

BRIDGE BARRIER RAILING, TYPE 7 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

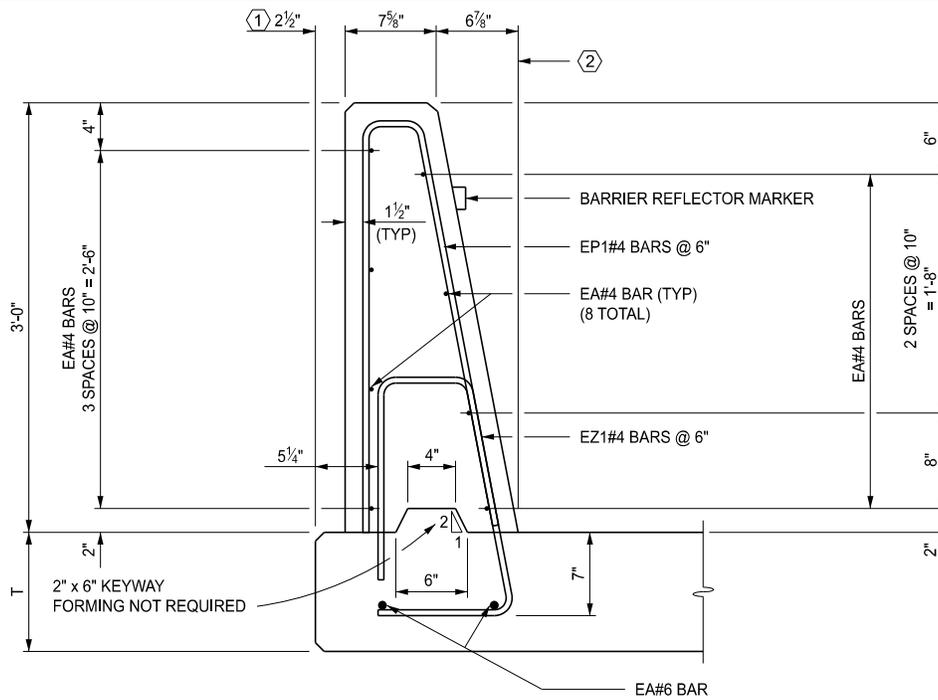
STANDARD PLAN FOR
BRIDGE BARRIER RAILING, TYPE 7

