

sessor name N	1r Laurie Wills			Assessor number	3906	
ent				Last modified	30/05/2017	
ldress R	1 Stephenson House	75 Hampstead Road	, London, NW1			
Check	Evidence			Proc	luced by	OK?
Criterion 1: predicted carbo	on dioxide emission fro	om proposed dwellin	g does not exceed the t	arget		
TER (kg CO₂/m².a)	Fuel = N/A Fuel factor = 1 TER = 15.21	1.00		Auth	orised SAP Assessor	
DER for dwelling as designer $CO_2/m^2.a$)	ed (kg DER = -91.33			Auth	orised SAP Assessor	
Are emissions from dwellin designed less than or equal target?	-	FER 15.21		Auth	oorised SAP Assessor	Passed
Is the fabric energy efficien the dwellling as designed le or equal to the target?				Auth	orised SAP Assessor	Failed
Criterion 2: the performance	e of the building fabri	c and the heating, ho	ot water and fixed lighti	ng systems should be no	worse than the desigr	n limits
Fabric U-values						
Are all U-values better than design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	Weighted average 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Auth	orised SAP Assessor	Passed
Thermal bridging						
How has the loss from ther bridges been calculated?	mal Thermal bridg	ing calculated using o	default y-value of 0.15	Auth	oorised SAP Assessor	
Heating and hot water syst	tems					
Does the efficiency of the h systems meet the minimum set out in the Domestic Hea Compliance Guide?	n value	eating scheme ating system: None		Auth	orised SAP Assessor	N/A
Does the insulation of the h water cylinder meet the sta set out in the Domestic Hea Compliance Guide?	andards	cylinder in the dwelli	ng	Auth	oorised SAP Assessor	
Do controls meet the minin controls provision set out in Domestic Heating Complian Guide?	n the Charging syste		grammer and at least 2 ng		oorised SAP Assessor	Passed
		•	0			

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	y Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	opriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Slight (20.96°) Overheating risk (July) = Medium (22.59°) Overheating risk (August) = Medium (22.06°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered) in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa Use of the following low carbon or renewable technologies: • Photovoltaic array	Authorised SAP Assessor	



sessor name	Mr Laurie	Wills			Assessor number	3906	
ent					Last modified	30/05/2017	
dress	R2 Stephe	nson House	75 Hampstead Road	, London, NW1			
Check	E	vidence			Pro	oduced by	OK?
Criterion 1: predicted ca	rbon dioxid	e emission fr	om proposed dwellir	ng does not exceed the ta	irget		
TER (kg CO ₂ /m ² .a)	F	uel = N/A uel factor = 1 TER = 16.11	1.00		Au	thorised SAP Assessor	
DER for dwelling as desi CO₂/m².a)	gned (kg E	DER = 14.36			Au	thorised SAP Assessor	
Are emissions from dwel designed less than or equestry target?	-	DER 14.36 < T	ER 16.11		Au	thorised SAP Assessor	Passed
Is the fabric energy effici the dwellling as designed or equal to the target?	•	DFEE 26.7 < T	FEE 31.1		Au	thorised SAP Assessor	Passed
Criterion 2: the performa	ance of the	building fabr	ic and the heating, h	ot water and fixed lightin	g systems should be no	o worse than the desigr	n limits
Fabric U-values							
Are all U-values better the design limits in Table 2?	V F F F	Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Au	thorised SAP Assessor	Passed
Thermal bridging							
How has the loss from the bridges been calculated?		កermal bridរ្	ging calculated using	default y-value of 0.15	Au	thorised SAP Assessor	
Heating and hot water s	ystems						
Does the efficiency of the systems meet the minim set out in the Domestic H Compliance Guide?	um value		eating scheme ating system: None		Au	thorised SAP Assessor	N/A
Does the insulation of th water cylinder meet the set out in the Domestic H Compliance Guide?	standards	No hot water	cylinder in the dwell	ing	Au	thorised SAP Assessor	
Do controls meet the mi controls provision set ou Domestic Heating Compl Guide?	it in the C liance		V	pgrammer and at least 2 i		thorised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
	y Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.9°) Overheating risk (July) = Slight (21.62°) Overheating risk (August) = Slight (21.33°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered) in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa Space cooling is specified	Authorised SAP Assessor	



