Surge protectors
(metal oxide-
varistor type)

2-1/c #10 XLP-USE
cable to each
luminaire

Cable splices according
to Art 1066.06 with
compression connectors
appropriately taped.

For each luminaire
use 2 pole fused
quick disconnect.
For receptacle
circuit (not shown)
use 2 pole
fuseholder with
solid neutral.

Stainless steel standard grade wire cloth,
6x6 (1/4") mesh or less with #16 gauge
(0.062") diameter or heavier wire.

Attach with 1/2" stainless steel banding
or tie back onitself with stainless steel wire ties.
Finished installation must prevent rodent entry.

Pole base plate

Pole
ground
lug

1" leveling nuts

Wireway window
in pole foundation

WIRING DETAIL
NO SCALE

GENERAL NOTES

All taped splices shall use 2 layers of electrical tape
over 3 layers of rubber tape as required by the
Standard Specifications. Coat the finished taped
splice with bonding compound.
All cable splices shall be taped unless another method
has been specifically approved by the Engineer.
For example purposes the pole is shown on an anchor base.
If the pole is required to be set on a breakaway base,
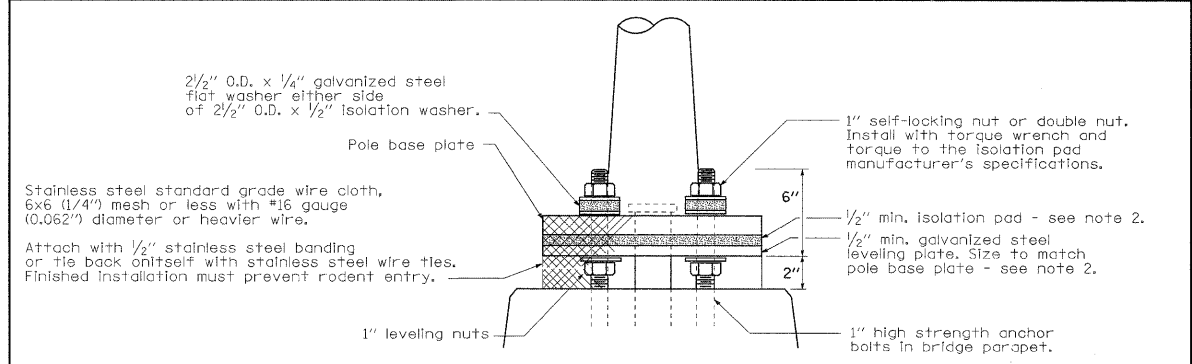consult the Standard Specifications.

All dimensions are in millimeters (inches)
unless otherwise shown.

DATE	REVISIONS	
7/31/08	Updated	POLE HANDHOLE WIRING
		DRAFT

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2½" O.D. x ¼" galvanized steel
flat washer either side
of 2½" O.D. x ½" isolation washer.

Pole base plate

Stainless steel standard grade wire cloth,
6x6 (1/4") mesh or less with #16 gauge
(0.062") diameter or heavier wire.

Attach with 1/2" stainless steel banding
or tie back onitself with stainless steel wire ties.
Finished installation must prevent rodent entry.

1" leveling nuts

1" self-locking nut or double nut.
Install with torque wrench and
torque to the isolation pad
manufacturer's specifications.

6"

½" min. isolation pad - see note 2.

½" min. galvanized steel
leveling plate. Size to match
pole base plate - see note 2.

2"

1" high strength anchor
bolts in bridge parapet.

Pole Mounted on Bridge Parapet Detail

GENERAL NOTES

Locate poles over bridge piers where possible.

The vibration isolation pad and leveling plate shall
match the footprint of the pole base plate.

Thickness of isolation pad and washers shall be
according to the isolation pad manufacturer's
recommendations based upon pole height
and loading.

Should the length of the exposed anchor bolts be too
short on an existing bridge to mount the poles as shown,
then the leveling plate shall be mounted directly on the
concrete and leveled with stainless steel washers.
Remove concrete as directed by the Engineer to fully
thread the top nut.

All dimensions are in millimeters (inches)
unless otherwise shown.

DATE	REVISIONS	
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