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## **FIRAS CERTIFICATION SCHEME**

### **REQUIREMENTS FOR CONTRACTORS INSTALLING RESIDENTIAL AND DOMESTIC SPRINKLER SYSTEMS**

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## 1. Issue Status and Amendment

- 1.1 If this is a controlled copy of the FIRAS requirements for contractors installing residential and domestic sprinkler systems, the organisation to which it has been issued will be provided with details of any changes in accordance with the amendment procedure below. The control status of the document is identified on page 1. Controlled copies are identified as such and are issued as working documents. Uncontrolled copies are issued for information only and will not be updated and should therefore not be treated as working documents.
- 1.2 Each page of the document is identified by a page number, issue number and date. Where an amendment is made, the revised page will bear a new issue number and date of amendment. Original, unamended pages of the document will remain as issue 1.
- 1.3 Where an amendment requires an extra page to be inserted, this is numbered with the number of the preceding page but with the addition of a letter suffix, eg 10A will be inserted between pages 10 and 11 and 10B will follow 10A. The new pages are dated in the normal way.
- 1.4 Any amendment to this document will be identified on the Amendment Page, which will be re-issued to holders of controlled copies with the amended sections/pages. Revised pages shall be inserted in place of existing pages or between existing pages and superseded pages shall be discarded. Where a significant number of amendments are made to this document the entire document will be re-issued under a new issue number. In such cases holders of the document shall destroy the previous issue.
- 1.5 The Amendment Page and the relevant revised pages will be produced by FIRAS, following agreement with the FIRAS Sector Liaison Group, and issued to the holders of each controlled copy of the document, together with an acknowledgment slip (document transmittal) which shall be signed and returned to FIRAS to confirm that the document has been amended. It shall be the responsibility of the nominated representative of the organisation holding a controlled copy of the document to ensure that the document is maintained in an up to date condition at all times.
- 1.6 To ensure that a permanent record is available of all amendments, FIRAS maintains a file of all superseded pages which are marked with the date of withdrawal. The record is held on file indefinitely in order to allow FIRAS to determine the past requirements of the scheme at any time.



## 2. Introduction

- 2.1 These requirements relate to the FIRAS scheme of independent assessment and certification of contractors who install residential and domestic sprinkler systems and they form part of any and all agreements entered into with any party for the purposes of the scheme.
- 2.2 This scheme does not preclude contractors from installing industrial sprinkler systems under other scheme requirements.
- 2.3 Installation is deemed to include the design, installation and commissioning of residential and domestic sprinkler systems. Contractors shall take responsibility for all aspects of the installation. Contractors should also offer an appropriate service and maintenance contract to the client/end user. When commissioned to provide such a service, the contractor shall take full responsibility for the service.
- 2.4 The scheme is operated and controlled under the name of FIRAS by Warrington Certification Ltd, who are the authority under which certification against the scheme requirements is awarded. FIRAS is an operating division of Warrington Certification Ltd.
- 2.5 All bona fide contractors involved in the installation of residential and domestic sprinkler systems may apply for certification against the scheme requirements.
- 2.6 The main features of the scheme are:
- All installations shall be to BS DD 251:2000 and subsequent updates, or other similar standards (eg NFPA 13D and 13R)
  - All contractors shall employ suitably trained staff
  - An initial pre-certification inspection of office and site installation
  - On-going surveillance of approximately 5% of all installation work
  - Annual inspections of office and site installation
  - A requirement to notify FIRAS of all contracts awarded using Contracts in Hand Form
  - Issue of Certificates of Compliance for all contracts
  - Retrospective certification of systems installed prior to the development of this certification scheme
- 2.7 Having demonstrated compliance to these scheme requirements, contractors will be awarded certification and added to the FIRAS Register of Contractors for residential and domestic sprinkler systems.
- 2.8 Liaison between FIRAS and the industry will be effected through a FIRAS Liaison Group. This will generally comprise two representatives of FIRAS and two representatives from the Fire Sprinkler Association (FSA). Other groups may be invited to attend if it is considered appropriate. The general terms of reference of this group will be:
- To continually develop and update the scheme
  - To coordinate the views of industry
  - To promote the scheme
- 2.9 The FIRAS fee structure for this scheme is available on request.

