

INSTALLATION INSTRUCTIONS

READ ALL OF THESE INSTRUCTIONS BEFORE INSTALLING THE TRACK SYSTEM. SAVE THESE INSTRUCTIONS; REFER TO THEM IF CHANGES TO THE SYSTEM ARE MADE.

HighLine track is designed to support and power Edison Price Lighting track fixtures prepared for 277-volt service only. It is a two-conductor system, continuously grounded throughout, to be supplied by one 277 volt, 20 amp, branch circuit. HighLine is [®]UL[®] listed.



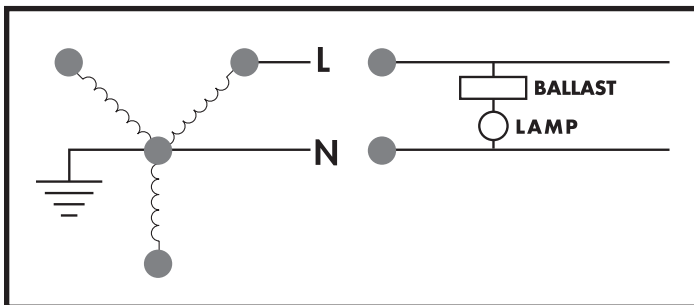
OBSERVE POLARITY!
WHITE (NEUTRAL) WIRE MUST BE ALONG POLARITY GUIDE NOTCH (NEUTRAL) SIDE OF TRACK. FAILURE TO OBSERVE POLARITY MAY RESULT IN POTENTIAL ELECTRICAL HAZARD.



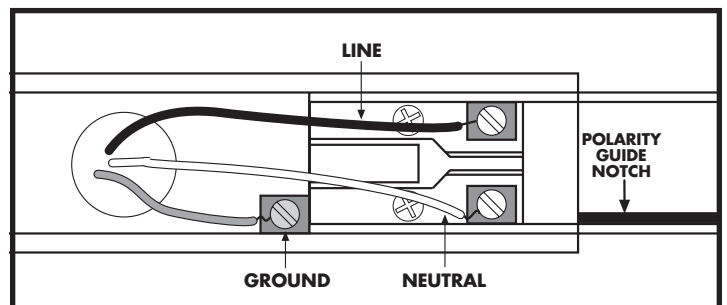
IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions before attempting installation.
 - HighLine is intended for installation according to the National Electric Code and local or federal code specifications.
 - Do not install in damp or wet locations.
 - Do not install any part of this system less than eight feet above the floor.
 - Do not install HighLine track with its opening facing up without protective inserts available on special order.
 - Do not install any track fixture closer than 6 inches to any curtain or other combustible material.
 - Prevent electric shock; turn off electricity at fuse box or panel before installing the track or changing it.
 - Failure to ground may result in a hazardous condition. Instructions for grounding must be followed throughout.
 - Observe polarity: splice neutral service wire to white lead from HighLine feed.
 - Do not attempt to support or power anything on this track except:
 - Edison Price Lighting track fixtures prepared for 20-amp, 277-volt service, or
 - fixtures by others equipped with an Edison Price Lighting track adapter prepared for 277-volt service.
- No extension cords; no appliances; no other brands of fixtures.

wiring



HighLine can be wired for one circuit — limited to 277 volts, 20 amps, single phase.



Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard.

PLEASE SAVE THESE INSTRUCTIONS

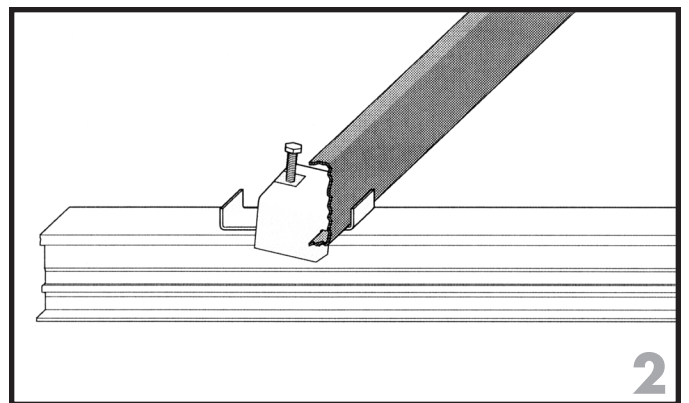
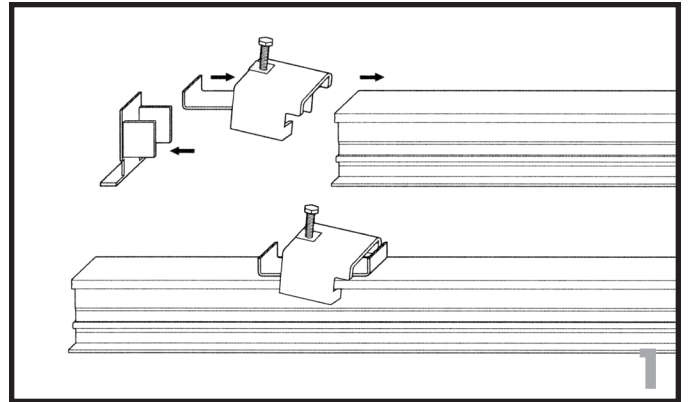
mounting a single piece of track

