

Part L Specification

BER IS NOT PUBLISHED

Property Details			
Dwelling Type	Detached house	Type of BER rating	New Dwelling - Provisional
Address line 1		Year of Construction	2020
Address line 2		Date of Assessment	23/02/2021
Address line 3	,	Date of Plans	
County		Planning Reference	
Eircode		Building Regulations	2019 TGD L
BER Number		MPRN No.	0
Purpose of Rating	New dwelling for owner	Is MPRN shared with	N/A
	occupation	another dwelling?	
Assessor Name		Assessor Number	102595
Comment	Heat pump & MVHR to be designed and sized by	BER number assigned to shared dwelling	N/A
er er til til til	suppliers consultant.	Sinaron directing	

Dimension Details

Area	[m²] Height [m]	Volume [m³]	
Ground Floor 242.4	40 2.77	671,45	
First Floor 0.00	0.00	0.00	
Second Floor 0.00	0.00	0.00	i di se
Third and other 0.00 floors	0.00	0.00	42
Room in roof 0.00	0.00	0:00	
Total Floor Area 242.4	40	671.45	8
Living Area [m²]	93.66	Living area percentage [%] 38.64	
No of Storeys	/ 1		Contract to the second
Ventilation Details			er de Arrica Arrica Arrica Arrica Arrica Arrica
	Number		and an angular periodic plane in quality of a contract an analyzing collection of system algorithm and an anal
Chimneys	0	Has permeability test been carried out?	Yes
Open Flues	0	Structure type	N/A
Fans & Vents	1	is there a suspended wooden ground floor?	No
Number of flueless combus heaters	stion room ⁰		
is there a draught lobby on entrance?	main No	Number of sides sheltered	≥ ``0 = r
Ventilation method	Balanced whole house mechanion ventilation with heat recovery	Mechanical Ventilation Manufacturer	ProAir
Specific fan power [W/(L/s)	2 222	Mechanical Ventilation Model Name	PA600LI
Heat exchanger efficiency	90.00	How many wetrooms (incl. kitchen)?	Kitchen and 4 wet rooms, rigid
			ducting



Building Elements - Floor Details

					- State Colonial Co.
Type	Description	Underfl heating		K] Area [m²]	
Ground Floor - Solid	150mm Xtratherm XT-UF	Yes	0.12	242.4	a Station stations

Building Elements - Roof Details

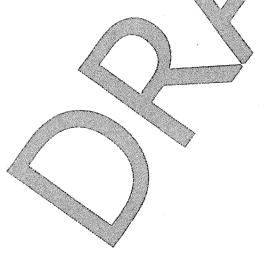
1950 MANAGER STREET, AND			and the control of th
Туре	Description	U-Value [W/m²K]	Area [m²]
Pitched Roof - Insulated on Ceiling	400mm Quilt between and over joists	0.12	232.4
Pitched Roof - Insulated on Ceiling	Walkway Platform - 150mm Quilt between joists & 100mm Xtratherm XT-PR over	0.13	10

Building Elements - Wall Details

Туре	Description भ		U-Value	[W/m ² K] Area [m ²]
300mm Cavity	145mm Xtratherm Cavitytherm CT-PI	/ //	0.14	186.89

Building Elements - Door Details

	A STANFORM AND CONTRACTORS		- William Programme Communication	
Description	/	Number of Doors	Ų-Valu	ıe [W/m²K] Area [m²]
Front door - T.B.C.	11	1	1.4	3.780
Rear door (T.B.C.)		1//	1.4	1.890





Building Elements - Window Details

Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Triple-glazed, argon filled (low-E, en = 0.15, hard coat)	izing type	User defined u- value	U-Value [W/m²K]	Area [m²]
Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 3.290 Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 1.050 Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 8.580 Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 12.600 Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 1.260 Triple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 3.150	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	13.800
riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 1.050 riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 8.580 12.600 riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 1.260 riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 1.260 7.850 1.260 7.850 3.150	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	
riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 8.580 12.600 riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 12.600 1.260 riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 3.150	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	3.290
riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 12.600 iple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 1.260 iple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 3.150	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	1.050
riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 1.260 riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 3.150	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	8.580
riple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0.850 3.150	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	12.600
	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	1.260
ple-glazed, argon filled (low-E, en = 0.15, hard coat) Yes 0,850 3.250	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	3.150
	ple-glazed, argon filled (low-E, en = 0.15, hard coat)	Yes	0.850	3.250
			7	