2.10 The version of these requirements used by the contractor shall be the version current at the time. All those affected shall be advised by FIRAS in writing of any amendments and the applicable dates.

### 3. Definitions

- 3.1 **The Scheme** – the FIRAS scheme covering the certification of contractors who are responsible for the installation of residential and domestic sprinkler systems and as described in these requirements.
- 3.2 **Applicant** – the organisation (company, partnership, sole trader etc) that is seeking certification within the scheme.
- 3.3 **Contractor** – the organisation (company, partnership, sole trader etc) who is responsible for the installation of residential and domestic sprinkler systems.
- 3.4 **Installation** – is deemed to include the design, installation, commissioning and maintenance (if appropriate) of residential and domestic sprinkler systems.
- 3.5 **Training** – attendance and certification from an FSA training course or a FIRAS recognised training course. Certification to be updated every three years by attendance at an FSA or FIRAS recognised refresher course.
- 3.6 **In-house Training** – training provided by a contractor, for installation and maintenance, to a documented schedule, approved by FIRAS. Training to be updated every three years by attendance at an in-house refresher course.
- 3.7 **Project Manager** – a directly employed person who is responsible for the day to day control and management of the contract and who is authorised to sign the certificate of compliance.
- 3.8 **Installation staff** – persons who have demonstrable competence in residential and domestic sprinkler systems and are directly employed and who have received appropriate in-house training.
- 3.9 **Subcontract Installation staff** – persons who have demonstrable competence in residential and domestic sprinkler systems and who have received appropriate in-house training and who are authorised to work under a subcontract agreement.
- 3.10 **Designer** – a person who has successfully completed the FSA or FIRAS recognised training module for design of residential and domestic sprinkler systems. He may be directly employed or employed as a subcontractor.
- 3.11 **Authority having jurisdiction** – a body who has a vested interest in the installation of the sprinkler system eg Building Control Body, Fire Authority, Insurer.

## **4. Scheme Technical Requirements**

### **4.1 Specification**

All installations shall be designed and installed in accordance with BS DD 251:2000 (DD 251) and subsequent updates, or other similar recognised standards (eg NFPA 13D/13R).

### **4.2 Personnel**

A contractor shall have a minimum of one member of staff (Project Manager) who is directly employed and who has successfully completed (as a minimum) an FSA training course or a FIRAS recognised training course in the installation and maintenance of residential and domestic sprinkler systems.

All installation and subcontract installation staff shall have received appropriate in-house training.

A contractor shall provide evidence of subcontract staff arrangements (designers and installers). For guidance, a model subcontract agreement is given in Appendix 5.

### **4.3 Initial pre-certification inspection of office and site installation**

4.3.1 FIRAS will carry out a pre-certification inspection of the contractor's office premises. The contractor shall demonstrate that a management system and procedures are in place that will ensure that, for example:

- Procurement of all materials is in accordance with DD 251 or similar
- Storage and handling of all products is in accordance with manufacturers recommendations
- Records are maintained which give full details of installations, including details of the design, materials and personnel involved (Appendix 6 gives details of the information required on or with as installed drawings).
- Quality control information is available for all contracts carried out
- Records are kept of certificates of compliance issued
- Records are kept of contracts in hand
- Records of training details are available
- Subcontract details are available

4.3.2 In addition, FIRAS will inspect two installations on site. These inspections will comprise, but not be restricted to, checks on:

- Position of heads and pipe sizes
- Storage of equipment
- Records of alterations
- Records given to client
- Type and position of brackets
- Location of control equipment
- Audibility of alarms
- Commissioning tests and records of commissioning tests

- 4.3.3 Subject to a satisfactory inspection of the office premises and the two sites, full certification will be awarded. The certificated contractor will then be allowed to use the FIRAS mark as described in Appendix 4.
- 4.3.4 If no installation work is available for inspection and the office inspection has been acceptable, provisional certification will be issued to the contractor with the proviso that FIRAS shall be notified of the first two contracts, in order to allow inspection. Subject to a satisfactory inspection of these two contracts, full certification will be awarded. During provisional certification, use of the FIRAS mark is not allowed.

