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Assemble the 12 items together as shown without tightening down any screws. Lay the loose assembly down on a flat surface.

Exact locations of the brackets do not matter yet.

The short red extrusions are for squaring the frame and will be removed later.

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/	1

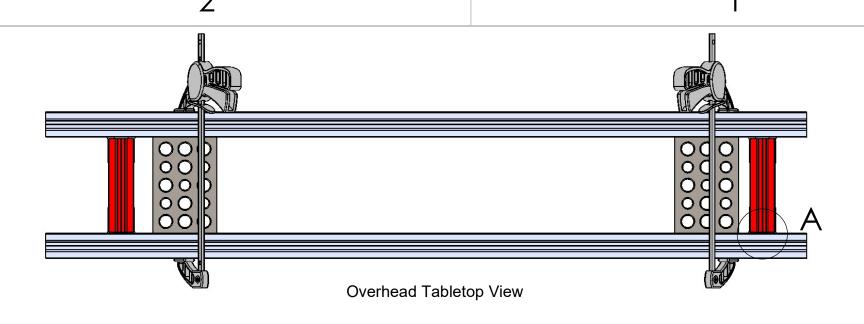
ITEM NO.	DESCRIPTION	QTY.
1	604mm long TSlot Extrusion	2
2	Interior Inside Corner Bracket	8
3	74mm Temporary TSlot Extrusion for Squaring	2

	Upper	r Frame Squaring Setup		
2	<b>(i)</b>	Created by:	last edited:	
:c)_	$\overline{\mathbf{U}}$	Joshua Vasquez	12/25/201	

Joshua Vasquez 12/25/2019

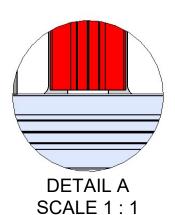
SCALE: 1:4 SHEET 2 OF 11

2



Slide two 1-2-3 Blocks into the frame on either side and loosely clamp the entire setup together as shown above.

Notice that the red extrusions will be loose. This is intentional as they are not being used as references to square the frame. In this configuration, the frame is "square" using the 1-2-3 Blocks as a reference.



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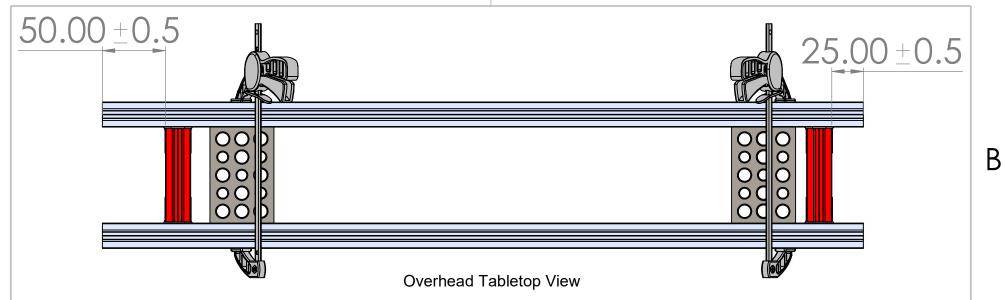
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Upper Frame Bracket Registration		
Created by: last edited:  Joshua Vasquez 12/25/2019		
	SCALE: 1:3	SHEET 3 OF 11

