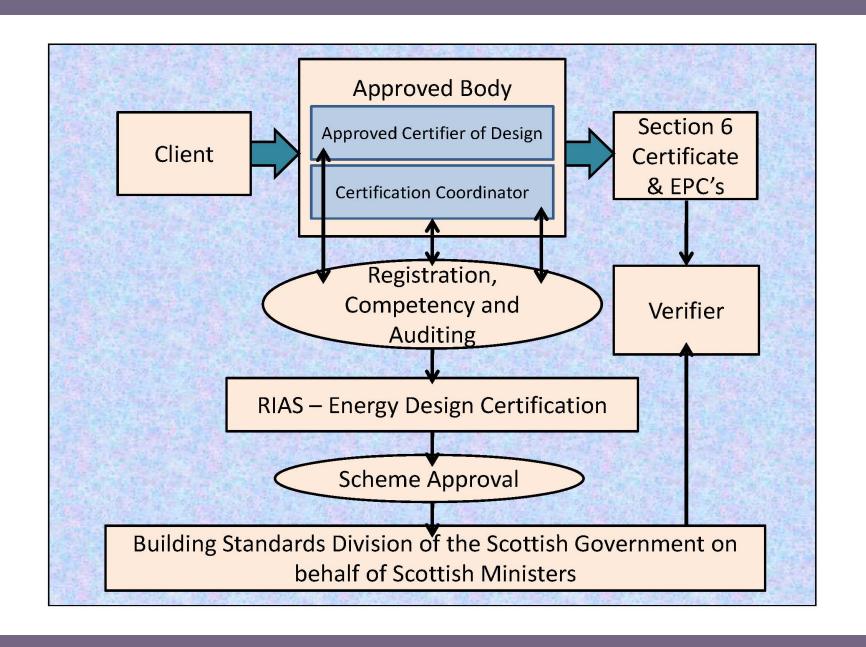
### RIAS – Energy Design Certification

Competency, Certification Practice, Liability, Insurances and Added Value



Richard Atkins frias riba



An individual with the appropriate understanding of their role, the qualifications and the experience required to certify that specified aspects of design comply with the *Building (Scotland) Regulations* 2004 and subsequent amendments. Approved Certifiers of Design may be approved by a Scheme Provider under Section 7(2) of the Act or by the Scottish Ministers under Section 7(1)

All Approved Certifiers of Design Section 6 – Energy must meet the minimum membership criteria to pre-qualify to join:

- Listed on the Architects Registration Board
- •Chartered Member of CIAT
- •Chartered Member of CIBSE
- •Or
- o have a minimum of an NVQ or SVQ Level IV or equivalent qualification in a construction related discipline
- o plus a minimum of 5 years experience in completing building warrant applications
- o plus have had specific training related to the energy design & performance of buildings or can demonstrate that 2 recent warrants have been granted by a Scottish local authority based on a DER / TER compliance calculation that they have prepared

# On-line Competency Tests



#### RIAS-regs.co.uk

The Royal Incorporation of Architects in Scotland

Home | My Details 👿 View Basket | My Account Log off Online Test Please answer the following questions by selecting your answer for each question. When you have answered all 5 questions, please click the button marked 'Submit'. Module 1: Roles, Duties and Procedures In the event that an Approved Body has not acted within the rules, limitations or conditions of the Scheme, which of the following sanctions cannot be imposed upon them as recommended by the Disciplinary Panel? O Termination. O Reprimand with fines. O Reprimand with an extraordinary audit within 6 months. O Reprimand without fines. Certification Coordinators of Approved Bodies will be issued with a certificate of membership of the Scheme. Under what circumstances would a Certification Coordinator have to return their certificate of membership of the scheme and to whom? O Should the Approved Body cease to be a member of the scheme for whatever reason their certificate should be returned to the RIAS. Should the Approved Body for whatever reason have unpaid membership fees for a month their certificate should be returned to the RIAS. O Should the Certification Coordinator change employer their certificate should be returned to the Approved Body who were employing them. O Should the Approved Body cease to be a member of the scheme for whatever reason their certificate should be returned to the SBSA. Approved Bodies that have several offices or branch offices can be considered eligible for membership under which circumstances? Only offices or branch offices that make individual applications for each branch office that Only offices or branch offices that make individual applications for each branch office that wishes to offer certification services and employ at least one Certifier are eligible for Only offices or branch offices that make individual applications for each branch office that wishes to offer certification services and employ at least one Certifier at each of these offices/branch offices are eligible for membership Only offices or branch offices that make individual applications for each branch office that wishes to offer certification services and employ at least one Certifier and one Certification Coordinator are eligible for membership Which of the following is NOT a required function of an Approved Certifier of Design? O Must adhere to the ARB or CIAT Code of Conduct and the Codes of Conduct of RIAS and O Do not certify work designed by others without carrying out necessary checks to satisfy themselves of the adequacy of the design and compatibility O Acknowledge that for some projects they may lack appropriate experience to enable them to act as the Certifier O Must ensure that the conditions under which the Approved Body was approved for the Scheme are fulfilled and maintained Which of the following is NOT true? The RIAS Scheme Review Panel shall... O Report regularly to the RIAS Practice Board OHave the authority to make recommendations for amendments and revisions to the Scheme Not have the Authority to appoint Approved Certifiers as it sees fit O Have the authority to Appoint Auditors to monitor the performance of Approved Certifiers of

