NEBRASKA
PUBLIC SERVICE
COMMISSION

MODULAR HOUSING UNIT
CONSTRUCTION RULES
AND REGULATIONS
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TITLE 291 - NEBRASKA PUBLIC SERVICE COMMISSION

CHAPTER 13 - MODULAR HOUSING UNIT CONSTRUCTION RULES AND REGULATIONS

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001.01 Scope and Application: All rules, regulations, and orders of the Department of Health and Human Services Regulation and Licensure or its predecessor agency adopted prior to May 1, 1998, in connection with the powers, duties, and functions transferred to the Nebraska Public Service Commission under the Nebraska Uniform Standards for Modular Housing Units Act, shall continue to be effective until revised, amended, repealed, or nullified pursuant to law.

In regard to any modular housing unit displaying the Nebraska Modular Housing Unit Seal, no suit, action, or other proceeding, judicial or administrative, lawfully commenced prior to May 1, 1998, or which could have been commenced prior to that date, by or against such department or agency, or the director or employee thereof is such director’s or employee’s official capacity or in relation to the discharge of his or her official duties, shall abate by reason of the transfer of duties and functions from the Nebraska Health and Human Services Department to the Nebraska Public Service Commission.

Any amendment(s) to any section(s) of these administrative rules and regulations which deals with construction standards shall apply only to those modular housing units manufactured on or after the effective date of the amendment(s). All modular housing units for which purchase orders have been received by the manufacturer prior to the effective date of any such amendment shall be considered to be manufactured prior to the effective date of the amendment. All modular housing units considered manufactured prior to the effective date of any amendment must meet the requirements of the section(s) as set out prior to any amendment.

Further, these Rules and Regulations shall govern the design, manufacture, and sale of modular housing units intended for sale, lease or installation in this state, or elsewhere, wherever such modular housing units are reciprocally accepted by virtue of the Nebraska seal. No agency or political subdivision of the state or a municipality shall require compliance with local codes or standards for the construction of or the installation of structural, plumbing, heating, or electrical
systems in a modular housing unit which are different from those established by the department in these administrative rules and regulations. An agency or political subdivision of this state or a municipality may prescribe reasonable and necessary requirements of the site development for modular housing units in accordance with local standards. Site development is defined for the purposes of such act as those local development requirements including, but not limited to, foundations, site utility requirements and their connections to the modular housing units, zoning and subdivision regulations, and fire control provisions.

001.02 Definitions: The following definitions shall apply to these standards. Where these definitions differ from those in the Standards adopted in Sections 001.03A, 001.03B, 001.03C and 001.03D, these shall be controlling:

001.02A Authorized Representative shall mean any person, firm or corporation, or employee thereof, designated by the Department to perform inspection services.

001.02B Commission shall mean the Nebraska Public Service Commission.

001.02C Date of manufacture shall mean the date the modular housing unit has been completed with all but minor finishing details and has left the assembly line.

001.02D Dealer shall mean any person other than a manufacturer who sells, offers to sell, distributes, or leases manufactured modular housing units primarily to persons who in good faith purchase or lease a modular housing unit for purposes other than resale.

001.02E Defect shall mean any defect in the performance, construction, components, or material of a modular housing unit that renders the modular housing unit or any part thereof not fit for the ordinary use for which it was intended.

001.02F Imminent Safety Hazard shall mean a hazard that presents an imminent and unreasonable risk of death or severe personal injury.

001.02G Initial Package shall mean the materials required for submission to the Department by a manufacturer who plans to market or manufacture modular housing units in Nebraska and is applying for seals to put on them, based on a showing that its use of proposed plans and specifications will produce modular
housing units which meet the applicable standards. Each initial package shall consist of:

001.02G1 Two copies of the compliance assurance manual (subsection 003.01B);

001.02G2 Two copies of the plans and specifications for each modular housing unit model (subsections 003.04).

001.02G3 A completed application for plan approval form prescribed by the Commission;

001.02G4 Completed application for seals on a form prescribed by the Commission; and

001.02G5 A check or money order for applicable fees.

001.02H Manufacturer shall mean any person who manufactures or produces modular housing units.

001.02I Modular housing unit shall mean any dwelling whose construction consists entirely of or the major portions of its construction consist of a unit or units not fabricated on the final site for the dwelling unit, which units are movable or portable until placed on a permanent foundation and connected to utilities. Modular housing units shall be taxed as real estate. The term modular housing unit shall not include a manufactured home (mobile home).

001.02J Person shall mean any individual, partnership, company, corporation, limited liability company, or association engaged in manufacturing, selling, offering to sell, or leasing modular housing units.

001.02K Compliance Assurance Manual shall mean the manual prepared by the modular housing unit manufacturer that lists the production process, guidelines and actions necessary to assure individual unit compliance with the standard adopted by the State of Nebraska (subsection 003.01B).

001.02L Seal shall mean a device or insignia issued by the Nebraska Public Service Commission to be displayed on the exterior of the modular housing unit to evidence compliance with Departmental standards.
001.02M Typicals shall mean the drawings that detail repetitive construction techniques necessary to assure code compliance.

