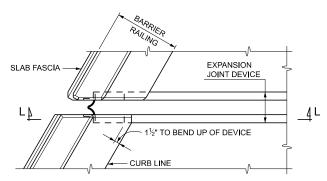
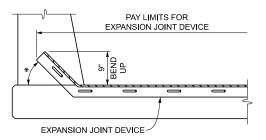


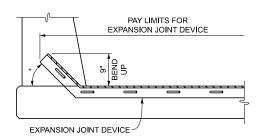
PLAN AT BARRIER RAILING TYPE 6 & TYPE 7



PLAN AT BARRIER RAILING TYPE 6 & TYPE 7

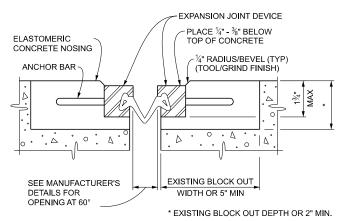


SECTION K - K
* BEND ANCHORAGE UP 45° ALONG & OF EXPANSION JOINT.



SECTION L - L

* FOR ANGLES OF CROSSING FROM 69° TO 45° INCLUSIVE, BEND ANCHORAGE UP 45° ALONG $\mbox{\ C}$ OF EXPANSION JOINT. FOR ANGLES OF CROSSING LESS THAN 45°, A SPECIAL ENDING MAY BE REQUIRED.



SECTION THROUGH EXPANSION JOINT

THE MINIMUM BLOCK OUT DIMENSIONS SHOWN ARE APPLICABLE FOR DEVICES WITH STRIP SEALS ONLY.

NOTES:

JOINT TYPES

PROVIDE AN EXPANSION JOINT DEVICE THAT INCLUDES A CONTINUOUS NEOPRENE (OR EQUIVALENT) SEAL ACROSS THE DECK, UNLESS OTHERWISE NOTED, ANY OF THE DEVICES LISTED BELOW THAT ARE SUITABLE TO MEET THE TOTAL MOVEMENT NOTED ON THE PLANS ARE PERMITTED:

 DEVICE
 MANUFACTURER

 STEELFLEX-SSE2
 D.S. BROWN CO..

 WABO STRIP SEAL - TYPE E
 WATSON-BOWMAN & ACME, INC.

DETAILS AT CURBS OR BARRIERS

THE DETAILS ON THIS SHEET SHOW AN APPROVED MEANS OF TERMINATING THE EXPANSION JOINT DEVICE AT CURBS OR BARRIERS. VARIATIONS OR ALTERNATIVE SCHEMES WILL BE CONSIDERED AND MAY BE USED IF APPROVED BY THE ENGINEER.

COVER PLATE LENGTHS

COVER PLATES WITH A LENGTH GREATER THAN 11' MAY BE FABRICATED FROM TWO EQUAL LENGTH PIECES WITH A JOINT LOCATED AT THE CENTERLINE OF THE SIDEWALK OR PATH. PROVIDE A ½" WIDE GAP AT THE JOINT THAT IS PARALLEL TO THE CENTERLINE OF THE SIDEWALK OR PATH.

EXPANSION JOINT DEVICE WELD

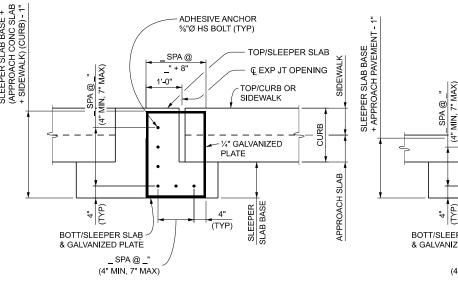
WELDED SPLICES TO BE PLACED AT THE CROWN OF THE ROADWAY, AT LONGITUDINAL CONSTRUCTION JOINTS OR AT TRANSVERSE BREAKS IN THE DECK.

NO WELDING IS PERMITTED WHERE THE FRAME RAIL COMES IN CONTACT WITH THE NEOPRENE SEAL.

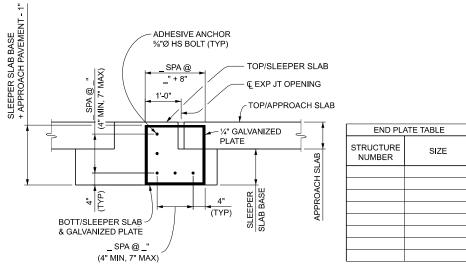
ALTERNATE WELD DETAILS WILL BE CONSIDERED AND MAY BE USED IF APPROVED BY THE ENGINEER.

STRUCTURE NUMBER	ANGLE OF CROSSING TO NEAREST 10°	LOCATION OF JOINT	MIN. TOT. TRAVEL ALONG CENTERLINE OF BRIDGE *	REQUIRED LENGTH OF EXPANSION JOINT DEVICE

QUANTITY		
ITEM	UNIT	AMOUNT
Expansion Joint Device	Ft	
Expansion Joint Device, Cover Plate	Ft	



END PLATE DETAIL (SLEEPER SLAB WITH APPROACH SLAB AND SIDEWALK OR CURB)



END PLATE DETAIL (SLEEPER SLAB WITH APPROACH SLAB/PAVEMENT)

	FINAL ROW PLAN REVISIONS SUBMITTAL DATE:						
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

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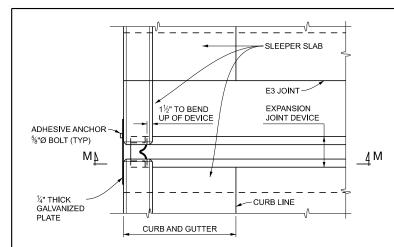
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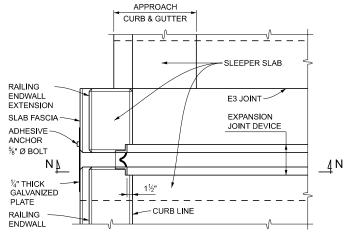
EXPANSION JOINT DETAILS

DEVICE, BARRIER, AND END PLATE DETAILS

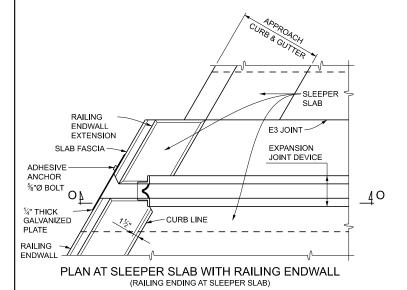
EJ4T (04-28-2025)

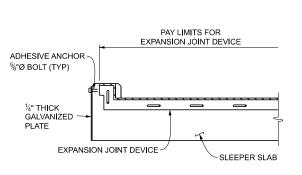


PLAN AT SLEEPER SLAB WITH CURB & GUTTER

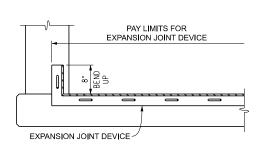


PLAN AT SLEEPER SLAB WITH RAILING ENDWALL (RAILING ENDING AT SLEEPER SLAB)

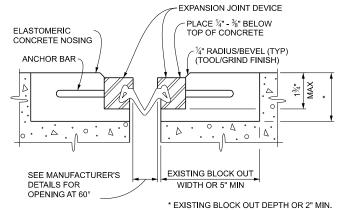




SECTION M - M (MODIFY CURB HEIGHT/DETAIL AS NECESSARY)



SECTION N - N



SECTION THROUGH EXPANSION JOINT

THE MINIMUM BLOCK OUT DIMENSIONS SHOWN ARE APPLICABLE FOR DEVICES WITH STRIP SEALS ONLY.

NOTES:

JOINT TYPES

PROVIDE AN EXPANSION JOINT DEVICE THAT INCLUDES A CONTINUOUS NEOPRENE (OR EQUIVALENT) SEAL ACROSS THE DECK, UNLESS OTHERWISE NOTED, ANY OF THE DEVICES LISTED BELOW THAT ARE SUITABLE TO MEET THE TOTAL MOVEMENT NOTED ON THE PLANS ARE PERMITTED:

DEVICE	<u>MANUFACTURER</u>	
STEELFLEX-SSE2	D.S. BROWN CO	
WARO STRIP SEAL - TYPE E	WATSON-BOWMAN & ACME I	NC

DETAILS AT CURBS OR BARRIERS

THE DETAILS ON THIS SHEET SHOW AN APPROVED MEANS OF TERMINATING THE EXPANSION JOINT DEVICE AT CURBS OR BARRIERS. VARIATIONS OR ALTERNATIVE SCHEMES WILL BE CONSIDERED AND MAY BE USED IF APPROVED BY THE ENGINEER.

COVER PLATE LENGTHS

COVER PLATES WITH A LENGTH GREATER THAN 11' MAY BE FABRICATED FROM TWO EQUAL LENGTH PIECES WITH A JOINT LOCATED AT THE CENTERLINE OF THE SIDEWALK OR PATH. PROVIDE A ½" WIDE GAP AT THE JOINT THAT IS PARALLEL TO THE CENTERLINE OF THE SIDEWALK OR PATH.

