## Register feb 1985 No. 350 INDUSTRY, LABOR & HUMAN RELATIONS 1 Ind 20

### **Chapter Ind 20** ADMINISTRATION AND ENFORCEMENT

Part I—Purpose and Scope		Ind 20.13	Manufacture, sale and installa-
Ind 20,01	Purpose (p. 1)		tion of dwellings (p. 14)
Ind 20.02	Scope (p. 1)	Ind 20.14	Approval procedures (p. 15)
Ind 20,03	Effective date (p. 2)	Ind 20.15	Effect of approval (p. 17)
Ind 20.04	Applications (p. 2)	Ind 20.16	Suspension and revocation of
Ind 20.05	Exemptions (p. 2)		approval (p. 18)
		Ind 20.17	Effect of suspension and revo-
Part II—Jurisdiction			cation (p. 19)
Ind 20.06	Procedure for municipalities		
	exercising jurisdiction (p. 3)	Part VI—	Approval of Materials
		Ind 20.18	Materials (p. 19)
	Definitions		
Ind 20.07	Definitions (p. 4)	Part VII—Variances, Appeals, Viola-	
_		tions, Penalties and Severable Clauses	
	Approval and Inspection of	Ind 20.19	Individual variance from a spe-
Onc- and 2-Family Dwellings			cific rule (p. 20)
Ind 20.08	Wisconsin uniform building permit (p. 10)	Ind 20.20	Municipal variance from code (p. 21)
Ind 20.09		Ind 20.21	Appeals of orders, determina- tions and for extension of time
Ind 20.10	Inspections (p. 13)		(p. 22)
Ind 20.11	Suspension or revocation of	Ind 20.22	Penalties and violations (p. 22)
	Wisconsin uniform building	Ind 20.23	Saving and severable clauses
	permit (p. 14)		(p. 23)
Part V	Annroval and Inspection of	D WIT	Ada-Man - P. St-nd-uda

Manufactured Dwellings and Their Components Ind 20.12 Scope (p, 14)

Ind 20.24 Adoption of standards (p. 23)

### PART I-PURPOSE AND SCOPE

Ind 20.01 Purpose. The purpose of this code is to establish uniform statewide construction standards and inspection procedures for oneand 2-family dwellings and manufactured buildings for dwellings in accordance with the requirements of ss. 101.60 and 101.70, Stats.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.02 Scope. The provisions of this code shall apply to the construction and inspection procedures used for all new one- and 2-family dwellings and manufactured buildings for dwellings. Bernewand

(1) MUNICIPAL ORDINANCES. (a) No municipality shall adoppt an ordinance on any subject falling within the scope of this code including, but not limited to, establishing restrictions on the occupancy of dwellings for any reason other than noncompliance with the provisions of this code as set forth in section Ind 20.10 (3). This code does not apply to occupancy requirements occurring after the first occupancy for residential purposes following the final inspection referred to in section Ind 20.10 (1) (b) 3.

(b) This code shall not be construed to affect local requirements relating to land use, zoning, fire districts, side, front and rear setback requirements, property line requirements or other similar requirements. This code shall not affect the right of municipalities to establish safety regulations for the protection of the public from hazards at the job site.

(c) Any municipality may, by ordinance, require permits and fees for any construction, additions, alterations or repairs not within the scope of this code.

(2) LEGAL RESPONSIBILITY. The department or the municipality having jurisdiction shall not assume legal responsibility for the design or construction of dwellings.

(3) RETROACTIVITY. The provisions of this code are not retroactive.

(4) INNOVATIVE DWELLINGS. No part of this code is intended to prohibit or discourage the construction of innovative dwellings such as a dwelling built below ground, a geodesic dome, a concrete house, a fiberglass house or any other nonconventional structure.

(5) LANDSCAPING. The scope of this code does not extend to driveways, sidewalks, landscaping and other similar features not having an impact on the dwelling structure.

(6) LICENSING. No licenses or special permits shall be required for persons obtaining building permits for or performing work on dwellings.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.03 Effective date. The effective date of chapter Ind 22 of this code is December 1, 1978. Chapters Ind 20, 21, 23, 24 and 25 shall become effective 6 months after the date of publication.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80,

Ind 20.04 Applications. (1) NEW DWELLINGS. The provisions of this code shall apply to all dwellings and dwelling units, the initial construction of which was commenced on or after the effective date of this code. Additions and alterations to dwellings covered by this code shall comply with the provisions of this code at the time the permit for the addition or alteration is issued.

(2) RECREATIONAL DWELLINGS. Recreational dwellings, the initial construction of which was commenced on or after the effective date of this code, shall comply with all structural requirements of this code. The installation of any permanent heating, air conditioning, electrical or plumbing systems shall not be required; however, if such systems are installed, those systems shall comply with the provisions of this code. Any addition or alteration to such recreational dwelling or system therein shall comply with the provisions of the code at the time the permit for the addition or alteration is issued.

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History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.05 Exemptions. (1) EXISTING DWELLINGS. The provisions of this code shall not apply to dwellings and dwelling units, the construction of which was commenced prior to the effective date of this code, or to additions or alterations to such dwellings.

(2) MULTIFAMILY DWELLINGS. The provisions of this code shall not apply to residences occupied by 3 or more families living independently or occupied by 2 such families and used also for business purposes.

(3) REPAIRS. The provisions of this code do not apply to repairs or maintenance to dwellings or dwelling units, or to electrical, heating, ventilating, air conditioning and other systems installed therein.

(4) MOVING OF DWELLINGS. The status of a dwelling, new or existing, shall not be affected by the moving of the dwelling.

(5) ACCESSORY BUILDINGS. The provisions of this code do not apply to detached garages or to any accessory building (s) detached from the dwelling.

(6) FARM BUILDINGS. The provisions of this code do not apply to the buildings used exclusively for farm operations.

(7) INDIAN RESERVATIONS. The provisions of this code do not apply to dwellings located on Indian reservation land held in trust by the United States.

(8) RECREATIONAL VEHICLES AND MOBILE HOMES. The provisions of this code do not apply to recreational vehicles or mobile homes, but shall apply to the on-site construction of additions to recreational vehicles and mobile homes.

(9) HISTORICAL BUILDINGS. The provisions of this code do not apply to historical buildings designated as such by the federal or state government.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

#### PART II—JURISDICTION

Ind 20.06 Procedure for municipalities exercising jurisdiction. (1) MUNICIPAL JURISDICTION. Pursuant to ss. 101.65 and 101.76, Stats., cities, villages, towns and counties may exercise jurisdiction over the construction and inspection of new dwellings. Municipalities intending to exercise jurisdiction shall adopt the Uniform Dwelling Code in its entirety. No additional standards within the scope of this code shall be adopted by the municipality unless specific approval has been granted by the department pursuant to section Ind 20.20. No such municipality shall exercise jurisdiction except in accordance with the following procedure.

