



OFFICE OF HOUSING

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-8000

September 11, 2024

**24-IW4-AC
NEW**

ALL MANUFACTURED HOME MANUFACTURERS

Dear Manufacturer:

To promote the purposes of the National Manufactured Housing Construction and Safety Standards Act of 1974 (Act), as amended, and assist the manufactured housing industry to gain design approval and construct multi-dwelling unit manufactured homes, the U.S. Department of Housing and Urban Development (HUD) issues this Alternative Construction (AC) letter under the terms and conditions stated herein. In accordance with 24 CFR 3282.14(b)(3), HUD has determined that compliance with specific standards stated herein would prohibit the design approval and construction of multi-dwelling unit manufactured homes, that equivalent or superior performance of homes to that required by the Manufactured Home Construction and Safety Standards (24 CFR Part 3280 “Standards”) is viable, issuance of an AC letter would be for purposes development of new techniques or designs, no affirmative action is needed to protect the public interest, and is consistent with the objectives of the National Manufactured Housing and Construction Safety Standards Act of 1974 (the Act), as amended by the Manufactured Housing Improvement Act of 2000. In accordance with 24 CFR §3282.14(a)(3) and (c) of the Manufactured Home Procedural and Enforcement Regulations, HUD will permit the approval of designs and subsequent construction of multi-dwelling unit manufactured homes provided design and construction complies with the additional provisions for multi-dwelling unit manufactured homes design and construction requirements set forth in this AC Letter and all remaining Standards.

Please note that the manufactured homes built under this AC letter may also require one or more additional AC letters or On-Site Completion of Construction (SC) approvals. The manufacturer is responsible for complying with all terms and conditions set forth in each AC and SC approval, as may be applicable.

Any structure manufactured to the design approved based upon this AC letter will not comply with 24 CFR §3280.2 Definitions of Manufactured home and Dwelling Unit, in that the completed structure will be designed for more than a single family. HUD will not take enforcement action against the manufacturer for violation of the Standards listed above if it complies with the requirements and conditions listed below.

This AC letter is effective on the date of issuance identified above, and for an UNLIMITED number of homes. This AC letter expires on the effective date of the forthcoming Final Rule

amending the Standards, the Manufactured Home Procedural and Enforcement Regulations (24 CFR Part 3282, “Rules”), Model Manufactured Home Installation Standards (24 CFR part 3285), and Manufactured Home Installation Program (24 CFR Part 3286) (“Final Rule”), that includes design and construction standards for multi-dwelling unit manufactured homes.

Each manufacturer is responsible for complying with the following requirements:

1. Before any manufactured homes can be built in accordance with a design approval relying upon this AC letter, the manufacturer shall inform the Department and its IPIA and Design Approval Primary Inspection Agency (DAPIA) of its need and option to use this AC letter. The notification to HUD, including the specific production facilities to be included, can be sent via email to the Department at: MHSreporting@HUD.gov
2. Manufactured homes sold directly to the Federal Emergency Management Agency (FEMA) must be reported on the HUD form 302 with purchaser/consumer information for FEMA. FEMA is not a retailer of manufactured homes. Further, the location for shipment must reflect the physical address of the first destination of the home, whether it is a storage facility, holding facility, or FEMA field office for disaster deployment. Listing FEMA’s headquarters as the shipping address is not appropriate. Manufactured homes sold to or through a retailer or distributor for consumer purchase shall be reported with retailer information and consumer information completed.
3. The manufacturer must ensure that FEMA or each prospective purchaser receives a copy of the enclosed “Notice to Purchaser” (see “Exhibit A”) before entering into any sales agreement.
4. The manufacturer must place the “Notice to Purchaser” in clear view in every kitchen area of the home. It must not be removed until the sale of the home is complete.
5. All AC manufactured homes built according to a design approval relying upon this AC letter must have the letters “AC” in the serial number stamped on the manufactured home’s chassis and in all official paperwork.
6. The AC letter is not model specific and can be relied upon for any DAPIA to approve a model design that is determined by the DAPIA to not exceed the design considerations of this AC letter and comply with all terms and conditions contained in this AC letter.
7. Each model design and all related design documents, including installation instructions, for each manufactured home to be constructed under this industry-wide AC letter must include the language “REQUIRES AC LETTER.”
8. For each single unit that provides complete independent living facilities for one or more persons, where the occupancy is primarily permanent in nature, including permanent provisions for separate living, sleeping, cooking, eating, and sanitation (“dwelling unit”), a manufacturer’s design presented for approval or any home built under this AC letter shall meet the following design and construction requirements:

