

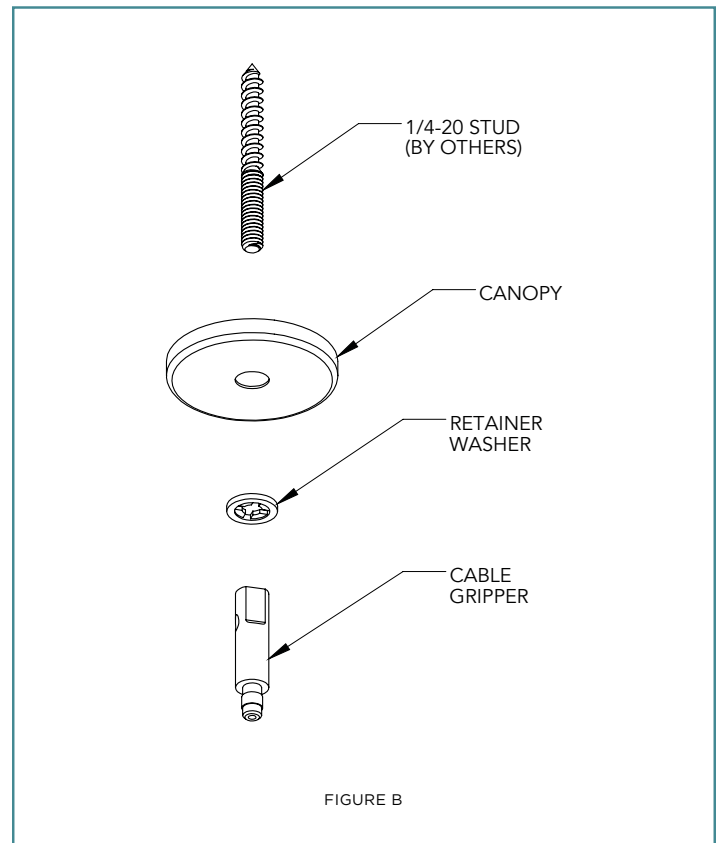
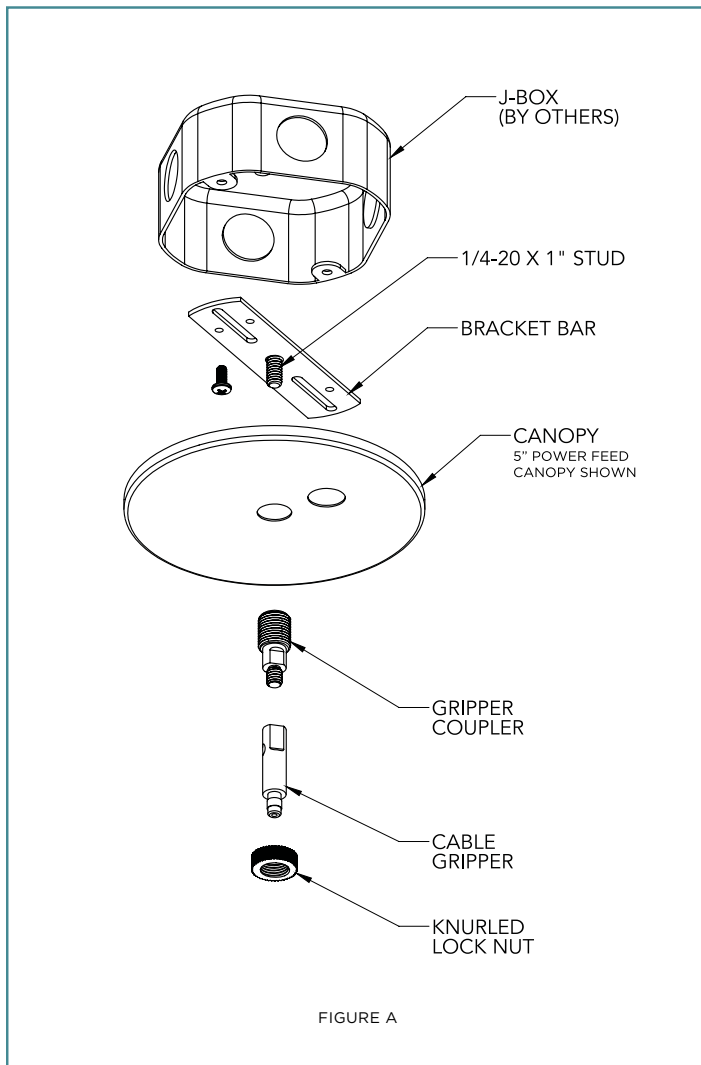
**SUSPENDED INTEGRAL DRIVER**

*AIRCRAFT CABLE (AC)*

**WARNING!** RISK OF FIRE AND ELECTRICAL SHOCK. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES BY A QUALIFIED ELECTRICIAN. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE INSTALLING OR SERVICING.

