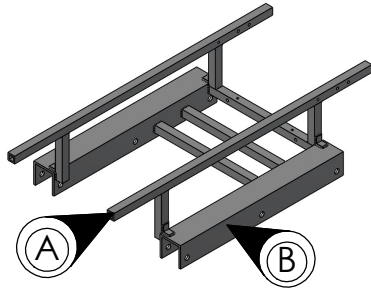


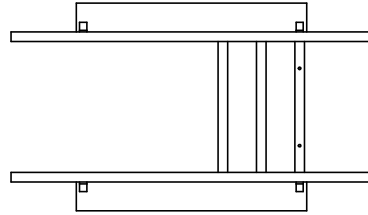
2

1

ISO VIEW



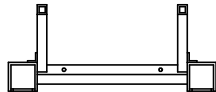
TOP VIEW



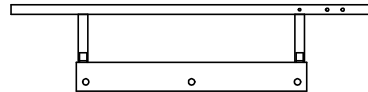
All materials constructed out of below:

- Ⓐ 1" x 1" x 3/16" 6061-T6 Square Tube
- Ⓑ 3" x 3" x 1/4" 6061-T6 Square Tube

FRONT VIEW



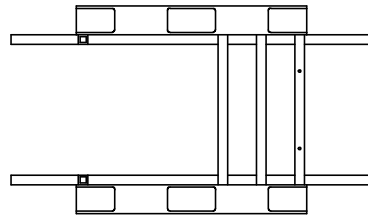
SIDE VIEW



BACK VIEW



BOTTOM VIEW

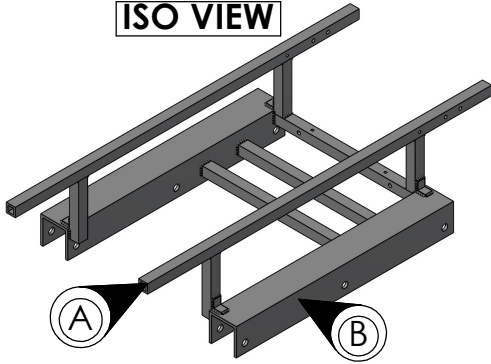


DIMENSIONS ARE IN INCHES	TOLERANCE: + .02	MATERIAL: 6061 Aluminum	<div><div></div>2.</div>	FINISH: Machined	PART QUANTITY: 1	DATE 04/23/2023
TEAM: NMT LUNABOTICS		TECHNICAL REFERENCE: Nick Sheerin			COMMENTS: Side views are symmetrical	
<div><div><div></div><div>M</div></div><div>NEW MEXICO TECH</div><div>SCIENCE • ENGINEERING • RESEARCH • UNIVERSITY</div></div>		TITLE:		SIZE A	SHEET 1 OF 6	
				REV A		
						SCALE: 1:20

2

1

ISO VIEW



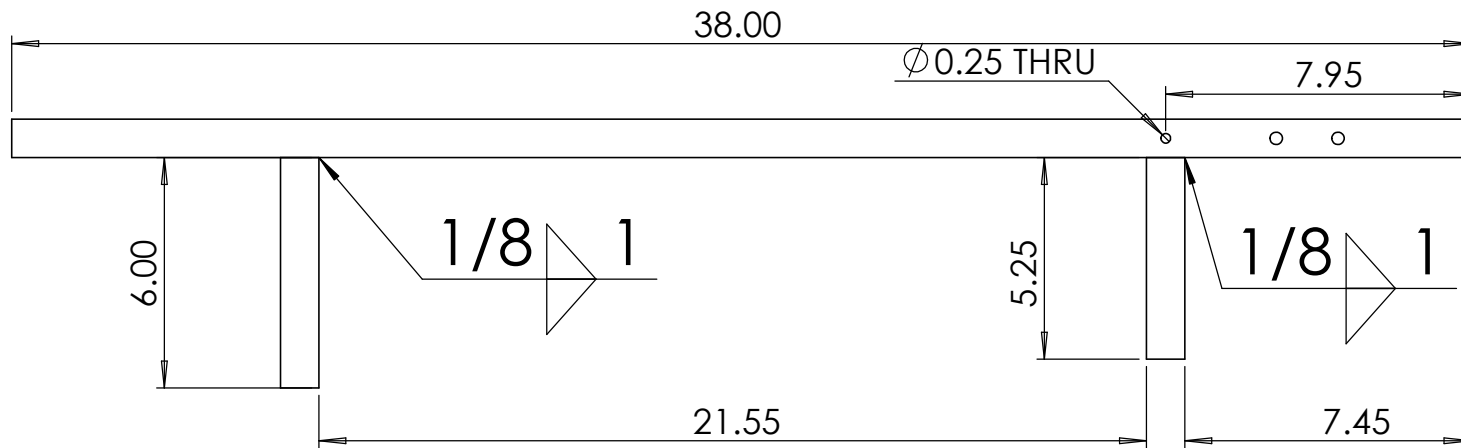
2.