sessor name	Mr Laurie	e Wills			Assessor number	3906	
ent					Last modified	28/04/2017	
dress	R3 Steph	enson House	75 Hampstead Road	, London, NW1			
Check		Evidence			Pro	oduced by	OK?
Criterion 1: predicted ca	rbon dioxio	de emission fr	om proposed dwellir	ng does not exceed the ta	arget		
TER (kg CO ₂ /m².a)		Fuel = N/A Fuel factor = TER = 14.26	1.00		Au	thorised SAP Assessor	
DER for dwelling as desi CO₂/m².a)	gned (kg	DER = 13.63			Au	thorised SAP Assessor	
Are emissions from dwe designed less than or eq target?	-	DER 13.63 < 1	FER 14.26		Au	thorised SAP Assessor	Passed
Is the fabric energy effic the dwellling as designed or equal to the target?	•		FEE 37.4		Au	thorised SAP Assessor	Passed
Criterion 2: the perform	ance of the	building fabr	ic and the heating, h	ot water and fixed lightir	g systems should be no	o worse than the desig	n limits
Fabric U-values							
Are all U-values better the design limits in Table 2?		Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Au	thorised SAP Assessor	Passed
Thermal bridging							
How has the loss from the bridges been calculated		Thermal brid	ging calculated using	default y-value of 0.15	Au	thorised SAP Assessor	
Heating and hot water s	systems						
Does the efficiency of th systems meet the minim set out in the Domestic Compliance Guide?	num value		eating scheme eating system: None		Au	thorised SAP Assessor	N/A
Does the insulation of the water cylinder meet the set out in the Domestic Compliance Guide?	standards	No hot water	cylinder in the dwell	ing	Au	thorised SAP Assessor	
Do controls meet the mi controls provision set ou Domestic Heating Comp Guide?	ut in the liance		V	pgrammer and at least 2		thorised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting compl with paragraphs 42 to 44?	y Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	opriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.11°) Overheating risk (July) = Slight (20.87°) Overheating risk (August) = Slight (20.65°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of th	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K: i) • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa	Authorised SAP Assessor	



sessor name	Mr Laurie	Wills			Assessor number	3906	
ent					Last modified	30/05/2017	
dress	R4 Stephe	enson House	75 Hampstead Road	, London, NW1			
Check	I	Evidence			Pr	oduced by	OK?
Criterion 1: predicted car	rbon dioxid	e emission fr	om proposed dwellir	ng does not exceed the ta	arget		
TER (kg CO ₂ /m ² .a)	F	Fuel = N/A Fuel factor = FER = 13.53	1.00		A	thorised SAP Assessor	
DER for dwelling as desig CO₂/m².a)	ned (kg 🏾 I	DER = 12.30			Αι	thorised SAP Assessor	
Are emissions from dwel designed less than or equ target?	-	DER 12.30 < 1	ER 13.53		Αι	ithorised SAP Assessor	Passed
Is the fabric energy effici- the dwellling as designed or equal to the target?	•	DFEE 25.6 < T	FEE 31.0		Αι	ithorised SAP Assessor	Passed
Criterion 2: the performa	ance of the	building fabr	ic and the heating, h	ot water and fixed lightir	g systems should be n	o worse than the desig	n limits
Fabric U-values							
Are all U-values better th design limits in Table 2?	\ F F	E lement Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Au	ithorised SAP Assessor	Passed
Thermal bridging							
How has the loss from th bridges been calculated?		Thermal bridg	ging calculated using	default y-value of 0.15	Αι	ithorised SAP Assessor	
Heating and hot water s	ystems						
Does the efficiency of the systems meet the minim set out in the Domestic H Compliance Guide?	um value		eating scheme ating system: None		Αι	ithorised SAP Assessor	N/A
Does the insulation of the water cylinder meet the set out in the Domestic H Compliance Guide?	standards	No hot water	cylinder in the dwell	ing	Αι	ithorised SAP Assessor	
Do controls meet the min controls provision set ou Domestic Heating Compl Guide?	t in the diance		V	ogrammer and at least 2		thorised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	rSchedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8	Authorised SAP Assessor	Passed
	Percentage of low energy lights = 100% Minimum = 75 %		
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.4°) Overheating risk (July) = Slight (21.16°) Overheating risk (August) = Slight (20.95°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 5.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passec
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passec
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa Space cooling is specified	Authorised SAP Assessor	



sessor name	Mr Laurie	e Wills			Assessor number	3906	
ent					Last modified	30/05/2017	
ldress	R5 Steph	enson House	75 Hampstead Road	, London, NW1			
Check		Evidence			F	Produced by	OK?
Criterion 1: predicted	carbon dioxi	de emission fr	om proposed dwellir	ng does not exceed the ta	irget		
TER (kg CO₂/m².a)		Fuel = N/A Fuel factor = 1 TER = 15.54	1.00		ł	Authorised SAP Assessor	
DER for dwelling as de CO ₂ /m ² .a)	signed (kg	DER = 15.45			ļ	Authorised SAP Assessor	
Are emissions from dv designed less than or e target?	-	DER 15.45 < T	ER 15.54		ľ	Authorised SAP Assessor	Passed
Is the fabric energy eff the dwellling as desigr or equal to the target?	ned less than	DFEE 37.5 < T	FEE 39.7		ŀ	Authorised SAP Assessor	Passed
Criterion 2: the perfor	mance of the	e building fabri	ic and the heating, h	ot water and fixed lightin	g systems should be	no worse than the desig	gn limits
Fabric U-values							
Are all U-values better design limits in Table 2	2?	Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)		Authorised SAP Assessor	Passed
Thermal bridging							
How has the loss from bridges been calculate		Thermal bridg	ging calculated using	default y-value of 0.15	ŀ	Authorised SAP Assessor	
Heating and hot wate	r systems						
Does the efficiency of systems meet the min set out in the Domesti Compliance Guide?	imum value		eating scheme ating system: None		Å	Authorised SAP Assessor	N/A
Does the insulation of water cylinder meet th set out in the Domesti Compliance Guide?	ne standards		cylinder in the dwell	ing	ļ	Authorised SAP Assessor	
Do controls meet the i controls provision set Domestic Heating Con Guide?	out in the opliance			pgrammer and at least 2 i		Authorised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting comp with paragraphs 42 to 44?	ly Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8	Authorised SAP Assessor	Passed
	Percentage of low energy lights = 100% Minimum = 75 %		
Criterion 3: the dwelling has appr	opriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.49°) Overheating risk (July) = Slight (21.24°) Overheating risk (August) = Slight (21.02°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passec
Criterion 4: the performance of t	ne dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passec
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
	The following party walls have a U-value less than 0.2W/m ² K:	Authorised SAP Assessor	



