

BRIDGE BARRIER RAILING, TYPE 6 OUTSIDE ELEVATION

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF BRIDGES AND STRUCTURES

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: \_\_\_\_\_  
DIRECTOR, BUREAU OF DEVELOPMENT



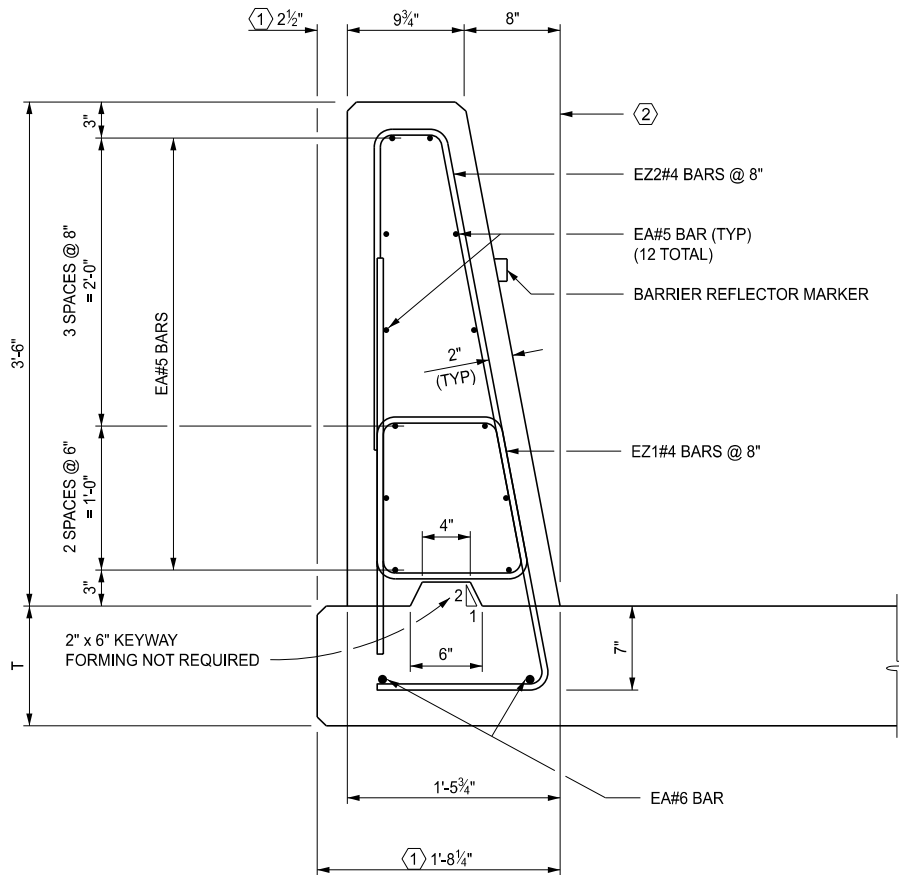
DEPARTMENT DIRECTOR  
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR  
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL) 05/07/2026  
FHWA APPROVAL PLAN DATE

B-29-A

SHEET  
1 OF 8



SECTION A-A  
NO AESTHETIC TREATMENT

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.



