

CANTILEVER, TRUSS-OUT AND HUNG SCAFFOLDS

ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

Designed scaffolds off the structure · anchors proof-tested · protection over open routes

KD-RA-SC-001 Rev A0

Statutory basis: Work at Height Regulations 2005 — Schedule 3 covers working platforms, with Part 2 the scaffolding requirements, and inspection sits at reg 12 and Schedule 7; industry practice per NASC TG20:21 and SG4:22 (fall prevention during erection); CDM 2015 regs 13 and 15. Scaffolds outside TG20 compliance require a bespoke design. Post-installed anchors in concrete and masonry are selected, installed and tested to BS 8539:2012, and the scaffold design and its check are controlled under the site temporary works procedure to BS 5975-1:2024. 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

Erection, use and dismantling of scaffolds that do not stand on the ground beneath them — cantilevered and truss-out scaffolds on beams or needles, and scaffolds hung from the structure above — including installing and proof testing their anchors, keeping within the design load, and protecting people below who cannot be kept out of the area.

This document does not cover: suspended cradles and building maintenance units (KD-RAMS-HA-001), ground-based tube-and-fitting and system scaffolds (KD-RAMS-SC-001, KD-RAMS-SC-002), and propping or needling that carries the permanent structure (KD-RAMS-TW-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. Scaffold erected without a design, or built differently from it

At risk: Scaffolders, everyone below

Controls: The rule of this document: every cantilever, truss-out and hung scaffold is erected to a specific design — drawing and calculations on site before erection, checked under the site temporary works procedure; the gang erects to the drawing only, and any difference found on site (beam position, anchor type, tie pattern) stops that part of the work until the designer answers in writing.

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

2. Anchor, beam or needle failure — the structure or the fixing cannot take the load

At risk: Everyone on and below the scaffold

Controls: The designer confirms the supporting structure can carry the loads, with the building's structural engineer where it bears on the permanent structure; anchors of the type, size, embedment and edge distance the design states, installed to the manufacturer's instructions — holes cleaned, resin cure time observed before load; proof-tested by a competent tester to the number and load the design specifies, results recorded before the scaffold is loaded.

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

3. Falls while setting beams and the first lift beyond the building line

At risk: Scaffolders

Controls: SG4:22 methods throughout: beams and needles set from inside the building, or from a MEWP where the design allows; harness attached to a secure anchor whenever outside a protected zone; advanced guardrail on the first platform before it is walked; nobody steps onto a cantilever bay until its beams are fixed and braced.

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

4. Falling components onto a route that stays open below

At risk: Pedestrians, occupants, traffic below

Controls: A cantilever is usually closed because the area below cannot be closed, so protection goes up first: fans, netting or a protection deck as the design shows before main erection; work over open routes only during agreed closures or with the route held by a banksman; fittings in bags, tools lanyarded, nothing thrown; fan decks cleared of debris daily.

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

5. Overloading a cantilever or hung lift

At risk: Everyone on and below the scaffold

Controls: The design load is displayed at every access point and briefed to users; no materials stored beyond what the design allows; no loading bay, hoist, rubbish chute or sheeting added unless the designer has included it; supervisors check stacked loads at every inspection.

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

6. Needle props and back-propping inside an occupied building

At risk: Occupants, other trades

Controls: Internal props and needles only at the positions and bearings the design shows, on floors the designer has confirmed; prop zones barriered and signed; escape routes and doors never obstructed; occupiers told what must not be moved; props checked for tightness at each scaffold inspection.

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

7. 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

8. Use, interference or alteration before handover

At risk: All site users

Controls: Tagged "not for use" until the competent person has inspected the completed scaffold against the design and handed it over in writing; inspected again at the reg 12 intervals, after bad weather and after any alteration; alterations only by the erecting scaffolder, with the designer's agreement where beams, ties or anchors are affected.

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

- Receive the design drawing, calculations and the designer's confirmation of the supporting structure; check them through the site temporary works procedure before materials arrive.
- Survey anchor and beam positions against the drawing: scan for services and reinforcement, confirm edge distances and substrate condition, and report any difference to the designer.
- Agree the protection below — closures, banksman, fans or deck — with the principal contractor, including any permissions the site holds for the highway; nothing starts over an open route without it.
- Install anchors to the manufacturer's instructions; leave resin anchors for the full cure time stated for the substrate temperature.
- Proof-test anchors to the number and load the design specifies and record each result; a failed anchor stops that position until the designer gives a replacement.
- Set needles, beams and props from inside the building or a MEWP, as designed, harness attached whenever outside a protected zone.
- Build the fan or protection deck first, then the working lifts, bracing, ties and guardrails exactly as drawn.
- Display the design load; the competent person inspects against the design, hands over in writing and tags the scaffold.
- Inspect at the statutory intervals and after storms or any alteration; check prop tightness and anchor condition each time.
- Dismantle in the order the design allows, protection last; lower everything — nothing dropped over an open route.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

- | | |
|--|---|
| Scaffold components and beams to the design | Cable avoidance tool and cover meter |
| Post-installed anchors of the specified type | Fans, netting or protection deck |
| Calibrated anchor proof tester | Gin wheel, fittings bags, scaffold tag system |

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

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

- | | | |
|-----------------|---------------------|---------------------------------------|
| Head protection | Gloves — task-rated | Harness (SG4) — inspected and in date |
| 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 scaffold operations.

PERMIT NUMBER

KD-PTW-TL-022 — Permit to Load and Strike — Temporary Works

Where the site controls the scaffold as temporary works — before first loading and before striking.

PERMIT NUMBER

KD-PTW-LO-008 — Lifting Operations Permit

Where beams or bundles are lifted by crane.

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	2026-09-11	first-issue	First issue.	— not yet approved —
A0	2026-09-11	review	Approved for issue by the author. Content unchanged from the reviewed 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.