1. All welds shall be ground smooth.
2. Axis of pole extension shall coincide with axis of trolley pole.
3. In lieu of mounting extensions to shafts with machine bolts, extensions complete with sleeves furnished therewith, may be welded to shafts with 1/4" wide continuous plug welds all around.
4. Pole extension, luminaire arm, and pole cap shall be steel, hot-dip galvanized after fabrication.
5. Pole extension with welded sleeve, extension and sleeve shall have same gauge steel as existing pole. Length of extension as required.
6. Two-screw bracket arm connection shall be made with hot-dip bolts and neoprene gasket.
7. Drill 1 1/4" wire entry hole on extension (grid hole to a smooth finish after drilling).
8. 1 1/4" galvanized 1/4" conduit fitting for poles at intersection only. Cover of conduit fitting shall be furnished with stainless steel screws and neoprene gasket cemented to covers with an approved type of automotive engine gasket cement.
9. If extension is required to shaft in lieu of bolting to shaft, then tension need only be 6" long (3" installed in extension and 3" installed in shaft). The tension shall be plus relieved, with 4 symmetrical spaced welds to tension.
10. Drill and tap sleeve and pole for 1/2"-13 stainless steel M.I. & screws with stainless steel core-drilled washers with internal teeth required.

DETAIL 1

CONNECTION OF POLE EXTENSION TO EXISTING TROLLEY POLE

ELEVATION

LUMINARIE AS SPECIFIED

TAPERING ELLIPTICAL BRACKET ARM 6 FOOT LONG UNLESS OTHERWISE SPECIFIED

REMOVABLE CAP RETAINED BY THREE STAINLESS STEEL SET SCREWS

2'-8" RISE

PROVIDE A NEOPRENE GASKET AND OXIDE SEAL BETWEEN POLE TOP AND POLE EXTENSION

CONDUIT UNION

EXISTING TROLLEY POLE

1-HOLE GALVANIZED MALLEABLE PIPE STRAPS AT 2'-6" CENTER TO CENTER

1/2" CONDUIT

CONDUIT UNION

ROADWAY

1 1/2" CONDUIT TO PULL BOX

1 1/2" GRACE

SHELF GRACE

This Standard Plan was developed for use on public works projects in the City and County of San Francisco, and shall not be used without consulting a Registered Professional Engineer. The Department of Public Works reserves the right to make revisions to this Standard Plan at any time.