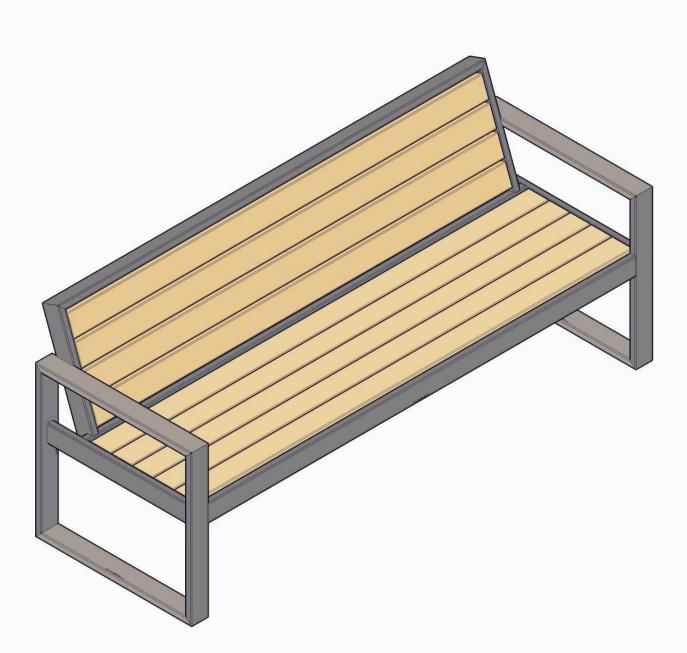


PROD REV: A-1 DWG VER: V-1

PATIO SEAT TRIPLE

(PATO-000-000)





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WARNING



SAFETY WARNING: WELDING INVOLVED

Before you begin the assembly process, it's crucial to understand the risks and necessary precautions associated with welding. Please read and adhere to the following safety guidelines:

- **Professional Supervision:** If you're inexperienced in welding, consider seeking guidance or supervision from a trained professional. A small error can have significant consequences on the durability and safety of your furniture.
- **Protective Gear:** Welding can produce intense UV light, sparks, and spatter. Always use a welding helmet with the correct shade of lens, wear flame-resistant clothing, leather gloves, and safety boots. Safety glasses should be worn underneath the helmet for added eye protection.
- Work in a Safe Environment: Welding can produce harmful fumes and gases. Always work in a well-ventilated space, preferably outdoors. Remove any flammable materials from the vicinity, and always have a fire extinguisher on hand.
- **Pre-welding Inspection:** Thoroughly inspect the metal parts for any signs of damage, rust, or contamination. Clean the areas to be welded to ensure there are no oils, paints, or other materials that might interfere with the weld.
- **Equipment Check:** Before you start, ensure your welding machine is in proper working condition. Check cables, connectors, and welding gun for any damage or wear.
- Avoid Water: Never weld in wet conditions or touch the welding equipment with wet hands or gloves. Water is a conductor of electricity and can increase the risk of shocks.
- **Grounding:** Ensure that the piece you're welding is correctly grounded. A proper ground connection is essential for safety and for producing quality welds.
- **Post-welding Protocol:** Once you finish welding, let the welded parts cool down gradually. Rapid cooling can lead to metal warpage or structural weaknesses.
- **Stay Informed:** Familiarize yourself with the Material Safety Data Sheet (MSDS) for the metals you're working with and the filler materials you're using.
- **First Aid:** Keep a first aid kit nearby. In case of minor burns, immediately hold the affected area under cold running water for at least 10 minutes.
- Limit Distractions: Ensure that your workspace is free from unnecessary distractions. Focus is critical when welding to maintain consistent quality and safety.
- Store Equipment Safely: After completion, store your welding equipment in a dry, safe place away from children's reach.

Remember, your safety and the quality of your work go hand in hand. Always prioritize safety precautions and never rush the welding process. If you're ever uncertain about a step or safety measure, seek guidance before proceeding.

Your safety is our top priority! No task justifies risking injury.



BILL OF MATERIALS

See page 26 for detailed drawings of each part.

