

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5 — this document is the recorded safe system of work. Ionising Radiations Regulations 2017 govern work in or on the shielding of controlled and supervised areas — the employer's radiation protection adviser (RPA) specifies the shielding and inspects it before it is covered, and the radiation protection supervisor (RPS) controls entry under local rules (regs 17–19); work near live sources needs the controlled-area permit (KD-PTW-RA-030). The Control of Lead at Work Regulations 2002 with ACOP L132 (3rd edition, 2002) apply to handling and cutting lead sheet and lead-lined board; Manual Handling Operations Regulations 1992 to the weight of it; COSHH 2002 to barium plaster dust. Prepared against legislation current at 10/08/2026.

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 lead-lined plasterboard, lead sheet and lead-lined doors and frames to the RPA's shielding specification: setting out, fixing, lapping and covering every joint and fixing, shielding of service penetrations and back boxes, door and frame installation, RPA inspection before finishes.

This document does not cover: the shielding design — the RPA's; and finishes over the shielding (KD-RAMS-DL-003, KD-RAMS-PD-001).

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. A gap in the shielding — at a joint, a fixing, a service penetration or a door frame — that lets radiation through

At risk: Staff and public in adjacent areas

Controls: Shielding to the RPA's specification exactly: joints lapped with lead strip, fixings covered with lead discs, every penetration and back-box shielded, door and frame overlap as specified; RPA inspection HOLD before any covering; nothing cut into the shielding after inspection without the RPA.

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

2. Lead — inhalation of fume or dust, ingestion from hands, absorption

At risk: Operatives

Controls: Cold cutting only (shears, knife) — no grinding or hot cutting of lead; gloves; no eating, drinking or smoking in the work area; hand washing before breaks; lead-in-air assessment and blood-lead monitoring where CLAW requires; waste lead segregated and consigned.

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

3. Manual handling of lead-lined boards (30 kg and more) and lead sheet

At risk: Operatives

Controls: Board lifter or two-person carry as the assessment requires; boards delivered to the room; lead sheet in rolls cut to handleable sizes; no lifting overhead by hand.

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. Slips, trips and housekeeping

At risk: Everyone in the work area

Controls: Keep the workface clear, remove waste and offcuts as they are created, route leads at high level or under mats, and maintain task lighting.

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

6. Interface with occupants, other trades and the public

At risk: Occupants, other trades, the public

Controls: Segregate the work area — barriers, signage, sheeting; agree access routes and working hours with the occupier; never obstruct escape routes; deliveries and waste runs outside peak movement times where agreed.

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

7. Lead-lined boards are heavy — 30 kg and more per board

At risk: Operatives

Controls: Board lifters and two-person handling as the assessment requires; boards delivered to the room, not carried through the hospital; no lifting overhead by hand.

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 Receive the RPA's shielding specification and drawings; confirm lead thickness by room and element; agree the inspection stages with the RPA and RPS.
- 02 Set out and fix lead-lined boards to the specified framing with the specified fixings; cover every fixing head with a lead disc; lap every joint with lead strip of the specified width.
- 03 Shield every penetration — sockets, switches, services — with lead behind and around the back box; lead-lined door sets with the specified overlap to the frame.
- 04 Cold-cut lead only; collect off-cuts; hand-wash facilities at the door; no food or drink in the room.
- 05 RPA (or the RPA's nominee) inspects every element BEFORE tape and joint or any finish; hold released on KD-QA record with photographs; then finishes.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

- Board lifter
- Lead shears and knife
- Fixings and lead discs per the specification

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
- Nitrile gloves under work gloves; no sanding of lead

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-RA-030 — Controlled Area Permit — Ionising Radiation

Where the room or an adjacent room contains a live source during the work.

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

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	2026-08-28	first-issue	First issue.	— not yet approved —
A0	2026-08-29	review	Approved for issue by the author. Content unchanged from the draft; 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.