

Manufactured Homes

Article 21-B Introductory Course



Joel Harper
CEO



Property of MHC Consultants LLC.

No part of our materials may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system without the express written permission of MHC Consultants LLC.

Information contained herein was accurate at the time of presentation, but may change without notice.

Nothing contained in this presentation should be construed as legal advice. Consult with an attorney prior to making any business decision.



MHC Consultants LLC

Course Information

This course has been developed by the Department of State for training credit as follows:

3 hours, Manufactured Housing

Course number: mfg000XXXX
Course provider: MHC Consultants LLC
Course location:

5

MHC Consultants LLC

Course Attendance Issues - Webex

The Division of Building Standards and Codes requires course attendees meet the required milestones for online courses:

Completion of polling questions, completion of exam following training, if necessary and maintaining a minimum 65% *attention-to-duration ratio*.

- Webex tracks multi-tasking by attendees by recording the amount of time Webex is the active application on attendees computers. (YES, even those with multiple monitors)

6

Course Attendance Issues

The Division of Building Standards and Codes will not give course attendees credit for a course without the meeting the required milestones:

Arriving more than 15 minutes after training start time,
leaving before the training end time,
missing more than 15 minutes of training time(out of room, ie:phone call),
or failing to successfully complete a required quiz, if applicable.

Course Attendance Issues

The Division of Building Standards and Codes will not give course attendees credit for a course without meeting the required milestones:

Polls: You have been sent an invitation to the email you used to register from: joel@consultwithmhc.com

You must complete the poll questions, or you will not be sent a certificate.

Course Development

Utilized Installation Instruction Manual for



www.titanhomesny.com



Thank you to: Ed Ostrander, General Manager; Mike Perri, Service Manager;
Champion Home Builders, Titan Homes Division - Sangerfield, NY

Course Development



www.blevinsinc.com

Thank you to: Fred Smith and Tiffany Lawrence for providing manuals, tech specs and demonstration equipment

Course Development



www.skylinehomes.com

Thank you to: John Jacon for providing images and technical assistance

Course Development

Utilized Installation Instruction Manual for



Department of State
Building Standards & Codes

Thank you to: Christopher Therrian for providing images and technical assistance

Course Development



William Sherman
Administrator – Manufactured Housing
Division of Building Standards and Codes



Special thank you to: William Sherman for his invaluable assistance in the creation of this program, and for asking me a question one time at a meeting.

**THIS COURSE IS CONTENT
HEAVY!**

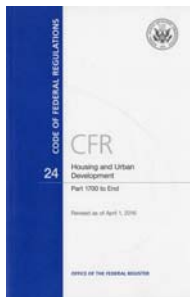
- Manufactured Home
 - Mobile Home
 - Factory Manufactured Home
 - Park Model Home
 - Trailer
- It's only a name, right?



What is a *Manufactured Home*?

- A structure designed as a dwelling
 - Transportable in one or more sections
 - 8 feet wide (or more) or
 - 40 feet long (or more) in the traveling mode
 - 320 square feet or larger
 - Built on a permanent chassis
 - With or without a permanent foundation
 - Pre-installed plumbing, heating, hvac
 - Built after June 15, 1976
- And...

Bearing a seal signifying conformance to the design and construction requirements of the Department of Housing and Urban Development, Manufactured Home Construction and Safety Standards, 24 CFR Part 3280 (HUD Code)





“A manufactured home is not a motorhome or trailer, and although it is often called a “mobile home,” it is not that either.”

What is a Mobile Home?

- A structure designed as a dwelling
- Transportable in one or more sections
- Built on a permanent chassis
- With or without a permanent foundation
- Pre-installed plumbing, heating, hvac
- Built before June 15, 1976

And...

May or may not contain a label certifying compliance with NFPA, ANSI or a specific state standard.

For the purpose of these provisions, a mobile home shall be considered a manufactured home.





What is a Factory Manufactured Home?

- AKA: Modular Home
- A structure designed as a dwelling
- Transportable in sections
- Intended for permanent foundation
- Constructed in a manufacturing facility
- Frame on modular

And...

- Bearing a NYS Insignia of Approval signifying conformance to design and construction requirements of the NYS Uniform Fire Prevention and Building Code

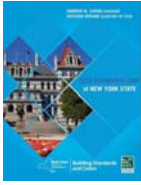


Image courtesy of Skyline Champion



What is a Park Model Home?

- A structure designed as a temporary dwelling
Seasonal Use
 - Transportable by LD truck
 - Built on a single chassis
 - 400 Sq. Ft. or less
- And...

What is a Park Model Home?

- A structure designed as a temporary dwelling Seasonal Use
- Transportable by LD truck
- Built on a single chassis
- 400 Sq. Ft. or less

And...

May or may not contain a label certifying compliance with ANSI A119.5 "Recreational Vehicle" standard.















Federal Legislation - MH Improvement Act 2000

Signed by President William Clinton 12/27/2000
Amended Manufactured Housing Construction and Safety
Standards Act 1974

Appoint Manufactured Housing Consensus Committee
(MHCC)

- Equivalent of NYS Codes Council

Amended Manufactured Housing Construction and Safety
Standards Act 1974

- Appoint MHCC

Modernized Construction Requirements

- Including creation of a model MH installation standard

Amended Manufactured Housing Construction and Safety Standards Act 1974

- Appoint MHCC
- Modernized Construction Requirements

Creating new mandates including

- MH Installation Program
- Dispute Resolution Program

Installation program shall include

- An installation standard
- Training and licensing of installers
- Inspection program of homes

Installation program shall include

Dispute program shall include

- Avenue to resolve disputes between Man/Ret/Inst
- Correction or repair of defects in MH
- Timeframe to file compliant (1yr from Installation)
- Notification to consumer

Installation program shall include

Dispute program shall include

- Avenue to resolve disputes between Man/Ret/Inst
- Correction or repair of defects in MH
- Timeframe to file complaint (1yr from Installation)
- Notification to consumer

Each state must adopt legislation establishing respective program by December 27, 2005

State Legislation – NY Manufactured Housing Advancement Act 2005

Signed by Governor George Pataki 10/11/2005
Implement provisions of Federal MHIA 2000

**Article 21-B of Executive Law of NY
“Manufactured Homes”**

Article 21-B of Executive Law of NY

Established requirements for:

- Certifications
- Warranty Seals & Quarterly Reporting
- Dispute Resolution
- Training & Continuing Education
- NYS DOS Responsibilities

§602 Certification

On and after July 1, 2006, no person or business entity shall...
Manufacture, Sell, Install or Service unless

§602 Certification

On and after July 1, 2006, no person or business entity shall...
Manufacture, Sell, Install or Service unless

- The person or business is certified **and**

§602 Certification

On and after July 1, 2006, no person or business entity shall...
Manufacture, Sell, Install or Service unless

- The person or business is certified **and**
- At least 1 certified person is on-site

Certification Types

Manufacturer: Any person or business entity engaged in manufacturing or producing manufactured homes

Manufacturer

Installer: Any person or business entity, including, but not limited to, a retailer or mechanic, who installs or sets up a manufactured home for a buyer

Manufacturer

Installer

Retailer: Any person or business entity engaged in the Retail selling or offering for sale, brokering or distribution of manufactured homes

Manufacturer
Installer
Retailer

Mechanic: Any person or business entity engaged in the business of performing **service** on manufactured housing

Service: The modification, alteration or repair of the structural systems of a manufactured home

§604 Powers of the Department

Establish program Rules & Regulations

- 19 NYCRR Part 1210

Issue/Deny Certifications

Receive complaints, conduct investigations

Maintain an On-line Registry

- List certified parties
- Record of violations & fines

State Administrative Agency

§609 State Administrative Agency Requirements

Carry out the state plan and enforce the National Manufactured Housing Construction and Safety Standards Act

Manufacturers and Retailers subject to Federal requirements

Authorized to enter at reasonable times... Any factory, warehouse, establishment where manufactured housing is stored/held for sale

MHC Consultants LLC

As a condition of receiving and retaining any certification...the certified party agrees to submit to the jurisdiction copies of record, reports or certifications in connection with any disputes or resolution of disputes.

To accept service of any notice, complaint, or other paper provided by the Dept. of State

To be bound by any consent order, decision, or final decision and order made by the Dept. of State

MHC Consultants LLC

Legislation S. 7381/A. 7422 includes several technical changes to better align New York State law relating to civil penalties associated with manufactured housing with federal law. It replaces the word "fine" with "civil penalty," replaces the word "licenses" with "certifications," and it replaces the word "article" with "title." It also replaces the language surrounding civil penalties with "the maximum civil penalty" established by the Code of Federal Regulations. In doing so, this legislation helps to correct a misalignment between state and federal language to help ensure that manufactured homes are produced, installed and serviced safely.

MHC Consultants LLC

Definition: Installation

- Affixation of a manufactured home to a foundation or supports at a building site

Definition: Installation

- Affixation of a manufactured home to a foundation or supports at a building site
- Assembly and fastening of structural components...including the completed roof system; and

Definition: Installation

- Affixation of a manufactured home to a foundation or supports at a building site
- Assembly and fastening of structural components...including the completed roof system; and
- The connection to electric, oil water, gas, sewage and any necessary systems for the use of the manufactured home for dwelling purposes.

Promulgated Regulation: 19 New York Codes Rules and Regulations Part 1210 "Manufactured Homes Regulations"

Implements the provisions of Article 21-B

Applies to... Manufacturers, Retailers, Installers & Mechanics

*Factory manufactured homes

A4112-2013 (3/25/2014) Recommitted: Assembly Government Operations
S3223-2013 (3/25/2014) Amended & Recommitted: Senate Housing, Construction & Community Development

Established rules and regulations for

- Training & Continuing Education
- Certification & the standards for
- Application Fees
- Resolution of disputes
- And More...

Application Fees

Entity	Initial	Renewal
Manufacturer	\$200	\$200
Retailer	\$200	\$200
Installer	\$200	\$200
Mechanic	\$100	\$100
Limited	\$25	\$25
Owner Occupant	\$25	N/A

Corporations, LLC's, LP's

- These business entities applying for certification must employ...
 - (1) at least one certified person
 - That employee must apply for limited certification & meet the experience and education requirements
- Provide appropriate Financial Security
- Fee: \$200 + \$25 for each employee

Individuals/DBA's

- Individuals applying for certification must...
 - Meet the experience and education requirements
 - Provide appropriate Financial Security
 - Fee \$200, + \$25 for each additional employee

Multiple Categories

Such as:

- Manufacturer & Retailer
- Retailer & Installer

A limited certification must be assigned to each category

Installer with a Limited Mechanic

Multiple Locations (manufacturers/retailers)

Operating more than one plant or sales location

- Such as Skyline Champion Corporation
 - 36 manufacturing facilities throughout US
 - 9 currently certified for NY
 - Skyline Homes, Champion Homes, Redman Homes, Titan Homes, Atlantic Homes and others
- or CMH Homes, Inc. (fka: G&I Homes)
 - 6 retail sales centers in NY

- Each location shall be certified
- A limited certification must be assigned to each site.
- One representative can be assigned to more than one site.

Owner Occupant Certification

- Complete 21-b and Installer Course
- Identify the home and location
- Valid until completion or 1yr, whichever is earlier
 - not renewable
- Owner/occupant or co-owner/co-occupant
- Not authorized to act as Mechanic
- Not authorized to complete another installation

Qualifications

- **Manufacturer**
 - HUD Approval
 - Provide Financial Security
 - Completion this course

• **Retailer**

- Provide Financial Security
- 1 yr. full time employment in MH industry or substantially similar
- High school graduate or equivalent
- Completion this course

• **Installer**

- Provide Financial Security
- 2 yrs. full time employment installing MH or substantially similar
- Substantial involvement in 20 MH installations
- High school graduate or equivalent
- Completion this course & 13 additional hrs
 - Not more than 6 months prior to application
- Examination

• **Mechanic**

- Provide Financial Security
- 1 yr. full time employment servicing MH or substantially similar
- High school graduate or equivalent
- Completion this course & 3 additional hrs
 - Not more than 6 months prior to application
- Examination

Limited Certification

- Individuals applying for limited certification must...
- Meet the experience and education requirements
- Have appropriate Financial Security provided by EMPLOYER
- Fee \$25 for each employee

Limited Certification

- Individuals applying for limited certification must...
- Meet th
- Have ap
- EMPLOY
- Fee \$25

Individual Limited Certification as ...	Employer Certified as ...
Manufacturer	Manufacturer
Retailer	Retailer
Installer	Installer
Mechanic	Installer or Mechanic

Financial Security

"A person or business entity certified...

must maintain an acceptable deposit account, letter of credit or surety bond in full force and effect...

MHC Consultants LLC

"must maintain an acceptable _____ in full force and effect..."

1. *At all times while certification is in effect;*

MHC Consultants LLC

"must maintain an acceptable _____ in full force and effect..."

1. *At all times while certification is in effect;*
2. *At all times while certification is suspended; and*

MHC Consultants LLC

"must maintain an acceptable _____ in full force and effect..."