#### **4.4 On-going surveillance of installation work**

- 4.4.1 After certification has been awarded to a contractor, on-going surveillance of installation work will be carried out by FIRAS.
- 4.4.2 Approximately 5% of contracts will be inspected. The number of inspections may be increased or decreased at the sole discretion of FIRAS in light of the performance of the contractor.
- 4.4.3 The choice of sites for inspection will be made by FIRAS based on the information given on the contracts in hand forms.
- 4.4.4 The time and date for inspection visits will be decided by FIRAS and may be unannounced.

#### **4.5 Annual inspections of office and site installation**

- 4.5.1 At approximately yearly intervals from the date of the award of certification, annual inspections of the office and site will be carried out by FIRAS. These inspections will comprise an inspection of the office procedures described in 4.3.1 and a visit to at least 2 sites.
- 4.5.2 Any minor non-compliances shall be closed out via post or at the next surveillance. Any major non-compliances identified during the annual inspection may, at the discretion of FIRAS, require a special follow-up visit which may involve visiting further sites. The need for such a visit will be discussed and agreed with the contractor.

#### **4.6 Contracts in Hand Forms**

- 4.6.1 All contracts, immediately upon award, shall be notified to FIRAS using the contracts in hand form as shown (for illustration only) in Appendix 2. This shall be done electronically, via the FIRAS website at [www.firas.co.uk](http://www.firas.co.uk).
- 4.6.2 Upon receipt by FIRAS, the contractor will be given a unique reference number (URN) for that contract. This number shall be used on other FIRAS documentation, such as the certificate of compliance, as shown (for illustration only) in Appendix 3.

#### **4.7 Certificates of Compliance**

- 4.7.1 All contracts, on completion, shall be issued with a certificate of compliance by the certificated contractor, as shown in Appendix 3. The certificate of compliance shall be completed electronically, via the FIRAS website at [www.firas.co.uk](http://www.firas.co.uk). This certificate shall be issued to:
- The Client (signed original)
  - Copy to FIRAS
  - Copy to contract file
  - Copy to authority having jurisdiction (eg Building Control Body)
- 4.7.2 The purpose of the certificate of compliance shall be to demonstrate system and component compliance with DD 251 (or similar) and to record any variations from DD 251 (or similar) that have been agreed with the authority having jurisdiction.
- 4.7.3 The certificate of compliance shall be signed by a duly authorised employee of the certificated contractor.
- 4.7.4 The unique reference number (URN) issued by FIRAS on completion of the Contracts in Hand form must appear on the certificate.
- 4.7.5 In the case of multiple installations, eg a block of flats, a separate certificate shall be issued for each individual flat.
- 4.7.6 The contractor shall ensure that the maintenance log book and as fitted drawings are attached to the certificate of compliance for use by the client.
- 4.7.7 The certificate of compliance shall be issued to the installed system owner to be retained with the system log book.

#### **4.8 Retrospective certification of systems installed prior to the issue of this certification scheme**

- 4.8.1 This scheme allows for the retrospective certification of systems installed prior to the development of this certification scheme.
- 4.8.2 Such certification shall only be carried out by certificated contractors within this scheme.
- 4.8.3 If requested to certify a system by a client, the certificated contractor shall treat the work like any other project.
- 4.8.4 The contractor shall issue a contract in hand form to FIRAS and the contract may be inspected in the same way as any other. The project will not be treated in any special way.
- 4.8.5 FIRAS reserves the right to inspect all jobs of this nature.