Submit



### Practical SAP Test

#### Home Energy &

Data Services Limited

## Standard Assessment Procedure (SAP) A USER FRIENDLY GUIDE (WE HOPE...)

June 2012 Version 3.2

Updated to incorporate SAP 2009 in the body of the text

#### www.Home-Data.co.uk

Home Energy and Data Services Limited Reg; SC315973 VAT Reg No: 915 9231 21 1 Carlaverock Farm Cottages Tranent EH33 2NF Tel 01875 614105 san tests@Home-Data.co.uk



### RIAS Energy Design Certification Certification Checklist

Version 1.0 June 2010

This Checklist is available as a word document on request from the Scheme Administrator



## Certification Checklist

		5	10 11 11	5
cklist y complete those boxes that are relevant.  use of abbreviations is acceptable, where renced otherwise insert full text.		Designer ie: Certifier, Other Designer (name) or Performance Specification	Supporting Information ie: On drawings, calculations, specialist reports, manufacturers literature / certificates or Schedule 1 item	Design Provision ie: Within limits set, or British Standard, Eurocode etc cited, or calculations attached, or Form Q required, etc
		ACD, (name), PS	D, Calc, SR, ML, Cert, S1	(reference), Calc, Q
Introd	uction			
6.0.1	Background			
6.0.2	Aims			
6.0.3	General guidance			
6.0.4	U-Values			
6.0.5	Thermal conductivity			
6.0.6	Insulation envelope where U-Values should be ignored			
6.0.7	Buffering effects on the insulation envelop			
6.0.8	Roof that performs the function of a floor			
6.0.9	Conservatories and atria			
6.0.10	Annexes to guidance			
6.0.11	Calculation of areas			
6.0.12	Latest changes			
	n dioxide emissions			
6.1	Functional standard			
6.1.0	Introductions			
6.1.1 6.1.2	Dwellings			
6.1.3	Setting the TER Calculating DER			
6.1.4		+		
6.1.5	Buildings with multiple dwellings Common areas			
6.1.6	A simplified approach	+		
6.1.7	Conservatories and stand alone buildings			

- Step 1 Check that sufficient general arrangement, construction details and services installation plans of the proposed building have been prepared to provide the general level of information required by the procedure regulations as summarised in Section 2 above.
- Step 2 Check that the information listed in the checklist (6.0) has been shown on plans and supporting information, reports and schedules and that this is reflected in any energy calculation(s) for the project and assessment of compliance with minimum provisions within published guidance.
- Step 3 Prior to issue of a Certificate of Design, confirm that the information used in any energy calculation(s) for the project and in assessment of compliance is included in the building warrant submission. This will only usually be necessary where the Approved Certifier is not also the party submitting the building warrant application.



Contact He

A Certificate of Design certifies that the design described in the application complies with the Building (Scotland) Regulations 2004 and subsequent amendments. The Certificate is only valid under the Act when issued by an Approved Certifier of Design



Certificate Number: C0000424 Stage 2

Project Name: Haldane A, Miller Road

Parent Certificate Number: C0000424
Building Warrant Number: 12/038
Schedule 1 Form Attached: Yes

#### PART A: To be completed by the Approved Certifier of Design

Project Location: Miller Road Type of Works: New build

Alexandria Project Reference: 12/06

Description of Works: Erection of 9 houses and 6 flats.

Staged Warrant: Stage 2 - Stage 2 - Superstructure

I certify that I have used reasonable skill, care and diligence in the consideration of this design for the project described in the application.

