agree to proceed with the footings and foundation only and will not continue with the remainder of the building or structure until approval has been received.

We understand that, prior to the start of construction, a Building Permit must be obtained from the local authorities having jurisdiction in accordance with their laws and ordinances.

Owner's Signature _____	Date _____	Accepted by _____	Date _____
Name: _____		Dept. of Ind., Labor & Human Relations	
Address: _____		Safety & Buildings Division	
		Not Accepted Because _____	
		_____	
Designer's Signature _____	Date _____	Plans will be examined within the next _____	
Name: _____		days.	
Address: _____		NOTE: This permission is applicable to projects having below grade	
		foundation work only.	

SB-198 (R. 06/83)

FILE COPY

**A 70.14 Petition for Variance.** The following forms are required when an owner petitions the department for a variance. Copies of these forms are available from the department.

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PETITION FOR VARIANCE  
OF A RULE IN THE  
WISCONSIN ADMINISTRATIVE CODE

WISCONSIN DEPARTMENT OF  
INDUSTRY, LABOR AND HUMAN RELATIONS  
DIVISION OF SAFETY & BUILDINGS  
P.O. BOX 7869, MADISON, WI 53707

OFFICE USE ONLY	
Petition No.	
E-Number	

Name of Owner	Building Occupancy or Use	Agent, Architect or Engineering Firm	
Company	Tenant Name, if any	Street & No.	
Street & No.	Building Location, Street & No.	City	State & Zip
City	State & Zip	City	County
Phone	Plan Number(s) IF KNOWN	Name of Contact Person	

- Rule \_\_\_\_\_ of the Wisconsin Administrative code cannot be entirely satisfied because:  
-----  
-----  
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- In lieu of complying exactly with the rule, the following alternative is proposed as a means of providing an equivalent degree of safety:  
-----  
-----  
-----
- Supporting arguments are:  
-----  
-----  
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**VERIFICATION BY OWNER - PETITION IS VALID ONLY IF NOTARIZED**  
For Fee Information See ILHR 69.15 or Contact The Department at (608) 267-7843

NOTE: Petitioner must be building owner, Tenant, agent, designer, contractor, attorneys, etc. may not sign petition unless a Power of Attorney is submitted with the Petition.

\_\_\_\_\_, being duly sworn, I state as petitioner; that I have read the foregoing petition, that I believe it to be true and I have significant ownership rights in the subject building.

\_\_\_\_\_  
Signature of Owner  
Subscribed and sworn to me this date: \_\_\_\_\_  
\_\_\_\_\_  
County, Wisconsin.  
\_\_\_\_\_  
Notary Public  
My commission expires: \_\_\_\_\_

OFFICE USE ONLY		
Date Received	Amount Paid	Receipt No.
Department Action		
Office of The Secretary	Date	

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POSITION STATEMENT:  
To be completed by  
Chief of Fire Department

WISCONSIN DEPARTMENT OF  
INDUSTRY, LABOR AND HUMAN RELATIONS  
DIVISION OF SAFETY & BUILDINGS  
P.O. BOX 7989 MADISON WI 53707

Name of Owner	Building Occupancy or Use	Agent, Architect or Engineering Firm		
Company	Tenant Name, if any	Street & No.		
Street & No.	Building Location, Street & No.	City	State & Zip	
City	State & Zip	City	County	Phone
1. I have read the petition for variance of rules.				
2. I recommend (Check appropriate box)	Denial	Approval	Conditional Approval	No Comment*
3. Explanation for Recommendation:				
* If desired, Fire Departments may indicate "No Comment" on non-fire safety issues such as sanitary, energy conservation, structural, barrier free environments, etc.				
4. <input type="checkbox"/> I find no conflict with local rules and regulations <input type="checkbox"/> I find that the petition is in conflict with local rules and regulations				
Explanation				
Signature of Fire Chief				Date

PLEASE COMPLETE AND SUBMIT PROMPTLY TO DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS AT THE ADDRESS SHOWN ABOVE.  
592A (R. 12/84)