

WCP-EX-0009 - Application Guide (Rev 1)

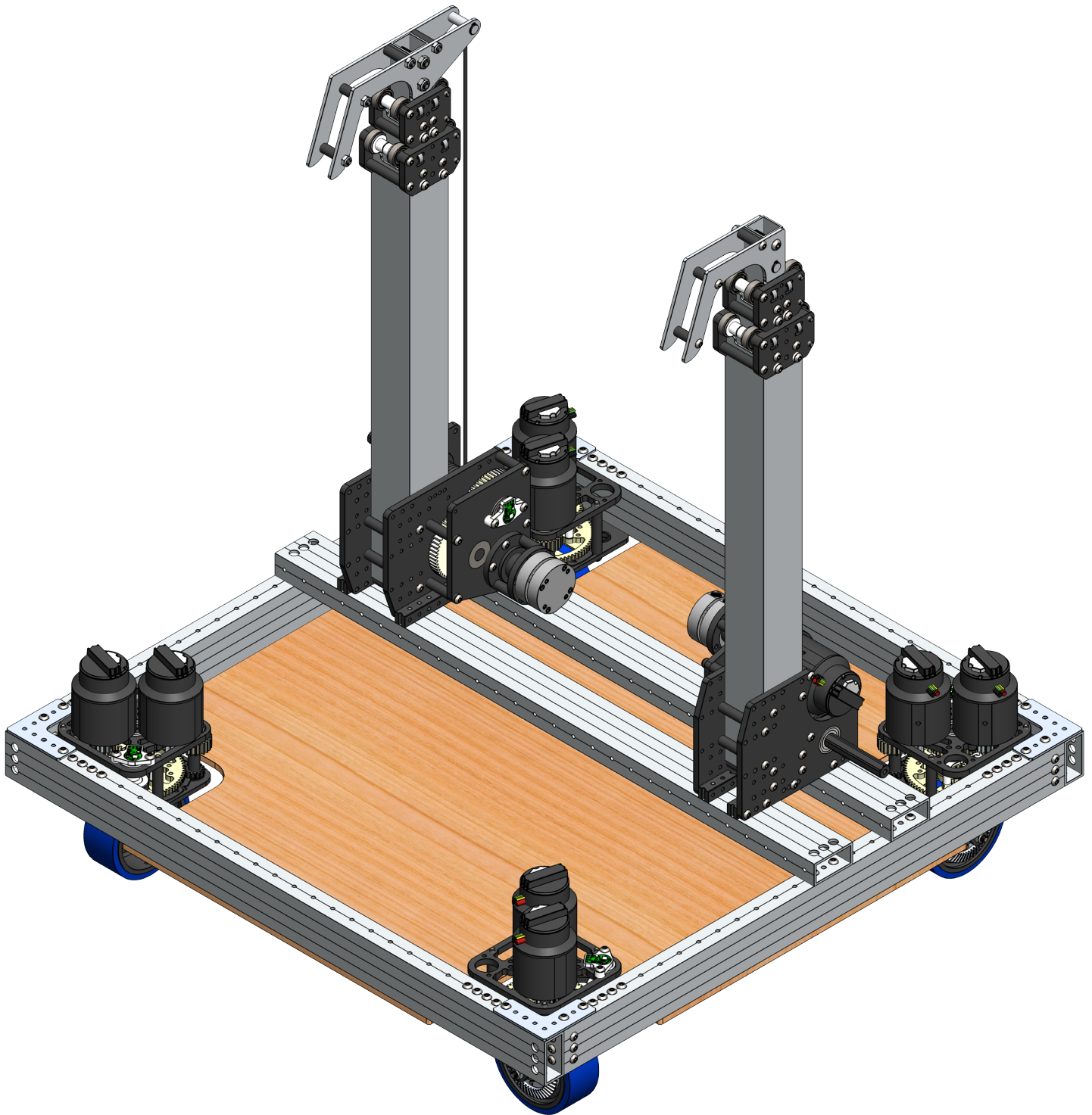




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What is the GreyT Telescope?

The GreyT Telescope kit lets you make a linear telescoping system with little to no effort. Up to 40 inches per stage, up to 4 stages, and more than enough power from the Falcon 500 motor. Lock your telescope in place with either the Ratchet & Pawl or the WCP Friction Brake. Use it for fast and secure climbs, or any other fine-controlled linear mechanisms.

