

Risk Assessment & Method Statement

Plumber RAMS – Commercial plantroom pipework alteration

Version: 1

PUBLISHED

Trade: Plumber

Review Date: 22/10/2026

Basic Information

Organization: Blueforge Mechanical Ltd

Client: Westbridge Commercial Estates Ltd

Site: Kingsway House Plantroom Upgrade - Birmingham B4 6AA

Scope of Work

This RAMS covers Commercial plantroom pipework alteration at Kingsway House Plantroom Upgrade. It sets out the planned sequence of work, foreseeable hazards, control measures, permits, PPE, COSHH arrangements, emergency actions, and supervision requirements. The supervisor must review this document with the site-specific induction, construction phase plan, drawings, permits, and changing conditions before work starts.

Persons at Risk

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

Hazards & Risk Assessment

5 hazards identified

Scalds / hot water

Scalds / hot water can affect operatives and adjacent trades during Commercial plantroom pipework alteration. Controls are to be verified at the point of work by the supervisor.

Pre-Control: 14 (Medium Risk)

Post-Control: 5 (Low Risk)

Control Measures:

- Allow system to cool
- Protective gloves
- TMV where required
- Brief operatives at the daily start-of-shift coordination meeting and stop work if conditions change.

Legionella awareness

Legionella awareness can affect operatives and adjacent trades during Commercial plantroom pipework alteration. Controls are to be verified at the point of work by the supervisor.

Pre-Control: 13 (Medium Risk)

Post-Control: 4 (Low Risk)

Control Measures:

- Flush stagnant systems
- Temperature checks
- Follow HSG274
- Brief operatives at the daily start-of-shift coordination meeting and stop work if conditions change.

Hot works (soldering)

Hot works (soldering) can affect operatives and adjacent trades during Commercial plantroom pipework alteration. Controls are to be verified at the point of work by the supervisor.

Pre-Control: 12 (Medium Risk)

Post-Control: 3 (Low Risk)

Control Measures:

- Fire blanket behind joint
- Extinguisher available
- Hot works permit
- Brief operatives at the daily start-of-shift coordination meeting and stop work if conditions change.

Slips and trips (wet surfaces)

Slips and trips (wet surfaces) can affect operatives and adjacent trades during Commercial plantroom pipework alteration. Controls are to be verified at the point of work by the supervisor.

Pre-Control: 11 (Medium Risk)

Post-Control: 3 (Low Risk)

Control Measures:

- Non-slip mats deployed
- Wet floor signs
- Regular housekeeping
- Brief operatives at the daily start-of-shift coordination meeting and stop work if conditions change.

Manual handling (sanitary ware)

Manual handling (sanitary ware) can affect operatives and adjacent trades during Commercial plantroom pipework alteration. Controls are to be verified at the point of work by the supervisor.

Pre-Control: 10 (Medium Risk)

Post-Control: 3 (Low Risk)

Control Measures:

- Two-person lift
- Mechanical aids
- Clear route before lift
- Brief operatives at the daily start-of-shift coordination meeting and stop work if conditions change.

Method of Work

6 steps outlined

1

Isolate water supply

Related hazards: Scalds / hot water

2

Protect surrounding area

Related hazards: Legionella awareness

3

Remove / fit pipework

Related hazards: Hot works (soldering)

4

Pressure test connections

Related hazards: Slips and trips (wet surfaces)

5

Reinstate and clean up

Related hazards: Manual handling (sanitary ware)

6

Handover to client

Related hazards: Manual handling (sanitary ware)

Personal Protective Equipment & Permits

PPE Required

Hard hat

Gloves

Safety glasses/goggles

Steel toe-capped boots

Permits Required

Hot works permit

Water isolation permit

COSHH Assessments

Control of Substances Hazardous to Health

Pipe jointing compound

Use: Sealing threaded pipework during plantroom alterations.

Exposure: Skin contact, eye contact

Controls:

- Use nitrile gloves
- Avoid splashes
- Wash hands before breaks

SDS: <https://rams-builder.app/sds/examples/plumber-jointing-compound.pdf>

Emergency Procedures

First Aid

Stop work, make the area safe, and contact the appointed first aider via the site emergency number confirmed at induction. The supervisor must report serious incidents to Blueforge Mechanical Ltd management and prevent work restarting until the area is safe.

Fire Emergency

Raise the site alarm, stop the task, isolate energy sources only where safe, and proceed by the signed escape route to the designated assembly point. Do not attempt firefighting unless trained and it is safe to do so.

Spill Response

Stop the source if safe, cordon the area, and use the site spill kit or absorbent materials specified by the relevant SDS. Prevent entry to drainage, segregate contaminated waste, and report the event to the supervisor.

Nearest Accident & Emergency

Nearest A&E and the agreed emergency vehicle access point must be confirmed during the Kingsway House Plantroom Upgrade induction, recorded in the daily briefing, and communicated to all operatives.

Signatures & Approvals

This document has been reviewed and approved by:

Oliver Grant
Plumber Supervisor

03/08/2026, 10:30:00

Demonstration document using fictional project information. It must be reviewed, adapted, and approved for the actual site before work commences.

All operatives must be briefed on the hazards and control measures that apply to the live task.