



Review façade slab-edge details and dimensional reservations

Review façade slab-edge details and dimensional reservation requirements with an interactive checklist, fully commentable, and export as PDF/Excel. Capture tolerances, photos, and approvals.

Project:

Date:

Filled by:

Survey Control & Reference Data

1	Verify slab-edge grid alignment to BIM/drawings using a total station; acceptance $\leq \pm 5$ mm plan position over 10 m. Upload survey report, instrument calibration certificate, and annotated screenshots.
2	Check slab-edge level (RL) against specified FFL using auto level/laser; acceptance ± 5 mm across bay. Record benchmark references, level book entries, and a photo of staff readings.
3	Confirm façade primary datum offsets (bracket centrelines) are set out and marked; acceptance ± 5 mm to datum. Upload marked-edge photos and coordinate file with datum layers visible.

Slab-Edge Geometry & Tolerances

4	Measure edge straightness with a 3 m straightedge and feeler gauges; out-of-straight ≤ 5 mm. Photograph gauge readings at quarter points and note corrective grinding if needed.
5	Check perpendicularity of edge to adjacent walls/frames using laser square; deviation ≤ 5 mm over 3 m. Capture laser layout photo and sketch showing measured deviations.
6	Verify rebates, steps, chamfers, and drip grooves match drawings; dimension tolerance ± 5 mm depth/width. Attach tape-measure photos and redlined detail referencing drawing number and revision.
7	Confirm concrete cover to edge reinforcement at anchor zones using cover meter; acceptance per approved project specifications and authority requirements, documented reading $\geq$ specified minus 5 mm. Upload readings and reinforcement layout sketch.

Façade Anchorage & Embeds

8	Locate cast-in anchors/plates with cover meter and tape; position to shop drawings within ± 5 mm, never infringing minimum edge distances. Record plate IDs, weld stamps, and location photos.
9	Check embed plate levelness and face flatness with digital level and straightedge; ≤ 3 mm over 1 m. Photograph bubble/reading and note any shimming plan if outside tolerance.
10	Verify clear rebar/MEP-free drilling corridor at post-installed anchor zones using rebar scanner; acceptance: no bars/services within the manufacturer's exclusion envelope. Upload scan maps and calibrated tool certificate.
11	Confirm thermal-break plate or pad recess dimensions against shop drawings; tolerance ± 5 mm in length/width, ± 3 mm in depth. Photo with steel rule and material submittal reference.

Thermal/Waterproofing Interfaces	
12	Measure reserved thickness for continuous insulation/thermal break at slab edge with caliper; acceptance: design thickness ± 3 mm along tested points. Upload measurement log and continuity photos.
13	Verify waterproofing upturn/downstand heights at edges/thresholds using tape; acceptance per approved project specifications and authority requirements, tolerance ± 5 mm. Attach QA hold-point release and photos before concealment.
14	Check drip details, sills, and falls away from interior with digital level; slope $\geq 1:100$. Document spot readings and water test evidence with timestamped images.

Fire/Movement & Envelope Gaps	
15	Measure façade-to-slab edge joint width with feeler gauges/tape; acceptance: design joint width 0/+10 mm to preserve adjustability. Upload joint map and bracket slot capacity check.
16	Confirm reserved firestop cavity depth and backing support match the approved system; tolerance ± 5 mm. Attach system approval reference, mock-up photos, and installation sequencing note.
17	Validate movement joint gaps and cover-plate fixing zones are clear of reinforcement/services; dimensions per drawings ± 5 mm. Provide annotated photos and detail callout reference.

Coordination & Documentation	
18	Clash-check MEP penetrations within 300 mm of slab edge against reserved façade zones using federated BIM; acceptance: zero unresolved clashes. Upload Navisworks screenshot and RFI closeout number.
19	Verify temporary edge protection fixings avoid façade anchor areas; acceptance: no holes within reserved zones. Provide marked-up edge photos and supervisor sign-off.
20	Confirm tolerance stack-up: structure, bracket slots, unit adjusters; acceptance: residual adjustability $\geq \pm 15$ mm vertically and horizontally. Upload calculation sheet and bracket data sheet.
21	Check latest approved shop drawings/revisions used on site; acceptance: stamps current and consistent with BIM issue. Attach approval stamps and transmittal references.
22	Log nonconformances and corrective actions for any deviations; acceptance: agreed rectification plan with dates and responsible parties. Upload NCR forms and closeout evidence.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Review façade slab-edge details and dimensional reservation requirements is a focused quality-control process that verifies the concrete edge geometry, anchor zones, and interface allowances before façade works proceed. This checklist targets façade edge coordination, slab-edge reservations, and embed plate layout so tolerances, clearances, and adjustability stack-ups are proven on site. By checking survey control, straightness, recesses, upstands, anchor edge distances, thermal breaks, waterproofing upturns, and firestop cavities, teams avoid costly drilling conflicts, misaligned brackets, and water ingress. The scope excludes full façade system design and structural calculations; it validates built concrete and reserved spaces against approved shop drawings, BIM models, and project specifications. Outcomes include predictable bracket setting, compliant joint widths, continuous insulation, service clash avoidance, and documented evidence suitable for approvals. Use this interactive checklist to tick items, add field comments with photos, and instantly export to PDF or Excel via a secure QR-linked record.	1. Preparation: Bring calibrated total station, auto level, 3 m straightedge, feeler gauges, rebar scanner, digital level, PPE, approved shop drawings, BIM views, and permits. Ensure latest revisions and instrument certificates are available offline. 2. Open the checklist on your device, select project, level, and grid lines. Load the current drawing set and link façade details for quick referencing during measurements. 3. Using the Interactive Checklist: Start interactive mode, tick items after measuring, attach photos with visible gauges, and tag locations. Add comments for deviations and link RFI or NCR numbers. 4. Record acceptances with numeric tolerances and traceability: instrument IDs, calibration dates, drawing references, and witnessed sign-offs from structural and façade leads. 5. Export: Generate a timestamped report and export to PDF/Excel. Share the QR code for verification and archive in the project CDE with version control. 6. Sign-Off: Collect digital signatures from the superintendent, site engineer, and façade contractor. Distribute to stakeholders and lock the record for audit.