

# TIMBER FRAME ERECTION

## ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

Panel and open-panel systems · craneage · temporary bracing · fire during construction

KD-RAMS-MC-001 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 panelised and open-panel timber frame: sole plates, wall panels, floor cassettes, roof structure, temporary bracing and weathering, to the erection drawings and the temporary works design.

This document does not cover: the frame design and the bracing design, crane erection and dismantling, and the external envelope beyond temporary weathering.

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. Fire in an unprotected frame during construction

At risk: Everyone on site, neighbours

Controls: Managed to HSG168 (3rd edition, 2022) and the Joint Code of Practice, 10th edition (2022): hot works avoided in and around the frame wherever the design allows a cold alternative, and permitted only under the hot works permit with the fire watch when it cannot be. Combustible waste removed daily and never stored inside the frame; ignition sources controlled; temporary electrics inspected; escape routes through the frame kept clear and lit; the site fire plan updated as each floor closes in.

| 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. 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 workforce; 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 |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

#### 6. 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 |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

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continued

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## 7. 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 |
|-----------------|------------------|-------------------------------------------|--------------|---------|
|                 |                  |                                           |              |         |

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, the bracing design and the lift plan are on site and briefed.
- 02 Check the base — sole plates level, square and fixed to the design before the first panel.
- 03 Set the exclusion zone and the wind limit for the largest panel; measure wind at working height.
- 04 Erect wall panels in the designed sequence, bracing each before release from the crane.
- 05 Land floor cassettes and fix; install edge protection as each level is decked, before working from it.
- 06 Weather the frame as the sequence allows; remove combustible waste from within the frame daily.
- 07 Hand over each level with the bracing intact and recorded — bracing is removed only on the design's instruction.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

## 5 PLANT, EQUIPMENT AND MATERIALS

- Mobile crane with lift plan and appointed person
- Tag lines and lifting accessories with current certificates
- Anemometer at working height
- Edge protection systems
- Temporary weathering

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
- 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 every craned panel and cassette lift.

PERMIT NUMBER

### KD-PTW-WH-006 — Work at Height Permit

Where the site requires a permit for frame working.

PERMIT NUMBER

### KD-PTW-HW-001 — Hot Works Permit

For any hot work in or adjacent to the frame.

PERMIT NUMBER

## 8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

| FIRST AIDER AND LOCATION | NEAREST A&E | ASSEMBLY POINT |
|--------------------------|-------------|----------------|
|                          |             |                |

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continued

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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.