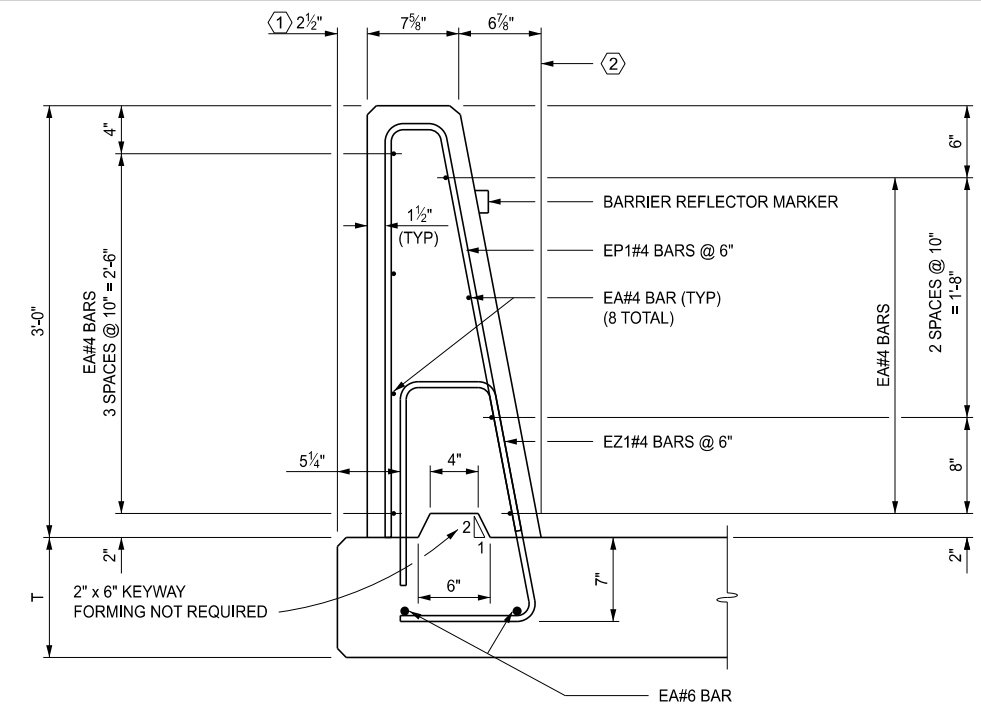
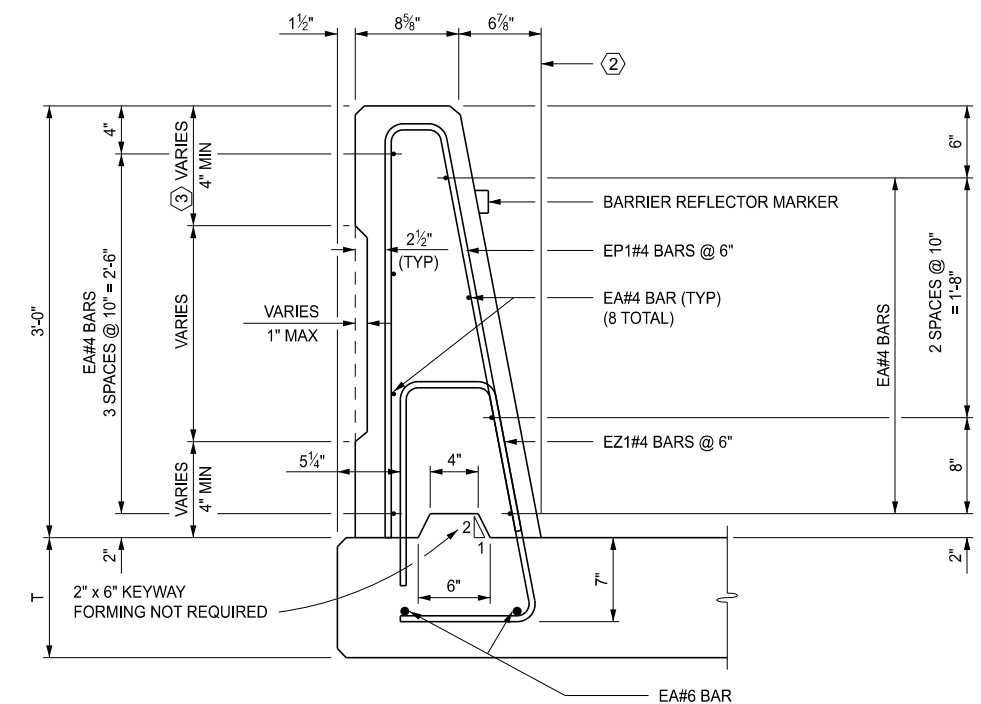


