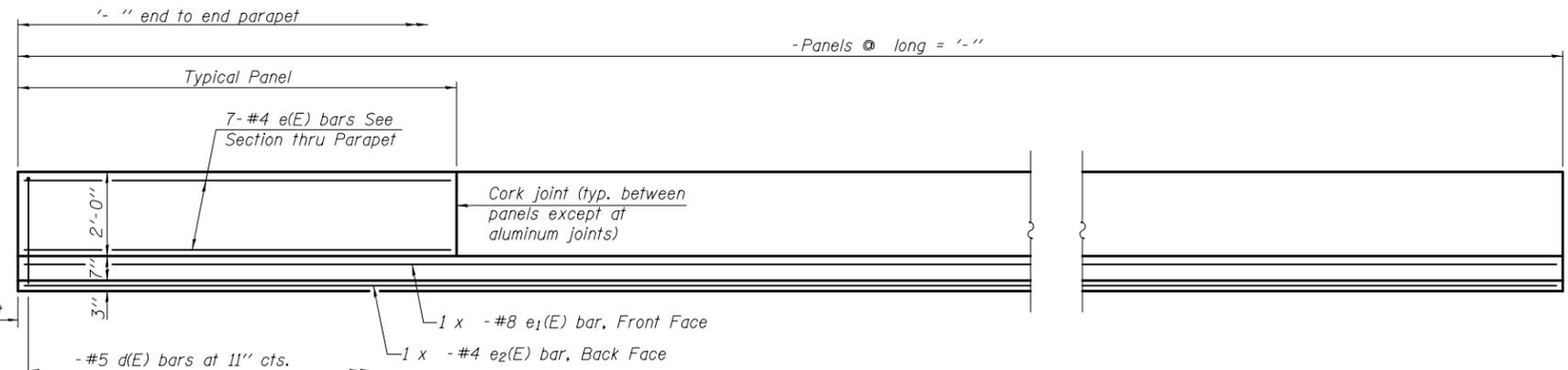


CELL / MODEL NAME	DESCRIPTION	DATE
SDI-BT6372-1	Superstructure Details; Integral; Bulb T-Beam 63-72 inch beam depth; Single span	10/7/2016
SDI-BT6372-2	Superstructure Details; Integral; Bulb T-Beam 63-72 inch beam depth; Multi-span	10/7/2016
SDI-I3642-1	Superstructure Details; Integral; I-Beam 36-42 inch beam depth; Single span	10/7/2016
SDI-I3642-2	Superstructure Details; Integral; I-Beam 36-42 inch beam depth; Multi-span	10/7/2016
SDI-I4854-1	Superstructure Details; Integral; I-Beam 48-54 inch beam depth; Single span	10/7/2016
SDI-I4854-2	Superstructure Details; Integral; I-Beam 48-54 inch beam depth; Multi-span	10/7/2016
SDI-IL27-1	Superstructure Details; Integral; IL 27 inch beam depth; Single span	10/7/2016
SDI-IL27-2	Superstructure Details; Integral; IL 27 inch beam depth; Multi-span	10/7/2016
SDI-IL36-1	Superstructure Details; Integral; IL 36 inch beam depth; Single span	10/7/2016
SDI-IL36-2	Superstructure Details; Integral; IL 36 inch beam depth; Multi-span	10/7/2016
SDI-IL36N-1	Superstructure Details; Integral; IL 36 inch beam depth narrow top; Single span	10/7/2016
SDI-IL36N-2	Superstructure Details; Integral; IL 36 inch beam depth narrow top; Multi-span	10/7/2016
SDI-IL4554-1	Superstructure Details; Integral; IL 45-54 inch beam depth; Single span	10/7/2016
SDI-IL4554-2	Superstructure Details; Integral; IL 45-54 inch beam depth; Multi-span	10/7/2016
SDI-IL4554N-1	Superstructure Details; Integral; IL 45-54 inch beam depth narrow top; Single span	10/7/2016
SDI-IL4554N-2	Superstructure Details; Integral; IL 45-54 inch beam depth narrow top; Multi-span	10/7/2016

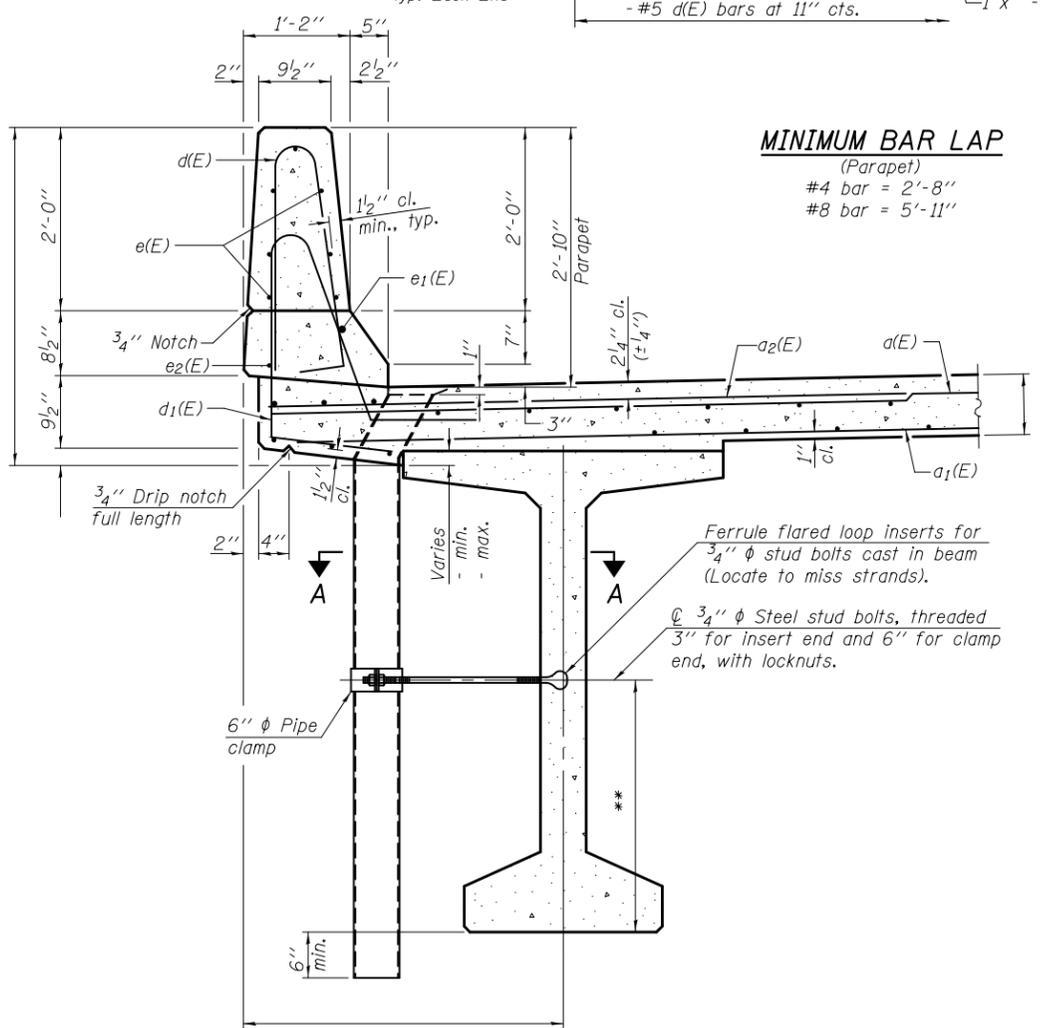
CELL / MODEL NAME	DESCRIPTION	DATE
SDI-IL6372-1	Superstructure Details; Integral; IL 63-72 inch beam depth; Single span	10/7/2016
SDI-IL6372-2	Superstructure Details; Integral; IL 63-72 inch beam depth; Multi-span	10/7/2016
SDI-IL6372N-1	Superstructure Details; Integral; IL 63-72 inch beam depth narrow top; Single span	10/7/2016
SDI-IL6372N-2	Superstructure Details; Integral; IL 63-72 inch beam depth narrow top; Multi-span	10/7/2016
SI-BT6372-1-0	Superstructure; Integral; I-Beam 63-72; Single span; No skew	10/7/2016
SI-BT6372-1-L-Greater than 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Single span; Left skew; Greater than 30 degrees	10/7/2016
SI-BT6372-1-L-Less than or equal to 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Single span; Left skew; Less than or equal to 30 degrees	10/7/2016
SI-BT6372-1-R-Greater than 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Single span; Right skew > 30 degrees	10/7/2016
SI-BT6372-1-R-Less than or equal to 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Single span; Right skew; Less than or equal to 30 degrees	10/7/2016
SI-BT6372-2-0	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; No skew	10/7/2016
SI-BT6372-2-L-Greater than 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; Left skew > 30 degrees	10/7/2016
SI-BT6372-2-L-Less than or equal to 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; Left skew; Less than or equal to 30 degrees	10/7/2016
SI-BT6372-2-R-Greater than 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; Right skew > 30 degrees	10/7/2016
SI-BT6372-2-R-Less than or equal to 30 degrees	Superstructure; Integral; Bulb T-Beam 63-72; Multi-span; Right skew; Less than or equal to 30 degrees	10/7/2016
SI-I3654-1-0	Superstructure; Integral; I-Beam 36-54; Single span; No skew	10/7/2016
SI-I3654-1-L-Greater than 30 degrees	Superstructure; Integral; I-Beam 36-54; Single span; Left skew > 30 degrees	10/7/2016

CELL / MODEL NAME	DESCRIPTION	DATE
SI-I3654-1-L-Less than or equal to 30 degrees	Superstructure; Integral; I-Beam 36-54; Single span; Left skew; Less than or equal to 30 degrees	10/7/2016
SI-I3654-1-R-Greater than 30 degrees	Superstructure; Integral; I-Beam 36-54; Single span; Right skew > 30 degrees	10/7/2016
SI-I3654-1-R-Less than or equal to 30 degrees	Superstructure; Integral; I-Beam 36-54; Single span; Right skew; Less than or equal to 30 degrees	10/7/2016
SI-I3654-2-0	Superstructure; Integral; I-Beam 36-54; Multi-span; No skew	10/7/2016
SI-I3654-2-L-Greater than 30 degrees	Superstructure; Integral; I-Beam 36-54; Multi-span; Left skew > 30 degrees	10/7/2016
SI-I3654-2-L-Less than or equal to 30 degrees	Superstructure; Integral; I-Beam 36-54; Multi-span; Left skew; Less than or equal to 30 degrees	10/7/2016
SI-I3654-2-R-Greater than 30 degrees	Superstructure; Integral; I-Beam 36-54; Multi-span; Right skew > 30 degrees	10/7/2016
SI-I3654-2-R-Less than or equal to 30 degrees	Superstructure; Integral; I-Beam 36-54; Multi-span; Right skew; Less than or equal to 30 degrees	10/7/2016
SI-IL2772N-1-0	Superstructure; Integral; IL 27-72 narrow top; Single span; No skew	10/7/2016
SI-IL2772N-1-L-Greater than 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Single span; Left skew > 30 degrees	10/7/2016
SI-IL2772N-1-L-Less than or equal to 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Single span; Left skew; Less than or equal to 30 degrees	10/7/2016
SI-IL2772N-1-R-Greater than 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Single span; Right skew > 30 degrees	10/7/2016
SI-IL2772N-1-R-Less than or equal to 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Single span; Right skew; Less than or equal to 30 degrees	10/7/2016
SI-IL2772N-2-0	Superstructure; Integral; IL 27-72 narrow top; Multi-span; No skew	10/7/2016
SI-IL2772N-2-L-Greater than 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Multi-span; Left skew > 30 degrees	10/7/2016
SI-IL2772N-2-L-Less than or equal to 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Multi-span; Left skew; Less than or equal to 30 degrees	10/7/2016

CELL / MODEL NAME	DESCRIPTION	DATE
SI-IL2772N-2-R-Greater than 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Multi-span; Right skew > 30 degrees	10/7/2016
SI-IL2772N-2-R-Less than or equal to 30 degrees	Superstructure; Integral; IL 27-72 narrow top; Multi-span; Right skew; Less than or equal to 30 degrees	10/7/2016
SI-IL3672-1-0	Superstructure; Integral; IL 36-72; Single span; No skew	10/7/2016
SI-IL3672-1-L-Greater than 30 degrees	Superstructure; Integral; IL 36-72; Single span; Left skew > 30 degrees	10/7/2016
SI-IL3672-1-L-Less than or equal to 30 degrees	Superstructure; Integral; IL 36-72; Single span; Left skew; Less than or equal to 30 degrees	10/7/2016
SI-IL3672-1-R-Greater than 30 degrees	Superstructure; Integral; IL 36-72; Single span; Right skew > 30 degrees	10/7/2016
SI-IL3672-1-R-Less than or equal to 30 degrees	Superstructure; Integral; IL 36-72; Single span; Right skew; Less than or equal to 30 degrees	10/7/2016
SI-IL3672-2-0	Superstructure; Integral; IL 36-72; Multi-span; No skew	10/7/2016
SI-IL3672-2-L-Greater than 30 degrees	Superstructure; Integral; IL 36-72; Multi-span; Left skew > 30 degrees	10/7/2016
SI-IL3672-2-L-Less than or equal to 30 degrees	Superstructure; Integral; IL 36-72; Multi-span; Left skew; Less than or equal to 30 degrees	10/7/2016
SI-IL3672-2-R-Greater than 30 degrees	Superstructure; Integral; IL 36-72; Multi-span; Right skew > 30 degrees	10/7/2016
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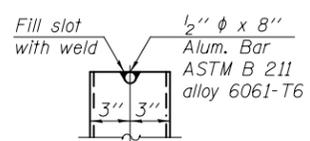


INSIDE ELEVATION OF PARAPET

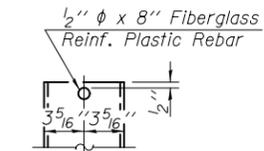


SECTION THRU PARAPET

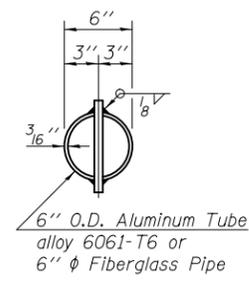
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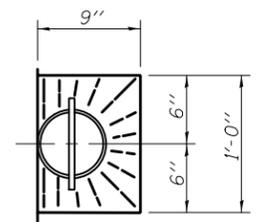
ALUMINUM TUBE



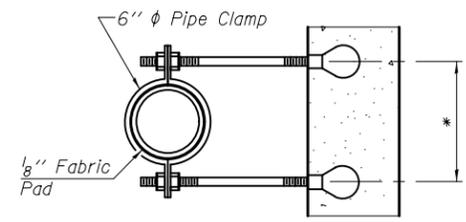
FIBERGLASS PIPE



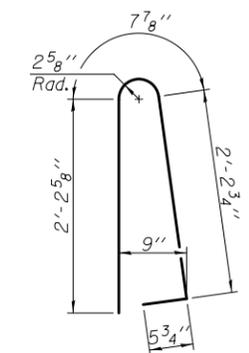
TOP PLAN (Showing Aluminum Tube)



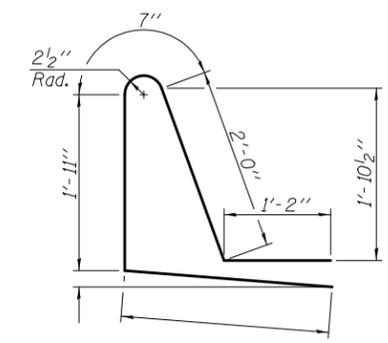
TOP PLAN



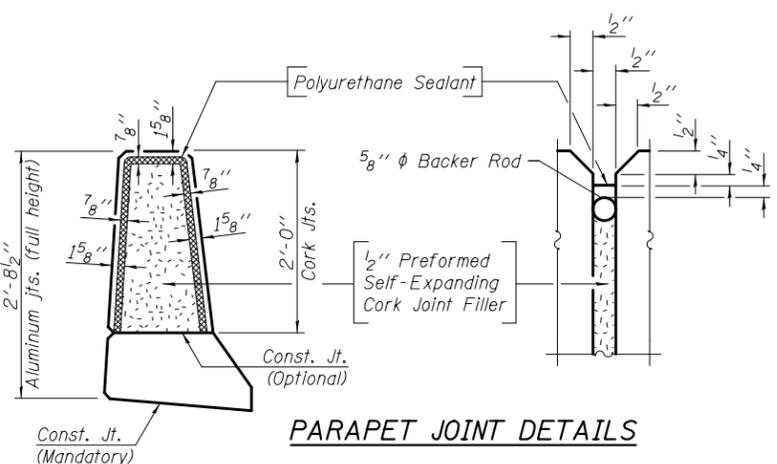
SECTION A-A



BAR d(E)

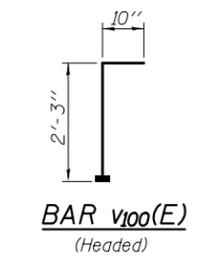


BAR d1(E)

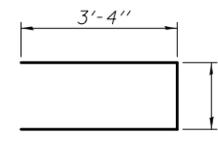


PARAPET JOINT DETAILS

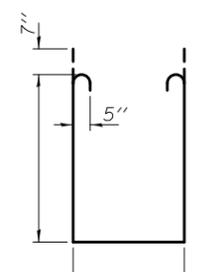
Notes:
 Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
 The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
 The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
 The clamping device and inserts shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
 The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
 The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
 The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



BAR v100(E) (Headed)



BAR s10(E)



BAR s11(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
d(E)		#5	5'-7"	U
d1(E)		#5		U
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
s10(E)		#5		U
s11(E)		#5		U
v100(E)		#5	3'-1"	L
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

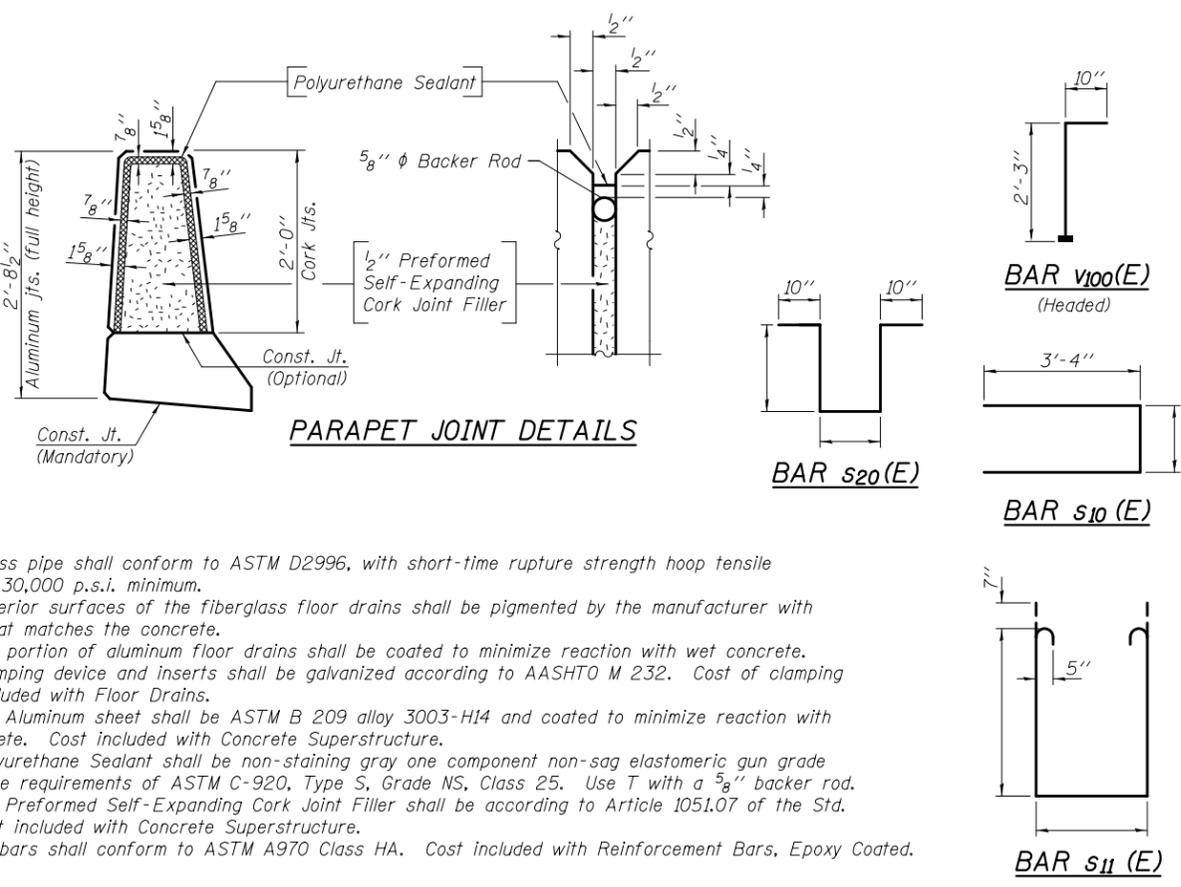
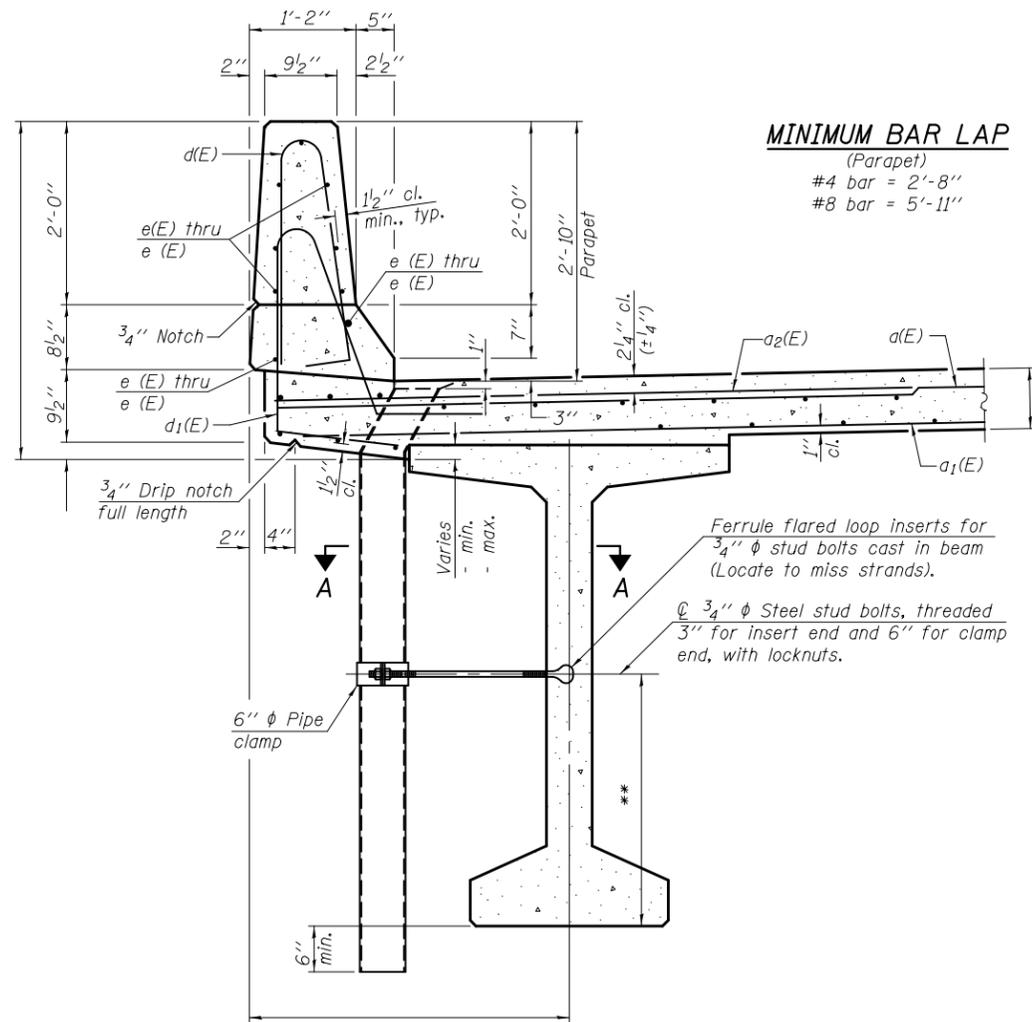
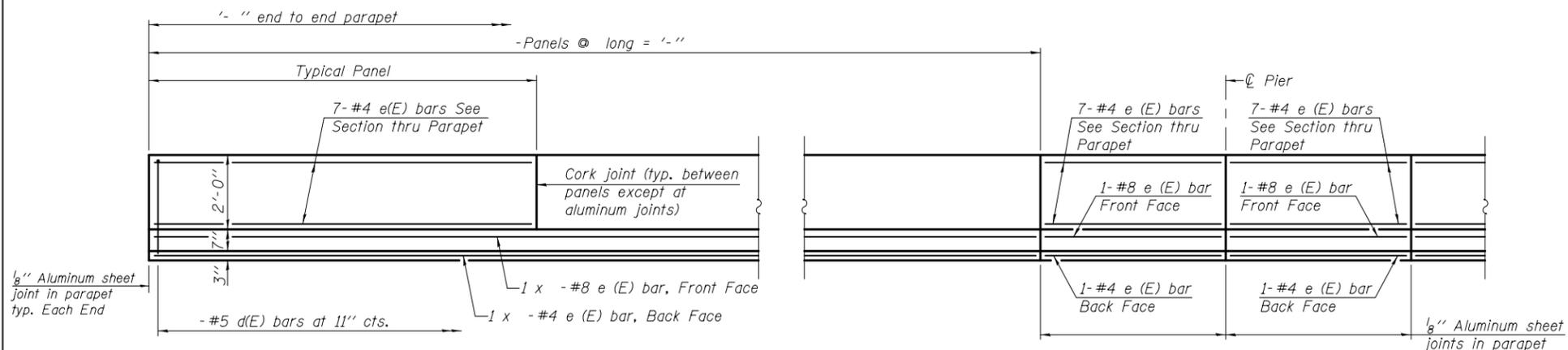
SDI-BT6372-1 10-7-2016

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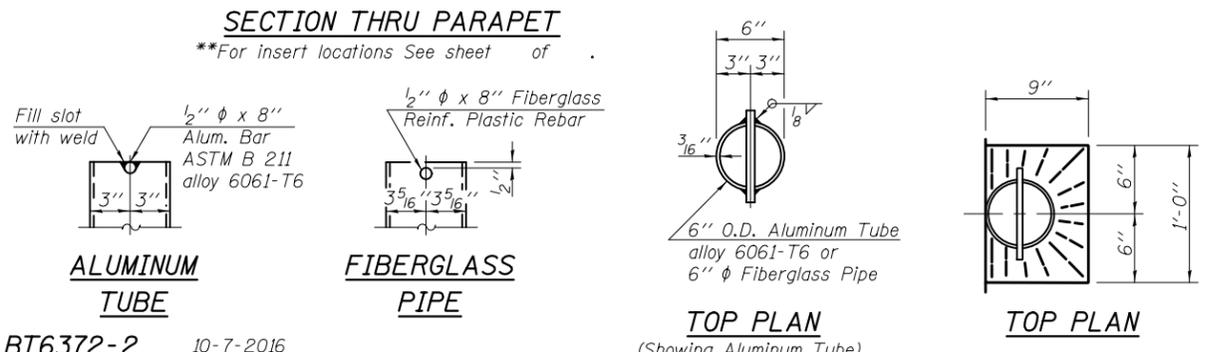
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



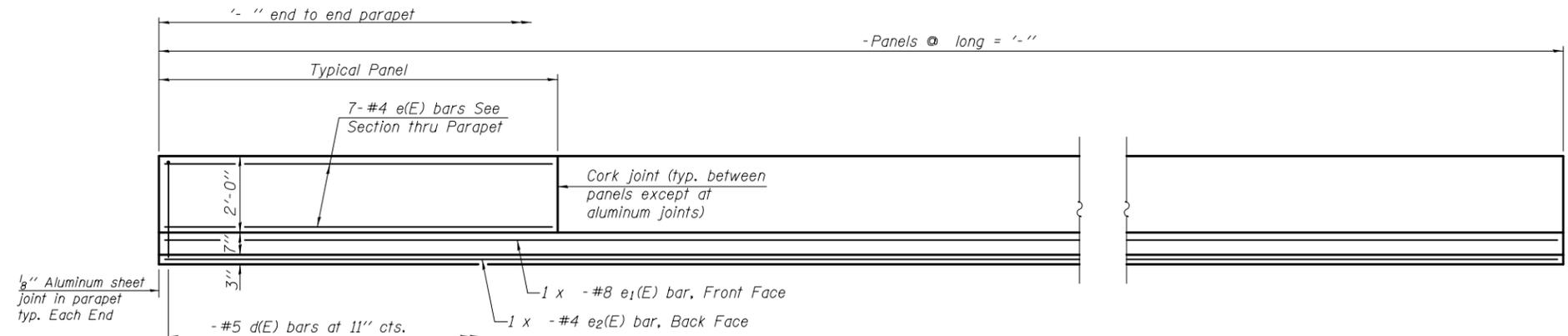
Notes:
 Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
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 The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



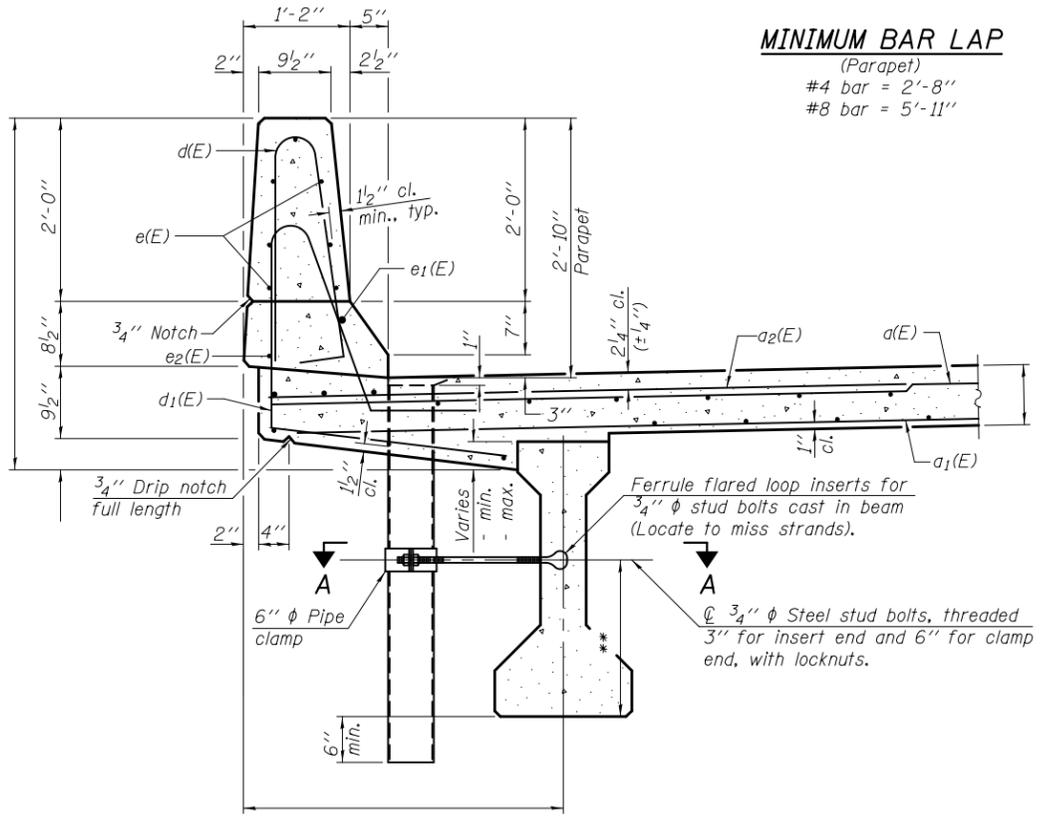
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)		#5		
b(E)		#5		
b1(E)		#5		
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m10(E)		#6		
m11(E)		#6		
m12(E)		#6		
m13(E)		#6		
m14(E)		#6		
m15(E)		#5	4'-0"	
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s10(E)		#5		
s11(E)		#5		
s20(E)		#5		
v100(E)		#5	3'-1"	
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



INSIDE ELEVATION OF PARAPET

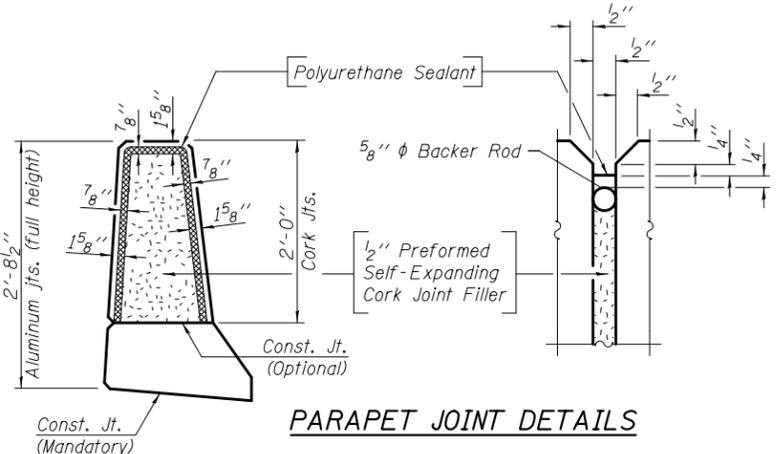


SECTION THRU PARAPET

**For insert locations See sheet of

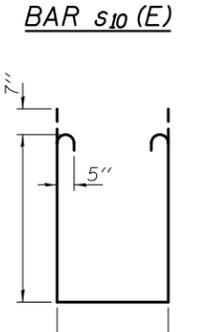
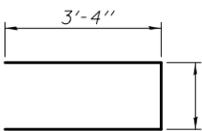
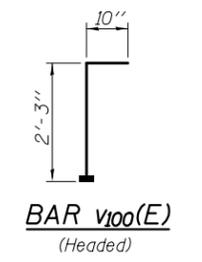
MINIMUM BAR LAP

(Parapet)
 #4 bar = 2'-8"
 #8 bar = 5'-11"



PARAPET JOINT DETAILS

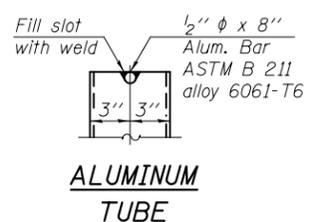
Notes:
 Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
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 The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
 The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



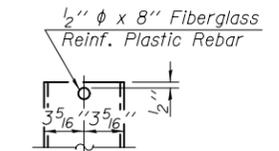
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
d(E)		#5	5'-7"	⌋
d1(E)		#5		⌋
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
s10(E)		#5		⌋
s11(E)		#5		⌋
v100(E)		#5	3'-1"	⌋
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

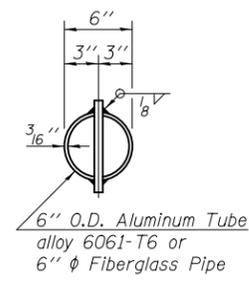
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



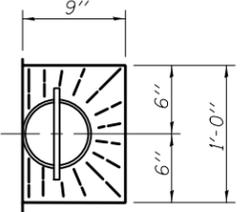
ALUMINUM TUBE



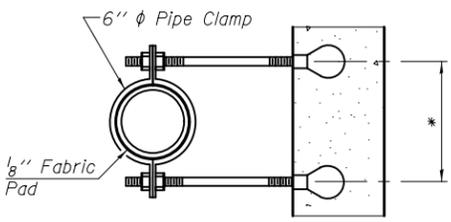
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

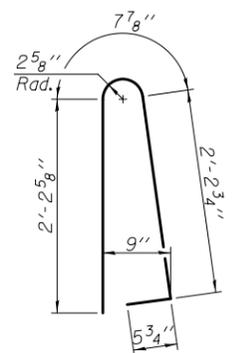


TOP PLAN

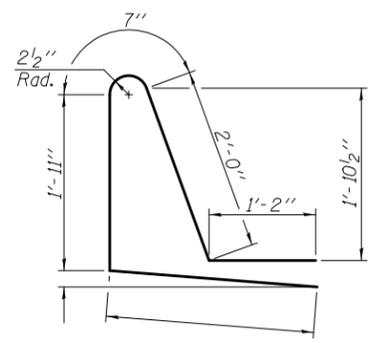


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-13642-1

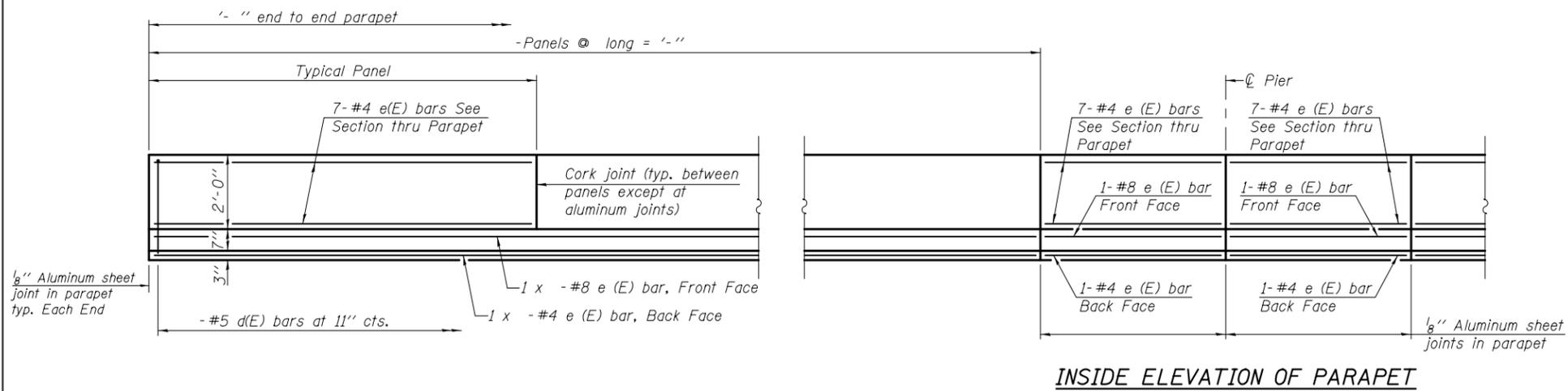
10-7-2016

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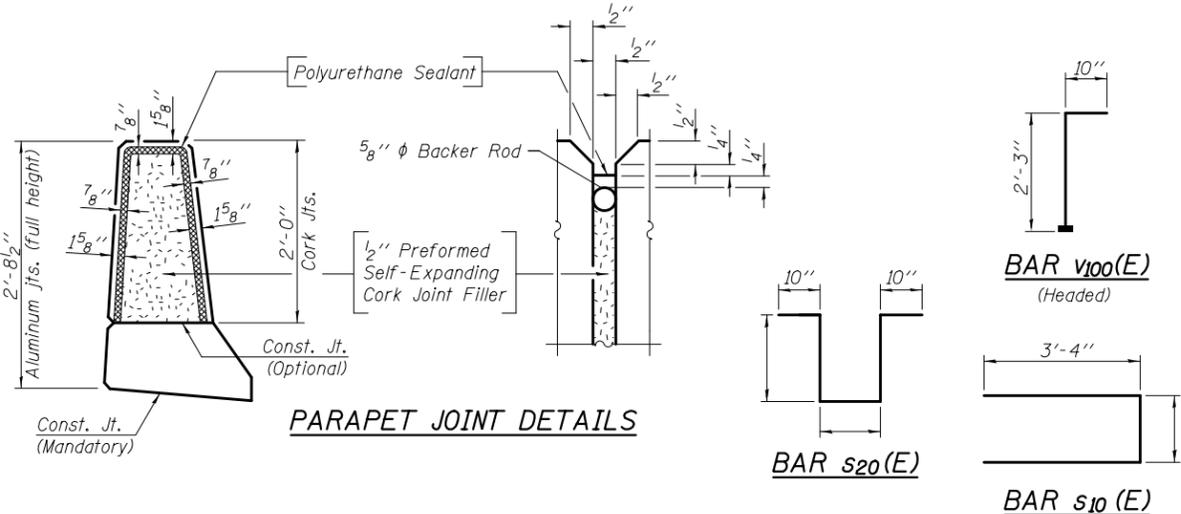
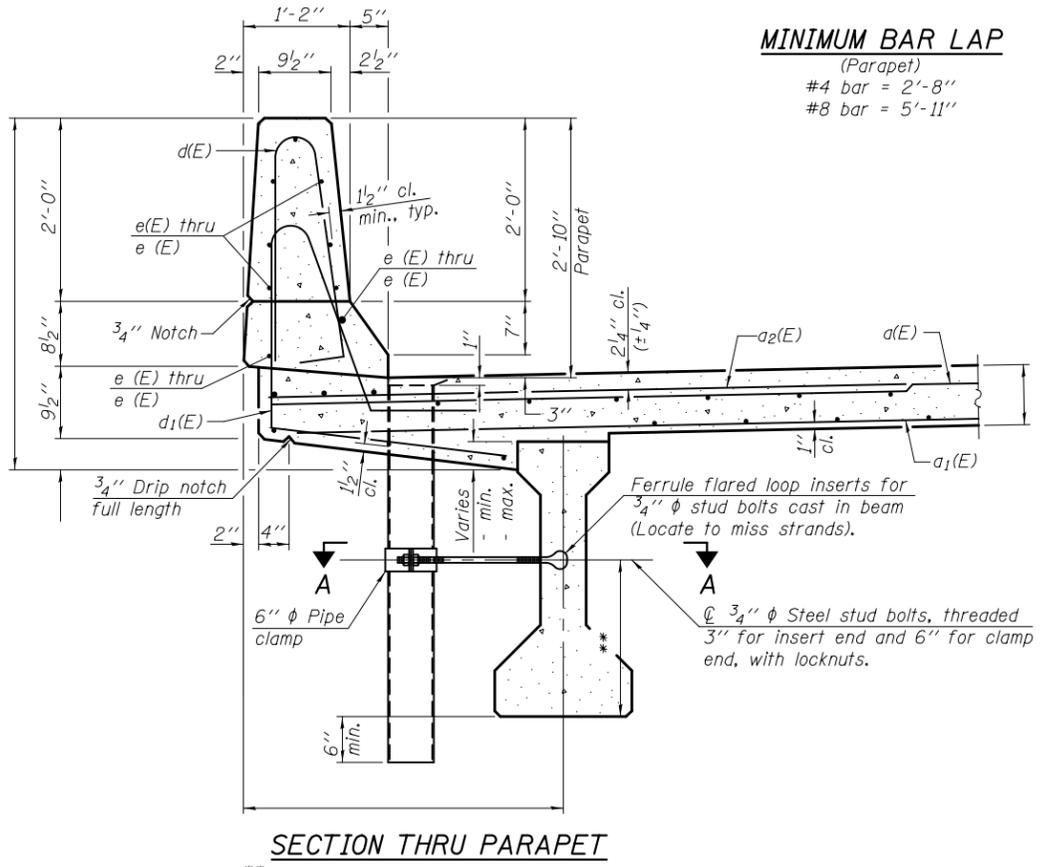
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

