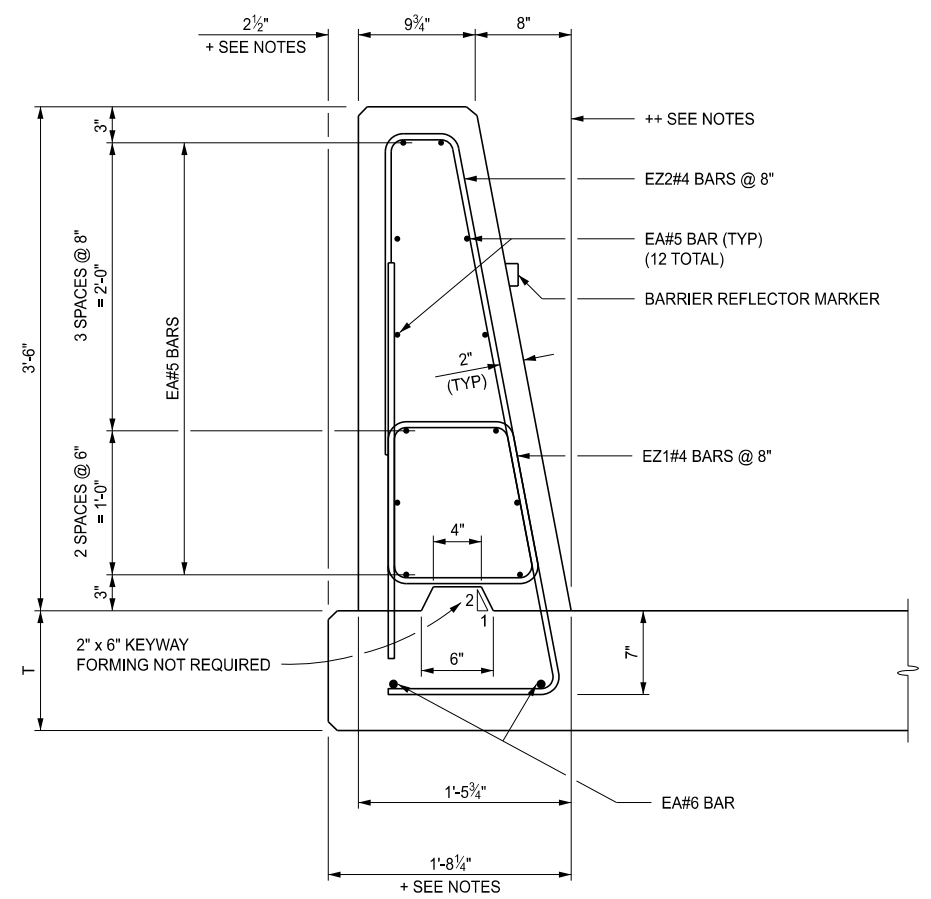


BRIDGE BARRIER RAILING, TYPE 6 OUTSIDE ELEVATION



SECTION A-A
NO AESTHETIC TREATMENT

APPROVED BY: _____
DIRECTOR, BUREAU OF BRIDGES AND STRUCTURES

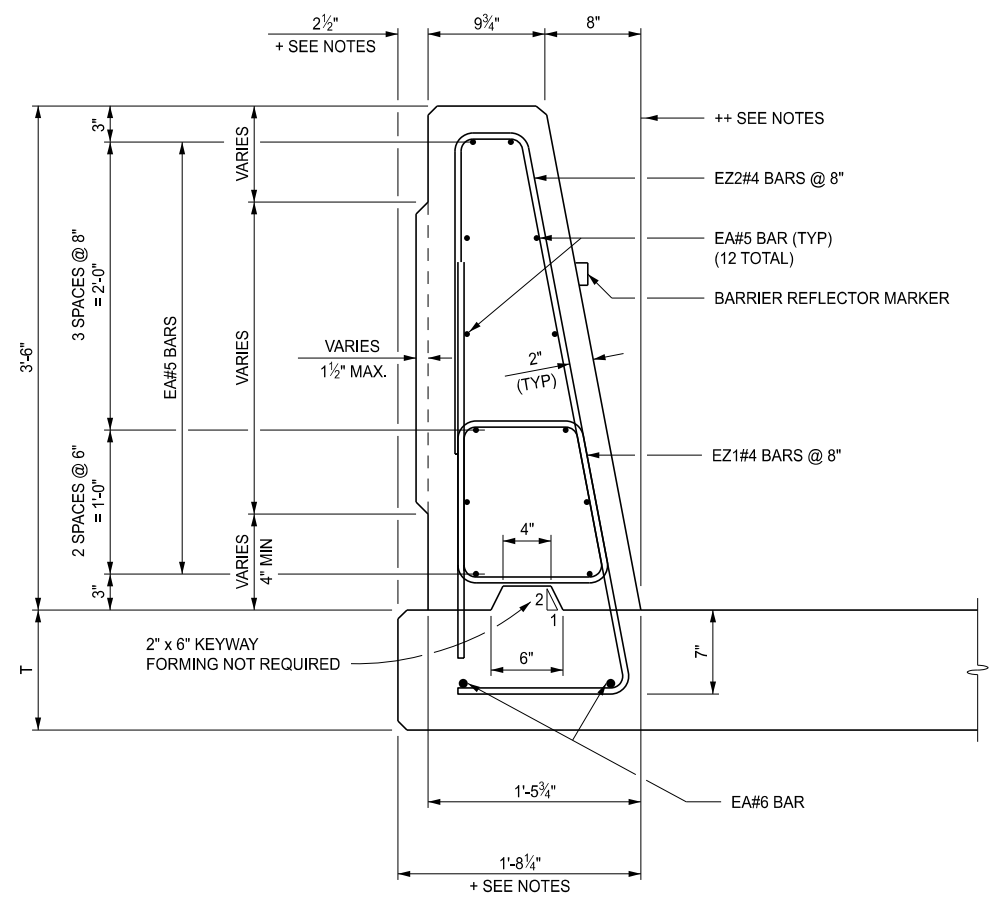
APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			
