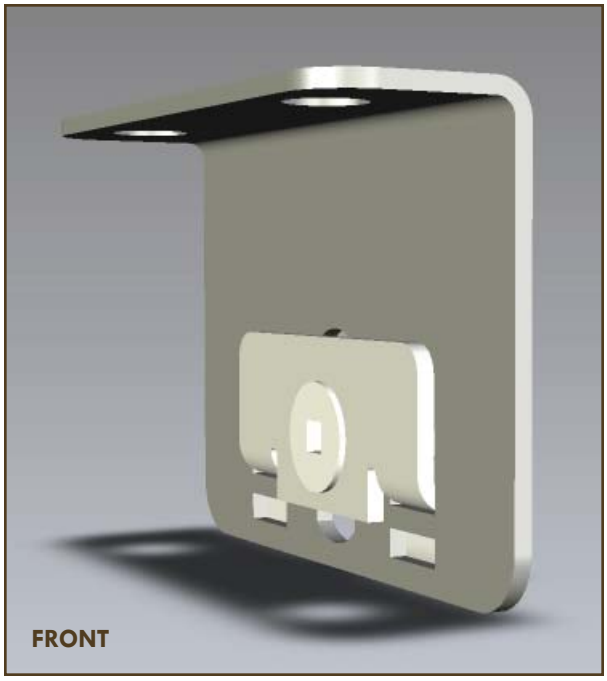

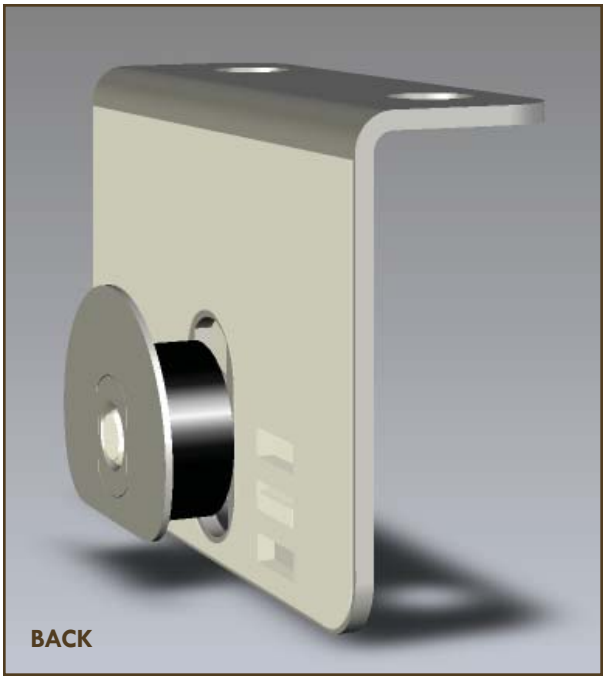

DOORS

FRAMELESS GLASS SLIDING DOOR HANGER BRACKET

FG HANGER BRACKET_INSTALL_V1-1 - 03May2011

DIRTT

1 Parts & Assemblies

Introduction

This document is a guide to proper installation of new Hanger Brackets into DIRTT Frameless Glass Sliding Doors. It includes design intent, installation rules, technical tips and expected outcomes.

All installation questions should be directed to your DIRTT Rep or a DIRTT PM, and they will guide you through this process. Contact information is on your 'DIRTT CARES' card.

Considerations

- Each Frameless Glass Sliding Door will require four Hanger Bracket Assemblies (QTY 4).
- Holes in glass and other glass details do not change.

Part Number References

DESCRIPTION	PART	DETAILS
Frameless Glass Sliding Door Hanger Bracket Assembly	**12815**	**QTY 4**
Height Adjustment Plate	12746	Replaces 12584
Hanger Bracket	12745	Replaces 69519 LH & 69520 RH
Hanger Pad	12698	Replaces 68691
Support Spacer	12750	Replaces 12578
Retainer Pad	12699	Replaces 68691
Retainer Weldment	12747	
Slim Track Roller Assembly, Frameless With Hangers	**92985**	Replaces 92717 A & B
Roller Bracket - Slim Frameless Glass Hanger Door (Various Sizes)	**92925**	Replaces 92722
Roller Bracket - Frameless Hanger 40" CL Door	**76509**	Replaces 72528
Frameless Barn Door Rear Holes for Hanger Brackets	**92976**	Replaces 72619
Flat Head Robertson Machine Screw	(STOCK)	**QTY 4;** ¼ - 20 x ½" Long; w/ Nylon Patch; Zinc Plated

