PHI Low Energy Building Verification				
	Building:	The Catskill Project Model Home		
		8 Manor Falls Drive		
	Postcode/City:			
	Province/Country:		s of America	
	Climate data set:	Single family residence		
		3: Cool-temperate Altitude of location	n: <b>1500 ft</b>	
		Manor Falls Associates	1. 1500 R	
		245 W/ 29th Street, Suite 1203		
	Postcode/City:	))		
	Province/Country:	NY US-United States	s of America	
Architecture: Buck Moorhead Architect	Mechanical engineer:	Cramer Silkworth / Baukraft Engineering		
Street: 245 W 29th St #1203	Street:			
Postcode/City: 10001 New York	Postcode/City:	· · · · · · · · · · · · · · · · · · ·		Calculation electricity / Internal heat gains
Province/Country: NY US-United States of America	Province/Country:	NY US-United States of America		Building type: 1-Residential building
Energy consultancy: Buck Moorhead Architect	Certification:			
Street: 245 W 29th St #1203	Street:	}		Internal heat gains
Postcode/City: =F19 New York	Postcode/City:	6		Utilisation pattern: 10-Dwelling
Province/Country: NY US-United States of America	Province/Country:	Įį		Values: 2-Standard
Year of construction: 2020 Interi	or temperature winter [°F]:	68.0 Interior temp. summer [°F		
No. of dwelling units: 1 Internal heat gains (IHG) I		0.77 IHG cooling case [BTU/(hr.ft <sup>2</sup> )	]: 0.77	Occupancy
No. of occupants: 3.0 Specific ca	pacity [BTU/F per ft <sup>2</sup> TFA]:	10.6 Mechanical cooling	g: x	5 1-Standard (only for residential buildings)
Specific building characteristics with reference to the treated floor area				
		Alternative		
Treated floor area ft <sup>2</sup> 1713	I.	Criteria criteria	Fullfilled? <sup>2</sup>	
Space heating Heating demand kBTU/(ft <sup>2</sup> yr) 9.12	≤	9.51 -		
Heating load BTU/(hr.ft <sup>2</sup> ) 5.61	≤		yes	
Space cooling Cooling & dehum. demand kBTU/(ft²yr) 6.42	≤	9.51 -		
Cooling load BTU/(hr.ft²) 5.41	≤		yes	
Frequency of overheating (> 77 °F) %	≤	-	-	
Frequency of excessively high humidity (> 0.012 lb/lb) %	≤	10	yes	
Airtightness Pressurization test result n <sub>50</sub> 1/hr 0.6	≤	1.0	yes	
Non-renewable Primary Energy (PE) PE demand kBTU/(ft²yr)	≤		-	1-PE-factors (non-renewable) PHI Certification
PER demand kBTU/(ft <sup>2</sup> yr) 21.54	≤	24 24		(Selected primary energy factors for calculation of PE demand)
Primary Energy Generation of renewable Renewable (PER) energy (in relation to pro-jected kBTU/(ft <sup>2</sup> yr) 13.40	2		yes	
building footprint area)		II		
		<sup>2</sup> Empty field: Data	missing; '-': No requirement	] Duilding operaturates derd
I confirm that the values given herein have been determined following the PHPP methodol	ogy and based on the cha	aracteristic		Building energy standard
values of the building. The PHPP calculations are attached to this verification.		PHI Low Energy Building?	-	3-PHI Low Energy Building
Task: First name:		Sumame:	Signature:	Class
Issued on:		City:		Verification of primary energy
				2-PER (renewable)
				EnerPHit verification method
				New building / Refurbishment
				r-vew building