adaile of Dafankisharant New Davelling and			IV	lajor R	efurbishme	nt Non-Dwel	ling
etails of Refurbishment Non-Dwelling pro ame of applicable buildings / blocks / units		ırk Gardens, Belsiz	ro Pork Lo	ndon NIM	2 4811	1	
loor area (GIA) m2	1,441	irk Garderis, beisiz	e raik, Lo	ilidoli, invi	3 4110	1	
						:	
Energy Statement						justification / Information	Further notes
•					Supporting	illomiation	
					Document	Page/ section	See GLA Energy Assessment Guidance & Camden Planning Guidance (CPG) on Energy
Carbon Reductions SAP10.2					Document	reference	Efficiency for detailed guidance.
Ctomo	Stage						
reduction re	duction,						
per armum tCO2	%						Referables should also complete GLA Carbon emission reporting spreadsheet
Baseline 7.48						P15 - Modelling R	
	30.6%				MEP Sustainabil	P15 - Modelling R	Should not increase. 15% reduction in CO2 at be lean
	00.0%				MEP Sustainabil	P15 - Modelling R	Relevant if connecting to or creating a Heat Network only (London Plan Policy SI 3)
e Green 4.98 -4.98 TOTAL 4.98 2.50	0.0% 33.4%						Greatest possible reduction after energy efficiency measures incorporated
Target N/A N/A	N/A				MEP Sustainabil	P15 - Modelling R	Major refurbishments should aim for the greatest possible reduction, as close to zero carbon as possible.
Shortfall N/A N/A	N/A						possible.
Officet	7477						
ayment N/A							
Regulated and whole life carbon emissi	ons						CPG Energy Efficiency and Adaptation Chts 6 & 9
gulated and whole life carbon		Yes / No					
Worksheets provided (BRUKL for each stage)		Yes			MEP Sustainabil	Appendix 2-4	This should include baseline calculations. Required for referrable applications or if there is 'substantial demolition'. Refer to GLA Whole Life
Vhole Life Carbon Assessment provided		Yes	J		MEP Sustainabil	P16-17 - Carbon	Required for referrable applications or if there is substantial demolition. Refer to GLA whole Life Carbon Assessment Guidance.
Be Lean							Galbon Albodoshioni Galdanoo.
Building Fabric		Yes / No					
leets all Building Regulation part L2 Limiting F	abric Parameters	Yes			MEP Sustainabil	P8 - Table 1	Clearly justify if not met
Meets all Part L2 Notional Non-Dwelling Specif	fication	Yes 3	0///0) O FOD-	MEP Sustainabil MEP Sustainabil	P8 - Table 1	Clearly justify if not met
What is the proposed Air permeability? Active design measures		Yes / No	m3/(n·m2	() @ 50Pa	MEP Sustainabil	P8 - Table T	
fficient centralised MVHR or individual units no	ext to external wall	Yes			MEP Sustainabil	P9 - Ventilation ar	nd Passive Cooling
		•	-				· ·
Be Clean			7				Camden Local Plan Policy CC1, London Plan SI 3, CPG Energy Efficiency and Adaptation
tential decentralised energy network		Yes / No					Chapter 4 (includes link to Camden's Borough Wide Heat Demand and Heat Source Mapping
s the site within 500m of existing network? f no to a) Within 1km of existing or potential n	ohuork?	No Yes			MEP Sustainabil MEP Sustainabil	Appendix 1	State location & detail feasibility of connection. State location & detail future proofing of connection.
f yes to b) Future proofing checklist completed		No			IVIER Sustainabil	Appendix i	See Appendix 3 of CPG Energy Efficiency and Adaptation
ls a site wide heat network proposed?		No					
CHP and District Heating Feasibility Checklist	completed?	No					
Pa Croon							Landon Blan Ballou SL2 Comdon Lacal Blan Ballou CC4 and acation 8 44
Be Green			Expected	COP (at			London Plan Policy SI 2 ,Camden Local Plan Policy CC1 and section 8.11
			tCO ₂	rating			
finimum 20% reduction in CO2 from on-site rer energy technologies	newable Viable (Yes	Proposed (kW)	saved	conditio			A robust renewable feasibility assessment should be completed and installation of renewable
energy technologies	/NO)		per	ns in BS FN			technologies should be maximised. See Chapter 5 of the CPG on Energy Efficiency and Adaptation.
			annum	14511-			
Solar PV (photovoltaics)	Yes	6.075	612		MEP Sustainabil	P16-17 - Carbon	Detail array size, layout drawings, estimated generation, CO2 savings, overshadowing assessment.