BRIDGE BARRIER RAILING, TYPE 7 OUTSIDE ELEVATION



SECTION A-A  
NO AESTHETIC TREATMENT



SECTION A-A  
BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 2  
(THE TYPE AND LIMITS OF THE AESTHETIC TREATMENT, IF APPLICABLE, ARE AS DETAILED ON THE PLANS.)

- ① 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.
- ② 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.
- ③ USE 10" MINIMUM WHEN PEDESTRIAN FENCE IS INSTALLED TO ACCOMMODATE THE DEPTH OF ANCHOR BOLTS. DISTANCE TO BE DETAILED ON THE PLANS.

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

(SPECIAL DETAIL)  
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SHEET  
1 OF 7



DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

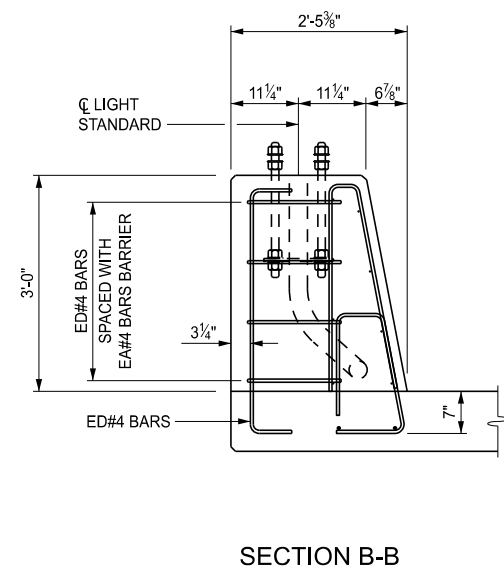
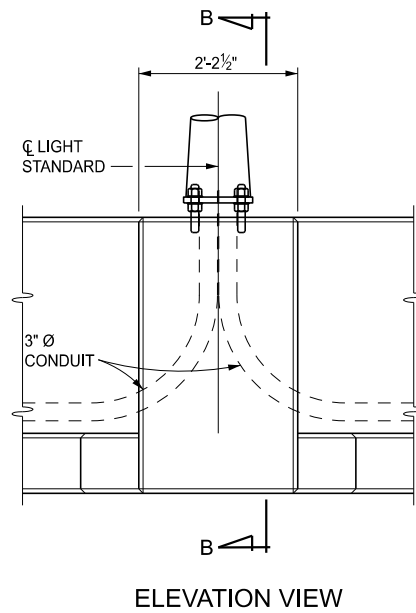
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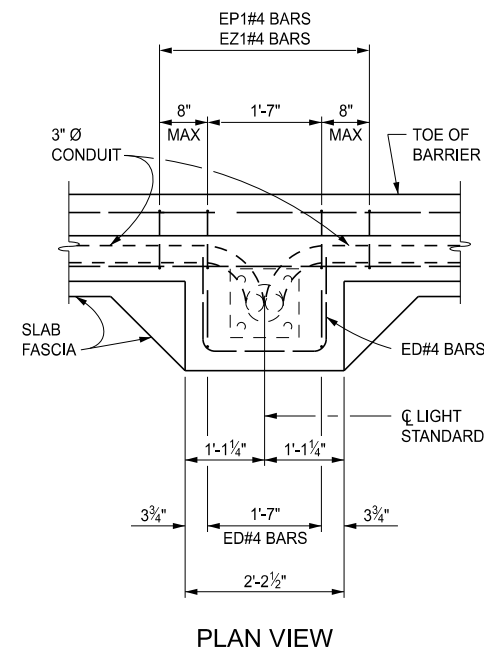
B-28-A