(a) Intent to exercise jurisdiction. Municipalities intending to exercise jurisdiction shall notify the department, in writing, at least 30 days prior to the date upon which the municipality intends to exercise jurisdiction under this code. The notification of intent shall include a statement by the municipality as to which of the following methods will be used for enforcement:

1. Individual municipal enforcement.

2. Joint municipal enforcement.

3. Contract with certified inspector or independent inspection agency.

4. Contract with another municipality.

5. Contract with the department.

(b) Submission of ordinances. Municipalities intending to exercise jurisdiction shall submit all ordinances adopting the Uniform Dwelling Code to the department at the same time as the notice of intent. The department shall promptly inform the municipality whether an ordinance complies with the provisions of this code. A municipality may appeal a determination by the department that an ordinance does not comply with the code. Any such appeal shall follow the procedure set out in section Ind 20.21 (2).

(c) Passage of ordinances. A certified oppy of all adopted ordinances and subsequent amendments thereto shall be filed with the department within 30 days after adoption.

Note: Mufficipalities adopting the model ordinance shall be considered to be in compliance with the provisions of this code and may exercise jurisdiction.

(2) County Junisbuction. A county ordinance shall apply in any city, village of town which has not enacted ordinances pursuant to this section. No county ordinance shall apply until after 30 days after the effective date of this code unless a municipality within the county informs the department of its intent to have this code administered and enforced by the county. This section shall not be construed to prevent or prohibit any municipality from enacting and administering this code at any time after the effective date of this code.

(3) DEPARTMENTAL JURISDICTION. Pursuant to ss. 101.63 and 101.73, Stats., the department will administer and enforce this code in any mufinicipality which has not adopted, or is not covered by, an ordinance adopted in accordance with this section.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

### PART III—DEFINITIONS

Ind 20.07 Definitions. (1) ACCESSORY BUILDING. Accessory building means a detached building, not used as a dwelling unit but is incidental to that of the main building and which is located on the same lot. Accessory building does not mean farm building.

(2) ADDITION. Addition means new construction performed on a dwelling which increases the outside dimensions of the dwelling.

(3) ALLOWABLE STRESS. Allowable stress means the specified maximum permissible stress of a material expressed in load per unit area.

(4) ALTERATION. Alteration means a substantial change or modification other than an addition or repair to a dwelling or to systems involved within a dwelling.

(5) APPROVED OR APPROVAL. Approved means an approval by the department or its authorized representative. (Approval is not to be construed as an assumption of any legal responsibility for the design or construction of the dwelling or building component.)

(6) ATTIC. Attic means a space under the roof and above the ceiling of the topmost part of a dwelling.

(7) BALCONY. A balcony is a landing or porch projecting from the wall of a building.

Register, November, 1979, No. 287

4

-4

Ind 20

5

(8) BASEMENT. Basement means that portion of a dwelling between floor and ceiling which is below or partly below and partly above grade but so located that the vertical distance from the grade to the floor below is more than the vertical distance from grade to ceiling.

(9) BUILDING COMPONENT. Building component means any subsystem, subassembly or other system designed for use in or as part of a structure, which may include structural, electrical, mechanical, plumbing and fire protection systems and other systems affecting health and safety.

(10) BUILDING SYSTEM. Building system means plans, specifications and documentation for a system of manufactured building or for a type or a system of building components, which may include structural, electrical, mechanical, plumbing and variations which are submitted as part of the building system.

(11) CEILING HEIGHT. Ceiling height means the clear vertical distance from the finished floor to the finished ceiling.

(12) CERTIFIED INSPECTOR. Certified inspector means a person certified by the department to engage in the administration and enforcement of this code.

(13) CHIMNEY. A chimney is one or more vertical, or nearly so, passageways or flues for the purpose of conveying flue gases to the atmosphere.

(14) CHIMNEY CONNECTOR, Same as smoke pipe,

(15) CLOSED CONSTRUCTION. Closed construction means any building, building component, assembly or system manufactured in such a manner that it cannot be inspected before installation at the building site without disassembly, damage or destruction.

(16) CODE. Code means the Wisconsin uniform dwelling code.

(17) COEFFICIENT OF PERFORMANCE (COP), COOLING OR HEATING. Coefficient of performance (COP) is the ratio of the rate of net heat removal or net heat output to the rate of total energy input, expressed in consistent units and under designated rating conditions.

(18) COMBUSTION EFFICIENCY. Combustion efficiency is expressed in percentage and is defined as 100% minus stack losses in percent of heat input. Stack losses are a) loss due to sensible heat in dry flue gas, b) loss due to incomplete combustion, and c) loss due to sensible and latent heat in moisture formed by combustion of hydrogen in the fuel.

(19) COMPLIANCE ASSURANCE PROGRAM. Compliance assurance program means the detailed system documentation and methods of assuring that manufactured dwellings and dwelling components are manufactured, stored, transported, assembled, handled and installed in accordance with this code.

(20) COOLING LOAD. Cooling load is the rate at which heat must be removed from the space to maintain a selected indoor air temperature during periods of design outdoor weather conditions.

(21) DEAD LOAD. Dead load means the vertical load due to all permanent structural and nonstructural components of the building such as

joists, rafters, sheathing, finishes and construction assemblies such as walls, partitions, floors, ceilings and roofs, and systems.

(22) DEGREE DAY, HEATING. Degree days are figured as the number of degrees the mean outdoor temperature deviates from  $65^{\circ}$  F each day during the heating season.

Note: For example, if, on December 15, the low temperature was  $\pm 30^{\circ}$  F and the high temperature was  $\pm 50^{\circ}$  F, the mean temperature would equal  $(30^{\circ} \pm 50^{\circ}) \div 2 = 40^{\circ}$ ; therefore,  $65^{\circ} \cdot 40^{\circ} = 25$  degree days,

(23) DEPARTMENT. Department means the department of industry, labor and human relations.

(24) DETACHED BUILDING. Detached building means any building which is not physically connected to the dwelling.

(25) DWELLING. Dwelling means any building, the initial construction of which is commenced on or after the effective date of this code, which contains one or 2 dwelling units.

(26) DWELLING, EXISTING. An existing dwelling is a dwelling erected prior to the effective date of this code, one for which a valid building permit exists, or one for which lawful construction has commenced prior to the effective date of this code.

