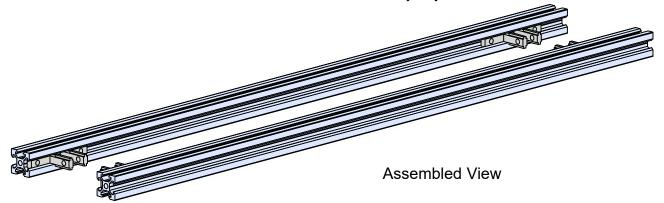


Slide in 8 Inside Corner brackets into each extrusion. Exact locations don't matter just yet.



ITEM NO.	DESCRIPTION	QTY.
1	604mm long TSlot Extrusion	2
2	Interior Inside Corner Bracket	8

Upper Frame Squaring 1/5			
<u>@</u>	<b>(i)</b> BY	Created by: Joshua Vasquez	last edited: 11/5/2020
		SCALE: 1:3	SHEET 3 OF 28

В

2

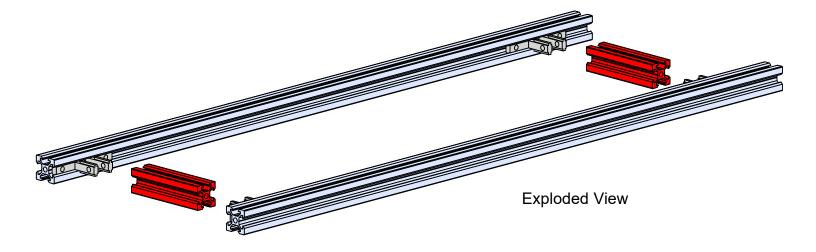
В

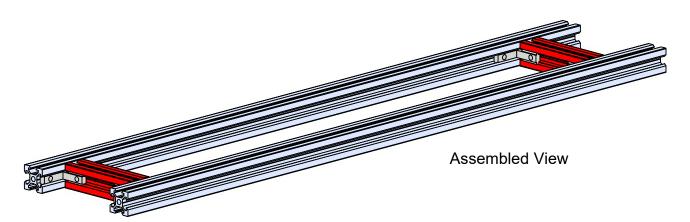
•

В

В

Slide two 74mm extrusions into the outermost brackets, but don't tighten anything.





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

ITEM NO.	DESCRIPTION	QTY.
3	74mm Temporary TSlot Extrusion for Squaring	2

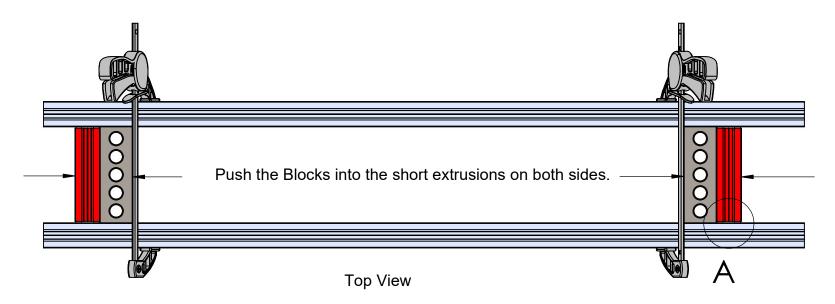
Upper Frame Squaring 2/5				
(00)	<b>(</b> )	Created by: Joshua Vasquez	last edited: 11/5/2020	
		SCALE: 1:3	SHEET 4 OF 28	

2

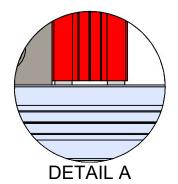
•

В

Slide two Machinist Blocks into the frame on both ends and gently clamp the entire setup together as shown below.



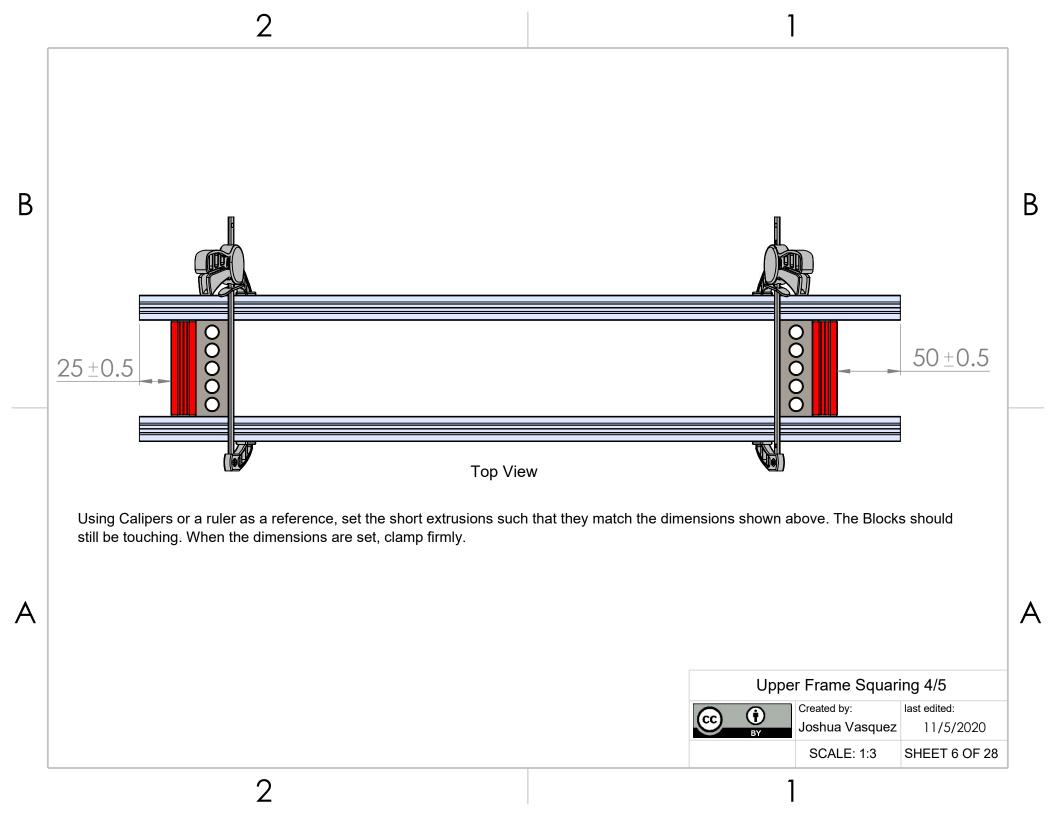
Note that the red extrusions will be loose. This is intentional. In this configuration, the frame is "square" using the 1-2-3 Blocks as a reference.