(SPECIAL DETAIL) FHWA APPROVAL	01/22/2024 PLAN DATE	B-29-A	SHEET 1 OF 8

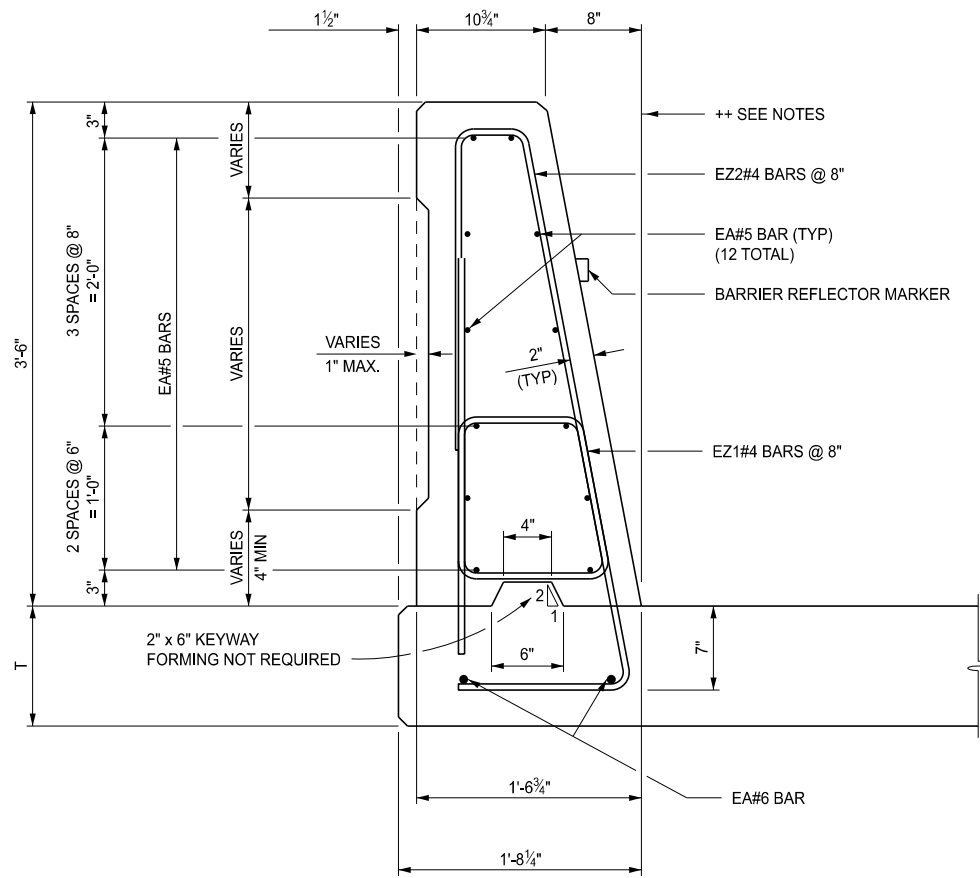


SECTION A-A
BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 1
(THE TYPE AND LIMITS OF THE AESTHETIC TREATMENT, IF APPLICABLE, ARE AS DETAILED ON THE PLANS.)