EXPANSION JOINT DEVICE WELD

WELDED SPLICES TO BE PLACED AT THE CROWN OF THE ROADWAY, AT LONGITUDINAL CONSTRUCTION JOINTS OR AT TRANSVERSE BREAKS IN THE DECK.

NO WELDING IS PERMITTED WHERE THE FRAME RAIL COMES IN CONTACT WITH THE NEOPRENE SEAL.

ALTERNATE WELD DETAILS WILL BE CONSIDERED AND MAY BE USED IF APPROVED BY THE ENGINEER.

STRUCTURE NUMBER	ANGLE OF CROSSING TO NEAREST 10°	LOCATION OF JOINT	MIN. TOT. TRAVEL ALONG CENTERLINE OF BRIDGE *	REQUIRED LENGTH OF EXPANSION JOINT DEVICE

QUANTITY		
ITEM	UNIT	AMOUNT
Expansion Joint Device	Ft	
Expansion Joint Device, Cover Plate	Ft	

TOP/SLEEPER SLAB

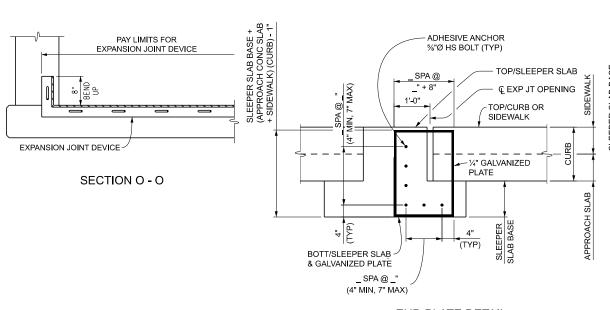
© EXP JT OPENING

- 1/4" GALVANIZED

PLATE

(TYP)

TOP/APPROACH SLAB



END PLATE DETAIL (SLEEPER SLAB WITH APPROACH SLAB AND SIDEWALK OR CURB)

END PLATE DETAIL (SLEEPER SLAB WITH APPROACH SLAB/PAVEMENT)

ADHESIVE ANCHOR

%"Ø HS BOLT (TYP)

_" + 8"

BOTT/SLEEPER SLAB

& GALVANIZED PLATE

_ SPA @ _"

(4" MIN, 7" MAX)

			FINAL ROW PLAN REVISION	10	SUBIVITI IA	L DAI	⊏.
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

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	DATE:	CS:
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EXPANSION JOINT DETAILS DRAWING SHEET SECT

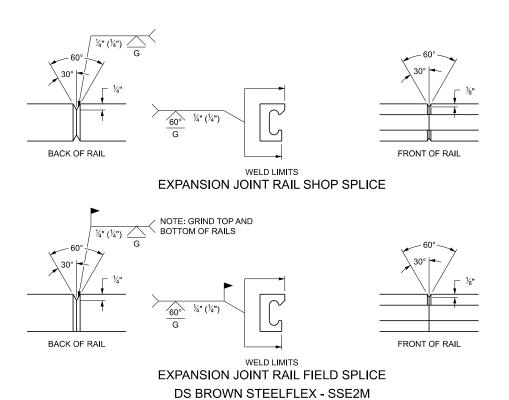
DEVICE, BARRIER, AND END PLATE DETAILS EJ4T (04-28-2025)

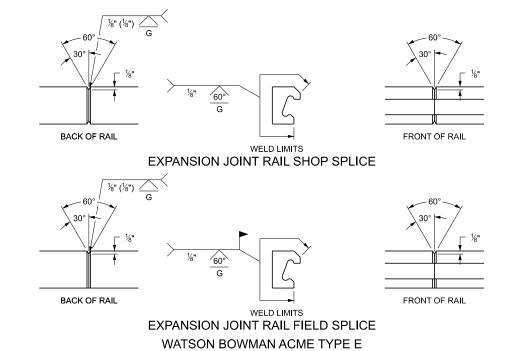
END PLATE TABLE

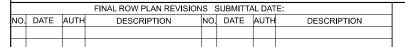
SIZE

STRUCTURE

NUMBER









NO SCALE

	DATE:	CS:	EXPANSION JOINT DETAILS	DRAWING	SHEET
	DESIGN UNIT:	JN:	RAIL SPLICE DETAILS		SECT
FILE:	TSC:		EJ4T (04-28-2025)		