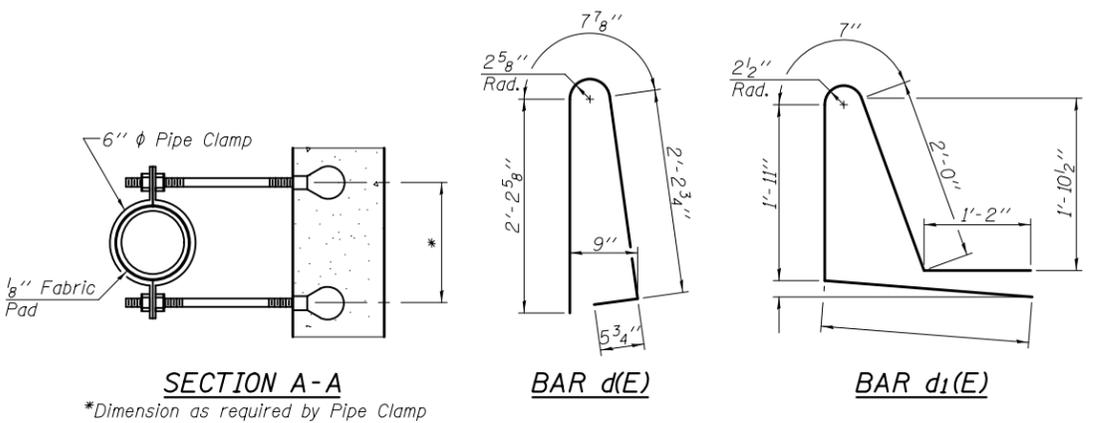
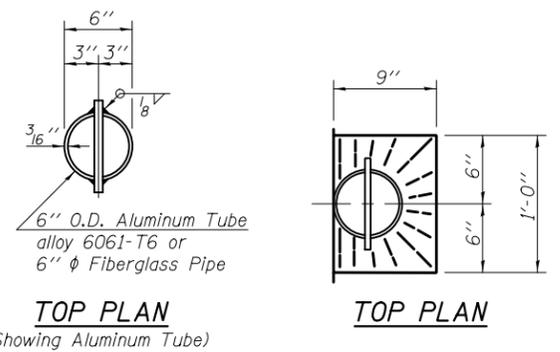
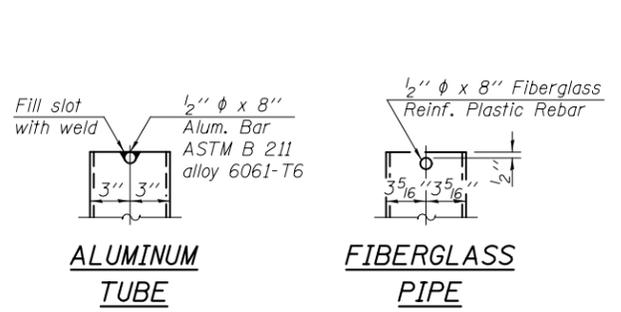
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"



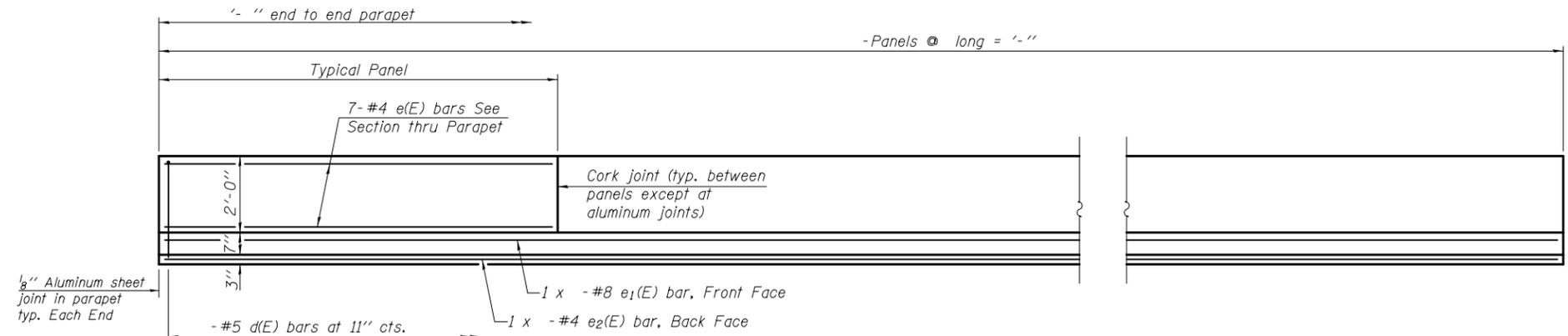
Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
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The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



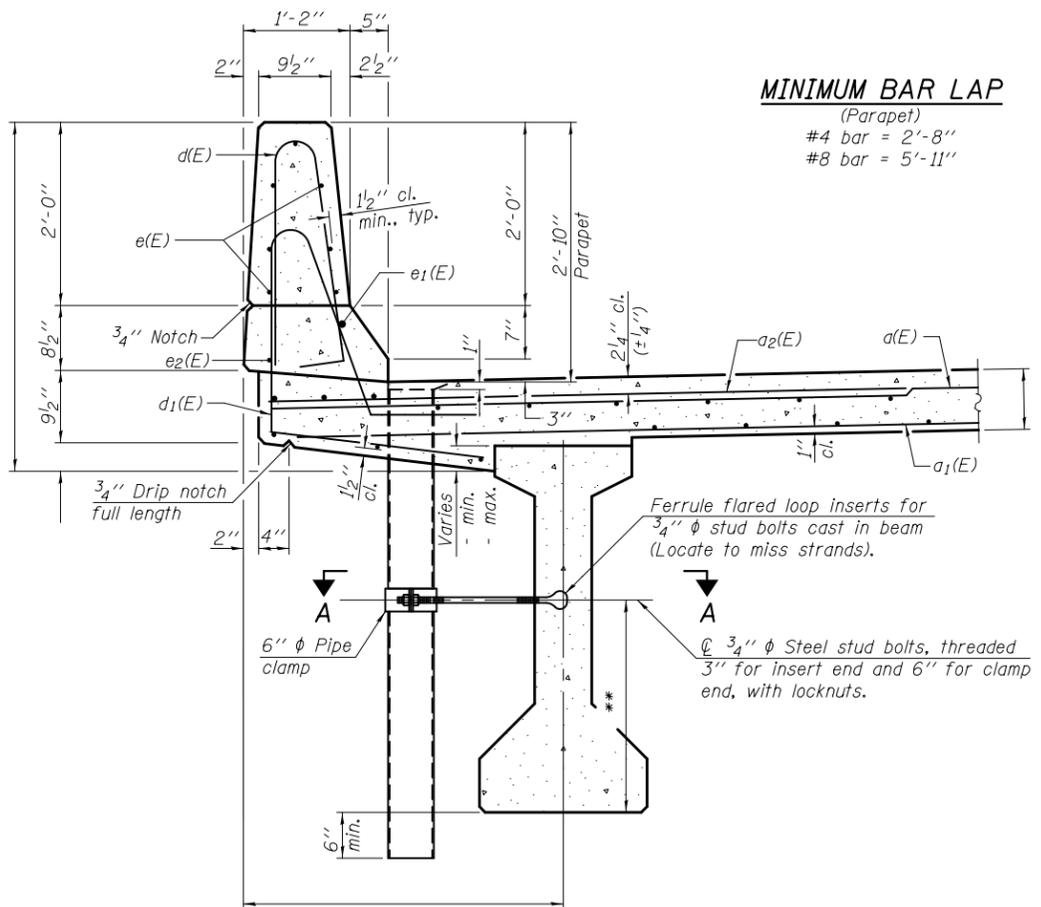
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
b2(E)		#5		—
d(E)		#5	5'-7"	┌
d1(E)		#5		└
e(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s10(E)		#5		┌
s11(E)		#5		└
s20(E)		#5		└
v100(E)		#5	3'-1"	└
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

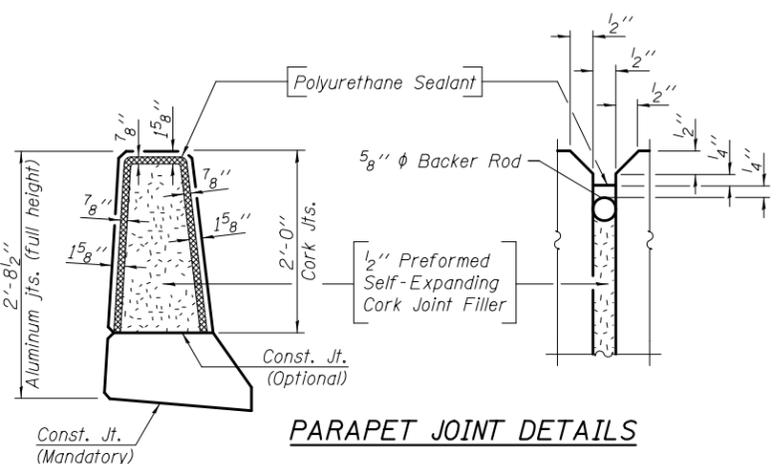


INSIDE ELEVATION OF PARAPET



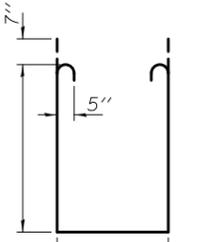
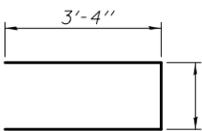
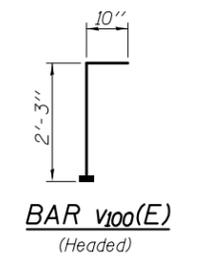
SECTION THRU PARAPET
**For insert locations See sheet of

MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"



PARAPET JOINT DETAILS

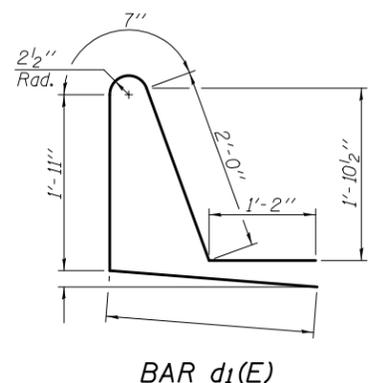
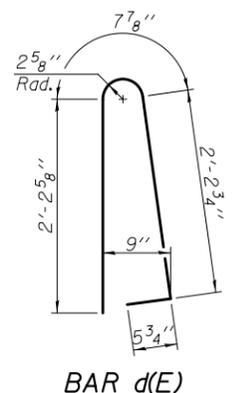
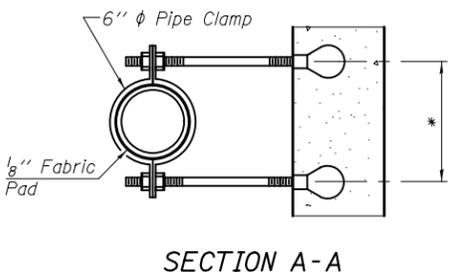
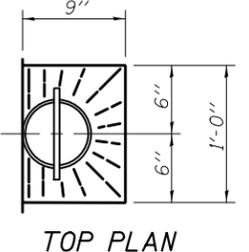
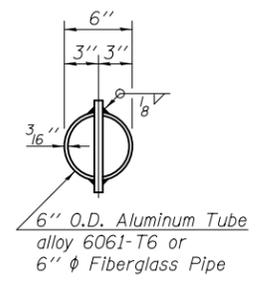
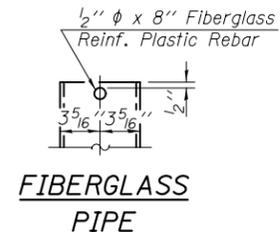
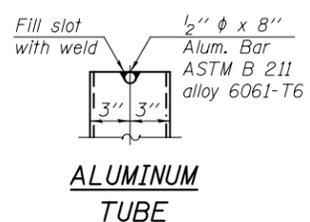
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SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
d(E)		#5	5'-7"	⌋
d1(E)		#5		⌋
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
s10(E)		#5		⌋
s11(E)		#5		⌋
v100(E)		#5	3'-1"	⌋
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



SDI-I4854-1

10-7-2016

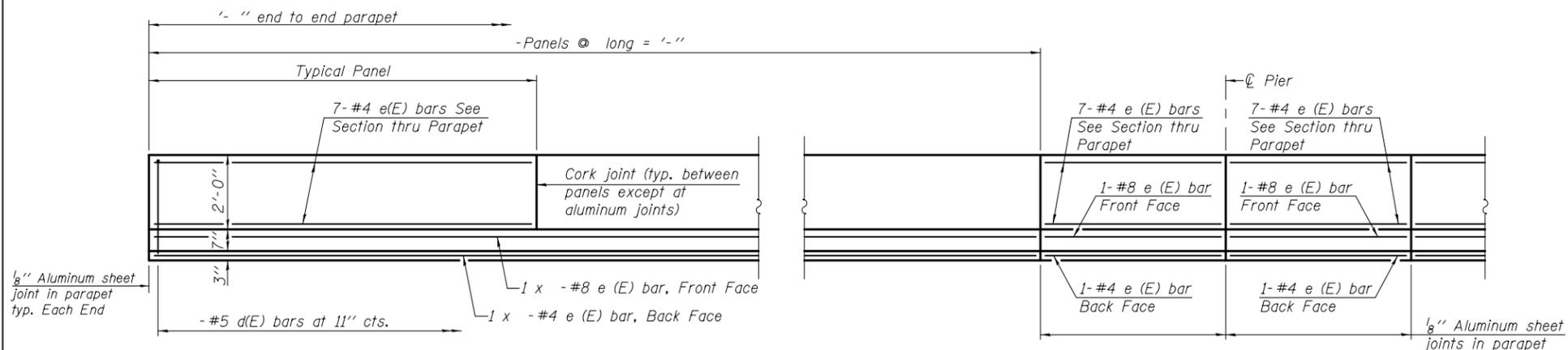
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

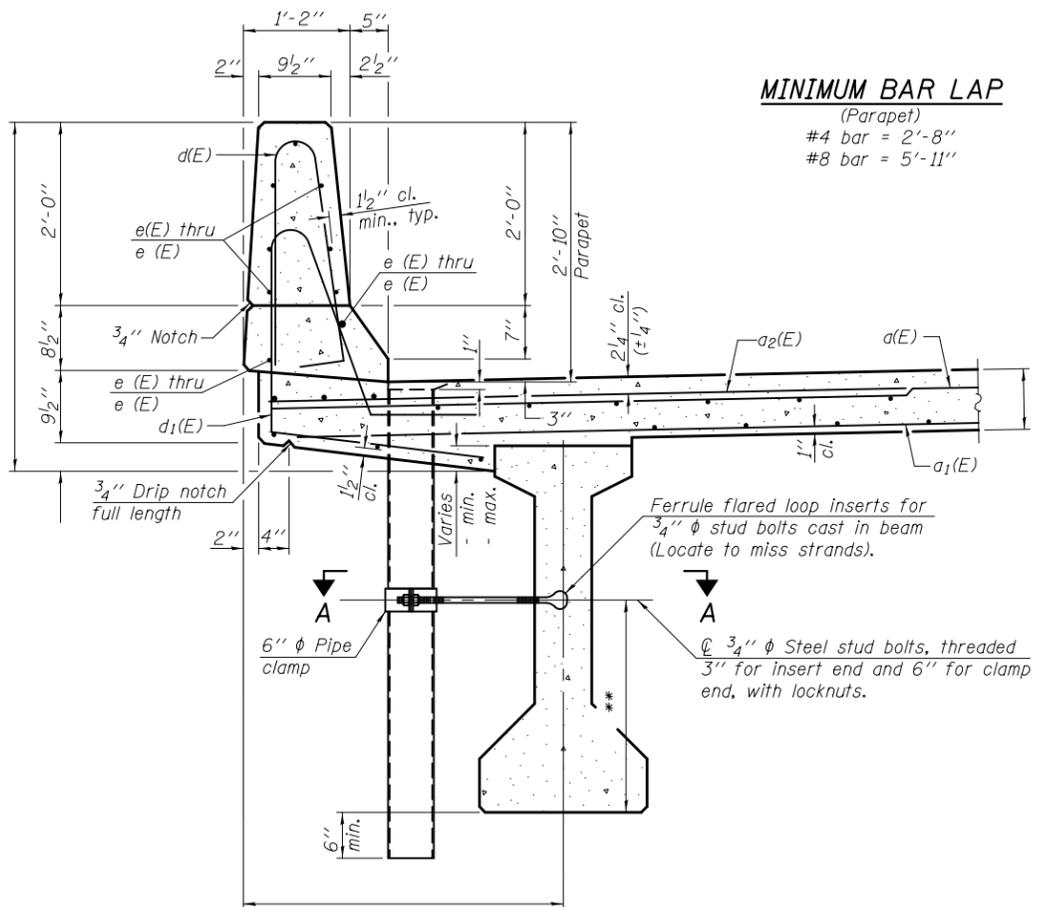
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

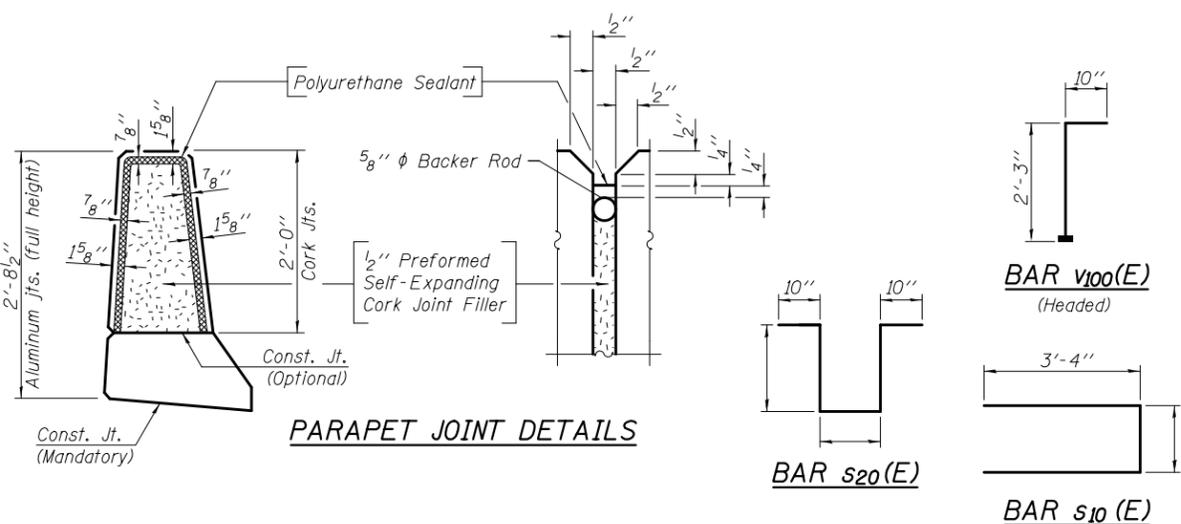
ILLINOIS FED. AID PROJECT



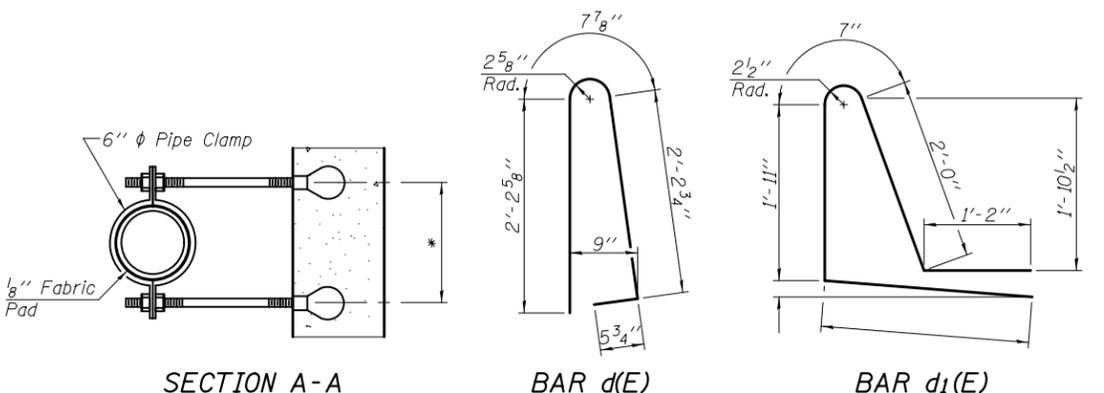
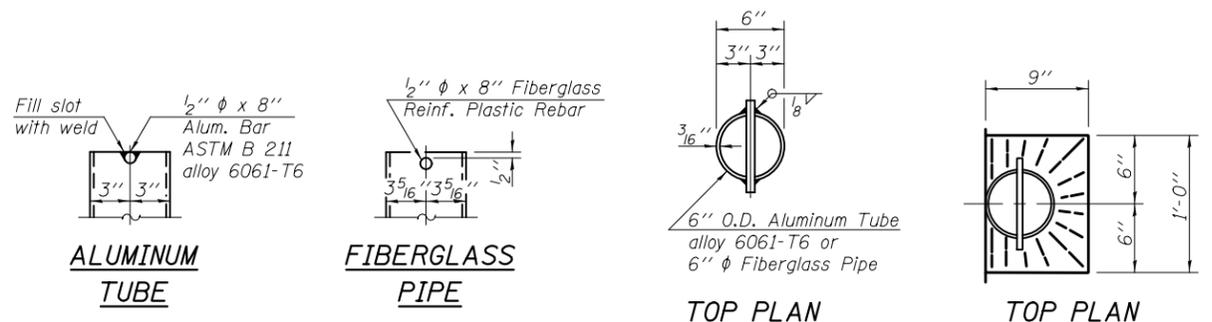
INSIDE ELEVATION OF PARAPET



SECTION THRU PARAPET
 **For insert locations See sheet of



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SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)		#5		
b(E)		#5		
b1(E)		#5		
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m10(E)		#6		
m11(E)		#6		
m12(E)		#6		
m13(E)		#6		
m14(E)		#6		
m15(E)		#5	4'-0"	
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s10(E)		#5		
s11(E)		#5		
s20(E)		#5		
v100(E)		#5	3'-1"	
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

SDI-I4854-2

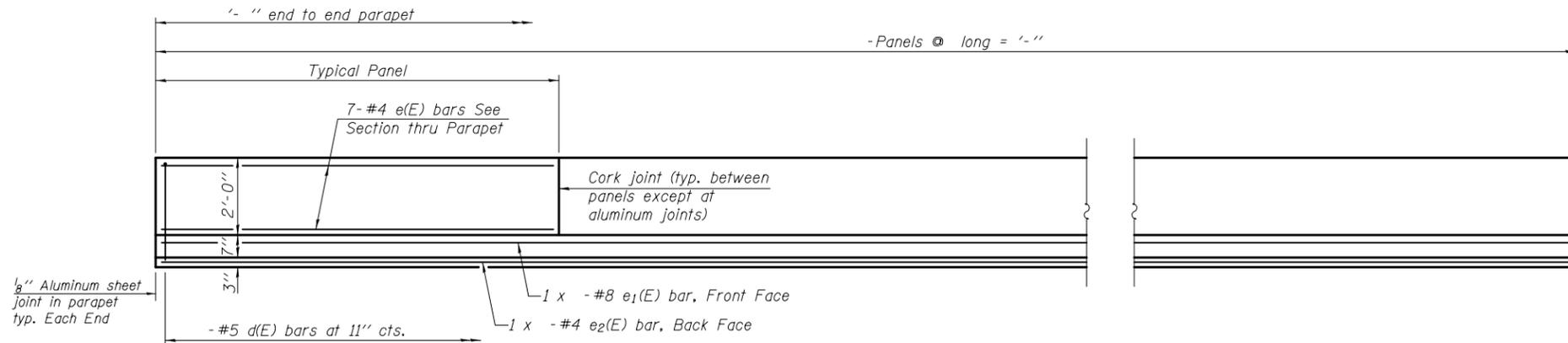
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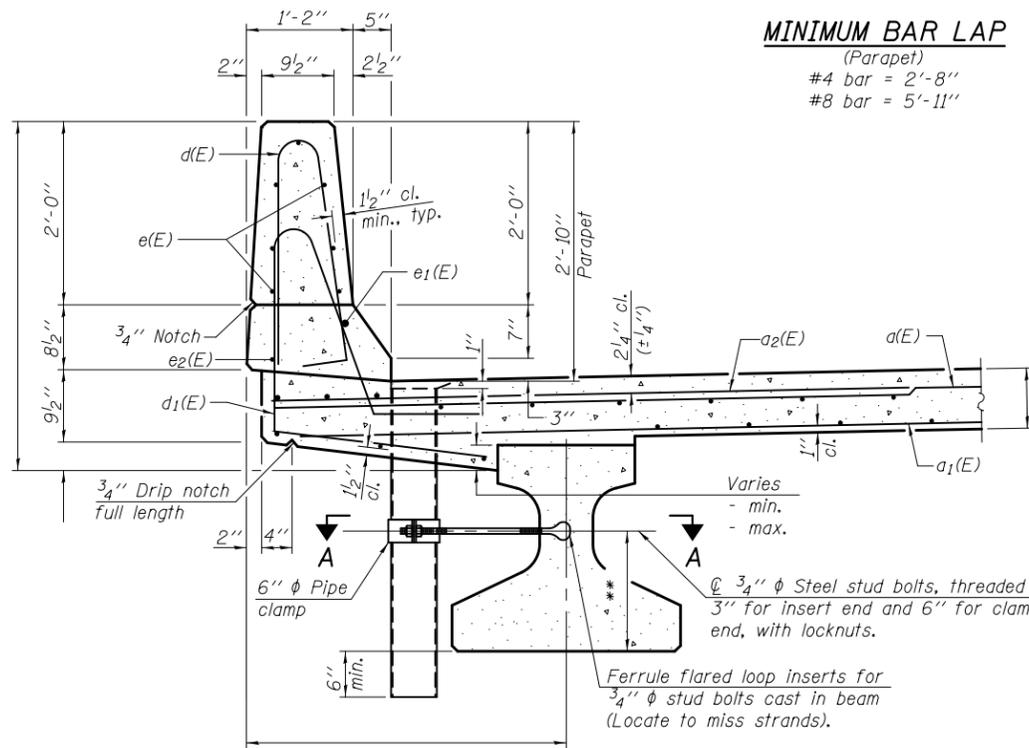
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET

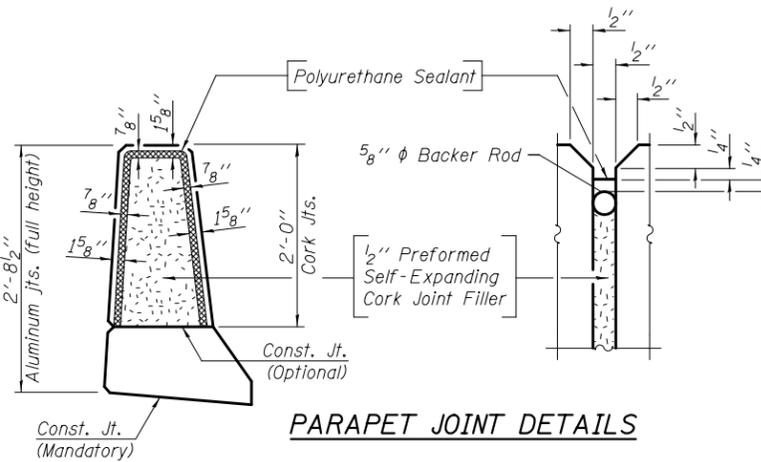


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

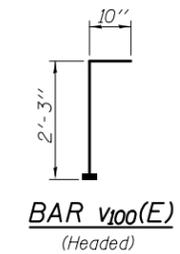
(Parapet)
 #4 bar = 2'-8"
 #8 bar = 5'-11"



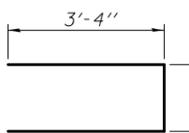
PARAPET JOINT DETAILS

Notes:

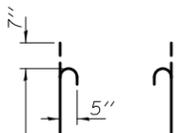
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
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 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



BAR v100(E)
(Headed)



BAR s10(E)

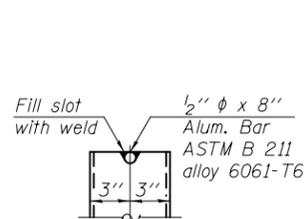


BAR s11(E)

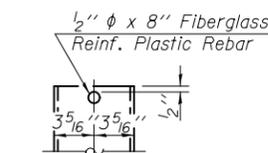
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	#5			
a1(E)	#5			
a2(E)	#6	6'-6"		
a3(E)	#5			
b(E)	#5			
b1(E)	#5			
d(E)	#5	5'-7"		
d1(E)	#5			
e(E)	#4			
e1(E)	#8			
e2(E)	#4			
m10(E)	#6			
m11(E)	#6			
m12(E)	#6			
m13(E)	#6			
m14(E)	#6			
m15(E)	#5	4'-0"		
s10(E)	#5			
s11(E)	#5			
v100(E)	#5	3'-1"		
Reinforcement Bars, Epoxy Coated		Lbs.		
Concrete Superstructure		Cu. Yds.		

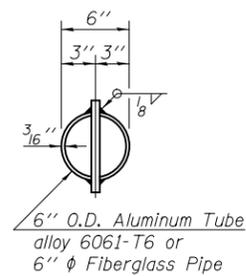
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



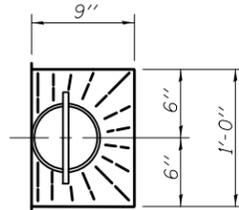
ALUMINUM TUBE



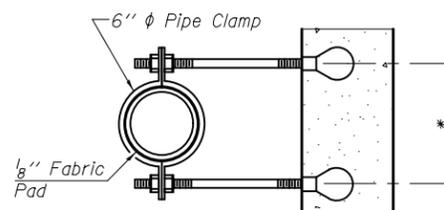
FIBERGLASS PIPE



TOP PLAN
(Showing Aluminum Tube)

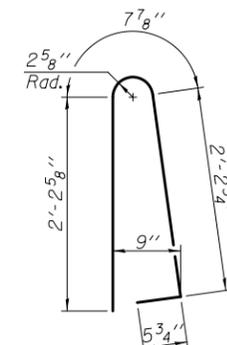


TOP PLAN

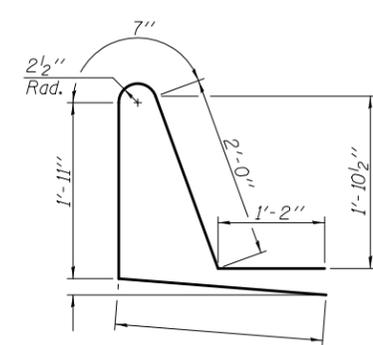


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-IL27-1

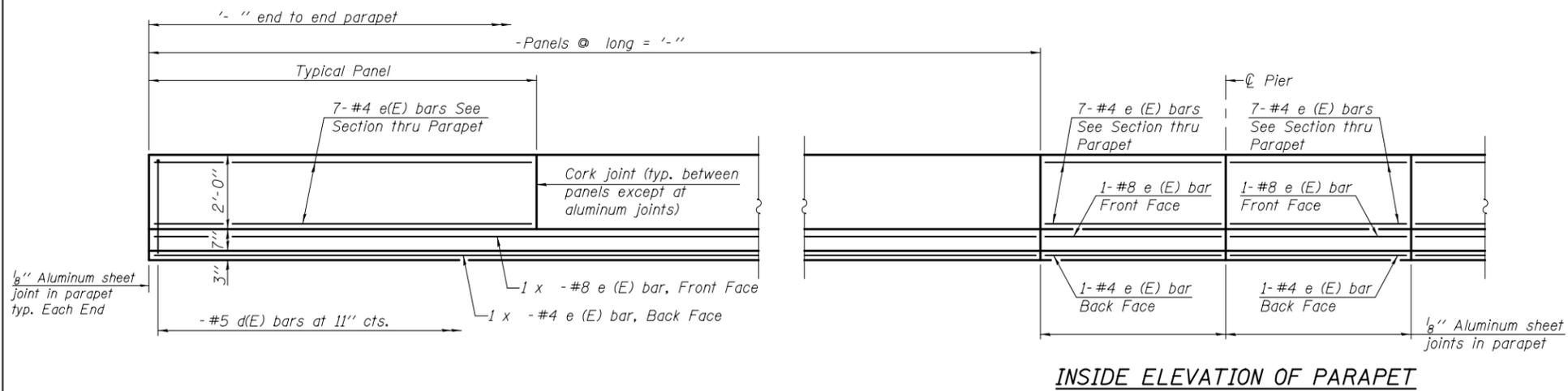
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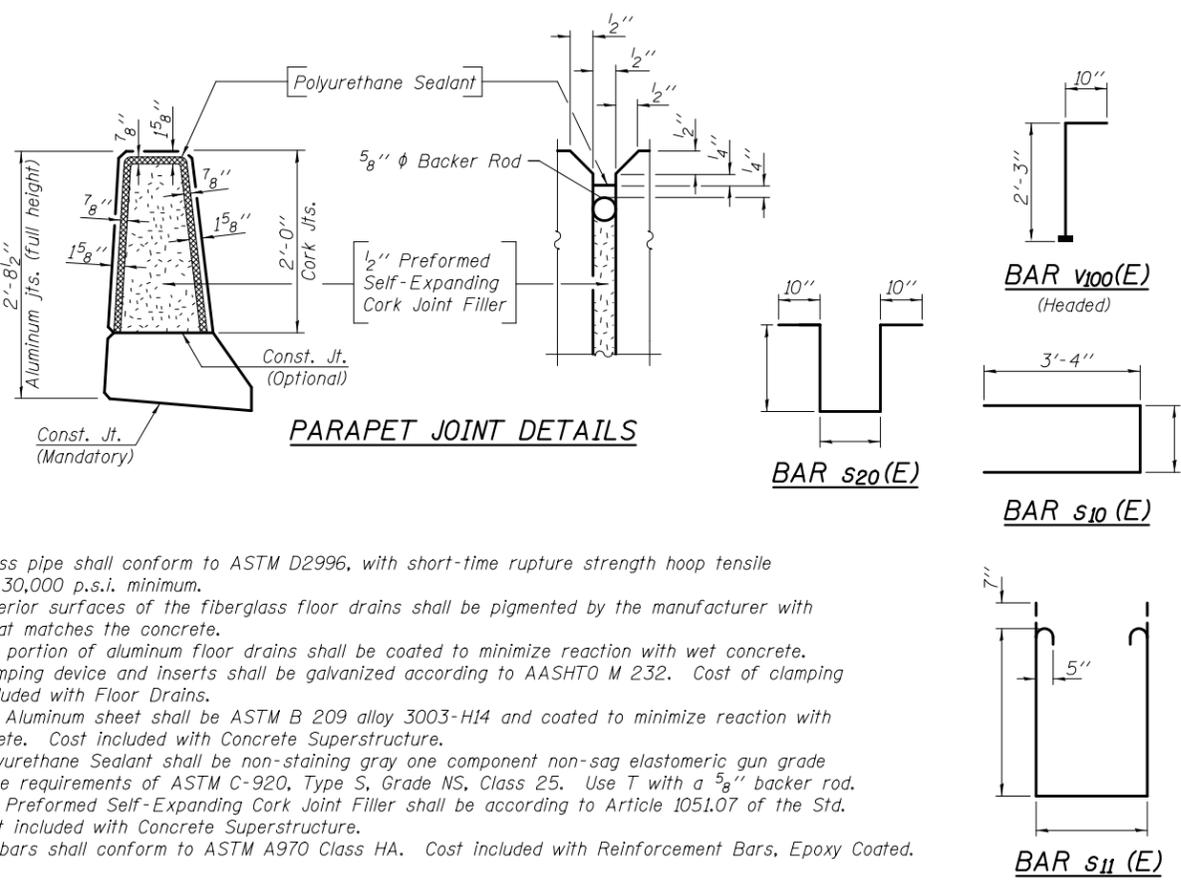
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