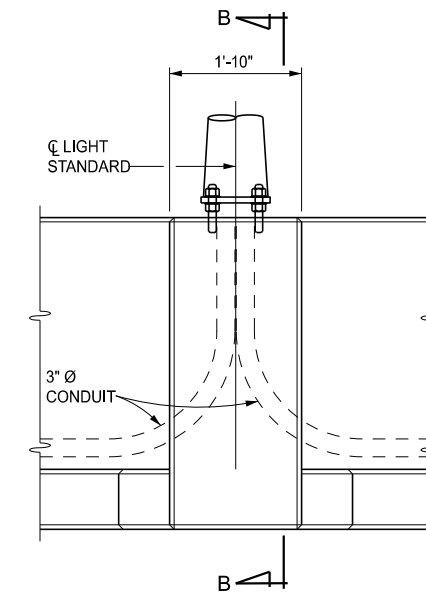


DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

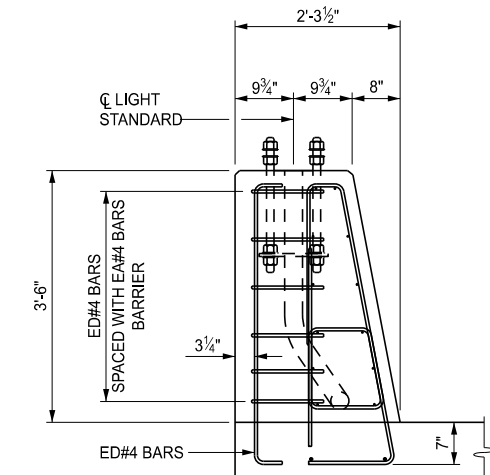
STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			
(SPECIAL DETAIL) FHWA APPROVAL	01/22/2024 PLAN DATE	B-29-A	SHEET 2 OF 8 SECT



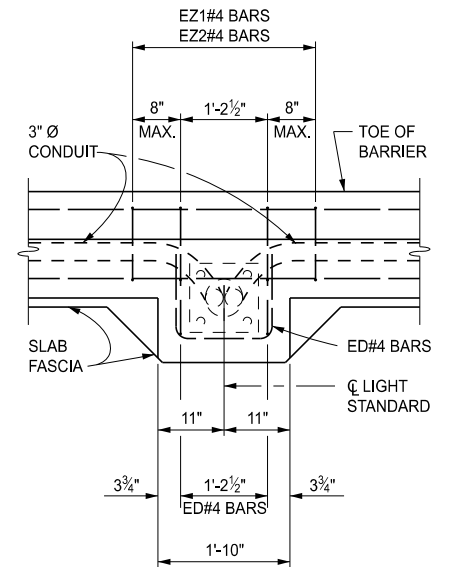
SECTION A-A
 BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2
 (THE TYPE AND LIMITS OF THE AESTHETIC TREATMENT,
 IF APPLICABLE, ARE AS DETAILED ON THE PLANS.)



