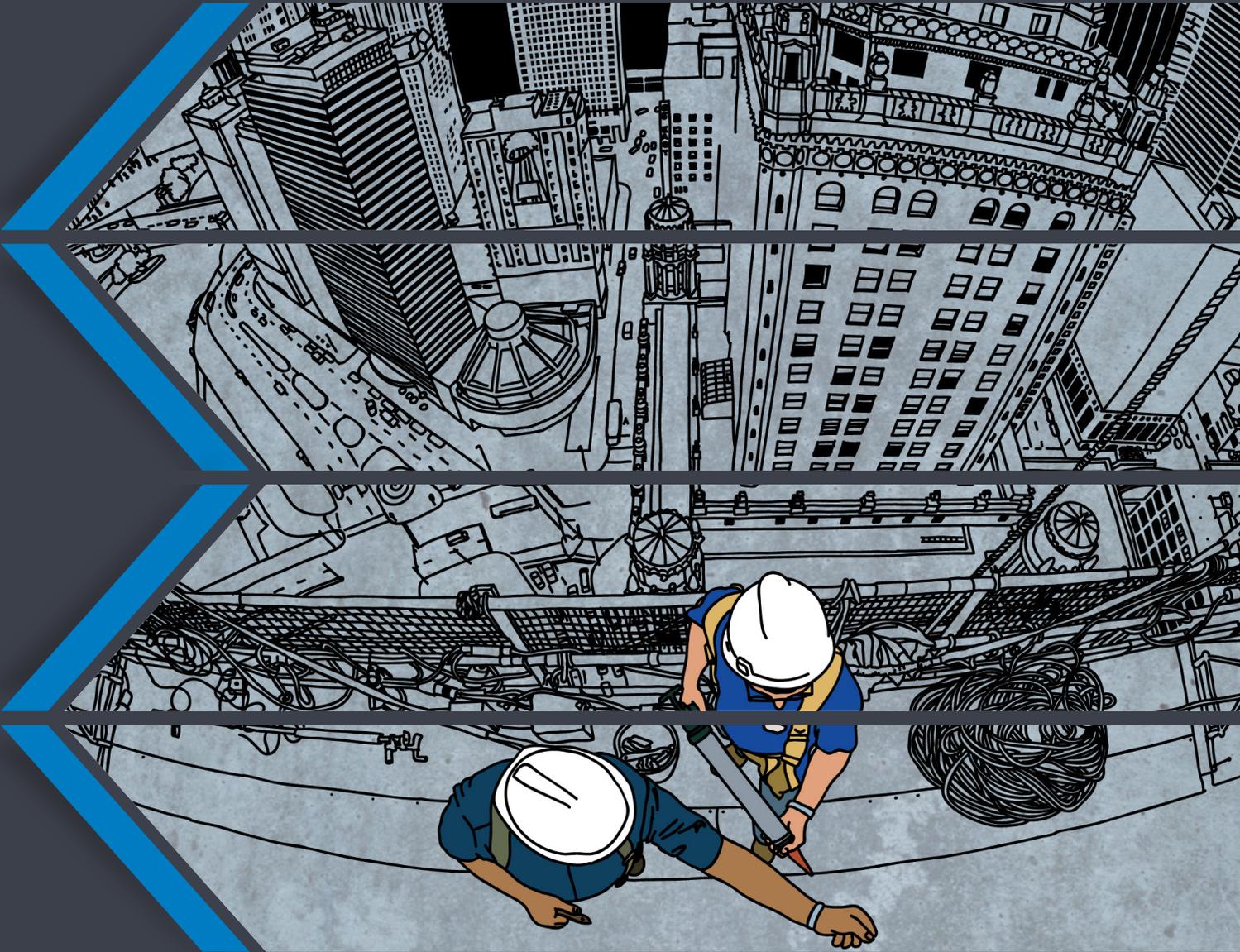


BUILDING ENVELOPE AND PARKING GARAGE RESTORATION GUIDE



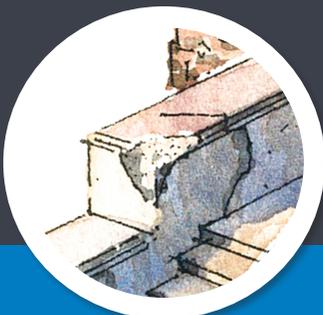
Spot potential problems before they become major (and expensive) repairs



