					Key: Blue = Evidence already provided
					Red = Evidence Outstanding
					Purple = NRG to calculate
		Cuality	0t		Evidence to be Drevided
Section		Credits	Out	Current Site Compliance	Evidence to be Provided
Section		Awarded	ОJ		
				A 27% improvement over the Part L 2013 baseline has been achieved.	NRG SATISFIES
ENE 1	DER	3.6 - 3.8	10	This exceeds the minimum standards for Code Level 4 and meets Planning Condition 32	
				7 Credits have been awarded after an FEE score of 38.8 kWh/m²/year was achieved for Block F.	NRG SATISIFES
				3.1 credits have been achieved for Block G (47.5 kWh/m ² /year)	
				3.5 credits have been achieved for Block H (46.5 kWh/m²/year)	
5115.0	FABRIC ENERGY		•		
ENE Z	EFFICIENCY	3.1 - /	9	SAP Calculations confirm this score.	
				Blocks G will be provided Display Energy Devices that show electricity	
				usage in each flat. The device must be fixed to the mains supply and	Written confirmation that a compliant Display
				be capable of displaying the following:	Energy Device is to be provided sought
				 Current mains energy consumption (kilowatts and kilowatt hours) 	
				• Current emissions (g/kg CO2)	
				Current tariff Current cost (in pounds and ponce)	
				Current cost (in pounds and pence). Display account balance information for pre-pay customers	
				(amount in credit or debit)	
				Visual presentation of data (i.e. non-numeric)	
				Historical consumption data	
	DISPLAY ENERGY			Block F & H does not require display energy devices due to	
ENE 3	DEVICES	1	2	performance in other credits.	



					Drawings showing tidy driers
				A Tidy Drier of at least 6m in line length is to be installed in the bathroom of each Flat.	Written confirmation of sufficient Ventilation Rates
ENF 4	DRYING SPACE	1	1	A minimum extract high rate of 13I/s must be achieved and be controlled according to the requirements of Approved Document - Part F	Tidy drier data sheet
	Diring Since	-	-		
				To the dwellings, an Energy Saving Trust Leaflet detailing information about the Energy Efficiency of White Goods (EU Labeling Scheme) shall be supplied.	Written confirmation that a leaflet on the EU Energy Labelling Scheme will be supplied to all dwellings.
				To achieve an additional credit, a full package of White Goods can be supplied to each Flat to the following specification:	
				A+ rated Fridge/Freezer; A rated Dishwasher; A rated Washing Machine <u>OR</u> B rated Washer/Dryer	Datasheets of any white goods
ENE 5	ECO GOODS	1	2	At this time, it is assumed no dishwasher has been specified for the dwellings from current documents	
				All external space lighting, including lighting in common areas, is provided by energy efficient light bulbs/lamps with appropriate control systems.	Written confirmation of the type of light fittings and the control systems applicable.
ENE 6	EXTERNAL LIGHTS	2	2	Any security lighting is to be a maximum of 150w with PIR and dusk to dawn sensors to reduce unnecessary usage.	
	LOW OR ZERO CARBON			0 Credits have been awarded. While there is provision of renewable technology to the development, this does not supply at least 10% of the annual energy demand.	NRG SATISFIES
ENE 7	TECHNOLOGIES	0	2	SAP Calculations confirm this score	



				Cycle storage sufficient for 1 Credits will be supplied to the development. This will be: - 76 spaces in Block F - 15 spaces in Block G - 40 spaces in Block H in the form of proprietary storage. It requires a secure lock and a secure fixing. This must be the following: Secure Lock: A permanent mortice deadlock or mortice sash lock that conforms to BS 3621:2007 can be used where the door is at least 44mm thick and is locked to the doorframe. Secure Fixing: A stand which allows both wheel and frame to be locked and must, as a minimum, be of galvanised steel bar construction (with a minimum thickness of 3mm) and have a minimum foundation depth of 300mm with a welded anchor T-bar	Written confirmation of weatherproof and Security arrangements.
ENE 8	CYCLE STORAGE	1	2	Cycle Storage has direct access to the highway and is only accessible to residents.	
ENE 9	HOME OFFICE	1	1	The Home Office area designated in the dwelling GA drawings has been shown to accommodate a desk, bookcase, provision of 2 double sockets and 1 telephone points, all to be in close proximity to the wall space so extension cables are not required.	 Written confirmation of: 1.8m of continuous wall space Location of sockets Location of telephone points Broadband provision