ELEVATION VIEW



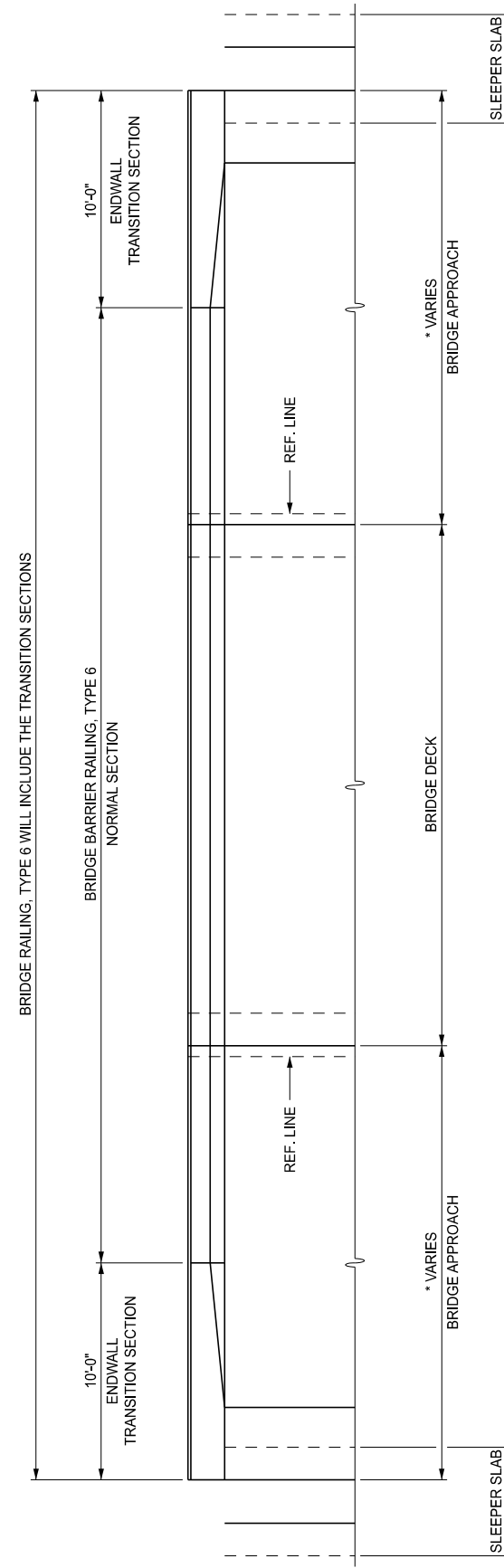
SECTION B-B
LIGHT STANDARD DETAILS
 NO AESTHETIC TREATMENT ON LIGHT STANDARD 1'-10" x 9 3/4" PROTRUSION



PLAN VIEW

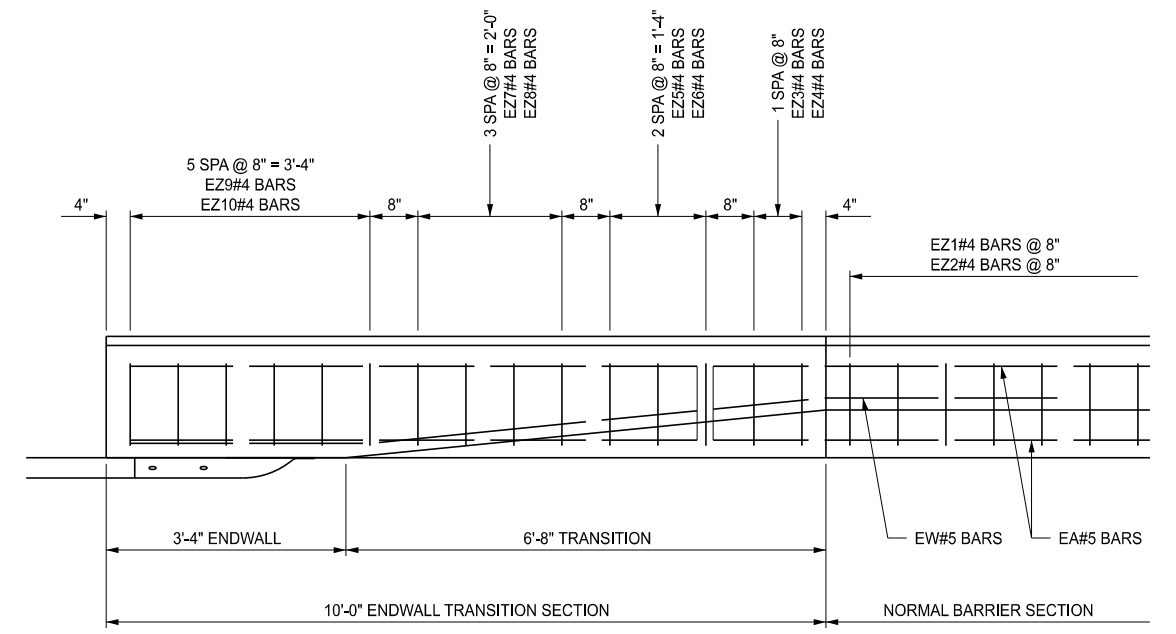
	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			SHEET 3 OF 8
	(SPECIAL DETAIL) FHWA APPROVAL	01/22/2024 PLAN DATE	B-29-A	

