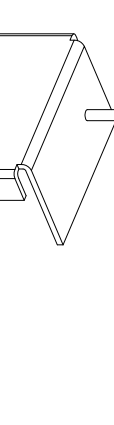


BUSWAY SUPPORTS ARE SUPPLIED BY OTHERS WITH THE MAXIMUM SPACING BETWEEN HANGERS OF 10'-0". A VARIETY OF HANGERS ARE AVAILABLE TO SUIT MOST SITUATIONS (SEE CATALOG).

OF 10'-0". A VARIETY OF HANGERS ARE AVAILABLE TO SUIT MOST SITUATIONS (SEE CATALOG).

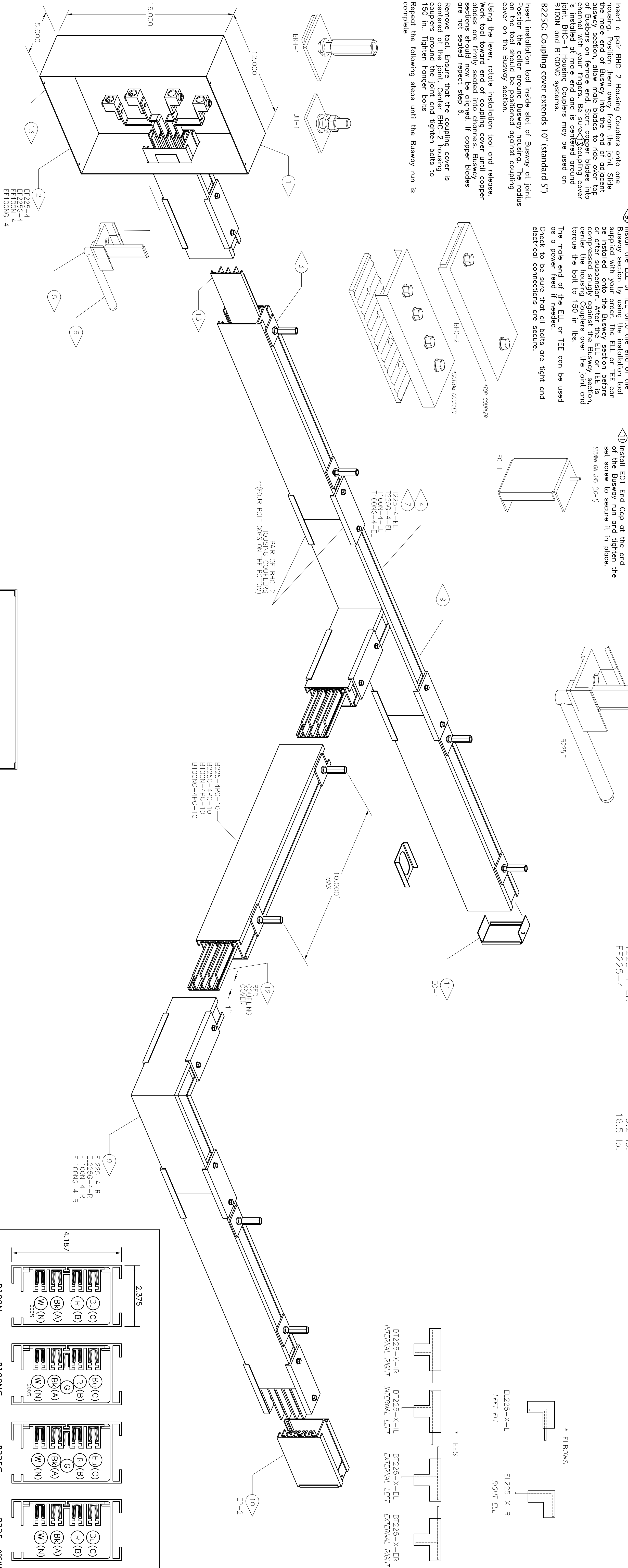
Tools needed to install Busway: Installation tool (provided), 9/16" open end wrench and a slotted head screw driver. Two men are needed to install a 20ft. section of B225/B225C/B100N/B100NG Plug-in Busway.

