

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



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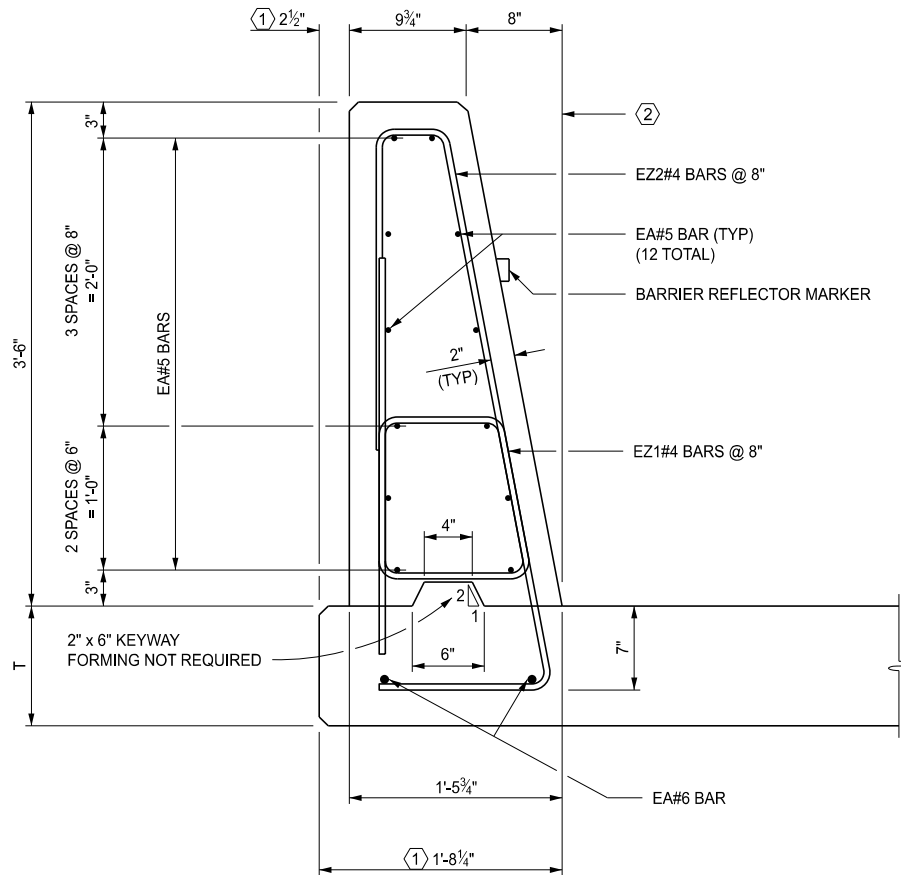
STANDARD PLAN FOR  
BRIDGE BARRIER RAILING, TYPE 6

(SPECIAL DETAIL)  
FHWA APPROVAL

12/17/2025  
PLAN DATE

B-29-A

SHEET  
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SECTION A-A  
NO AESTHETIC TREATMENT

