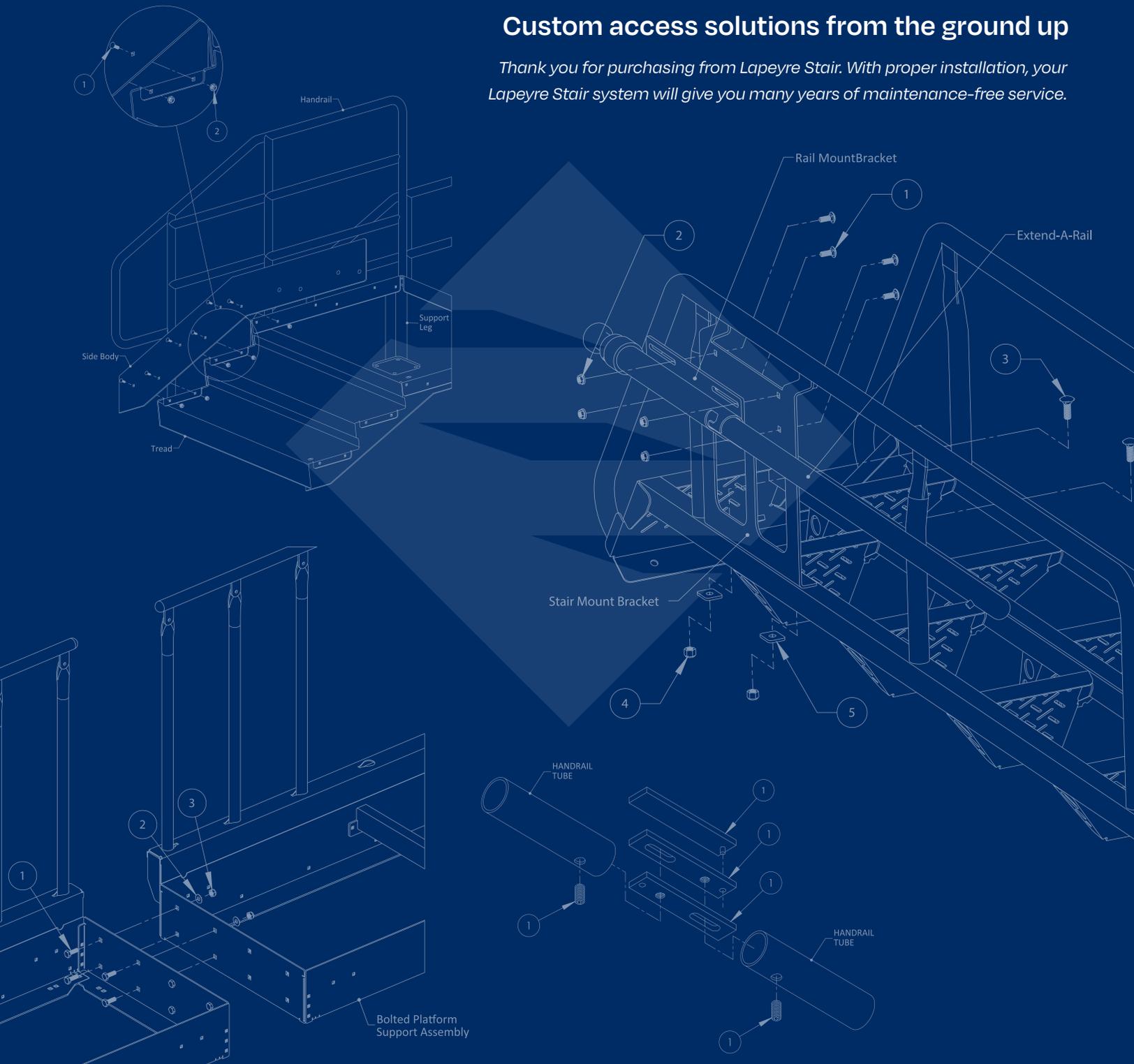


# Installation Packet

Custom access solutions from the ground up

*Thank you for purchasing from Lapeyre Stair. With proper installation, your Lapeyre Stair system will give you many years of maintenance-free service.*



## SWAY BRACING

**Lapeyre Stair, Inc.**

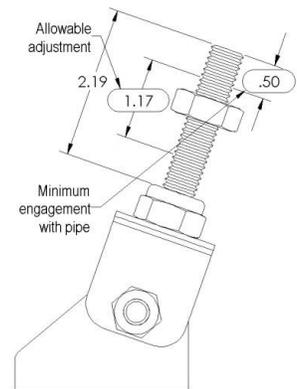
P.O. Box 50699 New Orleans, LA 70150 **Email:** [ls.sales@lapeyrestair.com](mailto:ls.sales@lapeyrestair.com)

**Phone:** 504-733-6009 **Fax:** 504-733-4393 **Toll Free:** 800-535-7631

**Lapeyre Stair** crossover bracing is a product that if used as outlined below will create a solid system that will not tip or move. As safety and customer service is our goal, we have developed this bracing to allow our customers one stop shopping for a standard product that is easy to install and effective stabilizing the **Lapeyre Crossover System**. (All anchor points must be made into a solid immovable surface such as concrete floors, etc.)

