

**BELL SYSTEM PRACTICES**  
**Outside Plant Construction**  
**and Maintenance**

**ADDENDUM G71.136**  
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## **CABLE TERMINATING**

### **ORDERING AND INSTALLING CABLE FORMS**

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#### **1. GENERAL**

1.01 This addendum covers the method of terminating cable pairs on main and double-sided protector frames equipped with C50, C52, E50 and E52 protector mountings. These protector mountings supersede the 77A and 77B protector mountings. The C50 and C52 protector mountings are arranged for both heat coils and protector blocks; the E50 and E52 protector mountings are arranged for protector blocks only. The E type mountings are intended for use in toll cable plant where heat coil protection is not required. The C50 and E50 protector mountings are designed to terminate 50 pairs each and the C52 and E52 protector mountings 52 pairs each.

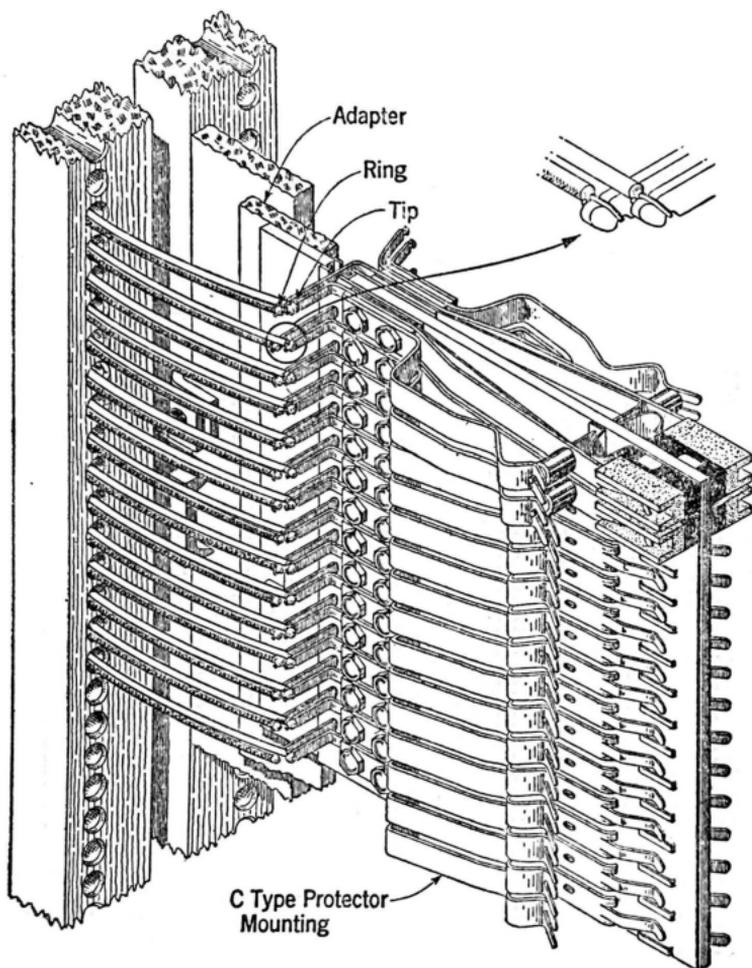
1.02 The lugs for terminating the outside cable pairs are on the left-hand side of the new protector mountings and those for terminating the jumper wires are on the right-hand side. This arrangement avoids the necessity for separating the tip and ring conductors of cable pairs and threading them through separate fanning holes on opposite sides of the mountings.

## **2. ATTACHING PROTECTOR MOUNTINGS TO VERTICALS**

2.01 The C50, C52, E50 and E52 protector mountings should be attached to the verticals with No. 12-24 (.216 in.) round head machine screws. Where the C or E type protector mountings are to be placed on verticals arranged for 77A protector mountings, adapter ED-91268-30-G3 should be attached to the vertical of a 14-1/2-foot frame and adapter ED-91306-30-G3 to the vertical of a 12-1/2-foot frame. Where 77A protector mountings are to be placed on verticals arranged for either 444 jacks or C50 and C52 mountings, adapter ED-91268-30-G2 should be attached to the verticals of 14-1/2-foot frames and adapter ED-91306-30-G2 to the verticals of 12-1/2-foot frames. The adapter installed on a vertical is illustrated in Paragraph 3.01. A C52 or E52 protector mounting should be attached to the protector mounting support or adapter at the top and bottom of each vertical and C50 or E50 mountings in the space between the C52 or E52 protectors. To determine the type protector mounting for which a vertical or adapter is designed, measure the spacing between the tapped holes. The holes in verticals designed for 77A protector mountings are on 9-inch centers, for C50 and E50 protectors the holes are on 7-1/2-inch centers and for C52 and E52 protectors the holes are on 7-7/8-inch centers.

### 3. TERMINATING CABLE PAIRS ON PROTECTOR MOUNTINGS

3.01 **C50 and C52 Protector Mountings:** One cable pair should be brought through each hole in the fanning strip. The method of connecting the wires to the lugs of the protector mountings is illustrated in the following sketch.



**3.02 E50 and E52 Protector Mountings:** The cable pairs should be terminated on these protector mountings as indicated in the sketch below.

