Remill

Development Name: Land Rear of 13 Calmont Road, Bromley, BR1 48Y

Dwelling Description: 1 No 2 Bedroom House

Name of Company: Pellings LLP

Code Assessor's Name:

Company Address:

24 Widmore Road, Bromley, Kent BR1 1RY

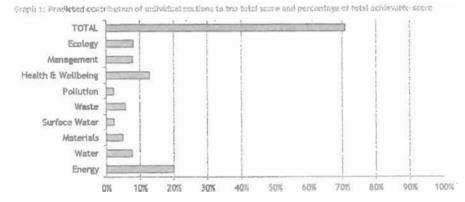
Notes/Comments:

PREDICTED PATING - CODE LEVEL: 4

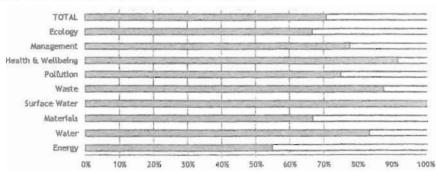
/Aandstory Requirements: All Levels

15 Points: 70.76% - Code Level: 4
Breakdown: Energy - Code Level: 4
Water - Code Level: 4

Limited and any of



Graph 2. Prodicted percentage of credits active/able: Total and by Category



NOTE: The rating obtained by using this Pre Assessment Estimator is for guidance only. Predicted ratings may differ from those obtained through a formal assessment, which must be carried out by a ticensed Code assessor.

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CATEGOR	Y 1 ENERGY	Ove	rall Level: 4	Overall Score	70.76	from the control of t	Evidence Required
% of Sect	ion Credits Predicted:	54.83		Credits	Level	Assumptions Made	(The below cells can be formatted by assessors if
Contribut	tion to Overall % Score	: 19.96 points		17.0 of 31 Credits	Level 4		required.)
Ene 1 Dwelling Emission Rate	Dwelling Emission Ra calculated using SAF apply. The Code e predicted score. Enter the predicted What is the	based on the percentage te (DER) over the Target 2009. Minimum standard nergy calculator can be score the predicted number of createt CO ₂ emissions achieved	Emission Rate (TER) as is for each Code level used to calculate a edits?	3.0 of 10 Credits	Level 4	Preliminary SAP calc required to confirm the required 25% or greater improvement over TER (target emission rate). To achieve this LZC (low or zero carbon systems may need to be installed, however, the fabric specification should be optifized first. Likely construction U-values: roof <0.13, walls<0.20, floors<0.20, wins/doors 0.80/1.00 and air tightness 3 of lower. MVHR ventilation required. Consider wall thickness allowed.	
Ene 2 Fabric Energy Efficiency	(kWh/m²/yr) of the of 5 and 6. The Code predicted score. Enter the predicted Apartmen OR End terra OR Staggered	ed based on the Fabr welling. Minimum standar energy calculator can be score	ds apply at Code levels e used to calculate a	3.0 of 9 Credits	-	SAP calculation required as above. Further credits could be awarded.	
Energy Energy Display Devices	Device is installed m consumption. Select whether the I None Spe Primary H OR Electricity	eating only	or primary heating fuel	2 of 2 Credits		Smart meter provided for electricity and gas. Feasiability of later to be confirmed.	

Issue		Credits	Level	Assumptions Made	Evidence Required
	One credit is awarded for the provision of either internal or external			External drying space to be provided to garden.	·
Drying Space	secure drying space with posts and footings or fixings capable of			Correct line length required.	
	holding 4m+ of drying line for 1-2 bed dwellings and 6m+ for				
	dwellings with 3 bedrooms or greater.				
	Will drying space meeting the criteria be provided?				
	Yes	1 of 1 Credits	-		
	OR No O				
Ene 5	Credits are awarded where each dwelling is provided with either	,		Assumed white goods provided.	
Energy Labelled	information about the EU Energy Labelling Scheme, White Goods with				
White Goods	ratings ranging from A+ to B or a combination of the previous				
	according to the technical guide.				
	Select the appropriate option below				
	EU Energy labelling information only				
	A+ rated appliances				
	A rated washing machine and dishwasher	2 of 2 Credits			
	B rated tumble dryer or washer dryer				
	EU Energy labelling information provided				
Fra 6	Credits are awarded based on the provision of space lighting* with			External lighting must be energy efficient and	
	dedicated energy efficient fittings and security lighting fittings with			controlled, eg dawn to dusk.	
Lighting	appropriate control gear			domination, og darri to darri	
	Space Lighting				
ľ					
	None provided				
1	OR Non Code compliant lighting				
1	OR Code compliant lighting				
	Security Lighting	2 of 2 Credits	_		
	None provided O	2 31 2 616616	-		
	OR Non Code compliant lighting				
	OR Code compliant lighting and controls				
	Dual lamp luminaires				
	Compliant with both above criteria				
L	Statutory safety lighting is not covered by this requirement				<u></u>