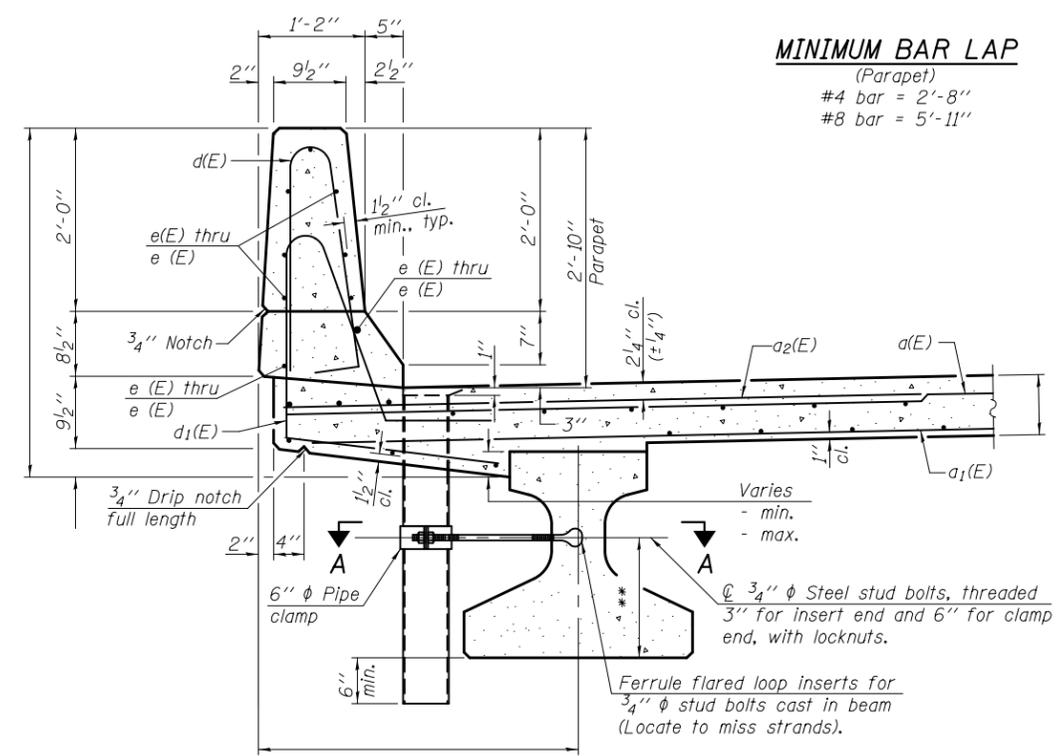
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



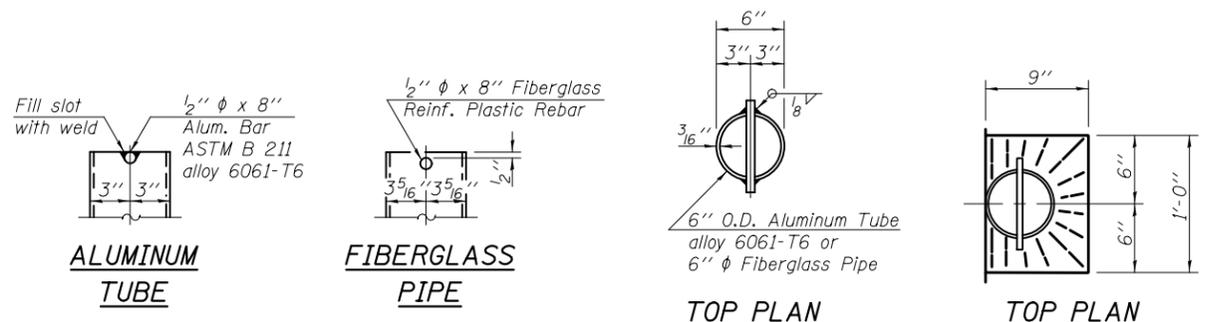
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"



Notes:
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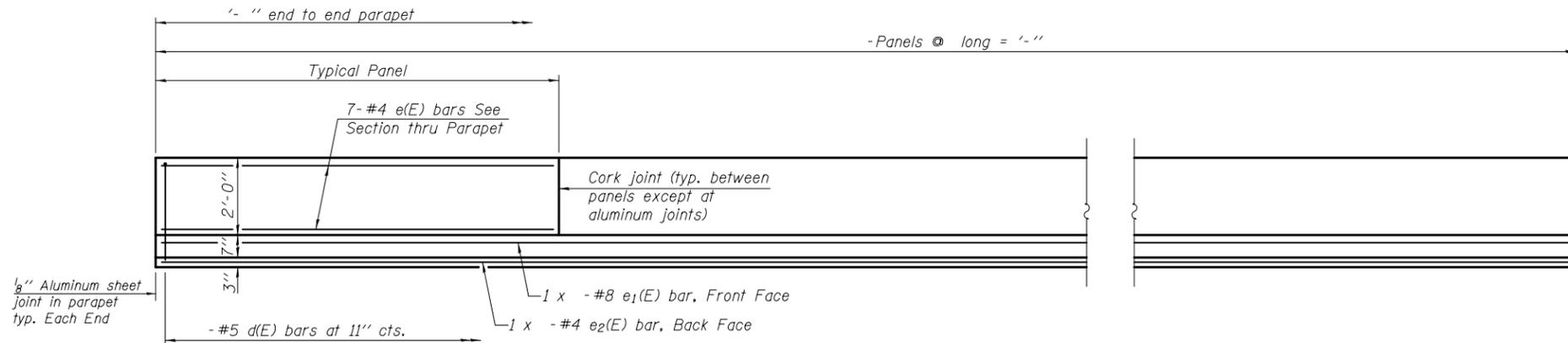
SECTION THRU PARAPET
**For insert locations See sheet of



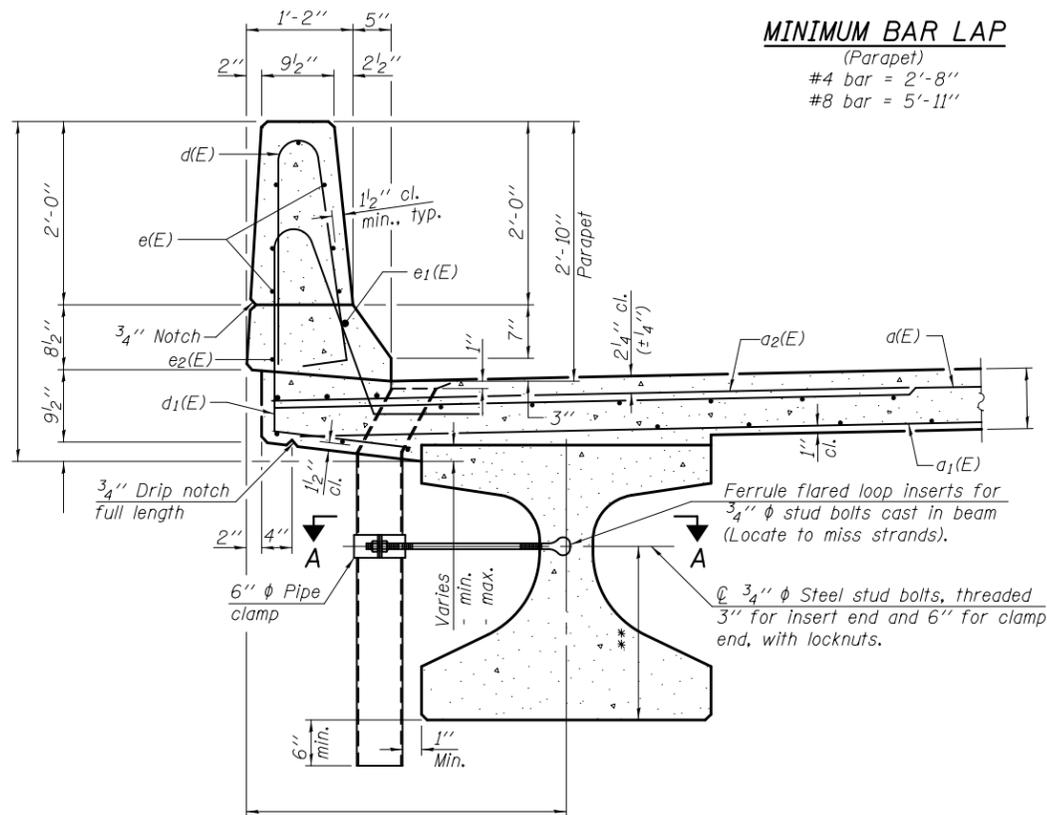
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
b2(E)		#5		—
d(E)		#5	5'-7"	┌
d1(E)		#5		└
e(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s10(E)		#5		┌
s11(E)		#5		└
s20(E)		#5		└
v100(E)		#5	3'-1"	└
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



INSIDE ELEVATION OF PARAPET

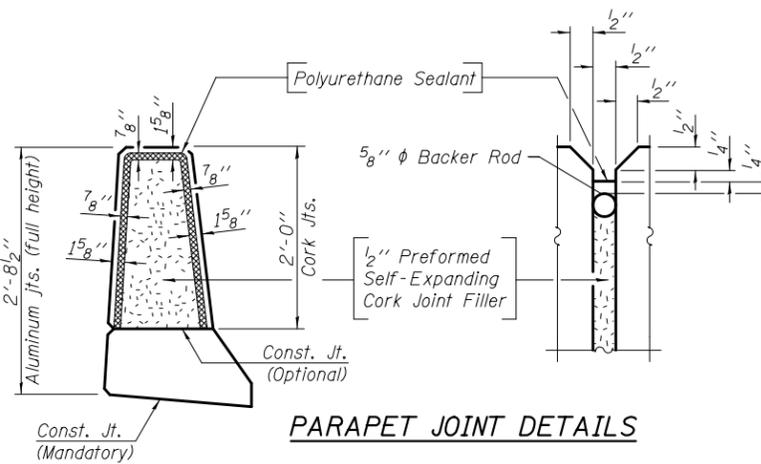


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

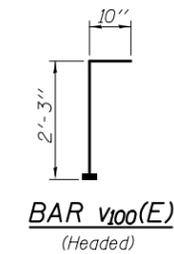
(Parapet)
 #4 bar = 2'-8"
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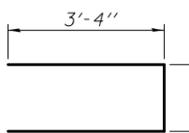
PARAPET JOINT DETAILS

Notes:

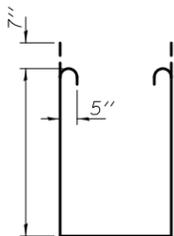
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BAR v100(E)
(Headed)



BAR s10(E)

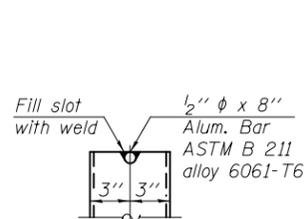


BAR s11(E)

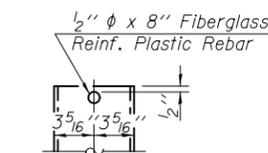
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
d(E)		#5	5'-7"	⌒
d1(E)		#5		⌒
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
s10(E)		#5		⌒
s11(E)		#5		⌒
v100(E)		#5	3'-1"	⌒
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

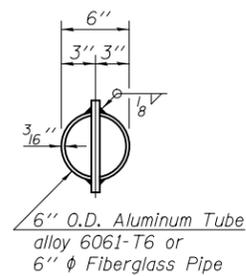
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



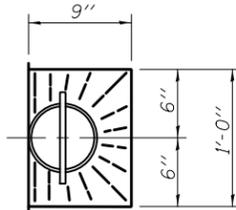
ALUMINUM TUBE



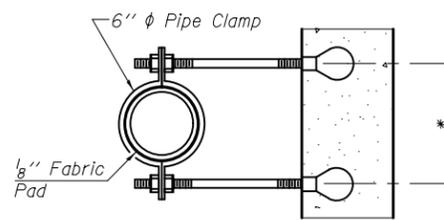
FIBERGLASS PIPE



TOP PLAN
(Showing Aluminum Tube)

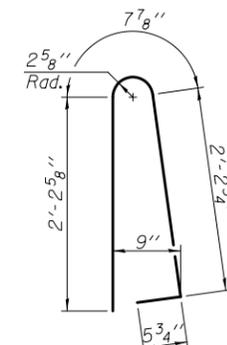


TOP PLAN

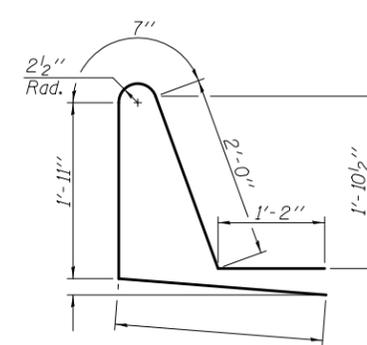


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-IL36-1

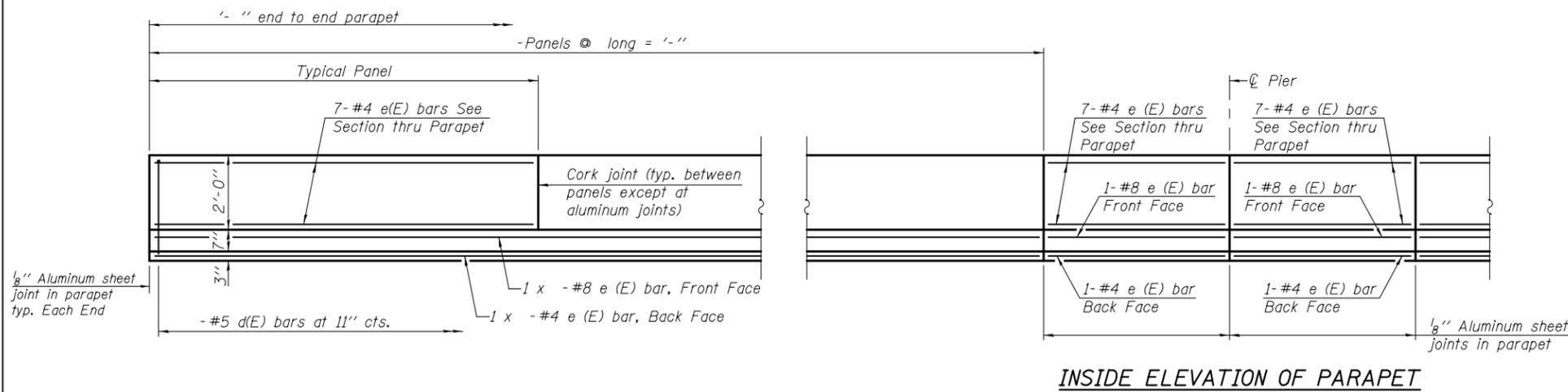
10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REvised -
		CHECKED -	REvised -
		DRAWN -	REvised -
		CHECKED -	REvised -

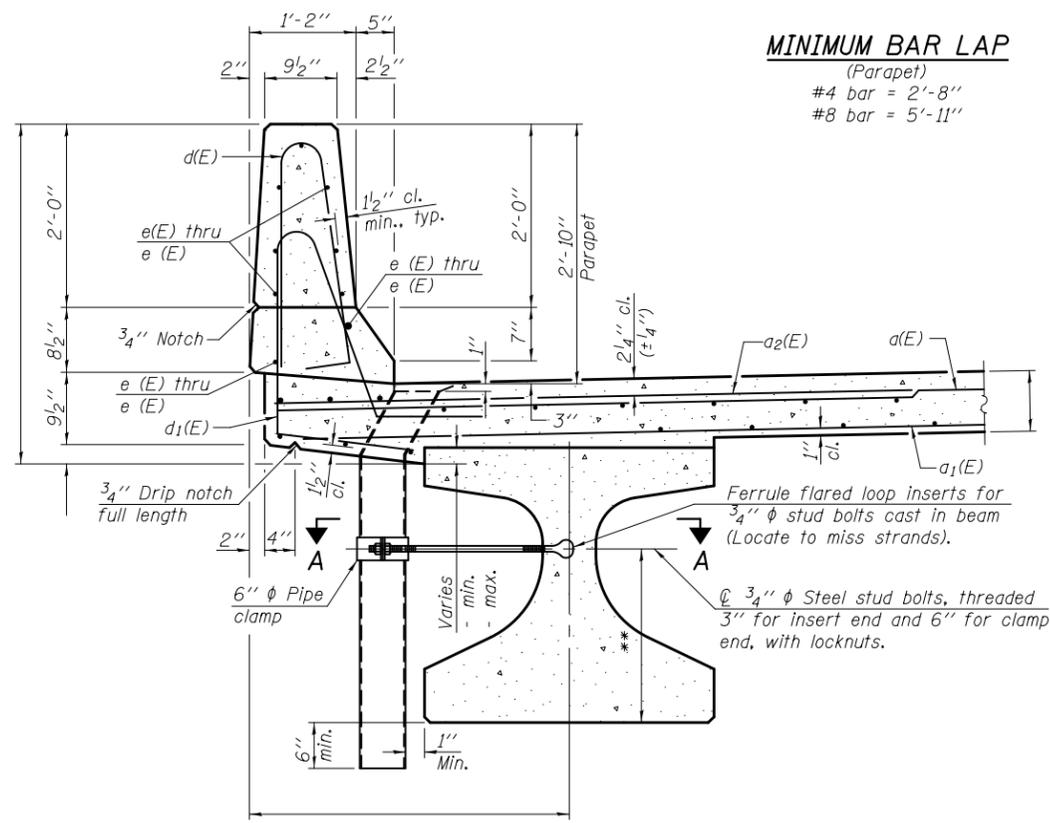
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET

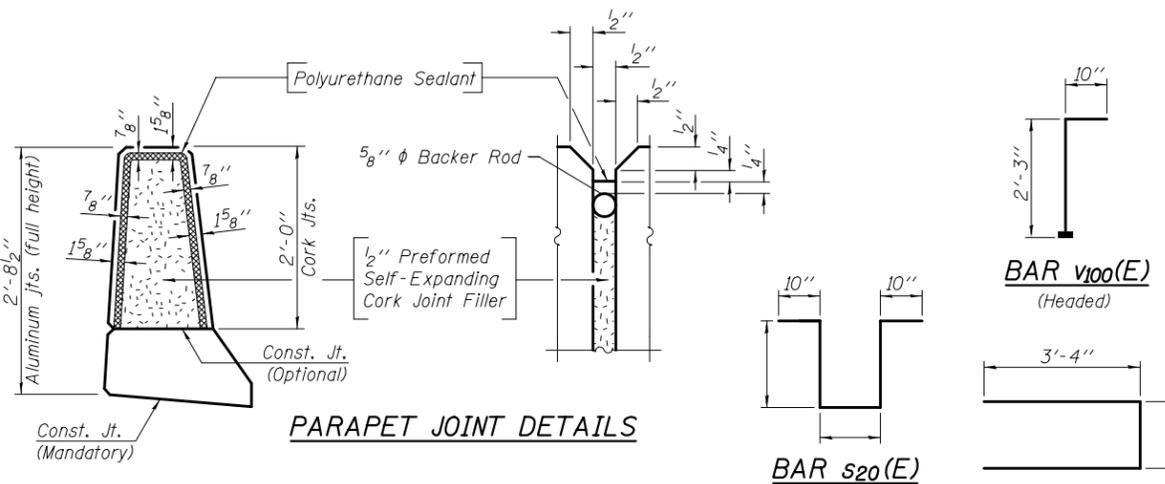


SECTION THRU PARAPET

**For insert locations See sheet of

MINIMUM BAR LAP

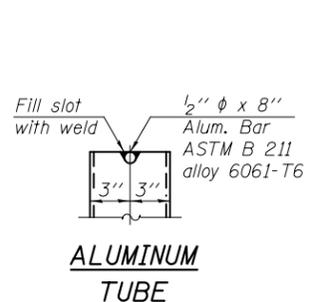
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"



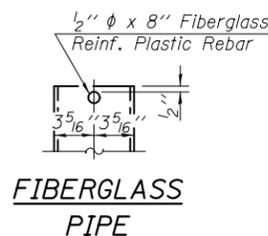
PARAPET JOINT DETAILS

Notes:

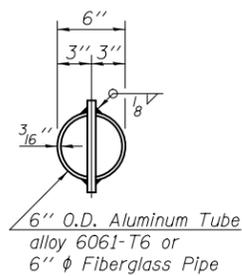
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
The clamping device and inserts shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



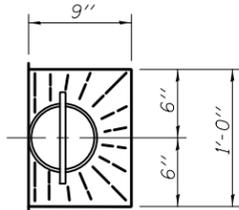
ALUMINUM TUBE



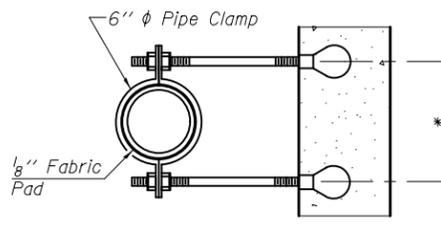
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

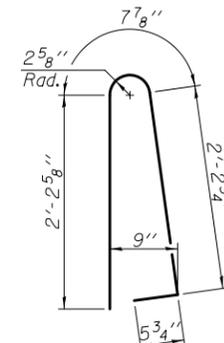


TOP PLAN

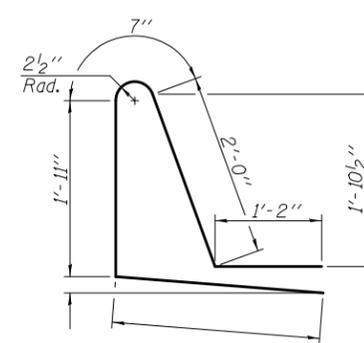


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

BAR s20(E)

BAR s10(E)

BAR s11(E)

BAR v100(E) (Headed)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
b2(E)		#5		—
d(E)		#5	5'-7"	┌
d1(E)		#5		┌
e(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s10(E)		#5		┌
s11(E)		#5		┌
s20(E)		#5		┌
v100(E)		#5	3'-1"	┌
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

SDI-IL36-2

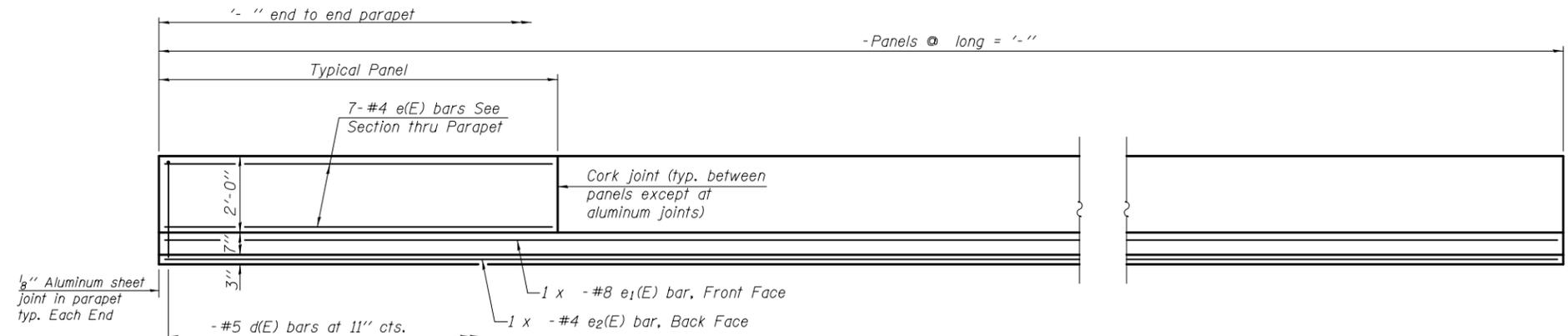
10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISD -
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		PLOT SCALE =	REVISD -
		PLOT DATE =	REVISD -

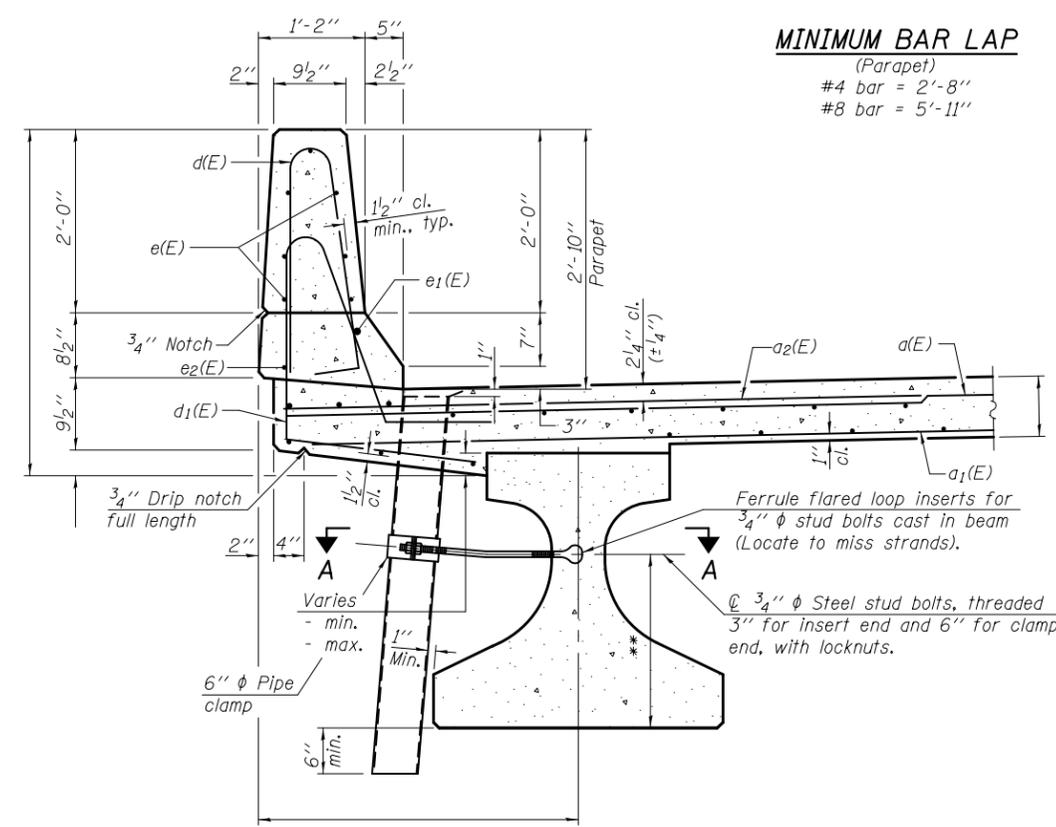
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET

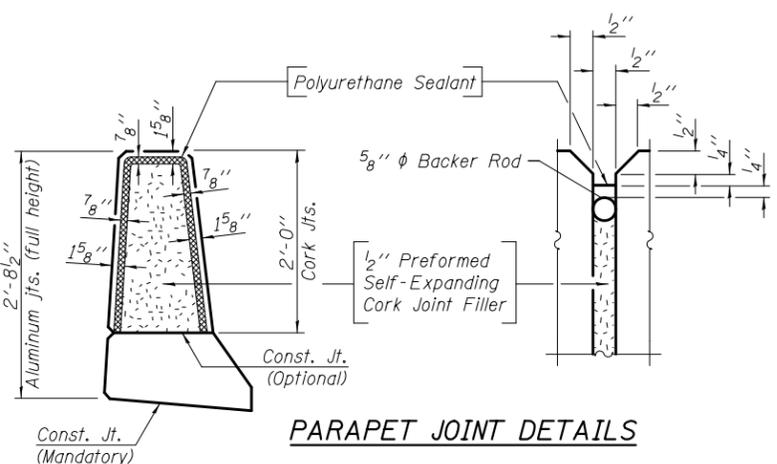


SECTION THRU PARAPET

**For insert locations See sheet of .

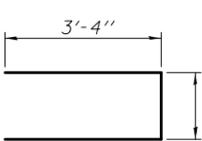
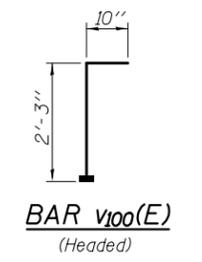
MINIMUM BAR LAP

(Parapet)
 #4 bar = 2'-8"
 #8 bar = 5'-11"

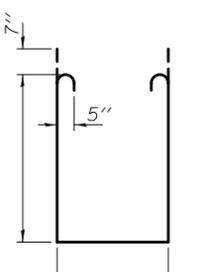


PARAPET JOINT DETAILS

Notes:
 Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
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 The 1/8" Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
 The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.
 The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



BAR s10(E)

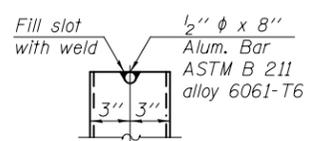


BAR s11(E)

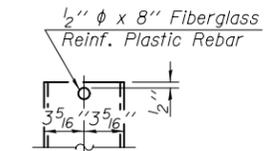
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
d(E)		#5	5'-7"	—
d1(E)		#5		—
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
s10(E)		#5		—
s11(E)		#5		—
v100(E)		#5	3'-1"	—
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

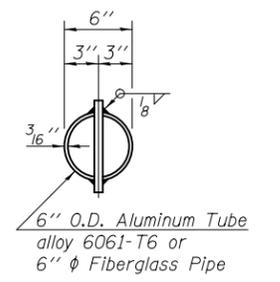
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



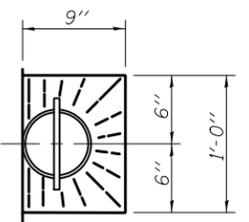
ALUMINUM TUBE



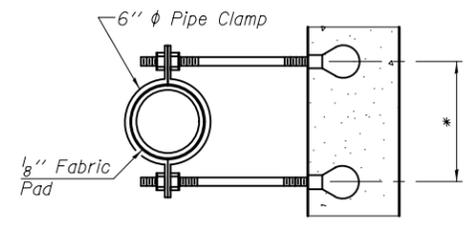
FIBERGLASS PIPE



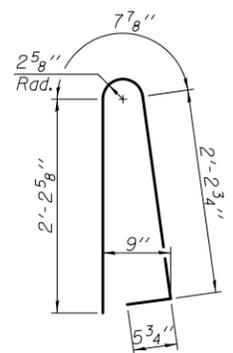
TOP PLAN (Showing Aluminum Tube)



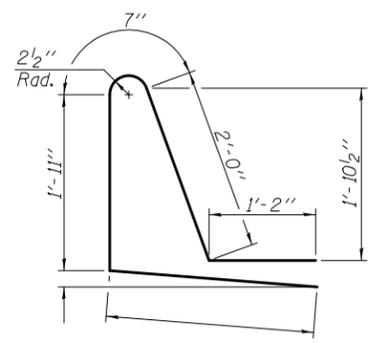
TOP PLAN



SECTION A-A
 *Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-IL36N-1

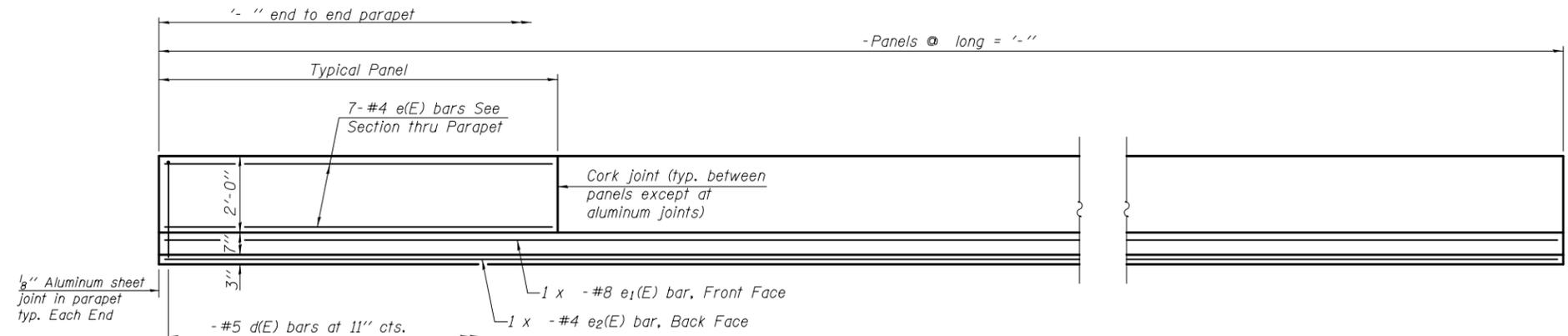
10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISD -
		CHECKED -	REVISD -
		DRAWN -	REVISD -
		CHECKED -	REVISD -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

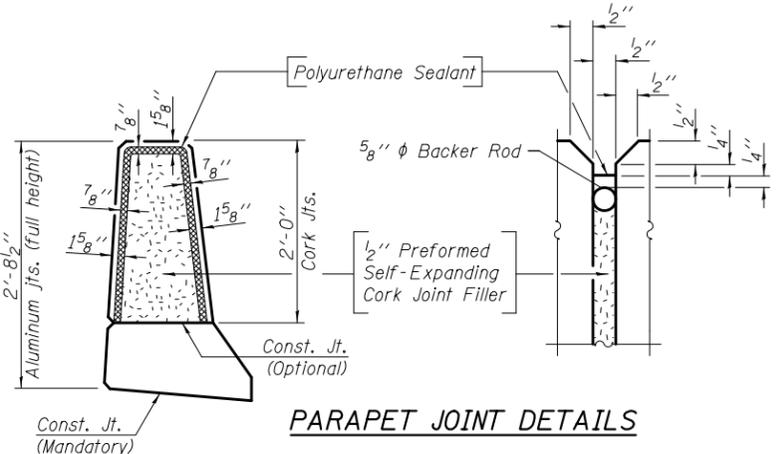
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



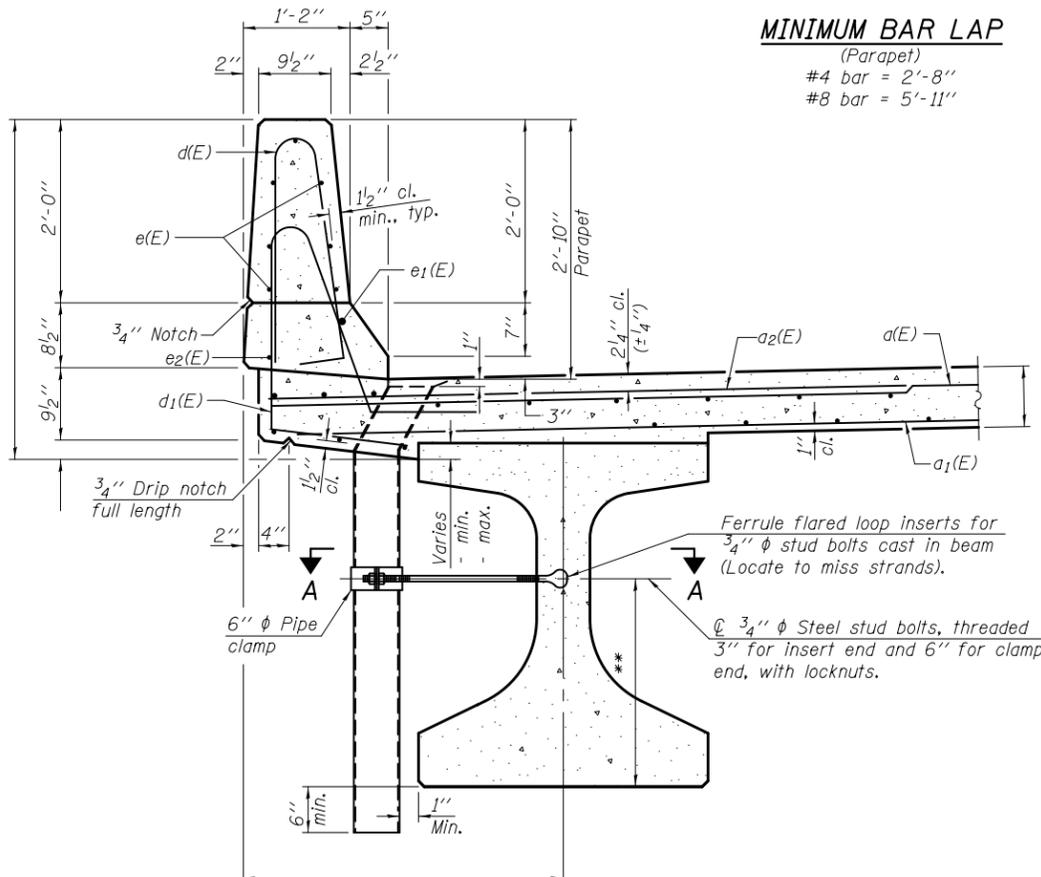
INSIDE ELEVATION OF PARAPET

MINIMUM BAR LAP

(Parapet)
 #4 bar = 2'-8"
 #8 bar = 5'-11"



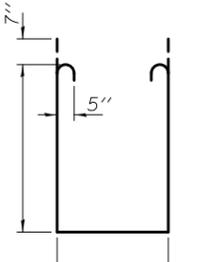
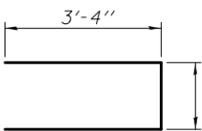
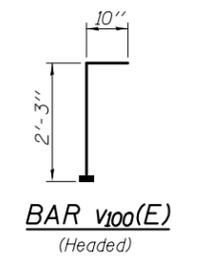
PARAPET JOINT DETAILS



SECTION THRU PARAPET

**For insert locations See sheet of

Notes:
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 The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8 inch backer rod.
 The 1/2 inch Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.

