

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).

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 B100A Plug-In Busway.

- ➊ Begin installation at one end of the Busway, preferably the end at the customer supplied power source. ➋ If an end feed box is used, it can be attached to the first section of Busway prior to the installation of the Busway on the supports. The protruding copper bars should be pointed in the direction of the End Feed Box. ➌ If a Plug-In Unit is used, the Busway by using the Top Feed Power Supply or a Plug-In Unit. ➍ Insert hanger bolts into the hanger channel of the Busway. Secure this section to the Busway supports.

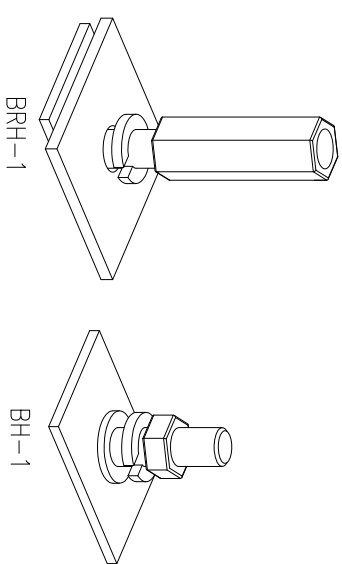
- ➎ Insert a pair BHC-1 Housing Couplers onto one housing. Position them away from the joint. Slide the mole end of Busway into the end of adjacent housing. The mole end of the adjacent section of Busway should be pointed in the direction of the Busway on the female end. Start copper blades into channel with your fingers.

- ➏ Insert installation tool inside slot of Busway at joint. Position the collar around Busway housing. The fingers on the tool should be positioned against the male blades on the Busway section.

- ➐ Using the lever, rotate installation tool 90° clockwise until copper blades are firmly seated into channels. Busway sections should now be aligned.

couplers around

Repeat the following steps until the Busway run is complete.
In Canada electrical code requires Busway to be mounted at least 10 feet above the floor.



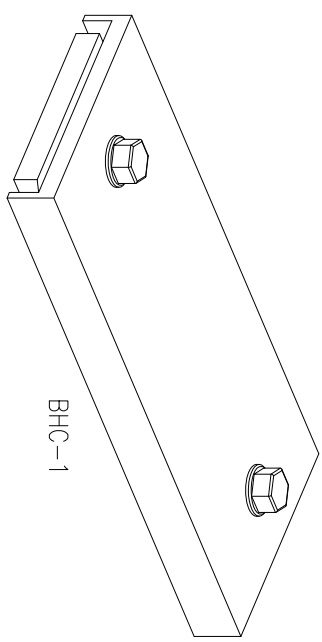
The ELLs or TEEs are designed to power around a corner or 90° intersection.

Warning: Plug-In Units cannot be installed into an ELL or TEE.

You must be a minimum of 6 inches away from the end of the Busway section to install a Plug-In Unit.

- ➑ 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 on the end of the Busway section 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 mole 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.

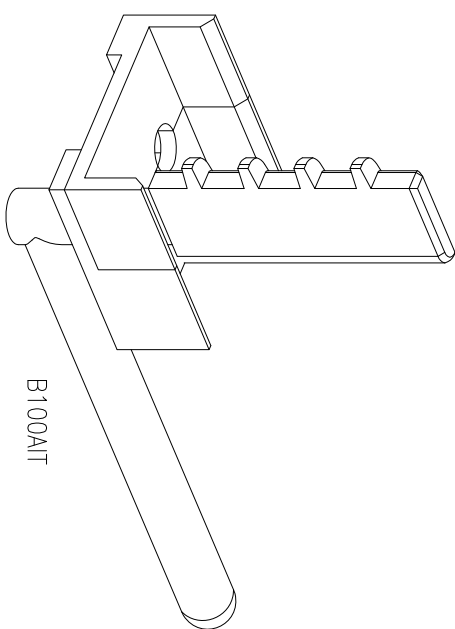
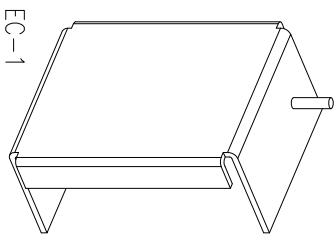


- ➒ The end piece is used to insulate the copper bars that protrude out of the end of the Busway section. If you are using the copper bars on the Busway section as End Power Feed, the end piece will not be needed.

