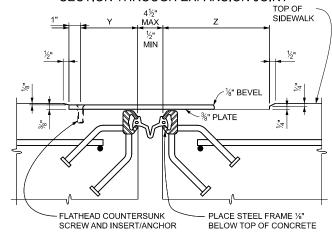


SECTION THROUGH EXPANSION JOINT



SECTION THROUGH EXPANSION JOINT AND COVER PLATE

WABO STRIP SEAL TYPE M				
TOTAL TRAVEL *	PLATE WIDTH	Y	Z	
< 1"	10"	3¾"	5¾"	
1" - 2"	11"	3¾"	6¾"	
2" - 3"	12"	3¾"	7¾"	
> 3"	13"	3¾"	8¾"	

ALL OTHER DEVICES			
TOTAL TRAVEL *	PLATE WIDTH	Y	Z
< 1½"	8"	2½"	5"
1½" - 3½"	10"	2½"	7"
> 31/6"	12"	21/4"	Q"

^{*} SEE TABLE FOR MINIMUM TOTAL TRAVEL ALONG CENTERLINE OF BRIDGE

NOTES:

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:

<u>DEVICE</u>	<u>MANUFACTURER</u>
WABO STRIP SEAL - TYPE M	WATSON-BOWMAN & ACME, INC.
WABO STRIP SEAL - TYPE A	WATSON-BOWMAN & ACME, INC.
STEELFLEX-SSA2	D.S. BROWN
STEELFLEX-SSCM	D.S. BROWN
ONFLEX 40 SS	STRUCTURAL RUBBER PRODUCTS CO.
ONFLEX 40 SSA	STRUCTURAL RUBBER PRODUCTS CO.

DETAILS AT CURBS OR BARRIERS

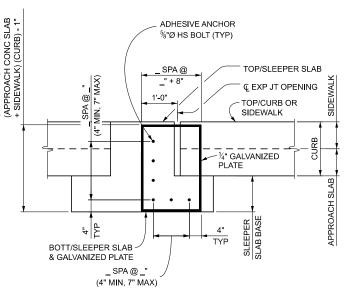
THE DETAILS ON THIS SHEET SHOW AN APPROVED MEANS OF TERMINATING THE EXPANSION JOINT DEVICE AT CURBS OR BARRIERS. VARIATIONS OR ALTERNATIVE SCHEMES WILL BE CONSIDERED AND MAY BE USED IF APPROVED BY THE ENGINEER.

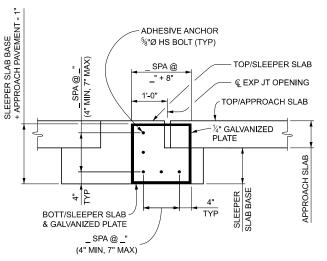
COVER PLATE LENGTHS

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 1/4" WIDE GAP AT THE JOINT THAT IS PARALLEL TO THE CENTERLINE OF THE

DEWALK OK F	AIII.			
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 TABLE STRUCTURE SIZE NUMBER

END PLATE DETAIL

(SLEEPER SLAB WITH APPROACH SLAB AND SIDEWALK OR CURB)

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

	E:	AL DAT	SUBMITTA	ONS S	FINAL ROW PLAN REVISION		
	DESCRIPTION	AUTH	DATE	NO.	DESCRIPTION	AUTH	DATE
1							
1							

PLAN AT FLUSH MOUNT PARAPET RAILING

Michigan Department of Tran

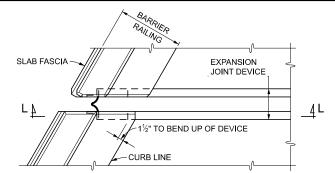
SECTION J - J

NO SCALE

FILE:

	DATE:	CS:
	DESIGN UNIT:	JN:
:	TSC:	

EXPANSION JOINT DETAILS DRAWING SHEE EJ3AF (01-23-2023) SECT



EXPANSION JOINT DEVICE

1½" TO BEND UP OF DEVICE

- CURB LINE

PLAN AT BARRIER RAILING TYPE 6 & TYPE 7

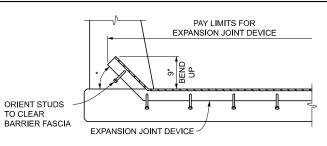
PLAN AT BARRIER RAILING TYPE 6 & TYPE 7

BARRIER

RAILING

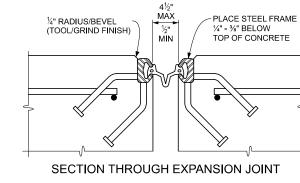
Κļ

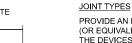
SLAB FASCIA



SECTION L - L

* FOR ANGLES OF CROSSING FROM 69° TO 45° INCLUSIVE, BEND ANCHORAGE UP 45° ALONG Ç OF EXPANSION JOINT. FOR ANGLES OF CROSSING LESS THAN 45°, A SPECIAL ENDING MAY BE REQUIRED.





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:

<u>DEVICE</u>	<u>MANUFACTURER</u>
WABO STRIP SEAL - TYP	PE M WATSON-BOWMAN & ACME, INC.
WABO STRIP SEAL - TYP	PE A WATSON-BOWMAN & ACME, INC.
STEELFLEX-SSA2	D.S. BROWN
STEELFLEX-SSCM	D.S. BROWN
ONFLEX 40 SS	STRUCTURAL RUBBER PRODUCTS CO.
ONFLEX 40 SSA	STRUCTURAL RUBBER PRODUCTS CO.