2 Hanger Bracket Components

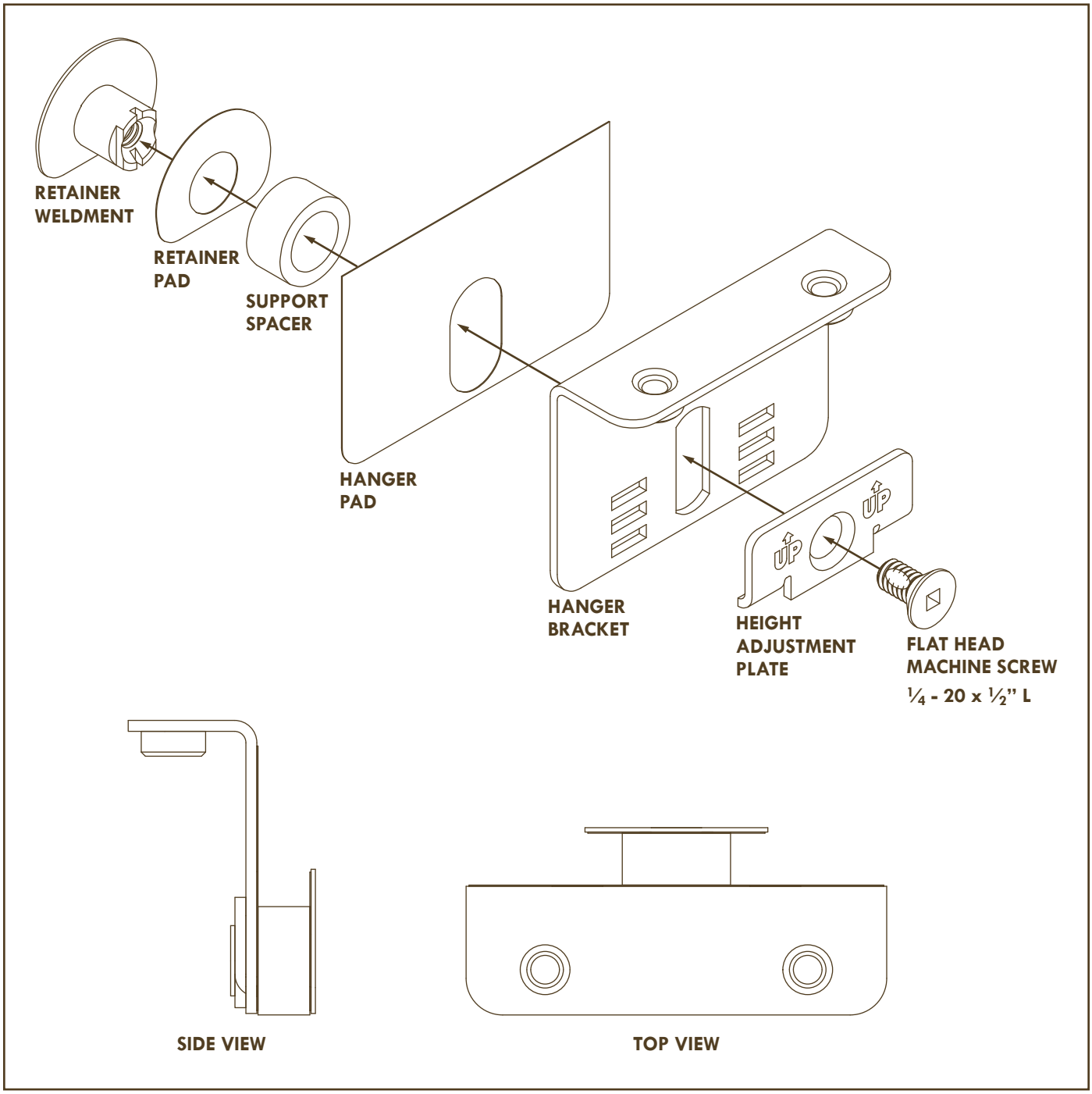

Figure 1. Hanger Brackets Assembly (12815)

3 Hanger Bracket Installation

Hanger Bracket Assembly (QTY 4) comes fully assembled within the Slim Track Roller Assembly for 40" Frameless Glass Sliding Doors. See Figure 2 below.

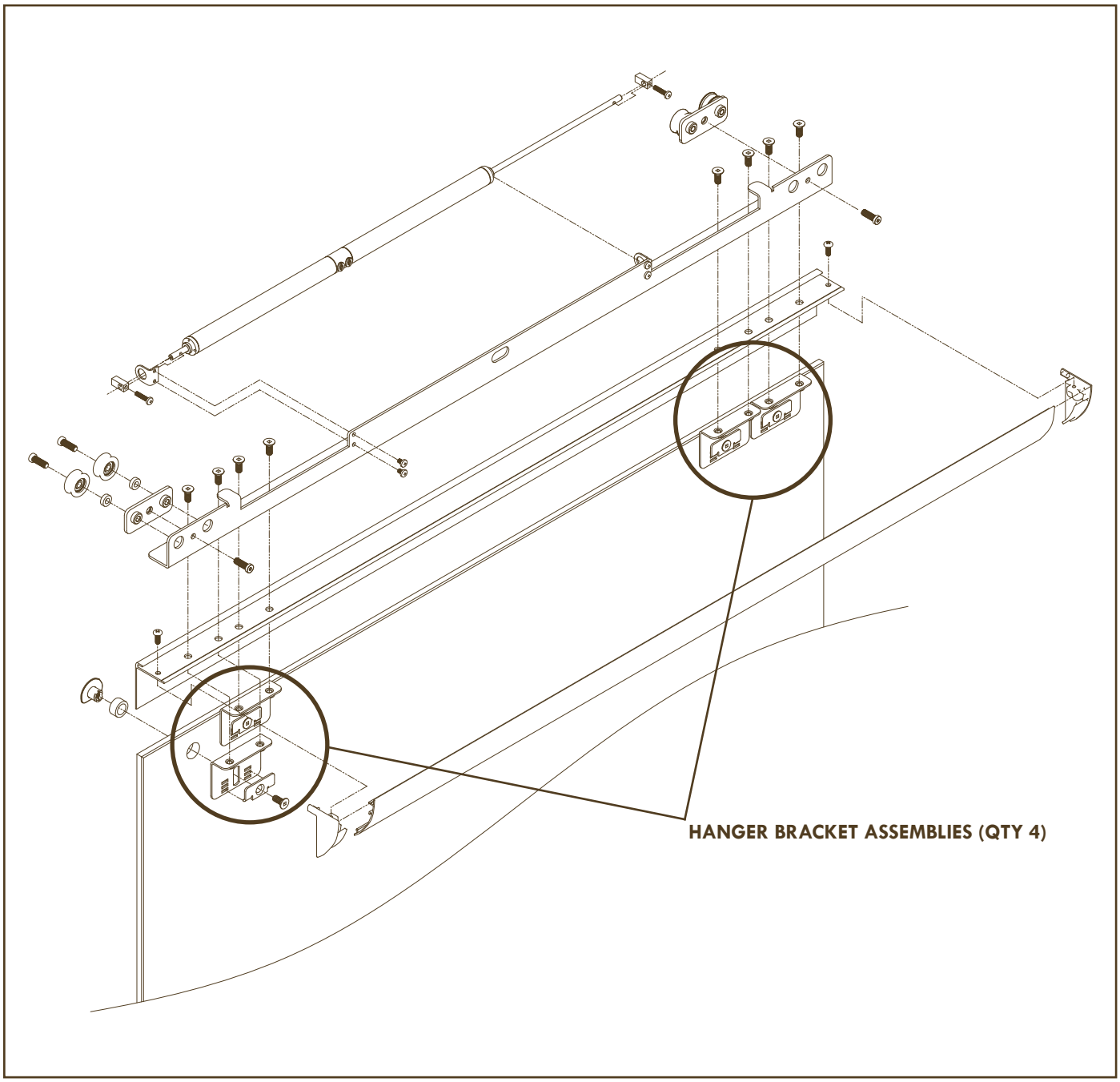

Figure 2. Slim Track Roller Assembly.

