NEW CONSTRUCTION DECISION TREE

UPDATED JANUARY 2024

Use this tool to quickly identify key decisions, map out options, and communicate clearly the chosen pathways that demonstrate Massachusetts energy code compliance.

HOW TO USE:

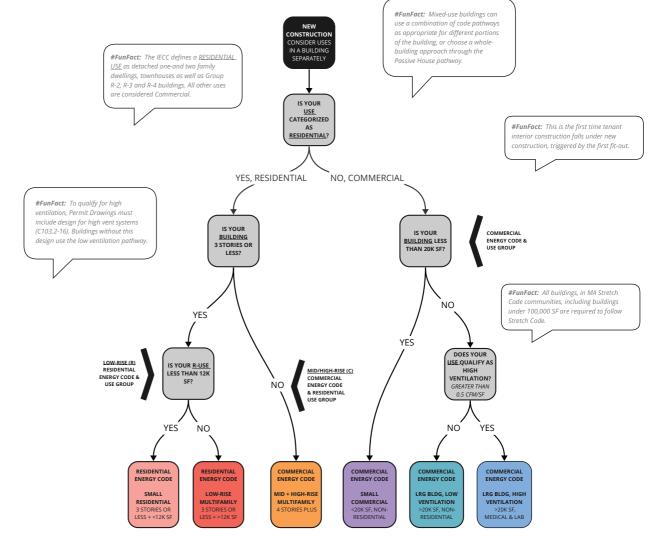
- START with the main decision tree, existing or new construction
- Consider ONE USE at a time, answering questions to
- . IDENTIFY the code "branch"
- Navigate through the appropriate CODE BRANCH by establishing the path that represent your project
- 3. For **MIXED-USE BUIDLINGS**, repeat the process for each use group

The branches do not contain all energy code requirements. Instead, it notes options or decisions which send you down a path. The path points to the relevant code section(s), detailing project requirements.

BE MINDFUL:

The International Energy Conservation
Code (IECC) is a model energy code, which
forms the basis for the Massachusetts
energy codes. The first bucket, the Base
Energy Code, is the minimum required
energy code in Massachusetts. The second
bucket, the Stretch Code, is a stricter
option towns and cities have already
voted to incorporate. The third bucket, the
Specialized Opt-in Code, includes
additional requirements in addition to
the Base and Stretch Code and is
available for municipal vote as of
December 2022.

This effort to map out MA Energy Code compliance pathways does not account for impacts of other codes and ordinances that may apply to projects.

