

Statutory basis: Electricity at Work Regulations 1989 regs 4(3), 12, 13, 14 and 16, with HSE guidance HSG85 (3rd edition, 2013) and HSR25 (3rd edition, 2015). Test instruments and leads to GS38 (4th edition, 2015). Site distribution assemblies to BS EN 61439-4:2013. Installations designed, installed and verified to BS 7671:2018+A4:2026 — Amendment 4 was published on 15 April 2026 and the previous amendment is withdrawn on or about 15 October 2026, so confirm which amendment the design was issued against. COSHH 2002 applies to the dusts, resins and fumes generated by the containment and fixing work. Fire detection and alarm cabling to BS 5839-1:2025. This document is the recorded safe system of work required by HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5.

## 1 DOCUMENT AND PROJECT IDENTIFICATION

| RAMS REFERENCE                | PROJECT / SITE REF | SITE NAME AND ADDRESS | DATE PREPARED | NEXT REVIEW DATE     |
|-------------------------------|--------------------|-----------------------|---------------|----------------------|
|                               |                    |                       |               |                      |
| CLIENT / PRINCIPAL CONTRACTOR | PLANNED START      | DURATION              | OPERATIVES    | SUPERVISING THE WORK |
|                               |                    |                       |               |                      |

## 2 SCOPE OF WORKS

Installation of fire detection and alarm devices, emergency luminaires and their fire-rated wiring, including work in occupied buildings where the existing system must stay effective, and interfaces with doors, dampers and plant.

This document does not cover: disabling of site or building fire systems without a specific isolation permit, and final cause-and-effect commissioning without the system designer.

SITE-SPECIFIC SCOPE, LOCATIONS AND LIMITATIONS

## 3 RISK ASSESSMENT — SCORE EACH RISK FOR THIS SITE, THEN ADD WHAT IS MISSING

The hazards and controls below are the starting point for this activity, written by a working main contractor. They are not complete for your site until a competent person has scored each risk, added the site-specific hazards, and struck out anything that does not apply. Rate risks High / Medium / Low before and after controls.

### 1. Contact with live conductors or inadvertent energisation

At risk: Electricians, others nearby

Controls: Work dead wherever reasonably practicable (EAWR reg 14). Isolate, lock off with a personal lock, retain the key, and prove dead at the point of work with a GS38-compliant voltage indicator proved live—dead—live. Treat every conductor as live until proved dead. Where the site operates an electrical permit system, no work starts before the permit is issued.

| INITIAL (H/M/L) | RESIDUAL (H/M/L) | SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A | ACTION OWNER | BY WHEN |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

### 2. Work at height from steps, podiums, towers or MEWPs

At risk: Operatives, and anyone below

Controls: Select access by the Work at Height hierarchy — podium or tower before steps; MEWPs operated by trained (IPAF) operators only. Inspect access equipment before use, establish an exclusion below overhead work, and secure tools against dropping.

| INITIAL (H/M/L) | RESIDUAL (H/M/L) | SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A | ACTION OWNER | BY WHEN |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

### 3. Fire compartment breaches from unstopped penetrations

At risk: Building occupants

Controls: Fire-stop penetrations as the work proceeds in line with the fire-stopping plan; never leave a compartment breach open overnight in an occupied building; record what was stopped, where and with what.

| INITIAL (H/M/L) | RESIDUAL (H/M/L) | SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A | ACTION OWNER | BY WHEN |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

### 4. Disturbing asbestos-containing materials in existing buildings

At risk: Operatives, building occupants

Controls: Check the asbestos register before any intrusive work (CAR 2012). No register, or unclear entries, means stop and refer. If suspect material is found: STOP, withdraw, secure the area and report it — the discovery procedure applies before any further work.

| INITIAL (H/M/L) | RESIDUAL (H/M/L) | SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A | ACTION OWNER | BY WHEN |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

### 5. Fire detection disabled while the building relies on it

At risk: Building occupants

Controls: Any isolation of an existing system is planned with the responsible person, covered by the site's isolation permit, time-limited, and compensated — fire watch or temporary detection — until reinstated and proved.

| INITIAL (H/M/L) | RESIDUAL (H/M/L) | SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A | ACTION OWNER | BY WHEN |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

### 6. False alarms triggering evacuation or brigade attendance

At risk: Occupants, the business

Controls: Agree device isolation and dust protection before dusty work near detection; notify the responsible person before testing devices; reinstate and confirm at the end of every shift.

| INITIAL (H/M/L) | RESIDUAL (H/M/L) | SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A | ACTION OWNER | BY WHEN |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

Site-specific hazards not listed above — every site has at least one:

| HAZARD | WHO IS AT RISK | CONTROLS | INITIAL HI... | RESIDUAL... | ACTION OWNER | BY WHEN |
|--------|----------------|----------|---------------|-------------|--------------|---------|
|        |                |          |               |             |              |         |
|        |                |          |               |             |              |         |
|        |                |          |               |             |              |         |

#### 4 METHOD — SEQUENCE OF WORK

- 01 Agree with the responsible person how the existing system stays effective throughout — isolations, cover, reinstatement times.
- 02 Where any existing device or zone is disabled: site isolation permit raised, fire watch or temporary cover in place, end-of-shift reinstatement proved and recorded.
- 03 Install fire-rated cabling to the detection layout; maintain circuit integrity and segregation.
- 04 Fix detection, alarm and emergency lighting devices to the design; protect detectors from dust until handover.
- 05 Complete interfaces — door holders, dampers, plant shutdowns — with the trades that own them.
- 06 Test devices in agreed windows with the responsible person notified; record every device tested.
- 07 Certify the installation stage-by-stage; leave the existing system fully reinstated every night.

##### SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

#### 5 PLANT, EQUIPMENT AND MATERIALS

Podium steps / MEWP  
Fire-rated cable and glands

Detector test equipment  
Dust covers for detection

##### INSPECTION / THOROUGH EXAMINATION REFS

##### COSHH ASSESSMENT REFS

#### 6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST

Head protection  
Safety footwear  
High visibility

Gloves — task-rated  
Eye protection  
Hearing protection

Arc-rated PPE where assessed

##### RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED

#### 7 PERMITS REQUIRED BEFORE THIS WORK STARTS

A permit authorises this work in that place, on that day. It extends the safe system of work in this document — it does not replace it (HSE HSG250). The site issues the permit; record its number before work starts.

##### KD-PTW-GP-003 — General Permit to Work

Use the site's isolation permit process for any disabling of live fire systems.

##### PERMIT NUMBER

##### KD-PTW-PE-009 — Permit to Enter

For work in occupied buildings where the site operates access control.

##### PERMIT NUMBER

#### 8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

##### FIRST AIDER AND LOCATION

##### NEAREST A&E

##### ASSEMBLY POINT

##### HOW THE ALARM IS RAISED

##### EMERGENCY ACCESS FOR THIS WORK AREA

##### SPILL / ENVIRONMENTAL RESPONSE

#### 9 BRIEFING RECORD — EVERYONE WORKING UNDER THIS RAMS SIGNS BEFORE STARTING

By signing you confirm the contents of this RAMS have been explained to you, you understand the hazards and controls, and you will work to the sequence stated. Tell the supervisor if the work or the site does not match this document — work stops until it does.

| NAME | COMPANY | SIGNATURE | DATE |
|------|---------|-----------|------|
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |
|      |         |           |      |

10 PREPARED AND ACCEPTED

Prepared / adapted for this site by — I confirm I have adapted this document to the site, scored the risks, and that it describes how the work will actually be done.

| PRINTED NAME | ROLE / COMPETENCE | COMPANY | SIGNATURE | DATE | TIME |
|--------------|-------------------|---------|-----------|------|------|
|              |                   |         |           |      |      |

Accepted for the site by — principal contractor or site manager review.

| PRINTED NAME | ROLE | COMPANY | SIGNATURE | DATE | TIME |
|--------------|------|---------|-----------|------|------|
|              |      |         |           |      |      |

Review this RAMS if the work, the site or the law changes, and at least before each new phase of the works. Flatten the completed PDF before filing so the record cannot be silently edited.

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

| Rev | Date       | Class       | What changed                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Authorised by                                                                 |
|-----|------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| D0  | 2026-08-09 | first-issue | First issue.                                                                                                                                                                                                                                                                                                                                                                                                                                                         | — not yet approved —                                                          |
| D1  | 2026-08-10 | material    | BS 7671 dated to BS 7671:2018+A4:2026 (Amendment 4 published 15 April 2026), with a note to confirm which amendment the design was issued against; BS 5839-1 dated to the 2025 edition; BS EN 61439-4 dated to 2013; HSG85, GS38 and HSG141 cited with their editions; COSHH 2002 added to the legal basis. Legislation position reviewed against Product Legislation Register KD-REG-01 Rev R01.3 and the August 2026 horizon scan; cutoff moved to 10 August 2026. | — not yet approved —                                                          |
| D2  | 2026-08-11 | material    | Statutory basis extended to name HSE HSG33 (5th edition, 2020) for roof-mounted PV work, following the addition of the solar PV document. It now appears on the printed legal note.                                                                                                                                                                                                                                                                                  | — not yet approved —                                                          |
| D3  | 2026-08-11 | editorial   | Printed legal note corrected. The sentence on roof-mounted PV under HSE HSG33, which applies to KD-RAMS-EL-010 alone, was being printed on every document in the electrical set and has been removed from this one. The BS 5839-1:2025 alarm cabling citation, which governs this document, is retained. No control, field, scope or applicable instrument changed.                                                                                                  | — not yet approved —                                                          |
| A0  | 2026-08-27 | review      | Approved for issue by the author. Content unchanged from D3; the draft status strip is removed. No independent third-party review has been carried out.                                                                                                                                                                                                                                                                                                              | Author — director, UK principal contractor, SMSTS. Not an independent review. |

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft, not approved and not for sale; A = approved for issue by the person named, on the date shown.