All materials constructed out of below:

Ⓐ 1" x 1" x 3/16" 6061-T6 Square Tube

SIDE VIEW

BACK VIEW

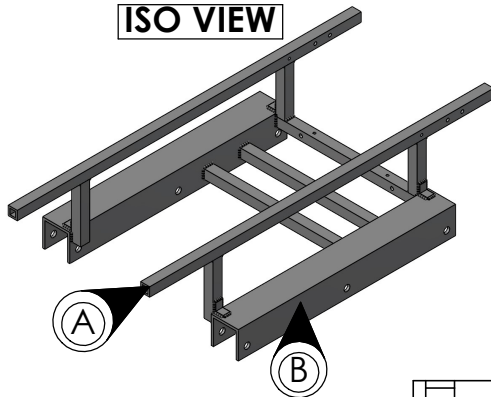


DIMENSIONS ARE IN INCHES		TOLERANCE: All Fillet Welds at least 1/8in	MATERIAL: 6061 Aluminum	2.	FINISH: Machined	PART QUANTITY: 2	DATE 04/23/2023
TEAM: NMT LUNABOTICS			TECHNICAL REFERENCE: Nick Sheerin			COMMENTS: Side views are symmetrical	
 NEW MEXICO TECH SCIENCE • ENGINEERING • RESEARCH • UNIVERSITY			TITLE: Top Bar and Supports			SIZE A	SHEET 2 OF 6
						REV A	
						SCALE: 1:5	

2

1

ISO VIEW

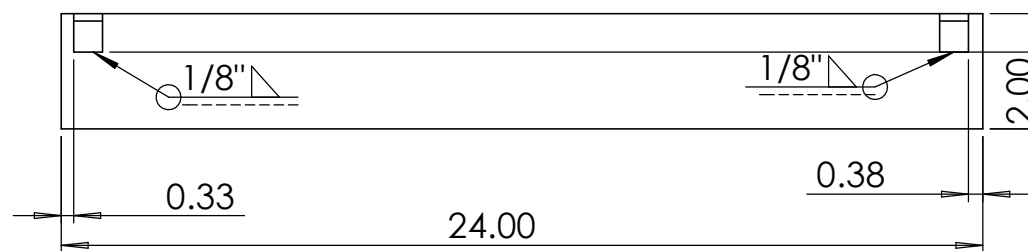


2.

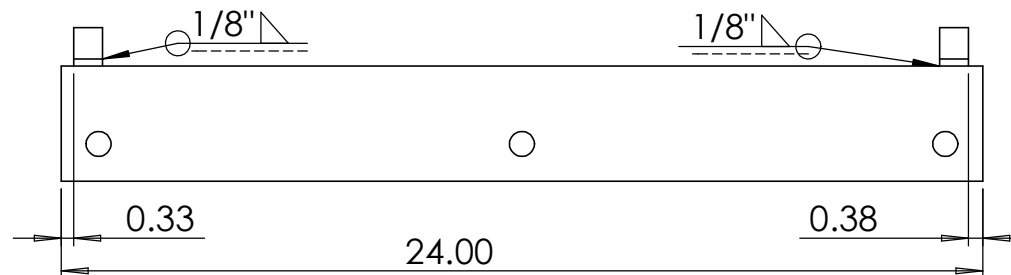
All materials constructed out of below:

- Ⓐ 1" x 1" x 3/16" 6061-T6 Square Tube
 Ⓑ 3" x 3" x 1/4" 6061-T6 Square Tube

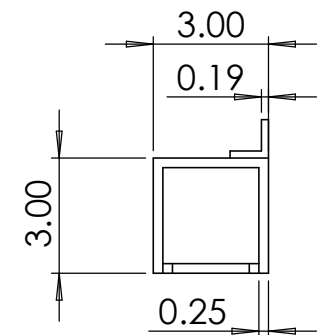
TOP VIEW




SIDE VIEW



BACK VIEW

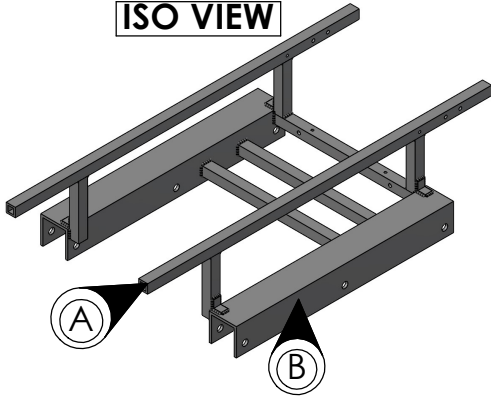


DIMENSIONS ARE IN INCHES		TOLERANCE: All Fillet Welds at least 1/8in	MATERIAL: 6061 Aluminum	2.	FINISH: Machined	PART QUANTITY: 2	DATE 04/23/2023
TEAM: NMT LUNABOTICS		TECHNICAL REFERENCE: Nick Sheerin				COMMENTS: Side views are symmetrical	
 NEW MEXICO TECH SCIENCE • ENGINEERING • RESEARCH • UNIVERSITY		TITLE: Bogie Wheels and L brackets				SCALE: 1:5	SHEET 3 OF 6
						SIZE A	
						REV A	

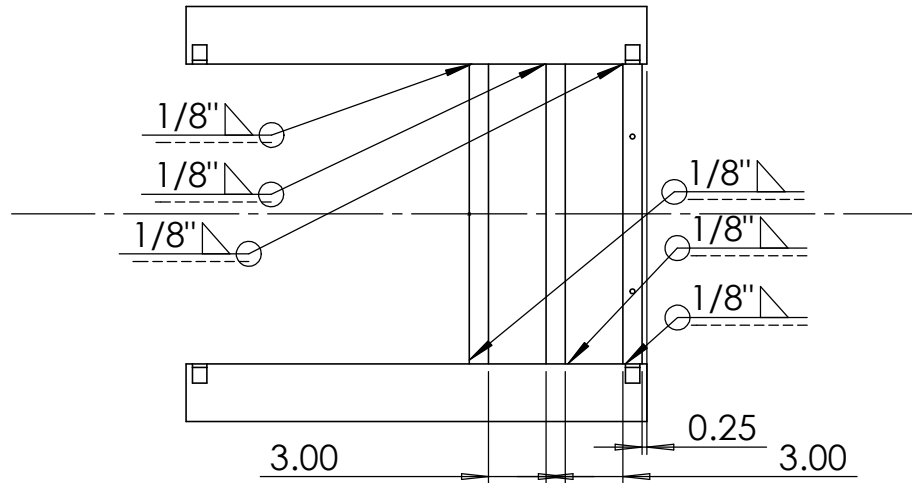
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1

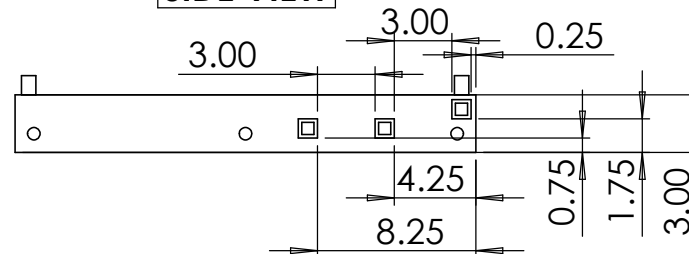
ISO VIEW



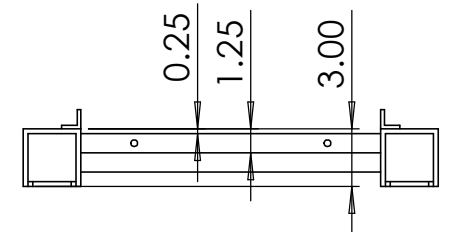
TOP VIEW



SIDE VIEW

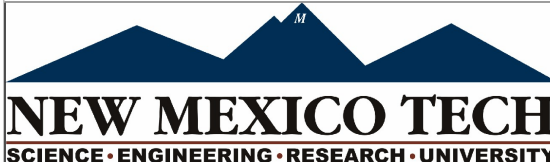


BACK VIEW



All materials constructed out of below:

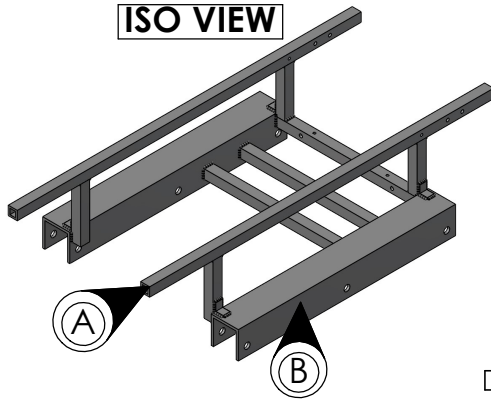
- Ⓐ 1" x 1" x 3/16" 6061-T6 Square Tube
- Ⓑ 3" x 3" x 1/4" 6061-T6 Square Tube

DIMENSIONS ARE IN INCHES		TOLERANCE: All Fillet Welds at least 1/8in	MATERIAL: 6061 Aluminum	2.	FINISH: Machined	PART QUANTITY: 1	DATE 04/23/2023
TEAM: NMT LUNABOTICS		TECHNICAL REFERENCE: Nick Sheerin				COMMENTS: Side views are symmetrical	
 NEW MEXICO TECH SCIENCE • ENGINEERING • RESEARCH • UNIVERSITY		TITLE: Bottom Bracing			SIZE A	SCALE: 1:10	
					REV A	SHEET 4 OF 6	

2

1

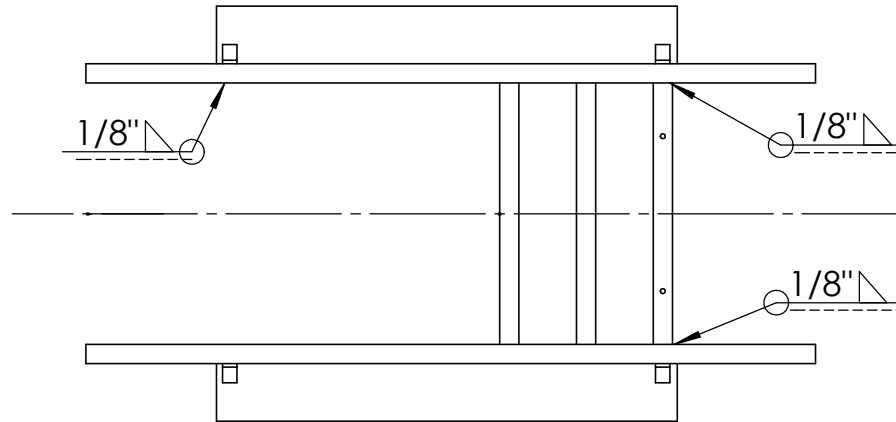
ISO VIEW



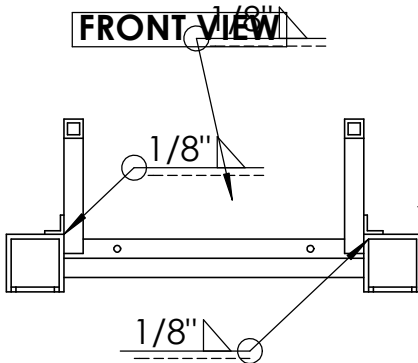
2.

- All materials constructed out of below:
- Ⓐ 1" x 1" x 3/16" 6061-T6 Square Tube
 - Ⓑ 3" x 3" x 1/4" 6061-T6 Square Tube