All wiring must be in accordance with the National Electrical Code and all local codes. Grounding must be in accordance with NEC article 250. Plenum wiring between Class 2 remote driver and luminaire canopy must be minimum 18 AWG and Vmust be in accordance with NEC article 725.

Reference appropriate Continuous Row Detail for Mounting Centers, AWM locations and fixture lengths for your fixture. These Continuous Row Detail pages, and relevant Wiring Diagrams can be found at [www.extantlighting.com](http://www.extantlighting.com) on each product page, for the appropriate mounting version, as well as these installation instructions.



**SPEC. CODE DEFINITIONS:**

TD = Integral Driver  
 AC = Aircraft Cable Suspended



## CANOPY MOUNTING INSTRUCTIONS

**C5** — Install 4" octagonal J-Boxes (by others) at all mounting locations. Install 5" Canopies (Figure A) at all J-Boxes by first securing the Bracket Bar to the J-Box (by others). Secure 1/4-20 x 1" Stud to Bracket Bar. Next, secure Gripper Coupler to Bracket Bar Stud and Cable Gripper to the Gripper Coupler. Remove Knurled Lock Nut from the Gripper Coupler and slide Aircraft Cable through the Knurled Lock Nut, through the center hole of Canopy, into the Cable Gripper and level fixture to desired mounting height. Pull AWM cord through the off-centered hole of the Canopy and make the wire connections inside the J-Box. Slide the Canopy up to the Bracket Bar and secure with the Knurled Lock Nut. Secure the AWM cord to the Canopy with the provided Strain Relief. "As necessary, provided zip ties can be used to affix the AWM cord to the Aircraft Cable".

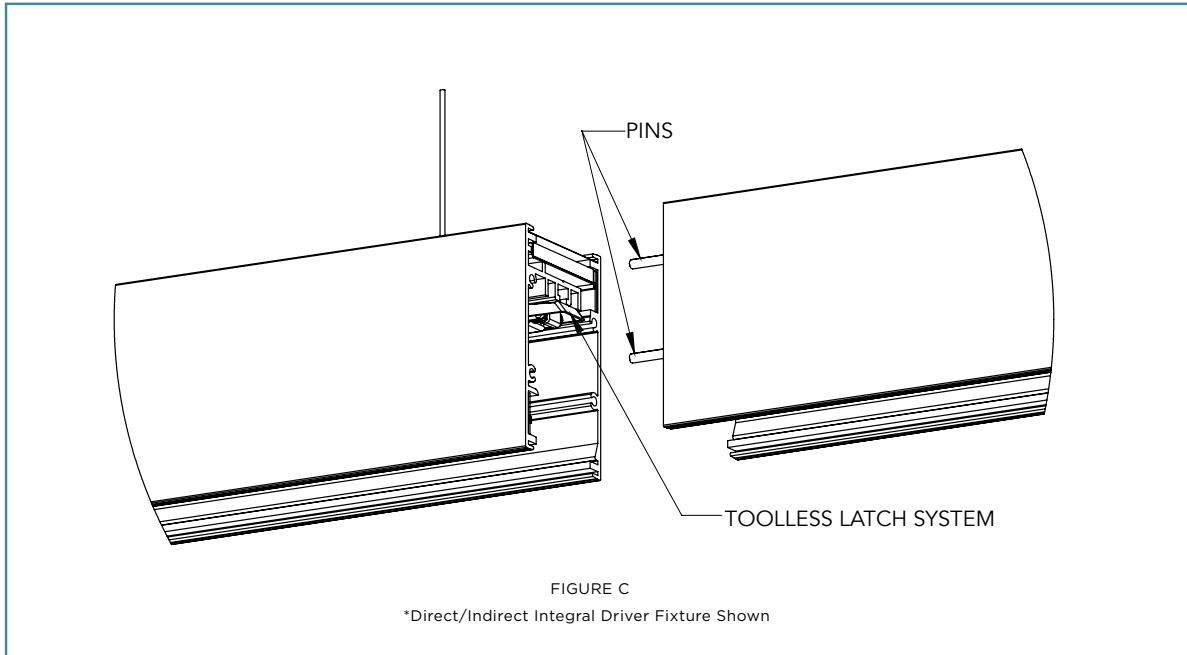
**NC5** — Install 4" octagonal J-Boxes (by others) at AWM Cord locations ONLY. Install 5" Canopies (Figure A) at all JBoxes (by others) by first securing the Bracket Bar to the J-Box (by others). Secure 1/4-20 x 1" Stud to Bracket Bar. Next, secure Gripper Coupler to Bracket Bar Stud and Cable Gripper to the Gripper Coupler. Remove Knurled Lock Nut from the Gripper Coupler and slide Aircraft Cable through the Knurled Lock Nut and then through the center hole of Canopy, into the Cable Gripper and level fixture to desired mounting height. Pull AWM cord through the off centered hole of the Canopy and make the wire connections inside the J-Box. Slide the Canopy up to Bracket Bar and secure with the Knurled Lock Nut. Secure the AWM cord to the Canopy with the provided Strain Relief. "As necessary, provided zip ties can be used to affix the AWM cord to the Aircraft Cable". For all other aircraft suspension points mount 1/4-20 Stud (by others) to structure. Install Cable Gripper to the 1/4-20 Stud. Slide Aircraft Cable into the Cable Gripper and level fixture to desired mounting height.