ITEM	PART NUMBER	DESCRIPTION	REV	MATERIAL	QTY.
1	1000-050-004	Phillips Flat Head Wood Screws - #10-13 x 1"	A-1	STEEL	60
2	PATO-050-006	SEAT TUBE MEMBER - FRONT - TRIPLE	A-1	RT_A500_3X1_0.075T	1
3	PATO-050-007	SEAT TUBE MEMBER - REAR - TRIPLE	A-1	RT_A500_3X1_0.075T	1
4	PATO-050-008	SEAT TUBE MEMBER - REST LONG - TRIPLE	A-1	RT_A500_3X1_0.075T	1
5	PATO-050-009	SEAT TUBE MEMBER - REST LEFT	A-1	RT_A500_3X1_0.075T	1
6	PATO-050-010	SEAT TUBE MEMBER - REST RIGHT	A-1	RT_A500_3X1_0.075T	1
7	PATO-051-000	SUPPORT MEMBER - SEAT	A-1	SQ_A500_1.5X1.5_0.065T	1
8	PATO-051-001	SUPPORT MEMBER - BACK	A-1	SQ_A500_1.5X1.5_0.065T	1
9	PATO-053-000	ARM REST TUBE - LONG	A-1	RT_A500_3X1_0.075T	4
10	PATO-053-001	ARM REST TUBE - MIDDLE LEFT	A-1	RT_A500_3X1_0.075T	1
11	PATO-053-002	ARM REST TUBE - MIDDLE RIGHT	A-1	RT_A500_3X1_0.075T	1
12	PATO-053-003	ARM REST TUBE - SHORT LEFT	A-1	RT_A500_3X1_0.075T	1
13	PATO-053-004	ARM REST TUBE - SHORT REAR	A-1	RT_A500_3X1_0.075T	2
14	PATO-053-005	ARM REST TUBE - SHORT RIGHT	A-1	RT_A500_3X1_0.075T	1
15	PATO-054-000	SLAB SUPPORT - SEAT	A-1	SM_A36_0.1345T	2
16	PATO-054-001	SLAB SUPPORT - BACK	A-1	SM_A36_0.1345T	2
17	PATO-900-002**	WOOD SLAB - SEAT - TRIPLE	A-1	WOOD 2X4	5
18	PATO-900-005**	WOOD SLAB - BACK - TRIPLE	A-1	WOOD 2X4	4

** ITEMS NOT PROVIDED

GLOSSARY

METAL TUBE

SQ A500 2X2 0.065T MATERIAL SIZE

TYPE

MATERIAL **THICKNESS**

SHEET METAL

SM A36 0.065T

TYPE

MATERIAL

MATERIAL **THICKNESS**

Type

SQ = Square tube profile RT = Rectangle tube profile CR = Circle tube profile AG = Angle tube profile SM = Sheet Metal

Material Thickness

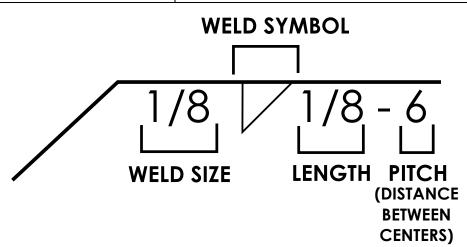
10ga - 0.1345" 12ga - 0.1035" 14ga - 0.075" 16ga - 0.065"

AWS SYMBOLS

The following are some of the common weld symbols you will encounter when reading our assembly instructions.

AWS SYMBOL	NAME	DESCRIPTION		
\square	FILLET WELD	Triangular weld joining two surfaces at right angles; common in T-joints and lap joints.		
\ominus	SEAM WELD	Joins metal using a hole in the top piece, fusing wi the bottom piece.		
0	SPOT WELD	WELD Used for fusing overlapping metals at discrete poin often used in sheet metal fabrication.		
	PLUG WELD	ELD Process creating a consistent weld along overlappin materials; suitable for containers and cylindrical assemblies.		

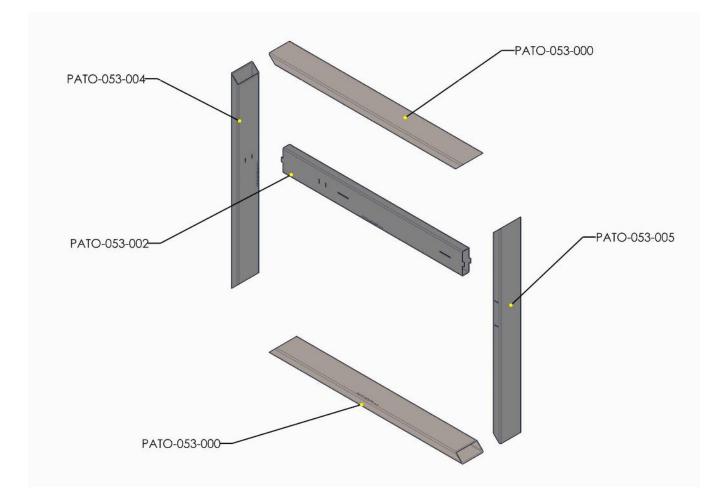
WELD INDICATION	DESCRIPTION	
1/8 / 1/8 - 6	TACK WELD (Small and temporary weld that hold parts together ready for final welding.)	
1/4 1.5 - 6	FULLY WELD (Last welding operation performed to complete a joint or structure, ensuring its integrity.)	

