Residential Stretch Code Permit Application 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.

PROJ	ECT INFORMATION
Applic	ant Name: Applicant Phone:
Projec	: Address: Date:
Projec	type: New construction
DOCL	MENTATION
	A note indicating the energy code compliance path is the Energy Rating Index Path Insulation materials, depth, and R-values Fenestration U-factors and solar heat gain coefficients (SHGC) Mechanical system design criteria (Manual J, Manual D, and Manual S reports) Mechanical and service water heating systems and equipment types, sizes, and efficiencies Equipment and system controls Duct sealing, duct and pipe insulation and location Air sealing details
	Solar-Ready Zone per Appendix RB is indicated in construction documents on page #, or an exception is selected below with applicable documentation provided. ceptions - Check one if applicable: Additions under 1,000 sqft 1- & 2-family dwellings & townhouses with < 600 sqft of roof area oriented between 110 & 270 of true north Buildings with a permanently installed onsite renewable energy system Buildings with a solar-ready zone that is shaded for more than 70 percent of daylight hours annually Buildings and dwelling units complying with Appendix RC Sections RC102 or RC105
ELEC.	For one- and two-family dwellings and townhouses with on-site parking at least one EV Ready Space is shown. For Group R buildings: At least 20% of installed spaces are shown as EV Ready. Exception: onsite parking is not provided, or parking is separated from the dwelling by a public right of way. Electrical site plan shows wiring from the electrical service to within six feet of each EV Ready Space
Fuel ty Solar e	Mixed-fuel building (contains combustion equipment or piping for such equipment) All-electric building (does not contain combustion equipment or piping for such equipment) lectric generation
Do the	construction documents include provisions for onsite electricity generation rated at 4 kW or higher? Yes No

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	<u></u> 52	☐ 42	<u></u> 52
Solar Electric Generation	<u> </u>	<u> </u>	<u></u> 55
All-Electric Building	<u></u> 55	<u> </u>	<u></u> 55
Solar Electric & All-Electric Building	<u></u> 58	45	<u></u> 58

MANDATORY REQUIREMENTS

Check with AHJ to determine if the following items will be verified by the code official or by the HFRS Rater.

Check w	vith AHJ to de	termine if the following items will be verified by the code official or by the HERS Rater.		
		Mandatory Requirements per Table R406.2		
		General		
	R401.3	Certificate in utility room or approved location to be installed		
		Building Thermal Envelope		
	R402.1.1	Vapor retarders installed per MA Residential Code R702.7		
	R402.2.3	Eave baffles to be installed in each bay		
	R402.2.4.1	Access hatches and doors to have retainer for loose-fill insulation		
	R402.2.10.1	Crawl space wall insulation installation installed per MA Residential Code		
	R402.4.1.1	Installation - Air barrier and insulation installation details shown on plans		
	R402.4.1.2	Testing - Blower door test to be performed. Max 5 ACH50.		
		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		

ENERGY CODE SUPPORT HOTLINE: 855-757-9717

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