Notable features:

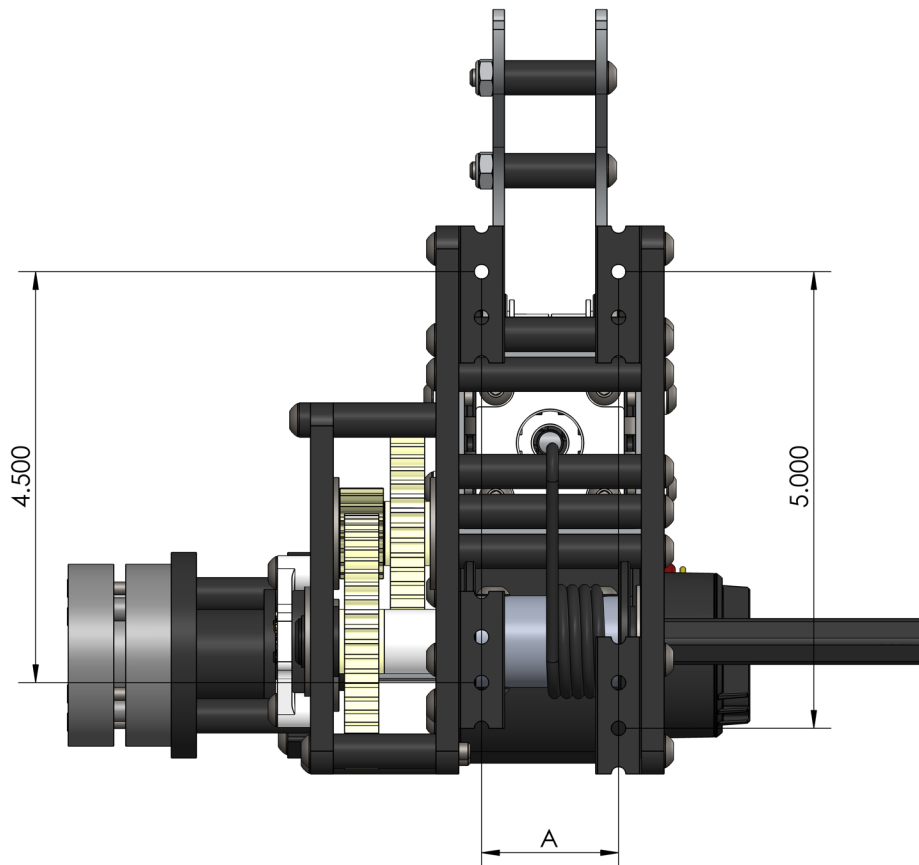
- Configurable, up to 4 stages.
- Easy to assemble and maintain.
- All bearings, no sliders.
- Integrated gearbox and mounting.
- Built in option for Ratchet & Pawl or WCP Friction Brake.
- Works with .060" and .125" tubing.
- No CNC machining required.
- Proper hardstops.
- Improved design, removes common failure point of internal bolts.



Non-Flipped Mounting Pattern

This hole pattern is for the standard mounting style for the Non-Flipped GreyT Telescopes. The table below shows the dimensions that change between the different base tube sizes. Unless otherwise specified, all other dimensions are the same across all Non-Flipped GreyT Telescopes.

Base Tube Size	A
1-1/2"	1"
2"	1-1/2"
2-1/2"	2"
3"	2-1/2"

