

LIGHT STEEL FRAME ERECTION

Cold-formed and light gauge systems · panel and stick build

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

KD-RAMS-MC-002 Rev A0

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5; Work at Height Regulations 2005; LOLER 1998 regs 8 and 9 with BS 7121-1:2016 for the lifting; PUWER 1998; Manual Handling Operations Regulations 1992; COSHH 2002 for panel dusts, sealants and treatments; CDM 2015 regs 13 and 15. Erection stability and the bracing sequence are temporary works under BS 5975-1:2024 and are set by the design, not on site. Fire during construction is managed to HSE HSG168 (3rd edition, 2022) and the Joint Code of Practice, 10th edition (2022) incorporating Amendment 2 (2025) — a frame under erection has no compartmentation and no working fire protection, and the Joint Code is what the insurer will ask for.

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

Erection of light steel frame: cold-formed wall panels, floor joists and roof cassettes, either panelised or stick built, with temporary bracing to the design.

This document does not cover: the frame and bracing design, hot-dip galvanised or structural steelwork erection (KD-RAMS-ST series), and cladding.

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. Collapse of a partly erected frame before it is braced

At risk: Erectors, everyone on and near the structure

Controls: The erection and bracing sequence is temporary works under BS 5975-1:2024 and is followed exactly. No panel, wall or floor cassette is released from the crane until it is fixed and braced to the design. Temporary bracing stays in place until the permanent restraint the design names is complete — never removed to suit access. Any deviation, damaged panel or missed fixing stops the lift and goes back to the temporary works co-ordinator in writing.

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

2. Panels and modules taken by wind during the lift

At risk: Erectors, everyone below

Controls: A panel-handling wind limit is set for the specific unit — its area, not the general site limit — and enforced by measured wind speed at working height, not by judgement. Tag lines on every lift. The exclusion zone covers the full slew and the drift path. Above the limit the lift does not happen, and units already landed are fixed and braced before the crew leaves.

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

3. 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

4. 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

5. Noise from cutting, fixing and plant

At risk: Operatives, others in the area

Controls: Select quieter methods and tools where practicable; hearing protection in designated zones and for noisy operations; agree noisy-works windows with the occupier in occupied buildings.

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

6. Slips, trips and housekeeping

At risk: Everyone in the work area

Controls: Keep the workplace 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

LIGHT STEEL FRAME ERECTION

continued

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

KD-RAMS-MC-002 Rev A0

7. Cuts from cut edges, swarf and fixings

At risk: Erectors

Controls: Cut-resistant gloves for all panel handling; cut ends deburred or capped as the system requires; swarf from self-drilling fixings cleared as it is generated rather than left on decks and walkways, where it is both a slip risk and a rust stain in the finished building; eye protection whenever fixings are driven overhead.

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 erection sequence and bracing design; check panel marks against the drawings before lifting.
- 02 Verify the base and holding-down fixings are complete and to the design.
- 03 Set the exclusion zone and the wind limit for the panel sizes in this lift.
- 04 Erect and brace in the designed sequence; no panel released from the crane until fixed and braced.
- 05 Install floor systems and edge protection level by level.
- 06 Clear swarf and offcuts continuously; hand over each level with bracing intact and recorded.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

- Crane or telehandler with lift plan
- Screw guns with depth control

- Cut-off saws with extraction
- Edge protection

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
- Cut-resistant gloves
- Eye protection for overhead fixing

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-LO-008 — Lifting Operations Permit

For craned panel lifts.

PERMIT NUMBER

KD-PTW-WH-006 — Work at Height Permit

Where the site requires a permit.

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

LIGHT STEEL FRAME ERECTION

continued

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

KD-RAMS-MC-002 Rev A0

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.