



# CLASSIC CONSTRUCTION

& RESTORATION INC.



**Optimizing Brick Screen Walls: A Guide for Property Managers and HOA Board Members**

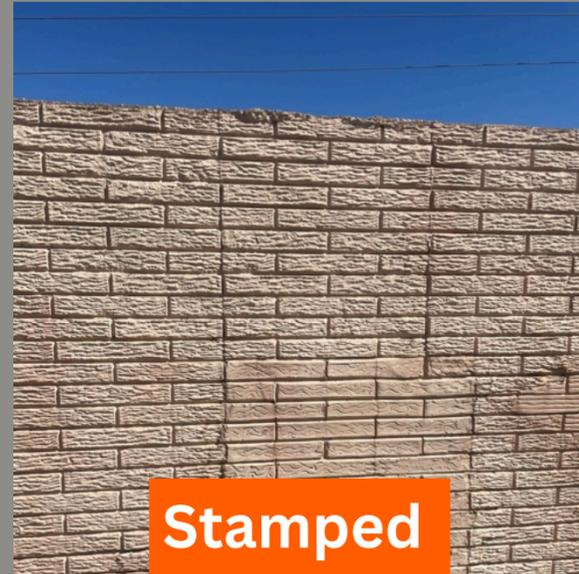
Maximizing Longevity and Performance

**Introducing Polyurethane Concrete Lifting**

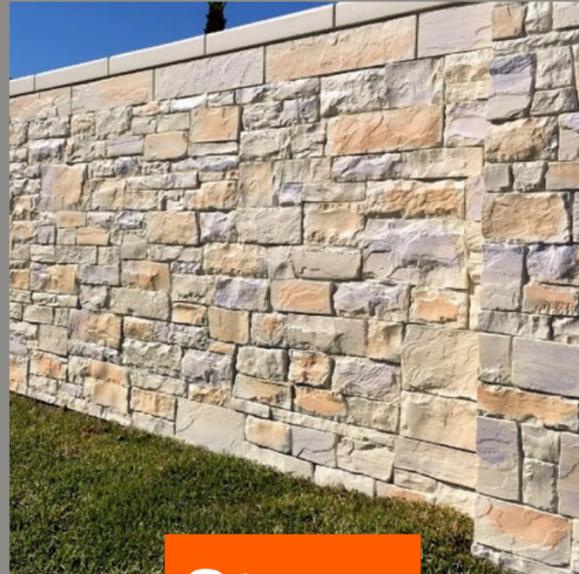
