COMMERCIAL NEW CONSTRUCTION Massachusetts Energy Code 9th Edition Checklist of Required Documentation



(To be completed by the permit applicant)

Applicant Name		Applicant Phone				
Project Address						
Type of Construction:						
□ New Construction	☐ Addition	☐ Alteration	☐ Change of Occupancy			
Select Compliance Pat	h (C401.2):		T. L			
☐ #1: ASHRAE Standard	90.1 or Massachusetts St	retch Code (select one	below):			
☐ Prescriptive : Provide 5, 6,7,8,9.	e plans and specifications d	lemonstrating compliance	e with all measures of 90.1-2016 Section			
Energy Cost Budget 2016 mandatory measures	Energy Cost Budget (Chapter 11): Provide plans and specifications demonstrating compliance with all 90.1-2016 mandatory measures of Section 5 and all measures in 6,7,8,9.					
mandatory requirement	(Appendix G): Provide plants. Provide energy model t. Energy model must be ba	documentation including	monstrating compliance with all properties inputs and outputs of the energy model on 11 of 90.1 2016.			
☐ Massachusetts Stret conditioned warehous	tch Code: All buildings ove	er 100,000 ft², and new so monstrate energy use pe	upermarkets, laboratories and er square foot at least 10% below the			
☐ #2: IECC Prescriptive Prescriptive Prescriptions C402 through C4	ath: Provide plans and spe 105, C406, and C408.	cifications demonstrating	g compliance with all measures of			
☐ #3: IECC Performance P Sections C402.3, C405, C	Path: Provide plans and spe 407, C408. (select one opt	ecifications demonstratin	ng compliance with all measures of			
	ng Index for Multifamily up					
Option 2: Passive Hou	use (PHIUS+18 or PHI)					
Requirements for Chose	en Compliance Path:					
Compliance Path # 1: A	SHRAE Standard 90	1-2016/MA Stretch	Code			
Prescriptive Path and End			THE PERSON NAMED IN POST OF			
Attach COMcheck Report (Code = ASHRAE 90.1)						
Section C406 – Must Include						
C406.5 Persyable Francisco			C406.4 Enhanced Lighting Controls			
☐ C406.5 Renewable Energy ☐ C406.9 Reduced Air Infiltrat		C406.7 High Efficiency				
			C406.11 Type IV Heavy Timber Const.			
Performance Path: Energy			in the Object of			
Compliance report A si	The state of the proposed design complies with Chapter 11 of Appendix G					
for permitting must		f the individual performing the analysis and generating the report				
Massachusetts Stretch Co						
documentation including i	cations demonstrating cominputs and outputs of the er	nergy model and a sumn	ry requirements. Provide energy model mary report. Energy model must be			

Compliance Dath #0.	IFCC Description				
Compliance Path #2:					
☐ Attach COMcheck Repo (Code = 2018 IECC)	rt	Meet C402.3 Rooftop 8 Ready & C405.10 EV F	Solar Ready	☐ Indicate C406 Options Below	
Section C406 - Must In	clude Three (3) option	ns			
☐ C406.2 More Efficient HVAC ☐ C406.3 Reduced LPD ☐ C406.4 Enhanced Lighting Controls					
C406.5 Renewable Ener		The state of the s	ncy SHW	☐ C406.8 Enhanced Env. Perf.	
C406.9 Reduced Air Infil	Itration	Renewable Space Heating	□ C40	06.11 Type IV Heavy Timber Const.	
Compliance Path #3:	IECC Performanc	e			
☐ Attach COMcheck Rep (Code = 2018 IECC)	C405.10 I	2.3 Rooftop Solar Ready & EV-Ready		☐ Meets C405, C407, C408	
Multifamily ERI -based	compliance in acco	ordance with C407.1.1:		GUATE NOT THE STATE OF	
Compliance report for permitting shall	HERS compliance report with score of 55 or lower for each finished residential unit, attested to be 'based on plans'.				
comply with C407.5.1	☐ A site-specific description of unit's energy features				
and C407.6 and include:	☐ The name of the individual performing the analysis and generating the report				
	☐ The name and version of the compliance software tool				
Passive House Institute	US or Passive Hous	se Institute compliance	with C40	7.1.2	
Compliance report for permitting shall comply with C4057.5.2 and	A WUFI or PHPP compliance report showing proposed design complies with PHI/PHIUS+2018 performance requirements, and evidence of precertification approval from PHIUS or PHI.				
C407.6 and include:	☐ Statement that WUFI or PHPP results are based on plans.				
	☐ Certified Passive House consultant verifies compliance.				
Construction Docume	nt Location:				
Indicate primar	Required y locations within the co	I Construction Details	of the follow	wing information:	
		Drawin	g Page(s)	Specification(s)	

Partial and the second	Drawing Page(s)	Specification(s)
Building thermal envelope		
Cross section showing insulation R-values and materials for each building thermal envelope component		
Cross section showing air barrier/air sealing details		O MACHINE
Fenestration U-factors and solar heat gain coefficients (SHGCs)		
Mechanical systems		
Design criteria	9	
Equipment types, sizes and efficiencies		
Controls description		
Pipe insulation		
Fan motor horsepower (hp) and controls		
Economizer description		
Duct sealing, insulation and location		
Service water heating systems		
Equipment types, sizes and efficiencies		
Controls description		
Pipe insulation and location		
Lighting		
Lighting fixture schedule with wattage and control narrative		
Location of daylight zones of floor plans		
Other Compliance Items		
Solar Ready roof zone in accordance with Appendix CA.		
EV Ready Spaces locations in accordance with C405.10		
COMcheck Reports (Mandatory, all Projects)		
7		
☐ Commissioning Plan - Preliminary Commissioning Plan from	m commissioning agent	