① BACK OF BARRIER TO SLAB FASCIA MAY BE DECREASED TO 1½" (FROM 2½") 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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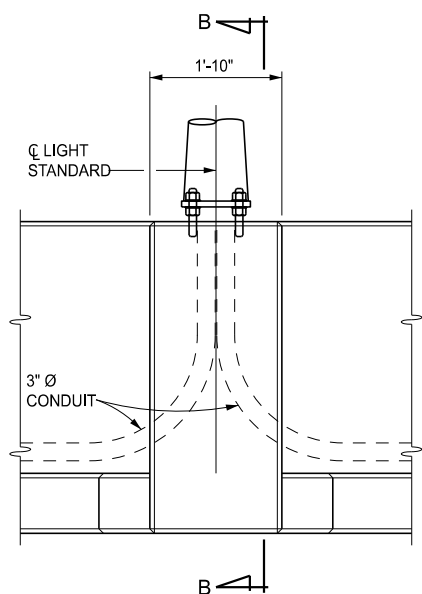
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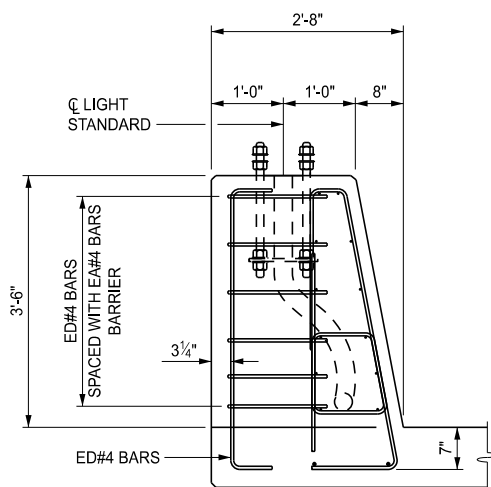
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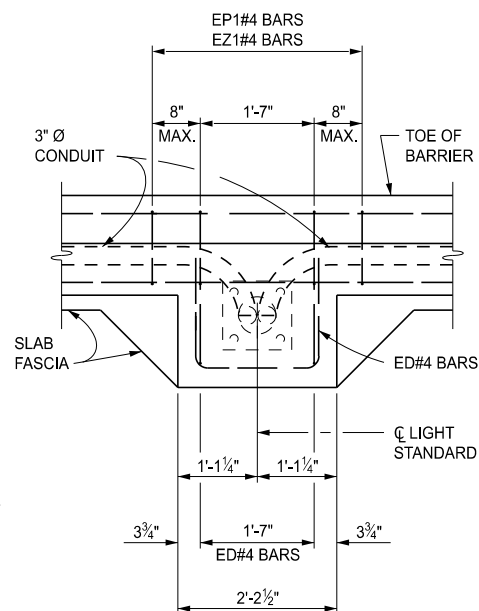
 Michigan Department of Transportation	STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 6			
	(SPECIAL DETAIL) FHWA APPROVAL	12/17/2025 PLAN DATE	B-29-A	SHEET 3 OF 8



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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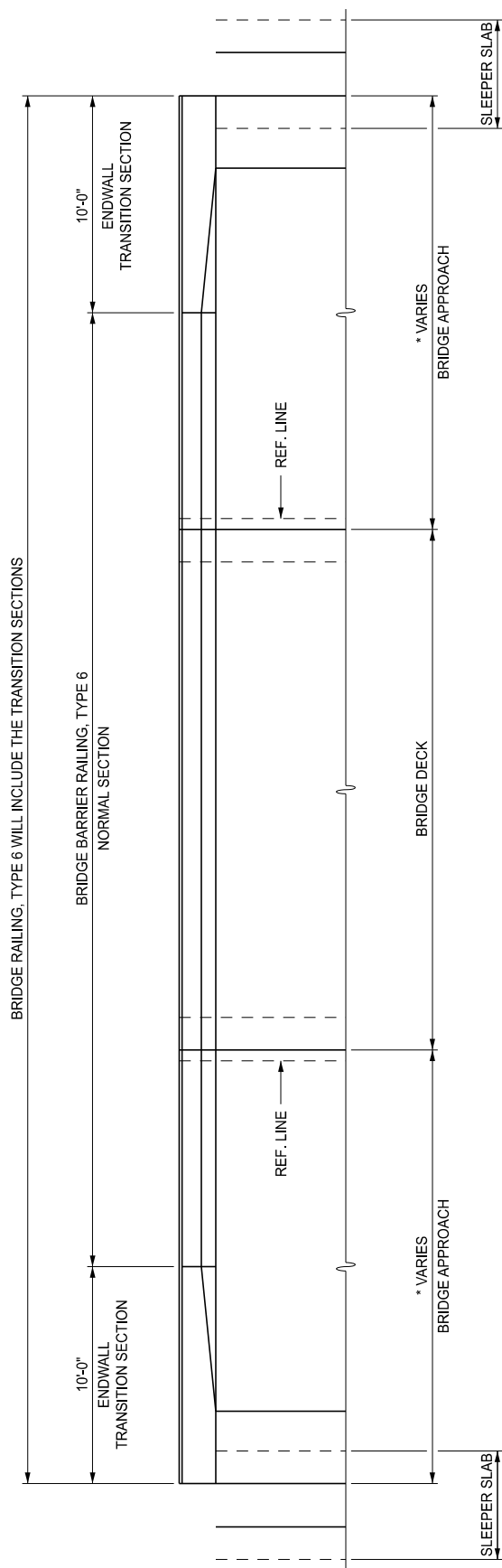
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### BRIDGE BARRIER RAILING, TYPE 6 PLAN VIEW

