EXTERIOR SUPPORT
GENERAL FABRICATION AND INSTALLATION GUIDE

5" X 3" X 3/8" STEEL ANGLES (ALL) WELDED CONSTRUCTION
2" X 4" REDWOOD SPACER VERTICAL ONLY

(2) 3/4" INSERTS

A

B

12"

*SEE NOTE 5.
INTERIOR SUPPORTS
GENERAL FABRICATION AND INSTALLATION GUIDE.

CONDUIT MAY BE SINGLE OR DOUBLE TIER (CENTER SUPPORT REQUIRED IF IN EXCESS OF 8 CONDUITS TOTAL)

CLOSED EYE BOLT WITH 3/4" INSERT B болт MAY BE SUBSTITUTED FOR VERTICAL INSERT

5/8" INSERT

5/8" DIA., STAINLESS STEEL STUD BOLT-TYPICAL

2"x4" REDWOOD SPACERS

3"x3"x3/8" STEEL ANGLE

RESTRICTED CLEARANCE

A 4" MIN.

B

5/8" INSERT

1/4" BOLT

2 1/2"x1"x1/8" STEEL ANGLE

2"x4" REDWOOD SPACERS

REDWOOD SPACER EQUAL TO CHAMFER HEIGHT ON BRIDGE SECTION

1/2" DIAM. INSERT

ADEQUATE CLEARANCE

FLOOR MOUNTED

*SEE NOTE 5.
SUPPORTS FOR CONDUITS ON BRIDGES

NOTES:

1. Conduit to be as follows:
   A. For exposed installations - standard HDG or schedule 80 PVC.
   B. For enclosed installations - (isolated from public and maintenance crews) type DB Transite, ABS, PVC or HDG.

2. Supports to be at 7 ft. maximum spacing.

3. Spacers, when required, to be placed at each support.

4. No vertical spacing required for HDG or schedule 80 PVC conduit except as required for clearances at expansion joint installations. Both vertical and horizontal spacing required for all other type conduit.

5. Dimensions "A" and "B" to be determined from type, size and number of conduit installed. Conduit to be snug but not tight (to allow for lineal contraction and expansion).

6. Peen, center punch or spot weld at thread line of all bolts, to lock nuts in place.

7. Expansion joints (as recommended by the conduit manufacturer and approved by the Department) to be installed as follows:
   A. Transite & HDG - at each bridge expansion joint.
   B. Plastic - at 50 ft. (maximum) intervals or at each bridge expansion joint, whichever is the shorter dimension.
8. Expansion joints shall be installed per manufacturer's specifications. Compensating for ambient temperature.

9. Exterior supports to be located on downstream side of bridge.

10. Conduit configuration to be shown on working drawings. Typical illustrations shown are for illustrating material required.

11. Supports to be hot dipped galvanized after fabrication. All bolts, studs, nuts, etc. to be stainless steel.