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Test façade access anchors and davit points: proof load

Test façade access anchors and davit points for proof load compliance with our interactive checklist. Commentable steps and evidence capture; export as PDF/Excel.

Project:	
Date:	
Filled by:	

Pre-Test Administration	
1	Confirm test criteria (proof load magnitude, hold time, displacement limits) per approved project specifications and authority requirements; record document references; upload the approval page.
2	Verify each anchor/davit point ID matches the asset register; photograph tag/serial plate and GPS location; reconcile discrepancies before testing.
3	Review permit-to-work, risk assessment, and rescue plan specific to suspended access; obtain signatures; upload signed copies prior to site setup.
4	Notify stakeholders and schedule access; establish test window to avoid public/tenant disruption; log notification timestamp and recipients.

Site Safety and Setup	
5	Set rooftop exclusion around test point with barriers and signage ≥ 2 m radius; photograph setup from two angles before loading.
6	Verify edge protection or temporary lifelines are installed and used; record user tie-off points and obtain user competency sign-offs.
7	Establish drop zone at ground level; cordon ≥ 5 m radius aligned with test point; post a spotter; photo evidence required.
8	Confirm weather limits: wind speed ≤ 10 m/s and no precipitation during loading; record actual conditions with an anemometer and photo.

Equipment Calibration and Setup	
9	Check calibration certificates for load cell and hydraulic pump/gauge within 12 months; ensure accuracy ±1% FS; upload certificates.
10	Inspect reaction frame, slings, and shackles; WLL ≥ 1.5 × target proof load; verify tags; reject any with cuts, kinks, or corrosion.
11	Align tester with in-service load direction; axial or outward pull as applicable; verify alignment within ±5°; photo alignment close-up.
12	Zero the load cell and displacement gauge; record tare readings; confirm stable baseline before applying any preload.

Anchor and Davit Inspection	
13	Visually inspect anchor/davit base, fixings, welds, and surrounding waterproofing; acceptance: no cracks, distortion, loose hardware, or visible leaks; capture close-up photos.
14	Confirm substrate type and embedment (from as-builts or NDT such as rebar scanner/borescope); acceptance: matches drawings; upload verification images or scan logs.
15	Check clearance for rigging and tester components; maintain ≥ 300 mm around the point; remove debris; photograph clear working area.

Proof Load Procedure	
16	Connect the tester using compatible hardware (eye bolt adapter, swivel) to prevent side-loading; confirm all connectors locked; photo entire load path.
17	Apply a seating preload at 5–10% of target proof load; hold 60 s; check for slippage; record initial displacement (mm).
18	Increase load in 25% increments to 100% target; hold each step 60 s; log load (kN) and displacement (mm) at each increment.
19	At full proof load, hold 3 min; monitor for movement or distress; acceptance: stable readings and no distress; capture gauge/photo timestamp.
20	Release load gradually to zero; record residual displacement; acceptance: permanent set within specified tolerance; enter value and pass/fail.
21	For davit sockets, verify moment testing setup with calibrated lever arm length L (m); apply specified proof moment (kN·m); record deflection and hold time.

Post-Test Documentation and Handover	
22	Reinspect point and surrounding finishes; acceptance: no new cracks, seal failures, or loose fixings; photograph post-test condition.
23	Update asset tag with pass/fail status, date, technician, and next due test; affix durable QR label; photo the tag in place.
24	Compile report: load–time graph, displacement table, photos, certificates, signatures; export PDF/Excel; distribute to stakeholders; archive in asset register.
25	If failed, isolate asset, mark Do Not Use, notify engineer, and schedule remediation/retest; upload isolation photos and notifications.

Comments:

Filled by:

Signature:

Introduction	How to use this checklist
Test façade access anchors and davit points for proof load compliance to verify that installed hardware can safely sustain in-service forces. This checklist supports proof loading, pull testing, and functional verification of permanent fall arrest anchors and davit sockets used for rope access and suspended platforms. The scope covers onsite testing only—planning, calibration, controlled loading, and documentation—not design calculations or permanent repairs. By following these steps, you reduce risks of anchor failure, uncontrolled movement, façade damage, and water ingress while producing traceable evidence for audits. The checklist emphasizes correct loading direction, load increments, hold times, and acceptance criteria per approved project specifications and authority requirements. You will confirm equipment calibration, establish exclusion zones, verify asset identity, and record displacement and pass/fail outcomes. Use this interactive template to tick items, add comments, attach photos and calibration certificates, and export results. Start now: tick, comment, and export to PDF/Excel with QR-secured records.	1. Preparation: Assemble calibrated load cell and pump, reaction frame, slings, shackles, displacement gauge, PPE (harness, lanyard, helmet), barriers, anemometer, and documents (permits, asset register, specs). Confirm weather and access, then open the checklist on a connected device. 2. Start Interactive Mode: Tick items as you proceed, add comments for site-specific notes, and attach photos of tags, setups, and gauges. Record loads (kN), displacements (mm), and hold times directly into the fields. 3. Evidence Capture: Upload calibration certificates, GPS location, and pre/post condition photos. Use comments to flag anomalies and assign actions. The system timestamps entries for audit trails. 4. Sign-Off: Enter pass/fail status, obtain digital signatures from the technician and supervisor, and confirm next due date. Generate the report and export as PDF/Excel for distribution. 5. Archive and Verify: Link the asset with a durable QR label. Scan to verify the report authenticity and version, then store all records in your asset register for future audits.