# WHAT IS A SCREEN WALL



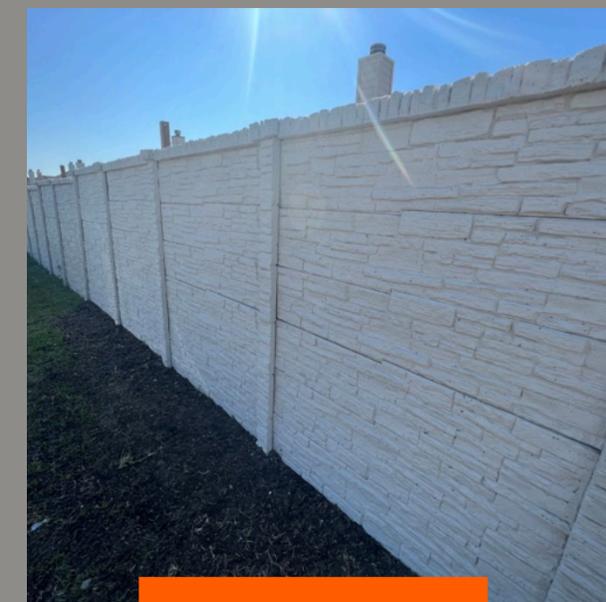
**Brick**



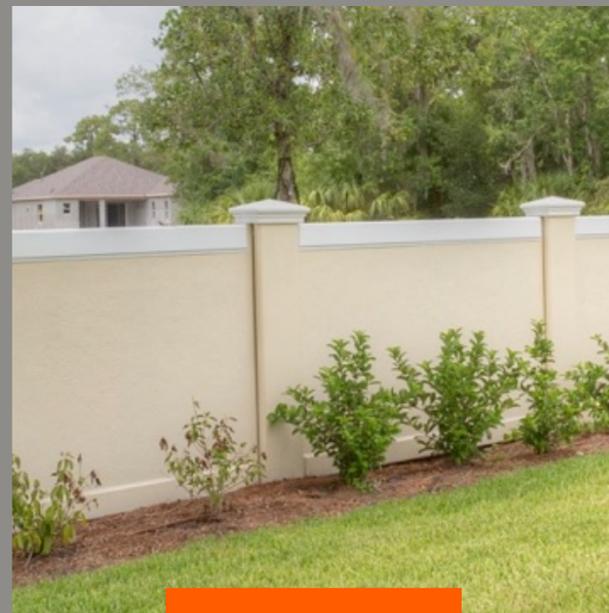
**Stamped  
Concrete**



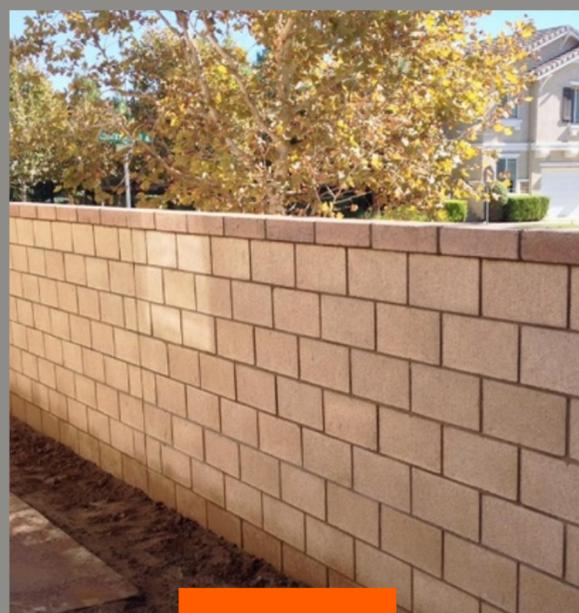
**Stone**



**Pre-cast**



**Stucco**



**CMU**

A screen wall is a non-load-bearing wall designed primarily for partitioning spaces and providing privacy