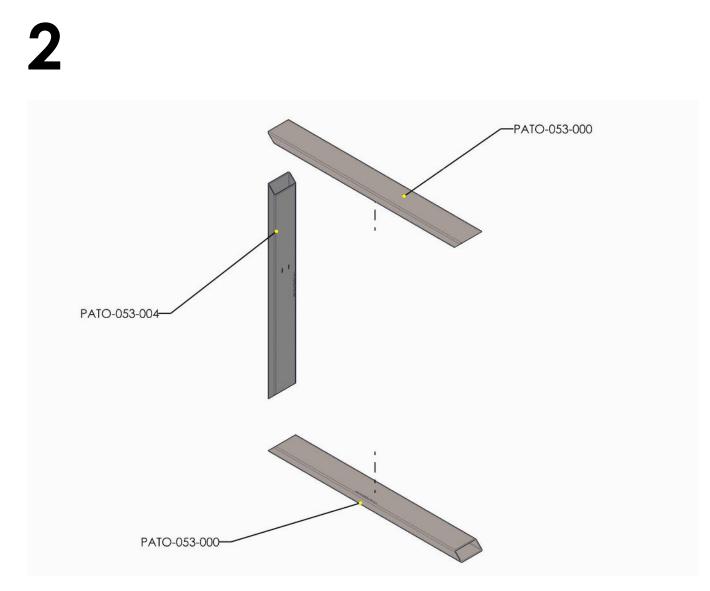


This symbol tells us to make a 1/8" high Fillet Weld, 1/8" long (a "tack"), and to do so along the seam every 6" (the pitch).