DETAILS AT CURBS OR BARRIERS

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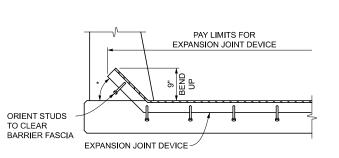
COVER PLATE LENGTHS

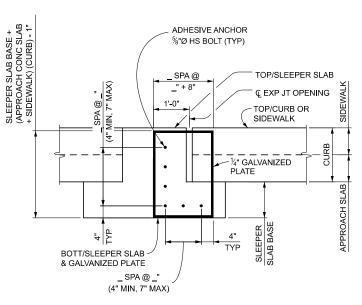
NOTES:

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 '%" WIDE GAP AT THE JOINT THAT IS PARALLEL TO THE CENTERLINE OF THE

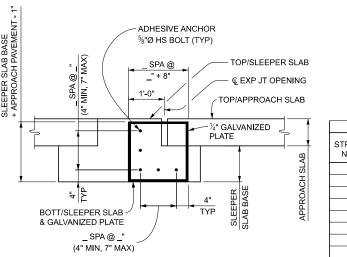
STRUCTURE NUMBER	ANGLE OF CROSSING TO NEAREST 10°	LOCATION OF JOINT	MIN. TOT. TRAVEL ALONG CENTERLINE OF BRIDGE *	REQUIRED LENGTH OF EXPANSION JOINT DEVICE

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





(SLEEPER SLAB WITH APPROACH SLAB AND SIDEWALK OR CURB)



STRUCTURE NUMBER	SIZE

END PLATE TABLE

END PLATE DETAIL

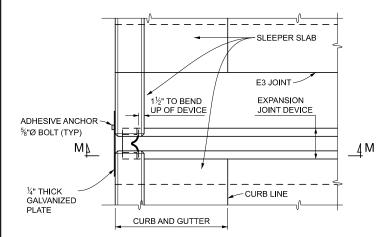
END PLATE DETAIL (SLEEPER SLAB WITH APPROACH SLAB/PAVEMENT)

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

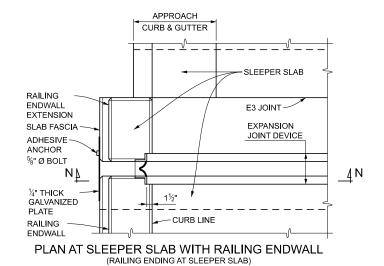
EMDOT

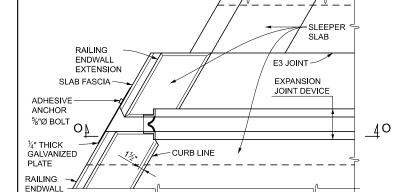
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	DATE:	CS:	EXPANSION JOINT DETAILS	DRAWING SHEET	
	DESIGN UNIT:	JN:	EJ3AF (01-23-2023)	SECT	
FILE:	TSC:				



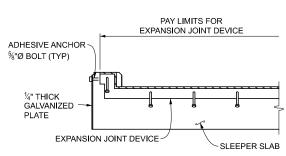
PLAN AT SLEEPER SLAB WITH CURB & GUTTER



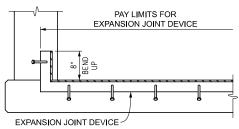


PLAN AT SLEEPER SLAB WITH RAILING ENDWALL

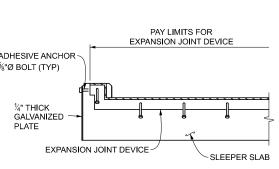
(RAILING ENDING AT SLEEPER SLAB)

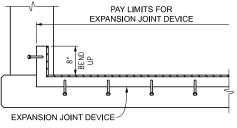


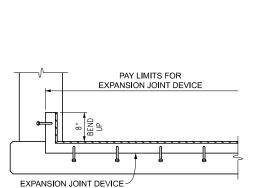
SECTION M - M (MODIFY CURB HEIGHT/DETAIL AS NECESSARY)



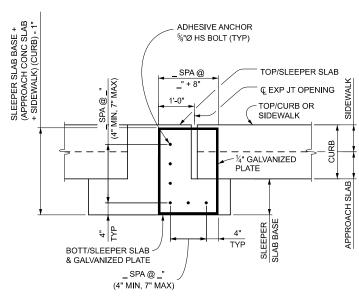
SECTION N - N







SECTION O - O





4½" MAX

SECTION THROUGH EXPANSION JOINT

¼" RADIUS/BEVEL (TOOL/GRIND FINISH)

PLACE STEEL FRAME

1/4" - 3/8" BELOW TOP OF CONCRETE



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DETAILS AT CURBS OR BARRIERS

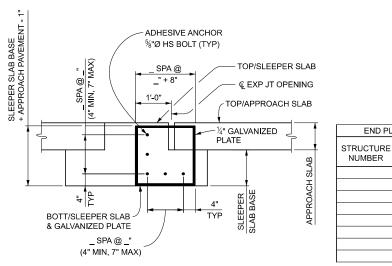
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COVER PLATE LENGTHS

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

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



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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DATE:	CS:
DESIGN UNIT:	JN:
TSC:	

EXPANSION JOINT DETAILS DRAWING SHEET SECT EJ3AF (01-23-2023)

END PLATE TABLE

SIZE