- a. Construction is limited to a maximum of four dwelling units for a single multi-dwelling unit manufactured home.
 - b. Each dwelling unit of a manufactured home must have at least one living area with a minimum of 150 square feet of gross floor area.
 - c. Each dwelling unit of a manufactured home must bear a data plate affixed in a permanent manner near the main electrical panel or other readily accessible and visible location.
 - d. Each dwelling unit must have a heating and cooling certificate affixed to an interior surface that is readily visible to the occupant.
 - e. Each dwelling unit must have an individual water supply service.
 - f. Each dwelling unit must have an individual gas supply service, (if used as fuel for cooking or heating).
 - g. Each dwelling unit must have two egress doors.
 - h. Each dwelling unit must have a heating/cooling system serving only that unit with a control (e.g., thermostat).
 - i. Each multi-dwelling unit manufactured home must be provided with DAPIA-approved installation instructions prepared in accordance with the Manufactured Home Model Installation Standards (24 CFR 3285) and must include at least one method of completing the fire separation set forth in paragraph 10.
9. *Sound transmission requirements.* Sound transmission between multi-dwelling unit manufactured homes must comply with the following requirements applicable to common interior walls, partitions, and floor/ceiling assemblies between adjacent dwelling units.
- a. *Air-borne sound.* Walls, partitions, and floor/ceiling assemblies between stories separating dwelling units from each other must have a sound transmission class (STC) of not less than 34 for air-borne noise when tested in accordance with ASTM E90–09, (Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements, 2009) or calculated. Penetrations or openings in construction assemblies for piping; electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating, or exhaust ducts must be sealed, lined, insulated or otherwise treated to maintain the required ratings. This requirement does not apply to dwelling unit entrance doors; however, such doors must be tight fitting to the frame and sill.

- b. *Structure-borne sound.* Floor/ceiling assemblies between stories separating dwelling units must have an impact insulation class (IIC) rating of not less than 34 when tested in accordance with ASTM E492–09(Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine, 2009).
10. Each dwelling unit must be separated from each other by wall and floor assemblies having not less than a 1 hour fire resistance rating when tested in accordance with ASTM E119–14, Standard Test Methods for Fire Tests of Building Construction and Materials, 2014 or UL 263–2014, Fire Tests of Building Construction Materials, 2014 or having a fire resistance rating of not less than a 1 hour when calculated in accordance with Chapter 16 of the National Design Specification for Wood Construction, 2015 edition.
 - a. *Fire resistance walls.* Fire-resistance-rated floor/ceiling and wall assemblies must extend to and be tight against the exterior wall, and wall assemblies must extend from the foundation to the underside of the roof sheathing except as follows:
 - (i) Wall assemblies need not extend through attic spaces where the ceiling is protected by not less than 5/8-inch Type X gypsum board and attic draftstop constructed according to 10(v)(5) of this letter; is provided above and along the wall assembly separating the dwelling units; and the structural framing supporting the ceiling the ceiling is protected by not less than 1/2 inch gypsum board or equivalent.
 - (ii) *Supporting construction.* Where floor assemblies are required to be fire resistant rated by this AC Letter, the supporting construction of such assemblies must have an equal or greater fire resistance rating.
 - (iii) *Dwelling unit rated penetrations.* Penetrations of wall or floor-ceiling assemblies in multi-dwelling unit manufactured homes are required to be fire-resistance rated in accordance with the following requirements:
 - (iv) *Through penetrations.* Through penetrations must be installed as tested in the approved fire-resistance rated assembly; or through penetrations must be protected by an approved penetration fire stop system installed as tested in accordance with ASTM E814–13 (Standard Test Method for Fire Tests of Penetration Firestop Systems, 2013) or UL 1479–2014 (Standard for Fire Tests of Penetration Firestops, Fourth Edition, May 16, 2014), with a positive pressure differential of not less than 0.01 inch of water and must have an F rating of not less than the required fire resistance rating of the wall or floor-ceiling assembly penetrated; or where the penetrating items are steel, ferrous or copper pipes, tubes, or conduits, the material used to fill the annular space must prevent the passage of flame and hot gasses sufficient to ignite cotton waste where subjected to ASTM E119–14 (Standard Test Methods for Fire Tests of Building Construction and Materials, 2014) or UL 263–2014 (Fire Tests of Building