Issue		Credits	Level	Assumptions Made	Evidence Required
Ene 7	Credits are awarded where there is a 10% or 15% reduction in CO ₂			Calculation required to confirm. Assumed PV panels	
Low or Zero	emissions resulting from the use of low or zero carbon technologies.			provided noting orientation of roof is East and West.	
Carbon				·	
Technologies	Select % contribution made by low or zero carbon technologies				
		1			
		l			
	Less than 10% of demand				
	OR 10% of demand or greater	1 of 2 Credits			
	OR 15% of demand or greater				
Ene 8 Cycle				Secure storage provided in front garden for 2No bikes.	
Storage	Credits are awarded where adequate, safe, secure and weather proof			3 7 7 7 7 7 7 7 7 7 7	
'	cycle storage is provided according to the Code requirements.				
1	Fill in the development details below				
1	- This is the development details below				
1	Number of his drivers				
1	Number of bedrooms:				
1	Number of cycles stored per dwelling* 2.0	2 of 2 Credits	•		
1					
1	* if you have storage for 1 cycle per two dwellings insert 0.5 in number of cycles stored				
1	per dwelling				
5	her arenual	-		To be leasted in the fiving room or hadrons - 1 and	
Ene 9	A credit is awarded for the provision of a home office. The location,			To be located in the living room or bedrooms. Lock	
Home	space and services provided must meet the Code requirements.			required to door for SBD. Need to show 1.8m long	
Office	space and services provided thuse meet the code requirements.			length of wall with 2 power and telephone sockets.	
1	Will there be provision for a Home Office?			Daylighting factor must be achieved hence location	
1				important. See credit HEA1.	
1	Yes ●	1 of 1 Credits	•		
1	OR No O				
	L			L	

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CATEGORY	2 WATER	Overall Lev	/el: 4	Overall Score	70.76	F- C	Evidence Required
And the Person of the Person o	on Credits Predicted: on to Overall Score:		1000	Credits 5 of 6 Credits	Level 4	Assumptions Made	(The below cells can be formatted by assessors if required.)
Wat 1 Indoor Water Use	water consumption, of Tool. Minimum standa Select the predicted w greater the OR ≤ less than OR ≤ less than OR ≤ less than OR ≤ less than	based on the predicted avera calculated using the Code Wat rds for each code level apply. vater use / Mandatory Requirement an 120 litres/ person/ day 120 litres/ person/ day 110 litres/ person/ day 105 litres/ person/ day 90 litres/ person/ day 80 litres/ person/ day	•	4 of 5 Credits	Level 3 AND Level 4	Calaculation required to confirm at detailed design stage.	
Wat 2 External Water Use	collecting rainwater outdoor space is provi	where a compliant system is for external irrigation purpose ded the credit can be achieved at applies I or communal outdoor space pace with collection system pace without collection system.	es. Where no I by default.	1 of 1 Credits	-	A minimum size of 200lts to be provided in the rear gardens.	

CATEGORY	3 MATERIALS Overall Level: 4	Overall Score	70.76		Evidence Required
% of Section	on Credits Predicted: 66.66	Credits	Level	Assumptions Made	(The below cells can be formatted by assessors if
Contributi	on to Overall Score: 4.80 points	16 of 24 Credits	All Levels		required.)
Mat 1 Environm- ental Impact of Materials	Mandatory Requirement: At least three of the five key building elements must achieve a Green Guide 2008 Rating of A+ to D. Tradable Credits: Points are awarded on a scale based on the Green Guide Rating of the specifications. The Code Materials Calculator can be used to predict a potential score. Mandatory Requirement Will the mandatory requirement be met? Enter the predicted score What is the predicted number of credits?		All Levels	It is assumed the mandatory credits and the tradeable credits will be sought. Check proposed construction against Green Guide specs.	
Mat 2 Responsible Sourcing of Materials - Basic Building Elements	Credits are awarded where materials used in the basic building elements are responsibly sourced. The Code Materials Calculator can be used to predict a potential score. Enter the predicted Score What is the predicted number of credits?	3 of 6 Credits		To be checked at procurement stage.	
Mat 3 Responsible Sourcing of Materials - Finishing Elements	Credits are awarded where materials used in the finishing elements are responsibly sourced. The Code Materials Calculator can be used to predict a potential score. Enter the predicted Score What is the predicted number of credits?		-	To be checked at procurement stage.	