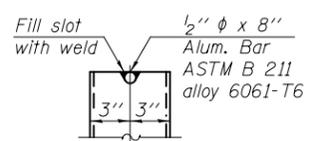


BAR s11(E)

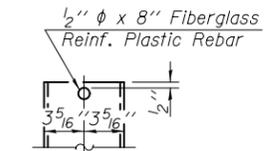
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
d1(E)		#5	5'-7"	—
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
s10(E)		#5		—
s11(E)		#5		—
v100(E)		#5	3'-1"	—
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

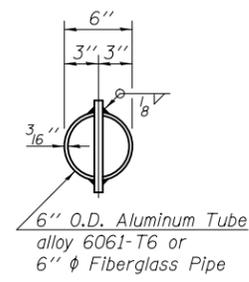
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



ALUMINUM TUBE

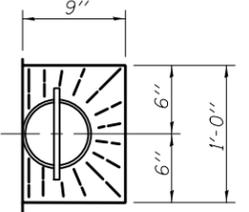


FIBERGLASS PIPE

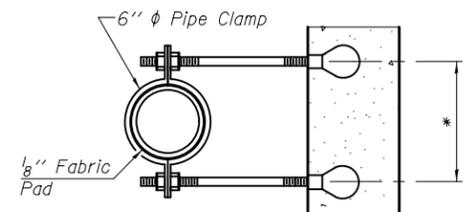


TOP PLAN

(Showing Aluminum Tube)

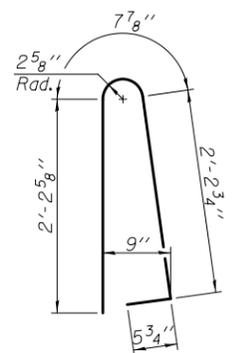


TOP PLAN

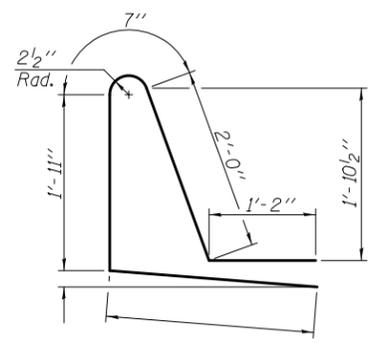


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

SDI-IL4554-1

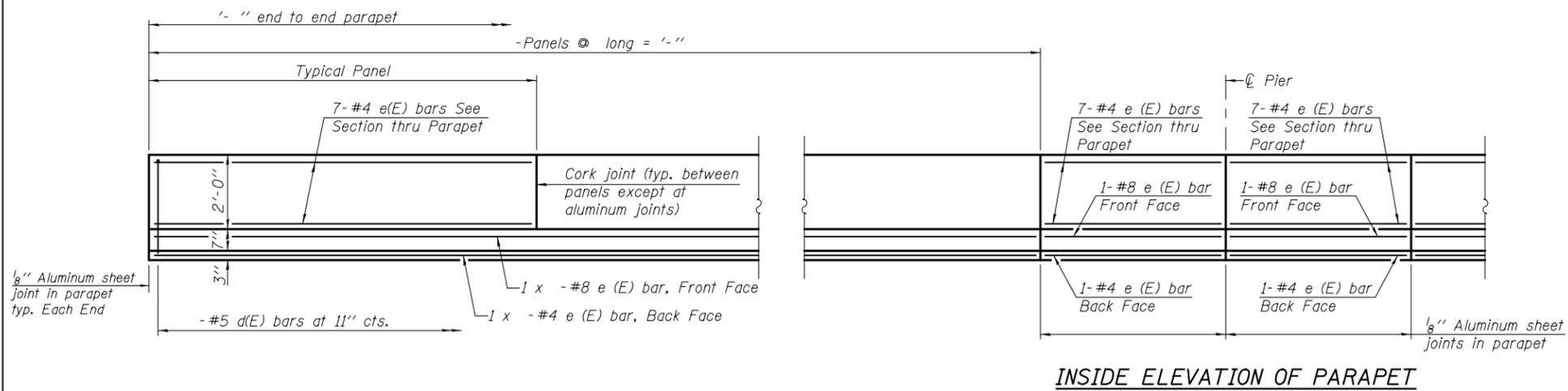
10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REvised -
		CHECKED -	REvised -
		DRAWN -	REvised -
		CHECKED -	REvised -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

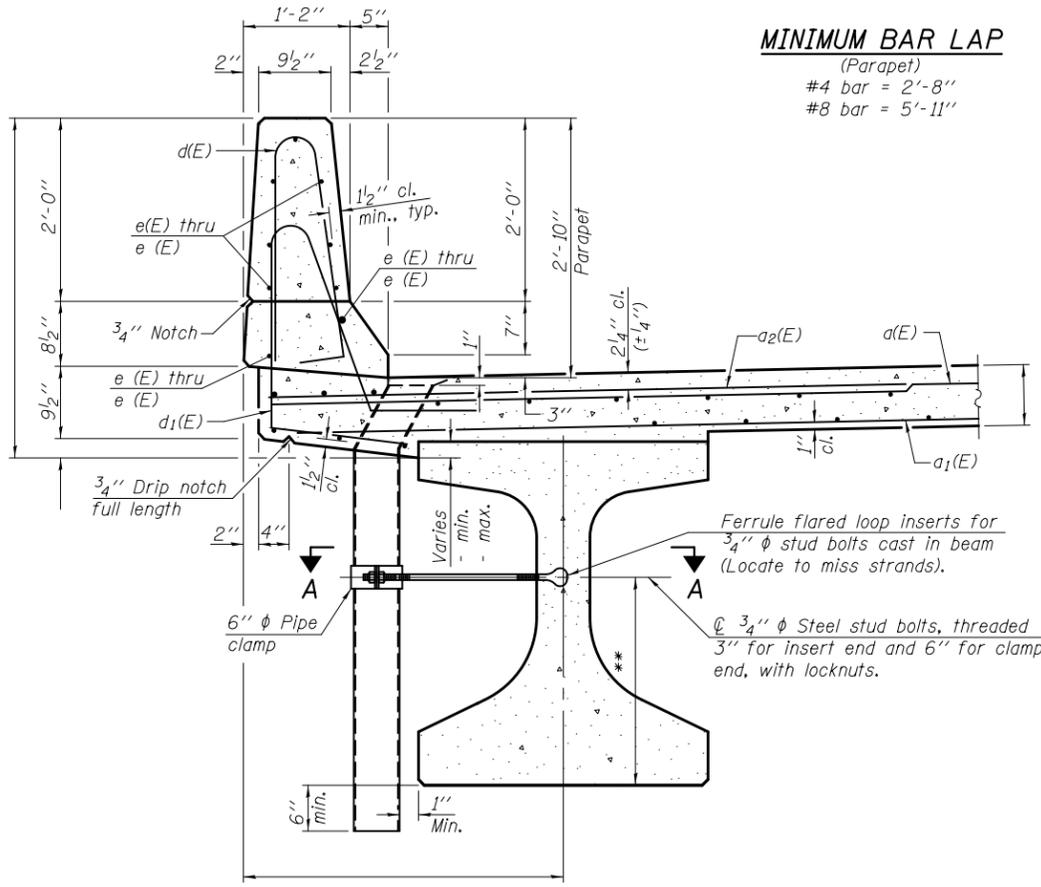


INSIDE ELEVATION OF PARAPET

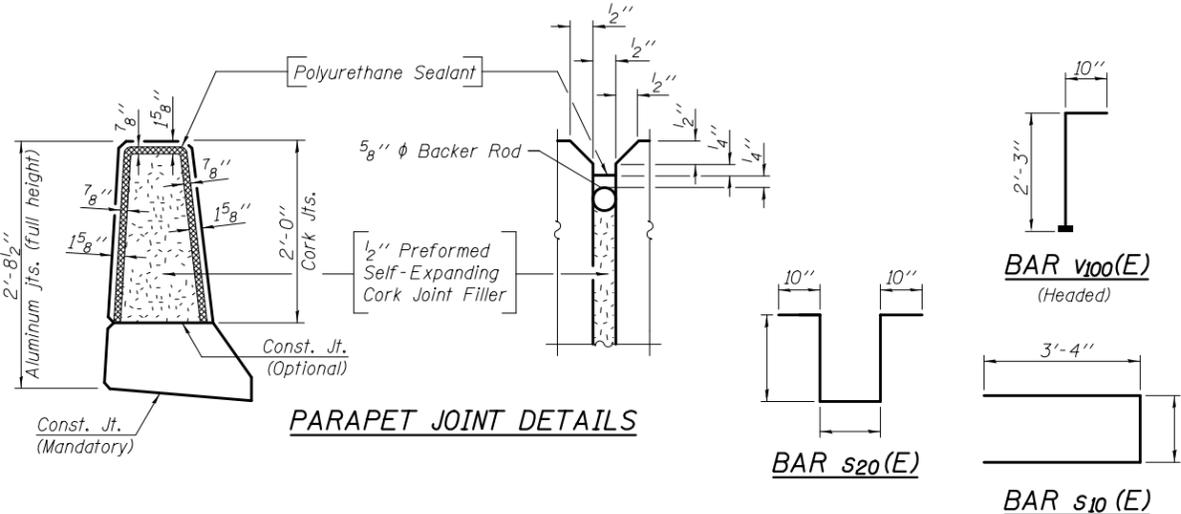
**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)		#5		—
a ₁ (E)		#5		—
a ₂ (E)		#6	6'-6"	—
a ₃ (E)		#5		—
b(E)		#5		—
b ₁ (E)		#5		—
b ₂ (E)		#5		—
d(E)		#5	5'-7"	L
d ₁ (E)		#5		L
e(E)		#4		—
m ₁₀ (E)		#6		—
m ₁₁ (E)		#6		—
m ₁₂ (E)		#6		—
m ₁₃ (E)		#6		—
m ₁₄ (E)		#6		—
m ₁₅ (E)		#5	4'-0"	—
m ₂₀ (E)		#6		—
m ₂₁ (E)		#6		—
m ₂₂ (E)		#5	4'-0"	—
s ₁₀ (E)		#5		U
s ₁₁ (E)		#5		U
s ₂₀ (E)		#5		U
v ₁₀₀ (E)		#5	3'-1"	L
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

**MINIMUM BAR LAP
(Parapet)**
#4 bar = 2'-8"
#8 bar = 5'-11"

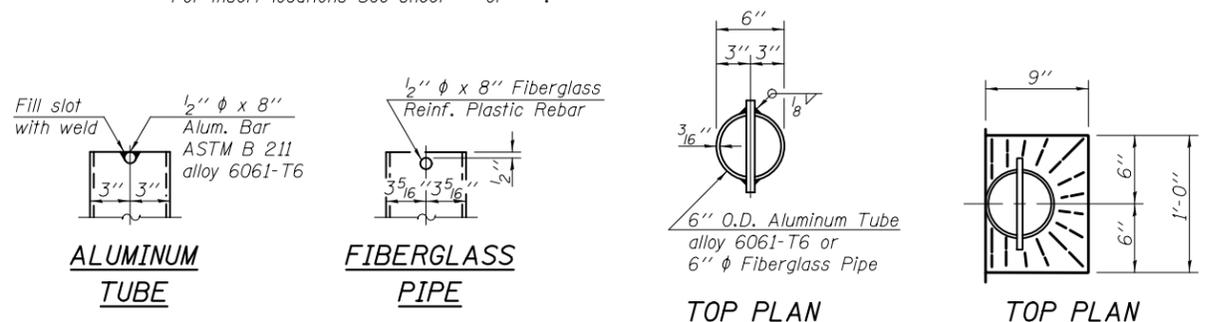


SECTION THRU PARAPET
**For insert locations See sheet of

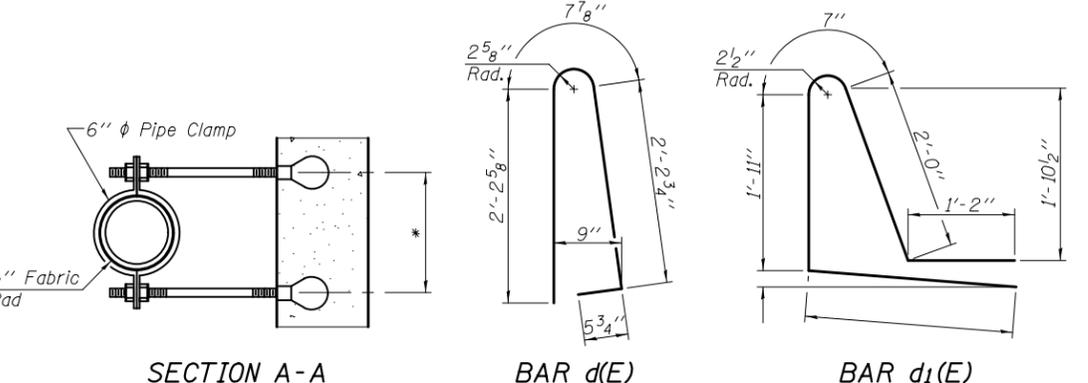


PARAPET JOINT DETAILS

Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.
The clamping device and inserts shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.
The 1/8 inch Aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
The Polyurethane Sealant shall be non-staining gray one component non-sag elastomeric gun grade meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8 inch backer rod.
The 1/2 inch Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



TOP PLAN
(Showing Aluminum Tube)



SECTION A-A
*Dimension as required by Pipe Clamp

SDI-IL4554-2 10-7-2016

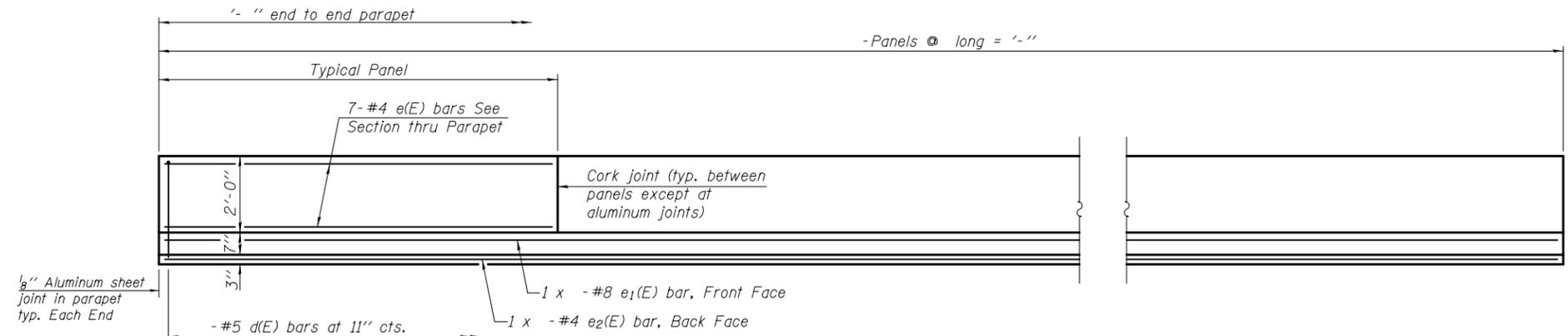
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

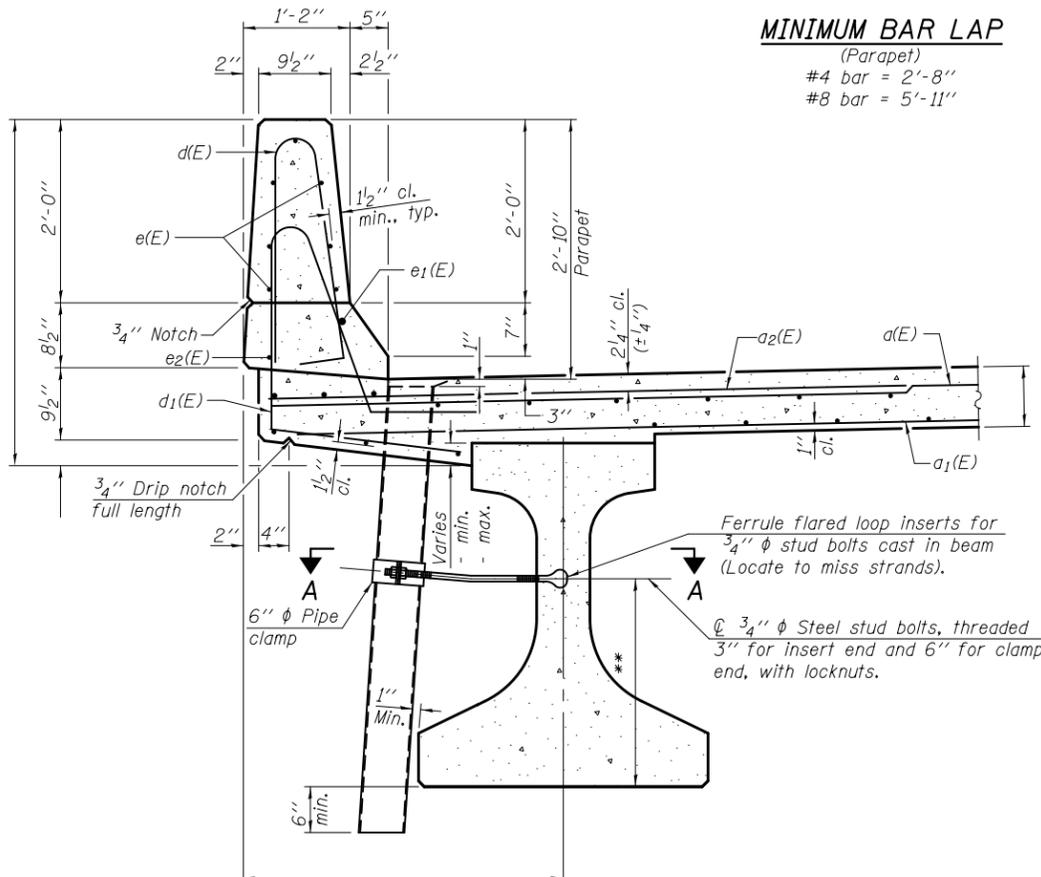
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



INSIDE ELEVATION OF PARAPET

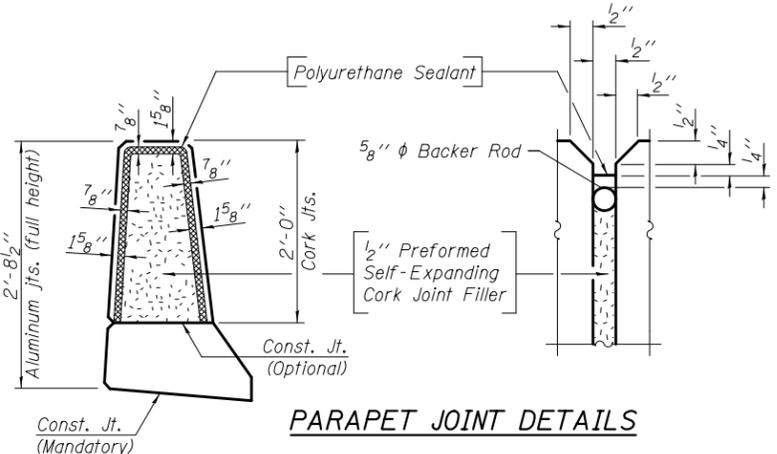
MINIMUM BAR LAP

(Parapet)
 #4 bar = 2'-8"
 #8 bar = 5'-11"



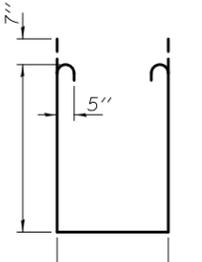
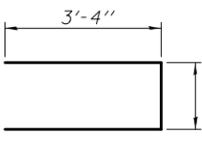
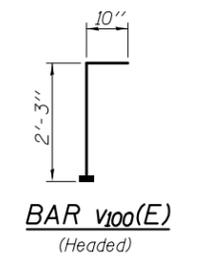
SECTION THRU PARAPET

**For insert locations See sheet of



PARAPET JOINT DETAILS

Notes:
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 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.

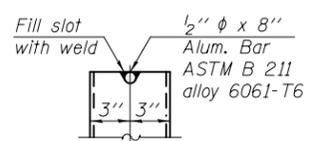


BAR s11(E)

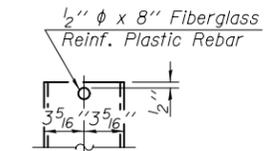
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	#5			
a1(E)	#5			
a2(E)	#6	6'-6"		
a3(E)	#5			
b(E)	#5			
b1(E)	#5			
d(E)	#5	5'-7"		
d1(E)	#5			
e(E)	#4			
e1(E)	#8			
e2(E)	#4			
m10(E)	#6			
m11(E)	#6			
m12(E)	#6			
m13(E)	#6			
m14(E)	#6			
m15(E)	#5	4'-0"		
s10(E)	#5			
s11(E)	#5			
v100(E)	#5	3'-1"		
Reinforcement Bars, Epoxy Coated		Lbs.		
Concrete Superstructure		Cu. Yds.		

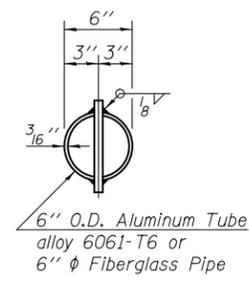
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



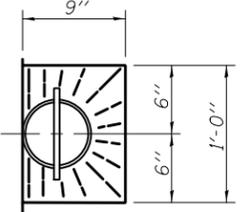
ALUMINUM TUBE



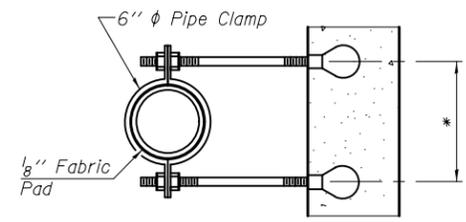
FIBERGLASS PIPE



TOP PLAN
(Showing Aluminum Tube)

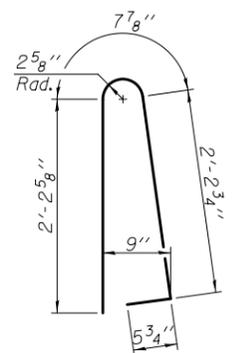


TOP PLAN

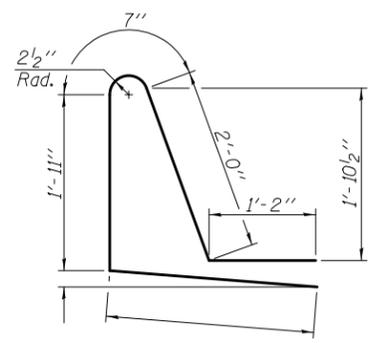


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

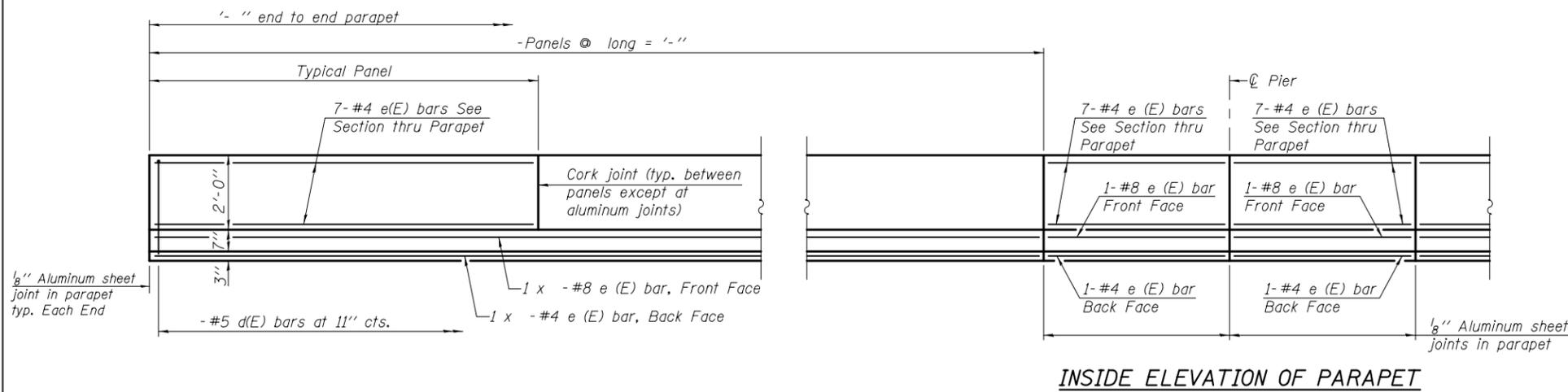
SDI-IL4554N-1 10-7-2016

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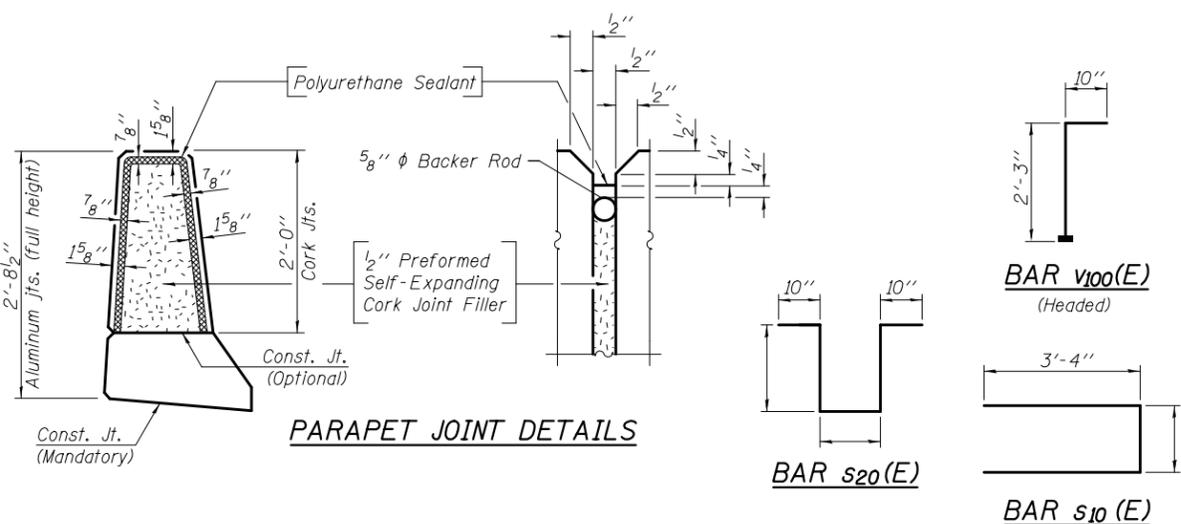
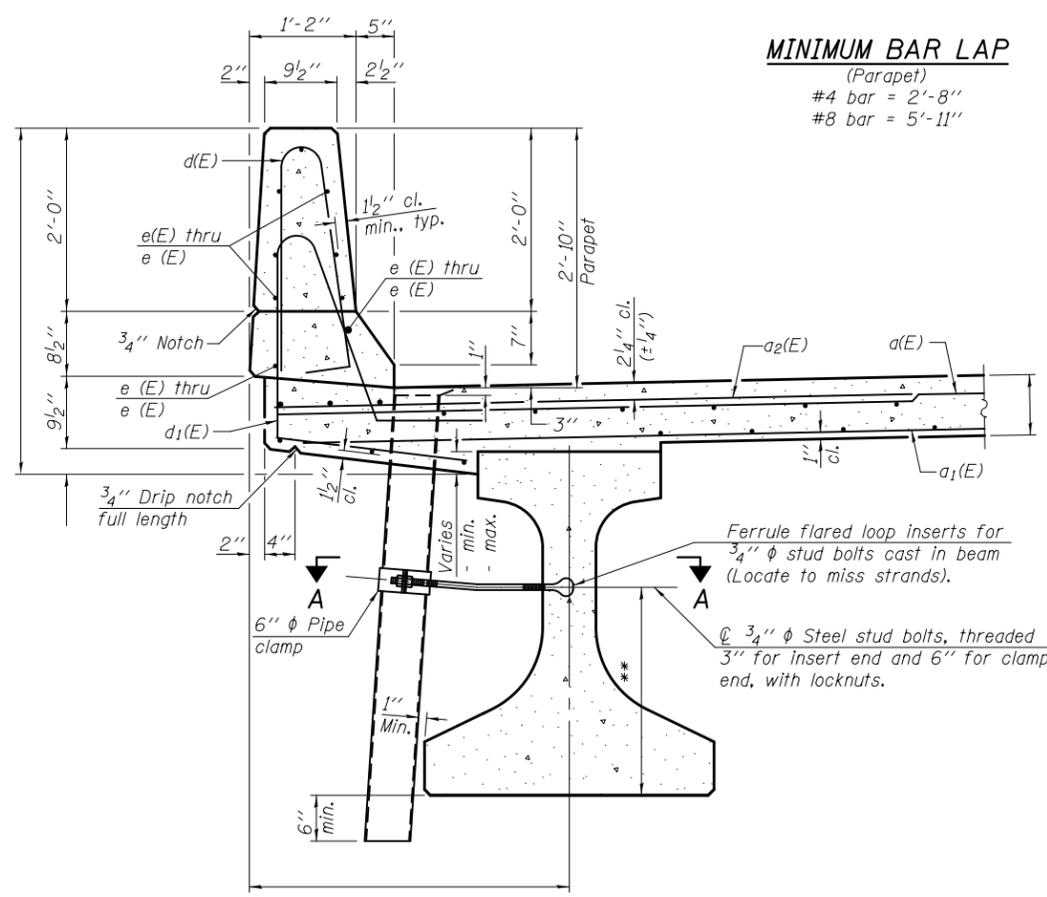
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO.

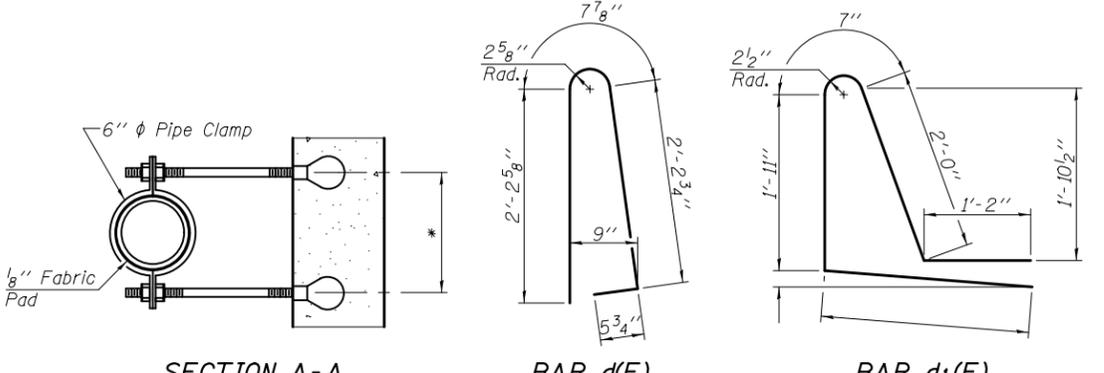
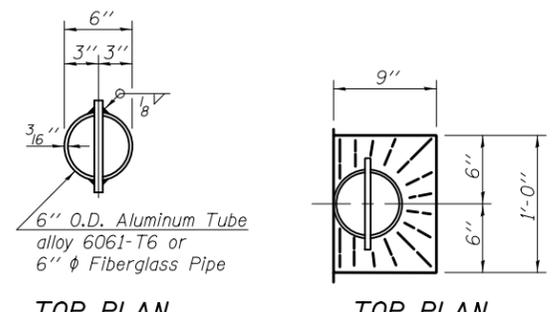
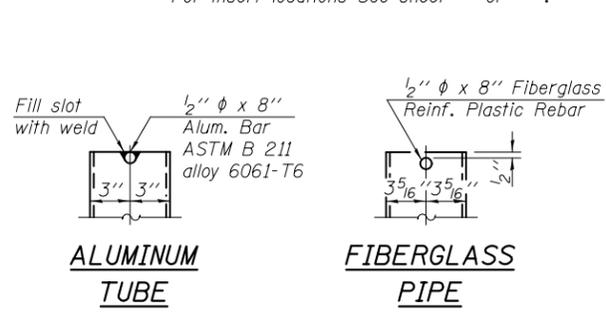
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"



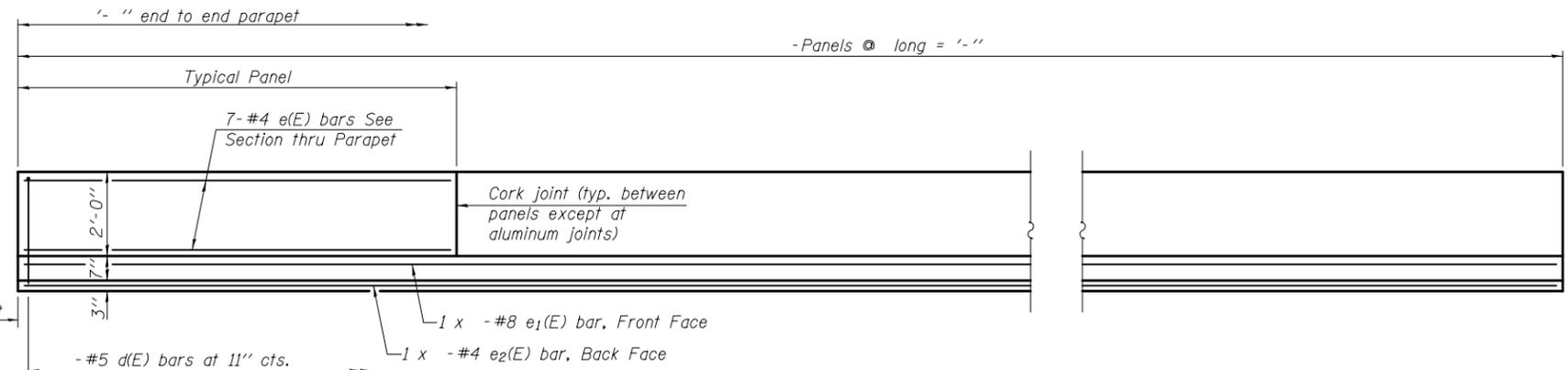
Notes:
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Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



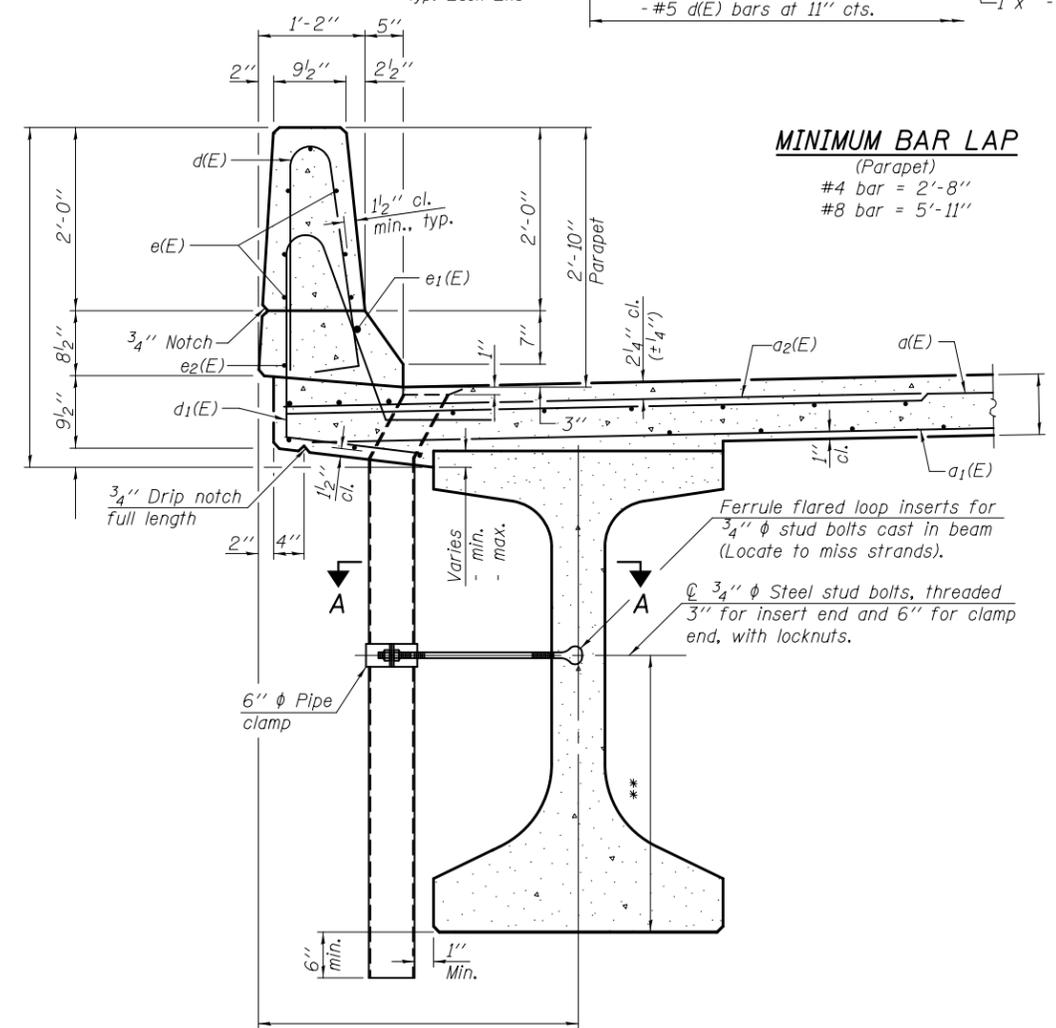
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
b2(E)		#5		—
d(E)		#5	5'-7"	┌
d1(E)		#5		└
e(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
m20(E)		#6		—
m21(E)		#6		—
m22(E)		#5	4'-0"	—
s10(E)		#5		┌
s11(E)		#5		└
s20(E)		#5		└
v100(E)		#5	3'-1"	└
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

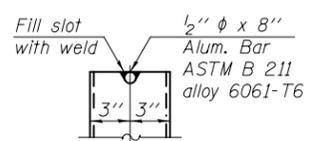


INSIDE ELEVATION OF PARAPET

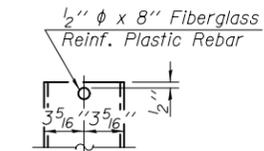


SECTION THRU PARAPET

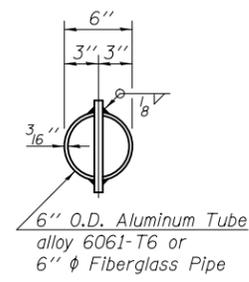
**For insert locations See sheet of



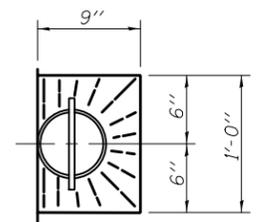
ALUMINUM TUBE



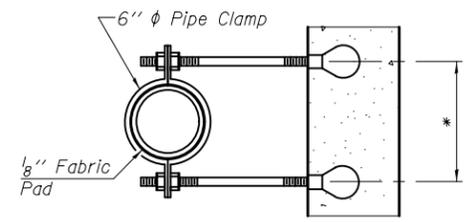
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

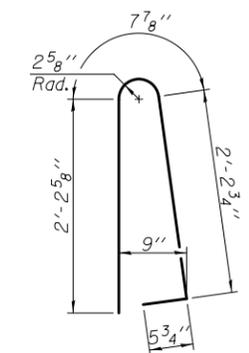


TOP PLAN

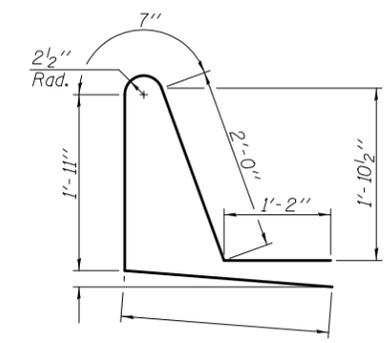


SECTION A-A

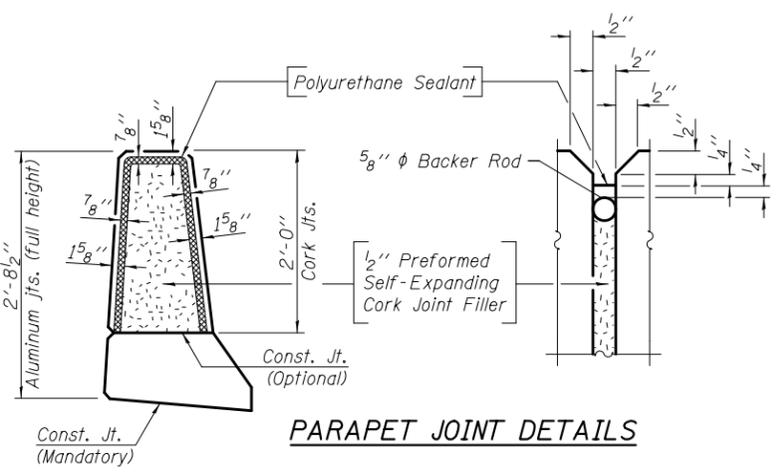
*Dimension as required by Pipe Clamp



BAR d(E)

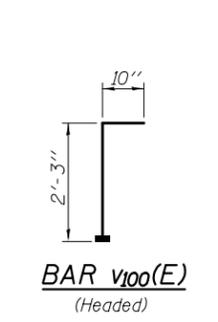


BAR d1(E)

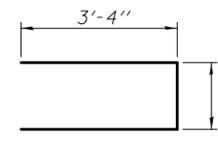


PARAPET JOINT DETAILS

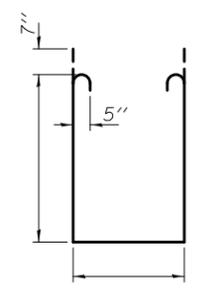
Notes:
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 The 1/2" Preformed Self-Expanding Cork Joint Filler shall be according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.
 Headed bars shall conform to ASTM A970 Class HA. Cost included with Reinforcement Bars, Epoxy Coated.



