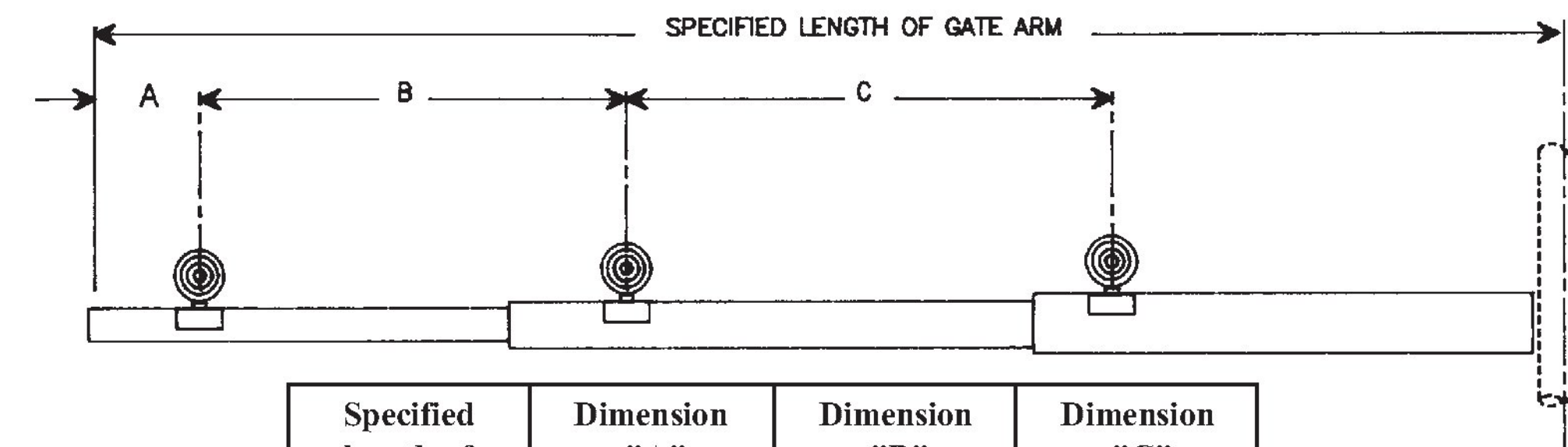


12. Install gate arm lights using provided hardware. Attach cable to the arm using eyelets provided. Leave slack in the cable between eyelets to provide drip points. Route cable through cable grip installed in the mechanism and terminate wires at required binding posts or fuse block panel. Refer to figure 9 for proper lamp spacing.
13. Install signal light units, signs and bell or pinnacle as required. Complete electrical wiring to these units.



Specified length of gate arm	Dimension "A"	Dimension "B"	Dimension "C"
14 Ft.	6"	36"	5'-0"
15 Ft.	18"	36"	5'-0"
16-17 Ft.	24"	36"	5'-0"
18-19 Ft.	28"	41"	5'-0"
20-23 Ft.	28"	4-0"	5-0"
24-28 Ft.	28"	5-0"	5'-1"
29-31 Ft.	36"	6-0"	6'-0"
32-34 Ft.	36"	7-0"	7'-6"
35-37 Ft.	36"	9-0"	9'-0"
38 Ft. & Over	36"	10-0"	10'-0"

**Suggested Roadway Gate Arm Light Spacing**  
**Figure 8**

**NOTE: The installation must be properly wired and power applied at this time, and from this time forward.**

14. **Installation of Counterweights**  
Oblong counterweights on cast iron or aluminum counterweight arms.  
Refer to figure 9, page 16 and tables 1 and 2, pages 21 and 22.

Install the counterweight support plate to the counterweight arm by inserting the clamp washer (short) studs through the slot from the outside of the arm. Install the clamp washers, flat washers and nuts to the studs. Locate the support plate near the center of the slot and tighten the clamp washer nuts. Be sure that the teeth in the clamp washers are seated into the teeth on the inside of the counterweight arm.

Raise and secure the gate arm in the up (vertical) position. Install the counterweights to the counterweight (long) studs. Install the flat washers and nuts to these studs and hand tighten the nuts. If two counterweight arms are supplied, distribute the weights evenly on the two arms. Align the weights and insert the alignment bolt into the holes at the bottom of the weights. Install washers and nut onto the alignment bolt and securely tighten. Now position the weights near the middle of the slot in the weights and securely tighten the counterweight nuts. Lower the gate arm to the horizontal position.