## 5 Application for Certification

5.1 An application for certification shall be made on the Application Form together with the fee for the initial inspection. This Form is available for electronic submission on the FIRAS website [www.firas.co.uk](http://www.firas.co.uk).

5.2 For any further information or details, please contact FIRAS at:

FIRAS  
Warrington Certification Ltd  
Holmesfield Rd  
Warrington  
WA1 2DS

Tel: 01925 646666

Fax: 01925 646667

Email: [info@firas.demon.co.uk](mailto:info@firas.demon.co.uk)

Ask for Jayne Dennett or Graham Orme

## 6. Scheme Regulations

- 6.1 The technical requirements of the scheme are given in section 4 of this document.
- 6.2 Applicants and certificated contractors shall nominate a contact representative and, if appropriate, one or more deputies, authorised to act in the main nominee's absence, who shall be responsible for all matters relating to their FIRAS Certification and via whom all communications between FIRAS and the company shall be directed.
- 6.3 Applicants and certificated contractors shall be responsible for allowing FIRAS free access to offices and sites during normal working hours for the purposes of conducting initial, surveillance and annual inspections and for providing information and facilities as may reasonably be required by FIRAS.
- 6.4 The nominated representative shall be responsible for informing FIRAS, immediately upon award, of all contracts. This shall be done by completion of the Contracts in Hand Form.
- 6.5 All contracts, on completion, shall be issued with a Certificate of Compliance by the certificated contractor.
- 6.6 Certificated contractors may use subcontract installation staff provided that the subcontract staff have received suitable training and that the certificated contractor has established subcontract agreements with them. For guidance, a model subcontract agreement is given in this document.
- 6.7 Certificated contractors shall have the right to use the FIRAS mark as given in this document. Any promotional material using the FIRAS mark shall be first submitted to FIRAS for approval. If FIRAS considers the wording or illustration to be misleading in any way, the certificated contractor shall amend the material to the satisfaction of FIRAS. The certificated contractor's right to use the mark is not transferable without the written permission of FIRAS.
- 6.8 A certificated contractor shall not undertake the installation of any residential or domestic sprinkler system outside these scheme requirements at his discretion or in accordance with the wish of a third party.
- 6.9 A certificated contractor may terminate his certification upon written notification to FIRAS. Such termination may either take immediate effect or it may be agreed to take effect at the next anniversary of the certification date. Upon termination by the certificated contractor or by FIRAS in accordance with these requirements, the contractor shall forthwith discontinue the use of both the FIRAS mark and all claims of certification under the scheme. No further fees will be due from the date of termination except for unpaid fees accruing from before the date of termination. No fees already paid will be refunded.
- 6.10 FIRAS may, at its discretion, revoke, amend, refuse to grant, renew or extend certification if a certificated contractor fails to comply with the provisions of these requirements or becomes subject to the bankruptcy laws or enters into liquidation or is convicted of any offence tending to discredit its bona fides. Such a decision and the grounds for it will be communicated to the certificated contractor in writing.
- 6.11 FIRAS certification shall be re-assessed on a 5 yearly basis.