WAT 1			5	The site sanitary ware will be designed to be water/person/day. Sample calculation subject to confirmation << 90ltrs/person/day (4 credits) W/C Basin Taps (Litres Per Min) Kitchen Taps (Litres Per Min) Shower (Litres Per Min) Bath TOTAL White Goods, when supplied, are to meet of standards for the specification in WAR Washing Machine – 8.17 ltrs/kg of Dishwasher – 1.25 ltrs/place	e less than 90 litres of Option 1 4/2.6 3 8 6 156 89.9 T better the following T 1 to be valid: of dry load setting	 Written confirmation of: WC flush volume Shower flow rate (ltrs/minute) Basin and Kitchen Taps Flow Rate (ltrs/minute) Bath capacity (ltrs to overflow)
WAT 1	EXTERNAL WATER	0	5	Water collection via water butts is not requin sought.	red on site. Credit not	[Credit not sought]



MAT 1	ENVIRONMENTAL IMPACT OF MATERIALS	7	15	MAT 1 – Materials – As per the Building Research Establishments "Green Guide to Specification", 7 credits have been awarded based on the Construction Details provided. Full NRG Materials Calculations confirm.	Full Construction Details
MAT 2	RESPONSIBLE SOURCING: BASICS	6	6	All Timber to be FSC/PEFC certified. Where possible, brick/block/roof tiles to have EMS (ISO:14001/BES:6001) Certification. Elements are: a) Frame b) Ground Floor c) Upper Floor d) Roof e) External Walls f) Internal Walls g) Substructure/Foundations h) Staircase	Written confirmation that the necessary Materials Certificates will be supplied when available.
MAT 3	RESPONSIBLE SOURCING: FINISHES	2	3	All timber used in the following sections will be FSC/PEFC where available: a) Panelling b) Fascias c) Skirting d) Internal and external door finishing's e) Staircase	Written confirmation that the necessary Materials Certificates will be supplied when available.
SUR 1	SURFACE WATER MANAGEMENT	2	2	CSH Mandatory Requirement: The post-development run-off of Surface Water is to be no greater than pre-development run-off. This requirement can potentially be met by default by special case criteria (If impermeable area of site decreases/stays the same) – detailed <u>HERE</u>	SUR 1 Template



				 Flood Risk and Drainage Assessment by Peter Brett Associates shows the following credits are achieved: 1 credit: No discharge from the development from the first 5mm of rainfall. 1 credit: The run-off from all hard surfaces shall receive an appropriate level of treatment in accordance with The SuDS Manual to minimise the risk of pollution. 	
SUR 2	FLOOD RISK	2	2	 2 Credits have been awarded based on the Flood Risk Assessment provided by Peter Brett Associates As of 6th March 2014, Planning Policy Statement PPS25 ceased to be a current document for planning purposes. However, this change does not impact the requirements for this section of the Code. A Flood Risk Assessment is a mandatory requirement of the Code. 	Flood Risk Assessment
				CSH Mandatory Requirement: External Refuse & Recycling Storage must be sized to comply with whichever is greater/larger: the requirements of the Local Authority or the standards of BS:5906 BS:5906 Standard: 100ltrs of Waste Storage (Refuse/Recycling) for the First Bedroom of each dwelling 70ltrs per each Bedroom thereafter CSH Mandatory Requirement: Inclusive Design Principles Checklist to be completed and complied with if credits are sought in WAS 1, HEA 3 and WAS 3	Please fill-in and return both Checklist "Inclusive Design Principles (mandatory)" and "Supplementary Information Sheet – WAS 1". Written confirmation of the location and size of the internal recycling storage
WAS 1	RECYCLING FACILITIES	4	4		



