

# Risk Assessment & Method Statement

## HVAC Engineer Example RAMS – Split-system installation and commissioning

Version: 1

PUBLISHED

Trade: HVAC Engineer

Review Date: 31/07/2026

### Basic Information

**Organization:** RAMS Builder Example

**Client:** Example HVAC Engineer Client

**Site:** HVAC Engineer Example Project - London SW1A 1AA

#### Scope of Work

Example RAMS covering Split-system installation and commissioning with hazards, permits, COSHH controls, emergency planning, and sign-off ready for project review.

#### Persons at Risk

Operatives, supervisors, visitors, neighbouring trades, and members of the public near the work area.

# Hazards & Risk Assessment

5 hazards identified

## Refrigerant handling (R410A / R32)

Example control set for hvac engineer works on Split-system installation and commissioning.

**Pre-Control: 14 (Medium Risk)**

**Post-Control: 5 (Low Risk)**

### Control Measures:

- F-Gas certified operative
- Leak detection equipment
- Adequate ventilation

## Working at height (ceiling voids)

Example control set for hvac engineer works on Split-system installation and commissioning.

**Pre-Control: 13 (Medium Risk)**

**Post-Control: 4 (Low Risk)**

### Control Measures:

- Scaffold tower / MEWP
- Safe access maintained
- Two-person operation

## Electrical isolation

Example control set for hvac engineer works on Split-system installation and commissioning.

**Pre-Control: 12 (Medium Risk)**

**Post-Control: 3 (Low Risk)**

### Control Measures:

- Isolation & lock-off
- Insulated tools
- Competent person only

### **Manual handling (units and ductwork)**

Example control set for hvac engineer works on Split-system installation and commissioning.

**Pre-Control: 11 (Medium Risk)**

**Post-Control: 3 (Low Risk)**

#### **Control Measures:**

- Mechanical aids
- Two-person lift
- Route cleared

### **Hot works (bracket welding)**

Example control set for hvac engineer works on Split-system installation and commissioning.

**Pre-Control: 10 (Medium Risk)**

**Post-Control: 3 (Low Risk)**

#### **Control Measures:**

- Hot works permit
- Fire blanket
- Extinguisher within reach

# Method of Work

6 steps outlined

1

Isolate electrical and refrigerant systems

**Related hazards:** Refrigerant handling (R410A / R32)

2

Mount and install indoor / outdoor units

**Related hazards:** Working at height (ceiling voids)

3

Run pipework and make connections

**Related hazards:** Electrical isolation

4

Pressure and leak test system

**Related hazards:** Manual handling (units and ductwork)

5

Commission and record parameters

**Related hazards:** Hot works (bracket welding)

6

Handover to client

**Related hazards:** Hot works (bracket welding)

# Personal Protective Equipment & Permits

## PPE Required

Hard hat

Gloves

Safety glasses/goggles

Hearing protection

## Permits Required

Isolation / lock-off permit

Hot works permit

# COSHH Assessments

## Control of Substances Hazardous to Health

### **Coil cleaner**

**Use:** Cleaning indoor coil surfaces before commissioning.

**Exposure:** Skin contact, eye contact, mist inhalation

**Controls:**

- Wear gloves and goggles
- Use local ventilation
- Follow dilution guidance

**SDS:** <https://rams-builder.app/sds/examples/hvac-coil-cleaner.pdf>

# Emergency Procedures

## **First Aid**

Stop work, make the area safe, and summon the appointed first aider. Escalate any serious injury through the site emergency procedure and record the incident before work restarts.

## **Fire Emergency**

Raise the alarm, stop the task, isolate energy sources where safe to do so, and move to the agreed assembly point. Only trained operatives should attempt first-aid firefighting.

## **Spill Response**

Stop the source if safe, isolate the area, use the spill kit or absorbent materials listed in the COSHH controls, and dispose of contaminated waste in line with the SDS.

## **Nearest Accident & Emergency**

Nearest A&E to be confirmed during site induction and briefed to all operatives before works start.

## Signatures & Approvals

This document has been reviewed and approved by:

**Example Site Supervisor**

HVAC Engineer Supervisor

15/01/2026, 09:30:00

---

This Risk Assessment & Method Statement must be reviewed before work commences.  
All operatives must be briefed on the hazards and control measures outlined in this document.