001.03 Standards for Modular Housing Units: Except as provided by statute, the following standards are hereby adopted as the State of Nebraska Standards governing all construction and installation of plumbing, heating, and electrical systems in modular housing units.

001.03A INTERNATIONAL RESIDENTIAL CODE - 2015 EDITION, as published by the International Code Council, Inc., 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001, and made a part hereof by reference with the following revisions and amendments. A copy of this code is available to be viewed at the Nebraska Public Service Commission office at 300 The Atrium, 1200 N Street, Lincoln, Nebraska, during normal business hours.

001.03A1 Omit Chapter 1 entirely.

001.03A2 In Chapter 3, Section R301.2, remove the last sentence.

001.03A3 In Chapter 3, Table R301.2 (l), the value for “Ground Snow Load” shall be 30 psf, “Wind Design Speed (mph)” shall be 90 mph, “Wind Design Topographic Effects” shall be “No”, “Wind Design Special wind region” shall be “No”, “Wind Design Windborne debris zone” shall be “No”, “Seismic Design Category” shall be “C”. “Winter Design Temp” shall be “-4”, “Ice Barrier Underlayment Required” shall be “Yes” and “Air Freezing Index” shall be “2500”, and “Mean Annual Temp” shall be “50”. Footnote “d”, second sentence shall read, “Wind exposure category shall be “C”.

001.03A4 In Chapter 3, Table R301.5, change the value for “Sleeping rooms” to 40.

001.03A5 In Chapter 3, omit Section R313 entirely.

001.03A6 In Chapter 9, Section R905.2.7.1, remove all words prior to and including the first comma (,) and capitalize the “a” in “an”.

4
001.03A7 In Chapter 9, Section R905.2.7, remove all words prior to and including the first comma (,) and capitalize the “i” in “ice”.

001.03A8 In Chapter 11, Section N1101.2, retain only the section’s first sentence and replace the remainder of the section with, “The climate zone for all of Nebraska is “5”. The climate zone for homes to be located outside of Nebraska shall be determined by the site’s authority having jurisdiction”.

001.03A9 In Chapter 24, omit exceptions 3 and 4 in Section G2406.2.

001.03A10 In Chapter 31, Section P3103.2, the last sentence shall read, “Any increase in the size of the vent shall be made inside the structure to within three (3) inches (76 mm) of the thermal envelope of the building.”

001.03A11 Omit Chapters 33, 34, 35, 36, 37, 38, 39, 40, 41, 42 and 43.

001.03A12 Adopt Appendix A, B, C and K.

001.03B INTERNATIONAL BUILDING CODE, 2015 Edition, as published by the International Code Council, Inc., 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001, made part hereof by reference with the following revisions and amendments. This code shall be used only for buildings that are not detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress. A copy of this code is available to be viewed at the Nebraska Public Service Commission office at 300 The Atrium, 1200 N Street, Lincoln, Nebraska, during normal business hours.


001.03C INTERNATIONAL PLUMBING CODE, 2015 Edition, as published by the International Code Council, Inc., 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001, made a part hereof by reference with the following revisions and amendments. This code shall be used only for buildings that are not detached
one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress. A copy of this code is available to be viewed at the Nebraska Public Service Commission office at 300 The Atrium, 1200 N Street, Lincoln, Nebraska, during normal business hours.

001.03C1 In Chapter 1, omit Sections 101.1, 102, 103, 104, 105, 106, 107, 108, 109 and 110.

001.03C2 Adopt Appendix D, F and G.

001.03D NATIONAL ELECTRICAL CODE, adopted by the Nebraska State Electrical Board in 100 NAC 18 pursuant to Nebraska Revised Statutes Section 81-2104, issued and adopted by the National Fire Protection Association in Publication Number 70 is made a part hereof by reference. A copy of this code is available to be viewed at the Nebraska Public Service Commission office at 300 The Atrium, 1200 N Street, Lincoln, Nebraska, during normal business hours.

001.03E INTERNATIONAL MECHANICAL CODE, 2015 Edition, as published by the International Code Council, Inc., 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001, made a part hereof by reference with the following revisions and amendments. This code shall be used only for buildings that are not detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress. A copy of this code is available to be viewed at the Nebraska Public Service Commission office at 300 The Atrium, 1200 N Street, Lincoln, Nebraska, during normal business hours.

001.03E1 In Chapter 1 omit Sections 101.1, 102, 103, 104, 105, 106, 107, 108, 109 and 110.

001.03E2 Adopt Appendix A.

001.03F INTERNATIONAL FUEL GAS CODE, 2015 Edition, as published by the International Code Council, Inc., 500 New Jersey Avenue NW, 6th Floor, Washington, DC 20001, made a part hereof by reference with the following revisions and amendments. This code shall be used only for buildings that are not detached one- and two-family dwellings and multiple single-family dwellings (townhouses) not more than three stories high with separate means of egress. A copy of this code is available to
be viewed at the Nebraska Public Service Commission office at 300 The Atrium, 1200 N Street, Lincoln, Nebraska, during normal business hours.

001.03F1 In Chapter 1 omit Sections 101.1, 102, 103, 104, 105, 106, 107, 108, 109 and 110.