1. *At all times while certification is in effect;*
2. *At all times while certification is suspended; and*
3. *At all times following the expiration or revocation of certification until the expiration of timeframe under which a homeowner can file a complaint...*

MHC Consultants LLC

"must maintain an acceptable _____ in full force and effect...

If a complaint has been filed, until such time as the complaint is resolved.

1. 21-b order satisfied;
2. 21-b judgement satisfied;
3. Appeal timeframe has expired.

MHC Consultants LLC

Surety Bond, Deposit Account Control Agreement or Letter of Credit

in amount of:

- \$50,000 – Manufacturer
- \$25,000 – Retailer
- \$10,000 – Installer
- \$5,000 – Mechanic

MHC Consultants LLC

Duration

Certification valid 2 years

- Renewal
 - Continuing Education 3hrs prior
 - Complete Application process

Manufacturer's Reporting

- Quarterly or monthly
- DOS form
- Home information
- Retailer shipped to
- Authorized Signature
 - Name & Address

Manufacturer's Warranty Seals

Guarantee from the Manufacturer

- Approved by HUD
- Construction per HUD codes
- Certified by DOS

- Permanently attached
 - Largest closet in the largest bedroom



Manufacturer Responsibilities

CFR 3282 Procedural and Enforcement Regulations

- Remedial Actions to Consumer Complaints
 - Must INVESTIGATE within 30 days
 - Is it a MANUFACTURING PROBLEM and does it require action
- In addition, RESEARCH factory records
 - Is there a "CLASS" of homes
 - If so, PLAN of notification and correction

Retailer Responsibilities

- The structure must be suitable for the climate zones of the project site.
- Retailers cannot alter a home in any manner that would disqualify it as complying with the HUD code. This is through installation or when it is given over for delivery.

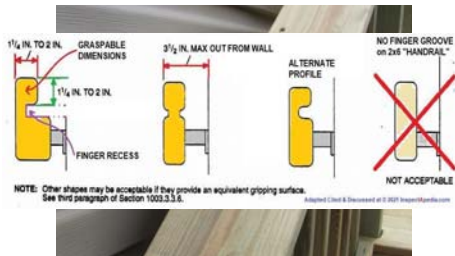
- The structure must be suitable for the climate zones of the project site
- Retailers cannot alter a home in any manner that would disqualify it as complying with the HUD code. This is through installation or when it is given over for delivery.



- The structure must be installed in the appropriate zones of the project site.
- Retailers cannot install a railing that would disqualify it as a compliant railing. This is through installation or workmanship.



HUD Retailer Responsibilities



- Manufacturers Warranty Seal
- To notify the manufacturer of any defects or non-compliances
- Retailer must notify the manufacturer of any consumer complaint on any non-complying defect.
- Provide and complete information cards

PLEASE DETACH AND RETURN
WARRANTY REGISTRATION

OWNER/PURCHASER
STREET ADDRESS _____
CITY _____ STATE _____ ZIP _____ PHONE _____

RETAILER/SELLER
STREET ADDRESS _____ DATE SOLD _____
CITY _____ STATE _____ ZIP _____ PHONE _____

LOCATION OF HOME
STREET ADDRESS _____
CITY _____ STATE _____ ZIP _____ PHONE _____

DATE OF MFG. _____ SERIAL NO. _____

DESIGN WIND ZONE	DESIGN ROOF LOAD	THERMAL ZONE
WIND ZONE I 15 PSF	SOUTH-20 PSF	ZONE I
WIND ZONE II 10 PSF	MIDDLE-20 PSF	ZONE II
WIND ZONE III 15 PSF	NORTH-40 PSF	ZONE III
OTHER _____	MPA _____	

TO BE COMPLETED AFTER FIRST SALE
TO BE COMPLETED AFTER SECOND SALE
TO BE COMPLETED AFTER THIRD SALE

REGISTRATION INFORMATION

REGISTRATION INFORMATION

REGISTRATION INFORMATION

Dispute Resolution Notice

- Federal Requirement
- Obtain Consumer Acknowledgement
- Maintain copy for Retailer records

Information February 2016

RETAILER EMPLOYER RESPONSIBILITY NOTIFICATION

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE INFORMATION CONTAINED HEREIN IS ACCURATE AND COMPLETE AS OF THE DATE OF PUBLICATION.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A MANUFACTURER IS DEFINED AS ANY ENTITY THAT MANUFACTURES OR ASSEMBLES A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A RETAILER IS DEFINED AS ANY ENTITY THAT SELLERS OR LEASES A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, AN EMPLOYER IS DEFINED AS ANY ENTITY THAT EMPLOYS A RETAILER OR MANUFACTURER THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A DISPUTE IS DEFINED AS ANY DISPUTE BETWEEN A RETAILER OR MANUFACTURER AND A CONSUMER REGARDING A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A CONSUMER IS DEFINED AS ANY INDIVIDUAL WHO PURCHASES OR LEASES A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A PRODUCT IS DEFINED AS ANY PHYSICAL OR DIGITAL PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A SERVICE IS DEFINED AS ANY SERVICE THAT IS PROVIDED BY A RETAILER OR MANUFACTURER TO A CONSUMER.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A TRANSACTION IS DEFINED AS ANY TRANSACTION BETWEEN A RETAILER OR MANUFACTURER AND A CONSUMER.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A SALE IS DEFINED AS ANY SALE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A LEASE IS DEFINED AS ANY LEASE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A PURCHASE IS DEFINED AS ANY PURCHASE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A TRANSACTION IS DEFINED AS ANY TRANSACTION BETWEEN A RETAILER OR MANUFACTURER AND A CONSUMER.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A SALE IS DEFINED AS ANY SALE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A LEASE IS DEFINED AS ANY LEASE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A PURCHASE IS DEFINED AS ANY PURCHASE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

HUD Retailer Responsibilities

Installation Disclosure Notice

- Federal Requirement
- Obtain Consumer Acknowledgement
- Maintain copy for Retailer records

Information September 2022

CONSUMER INSTALLATION DISCLOSURE - UPDATED

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A MANUFACTURER IS DEFINED AS ANY ENTITY THAT MANUFACTURES OR ASSEMBLES A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A RETAILER IS DEFINED AS ANY ENTITY THAT SELLERS OR LEASES A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, AN EMPLOYER IS DEFINED AS ANY ENTITY THAT EMPLOYS A RETAILER OR MANUFACTURER THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A DISPUTE IS DEFINED AS ANY DISPUTE BETWEEN A RETAILER OR MANUFACTURER AND A CONSUMER REGARDING A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A CONSUMER IS DEFINED AS ANY INDIVIDUAL WHO PURCHASES OR LEASES A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A PRODUCT IS DEFINED AS ANY PHYSICAL OR DIGITAL PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A SERVICE IS DEFINED AS ANY SERVICE THAT IS PROVIDED BY A RETAILER OR MANUFACTURER TO A CONSUMER.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A TRANSACTION IS DEFINED AS ANY TRANSACTION BETWEEN A RETAILER OR MANUFACTURER AND A CONSUMER.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A SALE IS DEFINED AS ANY SALE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A LEASE IS DEFINED AS ANY LEASE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

FOR THE PURPOSES OF THE DISPUTE RESOLUTION PROGRAM, A PURCHASE IS DEFINED AS ANY PURCHASE OF A PRODUCT THAT IS SUBJECT TO THE DISPUTE RESOLUTION PROGRAM.

HUD Retailer Responsibilities

Installation Disclosure Notice

- Federal Requirement

homes (new or pre-owned) are required to be installed in compliance with all New York State installation requirements. All manufactured homes constructed prior to July 12, 2021, are required to have carbon monoxide alarms installed in accordance with the Uniform Code in effect at the time of its construction; homes constructed on or after this date shall have carbon monoxide alarms in accordance with the HUD Code. Building permits from the local jurisdiction are



HUD Retailer Responsibilities

Installation Disclosure Notice

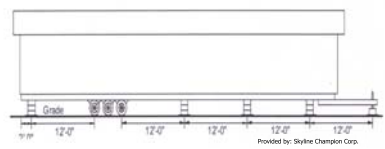
- Federal Requirement

inspected by the local Code Enforcement Official. Any "Alternative Tie-Down and/or Foundation Systems" that deviate from the manufacturer's installation manual must be designed by a NYS Design Professional (pre-owned and new homes) and approved by the manufacturer and Design Approval Primary Inspection Agency (DAPIA) (new homes only). All manufactured homes must be



Display of homes

- Provide temporary blocking per manufacturer's instructions



Retailer Responsibilities

- Provide temporary blocking



Retailer Responsibilities

- Provide temporary blocking

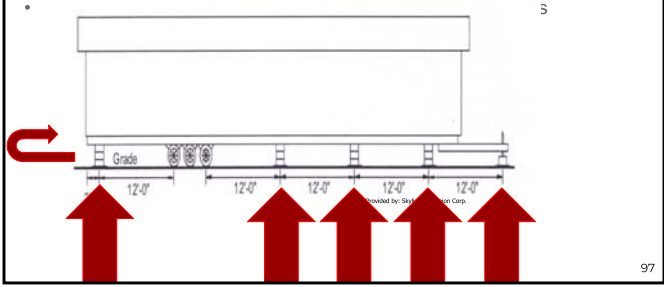


Retailer Responsibilities

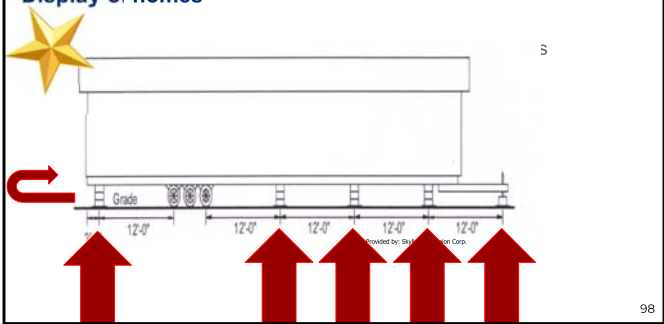
- Provide temporary blocking per manufacturer's instructions



Display of homes



Display of homes



Preemption

No state or local authority may establish any standard regarding construction or safety which is not identical to...



Preemption



No state or local authority may establish any standard regarding construction or safety which is not identical to...

New homes are 'CERTIFIED' to comply with provisions of ...

Manuf. certifies to LAHJ, retailer and purchaser

Retailer & Installer certify to LAHJ and purchaser

Five horizontal lines for writing.

Preemption



No state or local authority may establish any standard regarding construction or safety which is not identical to...

New homes are 'CERTIFIED' to comply with provisions of ...

Manuf. certifies to LAHJ, retailer and purchaser

Retailer & Installer certify to LAHJ and purchaser

A home not in compliance with the Standards is not preempt

Five horizontal lines for writing.

Preemption Exercise

The LAHJ requires:

Arc fault protection provided in the home

Five horizontal lines for writing.

Preemption Exercise

The LAHJ requires:

Arc fault protection provided in the home.

§3280.801(b) The use of arc-fault breakers...is not required

Preemption Exercise

The LAHJ requires:

Arc fault protection provided in the home.

Shipped loose assembled drain lines insulated

Preemption Exercise

The LAHJ requires:

Arc fault protection provided in the home.

Shipped loose assembled drain lines insulated.

Preemption Exercise

The LAHJ requires:

~~Are fault protection provided in the home~~

~~Shipped loose assembled drain lines insulated~~

50psf roof snow load

Preemption Exercise

The LAHJ requires:

~~Are fault protection provided in the home~~

~~Shipped loose assembled drain lines insulated~~

~~50psf roof snow load~~

Preemption Exercise

The LAHJ requires:

~~Are fault protection provided in the home~~

~~Shipped loose assembled drain lines insulated~~

~~50psf roof snow load~~

#6 copper wire to bond chassis of a multi-section home

Preemption Exercise

The LAHJ requires:

- ~~Are fault protection provided in the home~~
- ~~Shipped loose assembled drain lines insulated~~
- ~~50psf roof snow load~~
- ~~#6 copper wire to bond chassis of a multi section home~~

Preemption Exercise

The LAHJ requires:

- ~~Are fault protection provided in the home~~
- ~~Shipped loose assembled drain lines insulated~~
- ~~50psf roof snow load~~
- ~~#6 copper wire to bond chassis of a multi section home~~
- Carbon monoxide alarm in the home

Preemption Exercise

The LAHJ requires:

- ~~Are fault protection provided in the home~~
- ~~Shipped loose assembled drain lines insulated~~
- ~~50psf roof snow load~~
- ~~#6 copper wire to bond chassis of a multi section home~~
- Carbon monoxide alarm in the home

What year was the home built?