Construction Materials, 2014) time temperature fire conditions under a positive pressure differential of not less than 0.01 inch of water at the location of the through penetration for the time period equivalent to the fire resistance rating of the construction penetrated.

- (v) *Membrane penetrations.* Membrane penetrations must comply with the requirements for Through Penetrations in this letter. Where walls are required to have a fire resistance rating, recessed fixtures must be installed so that the required fire resistance rating will not be reduced except as follows:
- (1) By membrane penetrations of fire-resistant-rated walls, ceiling/floors, and partitions by steel electrical boxes provided they do not exceed 16 square inches in area and the aggregate area of the openings through the membrane does not exceed 100 square inches in any 100 square feet of wall area. The annular space between the wall membrane and the box must not exceed 1/8 inch. Such boxes on opposite sides of the wall must be separated by one of the following:
 - (2) A horizontal distance of not less than 24 inches where the wall or partition is constructed with individual non-communicating stud cavities; or
 - (3) A horizontal distance of not less than the depth of the wall cavity, where the wall cavity is filled with cellulose loose-fill or other loose-fill insulation; or
 - a. Solid fire blocking in accordance with § 3280.206; or
 - b. Protecting both boxes with listed putty pads; or
 - c. Other listed materials and methods.
 - (4) By membrane penetrations of listed electrical boxes of any materials provided that the boxes have been tested for use in fire resistance rated assemblies and are installed in accordance with the instructions included with the listing. The annular space between the wall membrane and the box must not exceed 1/8 inch unless otherwise noted. Such boxes on opposite sides of the wall must be separated by one of the following:
 - a. The horizontal distance specified in the listing of the electrical boxes; or
 - b. Solid fire blocking in accordance with § 3280.206; or
 - c. Protecting boxes with listed putty pads; or
 - d. Other listed materials and methods.
 - e. By the annular space created by the penetration of a fire sprinkler provided that it is covered by a metal escutcheon plate.
 - (5) When there is usable space both above and below the concealed space of a floor/ceiling assembly in a multi-dwelling unit manufactured home, draftstops must be installed so that the area of the concealed space does not exceed 1000 square feet.

- a. Draftstopping must divide the concealed space into approximately equal areas.
 - b. Where the assembly is enclosed by a floor membrane above and a ceiling membrane below, draftstopping must be provided in the floor/ceiling assemblies:
 - c. When the ceiling is suspended under the floor framing; or
 - d. When the floor framing is constructed of truss type open-web or perforated members.
 - e. Draftstopping materials must not be less than 1/2 inch gypsum board, 3/8 inch wood structural panels, or other approved materials adequately supported.
 - f. Draftstopping must be installed parallel to the floor framing members.
 - g. The integrity of all draftstops must be maintained.
11. *Electrical Connections*: A single disconnecting means must be provided in each dwelling unit, consisting of a circuit breaker, or a switch and fuses and its accessories, installed in a readily accessible location near the point of entrance of the supply cord or conductors into the dwelling unit.
 - a. Branch-circuit distribution equipment must be installed in each dwelling unit and must include overcurrent protection for each branch circuit consisting of either circuit breakers or fuses.
 - b. A service distribution panel must be factory installed and connected to the subpanels on multi-dwelling unit manufactured homes.
 - c. For lighting, based on a 3 volt-amperes per square foot times outside dimensions of each dwelling unit (coupler excluded) divided by 120 volts times amperes to determine the number of 15 or 20 ampere lighting area circuits.
12. Manufacturers must notify the State Administrative Agency of the state to which multi-dwelling unit manufactured homes will be located (or offered for sale if the manufactured home sites are not known) of the use of this AC. For states that do not currently have an SAA, HUD serves as the administrative agency.
13. The manufacturer must ensure that quality control (QC) personnel complete a Quality Control Checklist (Exhibit B) before the manufactured home is shipped from the plant and must maintain the checklist with all other applicable QC forms.
14. The construction and installation aspects that are not covered by the Standards must be approved and inspected in the manner required by the local authority having jurisdiction (LAHJ).