Solar Thermal (water heating)	No	150	1510	2.0	MED Custain to	D46 47 Cod	Details required include type of system / details of the Coefficient of Performance (COP) and Energy
Air source heat pump (air to water) Air source heat pump (air to air)	Yes No	150	1548	3.2	wer Sustainabi	P16-17 - Carbon	Details required include type of system / details of the Coefficient of Performance (COP) and Energy Efficiency Ration (EER) / CO2 savings / noise and visual effects / commitment to monitoring the
Ground source heat pump	No						performance post-construction /information to and control by end-users
Other please state							
Other please state							Details required technical details, CO2 savings, air quality impacts, visual or noise implications
Po Soon							
Be Seen Building management, metering and monitorin	ig	Yes / No	1				London Plan Policy SI 2, Camden Local Plan section 8.28, CPG Energy Efficiency and Adaptation
Vill there be a whole-building energy managen		Yes			MEP Sustainabil	P10 - 4.4 Be Seer	
Vill all units be individually metered?		Yes			MEP Sustainabil	P10 - 4.4 Be Seer	
Will key plant be monitored post construction?		Yes (No.			MEP Sustainabil	P10 - 4.4 Be Seer	
Be Seen reporting requirements to Greater Lo equired data will be uploaded to GLA 'Be See		Yes / No					See GLA Be Seen Energy Monitoring Guidance.
equired data will be uploaded to GLA 'Be See	en portari	res	J				
ustainability Statement						justification /	Further notes
					supporting	Information	
					Document	Page/ section	
Overheating					Document	reference	Local Plan Policy CC2, London Plan Policy SI 4, GLA Energy Assessment Guidance Chapte
Overheating / Yes / No					MED O	DO 445	00145
a. Applied cooling hierarchy, passive design measures included? C. Overheating - dynamic thermal modelling completed?							See GLA Energy Assessment Guidance Chapter 8. Design must be informed by the cooling hierarchy, passive design measure should be
c. Overheating - dynamic thermal modelling completed? d. Is active cooling proposed? Yes							incorporated before any active cooling.
assive measures		Yes / No					CPG Energy Efficiency and Adaptation Cht 3
Orientation and site layout optimised		Yes					(Reduce Energy Demand)
Units at least dual aspect and designed to allow	v natural ventilation	No			MEP Sustainabil	P8 - 4.1 Be Lean	Reduce Energy Demand)
Solar shading incorporated into the design		Yes					

Secondary Control of Circular Economy	v. Exposed internal thermal mass and night time purge ventilation	Yes			MEP Sustainabili	P8 - Solar Shadin	g & Glazing Positions
Material and waste Response a Pre-demolition audit completed? No N	v. Other please state						Details should be set out as in 7.5 & 7.6 of GLA Energy Assessment Guidance
Material and waste Response No No No No No No No N	Reducing Waste and the Circular Economy						
No conversion of existing building sufficements with the existing buildings can't be retained Local Plan policy CC1. NA conversion of existing building sufficement demolition must be string buildings can't be retained Local Plan policy CC1. NA conversion of existing building MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled? 95 % MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled London Plan Policy SI7 MEP sustainable Page 18 9% of construction and demolition waste should be reused/recycled		Resnonse					Local Plan Policy CC1 London Plan SL7 CPG Energy Efficiency and Adaptation Cht 9
No No No No No No No No					N/A = conversion	of existing building	
MEP Sustainabil Page 18 MS of exexuation waste be reused/recycled? MEP Sustainabil Page 18 ME							
MEP Sustainabil Page 18 No			%	1			
Recuired if referable to the Mayor, London Plan policy S17 Ni			%	i			
Green infrastructure and biodiversity a. Green plue roof b. Green roof c. Green wall d. Vegetated \$Usb features i.e. Rain Gardens, Tree pits a. Greywater/rainwater harvesting capacity proposed b. Greywater/rainwater harvesting capacity proposed b. Greywater harvesting capacity proposed c. Rainwater harvesting system feasibility assessment? c. Rainwater harvesting system feasibility assessment? c. Rainwater harvesting capacity proposed c. Rainwater harvesting system feasibility assessment? c. Rainwater harvesting system feasibility assessment? c. Rainwater harvesting capacity proposed c. Rainwater harvesting system where such a system is not feasible or practical, developers must demonstrate to the Council's satisfaction that this is the case.' Local Plan Policy C5, CPG Energy Efficiency and Adaptation Chr The Council will expect all developments to incorporate green infrastructure niless it, demonstrated to the Council Plan C12, London Plan Policy G5 Energy Efficiency and Adaptation Chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation Chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation Chapter 10 & Lon		No	,,,	'			
Green infrastructure and biodiversity a. Green plue roof b. Green roof c. Green wall d. Vegetated \$Usb features i.e. Rain Gardens, Tree pits a. Greywater/rainwater harvesting capacity proposed b. Greywater/rainwater harvesting capacity proposed b. Greywater harvesting capacity proposed c. Rainwater harvesting system feasibility assessment? c. Rainwater harvesting system feasibility assessment? c. Rainwater harvesting capacity proposed c. Rainwater harvesting system feasibility assessment? c. Rainwater harvesting system feasibility assessment? c. Rainwater harvesting capacity proposed c. Rainwater harvesting system where such a system is not feasible or practical, developers must demonstrate to the Council's satisfaction that this is the case.' Local Plan Policy C5, CPG Energy Efficiency and Adaptation Chr The Council will expect all developments to incorporate green infrastructure niless it, demonstrated to the Council Plan C12, London Plan Policy G5 Energy Efficiency and Adaptation Chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation Chapter 10 & London Plan Policy G5 Energy Efficiency and Adaptation Chapter 10 & Lon	O						