STEP 1. Remove Cover Screws (QTY 2). Remove Front Extrusion Cover with End Caps from the Slim Track Roller Assembly to get access to Hanger Bracket Assembly (QTY 4).

STEP 2. Disassemble Hanger Bracket by removing the ¼ - 20 x ½" Flat Head Robertson Machine Screw. Do this for all four (4) Hanger Bracket Assemblies. See Figure 3 below.

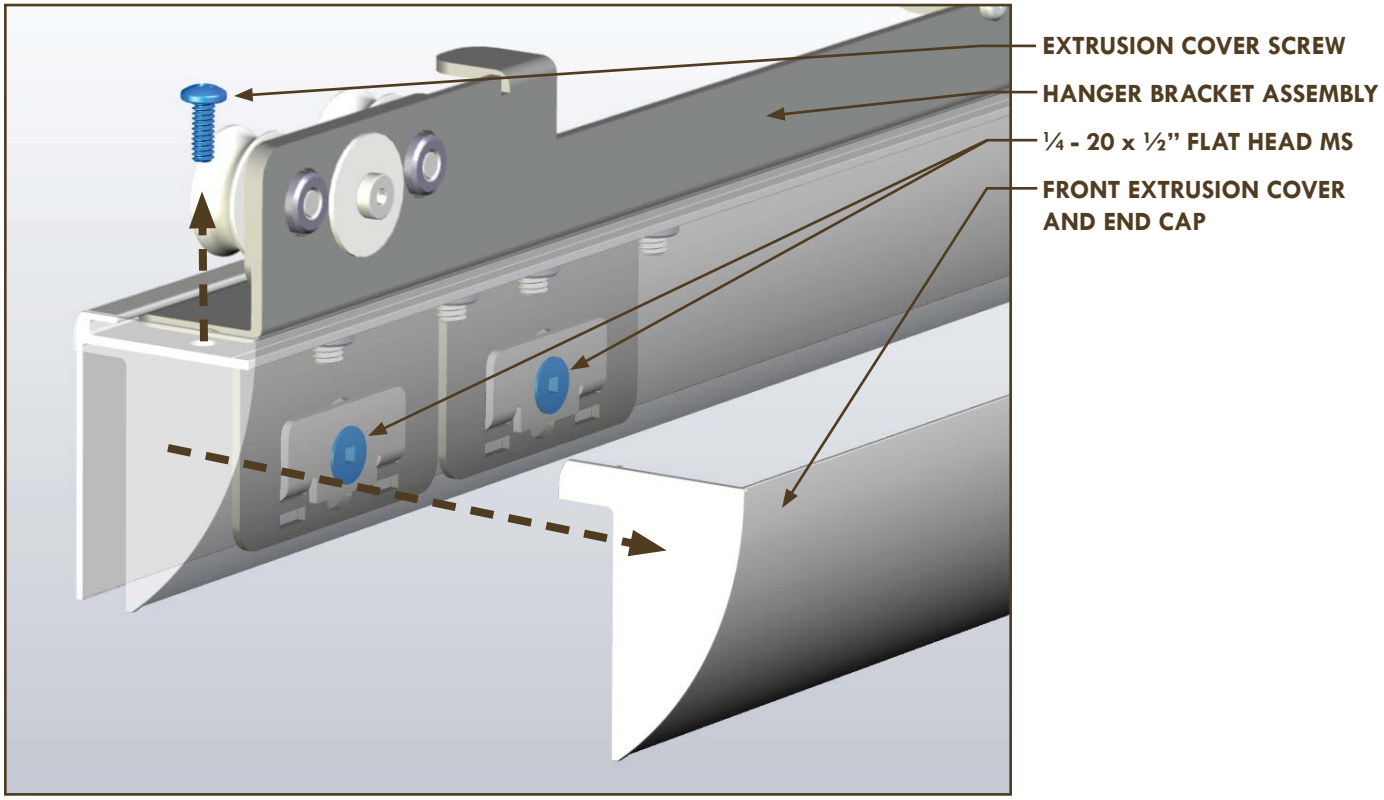

Figure 3. Remove two (2) cover screws (highlighted in blue) and Front Extrusion Cover. Remove all four (4) Flat Head Robertson Machine Screws (highlighted in blue).

STEP 3. Separate Retainer Weldment, Retainer Pad, and Support Spacers from the rest of the Hanger Bracket Assemblies. See Figure 4 below. Keep Height Adjustment Plates (QTY 4) and ¼ - 20 x ½" Flat Head Robertson Machine Screws (QTY 4) at hand as they will be needed later to fasten Glass to Hanger Bracket Assemblies.