	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			SHEET 4 OF 8
	(SPECIAL DETAIL) FHWA APPROVAL	01/22/2024 PLAN DATE	B-29-A	

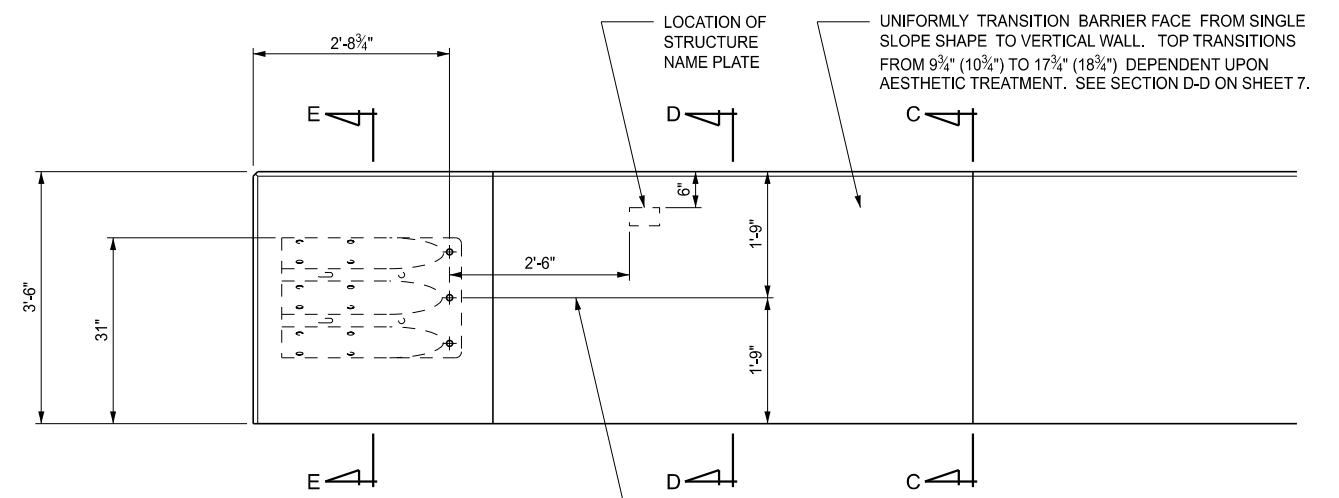


**BRIDGE BARRIER RAILING, TYPE 6
PLAN VIEW**

* DEPENDANT UPON BRIDGE APPROACH LENGTH, THE TRANSITION SECTION CAN BE PARTLY ON BRIDGE DECK OR IF NO APPROACH SLAB IS PRESENT, ENTIRELY ON THE BRIDGE DECK.



PLAN VIEW



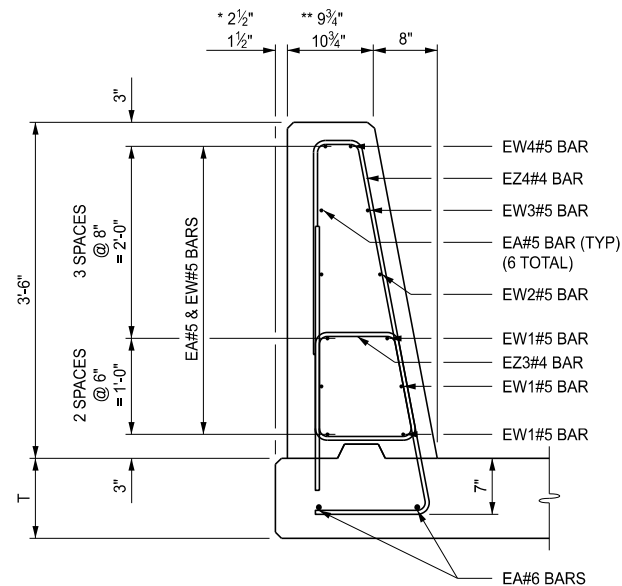
ELEVATION VIEW

LOCATION OF STRUCTURE NAME PLATE
UNIFORMLY TRANSITION BARRIER FACE FROM SINGLE SLOPE SHAPE TO VERTICAL WALL. TOP TRANSITIONS FROM 9 3/4" (10 3/4") TO 17 3/4" (18 3/4") DEPENDENT UPON AESTHETIC TREATMENT. SEE SECTION D-D ON SHEET 7.
C/C OF BOLTS FOR GUARDRAIL ANCHORAGE SEE STANDARD PLAN R-67-SERIES FOR DETAILS. BOLTS TO BE FURNISHED AND INSTALLED BY THE BRIDGE CONTRACTOR. INCLUDED IN THE BID ITEM "BRIDGE BARRIER RAILING, TYPE 6".