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CATEGORY	4 SURFACE W	ATER RUN-OFF Overall L	evel: 4	Overall Score	70.76		Evidence Required
The state of the s		dicted: 100.00%		Credits	Level	Assumptions Made	(The below cells can be formatted by assessors if required.)
Sur 1 Management of Surface Water Run-off from developments	Mandatory Re no greater f development rainwater dis reduced as f criteria. Desi local drainag used to impro	score: 2.20 points equirement: Peak rate of run-off into for the developed site than it wa site and that the additional predic scharge caused by the new develope far as possible in accordance with iging the drainage system to be abl the system failure. Tradable Credits: No ove water quality of the rainwater die quality of the receiving waters.	s for the pre- cted volume of nent is entirely the assessment e to cope with Where SUDS are	4 of 4 Credits	All Levels	Engineer's report required to confirm surface water strategy for the site and the stated credits are achievable. Please note this section will be updated to align with the National Standards for Sustainable Drainage.	required.)
	Mandatory	Requirement					
	w	/ill the mandatory requirement be me	t? 🔽				
	Select the	appropriate option					
	No	o SUDS					
	1 1	o runoff into watercourses for the firs mm of rainfall	t 🗹				
		unoff from hard surfaces will receive ppropriate level of treatment	an 🗸	2 of 2 Credits	Ali Levels		
Sur 2 Flood Risk	low flood ris appropriate property and the technical Select the	annual probability of flooding (from PPS25*)	high flood risk Jamage to the Code criteria in			EA map states the site is in Zone 1.	
		one 1 - Low one 2 - Medium	O				
	1 1	one 3 - High	o				
	Select the	apropriate option(s)		2 of 2 Credits	-		
	Le Al de	ow risk of flooding from FRA** Il measures of protection emonstrated in FRA fround floor level and access routes and mabove design flood level	are				
	* Planning Policy	y Statement 25 - Planning and Flood Risk isk Assessment					

CATEGORY 5 WASTE Overall Level: 4	Overall Score	70.76		Evidence Required
% of Section Credits Predicted: 87.00%	Credits	Level	Assumptions Made	(The below cells can be formatted by assessors if
Contribution to Overall Score: 5.60 points	7 of 8 Credits	All Levels		required.)
Was 1 Storage of non-should be sized to hold the larger of either all external containers provided by the Local Authority or the min capacity calculated from BS 5906. Tradable Credits are awarded for adequate internal and/or external recycling facilities. Mandatory Requirement			Confirmation required of the LA collection scheme. Note: Size of enclosure to be checked to ensure it can accommodate the required capacity of waste. Access and usability of enclose must be inclusive.	
With the minimum space be provided and be accessible to disabled people?				
'Internal Recyclable household waste storage				
Where there is no external recyclable waste				
storage and no Local Authority collection				1
scheme	0 of 2 Credits			
Local Authority collection Scheme	o di 2 Cladic			
Post Collection sorting Internal storage (capacity 30 litres)	4 of 4 Credits	All Levels		
Pre-tolifection sorting Internal storage (3 separate bins, capacity 30 litres)				
External Storage, no Local Authority collection scheme				
3 separate internal storage bins (capacity 30 litres) AND				
Houses External Storage(capacity 180 litres)	0 of 4 Credits			
Flats Private recycling operator				
3 or greater types of wastie collected				

Issue		Credits	Level	Assumptions Made	Evidence Required
Was 2 Construction Site Waste Management	A credit is awarded where a compliant SWMP is provided with targets and procedures to minimise construction waste. Credits are available where the SWMP include procedures and commitments for diverting either 50% or 85% of waste generated from landfill. SWMP details Does the SWMP include: + No SWMP + SWMP with targets and procedures to minimise waste? + SWMP with procedures to divert 50% of waste + SWMP with procedures to divert 85% of waste	2 of 3 Credits			
Was 3 Composting	A credit is awarded where individual home composting facilities are provided, or where a community/ communal composting service, either run by the Local Authority or overseen by a management plan is in operation. Select the facilities available No composting facilities Individual composting facilities OR Communal/ community composting*? Local Authority OR Private with management plan	1 of 1 Credit	-	Space available. Access must be inclusive as WAS1 above.	
	* including if an automated waste collection system is in place				