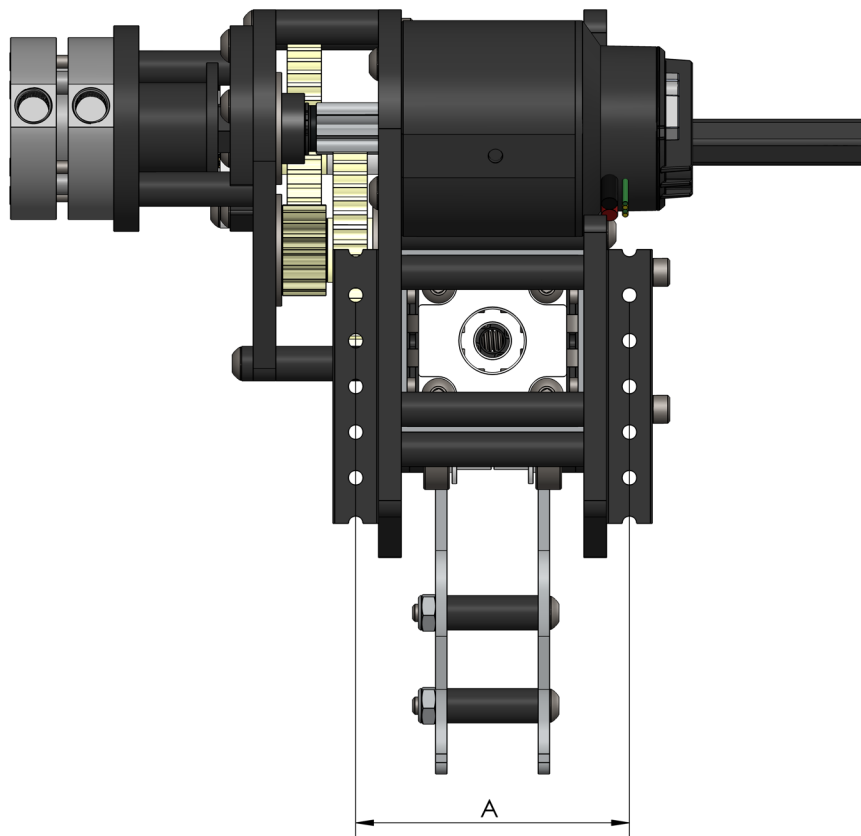




Flipped Mounting Pattern

This hole pattern is for the standard mounting style for the Non-Flipped GreyT Telescopes. The table below shows the dimensions that change between the different base tube sizes.

Base Tube Size	A
1-1/2"	2-1/2"
2"	3"
2-1/2"	3-1/2"
3"	4"