- 6.12 The FIRAS fee structure for this scheme is given in a separate FIRAS document and is available on request. Failure to pay fees as stated in this document within the specified time shall render a certificated contractor liable to certification being revoked.
- 6.13 FIRAS will investigate any complaint against a certificated contractor received from a third party concerning the certificated contractor's performance in respect of the scheme requirements. FIRAS will, at its discretion, notify the certificated contractor of such complaints in order that corrective actions can be agreed and implemented.
- 6.14 Applicants and certificated contractors have the right of appeal against any decision made by FIRAS against these requirements and in respect of their application or certification.
- 6.14.1 Notice of any appeal shall be made in writing to FIRAS within 14 days of official notification of the decision.
- 6.14.2 Appeals will be heard by an Appeals Panel specifically constituted for this purpose. The Panel will comprise 3 members of the Warrington Certification Ltd Management Council, as selected by the Chairman. They will be selected such that no member has any direct or indirect commercial interest in the appeal. The Chairman will not be a member of the Appeals Panel.
- 6.14.3 When the subject of the appeal involves technical matters, the Chairman may arrange for one or more persons having suitable technical expertise to be available for consultation by the Appeals Panel. In such cases the Chairman will ensure that the persons nominated have no previous involvement with the certification issue in question.
- 6.14.4 The appellant will be notified of the composition of the Appeals Panel and any technical advisors to be made available to the panel at least 14 days before the date of the meeting. The appellant may challenge the composition of the panel and/or the technical advisors within 4 days of being informed of the composition and shall provide written reasons for any challenge.
- 6.14.5 The Chairman of the Appeals Panel will consider the reasons for any challenge and at his sole discretion will decide whether the composition of the Panel or technical advisors will be changed. In choosing any replacements, the Chairman of the Appeals Panel will take into account the reasons for the challenge to ensure that as far as possible the same objections will not apply to the replacements. No further challenges will be considered.
- 6.14.6 The appellant has the right to be supported at the hearing of the Appeals Panel by a representative of his choice. Any such representative shall be notified to the Chairman of the Appeals Panel 14 days prior to the hearing. The Chairman has the right, on behalf of the Appeals Panel, to challenge any such nomination.
- 6.14.7 The decision of the Appeals Panel will be decided by a simple majority and the decision will be final.
- 6.14.8 The Manager of FIRAS will be responsible for arranging the meeting of the Appeals Panel which will be held within 30 days of receipt of the notification of an appeal at a time and place to be advised to the appellant at least 7 days in advance.
- 6.14.9 The original decision will remain in force pending the meeting of the Appeal Panel at which both the appellant, the FIRAS Manager and any other relevant member of FIRAS/WCL will be entitled to be heard in confidence. The FIRAS Manager or any other person nominated by the Appeals Panel will be responsible for implementing the decision of the Panel. The Chairman of the Appeals Panel will ensure that the appropriate action is correctly implemented.

- 6.15 FIRAS will not disclose to any third party any information about a contractor or his activities gained as a result of carrying out certification of the contractor which may be considered confidential, without the contractor's consent. This restriction will not apply to information required by bona fide accreditation bodies such as UKAS in pursuance of accreditation of the scheme, provided that such information is given to such bodies on a confidential basis. Restrictions will not apply to information which is considered to be in the public domain and available on request to any interested party.
- 6.16 A certificated contractor shall indemnify FIRAS against any financial losses that FIRAS may incur as a result of the certificated contractor's failure to comply with these scheme requirements. FIRAS will maintain insurance cover against liability claims made against it and which may arise from operation of the scheme. The level of cover will be determined by FIRAS to be reasonable in respect of its potential liabilities bearing in mind those prevailing within the certification industry in general.
- 6.17 The interpretation of these requirements and the terms of the insurance cover will be governed and construed in accordance with English Law and in the event of any dispute parties shall submit to the jurisdiction of the English Courts.
- 6.18 Certificated contractors shall comply with the scheme requirements currently in force. These requirements may from time to time be amended at the discretion of FIRAS. Such amendments will be notified in writing to certificated contractors with dates for implementation of the revisions.
- 6.19 Copyright of this document is held by Warrington Certification Ltd. No part of this document may be reproduced in any form without the prior permission of Warrington Certification Ltd in writing. Permission to copy this document for internal use is automatically given to applicants and certificated contractors. Such copies are uncontrolled and this status shall be identified on each copy.