001.03F2 Adopt Appendix A, B and C.

001.03G These standards shall have the same force and effect as rules and regulations of the Nebraska Public Service Commission as if set out verbatim in this section, and shall be considered the State standards in regard to modular housing units.

002 SEALS:

002.01 Acquisition of Seal: Any person desiring to acquire a seal must meet the requirements of either 002.01A or 002.01B.

002.01A: Meet the requirements of Section 003 and compliance assurance program approval pursuant to Section 004.

002.01B: Have each home inspected twice, at a minimum, by a Commission representative at the convenience of the Commission. The manufacturer shall notify the Commission in advance so the Commission is able to inspect each home in the rough-in state (prior to the home being enclosed but after the framing, wiring and plumbing have been installed) and again when the home is fully completed.

002.02 Application for Seals: Any person who has met the applicable requirements of Subsection 002.01 shall apply for seals on a form prescribed by the Commission.

002.03 Denial and Suspension of Seals: The denial and suspension of seals shall be performed as described in the NEBRASKA UNIFORM STANDARDS FOR MODULAR HOUSING UNITS ACT. The Commission or an authorized representative of the Commission may order a manufacturer or dealer to refrain from selling, offering to sell or leasing any modular housing unit determined to be in noncompliance with the state codes, even though a Nebraska seal or reciprocal state seal is affixed to the unit.
The Commission or authorized representative of the Commission may affix to said non-complying unit or component thereof an insignia or device indicating such prohibition.

002.04 Lost or Damaged Seals:

002.04A When a seal becomes lost or damaged, the Commission shall be notified immediately in writing by the manufacturer or dealer. The manufacturer or dealer shall specify the state seal number lost or damaged.

002.04B All damaged seals shall be promptly returned. Damaged seals shall be replaced by the Commission with a new seal at Commission cost.

002.05 Placement of Seals:

002.05A Each seal shall be assigned and affixed to a modular housing unit before its shipment from the manufacturing plant and a record of each seal assignment shall be submitted as set forth in Subsection 002.06.

002.05B The seal shall be securely affixed to a lower corner of a window.

002.06 Records: A construction compliance certificate, prescribed by the Commission, shall be submitted to the Commission by the 10th of each month after the seal is affixed to the home. This rule applies to all Nebraska manufacturers for each unit manufactured in Nebraska and to all out of state manufacturers with housing units destined for Nebraska.

002.07 Unit Identification: Each modular housing unit shall be assigned a serial number and each major transportable section of the house shall carry this serial number. The serial number shall be readily visible. The following information shall be placed directly or by reference on one or more permanent data plates as prescribed by the Commission in the vicinity of the electrical distribution panel or in some other designated location that is readily accessible for inspection.

002.07A Manufacturer's name and address.

002.07B Serial number of the unit.
002.07C Model designation and name of manufacturer of major factory-installed appliances.

002.07D Where applicable, identification of permissible type of gas for appliances.

002.07E Name and date of standards complied with.

002.07F State seal number.

002.07G Design loads.

002.07H Special conditions or limitations of the unit.

002.07I Date of manufacture.

002.07J Electrical Ratings - instructions and warnings on voltage, phase, size, and connections of units and grounding requirements.

002.07K Insulation Values.

003 PLAN APPROVAL:

003.01 General Requirements: Applications, plans, and specifications, and other documentation shall be submitted as indicated below:

003.01A All plans and specifications of basic systems or variations thereof, including all elements relating to specific components and properly identified as relating to said components, shall be submitted in duplicate and accompanied by an application for review on a form supplied by the Commission. When required by Nebraska Revised Statutes, '81-3401 to 81-3455, all plans and specifications submitted to the Commission shall be prepared only by persons who are registered as professional engineers and architects in Nebraska.

003.01B A compliance assurance manual (two copies each) shall be provided with index including but not limited to the following:

003.01B1 Standards: The manual shall identify which of the following standards are adhered to by the manufacturer as adopted by the State of Nebraska:
IDENT. (Identification)
Identification of plant, modular housing models produced and manufacturing plant personnel involved with principal inspection agencies and related activities.

EXT. INSP. (External Inspection)
Agreements for principal inspection agencies and related activities.

A.C. ORGAN. (Assurance Compliance Organization) Company organization chart, functional characteristics of quality control groups, and resumes of key quality assurance personnel.

PRODUCTION
Description of product flow by work stations, workload at stations, inspection, production line testing, and final (at plant) inspection.

MATERIALS
Inspection procedure for controlling incoming material, materials in storage, specifications and approved materials list.

SALES
Sales contract and related obligations incurred by manufacturer and dealer.
003.01B8 SHIPPIING
Responsibility related to transportation of manufacturer's modular units.

003.01B9 ENGINEERING
Coding of drawings and calculations. Cross indexing of data.

003.01C If the manufacturer plans to produce the same design at more than one location, an additional set of the compliance assurance manual and inspection procedures for each additional location of manufacture shall be submitted to the Commission.

003.01D Plans shall be drawn to scale or properly proportioned with dimensions.

003.02 Required Construction Details: Plans and specifications for modular housing units shall indicate but not be limited to the following details:

003.02A General:

003.02A1 Details and method of installation of modular housing units or components to foundations or to each other.

003.02A2 All exterior elevations.

003.02A3 Cross sections as necessary to identify major building components to include complete structural details with justification (tests or calculations).

003.02A4 Attic access and attic ventilation.

003.02A5 Fire separation details, if required by code.

003.02A6 Sizes, locations, and types of doors and windows.

003.02B Complete heat loss, plumbing, mechanical and electrical plans or specifications indicating all pertinent elements for each model.

003.03 Validity of Approval: An approval granted by the Commission shall be valid from the date of issuance as a continuous certification, provided that the plans, specifications, and compliance assurance pro-
grams remain in compliance with the State Codes for modular housing units.

003.04 Confirm Information: Plans, specifications, and other information shall provide units which meet the state codes and shall be confirmed by calculations or tests. When designs cannot be verified by calculations, test of components must be conducted by a registered professional engineer or independent testing agency, the cost of which will be borne by the manufacturer.

003.05 Evidence of Plan Approval: Required material shall be submitted in duplicate. Plan approval shall be evidenced by a letter of approval from the Commission and the Commission stamp on each approved page. One copy of all approved documentation shall be returned to the manufacturer. Additional sets will be approved if requested.

004 COMPLIANCE ASSURANCE QUALITY CONTROL PROGRAM:

004.01 General: It shall be the manufacturer's responsibility to execute every aspect of the compliance assurance program. The manufacturer shall continue to be responsible for all corrective actions required. Each manufacturer must obtain approval of their compliance assurance program from the Commission.

004.02 Requirements of Manufacturer: The manufacturer of modular housing units shall submit the following, at a minimum, in duplicate:

004.02A Compliance assurance manual with index.

004.02B Installation procedures with appropriate inspection procedures. Utility hook-up information shall contain appropriate inspection criteria and test description.

004.02C Identification of the manufacturer's representative who will be assigned the responsibility for implementing the compliance assurance program, and define such individual's functional obligation, responsibility and authority. The Commission shall be advised of any subsequent change.

004.02D A statement identifying who is responsible directly, or by means of an agent, for timely and effective performance of service and repairs related to code compliance.

004.02E Changes to the compliance assurance manual.
004.03 Requirements of Inspection Agencies: To ensure that the final product conforms to the adopted construction standards set forth in Subsection 001.03, "Standards for Modular Housing Units", inspection agencies shall follow the following requirements:

004.03A Be totally familiar with the procedures, materials, and design specifications, as stated in the manufacturer's approved design plans and compliance assurance manual.

004.03B During the in-plant inspection, the inspector shall check for, but not be limited to, the following:

004.03B1 Floor Framing:

004.03B1a Materials: Structural, framing members - joists, beams, stringers, blocking, bridging.

- 004.03B1a(1) Species
- 004.03B1a(2) Grade
- 004.03B1a(3) Size(s)
- 004.03B1a(4) Moisture Content
- 004.03B1a(5) Preservative Treatment
- 004.03B1a(6) Condition/Tolerances (e.g., warp, bow, splits, twist)

004.03B1b Operations:

- 004.03B1b(1) Measuring and Cutting
- 004.03B1b(2) Drilling and Notching
- 004.03B1b(3) Layout/Spacing
- 004.03B1b(4) Framing for Floor Openings (e.g., stairwells)
004.03Blc Fasteners: Nails, bolts/screws, joist hangers.

004.03Blc(1) Size
004.03Blc(2) Type/Grade
004.03Blc(3) Condition

004.03Bld Connections:

004.03Bld(1) Number (of fasteners)
004.03Bld(2) Location and Spacing
004.03Bld(3) Method (e.g., toenail, end-nail)
004.03Bld(4) Bearing of Members
004.03Bld(5) Washers (with bolts/screws)
004.03Bld(6) Workmanship

004.03B2 Floor Insulation:

004.03B2a Materials: Moisture barrier, thermal insulation.

004.03B2a(1) Size (e.g., thickness, weight)
004.03B2a(2) Type/Grade
004.03B2a(3) Condition (e.g., dry, undamaged)

004.03B2b Installation:

004.03B2b(1) Moisture Barrier
004.03B2b(2) Thermal Insulation
004.03B2b(3) Workmanship

004.03B3 Floor Sheathing:

004.03B3a Materials: Plywood, proprietary sheathing types.

004.03B3a(1) Size (e.g., thickness)
004.03B3a(2) Type/Grade
004.03B3a(3) Condition/Tolerances

004.03B3b Fasteners:

004.03B3b(1) Nails, Staples
004.03B3b(2) Adhesives

004.03B3c Installation:

004.03B3c(1) Measuring and Cutting
004.03B3c(2) Layout
004.03B3c(3) Nails, Staples
004.03B3c(4) Adhesives
004.03B3c(5) Methods

004.03B4 Wall Framing and Setting:

004.03B4a Materials: Structural framing members - studs, plates, and lintels.

