

Interbridges Site										sre	
Building Regulations 2021 Part L V2											
Building Type		Address			As-Designed/ As-Built Drawings		SBEM Level	Asset Rating (A-G) (0-150)	Green BER	TER	CO ₂ e Emission Rate Improvement (%)
Misc. B8 Storage or Distribution		Interbridges, New Brighton Road, Emsworth			As Designed (Stage 2)		5	A 9	2.16	3.36	35.71%
Construction Element		U-Value	Description								
Ground Floor		0.12	500mm Reinforced Concrete Slab, 150mm PIR Insulation (0.020 W/mk), 50mm Screed - Assumed by SRE								
External Walls - Blockwork		0.18	Blockwork (Inner - 100mm & Outer - 102.5mm), 100mm PIR Insulation board (0.022 W/mK) - Assumed by SRE								
External Walls - Cladding		0.18	100mm Composite Panels/ Metal Cladding (0.018 W/mk) - Assumed by SRE								
Pitched Roof		0.12	150mm Composite Panels/ Metal Cladding (0.018 W/mk)- Assumed by SRE								
Internal Partitions		-									
Internal Partitions		Blockwork construction - Assumed by SRE									
Construction Element		U-Value	G Value	Frame Factor	Description (manufacturer, make and model)						
Vehicles access door		1.30	-	-	To be confirmed at Detailed design stage						
Rooflights		1.60	0.4	15%	Assumed to be Kingspan Daylight Trapezoidal Rooflights Clear						
Windows and Glazed doors		1.40	0.4	15%	To be confirmed at Detailed design stage						
Construction Notes		Description (manufacturer, make and model)									
Air-permeability		5 m ³ /(h.m ²) at 50 Pa - EPC Conventions									
Heating and Cooling		System Details			Location		Emitter			Controls	
Heating/Cooling system 1		Split VRF System by air source heat pumps (SCOP 3.8, SEER 5.1, EER 5.1 - or equivalent)			Occupied spaces and circulation areas		Wall/Ceiling Cassettes			Local Time and Temperature	
Hot Water		System Details			Secondary Circulation	Circulation Losses (W/m)	Pump Power (kW)	Loop Length (m)	Storage Tank (l)	Storage Losses (kWh/l.day)	
Domestic Hot Water System 1		Instantaneous electric water heater			-	-	-	-	NA	NA	
Ventilation		System Details			SFP (W/l/s)	Leakage tested ductwork CEN Classification	AHU CEN leakage standards class	Heat Recovery	Heat Recovery Efficiency (%)	Heat Recovery Type	Variable HR
Mechanical Ventilation - Extract		Local extract - WCs			0.3	-	-	-	-	-	-
Electrical Flow Control		Description									
Power Correction Factor		N	<0.90								
Separate Metering		Y	Separate metering for the heating, cooling, lighting and domestic hot water (TBC)								
Renewables		Description									
PV		44m ² Block A & 8m ² Block B (Pitch - <10 Degrees and Nominal efficiency of 20%)									
Solar Water Heating		N									
Wind Turbine		N									
Lighting		Description									
Lighting		Efficient LED fittings throughout Warehouse area - 150lm/W ; Office area - 120 lm/W									
Lighting Controls		PIR Sensors in WC and auto-dimming in Mezzanine									
Parasitic Power		0.1 W/m2 assumed for stand-alone/combined sensors - no information otherwise									
Sign Off of details		Name	Manas Bane	Date	06.12.2024	By signing this document, I declare that the aforementioned details are all correct as per the final "as build" specifications:		Name	Sign	Date	