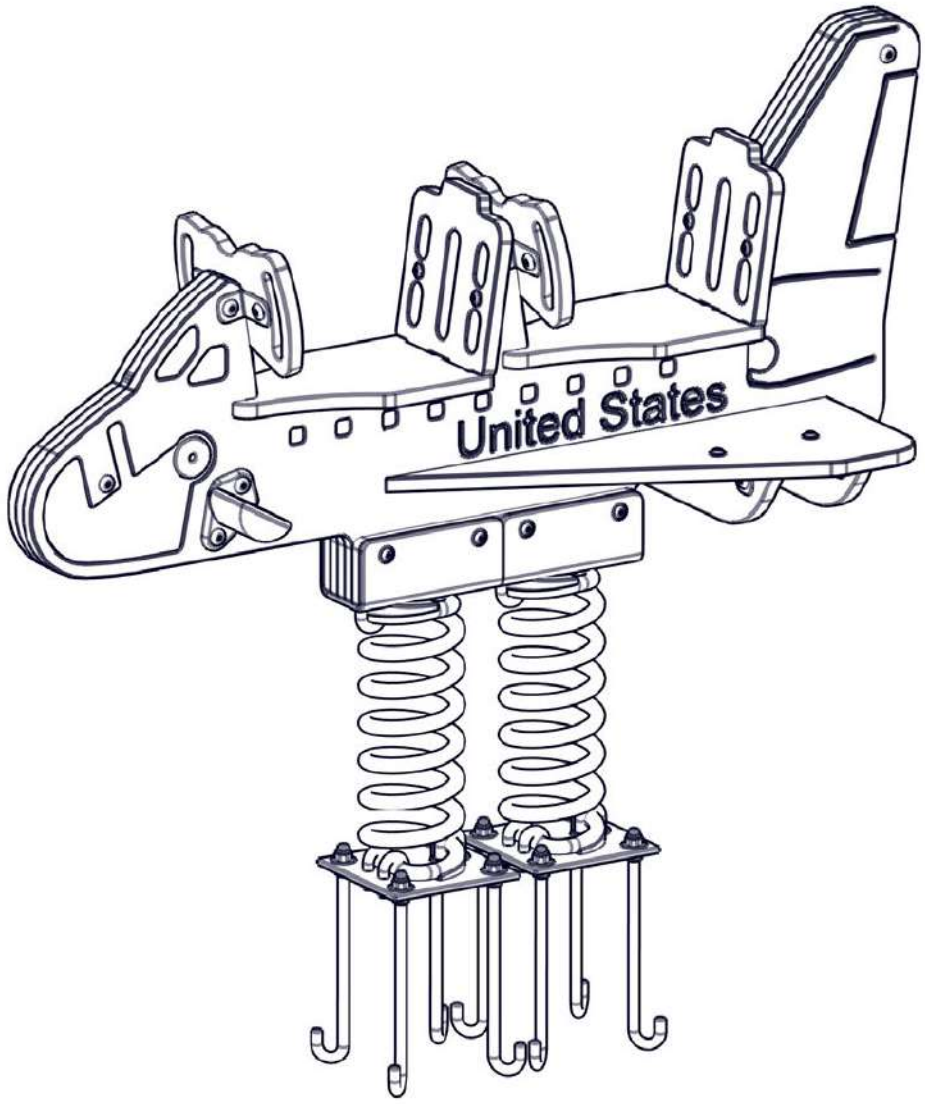
Spring Rider - Shuttle - 2 Seat - Double Spring • Model TFS0047XX

INSTALLATION GUIDELINE

USER GROUP: 2-5 Years, 5-12 Years
RECOMMENDED CREW: 1-2 People
TOOLS REQUIRED:
- TT-45 Torx, 3/4" Hex, 3/16" Allen
- Level, Square, Hammer / Mallet
- Auger / Post Hole Digger / Shovel
- Drill Bits: 5/8"
- Framing, Bracing, or Concrete Forms (Not Included)
- High Speed 3/8" Electric Drill with Clutch

NOTE: Use of any other driver may result in damage to product, tool, and/or hardware!
NOTE: Apply Thread Locking Solution to ALL Non-Patched Hardware with Threads!
INSTALLATION TIME: 2 Hours
WEIGHT: 116 lbs.
CONCRETE REQUIRED: (8.3) 80lb. bags - 5.0 ft^3
NOTE: Concrete must have a minimum rating of 2,500 psi and must be mixed per manufacturer's recommendations.



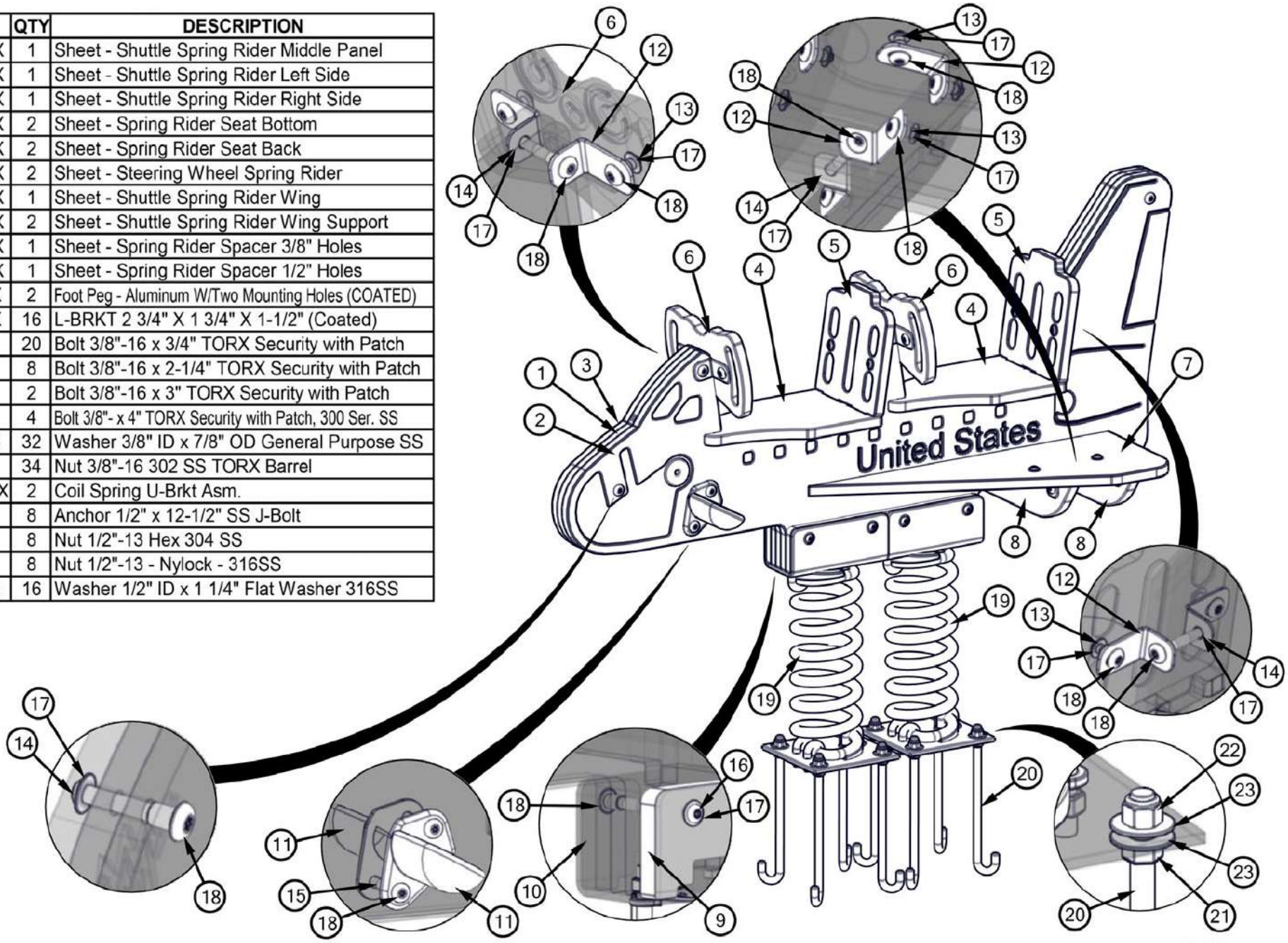
PRE-INSTALLATION CHECK:

Customer is responsible for verifying materials received by comparing received items with packing list. If any parts are missing or damaged, including documentation, contact your local sales representative immediately.

Supplier is not responsible for items discovered missing after 72 hours from time of delivery.

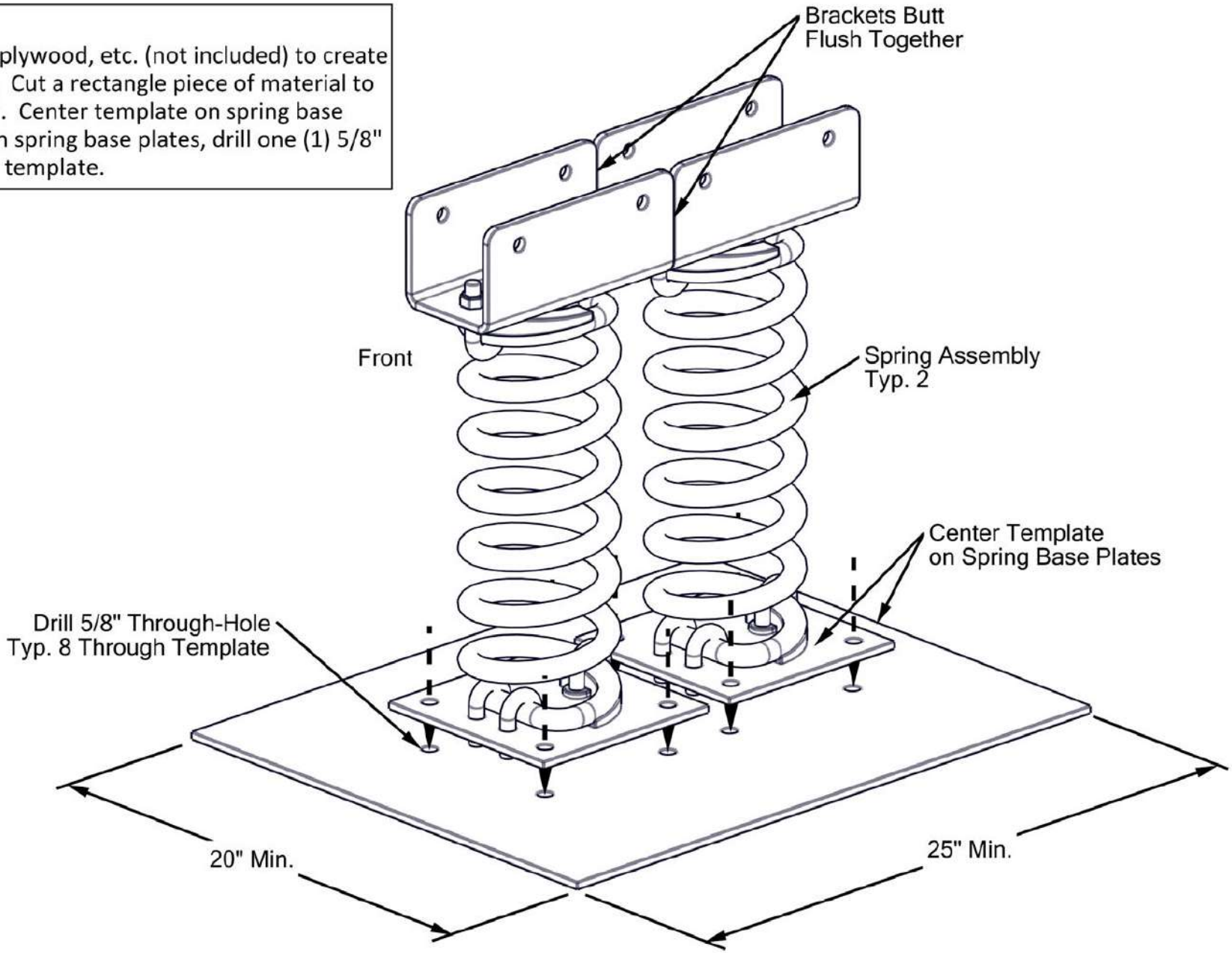
Before beginning installation, all installers must read and understand the Installation Introduction manual as supplied. If you did not receive a copy, or if you have any questions regarding any information in the Installation Instructions or this Installation Guideline, contact your local sales representative.

ITEM	Part No.	QTY	DESCRIPTION
1	RSP-7186XX	1	Sheet - Shuttle Spring Rider Middle Panel
2	RSP-7188XX	1	Sheet - Shuttle Spring Rider Left Side
3	RSP-7187XX	1	Sheet - Shuttle Spring Rider Right Side
4	RSP-7218XX	2	Sheet - Spring Rider Seat Bottom
5	RSP-7217XX	2	Sheet - Spring Rider Seat Back
6	RSP-1102XX	2	Sheet - Steering Wheel Spring Rider
7	RSP-7189XX	1	Sheet - Shuttle Spring Rider Wing
8	RSP-7190XX	2	Sheet - Shuttle Spring Rider Wing Support
9	RSP-7219XX	1	Sheet - Spring Rider Spacer 3/8" Holes
10	RSP-7220XX	1	Sheet - Spring Rider Spacer 1/2" Holes
11	30218101XX	2	Foot Peg - Aluminum W/Two Mounting Holes (COATED)
12	30318103XX	16	L-BRKT 2 3/4" X 1 3/4" X 1-1/2" (Coated)
13	HWB0315	20	Bolt 3/8"-16 x 3/4" TORX Security with Patch
14	HWB0305	8	Bolt 3/8"-16 x 2-1/4" TORX Security with Patch
15	HWB0240	2	Bolt 3/8"-16 x 3" TORX Security with Patch
16	HWB0513	4	Bolt 3/8"- x 4" TORX Security with Patch, 300 Ser. SS
17	HWWR0165	32	Washer 3/8" ID x 7/8" OD General Purpose SS
18	HWN0128	34	Nut 3/8"-16 302 SS TORX Barrel
19	MTA39809XX	2	Coil Spring U-Brkt Asm.
20	HWA0009	8	Anchor 1/2" x 12-1/2" SS J-Bolt
21	HWN0043	8	Nut 1/2"-13 Hex 304 SS
22	HWN0025	8	Nut 1/2"-13 - Nylock - 316SS
23	HWWR0022	16	Washer 1/2" ID x 1 1/4" Flat Washer 316SS