SHEET  
2 OF 7

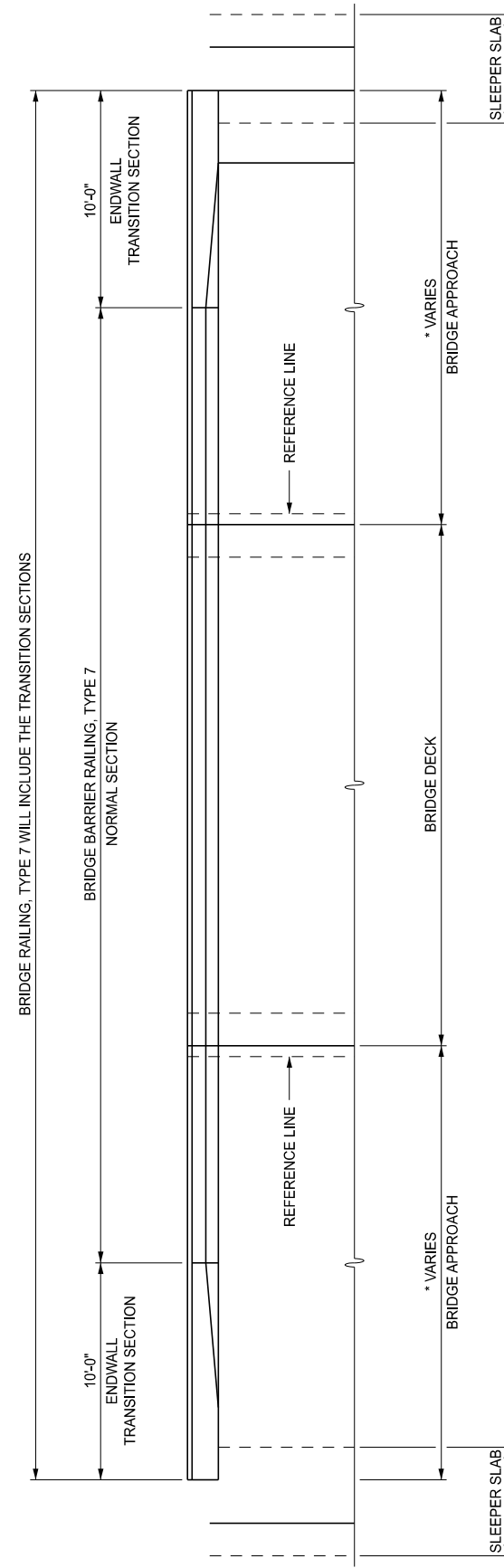
SECT



NO AESTHETIC TREATMENT ON LIGHT STANDARD 2'-2 1/2" x 1'-2 7/8" PROTRUSION

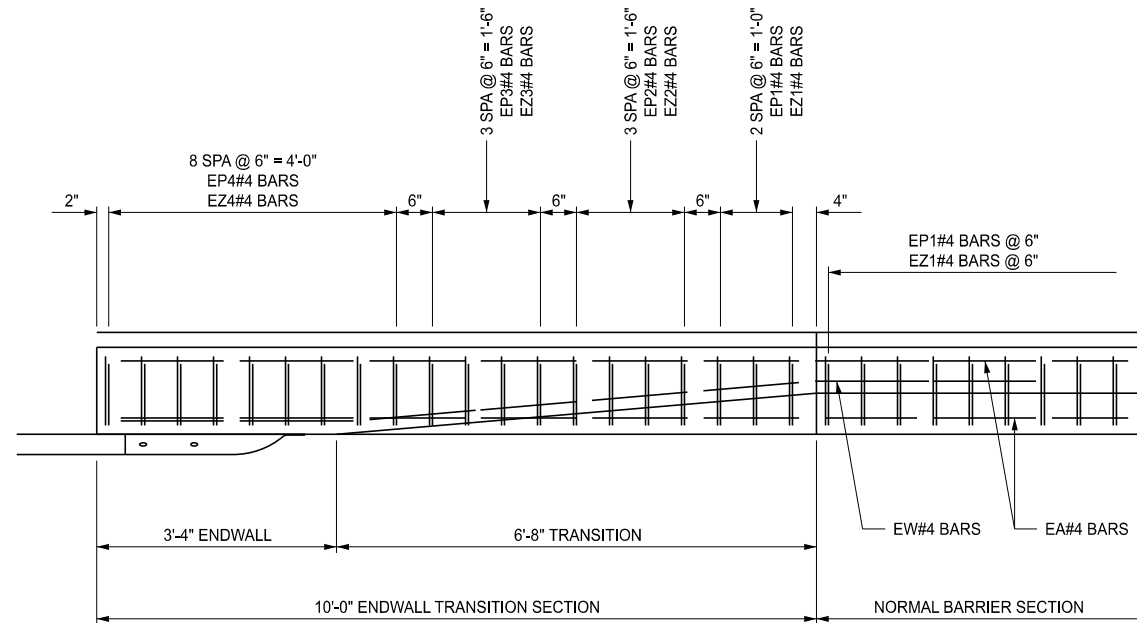


	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 7			SHEET 3 OF 7