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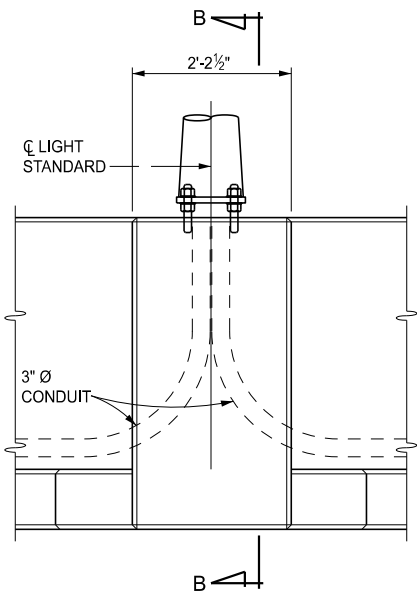
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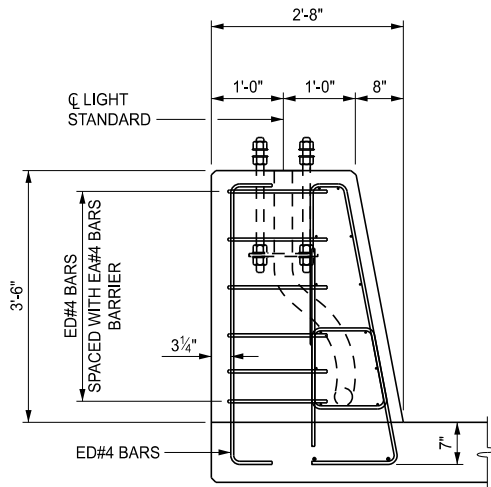
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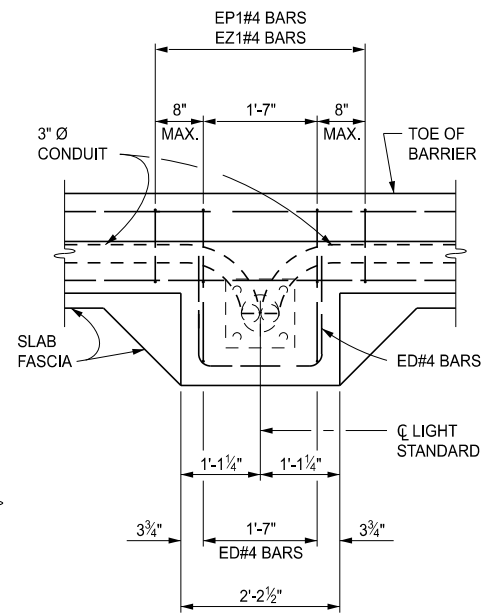




ELEVATION VIEW



SECTION B-B



PLAN VIEW

LIGHT STANDARD DETAILS

NO AESTHETIC TREATMENT ON LIGHT STANDARD 2'-2 1/2" x 1'-2 1/4" PROTRUSION



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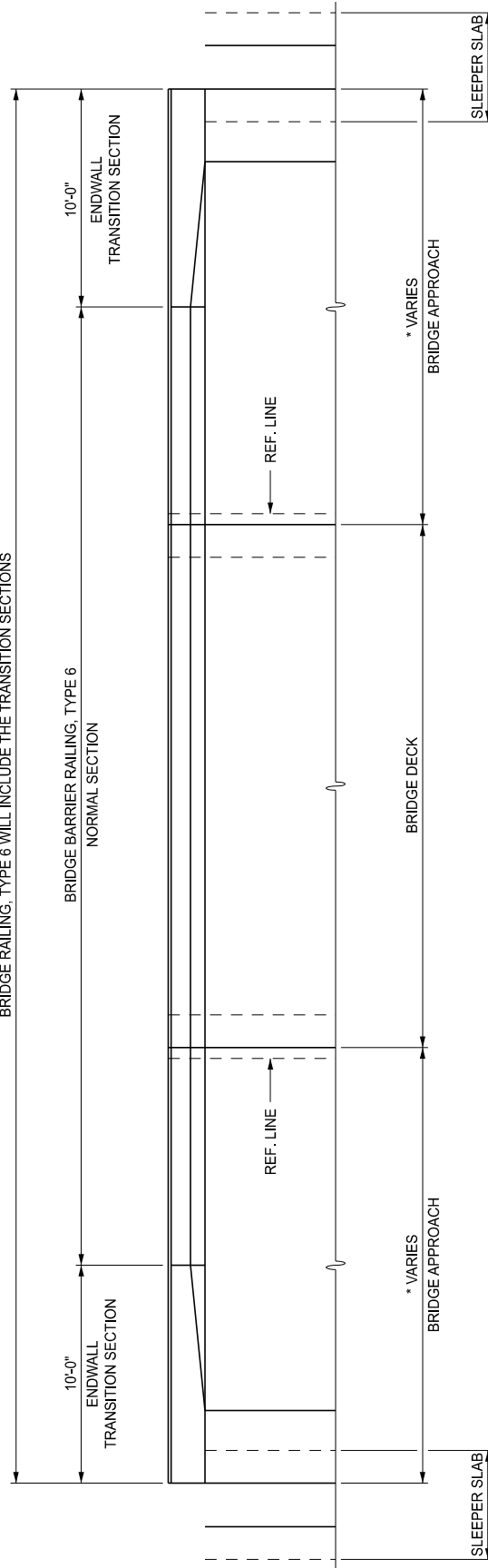
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BRIDGE RAILING, TYPE 6 WILL INCLUDE THE TRANSITION SECTIONS