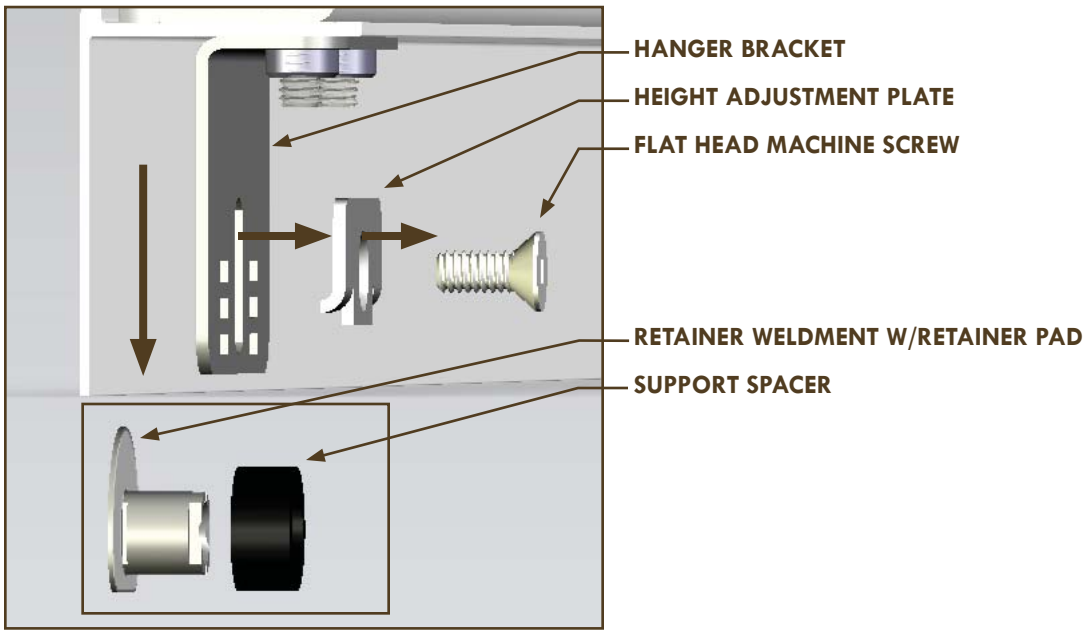

Figure 4. Hanger Bracket Assembly.

STEP 4. Insert Retainer Weldment with Retainer Pad along with Support Spacers into hole in back side of the Glass (Figures 5 & 6). Do this for all four (4) Retainer Weldments, Retainer Pad, & Support Spacers. Flanges of Retainer Weldment will face up.

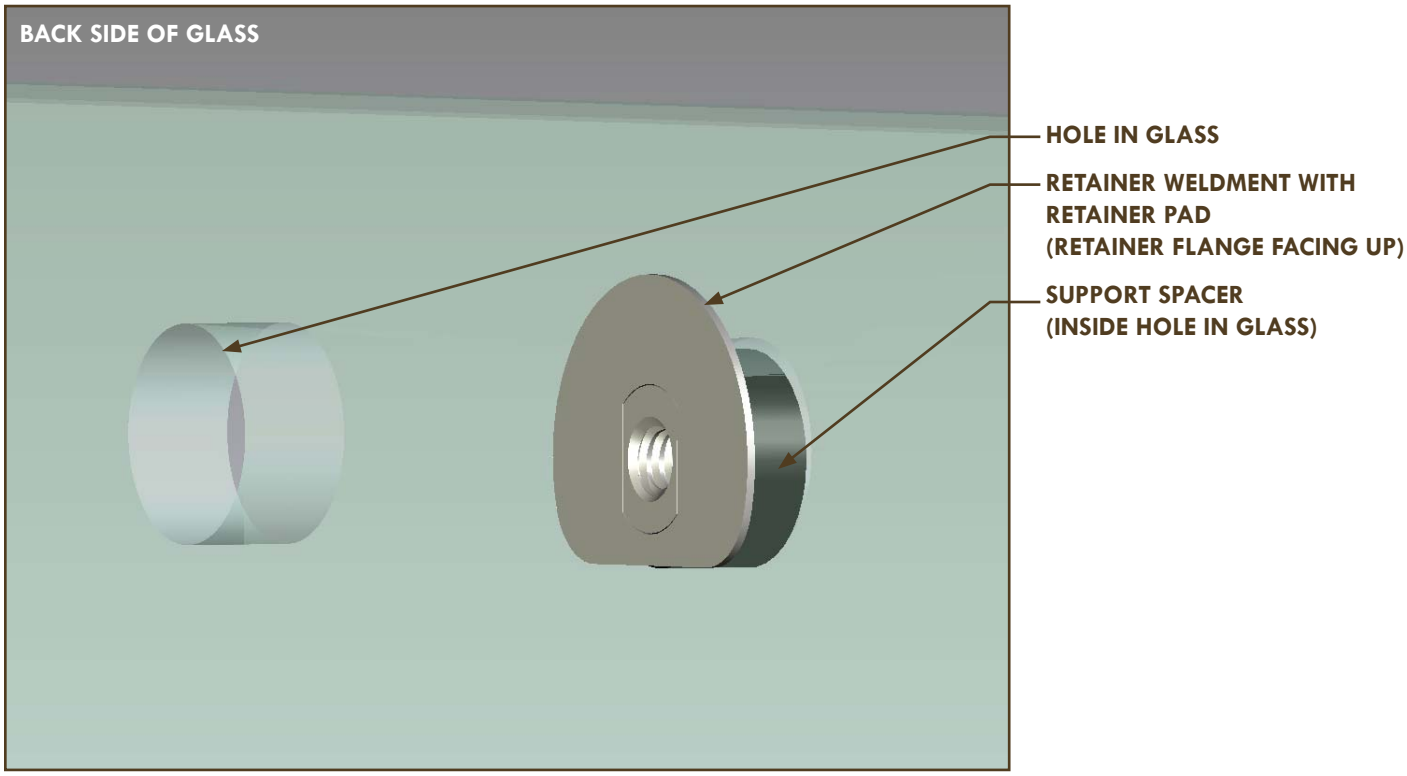

Figure 5. Retainer Weldment (Flange facing up) with Retainer Pad attached.