	(SPECIAL DETAIL) FHWA APPROVAL	05/07/2026 PLAN DATE	B-28-A	

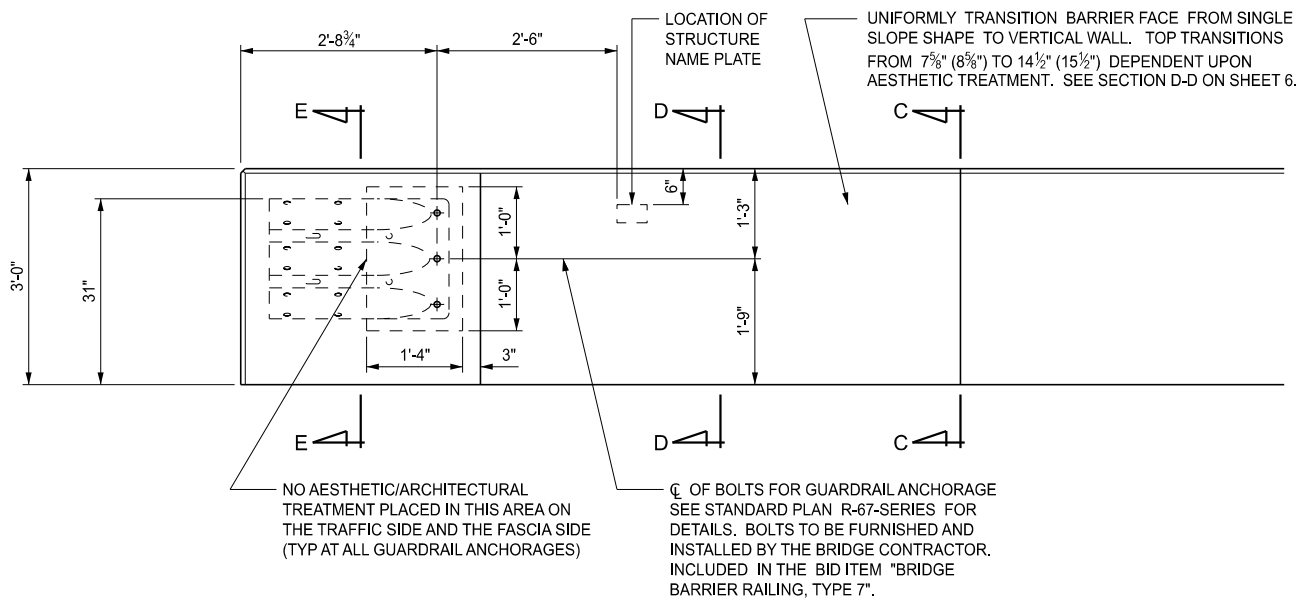


\* DEPENDANT UPON BRIDGE APPROACH LENGTH, THE TRANSITION SECTION CAN BE PARTLY ON BRIDGE DECK OR IF NO APPROACH SLAB IS PRESENT, ENTIRELY ON THE BRIDGE DECK.