## Types of screen walls

- Pre-cast
- Stamped concrete
- Stone
- Stucco
- CMU
- Brick





# TWO MOST COMMON SCREEN WALLS



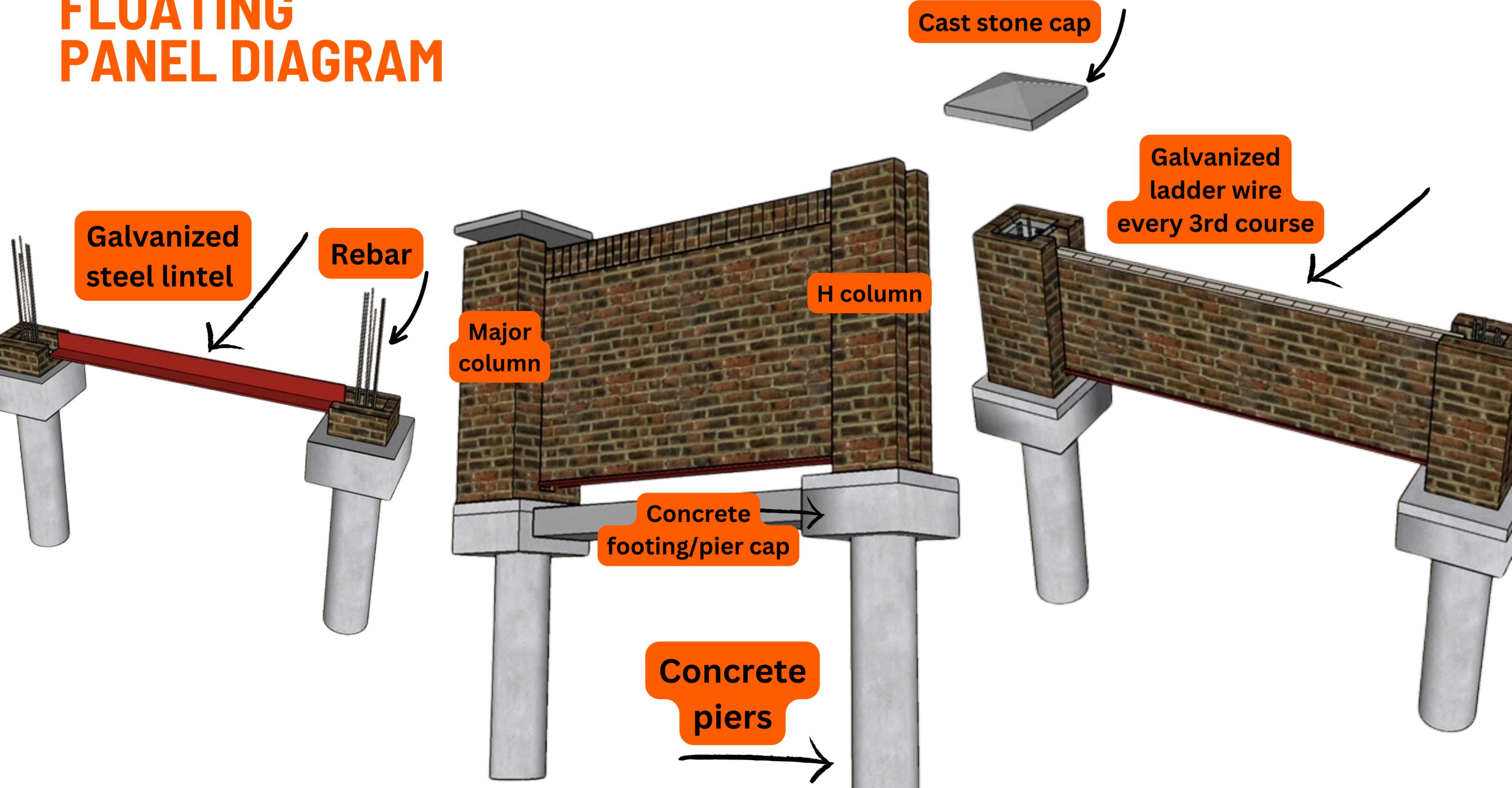
**Floating walls are elevated and supported by columns**