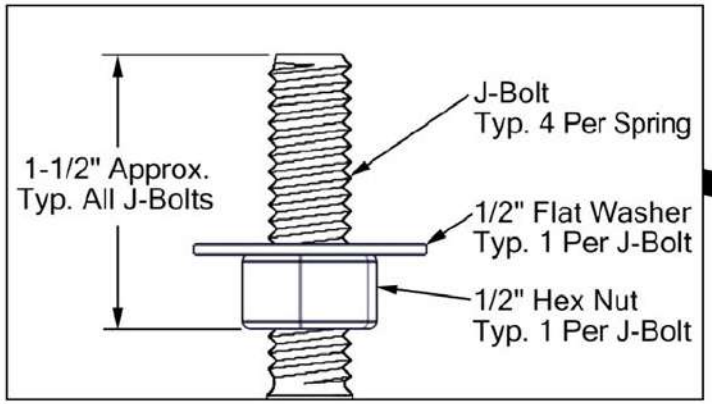
INSTALLATION GUIDELINE

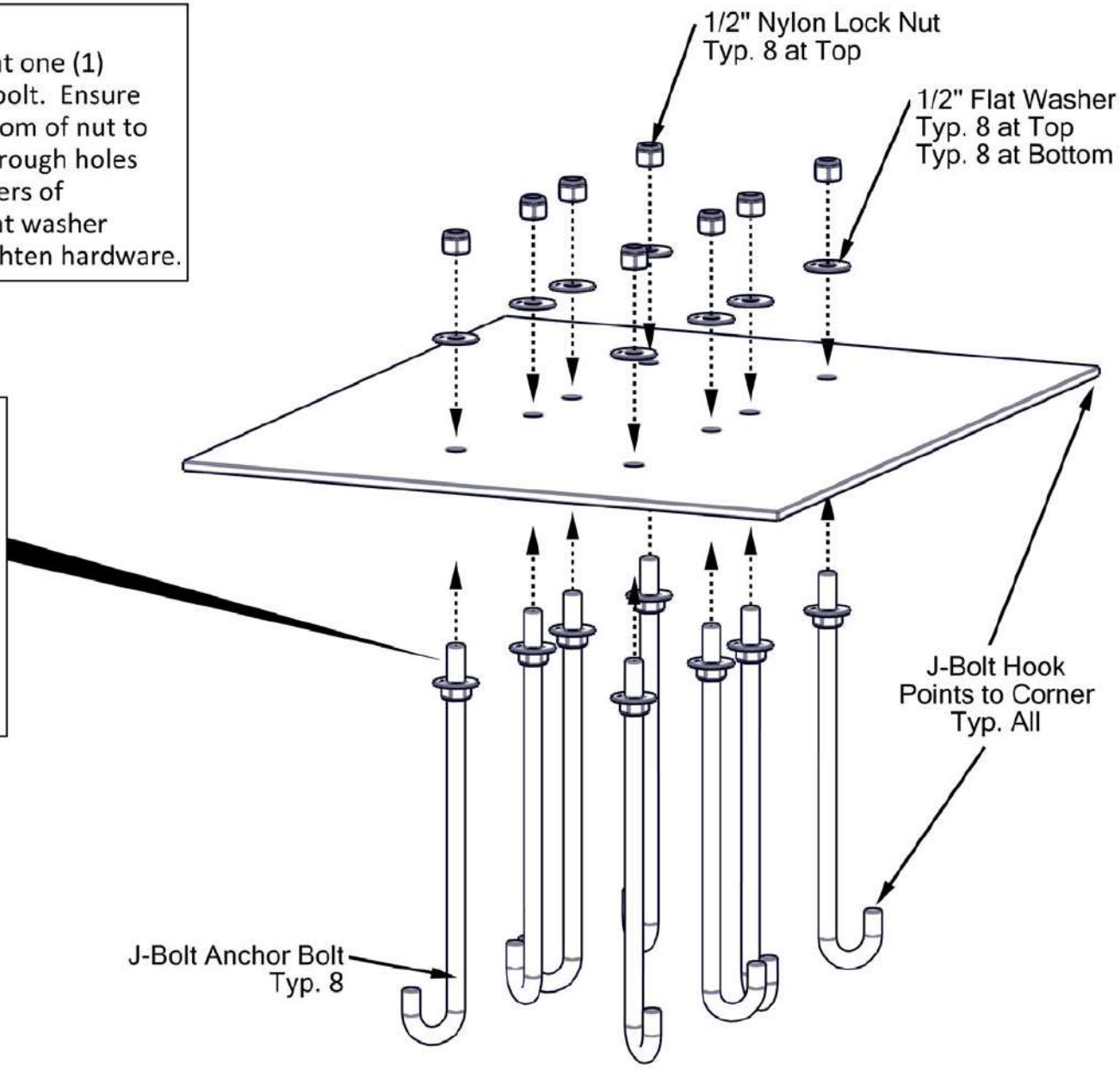
STEP 1
Use scrap poly sheet, plywood, etc. (not included) to create anchor bolt template. Cut a rectangle piece of material to minimum of 20" x 25". Center template on spring base plates. At each hole in spring base plates, drill one (1) 5/8" through-hole through template.



