

| 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 | |