Residential Stretch Plan Review Checklist: **Energy Rating Index Path**



This checklist is applicable to residential new construction, changes of occupancy to dwelling units, additions greater than 1,000 sqft or 100% of the existing conditioned floor area, and alterations where the work area exceeds 50% of the area of the dwelling unit and is greater than 1,000 sqft or 100% of the existing conditioned floor area.

PROJE	CT INFORMATIO	N				
Applicant Name:			Applicant	Applicant Phone:		
Project	Address:		Date:			
Project		☐ Large Addition	☐ Extensive Alteration	☐ Changes of Occupancy or Use		
				n <i>Plans</i> has been provided.		
	A note indicating t Insulation materials Fenestration U-fac Mechanical system Mechanical and ser Equipment and sys	he energy code com s, depth, and R-value tors and solar heat g design criteria (Man vice water heating s	pliance path is the Energy s ain coefficients (SHGC) ual J, Manual D, and Manu ystems and equipment ty			
	Solar-Ready Zone		ndicated in construction c	documents, or an exception is		
Exc	true north Buildings with Buildings with annually	er 1,000 sqft wellings & townhous a permanently instal a solar-ready zone t	led onsite renewable ener	an 70 percent of daylight hours		
	For one- and two-f is shown. For Grou onsite parking is n	amily dwellings and p R buildings: At lea ot provided, or parki	townhouses with on-site paces of installed spaces ng is separated from the c	parking at least one EV Ready Space are shown as EV Ready. Exception: dwelling by a public right of way. hin six feet of each EV Ready Space		
Fuel typ	<i>oe:</i> Mixed-fuel building	(contains combusti	on equipment or piping fo	or such equipment) piping for such equipment)		
Do the	lectric generation construction documents Yes No	ments include provis	ions for onsite electricity (generation rated at 4 kW or higher?		

Based on the boxes checked above, check the appropriate maximum HERS Index below:

	Maximum HERS Index Score						
Clean Energy Application	New Construction until June 30, 2024	New Construction Permits after July 1, 2024	Major Alterations, Additions, or Change of Use				
Mixed-Fuel Building	□ 52	☐ 42	☐ 52				
Solar Electric Generation		☐ 42	<u> </u>				
All-Electric Building		<u> </u>					
Solar Electric & All-Electric Building		☐ 45					

MANDATORY REQUIREMENTS

	Check with AHJ to determine if the following items will be verified by the code official or by the HERS Rater.						
Complies?			Mandatory Requirements per Table R406.2				
Y N NA							
			R401.3	General Contificate in utility ream or approved location to be installed			
			K401.5	Certificate in utility room or approved location to be installed Building Thermal Envelope			
	Building Thermal Envelope R402.1.1 Vapor retarders installed per MA Residential Code R702.7						
			R402.1.1				
			.	Eave Baffles to be installed in each bay Access hatches and doors to have retainer for loose-fill insulation			
			R402.2.4.1				
			R402.2.10.1	Crawl space wall insulation installation installed per MA Residential Code			
			R402.4.1.1	Installation - Air barrier and insulation installation criteria shown on plans			
Ш	Ш		R402.4.1.2	Testing - Blower door test to be performed. Max 5 ACH50.			
	ı		l	Mechanical			
			R403.1	Controls - At least one thermostat per heating and cooling system Programmable thermostat is specified Heat pump supplementary heat does not operate when not needed			
			R403.3	Ducts (except R403.3.2, R403.3.3, and R403.3.6) □ Ducts outside conditioned space ≥ R-8 (≥ R-6 if duct is < 3" diameter) □ Ducts to be sealed and airtight air handler is specified □ Duct leakage testing to be conducted □ No building cavities to be used as ducts			
			R403.4	Mechanical system piping insulation – Piping > 105F or < 55F to be insulated to R-3			
			R403.5.1	Heated water circulation and temp. maintenance systems have proper controls			
			R403.5.3	Drain water heat recovery units (only if present)			
			R403.6.1	Heat or energy recovery ventilation (HRV/ERV) - HRV/ERV is specified			
			R403.7	Equipment sizing and efficiency rating - Manual J report provided.			
			R403.8	System serving multiple dwelling units - Comply with C403 and C404 (commercial)			
			R403.9	Snow and ice melt systems - Controls specified			
			R403.10	Energy consumption of pools and spas - Heater controls, pool covers			
			R403.11	Portable spas meet APSP 14			
			R403.12	Residential pools and permanent residential spas meet APSP 15			
				Electrical Power and Lighting Systems			
			R404.1	Lighting equipment - All permanently installed lighting to be LED (except kitchen appliance lights)			
			R404.2	Interior lighting controls - Dimmers or occupant sensors specified			
			R404.4	Wiring for electric vehicle charging spaces			

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