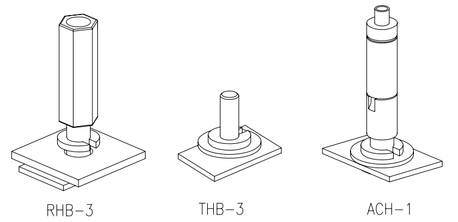
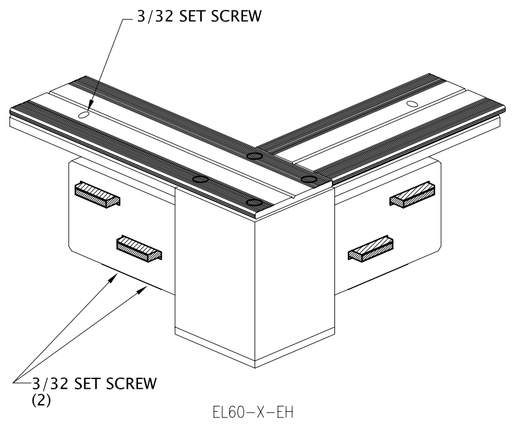
BUSWAY SUPPORTS ARE SUPPLIED BY OTHERS WITH THE MAXIMUM SPACING BETWEEN HANGERS OF 3.048m. A VARIETY OF HANGERS ARE AVAILABLE TO SUIT MOST SITUATIONS (SEE CATALOG).

<1> Begin installation at one end of the Busway, preferably the end at the customer supplied power source. <2> Insert hanger bolts, as shown, into the hanger channel of the busway at 3.048m intervals. Secure this section to the Busway supports. Install the next section in a similar manner, except now leave it hang loosely in the hanger supports.

<3> Be sure that the polarizing lip of each section matches that of the adjacent section.



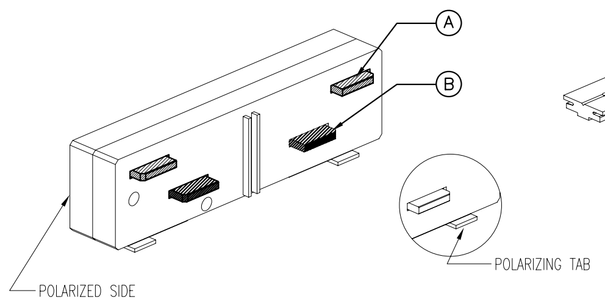


<4> The HC-1 or HC-2 Housing Coupler and the **BC-X Bus Connector are used to connect adjacent Busway sections. Be sure that the BC connector used is the proper style for the Busway type. <5> Insert the BC type Busway Connector into the end of the first Busway section, taking care that the copper blades align with the copper bars in the Busway.

<6> The Bus Connector has a polarizing tab insuring the connector can be inserted only one way. It should fit snugly.

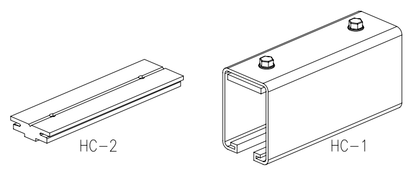
** BC-4, BC-2

* BC-4: (4)COPPER BLADES IN ALL LOCATIONS. (N,A,B,C) (A)
USED FOR (4) POLE SYSTEMS SHOWN ON DWG (BC-4)
* BC-2: (2)COPPER BLADES, NYLON BLADES ON POLARIZED SIDE (N,A). (B)
USED FOR (2) POLE SYSTEMS SHOWN ON DWG (BC-2)



<7> You may use either the HC-1 Coupler or the <4> HC-2 shown. Insert Coupler for joining two Busway sections. Loosen the two set screws in the HC-2 or the bolts on the HC-1 coupler and slide it over the end of the first Busway section, positioning it away form the joint.

<8> Next, slide the second Busway section onto the protruding end of the BC connector. Both aluminum housings should now be butted against each other. Check to make sure that the BC connector is centered around the joint. With the 3/32 Allen wrench, tighten the 4 set screws on the bottom of the Bus Connector.

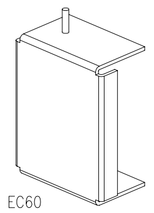


<9> Now center the housing coupler over the joint and tighten the set screws on the HC-2, or bolts on the HC-1. Tighten the hangers on the second section of Busway.

Repeat the above steps until the Busway run is complete.

<10> Install EC60 End Cap at the end of the Busway run and tighten the set screw to secure it in place.

SHOWN ON DWG (EC60)



<11> The ELLS or TEES are designed to carry power around a corner or "T" intersection.