(SPECIAL DETAIL)
FHWA APPROVAL

12/17/2025
PLAN DATE

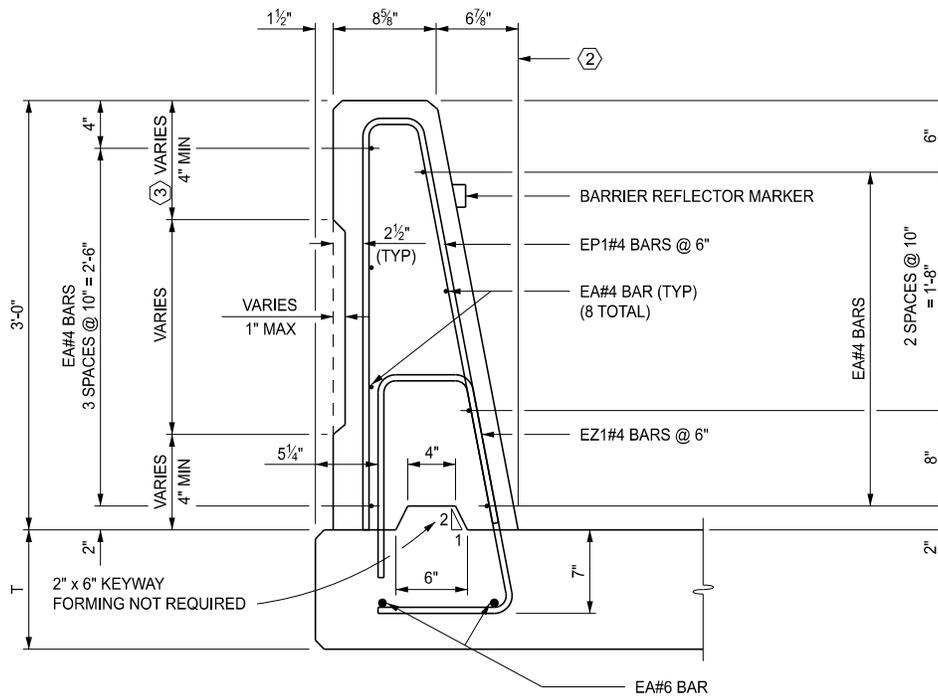
B-28-A

SHEET
1 OF 7



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.



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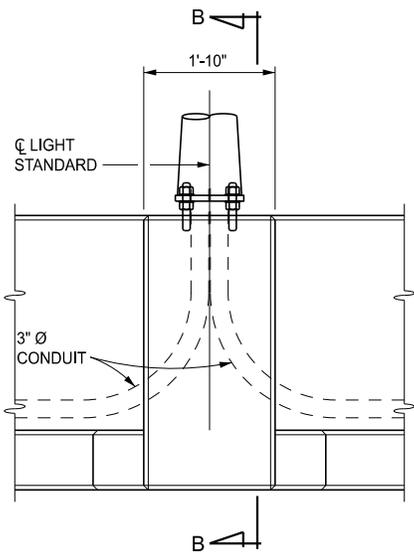
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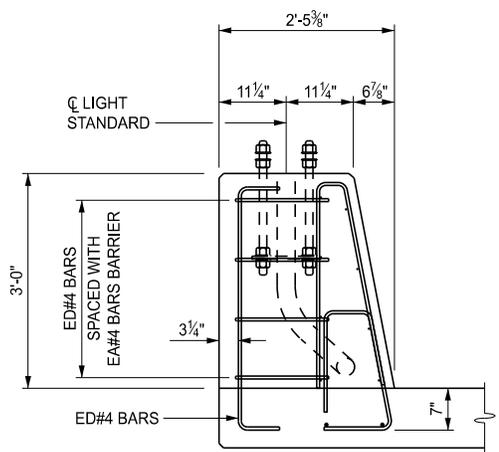
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B-28-A