HighLine R is mounted in accessible or inaccessible ceilings, hung from angles or C channels set perpendicular to the Track. These angles or channels must be placed

- every 4 feet (1019mm) or less, and
- within 2 feet (510mm) of Track ends, and
- with their bottom surfaces 1 ½" (38mm) above the finished ceiling surface.

These instructions describe the installation of a single piece of HighLine R with an End Feed on 1 ½" (38mm) C channels.

1. Attach the **End Feed** to the **Track**. Follow step 2 on page 4.
2. Locate or install C channels as described above.
3. Remove the **end cap** from the Track and slide two or three **hangers** onto the Track. Put a **hanger clip** under each Hanger. [Fig. 1]
4. Lift the Track to the underside of a C channel. Position the hanger and clip so that they flank the channel. Tighten the **hanger screw**. [Fig. 2] Repeat for the other hanger(s).
5. When the Track is mounted securely, complete the wiring of the End Feed (see page 4).



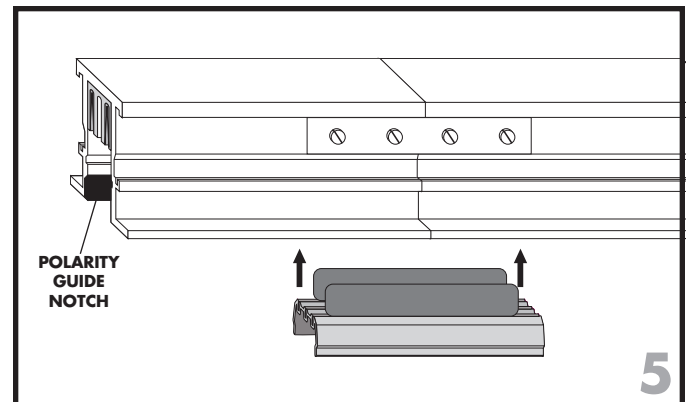
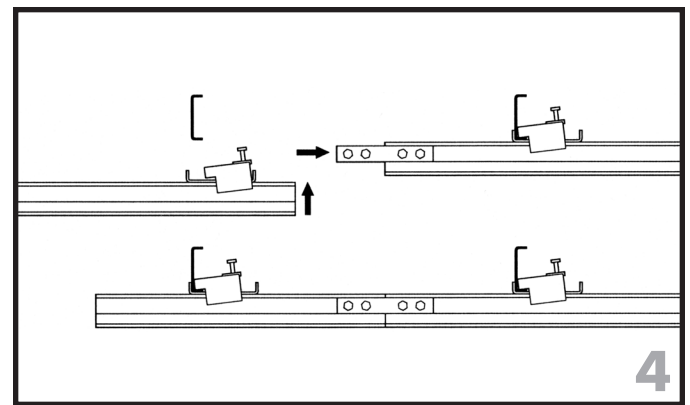
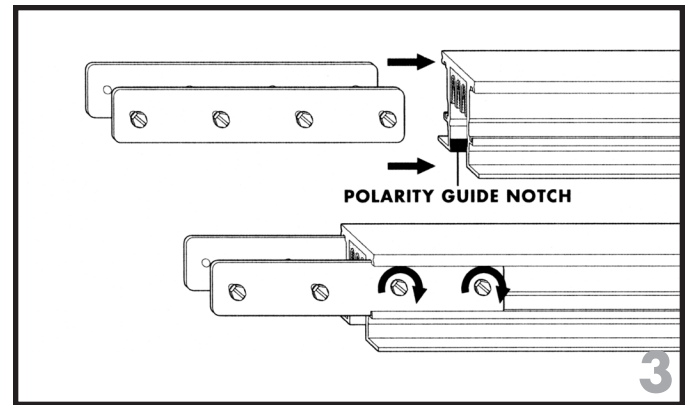
splicing and mounting a run of track

HighLine R is mounted in accessible or inaccessible ceilings, hung from angles or C channels set perpendicular to the Track. These angles or channels must be placed

- every 4 feet (1019mm) or less
- within 2 feet (510mm) of Track splices or ends
- with their bottom surfaces 1 ½" (38mm) above the finished ceiling surface.