Carbon Monoxide Alarms



- R315 Carbon monoxide alarms shall be provided in accordance with §915 of the Fire Code of NYS
- New and existing **residential buildings** that contain a **fuel-burning appliance**.
 - **Residential building:** "A building that is a one-family dwelling, a two-family dwelling, or a building containing only townhouses."
 - **Fuel-burning appliance:** "Any appliance, equipment, device, machine, or system that may emit carbon monoxide." Examples include, but are not limited to: fireplaces, wood stoves, fuel-fired furnaces, space heaters(pilot or open flames), kerosene heaters, stoves/ovens/ranges, gas appliances(dryers, refrigerators, etc.), gas-powered engines(generators, pumps, pressure washers, power tools, automobiles)

Carbon Monoxide Alarms

- Primary power: permanent building wiring, and with battery back-up
 - Constructed prior to 1/1/2008 can be battery, cord, plug in
- Interconnection of multiple devices
- Combination carbon monoxide/smoke alarm shall be acceptable
 - When installed in conformance with the Uniform Code requirements for BOTH carbon monoxide alarms and smoke alarms
- Maintained operational or replaced

Carbon Monoxide Alarms

- Located in accordance with this F915.3
- "...Avoid dead air spaces, turbulent air spaces, fresh air returns, open windows, HVAC ducts, closed doors, and other such obstructions that could prevent carbon monoxide from reaching the detector..."
- In any specific room containing a fuel-burning appliance (F915.3.1)
 - Living room with a fireplace
 - Kitchen with a LP/NG stoves/ovens/ranges
 - Bedroom with a kerosene heater...

Carbon Monoxide Alarms

- Outside of sleeping areas and within 10 feet of the entrance to the **sleeping areas** (F915.3.1.3)
 - Unless otherwise required inside the sleeping area by another section
- Homes with attached garages: within 10 feet of the entrance to the **sleeping areas** (F915.3.3)
 - **Sleeping area:** "A room or space that can be used, either on an occasional or permanent basis, for sleeping. Sleeping area include, but are not limited to, bedrooms, finished rooms in basements, family rooms, recreation rooms or other similar area in residential buildings..."

Carbon Monoxide Alarms

- **Outside of and within 10'** of a sleeping area—(F915.3) "A room or space that can be used, either on an occasional or permanent basis for sleeping. Sleeping area include, but are not limited to, bedrooms...family rooms..."



HUD Code Changes

- Changes to 24 CFR 3280, 3282, and 3285 go into effect on March 17, 2025.
- The following are some highlights of those changes, and do not include all changes to the Code.

HUD Code Changes continued

- **Up to four unit manufactured homes:** Changes to regulatory language allow single family manufactured homes to offer up to four dwelling units while ensuring comprehensive fire safety to occupants by adding benchmarks and guidelines that meet Manufactured Housing Construction and Safety standards.
- **Open floor plans, truss designs, and specifications for attics:** The updated requirements for exterior door separation and structural design enable open floorplans that maintain fire safety, clarify unclear provisions, and enable optimization of truss design. In addition, the final rule includes more clarity regarding structural design requirements for attics.
- **Ridge roof designs:** Revised definitions and regulatory language allow certain specified roof ridge designs (peak cap and peak flip roof assemblies) without a requirement for specific on-site inspections by a HUD-approved agency, except for certain exclusions. This type of roof installation is common through the industry and uses technology that is time-tested. This update is beneficial for manufacturers and consumers by incorporating more recent design practices into the regulations and eliminating unnecessary inspections and associated costs.
- **Materials that facilitate modern design approaches and improve quality:** Updates to reference standards for materials (wood, steel, piping) and products align with other building standards, allow the use of more modern design approaches and installation of alternative materials, and improve the quality and safety of homes for consumers.
- **Accessibility improvements:** Modifications to standards for accessible showers comply with national disability standards for roll in showers. This eliminates the need for HUD alternative construction approval and reduce cost and burdens for manufacturers and consumers.
- **Modern and energy-saving appliances:** Updated and newly added standards allow for the use of more modern and energy efficient appliances, including gas-fired tankless water heaters, eliminating the need for HUD alternative construction approvals for use of such appliances.
- **Additional process efficiencies that save time and reduce costs:** Improved language stipulating prerequisites for the process of obtaining installation licenses increase flexibility for installers; updates to water system piping testing procedures decrease on-site testing time; and utilization of appliance QR codes for manuals and information will reduce paperwork and bookkeeping.

HUD Code Changes continued

- **Up to four unit manufactured homes:** Changes to regulatory language allow single family manufactured homes to offer up to four dwelling units while ensuring comprehensive fire safety to occupants by adding benchmarks and guidelines that meet Manufactured Housing Construction and Safety standards.
- **Open floor plans, truss designs, and specifications for attics:** The updated requirements for exterior door separation and structural design enable open floorplans that maintain fire safety, clarify unclear provisions, and enable optimization of truss design. In addition, the final rule includes more clarity regarding structural design requirements for attics.
- **Ridge roof designs:** Revised definitions and regulatory language allow certain specified roof ridge designs (peak cap and peak flip roof assemblies) without a requirement for specific on-site inspections by a HUD-approved agency, except for certain exclusions. This type of roof installation is common through the industry and uses technology that is time-tested. This update is beneficial for manufacturers and consumers by incorporating more recent design practices into the regulations and eliminating unnecessary inspections and associated costs.
- **Materials that facilitate modern design approaches and improve quality:** Updates to reference standards for materials (wood, steel, piping) and products align with other building standards, allow the use of more modern design approaches and installation of alternative materials, and improve the quality and safety of homes for consumers.
- **Accessibility improvements:** Modifications to standards for accessible showers comply with national disability standards for roll in showers. This eliminates the need for HUD alternative construction approval and reduce cost and burdens for manufacturers and consumers.
- **Modern and energy-saving appliances:** Updated and newly added standards allow for the use of more modern and energy efficient appliances, including gas-fired tankless water heaters, eliminating the need for HUD alternative construction approvals for use of such appliances.
- **Additional process efficiencies that save time and reduce costs:** Improved language stipulating prerequisites for the process of obtaining installation licenses increase flexibility for installers; updates to water system piping testing procedures decrease on-site testing time; and utilization of appliance QR codes for manuals and information will reduce paperwork and bookkeeping.

HUD Code Changes continued

- **Up to four unit manufactured homes:** Changes to regulatory language allow single family manufactured homes to offer up to four dwelling units while ensuring comprehensive fire safety to occupants by adding benchmarks and guidelines that meet Manufactured Housing Construction and Safety standards.
- **Open floor plans, truss designs, and specifications for attics:** The updated requirements for exterior door separation and structural design enable open floorplans that maintain fire safety, clarify unclear provisions, and enable optimization of truss design. In addition, the final rule includes more clarity regarding structural design requirements for attics.
- **Ridge roof designs:** Revised definitions and regulatory language allow certain specified roof ridge designs (peak cap and peak flip roof assemblies) without a requirement for specific on-site inspections by a HUD-approved agency, except for certain exclusions. This type of roof installation is common through the industry and uses technology that is time-tested. This update is beneficial for manufacturers and consumers by incorporating more recent design practices into the regulations and eliminating unnecessary inspections and associated costs.
- **Materials that facilitate modern design approaches and improve quality:** Updates to reference standards for materials (wood, steel, piping) and products align with other building standards, allow the use of more modern design approaches and installation of alternative materials, and improve the quality and safety of homes for consumers.
- **Accessibility improvements:** Modifications to standards for accessible showers comply with national disability standards for roll in showers. This eliminates the need for HUD alternative construction approval and reduce cost and burdens for manufacturers and consumers.
- **Modern and energy-saving appliances:** Updated and newly added standards allow for the use of more modern and energy efficient appliances, including gas-fired tankless water heaters, eliminating the need for HUD alternative construction approvals for use of such appliances.
- **Additional process efficiencies that save time and reduce costs:** Improved language stipulating prerequisites for the process of obtaining installation licenses increase flexibility for installers; updates to water system piping testing procedures decrease on-site testing time; and utilization of appliance QR codes for manuals and information will reduce paperwork and bookkeeping.

HUD Code Changes continued

- **Up to four unit manufactured homes:** Changes to regulatory language allow single family manufactured homes to offer up to four dwelling units while ensuring comprehensive fire safety to occupants by adding benchmarks and guidelines that meet Manufactured Housing Construction and Safety standards.
- **Open floor plans, truss designs, and specifications for attics:** The updated requirements for exterior door separation and structural design enable open floorplans that maintain fire safety, clarify unclear provisions, and enable optimization of truss design. In addition, the final rule includes more clarity regarding structural design requirements for attics.
- **Ridge roof designs:** Revised definitions and regulatory language allow certain specified roof ridge designs (peak cap and peak flip roof assemblies) without a requirement for specific on-site inspections by a HUD-approved agency, except for certain exclusions. This type of roof installation is common through the industry and uses technology that is time-tested. This update is beneficial for manufacturers and consumers by incorporating more recent design practices into the regulations and eliminating unnecessary inspections and associated costs.
- **Materials that facilitate modern design approaches and improve quality:** Updates to reference standards for materials (wood, steel, piping) and products align with other building standards, allow the use of more modern design approaches and installation of alternative materials, and improve the quality and safety of homes for consumers.
- **Accessibility improvements:** Modifications to standards for accessible showers comply with national disability standards for roll in showers. This eliminates the need for HUD alternative construction approval and reduce cost and burdens for manufacturers and consumers.
- **Modern and energy-saving appliances:** Updated and newly added standards allow for the use of more modern and energy efficient appliances, including gas-fired tankless water heaters, eliminating the need for HUD alternative construction approvals for use of such appliances.
- **Additional process efficiencies that save time and reduce costs:** Improved language stipulating prerequisites for the process of obtaining installation licenses increase flexibility for installers; updates to water system piping testing procedures decrease on-site testing time; and **utilization of appliance QR codes** for manuals and information will reduce paperwork and bookkeeping.

Installer Responsibilities

- **Foundation inspected & approved by LAHJ**
 - 1210.16(e)(2) “include, without limitation, a warranty that the foundation or supports...were inspected and approved by the governmental agency...responsible for enforcing the uniform code in the jurisdiction in which the manufactured home was installed...”

- **Installation meets UFPBC**
 - AE401 “...installation instructions provided by the manufacturer.”
 - Including connections to utilities

• Installation meets UFPBC

- AE401 "...installation instructions provided by the manufacturer."
- Including connections to utilities

• Alternative Construction Inspections – notify Manuf.

• Installation meets UFPBC

- AE401 "...installation instructions provided by the manufacturer."
- Including connections to utilities

• Alternative Construction Inspections – notify Manuf.

- Covering the work of others (subcontractors)
 - Oversight
 - Documentation

Installer Important Do NOTs

- Do not place a warranty seal if you cannot warrant the work of others.
- Do not place a warranty seal if you cannot do the work correctly. Find someone who can!
- The Installer of Record cannot select or omit any part of the work required to make the home suitable for use as a dwelling.

- Do not place a warranty seal if the installation

IS NOT COMPLETE

ie: deck, stairs, handrails, etc.

“You just bought the noncompliance”

**Installer’s Warranty Seals
Guarantee from the Installer**

- Installed per code
- Installer Certified by DOS
- Foundation approved



Also req. for “Owner-occupant”

- Permanently attached
 - Largest closet in the largest bedroom



Installer's Warranty Seals
No CO shall be issued !!!

- After January 1, 2006
- UNLESS:
 - Manufacturer's seal is attached

AND



Installer's Warranty Seals
No CO shall be issued !!!

- After January 1, 2006

- UNLESS:
 - Manufacturer's seal is attached

1210.16(g) No authority having jurisdiction shall issue a CofO for any MH unless... "the installer's warranty seal...has been attached to such manufactured home;"

AND



The government entity shall NOT RELY on the Installer's Seal

Independent inspection of the installation must be made



C Consultants LLC

The government Seal
Independent inspection



The Installer's
be made



133

C Consultants LLC

The government Seal
Independent inspection



The Installer's




134

MHC Consultants LLC

If it happens at the site the LAHJ has the right to inspect

Including:

- work outside of HUD Code
- not authorized by manufacturer
- non DAPIA repairs



135



- If an owner contracts work themselves, they are still required to hire a certified *entity* to oversee the work and affix a warranty seal.