(27) DWELLING UNIT. Dwelling unit means a structure, or that part of a structure, which is used or intended to be used as a home, residence or sleeping place by one person or by 2 or more persons maintaining a common household, to the exclusion of all others.

(28) ENERGY EFFICIENCY RATIO. The energy efficiency ratio is the ratio of net cooling capacity in Btu per hour to total rate of electric input, in watts, under designated operating conditions.

(29) EXIT. Exit means a continuous and unobstructed means of egress to a street, alley or open court and includes intervening doors, doorways, corridors, halls, balconies, ramps, fire escapes, stairways and windows.

(30) FARM OPERATION. The farm operation is the planting and cultivating of the soil and growing of farm products substantially all of which have been planted or produced on the farm premises.

Note: According to s. 102.04 (3). Stats., the farm operation includes the management, conserving, improving and maintaining of the premises, tools, equipment improvements and the exchange of labor or services with other farmers; the processing, drying, packaging, freezing, grading, storing, delivery to storage, carrying to market or to a carrier for transportation to market and distributing directly to the consumer; the clearing of such premises and the salvaging of timber and the management and use of wood lots thereon but does not include logging, lumbering and wood-cutting operations unless the operations are conducted as an accessory to other farm operations.

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(31) FARM PREMISES. The farm premises is defined to be the area which is planted and cultivated. The farm premises does not include greenhouses, structures or other areas unless used principally for the production of food or farm products.

(32) FARM PRODUCTS. Farm products are defined as agricultural, horticultural and arboricultural crops. Animals considered within the definition of agricultural include livestock, bees, poultry, fur-bearing animals, and wildlife or aquatic life.

(33) FARMING. Farming means the operation of a farm premises owned or rented by the operator.

(34) FIREBOX. Firebox means that part of the fireplace used as the combustion chamber.

(35) GARAGE. Garage means an unenclosed or enclosed portion of a dwelling used for storing motorized vehicles.

(36) GAS APPLIANCE. Gas appliance means any furnace or heater, air conditioner, refrigerator, stove having an electrical supply cord, dishwasher, dryer, swimming pool heater, or other similar appliance or device used in a dwelling or dwelling unit which uses a gaseous fuel for operation.

(37) HABITABLE ROOM. Habitable room means any room used for sleeping, living or dining purposes, excluding such enclosed places as kitchens, closets, pantries, bath or toilet rooms, hallways, laundries, storage spaces, utility rooms, and similar spaces.

(38) HEARTH. Hearth means the floor of the fireplace. The inner part of the hearth is located within the firebox; the outer part of the hearth is located outside of the fireplace.

(39) HEATED SPACE. Heated space is any space provided with a supply of heat to maintain the temperature of the space to at least 50° F. Heat supplied by convection from the energy-consuming systems may satisfy this requirement in basements if the energy-consuming systems are not insulated.

(40) HEATING LOAD. Heating load is the probable heat loss of each room or space to be heated, based on maintaining a selected indoor air temperature during periods of design outdoor weather conditions. The total heat load includes: the transmission losses of heat transmitted through the wall, floor, ceiling, glass or other surfaces; the infiltration losses or heat required to warm outdoor air which leaks in through cracks and crevices, around doors and windows, or through open doors and windows; or heat required to warm outdoor air used for ventilation.

(41) INDEPENDENT INSPECTION AGENCY. Independent inspection agency means any person, firm, association, partnership or corporation certified by the department to perform certified inspections under this code.

(42) INITIAL CONSTRUCTION. Initial construction means the date of issuance of the Wisconsin uniform building permit.

(43) INSIGNIA. See "Wisconsin insignia."

(44) INSTALLATION. Installation means the assembly of a manufactured building on site and the process of affixing a manufactured building to land, a foundation, footing or an existing building.

(45) INTERMITTENT IGNITION DEVICE. Intermittent ignition device means an ignition device which is actuated only when a gas appliance is in operation.

(46) KITCHEN. Kitchen means an area used, or designed to be used, for the preparation of food.

### Ind 20

8

(47) LANDING. Landing means the level portion of a stairs located within a flight of stairs or located at the base and foot of a stairs.

(48) LISTED AND LISTING. Listed and listing means equipment or building components which are tested by an independent testing agency and accepted by the department.

(49) LIVE LOAD. Live load means the weight superimposed on the floors, roof and structural and nonstructural components of the dwelling through use and by snow, ice or rain.

(50) LOFT. Loft means an upper room or floor which is open to the floor below.

(51) MANUFACTURE. Manufacture means the process of making, fabricating, constructing, forming or assembling a product from raw, unfinished, semifinished or finished materials.

(52) MANUFACTURED BUILDING. (a) Manufactured building means any structure or component thereof which is intended for use as a dwelling and:

1. Is of closed construction and fabricated or assembled on site or off site in manufacturing facilities for installation, connection or assembly and installation at the building site; or

2. Is a building of open construction which is made or assembled in manufacturing facilities away from the building site for installation, connection, or assembly and installation on the building site and for which certification is sought by the manufacturer.

(b) The term manufactured building does not include a building of open construction which is not subject to section Ind 20.07 (52) (a) 2. A single or double width mobile home is not considered a manufactured building and is not subject to this code.

(53) MASONRY UNITS (HOLLOW) AND (SOLID). (a) Hollow unit. A hollow unit is a masonry unit in which the net cross-sectional area parallel to the bearing face is less than  $75^{\circ}c$  of the gross cross-sectional area.

(b) Solid unit. Masonry units having net cross-sectional areas of 75% or more of the gross cross-sectional area are classified as solid units.

(54) MULTI-WYTHE WALL. A multi-wythe wall is a masonry wall composed of 2 or more wythes of masonry units tied or bonded together.

(55) MUNICIPALITY. Municipality means any city, village, town or county in this state.

(56) OPEN CONSTRUCTION. Open construction means any building, building component, assembly or system manufactured in such a manner that it can be readily inspected at the building site without disassembly, damage or destruction.

(57) OWNER. Owner means any person having a legal or equitable interest in the dwelling.

(58) PERM. Perm is the designation for the unit permeance which is a substitute for the unit, one grain per (hour) (square foot) (inch of mercury vapor pressure difference).

Register, November, 1979, No. 287 Administration and Enforcement (59) PILASTER. A pilaster is a projection of masonry or a filled cell area of masonry for the purpose of bearing concentrated loads or to stiffen the wall against lateral forces.

(60) RECREATIONAL DWELLING UNIT. Recreational dwelling unit means a permanent structure occupied occasionally or seasonally solely for recreational purposes and not used as a principal residence.