These instructions describe the installation of a run of HighLine R with an End Feed on 1 ½" (38mm) C channels.

1. Remove the **end caps** from all Tracks to be used in the run and save them for future use.
2. Locate or install C channels as described above.
3. Attach an End Feed to the first Track. Follow step 2 on page 4.
4. Slide the **splice plates** included with the Track into the un-fed end of the first Track. Fasten the plates with the **screws** included. [Fig. 3]
5. Slide two or three **hangers** onto the first Track. Put a **hanger clip** under each hanger. [Fig. 4]
6. Lift the first **Track** against the underside of the C channels. Arrange the hangers and clips so that they flank the channels as shown in Fig. 2. Tighten the **hanger screws**.
7. If the run will use more than two Tracks, slide the **splice plates** from the second **Track** into one end of the second **Track** and fasten with its **screws**.
8. Slide the open end of the second **Track** onto the **splice plates** protruding from the first **Track** until the two Tracks abut neatly. Attach the second Track to its C channels; then fasten the splice plates with screws [Fig. 4]. Repeat steps 7 and 8 until all the Tracks in the run are mounted.
9. Insert a **splice assembly** from a **Live Splice** kit into the run at each joint between Tracks. [Fig. 5]
10. Put an **end cap** in the un-fed end of the run (see page 7).



End Feed

HighLine R should be serviced by #12 AWG solid wire. Each Feed includes knockouts for 1/2" or 3/4" connectors.

1. Prepare 9" leads, with the last 5/16" stripped. [Fig.6]
2. Attach the **End Feed** to the **Track**. Tighten the splice plate screws on both sides. [Fig. 7]
3. Mount the Track to the ceiling channels (see page 2 or 3).
4. Prepare the Feed for wiring by removing the **terminal cover** and the **knockout(s)** to be used. Thread the leads into the Feed and fasten the **connector**. [Fig. 8]
5. The Feed is wired as diagrammed on page 1.



Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard. [Fig.9]

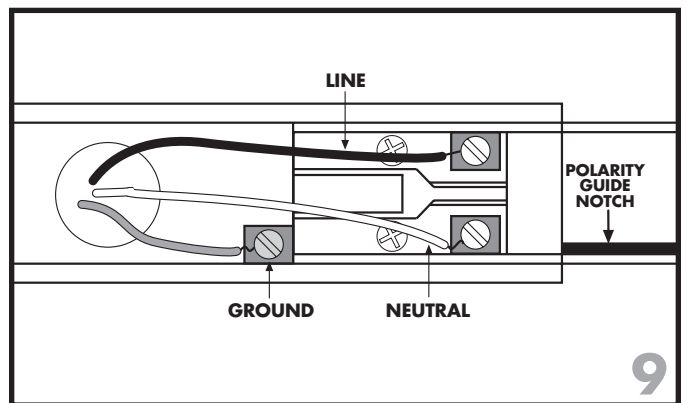
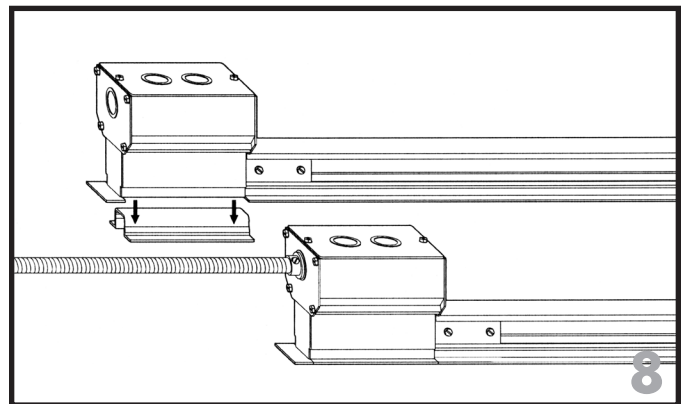
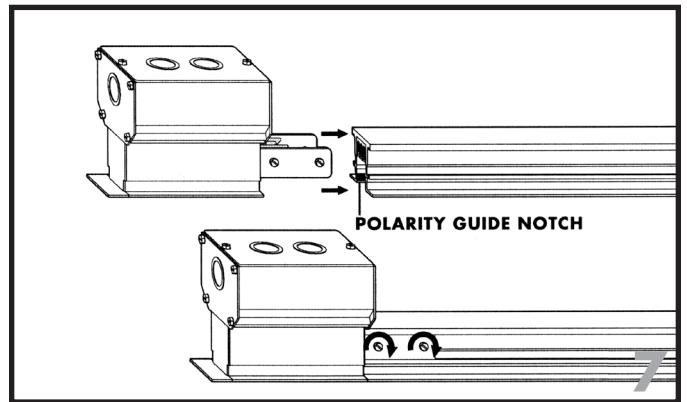
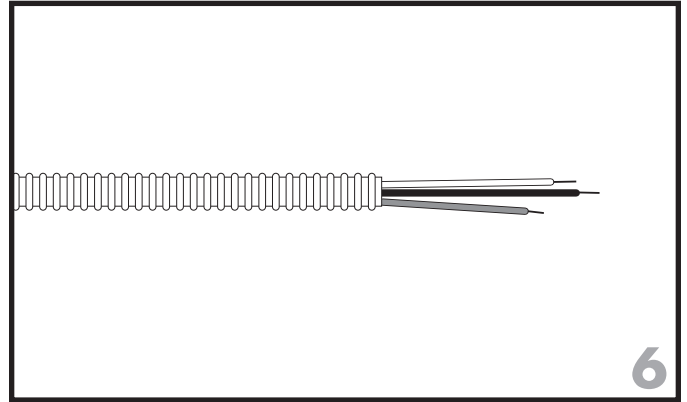
Slip the stripped leads under the **terminal screws** and tighten the screws.