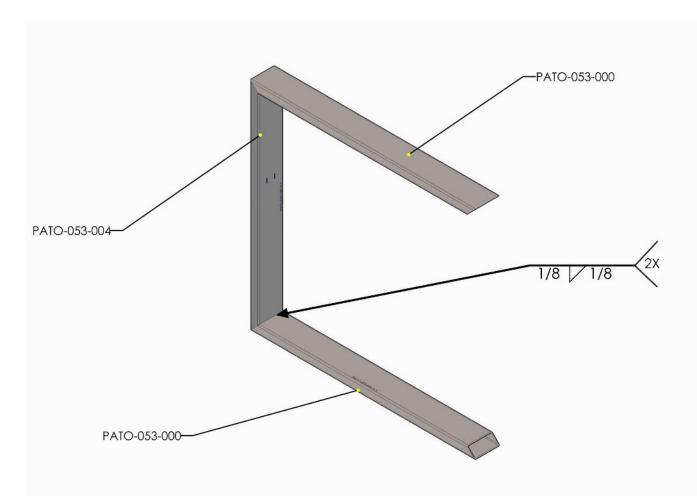
PROD REV: A-1 DWG VER: V-1

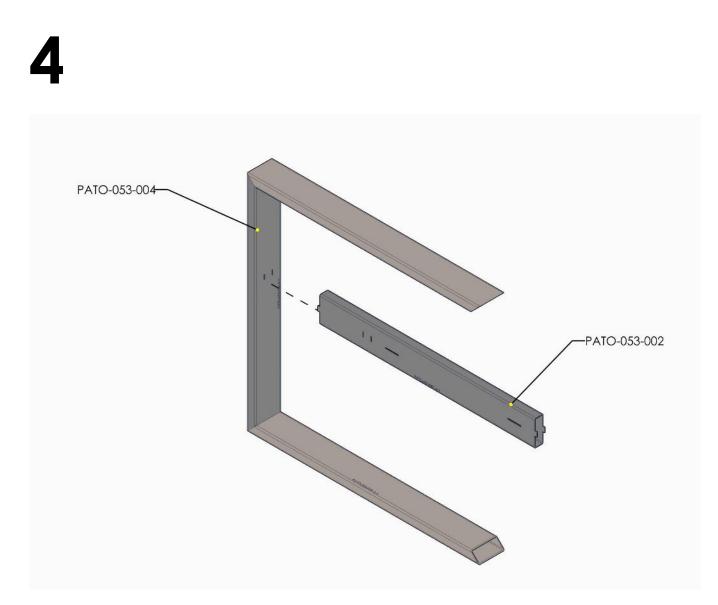
ASSEMBLY INSTRUCTIONS 1

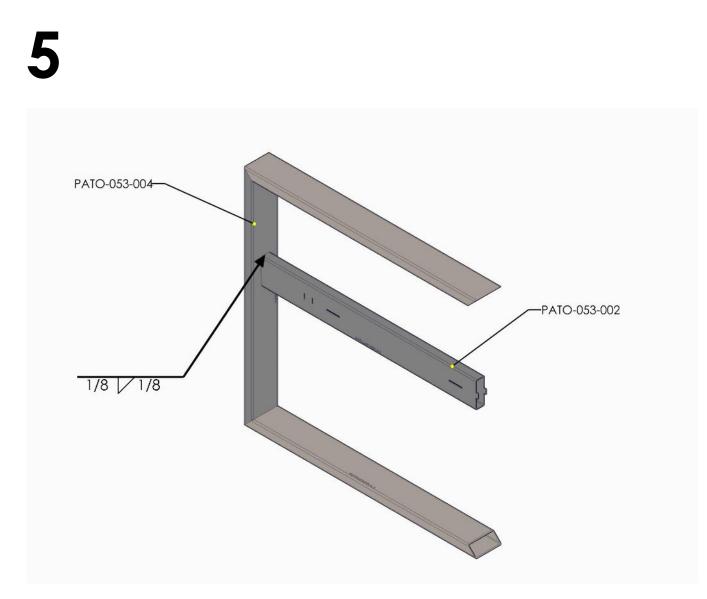




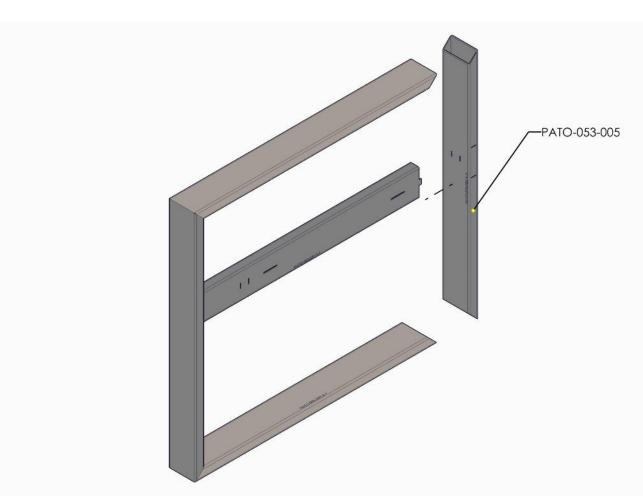
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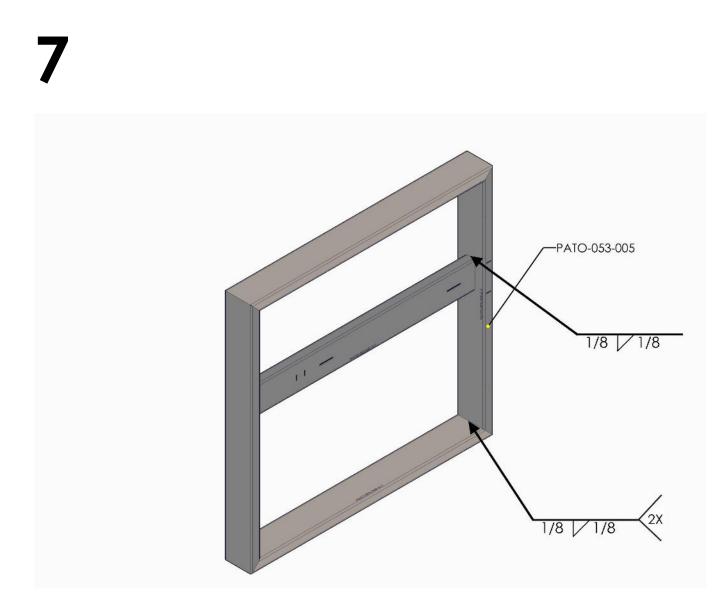






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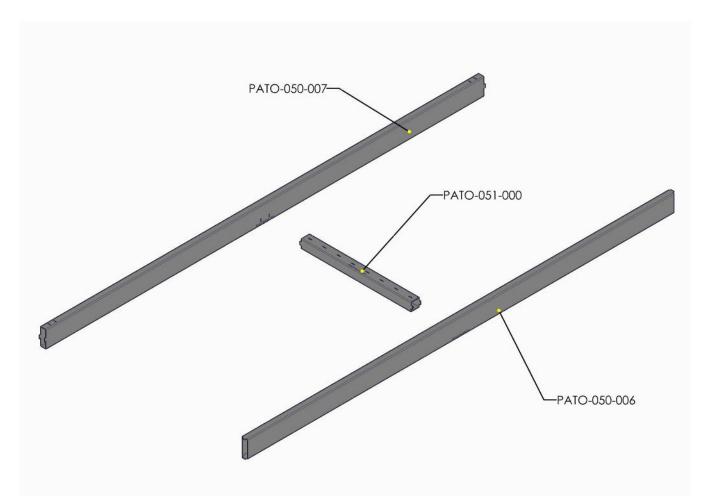




NOTES:

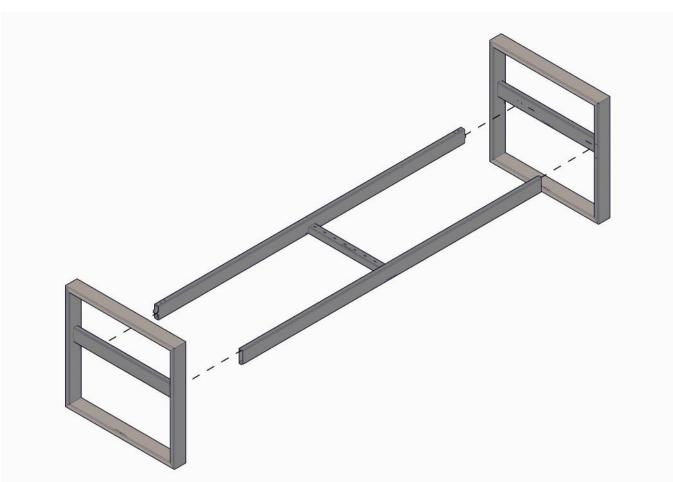
REPEAT STEPS 1 TRHU 7 FOR OTHER SET OF LEGS