(61) REFAIR. Repair means the act or process of restoring to original soundness, including, but not limited to, redecorating, refinishing, nonstructural repairs, maintenance repairs or replacement of existing fixtures, systems or equipment.

(62) RESISTANCE, THERMAL (R). Thermal resistance (R) is a measure of the ability to retard the flow of heat. The R-value is the reciprocal of a heat transfer coefficient, expressed by U (R = 1/U). The higher the R-value of a material, the more difficult it is for heat to flow through the material.

(63) SINGLE-WYTHE WALL. A single-wythe wall is a masonry wall consisting of one unit of thickness.

(64) SMOKE CHAMBER. A smoke chamber is that part of a fireplace which acts as a funnel to compress the smoke and gases from the fire so that they will enter the chimney above.

(65) SMOKE PIPE. A smoke pipe is a connector between the solid or liquid fuel-burning appliance and the chimney.

(66) STAIRWAY. A stairway is one or more flights of steps, and the necessary platforms or landings connecting them, to form a continuous passage from one elevation to another.

(67) STEP(s). Step(s) is a unit(s) consisting of one riser and one tread, alone or in series.

(68) STORY. A story is that portion of a building located above the basement, between the floor and the ceiling.

(69) STOVE. A stove is a nonportable solid-fuel-burning, vented, nonducted heat-producing appliance located in the space that it is intended to heat. This definition does not include cooking appliances.

(70) STOVEPIPE. Same as smoke pipe.

(71) STRAIN. Strain means a change in the physical shape of a material caused by stress.

(72) STRESS. Stress means internal resistance to an external force expressed in load per unit area; stresses acting perpendicular (compression or tension) to the surface, shear stresses acting in the plane of the surface, or bending stresses which cause curving.

(73) STRUCTURAL ANALYSIS. Structural analysis is a branch of the physical sciences which uses the principles of mechanics in analyzing the impact of loads and forces and their effect on the physical properties of materials in the form of internal stress and strain.

. (74) THERMAL TRANSMITTANCE (U). Thermal transmittance (U) is the coefficient of heat transmission or thermal transmittance (air to air)

10

expressed in units of Btu per (hour) (square foot) (degree F). It is the time rate of heat flow. The U-value applies to combinations of different materials used in series along the heat flow path and also to single materials that comprise a building section, and includes cavity air spaces and surface air films on both sides. The lower the U-value of a material, the more difficult it is for heat to flow through the material.

(75) THROAT. The throat of a fireplace is the slot-like opening above the firebox through which flames, smoke and other products of combustion pass into the smoke chamber.

(76) VENT. Vent means a vertical flue or passageway to vent fuelburning appliances.

(77) VENT CONNECTOR. A vent connector is a connector between a fuel-burning appliance and the chimney or vent.

(78) WINDOW. Window means a glazed opening in an exterior wall, including glazed portions of doors, within a conditioned space.

(79) WISCONSIN INSIGNIA. Wisconsin insignia means a device or seal approved by the department to certify compliance with this code.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

### PART IV—APPROVAL AND INSPECTION OF ONE- AND 2-FAMILY DWELLINGS

Ind 20.08 Wisconsin uniform building permit. A Wisconsin uniform building permit shall be obtained from the department or the municipality administering and enforcing this code before any on-site construction within the scope of this code is commenced, except where a permit to start construction has been issued in accordance with section Ind 20.09 (5) (b) 2. A Wisconsin uniform building permit shall not be required for repairs.

Note: Section Ind 20.09 (5) (b) 2. permits the issuance of a footing and foundation permit prior to the issuance of the Wisconsin uniform building permit.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.09 Procedures for obtaining uniform building permit. (1) APPLICATION FOR A WISCONSIN UNIFORM BUILDING PERMIT. Application for a Wisconsin uniform building permit shall be on the forms obtained from the department or the municipality administering and enforcing this code. No application shall be accepted that does not contain all the information requested on the form.

Note 1: See appendix for a copy of the Wisconsin uniform building permit and application.

Note 2: Any municipality exercising jurisdiction may require reasonable supplementary information not contained on the Wisconsin building permit application.

(2) FILING OF THE WISCONSIN UNIFORM BUILDING PERMIT APPLICATION. The Wisconsin uniform building permit application shall be filed with the municipality administering and enforcing this code or its authorized representative. The municipality shall promptly forward a copy of all

applications to the department. If no municipality administers and enforces the code, the application shall be filed with the department or its authorized representative.

Note: Section 101.64, Stats., permits the department to collect and publish data.

(3) FEES. (a) Municipal fees. Fees shall be submitted to the municipality at the time the Wisconsin uniform building permit application is filed. The municipality shall, by ordinance, determine fees to cover expenses for plan examination, inspection and the issuance of the Wisconsin uniform building permit. The municipality shall collect and send to the department the fee for the Wisconsin uniform building permit in accordance with Wis. Adm. Code section Ind 69.21.

(b) Department fees. Where the department administers and enforces the code, the fees for plan examination, inspection, and the issuance of the Wisconsin uniform building permit, in accordance with section Ind 69.21, shall be submitted to the department, or its authorized representative, at the time the Wisconsin uniform building permit application is filed.

(4) SUBMISSION OF PLANS. At least 2 sets of plans for all one- and 2family dwellings shall be submitted to the department, or the municipality administering and enforcing this code, for examination and approval at the time the Wisconsin uniform building permit application is filed. A municipality exercising jurisdiction may require a third set of plans at its option.

(a) *Required building plans*. The required building plans shall be legible and drawn to scale or dimensioned and shall include the following:

1. Plot plan. The plot plan shall show the location of the dwelling and any other buildings, wells and disposal systems on the property with respect to property lines.

2. Floor plans. Floor plans shall be provided for each floor. The size and location of all rooms, doors, windows, structural features, exit passageways and stairs shall be indicated. The location of plumbing fixtures, chimneys, and heating and cooling appliances, and, when requested, a heating distribution layout shall be included.

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

(b) Data required. All required plans submitted for approval shall be accompanied by sufficient data and information to determine if the dwelling will meet the requirements of this code. The data and information for determining compliance with the energy conservation standards shall be submitted on forms provided by the department or other approved forms.

(c) Master plans. Where a dwelling is intended to be identically and repetitively constructed at different locations, a master plan may be submitted for approval. The plans shall include floor plans, elevations and data as required in section Ind 20.09 (4) (a) 2. and 3. If the plans conform to the provisions of the code, an approval and a master plan

number shall be issued. The number issued may be used in lieu of submitting building plans for each location. A plot plan shall be submitted for each location at the time of application for the Wisconsin uniform building permit.