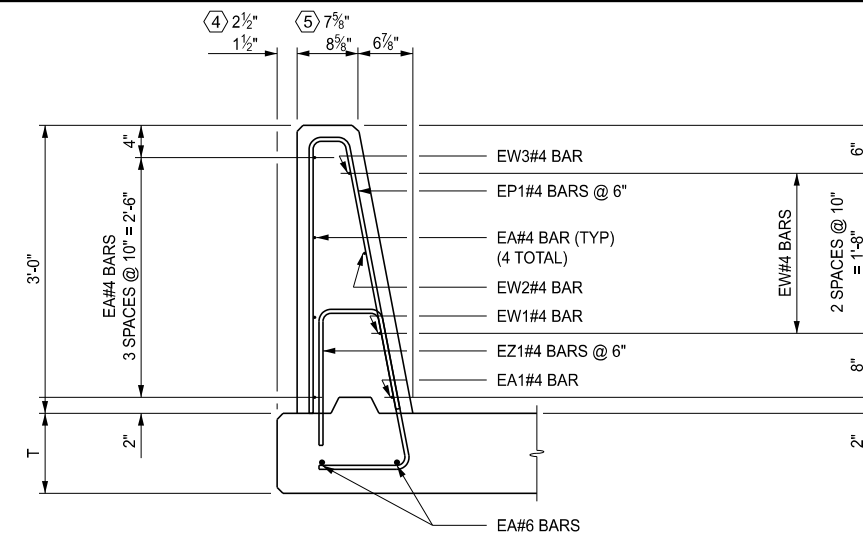
	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 7			SHEET 4 OF 7 SECT
	(SPECIAL DETAIL) FHWA APPROVAL	05/07/2026 PLAN DATE	B-28-A	