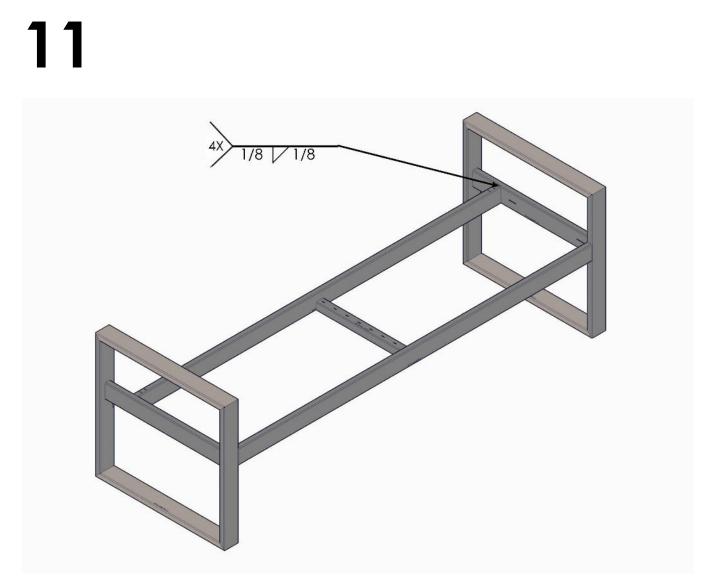
8



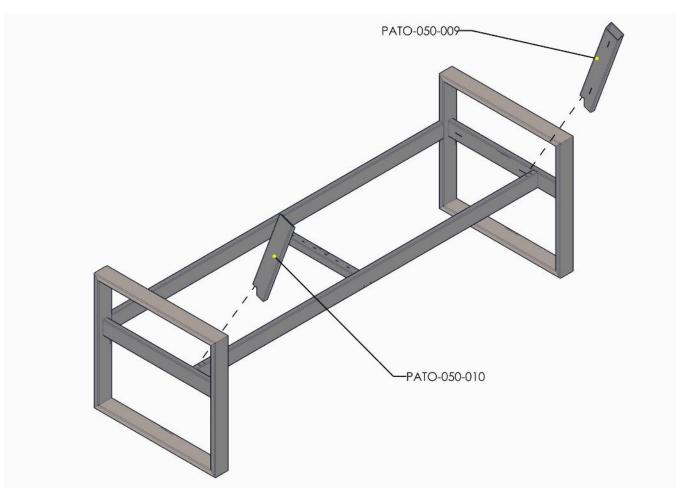
9 PATO-050-007-2> 1/8 1/8 -PATO-051-000 PATO-050-006

