



Generated file by QChecklists
<https://quollnet.com>

Review façade constructability & install sequence pre-tender

Review façade constructability and installation sequence before tender issue with an interactive checklist that's commentable and export as PDF/Excel, aligning buildability, access, and sequencing before procurement.

Project:

Date:

Filled by:

Design & Documentation

1	Verify completeness of façade GA drawings, details, schedules, and fixing layouts against BIM model; acceptance: no missing references or TBD notes; evidence: signed document register and annotated review log.
2	Validate façade zone depth and offsets against structure/MEP using federated BIM clash detection; acceptance: zero hard clashes and soft clearance ≥ 25 mm; evidence: clash report PDF with date and model version.
3	Review material and system specifications for durability, fire resistance, and warranties using data sheets; acceptance: meets approved project specifications and authority requirements; evidence: compiled submittal list with responsible party and due dates.
4	Confirm testing and mock-up scope (air/water, structural, acoustic) from specifications; acceptance: clearly defined test types, locations, and acceptance criteria; evidence: test and mock-up matrix approved by design manager.

Interfaces & Structure

5	Check calculated anchor loads versus base material capacity using structural calculations; acceptance: demonstrated safety factors per approved project specifications; evidence: signed connection calculations and anchor schedule.
6	Coordinate embed/insert locations with bracket geometry using setting-out drawings and model; acceptance: positional deviation ≤ 10 mm in x/y and ≤ 5 mm in z; evidence: coordinated drawings with clouded changes.
7	Verify building drift, thermal and seismic movements against joint allowances using movement summary; acceptance: joint/reserve movement $\geq$ predicted movement + 5 mm; evidence: movement table linked to details.
8	Confirm water-management at interfaces (sills, upstands, membranes) via detail review; acceptance: continuous laps ≥ 100 mm and positive drainage paths; evidence: redlined details and interface register.

Tolerances & Adjustability

9	Assess bracket adjustability ranges (x/y/z) versus survey tolerances using manufacturer data; acceptance: vertical ± 15 mm, horizontal ± 10 mm, stand-off ± 15 mm minimum; evidence: datasheets highlighted and tolerance matrix.
10	Check glazing/panel dimensional tolerances and gasket bite using manufacturer manuals; acceptance: edge clearance 2–6 mm; gasket bite ≥ 6 mm; evidence: specification extract and calculation snippet.
11	Confirm subframe straightness and deflection under service loads via span check; acceptance: deviation ≤ 8 mm between adjacent brackets; evidence: simple calc sheet and span layout.
12	Compile tolerance stack-up from structure to finished face using matrix; acceptance: residual install tolerance ≥ 5 mm after allowances; evidence: approved tolerance matrix signed by stakeholders.

Access, Lifting & Logistics

13	Select access method (mast climbers, cradles, MEWPs) using reach studies; acceptance: 100% elevation coverage with ≥ 500 mm overlap; evidence: access layout drawings and elevation markups.
14	Prepare lifting study for heaviest unit and maximum radius using crane charts; acceptance: WLL $\geq 2 \times$ component weight at planned radius; evidence: lift plan, crane chart, and route sketch.
15	Plan on-site storage and protection using logistics plan; acceptance: pallets off-ground, covered, strapped; aisles ≥ 1.2 m; evidence: logistics drawing and material protection method statement.
16	Sequence deliveries by elevation/zone tied to install dates using lookahead; acceptance: just-in-time arrival within 24 h of install; evidence: delivery schedule linked to programme IDs.

Sequence & Temporary Works

17	Map installation sequence from primary brackets to final sealant using method statement; acceptance: clear predecessors, no inaccessible fixings; evidence: step-by-step flowchart and WBS codes.
18	Define temporary weather-tightness strategy per floor using details and materials list; acceptance: no exposed joints after shift; evidence: sketch details and material take-off.
19	Set QA hold and witness points in ITP (first-off bracket, first panel, water test); acceptance: roles/responsibilities and records defined; evidence: draft ITP with signatures.
20	Establish remediation methods for misaligned embeds or out-of-plumb structure; acceptance: approved shimming/packers or remedial anchors; evidence: remedial detail and approval note.

Quality Records & Approvals	
21	Specify as-built survey method using total station or laser scan; acceptance: point grid ≤ 2.0 m and datum agreed; evidence: survey plan and template CSV.
22	Create photographic evidence checklist for each activity; acceptance: overview, close-up of fixings, torque reading, and lot labels; evidence: photo checklist embedded in ITP.
23	Define anchor verification (pull-out or torque) using calibrated tools; acceptance: results meet manufacturer limits; evidence: calibration certificate and test log with N·m/kN readings.
24	Agree RFI/submittal workflow and response times with stakeholders; acceptance: turnaround ≤ 5 working days; evidence: communication plan with contacts and escalation path.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Review façade constructability and installation sequence before tender issue establishes clear, testable buildability and sequencing requirements before pricing. This preconstruction façade buildability review aligns design intent, installation logistics, and erection sequencing so bidders price the same safe, achievable method. It focuses on constructible details, movement accommodation, interfaces to structure and membranes, tolerances and adjustability, access planning, lifting constraints, temporary weather protection, and quality hold points. Done well, it prevents redesign during procurement, avoids inaccessible fixings, reduces temporary works surprises, and improves programme reliability. The checklist targets design managers, façade engineers, planners, and contractors preparing tender packages, and excludes detailed trade means-and-methods or proprietary cost benchmarking. Outcomes include coordinated drawings and BIM, a verified sequence from brackets to final sealant, evidence-ready QA steps, and a logistics plan covering storage and just-in-time deliveries. Use this interactive checklist to tick items, add comments, assign actions, and export to PDF/Excel with a secure QR code for verification.	1. Preparation: Gather current BIM federation, GA drawings, detail packs, movement summaries, structural surveys, manufacturer datasheets, crane charts, and access studies. Equip with total station outputs, torque/pull-test procedures, and site logistics constraints. 2. Open the checklist in interactive mode and assign owners for each group (design, interfaces, tolerances, access, sequence, QA). Set due dates aligned with the tender issue milestone. 3. Work through items sequentially. Tick completed checks, add comments with evidence (photos, clash reports, calculations), and link drawing/model references. Use @mentions to request inputs and resolve actions. 4. Attach supporting artefacts: tolerance matrix, interface register, lift plan, access layouts, remedial details, and the draft ITP. Ensure files carry revision, date, and author. 5. Run a short review meeting. Filter unticked items, agree mitigations, and update the programme IDs and responsibilities. Record decisions directly in the comments. 6. Export: Generate a commentable tender annex and export as PDF/Excel for bidders. Share the QR-secured link so recipients verify authenticity and latest revision. 7. Sign-Off: Capture digital signatures from design manager, façade consultant, and planner. Archive the checklist and evidence pack in the project CDE with QR authentication.