Application for Warranty Seal

<https://dos.ny.gov/code/manufactured-homes>

Warranty Seal Fees

	Purchase price from DOS	Maximum Allowed Attachment Fee
Manufacturer's Seal	\$125	\$150
Installer Seal**	1 – 5: \$35 6 or more: \$25	\$50

** Not for sale to "Limited Certificate" installer, and only one for "Owner-occupant" installer

Installer's Quarterly Reporting

- Quarterly
- General Stuff
 - Authorized signature
 - Name and address
 - Reporting period
- Home details
 - Warranty Seal No.
 - Owner
 - Certification that installation meets UFPBC

Installer's Quarterly Reporting

- Quarterly
- General Stuff
 - Authorized signature
 - Name and address
 - Reporting period
- Home details
 - Warranty Seal No.
 - Owner
 - Certification that installation meets UFPBC

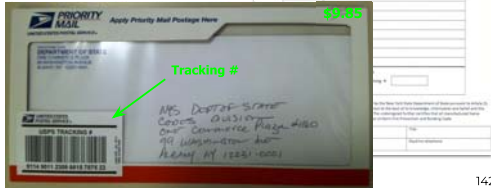
Installer's Quarterly Reporting

- Quarterly
- General Stuff
 - Authorized signature
 - Name and address
 - Reporting period
- Home details
 - Warranty Seal No.
 - Owner
 - Certification that installation meets UFPBC

No Homes Installed this Quarter
 If you have not installed any manufactured homes for the reporting period mark an **X** in the box and mark **NONE** in installed units section then mail this report.
 If you have **added or business information changed?** If so, call the Dept. of State at (314) 874-4073 or mark an **X** in the box and enter new information above.
 If so, mark an **X** in the box if you are discontinuing your business operations, and this is your final report, which your **Certification and award warranty needs to be report.**

MHC Consultants LLC

- Postmarked by date indicated
- USPS
 - Priority Mail



142

MHC Consultants LLC

- Postmarked by date indicated
- USPS
 - Priority Mail
 - Certified Mail



143

MHC Consultants LLC

Enforcement Actions

- Failure to file Quarterly Report
 - Violation Article 21-B
 - Plea Agreement Settlement Letter
 - Fine amount \$100
 - Returned by indicated date – case closed
 - Failure or request for hearing then*
 - Referred to Office of Administrative Hearings
 - Fine Increased!!!
 - OAH moves ahead this hearing process



144

**Regulation: 19 NYCRR Part 1210
Warranties and Article 35 of General Business Law**

§1210.16 (d)(3) "The warranties set forth in this subdivision shall be in addition to, and not in limitation of or substitution for, the warranty provided for in Article 35 of the General Business Law and any and all warranties, express or implied, given or made by the manufacturer, whether contractually or by operation of law. "

All new homes shall be covered by a warranty

- Protection from substantial defects in materials and workmanship
- Defect identified within One Year from Date of Delivery
- Consumer must give notice within 1 year and 10 days from DoD
- Manufacturer and Retailer to take appropriate corrective action within sixty days

Resolution of Disputes

§1210.18 (a) "Any homeowner, retailer, manufacturer, installer, mechanic, or lending entity may file a complaint with the Department of State seeking resolution of an allegation that a substantial defect exists in the delivered condition, installation, service or construction of a manufactured home."



Substantial defect shall mean “a defect or a number of defects or other conditions in the delivered condition, installation, service, or construction of a manufactured home which collectively can reasonably be expected to cost five hundred dollars or more to cure.”

Dispute Resolution Complaint Filing Timeframe

§1210.18(b) “A complaint relating to the delivered condition, installation, service or construction of a manufactured home shall be filed with the Department of State **within 1 year & 10 days after the date of service, installation, issuance of a certificate of occupancy, or the expiration of a warranty, whichever is later.**”

- **Installation: May 15, 2022**

Installation: May 15, 2023

- May 25, 2024

- Installation: May 15, 2023
- **Date of CO: July 29, 2023**

- May 25, 2024

- Installation: May 15, 2023
- **Date of CO: July 29, 2023**

- May 25, 2024
- **August 8, 2024**

MHC Consultants LLC

- Installation: May 15, 2023
- Date of CO: July 29, 2023
- **Warranty Expiration: August 1, 2024**
 - May 25, 2024
 - August 8, 2024

MHC Consultants LLC

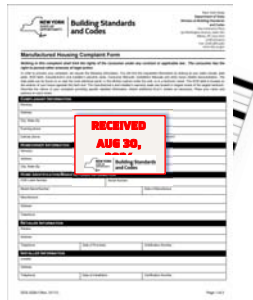
- Installation: May 15, 2023
- Date of CO: July 29, 2023
- **Warranty Expiration: August 1, 2024**
 - May 25, 2024
 - August 8, 2024
 - **August 11, 2025**

“...whichever is later.”

MHC Consultants LLC

- Installation: May 15, 2023
- Date of CO: July 29, 2023
- **Warranty Expiration: August 1, 2024**
 - May 25, 2024
 - August 8, 2024
 - **August 11, 2025**

“...whichever is later.”



Dispute Resolution Process

Department of State Review

- Complaint valid or not
- Notification to parties involved
- Parties have 30 days to respond to DOS notification (1210.18(e))

Informal Resolution

- The Codes Div. shall be permitted, but not required, to attempt to resolve any complaint informally
- Process may be commenced at any time after complaint filed

Informal Resolution

- If Codes Div. elects out or attempts are unsuccessful, referred to Office of Administrative Hearings



Formal Resolution in front of a Law Judge



- Complainant v. Respondent

Formal Resolution in front of a Law Judge



- Complainant v. Respondent
- Order compensation
- Apportion liability between multiple parties, where appropriate.

Formal Resolution in front of a Law Judge



- Complainant v. Respondent
- Order compensation
- Apportion liability between multiple parties, where appropriate.
- ***Compensation shall not be limited to financial security amounts***

Appeal to the Secretary of State, Walter T. Mosley



Judicial Review

- Article 78 of Civil Practice Law and Rules
- New York Supreme Court
- Review agency actions
- Make determination



 Enforcement Actions

Civil Penalties

- Violations of Executive Law 21-B

or

- Violations of 24 CFR (As of March 25, 2024)
 - Up to \$3,558 per single violation
 - Up to \$4,446,755 for a series of related violations



OMB has set the increase amount for 2025 at a rate of 1.02598, which would mean a new fine amount of \$3,650. This amount has not been published in the Federal Register, so it is not official.

 **Additional Enforcement Actions**

- Sale of units to Uncert'd Retailer

- Business during Lapse of Cert

- Business while not Certified period
 - “Nothing...shall excuse any person or business entity required to be certified from the obligation of obtaining such certification.”

- Violations found during Retail Lot Audit
 - Temporary Storage
 - Dispute Notices
 - Purchaser Cards
 - Delivery Inspections
 - Notifications to Manufacturer of complaints or non conformance

- Violations found during Dispute Resolution
- Additional action will be brought by DOS against the responsible party for any non-compliance concerning Manufacture, Sale, Installation or Service, not related to original complaint.

Suspension and Revocation of Certifications

- Substantial violation of Article 21-B or this Part
- Material misstatement in any application
- Fraud or fraudulent practices
- Dishonest or misleading advertising
- Untrustworthiness or incompetency
- Failed to comply with Article 21-B order
- Ceased to satisfy the financial responsibility
- Manufacturer ceased to be approved by HUD
- Failed to complete continuing education requirements

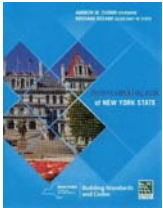




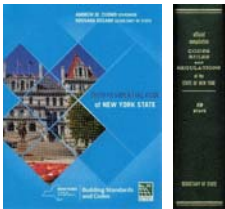
Promulgated Regulation: 19 New York Codes Rules and Regulations Part 1220 “Residential Construction”

2020 Residential Code of New York State
– effective May 12, 2020





2020 Residential Code of NYS is incorporated by reference into 19 NYCRR Part 1220 as being parts of the Uniform Code.



2020 Residential Code of NYS is incorporated by reference into 19 NYCRR Part 1220 as being parts of the Uniform Code.
19 NYCRR Part 1220 is the residential provisions of the “Code”



Also any code changes/corrections will be in 19 NYCRR Part 1220

2020 Residential Code of NYS is incorporated by reference into 19 NYCRR Part 1220 as being parts of the Uniform Code. 19 NYCRR Part 1220 is the residential provisions of the "Code"



Residential Code
[NY] Appendix E "Manufactured housing used as dwellings"

[NY] AE101.1 General. These provisions shall be applicable only to a *manufactured home* used as a single *dwelling unit* and shall apply to the following:

- 1. Construction, alteration and repair of any foundation system which is necessary to provide for the installation of a manufactured home unit.

MHC Consultants LLC

1. Construction, alteration and repair of any foundation system which is necessary to provide for the installation of a manufactured home unit.
1. Construction, installation, addition, alteration, repair or maintenance of the building service equipment which is necessary for connecting manufactured homes to water, fuel, or power supplies and sewage systems

MHC Consultants LLC

1. ...foundation system...
2. ...building service equipment...
1. Alterations, additions or repairs to existing manufactured homes. The construction, alteration, moving, demolition repair and use of accessory buildings and structures and their building service equipment shall comply with the requirements of this code.

MHC Consultants LLC

These provisions shall not be applicable to the design and construction of *manufactured homes* and shall not be deemed to authorize modifications or *additions to manufactured homes* where otherwise prohibited. The design and construction criteria of *manufactured homes* shall be in accordance with those defined in the "Manufactured Home Construction and Safety Standards" (24 CFR 3280).



[NY] AE101.2 Flood hazard areas

New and replacement manufactured homes to be installed in flood hazard areas as established by Table R301.2(1) shall meet the applicable requirements of Section R322.

TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

WIND DESIGN CATEGORY	Special wind region	Windborne debris zone	WIND DESIGN CATEGORY	MANUAL J DESIGN CRITERIA*			ICE BARRIER UNDESLAYMENT REQUIREMENT	FLOOD HAZARDOUS	AIR FREEZING INDEX	MEAN ANNUAL TEMP.
				Weathering	Frost line depth	Turbulence				
Elevation	Latitude	Water heating	Summer cooling	Attic/correction factor	Indoor design temperature	Design temperature cooling	Heating temperature difference			
Cooling temperature difference	Wind velocity heating	Wind velocity cooling	Ceiling/wet bulb	Daily range	Winter boundary	Summer boundary				

- Footnote 1: 1 psf per sq ft up to 0.0475 S_w, 1 psf per sq ft up to 0.0475 S_w.
- Footnote 2: Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code, the first line depth, strength required for weathering shall govern. The weathering criteria shall be listed as follows: "unlightweight", "normalweight" or "heavyweight" for concrete as determined from Figure R301.2(1). The grade of masonry shall be determined from ASTM C49, C82, C79, C78, C126, C139, C214 or C492.
- Footnote 3: When the first line depth requires design freeze height indicated in Figure R301.2(1), the first line depth strength required for weathering shall govern. The penetration shall be the first line depth unless it is the minimum depth of footing below finish grade.
- Footnote 4: The penetration shall be in the part of the table with the wind speed from the basic wind speed map (Figure R301.2(1)). Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.
- Footnote 5: The outdoor design 85-bulb temperature shall be selected from the columns of 87° (percent values for winter from Appendix D of the Plumbing Code of New York State. Deviations from the Appendix D temperature shall be permitted to reflect local climate or local weather exposure as determined by the building official. (Also see Figure R301.2(1)).
- Footnote 6: (1) To establish flood hazard areas, risk assessment required under Title 21, Part 121 of the Official Compilation of Codes, Rules and Regulations of the State of New York (NYCRR) shall apply. Flood hazard map and supporting data. The flood hazard map shall include, at a minimum, special flood hazard areas as identified by the Federal Emergency Management Agency in the Flood Insurance Study for the community, as amended or revised table:
 - 1. The accompanying Flood Insurance Rate Map (FIRM).
 - 2. Flood Boundary and Floodway Map (FBFM), and
 - 3. Related supporting data along with any revisions thereto.The selected flood hazard areas and supporting data shall be made subject to reference and declared to be part of the system.
- Footnote 7: In accordance with Section R301.2.2, R301.2.3, R301.2.4, R301.2.5, R301.2.6, R301.2.7, R301.2.8, R301.2.9, R301.2.10, R301.2.11, R301.2.12, R301.2.13, R301.2.14, R301.2.15, R301.2.16, R301.2.17, R301.2.18, R301.2.19, R301.2.20, R301.2.21, R301.2.22, R301.2.23, R301.2.24, R301.2.25, R301.2.26, R301.2.27, R301.2.28, R301.2.29, R301.2.30, R301.2.31, R301.2.32, R301.2.33, R301.2.34, R301.2.35, R301.2.36, R301.2.37, R301.2.38, R301.2.39, R301.2.40, R301.2.41, R301.2.42, R301.2.43, R301.2.44, R301.2.45, R301.2.46, R301.2.47, R301.2.48, R301.2.49, R301.2.50, R301.2.51, R301.2.52, R301.2.53, R301.2.54, R301.2.55, R301.2.56, R301.2.57, R301.2.58, R301.2.59, R301.2.60, R301.2.61, R301.2.62, R301.2.63, R301.2.64, R301.2.65, R301.2.66, R301.2.67, R301.2.68, R301.2.69, R301.2.70, R301.2.71, R301.2.72, R301.2.73, R301.2.74, R301.2.75, R301.2.76, R301.2.77, R301.2.78, R301.2.79, R301.2.80, R301.2.81, R301.2.82, R301.2.83, R301.2.84, R301.2.85, R301.2.86, R301.2.87, R301.2.88, R301.2.89, R301.2.90, R301.2.91, R301.2.92, R301.2.93, R301.2.94, R301.2.95, R301.2.96, R301.2.97, R301.2.98, R301.2.99, R301.2.100.
- Footnote 8: The penetration shall be in the part of the table with the 100-year return period air freezing index (AFI-100) from Figure R301.2(1) or from the 100-year (100 percent) value on the National Climate Data Center data table "Air Freezing Index (AFI) (Mean 1971-2000)".
- Footnote 9: The penetration shall be in the part of the table with the 100-year return period air freezing index (AFI-100) from Figure R301.2(1) or from the 100-year (100 percent) value on the National Climate Data Center data table "Air Freezing Index (AFI) (Mean 1971-2000)".

