CONCRETE INSERTS

COVER PLATE

THIS LINE

COVER PLATE

BEND ALONG SEAL TYP.

COVER PLATE DETAILS

SECTION B-B

END VIEW

TYPE I - ELEVATION VIEW

TYPE II - ELEVATION VIEW

COVER PLATE DETAILS

SKETCH SHOWING LIMITS OF MODULAR EXPANSION JOINT SEAL-BARRIER RAIL

CONCRETE INSERT

Each welded attachment of wire to ferrule shall develop the tensile strength of the wire.

The 19.05mm hex head bolts shall conform to ASTM A307 alloy 304 stainless steel.

The 19.05mm concrete inserts shall be closed-end ferrules with looped wire struts attached to them. The inserts shall conform to ASTM M169 Grade 12L14 and shall have a tensile working load capacity of 133 kN.

No separate payment will be made for furnishing and installing the cover plate. The entire cost of this work shall be included in the lump sum price for modular expansion joint seals.

NOTES

FOR MODULAR EXPANSION JOINT SEALS, SEE SPECIAL PROVISIONS.

THE STEEL PLATES SHALL CONFORM TO AASHTO M270 GRADE 250 OR APPROVED EQUAL AND BE PAINTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR THERMAL SPRAYED COATINGS. SEE SPECIAL PROVISIONS FOR THERMAL SPRAYED COATINGS.

THE 19.05mm HEX HEAD BOLTS SHALL CONFORM TO ASTM A307 ALLOY 304 STAINLESS STEEL.

THE 19.05mm CONCRETE INSERTS SHALL BE CLOSED-END FERRULES WITH LOOPED WIRE STRUTS ATTACHED TO THEM. THE INSERTS SHALL CONFORM TO ASTM M169, GRADE 12L14 AND SHALL HAVE A TENSILE WORKING LOAD CAPACITY OF 13.3 kN.

No separate payment will be made for furnishing and installing the cover plate. The entire cost of this work shall be included in the lump sum price for modular expansion joint seals.

USE .0014 X SCALE FOR PE SEAL