15. A licensed contractor or similar qualified professional selected by the manufacturer must complete all construction necessary to complete each multi-dwelling unit manufactured home at its site and comply with the Standards and requirements set forth in this AC letter. The manufacturer must provide each contractor with the DAPIA-approved design and installation instructions required to complete all site work necessary to set the multi-dwelling unit manufactured home.
16. The manufacturer's IPIA, or a qualified and experienced independent inspector acceptable to the IPIA, including a local building code inspector and installation inspector, must inspect all site construction aspects covered by the Standards and identified in Exhibit C (Alternative Construction Inspection Report). A qualified inspector must be independent of the manufacturing and assembling process and not a representative or employee of the manufacturer. This inspector must verify that the manufactured home is completed according to the DAPIA-approved designs and ensure that the home has not been taken out of compliance with the Standards during the installation process and has only been aesthetically altered.
17. The manufacturer must ensure AC site inspections related to compliance with the Standards and requirements set forth in this AC letter are completed **prior to occupancy of each multi-dwelling unit manufactured home**. The manufacturer must also review and file the Alternative Construction Inspection Report (Exhibit C) at its manufacturing plant and corporate office, as applicable. Additionally, the manufacturer must provide copies of the Alternative Construction Inspection Report (Exhibit C) to the IPIA, SAA, homeowner, and retailer. All such files are subject to inspection by HUD or the applicable SAA.
18. The manufacturer must ensure all construction conforms to the Standards not specifically identified in this AC letter, or Site Completion of Construction (SC) approval, and is completed before shipping the manufactured home from the production plant.
19. The manufacturer must provide HUD with a Cumulative Production Status Report annually. Exhibit D provides the format for the Cumulative Production Status Report and identifies the necessary information to be submitted. The manufacturer must submit the Cumulative Production Status Report electronically to HUD at:
MHSreporting@HUD.gov

If the manufacturer cannot send the Cumulative Production Status Report electronically, please send the paper copy report to the following address:

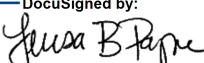
U.S. Department of Housing and Urban Development
Office of Manufactured Housing Programs
451 7th Street, SW, Room 9170
Washington, DC 20410-8000

HUD is forwarding a copy of this letter to all IPIAs and DAPIAs. After the manufacturer has provided notification to HUD, the IPIA(s) and DAPIA(s) may use this AC letter, which authorizes the IPIA to permit the use of this AC letter and authorizes the DAPIA to approve plans that reference this AC letter provided that the conditions set forth in the letter are met. HUD also is forwarding a copy of this letter to all State Administrative Agencies (SAA).

HUD's decision does not affect any rights that manufactured-home purchasers may have under the Act.

Please reference HUD File No. 24-IW4-AC in any correspondence about this specific AC letter. If you have any questions concerning this matter, please contact Mr. Jason McJury at (202) 402-2480 or by email at Jason.C.McJury@hud.gov.

Sincerely,

DocuSigned by:

B8616F00C4934B9...