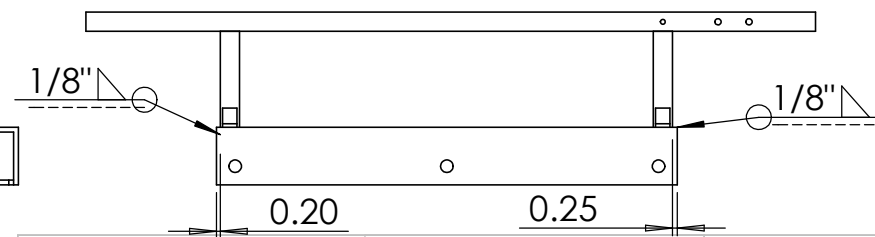
TOP VIEW



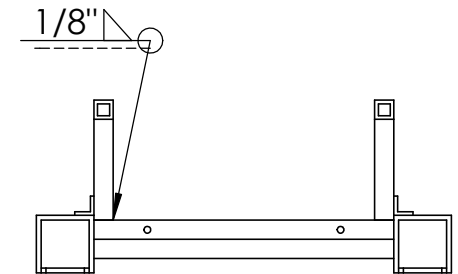
FRONT VIEW




SIDE VIEW



BACK VIEW

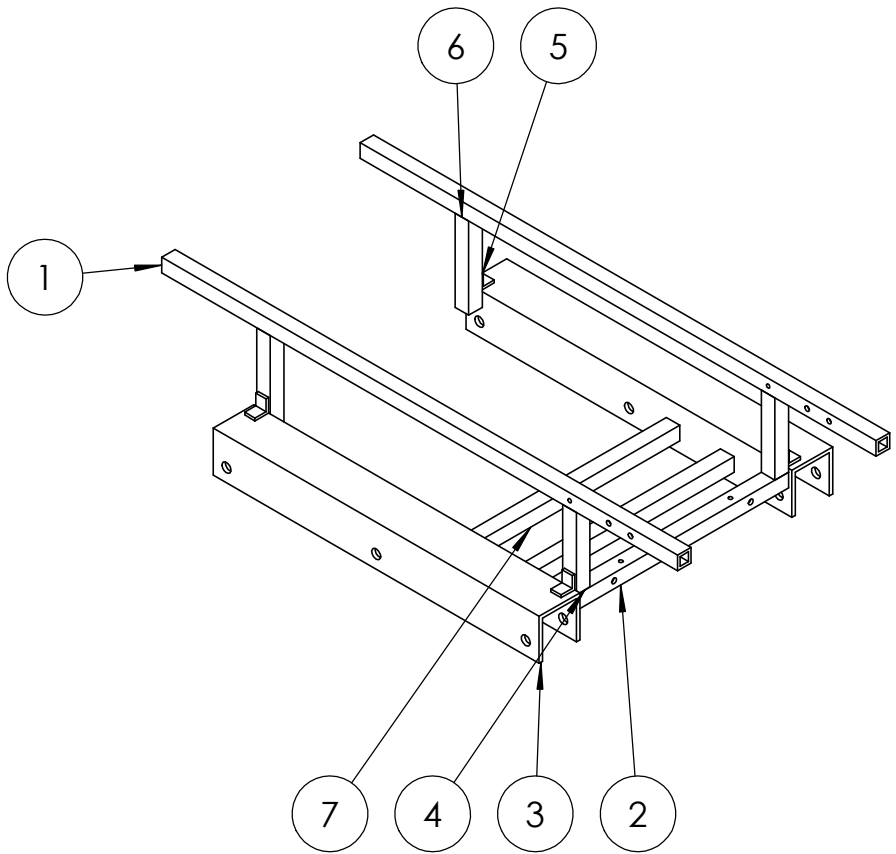


DIMENSIONS ARE IN INCHES		TOLERANCE: All Fillet Welds at least 1/8in	MATERIAL: 6061 Aluminum	2.	FINISH: Machined	PART QUANTITY: 1	DATE 04/23/2023
TEAM: NMT LUNABOTICS		TECHNICAL REFERENCE: Nick Sheerin				COMMENTS: Side views are symmetrical	
 NEW MEXICO TECH SCIENCE • ENGINEERING • RESEARCH • UNIVERSITY		TITLE: Fully Welded Components				SIZE A	SHEET 5 OF 6
						REV A	
						SCALE: 1:10	

2

1

ITEM NO.	Vendor	PART NUMBER	DESCRIPTION	QTY.
6	McMaster-Carr Supply Company	6546K342	6IN SIDE BRACING	2
5	McMaster-Carr Supply Company	6546K342	L BRACKET WELD BRACING	4
2	McMaster-Carr Supply Company	6546K342	PIVOT MOUNT AL. RECTANGULAR TUBE	1
3	McMaster-Carr Supply Company	6546K323	BOGIE WHEEL FRAME (3"X3" AL RECTANGULAR TUBE)	2
4	McMaster-Carr Supply Company	6546K342	SIDE BRACING	2
7	McMaster-Carr Supply Company	6546K342	NO HOLE BOTTOM BRACING AL. RECTANGULAR TUBE	2
1	McMaster-Carr Supply Company	6546K342	TOP SUPPORT BARS	2



	NAME	DATE	TEAM: LUNABOTICS 2022-2023	
DRAWN	NWS	05/02/23		
CHECKED	ANW	05/02/23	TYPE: EBOM	ASSY: LOCO SUBASSY
ENG APPR.				
MFG APPR.			TITLE: CHASSIS	
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			SCALE: 1:10	WEIGHT: SHEET 6 OF 6