www.WesternSpecialtyContractors.com

MASONRY EXTERIORS

Preserving and Protecting



1. CRACKED & SPALLED
STONE



2. SPALLING BRICK



3. CRACKED/DAMAGED
CORNICE



4. EFFLORESCENCE

Because they are sometimes massive in size and constructed of tough materials, masonry buildings can appear invincible. In truth, the facades that give these structures character are under attack at all times. Age, moisture, airborne pollutants, movement and deferred maintenance all contribute to the deterioration process. Left uncorrected, resulting problems can become far more than "skin deep."

Masonry distress takes many forms, including cracks, loose units, flaking, efflorescence and spalling. Each of these conditions indicates the building's masonry exterior may be failing, and calls for expert repairs to prevent major damage.

MASONRY RESTORATION SERVICES

- Brick & Stone Repair/Replacement
- Repointing
- Building Cleaning
- Caulking & Sealant Installation
- Wall Coating Application
- Expansion Joint Systems Repair
- Wall Ties, Structural Steel Repair/Replacement
- Flashing Systems

Contact your local office of the Western Specialty Contractors for assistance with your masonry building.



5. SAWTOOTH CRACKING



6. CRACKED/OPEN COPING STONE



7. BIOLOGICAL GROWTH



8. PONDING CONDITIONS

CONCRETE RESTORATION

Adding Life to Hard-Working Structures



1. BIOLOGICAL STAINS



2. PONDING
CONDITIONS



3. BROKEN PAVERS/
TOPPING SLAB



4. DAMAGED
STAIRWAYS

8



7

Concrete has been called the backbone of modern construction - economical, durable and readily available. However, concrete is not indestructible. Time, water and weather take their toll on its surface and diminish its strength. Protecting concrete from the elements - and restoring it properly when damage does occur - is critical to preserve the functionality of buildings, balconies and plaza decks.

Concrete is like a hard, porous sponge. Moisture, chloride ions, pollutants and other harsh chemicals can easily penetrate surfaces left unprotected and unsealed. Once this occurs, the stage is set for more serious damage to follow. Causes of existing problems must be determined accurately before corrective steps can be taken.

CONCRETE RESTORATION SERVICES

- Waterproofing Membrane Installation
- Paver/Topping Slab Repair/Installation
- Concrete Repair/Replacement
- Structural Repairs
- Epoxy Injection
- Expansion Joint Installation/Replacement
- Caulking & Sealant Installation
- Chemical Grout Injection
- Interior Waterproofing Systems
- Shotcrete (Spray Applied Concrete)

Contact your local office of the Western Specialty Contractors for assistance with your concrete issues.