sessor name	Mr Laurie	Wills			Assessor number		3906	
ent					Last modified		28/04/2017	
dress	R6 Stephe	enson House	75 Hampstead Road	, London, NW1				
Check		Evidence			F	Produced by	,	OK?
Criterion 1: predicted ca	rbon dioxic	le emission fr	om proposed dwellir	ng does not exceed the ta	rget			
TER (kg CO ₂ /m².a)		Fuel = N/A Fuel factor = TER = 13.91	1.00		F	Authorised S	AP Assessor	
DER for dwelling as desi CO₂/m².a)	gned (kg	DER = 13.03			F	Authorised S	AP Assessor	
Are emissions from dwe designed less than or eq target?	-	DER 13.03 < 1	ER 13.91		F	Authorised S	AP Assessor	Passed
Is the fabric energy effici the dwellling as designed or equal to the target?	•	DFEE 33.7 < T	FEE 36.7		F	Authorised S	AP Assessor	Passed
Criterion 2: the performa	ance of the	building fabr	ic and the heating, h	ot water and fixed lightin	g systems should be	no worse th	an the design	limits
Fabric U-values								
Are all U-values better th design limits in Table 2?		Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	F	Authorised S	AP Assessor	Passed
Thermal bridging								
How has the loss from the bridges been calculated?		Thermal brid	ging calculated using	default y-value of 0.15	F	Authorised S	AP Assessor	
Heating and hot water s	ystems							
Does the efficiency of th systems meet the minim set out in the Domestic I Compliance Guide?	um value		eating scheme ating system: None		P	Authorised S	AP Assessor	N/A
Does the insulation of th water cylinder meet the set out in the Domestic I Compliance Guide?	standards	No hot water	cylinder in the dwell	ling	F	Authorised S	AP Assessor	
Do controls meet the mi controls provision set ou Domestic Heating Comp Guide?	it in the liance		V	ogrammer and at least 2 i		Authorised S	AP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting compl with paragraphs 42 to 44?	y Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appr	opriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (20.21°) Overheating risk (July) = Slight (21.92°) Overheating risk (August) = Slight (21.61°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of th	ne dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	 The following party walls have a U-value less than 0.2W/m²K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m³/(h.m²) is less than 4 m³/(h.m²) at 50 Pa 	Authorised SAP Assessor	



ssessor name	Mr Laurie Wills			Assessor number	3906	
ient				Last modified	30/05/2017	
ddress	R7 Stephenson House	75 Hampstead Road	, London, NW1			
Check	Evidence			Produ	ced by	OK?
Criterion 1: predicted carb	on dioxide emission fr	om proposed dwellir	ng does not exceed the ta	arget		
TER (kg CO ₂ /m ² .a)	Fuel = N/A Fuel factor = TER = 15.98	1.00		Autho	rised SAP Assessor	
DER for dwelling as design $CO_2/m^2.a$)	ed (kg DER = 15.82			Autho	rised SAP Assessor	
Are emissions from dwelli designed less than or equa target?	-	ER 15.98		Autho	rised SAP Assessor	Passed
Is the fabric energy efficient the dwellling as designed or equal to the target?		FEE 41.0		Autho	rised SAP Assessor	Passed
Criterion 2: the performan	ice of the building fabr	ic and the heating, h	ot water and fixed lightir	ng systems should be no we	orse than the desigr	n limits
Fabric U-values						
Are all U-values better tha design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Autho	rised SAP Assessor	Passed
Thermal bridging						
How has the loss from the bridges been calculated?	rmal Thermal bridg	ging calculated using	default y-value of 0.15	Autho	rised SAP Assessor	
Heating and hot water sys	stems					
Does the efficiency of the systems meet the minimu set out in the Domestic He Compliance Guide?	m value	eating scheme ating system: None		Autho	rised SAP Assessor	N/A
Does the insulation of the water cylinder meet the st set out in the Domestic He Compliance Guide?	tandards	cylinder in the dwell	ing	Autho	rised SAP Assessor	
Do controls meet the mini controls provision set out Domestic Heating Complia Guide?	in the Charging syst	V	grammer and at least 2		rised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	rSchedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8	Authorised SAP Assessor	Passed
	Percentage of low energy lights = 100% Minimum = 75 %		
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.54°) Overheating risk (July) = Slight (21.29°) Overheating risk (August) = Slight (21.06°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passec
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passec
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa Space cooling is specified	Authorised SAP Assessor	



