Government program proposal

Harlan Architectural Glass, Inc. · Federal courthouse window replacement · Technical approach and compliance matrix

UNDERSTANDING OF THE REQUIREMENT

The solicitation calls for replacement of 212 window openings in an occupied federal courthouse with blast-resistant aluminum windows, without closing any courtroom during business hours. Three requirements drive the work: the windows must meet the specified blast and energy performance, the materials must comply with domestic sourcing rules, and the building must stay in use.

TECHNICAL APPROACH

Survey before fabrication. Every opening is field-measured and photographed before shop drawings are released. Historic masonry varies, and a window built to the drawing rather than to the opening is the most common cause of delay on projects of this kind.

Tested assemblies only. Each window type proposed has a completed test report for the specified hazard level. No assembly depends on a test that has yet to be run.

Night and weekend installation. Crews remove and replace windows between 6:00 p.m. and 5:00 a.m. Each opening is weathertight and secured before the crew leaves. Courtrooms are sequenced with the clerk's calendar four weeks ahead.

One point of contact. A single project manager attends the weekly coordination meeting and carries authority to resolve field conditions the same day.

SCHEDULE

Phase	Duration	Deliverable
Field survey and shop drawings	Weeks 1 to 6	Approved submittals for all window types
Fabrication	Weeks 7 to 18	Windows staged by floor and elevation
Installation	Weeks 16 to 34	Twelve to fourteen openings per week
Closeout	Weeks 35 to 36	Warranties, test reports, and maintenance manual

COMPLIANCE MATRIX

Requirement	Solicitation section	Where addressed
Blast performance at the specified hazard level	C.3.1	Technical volume, Tab 2, test reports
Thermal performance	C.3.4	Tab 2, simulation reports
Domestic sourcing certification	H.7	Tab 5, mill and supplier certificates
Work in an occupied building	C.6	Tab 3, phasing and security plan
Small business subcontracting	L.4	Tab 6, subcontracting plan
Past performance, three similar projects	L.2	Tab 4, references and contacts