



Hudson Building Department
78 Main Street
Hudson MA 01749
(978) 568-9625

New Construction Inspection Checklist

1. Pre-Construction

- Post Building Permit Card**
Ensure the building permit card is posted at the job site.

2. Foundation Inspections

- Bottom of the Hole Inspection**
 - Verify the presence of virgin soil.
- Footing/Rebar Inspection (if applicable)**
 - Inspect rebar placement and size, if required.
- Footing/Keyway Inspection**
 - Ensure the footing and keyway are formed correctly.
- Foundation/Rebar Inspection (if applicable)**
 - Check rebar installation in the foundation.
- Foundation Inspection**
 - Confirm that all footing and foundation components are installed but not backfilled.
 - Ensure foundation walls below grade are completely covered with foundation sealer from the top of the footings to the grade level.
 - Verify that perimeter drains are installed around the foundation and run to daylight downgrade.

3. Exterior Building Inspection

- Wall/Roof Sheathing Inspection (Zip-type products)**
 - Ensure the roof covering is completed and properly taped.
 - Ensure the wall covering is completed and properly taped.

4. Rough Building and Mechanical Inspection (see page 3 for fireplace / chimney if applicable)

- Framing Inspection**
 - Complete all rough framing work, including interior partitions, stairways, and any other necessary framing.
 - Finish all windows, doors, and siding work.
- Roofing and Chimney Inspection**

- Ensure all roofing and chimney work is completed.
- **Firestopping/Fire Blocking**
 - All firestopping and fire blocking must be properly installed.
- **Site Cleanliness**
 - The house must be broom cleaned, and all building materials must be removed.
- **Rough Electrical Inspection**
 - Complete all rough electrical work and obtain sign-off from the Electrical Inspector.
- **Rough Plumbing and Gas Inspection**
 - Complete all rough plumbing and gas work and obtain sign-offs from the Plumbing and Gas Inspectors.

Note: No insulation should be installed before rough inspections are completed.

5. Ventilation Inspection

- Ensure all necessary and proper ventilation for attics, crawl spaces, or other areas is permanently and completely installed.

6. Insulation Inspection

- **Wall Insulation**
 - Install insulation in all exterior walls adjacent to conditioned (heated) spaces.
- **Ceiling Insulation**
 - Install insulation in ceiling areas adjacent to conditioned spaces.
- **Floor Insulation**
 - Install insulation in all floors over unheated spaces.

Note: No sheetrock or blue board should be delivered or installed until the insulation inspection is completed.

7. Final Inspection

- **Electrical Work**
 - Ensure all finished electrical work is signed off by the Electrical Inspector.
- **Plumbing & Gas Work**
 - Ensure all finished plumbing and gas work is signed off by the Plumbing and Gas Inspectors.
- **Department of Public Works (DPW)**
 - Complete all driveway work and obtain sign-off from the Highway Department's Inspector.
- **Building Inspector Final Approval**
 - Ensure all grading, decks, porches, stairways, sidewalks, retaining walls, and exterior site work are completed.
 - Complete all interior finish carpentry work and flooring.
 - Ensure heating, ventilation, and air conditioning systems are installed and functioning.

- Confirm all Planning Board, Zoning Board, or site plan approval requirements are met (if applicable).
- Ensure compliance with the Massachusetts State Building Code (780 CMR) and Town Zoning By-Laws.

8. Fireplace/Chimney Inspection

- **1st Inspection - Smoke Chamber & Flue**
 - Cleanout height: 6 inches
 - Thimble clearance (if applicable): 18 inches
 - Hearth extension size: 16-20 inches
 - Flue clearance: 1/2 inch
 - Distance between adjacent flues: 4 inches + partition (if applicable)
 - Inspect flue support and smoke chamber wall thickness.
- **2nd Inspection - Firebox Completion**
 - Flue clearance: 1/2 inch (if applicable)
 - Firebox wall thickness: 8 inches
 - Joint size: 1/4 inch
- **3rd Inspection - Final**
 - Check chimney height and cricket (if applicable).
 - Verify clearance to combustibles.
 - Hearth size: 16-20 inches.
 - Measure distance from top of opening to throat: 8 inches.