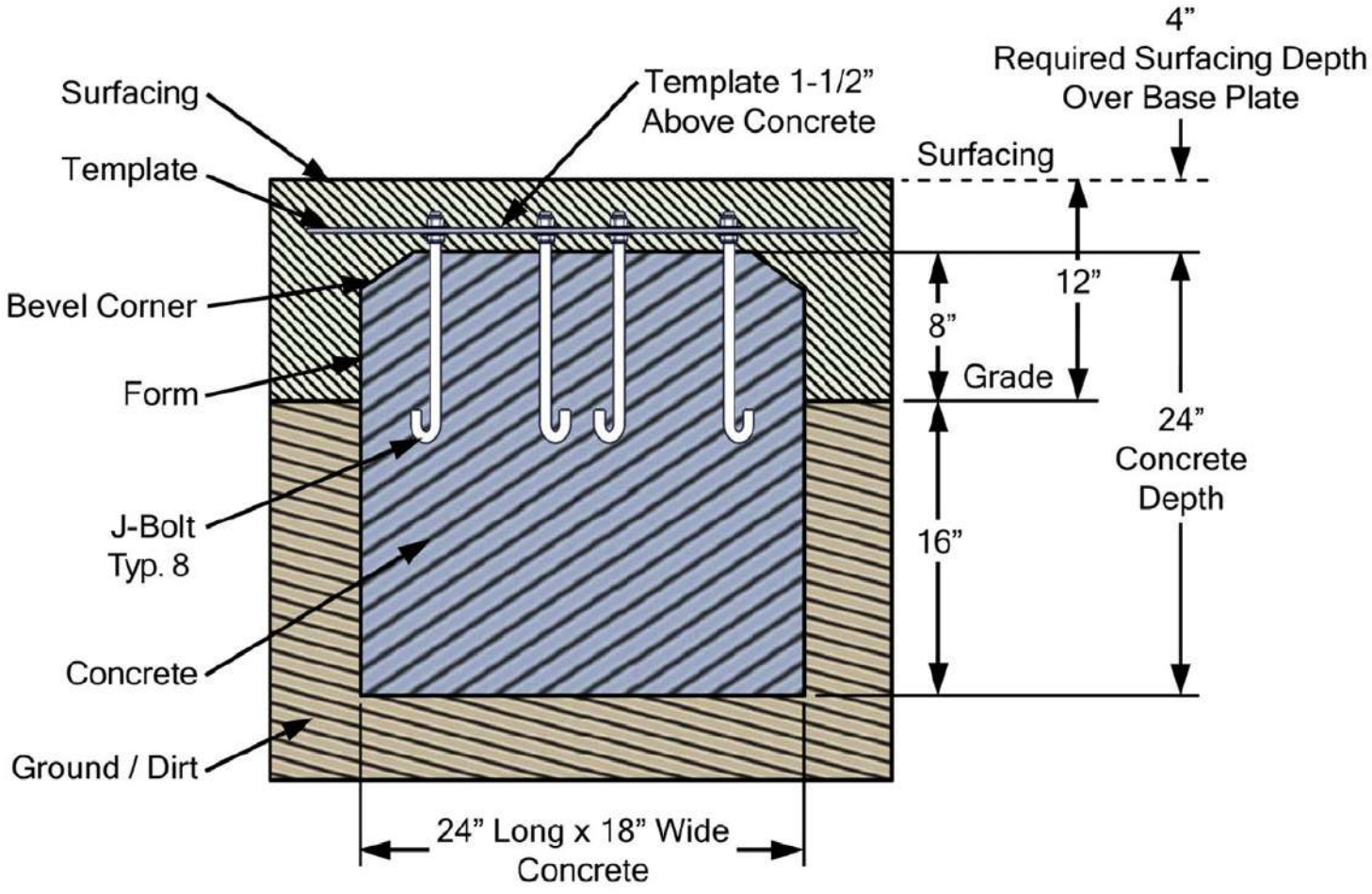
STEP 2
Mount J-bolts to template. For each J-bolt, mount one (1) 1/2" hex nut and one (1) 1/2" flat washer onto J-bolt. Ensure all nuts and washers are same distance from bottom of nut to end of J-bolt. See Detail 2-1. Place each J-bolt through holes in template. Hook of J-bolts should point to corners of template. Secure each J-bolt with one (1) 1/2" flat washer and one (1) 1/2" Nylon lock nut. DO NOT fully tighten hardware.

Detail 2-1

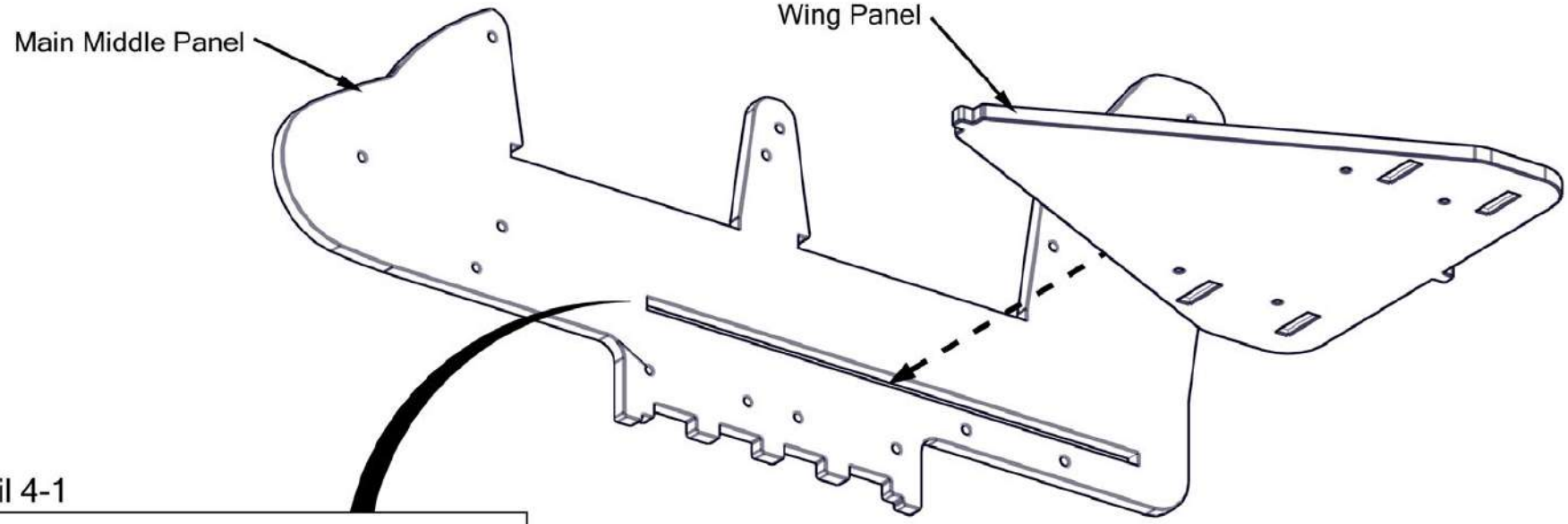




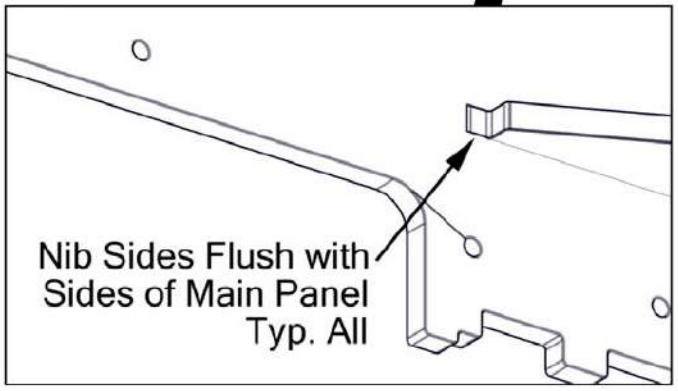
STEP 3
Prepare footing hole and set J-bolts. Concrete footing for J-bolts must be 18" diameter and 24" tall with 8" of concrete ABOVE GRADE and 16" of concrete BELOW GRADE. Position template 1-1/2" above top of concrete level so hex nuts can be adjusted. Hex nuts will be used to level spring rider. Center J-bolts on footing hole. Ensure template is level. Ensure template is fully supported. Fill footing hole and form to proper level. Bevel top edge of concrete to eliminate sharp corner. Allow concrete to fully cure based upon manufacturer's instructions before mounting spring rider.