**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.



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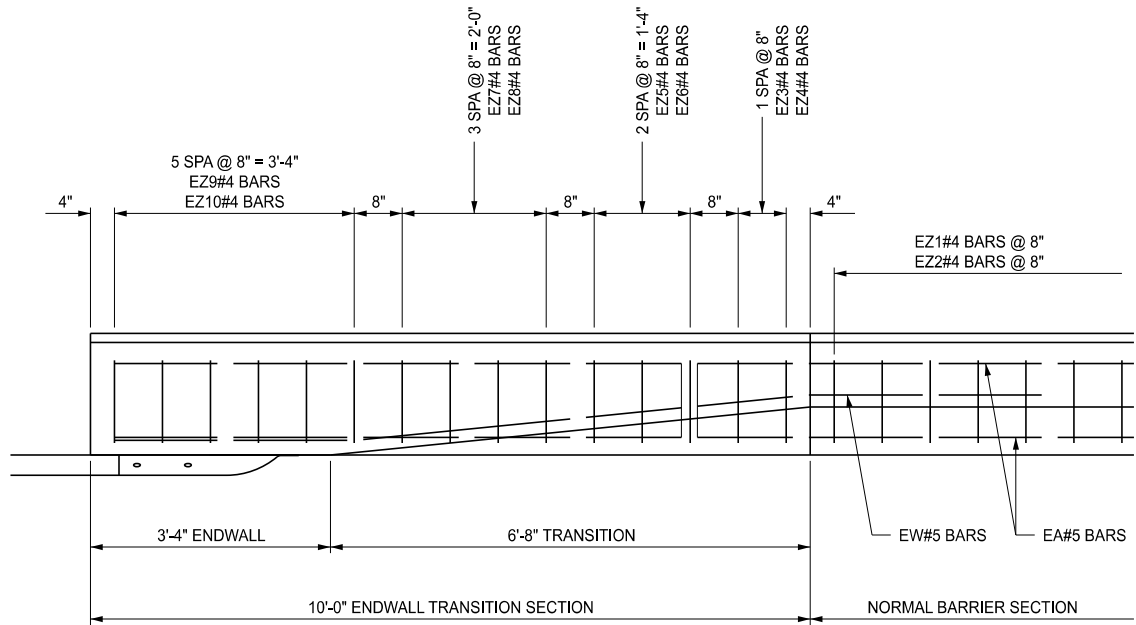