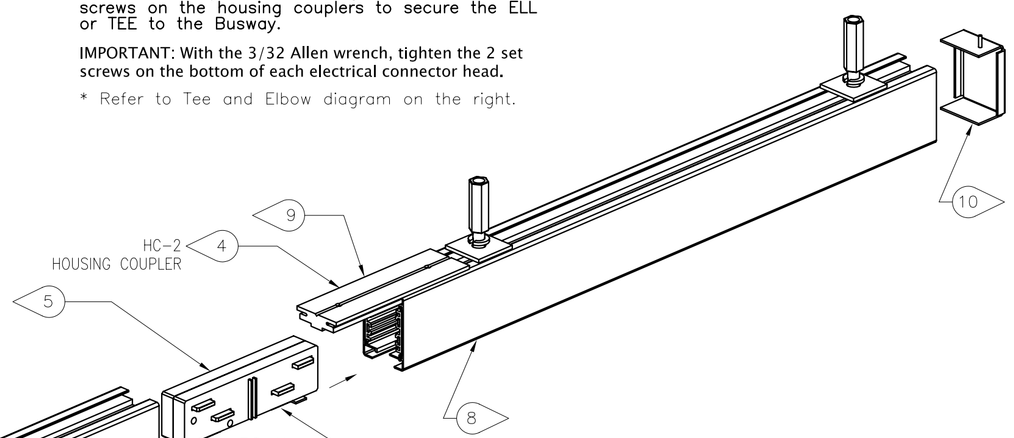
WARNING: PLUG-IN UNITS CANNOT BE INSTALLED INTO AN ELL OR TEE.

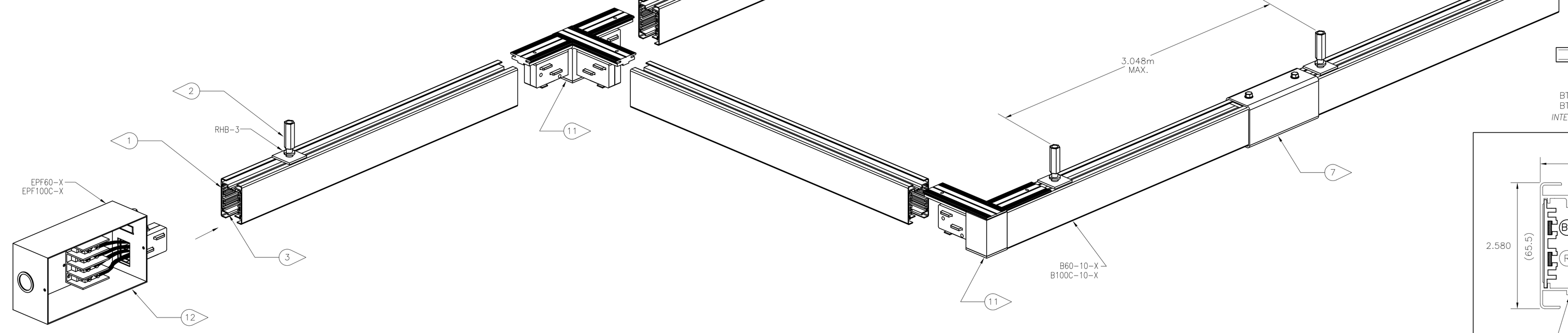
You must be a minimum of 4 inches away from the Housing Couplers on the Busway to install a Plug-in unit. Each ELL or TEE is pre-wired, providing electrical connector heads and housing couplers that connect directly to B60 Busway sections.

First, start to install housing couplers of the ELL or TEE onto the adjacent sections of B60 Busway (2 places for ELLs, 3 places for TEEs). Continue to install the ELL or TEE taking care that the copper blades of the electrical connector head are aligned with the copper bars in the adjacent Busway. When completely installed, the ends of the B60 Busway should butt up to the aluminum junction box. Tighten the set screws on the housing couplers to secure the ELL or TEE to the Busway.

IMPORTANT: With the 3/32 Allen wrench, tighten the 2 set screws on the bottom of each electrical connector head.

* Refer to Tee and Elbow diagram on the right.





<12> The EPF60-X End Feed units are used to feed power to the end of the B60/ B100C Busway.

Warning: Make sure the power is off before making any wire connections.

IMPORTANT (2 POLE ONLY): The (2) 3/32 set screws on the bottom of the Connector are tightened at the factory for shipping. Loosen set screws before installation.