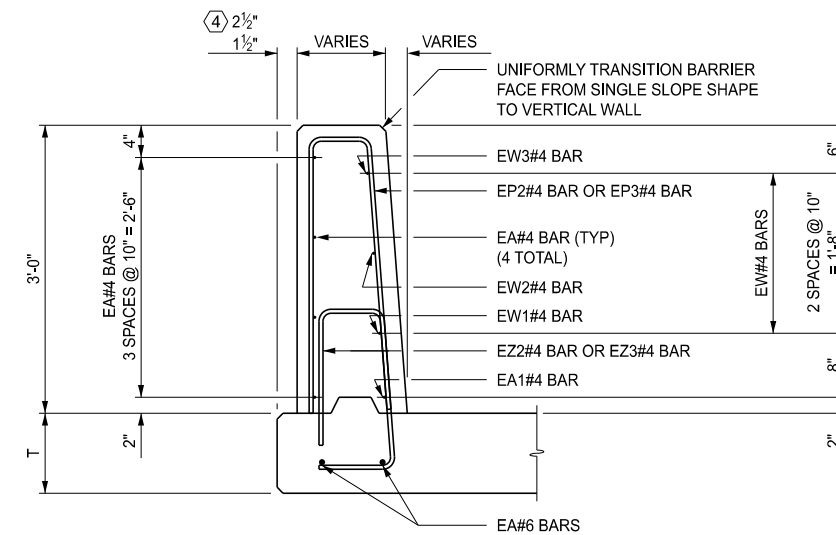
PLAN VIEW



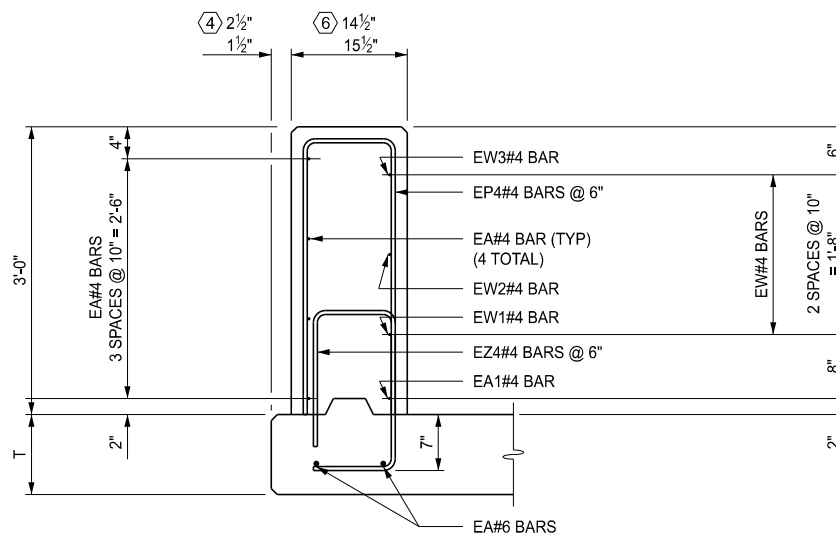
ELEVATION VIEW



SECTION C-C



SECTION D-D

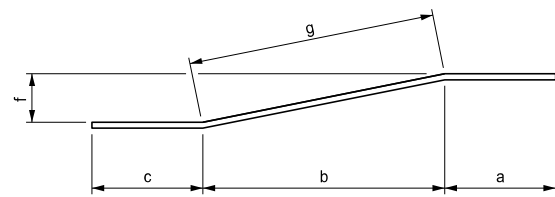


SECTION E-E

- ④ 2½" BRIDGE BARRIER RAILING, TYPE 7 (+ SEE NOTES)  
1½" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 2
- ⑤ 7⅞" BRIDGE BARRIER RAILING, TYPE 7 (+ SEE NOTES)  
8⅝" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 2
- ⑥ 14½" BRIDGE BARRIER RAILING, TYPE 7 (+ SEE NOTES)  
15½" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 2

	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 7			SHEET 5 OF 7
	(SPECIAL DETAIL) FHWA APPROVAL	05/07/2026 PLAN DATE	B-28-A	

	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 7			SHEET 6 OF 7
	(SPECIAL DETAIL) FHWA APPROVAL	05/07/2026 PLAN DATE	B-28-A	



ENDWALL TRANSITION SECTION BARS							
	# of bars	c	b	a	g	j	
EA1	1	--	--	11'-11"	--	--	EA041111
EW1	1	3'-0"	5'-6"	3'-5"	5'-6"	1 <sup>7</sup> / <sub>8</sub> "	EW041111
EW2	1	3'-0"	5'-6"	3'-5 <sup>7</sup> / <sub>8</sub> "	5'-6 <sup>1</sup> / <sub>8</sub> "	3 <sup>7</sup> / <sub>8</sub> "	EW041200
EW3	1	3'-0"	5'-6"	3'-6 <sup>3</sup> / <sub>4</sub> "	5'-6 <sup>1</sup> / <sub>4</sub> "	5 <sup>3</sup> / <sub>4</sub> "	EW041201

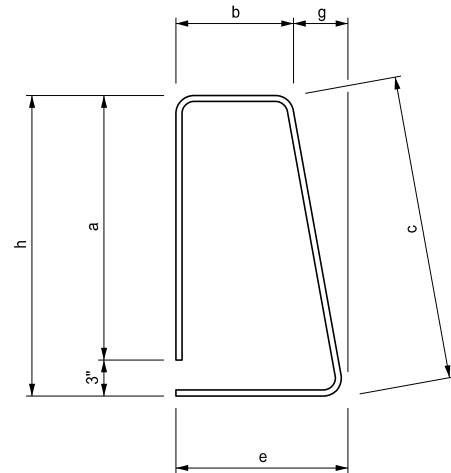
$$L = c + a + g$$

BARRIER SECTION BARS									
	# of bars	a	b	c	e	g	h	h - a	
EZ1	--	1'-5"	7 <sup>3</sup> / <sub>8</sub> "	1'-8 <sup>3</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>4</sub> "	3 <sup>5</sup> / <sub>8</sub> "	1'-8"	3"	EZ040408