For an alternate wiring method:

- cut short lengths of #12 AWG solid wire
- secure one end of each to the terminal screws
- splice the other ends to the service wires, and
- stuff the splices into the End Feed.

All HighLine R Feeds are cULus listed for this procedure.

6. Replace the **terminal cover**.



In Line Feed

HighLine R should be serviced by #12 AWG solid wire. Each Feed includes knockouts for 1/2" or 3/4" connectors.

1. Attach the **In Line Feed** to the first **Track**. Tighten the splice plate **screws**. [Fig. 10]
2. Mount the first Track to the ceiling channels (see page 3).
3. Attach the second **Track** to the **In Line Feed**. Mount the second Track to the ceiling channels.
4. Prepare 9" leads, with the last 5/16" stripped. [See Fig. 6]
5. Prepare the Feed by removing the **terminal cover** and the **knockout(s)** to be used. Thread the leads into the Feed and fasten the **connector(s)**. [Fig. 11]
6. The Feed is wired as diagrammed on page 1.




Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard. [Fig.12]

Slip the stripped leads under the **terminal screws** and tighten the screws.

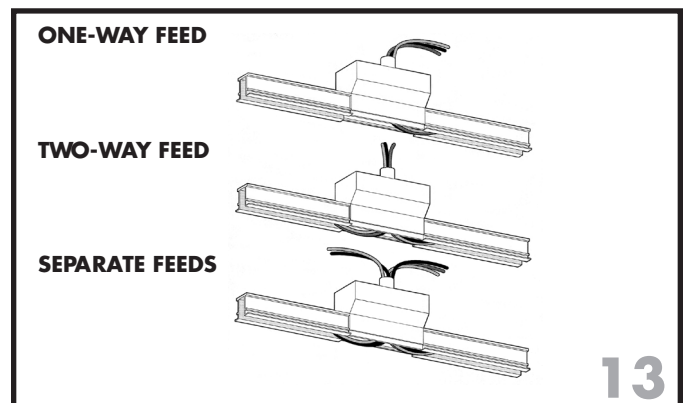
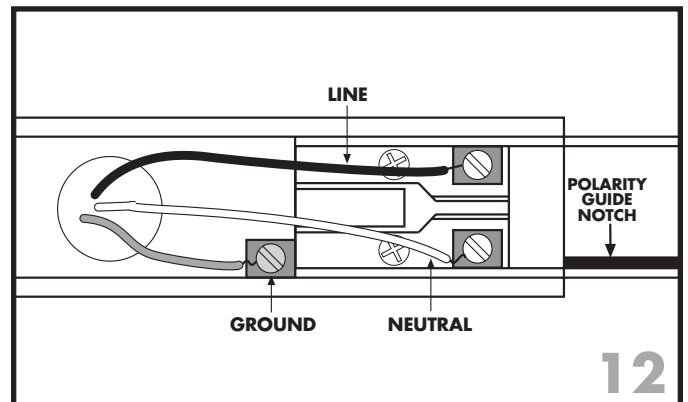
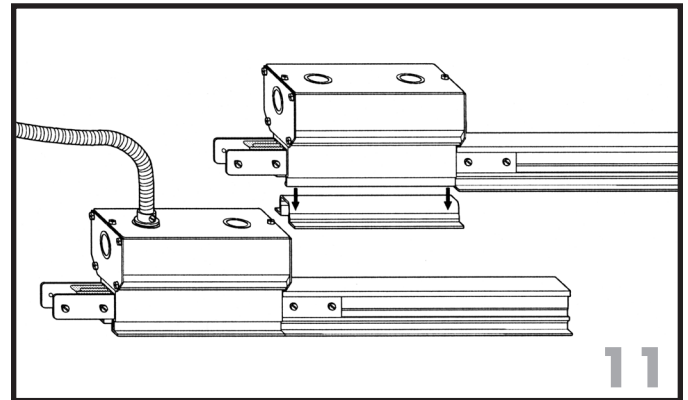
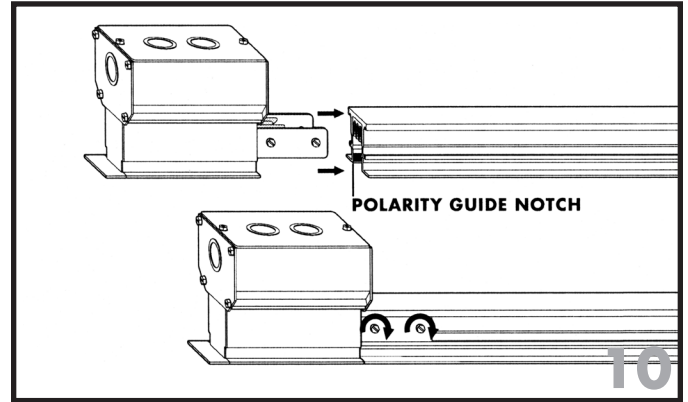
Three circuiting plans are possible. [Fig. 13]

If a Two-Way Feed is desired:

- cut short lengths of #12 AWG solid wire
- secure one end of each to the terminal screws
- splice the other ends to the service wires, and
- stuff the splices into the In Line Feed.

This wiring method can be used for One Way and Separate Feeds as well. All HighLine R Feeds are  listed for this procedure.

7. Replace the **terminal cover**.

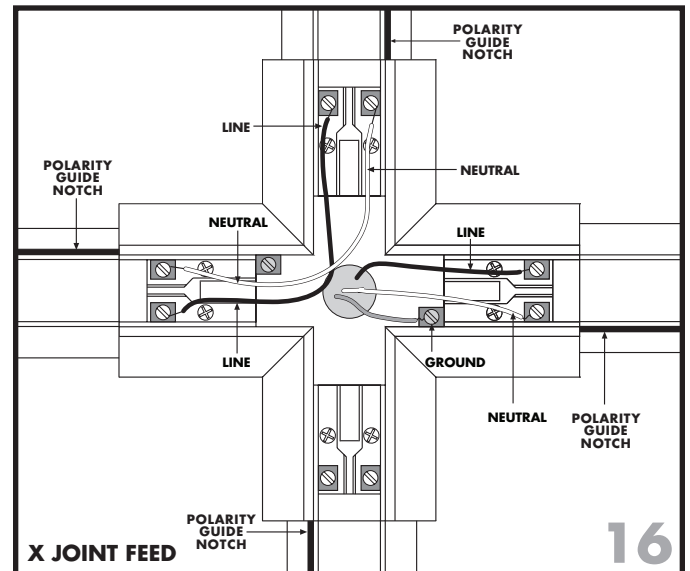
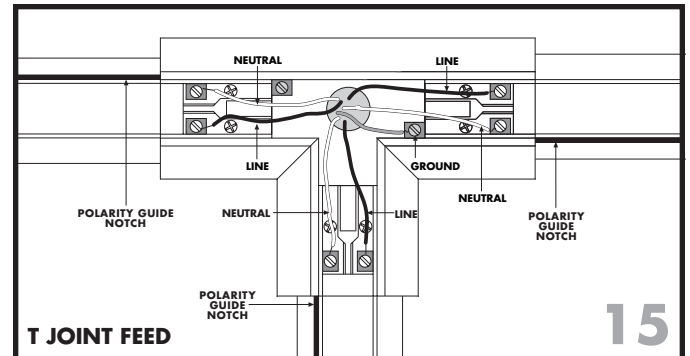
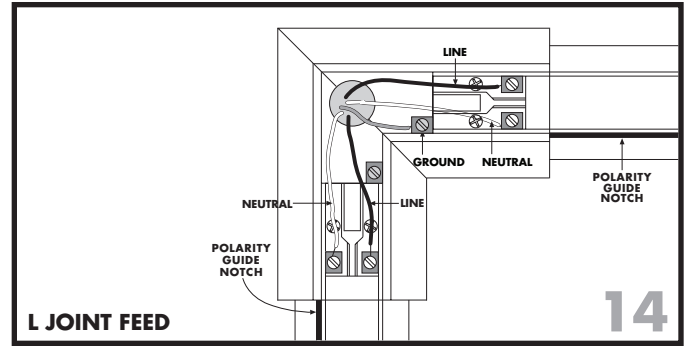