Teresa B. Payne
Administrator
Office of Manufactured Housing Programs

Enclosures

cc: IBTS; ALL SAAs; ALL IPIAs; ALL DAPIAs

EXHIBIT A
24 IW4-AC ALL MANUFACTURED HOME MANUFACTURERS
MULTI-DWELLING UNIT MANUFACTURED HOME
NOTICE TO PURCHASER

The U.S. Department of Housing and Urban Development (HUD) has issued an Alternative Construction (AC) Letter No. 24-IW4-AC, available to all manufactured home manufacturers.

As constructed in the factory, this home may not meet certain aspects of the Federal Manufactured Home Construction and Safety Standards (Standards) and Manufactured Home Procedural and Enforcement Regulations (Regulations). Specifically, the regulations limit manufactured homes to a single living unit. This home is part of a multi-dwelling unit manufactured home and is built to the following requirements:

- Construction is limited a maximum of four dwelling units per manufactured home.
- Each dwelling unit of a manufactured home must have a minimum of 150 square feet of gross floor area.
- Each dwelling unit of a manufactured home must bear a data plate affixed in a permanent manner near the main electrical panel or other readily accessible and visible location.
- Each dwelling unit must have an individual water supply service.
- Each dwelling unit must have an individual gas supply service, (if used as fuel for cooking or heating).
- Each dwelling unit must have two egress doors.
- Each dwelling unit must have heating and cooling certificates, visible to the occupant, in each dwelling unit.
- Each dwelling unit must have a heating/cooling system serving only that unit with a control (e.g., thermostat).
- Sound transmission requirements. Sound transmission between multi-dwelling unit manufactured homes must comply with the following requirements applicable to common interior walls, partitions, and floor/ceiling assemblies between adjacent dwelling units.
 - *Air-borne sound.* Walls, partitions, and floor/ceiling assemblies between stories separating dwelling units from each other must have a sound transmission class (STC) of not less than 34 for air-borne noise when tested in accordance with ASTM E90–09 (Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements, 2009) or calculated. Penetrations or openings in construction assemblies for piping; electrical devices; recessed cabinets; bathtubs; soffits; or heating, ventilating, or exhaust ducts must be sealed, lined, insulated or otherwise treated to maintain the required ratings. This requirement does not apply to dwelling unit entrance doors; however, such doors must be tight fitting to the frame and sill.

- *Structure-borne sound.* Floor/ ceiling assemblies between stories separating dwelling units must have an impact insulation class (IIC) rating of not less than 34 when tested in accordance with ASTM E492–09 (Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine, 2009).
- *Fire Protection:* Each dwelling unit must be separated from each other by wall and floor assemblies having not less than a 1 hour fire resistance rating when tested in accordance with ASTM E119–14 (Standard Test Methods for Fire Tests of Building Construction and Materials, 2014) or UL 263–2014 (Fire Tests of Building Construction Materials, 2014) or having a fire resistance rating of not less than a 1 hour when calculated in accordance with Chapter 16 of the National Design Specification for Wood Construction, 2015 edition.
 - *Fire resistance walls.* Fire resistance- rated floor/ceiling and wall assemblies must extend to and be tight against the exterior wall, and wall assemblies must extend from the foundation to the underside of the roof sheathing except as follows:
 - Wall assemblies need not extend through attic spaces where the ceiling is protected by not less than 5/8 inch Type X gypsum board and attic draftstop is constructed as specified in this letter is provided above and along the wall assembly separating the dwelling units; and the structural framing supporting the ceiling the ceiling is protected by not less than 1/2 inch gypsum board or equivalent.
 - *Supporting construction.* Where floor assemblies are required to be fire resistant rated by this AC Letter, the supporting construction of such assemblies must have an equal or greater fire resistance rating.
 - *Dwelling unit rated penetrations.* Penetrations of wall or floor-ceiling assemblies in multi-dwelling unit manufactured homes are required to be fire-resistance rated in accordance with the following requirements:
 - *Through penetrations.* Through penetrations must be installed as tested in the approved fire-resistance rated assembly; or through penetrations must be protected by an approved penetration fire stop system installed as tested in accordance with ASTM E814–13 (Standard Test Method for Fire Tests of Penetration Firestop Systems, 2013) or UL 1479–2014 (Standard for Fire Tests of Penetration Firestops, Fourth Edition, May 16, 2014) with a positive pressure differential of not less than 0.01 inch of water and must have an *F* rating of not less than the required fire resistance rating of the wall or floor-ceiling assembly penetrated; or where the penetrating items are steel, ferrous or copper pipes, tubes, or conduits, the material used to fill the annular space must prevent the passage of flame and hot gasses sufficient to ignite cotton waste where subjected to ASTM E119–14 (Standard Test Methods for Fire Tests of Building Construction and Materials, 2014) or UL 263–2014 (Fire Tests of Building Construction Materials, 2014) time temperature fire conditions under a positive pressure differential of not less than 0.01 inch of water at the location of the through penetration for the time period equivalent to the fire resistance rating of the construction penetrated.
 - *Membrane penetrations.* Membrane penetrations must comply with the requirements for Through Penetrations in this letter. Where walls are required to