- 1** Begin installation at one end of the Busway, preferably the end at the customer supplied power source. **2** If an End Feed Box is used, it can be attached before or after, to the first section of Busway prior to the installation of the Busway on the supports. The protruding copper bars with the insulator and the housing of the End Feed Box. Power can also be connected to the Busway by using a Terminal Block or a fused Plug-In Unit. **3** Insert hanger bolts into the hanger channel of the Busway. Secure this section to the Busway supports.
- 4** Insert a pair BHC-2 Housing Couplers onto one housing. Position them from the joint. Slide the male end of Busway into the end of adjacent busway section, allow male blades to ride over top of Busbars on female end. Start copper blades into channel with your fingers. Be sure **5** Coupling cover is installed at male end and is centered around BHC-2 Housing Couplers. BHC-2 Housing Couplers may be used on BTUON and BTUONE systems.
- B225C: Coupling cover extends 10" (standard 5")**
- 6** Check to make sure that you have the appropriate ELL or TEE for the direction of travel. Refer to the illustration on right.
- The ELLs or Tees are designed to carry power around a corner or 90° intersection.
- Warning: Plug-In Units cannot be installed into an ELL or TEE.**
- You must be a minimum of 6 inches away from the Housing Couplers on the Busway to install a Plug-In Unit.
- 7** Install the ELL or TEE onto the end of the Busway section by using the installation tool supplied with your order. The ELL or TEE can be installed with the Busway section before or after suspension. After the ELL or TEE is compressed snugly against the Busway section, center the Housing Couplers over the joint and torque the bolt to 150 in. lbs.
- The male end of the ELL or TEE can be used as a power feed if needed.
- Check to be sure that all bolts are tight and electrical connections are secure.
- 8** The end piece is used to insulate the copper bars that protrude out of the end of the Busway section.
- To install the End Piece, first install a pair of housing couplers onto the end of the Busway section. Then install the End Piece with the insulator and the housing coupler with the housing, gently slide the End Piece into place until it butts with the end of the housing section. Center and tighten housing couplers.
- 9** Install EC1 End Cap at the end of the Busway run and tighten the set screw to secure it in place.
- SHOWN ON DWG (EC-1)*
- 

Catalog

Wt.

RELATIONS				
ZONE	REY	DESCRIPTION	DATE	APPROVED
B	ADDED B160 AND B100A		1/27/06	SJR



The FE225-3/FE225-4, FE225G-3/FE225G-4, FE225-3/FE100N-4, and the FE100N-3/FE100N-4 End Feed units are used to make field wiring connections to the B225/B225G/B100N/B100N-4 Busway at the end of a run. The End Feed units include a standard section. There is a standard and mole end version. Wiring connections are made to the copper blades by means of aluminum box style lugs. It is best to begin Busway installation at the end where the power connections are to be made.

For all versions, safety ground connection is made to the box with the lug provided. Isolated ground systems provide a separate, additional connection.

Warning: Make sure the power is off before making your wire connections inside the End Feed Box.

For field wiring: Insert the end of the cable into the lug. This will accept up to 300 MCM cable. Secure by tightening the screw according to the torque table shown below. Repeat for the remaining connections.

WIRE SIZE	TORQUE
2-1	275
1/0	275
2/0	275
3/0	275
4/0	275
250	275
300	275

The diagram shows a cross-section of a cable lug assembly. A cable is inserted into a lug, which is secured by a screw. The assembly is mounted on a base. Labels include 'LUG' pointing to the lug, 'BLADE' pointing to the base, and 'WIRE' pointing to the cable.

A schematic diagram of a blade assembly. It shows a rectangular frame containing a circular area with a grid of small circles. A label 'LUG' points to a horizontal bar at the top of the frame. A label 'WIRE' points to the grid of circles. A label 'BLADE' points to the left vertical side of the frame.

NOTES:
BUSWAY WEIGHT
100 LBS.
225 AMP B
3 OR 4

RESTRICTIONS:
T0 - 0

B225-XP6-20

ANY
LENGTH IN FEET

ISOLATED GROUND

ISOLATED GROUND

TRACK BUSWAY

A DIVISION OF UNIVERSAL ELECTRIC CORPORATION

STARLINE

UNIVERSAL