(5) APPROVAL OF PLANS AND ISSUANCE OF PERMITS. (a) Plan approval. If the department, or the municipality administering and enforcing the code, determines that the plans submitted for a one- or 2-family dwelling substantially conform to the provisions of this code and other legal requirements, an approval shall be issued. The plans shall be stamped "conditionally approved" by a certified inspector or certified independent inspection agency. One copy shall be returned to the applicant; one copy shall be retained by the department or the municipality administering and enforcing the code. The conditions of approval shall be indicated by a letter or on the permit. All conditions of the approval shall be met during construction.

(b) Issuance of permits. 1. Uniform building permit. The Wisconsin uniform building permit shall be issued if the requirements for filing and fees are satisfied and the plans have been conditionally approved. The permit shall expire 24 months after issuance if construction has not commenced. The municipality issuing the Wisconsin uniform building permit shall send a copy of the application to the department.

2. Permit to start construction of footings and foundation. Construction may begin on footings and foundations prior to the issuance of the Wisconsin uniform building permit where a permit to start construction is obtained. Upon submittal of the application for a permit to start construction, a plot plan, complete footing and foundation information including exterior grading, and a fee, the department or the municipality enforcing this code may issue a permit to start construction of the footings and foundation. The issuance of a permit to start construction shall not influence the approval or denial of the application.

Note: 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 such system satisfies all applicable requirements and all necessary permits for such system have been obtained.

(c) *Posting of permit.* The Wisconsin uniform building permit shall be posted in a conspicuous place at the dwelling site.

(6) DISAPPROVAL OF PLANS AND DENIAL OF PERMITS. If the department, or the municipality administering and enforcing the code, determines that the Wisconsin uniform building permit application or the plans do not substantially conform to the provisions of this code or other legal requirements are not met, approval shall be denied.

(a) Denial of application. A copy of the "denied" application, accompanied by a written statement specifying the reasons for denial, shall be sent to the applicant and to the owner as specified on the Wisconsin uniform building permit application.

(b) Stamping of plans. Plans which do not substantially conform to the provisions of the code shall be stamped "not approved." One copy shall be returned to the person applying for the Wisconsin uniform building permit; one copy shall be retained by the department or the municipality administering and enforcing the code.

(c) Appeals. The applicant may appeal a denial of the application in accordance with the procedure outlined in section Ind 20.21.

(7) ACTION TO APPROVE OR DENY. Action to approve or deny shall be taken promptly and in no case longer than 14 days from the date of application.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.10 Inspections. All inspections, for the purpose of administering and enforcing this code, shall be performed by a certified inspector or certified independent inspection agency.

(1) REQUIRED INSPECTIONS. Inspections shall be conducted by the department or the municipality administering and enforcing this code to ascertain whether or not the construction or installations conform to the conditionally approved plans, the Wisconsin uniform building permit application and the provisions of this code and shall notify the permit holder and the owner of any violations to be corrected.

(a) Inspection notice. The applicant or an authorized representative shall, in writing or orally, request inspections of the department or the municipality administering and enforcing this code. The department, or the municipality administering and enforcing this code, shall perform the requested inspection within 48 hours after notification, except the final inspection. Construction shall not proceed beyond the point of inspection until the inspection has been completed. Construction may proceed if the inspection has not taken place within 48 hours of the notification, excluding Saturdays, Sundays and holidays, except if otherwise agreed between the applicant and the department or the municipality administering and enforcing the code.

(b) Inspection types. The following sequence of inspections shall be performed for the purpose of determining if the work complies with this code:

1. Footing and foundation inspection. The excavation shall be inspected after the placement of forms, shoring and reinforcement, where required, and prior to the placement of footing materials. Where belowgrade drain tiles, waterproofing or exterior insulation is required, the foundation shall be inspected prior to backfilling.

2. Rough inspection. A rough inspection shall be performed for each inspection category listed in a. through e. of this section after the rough work is constructed but before it is concealed. All categories of work for rough inspections may be completed before the notice for inspection is provided. The applicant may request one rough inspection or individual rough inspections. A separate fee may be charged for each individual inspection.

a. General construction, including framing.

b. Rough electrical.

c. Rough plumbing.

d. Rough heating, ventilating and air conditioning.

e. Insulation.

3. Final inspection. The dwelling may not be occupied until a final inspection has been made which finds that no violations of this code exist that could reasonably be expected to affect the health and safety of the occupant.

a. The basement portion of the dwelling may be occupied prior to completion of the dwelling, but only if the basement portion to be occupied would otherwise comply with the provisions of this code, particularly those relating to construction of underground dwellings.

(c) Notice of compliance or noncompliance. Notice of compliance or noncompliance shall be written on the building permit and posted at the job site. Upon finding of noncompliance, the department or the municipality enforcing this code shall notify the applicant and the owner, in writing, of the violations to be corrected. All cited violations shall be ordered corrected within 30 days after written notification, unless an extension of time is granted pursuant to section Ind 20.21.

(3) VOLUNTARY INSPECTION. The department or its authorized representative may, at the request of the owner or the lawful occupant, enter and inspect dwellings, subject to the provisions of this code, to ascertain compliance with this code.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.11 Suspension or revocation of Wisconsin uniform building permit. The department, or the municipality administering and enforcing this code, may suspend or revoke any Wisconsin uniform building permit where it appears that the permit or approval was obtained through fraud or deceit, where the applicant has willfully refused to correct a violation order or where the inspector is denied access to the premises. No construction shall take place on the dwelling after suspension or revocation of the permit.

(1) Any person aggrieved by a determination made by the municipality exercising jurisdiction may appeal the decision in accordance with section Ind 20.21.

(2) Any person aggrieved by a determination made by the department may appeal the decision in accordance with section Ind 20.21.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

### PART V—APPROVAL AND INSPECTION OF MANUFACTURED DWELLINGS AND THEIR COMPONENTS

Ind 20.12 Scope. This part shall govern the design, manufacture, installation and inspection of manufactured dwellings, manufactured building systems and the components of the building systems displaying the Wisconsin insignia.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.13 Manufacture, sale and installation of dwellings. (1) MANUFACTURE AND SALE. No manufactured dwelling, manufactured building system or component of the building system subject to this part shall be manufactured for use, sold for initial use or installed in this state unless it is approved by the department and it bears the Wisconsin

insignia issued or a state seal or an insignia reciprocally recognized by the department.

(2) INSTALLATION. A Wisconsin uniform building permit shall be obtained in accordance with the procedures outlined in section Ind 20.09 (1), (2), (3) and (4) (a) 1. before any on-site construction falling within the scope of this code is commenced for a manufactured dwelling. The permit shall be issued in accordance with section Ind 20.09 (5) (b) 1.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

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Ind 20.14 Approval procedures. (1) APPLICATION FOR APPROVAL. An application for the approval of any manufactured dwelling, building system or component shall be submitted to the department, in the form required by the department, along with the appropriate fees in accordance with section Ind 69.21.