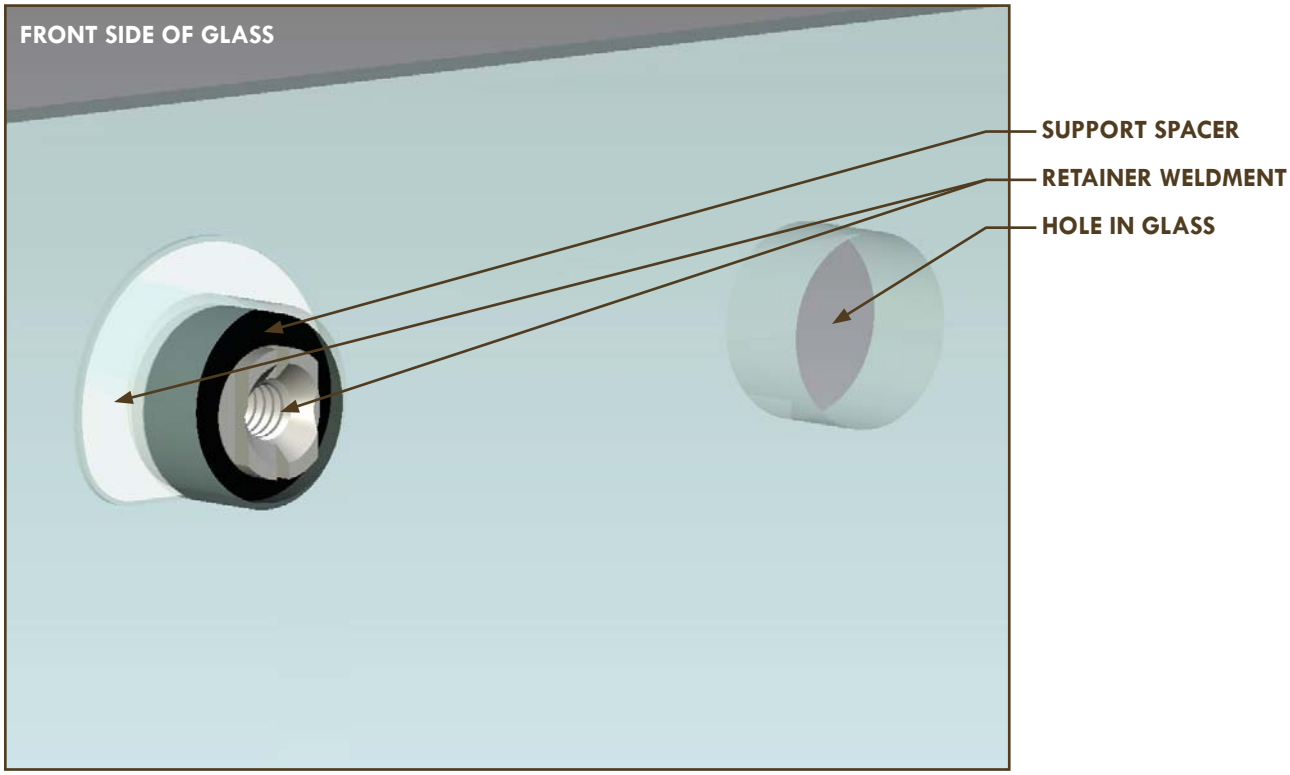

Figure 6. Support Spacer and Retainer Weldment inserted into holes of Glass.

STEP 5. With the Glass Door standing or laying on the floor if preferred, adjust the height of the Glass such that it will freely move above the guide but will still remain captured by the guide (Figure 7); about 5⁄16" (8mm) off the floor.

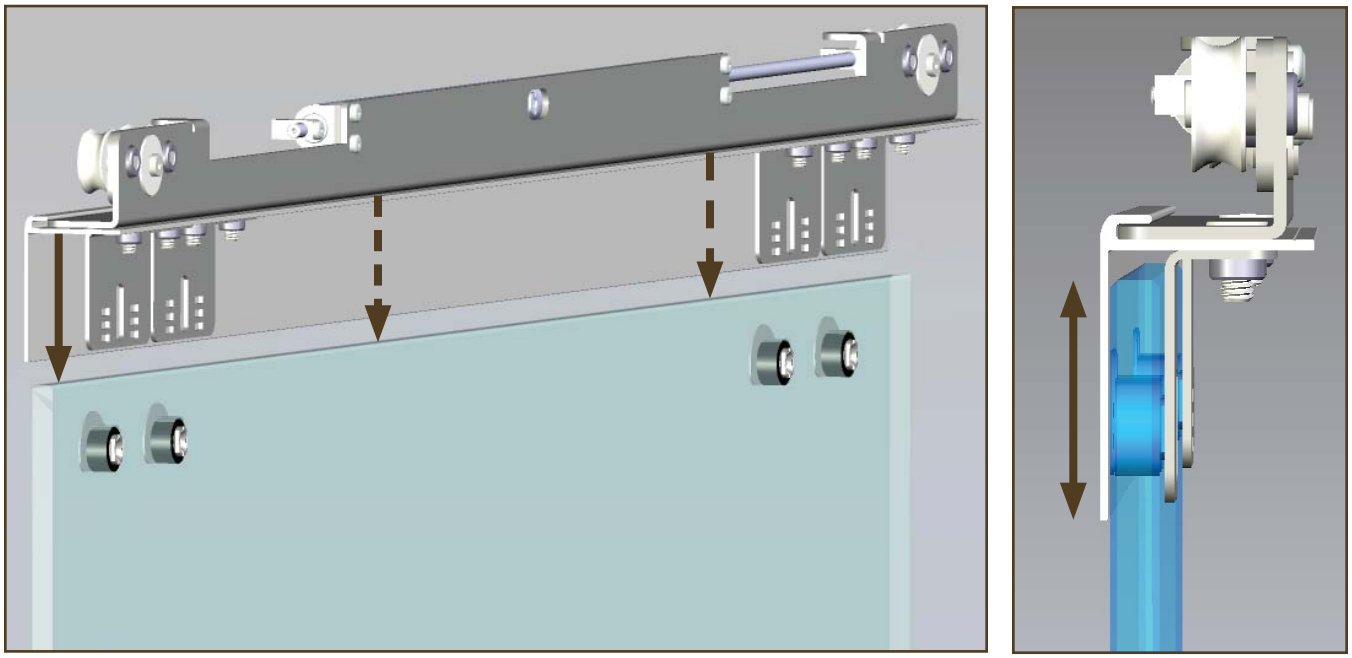

Figure 7. Slide Glass (with Retainer Weldment, Retainer Pad, and Support Spacers attached) within the Glass Hanger Assemblies.

