

TOWN OF WELLESLEY
9th EDITION MA STATE BUILDING CODE
APPENDIX AA STRETCH CODE COMPLIANCE FORM



Applicant Name _____ Applicant Phone _____
 Project Address _____
 Reviewed by: _____ Date _____

Indicate which Compliance Path is being used (R401.2)

Path 1 Path 2 Path 3 (required for Stretch Code)

Path 1. Prescriptive – Sections R401 through R404: Indicate page number in plans and specifications where details are found: _____

	Windows & Doors	Skylight	Ceiling	Wood frame wall	Mass wall	Floor	Basement wall	Slab insulation / depth	Crawlspace wall
<input type="checkbox"/> Option A: R-value (R402.1.2)	Maximum value			Minimum value					
	U-0.30	U-0.55	R-49	R-20 or R-13+5	R-13 / R-17	R-30	R-15 / R-19	R-10 / 2 ft.	R-15 / R-19
<input type="checkbox"/> Option B: Equivalent U-factor (R402.1.4): Must include calculations based on R-values in plans.	Maximum value								
	U-0.30	U-0.55	U-0.026	U-0.060	U-0.082	U-0.033	U-0.050	U-0.55 / 2 ft.	U-0.055
<input type="checkbox"/> Option C: Total UA alternative (R402.1.5 plus MA amendment R402.1.5.1)						<input type="checkbox"/> REScheck™ version 4.6.0 or later			
						<input type="checkbox"/> REScheck-Web™			

Path 2. Simulated performance alternative section R405 and the provision of sections R401 through R404 labeled “mandatory”

Annual energy cost of proposed design not greater than annual energy cost of standard reference home per software calculations submitted by designer. Compliance report for permitting must include:	1. Building street address or other building site identification 2. A statement indicating that the proposed design complies with Section R405.3 3. A site-specific energy analysis report 4. The name of the individual performing the analysis and generating the report 5. The name and version of the compliance software tool	6. 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
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Path 3. Energy rating index (ERI) and Approved Alternatives (R406): MANDATORY FOR STRETCH CODE COMPLIANCE
 Documentation must be submitted prior to issuing building permit. Select one method below.

A. RESNET HERS rating with MA amendments: Preliminary rating based on plans with Index less than or equal to Table R406.4.1

Renewable energy source	Maximum HERS Index	
	New construction	Whole house renovations; additions
None	55	65
Solar PV > 2.5 kW, OR renewable primary heating system	60	70
Solar PV, OR renewable primary heating & solar thermal DHW	62	72
Solar PV & renewable primary heating & solar thermal DHW	67	77

B. Certified ENERGY STAR® homes, version 3.1 (R406.1.2): Preliminary HERS rating based on plans is submitted.

C. Certified Passive House or Passive House US performance method: The submittal shall include a list of compliance features and a statement that the estimated specific space heat demand is based on plans, and shall include the following information:

1. Address or other identification of the residential building. 2. Name of individual completing the compliance report. 3. Name and version of the compliance software tool.	4. An inspection checklist documenting the building component characteristics of the rated design, showing results for both the ERI reference design and the rated design, and documenting all inputs entered by the user necessary to reproduce the results.
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General Mandatory Requirements: APPLIES TO ALL PROJECTS

Boiler temperature setback control indicated in specifications (R403.2) on page # _____

<input type="checkbox"/> Mechanical ventilation rate (R403.6): _____ CFM	Method by which ventilation rate was calculated (select one): <input type="checkbox"/> 1. ENERGY STAR® Homes v3.1 <input type="checkbox"/> 2. ASHRAE 62.2-2013 <input type="checkbox"/> 3. MA amendment formula
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Equipment sizing calculations submitted (Manual J and Manual S), and efficiency rating indicated in specifications (R403.7)

Solar Ready Zone indicated in construction documents on page # _____ (RB103.1 and 103.2) Note: This requirement applies only to new construction of one- and two-family dwellings and townhouses, excluding additions, and has the following exceptions:

1. less than 600 square feet of roof area is oriented between 110° and 270° of true north;
2. buildings with a permanently installed on-site renewable energy system;
3. buildings with a solar-ready zone that is shaded for more than 70 percent of daylight hours annually.

For Re-Roofing and Re-Siding Sheathing Exposure

CIRCLE WHAT APPLIES

Will the wall sheathing be exposed? YES NO (If no please certify by signing below, if yes please answer the next question)

Will the roof sheathing be exposed? YES NO (If no please certify by signing below, if yes please answer the next question)

Is the space above or below the sheathing insulated? YES NO (If yes please certify by signing below, if no please certify that either exception 3 will be met or the prescriptive R-value in the current IECC will be met.)

For Exception # 3, I certify that insulation with an R-Value of 3.5 per inch or more will be installed and that an inspection will be obtained before covering.

Contractor Name _____ Contractor Signature _____ Date _____

Note: It is not the intention to expose roofs or walls to the weather, for unique situations please communicate with the Building Inspector.