have a fire resistance rating, recessed fixtures must be installed so that the required fire resistance rating will not be reduced except as follows:

- By membrane penetrations of fire resistant-rated walls, ceiling/floors and partitions by steel electrical boxes provided they do not exceed 16 square inches in area and the aggregate area of the openings through the membrane does not exceed 100 square inches in any 100 square feet of wall area. The annular space between the wall membrane and the box must not exceed 1/8 inch. Such boxes on opposite sides of the wall must be separated by one of the following:
 - A horizontal distance of not less than 24 inches where the wall or partition is constructed with individual non-communicating stud cavities; or
 - A horizontal distance of not less than the depth of the wall cavity, where the wall cavity is filled with cellulose loose-fill or other loose-fill insulation; or
 - Solid fire blocking in accordance with § 3280.206; or
 - Protecting both boxes with listed putty pads; or
 - Other listed materials and methods.
 - By membrane penetrations of listed electrical boxes of any materials provided that the boxes have been tested for use in fire resistance rated assemblies and are installed in accordance with the instructions included with the listing. The annular space between the wall membrane and the box must not exceed 1/8 inch unless otherwise noted. Such boxes on opposite sides of the wall must be separated by one of the following:
 - The horizontal distance specified in the listing of the electrical boxes; or
 - Solid fire blocking in accordance with § 3280.206; or
 - Protecting boxes with listed putty pads; or
 - Other listed materials and methods.
 - By the annular space created by the penetration of a fire sprinkler provided that it is covered by a metal escutcheon plate.
- *Draftstopping:* When there is usable space both above and below the concealed space of a floor/ceiling assembly in a multi-dwelling unit manufactured home, draftstops must be installed so that the area of the concealed space does not exceed 1000 square feet.
 - Draftstopping must divide the concealed space into approximately equal areas.
 - Where the assembly is enclosed by a floor membrane above and a ceiling membrane below, draftstopping must be provided in the floor/ceiling assemblies:
 - When the ceiling is suspended under the floor framing; or
 - When the floor framing is constructed of truss type open-web or perforated members.
 - Draftstopping materials must not be less than 1/2 inch gypsum board, 3/8 inch wood structural panels, or other approved materials adequately supported.
 - Draftstopping must be installed parallel to the floor framing members.
 - The integrity of all draftstops must be maintained.

- *Electrical Connections:* A single disconnecting means must be provided in each dwelling unit, consisting of a circuit breaker, or a switch and fuses and its accessories, installed in a readily accessible location near the point of entrance of the supply cord or conductors into the dwelling unit.
 - Branch-circuit distribution equipment must be installed in each dwelling unit and must include overcurrent protection for each branch circuit consisting of either circuit breakers or fuses.
 - A service distribution panel must be factory installed and connected to the subpanels on multi-dwelling unit manufactured homes.
 - For lighting, based on a 3 volt-amperes per square foot times outside dimensions of each dwelling unit (coupler excluded) divided by 120 volts times amperes to determine the number of 15 or 20 ampere lighting area circuits.