TABLE R301.2(1) CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

WIND DESIGN CATEGORY	Special wind region	Windborne debris zone	WIND DESIGN CATEGORY	MANUAL J DESIGN CRITERIA*			ICE BARRIER UNDESLAYMENT REQUIREMENT	FLOOD HAZARDOUS	AIR FREEZING INDEX	MEAN ANNUAL TEMP.
				Weathering	Frost line depth	Turbulence				
Elevation	Latitude	Water heating	Summer cooling	Attic/correction factor	Indoor design temperature	Design temperature cooling	Heating temperature difference			
Cooling temperature difference	Wind velocity heating	Wind velocity cooling	Ceiling/wet bulb	Daily range	Winter boundary	Summer boundary				

- Footnote 1: 1 psf per sq ft up to 0.0475 S_w, 1 psf per sq ft up to 0.0475 S_w.
- Footnote 2: Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code, the first line depth, strength required for weathering shall govern. The weathering criteria shall be listed as follows: "unlightweight", "normalweight" or "heavyweight" for concrete as determined from Figure R301.2(1). The grade of masonry shall be determined from ASTM C49, C82, C79, C78, C126, C139, C214 or C492.
- Footnote 3: When the first line depth requires design freeze height indicated in Figure R301.2(1), the first line depth strength required for weathering shall govern. The penetration shall be the first line depth unless it is the minimum depth of footing below finish grade.
- Footnote 4: The penetration shall be in the part of the table with the wind speed from the basic wind speed map (Figure R301.2(1)). Wind exposure category shall be determined on a site-specific basis in accordance with Section R301.2.1.4.
- Footnote 5: The outdoor design 85-bulb temperature shall be selected from the columns of 87° (percent values for winter from Appendix D of the Plumbing Code of New York State. Deviations from the Appendix D temperature shall be permitted to reflect local climate or local weather exposure as determined by the building official. (Also see Figure R301.2(1)).
- Footnote 6: (1) To establish flood hazard areas, risk assessment required under Title 21, Part 121 of the Official Compilation of Codes, Rules and Regulations of the State of New York (NYCRR) shall apply. Flood hazard map and supporting data. The flood hazard map shall include, at a minimum, special flood hazard areas as identified by the Federal Emergency Management Agency in the Flood Insurance Study for the community, as amended or revised table:
 - 1. The accompanying Flood Insurance Rate Map (FIRM).
 - 2. Flood Boundary and Floodway Map (FBFM), and
 - 3. Related supporting data along with any revisions thereto.The selected flood hazard areas and supporting data shall be made subject to reference and declared to be part of the system.
- Footnote 7: In accordance with Section R301.2.2, R301.2.3, R301.2.4, R301.2.5, R301.2.6, R301.2.7, R301.2.8, R301.2.9, R301.2.10, R301.2.11, R301.2.12, R301.2.13, R301.2.14, R301.2.15, R301.2.16, R301.2.17, R301.2.18, R301.2.19, R301.2.20, R301.2.21, R301.2.22, R301.2.23, R301.2.24, R301.2.25, R301.2.26, R301.2.27, R301.2.28, R301.2.29, R301.2.30, R301.2.31, R301.2.32, R301.2.33, R301.2.34, R301.2.35, R301.2.36, R301.2.37, R301.2.38, R301.2.39, R301.2.40, R301.2.41, R301.2.42, R301.2.43, R301.2.44, R301.2.45, R301.2.46, R301.2.47, R301.2.48, R301.2.49, R301.2.50, R301.2.51, R301.2.52, R301.2.53, R301.2.54, R301.2.55, R301.2.56, R301.2.57, R301.2.58, R301.2.59, R301.2.60, R301.2.61, R301.2.62, R301.2.63, R301.2.64, R301.2.65, R301.2.66, R301.2.67, R301.2.68, R301.2.69, R301.2.70, R301.2.71, R301.2.72, R301.2.73, R301.2.74, R301.2.75, R301.2.76, R301.2.77, R301.2.78, R301.2.79, R301.2.80, R301.2.81, R301.2.82, R301.2.83, R301.2.84, R301.2.85, R301.2.86, R301.2.87, R301.2.88, R301.2.89, R301.2.90, R301.2.91, R301.2.92, R301.2.93, R301.2.94, R301.2.95, R301.2.96, R301.2.97, R301.2.98, R301.2.99, R301.2.100.
- Footnote 8: The penetration shall be in the part of the table with the 100-year return period air freezing index (AFI-100) from Figure R301.2(1) or from the 100-year (100 percent) value on the National Climate Data Center data table "Air Freezing Index (AFI) (Mean 1971-2000)".
- Footnote 9: The penetration shall be in the part of the table with the 100-year return period air freezing index (AFI-100) from Figure R301.2(1) or from the 100-year (100 percent) value on the National Climate Data Center data table "Air Freezing Index (AFI) (Mean 1971-2000)".

**TABLE R301.2(1)
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA**

GROUND LEVEL LEADUP	WIND DESIGN		SEASON		SUBJECT TO DAMAGE FROM		ICE BARRIER REQUIREMENT	FLOOD HAZARD	FIRE FREQUENT INDEX	MEAN ANNUAL TEMP
	Special wind region	Windborne debris area	Weather Category	First time design	Transfer	Transfer				

GENERAL DESIGN CRITERIA

	Latitude	Water heating	Summer cooling	Altitude correction factor	Indoor design temperature	Design temperature cooling	Heating temperature difference

For 10, 1 pound per square foot = 0.479 kPa, 1 mile per hour = 0.447 m/s.

a. Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code, the first time design strength required for weathering shall govern. The weathering criteria shall be based on the weathering index, "moderate," "severe" or "very severe" for concrete as determined from Figure R301.2(1). The grade of masonry used shall be determined from Figure R301.2(1).

b. Where the first time design strength design strength from Figure R301.2(1), the first time design strength required for weathering shall govern. The provisions shall be based on the first time design strength with the minimum depth of footing as required by this code.

c. The provisions shall be based on the part of the table with the wind speed from the basic wind speed map [Figure R301.2(1)]. Wind exposure category shall be determined as a site-specific basis in accordance with Section R301.2.1.4.

d. The outdoor design air-conditioning temperature shall be selected from the outdoor air-conditioning temperature values for major time periods of the Building Code of New York State. Deviations from the Appendix D temperature shall be permitted to reflect local climate or local weather equipment as determined by the building official [also see Figure R301.2(1)].

e. The provisions shall be based on the part of the table with the design temperature from Figure R301.2.1.4.

f. [2019] For buildings that have been previously constructed under Title 24, Part 2201 of the Official Code of Rules and Regulations of the State of New York (NYSRCR), shall adopt a flood hazard map and reporting date. The flood hazard map shall include, at a minimum, special flood hazard areas as identified by the Federal Emergency Management Agency in the Flood Insurance Study for the community, as amended or revised as follows:

- The most recent Flood Insurance Study (FIS);
- The most recent Flood Insurance Study (FIS);
- Flood Boundary and Floodway Map (FBFM); and
- Related supporting data along with any revisions thereto.

The adopted flood hazard map and supporting data as listed above shall be subject to reference and deemed to be part of this section.

g. The provisions shall be based on the part of the table with the 100-year return period wind speed (30-sec) from Figure R301.2(1) or from the 100-year (100 percent) value on the National Climate Data Center data table, "60 Second Wind Speeds at 10-Meter (33-Foot) Height." (2019)



R322.1.9 Manufactured Homes

- The bottom of the frame of new and replacement... shall be elevated to or above the elevation specified in R322.2 or R322.3
- As built certification is required



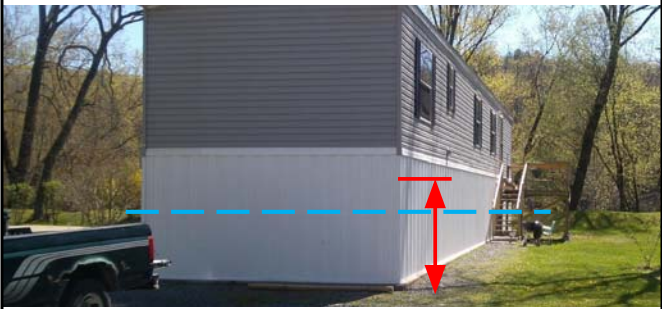


R322.1.9 Manufactured Homes

- The bottom of the frame of new and replacement... shall be elevated to or above the elevation specified in R322.2 or R322.3
- As built certification is required

HUD places the burden on the Installer to determine whether a home site is wholly or partly in a flood hazard area and to obtain additional designs, if needed.









[NY] AE102.2 Additions

Additions shall conform to one of the following:

1. Certified under HUD Construction and Safety Standards Act
2. Designed and constructed to conform with HUD Construction...
3. Designed and constructed to conform with new construction requirements this code (RCNY)

Building additions and accessory structures shall not be structurally supported by the manufactured home.

Exception. Building additions and accessory structures supported by a MH shall be in accordance with designs provided by the home manufacturer or with designs prepared by a design professional in accordance with acceptable engineering practice.



[NY] AE102.3 Alterations and repairs

Alterations and Repairs allowed without requiring compliance with all the requirements of the Uniform Code

- Must conform to requirements of Appendix J
- Create no hazard to life, health or safety by such addition, alteration or repair

Alterations and Repairs nonstructural in nature, not affecting structural members or fire protection maybe made with materials similar to original home construction

Exception Installation and/or replacement of glass shall be in conformance with the *fenestration* rating requirements for new installations

- Fenestration: windows, fixed or operable, doors, glass block, skylights

(b) Table N1102.1.2 (R402.1.2) of the 2020 RCNY shall be:

(NY) TABLE N1102.1.2 (R402.1.2)
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT¹

CLIMATE ZONE	FENESTRATION U-FACTOR ²	SHYUSH ³ U-FACTOR	GLAZED FENESTRATION SHGC ⁴	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE	FLOOR R-VALUE
1	0.32	0.55	0.40	20	20 or 13+ ⁵	8/13	19
2	0.30	0.55	NR	20	20 or 13+ ⁵	13/13	30 ⁶
3 Option 1	0.30	0.55	NR	20	20+ ⁵ or 13+10 ⁵	15/20	30 ⁶
3 Option 2	0.28	0.55	NR	60	23 cavity	19/21	30 ⁶



NR = Not Required.
¹ For 5/2 in. EOT = 304.8 mm.
² U-factors are maximum.
³ SHYUSH and SHGC are maximum. Where insulation is installed in a cavity that is less than the label or design thickness of the insulation, the installed R-value of the insulation shall be not less than the R-value specified in the table.



[NY] AE103 Permits and Inspections

All New for the 2020 Residential Code of New York State



[NY] AE103 Permits and Inspections

Permit shall be obtained to install, alter, remodel, repair or add accessory buildings or structures to a manufactured home...



[NY] AE103 Permits and Inspections

Permit shall be obtained to install, alter, remodel, repair or add accessory buildings or structures to a manufactured home...

Application for permit shall include the identity of the person or entity certified pursuant to Part 1210



[NY] AE103 Permits and Inspections

Permit shall be obtained to install, alter, remodel, repair or add accessory buildings or structures to a manufactured home...

Application for permit shall include the identity of the person or entity certified pursuant to Part 1210

Work shall be inspected – including, but not limited to the foundation, support, anchorage, connection of multi-sectional homes, and building service equipment.



[NY] AE102.7 Relocations

Relocated manufactured homes "SHALL have a manufacturers label certifying compliance with applicable HUD Manufactured Home Construction and Safety Standards, and a data plate, affixed in the manufacturing facility..."



A statement "This manufactured home is designed to comply with the federal mobile home construction and safety standards in force at the time of manufacture."

Reference to structural zone and wind zone.

Data relative to the heating, insulation zone, and outdoor design temperature.



Relocation -Exception

Mobile homes manufactured BEFORE June 15, 1976, need not comply with these provisions if they have been inspected by an agency or individual acceptable to the building official to determine that they are:

- Structurally sound
- Free of heating and electrical system hazards

Written documentation signed by the agency or individual performing the inspection shall be submitted to the building official



[NY] AE201 Definitions

To partner with the definition in Article 21-b

- Manufactured Home Installation (and Setting). Construction that is required for the installation of a manufactured home, including the construction of the foundation system, required structural connections thereto and the installation of on-site water, gas, electrical and sewer systems and connections thereto that are necessary for the normal operation of the manufactured home.



[NY] AE201 Definitions

To partner with the definition in Article 21-b

- Manufactured Home Installation (and Setting). Construction that is required for the installation of a manufactured home, including the construction of the foundation system, required structural connections thereto and the installation of on-site water, gas, electrical and sewer systems and connections thereto that are necessary for the normal operation of the manufactured home.

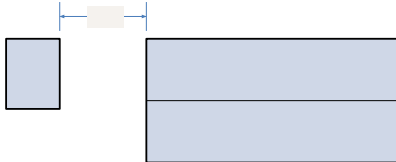
Article 21-b: Installation means "the affixation of a manufactured home to a foundation or supports at a building site; the assembly and fastening of structural components of ..."

I'm not installing it, I'm only moving, blocking and leveling...



