Generated file by QChecklists
https://quollnet.com

Review façade GRC or GFRC panel support & movement

Review façade GRC or GFRC panel support and movement accommodation via interactive, commentable checklist that exports as PDF/Excel and secures sign-off via QR.

Project:	
Date:	
Filled by:	

Pre-Installation Verification	
1	Confirm latest approved shop drawings, fixing schedules, and movement calculations are on site; verify revision and approval stamps match the inspection area; capture photos of front sheets and RFI/TCN references.
2	Survey primary substrate and cast-in anchors using a total station or laser; record coordinates and elevations; accept if within ±5 mm location and level within ±3 mm over 3 m; attach survey extract.
3	Record ambient and panel temperatures with an IR thermometer and humidity with a hygrometer; accept if within manufacturer application limits; upload time-stamped photos of readings.
4	Verify access equipment, lifting gear WLL, and tag dates; accept if certification is in date and capacity exceeds panel weight by specified safety factor; attach certificates and tag photos.

Primary Support Brackets	
5	Check bracket type, grade, and isolators against the bracket schedule; accept if labels and dimensions match; isolators intact with full contact; capture packaging labels and installed photos.
6	Measure post-installed anchor edge distances and embedment using a caliper/borescope; accept if not less than manufacturer minimums; record torque-set values; attach close-up photos with a scale.
7	Verify shim stacks under brackets with feeler gauges; accept if solid, full bearing, corrosion-resistant, and total stack thickness within specification; upload photos of each shim pack.
8	Tighten bracket bolts using a calibrated torque wrench; accept if torque achieves specification within ±10%; apply paint-mark to nuts; record tool serial and calibration date with readings.

Subframe Alignment and Tolerances	
9	Align rails/secondary steel to control lines with a laser; accept if plumb within 3 mm per 3 m and straight within ±2 mm over 2 m; upload survey screenshots.
10	Confirm thermal break pads at brackets are continuous, correctly sized, and undamaged; accept if contact fully covers bearing area with no gaps; provide close-up photos.
11	Check elongated holes and sliding points are free of burrs and obstructions; accept if washer clearance to slot ends is ≥3 mm at mid-position; attach photos showing clearance.
12	Inspect corrosion protection at cut edges and fixings; measure dry film thickness with a DFT gauge; accept if repaired/coated per specification; upload readings and repair method.

Panel Fixings and Restraint	
13	Confirm lifting inserts are removed or capped and permanent fixings correctly identified; accept if only designed permanent fixings engage; attach marked-up photos.
14	Set panels onto bearing brackets with approved elastomer pads; measure effective bearing length; accept if uniform and not less than specification; upload gauge photos.
15	Install fixed and sliding restraints as detailed; tighten fixed-point bolts to spec torque and leave sliding points centered and free; accept with torque logs and photos of slot position.
16	Verify isolation between dissimilar metals and concrete using approved separators/sleeves; accept if no direct contact occurs; upload detailed photos at each interface.

Movement Joints and Sealants	
17	Measure panel-to-panel and panel-to-return joint widths using feeler gauges; accept if per drawings within ±3 mm; log results by panel ID with photos.
18	Fit closed-cell backer rods of correct diameter; accept if compressed about 25% and depth enables specified sealant geometry; capture continuous placement photos.
19	Apply sealant per manufacturer method; perform wet adhesion probe/pull-tab checks; accept if continuous, void-free, and curing recorded; upload batch numbers and test photos.
20	Confirm drainage/weep paths and baffles are unobstructed; perform localized water spray where safe; accept if free-flowing with no ponding; attach photos/videos.

Documentation and Sign-Off	
21	Record each panel ID with bracket set, fixing types, torque values, and joint measurements; accept if fields complete; attach photo suite and as-built markups.
22	Upload approvals: method statements, manufacturer letters, and torque tool calibration certificates; accept if in date and matching equipment IDs; log reference numbers.
23	Survey final façade plumb, level, and offsets with a laser or total station; accept if within design tolerances; attach report and control line references.
24	Obtain digital sign-offs from installer, main contractor, and consultant; accept when all parties sign; export PDF/Excel with QR authentication and archive.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Review façade GRC or GFRC panel support and movement accommodation ensures your façade's load paths and joints allow controlled movement without distress. This checklist focuses on GFRC/GRC fixing inspection, bracket and anchor verification, and movement joint detailing for rainscreen or cladding façades. It excludes unrelated works such as internal linings or alternate cladding systems. By validating brackets, rails, fixed and sliding points, and sealant joints, you reduce risks of cracking, spalling, rattling, water ingress, bimetallic corrosion, and warranty failures. You will confirm tolerances with lasers and gauges, verify torque with calibrated tools, and document batch numbers, cure times, and as-built surveys. The outcome is an aligned, drainable, and resilient panelized façade that accommodates thermal, creep, and building-frame movements per approved project specifications and authority requirements. Use this interactive checklist on any device: tick items, add comments and photos, and export to PDF/Excel with a QR-secured sign-off for traceable, auditable QA.	1. Preparation: gather approved drawings, bracket schedules, sealant data, and method statements. Calibrate torque wrenches, prepare lasers, feeler gauges, IR thermometer, DFT gauge, borescope, and PPE. Confirm access, lifting plans, and weather windows. 2. Open the interactive checklist on a mobile or tablet. Select the area/elevation and enable location/time stamping. Tick items as you inspect and attach photos, measurements, and tool serials. 3. Use comments to flag nonconformities, reference RFIs, and assign actions with due dates. Tag panel IDs so re-inspections and closeout are traceable. 4. When complete, generate an export to PDF/Excel. Share with the installer, GC, consultant, and fabricator for review and corrective actions if required. 5. Sign-Off: capture digital signatures from responsible parties. Archive the QR-authenticated export and store calibration certificates and batch records with the inspection package.