



Building Regulations 2013 L2B			Ham Brewery Tap								
Building Type	Address			As-Designed/ As-Built Drawings	SBEM Level	Weather File	Proposed	Notional	BER/TER Improvement (%)		
<b>D1: Primary Health Care Building</b>	4-6 Ham Street, Richmond, TW10 7HT			As Designed	5	London	45.90	84.50	45.68%		
Construction Element	U-Value	L2B	Description								
External Wall	1.70	-	Solid brick as built, U-value as per SAP Appendix S								
Exposed Roof	2.30	-	Flat roof, U-value as per SAP Appendix S								
Ground Floor	0.58	-	Solid ground floor, U-value as per SAP Appendix S								
Construction Element	U-Value	L2B	G Value	Frame Factor	Description (manufacturer, make and model)						
Windows	4.8	-	-	10%	Single glazed window, whole window U-Value						
Glazed Doors	4.8	-	-	10%	Single glazed door, whole window U-Value						
Solid Door	3	-	n/a	n/a	Whole door U-Value as per SAP Appendix S						
Construction Notes	U-Value										
Construction Details	Air-permeability										
	25 m <sup>3</sup> /hr/m <sup>2</sup>				Default air permeability for buildings built to Building Regulations pre 1995						
Heating and Cooling	System Details				Emitter	Controls					
Heating System	VRF heating/cooling: Average SEER 6.1, EER 3.23, SCOP 4 1 x Midea M30F27HFN8-Q: SEER 6.1, EER 3.23, SCOP 4 2 x Midea M40E-28HFN8-Q: SEER 6.1, EER 3.21, SCOP 4 1 x Midea M20D-18HFN8-Q: SEER 6.1, EER 3.24, SCOP 4				Ceiling/Wall cassettes	Central time control and local temperature control					
Hot Water	System Details				Secondary Circulation	Circulation Losses (W/m)	Pump Power (kW)	Loop Length (m)	Storage Tank (l)	Storage Losses (kWh/l.day)	Delivery Efficiency
Hot Water System	Gas combi boiler: Minimum efficiency of 89%				N	N/A	N/A	N/A	20	0.0047 (TBC)	0.95
Ventilation	System Details				SFP (W/l/s)	DCV Type	Heat Recovery	Heat Recovery Efficiency (%)	Heat Recovery Type	Variable HR	
Mechanical Ventilation	Standard extract from WC				0.30	N/A	N	N/A	N/A	N/A	
Electrical Flow Control	Description										
Power Correction Factor	N		<0.9								
Separate Metering	N		N								
Renewables	Description										
PV	N										
Solar Water Heating	N										
Wind Turbine	N										
Lighting	Description										
Lighting	Average light efficacy of 100lm/W, LOR=1										
Lighting Controls	None										
Parasitic Power	N/A										
Sign Off of details	Name	Yin Mui Tang		Date	12.04.2022	By signing this document, I declare that the aforementioned details are all correct as per the final "as designed" specifications:		Name			Date
								Sign			