-	Y 6 POLLUTION Overall Level: 4	Overall Score			Evidence Required
THE PERSON NAMED IN	ion Credits Predicted: 75,00%	Credits	Level	Assumptions Made	(The below cells can be formatted by assessors if
	tion to Overall Score: 2.10 points	3 of 4 Credits	All Levels		required.)
Pol 1 Global Warming Potential (GWP) of Insulants	A credit is awarded where all insulating materials only substances (in manufacture AND installation) that have a GWI less than 5. Select the most appropriate option All insulants have a GWP less than 5 OR Some insulants have a GWP of less than 5 OR No insulants have a GWP of less than 5		-		
Pol 2 NOx Emissions	Credits are awarded on the basis of NOx emissions arising from the operation of the space and water heating system within the dwelling. Select the most appropriate option			Nox class 5+ boiler to be specified.	
	Greater than 100 mg/kWh OR Less than 100 mg/kWh OR Less than 70 mg/kWh OR Less than 40 mg/kWh OR Class 4 boiler OR Class 5 boiler OR All space and hot water energy requirements are met by systems who do not produce NOx emissions	2 of 3 Credits			

% of Section	7 7 HEALTH & WELLBEING Overall Level: 4 on Credits Predicted: 91.00% on to Overall Score: 12.83 points	Overall Score Credits 11 of 12 Credits	70.76 Level	Assumptions Made	Evidence Required (The below cells can be formatted by assessors if required.)
Hea 1 Daylighting	Credits are awarded for ensuring key rooms in the dwelling have high daylight factors (DF) and a view of the sky. Select the compliant areas			Daylighting calculations to be undertaken at initial design stage to confirm credits are achievable.	
	Room Kitchen: Avg DF of at least 2% Living Room*: Avg DF of at least 1.5% Dining Room*: Avg DF of at least 1.5% Study*: Avg DF of at least 1.5% 80% of working plane in all above rooms receive direct light from the sky?	3 of 3 Credits	-		
Hea 2 Sound Insulation	Any room used for Ene 9 Home Office must also achieve a min DF of 1.5%, Credits are awarded where performance standards exceed those required in Building Regulations Part E. This can be demonstrated by carrying out pre-completion testing or through the use of Robust Details Limited.			Consider construction details required to achieve improvements over current Building Regs.	
	Select a type of property Detached Property Attached Properties: - Separating walls and floors only exist between non habitable spaces - Separating walls and floors exist between habitable spaces	3 of 4 Credits	_		
	Performance standard Performance standard not sought Airborne: 3db higher; Impact: 3dB lower OR Airborne: 5db higher; Impact: 5dB lower OR Airborne: 8db higher; Impact: 8dB lower				

Issue		Credits	Level	Assumptions Made	Evidence Required
Hea 3 Private Space	A credit is awarded for the provision of an outdoor space that is at least partially private. The space must allow easy access to all occupants. Will a private/semi-private space be provided? Yes, private/semi-private space will be provided OR No private/semi-private space			Private rear garden provided as drawing	
Hea 4 Lifetime Homes	Mandatory Requirement: Lifetime Homes is mandatory when a dwelling is to achieve Code Level 6. Tradable credits: Credits are awarded where the developer has implemented all of the principles of the Lifetime Homes scheme. Mandatory Requirement			LTH audit required of initial design to confirm.	
į	Dwelling to achieve Code Level 67 Lifetime Homes Compilance All Lifetime Homes criteria will be met	4 of 4 Credits	No level		
	OR Exemption from LTH conteria 2/3 applied O Credit not sought O				