BAR v100(E) (Headed)



BAR s10(E)



BAR s11(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		—
a1(E)		#5		—
a2(E)		#6	6'-6"	—
a3(E)		#5		—
b(E)		#5		—
b1(E)		#5		—
d(E)		#5	5'-7"	⌒
d1(E)		#5		⌒
e(E)		#4		—
e1(E)		#8		—
e2(E)		#4		—
m10(E)		#6		—
m11(E)		#6		—
m12(E)		#6		—
m13(E)		#6		—
m14(E)		#6		—
m15(E)		#5	4'-0"	—
s10(E)		#5		⌒
s11(E)		#5		⌒
v100(E)		#5	3'-1"	⌒
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

SDI-IL6372-1

10-7-2016

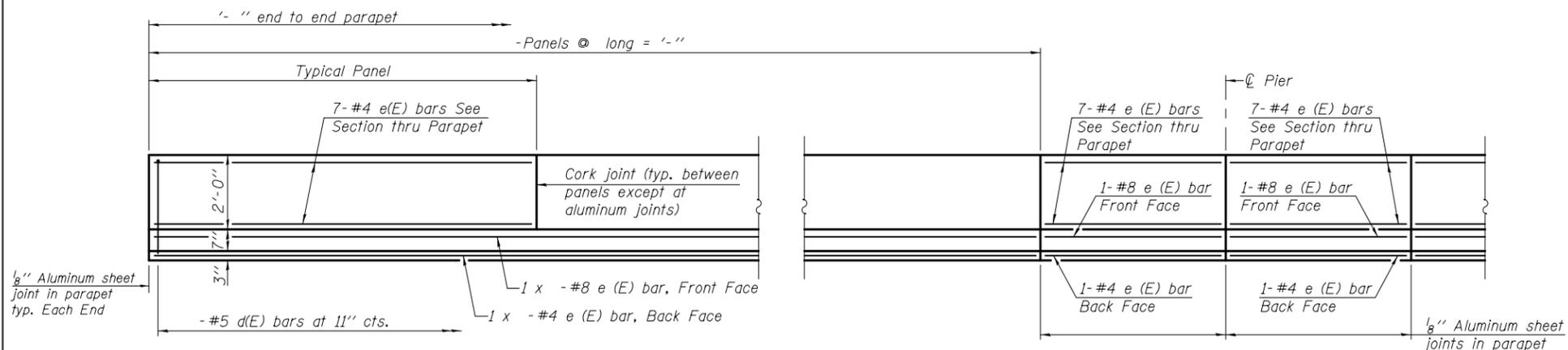
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

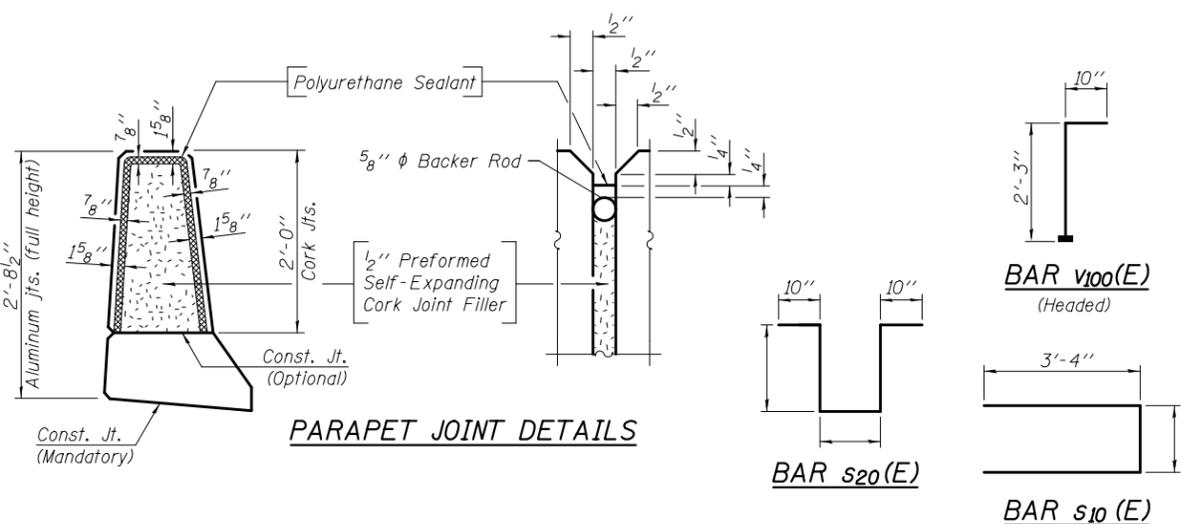
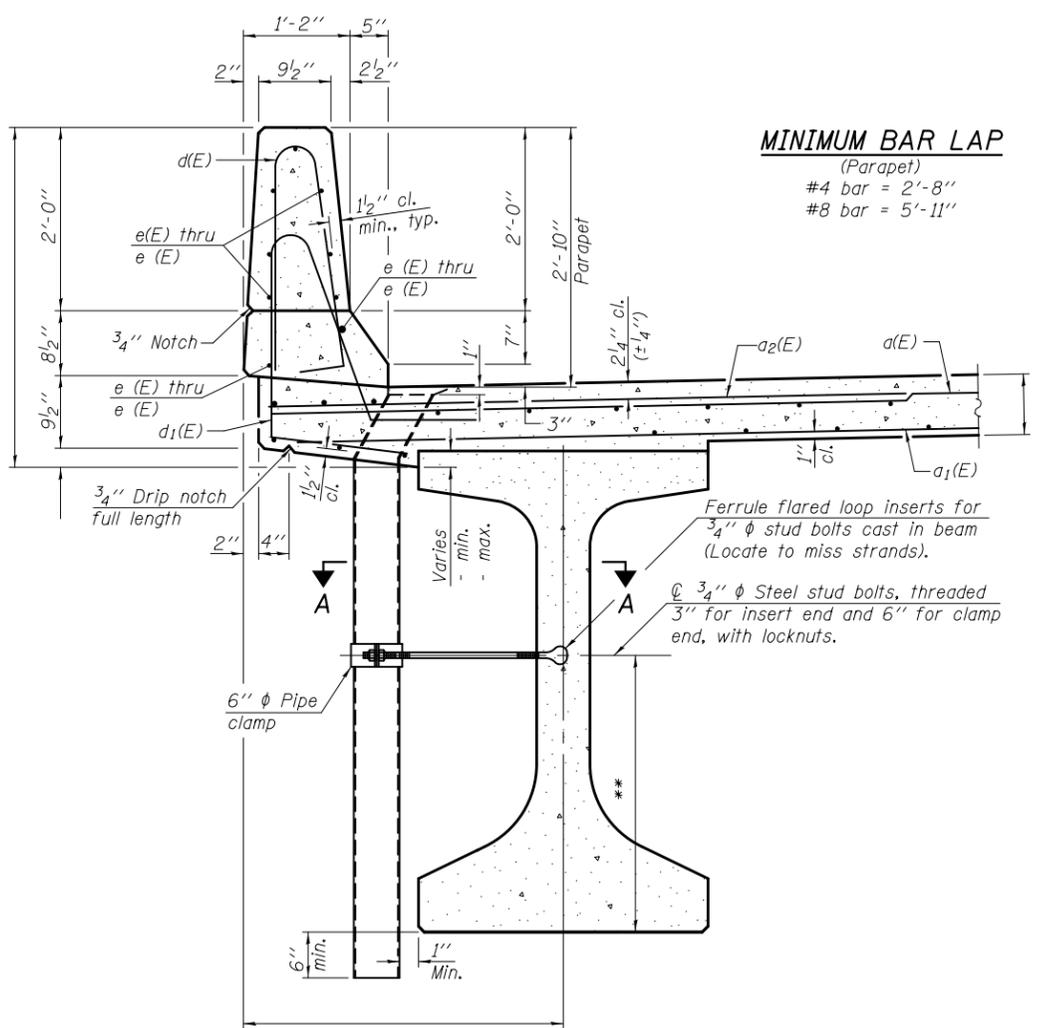
**SUPERSTRUCTURE DETAILS
STRUCTURE NO.**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

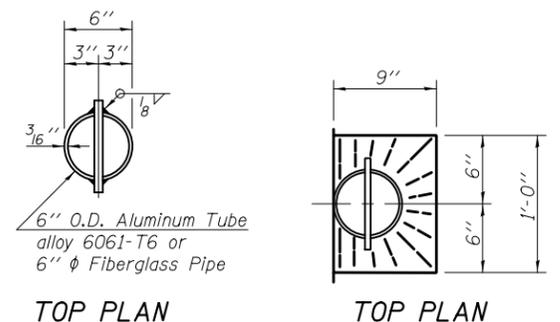
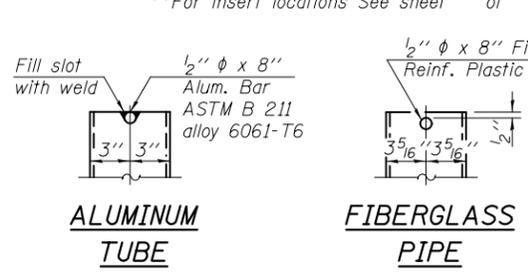


INSIDE ELEVATION OF PARAPET



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SECTION THRU PARAPET
 **For insert locations See sheet of



SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)		#5		
b(E)		#5		
b1(E)		#5		
b2(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
m10(E)		#6		
m11(E)		#6		
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m13(E)		#6		
m14(E)		#6		
m15(E)		#5	4'-0"	
m20(E)		#6		
m21(E)		#6		
m22(E)		#5	4'-0"	
s10(E)		#5		
s11(E)		#5		
s20(E)		#5		
v100(E)		#5	3'-1"	
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

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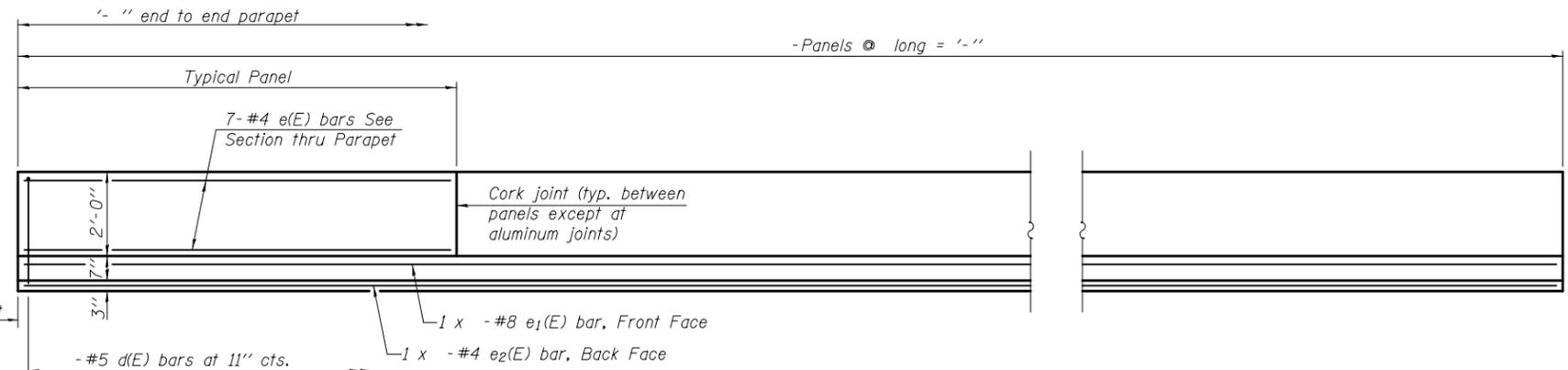
SDI-IL6372-2 10-7-2016

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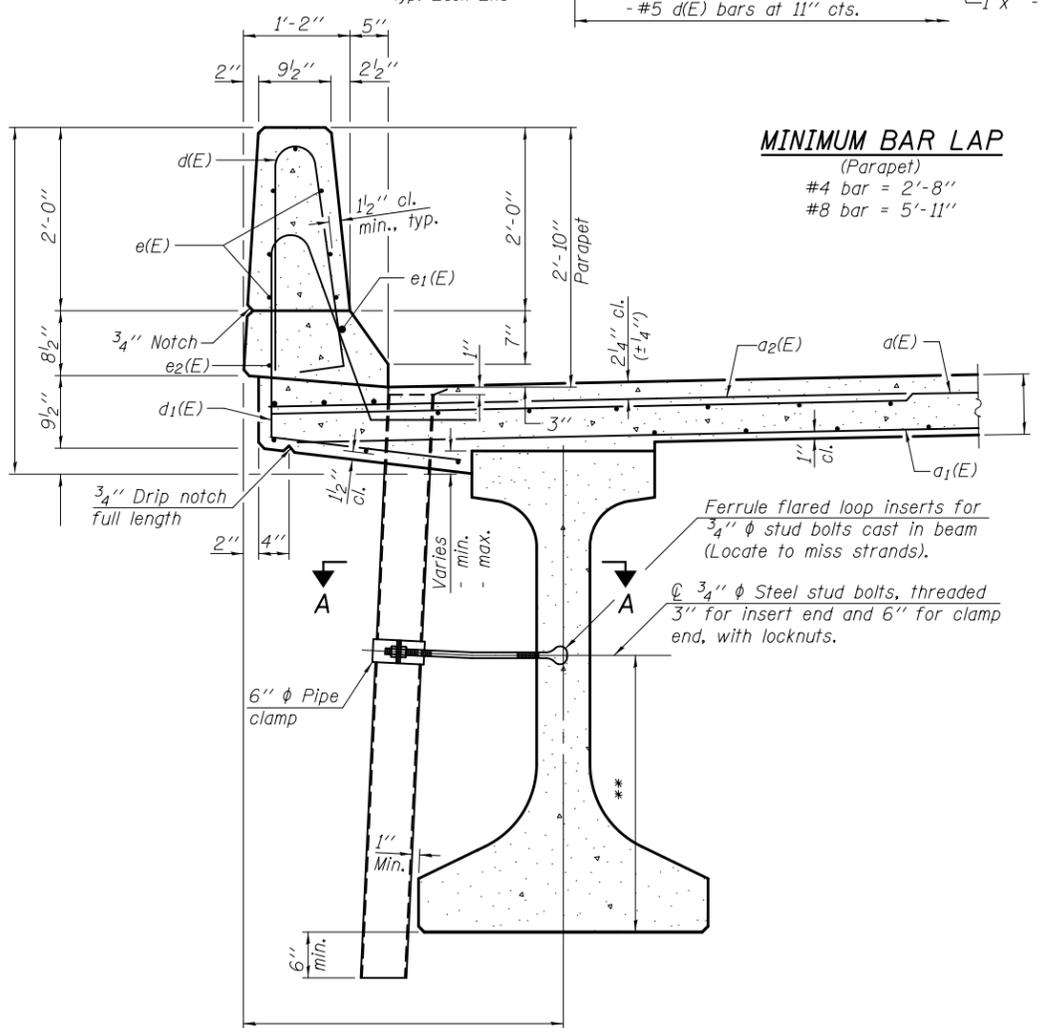
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

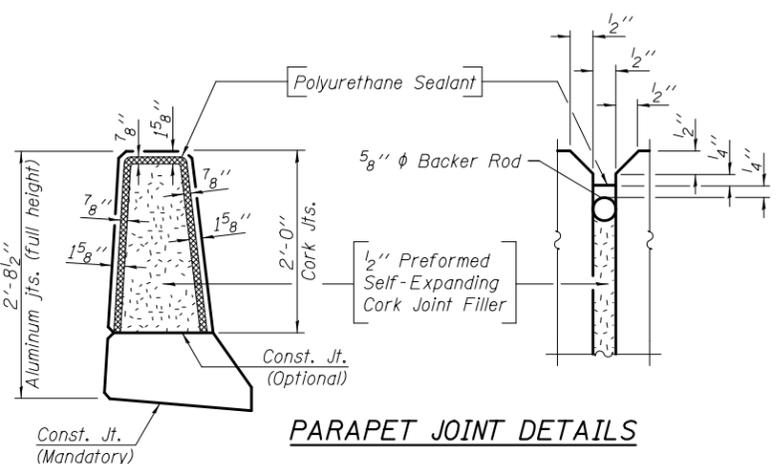
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				



INSIDE ELEVATION OF PARAPET

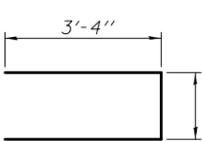
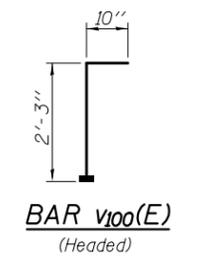


MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"

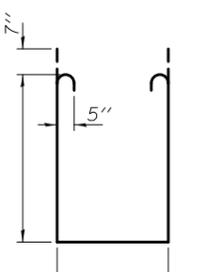


PARAPET JOINT DETAILS

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BAR s10 (E)



BAR s11 (E)

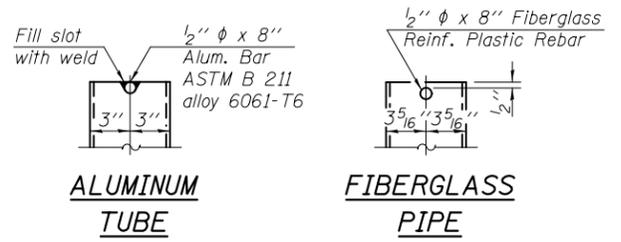
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)		#5		
a1(E)		#5		
a2(E)		#6	6'-6"	
a3(E)		#5		
b(E)		#5		
b1(E)		#5		
d(E)		#5	5'-7"	
d1(E)		#5		
e(E)		#4		
e1(E)		#8		
e2(E)		#4		
m10(E)		#6		
m11(E)		#6		
m12(E)		#6		
m13(E)		#6		
m14(E)		#6		
m15(E)		#5	4'-0"	
s10(E)		#5		
s11(E)		#5		
v100(E)		#5	3'-1"	
Reinforcement Bars, Epoxy Coated			Lbs.	
Concrete Superstructure			Cu. Yds.	

Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

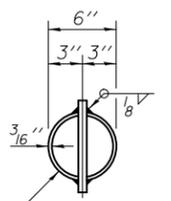
SECTION THRU PARAPET

**For insert locations See sheet of

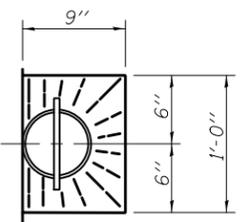


ALUMINUM TUBE

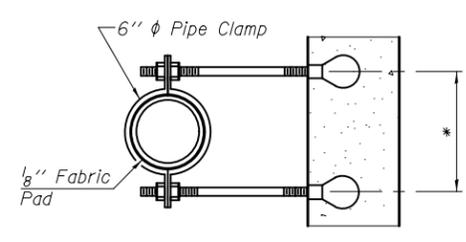
FIBERGLASS PIPE



TOP PLAN (Showing Aluminum Tube)

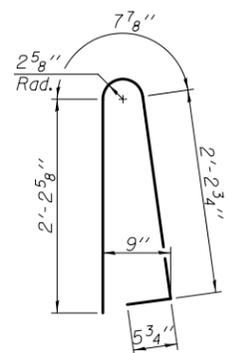


TOP PLAN

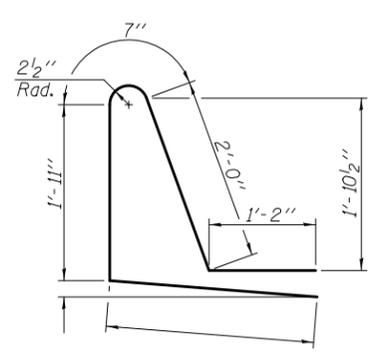


SECTION A-A

*Dimension as required by Pipe Clamp



BAR d(E)



BAR d1(E)

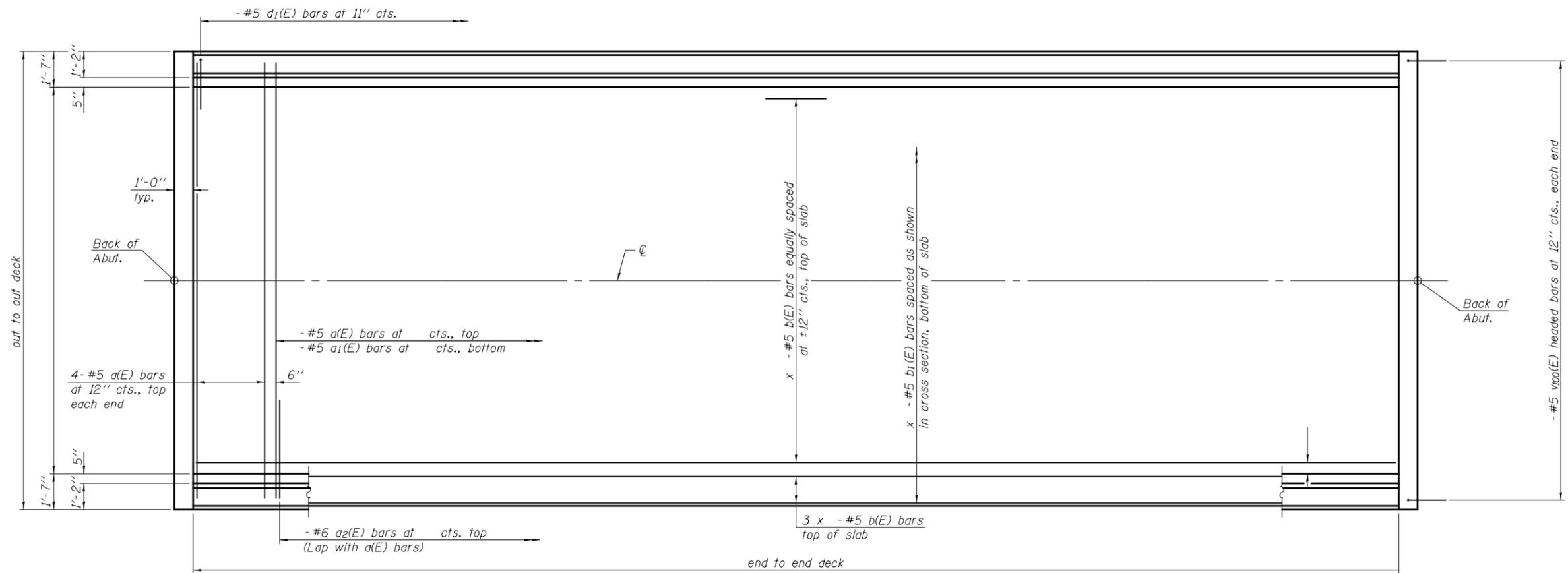
SDI-IL6372N-1 10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REvised -
		CHECKED -	REvised -
		DRAWN -	REvised -
		CHECKED -	REvised -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

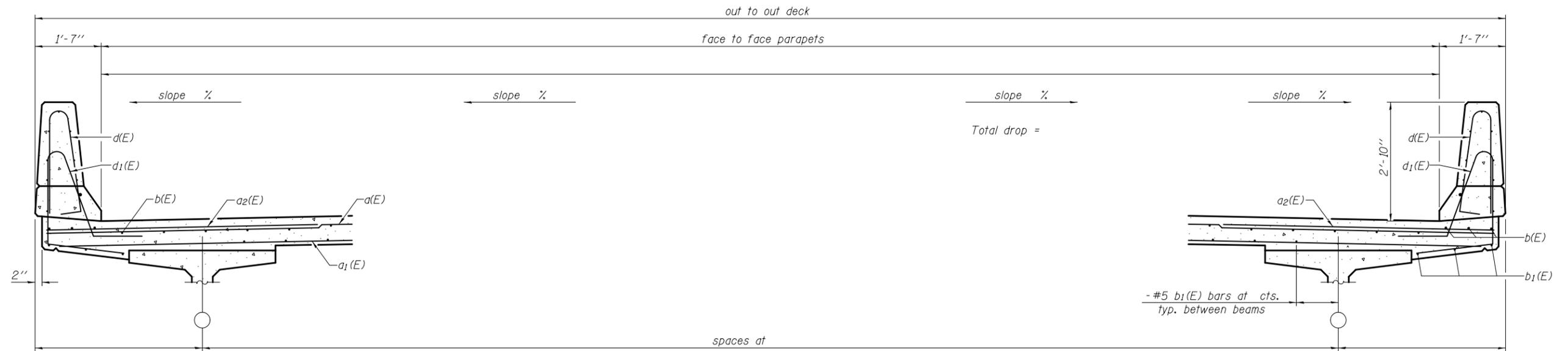


MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SI-BT6372-1-0

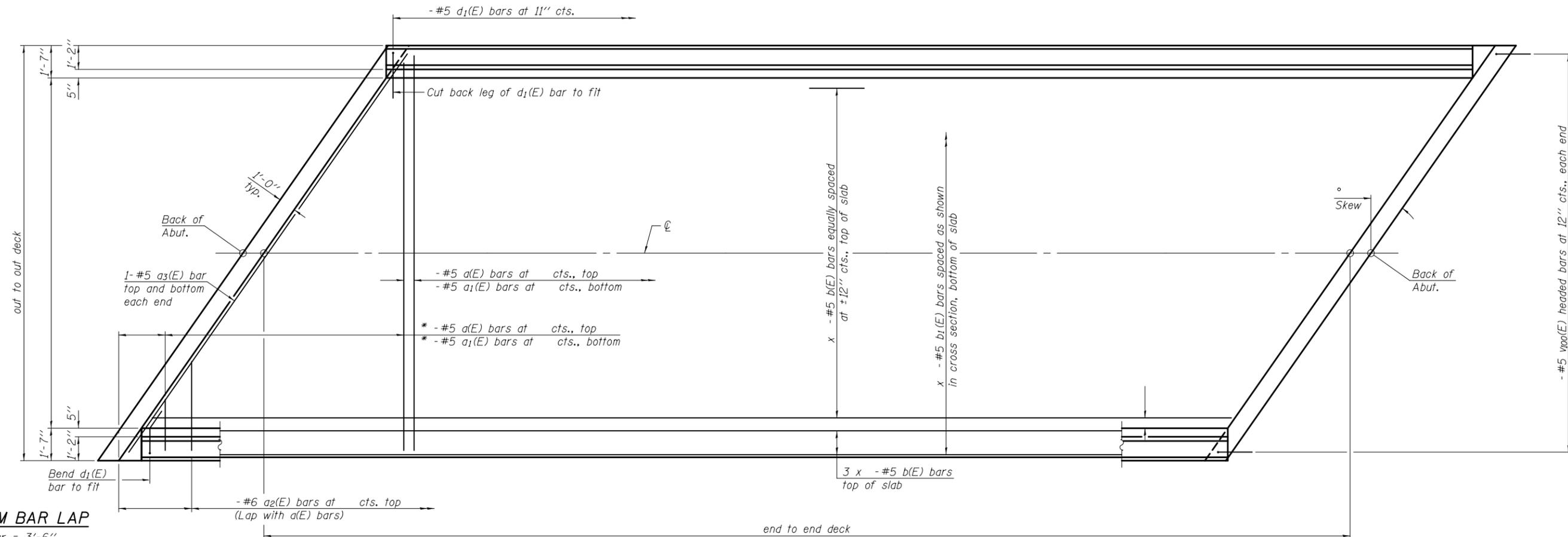
10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
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	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



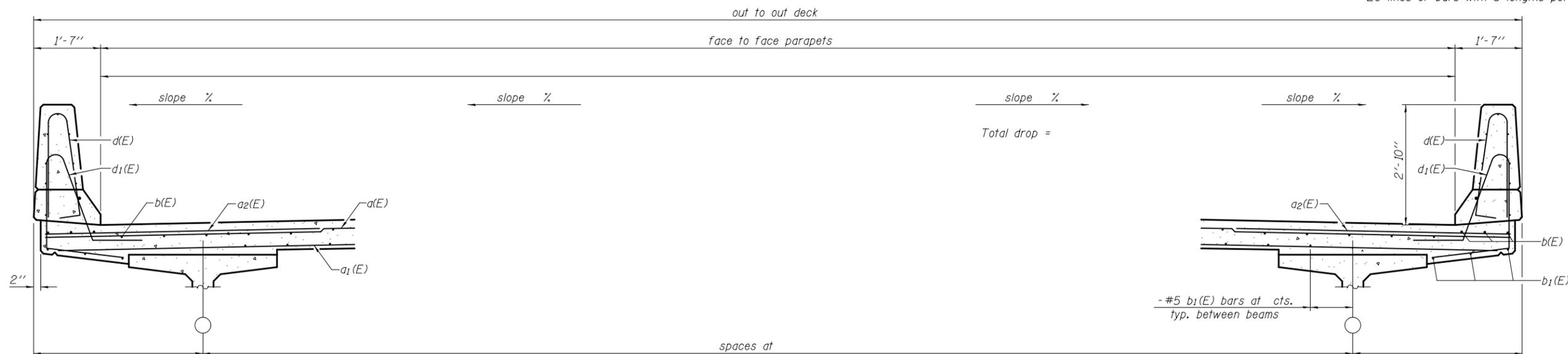
MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a₁(E) bars full length.
Cut to fit skew and use remainder of bars in opposite end.

PLAN

Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

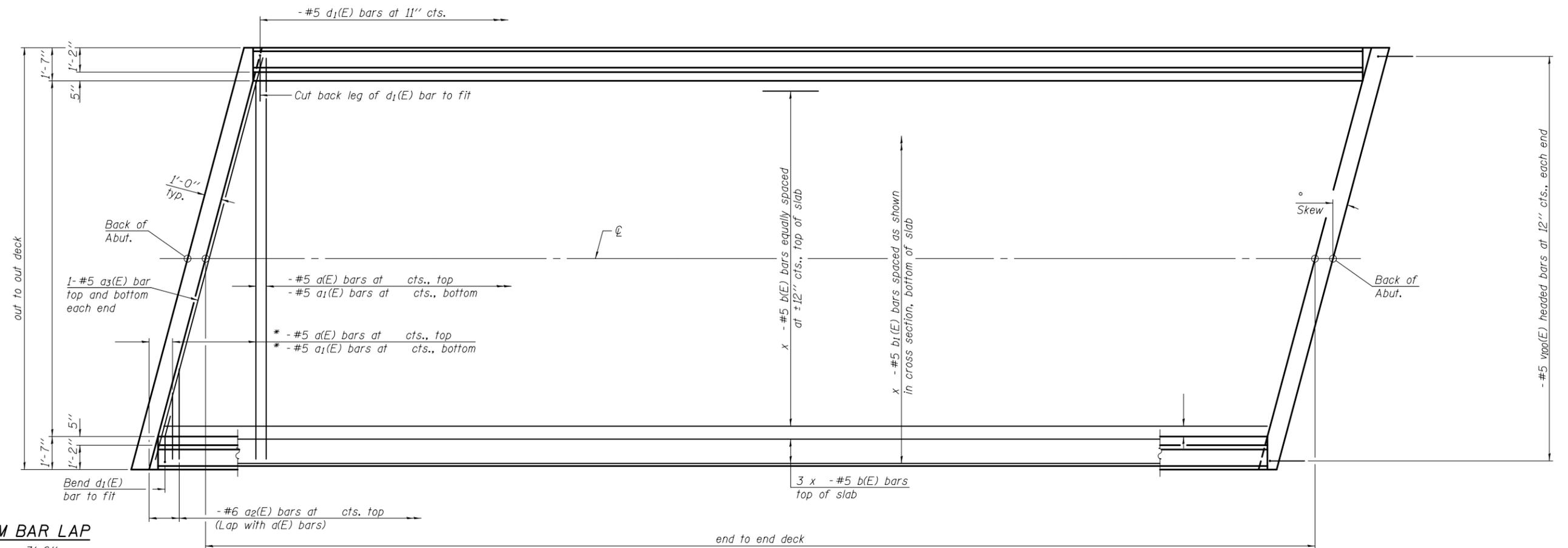


CROSS SECTION

(Looking)

SI-BT6372-1-L(>30°) 10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISD -			CONTRACT NO.					
		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISD -								



MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

PLAN

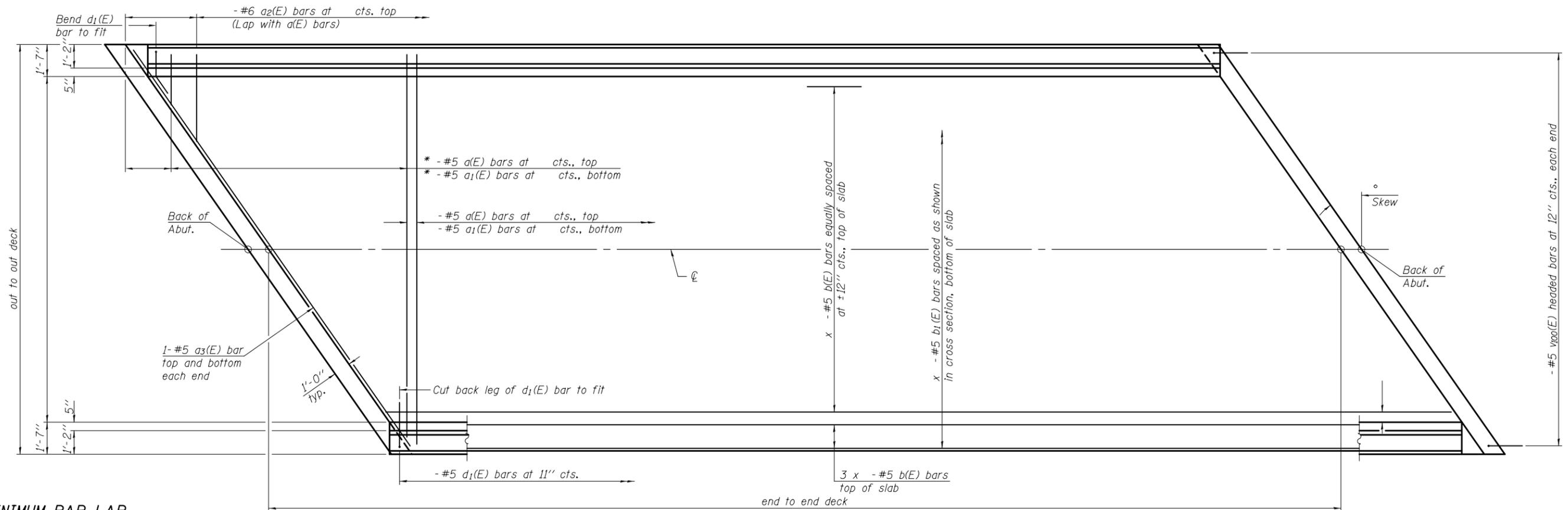
Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SI-BT6372-1-L(30°) 10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		PLOT DATE =	CHECKED -								



MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a1(E) bars full length.
Cut to fit skew and use remainder of bars in opposite end.

PLAN

Notes:
See sheet of for superstructure details and Bill of Material.
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CROSS SECTION
(Looking)

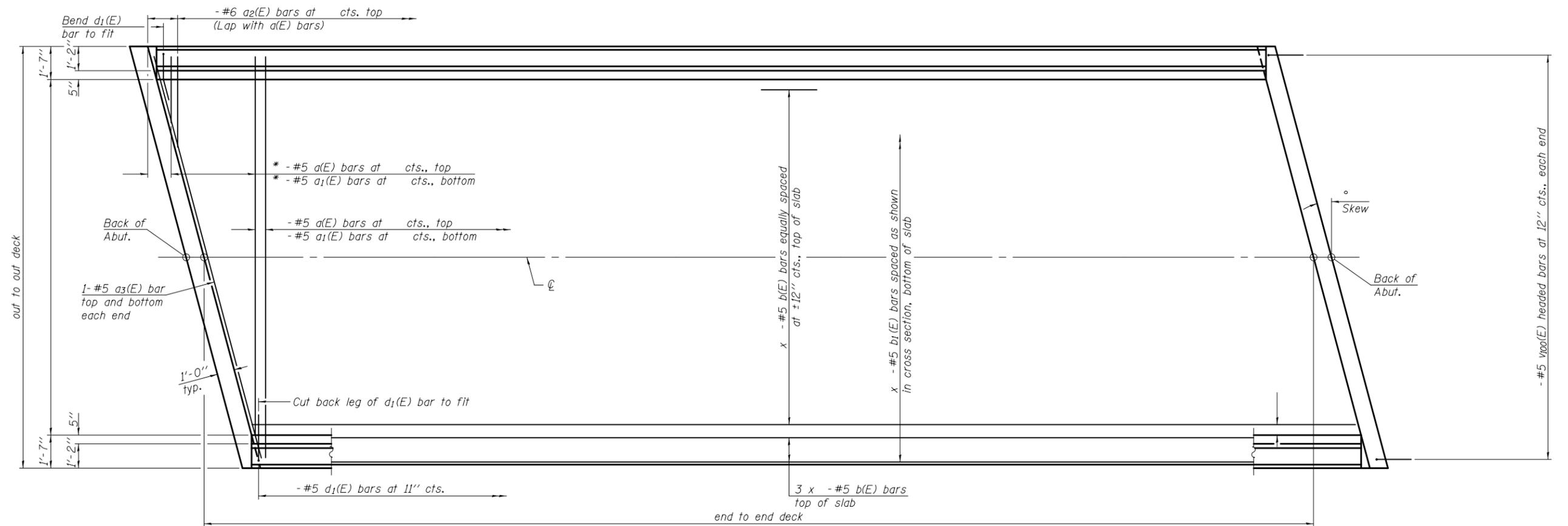
SI-BT6372-1-R(>30°) 10-7-2016

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



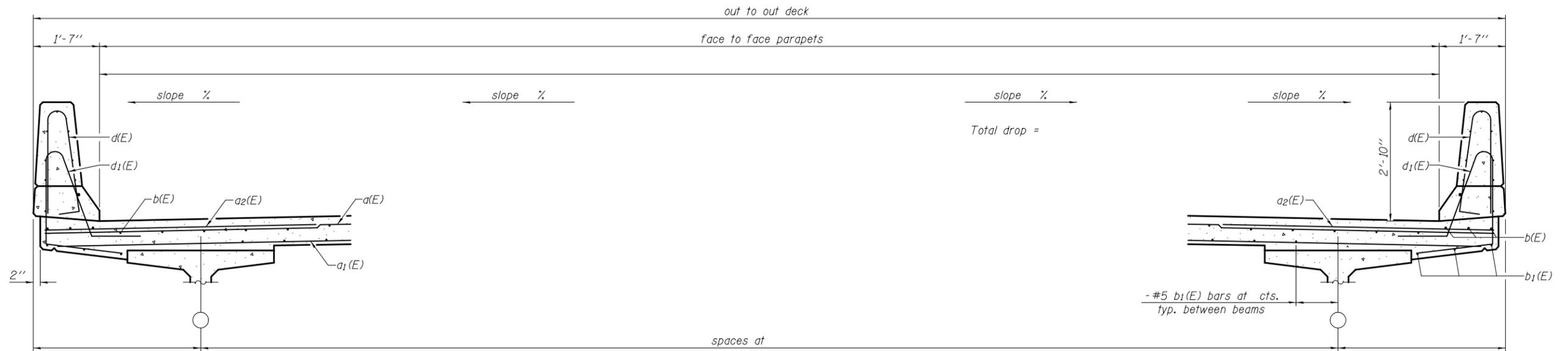
PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a1(E) bars full length.
Cut to fit skew and use remainder of bars in opposite end.