hermal bridging factor [W/m²k]	0.1500	Thermal mass category of dwelling	Medium-hig
leating System - Solar Water	Heating		
olar Water Heating Present?	No	Aperture area of solar collector [m	1 ²] N/A
ype, manufacturer, model	N/A		
ero loss collector efficiency, n0	N/A	Collector heat loss coefficient, a1 [W/m²>K]	N/A
nnual Solar Radiation [kWh/m²] Refer to Appendix H in DEAP)	N/A	Overshading factor	N/A
edicated storage volume [Litres]	N/A	Combined Cylinder	N/A
olar fraction [%]	0.000		
leating System - Hot Water Sy	/stem		>
istribution Losses	404.79	Combi boiler present?	No
upplementary electric water eating	N/A	Water Storage Volume [L]	230
ot water storage manufacturer and nodel name	Daikin EHVH08S23D6V(G)	Declared loss factor [kWh/d]	1.40
emperature factor unadjusted	0.89	Temperature Factor Multiplier	0.81
rimary Circuit loss type	Boiler and thermal	store within a single-casing (cylinder ther	mostat present)
hot water storage indoors or in roup heating system?	Yes	Insulation type	None
sulation thickness [mm]	0		
leating System - Dist. system	losses and gain	S	
emperature adjustment 0°C]	Control Gategory	³ Responsivene	ss category
entral heating pumps 1	Oll Boiler Pump	Oil boiler pum dwelling	p inside
as boiler flue fan	Warm air heating o		



Heating System - Energy Requirements (Individual)

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Main space heating system efficiency [%]	480.19	Space heating efficiency adjustment factor	1.0000	Main space heating fuel	Electricity
Main water heating system efficiency [%]	229.67	Water heating efficiency adjustment factor	1.0000	Main water heating fuel	Electricity
Secondary heating system efficiency [%]	70	Fraction of heating from secondary heating system	0.10	Secondary space heating system fuel	Solid Multi- Fuel
Fraction of main space and water heat from CHP	N/A	Electrical efficiency of CHP	N/A	Heat efficiency of CHP	N/A
CHP Fuel type	N/A		/		

Summary for Part L Conformance (Applies to TGD L 2008/2011/2019 for new dwellings only)

BER Number		Building Regulations	2019 TGD L
BER Result	A2	Energy Value kWh/m²/yr	45.84
CO ₂ emissions [kg/m²/yr]	9.98		
EPC	0.283	EPC Pass/Fail	Pass
CPC	0.290	CPC Rass/Fall	Pass

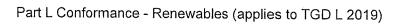
Part L Conformance - Fabric

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Conformity with Maximum avg U-value requirements	U-value [W/m²K]	Pass/Fail	Conformity with Maximum U-value requirements	U-Value [W/m²K]	Pass/Fail
Pitched roof insulated on ceiling	0.12	Pass \	Roofs	0.13	Pass
Pitched roof insulated on slope	0	Pass	Walis	0.14	Pass
Flat Roof	0	Pass	Floors	0.12	Pass
Floors with no underfloor heat	0.00	Pass	External doors / windows / rooflights	1.40	Pass
Floors with underfloor heat	0.12	Pass			
Walls	0.14	Pass			
Percentage of opening areas [%]	23.06				
Average U value of openings	0.91	Pass			

Permeability test carried out and meets guidelines in TGD L

0.15 | Pass





	Source	Renewables Primary Energy	Total Primary Energy	RER
+ Delivered energy	PV/Wind	0.00	0.00	
+ Delivered energy	Other	0.00	0.00	
+ Delivered energy	Solar	0.00	0.00	
+ Delivered energy	Biomass	0.00	0.00	
+ Delivered energy	Biodiesel	0.00	0.00	
+ Delivered energy	Bioethanol	0.00	0.00	
+ Environmental energy	НР	9342.17	9342.17	
+ Saved energy	СНР	0.00	0.00	
+ District heating	District Heating	0.00	0.00	
+ Delivered energy	Grid	0.00	9421.57	
+ Delivered energy	Thermal	0,00	1690.45	
SUBTOTAL		9342,17	20454.20	0.46 - Pass
Energy not used in Regulated Loads	PV/Wind/CHP	0.00	0.00	ethyddiaeth (190 an Chail (1904 air ar Ghallann ac a'r chair beddhlain yr fer ollfag y car chair ga
TOTAL		9342.17	20454.20	0.46