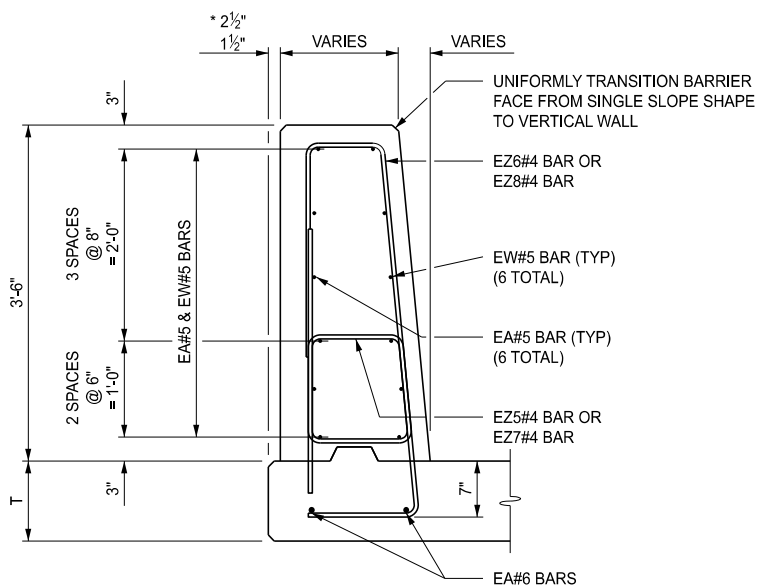
	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			SHEET 5 OF 8
	(SPECIAL DETAIL) FHWA APPROVAL	01/22/2024 PLAN DATE	B-29-A	

	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			SHEET 6 OF 8
	(SPECIAL DETAIL) FHWA APPROVAL	01/22/2024 PLAN DATE	B-29-A	

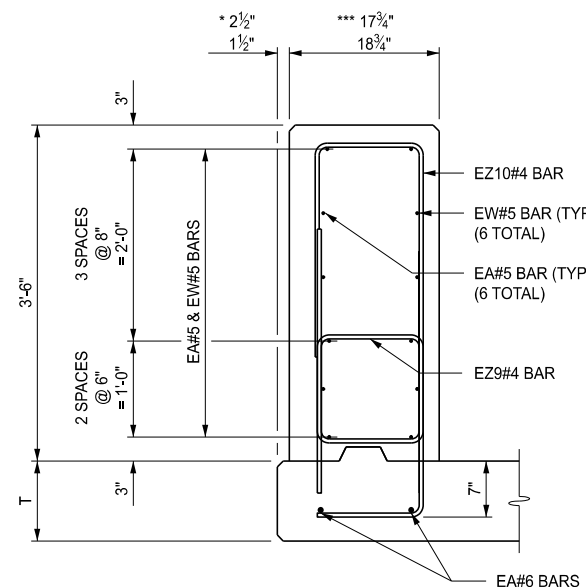
SECT



SECTION C-C



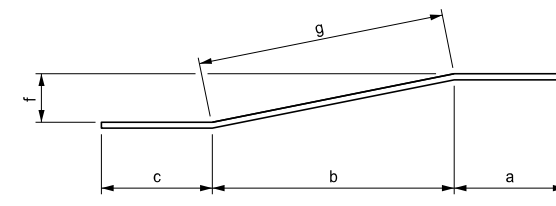
SECTION D-D



SECTION E-E

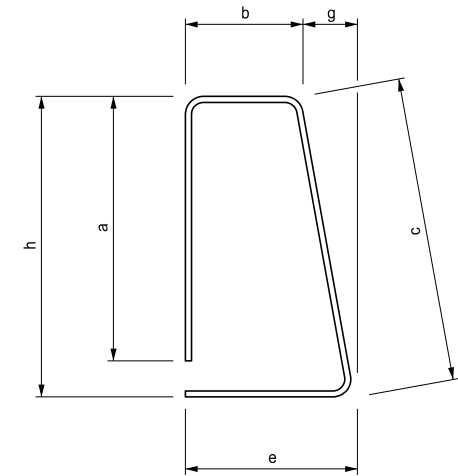
- * 2 1/2" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
- 2 1/2" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 1 (+ SEE NOTES)
- 1 1/2" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2
- ** 9 3/4" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
- 9 3/4" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 1 (+ SEE NOTES)
- 10 3/4" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2
- *** 17 3/4" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)
- 17 3/4" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 1 (+ SEE NOTES)
- 18 3/4" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2