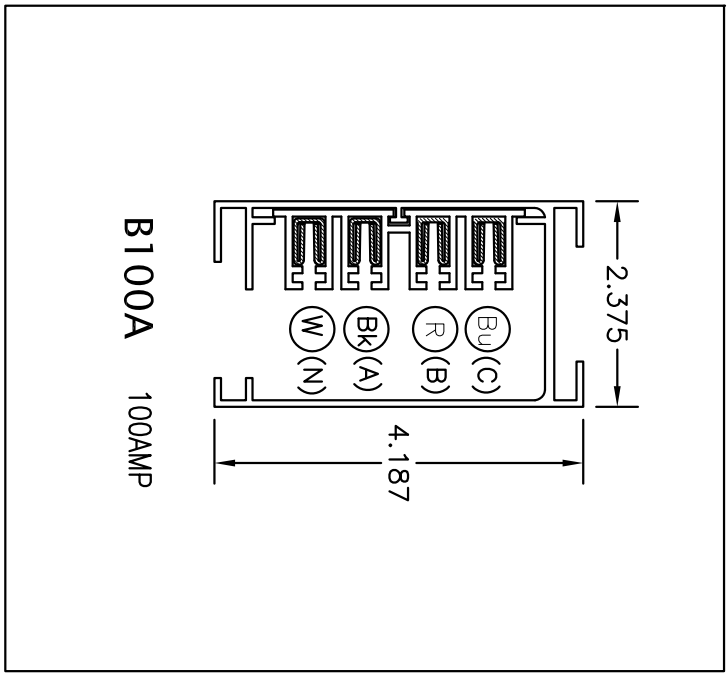
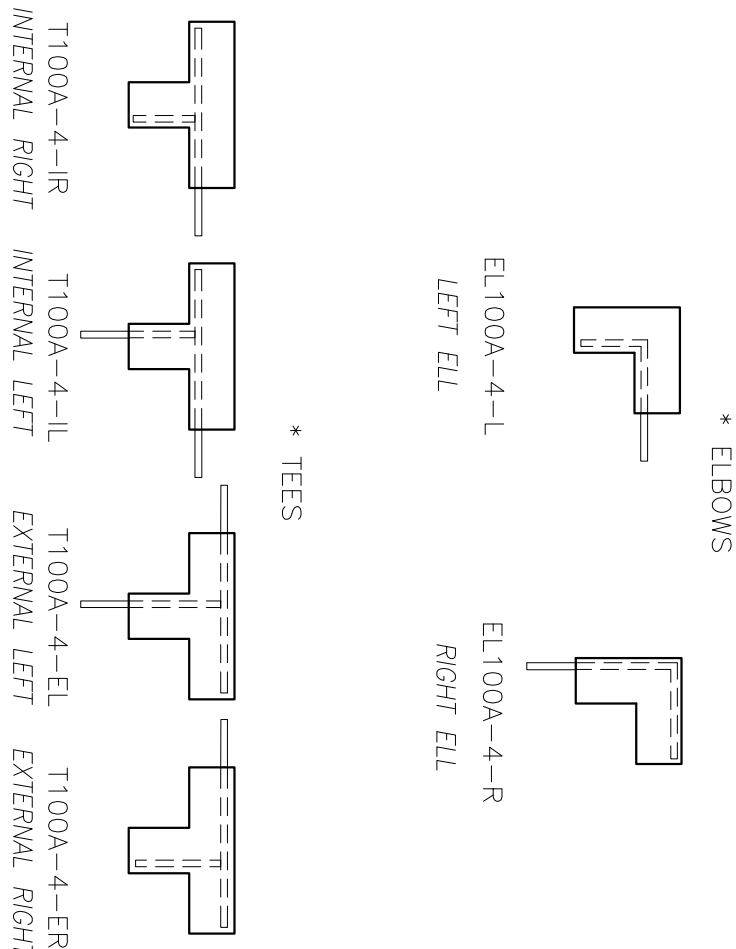
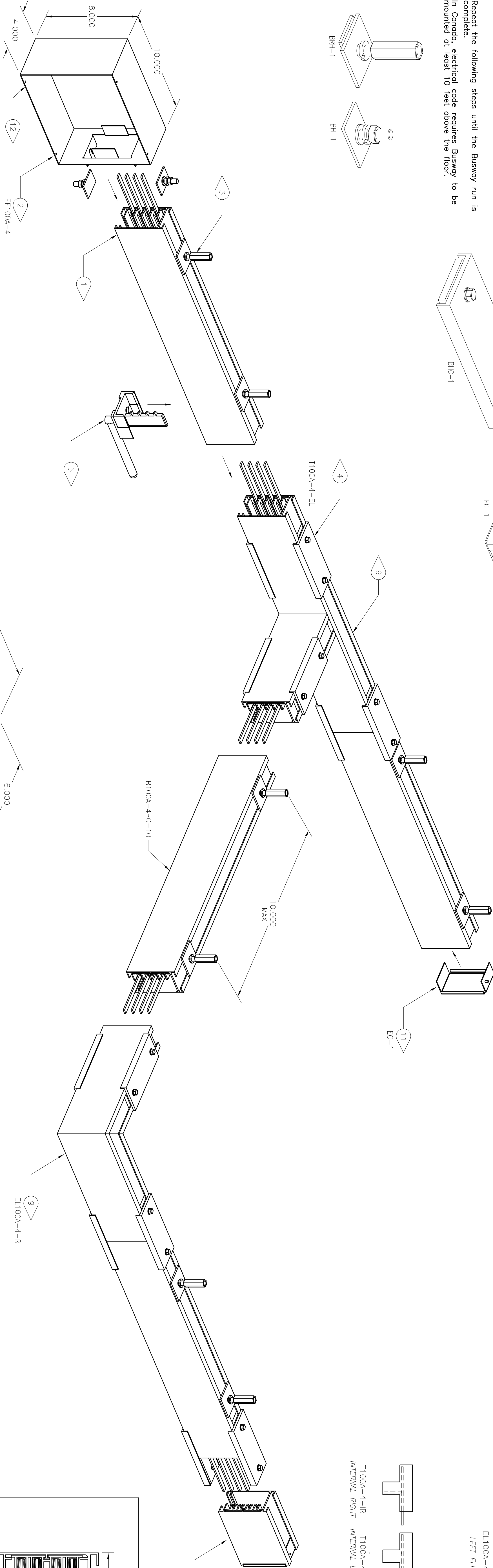
To install the End Piece, first install a pair of housing couplers onto the end Busway section. Align the copper bars with the insulator and the housing coupler with the housing, gently slide the End Piece into place until it butts up against the housing section. Center and tighten housing couplers.