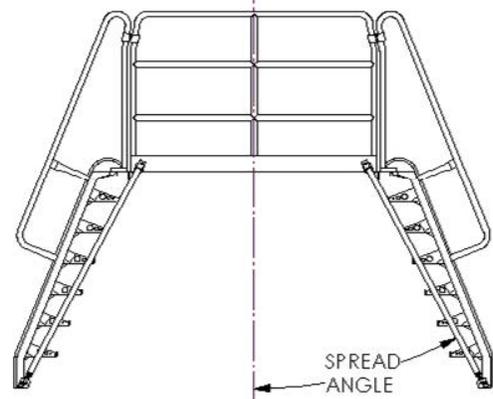
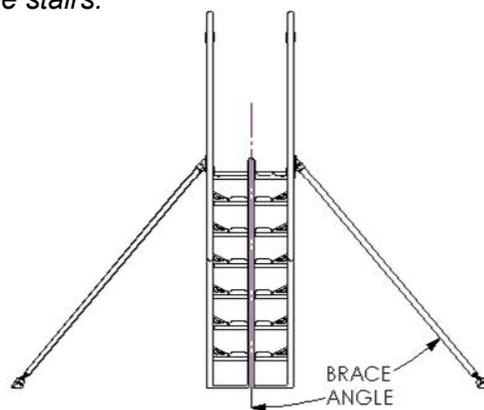
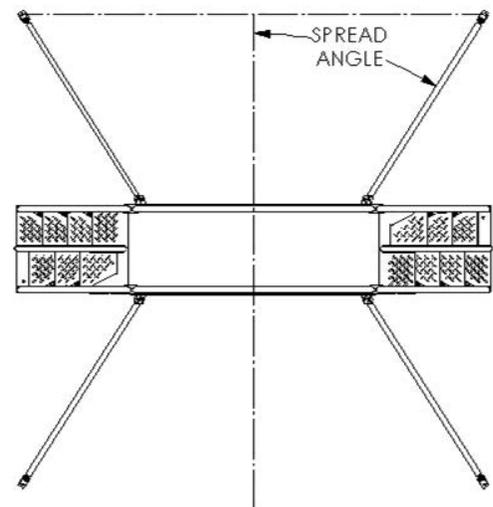
**Available Materials:**

- Hardware and connecting brackets, which make up the upper and lower connecting assemblies will be supplied in stainless steel.
- Tubing to connect the upper and lower assemblies will be supplied in the material of choice, that being, carbon steel (powder coated or galvanized), 304L stainless steel, or aluminum.
- Lower connecting assemblies (right) allow for approximately 1 inch of adjustment. This inch is to allow for inaccuracies resulting from drilling concrete floors for anchors.
- Installation time: Between 30 to 60 minutes.



**Explanation of configuration (right/below):**

- Brace Angle is the projected angle between the brace and a vertical plane aligned parallel to the direction of travel along the crossover. *Range of angle is 20° to 30° from vertical plane.*
- Spread Angle is the projected angle between the brace and a vertical plane aligned perpendicular to the direction of travel along the crossover. Increasing the Spread Angle increases the distance between the anchor points on the ground in the direction of travel along the crossover, possibly improving the clearance between the bracing and objects under the crossover. *Range of angle is from 10° to 20° for 56 degree stairs and 0° to 10° for 68 degree stairs.*



**IMPORTANT NOTE BEFORE INSTALLATION**

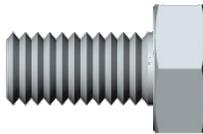
These instructions are to be used after the crossover system has been installed and anchored to the floor

**The Bracing Installation Kit contains the following**

Lower Attachment Assemblies  
(Part # LOWERBRKT)  
QTY. 4



1/2"-13 x 1" Hex Head Bolt  
QTY. 4



1/2" Stainless Flat Washer  
QTY. 8



1/2"-13 Lock Nut  
QTY. 4



\* The Floor attachment hardware is **NOT** supplied by *Lapeyre Stair*.