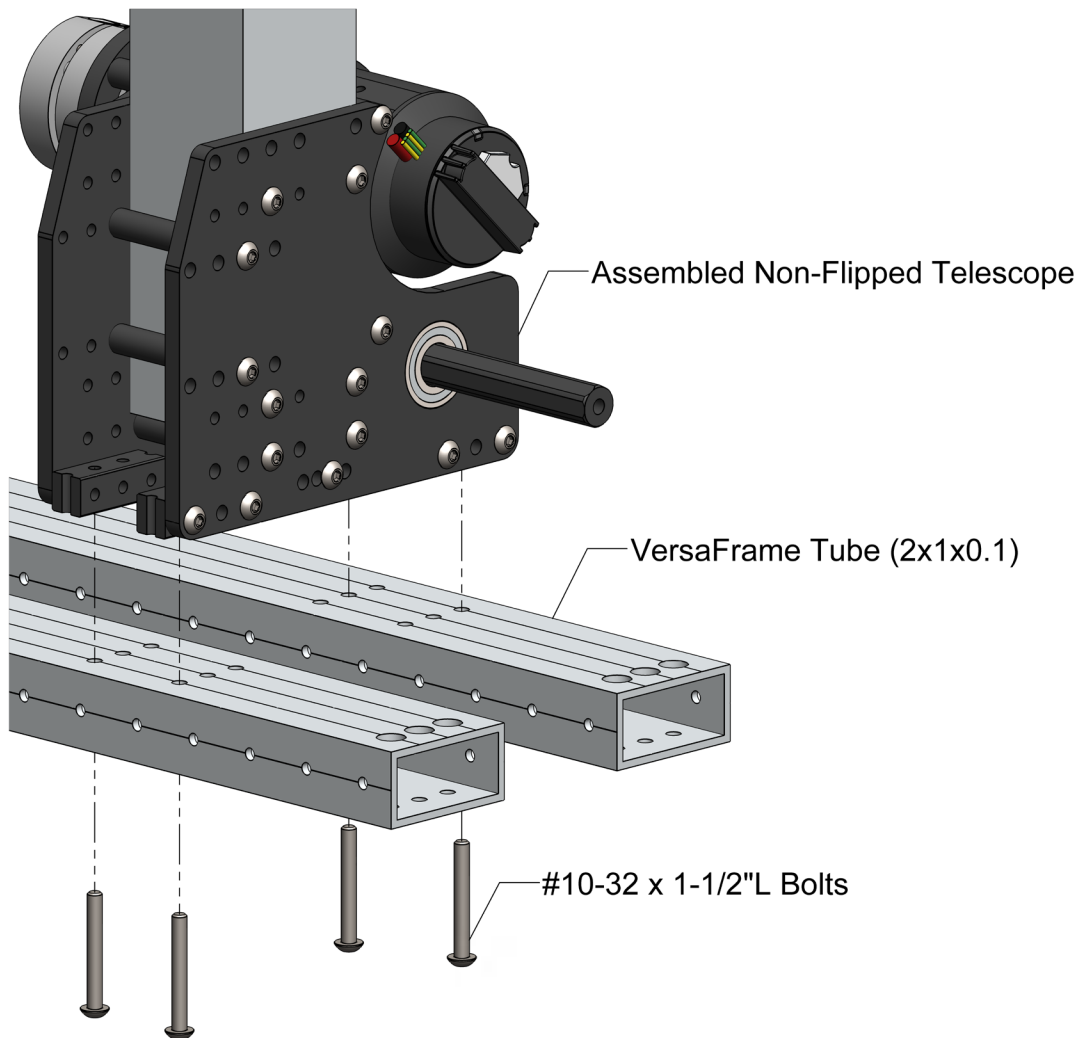


Non-Flipped Mounting Example

The hole patterns for the individual nutstrips will line up with the scores on the VersaFrame Tube. The distance between the holes will be the same as indicated in the page labeled Non-Flipped Mounting Pattern. Drill the holes using a #9 drill bit.

Bolt the Non-Flipped GreyT Telescope to the two tubes using four #10-32 x 1-1/2" L bolts.

Note: If desired, more bolts can be used.

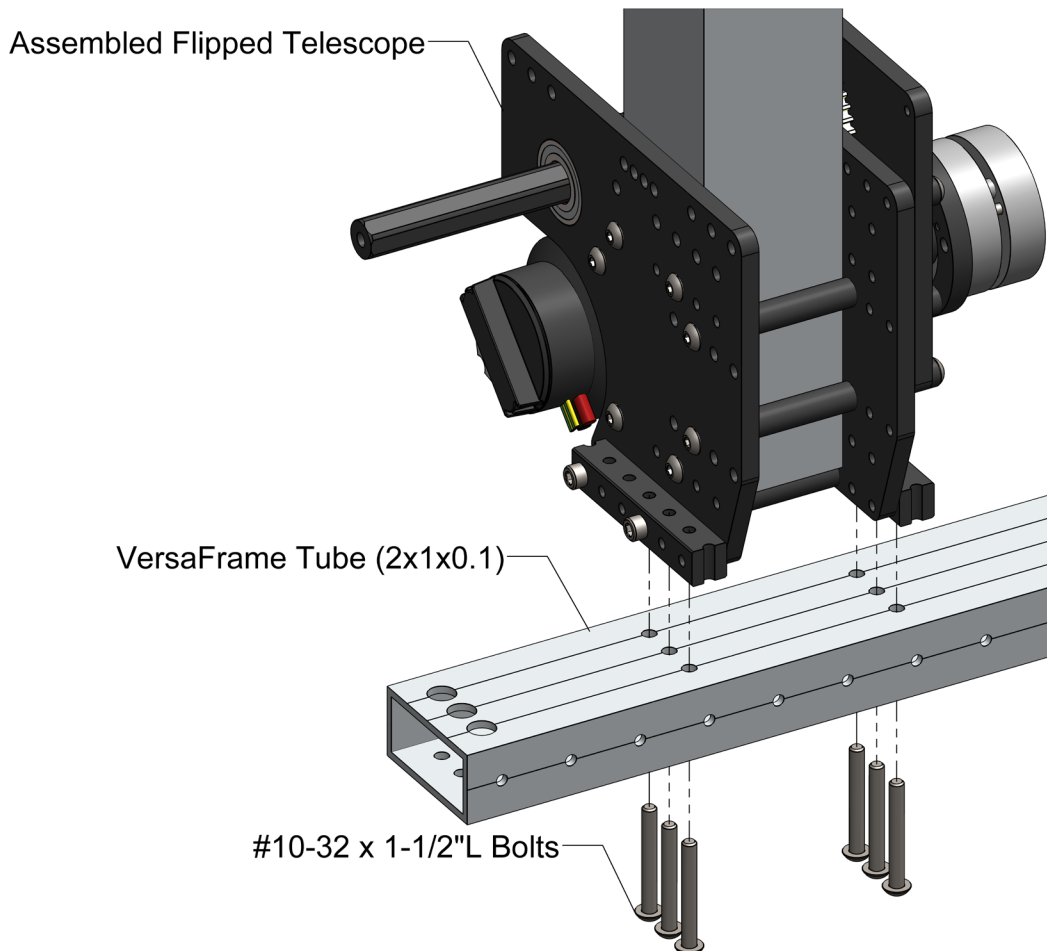




Flipped Mounting Example

The hole patterns for the individual nutstrips will line up with the scores on the VersaFrame Tube. The distance between the holes will be the same as indicated in the page labeled Flipped Mounting Pattern. Drill the holes using a #9 drill bit.

Bolt the Flipped GreyT Telescope to the tube using six #10-32 x 1-1/2" L bolts.





