EDISON PRICE LIGHTING

SIGHTLINE® R

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.

SightLine track is designed to support and power Edison Price Lighting track fixtures prepared for 20-amp, 120-volt service only. It is a 3-conductor system, continuously grounded throughout, to be supplied by one or two 120 volt, 20 amp, branch circuits. Do not connect to two branch circuits without the assistance of a qualified electrician; although the track system may seem to operate acceptably, a dangerous overload of the neutral may occur and result in a risk of fire. SightLine is c UL us listed.

IMPORTANT SAFETY INSTRUCTIONS

- *Read all instructions before attempting installation.*
- *SightLine 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 five feet above the floor.*
- *Do not install SightLine 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 SightLine feed.*
- *Do not attempt to support or power anything on this track except:*
  - *Edison Price Lighting track fixtures prepared for 20-amp, 120-volt service, or*
  - *fixtures by others equipped with an Edison Price Lighting track adapter prepared for 20-amp, 120-volt service.*

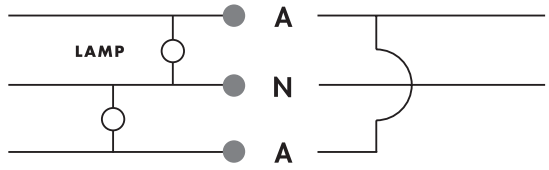
  No extension cords; no appliances; no other brands of fixtures.

two ways to wire

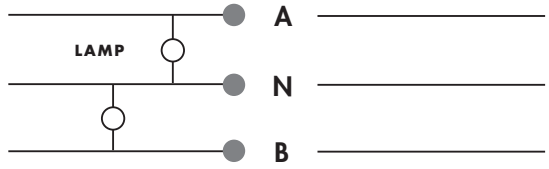
SightLine can be wired in two ways:

1. **Single Circuit** – limited to 120 volts, 20 amps, single phase.
2. **Two-Circuit** – limited to 20 amps each, 120/240 volts, split single phase.

single circuit



two-circuit



PLEASE SAVE THESE INSTRUCTIONS

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mounting a single piece of track

SightLine R is mounted in accessible or inaccesible 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 SightLine R with an End Feed on 1 ½" (38mm) C channels.

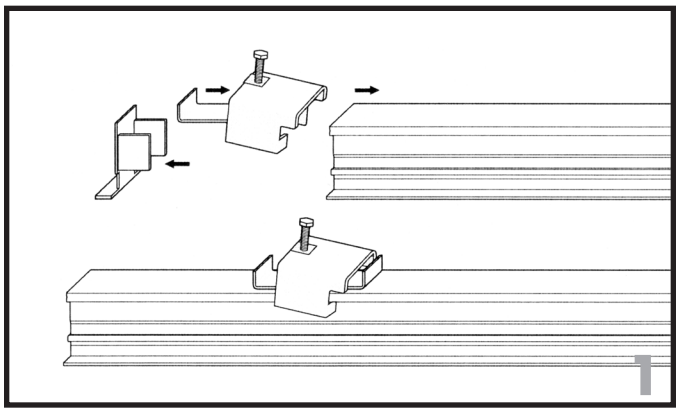
1. Attach the **End Feed** to the **Track**. Follow step 2 on page 4.

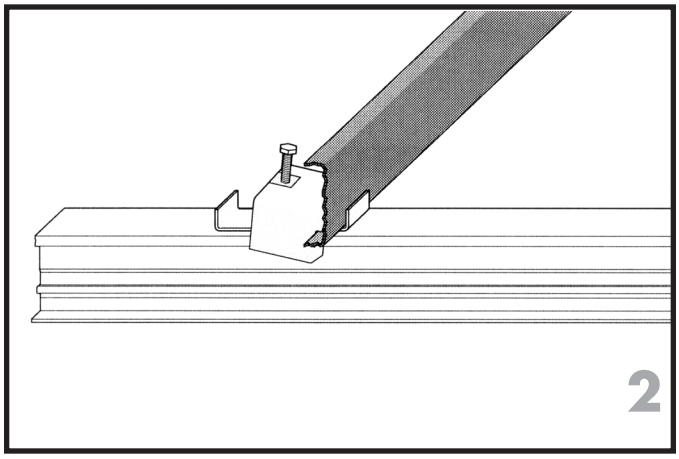
2. Locate or install C channels as described above.