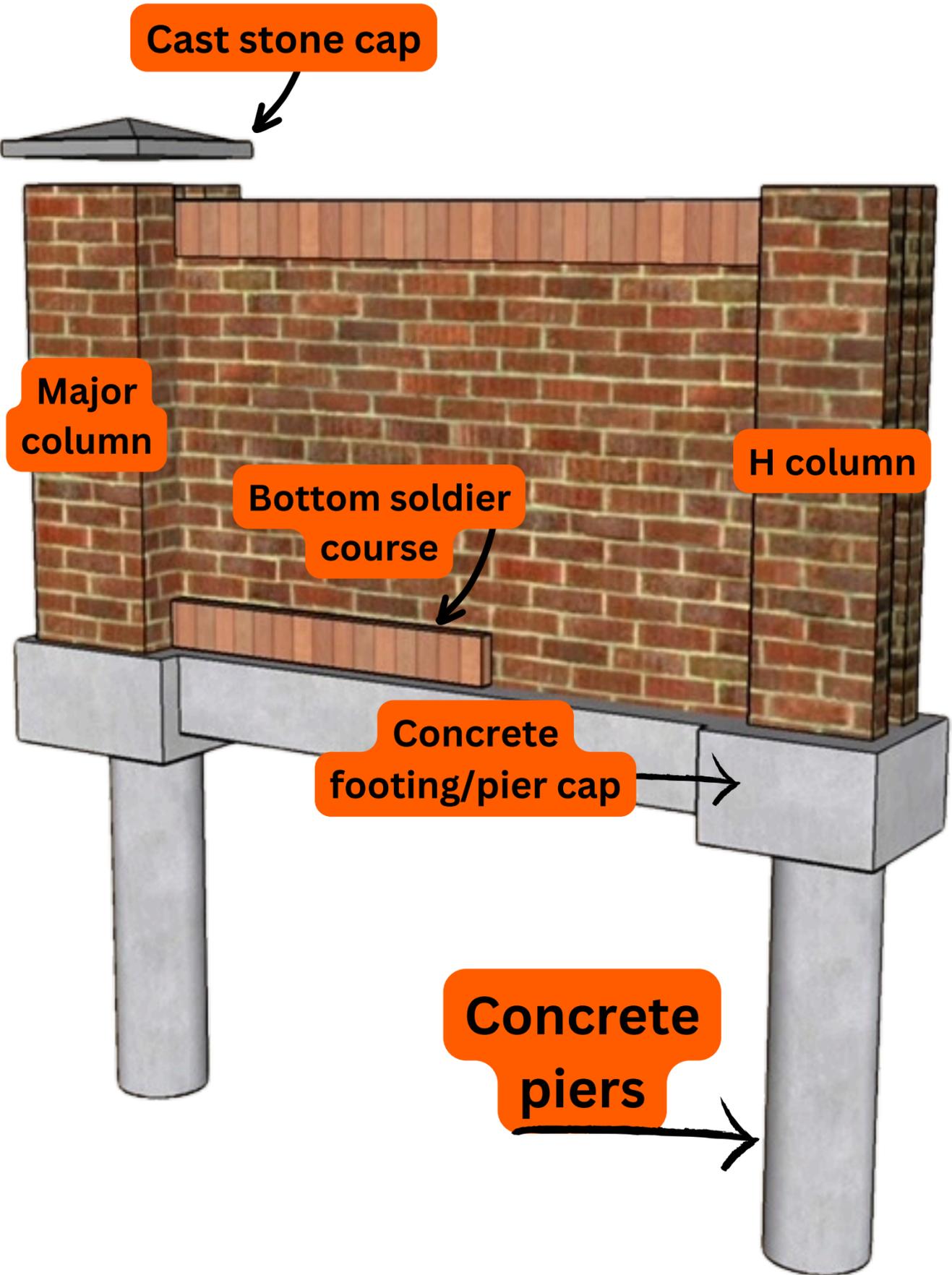
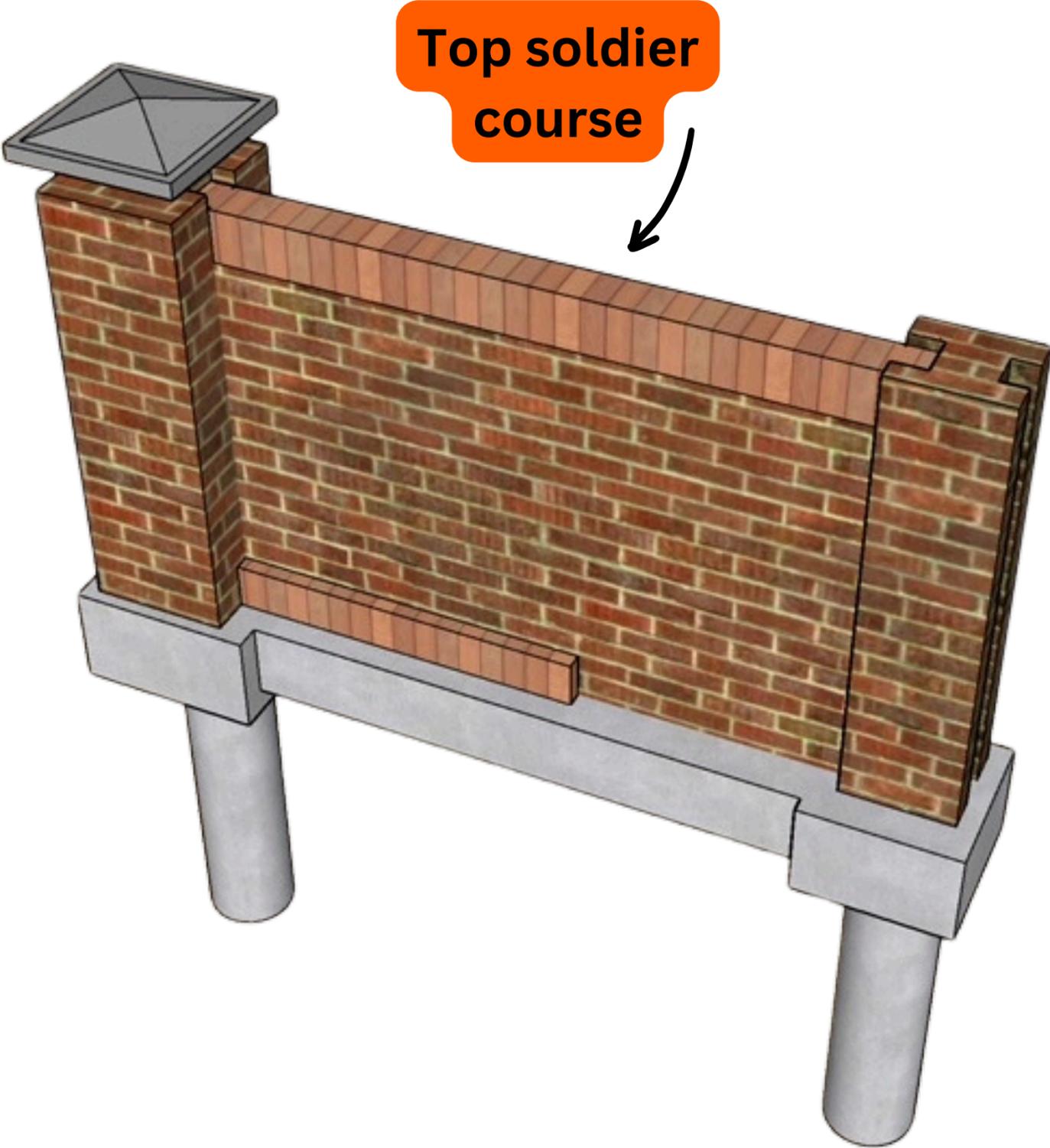
**On-Grade walls rest directly on the ground**