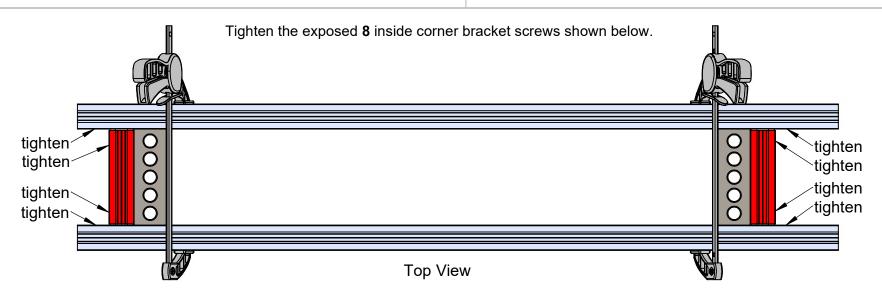


В

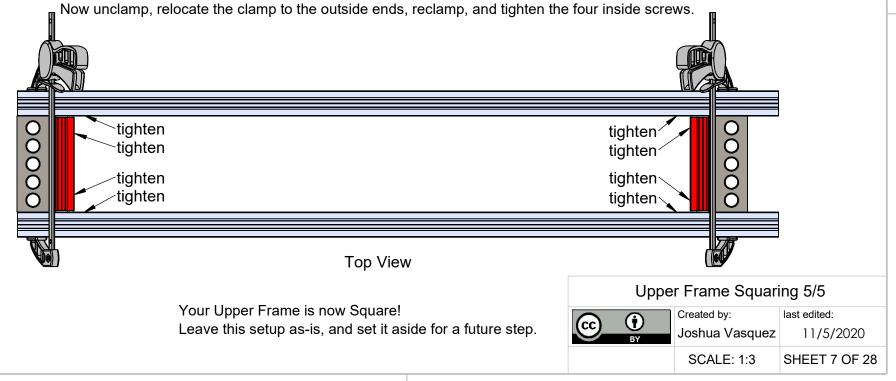
ITEM NO.	DESCRIPTION	QTY.
3	25-50-75mm (or 1-2-3) Machinist Block	2
4	Adjustable Clamp	2

Upper Frame Squaring 3/5				
(00)	<b>(</b> )	Created by: Joshua Vasquez	last edited: 11/5/2020	
		SCALE: 1:3	SHEET 5 OF 28	





Inside Corner Brackets tend to shift as you tighten one of their two screws. When you are close to to tightening one screw, switch off to the other screw such that the clamped assembly sets the position, not the screw.

