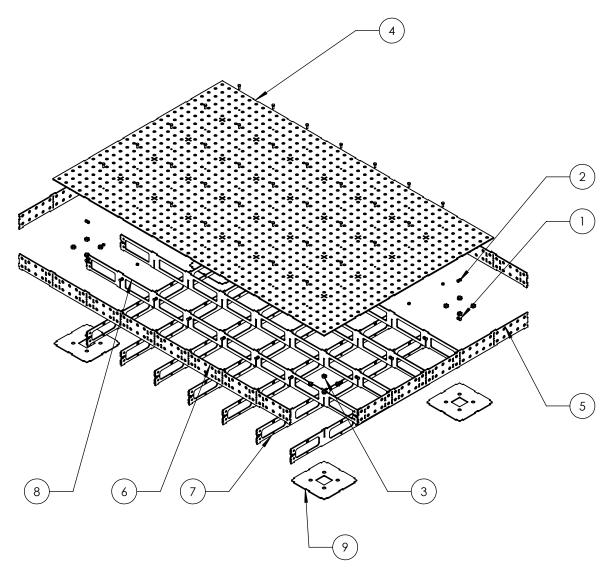
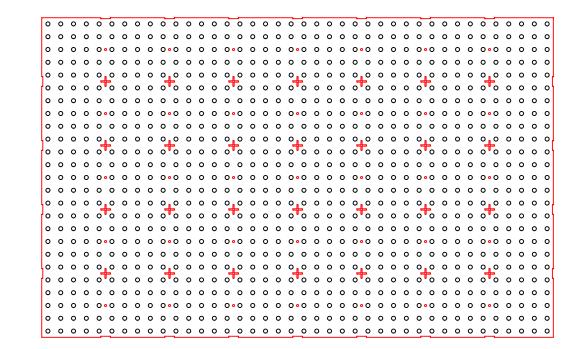


ITEM	PART NUMBER	DESCRIPTION	REV	QTY.
1	1000-000-000	Steel Hex Head Bolt - 5/16"-18 x 0.75" - Fully Threaded		57
2	1001-000-000	Steel Hex Nut - 5/16"-18		57
3	1001-010-003	Projection Weld Nut5-13	A-1	16
4	2003-050-009	DIY Weld Table Top 50 x 80	A-1	1
5	2003-051-002	DIY Weld Table Short Side 50 In	A-1	2
6	2003-052-004	DIY Weld Table Long Side 80 In	A-1	2
7	2003-053-002	DIY Weld Table Short Rib 50 In	A-1	7
8	2003-054-004	DIY Weld Table Long Rib 80 In	A-1	4
9	2003-055-000	DIY Weld Table Leg Base Plate 10.125 x 10.125	A-1	4





Using an angle grinder, clean all the burrs on the outside edges, the plus slots, and the fastening holes as shown in the picture below.



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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL ±1/16
ANGULAR: BEND ±1° MACH ±0.5°
DIMENSIONAL TOLERANCE ± 0.015

	NAME	DATE	(
DRAWN	MMoreno	11/13/2024	
CHECKED	MKamat	11/13/2024	
MFG. APPR.	EJuel	11/13/2024	
Q.A. APPR.	MKamat	11/13/2024	
	CHECKED MFG. APPR.	DRAWN MMoreno CHECKED MKamat MFG. APPR. EJuel	DRAWN         MMoreno         11/13/2024           CHECKED         MKamat         11/13/2024           MFG. APPR.         EJuel         11/13/2024

COMMENTS:

PART #
DIY Weld Table TYP
DIY Weld Table Top Assembly

P/N REV : A-1

MATERIAL :

DWG. VER : 1

ROUTING :