## APPENDIX 1

### FIRAS CERTIFICATION SCHEME

#### APPLICATION FORM

<b>Contractor's Name:</b>			
<b>Address:</b>	<b>Street</b>		
	<b>Town</b>		
	<b>County</b>		
<b>Postcode:</b>			
<b>Contact:</b>	<b>Title:</b>	<b>Name:</b>	
	<b>Position:</b>		
<b>Telephone:</b>		<b>Fax:</b>	
<b>Mobile:</b>		<b>E-mail:</b>	
<b>Company Structure:</b>			
<b>Nature of Business:</b>			
<b>No. of employees:</b>			
<b>Training Details:</b>	<b>No employees trained by:</b>  *to a FIRAS approved schedule	<b>FSA</b>	
		<b>FIRAS recognised</b>	
		<b>In-House *</b>	
<b>Details of other Certification/Registration</b>			
<b>Trade Association Membership:</b>			
<b>Has not previously installed residential/domestic sprinklers</b>			
<b>Give any other details relevant to your application:</b>			
<b>Name:</b>	<b>Title:</b>	<b>Name:</b>	
<b>Position:</b>		<b>Position:</b>	
<b>Telephone:</b>		<b>Fax:</b>	
<b>Mobile:</b>		<b>E-mail:</b>	
<b>Date:</b>			



**APPENDIX 2**  
**FIRAS CERTIFICATION SCHEME**  
**CONTRACTS IN HAND FORM**

<b>FIRAS Certification No.</b>		<b>URN</b>	
<b>Contractor's Name:</b>			
<b>Address:</b>	<b>Street</b>		
	<b>Town</b>		
	<b>County</b>		
<b>Postcode:</b>			
<b>Contact Details:</b>	<b>Name:</b>	<b>Position:</b>	
	<b>Telephone:</b>	<b>Fax:</b>	
	<b>Mobile:</b>	<b>Email:</b>	
<b>Client:</b>			
<b>Address of Installation:</b>	<b>Street</b>		
	<b>Town</b>		
	<b>County</b>		
<b>Postcode of installation:</b>			
<b>Building Type:</b>			
<b>System Type:</b>			
<b>Start Date (if known):</b>			
<b>Completion Date (if known):</b>			
<b>No. of Sprinkler Heads:</b>			
<b>Type</b>			
<b>Piping</b>			
<b>Other relevant information:</b>			
<b>Form submitted by:</b>			
<b>Date:</b>			



## APPENDIX 3

# FIRAS CERTIFICATION SCHEME

## CERTIFICATE OF COMPLIANCE

This Certificate is issued by the certificated contractor in accordance with the FIRAS Certification Scheme 'Requirements for contractors installing residential and domestic sprinkler systems'. It confirms that the fire sprinkler system has been installed by a certificated sprinkler contractor in accordance with the requirements of the Scheme and if any deviations from the specified standard have been necessary, these have been agreed with the authority having jurisdiction.

### Installation Details

<b>FIRAS URN:</b>			
<b>Address of protected premises:</b>			
<b>Postcode:</b>			
<b>Name of your client:</b>			
<b>Completion Date:</b>			
<b>System type:</b>			
<b>Specification:</b>			
<b>Number of Heads:</b>		<b>Type:</b>	
<b>Piping:</b>			
<b>No floors protected:</b>		<b>Roof space protected:</b>	
<b>Water supply type:</b>			
<b>Reason for installation:</b>			
<b>Required min flow and pressure at valve:</b>			
<b>Test results:</b>		<b>Date and time:</b>	
<b>Authority having jurisdiction:</b>			
<b>Agreed Deviations:</b>			

### Certificated Contractor Details

<b>FIRAS Certification No.:</b>			
<b>Company Name:</b>			
<b>Address:</b>			
<b>Postcode:</b>			
<b>Name of Signatory:</b>		<b>Position:</b>	
<b>Contact Details:</b>		<b>Telephone (office):</b>	
		<b>Mobile:</b>	
		<b>Fax:</b>	
		<b>Email:</b>	
<b>FIRAS ID number for Supervisor of project:</b>			
<b>Signature:</b>		<b>Date:</b>	

