

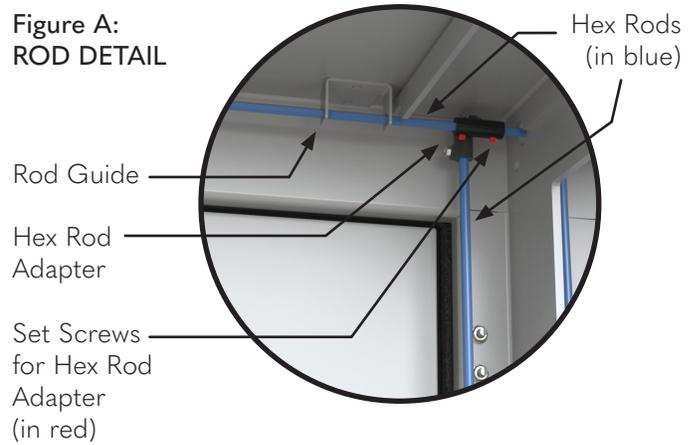
# MECHANICAL INTERLOCK IN MOD ENCLOSURES

## – UP TO 5 ENCLOSURES –

### INTRODUCTION

The included mechanical interlock system involves a number of moving parts that work in unison to secure the entire modular enclosure system. It is a common practice to have each interlock assembly within the interlock system dependent on a main door to increase overall enclosure security; only allowing other doors to be opened once a master door is. This entire system could be as large as 5 enclosures, e.g., five single door sections or as large as five two door enclosures totaling ten doors. As referenced in **Figure A**, modular enclosures along with an interlock system operate effectively thanks to their hex rods, adapters, set screws and rod guides; creating a crucial step in lock out procedures to allow users safe interactions with internal electronics.

Figure A:  
ROD DETAIL



### INSTALLATION INSTRUCTIONS

**Step 1:** Start by ensuring a level working area for installation and alignment. In order for this interlock system to work properly, proper alignment of modular connection holes are essential. This is highlighted in **Figure B**.

**Step 2:** Once all of the enclosures are in place and properly aligned, loosen all of the set screws on the hex rod adapters for all of the enclosures within this interlock system. Shown in both **Figure A** and **Figure C**, adapters and set screws are located in red.

