

NOTES

FOR MODULAR EXPANSION JOINT SEALS, SEE SPECIAL PROVISIONS.

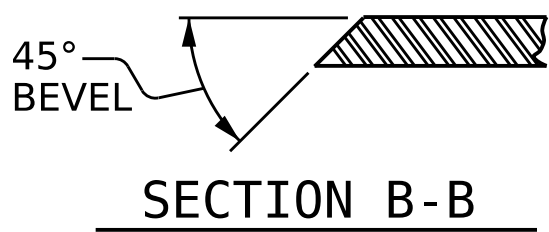
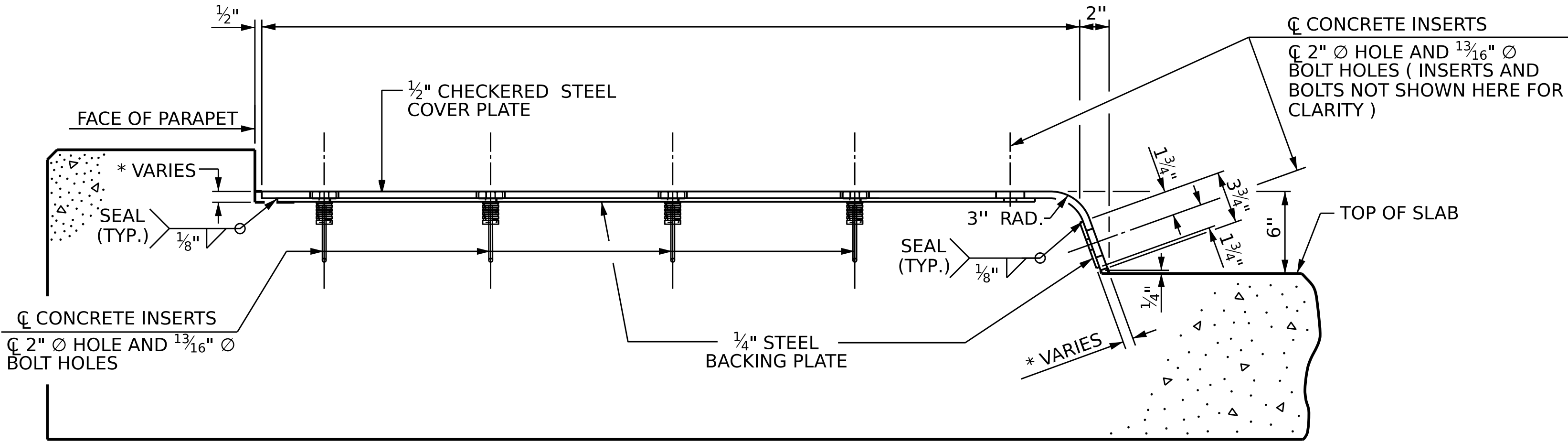
THE STEEL PLATES SHALL CONFORM TO AASHTO M270 GRADE 36 OR APPROVED EQUAL AND BE PAINTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. AT THE CONTRACTOR'S OPTION, THE PLATES MAY BE METALLIZED AFTER FABRICATION. SEE SPECIAL PROVISIONS FOR THERMAL SPRAYED COATINGS (METALLIZATION).

THE 3/4" Ø HEX HEAD BOLTS SHALL CONFORM TO ASTM F593 ALLOY 304 STAINLESS STEEL.

THE 3/4" CONCRETE INSERTS SHALL BE CLOSED-END FERRULES WITH LOOPED WIRE STRUTS ATTACHED TO THEM. THE INSERTS SHALL CONFORM TO AASHTO M169, GRADE 12L14 AND SHALL HAVE A TENSILE WORKING LOAD CAPACITY OF 3000 LBS.

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".

	SKEW ANGLE	TOTAL MOVEMENT ALONG C ROADWAY
END BENT #1		
BENT #1		
END BENT #2		



END VIEW
(NORMAL TO SIDEWALK)

* CONCRETE RECESS DIMENSIONS:

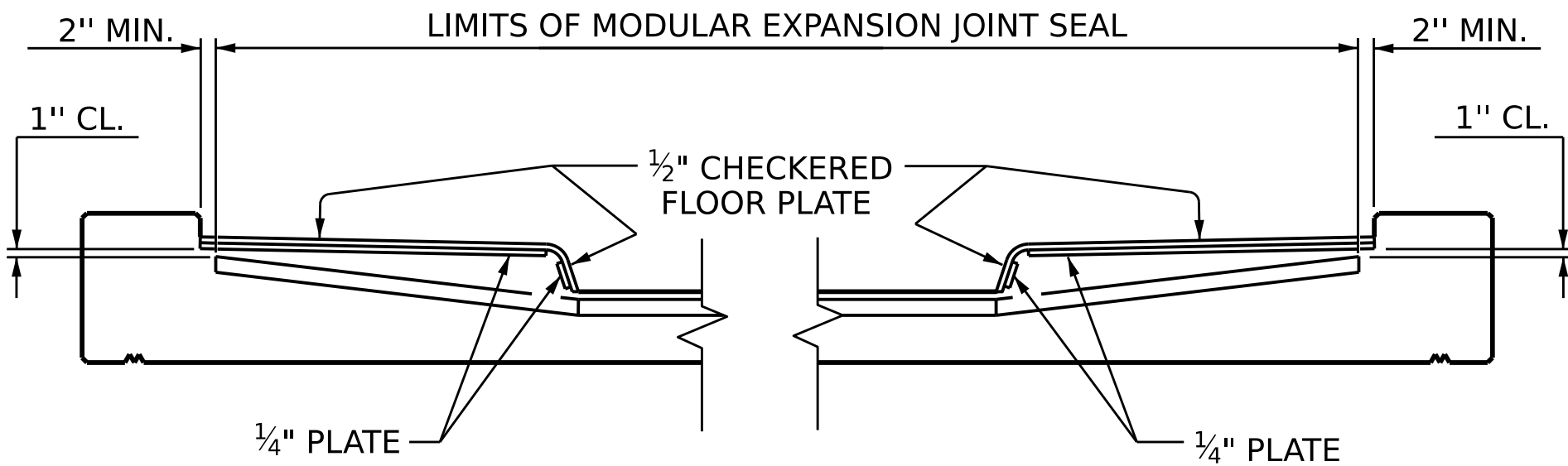
1 3/16" FOR THE SIDE OF THE JOINT HAVING THE 1/2" COVER PLATE WITH A 1/4" BACKING PLATE.

9/16" FOR THE SIDE OF THE JOINT HAVING ONLY THE 1/2" COVER PLATE.

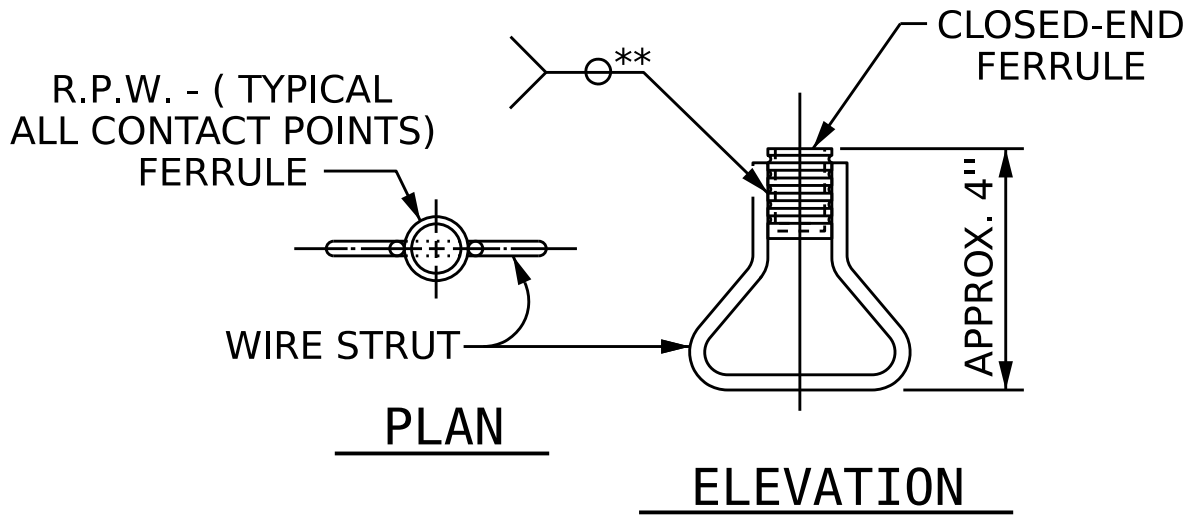
TYPE I - PLAN VIEW

TYPE II - PLAN VIEW

COVER PLATE DETAILS



SKETCH SHOWING LIMITS OF MODULAR
EXPANSION JOINT SEAL-SIDEWALK



CONCRETE INSERT

* * EACH WELDED ATTACHMENT OF WIRE TO FERRULE SHALL DEVELOP THE TENSILE STRENGTH OF THE WIRE.

PROJECT NO. _____

_____ COUNTY

STATION: _____

SHEET _ OF _

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD

MODULAR EXPANSION
JOINT SEAL DETAILS
FOR SIDEWALK

ASSEMBLED BY :	DATE :	
CHECKED BY :	DATE :	
DRAWN BY : EEM 7/96	REV. 5/1/06	TLA/GM
CHECKED BY : VAP 7/96	REV. 10/1/11	MAA/GM
	REV. 12/17	MAA/THC

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			
2			4			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED						TOTAL SHEETS