004.03B4a(1) Species
004.03B4a(2) Grade
004.03B4a(3) Size(s)
004.03B4a(4) Moisture Content
004.03B4a(5) Condition/Tolerances (e.g., warp, bow, splits, twist)

004.03B4b Operations:

004.03B4b(1) Measuring and Cutting

004.03B4b(2) Drilling and Notching

004.03B4b(3) Layout/Spacing

004.03B4b(4) Framing for Wall Openings

004.03B4c Fasteners: Nails, bolts/screws, staples.

004.03B4c(1) Size

004.03B4c(2) Type/Grade

004.03B4c(3) Condition

004.03B4d Connections:

004.03B4d(1) Number (of fasteners)

004.03B4d(2) Location and Spacing

004.03B4d(3) Method (e.g., toenail, end-nail)

004.03B4d(4) Bearing of Members

004.03B4d(5) Plumb and Square

004.03B4d(6) Workmanship
004.03B4e Erection/Setting of Walls:
  004.03B4e(1) Connections/Fasteners
  004.03B4e(2) Bearing of Members
  004.03B4e(3) Workmanship

004.03B5 Wall Insulation:
  004.03B5a Materials: Moisture barrier, thermal insulation.
    004.03B5a(1) Size (e.g., thickness, weight)
    004.03B5a(2) Type/Grade
    004.03B5a(3) Condition (e.g., dry undamaged)

  004.03B5b Installation:
    004.03B5b(1) Moisture Barrier
    004.03B5b(2) Thermal Insulation

004.03B6 Interior Wall Covering:
  004.03B6a Materials: Gypsum Wallboard
    004.03B6a(1) Size (thickness)
    004.03B6a(2) Type/Grade
    004.03B6a(3) Condition

  004.03B6b Fasteners:
    004.03B6b(1) Nails, screws, wallboard clips
    004.03B6b(2) Adhesives
004.03B6c Installation:

004.03B6c(1) Nails, Screws
004.03B6c(2) Adhesives
004.03B6c(3) Method

004.03B7 Ceiling/Roof Framing and Setting:

004.03B7a Materials: Structural framing members - rafters, joists, roof trusses.

004.03B7a(1) Species
004.03B7a(2) Grade
004.03B7a(3) Sizes
004.03B7a(4) Moisture Content
004.03B7a(5) Condition/Tolerances (e.g., warp, bow, splits, twist)

004.03B7b Operations:

004.03B7b(1) Measuring and Cutting
004.03B7b(2) Drilling and Notching
004.03B7b(3) Layout/Spacing
004.03B7b(4) Laps and Splices
004.03B7b(5) End Bearing
004.03B7b(6) Framing for Openings

004.03B7c Fasteners: Nails, bolts/screws, truss plates

004.03B7c(1) Size
004.03B7c(2) Type/Grade
004.03B7c(3) Condition

004.03B7d Connections:
004.03B7d(1) Number (of fasteners)
004.03B7d(2) Location and Spacing
004.03B7d(3) Method (e.g., toenail, end-nail)
004.03B7d(4) Bearing of Members
004.03B7d(5) Plumb and Square
004.03B7d(6) Workmanship

004.03B7e Erection/Setting of Ceilings/Roof:
004.03B7e(1) Connections/Fasteners
004.03B7e(2) Bearing of Members
004.03B7e(3) Workmanship

004.03B8 Interior Ceiling Covering:
004.03B8a Materials: Gypsum Wallboard.
004.03B8a(1) Size (thickness)
004.03B8a(2) Type/Grade
004.03B8a(3) Condition

004.03B8b Fasteners:
004.03B8b(1) Nails, Screws, Wallboard Clips
004.03B8b(2) Adhesives

004.03B8c Installation:

004.03B8c(1) Nails, Screws

004.03B8c(2) Adhesives

004.03B8c(3) Method

004.03B9 Plumbing:

004.03B9a Materials:

004.03B9a(1) Pipe - D.W.V.

004.03B9a(2) Pipe - Water Supply and Distribution

004.03B9a(3) Pipe - Gas Fuel Supply Piping

004.03B9a(4) Plumbing Fixtures/Drains (traps, trap arms)

004.03B9a(5) Valves

004.03B9a(6) Appliances and Equipment

004.03B9a(7) Miscellaneous - Air gaps, pipe coatings, compounds, solder

004.03B9b Install Drainage System:

004.03B9b(1) Piping

004.03B9c Install Venting System:

004.03B9c(1) Installation

004.03B9d Install Traps and Trap Arms:

004.03B9d(1) Installation
004.03B9e Install Joints and Connections:
  004.03B9e(1) Installation

004.03B9f Install Indirect Waste Piping, Wet Vented Systems And Special Wastes:
  004.03B9f(1) Installation

004.03B9g Install Plumbing Fixtures:
  004.03B9g(1) Installation

004.03B9h Install Water Distribution System:
  004.03B9h(1) Installation

004.03B9i Install Fuel Gas Piping:
  004.03B9i(1) Installation

004.03B9j Install Water Heater and Vents:
  004.03B9j(1) Installation

004.03B10 Electrical:
  004.03B10a Materials:
    004.03B10a(1) Service Equipment
    004.03B10a(2) Distribution Panel and Load Center
    004.03B10a(3) Feeder Circuits
    004.03B10a(4) Branch Circuits
    004.03B10a(5) Fixed Appliances, Ranges, Water Heaters
    004.03B10a(6) Outlet Boxes, Switches, Junction Boxes, Fittings
004.03B10a(7) Lighting Fixtures, Lampholders and Lamps

