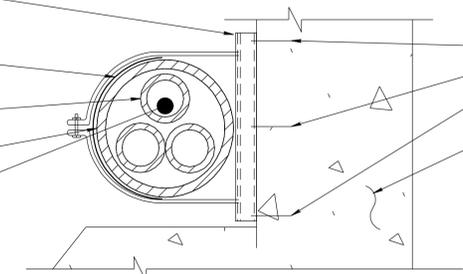


TYPICAL ELEVATION - CONDUIT INSTALLATION ON EXISTING BRIDGE / OVERPASS

GALVANIZED C-CHANNEL STRUT, 12 GA.
(INSTALL SUPPORT AND CLAMP AT 3' O.C.)

GALVANIZED CONDUIT CLAMP WITH CUSHION, NUT & BOLT (VIBRATION DAMPING) (TYP.)
ITS CONDUITS (TYP.)
CONDUIT SLEEVE
TRACER WIRE



SECTION C-C

CONCRETE SET BOLTS $\frac{3}{8}$ " X 3" (TYP.)

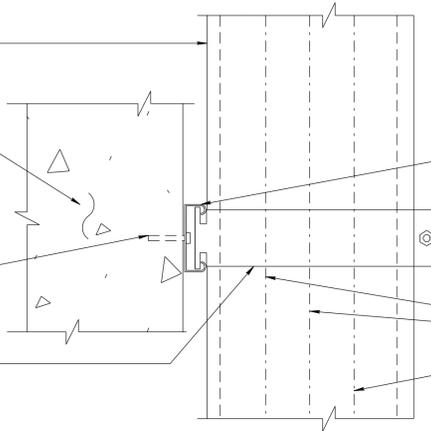
CONCRETE WALL

CONDUIT SLEEVE

CONCRETE PARAPET

CONCRETE SET BOLTS $\frac{3}{8}$ " X 3" (TYP.)

GALVANIZED CONDUIT CLAMP WITH CUSHION, NUT & BOLT (VIBRATION DAMPING) (TYP.)



SECTION B-B

GALVANIZED C-CHANNEL STRUT, 12 GA.
(INSTALL SUPPORT AND CLAMP AT 3' O.C.)

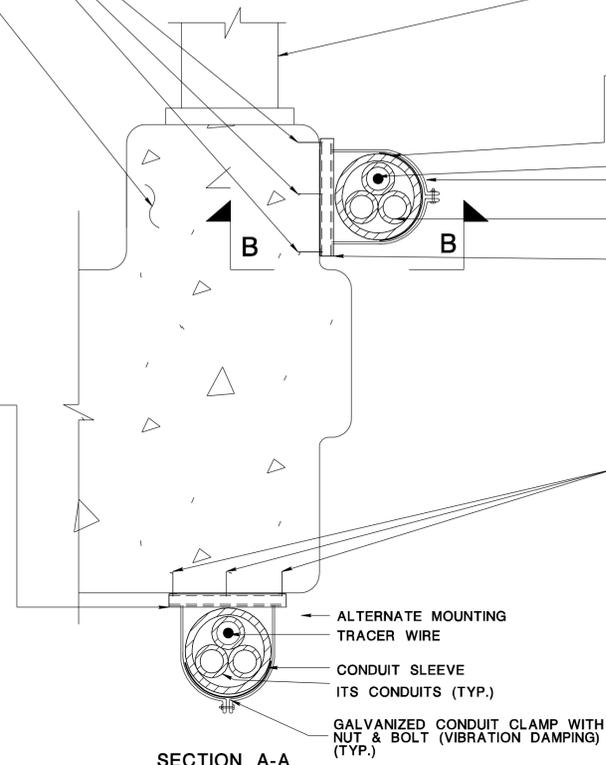
ITS CONDUITS (TYP.)

PARAPET RAIL

CONDUIT SLEEVE
TRACER WIRE

GALVANIZED CONDUIT CLAMP WITH CUSHION, NUT & BOLT (VIBRATION DAMPING) (TYP.)
ITS CONDUITS (TYP.)

GALVANIZED C-CHANNEL STRUT, 12 GA. (INSTALL SUPPORT AND CLAMP AT 3' O.C.) (TYP.)



SECTION A-A

ALTERNATE MOUNTING
TRACER WIRE
CONDUIT SLEEVE
ITS CONDUITS (TYP.)
GALVANIZED CONDUIT CLAMP WITH CUSHION, NUT & BOLT (VIBRATION DAMPING) (TYP.)

CONCRETE SET BOLTS $\frac{3}{8}$ " X 3" (TYP.)

NOTES:

1. PROVIDE CONDUIT EXPANSION FITTINGS AT EXISTING STRUCTURE EXPANSION JOINTS.
2. ALTERNATE MOUNTING ON UNDERSIDE OF PARAPET MAY BE PERMITTED WHEN IT IS NECESSARY TO CORE DRILL THROUGH WING WALL IN LIEU OF ABUTMENT WALL. SEAL ALL WING WALL PENETRATIONS WITH EPOXY AROUND CONDUIT.
3. SURVEY EACH STRUCTURE AND SUBMIT SHOP DRAWINGS OF CONDUIT ATTACHMENT DETAILS ALONG WITH MANUFACTURERS RECOMMENDED EXPANSION FITTINGS FOR APPROVAL.
4. IF THERE IS AN EXISTING BRIDGE APPROACH SLAB IN THE SHOULDER AT THE LOCATION OF THE PROPOSED CONDUIT, INSTALL THE CONDUIT BENEATH THE APPROACH SLAB AFTER CORING THROUGH THE BACK WALL. ENSURE THE EXISTING APPROACH SLAB IS NOT DISTURBED.
5. ENSURE THE CONCRETE SET BOLT MATERIAL CONFORMS TO ASTM B-633 AND IS MADE OF ZINC PLATED STEEL. ENSURE THE SET BOLT CHARACTERISTICS CONFORMS TO GSA SPECIFICATION FF S-325, GROUP VII, TYPE 2.
6. WHEN ALTERNATE MOUNTING IS PROPOSED TO BE USED, ENSURE THAT EXISTING UNDER CLEARANCE IS MAINTAINED.

NOT TO SCALE

ITS-704-01

NEW JERSEY DEPARTMENT OF TRANSPORTATION

ITS DETAILS

TYPICAL CONDUIT HANGER ATTACHMENTS

