

COMMERCIAL NEW CONSTRUCTION
Massachusetts Energy Code 9th Edition
Plan Review Checklist for IECC Compliance Paths
 (To be completed before building permit is issued)



Applicant Name _____ Applicant Phone _____

Project Address _____

Type of Construction:

<input type="checkbox"/> New Construction	<input type="checkbox"/> Addition	<input type="checkbox"/> Alteration	<input type="checkbox"/> Change of Occupancy
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Select Compliance Path (C401.2):		
<input type="checkbox"/> #1: ASHRAE Standard 90.1 (select one):		
<input type="checkbox"/> Prescriptive Path	<input type="checkbox"/> Chapter 11	<input type="checkbox"/> Appendix G
<input type="checkbox"/> #2: IECC Prescriptive Path		
<input type="checkbox"/> #3: IECC Performance Path		
<input type="checkbox"/> #4: 780 CMR 51.00: Massachusetts Residential Code (Residential Buildings up to 5 stories only)		
<input type="checkbox"/> RESNET HERS Rating	<input type="checkbox"/> ENERGY STAR Homes	<input type="checkbox"/> Passive House (PHIUS)

Compliance Path # 1: ASHRAE Standard 90.1		
For Prescriptive Path and Chapter 11:		
<input type="checkbox"/> Attach COMcheck Report <input type="checkbox"/> Meet C402.3 Rooftop Solar Readiness* <input type="checkbox"/> Indicate C406 Option(s) Below		
Section 406 (for ASHRAE compliance paths, one option must be C406.3)		
<input type="checkbox"/> Two Options (Mass Save Territory)		<input type="checkbox"/> One Option (non-Mass Save Territory)
<input type="checkbox"/> C406.2 More Efficient HVAC	<input type="checkbox"/> C406.3 Reduced LPD	<input type="checkbox"/> C406.4 Enhanced Lighting Controls
<input type="checkbox"/> C406.5 Renewable Energy	<input type="checkbox"/> C406.6 DOAS	<input type="checkbox"/> C406.7 High Efficiency SHW
For Chapter 11 and Appendix G:		
Compliance report for permitting must include:	1. A statement indicating that the proposed design complies with Chapter 11 or Appendix G	
	2. A site-specific energy analysis report	
	3. The name of the individual performing the analysis and generating the report	
	4. The name and version of the compliance software tool	

Compliance Path #2: IECC Prescriptive		
<input type="checkbox"/> Attach COMcheck Report <input type="checkbox"/> Meet C402.3 Rooftop Solar Readiness* <input type="checkbox"/> Indicate C406 Option(s) Below		
Section 406		
<input type="checkbox"/> Two Options (Mass Save Territory)		<input type="checkbox"/> One Option (non-Mass Save Territory)
<input type="checkbox"/> C406.2 More Efficient HVAC	<input type="checkbox"/> C406.3 Reduced LPD	<input type="checkbox"/> C406.4 Enhanced Lighting Controls
<input type="checkbox"/> C406.5 Renewable Energy	<input type="checkbox"/> C406.6 DOAS	<input type="checkbox"/> C406.7 High Efficiency SHW

*See Massachusetts amendments

Notes:

Compliance Path #3: IECC Performance

- Meets C402.4, C403.2, C404, & C405 Meet C402.3 Rooftop Solar Readiness* Attach COMcheck Report

For modeling in accordance with C407:

Annual energy cost of proposed design not greater than 85% of annual energy cost of reference building per software calculations submitted by designer. Compliance report for permitting must include:	1. A statement indicating that the proposed design complies with Section C407	5. An inspection checklist documenting the building component characteristics of the proposed design, the results for both the standard reference design and the proposed design, and the user inputs to the compliance software to generate the results
	2. A site-specific energy analysis report	
	3. The name of the individual performing the analysis and generating the report	
	4. The name and version of the compliance software tool	

Approved Alternative Energy Performance Methods (C407.6.1.1)**Passive House Institute US (PHIUS)**

Compliance report for permitting shall comply with C407.6.1.2 and include:	1. A statement indicating that the proposed design complies with the Option and has a Specific Space Heat Demand less than or equal to 10 kBtu/ft ² /year	3. An inspection checklist documenting the building component characteristics of the proposed design, and the user inputs to generate the results.
	2. The name of the Certified Passive House Consultant performing the analysis and generating the report	

Compliance Path #4: Massachusetts Residential Code

- 5 Stories or Less Only All units are separately rated, separately metered, individually heated and cooled, and have kitchens
 Attach Residential Checklist

Option 1: RESNET

Compliance report for permitting shall comply with C407.6.1.2-4 and include:	1. A statement indicating that the proposed design complies with the option and has a HERS score of 55 or less	3. An inspection checklist documenting the building component characteristics of the proposed design, and the user inputs to generate the results
	2. The name of the certified HERS Rater performing the analysis and generating the report	

Option 2: Passive House Institute US (PHIUS)

Compliance report for permitting shall comply with C407.6.1.2 and include:	1. A statement indicating that the proposed design complies with the Option and has a Specific Space Heat Demand less than or equal to 10 kBtu/ft ² /year	3. An inspection checklist documenting the building component characteristics of the proposed design, and the user inputs to generate the results.
	2. The name of the Certified Passive House Consultant performing the analysis and generating the report	

Option 3: ENERGY STAR Homes 3.1

Compliance report for permitting shall comply with C407.6.1.2 and include:	1. A statement indicating that the proposed design complies with the Option	3. An inspection checklist documenting the building component characteristics of the proposed design, and the user inputs to generate the results.
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Notes: