

ELECTRICAL CONTAINMENT INSTALLATION

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

Cable tray · basket · trunking · conduit · support systems

KD-RAMS-EL-001 Rev A0

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and verified to BS 7671:2018+A4:2026 — Amendment 4 was published on 15 April 2026 and the previous amendment is withdrawn on or about 15 October 2026, so confirm which amendment the design was issued against.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. 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 cable containment — tray, basket, ladder, trunking, conduit and their supports — including setting out, fixing to the structure, cutting and assembly, in new-build and refurbishment settings.

This document does not cover: cable installation (KD-RAMS-EL-002), work on or near live equipment, and design of seismic or high-load support systems.

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. 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

2. Striking hidden services when drilling, chasing or fixing

At risk: Operatives

Controls: Check drawings and the services register, scan with a CAT before drilling or chasing, respect BS 7671 safe zones, use battery tools where practicable, 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

3. Silica and general dust from drilling and chasing

At risk: Operatives, others in the area

Controls: On-tool extraction (M-class) or wet suppression; RPE to the COSHH assessment (FFP3, face-fit tested) where extraction cannot adequately control exposure; sheet and segregate the work area in occupied buildings.

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

4. Manual handling of containment, cable drums, boards and fittings

At risk: Operatives

Controls: Mechanical aids first — trolleys, drum jacks, hoists. Two-person lifts for tray runs, boards and drums; order materials in manageable lengths; 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

5. Cuts from sharp edges of tray, basket and trunking

At risk: Operatives

Controls: De-burr cut edges as they are cut, fit end caps, wear cut-resistant gloves (EN 388) for handling, and clear offcuts as the work proceeds.

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

6. Hand-arm vibration from drills, breakers and saws

At risk: Operatives

Controls: Select low-vibration tools, keep bits and blades sharp, rotate operatives to keep exposure below the action value, and record trigger time where the assessment requires it.

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

7. 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

8. Slips, trips and trailing leads*At risk: Everyone in the work area*

Controls: Route 110V leads at high level or under mats, keep the work area clear, remove waste as it is created, and maintain task lighting.

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

9. 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

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

- Receive setting-out and coordination drawings; walk the route and confirm it against other services and the structure before any fixing.
- Check the asbestos register and services drawings for every fixing zone; CAT-scan before drilling into existing fabric.
- Establish access — podiums or towers erected and checked; MEWP arrangements agreed where floor conditions allow.
- Mark out supports to the design centres; drill fixings with on-tool extraction; install anchors to the manufacturer's torque.
- Cut tray and trunking at floor level where practicable; de-burr every cut edge and fit end caps before lifting into position.
- Lift and fix containment progressively — two-person lifts for long runs; do not leave runs partially fixed at the end of a shift.
- Maintain fire compartmentation: sleeve and fire-stop penetrations as the run passes through rated walls and floors.
- Bond containment where the design requires it and label at intervals; leave draw wires in conduit runs.
- Clear offcuts, swarf and packaging as work proceeds; leave the route clean and the access equipment secured.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

- | | |
|--|--------------------------------------|
| Podium steps / mobile tower | Chop saw / multitool with extraction |
| MEWP (IPAF operators) | CAT and genny |
| 110V or battery drills with extraction | Torque tools for anchors |

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

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

- | | | |
|-----------------|---------------------|------------------------------|
| Head protection | Gloves — task-rated | Arc-rated PPE where assessed |
| Safety footwear | Eye protection | |
| 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-WH-006 — Work at Height Permit

Where the site requires a permit for work at height not covered by a handed-over scaffold.

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. Two sentences that applied to only one document in the electrical set were being printed on all of them: fire detection and alarm cabling to BS 5839-1:2025, which is KD-RAMS-EL-007 alone, and roof-mounted PV under HSG33, which is KD-RAMS-EL-010 alone. Both now print only on the document they govern. No control, field, scope or applicable instrument changed on this document.	— 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.