Figure B: SIDE VIEW OF ENCLOSURE

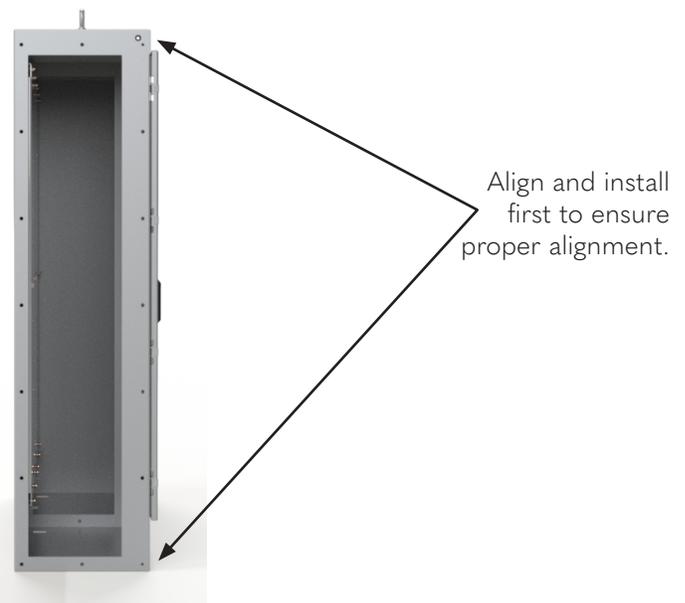
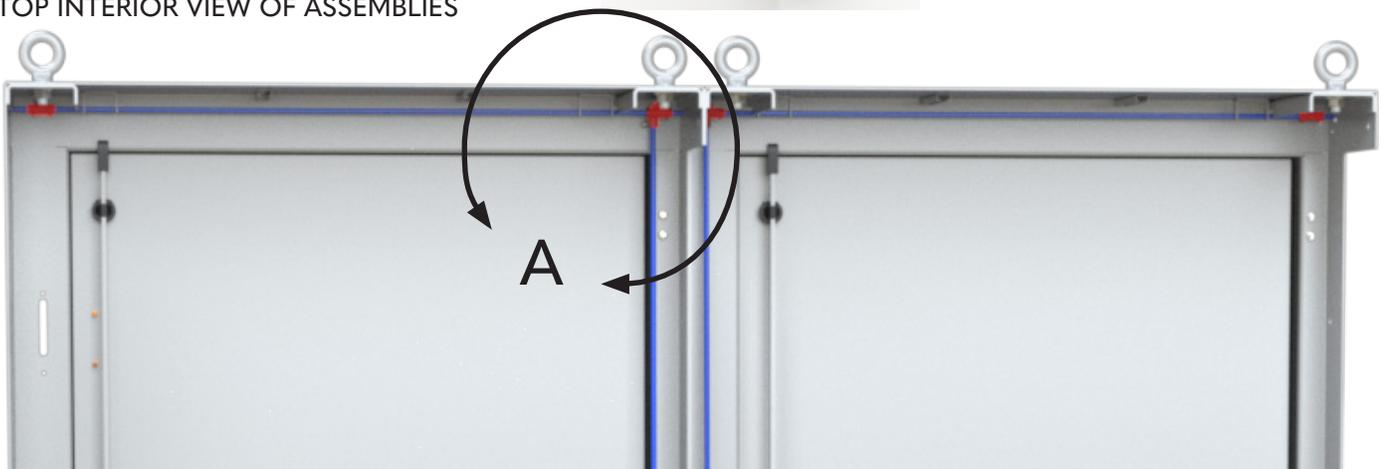
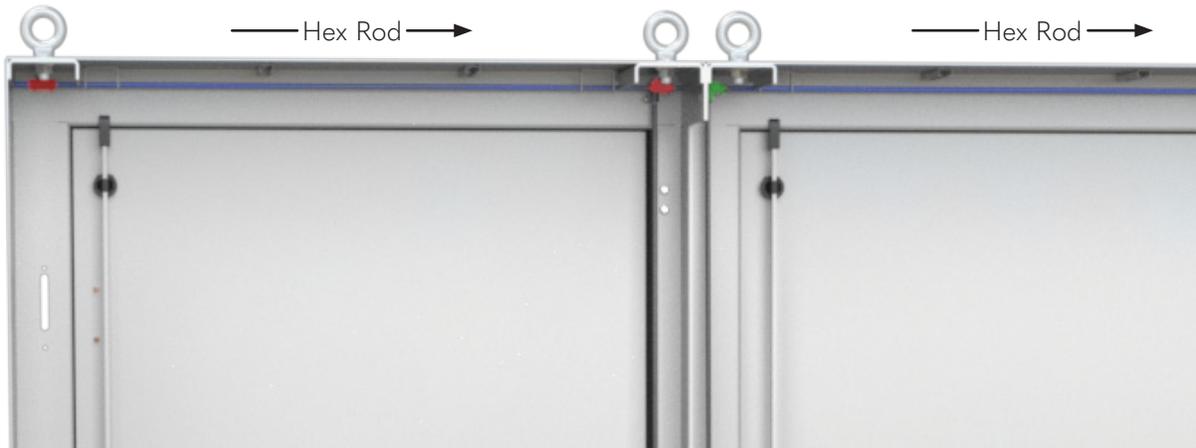


Figure C:  
TOP INTERIOR VIEW OF ASSEMBLIES



**Figure D:**  
**HEX ROD INSTALLATION**



**Step 3:** Slide the hex rod (shown in blue) horizontally into the next enclosure. Captured within **Figure D**, the hex rod will then protrude approximately halfway into the other hex rod adapter (shown in green) of the adjacent enclosure. The new hex rod will now link up to the corresponding rod just installed.

**Step 4:** Re-tighten all of the set screws on the rod adapters and cut off any extra hex rod that may be protruding from your initial end enclosure.

#### **TROUBLESHOOT**

- If all doors are not engaging properly at the lock points, adjustments can be made at the vertical rods. To do so, loosen the set screws on the vertical rod adapters; located above the interlock assemblies (shown in red). See **Figure E**. There, you can adjust the position and grab of the interlock. Re-tighten into place after tinkering. If problems still persist, vertical rod adapters also exist behind the horizontal ones near the enclosure's ceiling (view **Figure A**). Apply the same concept to these, and then re-tighten after tinkering.
- For best results, the mechanical interlock functions make sure that all intersecting points of the hex rod and the rod guide are lubricated. These functions also determine that they are properly aligned; this allows the hex rod to move freely.

**Figure E:**  
**FULL INTERIOR VIEW OF ASSEMBLIES**

