

TRUSSED RAFTER AND ROOF STRUCTURE ERECTION ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

Offload · working off the wall plate · temporary bracing until the roof is stable

KD-RAMS-CJ-006 Rev A0

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5 (this document is the recorded safe system of work); COSHH 2002 — wood dust is a substance hazardous to health and hardwood dust a carcinogen, against the workplace exposure limits in EH40/2005 (4th edition, 2020); PUWER 1998 (saws and nailers); Manual Handling Operations Regulations 1992; Work at Height Regulations 2005; LOLER 1998 reg 8 for offloading and lifting trusses; CDM 2015 regs 13 and 15. A trussed roof is not stable until it is braced: the bracing is temporary works under BS 5975-1:2024, it is set by the design, and it goes on as each truss is set rather than at the end of the run.

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 trussed rafter and cut roof structures: offload and set-down, lifting to the wall plate, positioning, temporary and permanent bracing, and battening ready for the roofer.

This document does not cover: the roof design and the bracing design, crane erection, and the roof covering.

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 trussed roof collapsing before the bracing is complete

At risk: Erectors, everyone below and in the building

Controls: Trusses are braced progressively as they are set — temporary bracing on each truss before the next is lifted, never a run of trusses stood up and braced afterwards. The bracing design is temporary works and is followed exactly; longitudinal, diagonal and chevron bracing are all complete before anyone works off the roof or loads it. Bracing is never removed to suit a following trade without going back to the designer.

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

2. Working off the wall plate and the open first-floor edge

At risk: Erectors

Controls: Edge protection to the eaves and the gable before trusses are set, or a proved fall arrest anchorage where it genuinely cannot be installed first. Nobody walks the wall plate as a route, and nobody stands on a truss to fix the next one. Crawl boards or a boarded platform across the joists for all setting-out and fixing work.

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

7. Trusses damaged in transit, storage or offload being erected anyway*At risk: Everyone under the roof, permanently*

Controls: Trusses are inspected on delivery and again before lifting: split timber, damaged plates, plates lifted or partly withdrawn. A damaged truss is quarantined and reported, never trimmed, patched or nailed back on site. Trusses are stored vertically on a level bearing and never flat on bearers where they will distort.

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 Confirm the roof layout, the bracing design and the wall plate is level, straight and fully fixed.
- 02 Inspect trusses on delivery; quarantine and report any with split timber or disturbed plates.
- 03 Store vertically on a level bearing; plan the lift and the exclusion zone before the first truss goes up.
- 04 Lift in bands under crane or telehandler control, with tag lines and nobody under the load.
- 05 Position and brace progressively to the bracing design — temporary bracing goes on as each truss is set, never at the end.
- 06 Complete permanent longitudinal, diagonal and chevron bracing before anyone works off the roof.
- 07 Batten out, and hand over with the bracing complete and recorded — bracing is never removed to suit a following trade.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE**5 PLANT, EQUIPMENT AND MATERIALS**

- Telehandler or crane with lift plan
- Truss clips and bracing timber
- Tag lines and slings with current certificates
- Edge protection to the eaves

INSPECTION / THOROUGH EXAMINATION REFS**COSHH ASSESSMENT REFS****6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST**

- Head protection
- Gloves — task-rated
- Safety footwear
- Eye protection
- High visibility
- Hearing protection
- Harness where edge protection is not yet installed

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 offload and lifting trusses to the plate.

PERMIT NUMBER**KD-PTW-WH-006 — Work at Height Permit**

For all work on and off the wall plate.

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	2026-08-11	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.