004.03B10b Install Electrical Service:

004.03B10b(1) Identification
004.03B10b(2) Mounting Cabinet
004.03B10b(3) Service Entrance
004.03B10b(4) Grounding Continuity
004.03B10b(5) Gutter at Service
004.03B10b(6) Service Disconnect
004.03B10b(7) Workmanship

004.03B10c Install Distribution:

004.03B10c(1) Identification
004.03B10c(2) Mounting
004.03B10c(3) Over Current Protection
004.03B10c(4) Grounding and Bonding
004.03B10c(5) Workmanship

004.03B10d Install Feeder Circuits:

004.03B10d(1) Identification
004.03B10d(2) Drilling, Boring-Studs/Joists
004.03B10d(3) Mechanical Protection
004.03B10d(4) Mechanical Continuity
004.03B10d(5) Installation
004.03B10d(6) Workmanship

004.03B10e Install Branch Circuits:
004.03B10e(1) Identification
004.03B10e(2) Drilling, Boring-Studs/Joists
004.03B10e(3) Mechanical Protection
004.03B10e(4) Mechanical Continuity
004.03B10e(5) Installation
004.03B10e(6) Workmanship

004.03B10f Install Fixed Appliances, Ranges, Water Heaters:
004.03B10f(1) Marking
004.03B10f(2) Supply Circuits
004.03B10f(3) Location
004.03B10f(4) Grounding
004.03B10f(5) Over Current Protection
004.03B10f(6) Workmanship

004.03B10g Install Outlet, Switch and Junction Boxes and Fittings:
004.03B10g(1) Identification
004.03B10g(2) Mounting and Installation
004.03B10g(3) Size and Shape
004.03B10g(4) Covers and Canopies
004.03B10g(5) Conductors
004.03B10g(6) Accessibility
004.03B10g(7) Grounding, Bonding and Insulation from Supports
004.03B10g(8) Workmanship

004.03B10h Lighting Fixtures, Lampholders, Lamps, Rosettes, Outlet Boxes:
004.03B10h(1) Identification
004.03B10h(2) Installation

004.03B10i Testing of System:
004.03B10i(1) Continuity Test
004.03B10i(2) Functional Test of Fixtures and Appliances

004.03B11 Mechanical (HVAC) System:

004.03B11a Materials:
004.03B11a(1) Heating Equipment, Furnaces, Room Heaters
004.03B11a(2) Ventilation Systems
004.03B11a(3) Air Conditioning Equipment
004.03B11a(4) Miscellaneous Heat Producing Appliances - Ranges, Dryers

004.03B11b Install Warm Air Furnaces:
004.03B11b(1) Identification
004.03B11b(2) Installation
004.03B11b(3) Circulating Air Supply
004.03B11b(4) Conditioned Air Supply
004.03B11b(5) Combustion Air
004.03B11b(6) Workmanship

004.03B11c Vents/Chimneys:
004.03B11c(1) Identification
004.03B11c(2) Type/System
004.03B11c(3) Size/Area
004.03B11c(4) Location/Support
004.03B11c(5) Length/Pitch/Clearance
004.03B11c(6) Termination
004.03B11c(7) Connectors
004.03B11c(8) Unused Openings
004.03B11c(9) Workmanship

004.03B11d Ducts:
004.03B11d(1) Identification
004.03B11d(2) Fastening/Support
004.03B11d(3) Location
004.03B11d(4) Plenum
004.03B11d(5) Workmanship
004.03B1le Install Floor Furnaces, Room Heaters:

004.03B1le(1) Identification/Label/Listing
004.03B1le(2) Type/System
004.03B1le(3) Location/Access
004.03B1le(4) Combustion Air Supply
004.03B1le(5) Grilles/Registers
004.03B1le(6) Support
004.03B1le(7) Protection from Damage
004.03B1le(8) Controls-Manual/Auto
004.03B1le(9) Electrical Connectors
004.03B1le(10) Workmanship

004.03B1lf Install Ventilation System:

004.03B1lf(1) Ducts
004.03B1lf(2) Hoods
004.03B1lf(3) Workmanship

004.03B1lg Install Air Conditioning Equipment:

004.03B1lg(1) Identification
004.03B1lg(2) Location
004.03B1lg(3) Support
004.03B1lg(4) Access
004.03B11g(5) Circulating Air Supply
004.03B11g(6) Return Air Limitation
004.03B11g(7) Workmanship

004.03B11h Install Miscellaneous Heat Producing Appliances, Ranges, Dryers:
004.03B11h(1) Identification
004.03B11h(2) Location
004.03B11h(3) Clearances
004.03B11h(4) Ducts
004.03B11h(5) Workmanship

004.03B11i Testing of Mechanical Merchandise:

004.03B12 Ceiling Insulation:
004.03B12a Materials: Moisture Barrier, Thermal Insulation
004.03B12a(1) Size (e.g., thickness, weight)
004.03B12a(2) Type/Grade
004.03B12a(3) Condition (e.g., dry, undamaged)

004.03B12b Installation:
004.03B12b(1) Moisture Barrier
004.03B12b(2) Thermal Insulation
004.03B13 Miscellaneous Components (Window, Exit Door, and Stairway) Installation:

004.03B13a Materials:

004.03B13a(1) Doors and Windows
004.03B13a(2) Stairways

004.03B13b Installation:

004.03B13b(1) Door and Windows
004.03B13b(2) Stairways

004.03B14 Wall Sheathing:

004.03B14a Materials: Plywood, fiberboard, proprietary sheathing types.

