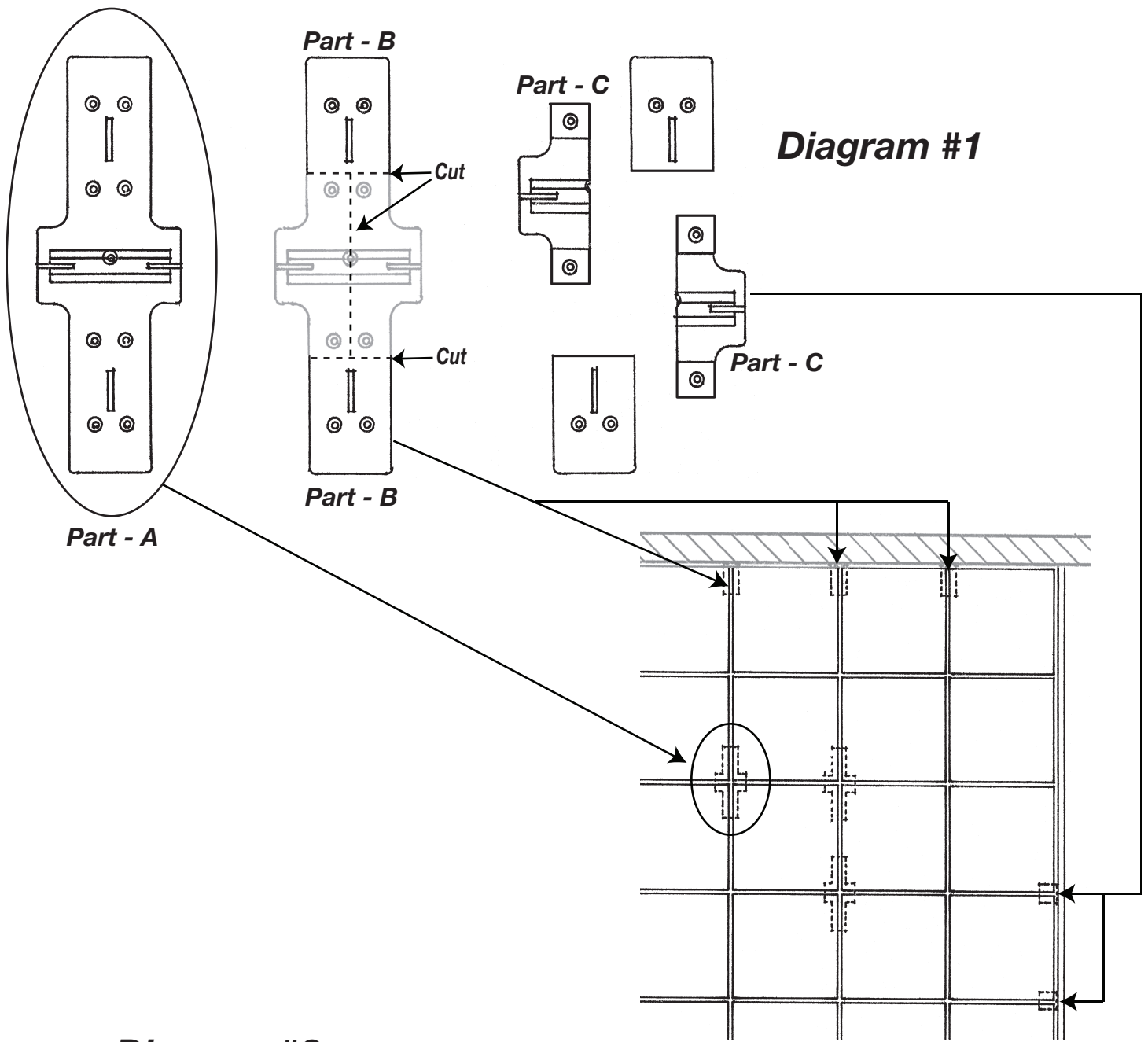


## Installation of Stonedek with Joist Plate

- LAYOUT** - When installing Stonedek, first spend a little time considering layout possibilities. Make sure the deck is framed 16" on center. Staggered solid blocking is necessary if the joist span is greater than seven feet. Solid blocking should be installed at 4 to 5 foot interval spacing. Check the deck frame for squareness, plane down any crowns and shim where joist sags are unavoidable.  
Typically one would place the first row of Stonedek down on the outside edge and work back towards the house. This will assure a full tile at the outside edge and eliminate a cut. There are, however, many deck configurations that may result in starting in the middle or at the house.
- STARTING** -Familiarize yourself with the joist plate and the Stonedek panel and how they fit together. We are able to do three different functions with the joist plate by making field cuts. You will need to have a cutoff saw to accomplish the cuts necessary in the next procedure. To start, take part "B" (see cut diagram 1 on back) and place on the joist in the center of the deck. Screw part "B" down to the joist. \*NOTE\* If screws on both sides of joist plate don't cover the joist below it is offset too far and will need to have a 2x4" sister joist installed underneath it to provide the proper support.(see diagram2)
- EDGES** - When installing along the edge, if the flying spline doesn't engage with the groove on the Stonedek panel or there isn't a spline on that piece apply an exterior construction adhesive on the surface of the joist plate to secure the Stonedek panel to the joist plate.
- STRINGLINE** - It is important to run string lines in both directions of the deck to insure a straight line and proper Stonedek placement. The joist plate has built in spacing tabs that are designed to give the minimum spacing required. Additional spacing may be necessary to achieve proper 16" on center spacing.
- SUBSEQUENT ROWS** - Once the first row is installed the second row of Stonedek panels can be placed. Care should be taken in handling the Stonedek panels. NOTE: The Stonedek panels are stronger in one direction than the other. The ribs on the bottom of the Stonedek panel should run from joist to joist. If the Stonedek panels are placed in this manner the groove on the two ends of the plate will engage with the flying spline on the joist plate. After placing the second row of tile a joist plate "A" can be placed underneath the Stonedek panel. Place the joist plates so that the countersunk screw hole in the center of the flying spline is exposed. Put a screw into the spline hole and into the joist below. Place two more screws, staggered in remaining exposed holes (three screws per Joist Plate). You may now place subsequent rows. ( see diagram 3)
- FINISHING** - If you have started on the outside and have worked back toward the house you may have a situation where you need to place a cut Stonedek panel. Place joist plate part "B" up close to the house. Take exterior construction adhesive and apply generously to the topside of joist plate part "B". Take the Stonedek panel and starting at about a 45-degree angle slide the panel with the grooved end into the flying spline from the previous row and slowly drop into place. Weight should be applied to the top surface of the cut Stonedek panel to make full contact with the construction adhesive.
- QUESTIONS?** - If you have additional questions please contact your Stonedek representative or contact us at 651-459-3049 or on the web at [www.Stonedek.biz](http://www.Stonedek.biz) or [www.stonedekwest.com](http://www.stonedekwest.com).



**Diagram #2**