sessor name	Mr Laurie W	Vills			Assessor number	3	906	
ent					Last modified	2	8/04/2017	
dress	R8 Stephens	son House	75 Hampstead Road	, London, NW1				
Check	Evi	idence			P	Produced by		OK?
Criterion 1: predicted car	bon dioxide e	emission fro	om proposed dwellir	g does not exceed the ta	rget			
TER (kg CO ₂ /m ² .a)	Fue	el = N/A el factor = 1 R = 18.13	.00		Ą	authorised SA	AP Assessor	
DER for dwelling as desig CO₂/m².a)	ned (kg DE	R = 16.95			A	uthorised SA	AP Assessor	
Are emissions from dwel designed less than or equ target?	-	R 16.95 < T	ER 18.13		Α	authorised SA	AP Assessor	Passed
Is the fabric energy effici the dwellling as designec or equal to the target?	•	EE 40.4 < TF	EE 41.1		Α	outhorised SA	AP Assessor	Passed
Criterion 2: the performa	ince of the bu	uilding fabri	c and the heating, h	ot water and fixed lightin	g systems should be	no worse tha	an the design	limits
Fabric U-values								
Are all U-values better th design limits in Table 2?	Wa Par Flo Ro	rty wall oor	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Ą	Authorised SA	AP Assessor	Passed
Thermal bridging								
How has the loss from th bridges been calculated?		ermal bridg	ing calculated using	default y-value of 0.15	Α	Nuthorised SA	AP Assessor	
Heating and hot water s	ystems							
Does the efficiency of the systems meet the minim set out in the Domestic H Compliance Guide?	um value		eating scheme ating system: None		۵	Authorised SA	AP Assessor	N/A
Does the insulation of th water cylinder meet the set out in the Domestic H Compliance Guide?	standards	hot water o	cylinder in the dwell	ing	Α	Authorised SA	AP Assessor	
Do controls meet the min controls provision set ou Domestic Heating Compl Guide?	t in the Cha iance			grammer and at least 2 i		Authorised SA	AP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting compl with paragraphs 42 to 44?	y Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	opriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Slight (20.56°) Overheating risk (July) = Medium (22.24°) Overheating risk (August) = Slight (21.91°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of th	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K:) • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa	Authorised SAP Assessor	



sessor name	Mr Laurie	Wills			Assessor numbe	r	3906	
ent					Last modified		28/04/2017	
dress	R9 Stephe	nson House	75 Hampstead Road	, London, NW1				
Check	E	vidence				Produced by	,	OK?
Criterion 1: predicted car	bon dioxide	e emission fr	om proposed dwellir	ng does not exceed the ta	arget			
TER (kg CO ₂ /m ² .a)	F	uel = N/A uel factor = ER = 14.16	1.00			Authorised S	AP Assessor	
DER for dwelling as desig CO ₂ /m ² .a)	ned (kg 🛛 🛛	DER = 12.22				Authorised S	AP Assessor	
Are emissions from dwell designed less than or equ target?	-	DER 12.22 < 1	ER 14.16			Authorised S	AP Assessor	Passed
Is the fabric energy efficie the dwellling as designed or equal to the target?	•	DFEE 27.7 < T	FEE 31.3			Authorised S	AP Assessor	Passed
Criterion 2: the performa	nce of the	building fabr	ic and the heating, h	ot water and fixed lightir	g systems should be	no worse th	an the design	limits
Fabric U-values								
Are all U-values better th design limits in Table 2?	V P F R	Element Vall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)		Authorised S	AP Assessor	Passed
Thermal bridging								
How has the loss from the bridges been calculated?	ermal T	hermal brid	ging calculated using	default y-value of 0.15		Authorised S	AP Assessor	
Heating and hot water sy	/stems							
Does the efficiency of the systems meet the minimu set out in the Domestic H Compliance Guide?	um value		eating scheme ating system: None			Authorised S	AP Assessor	N/A
Does the insulation of the water cylinder meet the s set out in the Domestic H Compliance Guide?	standards	lo hot water	cylinder in the dwell	ling		Authorised S	AP Assessor	
Do controls meet the min controls provision set out Domestic Heating Compli Guide?	t in the C iance		V	ogrammer and at least 2		Authorised S	AP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting compl with paragraphs 42 to 44?	y Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	opriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.68°) Overheating risk (July) = Slight (21.42°) Overheating risk (August) = Slight (21.19°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 5.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of th	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K: i) • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa	Authorised SAP Assessor	