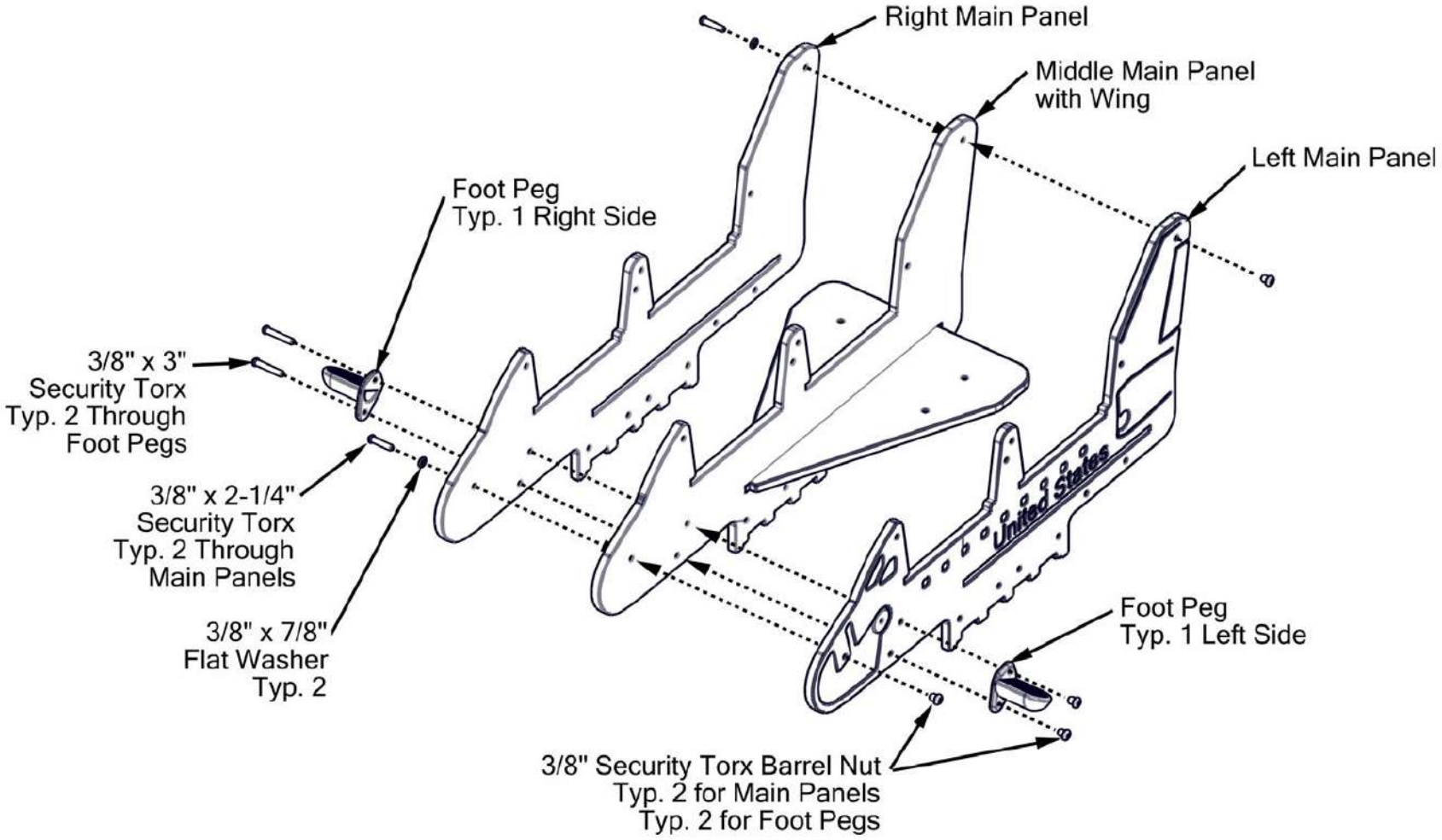
STEP 4
Insert wing panel into slot in main middle panel. Ensure sides of nibs are flush with sides of main middle panel. See Detail 4-1.