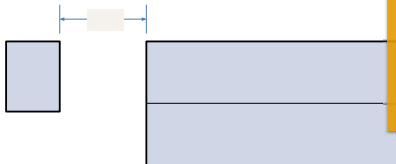
[NY] AE302.1 Location on property

MH and accessory buildings shall be located in accordance with R302.1 or any other law or regulation regarding separation distances (local laws/zoning ordinances)



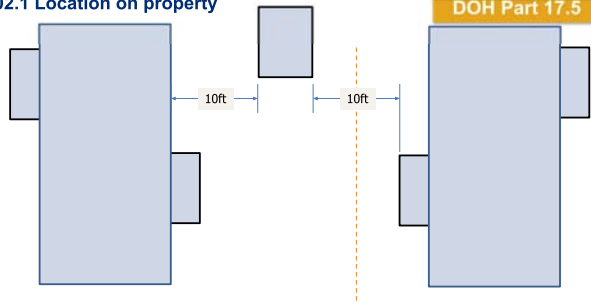
[NY] AE302.1 Location on property

MH and accessory buildings shall be located in accordance with R302.1 or any other law or regulation regarding separation distances (local laws/zoning ordinances)



Such as perhaps DOH Part 17.5 which requires 10' minimum spacing between homes and accessory buildings or structures

AE 302.1 Location on property



[NY] AE401.1 New Manufactured Homes



New Home Installation

- Install according to manufacturers installation instructions



[NY] AE401.2 Relocated Manufactured Homes



RELOCATED Home Installation

- Install according to manufacturer's installation instructions
- If not available...



RELOCATED Home Installation

- HUD Model Installation Standard (24-CFR-3285, 2016)



RELOCATED Home Installation

- HUD Model Installation Standard (24-CFR-3285, 2016)
- NFPA 225 (2017) Manufactured Home Installation



[NY] AE401.3 Installation instructions

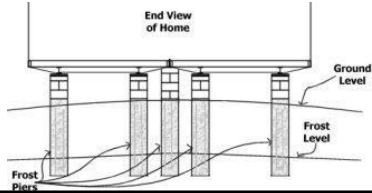
Installation instructions (or allowed alternative) shall be used to determine:

- Permissible points of support for vertical loads
- Points of attachment for anchorage systems
- Completion of all systems necessary for habitability
- Completion of any special or optional features.



[NY] AE402.3 Footings and foundations

Footings and foundations shall be constructed...and in all cases **shall** extend below the frost line.



Exception...Where a foundation system is designed by a registered design professional in accordance with the design requirements of the Manufactured Home Standards and the provisions of this code such that it will otherwise be protected from the effects of frost, such foundation system shall not required to extend below the frost line.

All cast-in-place concrete shall be minimum 3,000psi at 28 day compressive strength

Alternative Foundations
Additional Requirements

Foundation Design

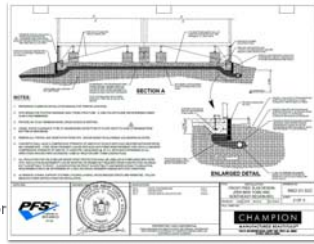
Before installer provides support or anchorage different than specified in the installation instructions ...installer must:

Alternative Foundations
Additional Requirements

Foundation Design

Before installer provides support or anchorage different than specified in the installation instructions ...installer must:

- 1. Obtain DAPIA-approved designs and instructions prepared by manufacturer; or

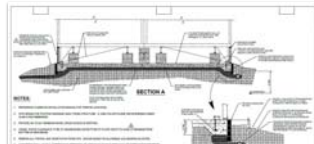


Alternative Foundations
Additional Requirements

Foundation Design

Before installer provides support or anchorage different than specified in the installation instructions ...installer must:

- 1. Obtain DAPIA-approved designs and instructions prepared by manufacturer; or



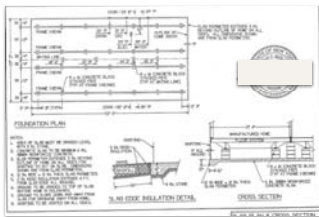
DAPIA – Design Approval Primary Inspection Agency
Responsible for reviewing and approving alternative foundations, damage repairs, initial home design, quality assurance manuals.

Alternative Foundations
Additional Requirements

Foundation Design

Before installer provides support or anchorage different than specified in the installation instructions ...installer must:

- 1. Obtain DAPIA-approved designs and instructions prepared by manufacturer; or
- 2. Obtain alternative design prepared by licensed design professional indicating support and anchorage consistent with MH design conforms to requirements of HUD Code AND has manufacturer and DAPIA approval.

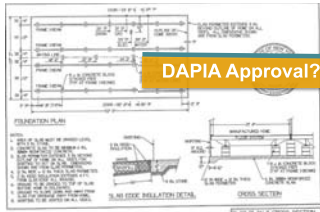


Alternative Foundations
Additional Requirements

Foundation Design

Before installer provides support or anchorage different than specified in the installation instructions ...installer must:

1. Obtain DAPIA-approved designs and instructions prepared by manufacturer; or
2. Obtain alternative design prepared by licensed design professional indicating support and anchorage consistent with MH design conforms to requirements of HUD Code **AND has manufacturer and DAPIA approval.**





[NY] AE405 Exits

Exterior stairways and ramps...shall comply with AE102.2 and all other applicable provisions of this code

AE102.2 Additions.

R311 Means of Egress

Stairways, ramps...shall comply with this section

R312 Guards

Porches, stairways, ramps more than 30" above grade



R311.5.1 Attachment

Required exterior stairs shall be positively anchored to the primary structure to resist both vertical and lateral forces
OR shall be designed to be self-supported

HUD Code requires porches to be...?



R311.3 Landings at exterior doors

Landing are required "on each side of each exterior door"

Not less than the width of the door with a depth of 36"





R311.3.1 Landings at required egress doors

Landing not more than 1 1/2 inches lower than the threshold

Exception: Landing not more than 8 1/4 inches lower than the threshold, provided that the door does not swing over the landing

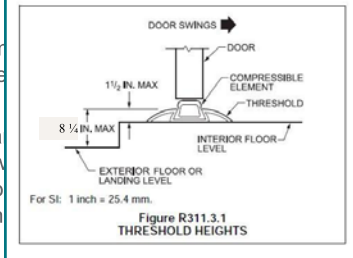




R311.3.1 Landings at required egress doors

Landing not more than 1 1/2 inches lower than the threshold

Exception: Landing not more than 8 1/4 inches lower than the threshold, provided that the door does not swing over the landing





R311.3.2 Landings at other exterior doors

Doors other than the required egress door shall be provided with landings or floors not more than 7 3/4 inches below the top of the threshold...

While [NY] R311.3.1, was modified by to match [NY] R311.7.5.1 Risers: "The riser height shall be not more than 8 1/4 inches..."

This dimension in R311.3.2 was not.



R311.7 Stairways

Minimum stair clear width:
36 inches

Maximum Riser height:
8 1/4 inches

Minimum tread depth:
9 inches

Shall not exceed the smallest by more than: 3/8 inch





R311.7.6 Landings for stairways

There shall be a floor landing at the top and bottom of each stairway.

Minimum 36" x 36"





R403.1.4 Minimum [footing] depth

Unless protected from frost... supports of buildings and structures shall extend below the frost line



Unless protected from frost... supports of buildings and structures shall extend below the frost line

Exception: Deck not supported by a dwelling shall have a footing **not less than 12 inches below the undisturbed ground surface.**



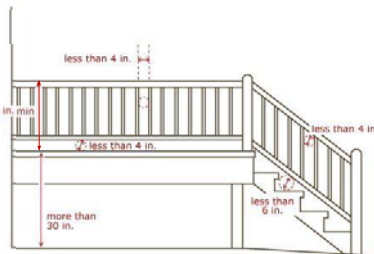


R312 Guards

Decks, landing more than 30" above grade within 36" horizontally to the edge

Open sided walking surfaces

Guards meeting this drawing



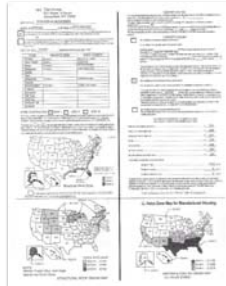




Installation Instructions Getting Started

Locate the Data Plate

- Confirm Information
- Equipment Data
- Design Data



HUD Data Plate

- Manufacturer Info
- HUD Label
- Serial Number
- Formaldehyde

MFG. Titan Homes
 951 Route 12 South
 Saratoga Springs, NY 12155

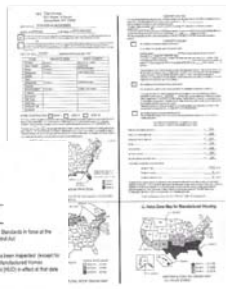
UNIT SER # 019-000-H-A004986A

MODEL # EP8144 HUD SEAL # NTA1931222

The manufacturer has been approved by HUD and the manufacturer has been registered under the National Manufacture Home Construction and Safety Act. Residents in force of the (2)

The manufacturer has been certified by HUD and the manufacturer has been registered under the National Manufacture Home Construction and Safety Act. Residents in force of the (2)

DATE OF MFG. 3/2/2020 DESIGN APPROVED BY PFS



CHAMPION HOMES HUD Data Plate **MHC Consultants LLC**
 Confirm Wind Zone

Zone 1 Zone 2 Zone 3

235

CHAMPION HOMES HUD Data Plate **MHC Consultants LLC**
 Roof Zone

North 40 PSF (Snow)
 Middle 30 PSF (Snow)
 South 20 PSF (Minimum)

236

CHAMPION HOMES HUD Data Plate **MHC Consultants LLC**
 Roof Zone

MANUFACTURED HOME ROOF LOAD MAP
 FEB. 24 C.F.R. 3280.305(c)(1) (Effective May 16, 2016)

MIDDLE ROOF LOAD ZONE (30/PSF)
 SOUTH ROOF LOAD ZONE (20/PSF)

NEW YORK STATE COUNTIES

237

CHAMPION HOMES **HUD Data Plate** **MHC Consultants LLC**

Thermal Zone

Zone 1 2 3
 0 Values 2116 2506 2279

238

MHC Consultants LLC

Install Footings

Determine Pier Locations using Instructions

239

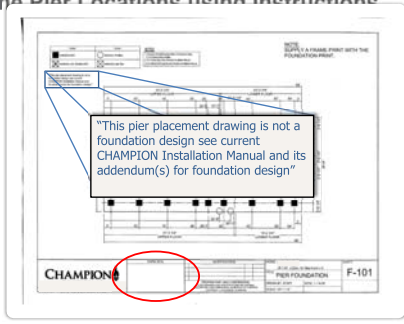
MHC Consultants LLC

Determine Pier Locations using Instructions

CHAMPION HOMES F-101

240

Determine Pier Locations using Instructions



Determine Pier Loads (Frame – no perimeter blocking required)

Portion of Table 6 shown.

Support Spacing	Roof Load zone and max. section width					
	South (20psf)			Middle (30psf)		
	12ft	14ft	16ft	12ft	14ft	16ft
4ft	2490	2820	3140	2810	3170	3520
5ft	3110	3520	3920	3510	3960	4400
6ft	3730	4230	4710	4210	4760	5270
8ft	4980	5640	6270	5610	6340	7030
10ft	6220	7040	7840	7010	7920	8790

Determine Pier Loads (Frame – no perimeter blocking required)

Portion of Table 6 shown.

Support Spacing	Roof Load zone and max. section width					
	South (20psf)			Middle (30psf)		
	12ft	14ft	16ft	12ft	14ft	16ft
4ft	2490	2820	3140	2810	3170	3520
5ft	3110	3520	3920	3510	3960	4400
6ft	3730	4230	4710	4210	4760	5270
8ft	4980	5640	6270	5610	6340	7030
10ft	6220	7040	7840	7010	7920	8790

Determine Pier Loads (Frame – no perimeter blocking required)
 Portion of Table 6 shown.