Internal recycling facilities of 1 bin of at least 30ltrs in total volume is to be provided to the dwelling. The bin should be suitably labeled for recycling. This will be in a fixed location within the kitchen and in addition to a normal waste bin. The Local Authority provides a Post Sorting Recycling Service... LINK Written confirmation that the SWMP will be A full Site Waste Management Plan in line with current CfSH guidance (what was previously the SWMP 2008 regulations) will be provided compliant with Checklist WAS 2a, 2c and 2d and with waste being recycled off-site by a licensed external contractor. that 85% of non-hazardous waste will be recycled. For all three credits, over 85% of the non-hazardous waste by weight Monthly waste data from site **WAS 2** SWMP 3 3 or volume must be diverted from Landfill. Written confirmation of: The Local Authority provides a Food Waste Collection Service. Space for a 7ltr Caddy has been specified in the Kitchen. **Space for Kitchen Caddy** A composting leaflet is to be provided to all dwellings as part of the **Compost Bin in line with IDP Checklist WAS 3** COMPOSTING 1 1 Home User Guide (MAN 01) All insulation used in the construction has a Global Warming Potential **Construction Notes Drawing showing insulation.** of less than 5. POL 1 ODP / GWP 1 1 Written confirmation of boiler emissions Broag Remeha Quinta Pro boiler with NOx emissions of <40 mg/kWh NOx OUTPUT FROM @0% oxygen is to be installed in the dwelling for 3 credits. POL 2 3 BOILER 3 Full NRG Daylight Calculations confirm that 2 credits are available in **NRG SATISFIES** this section.



March 2018 – Initial Issue



HEA 1	DAYLIGHT	2	3		
HEA 2	SOUND INSULATION	3	4	The dwelling is to achieve a 5db improvement of Part E Compliance in order to achieve 3 credits. Post-Construction Sound Testing will be undertaken by a Suitably Qualified Acoustician to confirm this.	Written confirmation of Post-Construction Sound Testing Sound Test Report
HEA 3	PRIVATE SPACE	1	1	The dwelling has Private Space in line with the Inclusive Design Principles Checklist; therefore, 1 Credit is available in this section.	Written confirmation that all Private Space is in line with the IDP Checklist.
HEA 4	LIFETIME HOMES	4	4	All 16 points of Lifetime Homes will be adhered to on this scheme where applicable.	Please fill in and return completed Lifetime Homes Checklist (Hea 4) indicating compliance with points from 1–16.
				To each dwelling, a simple guide that covers information relevant to the 'non-technical' occupant on the operation and environmental performance of the dwelling is being supplied. In addition, information on the site and surrounding area is to be included to achieve all three credits.	Written confirmation that the Home User Guide will: • Be supplied to all dwellings
MAN 1	HOME USER GUIDE	3	3	It must meet the required standards in the MAN 1 Checklist Parts 1 & <u>2</u> , and be available in different formats and languages	 Meet the required standards set out in Checklists MAN 1 Parts 1 & 2
MAN 2	CONSIDERATE CONSTRUCTORS	2	2	The Considerate Constructors Scheme is to be followed and a Beyond Best Practice score is to be achieved.	Written confirmation that the CCS will be followed, and a Beyond Best Practice score will be achieved.



				This represents a score of at least 7 in each section and at least 35 overall.	Considerate Construction Second visit report and certificate
MAN 3	CONSTRUCTION SITE IMPACTS	2	2	 The following will be undertaken: Adopt policies in respect of air pollution arising from site Adopt policies in respect of water pollution occurring on site. All timber for Site Use (Hoarding etc) is either responsibly sourced/re-used/recycled. Monitor Water Consumption from Site activities. 	Air and Water Pollution Policies Measurements of water consumption from site on a monthly basis Written confirmation that: • The Site Manager will inform his staff of the pollution policies during his Site meetings • The water consumption will be monitored regularly and the data will be retained • All timber used for Site purposes is responsibly sourced or re-used from other Sites.
MAN 4	SECURE BY DESIGN	2	2	A full Secure by Design Certificate is to be achieved on this development. If this is not possible then Secure by Design Part 2 is to be adhered to and the recommendations of the local Liaison Officer will be implemented.	Written confirmation that SBD will be achieved
ECO 1	ECOLOGICAL VALUE OF SITE	1	1	1 Credit confirmed by Ecology report provided by MKA Ecology during Phase 1A.	Ecology Report