10

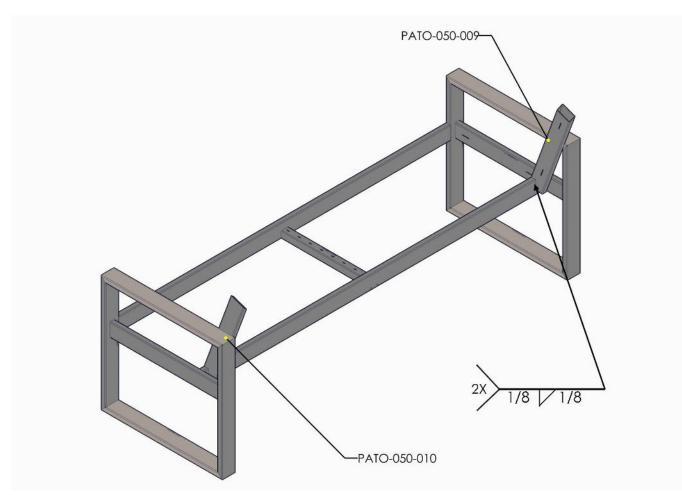


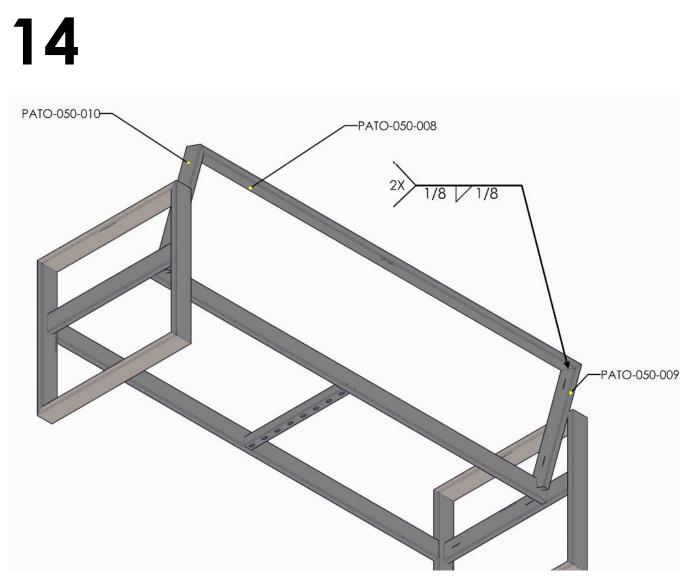


12

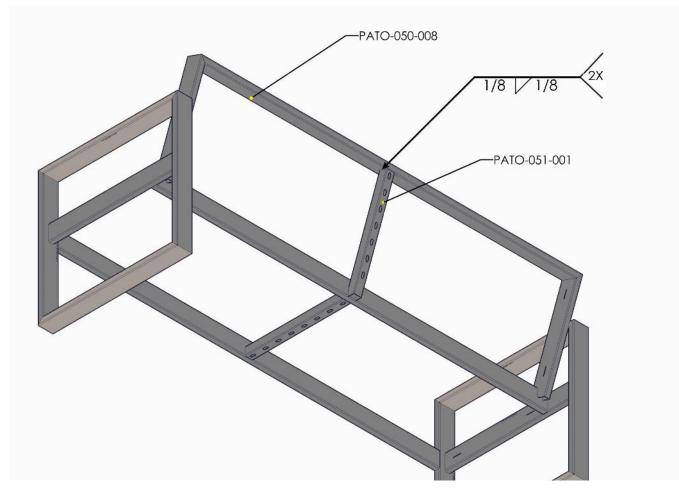


13

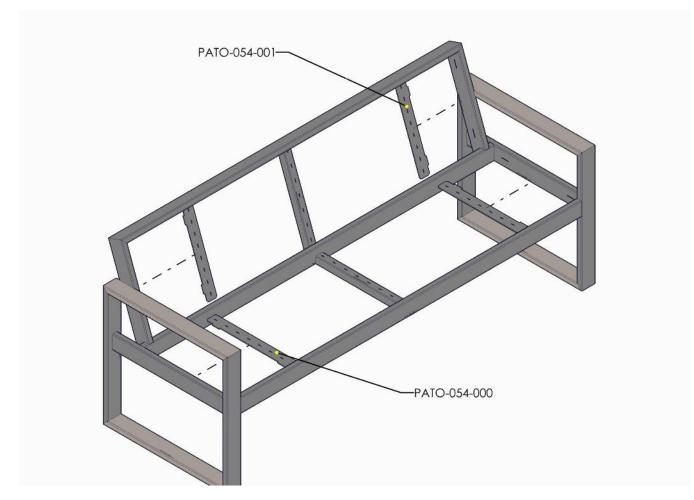




15



16



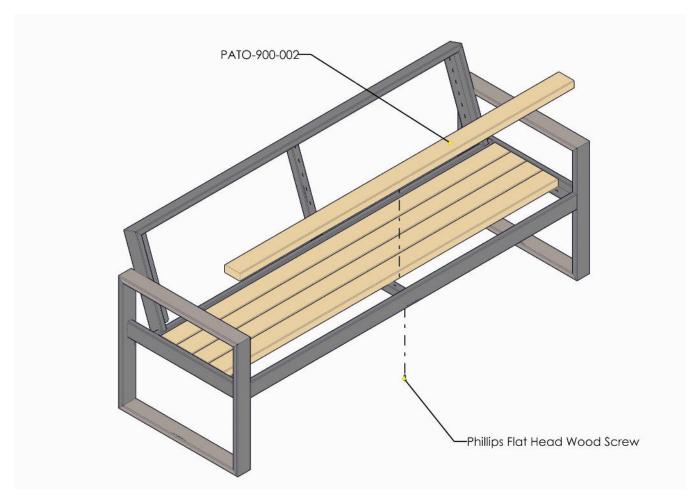
17 PATO-054-001-1/8 1/8 -PATO-054-000

NOTES:

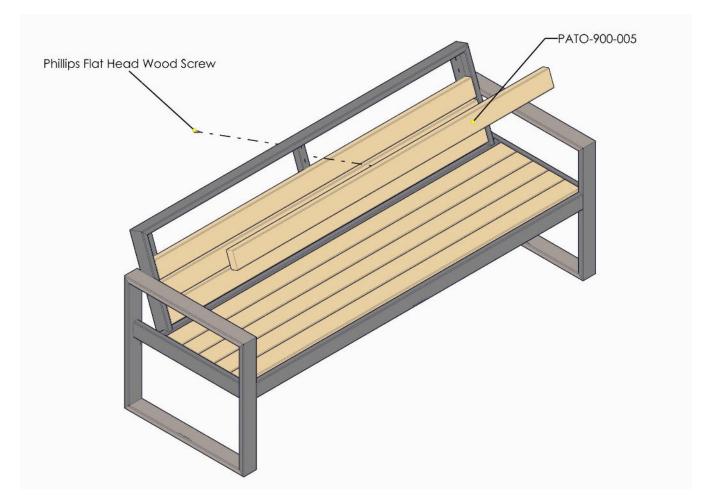
NOW IS THE PERFECT TIME TO GO BACK AND FINISH WELDING ALL THE PREVIOUS TACK WELDS