sessor name N	/Ir Laurie Wills			Assessor number	3906	
ent				Last modified	30/05/2017	
ldress R	10 Stephenson Hous	e 75 Hampstead Roa	d , London, NW1			
Check	Evidence			Produ	iced by	OK?
Criterion 1: predicted carbo	on dioxide emission f	rom proposed dwellir	ng does not exceed the ta	irget		
TER (kg CO ₂ /m ² .a)	Fuel = N/A Fuel factor = TER = 13.37	1.00		Autho	orised SAP Assessor	
DER for dwelling as designed $CO_2/m^2.a$)	ed (kg DER = 12.21			Autho	orised SAP Assessor	
Are emissions from dwellin designed less than or equal target?	-	TER 13.37		Autho	orised SAP Assessor	Passed
Is the fabric energy efficien the dwellling as designed le or equal to the target?		TFEE 28.8		Autho	orised SAP Assessor	Passed
Criterion 2: the performance	ce of the building fab	ric and the heating, h	ot water and fixed lightin	g systems should be no w	orse than the desigr	n limits
Fabric U-values						
Are all U-values better than design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Autho	orised SAP Assessor	Passed
Thermal bridging						
How has the loss from ther bridges been calculated?	mal Thermal brid	ging calculated using	default y-value of 0.15	Autho	orised SAP Assessor	
Heating and hot water sys	tems					
Does the efficiency of the h systems meet the minimum set out in the Domestic Hea Compliance Guide?	n value	neating scheme eating system: None		Autho	orised SAP Assessor	N/A
Does the insulation of the H water cylinder meet the sta set out in the Domestic Hea Compliance Guide?	andards	r cylinder in the dwell	ing	Autho	orised SAP Assessor	
Do controls meet the minir controls provision set out in Domestic Heating Complian Guide?	n the Charging syst	7	pgrammer and at least 2 i		orised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	rSchedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8	Authorised SAP Assessor	Passed
	Percentage of low energy lights = 100% Minimum = 75 %		
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (20.44°) Overheating risk (July) = Medium (22.15°) Overheating risk (August) = Slight (21.9°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passec
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passec
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa Space cooling is specified	Authorised SAP Assessor	



sessor name N	Ir Laurie Wills			Assessor number	3906	
ent				Last modified	30/05/2017	
dress R	11 Stephenson Hous	e 75 Hampstead Road , Lo	ondon, NW1			
Check	Evidence			Pro	luced by	OK?
Criterion 1: predicted carbo	on dioxide emission fi	om proposed dwelling do	es not exceed the ta	arget		
TER (kg CO ₂ /m².a)	Fuel = N/A Fuel factor = TER = 13.36	1.00		Auti	norised SAP Assessor	
DER for dwelling as designe CO₂/m².a)	ed (kg DER = 12.91			Aut	norised SAP Assessor	
Are emissions from dwellin designed less than or equal target?	-	FER 13.36		Autl	norised SAP Assessor	Passed
s the fabric energy efficien the dwellling as designed le or equal to the target?		FEE 38.0		Auti	norised SAP Assessor	Passed
Criterion 2: the performand	ce of the building fab	ic and the heating, hot w	ater and fixed lightir	g systems should be no	worse than the desigr	limits
Fabric U-values						
Are all U-values better thar design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	0.00 (max 0.20) N/ (no floor) (no roof)	0 (max 0.70)	Aut	norised SAP Assessor	Passed
Thermal bridging						
How has the loss from ther bridges been calculated?	mal Thermal brid	ging calculated using defa	ult y-value of 0.15	Auti	norised SAP Assessor	
Heating and hot water syst	tems					
Does the efficiency of the h systems meet the minimun set out in the Domestic Hea Compliance Guide?	n value	eating scheme eating system: None		Autl	norised SAP Assessor	N/A
Does the insulation of the h water cylinder meet the sta set out in the Domestic Hea Compliance Guide?	andards	cylinder in the dwelling		Aut	norised SAP Assessor	
Do controls meet the minin controls provision set out in Domestic Heating Complian Guide?	n the Charging syst	g control: em linked to use, progran cylinder in the dwelling	nmer and at least 2		norised SAP Assessor	Passed
Fixed internal lighting						