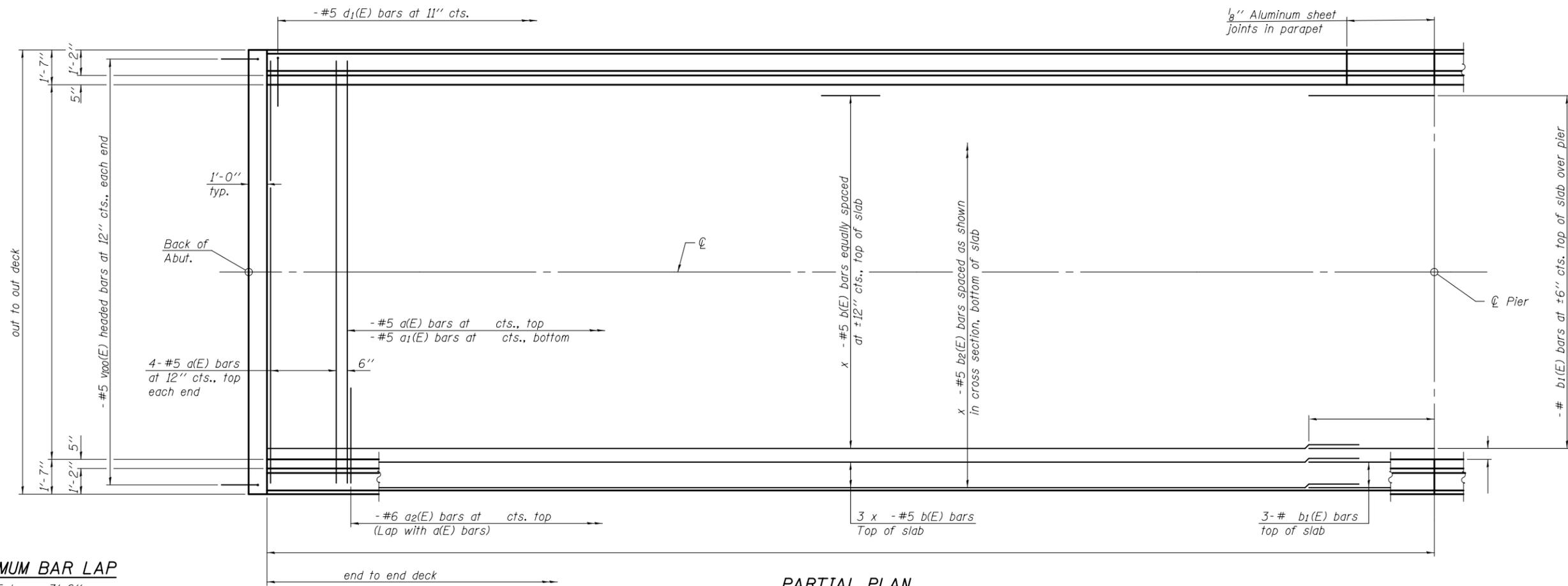
Notes:
See sheet of for superstructure details and Bill of Material.
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CROSS SECTION
(Looking)

SI-BT6372-1-R(30°) 10-7-2016

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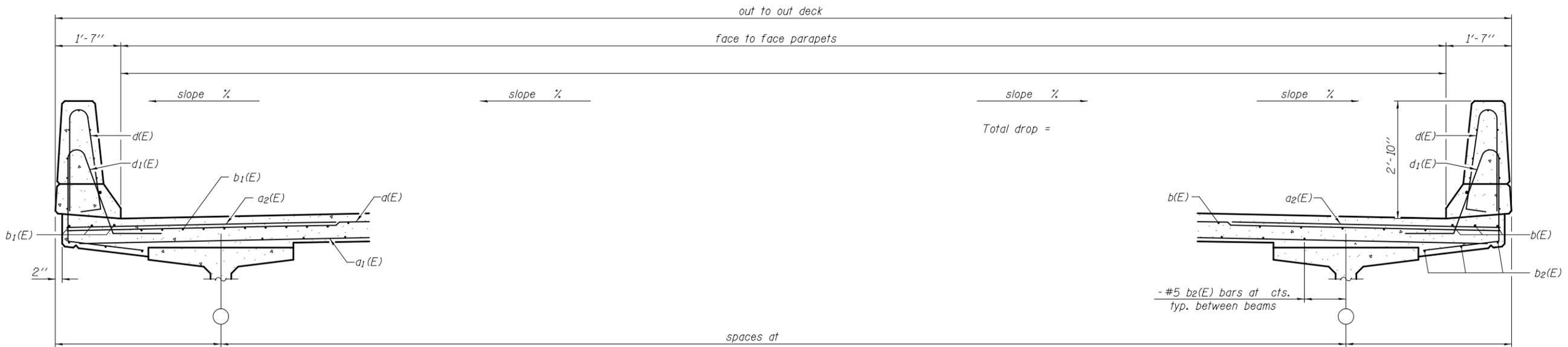


MINIMUM BAR LAP

#5 bar = 3'-6"

PARTIAL PLAN

Notes:
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Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



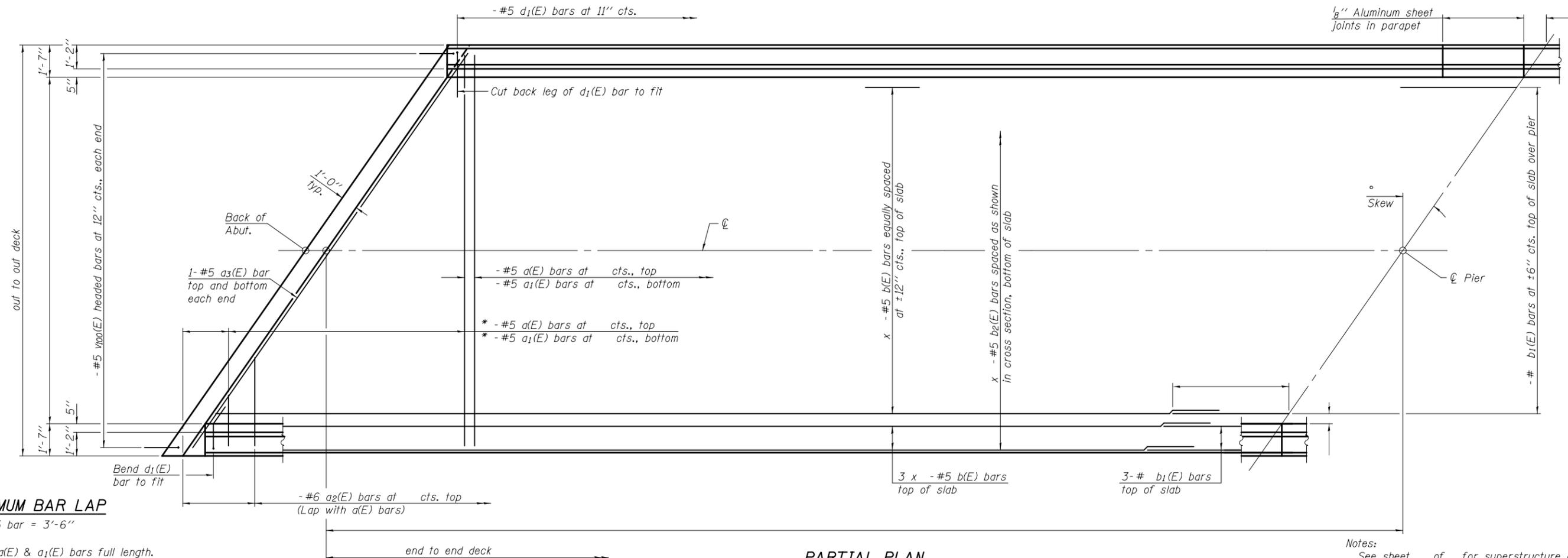
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-BT6372-2-0 10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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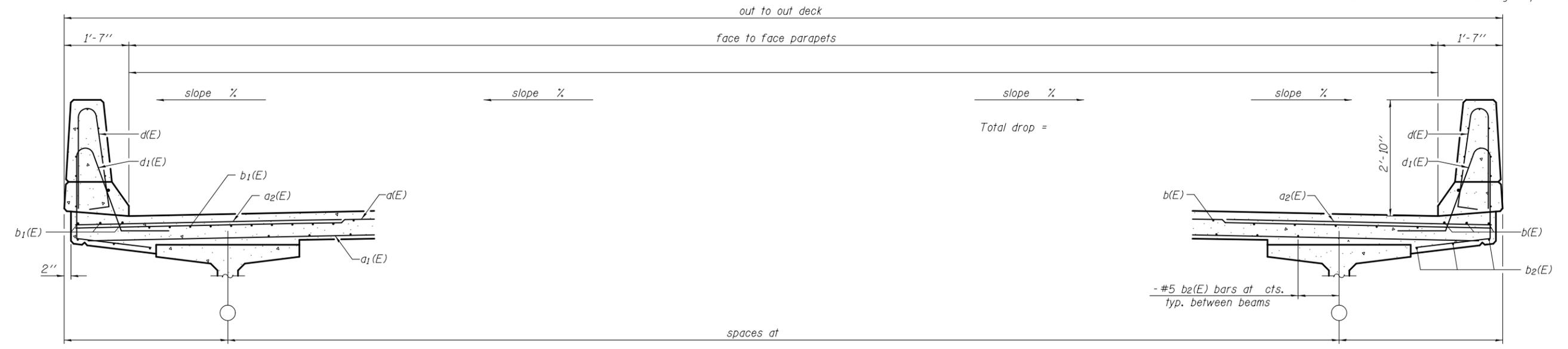
MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

PARTIAL PLAN

Notes:
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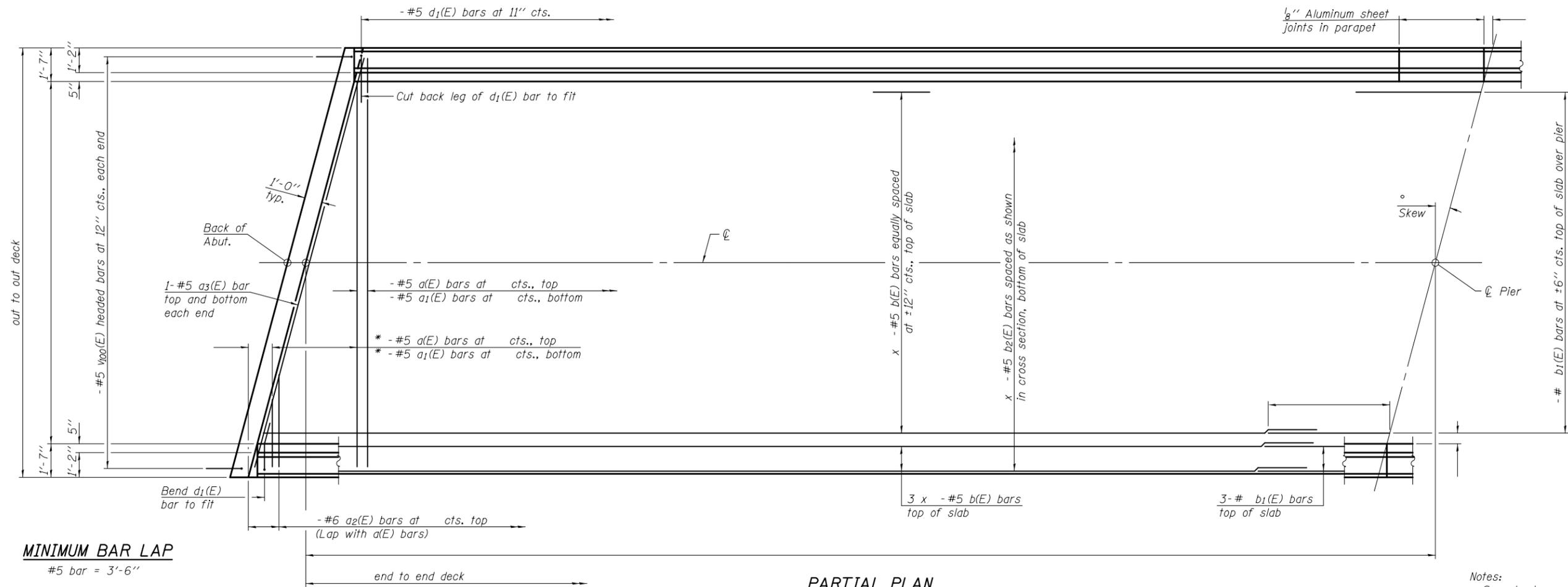
NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-BT6372-2-L(>30°) 10-7-2016

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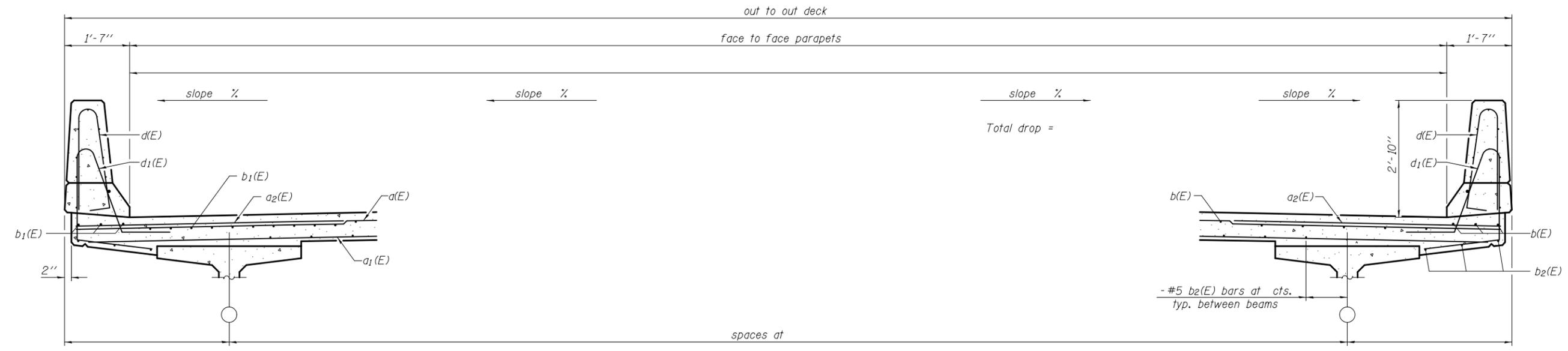
PARTIAL PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

Notes:
See sheet of for superstructure details and Bill of Material.
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NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-BT6372-2-L(30°) 10-7-2016

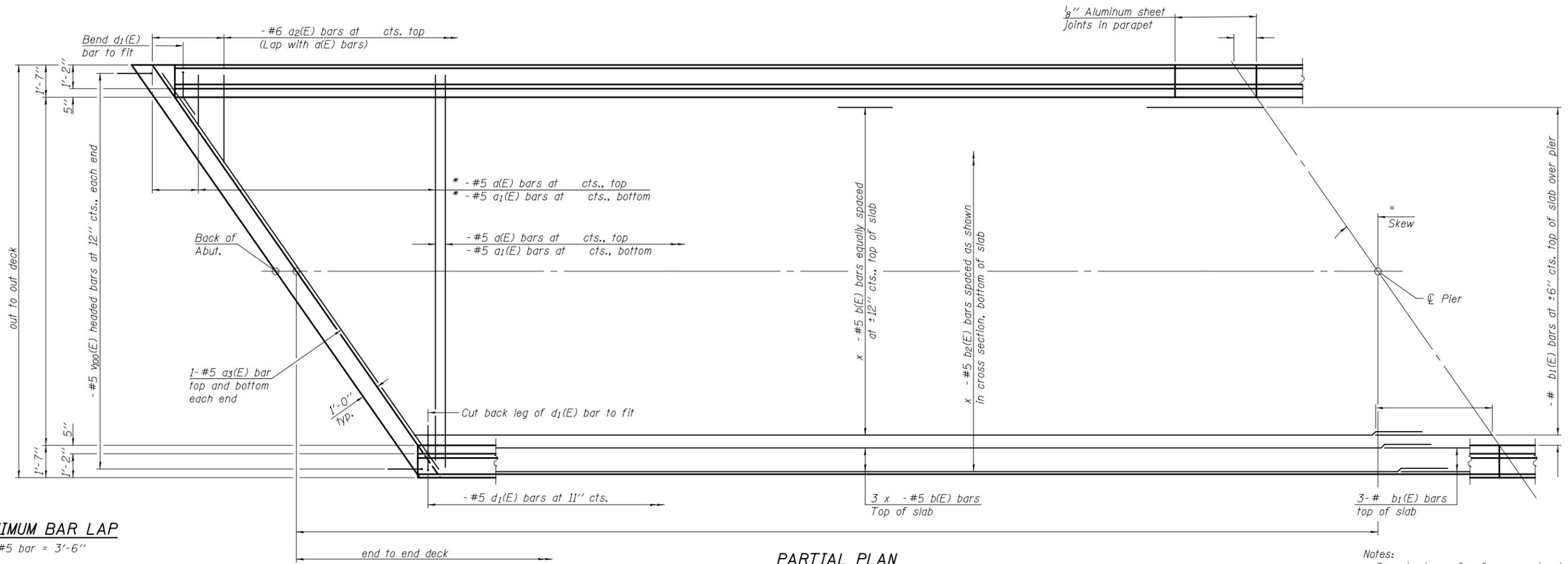
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

ILLINOIS FED. AID PROJECT



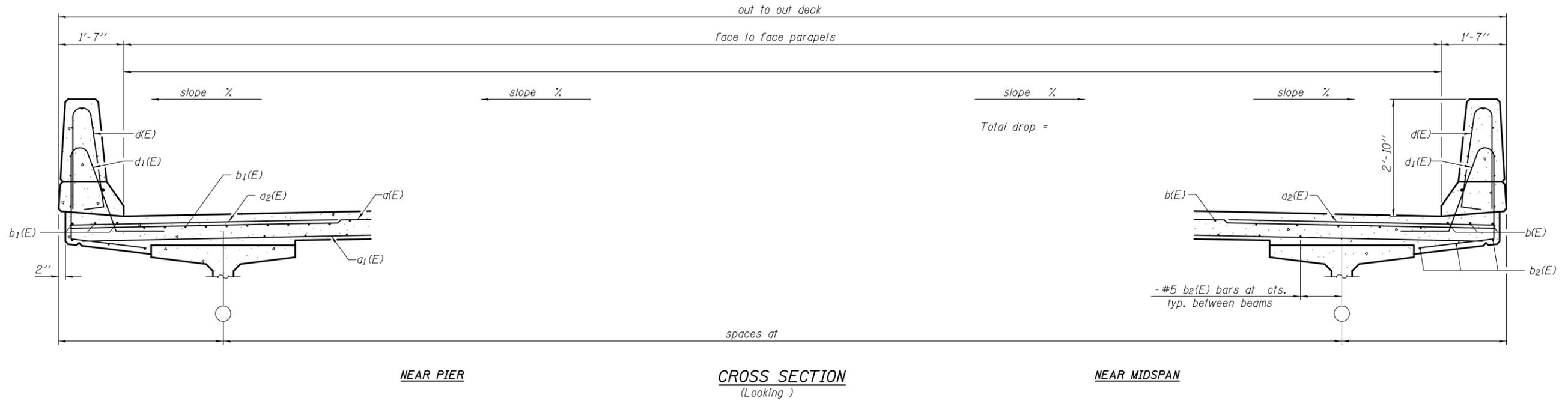
MINIMUM BAR LAP

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PARTIAL PLAN

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Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

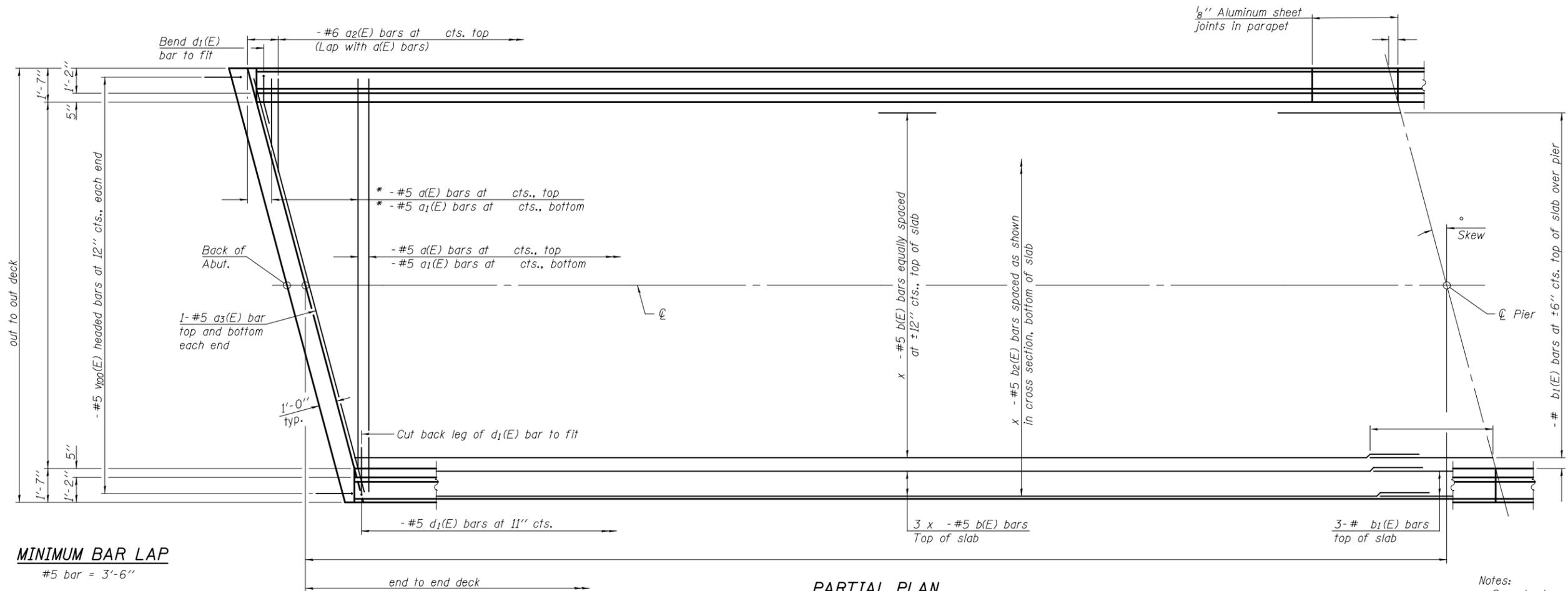
SI-BT6372-2-R(>30°) 10-7-2016

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



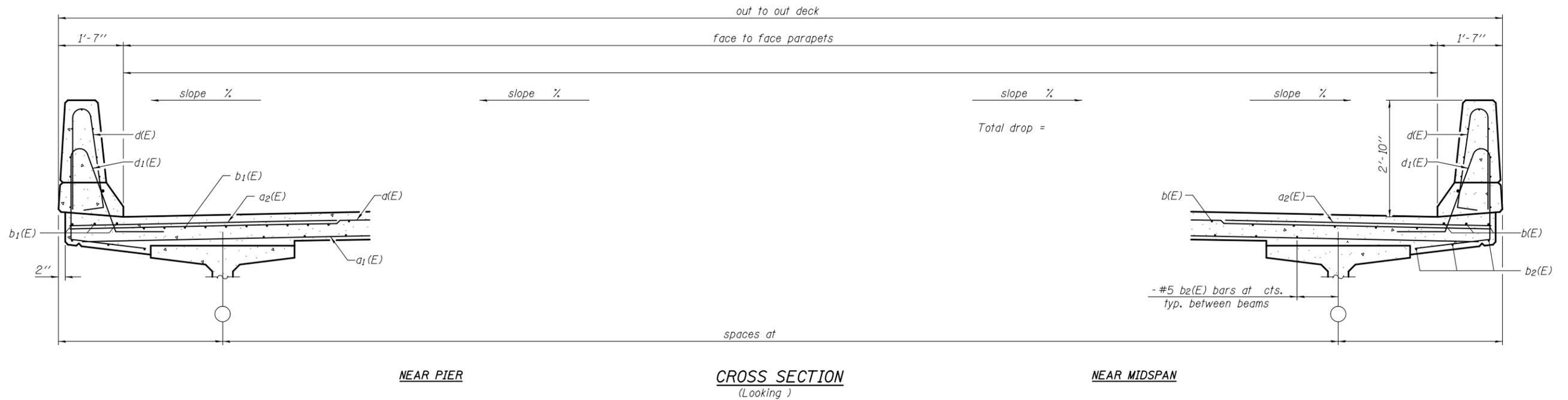
MINIMUM BAR LAP

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PARTIAL PLAN

Notes:
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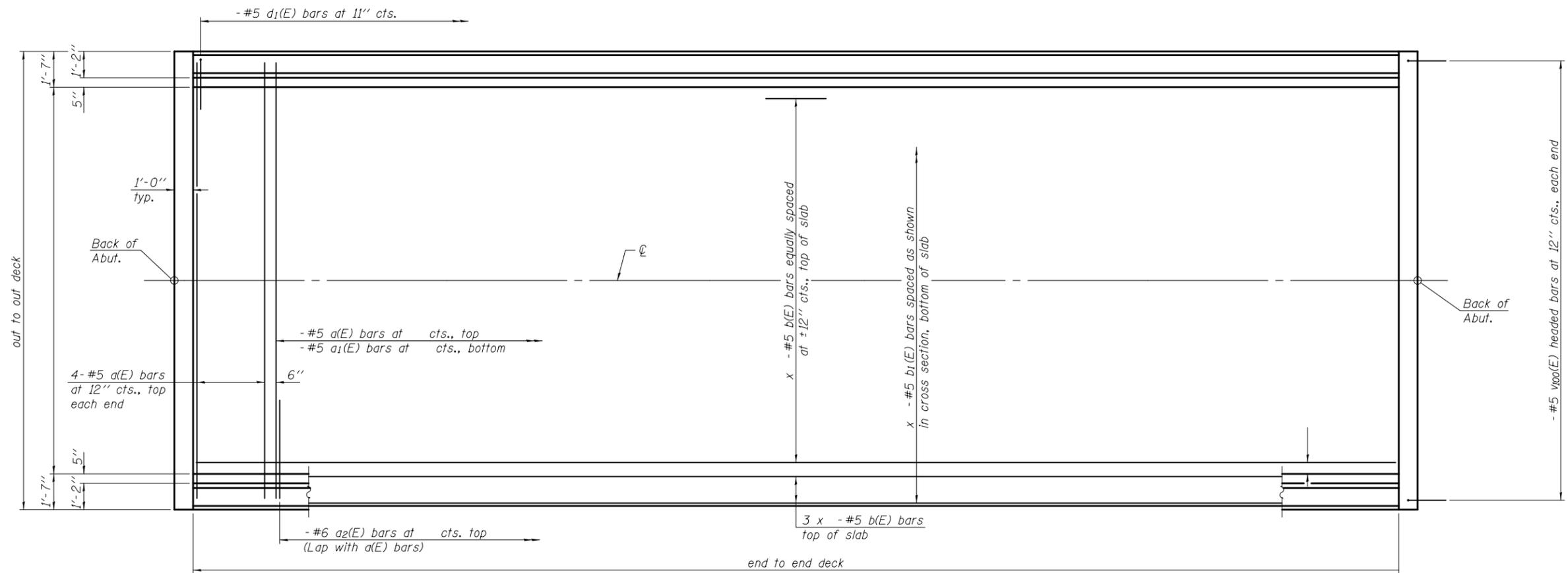
SI-BT6372-2-R(30°) 10-7-2016

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
STRUCTURE NO.**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS FED. AID PROJECT				

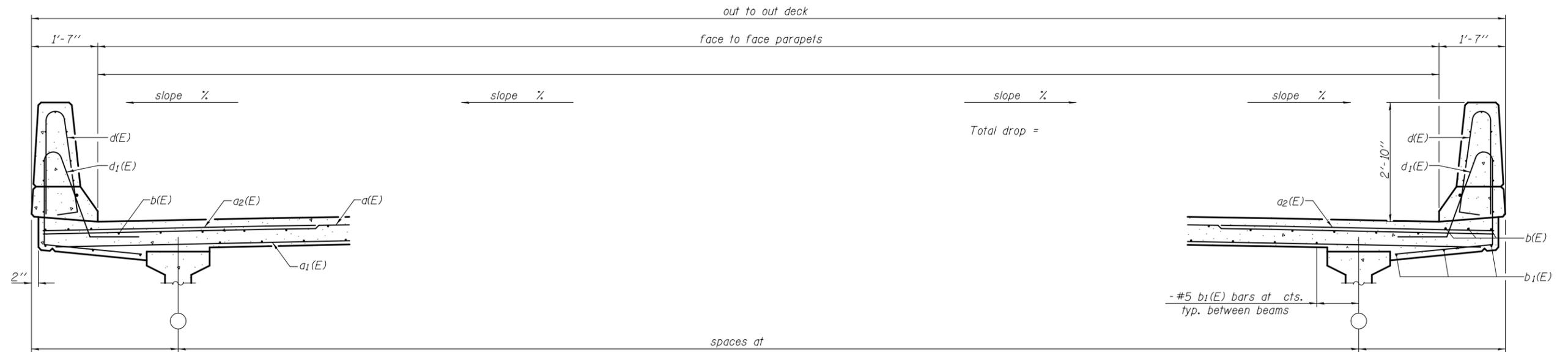


MINIMUM BAR LAP

#5 bar = 3'-6"

PLAN

Notes:
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Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



CROSS SECTION
(Looking)

SI-13654-1-0

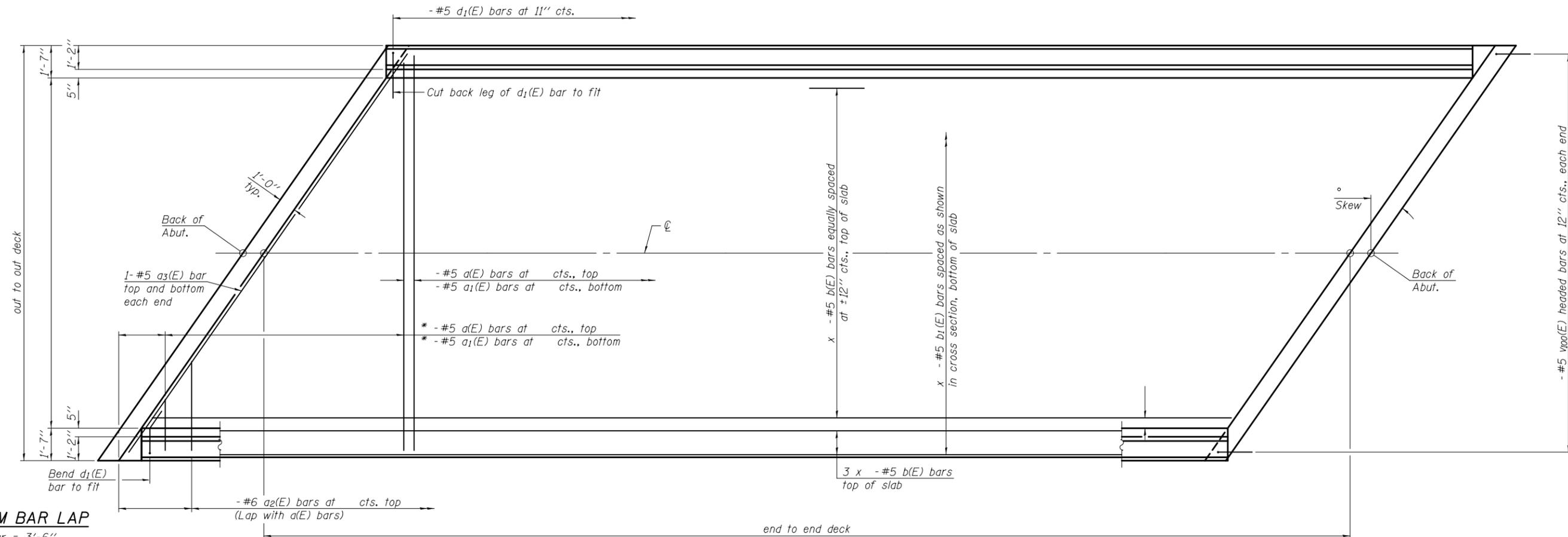
10-7-2016

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



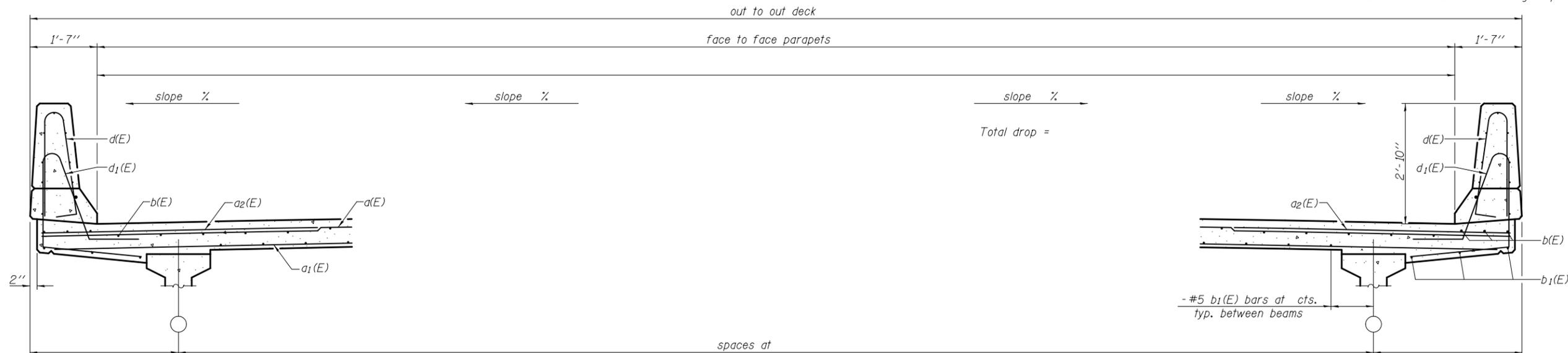
MINIMUM BAR LAP

#5 bar = 3'-6"

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Cut to fit skew and use remainder of bars in opposite end.

PLAN

Notes:
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CROSS SECTION

(Looking)

SI-13654-1-L(>30°)

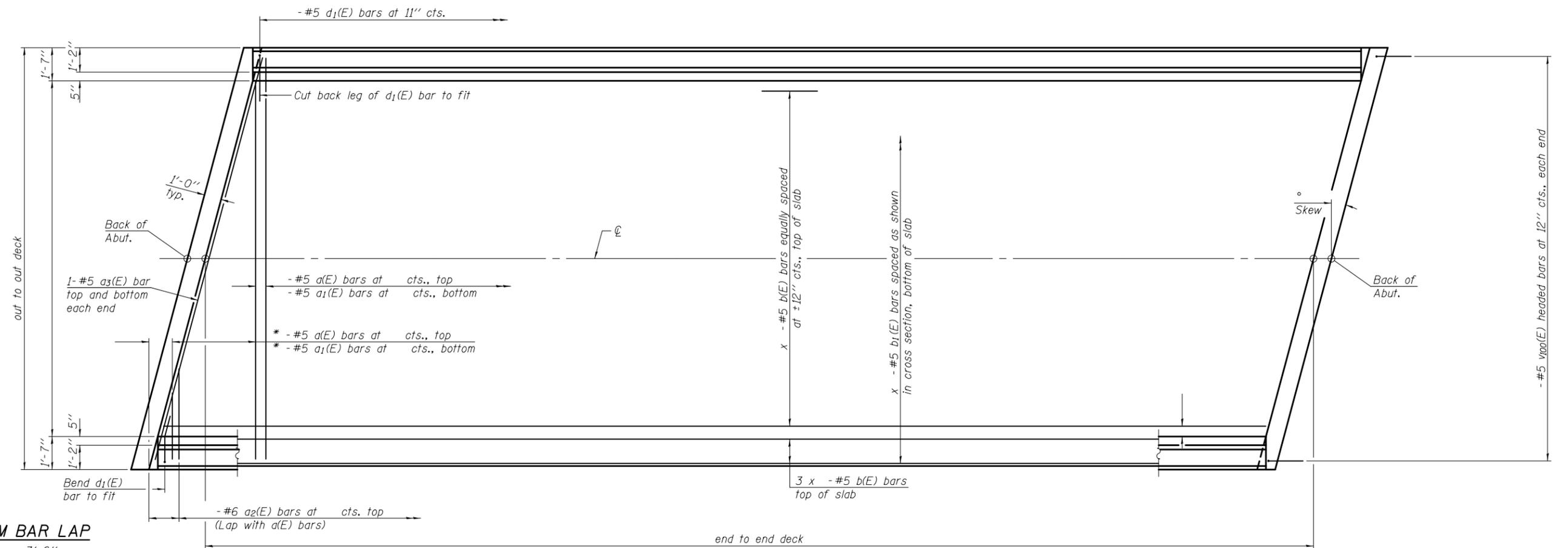
10-7-2016

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		CHECKED -	REVISED -

**STATE OF ILLINOIS
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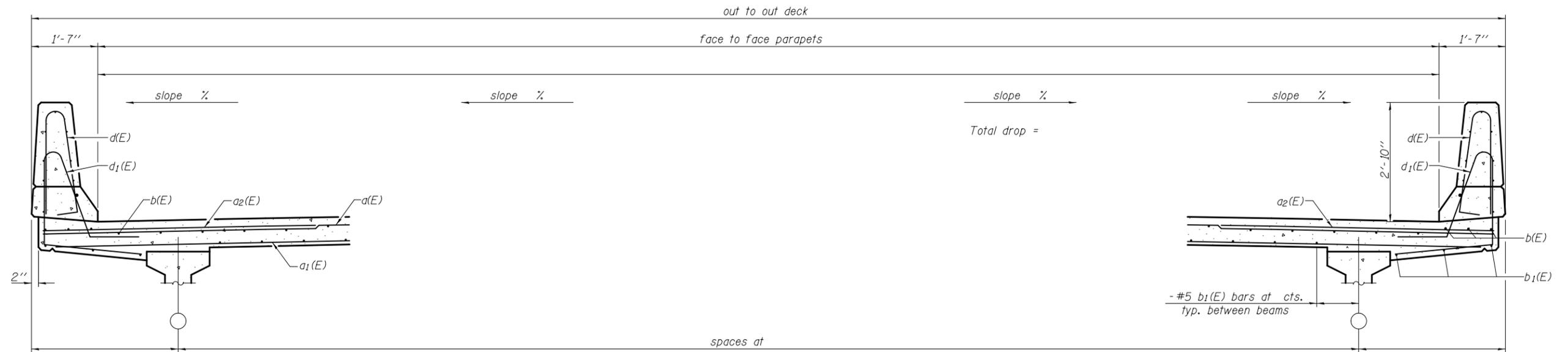
MINIMUM BAR LAP

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PLAN

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CROSS SECTION
(Looking)

SI-13654-1-L(30°)

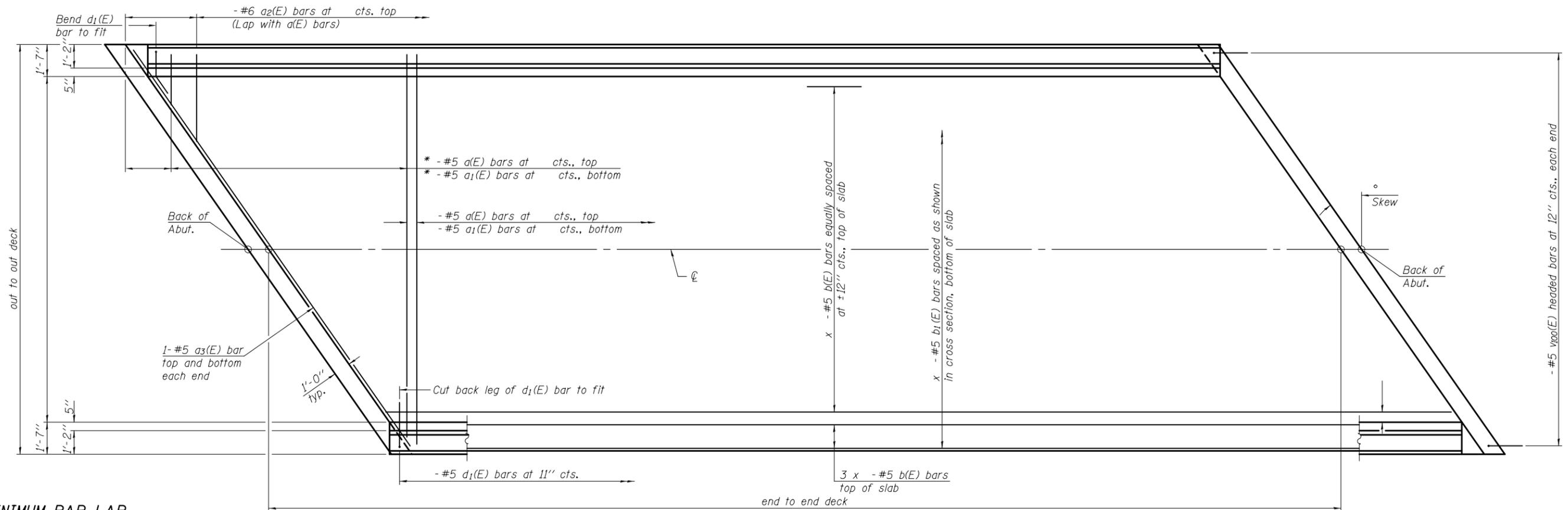
10-7-2016

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STATE OF ILLINOIS
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SUPERSTRUCTURE
STRUCTURE NO.

