



OUTPUT 02 — TASK SEQUENCE BUILDER

● FOR APPROVAL

BAI-TSB-SXW-STL-001 · REV 01

Task Sequence Builder

The work, broken into a defensible step-by-step sequence with predecessors, durations, hold points and the critical path made explicit. **The method statement is built around this. Hazards are mapped against this. Compliance is structured against this.**

CLIENT	SITE	WORK TYPE	PROGRAMME
Aldridge Construction Tier 1 contractor · UK	Saxon Wharf Phase 2 Commercial development · Bristol BS1 6QH	Structural steel 5-storey + roof, primary frame	3 weeks Mon 18 May – Fri 5 Jun 2026

AI-ASSISTED This task sequence was generated from the Output 01 Job Intake against Built AI's steel-erection task library. Predecessors, durations and critical-path identification reviewed by a competent person. **The sequence drives every downstream output** — the hazard matrix, PPE schedule, permits and evidence pack are all structured against the tasks listed below.

21 TASKS IN SEQUENCE	6 PHASES	6 CRITICAL- PATH TASKS	4 HOLD POINTS	18d TOTAL DURATION
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Phase view — at-a-glance sequence

PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6
Pre-erection 2 days · Setup & verification	Frame Level 1 4 days · Baseplate to L1 secondary	Frame Level 2 3.5 days · L2 columns to bracings	Frame Level 3 3 days · L3 columns & beams	Roof level 1.5 days · Ridge, secondary, purlins	Finishing 4.25 days · Torque, fire protection, sign-off
T01 Site mobilisation & welfare setup T02 Survey & set-out verification T03 Holding-down bolts level check T04 Crane & lifting plan briefed	T05 Base plate installation Level 1 T06 Column erection Level 1 T07 Primary beam connection L1 T08 Secondary beam infill L1	T09 Column erection Level 2 T10 Primary beam connection L2 T11 Secondary beam infill L2 T12 Bracings L1 & L2	T13 Column erection Level 3 T14 Primary beam connection L3 T15 Secondary beam infill L3	T16 Roof level steels T17 Roof bracings & purlins	T18 Final torque-up & weld inspection T19 Intumescent fire-protection coatin T20 Final dimensional survey T21 Handover to following trade

Critical path

Hold point

Standard task

Detailed sequence — task by task

ID	PHASE	TASK DESCRIPTION	PREDECESSOR	DURATION	TYPE	STATUS
T01	P1	Site mobilisation & welfare setup Welfare cabin, secure lockdown, laydown, fuel store	—	0.5 d	STANDARD	PLANNED
T02	P1	Survey & set-out Surveyor check vs structural drawings	T01	0.5 d	HOLD POINT	PLANNED

		verification — HOLD POINT before steel arrives				
T03	P1	Holding-down bolts level check All baseplate bolts checked vs design — HOLD POINT before erection	T02	0.5 d	HOLD POINT	PLANNED
T04	P1	Crane & lifting plan briefed Lift plan reviewed with crane driver and slingers; exclusion zones agreed	T03	0.25 d	STANDARD	PLANNED
T05	P2	Base plate installation Level 1 All baseplates positioned, levelled, grouted	T03	1.0 d	STANDARD	PLANNED
T06	P2	Column erection Level 1 Primary columns set, plumbed, temporarily braced — CRITICAL PATH	T05	1.5 d	CRIT PATH	PLANNED
T07	P2	Primary beam connection L1 Main beams between columns, bolted, temporary connections — CRITICAL PATH	T06	1.0 d	CRIT PATH	PLANNED
T08	P2	Secondary beam infill L1 Joist beams populating bays, decking supports	T07	1.0 d	STANDARD	PLANNED
T09	P3	Column erection Level 2 L2 columns lifted, plumbed, braced — CRITICAL PATH	T07	1.0 d	CRIT PATH	PLANNED
T10	P3	Primary beam connection L2 L2 main beams placed and bolted — CRITICAL PATH	T09	1.0 d	CRIT PATH	PLANNED
T11	P3	Secondary beam infill L2 L2 joists and decking supports	T10	1.0 d	STANDARD	PLANNED
T12	P3	Bracings L1 & L2 Permanent cross-bracings to wind frame	T10	0.5 d	STANDARD	PLANNED
T13	P4	Column erection Level 3 L3 columns — CRITICAL PATH	T10	1.0 d	CRIT PATH	PLANNED
T14	P4	Primary beam connection L3 L3 main beams — CRITICAL PATH	T13	1.0 d	CRIT PATH	PLANNED

T15	P4	Secondary beam infill L3 joists	T14	1.0 d	STANDARD	PLANNED
T16	P5	Roof level steels Ridge beams, secondary roof steels, parapet steels	T14	1.0 d	STANDARD	PLANNED
T17	P5	Roof bracings & purlins Wind bracings, roof purlins for cladding	T16	0.5 d	STANDARD	PLANNED
T18	P6	Final torque-up & weld inspection All bolts to specified torque, weld NDT inspection — HOLD POINT	T17	1.5 d	HOLD POINT	PLANNED
T19	P6	Intumescent fire-protection coatings Spray-applied intumescent to specified DFT	T18	2.0 d	STANDARD	PLANNED
T20	P6	Final dimensional survey Surveyor as-built check — HOLD POINT before handover to following trade	T19	0.5 d	HOLD POINT	PLANNED
T21	P6	Handover to following trade Cladding & finishes contractor takes possession	T20	0.25 d	STANDARD	PLANNED

HOW TO USE THIS SEQUENCE

This task sequence is the spine of the RAMS pack. Output 03 (Hazard-Risk-Control Matrix) maps hazards to each task ID. Output 04 (PPE & Plant Schedule) maps PPE and plant requirements per task. Output 05 (Permits & Isolations) cross-references permit needs against the hold points. **If the sequence changes, the downstream outputs change with it** — the workflow is governed end-to-end.

SEQUENCE — BUILT AI

Author confirmation

I confirm the task sequence has been generated from the approved Output 01 Intake and the structural design package. Predecessors,

APPROVER — CONSTRUCTION MANAGER

Approval for issue

As Construction Manager I confirm the sequence is consistent with the approved programme, the lift plan

durations and critical-path
 identification have been reviewed
 against the agreed programme.

 AUTHOR + ROLE

 SIGNATURE + DATE

and the agreed outage windows.
 The hold points and critical path are
 appropriate for the scope and
 complexity of works.

 CONSTRUCTION MANAGER

 SIGNATURE + DATE

ABOUT THIS DOCUMENT

RAMS Factory™ Output 02 — Task
 Sequence Builder. Prepared by Built AI for
 the structural steelwork erection at Saxon
 Wharf Phase 2, Bristol. Demonstration
 document — all client and site details
 fictionalised.

OUTPUT 02 OF 11

- 01 Job Intake Form
- 02 Task
Sequence Builder
- 03-10 Downstream
outputs
- 11 RAMS QA Checklist

DOCUMENT
 CONTROL

Ref · BAI-TSB-SXW-
 STL-001
 Revision · 01
 Date · 02·05·2026
 Author · Built AI
 Status · For approval