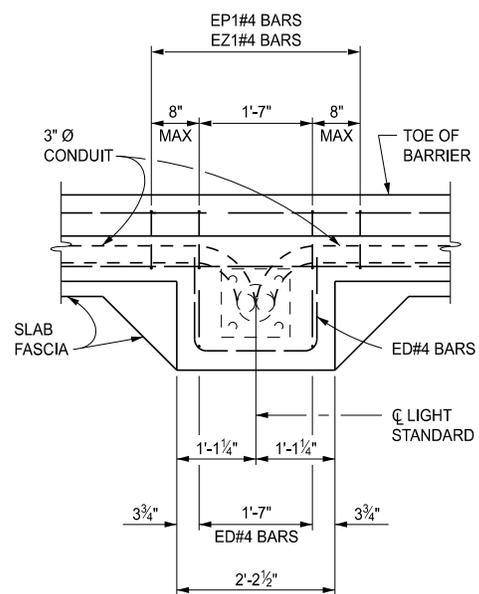
SHEET
 2 OF 7



ELEVATION VIEW



SECTION B-B



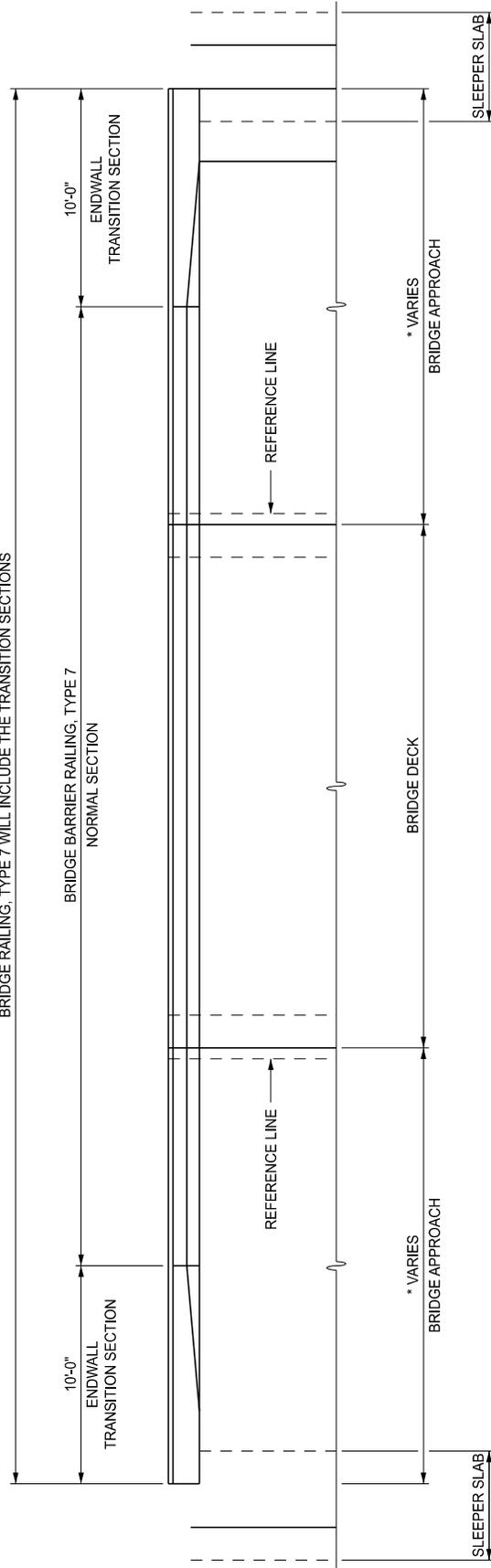
PLAN VIEW

LIGHT STANDARD DETAILS

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

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BRIDGE RAILING, TYPE 7 WILL INCLUDE THE TRANSITION SECTIONS