STEP 6. Choose the nearest height setting available by selecting the closest set of slots in the Hanger Brackets. The height locking tabs of the Height Adjustment Plate should be facing down. See Figure 8 below.

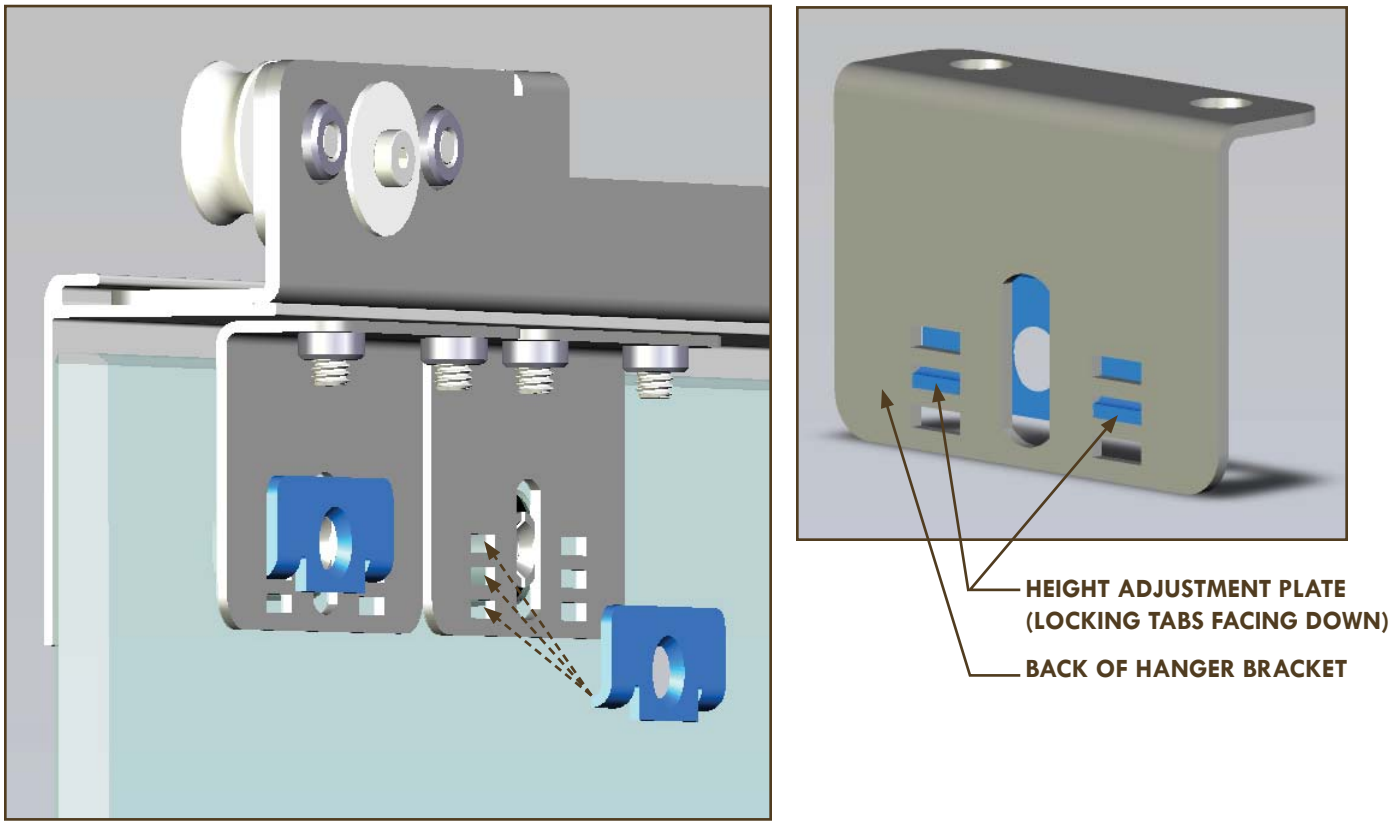

Figure 8. Height Adjustment Plate highlighted in blue.

STEP 7. Lock the Height Adjustment Plate in place with ¼ - 20 x ½" Flat Head Robertson Machine Screws (Figure 9). Do this for all four (4) Hanger Bracket Assemblies. Hang the door on the Track to confirm the height adjustment is optimal.