**NC** — To install Aircraft Cable suspension points mount 1/4-20 Stud (by others) to structure. Thread on Cable Gripper to the 1/4-20 Stud. Slide Aircraft Cable into the Cable Gripper and level fixture to desired mounting height. Snap the provided 7/8" Bushing Reducer in J-Box (by others), slide the AWM cord through Bushing Reducer and into J-Box. Make up wire connections in the J-Box. Secure AWM cord with Strain Relief and snap into Bushing Reducer. "As necessary, provided zip ties can be used to affix the AWM cord to the Aircraft Cable".

**C2** — Install 2" Canopies (Figure B) at all cable suspension points by installing 1/4-20 Stud (by others) to the structure. Slide Canopy over the 1/4-20 Stud then push provided Retainer Washer onto 1/4-20 Stud. Thread on Cable Gripper, slide Aircraft Cable into the Cable Gripper and level fixture to desired mounting height. Snap the provided 7/8" Bushing Reducer in J-Box (by others), slide the AWM cord through Bushing Reducer and into J-Box. Make up wire connections in the J-Box. Secure AWM cord with Strain Relief and snap into Bushing Reducer. "As necessary, provided zip ties can be used to affix the AWM cord to the Aircraft Cable".

**C25** — Install 4" octagonal J-Boxes (by others) at AWM cord locations. Install 5" Canopies (Figure A) at all J-Boxes by first securing the Bracket Bar to the J-Box (by others). Secure 1/4-20 x 1" Stud to Bracket Bar. Next, secure Gripper Coupler to Bracket Bar Stud and Cable Gripper to the Gripper Coupler. Remove Knurled Lock Nut from the Gripper Coupler and slide Aircraft Cable through the Knurled Lock Nut, through the center hole of Canopy, into the Cable Gripper and level fixture to desired mounting height. Pull AWM cord through the off-centered hole of the Canopy and make the wire connections inside the J-Box. Slide the Canopy up to Bracket Bar and secure with the Knurled Lock Nut. Secure the AWM cord to the Canopy with the provided Strain Relief. "As necessary, provided zip ties can be used to affix the AWM cord to the Aircraft Cable". For all other suspension points, install 2" Canopies (Figure B) by installing 1/4-20 Stud (by others) to the structure. Slide Canopy over the 1/4-20 Stud then push provided Retainer Washer onto 1/4-20 Stud.





**CONTINUOUS INSTRUCTIONS AC - AIRCRAFT CABLE**

1. Begin installation with the Starter fixture by following the appropriate Canopy Mounting Instructions above.
2. Remove Liner Assembly. See Page \_\_\_ for instructions on removal.
3. Attach the Middle/End fixtures’ Aircraft Cable to Cable Gripper as described in the appropriate Canopy Mounting Instructions above. Through-wire the Starter fixture’s wires to the connecting fixture.
4. Attach the Middle fixture to Starter by sliding the pins into their respective slots on the Starter fixture. Figure C.
5. Once the pins have aligned the two fixtures, use the Tool-Less Latch System to secure them together.
6. Make wire connections between fixtures.
7. Repeat steps 2-6 for all continuing Middle sections as well as for the End fixture.