(2) APPROVAL OF BUILDING SYSTEMS AND COMPONENTS. (a) Approval of building systems. 1. Plans and specifications. At least 3 complete sets of building, structural, mechanical and electrical plans (including elevations, sections, details), specifications and calculations of such building system shall be submitted to the department on behalf of the manufacturer for examination and approval.

2. Compliance assurance program. Three sets of the compliance assurance program shall be submitted for examination and approval. The compliance assurance program submitted to the department on behalf of the manufacturer shall meet the standards of the NBS "Model Rules and Regulations" [Ind 20.24 (3)] or their equivalent as determined by the department.

(b) Approval of building components. 1. Plans and specifications. At least 3 complete sets of plans and specifications for manufactured dwelling building components shall be submitted to the department on behalf of the manufacturer for examination and approval.

2. Compliance assurance program. Three sets of the compliance assurance program shall be submitted to the department on behalf of the manufacturer for examination and approval of components. The compliance assurance program shall meet the requirements established by the department or, where applicable, be in the form of the NBS "Model Rules and Regulations" [Ind 20.24 (3)].

(3) NOTIFICATION OF APPROVAL OR DENIAL OF PLANS, SPECIFICATIONS AND COMPLIANCE ASSURANCE PROGRAM. (a) Conditional approval. If the department determines that the plans, specifications, compliance assurance program and application for approval submitted for such building system or component substantially comform to the provisions of this code, a conditional approval shall be issued. A conditional approval issued by the department shall not constitute an assumption of any liability for the design or construction of the manufactured building.

1. Written notice. The conditional approval shall be in writing and sent to the manufacturer and the person submitting the application for approval. Any noncompliance specified in the conditional approval shall be corrected before the manufacture, sale or installation of the dwelling, building system or component.

#### Ind 20

2. Stamping of plans, specifications and compliance assurance program. Approved plans, specifications and compliance assurance programs shall be stamped "conditionally approved." At least 2 copies shall be returned to the person designated on the application for approval; one copy shall be retained by the department.

(b) *Denial*. If the department determines that the plans, specifications, compliance assurance program or the application for approval do not substantially conform to the provisions of this code, the application for approval shall be denied.

1. Written notice. The denial shall be in writing and sent to the manufacturer and the person submitting the application for approval. The notice shall state the reasons for denial.

2. Stamping of plans, specifications and compliance assurance program. Plans, specifications and compliance assurance programs shall be stamped "not approved." At least 2 copies shall be returned to the person submitting the application for approval; one copy shall be retained by the department.

(4) EVIDENCE OF APPROVAL. The manufacturer shall keep at each manufacturing plant where such building system or component is manufactured, one set of plans, specifications and compliance assurance program bearing the stamp of conditional approval. The conditionally approved plans, specifications and compliance assurance program shall be available for inspection by an authorized representative of the department during normal working hours.

(5) INSPECTIONS. Manufacturers shall contract with the department or an independent inspection agency to conduct in-plant inspections to assure that the building system and components manufactured are in compliance with the plans, specifications and the compliance assurance program approved by the department. All inspections, for the purpose of administering and enforcing this code, shall be performed by a certified inspector or certified independent inspection agency.

(6) WISCONSIN INSIGNIA. Upon departmental approval of the plans, specifications and compliance assurance program, and satisfactory inplant inspections of the building system and components, Wisconsin insignias shall be purchased from the department in accordance with the fee established in section Ind 69.21. A manufacturer shall be entitled to display the Wisconsin insignia on any approved system or component.

(a) Lost or damaged insignia. 1. Notification. If Wisconsin insignias become lost or damaged, the department shall be notified immediately, in writing, by the manufacturer or dealer.

2. Return of damaged insignias. If Wisconsin insignias become damaged, the insignia shall be returned to the department with the appropriate fee to obtain a new insignia.

(b) Affixing Wisconsin insignias. Each Wisconsin insignia shall be assigned and affixed to a specific manufactured dwelling or component in the manner approved by the department before the dwelling is shipped from the manufacturing plant.

Register, November, 1979, No. 287 Administration and Enforcement-

16

17

(c) Insignia records. 1. Manufacturer's insignia records. The manufacturer shall keep permanent records regarding the handling of all Wisconsin insignias, including construction compliance certificates, indicating the number of Wisconsin insignias which have been affixed to manufactured dwellings or manufactured building components (or groups of components); which Wisconsin insignias have been applied to which manufactured dwelling or manufactured building component; the disposition of any damaged or rejected Wisconsin insignias; and the location and custody of all unused Wisconsin insignias. The records shall be maintained by the manufacturer or by the independent inspection agency for at least 10 years. A copy of the records shall be sent to the department upon request.

2. Construction compliance certificate. Within 30 days after receiving the original Wisconsin insignias from the department, and at the end of each month thereafter, the manufacturer shall submit a construction compliance certificate, in the form determined by the department, for each manufactured dwelling intended for sale, use or installation in the state.

(d) Unit identification. Each manufactured dwelling and major transportable section or component shall be assigned a serial number. The serial number shall be located on the manufacturer's data plate.

(e) *Manufacturer's data plate*. The manufacturer's data plate for building systems shall contain the following information, where applicable:

1. Manufacturer's name and address;

2. Date of manufacture;

3. Serial number of unit;

4. Model designation;

5. Identification of type of gas required for appliances and directions for water and drain connections;

6. Identification of date of the codes or standards complied with;

7. State insignia number;

8. Design loads;

9. Special conditions or limitations of unit;

10. Electrical ratings; instructions and warnings on voltage, phase, size and connections of units and grounding requirements.

(7) RECIPROCITY. Upon request, the department will make available to any person a list of those states whose dwelling codes are considered equal to the codes established by the department and whose products are accepted reciprocally by Wisconsin.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.15 Effect of approval. (1) RIGHT TO BEAR INSIGNIA. A manufactured dwelling or building component approved by the department, manufactured and inspected in accordance with this code, shall be entitled to bear the Wisconsin insignia.

18

(2) EFFECT OF INSIGNIA. Manufactured dwellings and manufactured building components bearing the Wisconsin insignia are deemed to comply with this code, except as to installation site requirements, regardless of the provisions of any other ordinance, rule, regulation or requirement.