\* 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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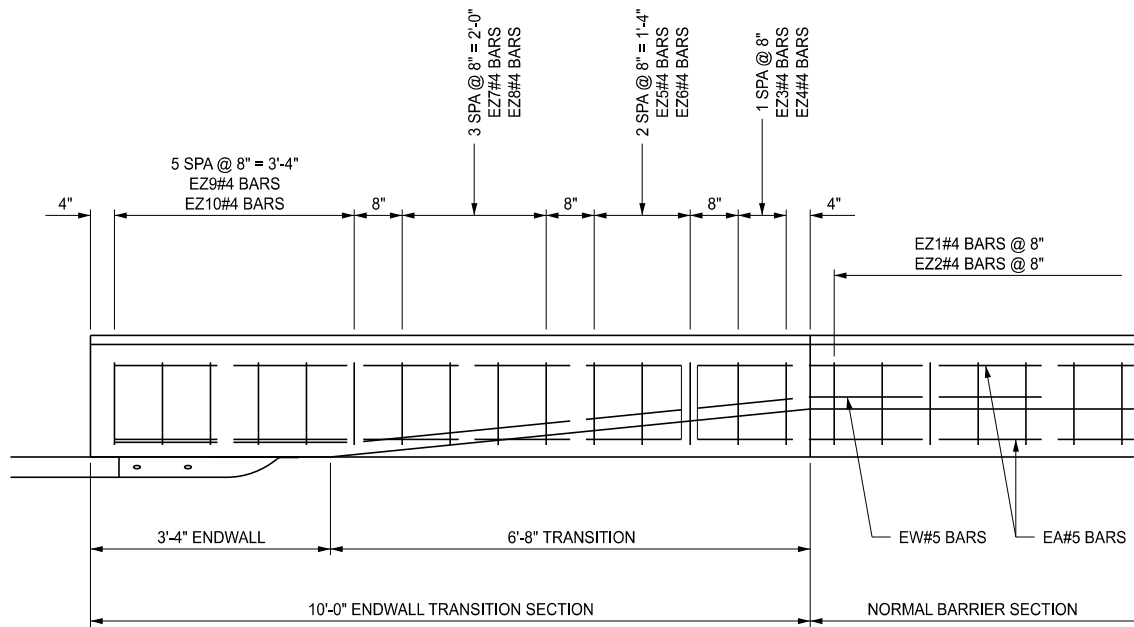
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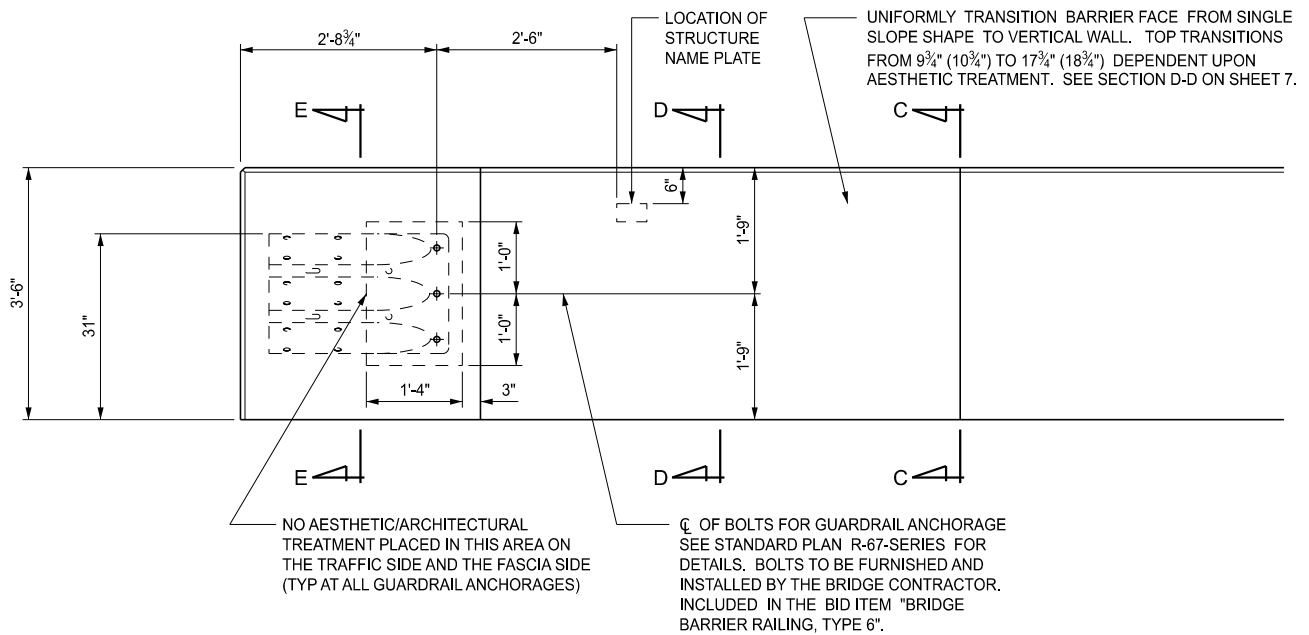
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PLAN VIEW