A licensed contractor or a similarly qualified individual must perform all site work. In addition, all site work, except for aspects of construction under the LAHJ, must be inspected by the manufacturer's Production Inspection Primary Inspection Agency (IPIA) or an experienced and qualified independent inspector acceptable to the manufacturer's IPIA. The manufacturer must provide you with a copy of the Alternative Construction Inspection Report (Exhibit C).

HUD evaluated this alternative construction concept and concluded that it provides levels of quality, durability, and safety that are equivalent to those required by the Federal Standards. To comply with the approval letter issued to the manufacturer, the letters "AC" must appear in the home's serial number.

For further information about the specific Federal Standards involved, a copy of the letter issued by HUD to the manufacturer pursuant to 24 CFR 3282.14(c) is available from this retailer/dealer or the manufacturer upon request.

A copy of this Notice must be provided to the manufactured home Purchaser/Occupant and must be temporarily affixed in a location within the kitchen area of the manufactured home.

EXHIBIT B
24 IW4-AC ALL MANUFACTURED HOME MANUFACTURERS
MULTI-DWELLING UNIT MANUFACTURED HOME
ALTERNATIVE CONSTRUCTION QA/QC CHECKLIST (page 1 of 2)

Serial Number:	Model Number:
Date of Manufacture:	Production Facility:

The Manufacturer's Quality Control personnel will complete the following checklist for units built under this alternative construction (AC) letter before the multi-dwelling unit manufactured home is shipped to the site.

YES	NO	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	The letters "AC" are included in the manufactured home's serial number and in all locations the serial number occurs, including on the front cross member in accordance with the DAPIA-approved serial numbering system and on all required paperwork.
<input type="checkbox"/>	<input type="checkbox"/>	Each dwelling unit of the multi-dwelling home is posted with its own Data Plate.
<input type="checkbox"/>	<input type="checkbox"/>	A complete copy of this AC approval letter has been included with the installation instructions and shipped with house.
<input type="checkbox"/>	<input type="checkbox"/>	A Notice to Purchaser (Exhibit "A") that identifies the specific type of construction used has been included in the set-up manual documents and is posted in the home.
<input type="checkbox"/>	<input type="checkbox"/>	5/8" Type-X gypsum ceiling board installed continuously on the ceiling to cover full length and width of home. Material secured to ceiling framing and finished in accordance with DAPIA approved design.
<input type="checkbox"/>	<input type="checkbox"/>	1-hour fire separation construction between adjacent dwelling units is in place in accordance with DAPIA approved design.
<input type="checkbox"/>	<input type="checkbox"/>	Fire resistance floor/ceiling and wall assemblies extend to and are tight against the exterior wall and to the 5/8" thick Type-X gypsum ceiling material.
<input type="checkbox"/>	<input type="checkbox"/>	Draft stopping measures are in place within the attic spaces in accordance with DAPIA-approved design.
<input type="checkbox"/>	<input type="checkbox"/>	Any through penetrations or membrane penetrations which occur in fire rated separation construction is spaced and/or sealed in accordance with DAPIA-approved design.
<input type="checkbox"/>	<input type="checkbox"/>	Sound transmission measures are in place for interior walls, partitions, and floor/ceiling assemblies between adjacent dwelling units in accordance with DAPIA-approved design as applicable.
<input type="checkbox"/>	<input type="checkbox"/>	Electrical boxes and other materials used in rated fire assemblies comply with DAPIA-approved design specifications.
<input type="checkbox"/>	<input type="checkbox"/>	Each dwelling unit is supplied by individual service connections, including but not limited to water, sewer, and gas (as applicable).
<input type="checkbox"/>	<input type="checkbox"/>	Each dwelling unit of a multi-dwelling home that is equipped with a kitchen sink and bathtub and/or shower is provided with a hot water supply system including a listed water heater.
<input type="checkbox"/>	<input type="checkbox"/>	Each dwelling unit of a multi-dwelling home is provided with a single electrical disconnecting means consisting of a circuit breaker in a readily accessible location near the point of entry of supply conductors into the dwelling unit.