(3) RIGHT TO INSTALL. Manufactured dwellings and components bearing the Wisconsin insignia may be manufactured, offered for sale and shall be entitled to be installed anywhere in Wisconsin where the installation site complies with the other provisions of this code.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.16 Suspension and revocation of approval. The department shall suspend or revoke its approval of a manufactured building system or manufactured building component if it determines that the standards for construction or the manufacture and installation of a manufactured building system or manufactured building component do not meet this code or that such standards are not being enforced as required by this code. The procedure for suspension and revocation of approval shall be as follows:

(1) FILING OF COMPLAINT. Proceedings to suspend or revoke an approval shall be initiated by the department or an independent inspection agency having a contract with the manufacturer whose approval is sought to be suspended or revoked. Initiation shall be by a signed, written complaint filed with the department. Any alleged violation of the code shall be set forth in the complaint with particular reference to time, place and circumstance.

(2) INVESTIGATION AND NOTIFICATION. The department may investigate alleged violations on its own initiative or upon the filing of a complaint. If it is determined that no further action is warranted, the department shall notify the persons affected. If the department determines that there is probable cause, it shall order a hearing and notify the persons affected.

(3) MAILING. Unless otherwise provided by law, all orders, notices and other papers may be served by the department by certified mail to the persons affected at their last known address. If the service is refused, service may be made by sheriff without amendment of the original order, notice or other paper.

(4) RESPONSE. Upon receipt of notification of hearing from the department, the person charged with noncompliance or nonenforcement may submit to the department a written response within 30 days of the date of service. If the person charged files a timely written response, such person shall thereafter be referred to as the respondent.

(5) CONCILIATION AGREEMENT PRIOR TO HEARING. If the department and the respondent are able to reach agreement on disposition of a complaint prior to hearing, such agreement shall:

(a) Be transmitted in writing to the secretary;

(b) Not be binding upon any party until signed by all parties and accepted by the secretary;

(c) Not be considered a waiver of any defense nor an admission of any fact until accepted by the secretary.

Register, November, 1979, No. 287 Administration and Enforcement

19

(6) HEARINGS. (a) Subpoenas; witness fees. Subpoenas shall be signed and issued by the department or the clerk of any court of record. Witness fees and mileage of witnesses subpoenaed on behalf of the department shall be paid at the rate prescribed for witnesses in circuit court.

(b) Conduct of hearings. All hearings shall be conducted by persons selected by the department. Persons so designated may administer oaths or affirmations and may grant continuances and adjournments for cause shown. The respondent shall appear in person and may be represented by an attorney-at-law. Witnesses may be examined by persons designated by all parties.

(7) FINDINGS. The department shall make findings and enter its order within 14 days of the hearing. Any findings as a result of petition or hearing shall be in writing and shall be binding unless appealed to the secretary.

(8) APPEAL ARGUMENTS. Appeal arguments shall be submitted to the department in writing in accordance with ch. 227, Stats., unless otherwise ordered.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.17 Effect of suspension and revocation. (1) BEARING OF IN-SIGNIA. Upon suspension or revocation by the department of the approval of any manufactured dwelling or manufactured building component, no further insignia shall be attached to any dwelling or building component manufactured with respect to which the approval was suspended or revoked. Upon termination of such suspension or revocation, insignias may again be attached to the dwelling or building component manufactured after the date approval is reinstated. Should any dwelling or building component have been manufactured during the period of suspension or revocation, it shall not be entitled to bear the Wisconsin insignia unless the department has inspected, or caused to be inspected, such manufactured dwelling or manufactured building component and is satisfied that all requirements for certification have been met.

(2) RETURN OF INSIGNIAS. The manufacturer shall return to the department all insignias allocated for a manufactured dwelling or manufactured building component no later than 30 days from the effective date of any suspension or revocation of the approval by the department. The manufacturer shall also return to the department all insignias which it determines for any reason are no longer needed.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

#### PART VI—APPROVAL OF MATERIALS

Ind 20.18 Materials. (1) ALTERNATE MATERIALS. No provision in this code is intended to prohibit or prevent the use of any alternate material or method of construction not specifically mentioned in this code. Approval of alternate materials or methods of construction shall be obtained from the department. Requests for approval shall be accompanied by evidence showing that the alternate material or method of construction performs in a manner equal to or superior to the material or method required by the code. The department may require any

claims made regarding the equivalent performance of alternate materials or methods to be substantiated by test.

(a) Tests. The department may require that the materials, methods, systems, components, or equipment be tested to determine the suitability for the intended use. The department will accept results of tests conducted by a recognized independent testing agency. The cost of testing shall be borne by the person requesting the approval.

1. The test method used to determine the performance shall be one that is a nationally recognized standard.

2. If no nationally recognized standard exists, past performance or recognized engineering analysis may be used to determine suitability.

(2) UNGRADED OR USED MATERIALS. Ungraded or used building materials may be used or reused as long as the material possesses the essential properties necessary to achieve the level of performance required by the code for the intended use. The department or the municipality enforcing this code may require tests in accordance with (1) (a) of this section.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

### PART VII—VARIANCES, APPEALS, VIOLATIONS, PENALTIES AND SEVERABLE CLAUSES

Ind 20.19 Individual variance from a specific rule. The department may grant an individual variance to a specific rule only if the granting of such variance does not result in lowering the level of health, safety and welfare established or intended by the specific rule. The department may consider other reasonable criteria in determining whether a variance should be granted including, but not limited to, the effect of granting the variance on statewide and local uniformity.

(1) APPLICATION FOR VARIANCE. The applicant shall submit the application for variance to the municipality exercising jurisdiction. Where no municipality exercises jurisdiction, the appplication shall be submitted to the department. The following items shall be submitted when requesting a variance.

(a) A clear and concise written statement of the specific provisions of this code from which a variance is requested together with a specific statement of the procedure and materials to be used if the variance is granted.

(b) A fee to be determined by the department or the municipality exercising jurisdiction. Where the municipality administers and enforces the code, the department may require a fee for the processing of the application in addition to any municipal fee.

(2) MUNICIPAL RECOMMENDATION. The municipality administering and enforcing this code shall submit all applications for variance to the department, together with a municipal recommendation concerning whether or not a variance should be granted within 10 days, excluding Saturdays, Sundays and legal holidays, after the receipt of the application. The recommendation of the municipality shall include, but not be limited to, the following items:

(a) What inspections, if any, have actually taken place with regard to the dwelling for which a variance is requested;

(b) Whether or not any correction orders have been issued with regard to the dwelling; and

(c) Whether the granting of the variance would substantially affect the health, safety or welfare of any individual within the municipality.