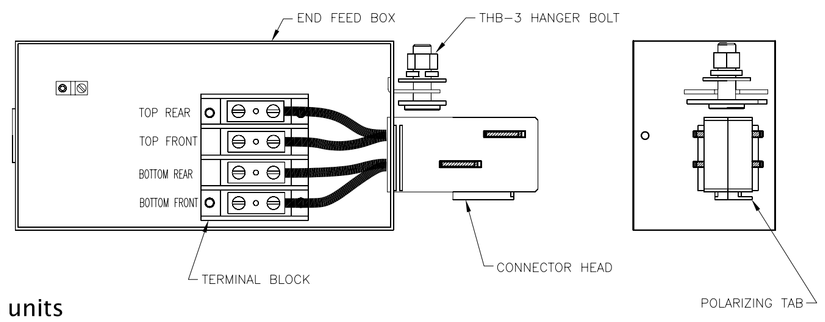
To install, slide the THB-3 into the top slot of the Busway, insert the Connector Head of the End Feed unit into the end of the B60 Busway. Pay close attention to the proper polarization between the Connector Head and the run of B60 Busway. If the End Feed is installed on the end where the polarizing tab of the Connector Head does not line up with the polarizing lip of the Busway, the polarizing tab should be removed.

Warning: This unit may be installed at either end of the Busway. Make proper wire connections to match the phase and neutral designations on your plug-in units. The standard phase designations are shown on the figure at the bottom right.

Continue to slide the End Feed into the B60 Busway until the Busway housing rests against the End Feed box. Tighten the THB-3 Hanger bolt to 150 in/lbs to secure the End Feed box to the Busway.

IMPORTANT: With the 3/32 Allen wrench, tighten the 2 set screws on the bottom of the Connector Head to secure the electrical connection.

For incoming wiring, knock out the appropriate size hole for the wire you are using into the end or side of the End Feed box. A terminal block is mounted inside the End Feed box for field wiring. The terminal block is wired to the Connector Head at the factory. The terminal accepts wires ranging between #4 and #14AWG. Check to be sure that all electrical connections are secure before you close the lid on the End Feed unit.



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.

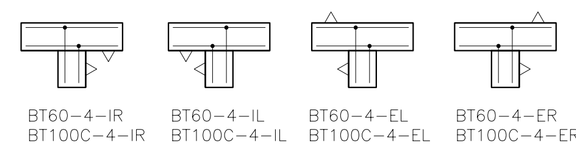
* ELBOWS

EL60-4-EH
EL100C-4-EH
EXTERNAL ELL

EL60-4-IH
EL100C-4-IH
INTERNAL ELL

POLARIZING LIP

* TEES

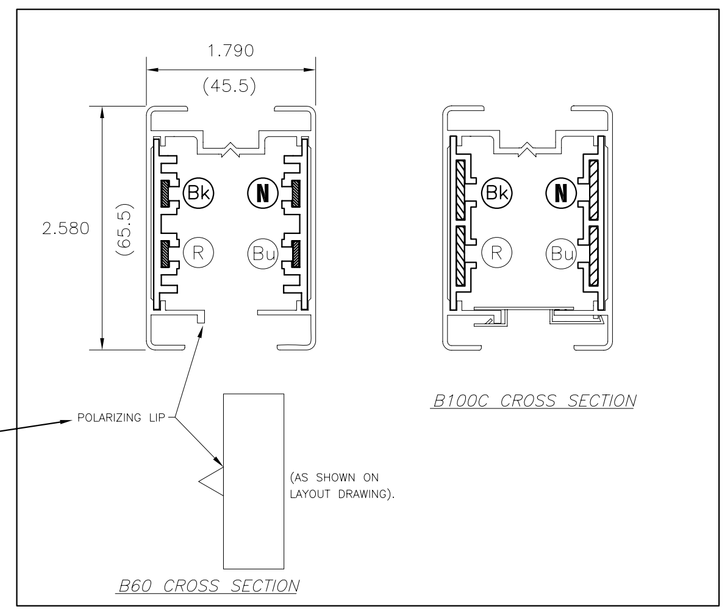


BT60-4-IR
BT100C-4-IR
INTERNAL RIGHT

BT60-4-IL
BT100C-4-IL
INTERNAL LEFT

BT60-4-EL
BT100C-4-EL
EXTERNAL LEFT

BT60-4-ER
BT100C-4-ER
EXTERNAL RIGHT



NOTES:

BUSWAY WEIGHT RESTRICTIONS:
45.36 Kg. @ 3.048 M

B60-20-X
- 60 AMP BUSWAY
- LENGTH IN METRES
- 2,3 OR 4 POLE

STARLINE TRACK BUSWAY
A DIVISION OF UNIVERSAL ELECTRIC CORPORATION

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

UNIVERSAL ELECTRIC CORPORATION
168 GEORGETOWN RD CANONSBURG, PA 15317
800/245-6378 FAX 724/916-2221 www.uecorp.com

B60/B100C ASSEMBLY INSTRUCTIONS

SIZE	DRAWN BY	DATE	DWG NO.	REV
D	EJS	10/18/99	179-0041-0	E
	APR BY	APR BY		
SCALE NTS		SHEET 1 OF 1		