CUSTOMER : STD. PRODUCT

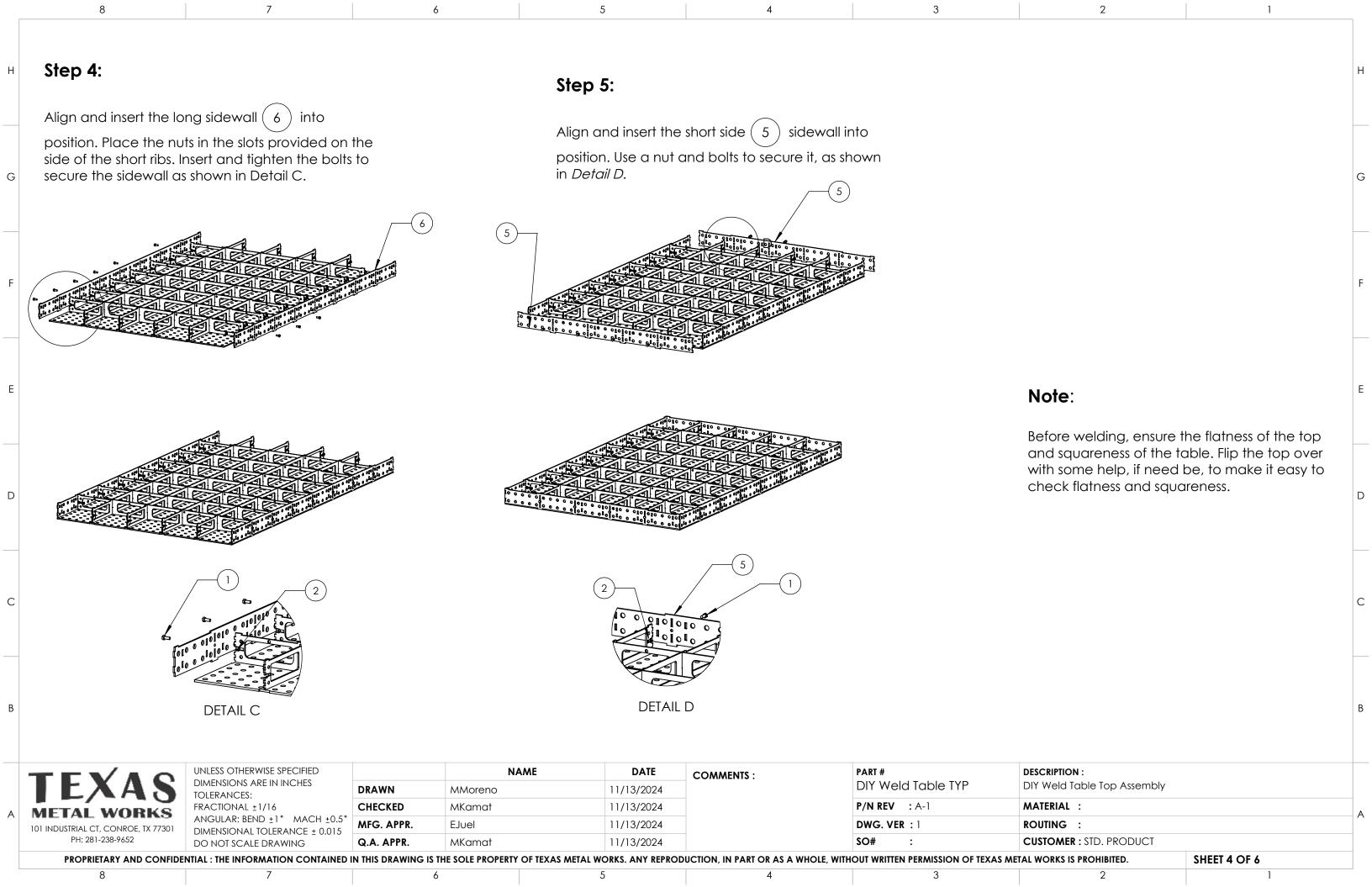
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SHEET 2 OF 6

Step 1: Step 3: Step 2: Place the top plate (4) on 4x4s or anything that Once the ribs are in place, insert nuts (2) Align the short rib (7)in the slots with the cutout on the long rib. elevates the top, to allow reaching under the top. Insert Ensure all ribs are fully seated. provided on the short ribs (7). Next, reaching under the the long rib plates (8) into the designated cutouts, Repeat for all the short ribs. top, screw in the bolts (1). Tighten the bolts beginning ensuring they fit snugly and align with the edges. from the center and moving your way out. DETAIL A NAME DATE PART# **DESCRIPTION: COMMENTS:** DIY Weld Table TYP DIY Weld Table Top Assembly DRAWN 11/13/2024 MMoreno **P/N REV** : A-1 MATERIAL: **CHECKED** MKamat 11/13/2024 ANGULAR: BEND  $\pm 1$ ° MACH  $\pm 0.5$ ° MFG. APPR. 11/13/2024 DWG. VER: 1 ROUTING : EJuel DIMENSIONAL TOLERANCE ± 0.015 **CUSTOMER: STD. PRODUCT** 11/13/2024 Q.A. APPR. PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TEXAS METAL WORKS. ANY REPRODUCTION, IN PART OR AS A WHOLE, WITHOUT WRITTEN PERMISSION OF TEXAS METAL WORKS IS PROHIBITED. SHEET 3 OF 6

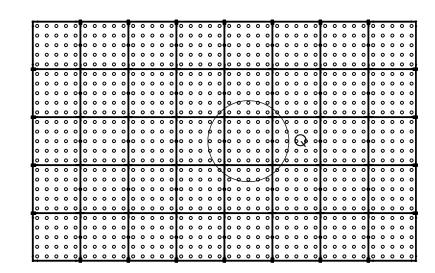
3

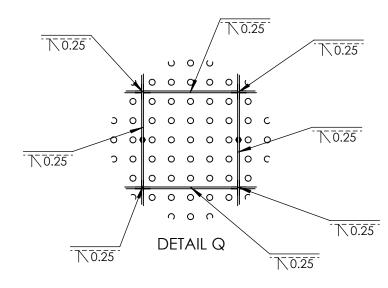
2



Once the flatness is checked, it is time to weld. Place 8 "heavy" tack welds in each section, ensuring that the ribs are welded to the top plate at each point. The key is to weld it enough that it's strong, but not too much so as not to inject too much heat and cause warpage.