# FLOATING PANEL DIAGRAM



# ON GRADE DIAGRAM



# COMMON CAUSES OF FAILURE



Lack of Maintenance



Vegetation



High Area of Traffic/Car Crash



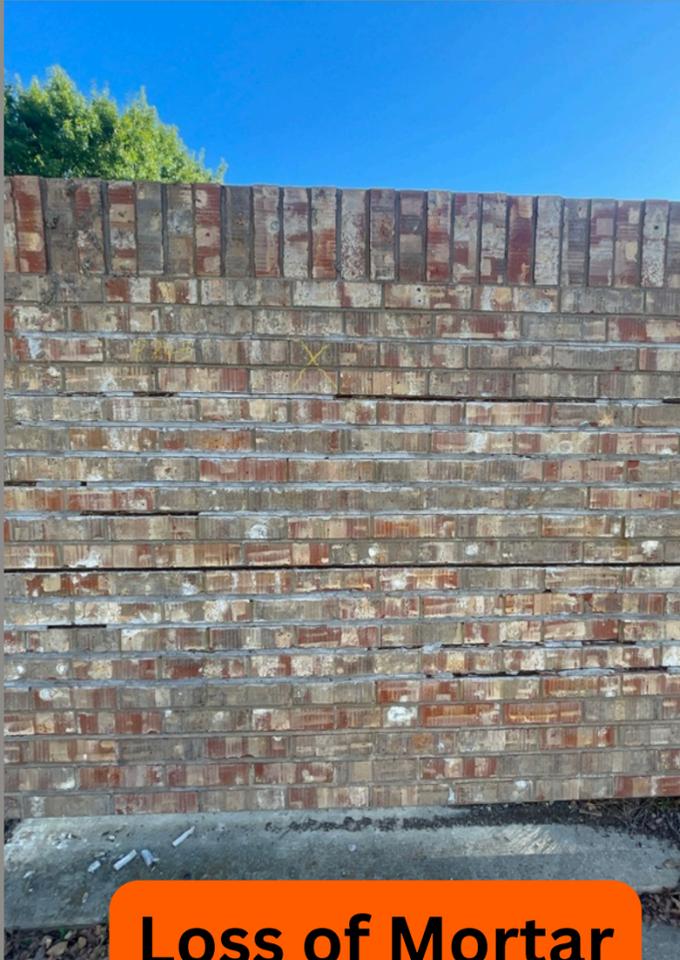
Sprinkler System

Other Causes: Pollution, Movement, Water

# WHEN TO CALL CLASSIC



**Popped Columns**



**Loss of Mortar**



**Cracking**



**Bulging/Bowing**

**Other: Leaning/Failing**

# MAINTENANCE TIPS



Inspections



Unclog weep holes



Eliminate vegetation



Sealant to protect wall from water damage



Protect wall from irrigation system



Repoint aging stone or brickwork

## Other

- Repair damages promptly
- Brick wall assesment



**BEFORE**



**AFTER**

# **MONUMENT SIGNS**

# WHAT IS POLY LIFTING ?

**DEFINITION: A METHOD OF CORRECTING SETTLING CONCRETE SLABS BY INJECTING HIGH-DENSITY POLYURETHANE FOAM BENEATH THEM.**

**COMPARISON: A NON-INVASIVE ALTERNATIVE TO TOTAL CONCRETE REPLACEMENT OR OLD-FASHIONED "MUDJACKING."**

**GOAL: LIFT, LEVEL, STABILIZE THE SOIL, SAVE TIME AND MONEY**





## INSTALLATION OF PORTS

**WE INSTALL THESE MECHANICAL INJECTION PORTS.**

**WE TAP THESE INTO THE HOLES TO CREATE A SEALED, AIRTIGHT CONNECTION.**

**THIS IS IMPORTANT BECAUSE IT ENSURES THAT WHEN WE INJECT THE MATERIAL, IT GOES EXACTLY WHERE IT'S SUPPOSED TO—DEEP UNDERNEATH THE SLAB—RATHER THAN LEAKING OUT ONTO YOUR DRIVEWAY.**