**LINER INSTALLATION AND REMOVAL INSTRUCTIONS**

**INSTRUCTIONS FOR LINER ASSEMBLY REMOVAL WHEN FIXTURE IS RESTING ON WORK BENCH.**

- Using a finger or spudger stick, slide the first Liner Latch Release (Figure A) and lift the end of the Liner Assembly 1/2" (Figure B). Note: grasp the Optic Shade with finder tips to lift up. **Warning:** do not lift the Liner Assembly out of the fixture yet, damage to the alignment pins will occur.

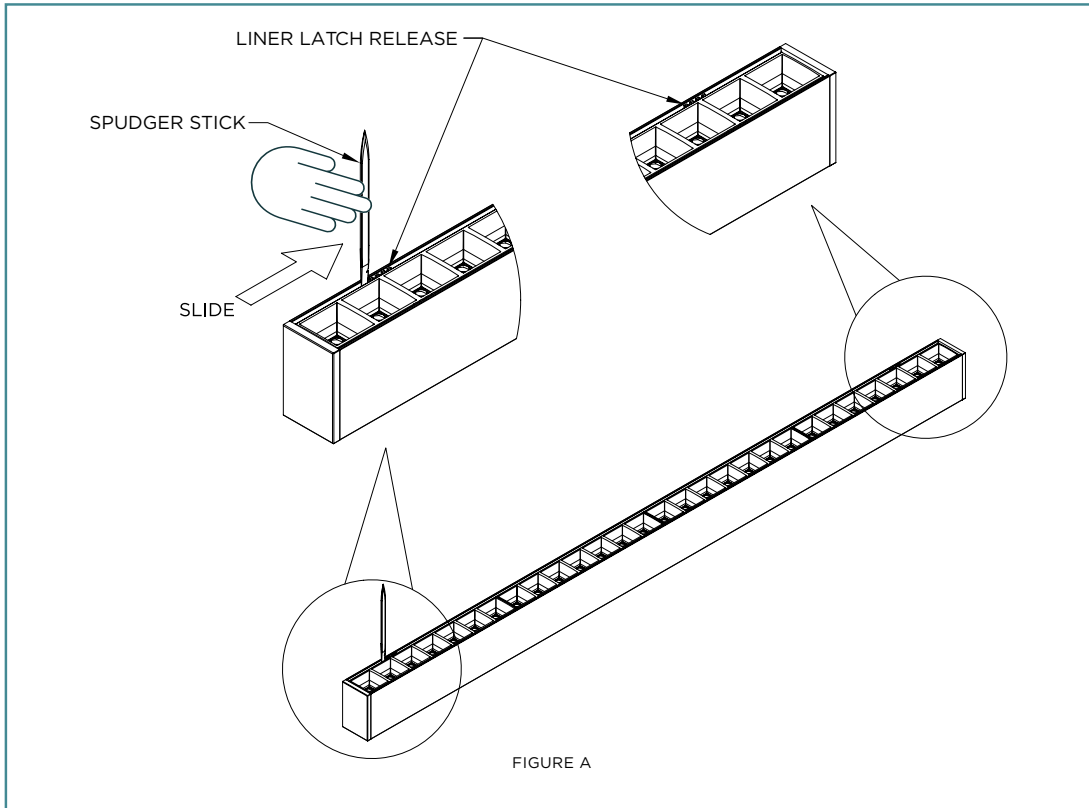


FIGURE A

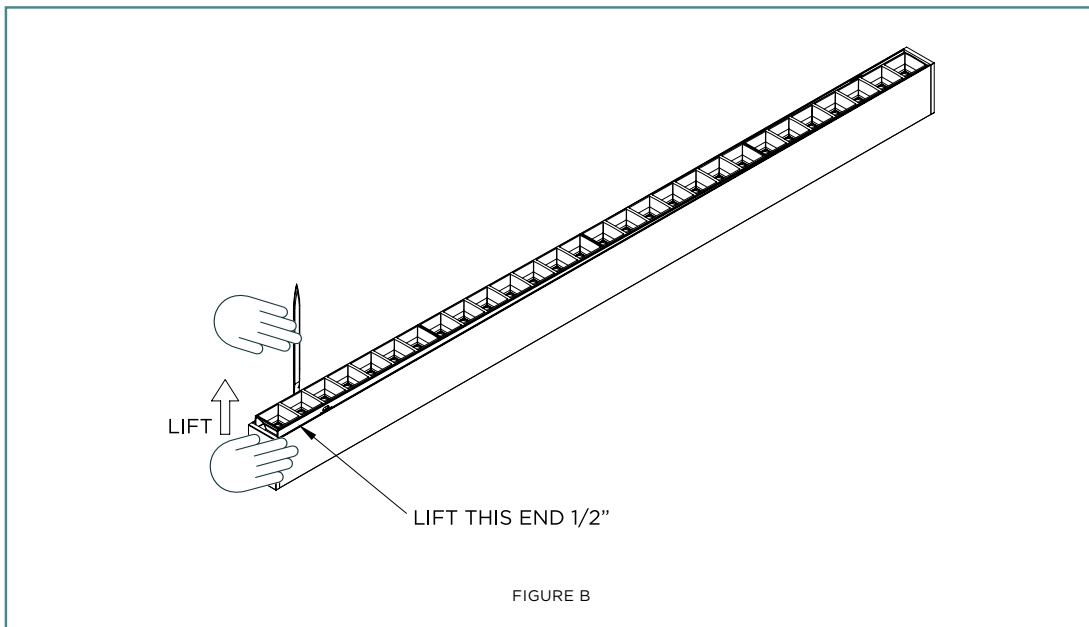
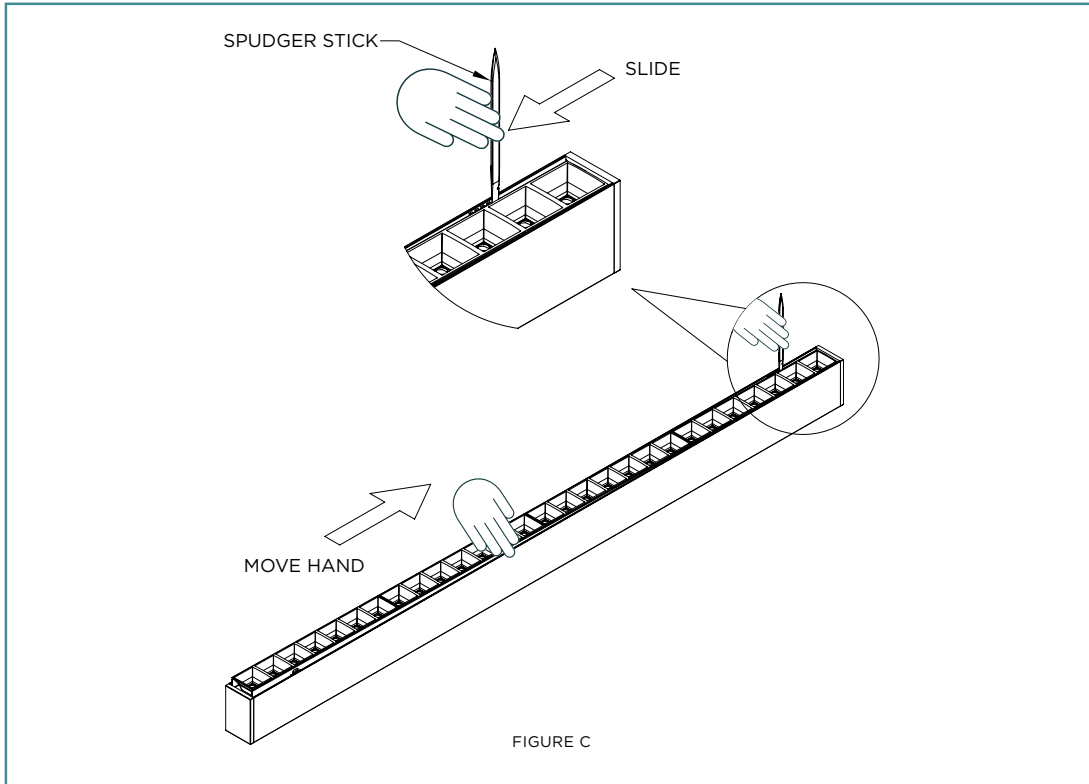
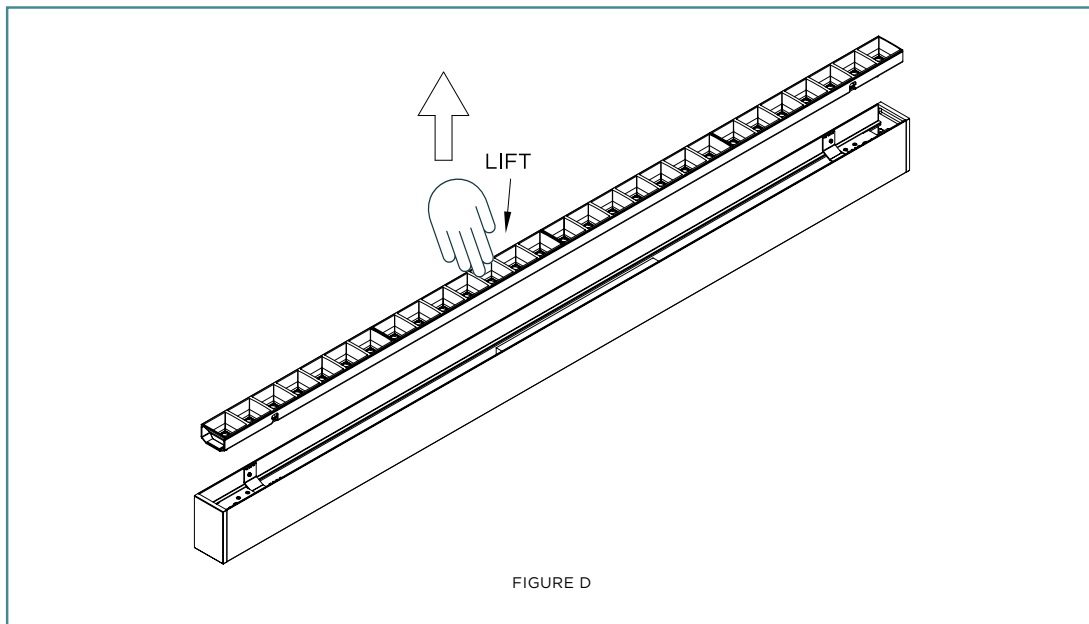