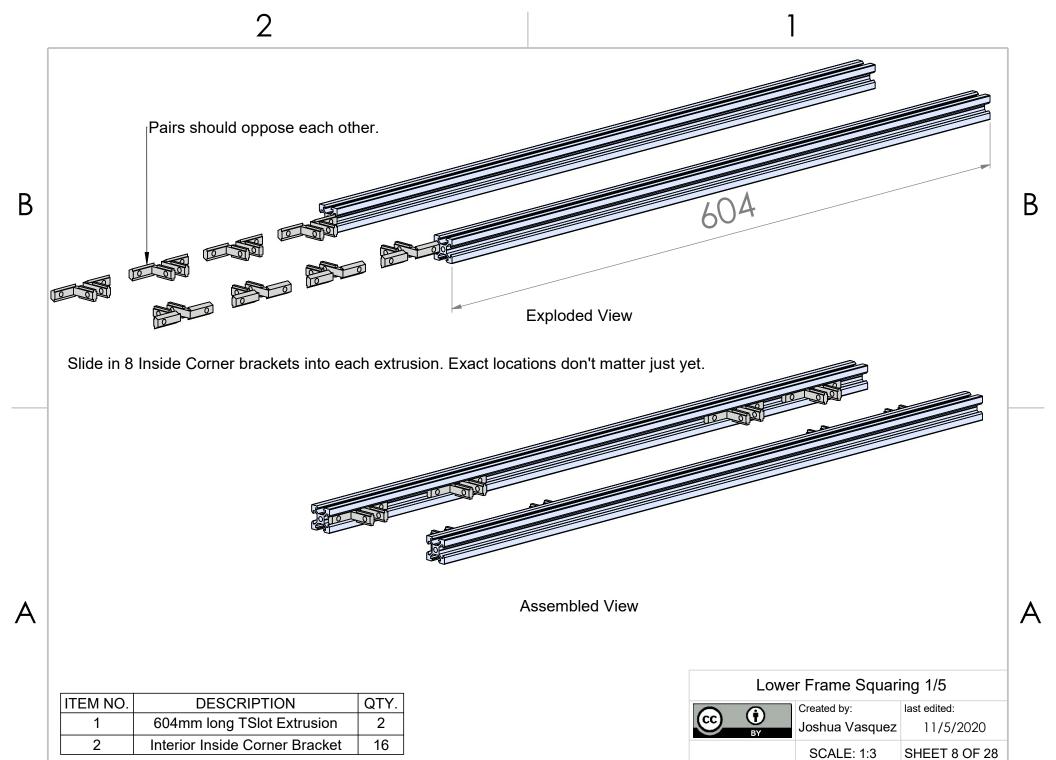


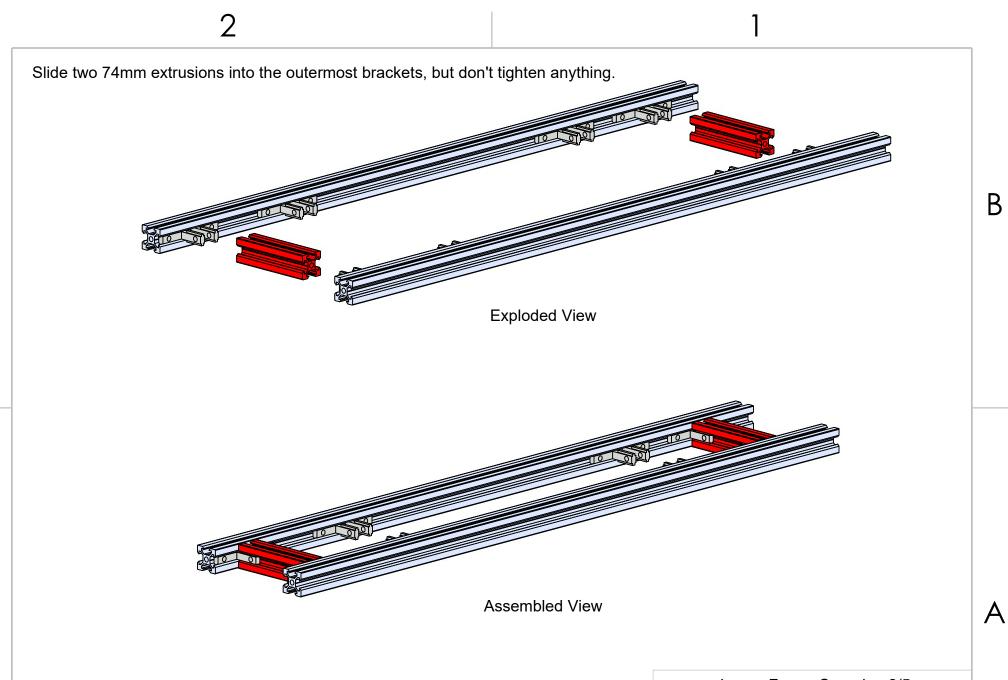
2

В

1

В

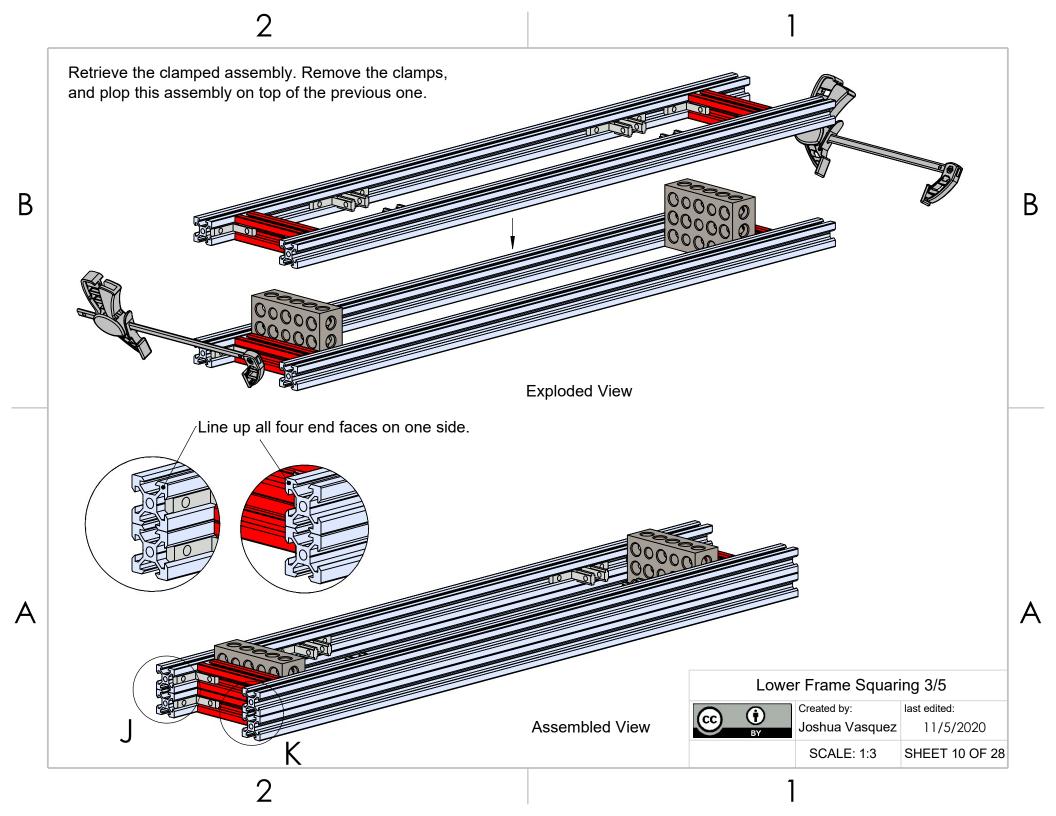


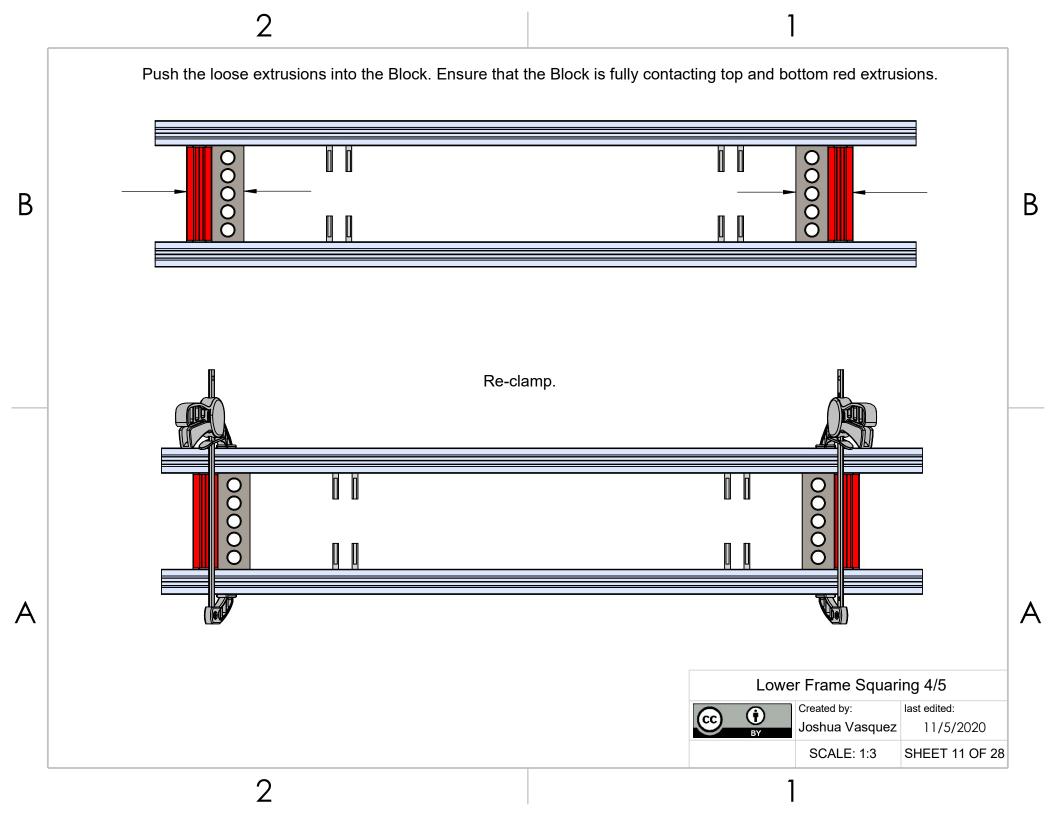


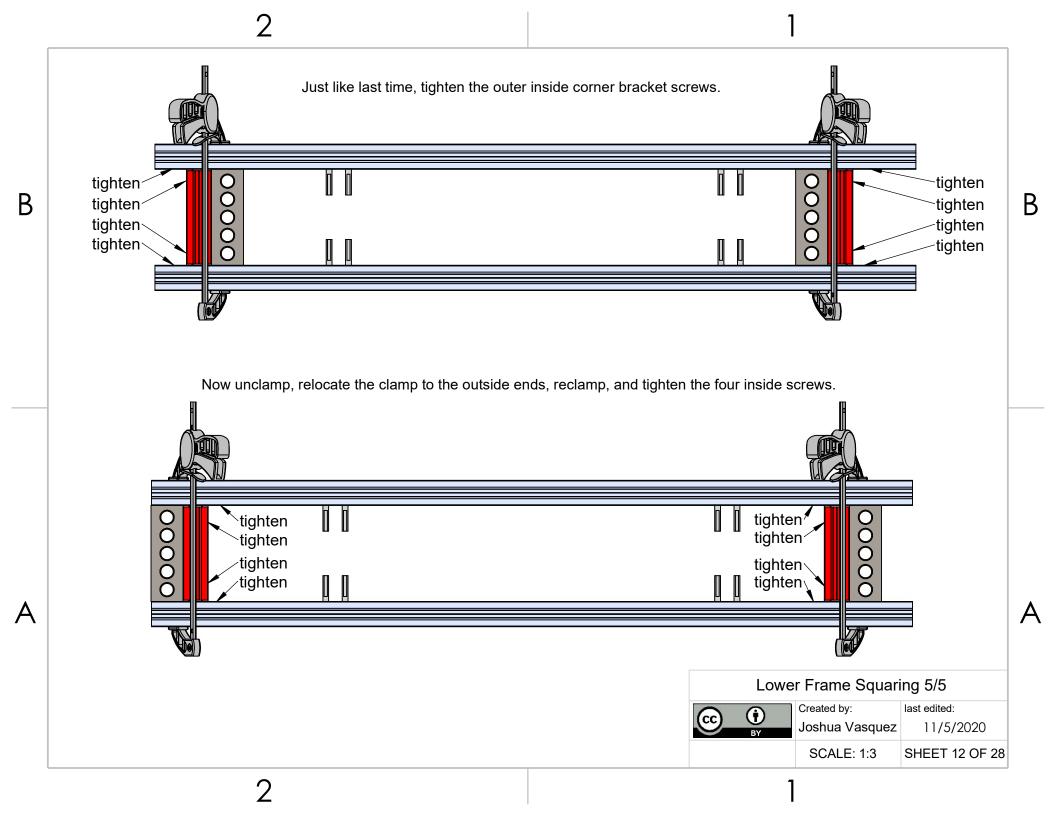
ITEM NO.	DESCRIPTION	QTY.
1	74mm Temporary TSlot Extrusion for Squaring	2