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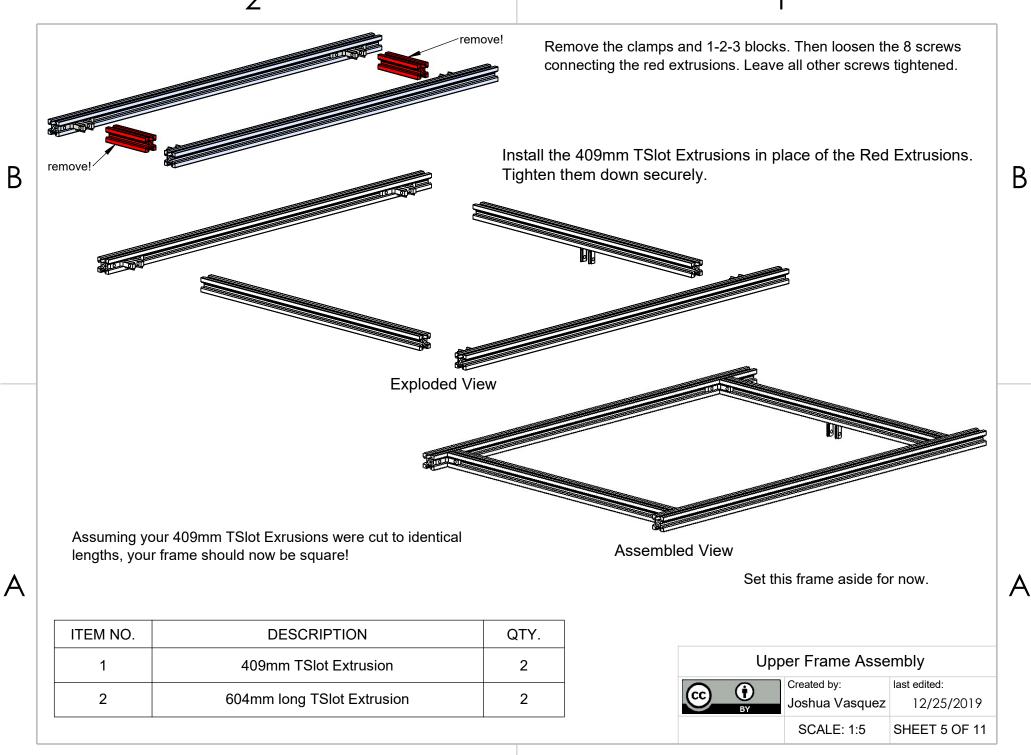




Using Calipers as a reference, adjust the red extrusions such that they match the dimensions shown above. Note that bracing the entire assembly against a loose extrusion may make this dimension easier to measure as shown below. When they are in the proper location, fasten down all 16 screws in the inside corner brackets. This procedure will "set" the brackets in the correct location.



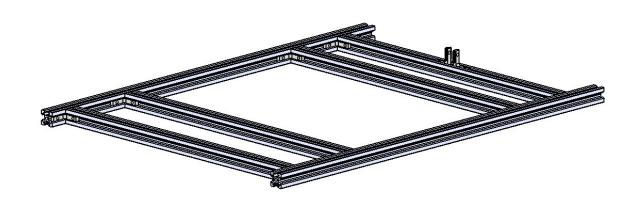
	Upper Frame Bracket Fixturing		
(32)	BY	Created by: Joshua Vasquez	last edited: 12/25/2019
		SCALE: 1:3	SHEET 4 OF 11



Like before, assemble the entire lower frame without fastening down any set screws.

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ITEM NO.	DESCRIPTION	QTY.
1	409mm TSlot Extrusion	4
2	604mm long TSlot Extrusion	2
3	Interior Inside Corner Bracket	18

Lower Frame Loose Assembly				
<u>cc</u>	Created by: last edited:  Joshua Vasquez 12/25/201			
		SCALE: 1:5	SHEET 6 OF 11	

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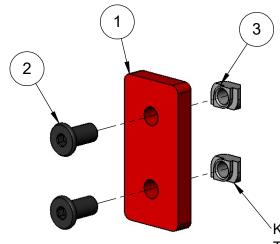
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Make 8 of the following assemblies.

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Keep these T-Nuts Loose; only two full turns. They will be tightened into the frame later.