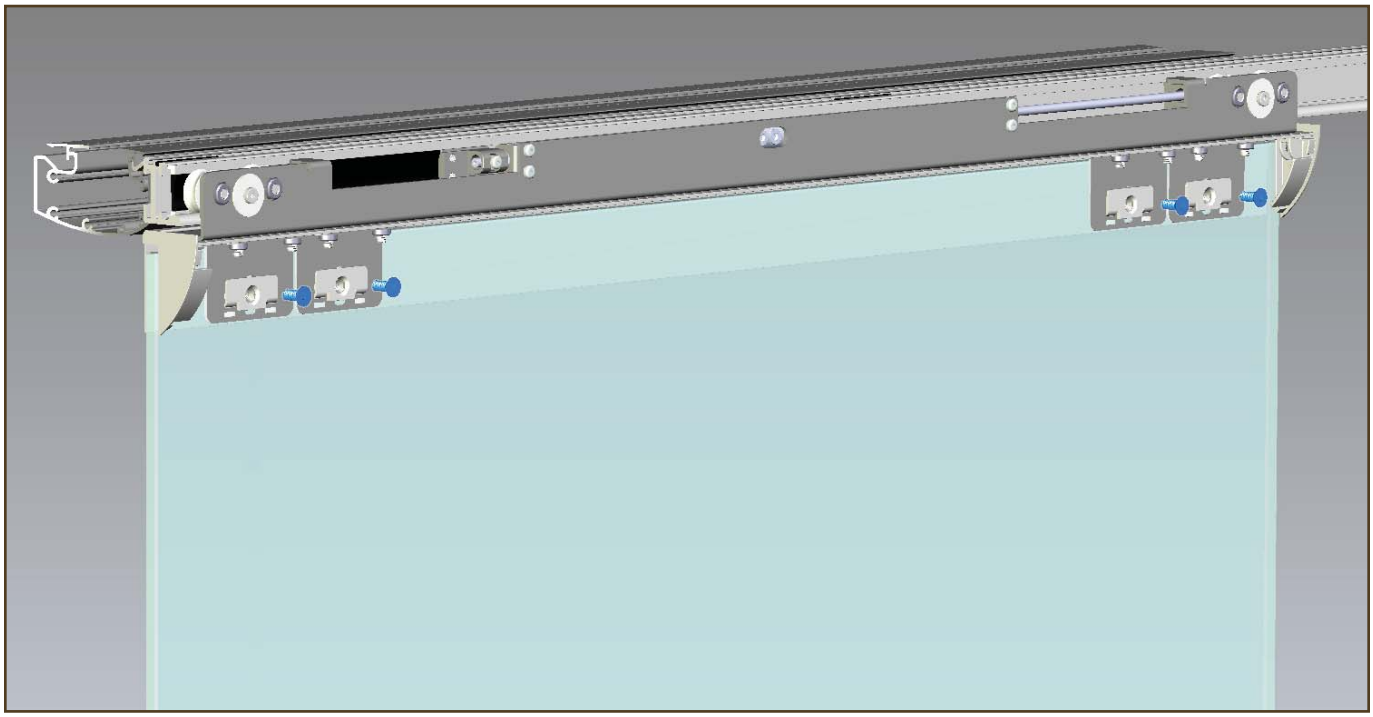

Figure 9. Fasten all four (4) Flat Head Machine Screws (highlighted in blue) to lock Height Adjustment Plates into place.

TECH**TIP**

Adjust Glass on one side; fasten only the far outside Hanger Bracket. Adjust other side of Glass; fasten only the far outside Hanger Bracket. Fasten both inside Hanger Brackets when Glass is leveled.

STEP 8. Mount the Front Extrusion cover by securing both End Caps (LH & RH). This will require lifting the door off the track if hanging.

STEP 9. Test function and mount the Track Cover.

4 Steel Roller Bracket Modification

The new Frameless Glass Hanger Bracket Assembly will require a change to the Steel Roller Bracket in the Roller Assembly of the Frameless Glass. The Steel Roller Bracket drilling pattern and bracket angle has changed to 92925, replacing 92722.

Modification of Steel Roller Bracket

It is possible to modify existing Steel Roller Bracket to fit the new Frameless Glass Hanger Bracket Assembly, by adding four (4) countersunk holes (two holes on both ends), and bending the angle to 90°. The image below (Figure 10) shows the two holes in a new position, and that the old angle was 93°, while the new angle should be 90°.