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

SightLine 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 SightLine 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]

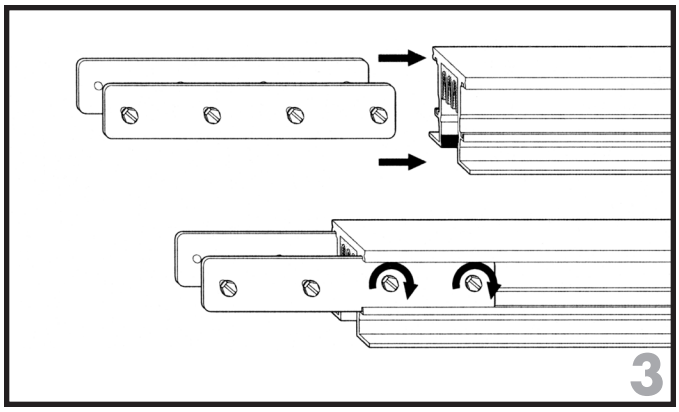
6. Lift the first **Track** against the underside of the C channels. Arrange the hangers and clips so that they flank the channels as shown in Fig. 2. Tighten the **hanger screws**.

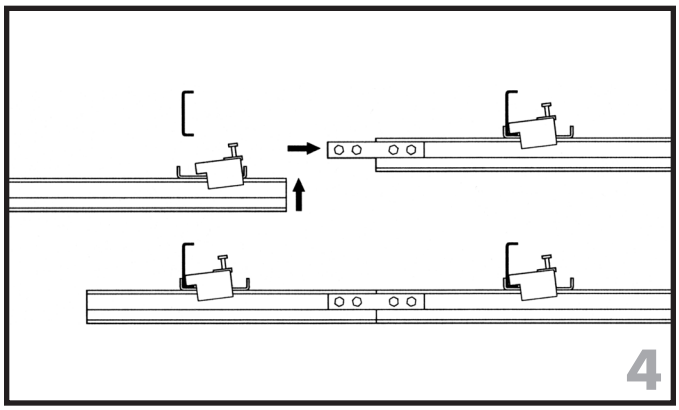
7. If the run will use more than two Tracks, slide the **splice plates** from the second **Track** into one end of the second **Track** and fasten with its **screws**.

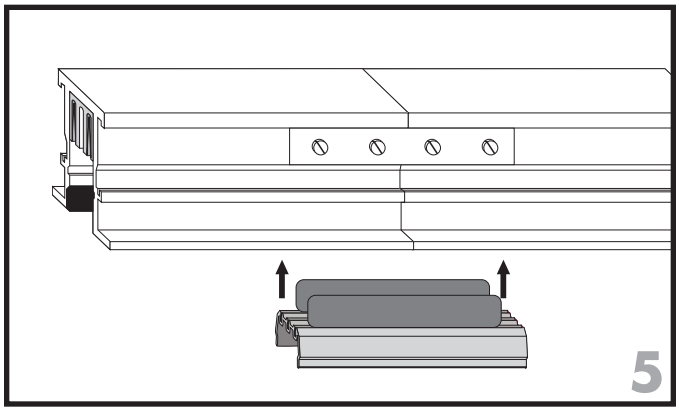
8. Slide the open end of the second **Track** onto the **splice plates** protruding from the first **Track** until the two Tracks abut neatly. Attach the second Track to its C channels; then fasten the splice plates with screws [Fig. 4]. Repeat steps 7 and 8 until all the Tracks in the run are mounted.

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

SightLine R should be serviced by #12 AWG solid wire. Each Feed includes knockouts for ½" or ¾" 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]

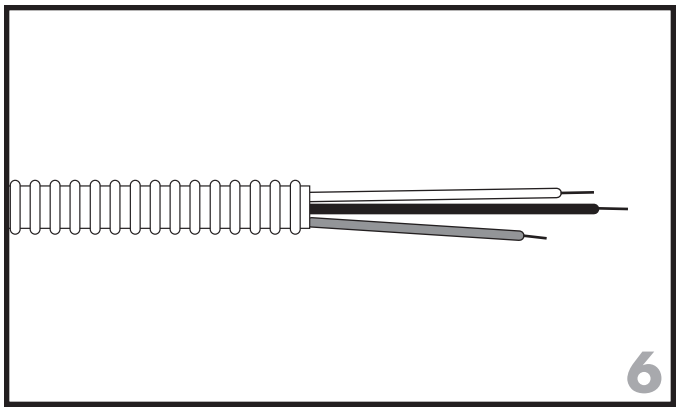
5. The Feed can be wired in one of the two ways diagrammed on page 1.