- The energy design complies with the Building (Scotland) Regulations 2004 (as amended) with respect to Standards 6.1 to 6.10 (Domestic) (see note 2).
- Where this certificate relates to an application for a stage, the design of this stage is consistent with the design of any previously certified stages.
- iii. I am registered by the Scottish Government Building Standards Division as competent to certify the design of such
- iv. The building, when converted in accordance with the warrant application, will comply with the requirements applicable to energy contained within Regulation 12 of the Building (Scotland) Regulations 2004 (as amended).

Note 1: This certificate has been issued in support of an application for building warrant under the Building (Scotland) Act 2003 only and must not be used or relied upon for any other purpose including under any contract to which the Certifier is not a narty.

Note 2: This certificate must relate to the building regulations in force at the date the building warrant application is made.

Note 3: This certificate relates solely to the design of the building (or the design up to the stage of construction to which the certificate relates) and does not certify any aspects of construction.

Note 4: Any energy details which have yet to be designed in detail and for which a performance specification has been supplied with the building warrant application are listed in Schedule 1 accompanying this certificate.

Signature	Date
Name: Richard Atkins	Certifier Registration No: RIA1-D-00002

#### PART B: To be completed by the Certification Coordinator of the Approved Body

I confirm that the person signing Part A is an Approved Certifier of Design and is a principal in or is employed by this Approved Body. This body is registered by the Scottish Government Building Standards Division to provide certification services for Design (Section 6 - Energy) Domestic and employs at least one Approved Certifier under that scheme. I am registered as the certification coordinator for this body.

Signature ..... Date .....

Name: Richard Atkins Approved Body Registration No: RIAI-DB-00001

Approved Body: Richard Atkins, Chartered Architect

## Quality Assurance



#### **RIAS Energy Design Certification**

#### Quality Assurance Guidance for Approved Bodies

Version 1.0 June 2010



# Information on Warrant Applications

Procedural Guidance on Certification including information to be submitted with a Building Warrant Application

April 2010 Version 2



# Insurance and Liabilities

#### RIAS

#### INSURANCE SERVICES

#### PROFESSIONAL INDEMNITY SMALL PRACTICE POLICY SCHEDULE



25 YEARS OF SERVICE 1984-2009

MASTER POLICY NUMBER:

24339654 LAL

1 THE INSURED:

Richard Atkins Chartered Architect

2 PRINCIPAL ADDRESS OF THE INSURED:

1 Carlaverlock Farm Cottages

Tranent East Lothian

EH33 2NF

THE POLICY PERIOD:

From: 01 July 2009

30 June 2010

both days inclusive

4 THE LIMIT OF INDEMNITY: £1,000,000.00

each and every claim

5 THE EXCESS:

£750.00

each and every claim

THE TOTAL PREMIUM:

£1,250.00 (includes 5% IPT)

7 DATE OF PROPOSAL/RENEWAL DECLARATION FORM: 01 June 2009

#### Insurers:

Aviva Insurance Limited QBE Insurance (Europe) Ltd Hiscox Insurance Co Ltd 48% 32% 20%

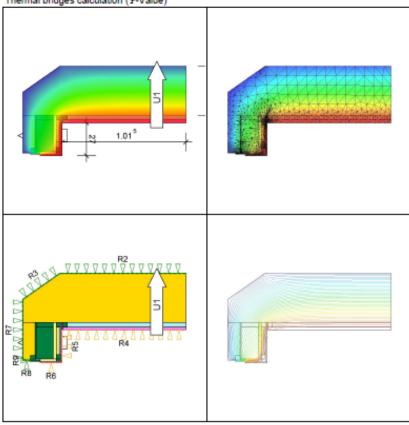
Signed on behalf of the Insurer

Director/Authorised Signatory

## Optimising the Design

Building project:
Psi-Therm 2011
Date: 7.7.2012

Thermal bridges calculation (Y-Value)

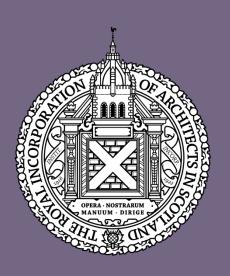


Nr.	Description	Length	U-value	Correction factor
U1	U1	1.015 m	0.09 W/(m²K)	F_e (1.00)
U2	U2	0.255 m	0.15 W/(m²K)	F_e (1.00)

#### Thermal bridges calculation $\Psi$ = +0.061 W/(mK)

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