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	/Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8	Authorised SAP Assessor	Passed
	Percentage of low energy lights = 100% Minimum = 75 %		
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.43°) Overheating risk (July) = Slight (21.19°) Overheating risk (August) = Slight (20.95°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passec
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa Space cooling is specified	Authorised SAP Assessor	



sessor name	Mr Laurie V	WIIIS			Assessor numb	er	3906	
ent					Last modified		30/05/2017	
dress	R13 Stepher	nson House	75 Hampstead Road	d , London, NW1				
Check	Ev	idence				Produced b	y	OK?
Criterion 1: predicted car	bon dioxide	emission fro	om proposed dwellin	g does not exceed the ta	rget			
TER (kg CO₂/m².a)	Fu	el = N/A el factor = 1 R = 13.43	.00			Authorised	SAP Assessor	
DER for dwelling as design CO ₂ /m ² .a)	ned (kg DE	ER = 12.23				Authorised	SAP Assessor	
Are emissions from dwell designed less than or equ target?	-	ER 12.23 < T	ER 13.43			Authorised	SAP Assessor	Passed
Is the fabric energy efficie the dwellling as designed or equal to the target?		EE 24.9 < TF	EE 28.2			Authorised	SAP Assessor	Passed
Criterion 2: the performa	nce of the bu	uilding fabri	c and the heating, h	ot water and fixed lightin	g systems should b	e no worse t	han the design:	limits
Fabric U-values								
Are all U-values better the design limits in Table 2?	Wa Pa Flc Ro	ement all irty wall bor bof benings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)		Authorised	SAP Assessor	Passed
Thermal bridging								
How has the loss from the bridges been calculated?	ermal Th	ermal bridg	ing calculated using	default y-value of 0.15		Authorised	SAP Assessor	
Heating and hot water sy	/stems							
Does the efficiency of the systems meet the minimu set out in the Domestic H Compliance Guide?	um value		eating scheme ating system: None			Authorised	SAP Assessor	N/A
Does the insulation of the water cylinder meet the s set out in the Domestic H Compliance Guide?	standards	o hot water o	cylinder in the dwell	ing		Authorised	SAP Assessor	
Do controls meet the min controls provision set out Domestic Heating Compli Guide?	in the Ch ance			grammer and at least 2 r ing	oom thermostats	Authorised	SAP Assessor	Passed
				-				

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	/ Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Slight (20.71°) Overheating risk (July) = Medium (22.41°) Overheating risk (August) = Medium (22.15°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered) in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa Space cooling is specified	Authorised SAP Assessor	



sessor name N	Ir Laurie Wills		Assessor number	3906	
ent			Last modified	28/04/2017	
dress R	12 Stephenson House	e 75 Hampstead Road , London, NW1			
Check	Evidence		P	roduced by	OK?
Criterion 1: predicted carbo	on dioxide emission fr	om proposed dwelling does not excee	d the target		
TER (kg CO ₂ /m².a)	Fuel = N/A Fuel factor = 1 TER = 18.14	1.00	А	uthorised SAP Assessor	
DER for dwelling as designe CO₂/m².a)	ed (kg DER = 16.34		А	uthorised SAP Assessor	
Are emissions from dwellin designed less than or equal target?	-	ER 18.14	A	uthorised SAP Assessor	Passed
s the fabric energy efficien the dwellling as designed le or equal to the target?		FEE 39.2	A	uthorised SAP Assessor	Passed
Criterion 2: the performand	ce of the building fabr	ic and the heating, hot water and fixed	l lighting systems should be r	no worse than the desigr	limits
Fabric U-values					
Are all U-values better thar design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	Weighted average Highest 0.20 (max 0.30) 0.20 (max 0.70) 0.00 (max 0.20) N/A (no floor) (no roof) 1.30 (max 2.00) 1.30 (max 3.30)	A	uthorised SAP Assessor	Passed
Thermal bridging					
How has the loss from ther bridges been calculated?	mal Thermal bridg	ging calculated using default y-value of	0.15 A	uthorised SAP Assessor	
Heating and hot water syst	tems				
Does the efficiency of the h systems meet the minimun set out in the Domestic Hea Compliance Guide?	n value	eating scheme ating system: None	A	uthorised SAP Assessor	N/A
Does the insulation of the h water cylinder meet the sta set out in the Domestic Hea Compliance Guide?	andards	cylinder in the dwelling	A	uthorised SAP Assessor	
Do controls meet the minin controls provision set out in Domestic Heating Complian Guide?	ovision set out in the Charging system linked to use, programmer and at least 2 roc			uthorised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting compl with paragraphs 42 to 44?	y Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	opriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (20.26°) Overheating risk (July) = Slight (21.98°) Overheating risk (August) = Slight (21.75°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of th	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	 The following party walls have a U-value less than 0.2W/m²K: i) • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m³/(h.m²) is less than 4 m³/(h.m²) at 50 Pa 	Authorised SAP Assessor	