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ITEM NO.	DESCRIPTION	QTY.
1	Outer Frame Squaring Plate	8
2	M5 Buttonhead Screw, 10mm long	16
3	M5 Drop-In T-Nut for 20x20 Extrusion	16

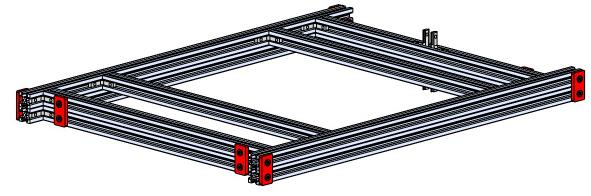
Squaring Bracket Assembly			
(32)	<b>(i)</b> BY	Created by: Joshua Vasquez	last edited: 12/25/2019
		SCALE: 1:1	SHEET 7 OF 11

Join the prior frame with the loose frame "back-to-back" such that the dangling corner brackets do not interfere with each other. Then install the 8 plate assemblies into the corner and tighten them down such that the frame is "pulled" into the shape by the frame from the prior step.

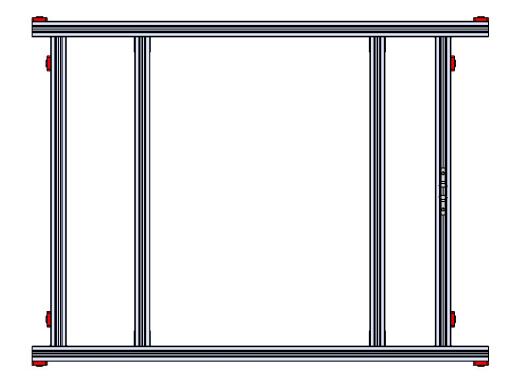
Note: This process is made easier by dangling the frame over a table such that the corner brackets do not prevent the frame from resting flat on

the table surface.

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Clamp down the outer frame with the temporary red plates as shown below. This step will pull the lower frame into a configuration that matches the upper frame. Then clamp down the setscrews in the outer frame extrusions. (The inner extrusions will be clamped down later.)



Upper/Lower Frame Registration			
(00)	<b>()</b> BY	Created by: Joshua Vasquez	last edited: 12/25/2019
		SCALE: 1:5	SHEET 8 OF 11

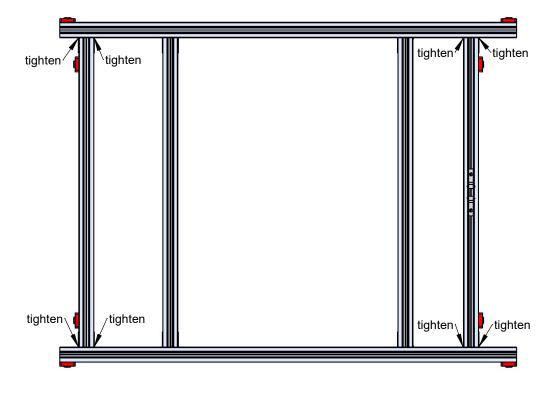
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Now tighten down the setscrews in the outer frame extrusions on the frame that is still loose. (The inner extrusions will be clamped down later.)