Agar Grove Phase 1b - CSH Construction Stage Assessment

March 2018 – Initial Issue

ECO 2	ECOLOGICAL ENHANCEMENT	1	1	All of the Key Recommendations and at least 30% of the Additional Recommendations contained within the Ecology Report are to be implemented on Site.	Ecology Report
ECO 3	PROTECTION OF ECOLOGY	1	1	1 Credit confirmed by Ecology Report provided by MKA Ecology during Phase 1A.	Ecology Report
ECO 4	CHANGE OF SITE USE	2	4	CSH Ecology Template to be completed by MKA Ecology to confirm that there will be a Neutral Change in the ecological value of the Site.	CSH Ecology Template
				1 credit is available for the Building Footprint of Block F as the Net Internal Floor Area to Net Internal Ground Floor Area ratio meets 3:1. 2 credits are available for the Building Footprint of Block G and Block H as the Net Internal Floor area to Net Internal Ground Floor Area ratio meets 4:1	Floor Plans
ECO 5	BUILDING FOOTPRINT	1/2	2	NRG measurements to confirm	

<u>Rev.</u>	<u>Issue Purpose</u>	<u>Author</u>	<u>Date</u>
N/A	Initial Issue for Comment	RT	21/03/2018

FINAL SCORE: 68.58% (Worst case dwelling)

Code 4 = 68, Code 5 = 84



Agar Grove Phase 1b - CSH Construction Stage Assessment

		March 2018 –	Initial	lssue					
Cada far Cuatainak									
Code for Sustainat	Die Homes	Citat	Agor	Crovo DI	h 1	D			
Summary Score Sr	ieet	Site:	Ayar	Grove Fi		D			
						Sc	ore asse	ssment	
			Saara	Credits	Sub-	Credits	%	Weighting	Credits
Energy	Ene 1	Dwelling Emission Rate	36		13.1	available 31	42 2581	0.364	15 38194
Licity	Ene 2	Fabric Energy Efficiency	3.5	- 10 9	10.1	01	42.2001	0.004	10.00104
	Ene 3	Display Energy Devices	0.0	- 2					
	Ene 4	Drving Space	1	 1					
	Ene 5	White Goods	1	2					
	Ene 6	External Lighting	2	- 2					
	Ene 7	Low or Zero Carbon Technologies	0	- 2					
	Ene 8		1	- 2					
	Ene 9	Home Office	1	 1					
Water	Wat 1	Internal Potable Water	4	5	4	6	66.7	0.09	6.00
	Wat 2	External Potable Water	0						0.00
Materials	Mat 1	Environmental Impact of Materials	7	15	16	24	66.7	0.072	4.80
		Roof	1	3					
		External Walls	2	3					
		Internal Walls	2	3					
		Floors - upper and ground	1	3					
		Window s	1	3					
	Mat 2	Resp Sourcing of Materials: Basic Elements	6	6					
	Mat 3	Resp Sourcing of Materials: Finishing Elements	3	3					
Surface	Sur 1	Reduction of Surface Run-Off Rates	2	2	4	4	100.0	0.022	2.20
Water	Sur 2	Flood Risk Assessment	2	2					
Waste	Was 1	Household Waste Storage	4	4	8	8	100.0	0.064	6.40
	Was 2	SWMP	3	3					
	Was 3	Composting	1	- 1					
Polution	Pol 1	GWP of Insulation	1	1	4	4	100.0	0.028	2.80
	Pol 2	NO _v Emissions	3	- 3					
Health and	Hea 1	Daylighting	2	3	10	12	83.3	0.14	11.67
Wellbeing	Hea 2	Sound Insulation	3	4					
	Hea 3	Private Space	1	- 1					
	Hea 4	Lifetime Homes	4	- 4			-		
Management	Man 1	Home User Guide	3	3	9	9	100	0.1	10.00
	Man 2	Considerate Constructors	2	2		DINSOLTI			
	Man 3	Construction Site Impacts	2	2					
	Man 4	Security	2	2					
Land Use and	Eco 1	Ecological Value of Site	1	1	7	9	77.8	0.12	9.33
Ecology	Eco 2	Ecological Enhancement	1	1					
	Eco 3	Protection of Ecological Features	1	1					
	Eco 4	Change of Ecological Value of Site	2	4					
	Eco 5	Building Footprint	2	2	Credits	75.1			
					Total	104		Score:	68.58
								Rating:	Code 4
								Rating	Score
								Code 3	57
								Code 4	68