



Precision Wall Systems
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Stone Lippage Adjustment Techniques

With Gridworx, the installer can easily set the Plumb and Straightness of a wall by using our [Adjustable Subframe System](#). Even if the substrate wall is considerably out of plumb, the Gridworx system provides an unparalleled level of flexibility to the installer.

Once the subframe is set for plumb and straightness, the horizontal channels are then attached to the subframe to create the level and straight support lines for the installation of the stone panels.

Please note the importance of using quality fabricators that can provide stone panels that are cut to your specific tolerances. This will greatly reduce any amount of necessary adjustments as well as increase installation productivity on the wall. The greatest challenge for the field crews is out of tolerance stones, never a lack of adjustability within the system.

Once a panel is installed, there are several methods or techniques that can be used in order to fine tune the position of a panel and help prevent lippage from panel to panel.

Adjustability within the [Kerf](#) of the panel itself (In-and-Out Adjustment). The Kerf is typically 3/16" - 1/4" and the width of the support channel "lip" is 1/8" which allows for some "play" within the kerf of the panel. The installer can easily push in or pull out the panel in order to position accordingly. A small shim can be placed in front of the lip or behind it depending upon the direction the stone needs to go. The silicone within the kerfs cure, keeping the panel in place.

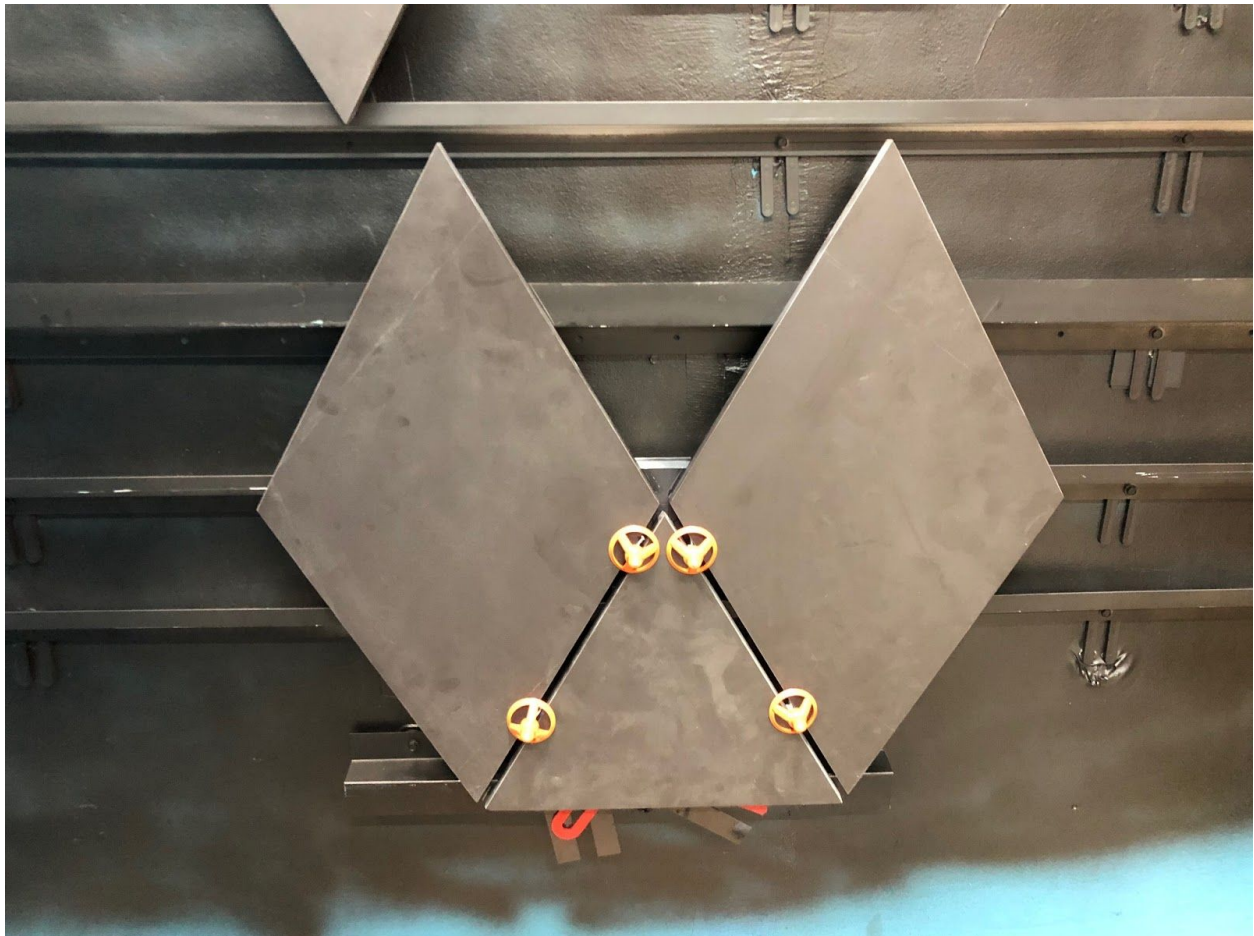
Add or Remove Shims when using the Gridworx [Mechanical Kerf System](#). Natural stone panels have an allowable thickness tolerance of +/- 1/8". To account for this variance Gridworx recommends using calipers to measure the panel thickness adjacent to where the undercut anchor is located. By allowing for a shim tolerance that takes into account the worst case +1/8" thickness, 1/32" horseshoe shims can be added between the mechanical kerf and back face of stone at each of the (4) undercut anchor locations. This method creates a uniform thickness for all panels.



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Lippage tools can be used in conjunction with the methods mentioned above. Similar in concept to tile leveling tools, lippage tools are a (2) part device. Part (1) is a T shaped threaded rod that fits within the joint between two panels. Part (2) is a cone shaped device with a threaded punch that engages with Part (1), and rotates until pressure is uniformly applied to the surface of the two adjacent panels. By taking advantage of the additional play within the saw kerf, this pressure aligns the two panels into the same plane. Once the silicone within the kerf has cured, the lippage tool can be removed and reused as necessary.

Lippage Tools used to secure panels within the same plane while silicone dries



For more information please feel free to contact us at <https://gridworxwalls.com/>