WE RECOMMEND A 0.25" HIGH FILLET WELD, 1.5" LONG

18



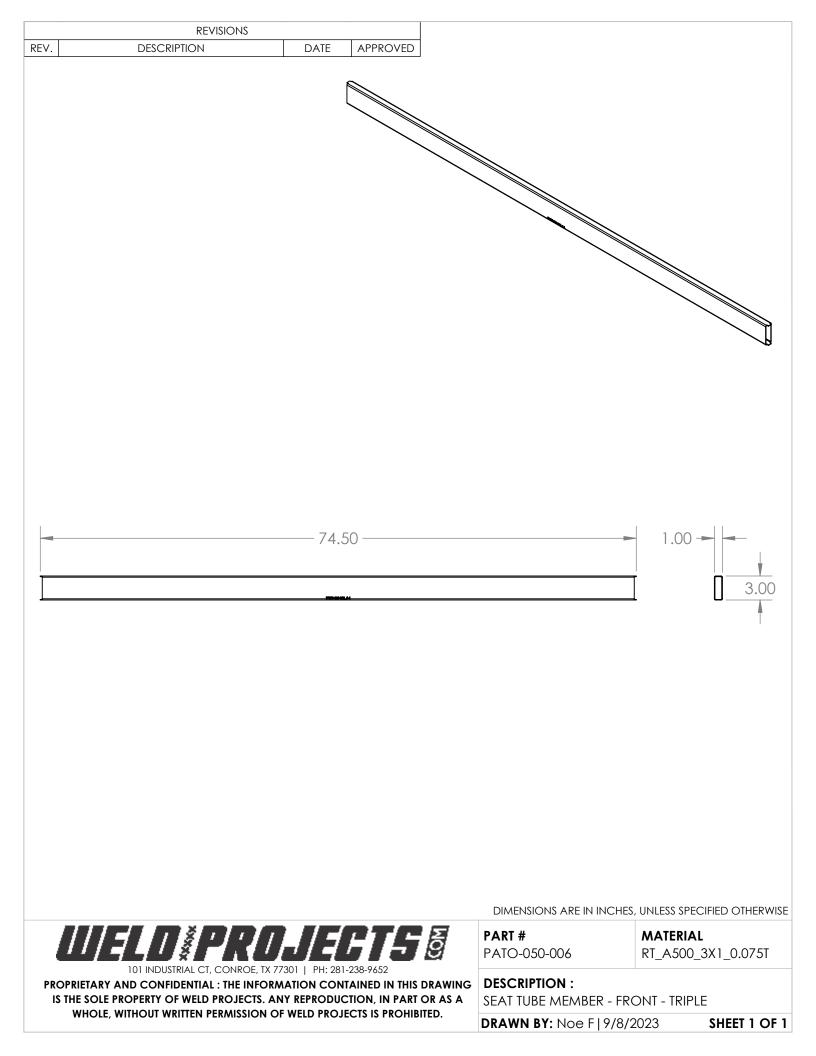
19

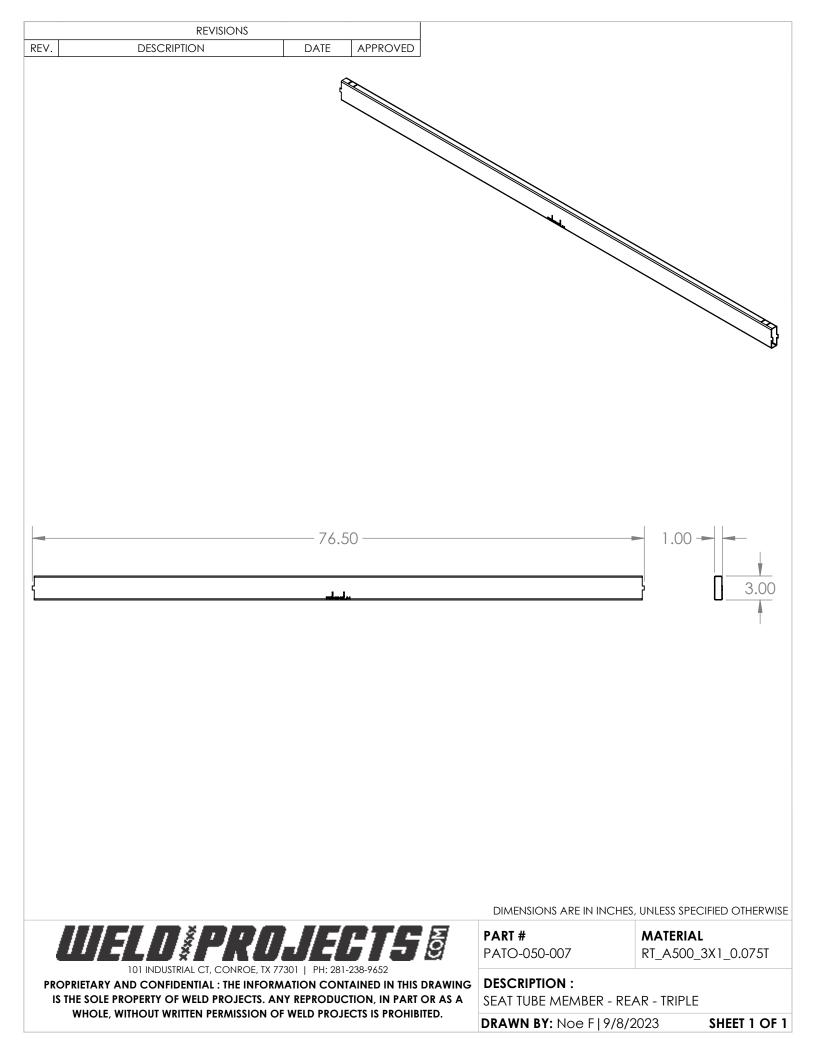


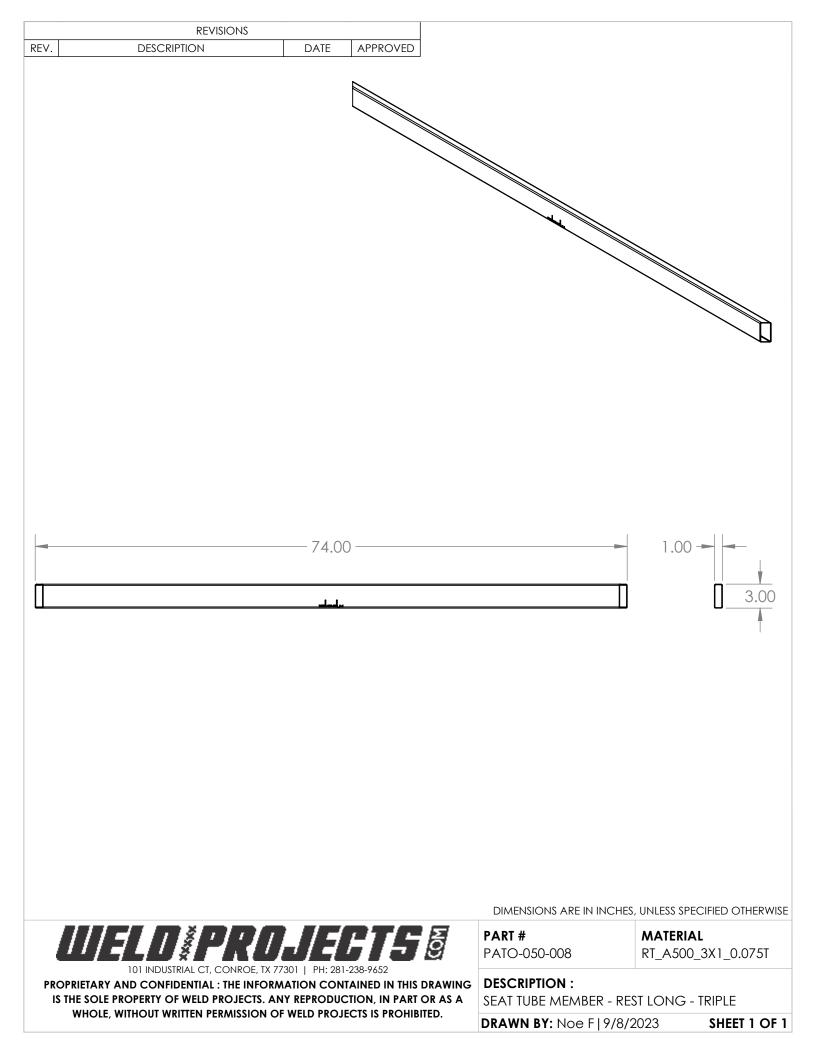


PROD REV: A-1 DWG VER: V-1

PART DRAWINGS







	REVISIONS				
REV.	DESCRIPTION	DATE A	PPROVED		
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		ATO-050-009_A-1			
					S, UNLESS SPECIFIED OTHERWISE
	UELD PRO	HEE	T t d	PART # PATO-050-009	MATERIAL RT_A500_3X1_0.075T
•	101 INDUSTRIAL CT, CONROE, TX 7				KI_7000_071_0.0701
PROPRIETARY AND CONFIDENTIAL : THE INFORMATION CONTAINED IN THIS D				DESCRIPTION :	
15	THE SOLE PROPERTY OF WELD PROJECTS. ANY REPRODUCTION, IN PA WHOLE, WITHOUT WRITTEN PERMISSION OF WELD PROJECTS IS PRO		SEAT TUBE MEMBER - RE		
				DRAWN BY: Noe F 9/8/	2023 SHEET 1 OF 1

