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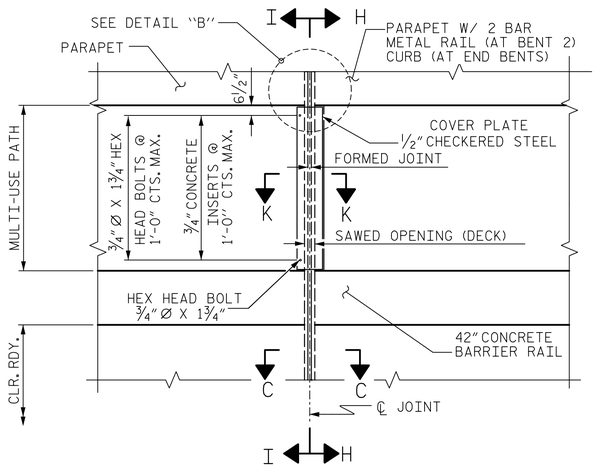
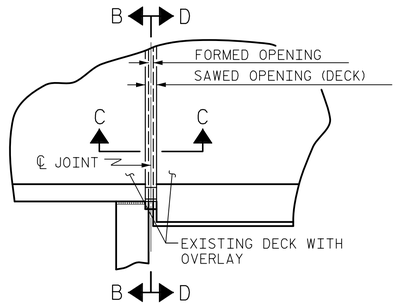
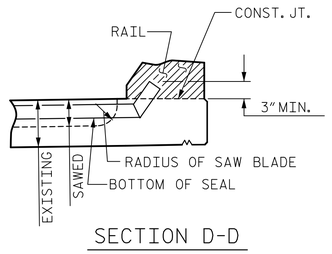


PLAN AT WIDENING

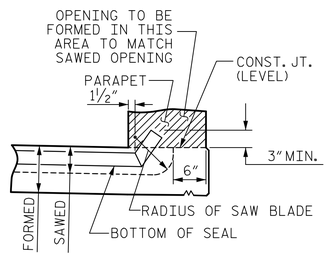


PLAN AT EXISTING BARRIER

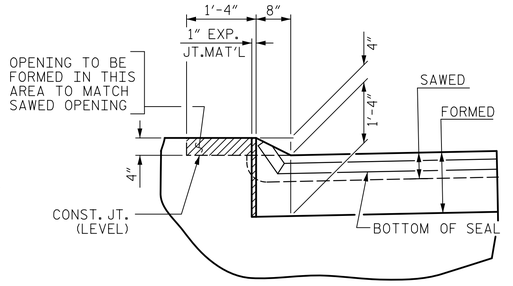
SHOWN AT END BENT, SIMILAR AT BENT 2



SECTION D-D



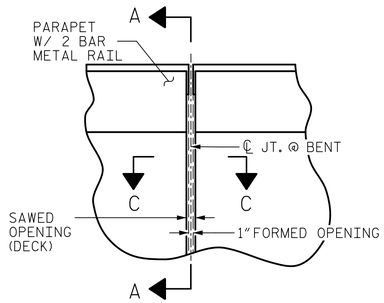
SECTION A-A



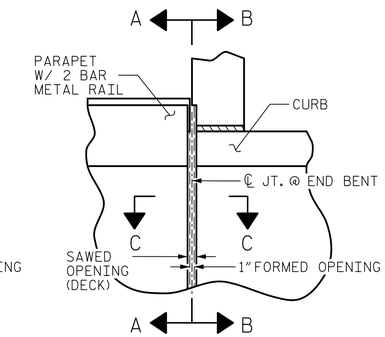
SECTION B-B

FOAM JOINT SEAL DETAILS

FOAM JOINT SEAL TO BE CUT, HEAT WELDED AND TURNED UP PARALLEL TO SLOPED FACE OF THE PARAPET.



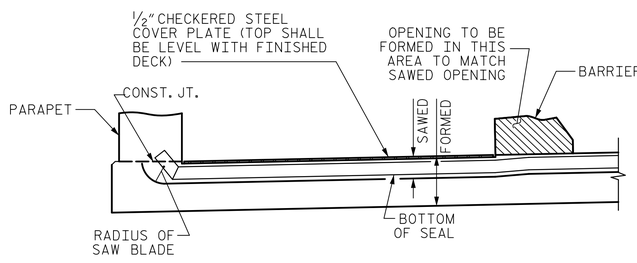
PLAN AT INTERIOR BENT



PLAN AT END BENT

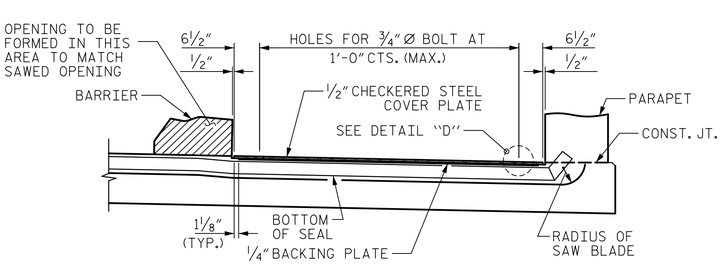
DETAIL "B"