ELEVATION VIEW



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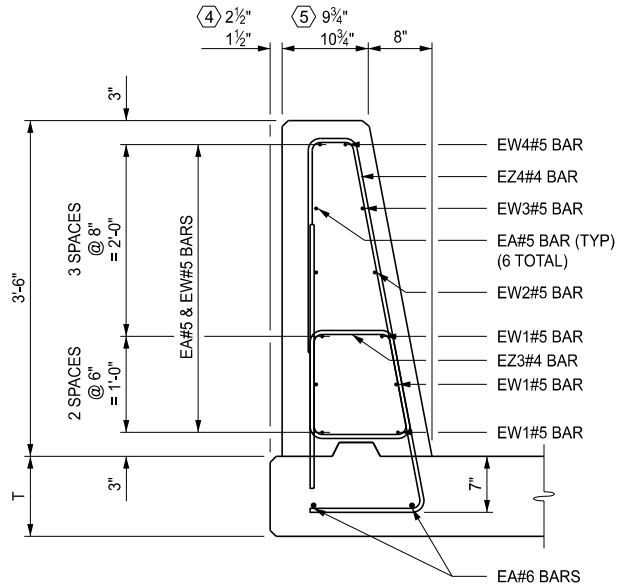
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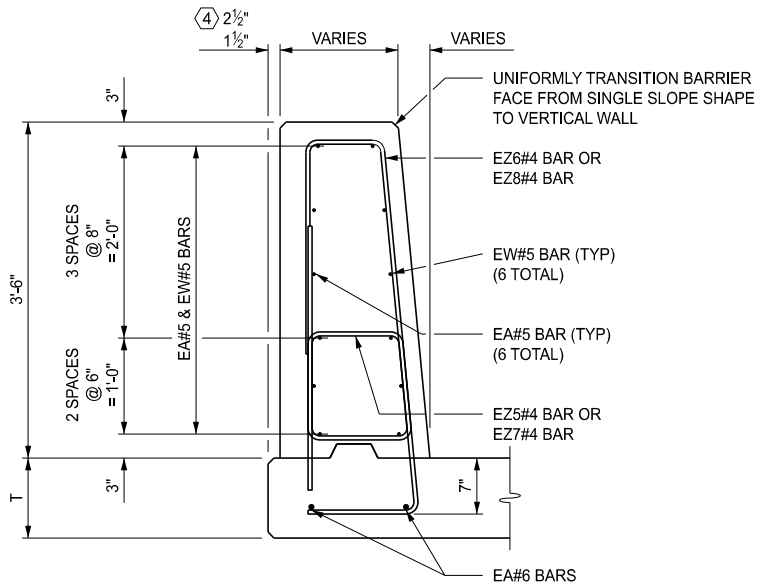
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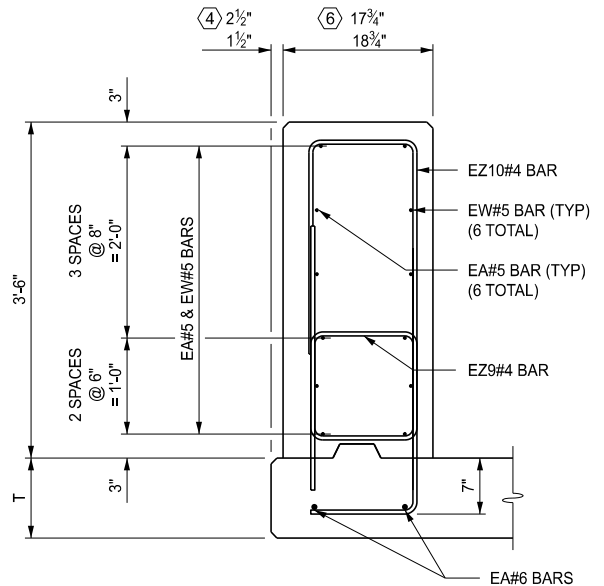
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SECTION C-C