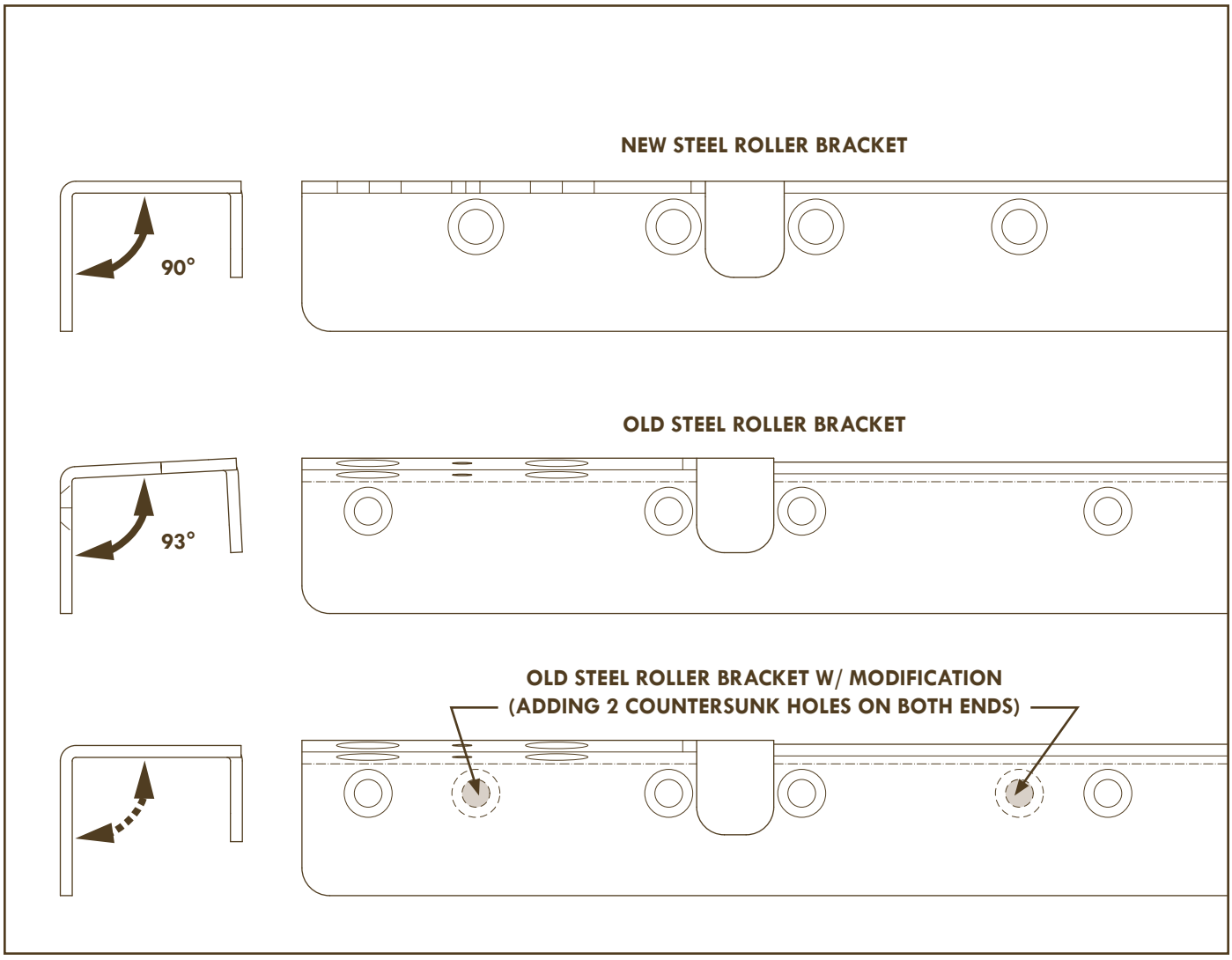

Figure 10. Modification of Steel Roller Bracket

5 Aluminum Rear Extrusion Modification

The Aluminum Rear Extrusion for the Frameless Glass Hanger Bracket Assembly will require a change. The Aluminum Rear Extrusion drilling pattern has changed to 92976, replacing 72619.

Modification of Aluminum Rear Extrusion

It is possible to modify existing Aluminum Rear Extrusion to fit the new Frameless Glass Hanger Bracket Assembly by adding four (4) countersunk holes. See Figure 11 below.

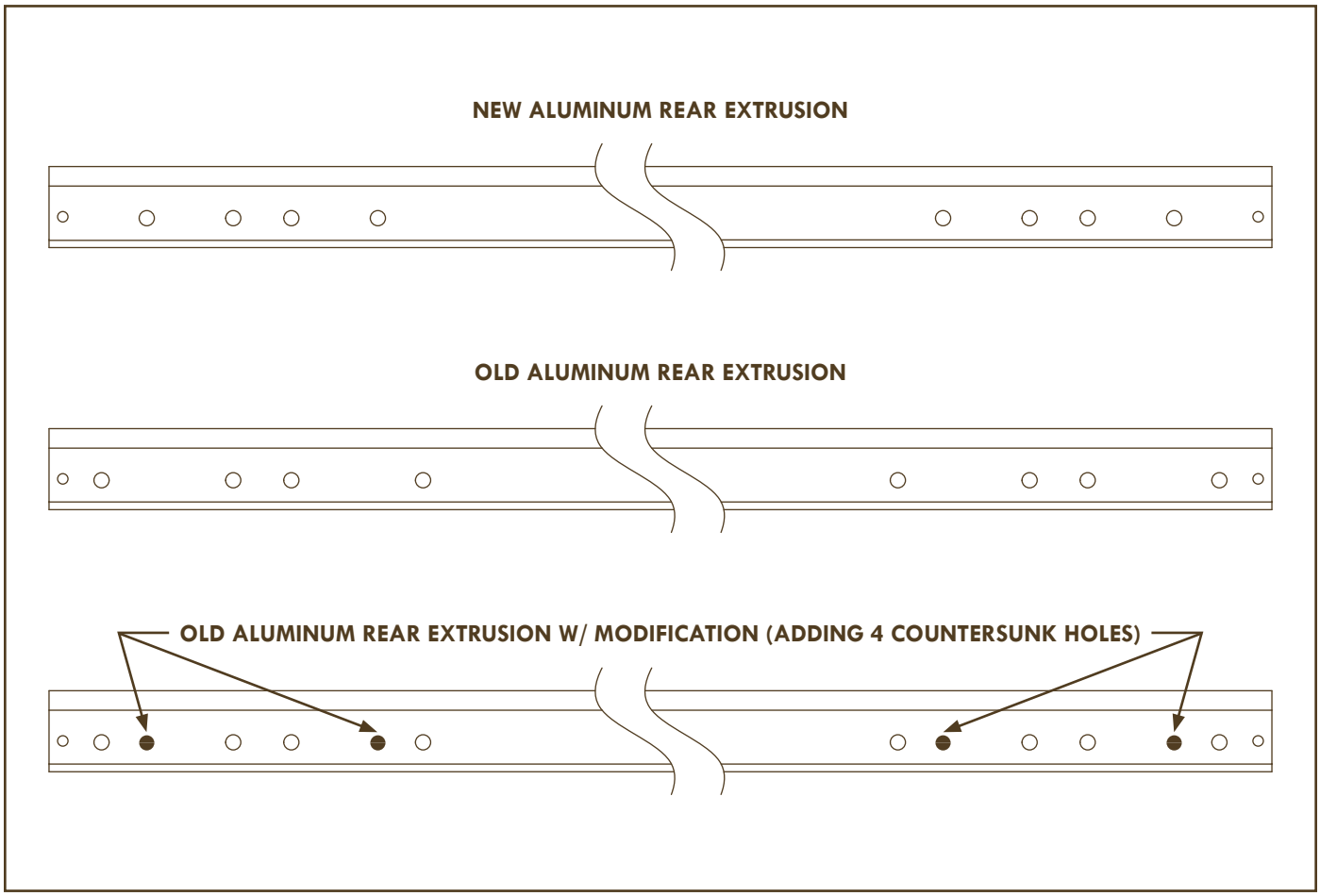

Figure 11. Modification of Aluminum Rear Extrusion