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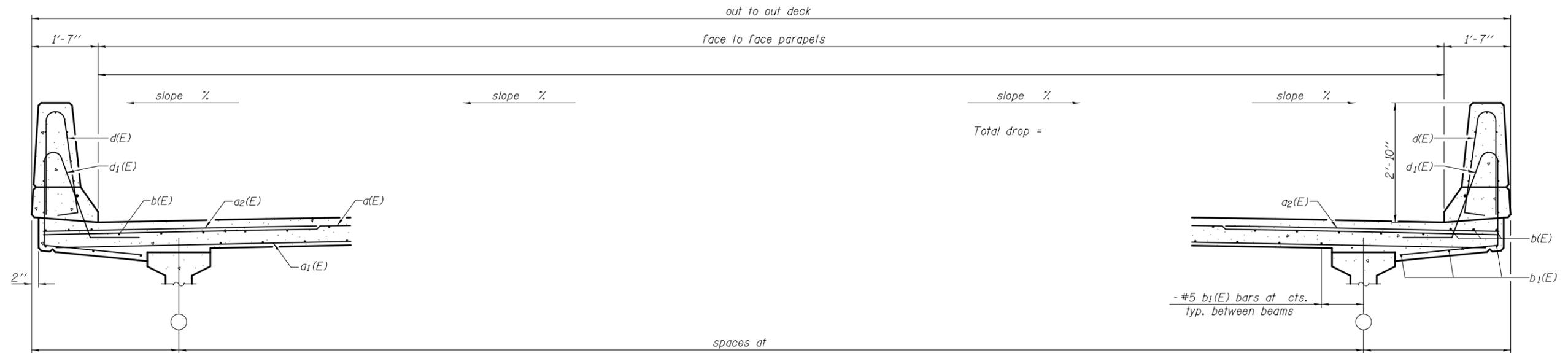
MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a₁(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

PLAN

Notes:
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CROSS SECTION
(Looking)

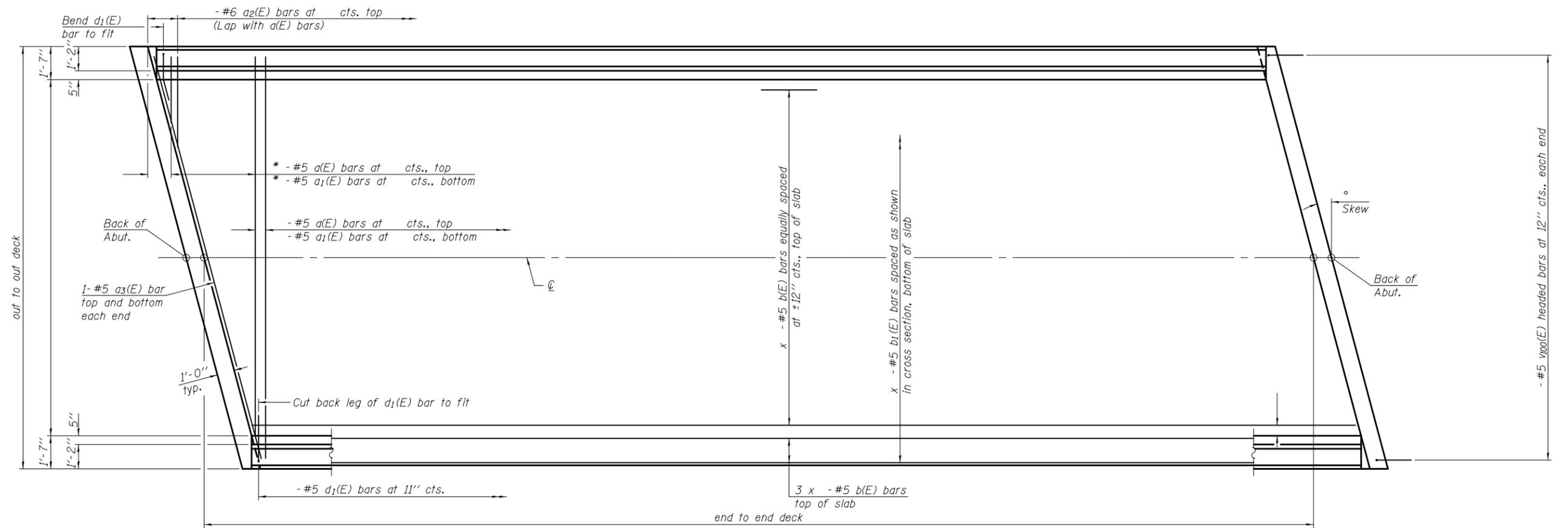
SI- I3654-1-R(>30°) 10-7-2016

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STATE OF ILLINOIS
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SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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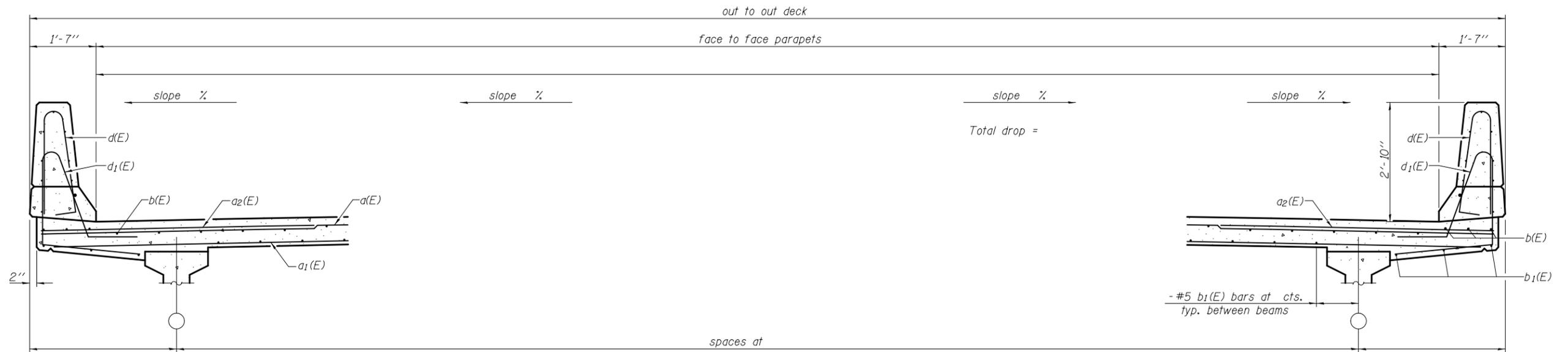
PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

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Cut to fit skew and use remainder of bars in opposite end.

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CROSS SECTION
(Looking)

SI-13654-1-R(30°)

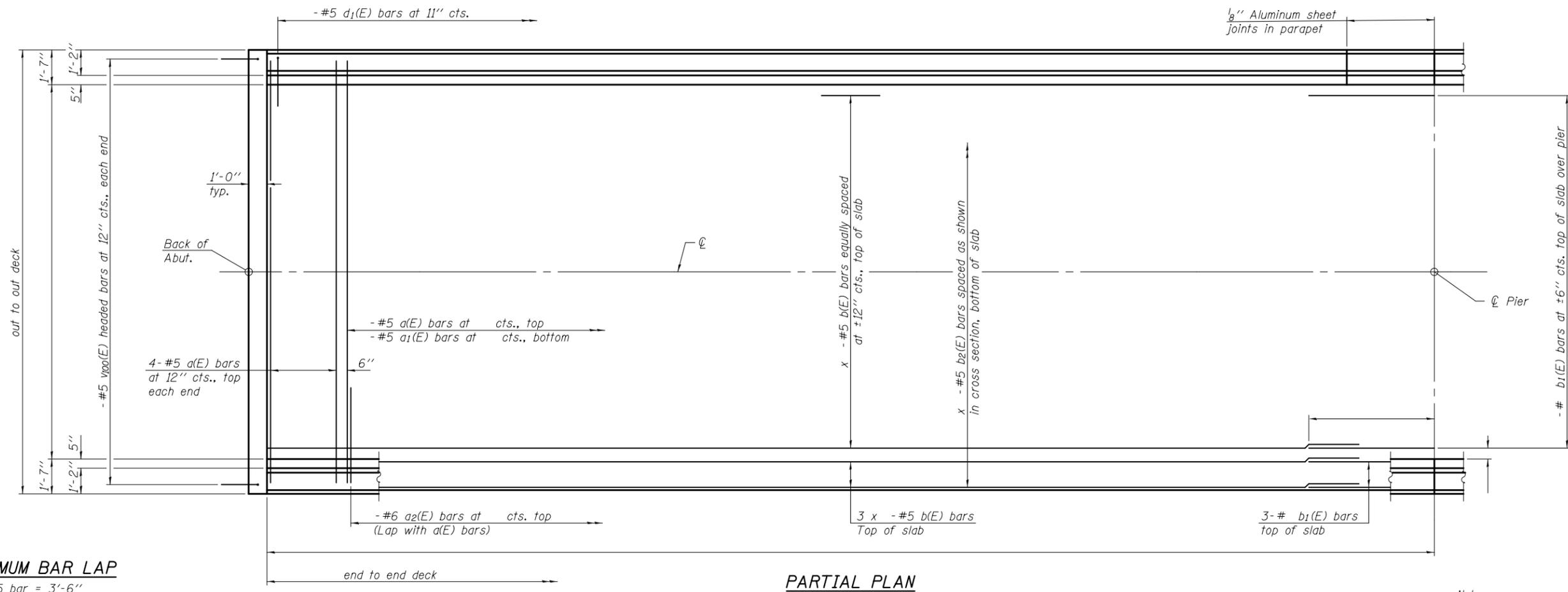
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STATE OF ILLINOIS
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SUPERSTRUCTURE
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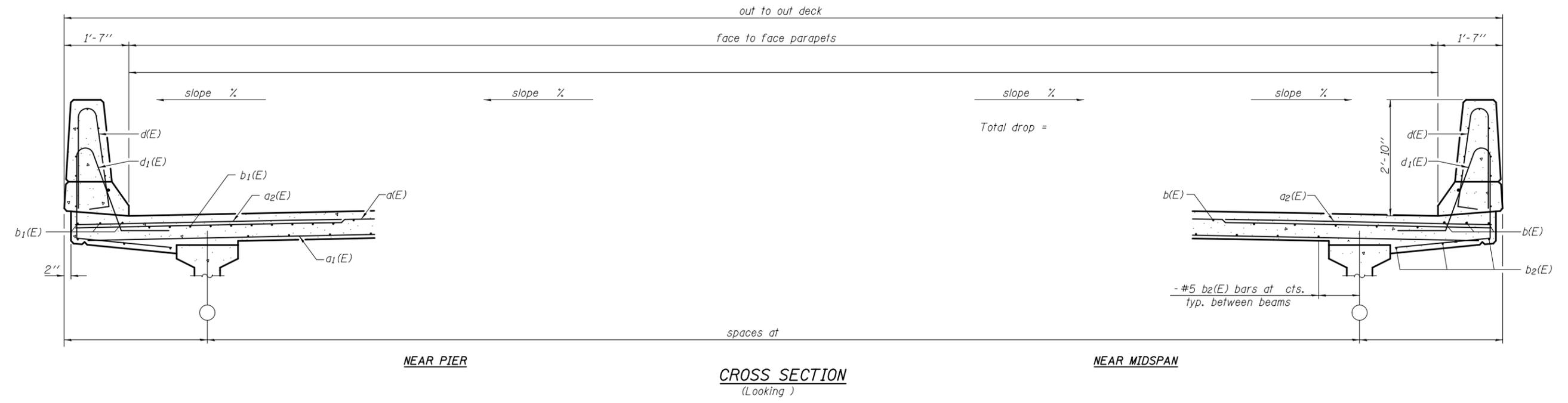


MINIMUM BAR LAP

#5 bar = 3'-6"

PARTIAL PLAN

Notes:
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NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-13654-2-0

10-7-2016

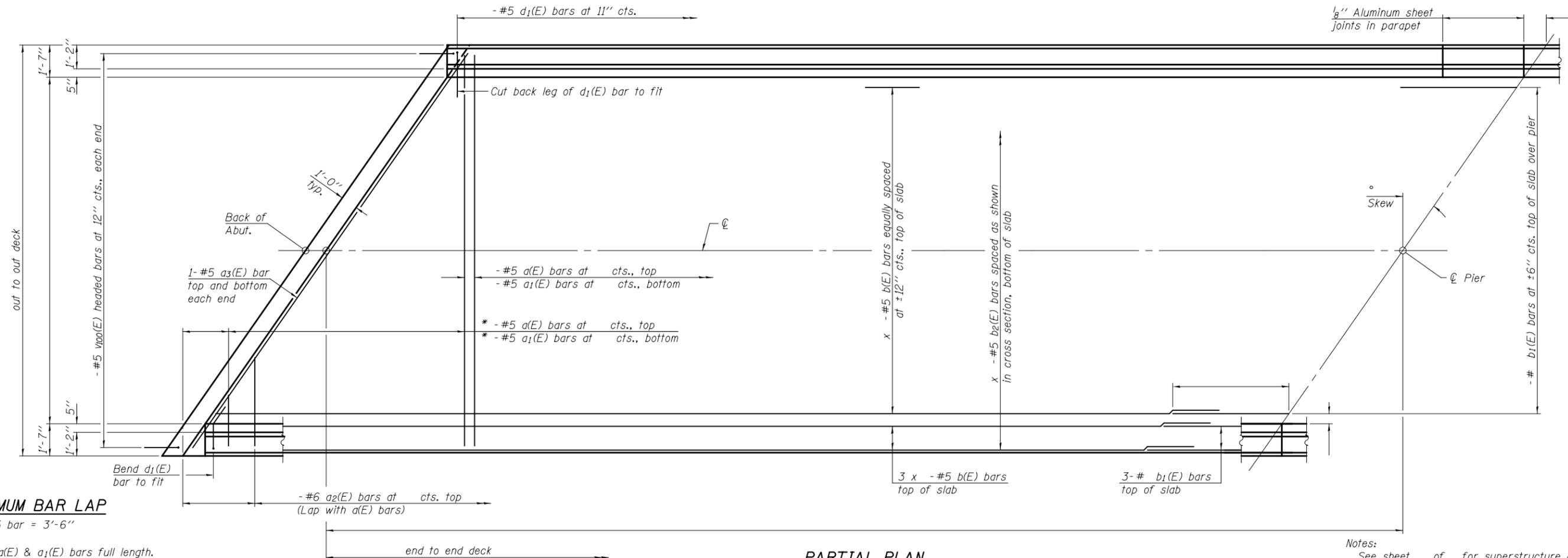
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

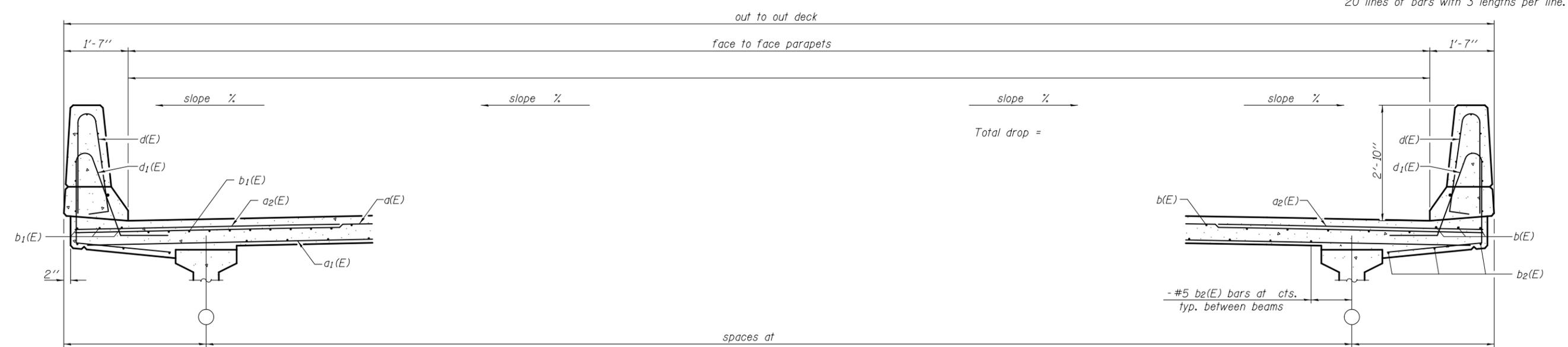
SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

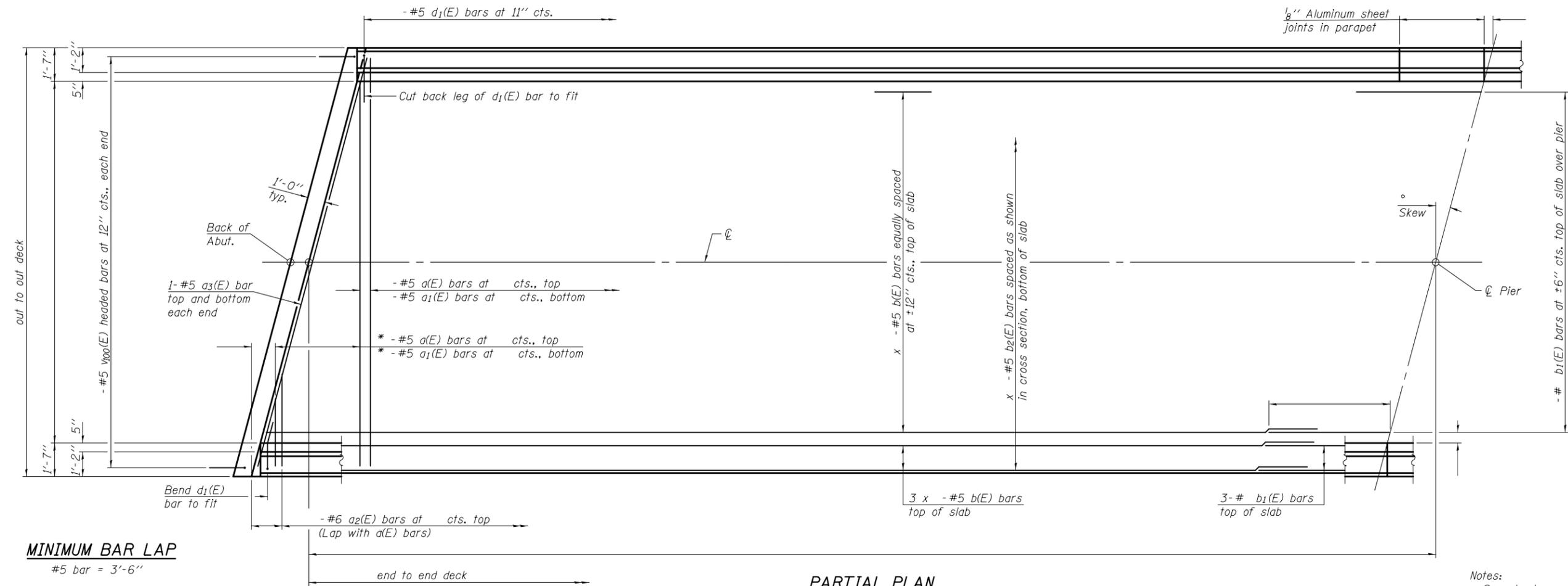


PARTIAL PLAN



SI-13654-2-L(>30°) 10-7-2016

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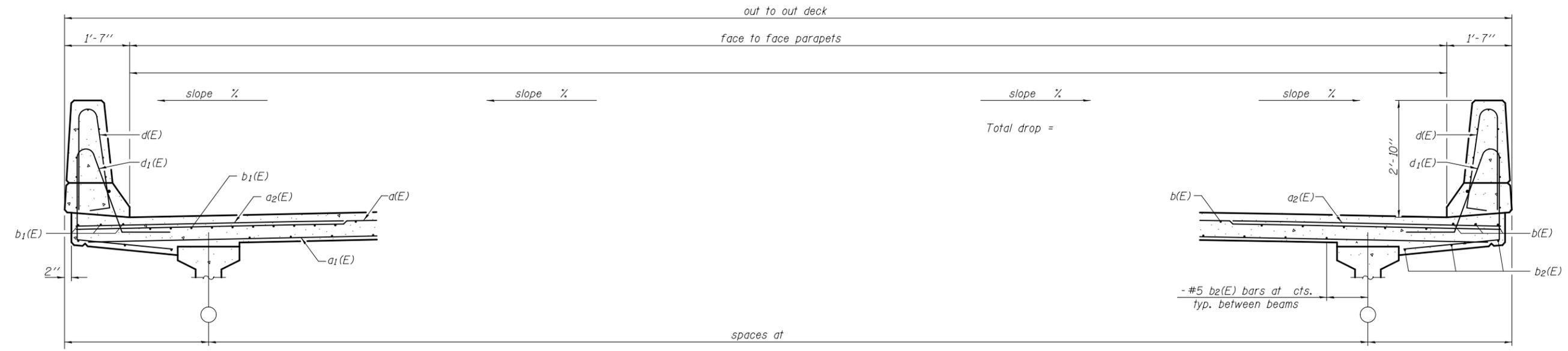
PARTIAL PLAN

MINIMUM BAR LAP

#5 bar = 3'-6"

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CROSS SECTION

(Looking)

SI-13654-2-L(30°) 10-7-2016

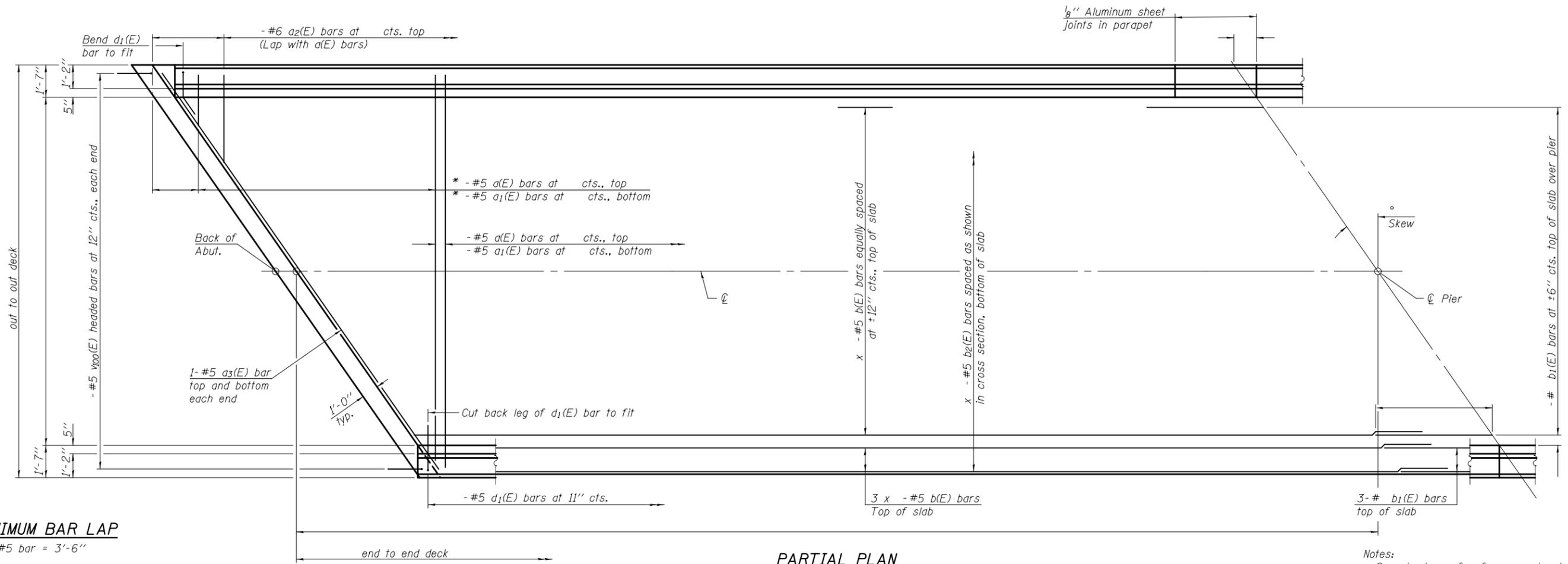
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		CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
STRUCTURE NO.**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				

ILLINOIS FED. AID PROJECT



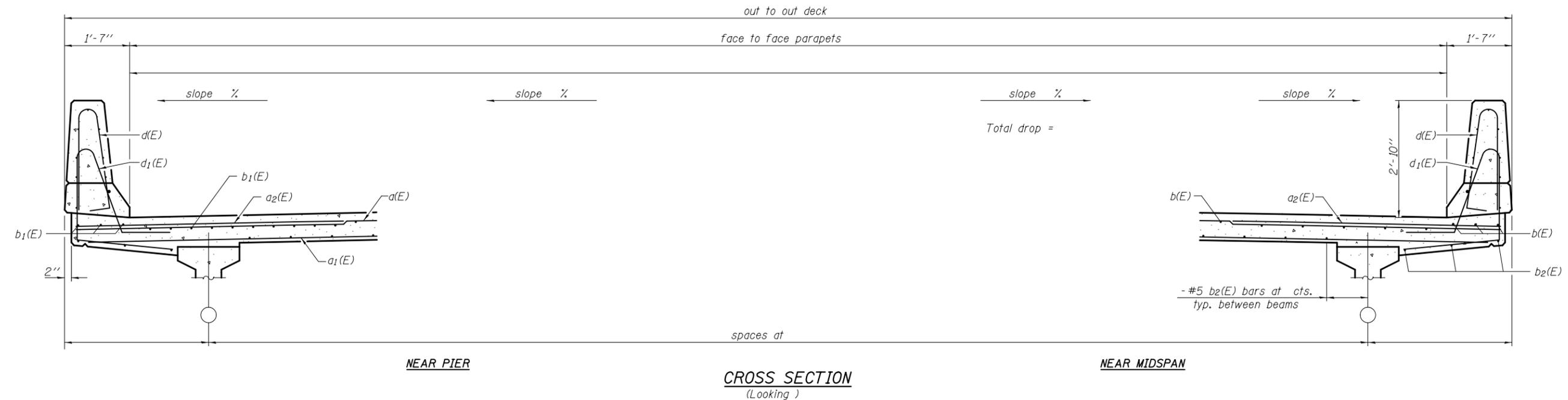
MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

PARTIAL PLAN

Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

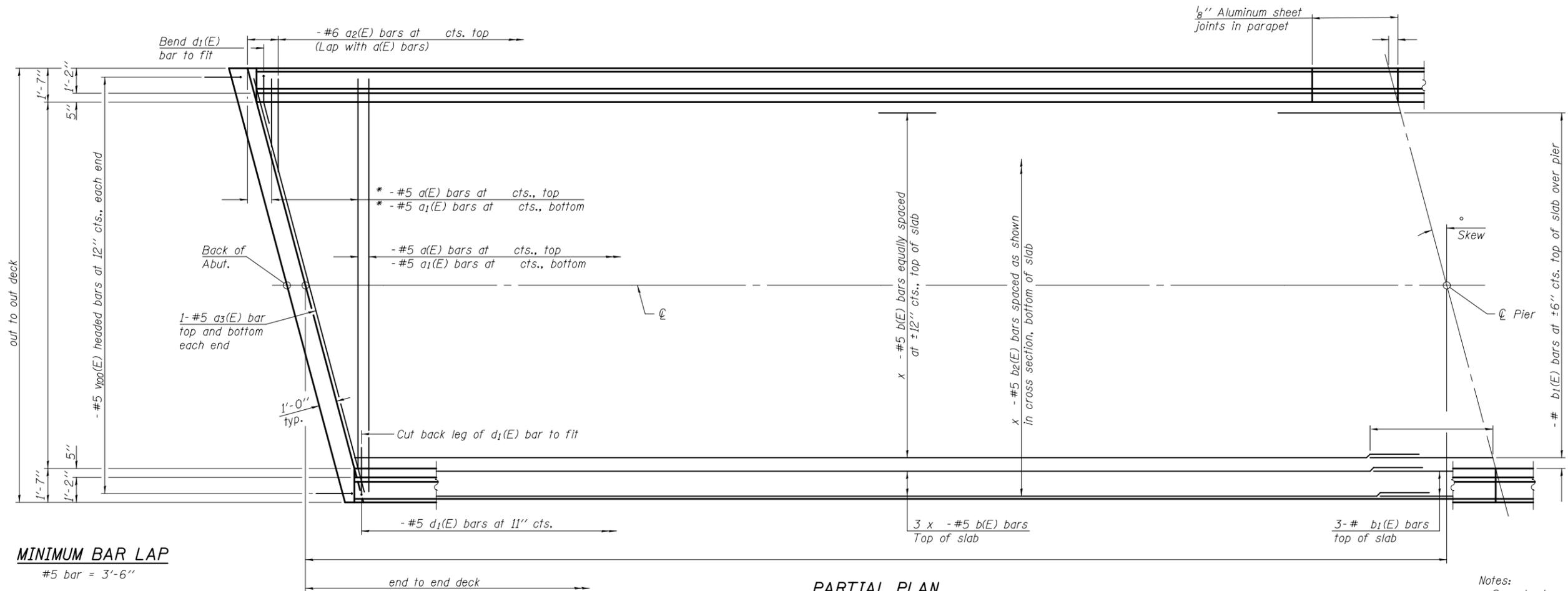
SI-13654-2-R(>30°) 10-7-2016

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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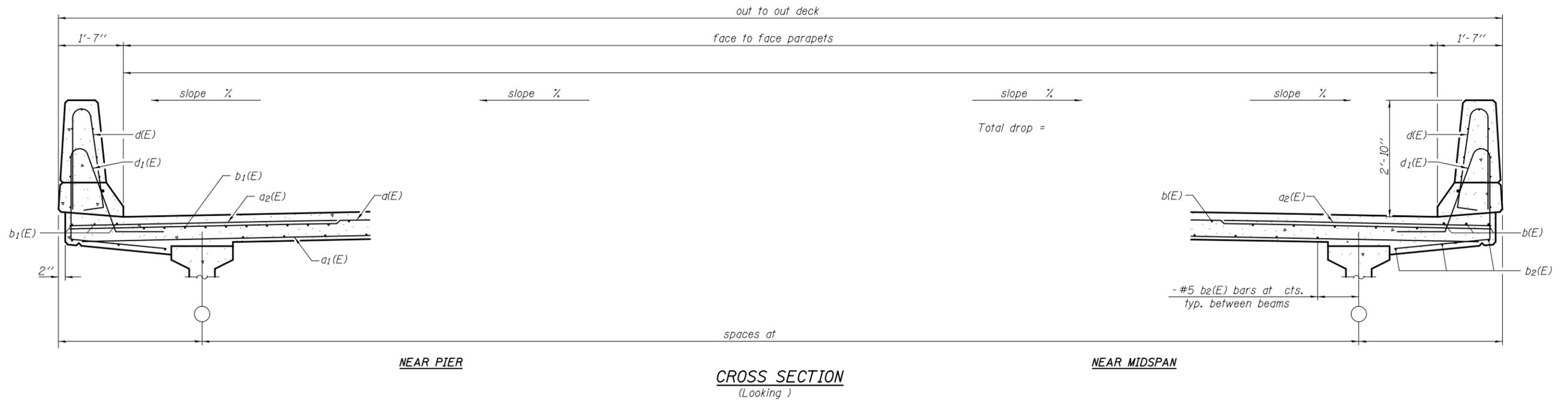
PARTIAL PLAN

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CROSS SECTION
(Looking)

NEAR PIER

NEAR MIDSPAN

SI-13654-2-R(30°)

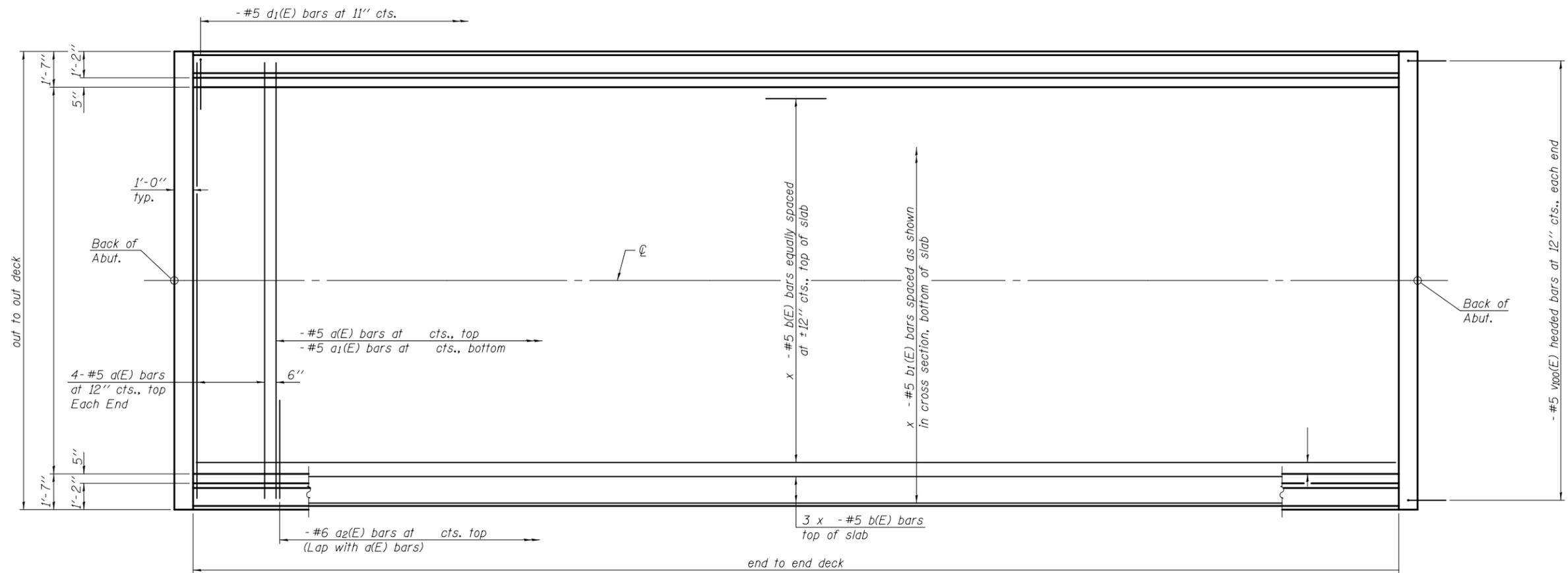
10-7-2016

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STATE OF ILLINOIS
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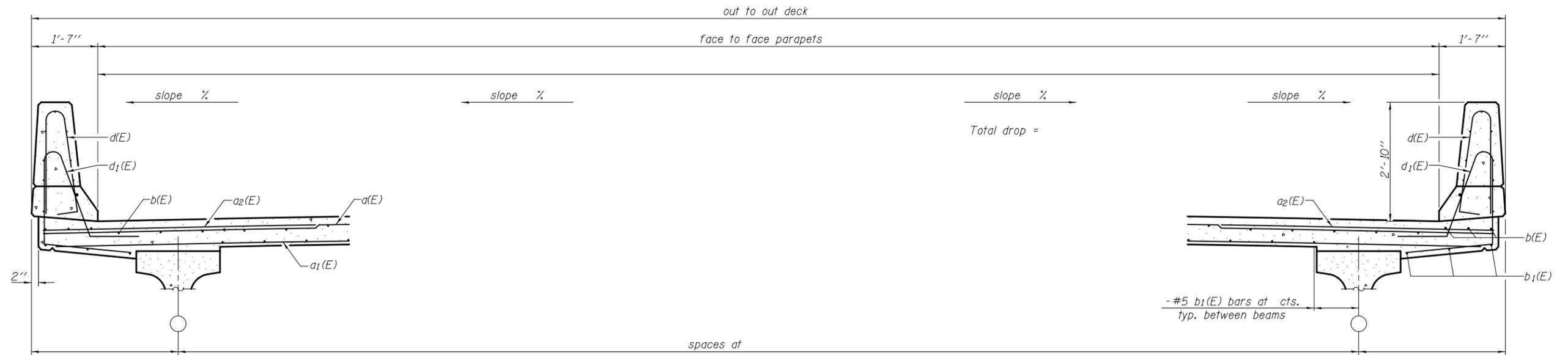


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CROSS SECTION
(Looking)

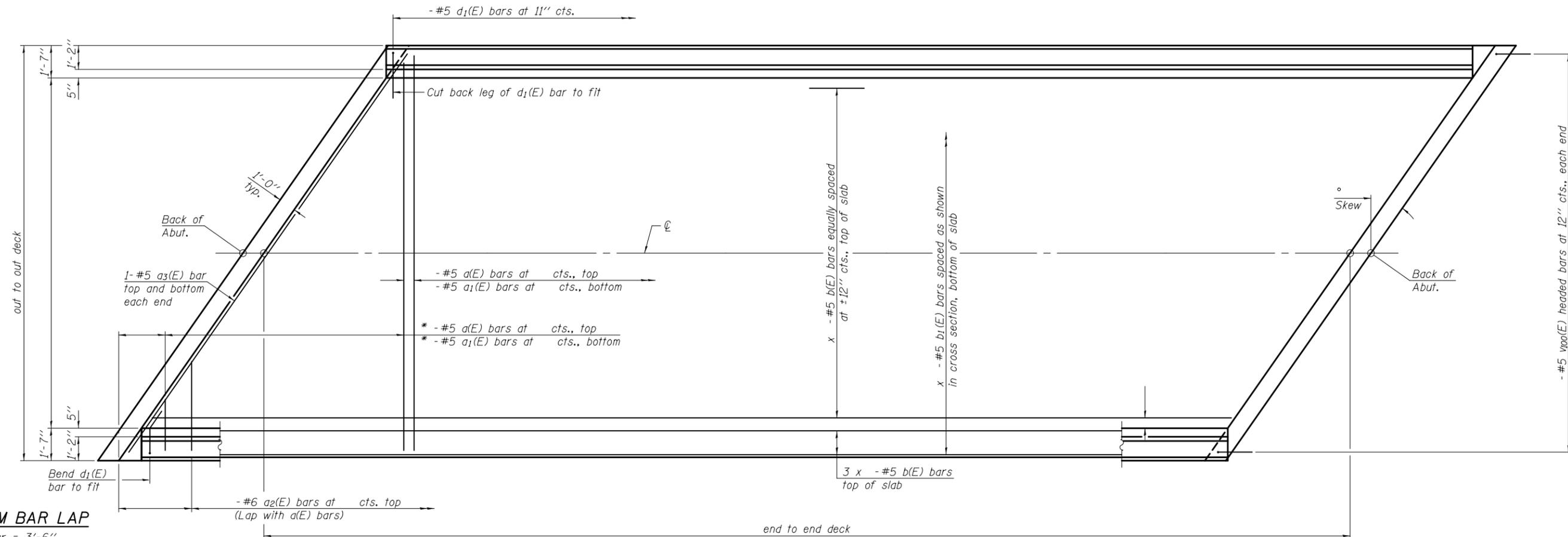
SI-IL2772N-1-0 10-7-2016

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	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
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STRUCTURE NO.

