## Massachusetts Energy Code Residential New Construction Permit Application and Plan Review Checklist Version 1.0 Version 1.0

Version 1.0  *This page is to be completed by the permit applicant and submitted to the local building department with other required permit application documents.											
	plicant Name:										
Pro	Project Address:										
Select a compliance path (R401.2)											
Path 1 (Proceriptive)											
	aut i (i rescriptive)	☐ Path	12 (EKI a	and Stretch	n Code)	<b>✓</b>	Manda	tory Requ	irements (Al	l projects)	
Path 1. Prescriptive: Sections R401 - R404 & R407: Indicate page number in plans & specifications where details are found:											
		Windows			Wood	Mass		Basement	Slab		
	111 191	& Doors	Skylights	Ceilings	frame walls	walls	Floors	walls	insulation /	Crawlspa walls	
	Option A:	Maximu	ım value				Minimum	value	depth		
	R-value (R402.1.2)	U-0.30	U-0.55	R-49	R-20 or R-13+5	R-13 / R-17	R-30	R-15/	R-10/2 ft.	R-15 /	
	Option B:	Maximum value							R-19		
	Equivalent U-factor (R402.1.4): Must include calculations	U-0.30	U-0.55	U-0.026	U-0.060	U-0.082		U-0.050	U-0.1/2 ft.	U-0.055	
			18				П				
	Option C: Total UA alternative (R402.1.5 plus MA amendment R402.1.5.1)  □ REScheck™ version 4.6.5 or later □ REScheck-Web™										
	Additional Efficiency Packages	(D407.4)	3 3 3 4 1	Пм	ore Efficient H	JVAC per	Formance	A SECTION ASSESSMENT OF THE PARTY OF THE PAR	-vveD		
-	All prescriptive projects must com	ply with on	e of the						100.0.41		
options to the right. Select one.											
Path 2 Energy rating index (ERI) and Assess Late 2											
Path 2. Energy rating index (ERI) and Approved Alternatives (R406): MANDATORY FOR STRETCH CODE (optional path in non-stretch communities). Documentation must be submitted prior to issuing building permit. Select one method below.											
	Option A. RESNET HERS rating with MA amondments Subsitivity										
	based on plans".										
	Table R406.4										
	New construction Whole house renovations; additions										
Note: I	55										
Note: Higher HERS Index scores are permitted for projects that include renewable energy generation. See MA 780 CMR Chapter 11 Table R406.4											
Option B. Certified ENERGY STAR® homes, version 3.1 (R406.1.1): Submittal must include: Preliminary HERS rating, description of energy features, and a statement that the rating index score is "based on plans".											
	Option C. Passive House Institute US or Passive House Institute certification: Submittal must include: WUFI or PHPP compliance report which demonstrates compliance with PHIUS+2018 (or newer) or PHI performance requirements, a statement that the WUFI or PHPP results are "based on plans", and evidence of PHIUS or PHI precedification approved.										
	PHPP results are "based on plans"	ince with Pl	HIUS+201	8 (or newer)	or PHI perfo	rmance re	quiremen	ts, a statem	ent that the W	UFI or	
Genera				100 01 1 11 p	recermication	n approva					
П	Prail Mandatory Requirements (ALL PROJECTS):										
П	Air sealing and insulation to be installed per Table R402.4.1.1										
ī	Blower door test to be completed (R402.4.1.2) Building envelope leakage must be ≤ 3 ACH50										
H	Ducts to be pressure tested by a HERS Rater, HERS RFI, or BPI Certified Pro. Exception: All ducts/air handlers are inside (R403.3.3.)										
Noved	Boiler temperature setback control indicated in specifications (R403.2) on page #										
								Equation 4-1	1 (R406.3)		
	Mechanical ventilation rate (R403	3.6):		CFM V	Method by whi ventilation rate	ch was	2.	. ENERGY STAR® Homes v3.1			
				Ci	calculated (sele	ect one):	3.7	ASHRAE 62.2-2013			
П	deating and cooling load extends the second of the second										
	Heating and cooling load calculations (Manual J) and Equipment Selection report (Manual S) to be submitted (R403.7)										
requirement applies only to new construction of one- and two-family dwellings and townhouses, excluding additions, and have exceptions:								The second second second second		e: This	
								ns, and has the	e following		
	<ol> <li>less than 600 square feet of roof area is oriented between 110° and 270° of true north;</li> <li>buildings with a permanently installed on-site renewable energy system;</li> </ol>										
	3. buildings with a solar-ready zone that is shaded for more than 70 percent of daylight hours annually.										