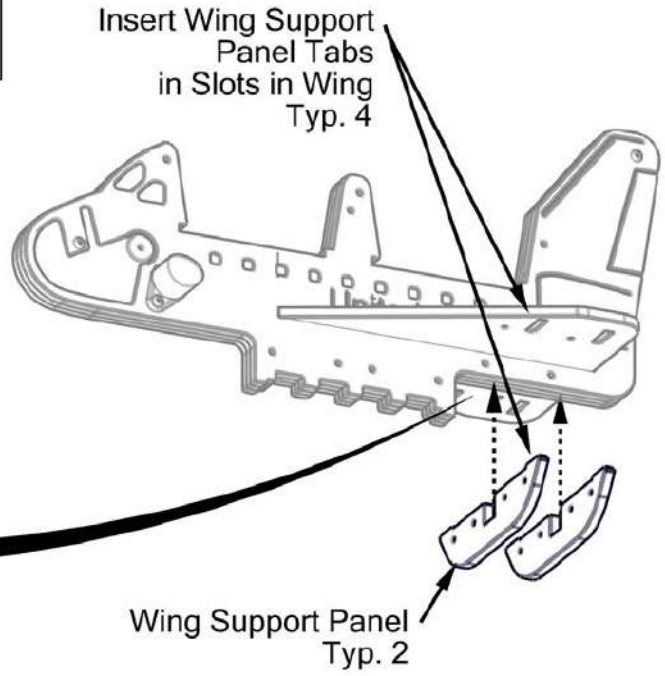
Detail 4-1



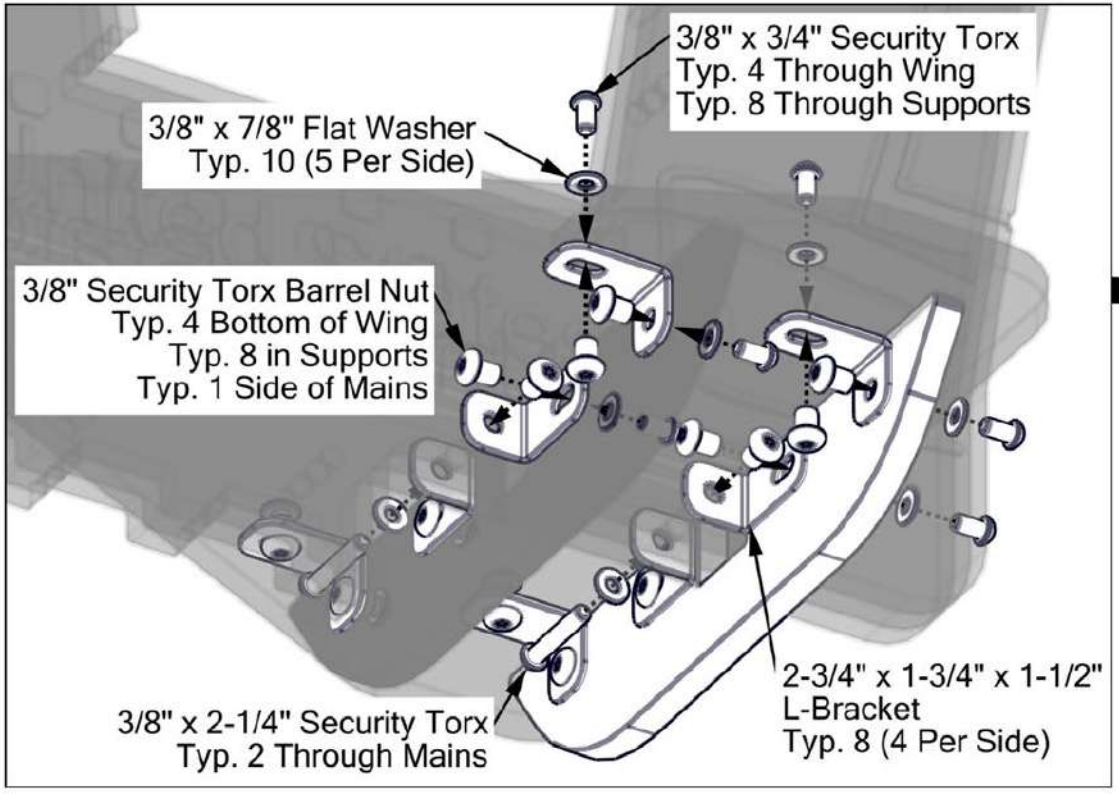
STEP 5
Connect middle main panel, left main panel, and right main panel together. Align holes in all panels. Secure three (3) panels together at nose and tail with two (2) 3/8" x 2-1/4" security Torx, two (2) 3/8" x 7/8" flat washers, and two (2) 3/8" security Torx barrel nuts. Secure two (2) foot pegs together through main panels with two (2) 3/8" x 3" security Torx and two (2) 3/8" security Torx barrel nuts.



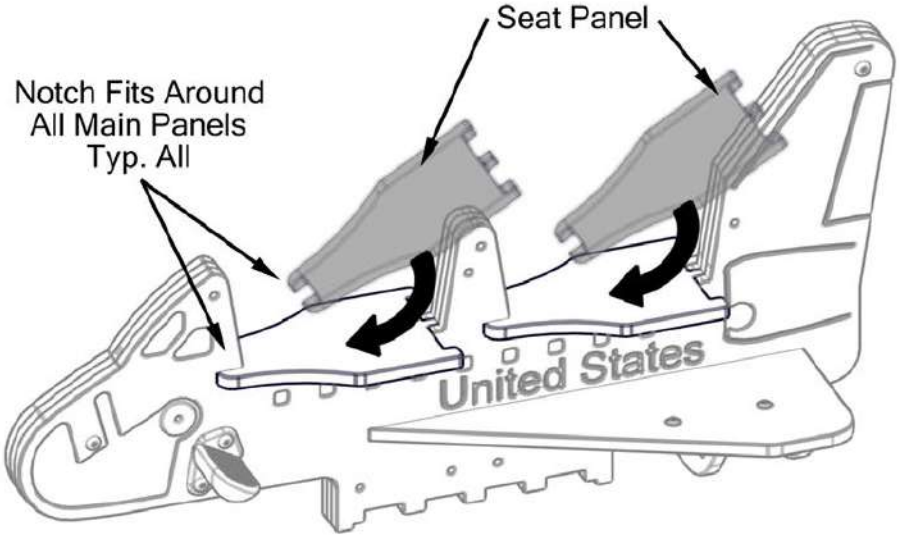
STEP 6
Secure wing support panels to wing panel. Place notches in wing support panels around sides of main panels. Insert tabs on wing support panels into slots in wing. On each side of wing, place four (4) 2-3/4" x 1-3/4" x 1-1/2" L-brackets against wing support panels and wing panel. Secure L-brackets to wing panel with four (4) 3/8" security Torx barrel nuts, four (4) 3/8" x 7/8" flat washers, and four (3) 3/8" x 3/4" security Torx. Secure L-brackets to wing support panels with four (4) 3/8" security Torx barrel nuts, four (4) 3/8" x 7/8" flat washers, and four (3) 3/8" x 3/4" security Torx. See Detail 6-1. Repeat for opposite side of wing.