**BRIDGE BARRIER RAILING, TYPE 7
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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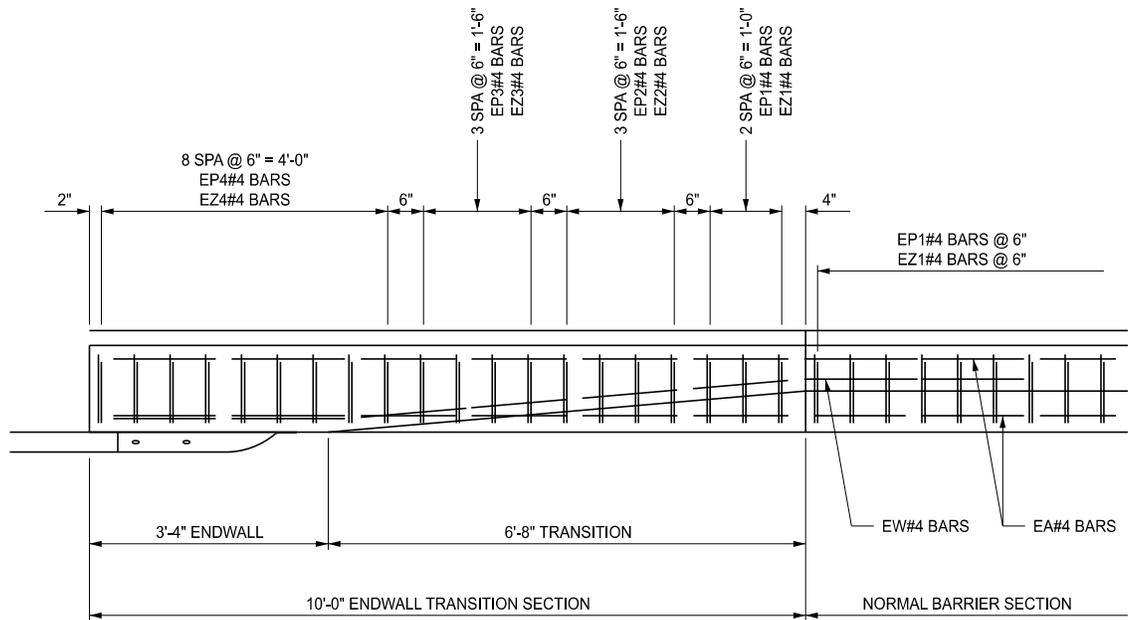
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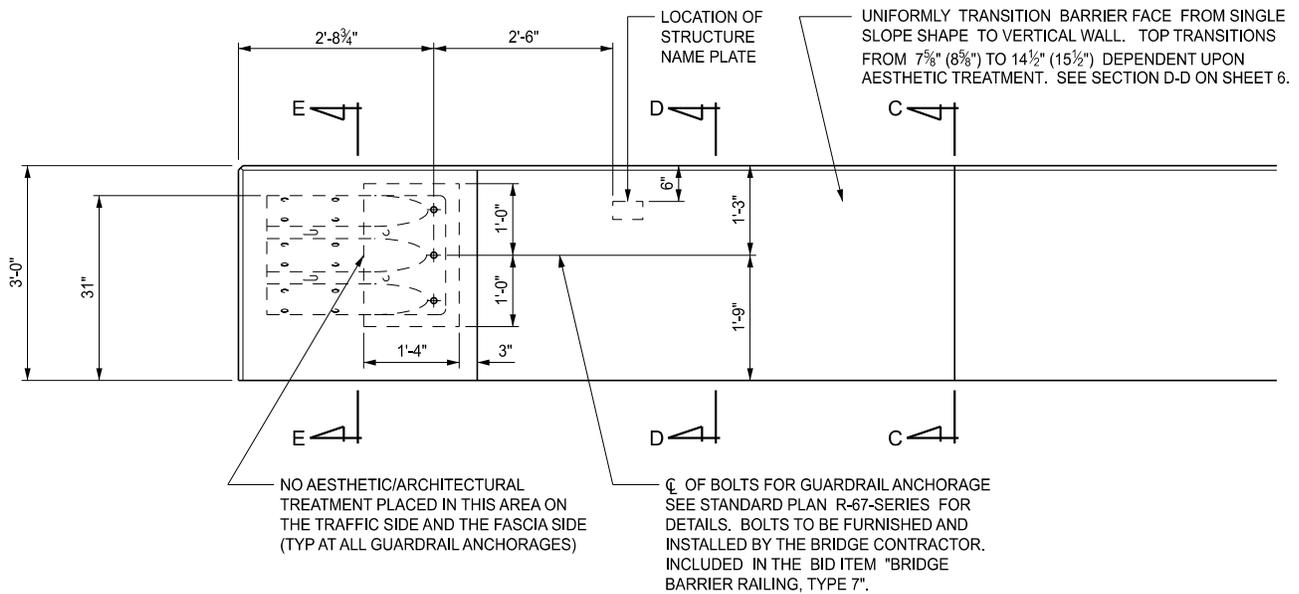
12/17/2025
PLAN DATE