Lower Frame Squaring 2/5			
(33)	<b>(A)</b>	Created by:	last edited:
	ВУ	Joshua Vasquez	11/5/2020
		SCALE: 1:3	SHEET 9 OF 28

В

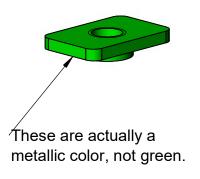




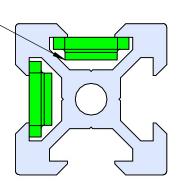


The next few steps involve these M5 Drop-In T Nuts. Thes are directional.

В



The flared side should point into the extrusion.



Each time you install an M5 Stamped T Nut, install it with a backing spring. These springs will prevent the nuts from sliding around unpredictably when you move the assembly. It's also important for some T Nuts that need to be installed partway up a vertical slot.



Stamped T Nut Intro

Created by:
Joshua Vasquez

SCALE: 1:2

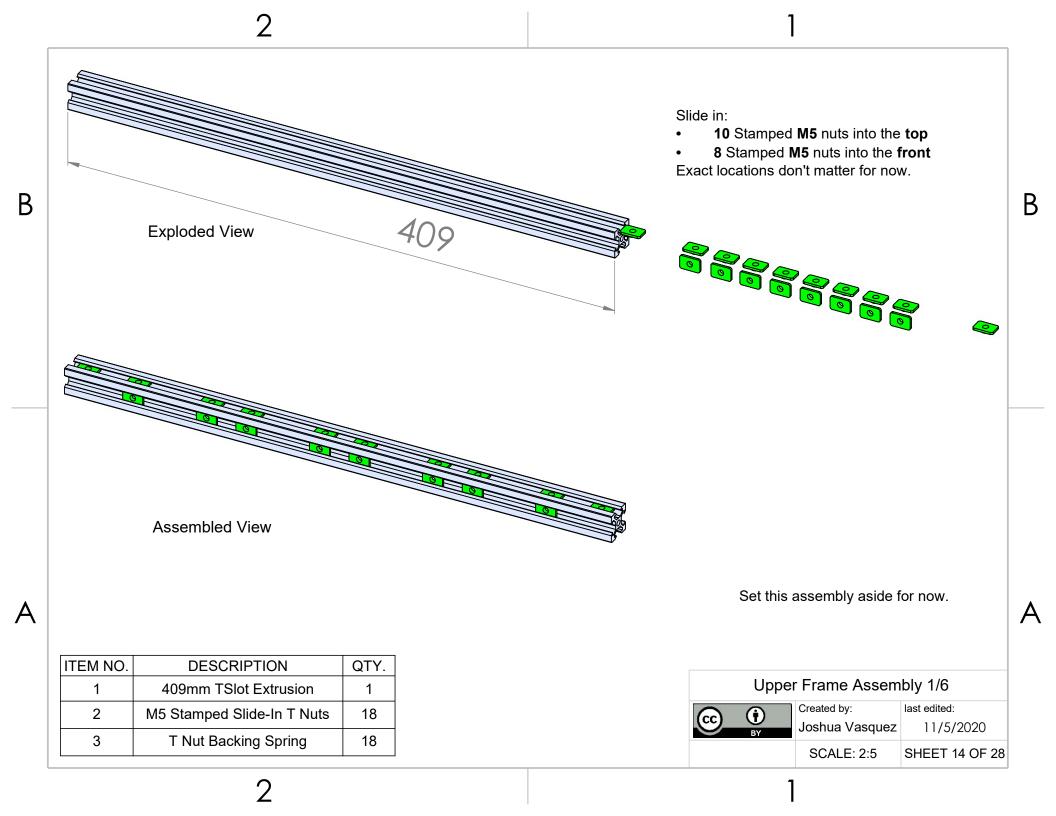
SHEET 13 OF 28

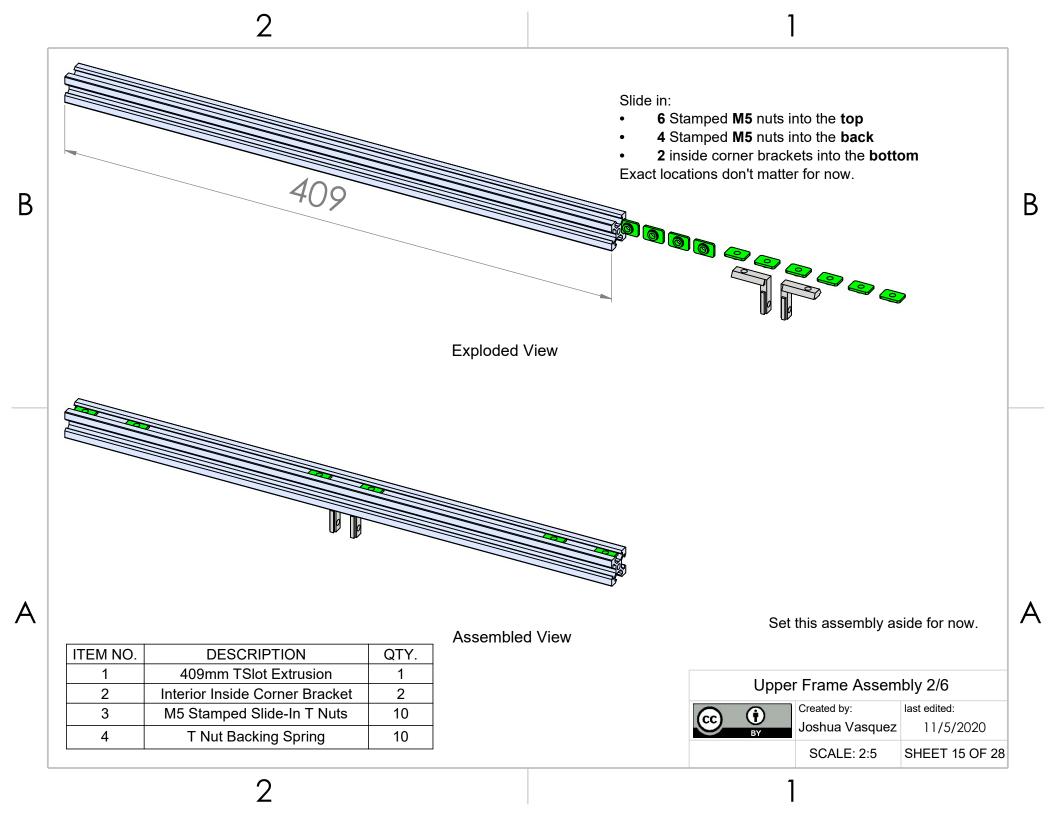
2

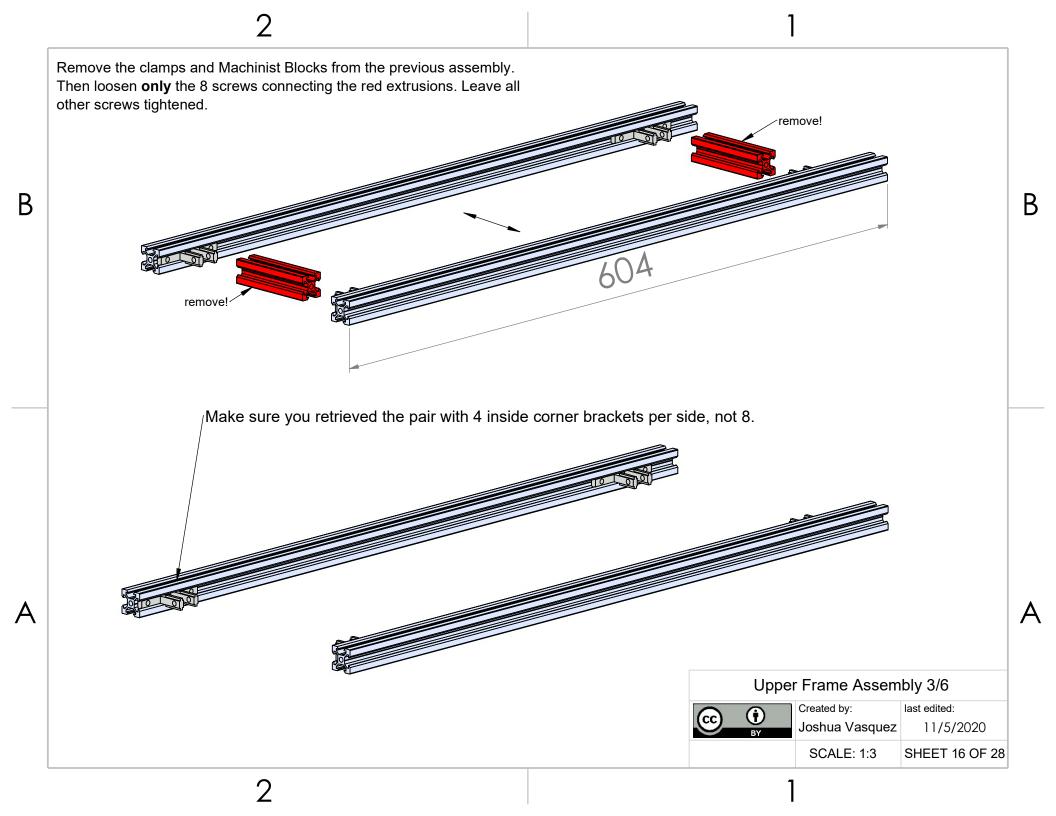
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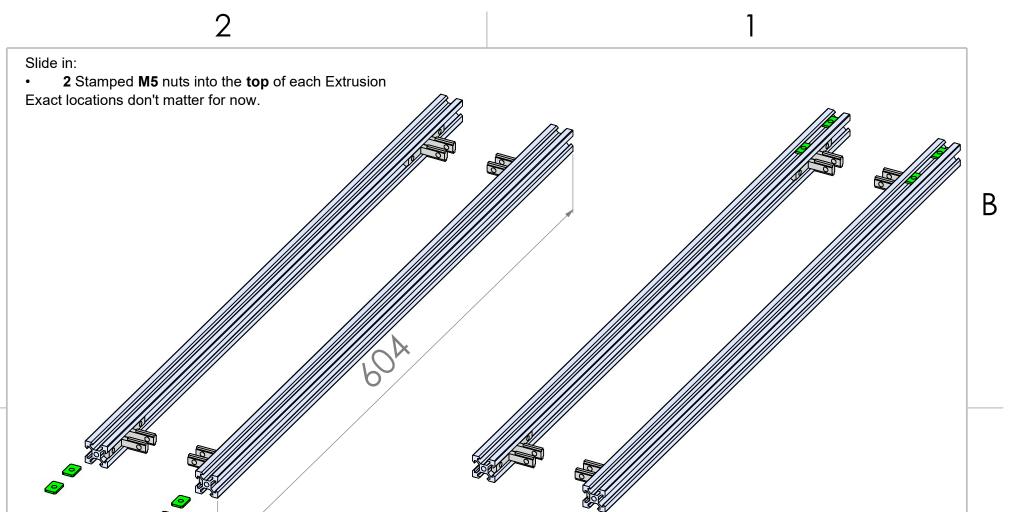
Α