Support Spacing	Roof Load zone and max. section width					
	South (20psf)			Middle (30psf)		
4ft	2490	2820	3140	2810	3170	3520
5ft	3110	3520	3920	3510	3960	4400
6ft	3730	4230	4710	4210	4760	5270
8ft	4980	5640	6270	5610	6340	7030
10ft	6220	7040	7840	7010	7920	8790

Determine Minimum Footer Size for Square & Rectangular Shapes (Default Soil Capacity) **6340**

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Size (in.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	256	16x16	6	2660	6	2660
	384	24x16	6	4000	6	4000
	576	24x24	8	6000	6	6000
	1024	32x32	12	8000	8	10660

Determine Minimum Footer Size for Square & Rectangular Shapes (Default Soil Capacity) **6340**

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Size (in.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	256	16x16	6	2660	6	2660
	384	24x16	6	4000	6	4000
	576	24x24	8	6000	6	6000
	1024	32x32	12	8000	8	10660

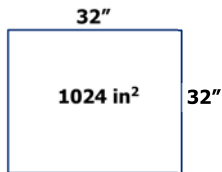


Determine Minimum Footer Size for Square & Rectangular Shapes (Default Soil Capacity)

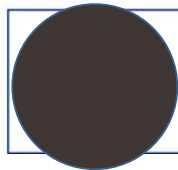
6340

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Size (In.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	256	16x16	6	2660	6	2660
	384	24x16	6	4000	6	4000
	576	24x24	8	6000	6	6000
	1024	32x32	12	8000	8	10660

Footer size 32" x 32" = 1024 in²



Footer size 32" x 32" = 1024 in²



Determine Minimum Footer Size for Circular Shapes
(Default Soil Capacity)

6340

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Dia. (in.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	254	18	6	2650	-	-
	452	24	"	4710	6	4710
	615	28	"	6410	"	6410
	800	32	"	8000	"	8370

Determine Minimum Footer Size for Circular Shapes
(Default Soil Capacity)

6340

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Dia. (in.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	254	18	6	2650	-	-
	452	24	"	4710	6	4710
	615	28	"	6410	"	6410
	800	32	"	8000	"	8370

Determine Minimum Footer Size for Circular Shapes
(Default Soil Capacity)

6340

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Dia. (in.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	254	18	6	2650	-	-
	452	24	"	4710	6	4710
	615	28	"	6410	"	6410
	800	32	"	8000	"	8370



Determine Maximum Footer Loading for Circular Shapes (Default Soil Capacity)

24"

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Dia. (in.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	254	18	6	2650	-	-
	452	24	"	4710	6	4710
	615	28	"	6410	"	6410
	800	32	"	8000	"	8370

Determine Maximum Footer Loading for Circular Shapes (Default Soil Capacity)

24"

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Dia. (in.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	254	18	6	2650	-	-
	452	24	"	4710	6	4710
	615	28	"	6410	"	6410
	800	32	"	8000	"	8370



Determine Maximum Footer Loading for Circular Shapes (Default Soil Capacity)

24"

Soil Bearing Capacity	Min. Footing Area (sq. in.)	Min. Footing Dia. (in.)	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	254	18	6	2650	-	-
	452	24	"	4710	6	4710
	615	28	"	6410	"	6410
	800	32	"	8000	"	8370



Determine Pier Spacing based on Pier Load

4710

(Frame – no perimeter blocking required) Portion of Table 6 shown.

Support Spacing	Roof Load zone and max. section width					
	South (20psf)			Middle (30psf)		
	12ft	14ft	16ft	12ft	14ft	16ft
4ft	2490	2820	3140	2810	3170	3520
5ft	3110	3520	3920	3510	3960	4400
6ft	3730	4230	4710	4210	4760	5270
8ft	4980	5640	6270	5610	6340	7030
10ft	6220	7040	7840	7010	7920	8790



Determine Pier Spacing based on Pier Load

4710

(Frame – no perimeter blocking required) Portion of Table 6 shown.

Support Spacing	Roof Load zone and max. section width					
	South (20psf)			Middle (30psf)		
	12ft	14ft	16ft	12ft	14ft	16ft
4ft	2490	2820	3140	2810	3170	3520
5ft	3110	3520	3920	3510	3960	4400
6ft	3730	4230	4710	4210	4760	5270
8ft	4980	5640	6270	5610	6340	7030
10ft	6220	7040	7840	7010	7920	8790



Determine Pier Spacing based on Pier Load **4710**

(Frame – no perimeter blocking required) Portion of Table 6 shown.

Support Spacing	Roof Load zone and max. section width					
	South (20psf)			Middle (30psf)		
	12ft	14ft	16ft	12ft	14ft	16ft
4ft	2490	2820	3140	2810	3170	3520
5ft	3110	3520	3920	3510	3960	4400
6ft	3730	4230	4710	4210	4760	5270
8ft	4980	5640	6270	5610	6340	7030
10ft	6220	7040	7840	7010	7920	8790



Determine Pier Spacing based on Pier Load **4710**

(Frame – no perimeter blocking required) Portion of Table 6 shown.

Support Spacing	Roof Load zone and max. section width					
	South (20psf)			Middle (30psf)		
	12ft	14ft	16ft	12ft	14ft	16ft
4ft	2490	2820	3140	2810	3170	3520
5ft	3110	3520	3920	3510	3960	4400
6ft	3730	4230	4710	4210	4760	5270
8ft	4980	5640	6270	5610	6340	7030
10ft	6220	7040	7840	7010	7920	8790

Soil Bearing Capacity	Min. Footing Area	Min. Footing Dia.	8x16 single stack		16x16 double stack	
			Min. Thickness	Max. Capacity	Min. Thickness	Max. Capacity
1500	254	18	6	2650	-	-
	452	24	"	4710	6	4710
	615	28	"	6410	"	6410
2500	800	32	"	8000	"	8370
	254	18	6	4410	-	-
	452	24	"	7850	6	7850
	615	28	"	8000	"	10690
	800	32	"	-	"	13960

6340





Alternative Foundations

- permitted with approval of home manufacturer and DAPIA

ALTERNATIVE FOUNDATION SYSTEMS

Alternative foundation systems or designs are permitted if they are approved by the home manufacturer and the manufacturer's DAPIA, and are in accordance with either of the following:

- Systems or designs are manufactured and installed in accordance with their listings by a nationally recognized testing agency based on a nationally recognized testing protocol; or
- System designs are prepared by a registered engineer or a registered architect or tested and certified by a registered engineer or registered architect in accordance with acceptable engineering practice and are manufactured and installed so as not to take the home out of compliance with the Manufactured Home Construction and Safety Standards.





Alternative Foundations

- permitted with approval of home manufacturer and DAPIA

Design Approval Primary Inspection Agency

- Equal to design professionals seal for purpose of manufactured housing.
- Req. on designs and manuals

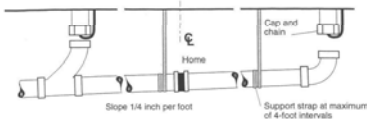




Plumbing Issues

Miscellaneous

- Drain, Waste and Vent
- Support pipe 48"oc or less by approved method
- ABS to PVC connections by approved methods





Plumbing Issues

Miscellaneous

- Drain, Waste and Vent
- Support pipe 48"oc
- ABS to PVC connectio



Use only solvents and glues compatible with the pipe (ABS or PVC). Follow manufacturers instructions











Exterior Work Skirting

- Structural or non-structural perimeter crawlspace enclosure
- Extend vents, drains & inlets to outside
- Access (18"x 24" min) near utility connections





Exterior Work Skirting

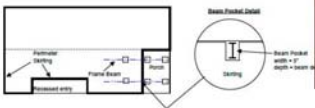
- Structural or non-structural perimeter crawlspace enclosure
- Extend vents, drains & inlets to outside
- Access (18"x 24" min) near utility connections



- Follow perimeter of the homes conditioned space.

Decks & Porches when part of home

Fully Vented Panels installed to allow water to drain



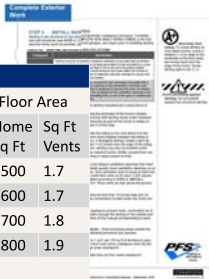


Exterior Work Ventilation

- REQUIRED (by: Manuf & AE402.6) when skirted
- One square foot of vent per 1,500 square foot of under floor area
 - Unless using integral vent skirting vents must be equal size & opposite ends of home
 - One ventilation opening within 3ft of each corner



Exterior Work Ventilation



REQUIREMENT: Foundation Ventilation
 One Sq Ft of Free Air Vent per 1500 Sq Ft of Floor Area

Home Sq Ft	Sq Ft Vents	Home Sq Ft	Sq Ft Vents	Home Sq Ft	Sq Ft Vents	Home Sq Ft	Sq Ft Vents
1000	.7	1500	1.0	2000	1.3	2500	1.7
1100	.7	1600	1.0	2100	1.4	2600	1.7
1200	.8	1700	1.1	2200	1.5	2700	1.8
1300	.9	1800	1.2	2300	1.5	2800	1.9

Reminder: One sq ft = 144 sq inches

Ventilation Calculations - Integral Skirting

- 28x56 New Home = 1566sqft
- Vapor Barrier REQUIRED
- 1 sq ft vent per 1500 sq ft floor space
- Need 1 sq ft of free vent (144 sq inches)
- Use 32" tall center vent (13 sq inches)
- 144 / 13 = 12 panels

Need 112 panels to skirt whole house

Ventilation Calculations - Integral Skirting

- 28x56 New Home = 1566sqft
- Vapor Barrier REQUIRED
- 1 sq ft vent per 1500 sq ft floor space

Ventilation Calculations - Integral Skirting

- 28x56 New Home = 1566sqft
- Vapor Barrier REQUIRED
- 1 sqft vent per 1500 sq ft floor space
- Need 1 sq ft of free vent (144 sq inches)

Ventilation Calculations - Integral Skirting

- 28x56 New Home = 1566sqft
- Vapor Barrier REQUIRED
- 1 sqft vent per 1500 sq ft floor space
- Need 1 sq ft of free vent (144 sq inches)
- Use 32" tall center vent (13 sq inches)

Ventilation Calculations - Integral Skirting

- 28x56 New Home = 1566sqft
- Vapor Barrier REQUIRED
- 1 sqft vent per 1500 sq ft floor space
- Need 1 sq ft of free vent (144 sq inches)
- Use 32" tall center vent (13 sq inches)
- $144 / 13 = 12$ panels

Need 112 panels to skirt whole house







Vents are required to be equal size and opposite sides of foundation

Amount of venting required: 144sqin



Vents are required to be equal size and opposite sides of foundation

Amount of venting required: 144sqin

Amount of venting provided?



Vents are required to be equal size and opposite sides of foundation

Amount of venting required: 144sqin

Amount of venting provided?

Qty: 2 - 8"x16" block vents



MHC Consultants LLC

Vents are required to be equal size and opposite sides of foundation

Amount of venting required: 144sqin

Amount of venting provided?

Qty: 2 - 8"x16" block vents

$(8 \times 16 = 128) \times 2 = 256 \text{sqin}$



286

MHC Consultants LLC

Vents are required to be equal size and opposite sides of foundation

Amount of venting required: 144sqin

Amount of venting provided?

Qty: 2 - 8"x16" block vents

$(8 \times 16 = 128) \times 2 = 256 \text{sqin}$

All set, right?



287

MHC Consultants LLC

Vents are required to be equal size and opposite sides of foundation

Amount of venting required: 144sqin

Amount of venting provided?

Qty: 2 - 8"x16" block vents

$(8 \times 16 = 128) \times 2 = 256 \text{sqin}$

All set, right?

WRONG



288

Vents are required to be equal size and opposite sides of foundation

Amount of venting required: 144sqjin
Qty: 2 - 8"x16" block vents



Vents are required to be equal size and opposite sides of foundation

Amount of venting required: 144sqjin
144/45=3.2

Min. 4 vents within 3ft of corners



Pocket Penetrometer

The instrument should not be used for obtaining foundation design data.



Standard
The Pocket Penetrometer is designed as a lightweight instrument for use by field personnel to obtain direct classification of soils. It can be used to verify and/or supplement data obtained during laboratory testing of soils under controlled conditions.

Indication
Indicates consistency, shear strength, and approximate unconfined compressive strength. Shows numerical value on dial. It is highly sensitive to moisture content and compaction strength. This reading is not the same as the bearing capacity of soils. It is not intended for use in determining bearing capacity.

Installation
The dialing on the back of the penetrometer is designed to indicate the test reading on the dial for the test.

Operation
To operate, slide the ring down against the handle to the position of the penetrometer. Push the handle and dial to the top of the penetrometer and pull down the plunger. Center the dial to the center of the dial. (Check this to make sure you read the scale in increments of 0.1 MPa or 1.5 kg/cm² for every 10 mm of penetration.)

Reading
The reading is indicated on the dial. The dial has a scale of 0 to 100 kg/cm² (1 MPa) and is graduated in 10 kg/cm² (0.1 MPa) increments.

Minimum reading of the Penetrometer is 0.5 MPa per square foot or 0.5 kg/cm² per square centimeter. Higher Penetration readings are not indicated, unless used at 20 degrees, and additional certification is required. An error of up to 25 percent at the upper end of the scale is permitted by the manufacturer.

Notes
This instrument is not a penetrometer. It is not intended for use in determining bearing capacity. It is not intended for use in determining bearing capacity. It is not intended for use in determining bearing capacity.

Storage
Store in a cool, dry place. Do not store in a plastic bag. Do not store in a plastic bag. Do not store in a plastic bag.

Soil Penetrometer, Pocket Style

Truss, Engineered Lumber or Timber Construction Placard

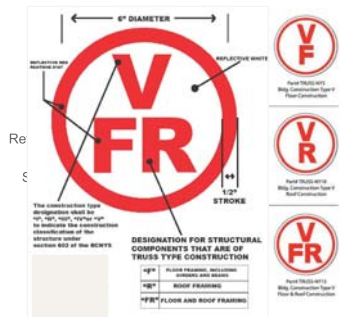
"An act to amend the Executive Law, in relation to notice requirements and enforcement for residential buildings with truss type, pre-engineered wood or timber construction."