## APPENDIX 4

### FIRAS CERTIFICATION SCHEME

#### USE OF THE FIRAS MARK



FIRAS Certificated Contractor XXXX

1. The FIRAS mark may be used by certificated contractors.
2. It is a condition of use that the mark shall not be used in any printed advertisements or printed publicity matter directed primarily to the market in the United Kingdom and in the Isle of Man or in retail point of sale display cards distributed by the Registered Proprietor for use within the United Kingdom and in the Isle of Man without indicating that it is a certification mark.
3. The mark may only be used in its entirety and without amendment by certificated contractors on their trade literature, on their letterheads and on any of their display or promotional material.
4. The mark shall always be used in conjunction with the certificated contractor's registration number placed centrally under the mark in the format given above.
5. The mark may be used at any size considered appropriate for the application and shall only be used to show the certificated contractor's involvement in fire protection systems. The relative proportions shall always be retained.
6. When printed in colour, the colours shall be: pantone blue 2755 and pantone red 032. Alternatively the mark may be printed entirely in black.
7. The certificated contractor shall at the request of FIRAS cease to use the mark if FIRAS deem the application inappropriate.
8. The mark shall not be used on any product or used in any manner to imply product approval or certification.
9. A certificated contractor, shall, upon suspension of certification, immediately cease to issue documents that display the mark or contain reference to FIRAS certification.
10. A certificated contractor shall, upon termination of certification immediately cease distribution of all items on which the mark is displayed and shall remove it from any other form of display or promotional application.



**APPENDIX 5**

**FIRAS CERTIFICATION SCHEME**

**MODEL SUBCONTRACT AGREEMENT**

**This model subcontract agreement is intended as a guide only. Both parties must ensure that the final agreement signed by them is amended as necessary to include all their requirements.**

This agreement is made between:

.....( the Certificated Contractor) and

.....( the subcontractor )

on this date .....

The certificated contractor contracts the subcontractor for the purpose of the design/installation\* of sprinkler systems under the FIRAS Scheme.

The subcontractor agrees to comply with all relevant FIRAS requirements, and to ensure that the quality of the installation is not compromised by any actions for which he is responsible.

The certificated contractor is contractually responsible for the compliance of the completed sprinkler system to the specified standard. Inspection of the completed works will be undertaken by an appropriately nominated staff member of the certificated contractor

This agreement does not confer on the subcontractor the right to make any claims under the FIRAS scheme, nor use of the FIRAS logo.

This agreement is valid until .....

Signed on behalf of the  
Certificated Contractor

Signed on behalf of the  
Subcontractor

.....

.....

*\*delete as necessary*



## APPENDIX 6

### FIRAS CERTIFICATION SCHEME

#### INFORMATION REQUIRED ON OR WITH AS INSTALLED DRAWINGS

Whenever a drawing of a sprinkler installation is produced, the following information shall be shown on it, or provided with it. Without this information it cannot be properly reviewed and accepted by a third party (e.g. Building Control, Insurance Company, Third Party Certification Body, etc). It is accepted that not all the following will appear on the working drawings but shall be available on or with the as installed drawings.

- Occupancy classification – domestic or residential
- Name and address of installation
- Location of building to be protected
- Designer's name and training reference number
- Date drawing prepared
- Design standard – BS DD251:2000 or similar and approved
- Sprinkler head positions
- Pipe locations
- Pipe sizes
- Pipe material
- Bracket types and in compliance with design standard
- Dimensions – between sprinklers, from building structure, from obstructions, centre to centre of pipes, sprinkler deflectors from roof/ceiling – sidewall or standard sprinklers where applicable
- Detailed hydraulic calculations
- Location of obstructions – if known
- Location of control equipment – on final drawing
- Location of alarm sounders – internal and external
- Location of pump and tank – if appropriate
- Schedule of sprinklers – Manufacturer's name, sprinkler type and reference number/letter, operating temperature, K factor, number off (for each type if more than one)
- Details of non-protected areas – what they are and why they are not protected
- Reference numbers/letters – to relate to hydraulic calculations indicating which pipe and sprinkler are being assumed to be in operation
- Details of any known non-compliance(s) and Authority accepting it (them)
- Pump rating – if appropriate
- Water storage tank capacity – if appropriate
- Advised pressures and flows from the town main
- A key to symbols used
- Sectional elevations
- If a mobile home, the chassis number