В









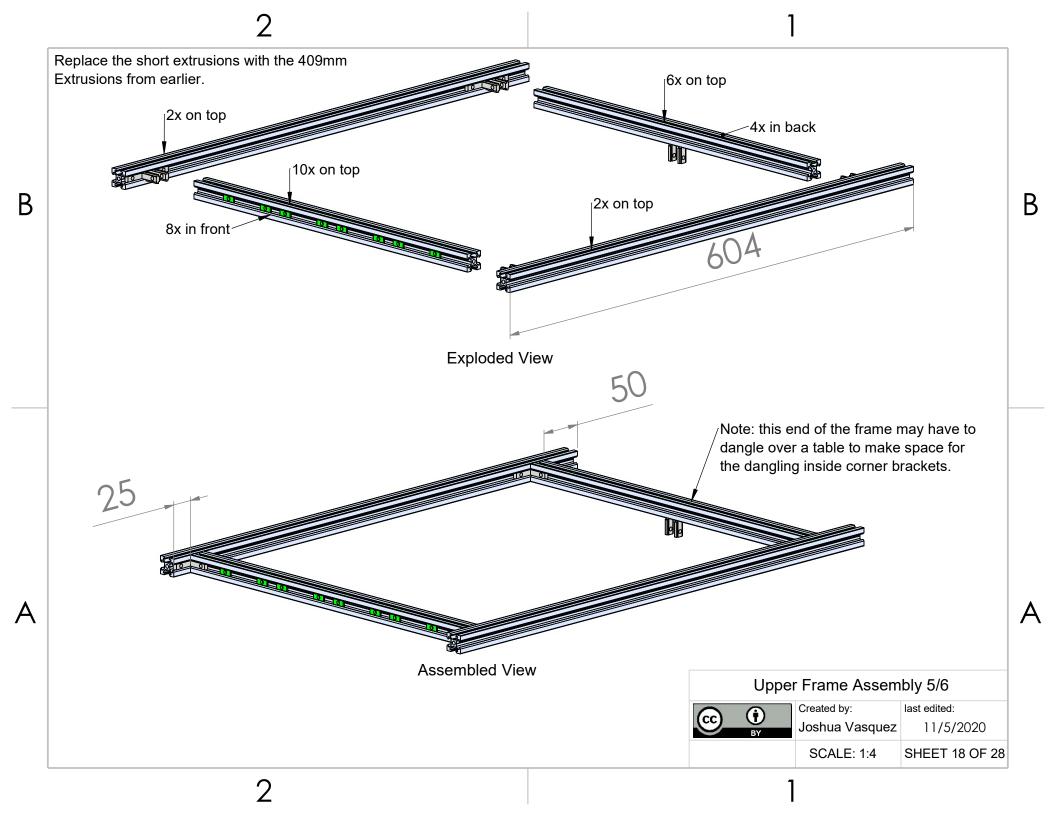
Exploded View

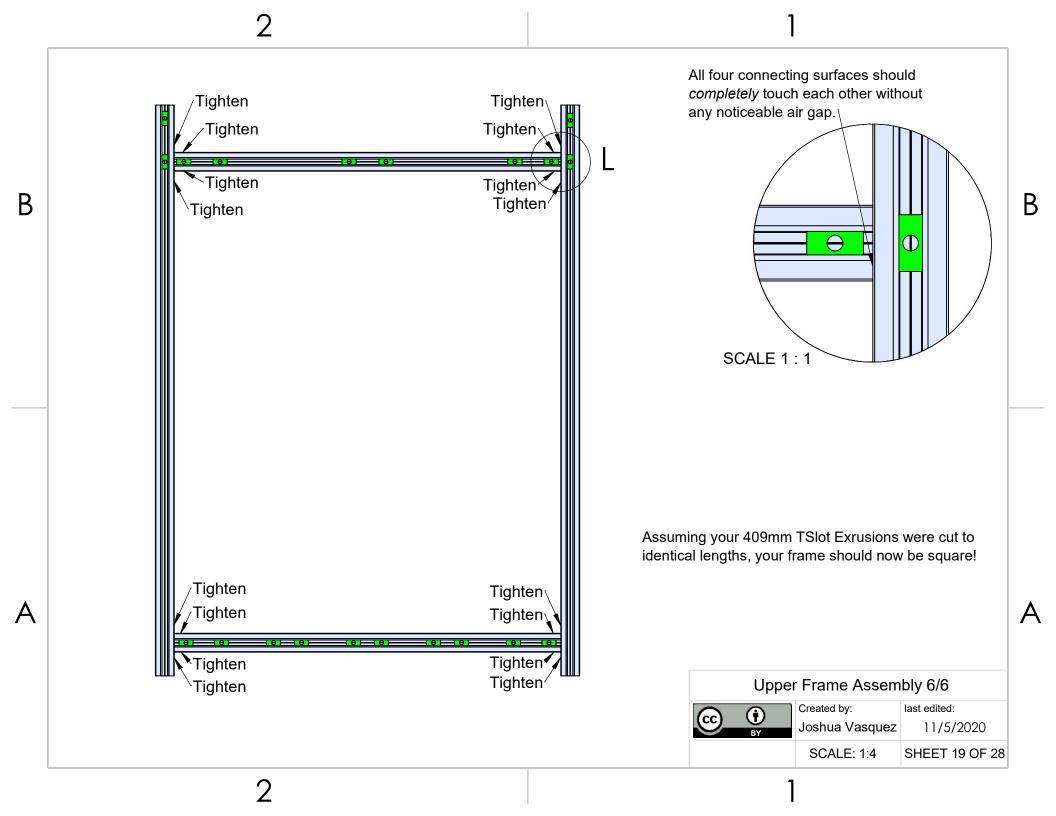
В

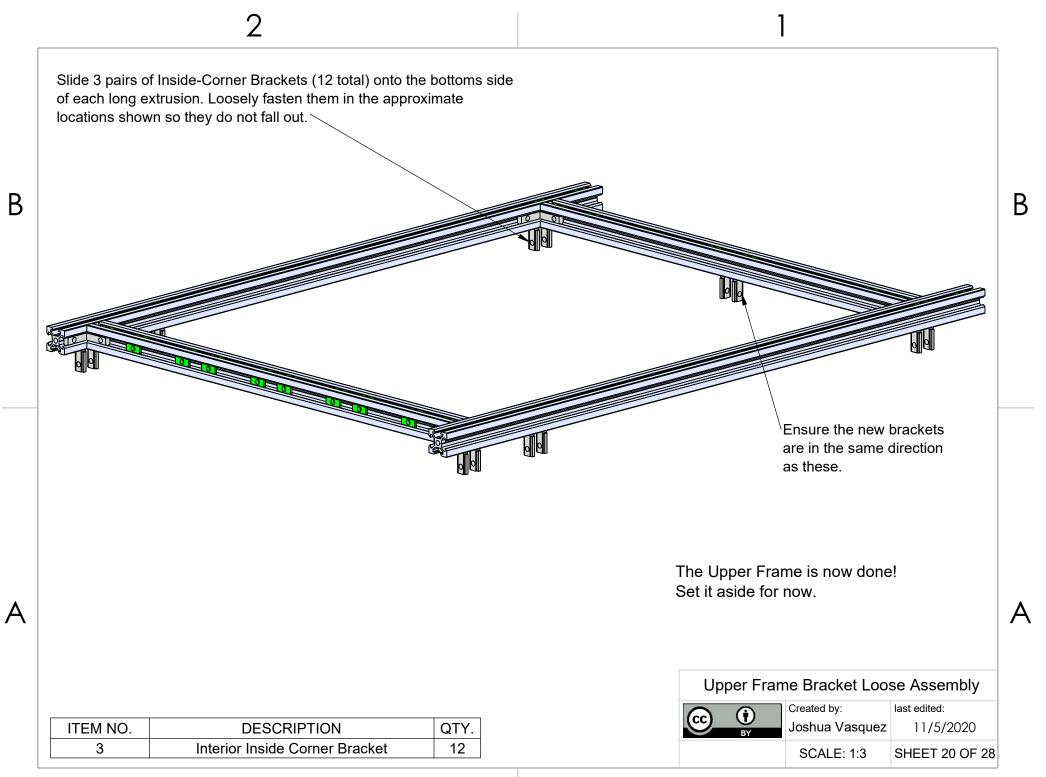
Assembled View

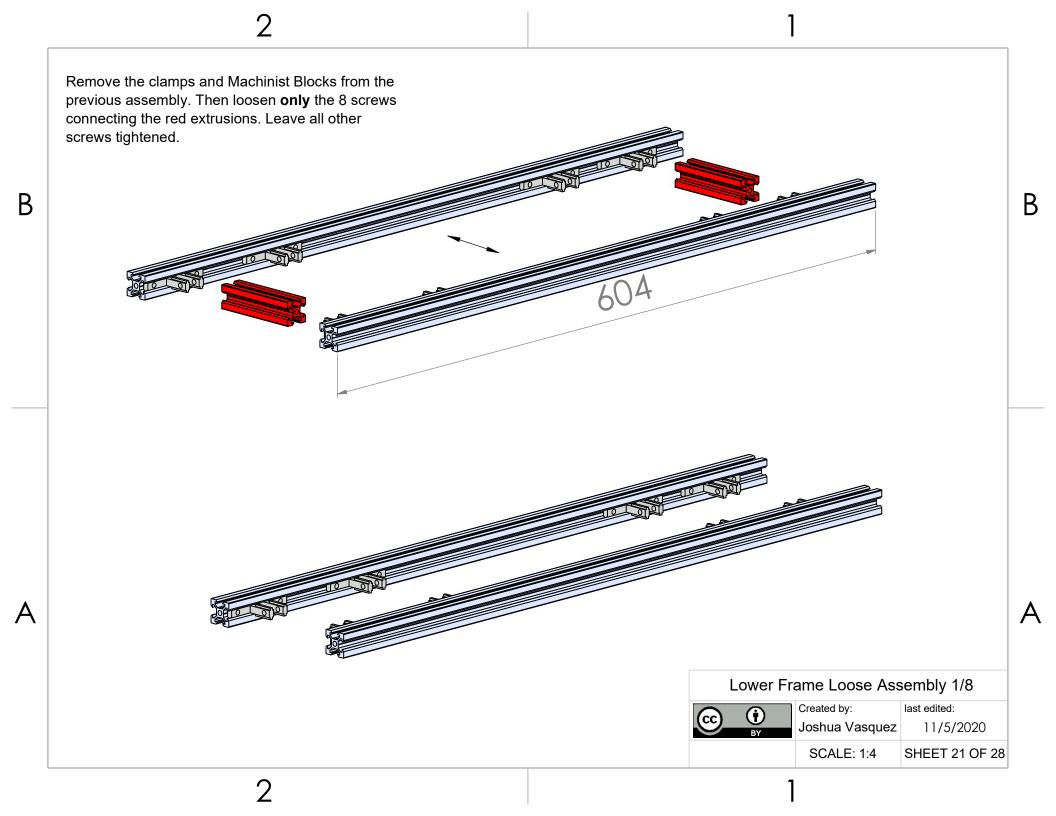
ITEM NO.	DESCRIPTION	QTY.
3	M5 Stamped Slide-In T Nuts	4
4	T Nut Backing Spring	4

Upper Frame Assembly 4/6				