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

ENDWALL TRANSITION SECTION BARS									
	# of bars	a	b	c	e	g	h	h - a	
EZ1	3	1'-5"	7 <sup>3</sup> / <sub>8</sub> "	1'-8 <sup>3</sup> / <sub>8</sub> "	11 <sup>1</sup> / <sub>4</sub> "	3 <sup>5</sup> / <sub>8</sub> "	1'-8"	3"	EZ040408
EZ2	4	1'-5"	7 <sup>7</sup> / <sub>8</sub> "	1'-8 <sup>1</sup> / <sub>4</sub> "	10 <sup>7</sup> / <sub>8</sub> "	2 <sup>7</sup> / <sub>8</sub> "	1'-8"	3"	EZ040408
EZ3	4	1'-5"	8 <sup>3</sup> / <sub>4</sub> "	1'-8"	10 <sup>1</sup> / <sub>4</sub> "	1 <sup>1</sup> / <sub>2</sub> "	1'-8"	3"	EZ040408
EZ4	9	1'-5"	10 <sup>1</sup> / <sub>2</sub> "	1'-8"	10 <sup>1</sup> / <sub>2</sub> "	--	1'-8"	3"	EZ040410

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

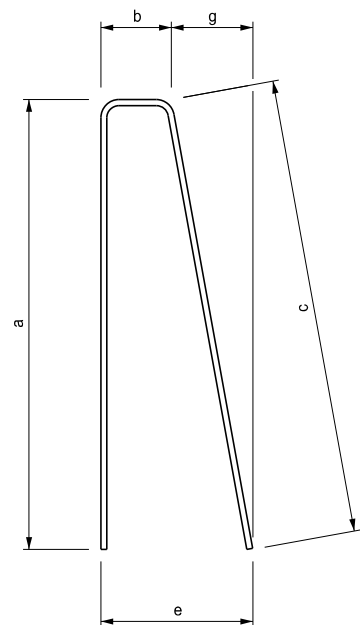


BARRIER SECTION BARS							
	# of bars	a	b	c	e	g	
EP1	--	2'-10 <sup>1</sup> / <sub>4</sub> "	4 <sup>3</sup> / <sub>4</sub> "	2'-11"	11"	6 <sup>1</sup> / <sub>4</sub> "	EP040602

$$L = a + b + c$$

ENDWALL TRANSITION SECTION BARS							
	# of bars	a	b	c	e	g	
EP1	3	2'-10 <sup>1</sup> / <sub>4</sub> "	4 <sup>3</sup> / <sub>4</sub> "	2'-11"	11"	6 <sup>1</sup> / <sub>4</sub> "	EP040602
EP2	4	2'-9 <sup>7</sup> / <sub>8</sub> "	6 <sup>1</sup> / <sub>4</sub> "	2'-10 <sup>7</sup> / <sub>8</sub> "	11"	4 <sup>3</sup> / <sub>4</sub> "	EP040603
EP3	4	2'-10 <sup>1</sup> / <sub>8</sub> "	8 <sup>1</sup> / <sub>4</sub> "	2'-10 <sup>5</sup> / <sub>8</sub> "	11"	2 <sup>3</sup> / <sub>4</sub> "	EP040605
EP4	9	2'-10 <sup>1</sup> / <sub>2</sub> "	11"	2'-10 <sup>1</sup> / <sub>2</sub> "	11"	--	EP040608

$$L = a + b + c$$



NOTES:

DETAILS SHOWN ARE ACCORDING TO AASHTO SPECIFICATIONS.

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

ALL WORK AND MATERIAL ARE ACCORDING TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.



DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR  
BRIDGE BARRIER RAILING, TYPE 7

(SPECIAL DETAIL)  
FHWA APPROVAL

05/07/2026  
PLAN DATE

B-28-A

SHEET  
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