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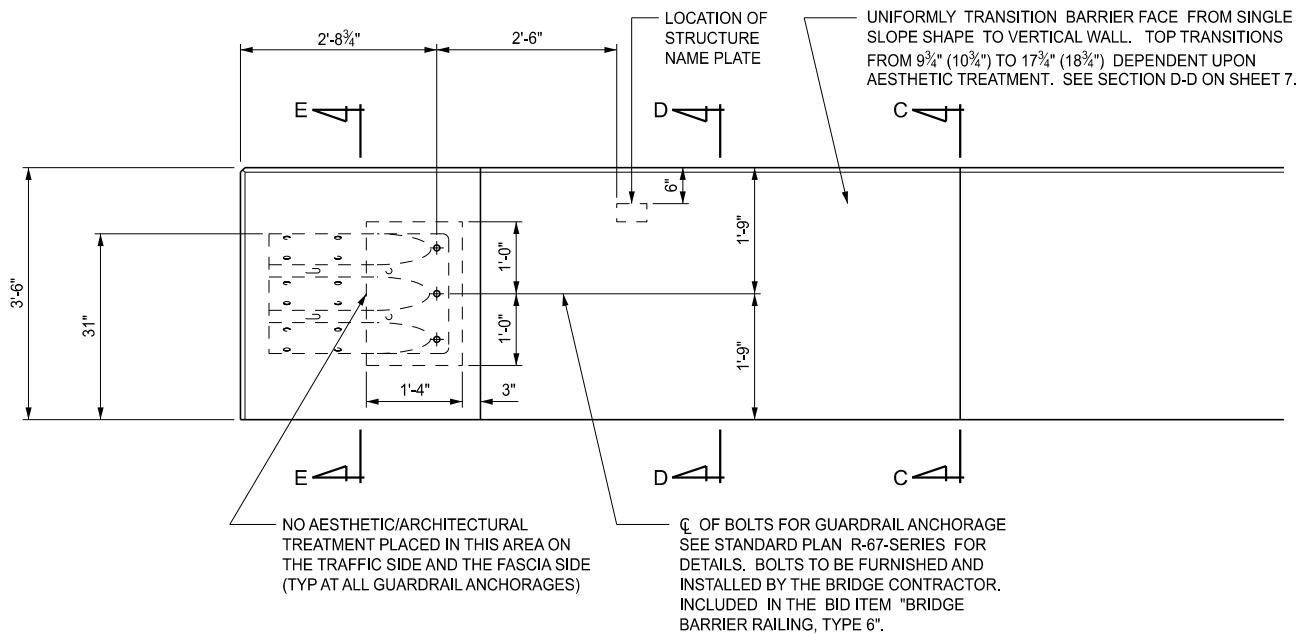
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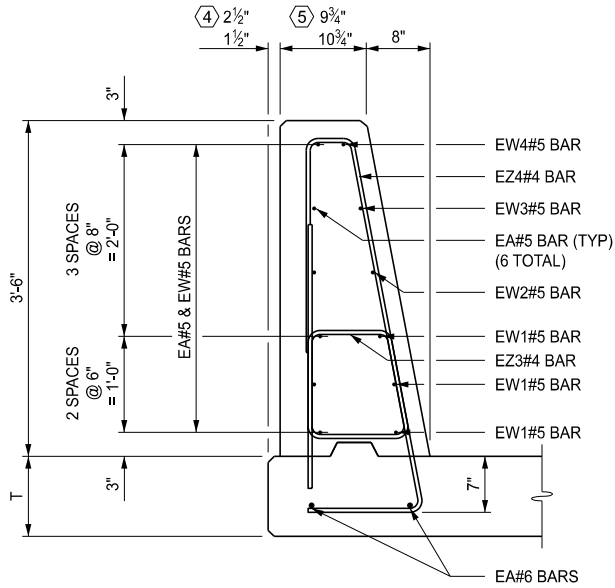