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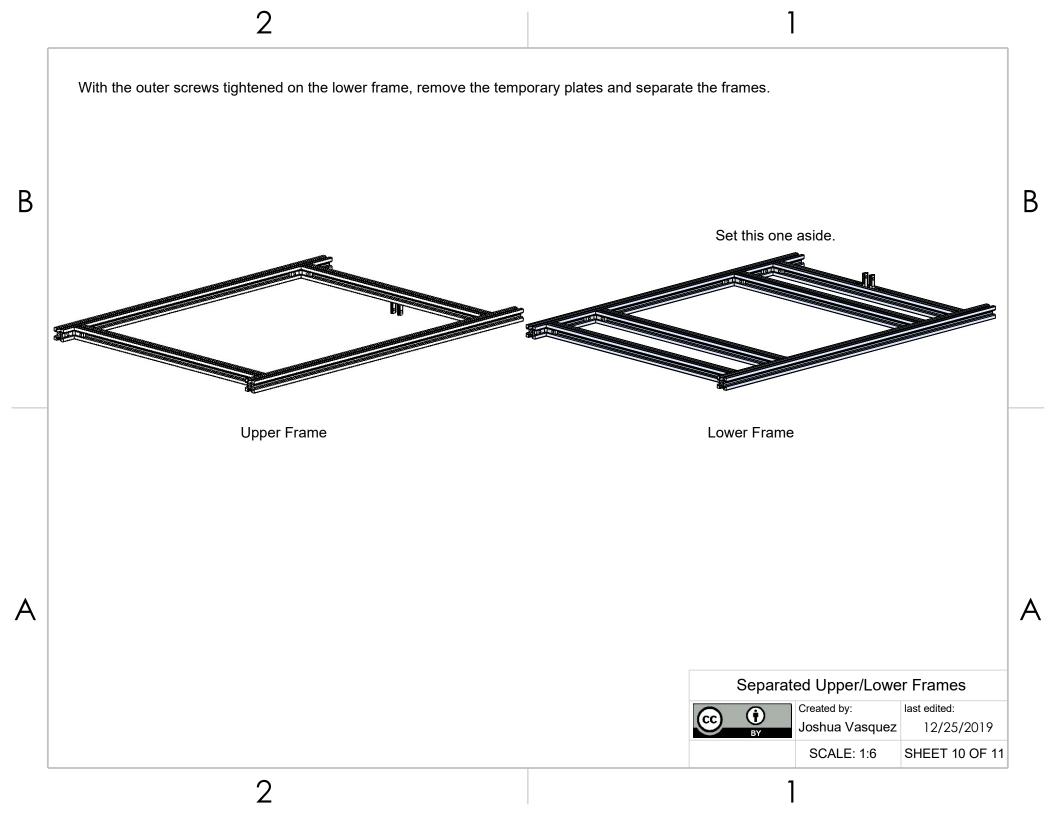


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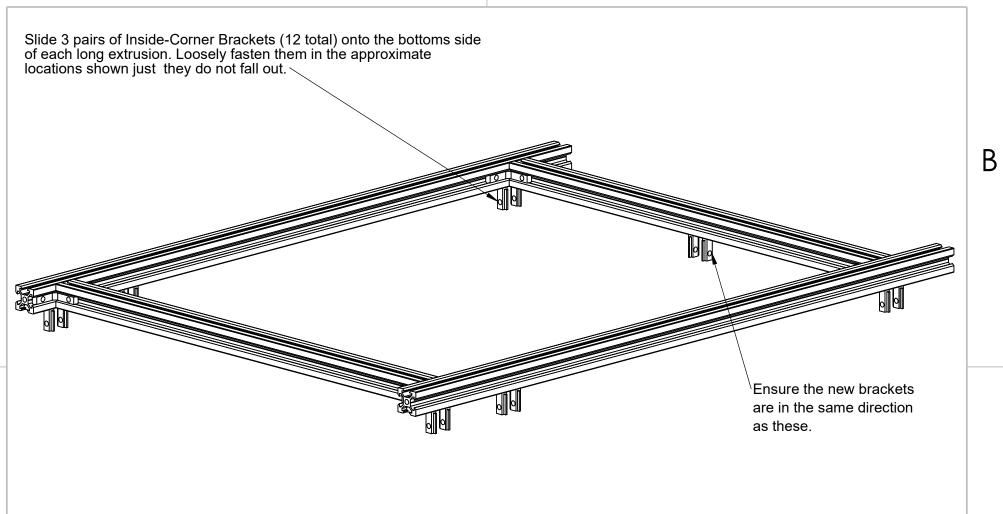
Lower Frame Bracket Fixturing			
(00)	$\bigcirc$	Created by:	last edited:
	BY	Joshua Vasquez	12/25/2019
		SCALE: 1:5	SHEET 9 OF 11

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ITEM NO.	DESCRIPTION	QTY.
3	Interior Inside Corner Bracket	12
4	Upper Frame Assembly	1

Upper Frame Bracket Loose Assembly		
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	SCALE: 1:3	SHEET 11 OF 11

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