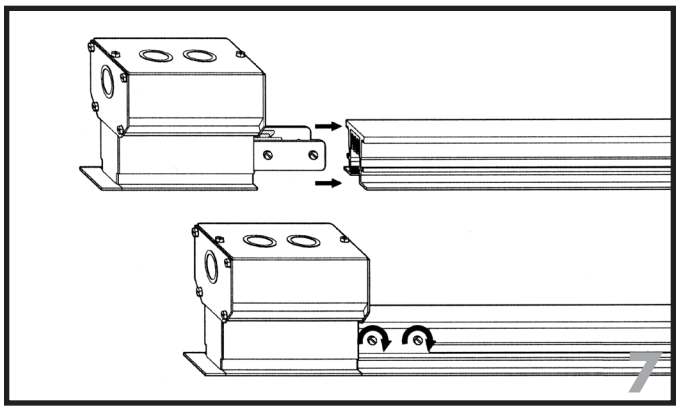
6. Slip the stripped leads under **the terminal screws** and tighten the screws. The terminal screws are identified in Figure 9.

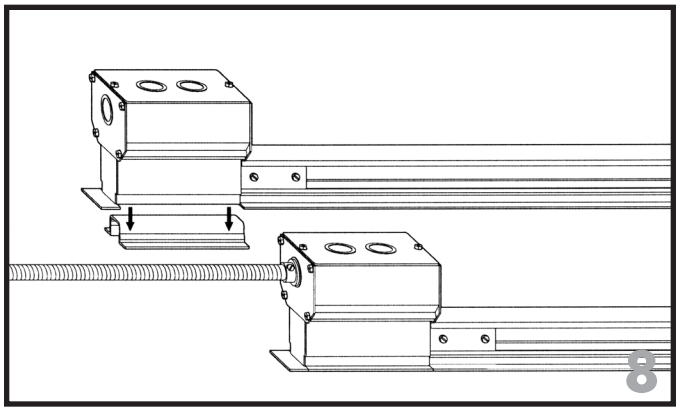
For an alternate wiring method:
- cut short lengths of #12 AWG solid wire
- secure one end of each to the terminal screws
- splice the other ends to the service wires, and
- stuff the splices into the End Feed.

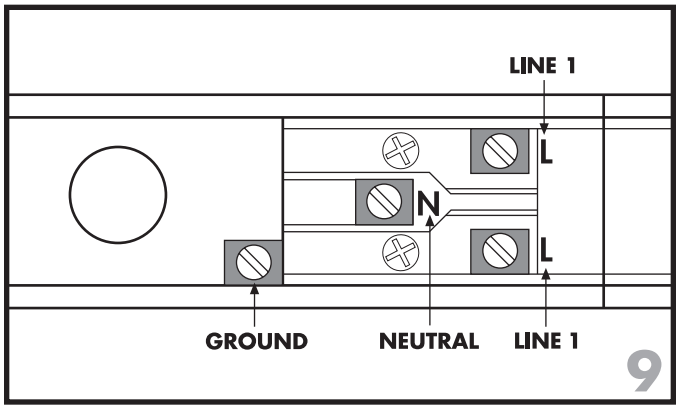
All SightLine R Feeds are c UL us listed for this procedure.

7. Replace the **terminal cover**.









In Line Feed

SightLine R should be serviced by #12 AWG solid wire. Each Feed includes knockouts for ½" or ¾" 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 can be wired in one or both of the two ways diagrammed on page 1.