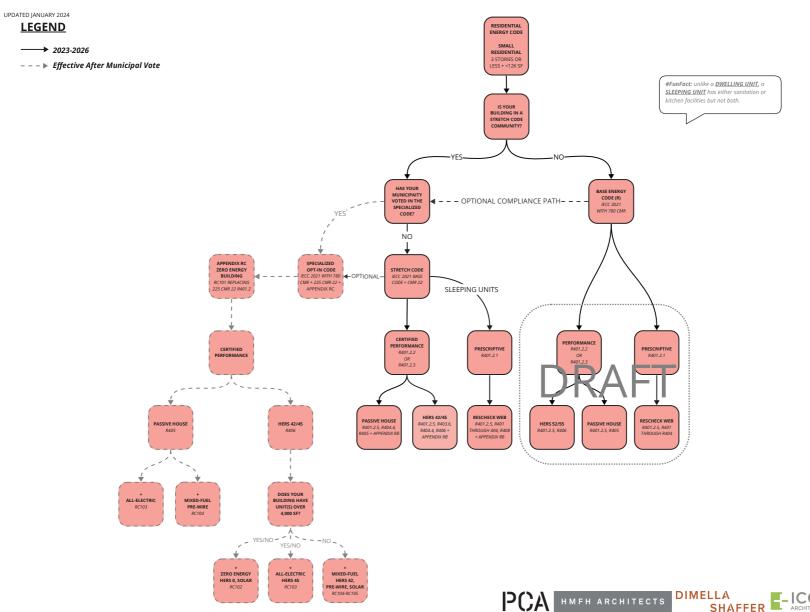




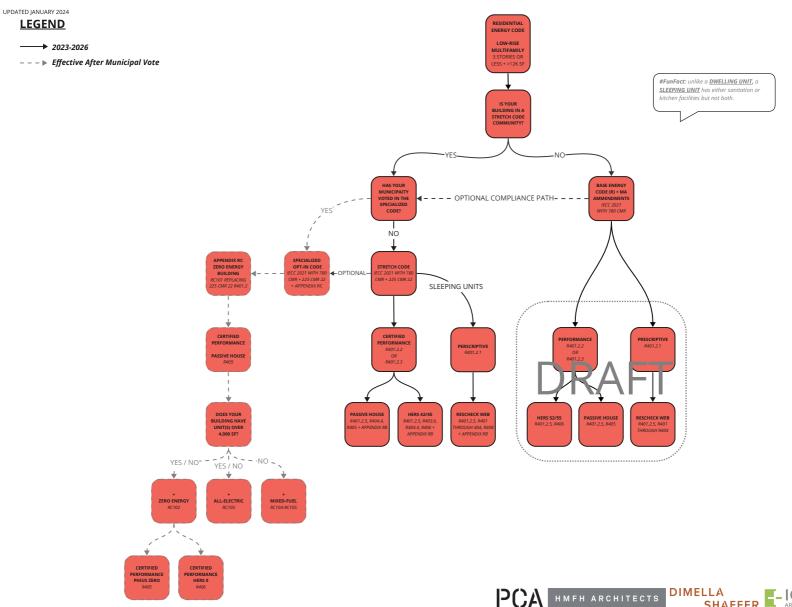




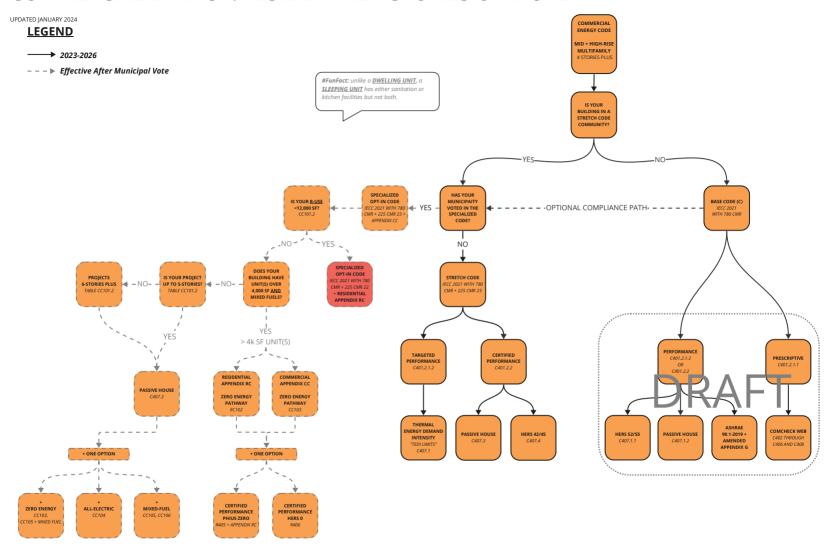
LOW-RISE RESIDENTIAL BRANCH: 3 STORIES OR LESS <12,000 SF



LOW-RISE RESIDENTIAL BRANCH: 3 STORIES OR LESS >12,000 SF



COMMERCIAL BRANCH: RESIDENTIAL 4 STORIES OR MORE



COMMERCIAL BRANCH: <20,000 SF

UPDATED JANUARY 2024 LEGEND **→** 2023-2026 - - - ▶ Effective After Municipal Vote #FunFact: EV and PV readiness is required for all paths in the Stretch and Specialized Opt-in Codes, and requirements vary between the two. -No-STRETCH CODE IECC 2021 BASE CODE + CMR 23 - - OPTIONAL COMPLIANCE PATH -HAS YOUR MUNICIPALITY VOTED IN THE SPECIALIZED CODE? YES SPECIALIZED OPT-IN CODE - - PATH 3 PATH 2