- ➓ 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)



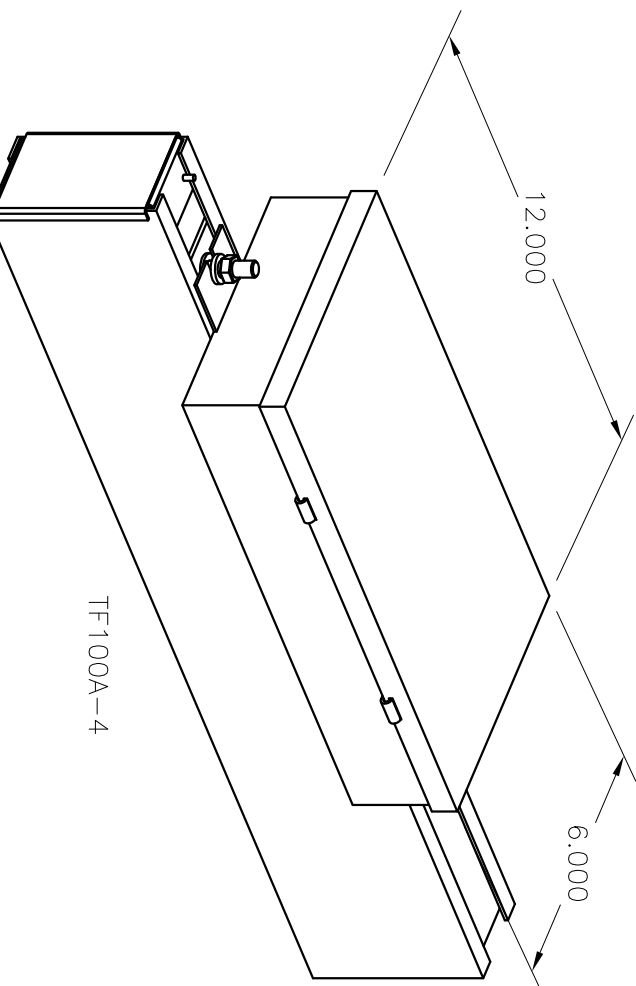
CATALOG #	WEIGHT
B100A-4PG-20	64 lb.
BH-1	.2 lb.
BHC-1	.3 lb.
EF100A-4	.2 lb.
EF100A-4-R	6.2 lb.
T100A-4-IR	9.2 lb.
T100A-4-IL	14.5 lb.
TF100A-4	