004.03B14a(1) Size (e.g., thickness)
004.03B14a(2) Type/Grade
004.03B14a(3) Condition/Tolerance

004.03B14b Fasteners:

004.03B14b(1) Nails, Staples
004.03B14b(2) Adhesives

004.03B14c Installation:

004.03B14c(1) Measuring and Cutting
004.03B14c(2) Layout
004.03B14c(3) Nails, Staples
004.03B14c(4) Adhesives
004.03B15 Exterior Siding:

004.03B15a Materials:

- 004.03B15a(1) Exterior Wall Siding
- 004.03B15a(2) Weather Flashing
- 004.03B15a(3) Caulking Compounds/Mastics

004.03B15b Fasteners:

- 004.03B15b(1) Nails, Staples
- 004.03B15b(2) Adhesives

004.03B15c Installation:

- 004.03B15c(1) Flashing
- 004.03B15c(2) Layout
- 004.03B15c(3) Weather Tightness
- 004.03B15c(4) Nails, Staples
- 004.03B15c(5) Adhesives
- 004.03B15c(6) Caulking Application
- 004.03B15c(7) Corner Treatment
- 004.03B15c(8) Painting/Finishing

004.03B16 Roof Sheathing:

004.03B16a Materials: Plywood, proprietary sheathing types.

- 004.03B16a(1) Size (e.g., thickness)
- 004.03B16a(2) Type/Grade
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Section 4.03.16a(3) Condition/Tolerances

Section 4.03.16b Fasteners:

- Section 4.03.16b(1) Nails, Staples, Plyclips
- Section 4.03.16b(2) Adhesives

Section 4.03.16c Installation:

- Section 4.03.16c(1) Measuring and Cutting
- Section 4.03.16c(2) Layout
- Section 4.03.16c(3) Nails, Staples
- Section 4.03.16c(4) Adhesives
- Section 4.03.16c(5) Methods

Section 4.03.17 Finish Roofing:

Section 4.03.17a Materials:

- Section 4.03.17a(1) Underlayment
- Section 4.03.17a(2) Roofing
- Section 4.03.17a(3) Weather Flashing
- Section 4.03.17a(4) Nails

Section 4.03.17b Installation:

- Section 4.03.17b(1) Underlayment
- Section 4.03.17b(2) Flashing
- Section 4.03.17b(3) Layout
- Section 4.03.17b(4) Nails
- Section 4.03.17b(5) Exposure
004.03B17b(6) Workmanship

004.03B18 Compliance Inspection and Certification:

004.03B18a Compliance Review:

004.03B18a(1) Manufacturers checklist (traveler)

004.03B18a(2) Test equipment and procedures

004.03B18a(3) Material storage

004.03B18a(4) Drawing availability

004.03B18a(5) Design Referral responses

004.03B18b Seal Review:

004.03B18b(1) Contents

004.03B18b(2) Location

004.03B18b(3) Attachment

004.03B18c Construction Compliance Certificate Review

004.03B18d Manufacturer's Data Plate:

004.03B18d(1) Contents

004.03B18d(2) Location

004.03B18d(3) Attachment

004.04 Initial and Monitoring In-Plant Inspection by Inspection Agencies:

004.04A Initial In-Plant Inspection: Once a Manufacturer's compliance assurance manual and plans have been approved, the inspection agency shall perform the initial inspection. The initial inspection shall consist of the inspection agency making
a station-by-station thorough evaluation of the manufacturer’s operation to assure that the manufacturer is operating in accordance with the criteria set forth in the previously approved compliance assurance manual and plans. In so doing, the inspection agency shall utilize the in-plant inspection checklist specified in Subsection 004.03.

If the manufacturer during the initial inspection is found to be producing units in accordance with the approved compliance assurance manual and plans, the inspection agency shall notify the manufacturer, in writing, with a copy being forwarded to the Nebraska Public Service Commission.

The notification letter to the manufacturer from the inspection agency shall be signed by an authorized agent of the inspection agency and shall include the following:

004.04A1 Name of inspection agency.
004.04A2 Name of inspector(s).
004.04A3 Date(s) inspection was performed.
004.04A4 Name and address of manufacturer.
004.04A5 Statement from the inspection agency stating “A thorough, complete and station-by-station inspection and evaluation of the manufacturer’s construction and inspection process was performed in conformance with its approved plans and compliance assurance manual and Nebraska’s standards for modular housing units, and the inspection agency is satisfied that the manufacturer can produce modular housing units in conformance with Nebraska standards for modular housing units on an ongoing basis.”
004.04A6 Signed and dated by an authorized agent of the inspection agency.