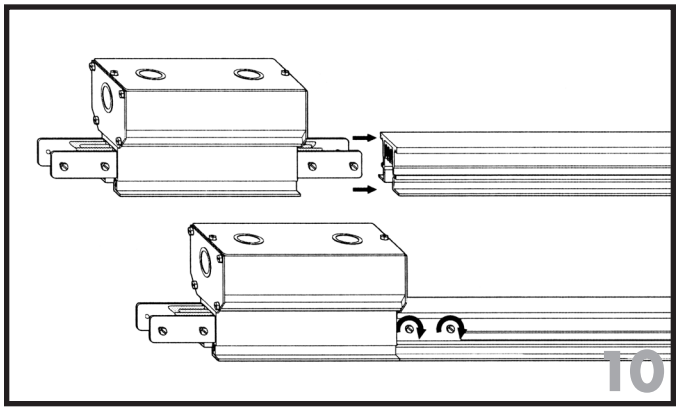
7. Slip the stripped leads under the **terminal screws** and tighten the screws. The terminal screws are identified in Figure 12.

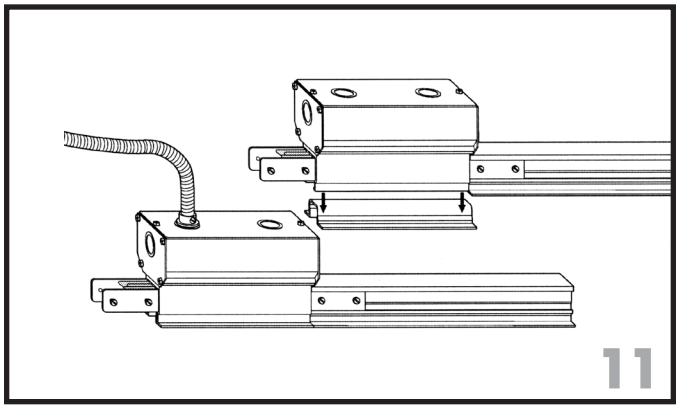
Three circuiting plans are possible. [Fig. 13]

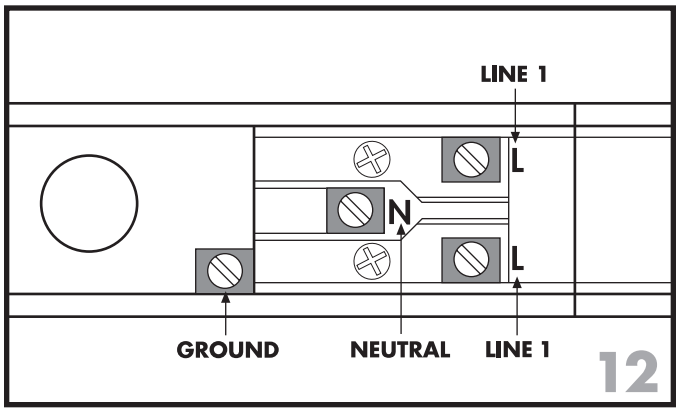
If a Two-Way Feed is desired:
- cut short lengths of #12 AWG solid wire
- secure one end of each to the terminal screws
- splice the other ends to the service wires, and
- stuff the splices into the In Line Feed.

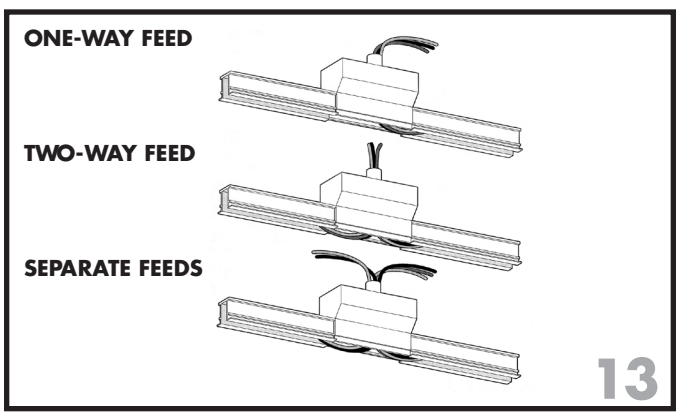
This wiring method can be used for One Way and Separate Feeds as well. All SightLine R Feeds are c UL us listed for this procedure.