EXHIBIT B
24 IW4-AC ALL MANUFACTURED HOME MANUFACTURERS
MULTI-DWELLING UNIT MANUFACTURED HOME
ALTERNATIVE CONSTRUCTION QA/QC CHECKLIST (page 2 of 2)

YES	NO	Requirements
<input type="checkbox"/>	<input type="checkbox"/>	Dwelling subpanels are connected to a factory installed service distribution panel.
<input type="checkbox"/>	<input type="checkbox"/>	Each dwelling unit has two egress doors.
<input type="checkbox"/>	<input type="checkbox"/>	Each dwelling unit has a heating/cooling system that serves only that unit.
<input type="checkbox"/>	<input type="checkbox"/>	Each dwelling unit has heating/cooling certificates posted in a visible place.
<input type="checkbox"/>	<input type="checkbox"/>	The manufacturer provided DAPIA-approved plans and the applicable DAPIA-approved supplemental instructions required to complete all site work including fastening and engineered connectors that are specific to this home are provided with home. All information that supplements the typical installation manual must be with the DAPIA-approved installation manual for the manufacturer.
<input type="checkbox"/>	<input type="checkbox"/>	A blank Alternative Construction Inspector Report form (Exhibit C) has been provided with all documents that are shipped with the home.

EXHIBIT C
24 IW4-AC ALL MANUFACTURED HOME MANUFACTURERS
MULTI-DWELLING UNIT MANUFACTURED HOME
ALTERNATIVE CONSTRUCTION INSPECTION REPORT
SITE INSPECTION CHECKLIST (page 1 of 2)

Manufactured Home Information

Owner Information

Date of Production: _____

Name: _____

Serial Number: _____

Street Address: _____

Model Number: _____

City, State, Zip: _____

The site construction was inspected by the undersigned representative of the manufacturer's Production Inspection Primary Inspection Agency (IPIA) or by a qualified independent inspector acceptable to the manufacturer's IPIA. The purpose of this inspection and report is to ensure the manufactured home is completed in compliance with the manufacturer's DAPIA-approved designs and other responsibilities pursuant to the approved AC letter. The "YES" and "NO" check boxes indicate whether the site work is in compliance with the Federal Manufactured Homes Construction and Safety Standards and DAPIA-approved designs.

YES	NO	Requirement
<input type="checkbox"/>	<input type="checkbox"/>	1. Each dwelling unit is supplied by individual service connections, including but not limited to water, sewer, and gas (as applicable).
<input type="checkbox"/>	<input type="checkbox"/>	2. Fire resistive assemblies are constructed in accordance with the DAPIA-approved designs and extend to the foundation.
<input type="checkbox"/>	<input type="checkbox"/>	3. Draft stopping measures are constructed in accordance with the DAPIA-approved designs.
<input type="checkbox"/>	<input type="checkbox"/>	4. Dwelling subpanels are connected to a factory-installed service distribution panel.

Deviations:

Corrective Actions:

EXHIBIT C
24 IW4-AC ALL MANUFACTURED HOME MANUFACTURERS
MULTI-DWELLING UNIT MANUFACTURED HOME
ALTERNATIVE CONSTRUCTION INSPECTION REPORT
SITE INSPECTION CHECKLIST (page 2 of 2)

I have verified the completion of construction covered by the standards and this inspection checklist in accordance with the manufacturer's designs and installation instructions for this multi-dwelling unit manufactured home and find the above-stated site work to be in compliance with the AC letter requirements pursuant to 24 CFR §3282.14(c) of the Federal Manufactured Home Procedural and Enforcement Regulations.

The manufacturer is responsible for ensuring the completion of inspections by others and for distribution of this completed inspection report to all parties indicated below immediately upon receipt of the completed report.

Inspector's Signature and Information:

Name of Inspector: _____ Date: _____

Signature of Inspector: _____ Company/Affiliation: _____

*COPY TO MANUFACTURED HOME FILE, OWNER, RETAILER, IPIA, DAPIA, SAA

