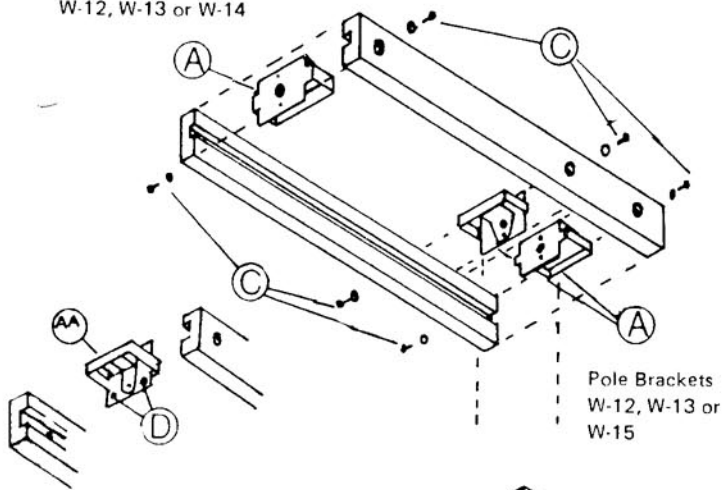
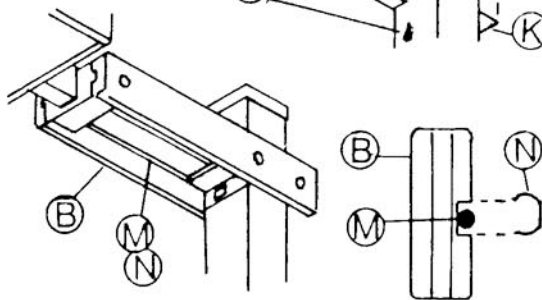
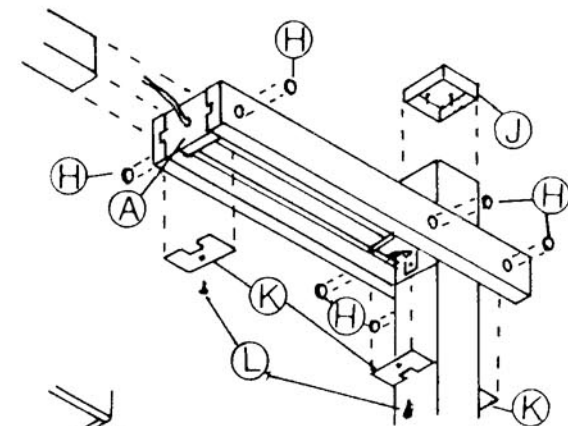
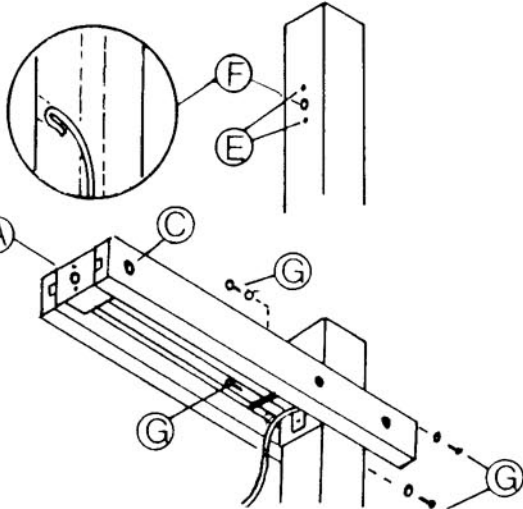


## INSTRUCTIONS FOR TIMBER WOOD LIGHTING STANDARDS ONE-WAY (TYPE A) CROSSARMS



Pole Brackets  
W-12, W-13 or  
W-15



Follow these instructions for proper assembly and installation of Type A crossarms. For installation of the luminaires, lighting standards, bracket arms and adapters, follow instructions furnished with those elements.

**NOTE:** The aluminum channels now being included with the crossarms are designed to provide added strength to the assembly and should not be removed.

Provide suitable work support. Remove protective wrapping from crossarms only when assembly and erection work is ready to begin. See finishing note, reverse side.

1. Locate and bore holes in lighting standard for brackets and raceway access hole. See fabricating instructions, reverse side. Note precautions regarding pole camber and accuracy of pilot hole location. (See reverse side.)
2. Fish circuit wire through raceway. Bend wire back into access hole "F".
3. Preassemble crossarms "B" and brackets "A" using  $\frac{1}{2}$ " bolts "C", with washer in counterbored holes of crossarm. Tighten bolts to snug position, to seat bracket key into wood keyway, then *back off* about one turn. For inboard mounting of luminaire, end bracket is mounted as indicated in "AA", see reverse side for boring hole "D".
4. Slip preassembled crossarms over top of pole into position at prebored lag bolt holes "E" and raceway access hole "F". Wire may now be hooked and pulled through bracket.
5. Fasten bracket to standard pole with  $\frac{3}{8}$ " bolts, "G" and washers. Use the thru bolt at the top and the  $1\frac{3}{4}$ " lag bolt at the bottom. Check for perpendicular alignment of crossarms. Fully tighten, making sure bracket faces are seated tight against face of pole.
6. Now tighten all  $\frac{1}{2}$ " bolts "C". (Do not crush wood under washers.)
7. Insert plastic plugs "H" into counterbored holes in crossarms and press firmly into place.
8. Mount cap "J" over top of standard.
9. Mount and connect luminaire. Leave just enough wire to lay snug and trim in crossarm groove "M".
10. Cover wires in crossarm raceway groove "M" with rigid PVC raceway snap-cover "N". Fasten bracket cover plate "K" with furnished machine screw "L". Wires enter or exit bracket through slide slot.
11. Erect *complete assembly* in accord with instruction furnished with lighting standard.