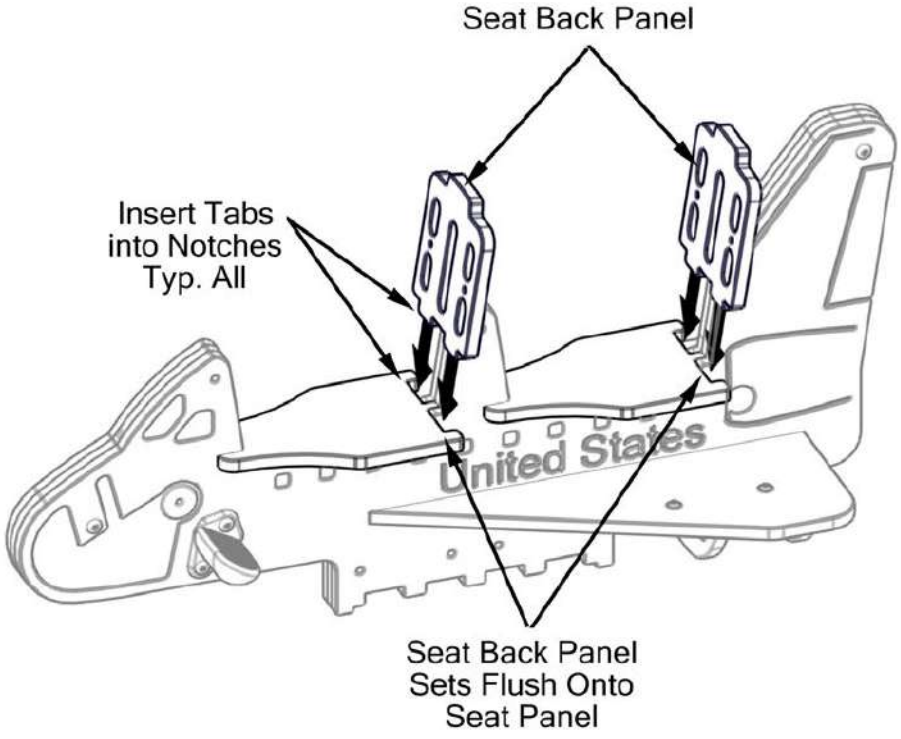


Detail 6-1

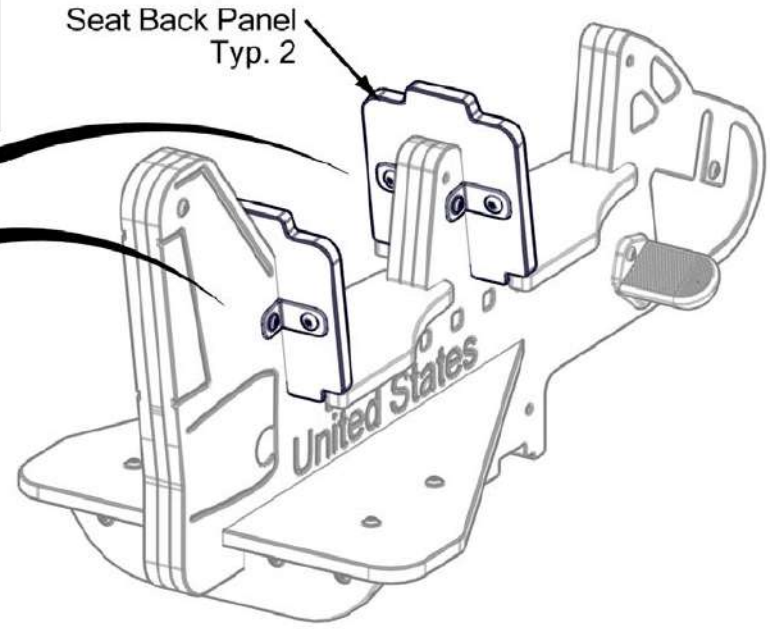


STEP 7
Place seat panels onto main assembly. Ensure front notches in seat panels fit around sides of main panels. Place seat back panel tabs into notches in rears of seat panels. Seat back panels should set flush onto seat panels.

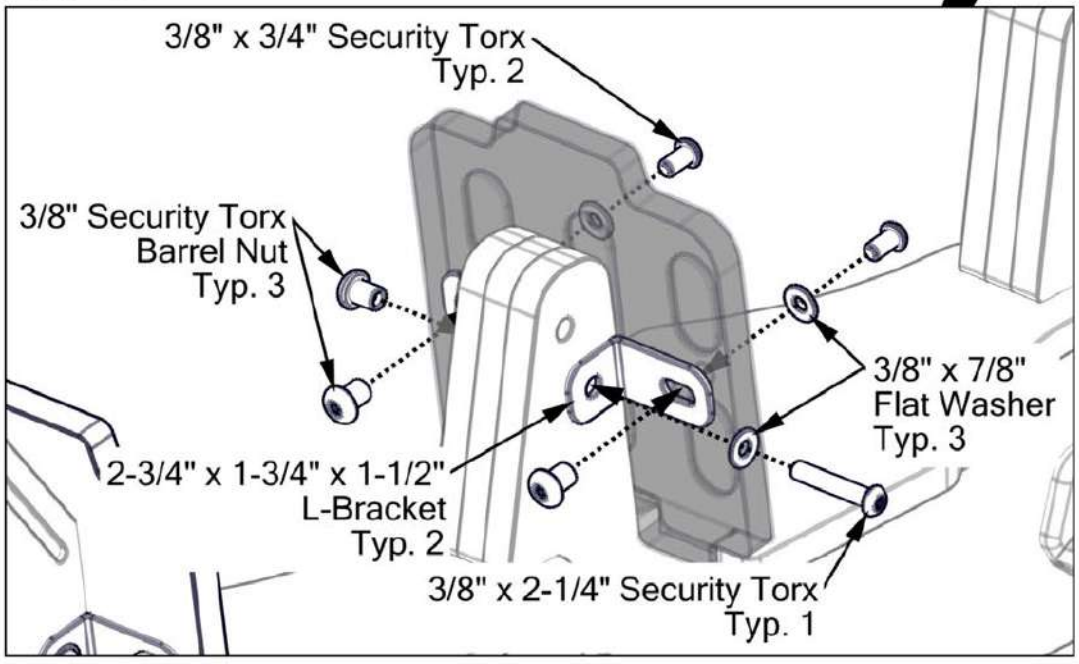




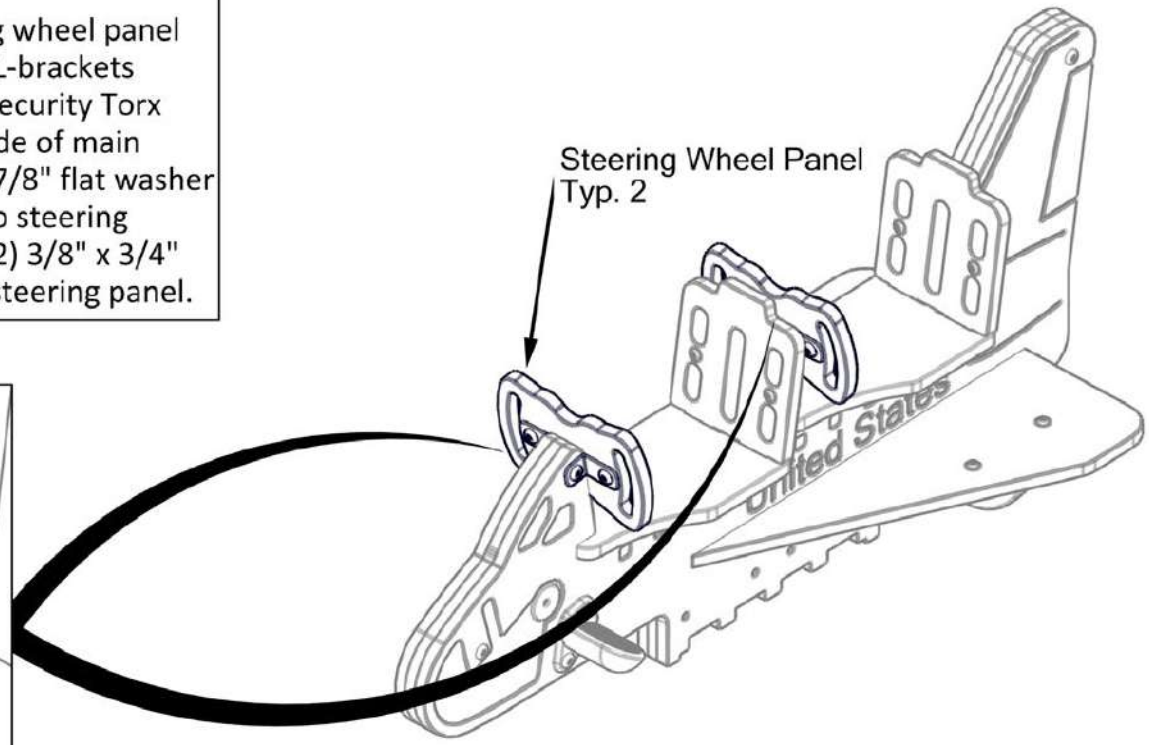
STEP 8
Secure front seat back panel to main panels. Place two (2) 2-3/4" x 1-3/4" x 1-1/2" L-brackets against back of seat panel. Insert three (3) 3/8" security Torx barrel nuts through L-brackets, seat back panel, and right side of main panels. Secure brackets to main panels with one (1) 3/8" x 7/8" flat washer and one (1) 3/8" x 2-1/4" security Torx. Secure L-brackets to seat back panel with two (2) 3/8" x 7/8" flat washers and two (2) 3/8" x 3/4" security Torx. See Detail 8-1. Repeat STEP for rear seat back panel.