 Michigan Department of Transportation	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			SHEET 7 OF 8
	(SPECIAL DETAIL)	01/22/2024	B-29-A	
DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE	FHWA APPROVAL	PLAN DATE		



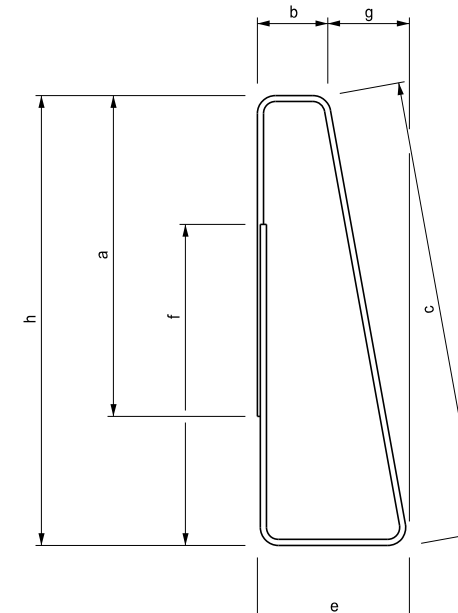
ENDWALL TRANSITION SECTION BARS							
	# of bars	c	b	a	g	f	
EW1	3	2'-2"	2'-8"	7'-6"	2'-8"	1 1/8"	EW051204
EW2	1	2'-2"	6'-0"	4'-2 1/8"	6'-0 1/8"	4 1/4"	EW051205
EW3	1	2'-2"	6'-0"	4'-3 3/4"	6'-0 1/4"	5 3/4"	EW051206
EW4	1	2'-2"	6'-0"	4'-4 3/8"	6'-0 3/8"	6 7/8"	EW051207

$L = c + a + g$



BARRIER SECTION BARS							
	# of bars	a	b	c	e	g	h
EZ1	--	1'-8 1/8"	10 3/4"	1'-11 1/8"	1'-3"	4 1/4"	1'-10 3/4"

$L = a + b + c + e$



BARRIER SECTION BARS							
	# of bars	a	b	c	e	f	g
EZ2	--	2'-3 3/8"	6 1/8"	3'-2 1/4"	1'-1 1/4"	2'-3"	7 1/8"

$L = a + b + c + e + f$

ENDWALL TRANSITION SECTION BARS							
	# of bars	a	b	c	e	f	g
EZ3	2	1'-8"	10 3/8"	1'-11 1/8"	1'-2 1/2"	4 1/8"	1'-10 3/4"
EZ5	3	1'-7 3/4"	11"	1'-11"	1'-2 1/4"	3 1/4"	1'-10 3/4"
EZ7	4	1'-7 1/2"	11 3/4"	1'-10 7/8"	1'-1 1/8"	2 1/8"	1'-10 3/4"
EZ9	6	1'-7 3/4"	1'-1 3/4"	1'-10 3/4"	1'-1 3/4"	--	1'-10 3/4"

$L = a + b + c + e + f$

NOTES:

DETAILS SHOWN ARE IN ACCORDANCE WITH CURRENT AASHTO SPECIFICATIONS.

FOR LIGHT STANDARD ANCHOR BOLT ASSEMBLY DETAILS, SEE STANDARD PLAN B-103-SERIES.

ALL WORK AND MATERIAL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

+ BACK OF BARRIER TO SLAB FASCIA MAY BE DECREASED TO 1 1/2" (FROM 2 1/2") AND TOE OF BARRIER SHIFTED ACCORDINGLY TO ACCOMMODATE THE NEED FOR INCREASED OR MAINTAINING SHOULDER WIDTHS. DISTANCE TO BE DETAILED ON THE PLANS.

++ BRIDGE BARRIER ORIENTATION :

PERPENDICULAR TO PLANE OF SLAB ON NORMAL CROWN SECTION AND HIGH SIDE OF SUPERELEVATION SECTION.

VERTICAL ON LOW SIDE OF SUPERELEVATED SECTION.

 Michigan Department of Transportation	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			SHEET 8 OF 8
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DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE	FHWA APPROVAL	PLAN DATE		