PLAN VIEW

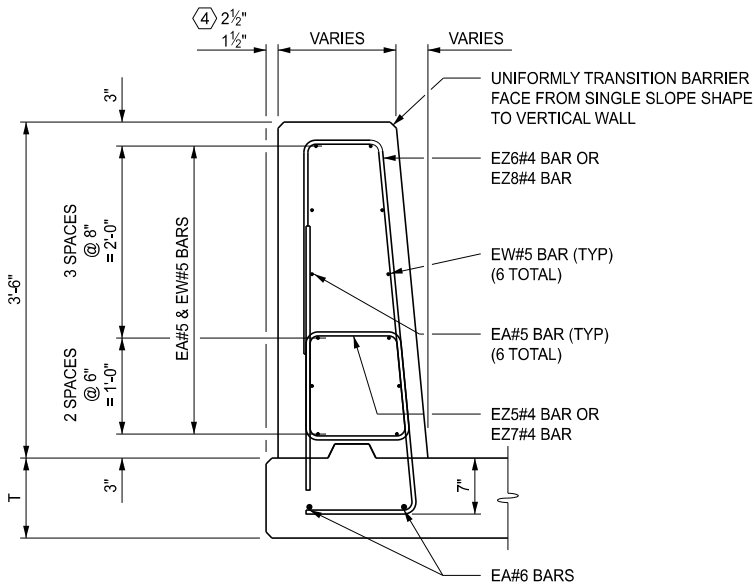


ELEVATION VIEW

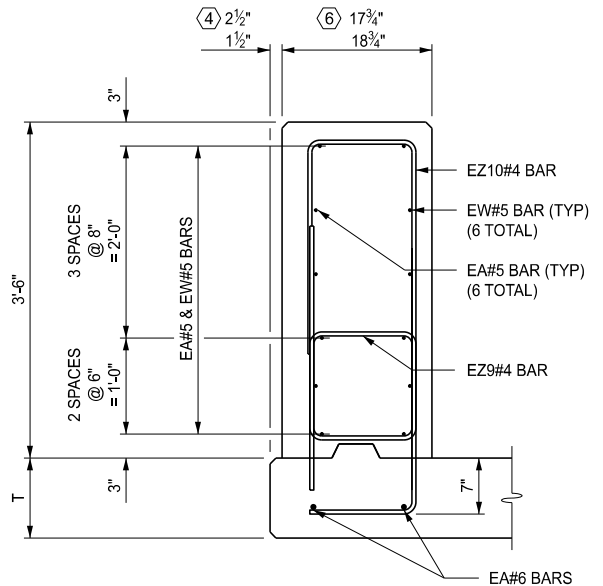
 DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE	STANDARD PLAN FOR <b>BRIDGE BARRIER RAILING, TYPE 6</b>		<b>B-29-A</b>	SHEET 6 OF 8
	(SPECIAL DETAIL) FHWA APPROVAL	05/07/2026 PLAN DATE		



SECTION C-C



SECTION D-D



SECTION E-E

- (4) 2 1/2" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)  
1 1/2" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2
- (5) 9 3/4" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)  
10 3/4" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2
- (6) 17 3/4" BRIDGE BARRIER RAILING, TYPE 6 (+ SEE NOTES)  
18 3/4" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 6, DET 2



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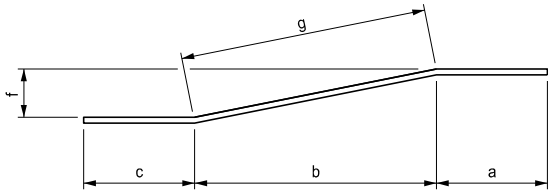
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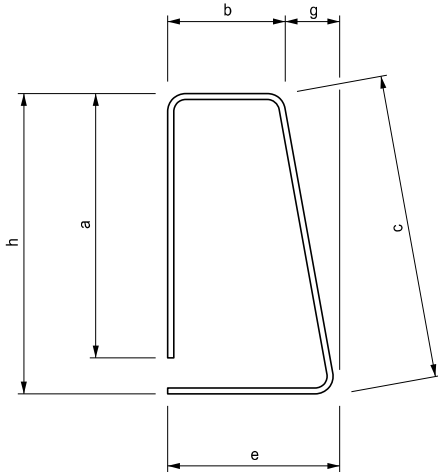
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ENDWALL TRANSITION SECTION BARS							
	# of bars	c	b	a	g	f	
EW1	3	2'-2"	2'-8"	7'-6"	2'-8"	1 <sup>5</sup> / <sub>8</sub> "	EW051204
EW2	1	2'-2"	6'-0"	4'-2 <sup>7</sup> / <sub>8</sub> "	6'-0 <sup>1</sup> / <sub>8</sub> "	4 <sup>1</sup> / <sub>4</sub>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