sessor name N	Ar Laurie Wills			Assessor number	3906	
ent				Last modified	30/05/2017	
dress R	R14 Stephenson Hous	e 75 Hampstead Roa	d , London, NW1			
Check	Evidence			Produ	iced by	OK?
Criterion 1: predicted carbo	on dioxide emission f	rom proposed dwellir	ng does not exceed the t	arget		
TER (kg CO ₂ /m ² .a)	Fuel = N/A Fuel factor = TER = 16.74	1.00		Autho	orised SAP Assessor	
DER for dwelling as designed $CO_2/m^2.a$)	ed (kg DER = 14.29			Autho	orised SAP Assessor	
Are emissions from dwellin designed less than or equa target?	-	TER 16.74		Autho	orised SAP Assessor	Passed
Is the fabric energy efficien the dwellling as designed le or equal to the target?	•	TFEE 27.6		Autho	orised SAP Assessor	Passed
Criterion 2: the performance	ce of the building fab	ric and the heating, h	ot water and fixed lighting	ng systems should be no w	orse than the design	n limits
Fabric U-values						
Are all U-values better than design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Autho	orised SAP Assessor	Passed
Thermal bridging						
How has the loss from ther bridges been calculated?	rmal Thermal brid	ging calculated using	default y-value of 0.15	Autho	orised SAP Assessor	
Heating and hot water sys	tems					
Does the efficiency of the h systems meet the minimum set out in the Domestic Hea Compliance Guide?	n value	neating scheme eating system: None		Autho	orised SAP Assessor	N/A
Does the insulation of the H water cylinder meet the sta set out in the Domestic Hea Compliance Guide?	andards	r cylinder in the dwel	ling	Autho	orised SAP Assessor	
Do controls meet the minir controls provision set out in Domestic Heating Complian Guide?	n the Charging sys [:] nce	7	ogrammer and at least 2		orised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting comp with paragraphs 42 to 44?	oly Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has app	ropriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Slight (20.72°) Overheating risk (July) = Medium (22.43°) Overheating risk (August) = Medium (22.19°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of t	he dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettere in practice?	 The following party walls have a U-value less than 0.2W/m²K: ecorridor (0.00) Party (0.00) Design air permeability of 3.5 m³/(h.m²) is less than 4 m³/(h.m²) at 50 Pa Space cooling is specified 	Authorised SAP Assessor	



sessor name	Ar Laurie Wills			Assessor number	3906	
ent				Last modified	30/05/2017	
dress F	15 Stephenson Hous	e 75 Hampstead Roa	d , London, NW1			
Check	Evidence			Produ	ced by	OK?
Criterion 1: predicted carb	on dioxide emission f	rom proposed dwellin	ng does not exceed the t	arget		
TER (kg CO ₂ /m ² .a)	Fuel = N/A Fuel factor = TER = 12.17	1.00		Autho	rised SAP Assessor	
DER for dwelling as designe CO2/m².a)	ed (kg DER = 11.63			Autho	rised SAP Assessor	
Are emissions from dwellir designed less than or equa target?	-	TER 12.17		Autho	rised SAP Assessor	Passed
Is the fabric energy efficier the dwellling as designed lo or equal to the target?	•	TFEE 35.0		Autho	rised SAP Assessor	Passed
Criterion 2: the performan	ce of the building fab	ric and the heating, h	ot water and fixed lighti	ng systems should be no we	orse than the desigr	limits
Fabric U-values						
Are all U-values better that design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) (no roof) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 1.30 (max 3.30)	Autho	rised SAP Assessor	Passed
Thermal bridging						
How has the loss from the bridges been calculated?	rmal Thermal brid	lging calculated using	default y-value of 0.15	Autho	rised SAP Assessor	
Heating and hot water sys	tems					
Does the efficiency of the l systems meet the minimur set out in the Domestic He Compliance Guide?	n value	heating scheme eating system: None		Autho	rised SAP Assessor	N/A
Does the insulation of the water cylinder meet the st set out in the Domestic He Compliance Guide?	andards	r cylinder in the dwel	ling	Autho	rised SAP Assessor	
Do controls meet the minimum controls provision set out in the Domestic Heating Compliance Guide?Space heating control: Charging system linked to use, programmer and at lead No hot water cylinder in the dwelling		-		rised SAP Assessor	Passed	

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	rSchedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8	Authorised SAP Assessor	Passed
	Percentage of low energy lights = 100% Minimum = 75 %		
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.34°) Overheating risk (July) = Slight (21.1°) Overheating risk (August) = Slight (20.88°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 4.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passec
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passec
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa Space cooling is specified	Authorised SAP Assessor	



sessor name	Ar Laurie Wills			Assessor number	3906	
ent				Last modified	28/04/2017	
ldress F	R16 Stephenson House	75 Hampstead Roa	d , London, NW1			
Check	Evidence			Produ	ced by	OK?
Criterion 1: predicted carb	on dioxide emission fr	om proposed dwellir	ng does not exceed the t	arget		
TER (kg CO ₂ /m ² .a)	Fuel = N/A Fuel factor = 1 TER = 17.48	1.00		Autho	rised SAP Assessor	
DER for dwelling as designed CO ₂ /m ² .a)	ed (kg DER = 17.91			Autho	rised SAP Assessor	
Are emissions from dwellir designed less than or equa target?	-	-	46%)	Autho	rised SAP Assessor	Failed
Is the fabric energy efficier the dwellling as designed lo or equal to the target?		FEE 53.2		Autho	rised SAP Assessor	Passed
Criterion 2: the performan	ce of the building fabr	ic and the heating, h	ot water and fixed lighti	ng systems should be no we	orse than the desigr	limits
Fabric U-values						
Are all U-values better tha design limits in Table 2?	n the Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) 0.12 (max 0.20) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 0.12 (max 0.35) 1.30 (max 3.30)	Autho	rised SAP Assessor	Passed
Thermal bridging						
How has the loss from the bridges been calculated?	rmal Thermal bridg	ing calculated using	default y-value of 0.15	Autho	rised SAP Assessor	
Heating and hot water sys	tems					
Does the efficiency of the l systems meet the minimur set out in the Domestic He Compliance Guide?	n value	eating scheme ating system: None		Autho	rised SAP Assessor	N/A
Does the insulation of the water cylinder meet the st set out in the Domestic He Compliance Guide?	andards	cylinder in the dwell	ing	Autho	rised SAP Assessor	
Do controls meet the minin controls provision set out i Domestic Heating Complia Guide?	n the Charging systen		pgrammer and at least 2		rised SAP Assessor	Passed

