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Review façade interface: balustrades & edge protection

Review façade interface with balustrades, guardrails, and edge protection using an interactive checklist; commentable and export as PDF/Excel for compliance.

Project:	
Date:	
Filled by:	

Pre-Installation Verification	
1	Confirm latest approved drawings/specifications and method statements are on site; cross-check interface details; record document numbers/revisions; capture photos of posted sets; acceptance: documents match current approvals per project specifications and authority requirements.
2	Survey slab edge/façade reference lines with a calibrated laser level; record level/plumb deviations; acceptance: ≤ 5 mm over 2 m and cumulative ≤ 10 mm; attach marked-up photos and instrument calibration certificate.
3	Measure embed plates/inserts coordinates and edge distances using a steel tape; acceptance: within ± 5 mm of setting-out; minimum edge distances per approved drawings; log measurements and upload redlined layout.
4	Verify material compatibility: stainless, galvanised steel, aluminium, and façade fixings; check isolation pads/washers; acceptance: documented isolation/compatibility per submittals; attach product datasheets and corrosion category confirmation.

Structural Fixings & Anchors	
5	Confirm anchor type/capacity vs design loads and substrate (concrete, steel, masonry); acceptance: approved anchor model matches submittal; evidence: packaging photos, approval/ETA references, and batch/lot numbers.
6	Check anchor spacing and edge distances with tape and template; acceptance: per approved drawings; no anchor closer than the specified edge distance; attach measurement log and marked photos.
7	For bonded anchors, verify hole diameter/depth, blow–brush–blow cleaning, and curing time; acceptance: embedment depth within ± 3 mm; no installation before full cure; record adhesive batch/expiry and time-stamped photos.
8	Torque-test mechanical anchors with a calibrated torque wrench; acceptance: achieve specified torque within ± 10%; record readings per anchor, wrench serial number, and calibration date; attach photos of gauge during test.
9	Inspect baseplate welds/brackets using weld gauges; acceptance: weld size/length and continuity per approved WPS; no cracks/undercut; record welder ID and close-up photos.
10	Check post plumb and rail level using a digital inclinometer/laser; acceptance: ≤ 2 mm per 1 m or ≤ 0.2° from true; attach readings and overview photos.

Interface Detailing & Waterproofing	
11	Verify continuity of air/water barriers at penetrations: sleeves, collars, tapes; acceptance: fully bonded laps with no fish-mouths; evidence: close-ups before/after bracket installation.
12	Confirm sealant joint width/depth and backer rod placement with a depth gauge; acceptance: dimensions per manufacturer; clean, primed substrates; attach product label, lot number, and bead close-ups.
13	Install thermal break pads/shims at metal-to-metal interfaces; acceptance: thickness per drawing within ± 1 mm; continuous coverage under brackets; evidence: measurements and photos before bolting.
14	Check flashings/drip edges around balcony/edge details; acceptance: outward fall ≥ 5° and overhang ≥ 10 mm; no reverse fall; attach photos and inclinometer reading if applicable.
15	Treat cut edges and site-drilled areas with approved coating; acceptance: dry film thickness per submittal measured with a DFT gauge (µm); record readings and product batch.

Alignment, Tolerances & Clearances	
16	Measure top rail/guard height from finished floor level with a steel rule; acceptance: height per approved drawings and authority requirements; record min/average values and location-tagged photos.
17	Verify baluster/infill spacing using a go/no-go gauge; acceptance: maximum opening per approved drawings; no oversized gaps at corners; upload gauge photos and measurement sheet.
18	Check glass infill edge clearances to channels/gaskets with feeler gauges; acceptance: per drawing, typically uniform ± 1 mm; no edge contact; attach close-up photos.
19	Confirm rail offsets/returns avoid contact with façade glazing; acceptance: maintain ≥ 50 mm clearance to glass/frames; evidence: measured photos with scale and marked clearances.
20	Verify balcony/edge drainage paths are unobstructed by posts/baseplates; acceptance: ≥ 10 mm free gap to scuppers/channels; perform small water pour test; attach video/photo and notes.

Temporary Edge Protection Controls	
21	Confirm temporary edge protection class/layout matches the risk assessment; acceptance: installed by a competent person; current inspection tag present; attach tag photo and installer ID.
22	Check clamps/pads do not damage façade finishes; acceptance: soft isolation pads fitted; no scratching/cracking; before-and-after photos at each clamp point.
23	Apply a 0.3 kN lateral load (controlled) to mid-rail; acceptance: no contact with façade surfaces; deflection within specified limits; record displacement with tape and photo.
24	Establish inspection frequency and bay IDs; acceptance: daily/weekly checks logged; QR stickers applied at access points; upload register screenshots and sample sign-offs.

Documentation & Handover	
25	Collect approvals: shop drawings, method statements, installation manuals; acceptance: revisions current; upload PDFs to checklist and note superseded sets removal.
26	Record materials certification: stainless grade, galvanizing thickness, sealant type; acceptance: matches submittals; attach mill certificates, galvanizing reports (µm), and product data.
27	Capture as-built photos of each interface: fixings, seals, covers; acceptance: clear, time-stamped, location-referenced; link to drawing grid/bay; include overview and detail shots.
28	Obtain final acceptance: supervisor and safety officer digital signatures; generate punch-list closeout; acceptance: all items closed or approved deviations documented; export PDF/Excel.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Review façade interface with balustrades, guardrails, and edge protection is a focused construction QA/Safety checklist for verifying barrier-to-façade junctions. It addresses façade-to-balustrade joints, guardrail connections, and temporary edge protection near finished surfaces. The scope covers structural fixings, anchors, alignment, waterproofing at penetrations, material compatibility, and damage prevention. By standardizing inspections, you reduce fall risks, water ingress, galvanic corrosion, thermal bridging, glazing damage, and blocked drainage. Outcomes include demonstrably safe, watertight, and durable interfaces, documented with measurements, photos, batch numbers, and digital sign-offs per approved project specifications and authority requirements. Use this checklist during pre-installation, installation, and before handover or removal of temporary systems. It excludes unrelated façade trades (e.g., window function tests, full balcony waterproofing) except where directly impacted by barrier interfaces. Start in interactive mode to tick items, add comments for nonconformances, and export records to PDF/Excel with a QR-backed audit trail.	1. Preparation: assemble approved drawings, method statements, torque wrench (calibrated), laser level, gauges, sealant tools, PPE, and a mobile device with online access. 2. Set project context: create a location-based structure (level/bay/unit) and assign responsible persons for structural, waterproofing, and safety checks. 3. Start interactive mode: open the checklist, scan or place QR codes at access points, and brief the team on evidence requirements. 4. Work through sections in order; tick items as completed, attach photos, measurements, and batch numbers; reference instrument calibration certificates. 5. Use comments to flag nonconformances; tag assignees, set due dates, and upload marked-up drawings showing corrective actions. 6. Re-verify rectified items; add follow-up photos and readings; resolve comments to maintain a clear audit trail. 7. Export as PDF/Excel including photos, signatures, and logs; verify embedded QR code opens the authenticated online record. 8. Sign-off: capture digital signatures from installer, supervisor, and safety officer; archive records per project and authority requirements.