004.04B If the initial inspection reveals deviations from the previously approved compliance assurance manual and plans, the inspection agency shall notify the manufacturer, in writing, of deviations, specifying in detail the observed deviations. A copy of this letter shall be sent to the Nebraska Public Service Commission. Upon notification from the plant that the specified
deviations have been corrected, the inspection agency shall again make an initial inspection of the plant following the procedure previously outlined in this section 004.04A.

004.04C Monitoring In-Plant Inspections: Following notification to a manufacturer under Part 004.04A, the inspection agency shall undertake monitoring in-plant inspections at a frequency sufficient to inspect every home that will receive the Nebraska modular housing unit seal and to assure continuing compliance with the manufacturer's compliance assurance program. Additional factors which the inspection agency shall take into consideration in determining frequency of monitoring in-plant inspections are as follows:

004.04C1 Production Volume
004.04C2 Design Complexity of Units
004.04C3 The qualifications of the manufacturer's own in-house compliance control organization.
004.04C4 The experience record of the manufacturer.

004.04D The in-plant inspection agency shall utilize the in-plant inspection check list in Subsection 004.03 to assure that each construction feature (structural, mechanical, plumbing, and electrical) is fully evaluated.

004.05 Seal Issuance: Upon satisfactory completion of the initial in-plant inspection and notification letter issued to the manufacturer by the inspection agency, the manufacturer shall act in accordance with the provisions of Section 002.

005 FEES:

005.01 Fees for Seals: One seal is required per modular housing unit. A fee shall be charged for each seal issued by the Commission for a modular housing unit as established at least annually after public notice and hearing by the Commission.

005.02 Plant Inspection Fee: Fees shall be charged by the Commission for the inspection of manufacturing plants located outside the State of Nebraska in an amount not to exceed the actual cost of such inspection. The fees shall consist of reimbursement by the manufacturer, to the
State, of the inspector's time, and (a) airfare; (b) ground transportation; (c) lodging; and (d) miscellaneous expenses, charged in accordance with the State of Nebraska's current employee travel expense reimbursement policy. In the event that the state inspector inspects more than one manufacturer's plant on the same trip, the fees which cannot be specifically identified to each plant shall be prorated among all manufacturers whose plants were inspected.

005.03 Engineering Services Fee: A person who submits an initial package (see 001.02G) to the Commission for review and approval shall be charged for Commission engineering services provided for performing the review of the initial package at an hourly rate as established annually after public notice and hearing by the Commission based upon sixty (60) hours of review time.

006 RECIPROCITY LIST:

006.01 Procedure to Determine Reciprocity: The Commission shall amend section 006.02, and add to the reciprocity list a state, upon a showing that the standards, codes and enforcement practices are at least equal to or are more stringent than those established by the Commission. Any affected person may petition the Commission pursuant to the Rules of Commission Procedure as codified by state law and Nebraska Administrative Code, Title 291, Chapter 1. A modular housing unit which bears the seal of any state which has been placed on the reciprocity list shall not be required to bear the seal issued by this state.

006.02 Reciprocity List: The Commission shall make available to all interested individuals a list of those states whose standards, codes and enforcement practices for modular housing units are at least equal to those established by the Commission and are being enforced by such other state.

006.02A List of Reciprocal States: None

007 ENFORCEMENT ACTIONS:

007.01 Denials and Suspensions: Whenever the Commission determines to refuse to issue or suspend a seal or deny plan or compliance assurance approval for a manufacturer or becomes aware of the existence of a defect or imminent safety hazard, it shall send to the manufacturer, by either registered or certified mail, a notice setting forth the particular reasons for the actions. Such notice shall state that the refusal of issuance, suspension, or denial shall become final fifteen (15) working days after the receipt of the notice, unless the manufacturer within such fifteen working day period, shall give written notice
to the Commission of the desire for a formal hearing. The Commission shall then schedule a formal hearing to be held before the Commission such act of scheduling to be performed within twenty (20) working days of the receipt of the request and such hearing to be held within sixty (60) working days of the receipt of the request. No seals shall be sent by the Commission to the manufacturer during this period of time before the hearing. Resumption of transmittal of seals shall depend upon the results of the hearing.

007.02 Hearings: Any hearings held before the Commission shall be governed by the Rules of Commission Procedure as codified by state law and Nebraska Administrative Code, Title 291, Chapter 1.

008 RULE REVISIONS:

008.01 Ad Hoc Committee: The Commission shall utilize an ad hoc advisory committee of four (4) members to review any proposed revisions to these rules. All ad hoc committee members shall be selected by the Commission and meet in person, via video conference or telephone conference, or through any combination of the aforementioned methods as determined to be convenient to the Commission and the ad hoc committee members. The membership shall consist of, when possible, no more than one person from each of the following groups (modular housing unit manufacturer, modular housing unit retailer, professional engineer or architect, city building official). Committee members are ineligible for expense reimbursement.