(00)	<b>(i)</b> BY	Created by: Joshua Vasquez	last edited: 11/5/2020	
		SCALE: 1:3	SHEET 17 OF 28	

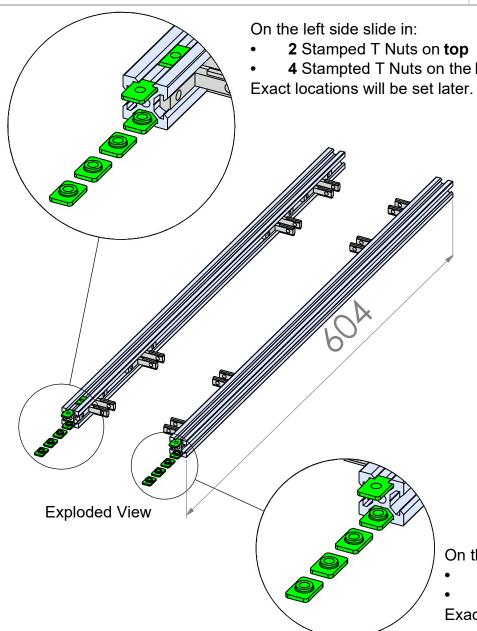












В

- 4 Stampted T Nuts on the bottom

Assembled View

Set these assemblies aside for now.

В

On the right side slide in:

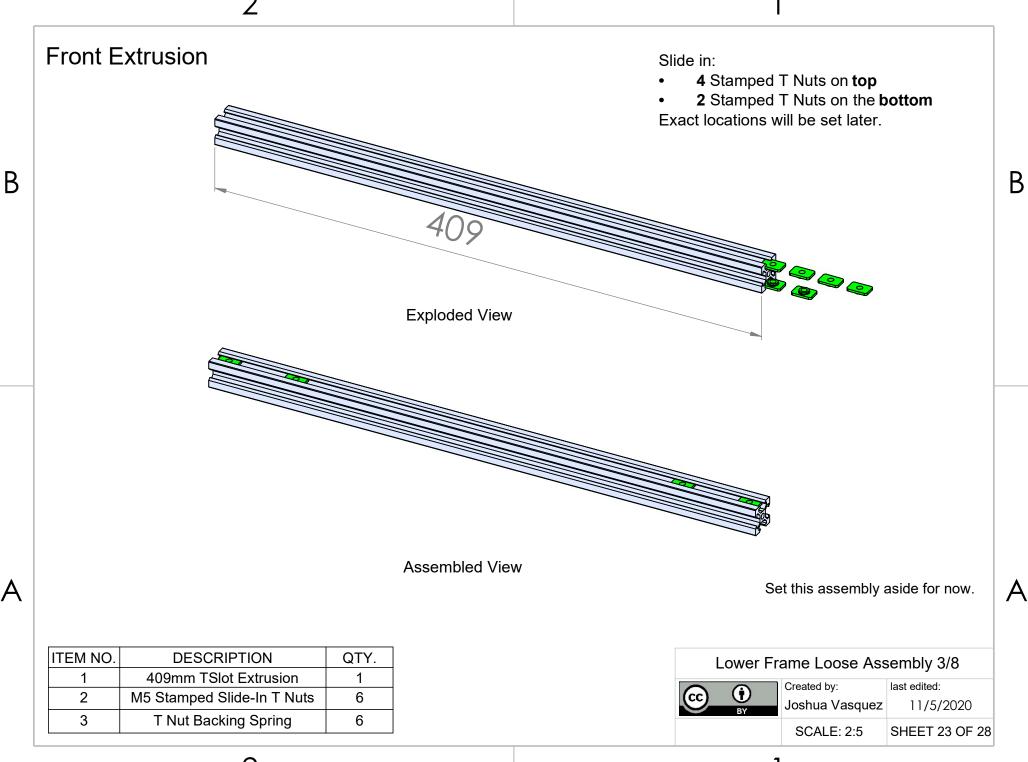
- 1 Stamped T Nut on top
- 4 Stampted T Nuts on the bottom