Addition of Article 18 Executive Law of NY §382-b
Passed by Senate & Assembly 6/20/2014 Signed by Gov. 9/17/2014

19 NYCRR Part 1265 "Residential Structures with Truss Type...Construction"
Adopted 11/18/2014 by Codes Council Effective 1/1/2015

"Each new residential structure and each addition to or rehabilitation of an existing residential structure that utilizes truss type construction, pre-engineered wood construction and/or timber construction shall be identified by a sign or symbol..."

Five horizontal lines for notes or additional information.



Five horizontal lines for notes or additional information.

§1265.4 "...affixed to electric box attached to exterior of the residential structure; provided, however that:"



- 1. If obscure any meter or utility not allow affixation: shall be affixed to exterior adjacent to electric box
2. If no electric box or the attached electric box located where not likely seen by firefighters: shall be affixed in a location approved by LAHJ as a location likely to be seen by firefighters

Affixed prior to issuance of a C.O.
Property owner responsible for maintenance and replacement if necessary

Five horizontal lines for notes or additional information.

Garage Additions/Add-On Structures



Garage Additions/Add-On Structures

24 CFR 3282.7 "Add-on: any structure (except a structure designed or produced as an integral part of a MH) which, when attached to a MH increases the area, either living or storage..."

Remember- Retailers may not sell MH that has been altered in a way which "causes a failure to conform to" HUD Code

Modifications to MH for purpose of "Add-on" Structures often remove compliance with HUD code

Alternative Construction Approval **REQUIRED**

Issues addressed

Garage independence & support



Alternative Construction Approval **REQUIRED**

Issues addressed

- Garage independence & support
- Roof modification & ventilation



Alternative Construction Approval **REQUIRED**

Issues addressed

- Garage independence & support
- Roof modification & ventilation
- Fire Separation



Alternative Construction Approval **REQUIRED**

Issues addressed

- Garage independence & support
- Roof modification & ventilation
- Fire Separation
- Electrical circuits for Lighting, GFCI & smoke detectors



Alternative Construction Approval **REQUIRED**

Issues addressed

- Garage independence & support
- Roof modification & ventilation
- Fire Separation
- Electrical circuits for Lighting, GFCI & smoke detectors
- Egress Compliance



Alternative Construction Approval **REQUIRED**

Issues addressed

- Garage independence & support
- Roof modification & ventilation
- Fire Separation
- Electrical circuits for Lighting, GFCI & smoke detectors
- Egress Compliance
- Light and ventilation



**YOUR ATTENDANCE HERE TODAY DOES NOT
AUTOMATICALLY GRANT CERTIFICATION**

YOUR ATTENDANCE HERE TODAY DOES NOT AUTOMATICALLY GRANT CERTIFICATION

You must file appropriate application(s)...

NEW YORK Department of State
Division of Licensing Services

New York State
Department of State
Division of Licensing Services
120 Sun Street
Albany, NY 12242-0001
Phone: 518.474.4000
www.dos.ny.gov

Application for Retailer Certification
The applicant identified below hereby applies for certification pursuant to Article 21-B of the Executive Law and 18 NYCRR Part 1212.

BEFORE: Complete all parts of this application by checking the appropriate boxes and filling in the blank spaces as required. There may be required explanation or additional information on attached sheets. Sign and date the completed application and submit with \$200 fee to the above address.

Check appropriate box: Applicant is a: Individual Trade Name General Partnership Corporation LLC LLP

Applicant's Name: _____

DOB (if any): _____ Telephone: _____

Street Address: _____ Fax: _____

City, State, Zip: _____ Email: _____

State Security Number: _____ Federal Taxpayer ID: _____

YOUR ATTENDANCE HERE TODAY DOES NOT AUTOMATICALLY GRANT CERTIFICATION

You must file appropriate application(s)...

- Within required timeframe
- Installer – 6 months after completion of training
 - Mechanic – 6 months after completion of training

NEW YORK Department of State
Division of Licensing Services

New York State
Department of State
Division of Licensing Services
120 Sun Street
Albany, NY 12242-0001
Phone: 518.474.4000
www.dos.ny.gov

Application for Retailer Certification
The applicant identified below hereby applies for certification pursuant to Article 21-B of the Executive Law and 18 NYCRR Part 1212.

BEFORE: Complete all parts of this application by checking the appropriate boxes and filling in the blank spaces as required. There may be required explanation or additional information on attached sheets. Sign and date the completed application and submit with \$200 fee to the above address.

Check appropriate box: Applicant is a: Individual Trade Name General Partnership Corporation LLC LLP

Applicant's Name: _____

DOB (if any): _____ Telephone: _____

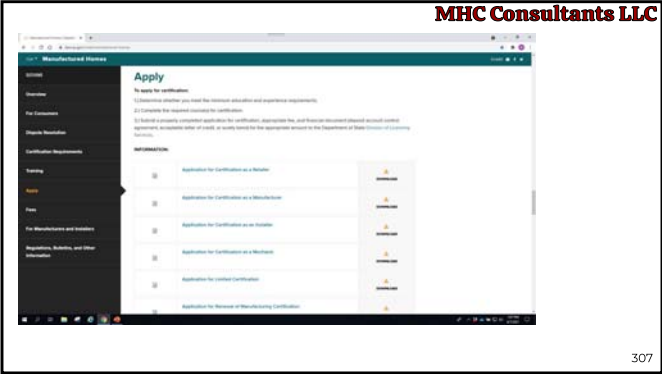
Street Address: _____ Fax: _____

City, State, Zip: _____ Email: _____

State Security Number: _____ Federal Taxpayer ID: _____

<https://dos.ny.gov/code/manufactured-homes>





Application Attestation

You certify that as of the date of application you are
Under no obligation to pay child support; or
If under an obligation to pay child support
– Not more than 4 months in arrears or are making payments under plan
And...

Application Attestation

You certify that as of the date of application you are
Under no obligation to pay child support; or
If under an obligation to pay child support
– Not more than 4 months in arrears or are making payments under plan
And...
Have NYS Workers' Compensation & Disability Benefits coverage; or
Qualify for and have exemption from coverage requirements

Application Social Security & Federal ID Numbers

So you have to provide them?

YES, Disclosure is mandatory

- DOS is required to collect for all licensees.
- Authority: §5 of Tax Law & §3-503 General Obligations Law.
- The information may be used for tax administration and child support administration.
- Privacy Notice is part of application.

Application Denial

- Notification in writing from DOS
- Right to appeal within 35 days





TOP REASONS WHY:

- The check amount is wrong. Licensing recommends individual checks for individual applications.



TOP REASONS WHY:

- The check amount is wrong. Licensing recommends individual checks for individual applications.
- ALWAYS include the course completion certificate!




TOP REASONS WHY:

- The check amount is wrong. Licensing recommends individual checks for individual applications.
- ALWAYS include the course completion certificate!
- The name on your certificate has to match the name on your application exactly.



ants LLC


MHC Consultants LLC



TOP REASONS WHY:

- The check amount is wrong. Licensing recommends individual checks for individual applications.
- ALWAYS include the course completion certificate!
- The name on your certificate has to match the name on your application exactly.
- Just as you need to apply for limited certification, so do need to apply for the entity.

MHC Consultants LLC



TOP REASONS WHY:

- The check amount is wrong. Licensing recommends individual checks for individual applications.
- ALWAYS include the course completion certificate!
- The name on your certificate has to match the name on your application exactly.
- Just as you need to apply for limited certification, so do need to apply for the entity.
- Previous experience detail. Licensing wants much more detail. Saying general contracting is not enough detail.



TOP REASONS WHY:

- The check amount is wrong. Licensing recommends individual checks for individual applications.
- ALWAYS include the course completion certificate!
- The name on your certificate has to match the name on your application exactly.
- Just as you need to apply for limited certification, so do need to apply for the entity.
- Previous experience detail. Licensing wants much more detail. Saying general contracting is not enough detail.
- **Your bond does not cover your certification.**

C. of O. and Financial Security

- Remember this slide from earlier.

April 8, 2020 | 11:03 AM 21 | 214

Financial Security
 *A person or business entity certified...
 must maintain an acceptable deposit account, letter of credit or surety bond in full force and effect...
 At all times while certification is in effect;
 At all times while certification is suspended; and
 At all times following the expiration or revocation of certification until the expiration of timeframe under which a homeowner can file a complaint...

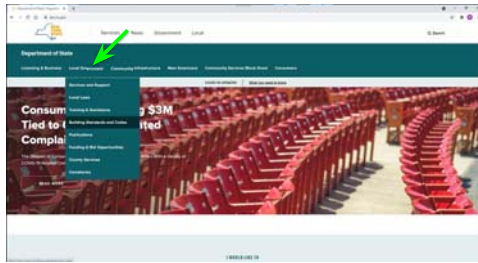
A Division of New York Department of State

Standards for certification as a ...
 1210.04 ... manufacturer.
 1210.05 ... retailer.
 1210.06 ... installer.
 1210.07 ... mechanic.

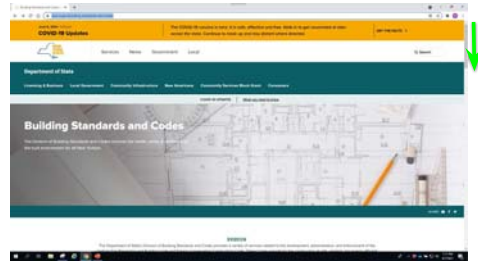
C. of O. and Financial Security

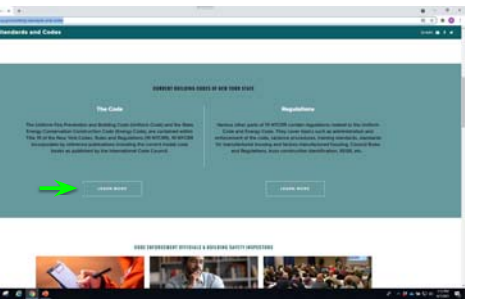
- Request to release Financial Security
 - Certified entity shall prove that the timeframe under which a homeowner has to file a complaint has expired.
 - Submit copy of CO to DOS
 - Other information as may be required
 - Attestation & Affidavit

https://dos.ny.gov



https://dos.ny.gov/building-standards-and-codes

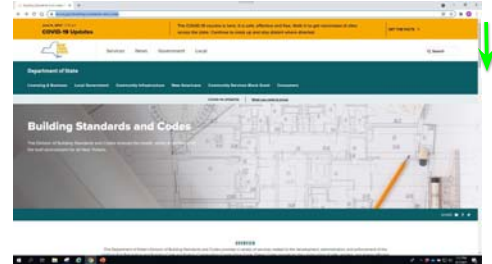


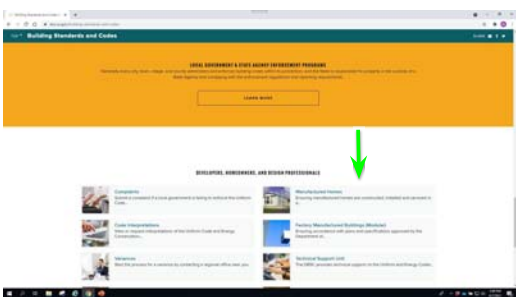


Redirected: <https://codes.iccsafe.org/codes/new-york>



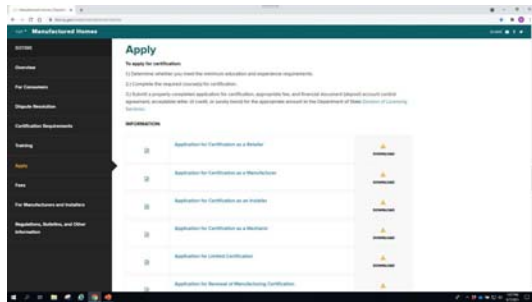
<https://dos.ny.gov/building-standards-and-codes>





<https://dos.ny.gov/code/manufactured-homes>







HUD Model Installation Standard (24-CFR-3285, 2016)
<https://www.gpo.gov/fdsys/pkg/CFR-2016-title24-vol5/pdf/CFR-2016-title24-vol5-part3285.pdf>

NFPA 225 (2017) Manufactured Home Installation © \$\$\$
<http://catalog.nfpa.org/NFPA-225-Model-Manufactured-Home-Installation-Standard-P1241.aspx?icid=D729>

Reminders

Rule #1 Building Permits and C.O.s are required for the installation



Reminders

Rule #1 Building Permits and C.O.s are required for the installation

Rule #2 Follow the Manufacturer's Instructions



Reminders

Rule #1 Building Permits and C.O.s are required for the installation

Rule #2 Follow the Manufacturer's Instructions

Rule #3 C.O. and A.C. Inspection **PRIOR** to move-in



For technical assistance

Contact Information

New York, Department of State
Division of Building Standards & Codes
One Commerce Plaza
99 Washington Ave.
Albany NY 12231-0001

Manufactured.housing@dos.ny.gov

Contact Information

MHC Consultants
160 Wilkinson Rd.
Fairport NY 14450

joel@consultwithmhc.com





What can I clear up?

Contact Information

MHC Consultants
160 Wilkinson Rd.
Fairport NY 14450

If you couldn't take the polls

If your name is wrong on your certificate

Add it to your safe senders list

joel@consultwithmhc.com



Any questions?