

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5; Work at Height Regulations 2005; LOLER 1998 reg 8 for lifting signs and components; Electricity at Work Regulations 1989 with HSE HSG85 (3rd edition, 2013) for earthing, bonding and connection work, and BS 7671:2018+A4:2026 where the installation interfaces with the building's electrical system; HSE HSG47 (3rd edition, 2014) where foundations or earth pits are excavated; PUWER 1998; Manual Handling Operations Regulations 1992; COSHH 2002; CDM 2015 regs 13 and 15. An existing lightning protection system is treated as a possible path to earth for a fault elsewhere in the building and is proved dead before it is broken into.

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, alteration and testing of lightning protection systems: air terminations, down conductors, bonds, earth electrodes and test points, including continuity and resistance testing to the design values.

This document does not cover: the lightning protection design, work on the building's electrical installation beyond the bonding interface, and testing to values not stated in the design.

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. Breaking into an existing earth or bonding conductor

At risk: Operatives

Controls: An earth or bonding conductor may be carrying fault current from somewhere else in the building. It is proved dead at the point of work before it is cut, and where continuity must be maintained a temporary bond is fitted across the break before the conductor is parted — never after. Where the system is connected to an electrical installation, the isolation is agreed with the responsible person and recorded on the permit.

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

2. Working at roof edges, on parapets and on fragile roofs

At risk: Operatives, anyone below

Controls: Every roof is treated as fragile until a competent person confirms otherwise in writing. Edge protection or a proved anchorage before any work within the edge zone; nobody works off a parapet as a platform. Access equipment is set out clear of skylights and rooflights, which are covered or barred before work begins.

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

3. Working over a public footway or a live entrance

At risk: The public

Controls: Exclusion zone at ground level for the full drop and wind drift, barred and manned where the public can reach it — signage alone is not a control on a busy frontage. Where the footway cannot be closed, the work is programmed outside pedestrian hours and the licence or permission for the footway closure is in place before the day. Tools lanyarded; everything raised and lowered in closed containers.

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

4. 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 by trained (IPAF) operators only. Inspect access equipment before use, establish an exclusion below overhead work, and secure tools and materials against dropping.

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

5. Striking hidden services when drilling, cutting or fixing

At risk: Operatives

Controls: Check drawings and the services register, scan with a CAT before drilling or chasing into existing fabric, respect safe zones, and stop and reassess if an unrecorded service is found.

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

6. Manual handling of boards, materials and components

At risk: Operatives

Controls: Mechanical aids first — trolleys, board lifters, hoists. Two-person lifts for boards and long components; order materials in manageable sizes; plan storage close to the workplace; keep carrying routes clear and lit.

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

7. Lone working during early, late or isolated tasks

At risk: Operatives

Controls: No lone working on higher-risk operations; where low-risk lone work is agreed, a check-in arrangement is in place and the person knows the site emergency arrangements.

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 H/...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- 01 Confirm the design, the required test values and the earthing arrangement before starting.
- 02 Survey the roof: fragility, edge protection, anchorages and rooflight positions.
- 03 Prove dead any existing conductor before cutting; fit a temporary bond across the break where continuity is required.
- 04 Install air terminations and down conductors to the design, with fixings at the specified centres.
- 05 Scan and prove services before excavating earth pits; HSG47 sequence where anything is dug.
- 06 Test continuity and earth resistance against the design values; record every reading and its location.
- 07 Complete the test record and hand it over — an untested system is not a system.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

- | | |
|---|-------------------------|
| Podiums, towers or MEWP per the access plan | Cable and pipe detector |
| Earth resistance and continuity testers, in calibration | Temporary bonding leads |

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

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

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|-----------------|---------------------|--|
| Head protection | Gloves — task-rated | Harness where edge protection cannot be provided |
| Safety footwear | Eye protection | Insulated gloves for conductor work |
| High visibility | Hearing protection | |

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-RF-007 — Roof Work Permit

For all roof-level work.

PERMIT NUMBER

KD-PTW-EL-010 — Electrical Permit to Work

For isolation and bonding interface work.

PERMIT NUMBER

KD-PTW-EX-005 — Excavation and Permit to Dig

For earth electrode pits.

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
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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	2026-08-11	first-issue	First issue.	— not yet approved —
A0	2026-08-27	review	Approved for issue by the author. Content unchanged from D0; 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.