8. Replace the **terminal cover**.





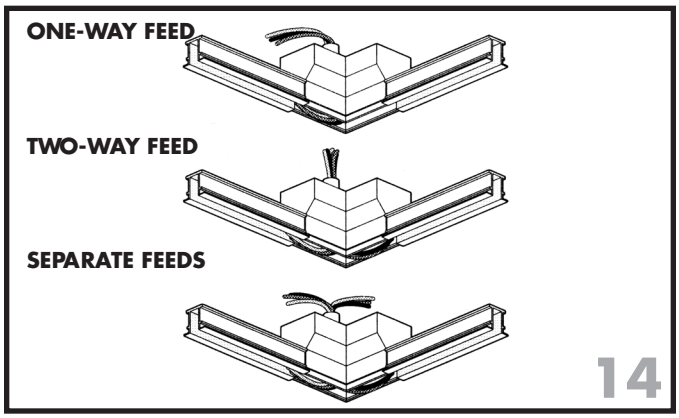




L Joint

The installation of an L Joint as an electrical feed is identical to that of an In Line Feed. Follow the steps on page 5.

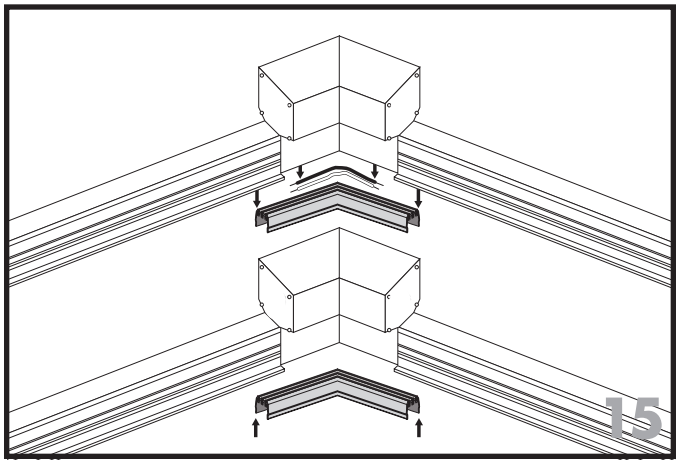
The three circuiting plans possible for an L Joint Feed are shown in Figure 14.



L Joint (unelectrified)

L Joints, T Joints and X Joints include jumper wires that may be used to join the circuit(s) in adjoining Tracks. Circuits can be *separated* at Joints as follows. [Fig 15]

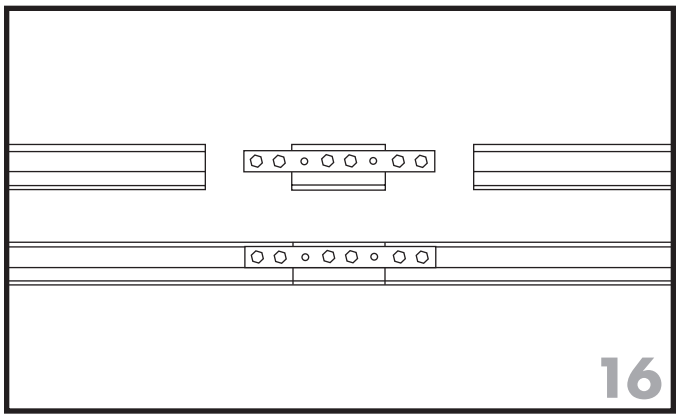
1. Remove the **terminal covers** from the Joint.
2. Loosen the **terminal screws** and remove the **jumper wires.**
3. Re-tighten the **terminal screws** and replace the **terminal covers.**



separating circuits on a run of 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.

Attach the **Dead Splice** to the first **Track.** Align the two components carefully, then press them together firmly. Attach the second Track to the Dead Splice in the same manner. [Fig. 16]



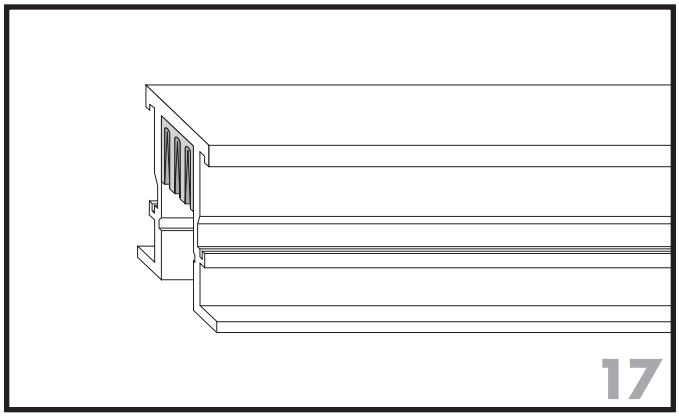
field cutting track

SightLine 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. 17]

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. 18]