NOTES:
BUSWAY WEIGHT RESTRICTIONS:
100 LBS. @ 10'-0"

STARLINE
TRACK BUSWAY
A UNIVERSAL ELECTRIC CORPORATION

B100A-XPG-20
100 AMP BUSWAY
3 OR 4 POLE
LENGTH IN FEET



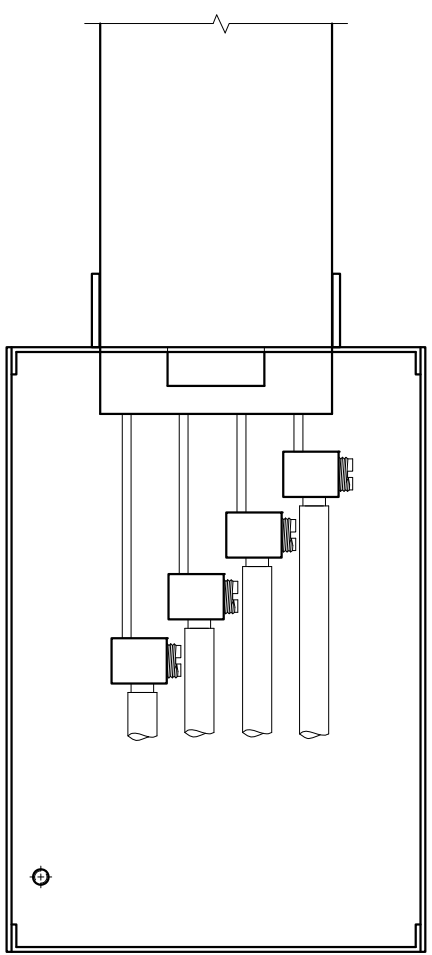
End Feed Lugs are supplied with the Box. Attach the lugs to the appropriate busway sections as follows: Beginning with the conductor at the bottom of the Busway, slip the lug over the copper blade. Slip the shrink tubing over the incoming power cable. Insert the end of the cable into the lug. This will accept up to #1 AWG cable (but be advised the #1 is a very tight fit). Secure by tightening the screw according to the torque table shown below. Slide the shrink tube provided over the copper blade and lug. Tighten the screw. Repeat for all conductors. We suggest trimming the copper blades in a diagonal pattern to give access to the screw of the lugs.

WIRE SIZE	TORQUE	LUG
14-10	35	N/A
8-4	40	BLADE
2-1	45	BLADE

WIRE

WIRE

BLADE



The aluminum housing is Listed by UL for use as a ground conductor. The plug-in units that are bolted to the Busway can be grounded through the housing. Extension of this ground to the customer's equipment should be done in a manner to comply with the National Electric Code.

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ZONE	REV	DESCRIPTION	DATE	APPROVED
B		changed company info	03/20/08	
SIZE	DRAWN BY	DATE	DWG NO.	REV
D	JAR BR	04/19/06	199-0017-2	B
SCALE	NTS	SHEET 1 OF 1		