joints and polarity

L joints, T joints, and X joints may be wired however required by the pattern of track. Three different Joint Feeds with three different wiring plans are shown here. [Fig.14–16]. Note how polarity is maintained in each.



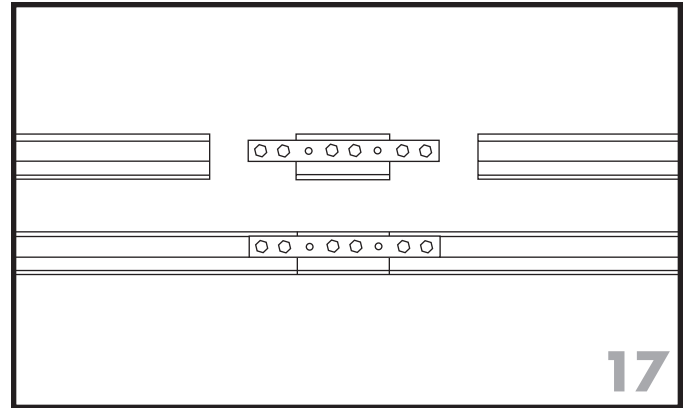
Observe polarity. White (neutral) wire must be along Polarity Guide Notch (neutral) side of track. Failure to observe polarity may result in potential electrical hazard.



separating circuits on a run of track

Use a **Dead Splice** when a run of track is wired with circuits (or sets of circuits) that must be separated along the length of the run.

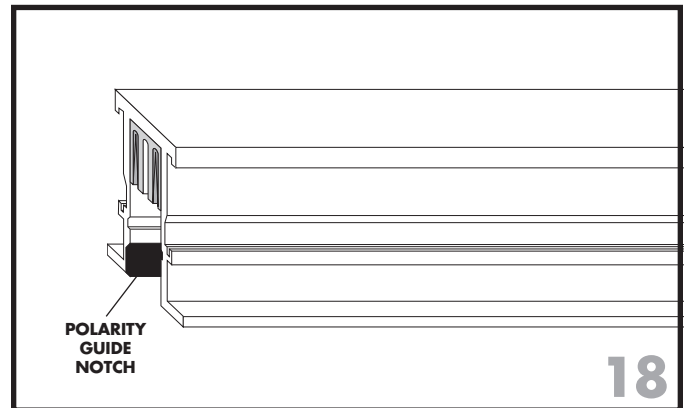
A Dead Splice is mounted into a run of track just as if it were another Track (see page 3), except that it includes splice bars at both ends. [Fig. 6]. Attach the **Dead Splice** to the first **Track**. Align the two components carefully, then press together firmly. Attach the second Track to the Dead Splice in the same manner. [Fig. 17]



field cutting track

HighLine tracks can be cut in the field with a sharp hacksaw, band saw or radial saw.

1. Make a single cut through the aluminum extrusion, plastic insulator and copper conductors of the **Track**. Use a miter box or other device to insure a 90° square cut. [Fig. 18]
2. Remove any burrs from the aluminum or copper with a file or deburring tool. Clean the Track by blowing shavings away from the conductors.
3. Take care not to throw away any useful **end caps** with scrap ends of Track.



End Caps

One **end cap** is shipped installed in each Track.

Place an **end cap** at any un-fed ends of single Tracks or runs of Track. [Fig. 19]

