

Construction Method Statement & Risk Assessment

Construction Method Statement

Project Title: Construction of a New Semi-Detached House

Project Location: [Insert site address]

Client: [Insert client name]

Principal Contractor: [Insert contractor name]

Prepared by: [Insert preparer name]

Date: [Insert date]

1. Scope of Works

This method statement describes the sequence, methods, and safety precautions for constructing a new semi-detached house, including:

- Site preparation and setting out
- Groundworks and foundations
- Superstructure (brick/block walls, floors, roof structure)
- Installation of doors, windows, and external finishes
- Internal works (partitions, MEP, plastering, flooring, joinery)
- Final finishes and landscaping

2. Responsibilities

- Site Manager: Overall responsibility for health, safety, and quality of works.
- Supervisors: Daily coordination of trades and compliance with method statement.
- Workers/Operatives: Follow safe systems of work, use PPE, and report hazards.
- Health & Safety Officer: Monitor compliance with site safety rules and legislation.

3. Plant, Equipment & Materials

- Excavators, dumpers, concrete mixers, scaffolding, lifting equipment
- Hand tools and power tools
- PPE: helmets, high-viz, gloves, boots, eye and ear protection
- Materials: concrete, masonry blocks, steel reinforcement, timber, roofing tiles, insulation, windows, doors, finishes

4. Method of Works

4.1 Site Preparation

- Secure site boundaries with hoarding/fencing.
- Install welfare facilities and signage.
- Carry out site clearance, removing vegetation and debris.
- Undertake site survey and setting out by qualified engineer.

4.2 Groundworks & Foundations

- Excavate foundations to approved depth (engineer's design).
- Inspect foundation trenches (by Building Control/Engineer).
- Place reinforcement (if required) and pour concrete.
- Allow curing before progressing.
- Construct substructure blockwork, install damp proof course (DPC).

4.3 Ground Floor Construction

- Place hardcore, compact, and apply sand blinding.
- Install damp proof membrane (DPM) and insulation.
- Lay reinforcement mesh (if required).
- Pour and finish ground floor slab.

4.4 Superstructure

- Construct cavity walls (inner and outer leaves) to floor and roof levels.
- Install structural elements (lintels, beams, floor joists as per design).
- Construct upper floors (suspended timber or concrete slab).
- Build roof structure (trusses/rafters), install felt, battens, tiles/slates.

4.5 External Works

- Install windows and doors.
- Apply external finishes (render, cladding, brickwork pointing).
- Install rainwater goods and external drainage connections.

4.6 Internal Works

- Construct partitions and first fix (electrical, plumbing, HVAC).
- Insulate and dry-line walls/ceilings.
- Plaster and apply undercoat finishes.
- Second fix (joinery, electrical, plumbing).
- Floor finishes, painting, tiling.

4.7 Testing & Commissioning

- Test all MEP installations.
- Inspect and rectify snags.

- Handover to client with O&M manuals.

4.8 External & Landscaping

- Construct driveways, paths, boundary walls/fencing.
- Carry out landscaping and planting.

5. Health, Safety & Environmental Considerations

- Risk Assessments carried out for each activity.
- PPE must be worn at all times.
- Manual Handling training and equipment provided.
- Dust & Noise controlled with suppression methods.
- Waste Management: segregated skips, recycling, and legal disposal.
- Emergency Procedures: fire extinguishers, first aid, evacuation plan.

6. Quality Assurance

- All works to comply with Building Regulations, planning approval, and relevant British Standards.
- Regular inspections by Site Manager and Building Control.
- Materials checked for compliance before use.

7. References

- Approved Drawings and Specifications
- Risk Assessments & COSHH Data Sheets
- Health & Safety at Work Act 1974
- CDM Regulations 2015
- Relevant British Standards & Building Regulations

Risk Assessment

Activity	Hazard	Risk	Control Measures
Site Preparation & Clearance	Moving vehicles, slips/trips, sharp debris	Injury from collisions, cuts, falls	- Clear site safely - Pedestrian/vehicle routes - PPE required
Excavation & Foundations	Collapse of trench, striking services, falls	Serious injury or fatality	- CAT scan before dig - Shoring/battering - Barriers and signage - Daily inspection
Concrete Works	Contact with wet cement, manual	Chemical burns, musculoskeletal	- Gloves & eye protection

	handling, vehicle movement	injury, struck by plant	- Use lifting aids - Trained plant operators only
Brick & Blockwork	Falling objects, collapse of incomplete walls, manual handling	Head injury, crush injury, strains	- Proper scaffolding - Exclusion zones - Mechanical aids
Working at Height	Falls from ladders, scaffolds, roofs	Serious injury/fatality	- Scaffold inspection weekly - Guardrails, toe boards, harnesses - Weather checks
Structural Carpentry & Roofing	Cuts from tools, falling materials	Lacerations, impact injuries	- Trained tool users - Secure materials - PPE mandatory
MEP Installation	Electric shock, slips, manual handling	Electrocution, injury	- Electrical isolation - Qualified trades only - PAT-tested tools
Plastering & Finishes	Dust inhalation, slips on wet surfaces	Respiratory issues, minor injuries	- Dust suppression - Ventilation - PPE (masks, goggles)
External Works & Landscaping	Plant movement, vibration, trips	Impact injury, HAVS, falls	- Segregated zones - HAVS awareness - Good housekeeping
General Site Activities	Fire, noise, poor housekeeping	Burns, hearing loss, accidents	- Fire extinguishers & alarms - Ear protection - Daily clean-up