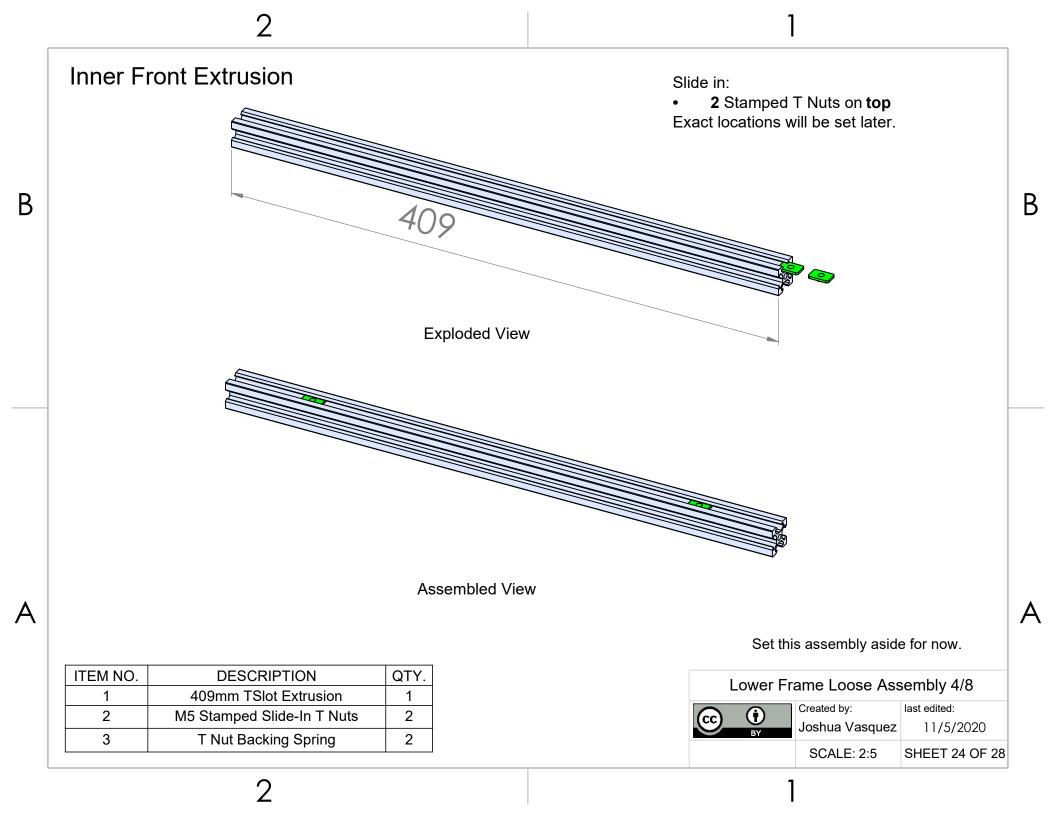
Exact locations will be set later.

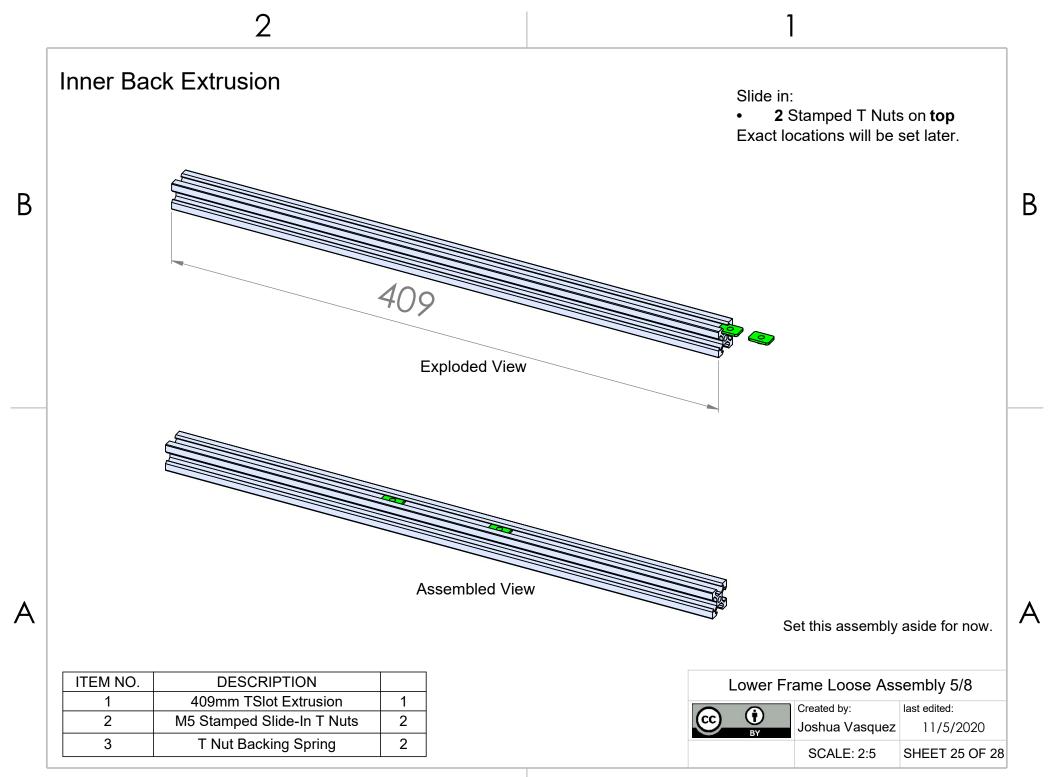
ITEM NO.	DESCRIPTION	QTY.
3	M5 Stamped Slide-In T Nuts	11
4	T Nut Backing Spring	11

Lower Frame Loose Assembly 2/8

	Created by:	last edited:	
© BY	Joshua Vasquez	11/5/2020	
	SCALE: 1:4	SHEET 22 OF 28	







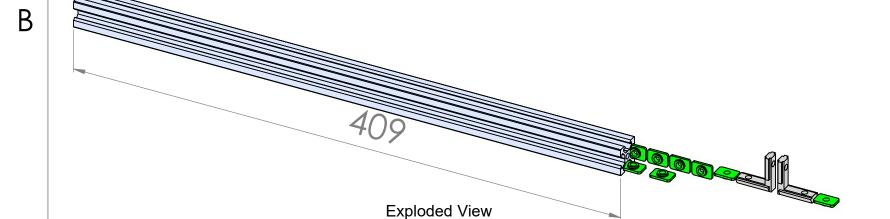
## **Back Extrusion**

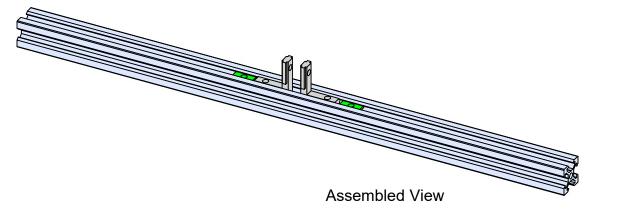
ITEM NO.

## Slide in:

- 2 Stamped T Nuts on top with 2 inside corner brackets in between back-to-back
- 2 Stamped T Nuts on the **bottom**
- 4 Stamped T Nuts in the back

Exact locations will be set later.





DESCRIPTION	QTY.
409mm TSlot Extrusion	1
erior Inside Corner Bracket	2

2 Interior Inside Corner Bracket 2
3 M5 Stamped Slide-In T Nuts 8
4 T Nut Backing Spring 8

Set this assembly aside for now.

В

Lower Frame	Loose	Assemb	oly	6/8
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		Created by:	last edited:
(00)	BY	Joshua Vasquez	11/5/2020
		SCALE: 2:5	SHEET 26 OF 28

2

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