B-28-A

SHEET
4 OF 7



PLAN VIEW



ELEVATION VIEW

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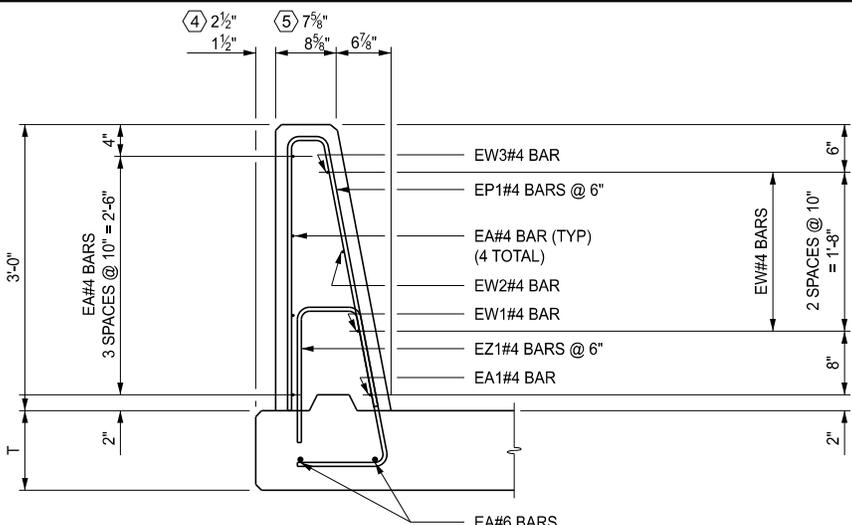
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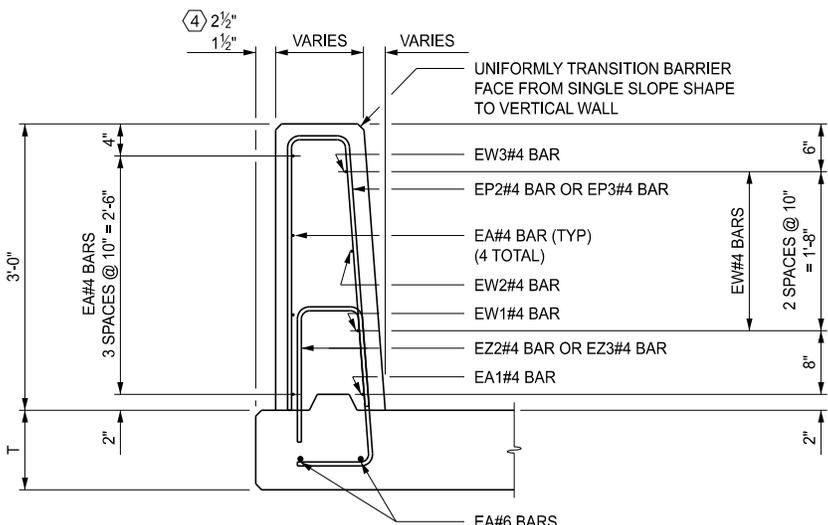
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PLAN DATE

B-28-A

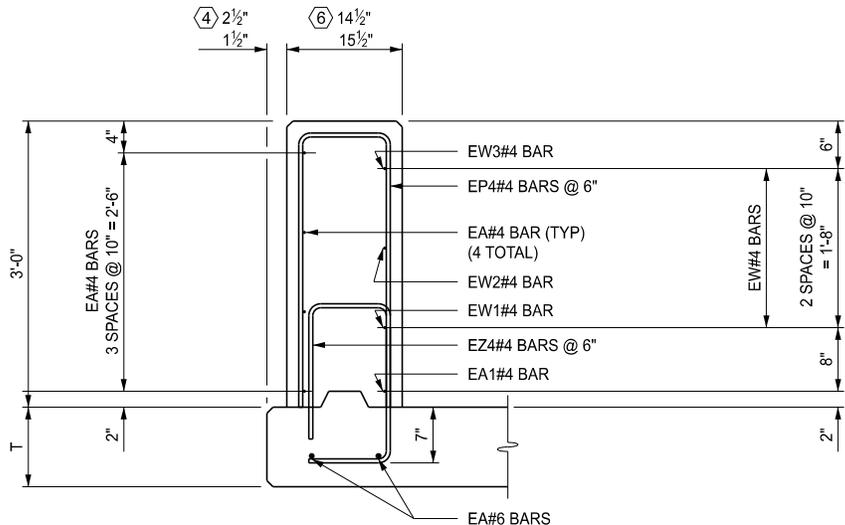
SHEET
5 OF 7



SECTION C-C



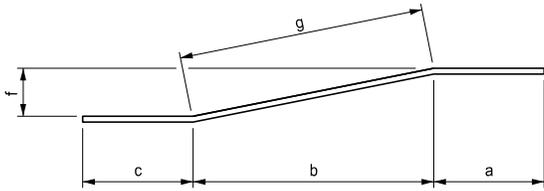
SECTION D-D



SECTION E-E

- ④ 2 1/2" BRIDGE BARRIER RAILING, TYPE 7 (+ SEE NOTES)
1 1/2" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 2
- ⑤ 7 3/8" BRIDGE BARRIER RAILING, TYPE 7 (+ SEE NOTES)
8 3/8" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 2
- ⑥ 14 1/2" BRIDGE BARRIER RAILING, TYPE 7 (+ SEE NOTES)
15 1/2" BRIDGE BARRIER RAILING, AESTHETIC, TYPE 7, DET 2