5. RUSTED RAILINGS



6. STAINING



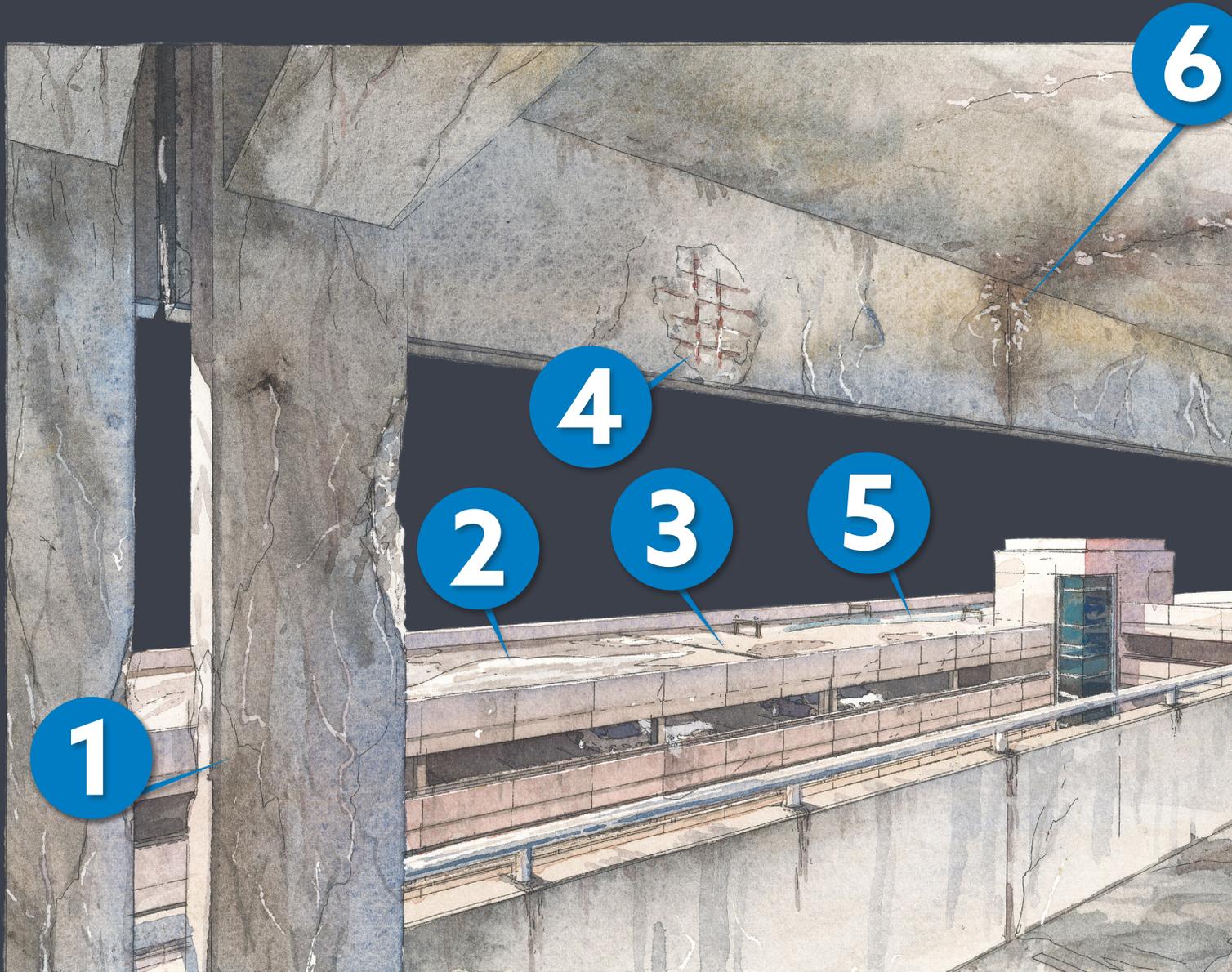
7. DELAMINATED COATING



8. EXTERIOR CRACKING

PARKING GARAGES

Preserving Functionality & Usage



1. CRACKED CONCRETE COLUMN



2. DELAMINATED COATING



3. EXPANSION JOINT FAILURE



4. SPALLED CONCRETE & EXPOSED REBAR

Recent strides in technology have provided Western with effective new ways to extend the life of parking structures. These advances include conventional means, including better coatings and sealants, as well as all-new methods of handling challenging concrete repairs.

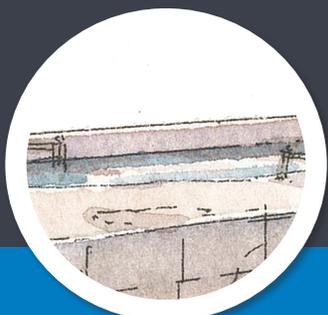
Concrete restoration includes parking garages constructed with post-tension reinforcement, a method that became very popular during the building boom of the 1960s and 1970s.



PARKING GARAGE RESTORATION SERVICES

- Concrete Repair/Replacement
- Structural Repairs
- Expansion Joint Installation/Replacement
- Clear Sealer Application
- Deck Coating Installation
- Post Tension Repair (Strand & Button-head Systems)
- Epoxy Injection
- Chemical Grout Injection
- FRP (Fiber Reinforced Polymer Systems)
- Cathodic Protection
- Shotcrete (Spray Applied Concrete)

Contact your local office of the Western Specialty Contractors for assistance with your parking garage.



5. PONDING CONDITIONS



6. SIGNS OF WATER LEAKAGE



7. FLOOR SLAB SPALL



8. CRACKED CONCRETE BEAMS