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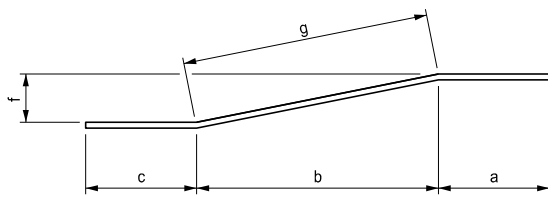
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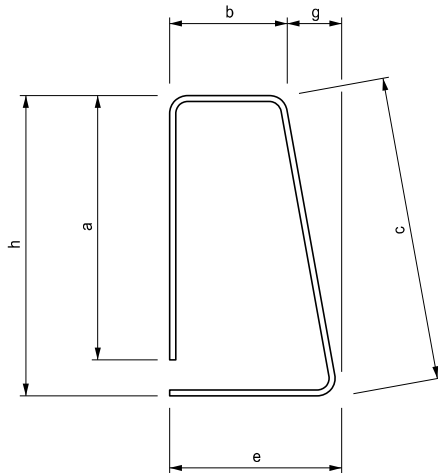
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ENDWALL TRANSITION SECTION BARS							
	# of bars	c	b	a	g	f	
EW1	3	2'-2"	2'-8"	7'-6"	2'-8"	1' <sup>5</sup> / <sub>8</sub> "	EW051204
EW2	1	2'-2"	6'-0"	4'-2' <sup>7</sup> / <sub>8</sub> "	6'-0' <sup>1</sup> / <sub>8</sub> "	4' <sup>1</sup> / <sub>4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

$$L = c + a + g$$

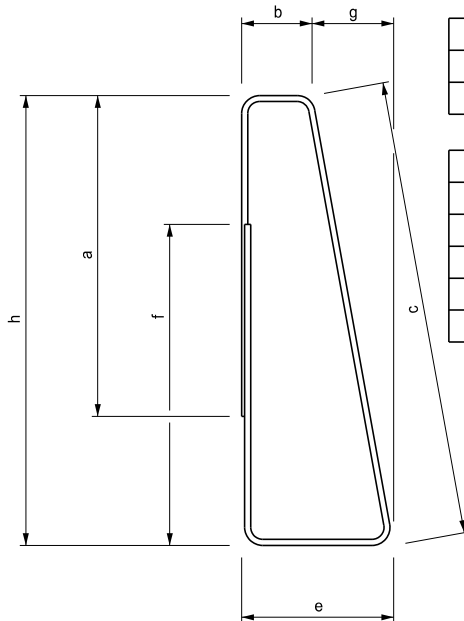


BARRIER SECTION BARS							
	# of bars	a	b	c	e	g	h
EZ1	--	1'-8' <sup>1</sup> / <sub>8</sub> "	10' <sup>3</sup> / <sub>4</sub> "	1'-11' <sup>1</sup> / <sub>8</sub> "	1'-3"	4' <sup>1</sup> / <sub>4</sub> "	1'-10' <sup>3</sup> / <sub>4</sub> "

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

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	h	
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	h	
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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