7





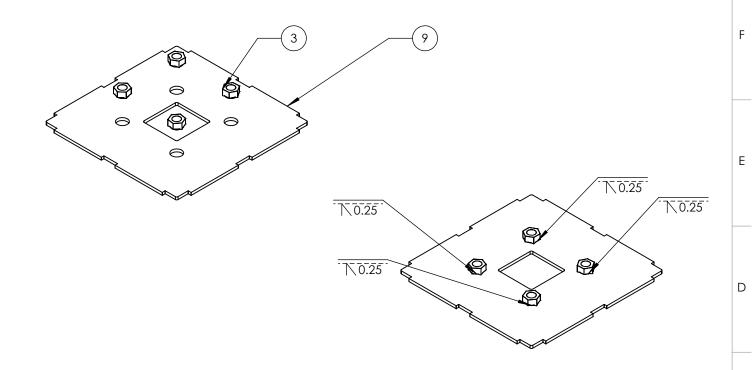
Weld all sections that do not have bolt to secure them permanently.

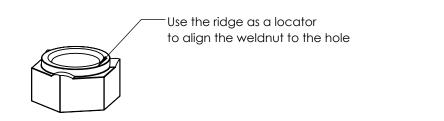
Then, remove each bolt one by one, welding each joint as you go to ensure a solid assembly.

## Step 7:

Prepare the leg plates 9 by positioning the weld nuts 3 in the holes, ensuring proper alignment. Secure the weld nuts with 3 tack welds around the nut. Weld nuts must be on the inside of the table as shown in Step 8.

**Note**: Weld nuts must be positioned on the inner side of the table frame. Excessive welding on the weld nut is not necessary as it may compromise alignment.





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		NAME	DATE	COMMENTS:
ō°	DRAWN	MMoreno	11/13/2024	
	CHECKED	MKamat	11/13/2024	
	MFG. APPR.	EJuel	11/13/2024	
	Q.A. APPR.	MKamat	11/13/2024	

PART # DIY Weld Table TYP	DESCRIPTION: DIY Weld Table Top Assembly
<b>P/N REV</b> : A-1	MATERIAL:
DWG. VER: 1	ROUTING :
SO# :	CUSTOMER: STD. PRODUCT

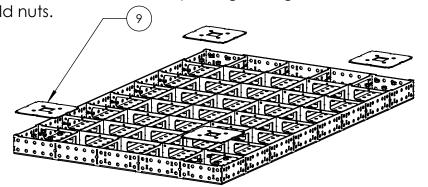
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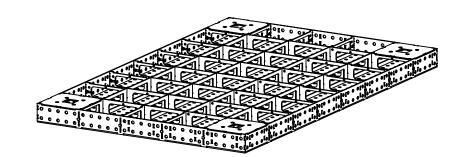
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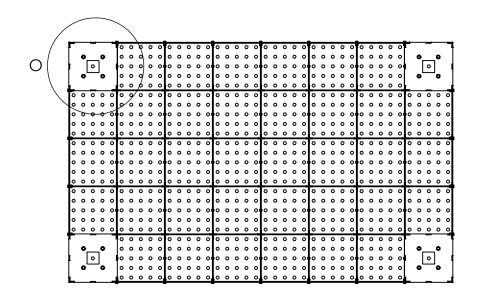
8 7 6 5 4 3 2 1

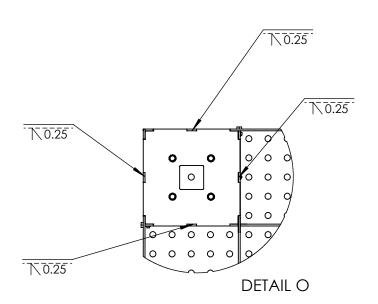
## Step 8:

Position the leg plates with the weld nut on the underside, so the flat surface remains exposed and legs can sit flush with bolts passing through to the weld nuts.









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MFG. APPR.	EJuel	11/13/2024	
Q.A. APPR.	MKamat	11/13/2024	

PART # DIY Weld Table TYP	DESCRIPTION: DIY Weld Table Top Assembly	
<b>P/N REV</b> : A-1	MATERIAL :	
DWG. VER : 1	ROUTING :	′
SO# :	CUSTOMER: STD. PRODUCT	

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8 7 6 5 4 3 2 1