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	v Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	priate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (19.11°) Overheating risk (July) = Slight (20.87°) Overheating risk (August) = Slight (20.6°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 5.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered) in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) The following roofs have a U-value less than 0.13W/m ² K: • Roof 1 (0.12) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa	Authorised SAP Assessor	



sessor name	Mr Laurie	e Wills			Assessor numb	er 3	906	
ent					Last modified	2	28/04/2017	
dress	R17 Step	henson House	e 75 Hampstead Roa	d , London, NW1				
Check		Evidence				Produced by		OK?
Criterion 1: predicted c	arbon dioxid	de emission fr	om proposed dwellir	ng does not exceed the ta	arget			
TER (kg CO ₂ /m².a)		Fuel = N/A Fuel factor = TER = 14.95	1.00			Authorised SA	AP Assessor	
DER for dwelling as des CO ₂ /m ² .a)	igned (kg	DER = 14.19				Authorised SA	AP Assessor	
Are emissions from dw designed less than or e target?	-	DER 14.19 < 1	ER 14.95			Authorised SA	AP Assessor	Passed
Is the fabric energy effi the dwellling as design or equal to the target?		DFEE 34.7 < T	FEE 37.9			Authorised SA	AP Assessor	Passed
Criterion 2: the perform	nance of the	e building fabr	ic and the heating, h	ot water and fixed lightir	g systems should b	e no worse tha	in the design	limits
Fabric U-values								
Are all U-values better design limits in Table 2	?	Element Wall Party wall Floor Roof Openings	Weighted averag 0.20 (max 0.30) 0.00 (max 0.20) (no floor) 0.12 (max 0.20) 1.30 (max 2.00)	e Highest 0.20 (max 0.70) N/A 0.12 (max 0.35) 1.30 (max 3.30)		Authorised SA	AP Assessor	Passed
Thermal bridging								
How has the loss from bridges been calculated		Thermal bridg	ging calculated using	default y-value of 0.15		Authorised SA	AP Assessor	
Heating and hot water	systems							
Does the efficiency of t systems meet the mini set out in the Domestic Compliance Guide?	mum value		eating scheme ating system: None			Authorised SA	AP Assessor	N/A
Does the insulation of t water cylinder meet th set out in the Domestic Compliance Guide?	e standards		cylinder in the dwell	ing		Authorised SA	AP Assessor	
Do controls meet the n controls provision set o Domestic Heating Com Guide?	out in the pliance	/	V	grammer and at least 2	room thermostats	Authorised SA	AP Assessor	Passed
				-				

Check	Evidence	Produced by	OK?
Does fixed internal lighting comply with paragraphs 42 to 44?	y Schedule of installed fixed internal lighting Standard lights = 0 Low energy lights = 8 Percentage of low energy lights = 100% Minimum = 75 %	Authorised SAP Assessor	Passed
Criterion 3: the dwelling has appro	ppriate passive control measures to limit solar gains		
Does the dwelling have a strong tendency to high summertime temperatures?	Overheating risk (June) = Not significant (18.83°) Overheating risk (July) = Slight (20.61°) Overheating risk (August) = Not significant (20.41°) Region = Thames Thermal mass parameter = 250.00 Ventilation rate in hot weather = 5.00 ach Blinds/curtains = Light-coloured curtain or roller blind	Authorised SAP Assessor	Passed
Criterion 4: the performance of the	e dwelling, as designed, is consistent with the DER		
Design air permeability (m³/(h.m²) at 50Pa)	Design air permeability = 3.50 Max air permeability = 10.00	Authorised SAP Assessor	Passed
Mechanical ventilation system Specific fan power (SFP)	Not applicable	Authorised SAP Assessor	
Have the key features of the design been included (or bettered in practice?	The following party walls have a U-value less than 0.2W/m ² K: • corridor (0.00) • Party (0.00) The following roofs have a U-value less than 0.13W/m ² K: • Roof 1 (0.12) Design air permeability of 3.5 m ³ /(h.m ²) is less than 4 m ³ /(h.m ²) at 50 Pa	Authorised SAP Assessor	