(3) DEPARTMENTAL ACTION. Where a municipality administers and enforces the code, the department shall approve or deny applications for variance and shall mail said notification to the municipality and the applicant within 5 days, excluding Saturdays, Sundays and legal holidays, after receipt of the application for variance and recommendation is received from the municipality. Where the department administers and enforces the code, the department shall approve or deny applications for variance and shall mail said notification to the applicant within 15 days, excluding Saturdays, Sundays and legal holidays, after receipt of the application and fees by the department.

(4) APPEALS. Any aggrieved applicant, or the municipality administering and enforcing the code, may appeal the determination of the department in the manner set out in ss. 101.02 (6) (e) to (i) and (8), Stats.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

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Ind 20.20 Municipal variance from the code. Any municipality exercising or intending to exercise jurisdiction under this code may apply to the department for a variance permitting the municipality to adopt an ordinance not in conformance with this code.

(1) APPLICATION FOR VARIANCE. The department may grant an appplication only under the following circumstances:

(a) The municipality has demonstrated that the variance is necessary to protect the health, safety or welfare of individuals within the municipality because of specific climate or soil conditions generally existing within the municipality.

(b) The municipality has demonstrated that the granting of the variance, when viewed both individually and in conjunction with other variances requested by the municipality, does not impair the statewide uniformity of this code.

(2) DEPARTMENTAL INQUIRY. Prior to making a determination, the department shall solicit within the municipality and consider the statements of any interested persons as to whether or not said application should be granted.

(3) APPEALS. Any municipality aggrieved by the denial of such an application may appeal such determination in accordance with the procedure set out in ss. 101.02 (6) (e) to (i) and (8), Stats.

(4) UNIFORMITY. This section shall be strictly construed in accordance with the goal of promoting statewide uniformity.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.21 Appeals of orders, determinations, and for extension of time. (1) APPEALS OF ORDERS AND DETERMINATIONS BY A MUNICIPALITY EX-ERCISING JURISDICTION. Appeals of an order or determination of a municipality exercising jurisdiction under this code, including denials of application for permits, shall be made in accordance with the procedure set out in ch. 68, Stats., except as follows:

(a) Appeals of final determinations by a municipality exercising jurisdiction. Appeals of final determination by municipalities shall be made to the department after the procedures prescribed in ch. 68, Stats., have been exhausted. All such appeals to the department shall be in writing stating the reason for the appeal. All such appeals shall be filed with the department within 14 days of the date the final determination is rendered under ch. 68, Stats. The department shall render a written decision on all appeals.

Note: Chapter 68, Stats., provides that municipalities may adopt alternate administrative appeal procedures that provide the same due process rights as ch. 68, Stats. Municipalities having adopted such alternate procedures may follow those alternate procedures.

(2) APPEALS OF ORDERS AND DETERMINATIONS BY THE DEPARTMENT. Appeals of an order of the department made pursuant to the provisions of this code, including denials of application for permits, shall be in accordance with the procedure set out in ss. 101.02 (6) (e) to (i) and (8), Stats.

(3) EXTENSIONS OF TIME. (a) The time for correction of cited orders as set out in section Ind 20.10 shall automatically be extended in the event that an appeal of said orders is filed. The extension of time shall extend to the termination of the appeal procedure and for such additional time as the department or municipality administering and enforcing this code may allow.

(b) The department or municipality administering and enforcing this code may grant additional reasonable time in which to comply with a violation order.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.22 Penalties and violations. (1) VIOLATIONS. No person shall construct or alter any dwelling in violation of any of the provisions of this code.

(a) *Injunction*. When violations occur, the department may bring legal action to enjoin any violations.

(b) Ordinances. This code shall not affect the enforcement of any ordinance or regulation, the violation of which occurred prior to the effective date of this code.

(2) PENALTIES. Pursuant to ss. 101.66 and 101.77, Stats., whoever violates this code shall forfeit to the state not less than \$25 nor more than \$500 for each violation. Each day that the violation continues, after notice, shall constitute a separate offense.

(3) MUNICIPAL ENFORCEMENT. Any municipality which administers and enforces this code may provide, by ordinance, remedies and penalties for violation of that jurisdiction exercised under s. 101.65, Stats. These remedies and penalties shall be in addition to those which the

state may impose under (1) and (2) of this section. Any municipality invoking a remedy or penalty, including forfeiture, shall promptly notify the department of the remedy or penalty being imposed and the reason therefor.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

Ind 20.23 Saving and severable clauses. If, for any reason, any one or more sections, sentences, clauses or parts of this code are held invalid, such invalidity shall not affect, impair or invalidate the remaining provisions.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.

#### PART IX—ADOPTION OF STANDARDS

Ind 20.24 Adoption of standards. All dwellings are required to be designed by the method of structural analysis or the method of accepted practice outlined in each chapter of the code. Dwellings designed by the method of structural analysis shall comply with the standards and manuals listed in (1) through (5) of this section. Pursuant to s. 227.025, Stats., the attorney general and the revisor of statutes have consented to the incorporation by reference of the following standards. Copies of the standards are on file in the offices of the department, the secretary of state, the revisor of statutes and in each county law library. Copies for personal use may be obtained, at a reasonable cost, from the organizations listed.

(1) American Institute of Steel Construction, 1221 Avenue of the Americas, New York, N.Y. 10020, SPECIFICATION FOR 'THE DE-SIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS, WITH COMMENTARY, November 1, 1978.

(2) American Concrete Institute (ACI), P.O. Box 19150, Redford Station, Detroit, Michigan 48219, BUILDING CODE REQUIRE-MENTS FOR REINFORCED CONCRETE, ACI 318-77.

(3) National Bureau of Standards, U.S. Department of Commerce, Washington, D.C. 20234, MODEL DOCUMENTS FOR THE EVALU-ATION, APPROVAL, AND INSPECTION OF MANUFACTURED BUILDINGS, NBS Building Science Series 87, July 1976.

(4) National Forest Products Association, 1619 Massachusetts Ave. NW, Washington, D.C. 20036, NATIONAL DESIGN SPECIFICA-TION FOR WOOD CONSTRUCTION, 1977 edition, including DE-SIGN VALUES FOR WOOD CONSTRUCTION, a supplement to the 1977 edition of National Design Specification for Wood Construction; ALL-WEATHER WOOD FOUNDATION SYSTEM, DESIGN, FABRICATION, INSTALLATION MANUAL, revised June 1976.

(5) Portland Cement Association, 5420 Old Orchard Road, Skokie, Illinois 60076, CONCRETE MASONRY HANDBOOK FOR ARCHI-TECTS, ENGINEERS, BUILDERS, fourth edition, 1976.

History: Cr. Register, November, 1979, No. 287, eff. 6-1-80.