**IT KEEPS THE JOB SITE CLEAN AND THE PRESSURE CONTAINED.**

# INJECTION & EXPANSION

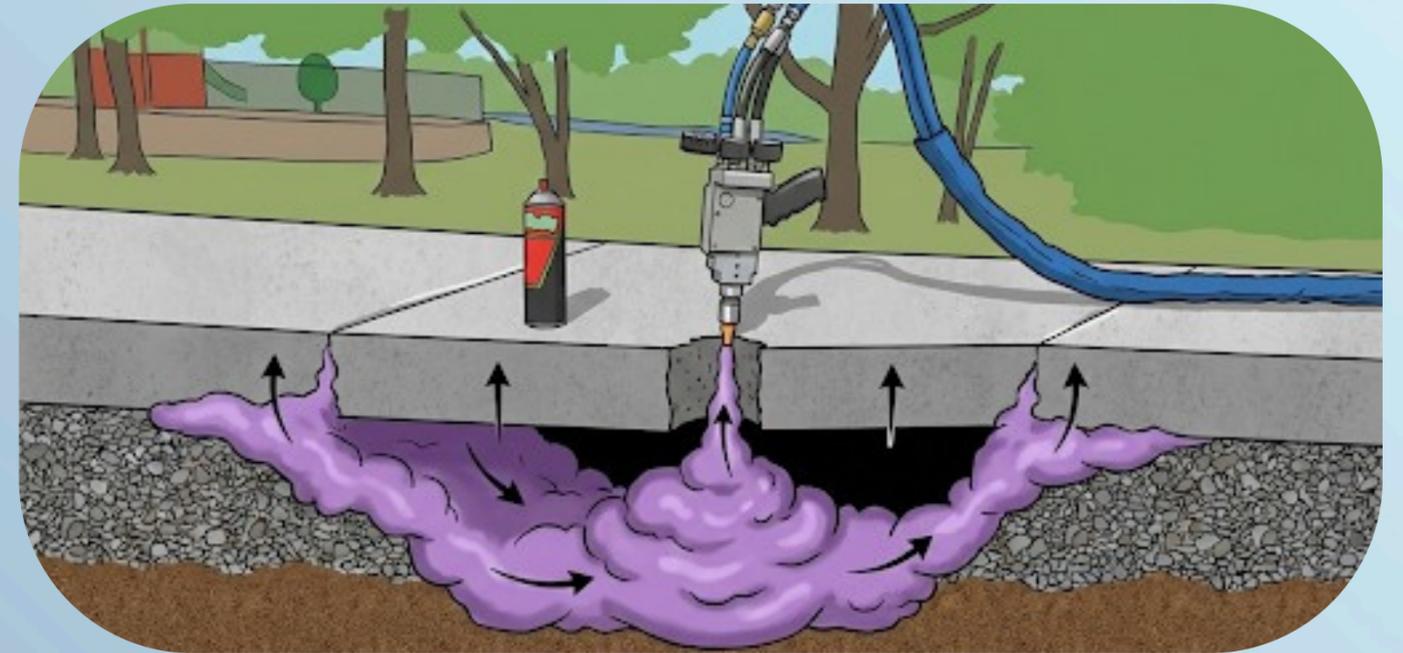
**"THIS IS WHERE THE MAGIC HAPPENS.**

**WE CONNECT OUR INJECTION GUN TO THE PORT.  
TWO LIQUIDS MIX AT THE TIP OF THE GUN AND ARE  
INJECTED INTO THE SOIL. WITHIN SECONDS, A CHEMICAL  
REACTION HAPPENS.**

**THAT LIQUID TURNS INTO A HIGH-DENSITY FOAM AND  
EXPANDS 15 TO 25 TIMES ITS SIZE.**

**FIRST, IT FLOWS INTO THE EMPTY VOIDS.**

**THEN, IT COMPACTS THE WEAK SOIL. FINALLY, ONCE THE  
GROUND IS SOLID, THAT EXPANSION FORCE PUSHES THE  
CONCRETE SLAB RIGHT BACK UP TO LEVEL."**



# PATCHING & COMPLETION

**ONCE THE SLAB IS LEVEL, WE PULL THE PORTS AND PATCH THE SMALL HOLES WITH A CEMENT MIXTURE THAT MATCHES YOUR EXISTING CONCRETE.**

**THE BEST PART?**

**THERE IS NO DRYING TIME. BECAUSE THE FOAM CURES IN MINUTES, YOU CAN WALK ON THIS SIDEWALK OR DRIVE YOUR CAR INTO THE GARAGE ABOUT 15 MINUTES AFTER WE LEAVE. YOU DON'T HAVE TO PARK ON THE STREET FOR A WEEK.**