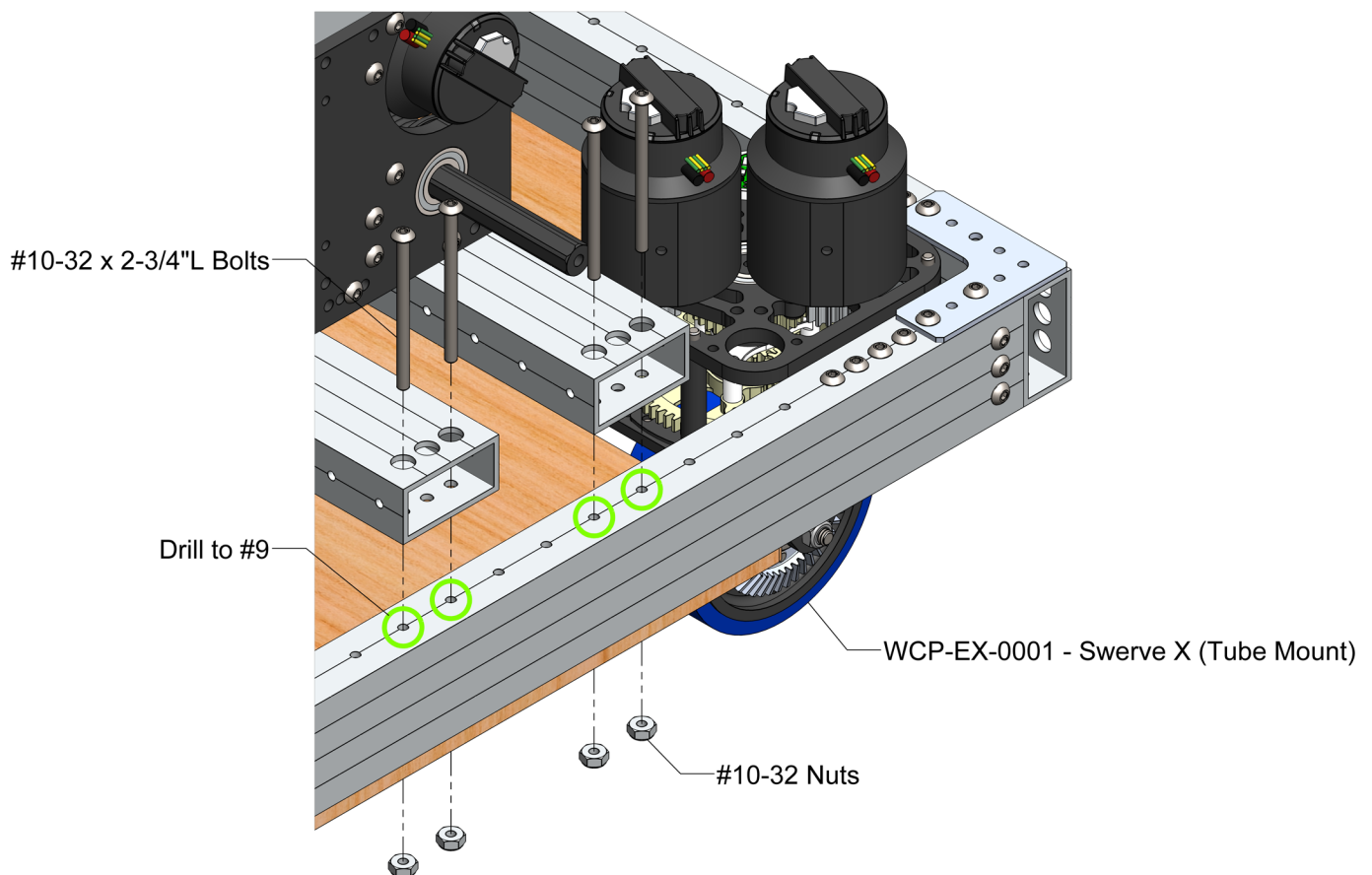
Paired Mounting Example

For this example, the GreyT Telescope will be mounted to the WCP-EX-0001 - Swerve X (Tube Mount) example. The holes indicated in green must be drilled clearance for #10-32 bolts.

Bolt the tubes from the previous steps to the Swerve X Frame using four #10-32 x 2-3/4"L bolts.

Repeat this step for the other side of the assembly.

Note: If you are worried about the bolts getting caught on anything while driving, they can be flipped and installed from the bottom of the drivetrain.





Revision Table

Revision Date	Revision #	Description
11/29/2021	1.0	First revision created.