a. Green/blue roof D. Green wall D. Green wall was a Green wall Adaptation chapter 10 & London Plan Dicipos Please refer to CPG D. Green wall Adaptation chapter 10 & London Plan Policy GS D. Green y HAF Flood Risk Chapter 5 MHA Flood Risk Chapter 5 MH		A 2	ı				Camdon Local Blan CC2 London Blan Bolicy GE CBG Energy Efficiency and Adaptation Cht
Description of the proof of the							
Second Plan Collimate Change Score Second Plan Collimate Change Second Plan		-			MKA Ecology Us	Page 15	
MHA Flood Risk Chapter 5 MHA Flood Risk Chapte		202			WINA ECOLOGY OF	raye 10	
MAF Flood Risk Chapter 5		22			MHA Flood Riek	Chanter 5	
10. Water Response Unit Local Plan CC3 + section 8.55, London Plan SI 13							(London's last's oldy ody
Response Unit No Orgewater/ranwater harvesting system feasibility assessment? No Orgewater harvesting capacity proposed Om Om The Camden Local plan section 8.55, London Plan SI 13 The Camden Local plan section 8.55 states Major developments and high or intense water use developments, such as hotels, hostels and student housing, should include a grey water and rainwat harvesting system. Where such a system is not feasible or practical, developers must demonstrate to the Council's satisfaction that this is the case.' Local Plan PC3 + section 8.55, London Plan SI 13 The Camden Local plan section 8.55 states Major developments and high or intense water use developments, such as hotels, hostels and student housing, should include a grey water and rainwat harvesting system. Where such a system is not feasible or practical, developers must demonstrate to the Council's satisfaction that this is the case.' Local Plan POIcy C2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan POIcy C3 and section 8.55, London Plan SI 13 The Camden Local plan section 8.55 states Major developments, such a system is not feasible or practical, developers must demonstrate to the Council's satisfaction that this is the case.' Local Plan POIcy C2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C2 and section 8.65 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C3 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C3 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C3 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C3 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C3 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C3 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C3 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy C3 and section 8.46 to 8.4	S. Other Oreen initiastructure picase state.	- "			WITTEN TOOG TRISK	Onapici o	
Response Unit Nesponse Unit Ne	10. Water						
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o. Greywater harvesting capacity proposed 0 m³ developments, such as hotels, hostels and student housing, should include a grey water and rainwat harvesting appacity proposed 1. Adapting to Climate Change REEAM - Overal 2. Overall rating 3. Overall rating 5. Cherry 1.63 Cherry 1.63 Available credits Available credits 4. Verse 2. Energy 2. Energy 3. Water 3. Overall secure to the council's satisfaction that this is the case.¹ Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11 Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Ef		No		•			The Camden Local plan section 8.55 states 'Major developments and high or intense water use
c. Rainwater harvesting capacity proposed 11. Adapting to Climate Change BRECAM - Overal Score 12. Overal Score 13. Overal Score 14. Overal Score 15. Eight/versa BREEAM Pre-Assessm 16. Energy Capacity 17. Water Second 18. Overal Score 19. Score 10. Overal Score 10. Sco		0	m ³]			developments, such as hotels, hostels and student housing, should include a grey water and rainwate
## Councils satisfaction that this is the case. ### Councils satisfaction that this is the case. ### Councils satisfaction that this is the case. ### Councils satisfaction that this is the case. Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11	Rainwater harvesting capacity proposed	0	m ³	1			
BREAM - Overall A. Overall rating Bream - Overall ra	3			'			the Council's satisfaction that this is the case.'
a. Overall rating b. Overall % score c. Energy b. Owarter b. Owarter c. Energy c. Energy c. EightVersa BREEAM Pre-Assessm c. EightVersa BREEAM Pre-As	11. Adapting to Climate Change						
20. Overall % score	BREEAM - Overall	Score]			Local Plan Policy CC2 and section 8.46 to 8.49 CPG Energy Efficiency Cht 11
BREEAM - Categories Available credits Targeted % Energy 26 18 69;2% EightVersa BREEAM Pre-Assessm At least 60% of unweighted credits I. Water 8 6 75,0% EightVersa BREEAM Pre-Assessm At least 60% of unweighted credits	a. Overall rating	Excellent			EightVersa BREEAM Pre-Assessm		At least BREEAM Excellent Is required for 500sqm or more floorspace
c. Energy 26 18 69.2% EightVersa BREEAM Pre-Assessm At least 60% of unweighted credits d. Water 8 6 75.0% EightVersa BREEAM Pre-Assessm At least 60% of unweighted credits	o. Overall % score	71.69			EightVersa BREEAM Pre-Assessm		More than 70% required to meet 'Excellent'
d. Water 8 6 75.0% EightVersa BREEAM Pre-Assessm At least 60% of unweighted credits	BREEAM - Categories	Available credits	Targeted	%			
	c. Energy	26	18	69.2%	EightVersa BREI	EAM Pre-Assessm	At least 60% of unweighted credits
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