FIGURE B





2. Move the hand holding the Liner towards the center of the Liner (Figure C).
3. Using a finger or spudger stick, slide the second Liner Latch Release (Figure C) and lift the Liner Assembly out of the fixture (Figure D). Place the Liner Assembly on work bench next to the fixture.
4. Disconnect wires and place the Liner Assembly in a safe place.



**INSTRUCTIONS FOR LINER ASSEMBLY REMOVAL WHEN FIXTURE IS INSTALLED.**

1. Place hand under Liner Assembly approximately 8" from the end (Figure E). Using a finger or spudger stick, slide the first Liner Latch Release (Figure E) and allow the end of the Liner Assembly to drop 1/2" (Figure F). Warning: do not allow the Liner Assembly to drop out of the fixture yet, damage to the alignment pins will occur.

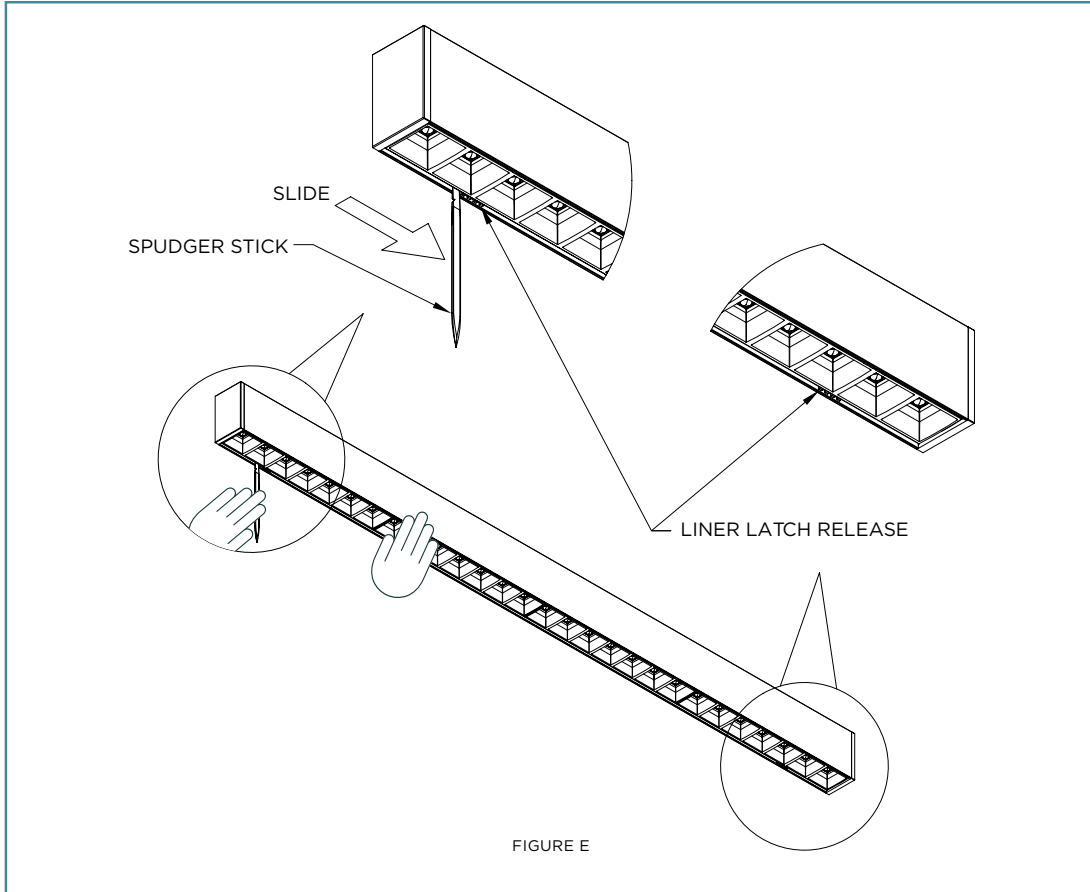


FIGURE E

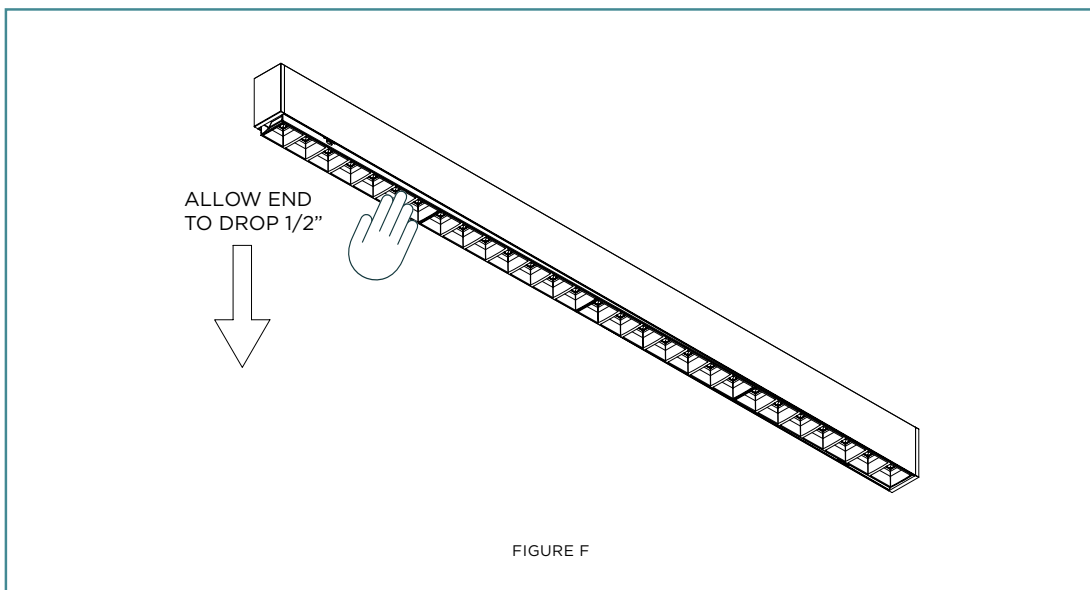
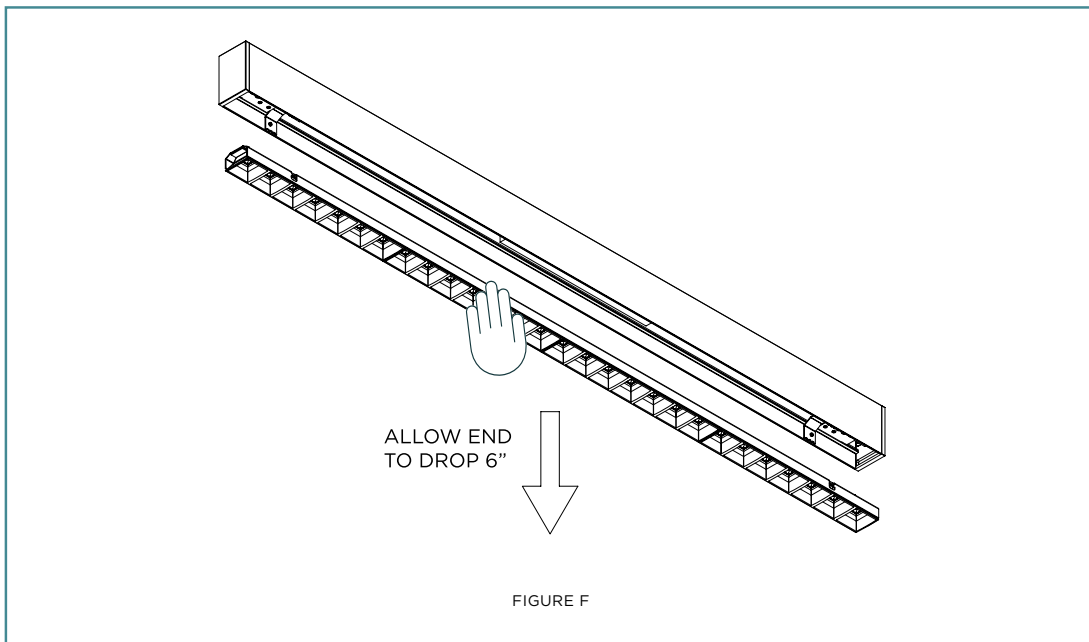
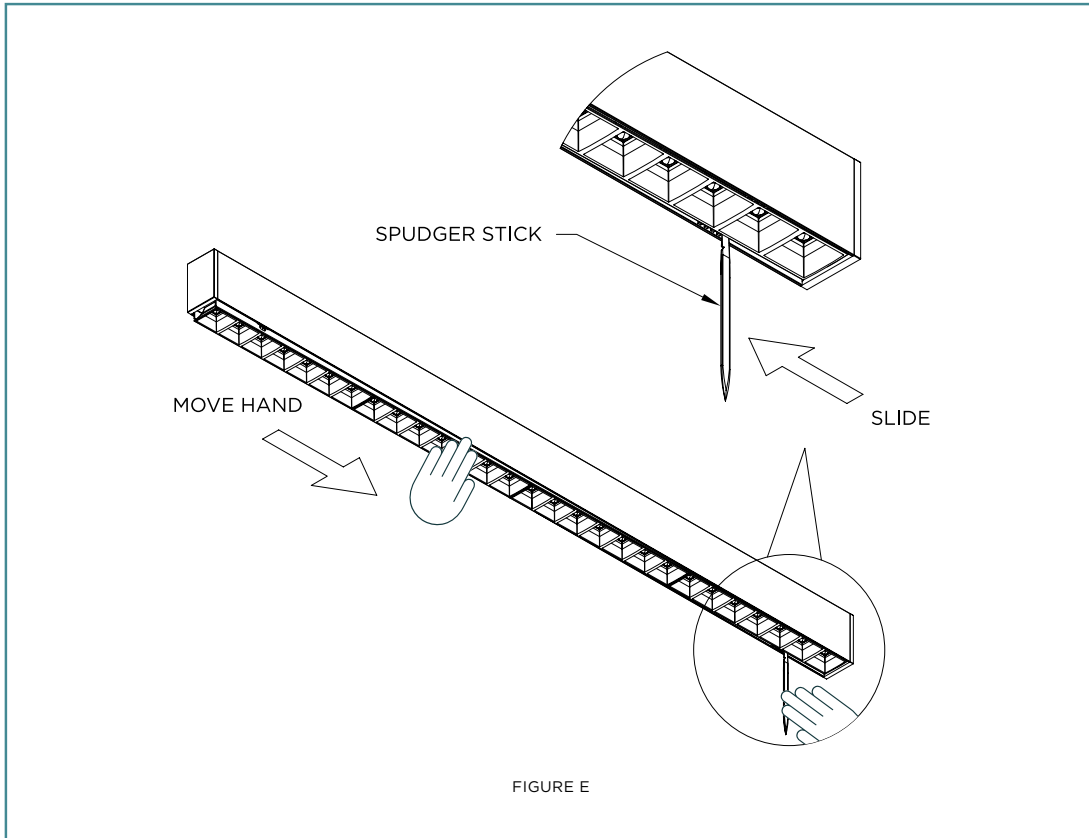


FIGURE F

2. Move the hand that's under the Liner Assembly towards the center of the Liner Assembly (Figure G).
3. Using a finger or spudger stick, slide the second Liner Latch Release (Figure G) and allow the Liner Assembly to drop out of the fixture approximately 6" (Figure H).
4. Disconnect wires and place the Liner Assembly in a safe place.



**INSTRUCTIONS FOR LINER ASSEMBLY INSTALLATION.**

1. Align the pins on each end of the Liner Assembly with the mating holes in the Liner Latch Bracket as the Liner Assembly is installed (Figure J).
2. During installation of continuous runs, it will be necessary to move the Liner Latch Brackets to connect the segments. You need to move them back into position and ensure the Alignment Pins line up with the mating holes.