SIDEWALK COVER PLATE, ANCHOR BOLTS, BACKING PLATE, AND RECESS NOT SHOWN

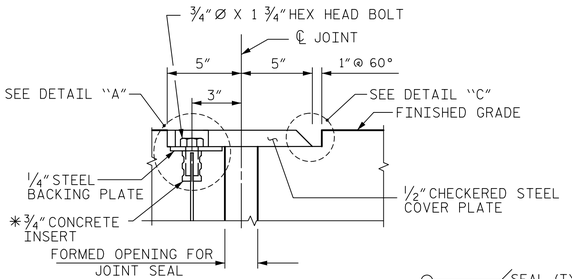


SECTION H-H

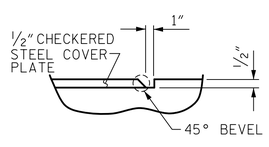
SHOWN AT INTERIOR BENT SIMILAR AT END BENT



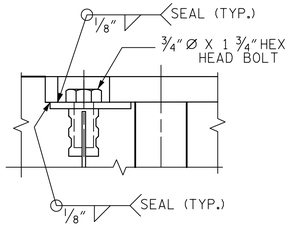
SECTION I-I



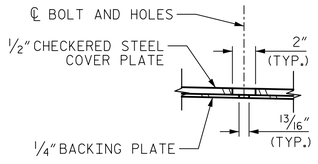
SECTION K-K



DETAIL "C"



DETAIL "A"



DETAIL "D"

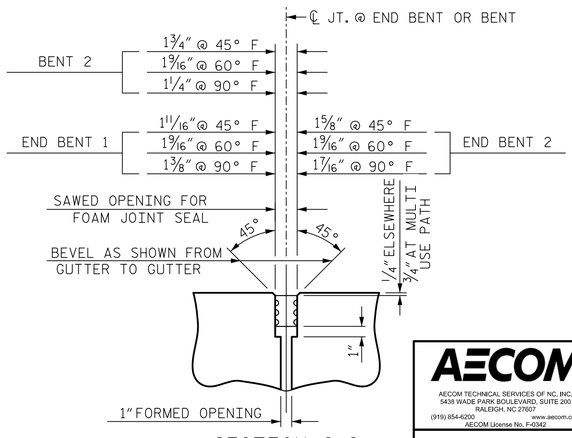
COVER PLATE SYSTEM NOTES:

*THE ¾" 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.

THE STEEL PLATES SHALL CONFORM TO AASHTO M270 GRADE 36 OR APPROVED EQUAL. AFTER FABRICATION, THE PLATES SHALL BE COMMERCIALLY BLAST CLEANED AND EITHER COATED WITH A MINIMUM THICKNESS OF 4 MILS (DRY) OF ZINC-RICH PAINT, GALVANIZED OR METALLIZED TO A MINIMUM THICKNESS OF 6 MILS INACCORDANCE WITH THE STANDARD SPECIFICATIONS. FOR THERMAL SPRAYED COATINGS (METALLIZATION), SEE SPECIAL PROVISIONS.

THE ¾" DIAMETER HEX HEAD BOLTS SHALL CONFORM TO ASTM F593 ALLOY 304 STAINLESS STEEL.

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 "FOAM JOINT SEALS".



SECTION C-C

FOAM JOINT SEAL (EXPANSION)

FOAM JOINT SEAL NOTES:

THE NOMINAL UNCOMPRSSED SEAL WITH OF THE FOAM JOINT SEAL SHALL BE 2".

FOR FOAM JOINT SEALS, SEE SPECIAL PROVISIONS.

FOAM JOINT SEALS SHALL NOT BE INSTALLED UNTIL PC OVERLAY IS COMPLETE.

ELASTOMERIC CONCRETE IS NOT REQUIRED.

PROJECT NO. U-5748

WAKE COUNTY

STATION: 24+88.00 -L-

MULTI-USE PATH COVER PLATE DETAILS

DRAWN BY : G. COLS	DATE : 12/2022		
CHECKED BY : J.C. MORRISON	DATE : 12/2022		
DESIGNED BY : G. COLS	DATE : 12/2022		
DESIGN CHECKED BY : J.C. MORRISON	DATE : 12/2022		

AECOM
AECOM TECHNICAL SERVICES OF NC, INC.
5438 WADE PARK BOULEVARD, SUITE 200
RALEIGH, NC 27607
(919) 854-6200 www.aecom.com
AECOM License No. F-0342

NORTH CAROLINA PROFESSIONAL SEAL 030474 ENGINEER JOHN C. MORRISON

DocuSigned by: John C. Morrison 2/10/2023

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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

FOAM JOINT SEAL DETAILS

(SOUTHBOUND LANES)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-34
1			3			TOTAL SHEETS
2			4			119

DATE: 2/9/2023
TIME: 10:52:27 PM
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