

URBAN SEISMIC RISK VULNERABILITY CHART

Structural & Civil Engineering Assessment Template

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FACTOR	CLASS	VULNERABILITY INDICATORS	MITIGATION PRIORITY
Structural System	Type I	Steel frame or reinforced concrete with shear walls. Modern building codes applied.	Routine Maintenance
Soft Story	Type III	Open ground floor (parking/retail) with discontinuous stiffness. High collapse risk.	Immediate Retrofit
Soil Composition	Class D	Stiff soil or soft rock. Potential for moderate ground motion amplification.	Site Monitoring
Pounding Potential	Critical	Insufficient gap between adjacent buildings of varying heights.	Structural Separation
Non-Structural	Type II	Unanchored heavy equipment, suspended ceilings, or heavy masonry cladding.	Secondary Anchoring

Inspector Name:

Date of Inspection:

District/Zone:

GPS Coordinates:

* This chart is a template for preliminary assessment only. Technical seismic retrofitting requires deep geological surveys and structural engineering simulation.