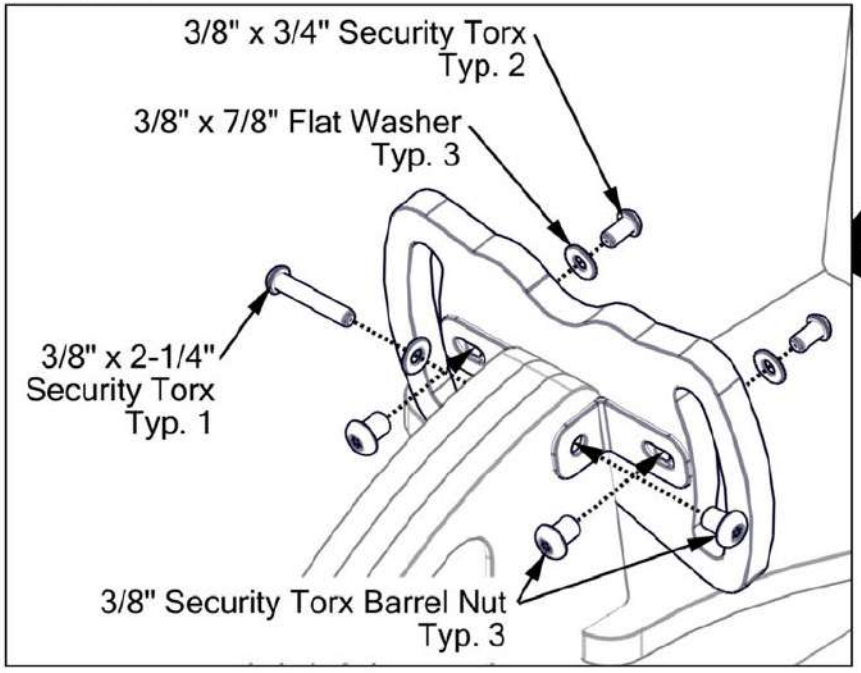
Detail 8-1



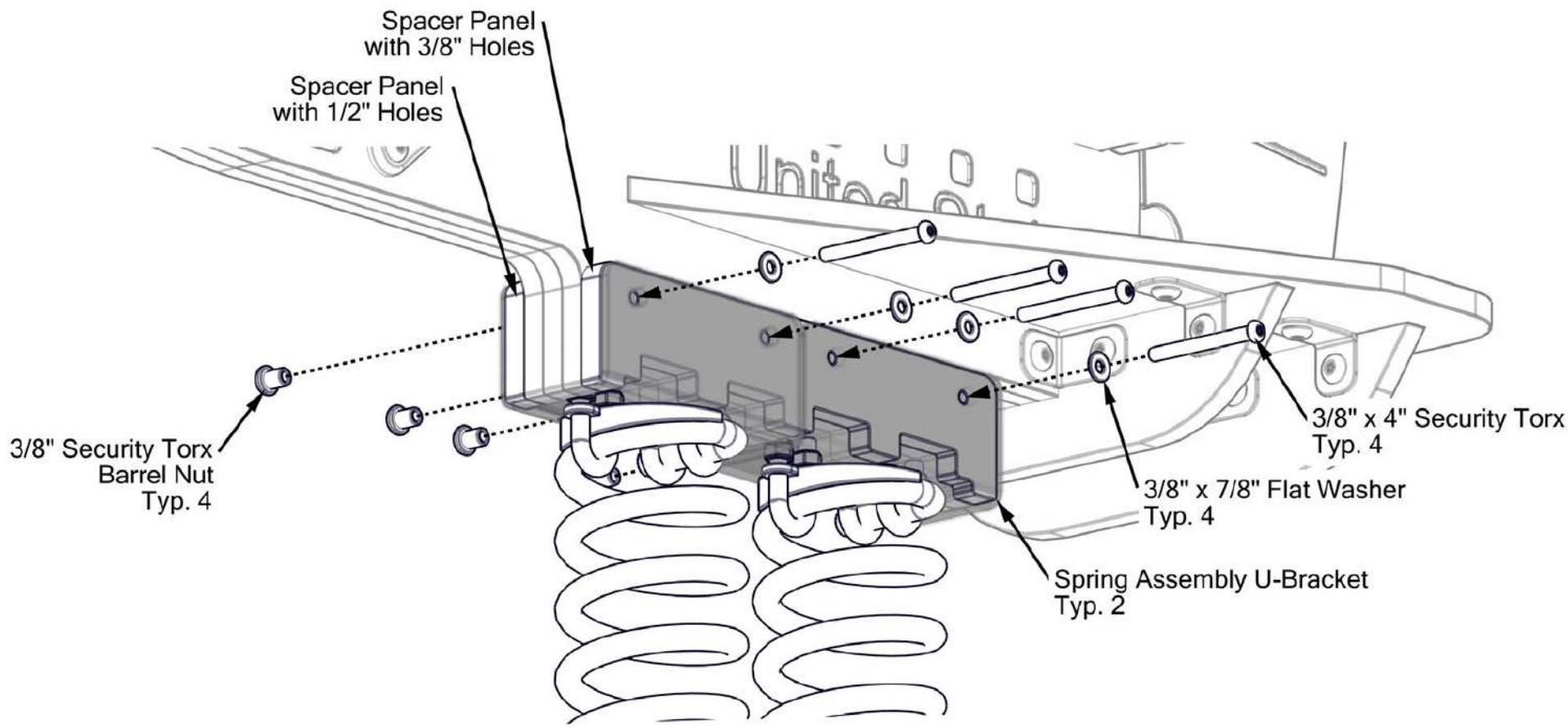
STEP 9
Mount steering wheel panels to main panels. Place steering wheel panel against main panels. Place two (2) 2-3/4" x 1-3/4" x 1-1/2" L-brackets against back of steering wheel panel. Insert three (3) 3/8" security Torx barrel nuts through L-brackets, steering wheel panel, and side of main panels. Secure brackets to main panels with one (1) 3/8" x 7/8" flat washer and one (1) 3/8" x 2-1/4" security Torx. Secure L-brackets to steering wheel panel with two (2) 3/8" x 7/8" flat washers and two (2) 3/8" x 3/4" security Torx. See Detail 9-2. Repeat STEP 9 for additional steering panel.



Detail 9-1



STEP 10
Mount rider assembly to spring assemblies. Place left spacer panel and right spacer panel on sides of main rider assembly. Position tops of springs as shown below. Align all holes through spacer panels, spring assemblies, and main panels. Secure with four (4) 3/8" security Torx barrel nuts, four (4) 3/8" x 7/8" flat washers, and four (4) 3/8" x 4" security Torx.



STEP 11
Ensure concrete is fully cured. Remove top 1/2" lock nuts and 1/2" flat washers. Remove template. Place spring rider assembly onto J-bolts. Replace 1/2" flat washers and 1/2" lock nuts. Elevation of rider seat above finished surfacing MUST BE 22" to 28". Adjust 1/2" nuts below and above rider base plate to level rider. Check all connections and ensure structure is stable. Installation is complete. Place one (1) Age Appropriate Sticker on structure in a clearly visible location.