<p>MDOT Michigan Department of Transportation</p> <p>DEPARTMENT DIRECTOR BRADLEY C. WIEFERICH, PE</p>	<p>STANDARD PLAN FOR BRIDGE BARRIER RAILING, TYPE 7</p>		<p>B-28-A</p>	<p>SHEET 6 OF 7</p>
	<p>(SPECIAL DETAIL) FHWA APPROVAL</p>	<p>12/17/2025 PLAN DATE</p>		

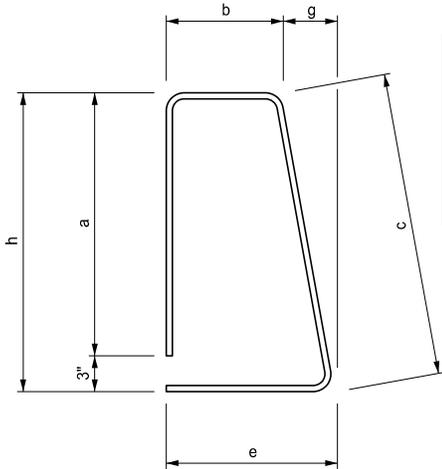


ENDWALL TRANSITION SECTION BARS							
	# of bars	c	b	a	g	j	
EA1	1	—	—	11'-11"	--	--	EA041111
EW1	1	3'-0"	5'-6"	3'-5"	5'-6"	1 ⁷ / ₈ "	EW041111
EW2	1	3'-0"	5'-6"	3'-5 ⁷ / ₈ "	5'-6 ¹ / ₈ "	3 ⁷ / ₈ "	EW041200
EW3	1	3'-0"	5'-6"	3'-6 ³ / ₄ "	5'-6 ¹ / ₄ "	5 ³ / ₄ "	EW041201

$$L = c + a + g$$

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

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

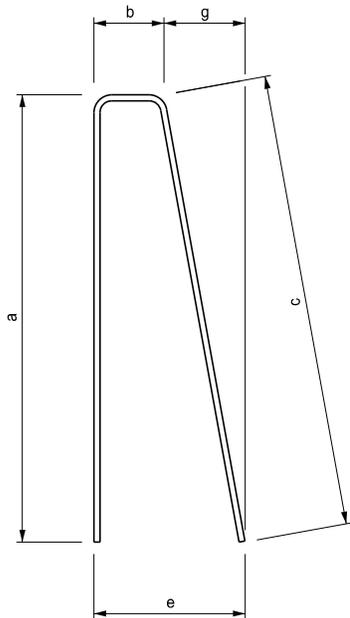


ENDWALL TRANSITION SECTION BARS									
	# of bars	a	b	c	e	g	h	h - a	
EZ1	3	1'-5"	7 ³ / ₈ "	1'-8 ³ / ₈ "	11 ¹ / ₄ "	3 ⁵ / ₈ "	1'-8"	3"	EZ040408
EZ2	4	1'-5"	7 ⁷ / ₈ "	1'-8 ¹ / ₂ "	10 ⁷ / ₈ "	2 ⁷ / ₈ "	1'-8"	3"	EZ040408
EZ3	4	1'-5"	8 ³ / ₄ "	1'-8"	10 ¹ / ₄ "	1 ¹ / ₂ "	1'-8"	3"	EZ040408
EZ4	9	1'-5"	10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

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

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

$$L = a + b + c$$



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



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SHEET
7 OF 7