$$L = c + a + g$$

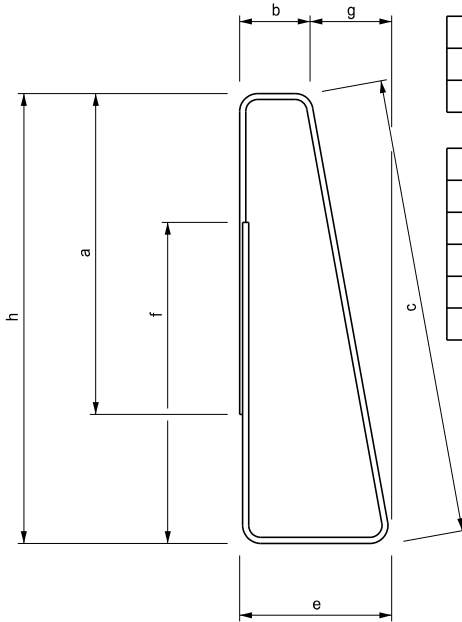


BARRIER SECTION BARS								
	# of bars	a	b	c	e	g	h	
EZ1	--	1'-8 <sup>1</sup> / <sub>8</sub> "	10 <sup>3</sup> / <sub>4</sub> "	1'-11 <sup>1</sup> / <sub>8</sub> "	1'-3"	4 <sup>3</sup> / <sub>8</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "	EZ040509

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

ENDWALL TRANSITION SECTION BARS								
	# of bars	a	b	c	e	g	h	
EZ3	2	1'-8"	10 <sup>3</sup> / <sub>8</sub> "	1'-11 <sup>1</sup> / <sub>8</sub> "	1'-2 <sup>1</sup> / <sub>2</sub> "	4 <sup>1</sup> / <sub>8</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "	EZ040508
EZ5	3	1'-7 <sup>3</sup> / <sub>4</sub> "	11"	1'-11"	1'-2 <sup>1</sup> / <sub>4</sub> "	3 <sup>1</sup> / <sub>4</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "	EZ040508
EZ7	4	1'-7 <sup>1</sup> / <sub>2</sub> "	11 <sup>3</sup> / <sub>4</sub> "	1'-10 <sup>7</sup> / <sub>8</sub> "	1'-1 <sup>7</sup> / <sub>8</sub> "	2 <sup>1</sup> / <sub>8</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "	EZ040508
EZ9	6	1'-7 <sup>3</sup> / <sub>4</sub> "	1'-1 <sup>3</sup> / <sub>4</sub> "	1'-10 <sup>3</sup> / <sub>4</sub> "	1'-1 <sup>3</sup> / <sub>4</sub> "	--	1'-10 <sup>3</sup> / <sub>4</sub> "	EZ040510

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



BARRIER SECTION BARS									
	# of bars	a	b	c	e	f	g		
EZ2	--	2'-3 <sup>3</sup> / <sub>8</sub> "	6 <sup>1</sup> / <sub>8</sub> "	3'-2 <sup>1</sup> / <sub>4</sub> "	1'-1 <sup>1</sup> / <sub>4</sub> "	2'-3"	7 <sup>1</sup> / <sub>8</sub> "	3'-1 <sup>5</sup> / <sub>8</sub> "	EZ040904

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

ENDWALL TRANSITION SECTION BARS									
	# of bars	a	b	c	e	f	g		
EZ4	2	2'-3 <sup>1</sup> / <sub>2</sub> "	6 <sup>1</sup> / <sub>2</sub> "	3'-2"	1'-1"	2'-3"	6 <sup>1</sup> / <sub>2</sub> "	3'-1 <sup>1</sup> / <sub>2</sub> "	EZ040904
EZ6	3	2'-3 <sup>7</sup> / <sub>8</sub> "	8 <sup>1</sup> / <sub>8</sub> "	3'-1 <sup>7</sup> / <sub>8</sub> "	1'-1 <sup>1</sup> / <sub>8</sub> "	2'-3"	5"	3'-1 <sup>1</sup> / <sub>2</sub> "	EZ040906
EZ8	4	2'-3 <sup>5</sup> / <sub>8</sub> "	10 <sup>1</sup> / <sub>2</sub> "	3'-1 <sup>5</sup> / <sub>8</sub> "	1'-1 <sup>1</sup> / <sub>4</sub> "	2'-3"	2 <sup>3</sup> / <sub>4</sub> "	3'-1 <sup>1</sup> / <sub>2</sub> "	EZ040908
EZ10	6	2'-3 <sup>1</sup> / <sub>2</sub> "	1'-1 <sup>1</sup> / <sub>2</sub> "	3'-1 <sup>1</sup> / <sub>2</sub> "	1'-1 <sup>1</sup> / <sub>2</sub> "	2'-3"	--	3'-1 <sup>1</sup> / <sub>2</sub> "	EZ040911

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

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.



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