% of Secti	7 8 MANAGEMENT Overall Level: 4 on Credits Predicted: 77.00% on to Overall Score: 7.77 points	Overall Score Credits 7 of 9 Credits	2 70.76 Level All Levels	Assumptions Made	Evidence Required (The below cells can be formatted by assessors if required.)
Man 1 Home User Guide	Credits are awarded where a simple guide is provided to each dwelling covering information relevant to the 'non-technical' home occupier, in accordance with the Code requirements. Tick the topics covered by the Home User Guide Operational Issues? Site and Surroundings? Is available in alternative formats?	3 of 3 Credits	Air Levels		
Man 2 Considerate Constructors Scheme	Credits are awarded where there is a commitment to comply with best practice site management principles using either the Considerate Constructors Scheme or an alternative locally/nationally recognised scheme. Select the appropriate scheme and score No scheme used Considerate Constructors OR Best Practice: Score between 24 and 31.5 OR Best Practice: Score between 32 and 40 Alternative Scheme* OR Mandatory + 50% optional requirements OR Mandatory + 80% optional requirements In the first instance, contact a Code Service Provider if you are considering to use an alternative scheme.	1 of 2 Credits		Viability to be confirmed given size of scheme.	
Man 3 Construction Site Impacts	Credits are awarded where there is a commitment and strategy to operate site management procedures on site as following: Tick the impacts that will be addressed Monitor, report and set targets, where applicable, for: CO ₂ / energy use from site activities water consumption from site activities Adopt best practice policies in respect of: air (dust) pollution from site activities water (ground and surface) pollution on site 80% of site timber is reclaimed, re-used or responsibly sourced	1 of 2 Credits	-	Achievable. To be considered in advance of construction commencing.	

Issue		Credits	Level	Assumptions Made	Evidence Required
	Credits are awarded for complying with Section 2 - Physical Security from Secured by Design - New Homes. An Architectural Liaison Officer (ALO), or alternative, needs to be appointed early in the design process and their recommendations incorporated. Secured by Design Compilance	1		SBD Officer to be consulated at design stage.	
	Credit not sought OR Secured by Design Section 2 Compliance	2 of 2 Credits			

CATEGORY 9 ECOLOGY Overall Level: 4	Overall Score	70.76	····	Evidence Required
% of Section Credits Predicted: 66.00% Contribution to Overall Score: 8.00 points	Credits 6 of 9 Credits	Level All Levels	Assumptions Made	(The below cells can be formatted by assessors if required.)
Eco 1 Ecological Value of Site Select the appropriate option Credit not sought OR Land has ecological value OR Land has low/ insignificant ecological value* *Low ecological value is determined either a) by using Checklist Eco 1 across the whole development site; or b) where an suitably qualified ecologist is appointed and can confirm or c) produces an independent ecological report of the site, that the construction zone is of low/ insignificant value; AND the rest of the development site will remain undisturbed by the works.	1 of 1 Credits	•	Ecologist to be appointed to confirm status of site. Credit may not be available. The majority of the site is a garage.	
Eco 2 Ecological Enhancement A credit is awarded where there is a commitment to enhance the ecological value of the development site. Tick the appropriate boxes Will a Suitably Qualified Ecologist be appointed to recommend appropriate ecological features? AND Will all key recommendations be adopted? AND 30% of other recommendations be adopted?	1 of 1 Credits	-	Ecologist to be appointed to achieve credits.	
Eco 3 Protection of Ecological Features A credit is awarded where there is a commitment to maintain and adequately protect features of ecological value. Type and protection of existing features Site with features of ecological value? OR Site of low ecological value (as Eco 1)? AND All* existing features potentially affected by site works are maintained and adequately protected? "If a suitably qualified ecologist has confirmed that a feature can be removed due to insignificant ecological value or poor health conditions, as long all the rest have been protected, then this box can be ticked.	1 of 1 Credits		Ecologist to be appointed to achieve credits.	

ksue		Credits	Level	Assumptions Made	Evidence Required
Eco 4 Change of Ecological Value of Site	Credits are awarded where the change in ecological value has been calculated in accordance with the Code requirements and is calculated to be: Change in Ecological Value Major negative change: fewer than -9 Minor negative change: between -9 and -3 OR Neutral: between -3 and +3 Minor enhancement: between +3 and +9 Major enhancement: greater than 9	3 of 4 Credits	-	Ecologist to be appointed to confirm enhancements are achievable. A further credit may be achievable.	
Eco 5 Building Footprint	Credits are awarded where the ratio of combined floor area of all dwellings on the site to their footprint is: Ratio of Net Internal Floor Area: Net Internal Ground Floor Area Credit Not Sought OR Houses: 2.5:1 OR Flats: 3:1 OR Houses: 3:1 OR Flats: 4:1 OR Houses & Flats Weighted (2.5:1 & 3:1) OR Houses & Flats Weighted (3:1 & 4:1)	0 of 2 Credits			