COMMERCIAL BRANCH: LOW-VENTILATION >20,000 SF

UPDATED JANUARY 2024 **LEGEND →** 2023-2026 - - - ▶ Effective After Municipal Vote #FunFact: EV and PV readiness is required for all paths in the Stretch and Specialized Opt-in Codes, and requirements vary between the two -NO - OPTIONAL COMPLIANCE PATH -YES / NO HAS YOUR MUNICIPALITY VOTES IN THE SPECIALIZED CODE? YES SPECIALIZED OPT-IN CODE PATH 3

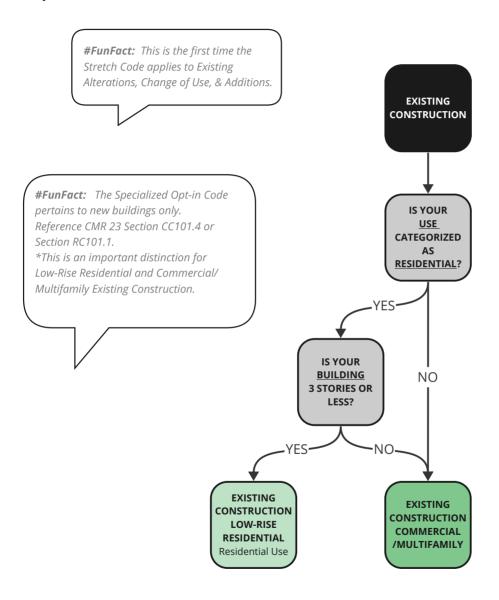
COMMERCIAL BRANCH: HIGH-VENTILATION >20,000 SF

UPDATED JANUARY 2024 LEGEND → 2023-2026 - - - ▶ Effective After Municipal Vote LRG BUILDING #SuperFunFact: To qualify for high HIGH VENTILATION ventilation, Permit Drawings must include design for high vent systems >20K SF, (C103.2-16). Buildings without this design use the low ventilation pathway. #FunFact: EV and PV readiness is required for all paths in the Stretch requirements vary between the two. -NO - - - OPTIONAL COMPLIANCE PATH - -C407.1.2 HAS YOUR MUNICIPALITY VOTED IN THE SPECIALIZED CODE? YES SPECIALIZED OPT-IN CODE #FunFact: Any building in a Stretch COMPLY WITH

RETCH CODE IECC 2021 WITH 780 CMR + 225 CMR 23 NDIX CC (CC103) : CHOOSE A PATH to model ventilation rates as no lower than the ASHRAE 62.1 minimum, high ~ ~ PATH 3 vent buildings are unlikely to choose PATH 1 this path.

EXISTING CONSTRUCTION DECISION TREE

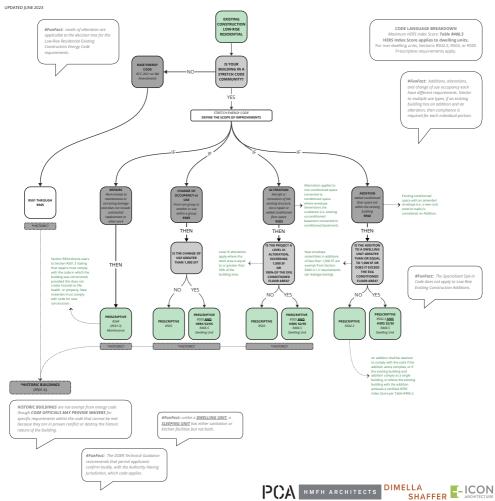
UPDATED JUNE 2023



#FunFact: Energy code defines a <u>RESIDENTIAL USE</u> as detached one-and two family dwellings, townhouses as well as Group R-2, R-3 and R-4 buildings. All other uses are considered Commercial.



EXISTING BRANCH: LOW-RISE RESIDENTIAL 3 STORIES OR LESS



EXISTING BRANCH: COMMERCIAL/MULTIFAMILY