Length of tubing with threaded inserts on both ends  
(the Upper Attachment Assembly is connected to one end)  
QTY. 4



**Required Tools for Installation:**

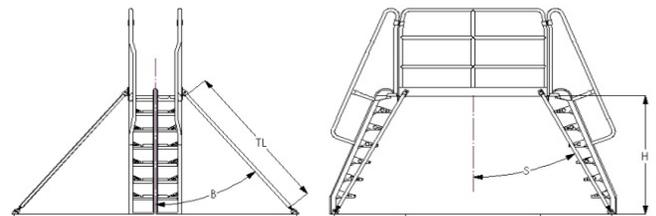
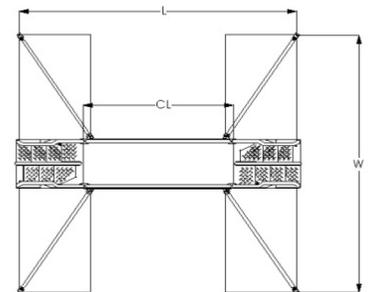
- (2) 3/4" combination wrenches or (1) combination wrench and (1) 3/4" socket with ratchet
- Angle indicator
- The Bracing Specification Sheet (*ex. right*)
- Floor anchors (not included) and associated tools for installation

**Example Specified when Ordered**

**NOTE: See Shipping Picklist**

**68° Crossover System with Bracing**

Crossover Height	(H)	82
Crossover Length	(CL)	36
Brace Angle (From Vertical)	(B)	25
Spread Angle	(S)	5.00
Bracing Width	(W)	104.57
Bracing Length	(L)	43.87
Tube Length	(TL)	86.252



**Instructions for Installation:**

**Step 1** Install the Lower Attachment Assemblies into the open ends of each pipe (Fig. 2). Thread about 3/4" but do not tighten the jam nut at this time.

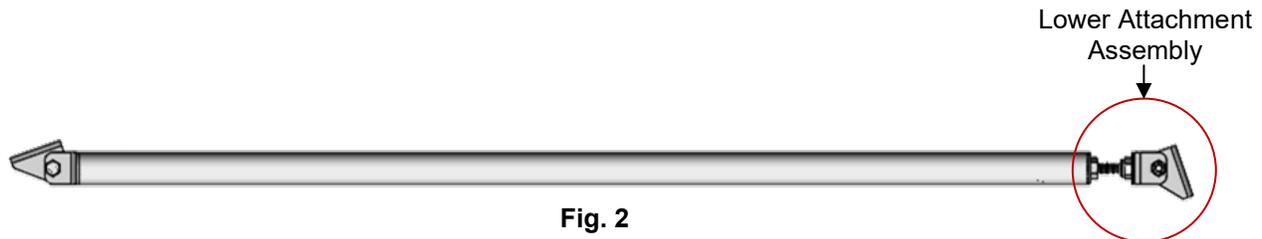


Fig. 2

**Step 2** Attach the pipe assembly to the platform kick plate (Fig. 3) using the 1/2"-13 bolt, 2 flat washers and lock nut per upper attachment. Snug the connecting bolt so that the pipe assembly is able to move with relative ease.

**Step 3** Using an angle indicator set the brace to the required angle\* (Fig. 4), when setting this angle keep the brace plane 90 degrees to the platform kick plate (a small adjustment may be made using the lower bracket assembly).

\* When using angle indicator, subtract required angle from 90 degrees, this will give the angle from horizontal.

**Step 4** If the brace spread has been specified in the order, place an angle indicator on the upper brace assembly parallel to the platform and rotate the brace until required angle is obtained (Fig. 5).



Fig. 3



Fig. 4

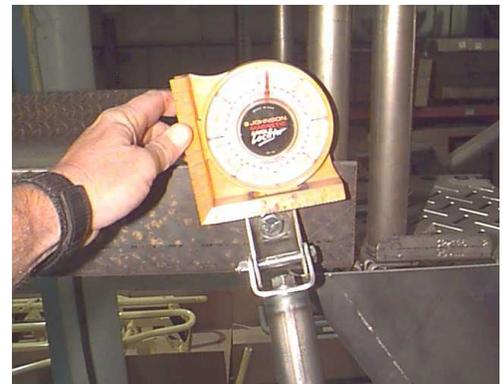


Fig. 5

**Step 5** Tighten the upper brace to the platform attachment point.

**Step 6** Ensure the bottom anchor bracket is flat on the floor and mark the point at which the anchor needs to be installed.

**Step 7** Install the floor anchor and tighten the lower anchor bracket in place.

**Step 8** Tighten the jam nut against the tube locking the assembly in place.