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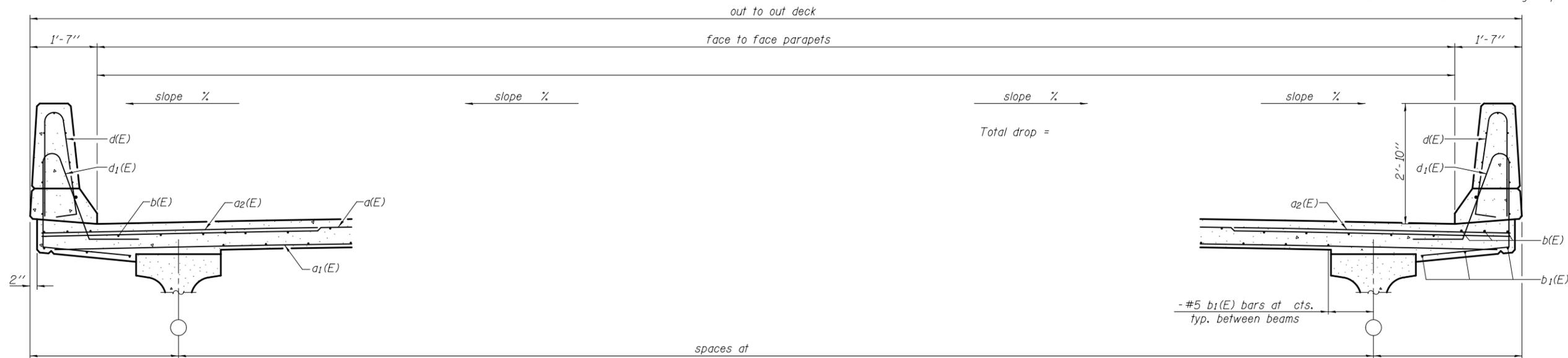
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(Looking)

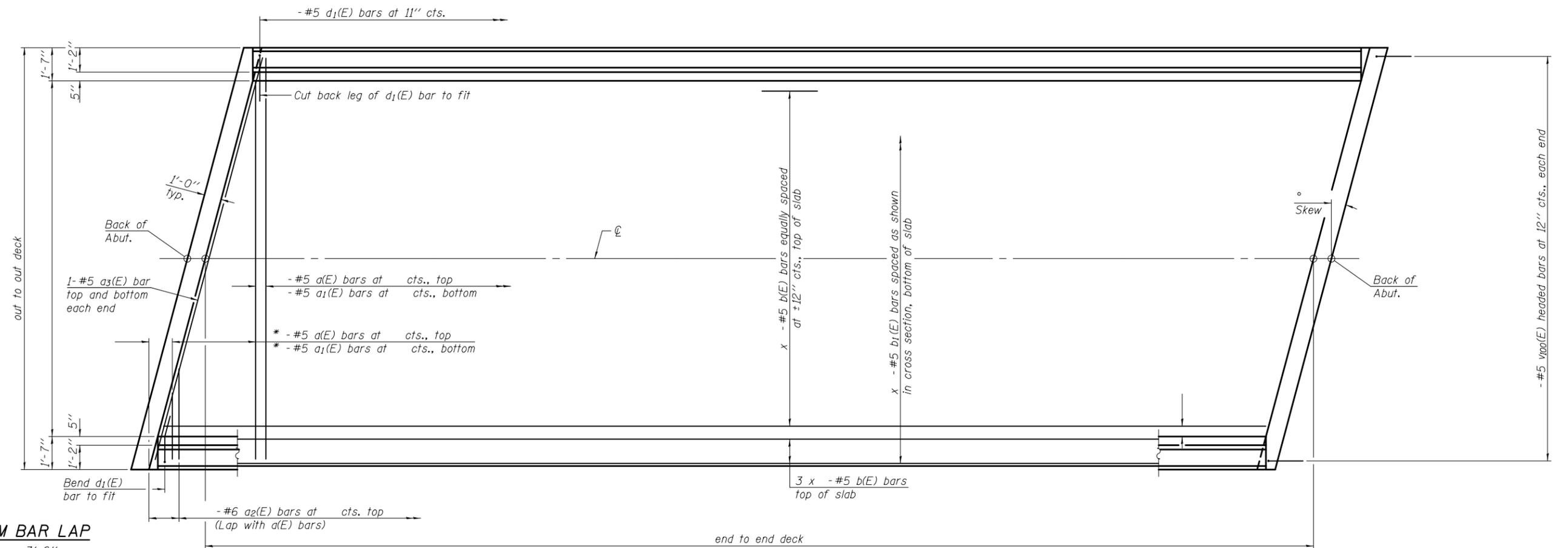
SI-IL2772N-1-L(>30°) 10-7-2016

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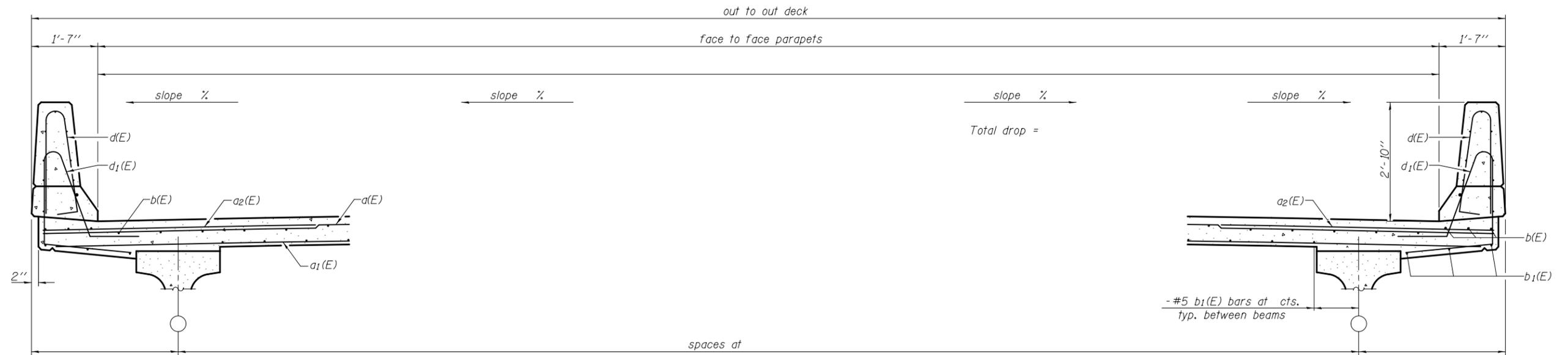
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CROSS SECTION
(Looking)

SI-IL2772N-1-L(30°) 10-7-2016

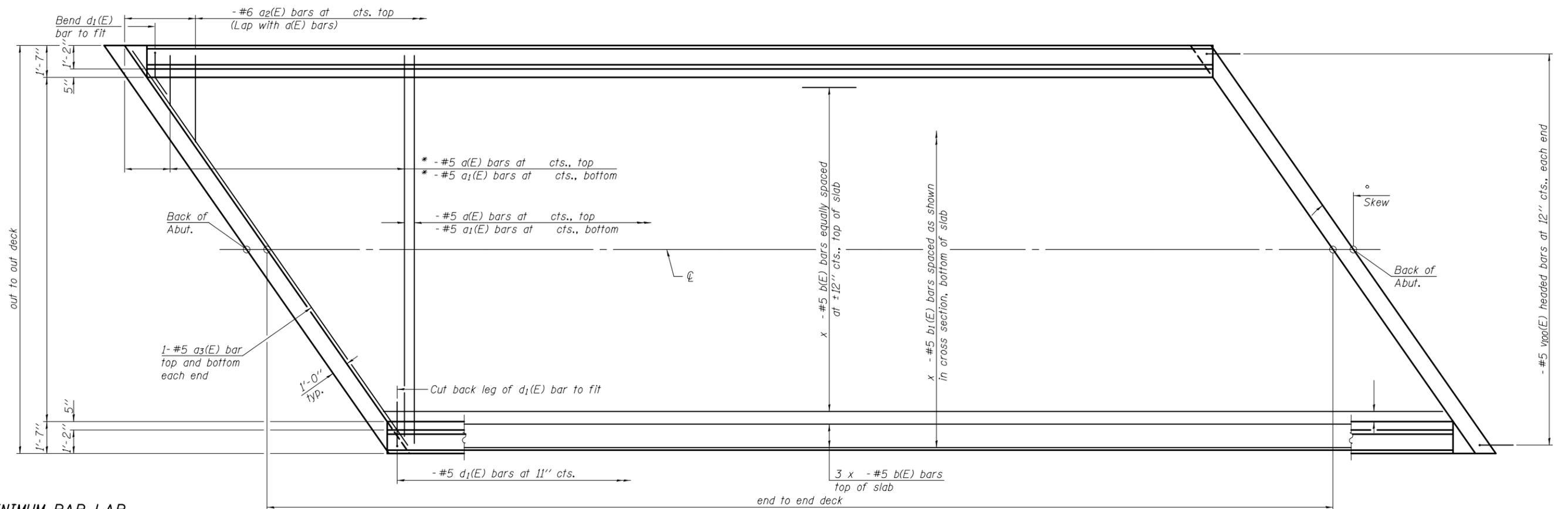
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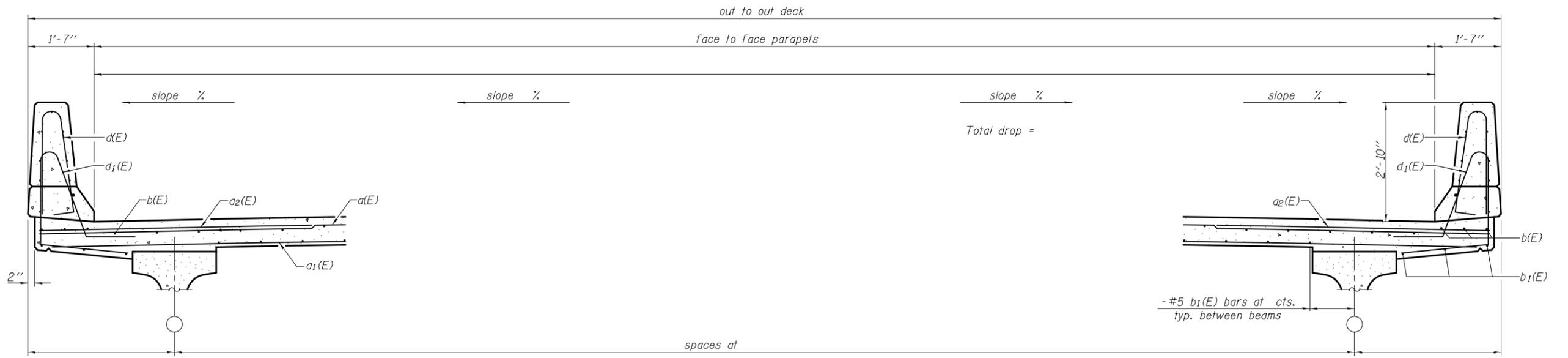
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CROSS SECTION
(Looking)

SI-IL2772N-1-R(>30°) 10-7-2016

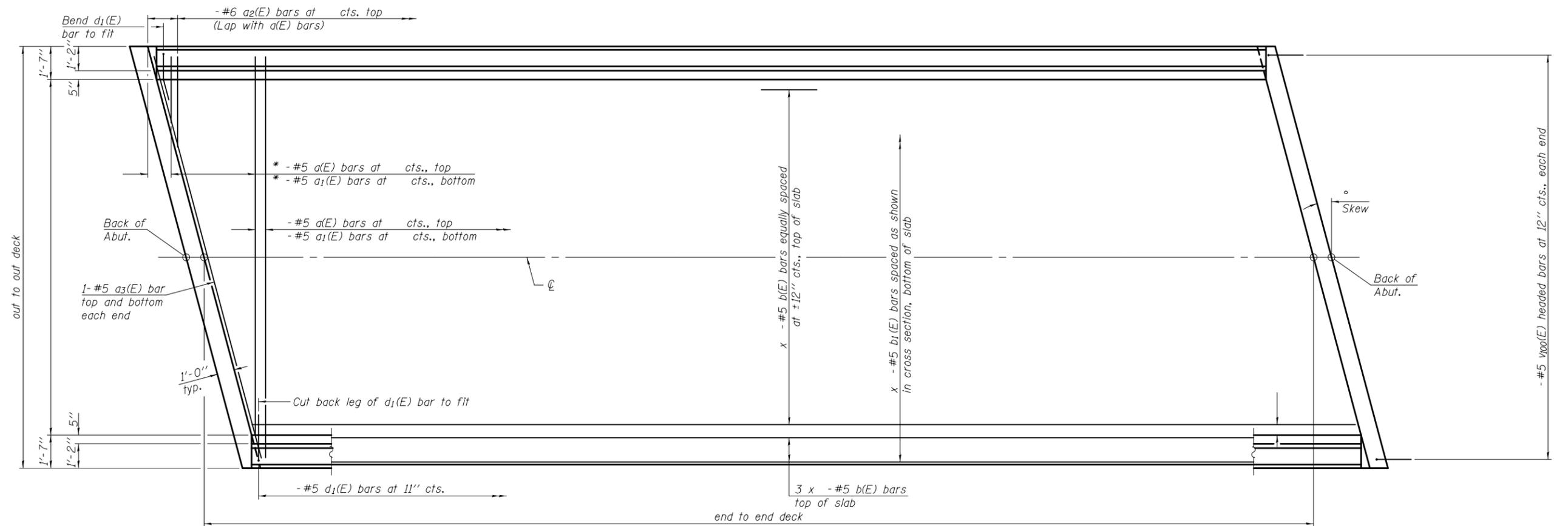
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STRUCTURE NO.

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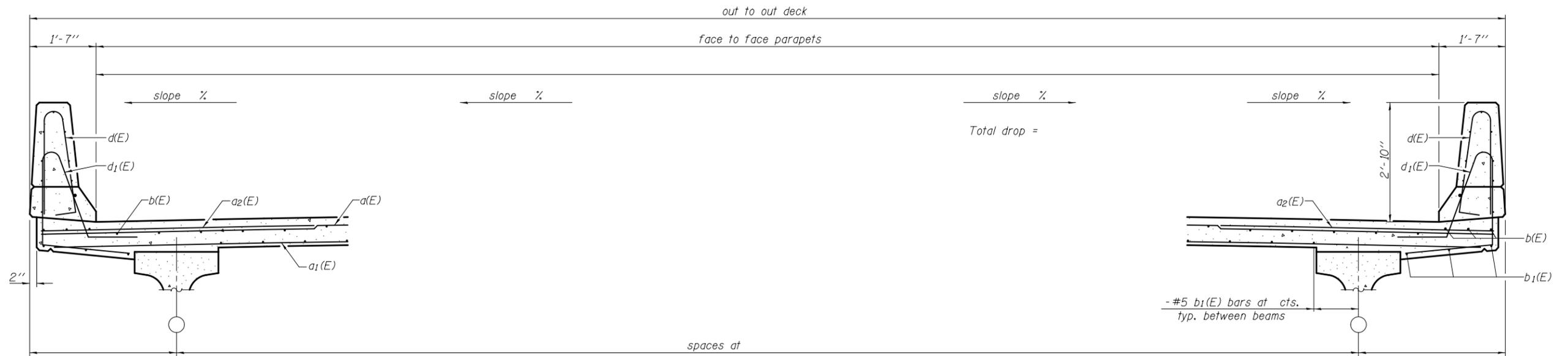
PLAN

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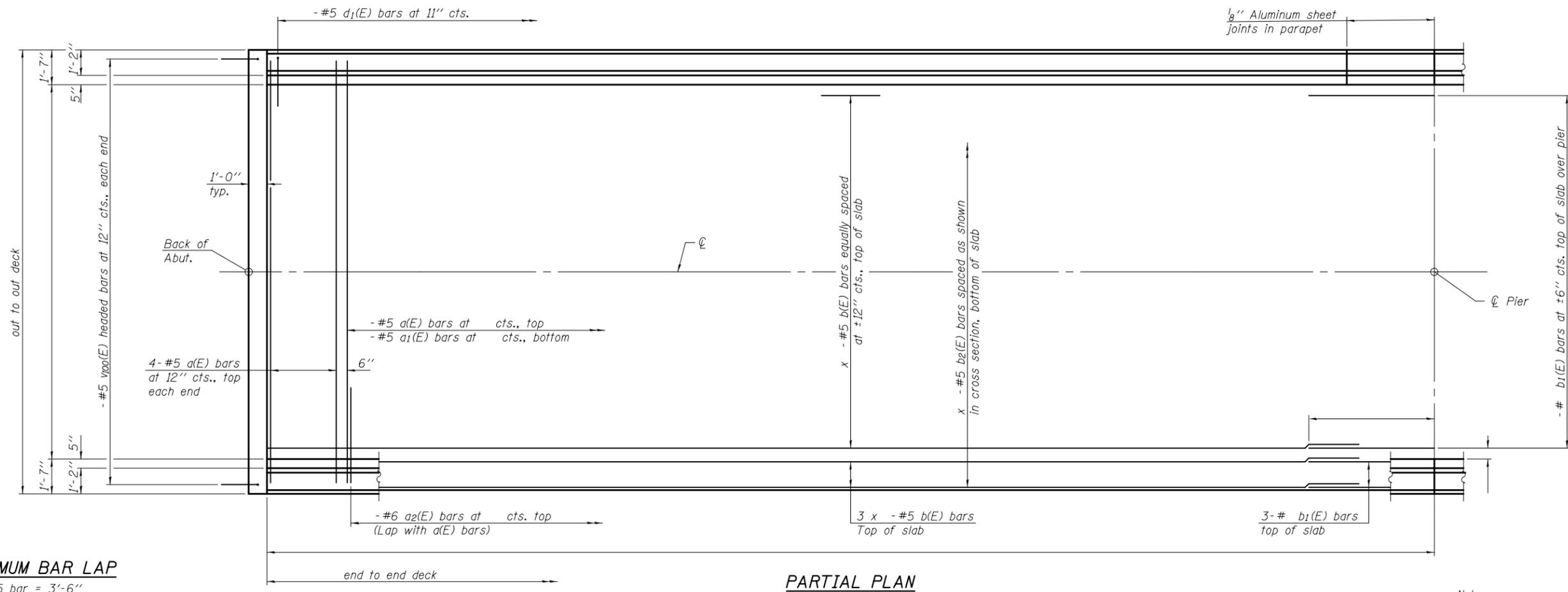
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CROSS SECTION
(Looking)

SI-IL2772N-1-R(30°) 10-7-2016

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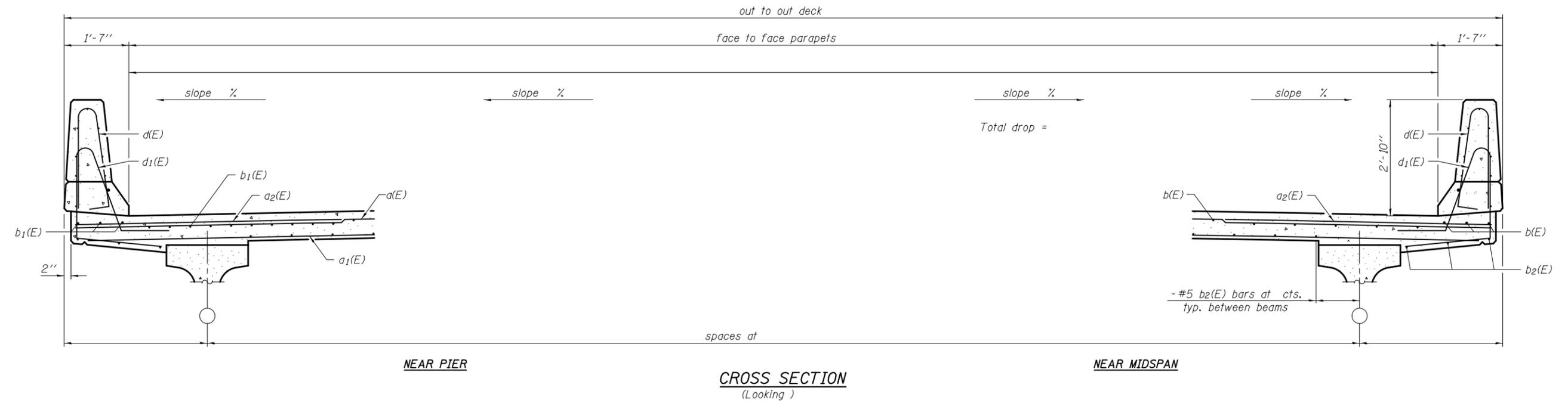


MINIMUM BAR LAP

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PARTIAL PLAN

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NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-IL2772N-2-0 10-7-2016

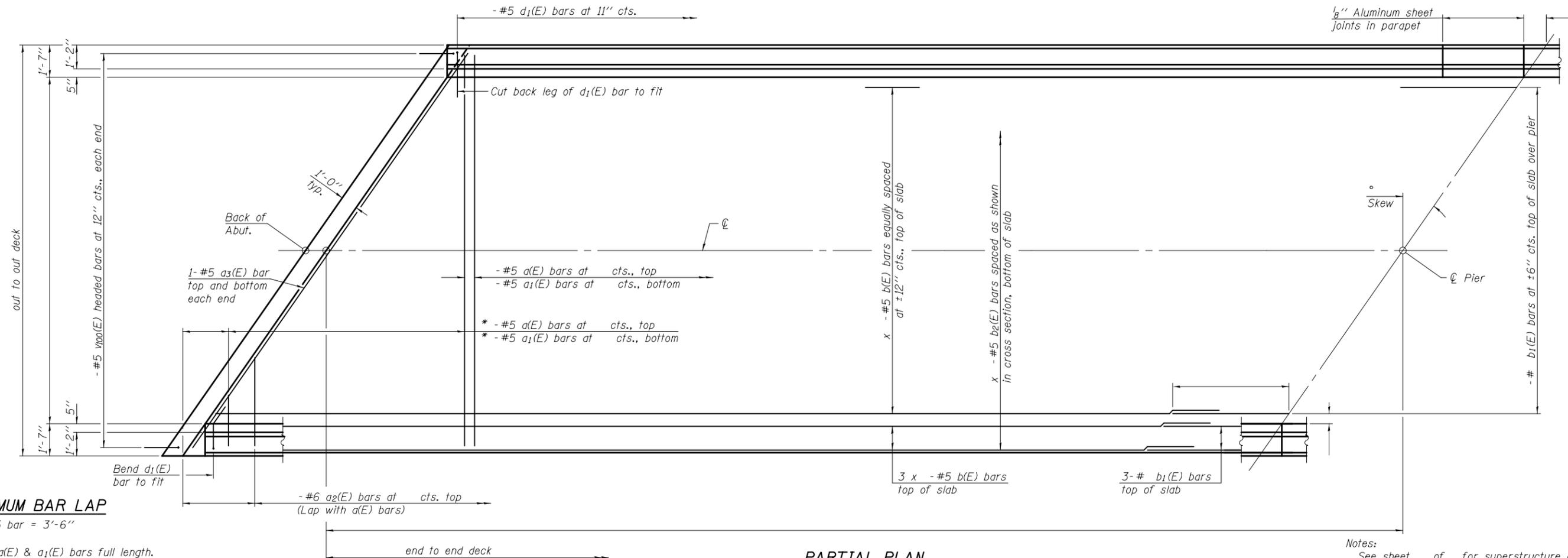
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STATE OF ILLINOIS
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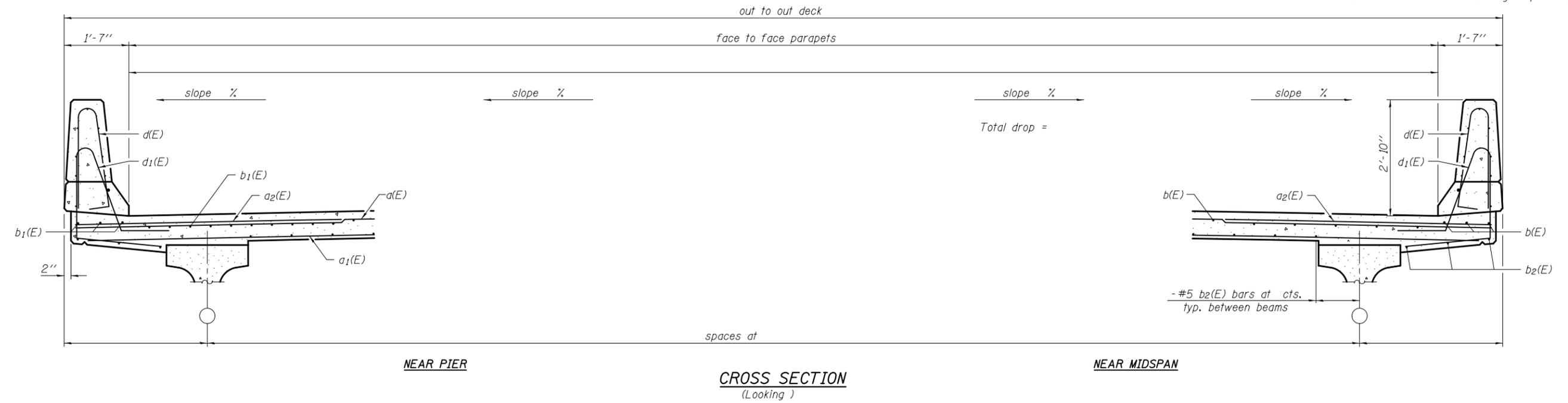
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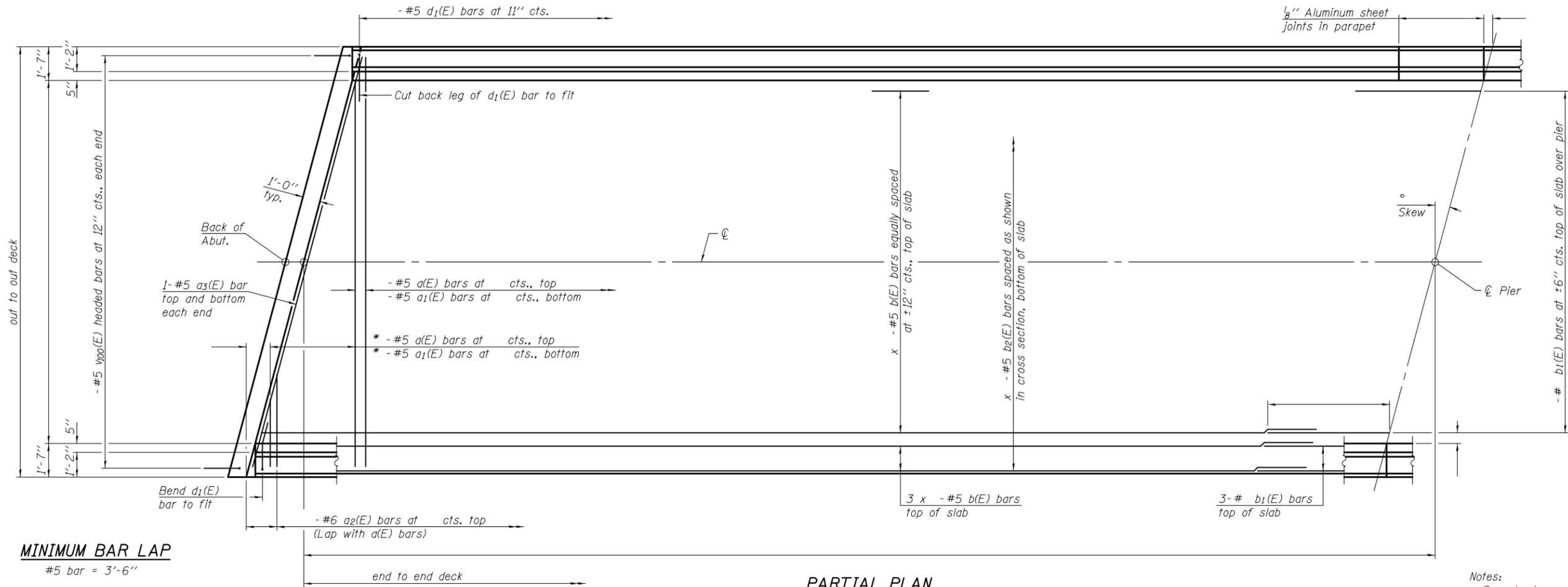
PARTIAL PLAN

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SI-IL2772N-2-L(>30°) 10-7-2016

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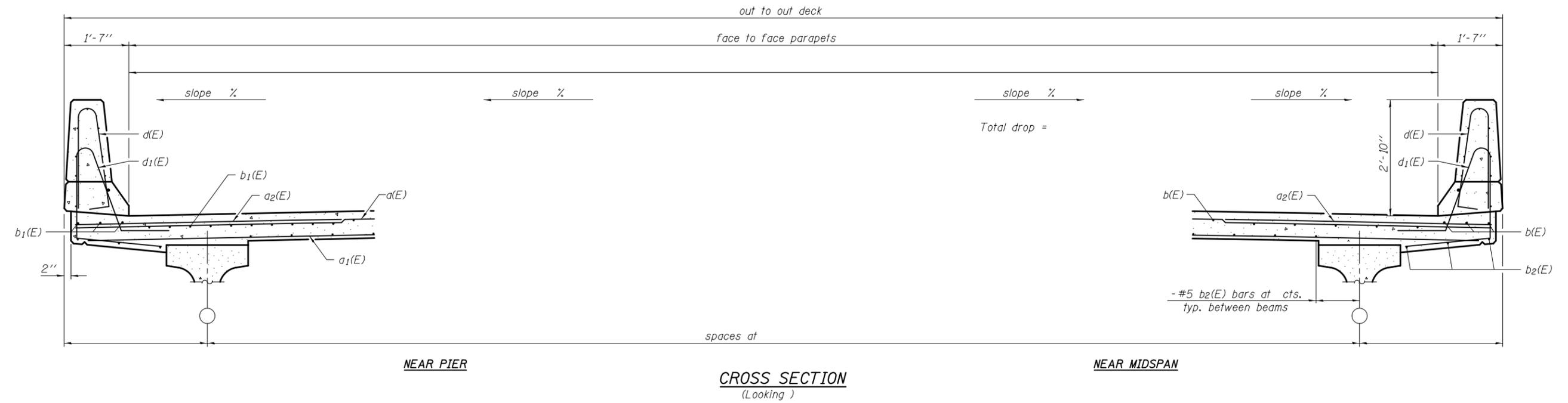


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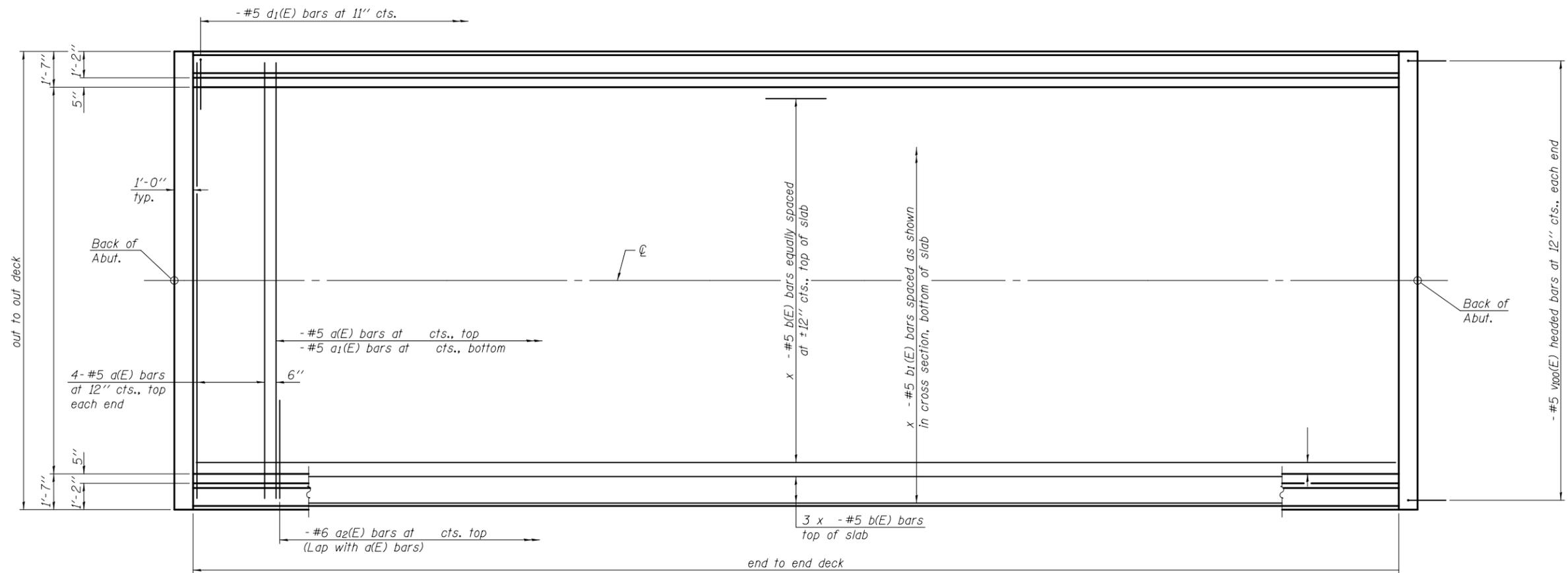
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SI-IL2772N-2-L(30°) 10-7-2016

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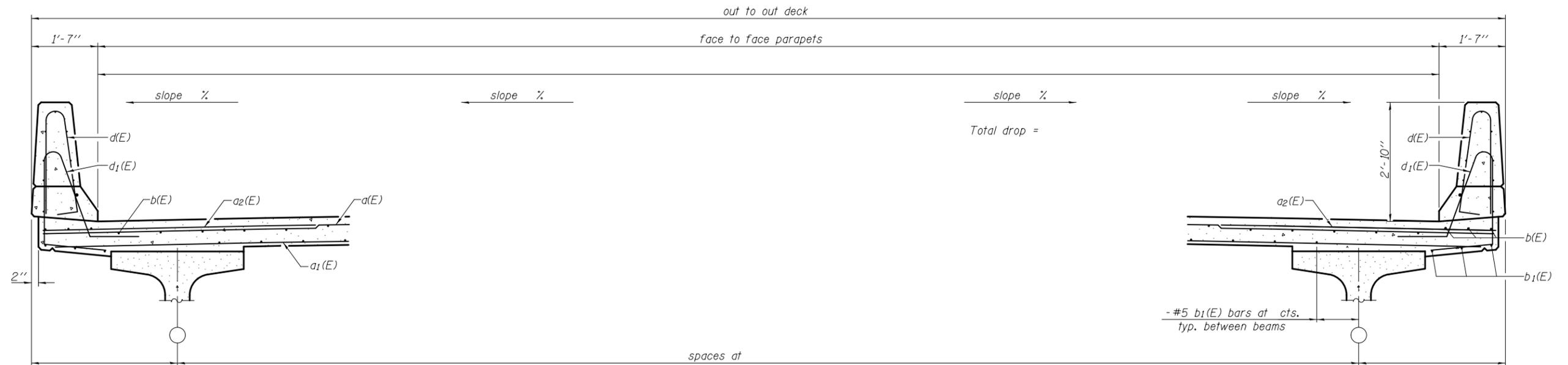


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CROSS SECTION

(Looking)

SI-IL3672-1-0

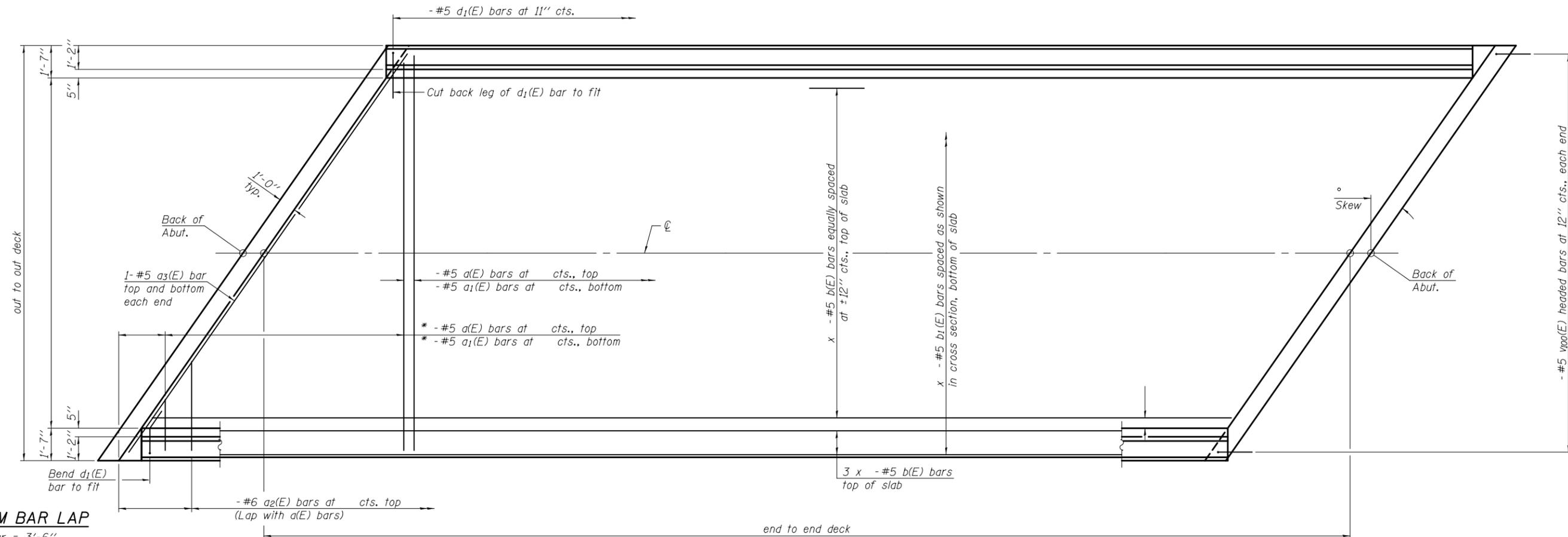
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**STATE OF ILLINOIS
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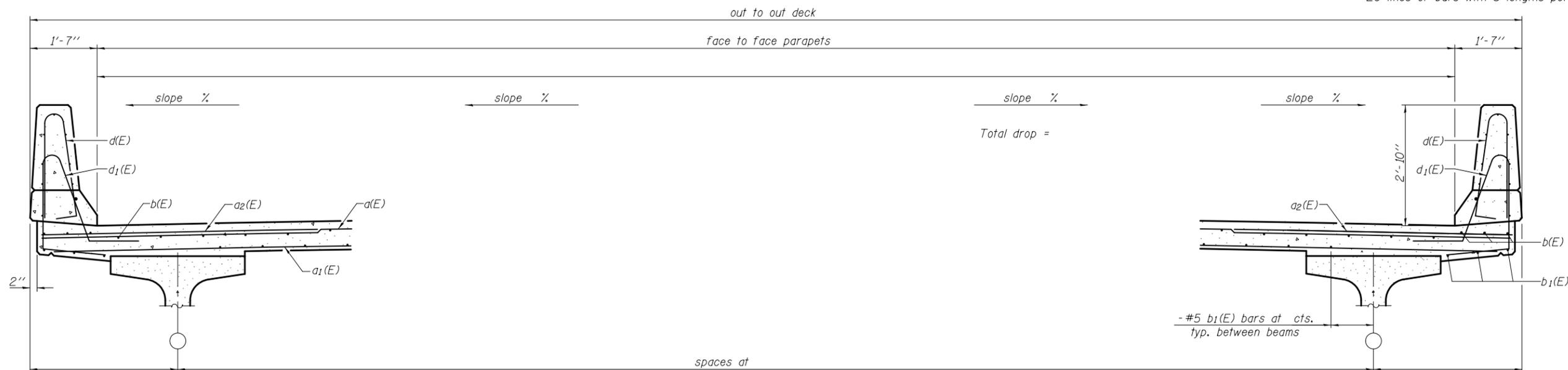
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CROSS SECTION

(Looking)

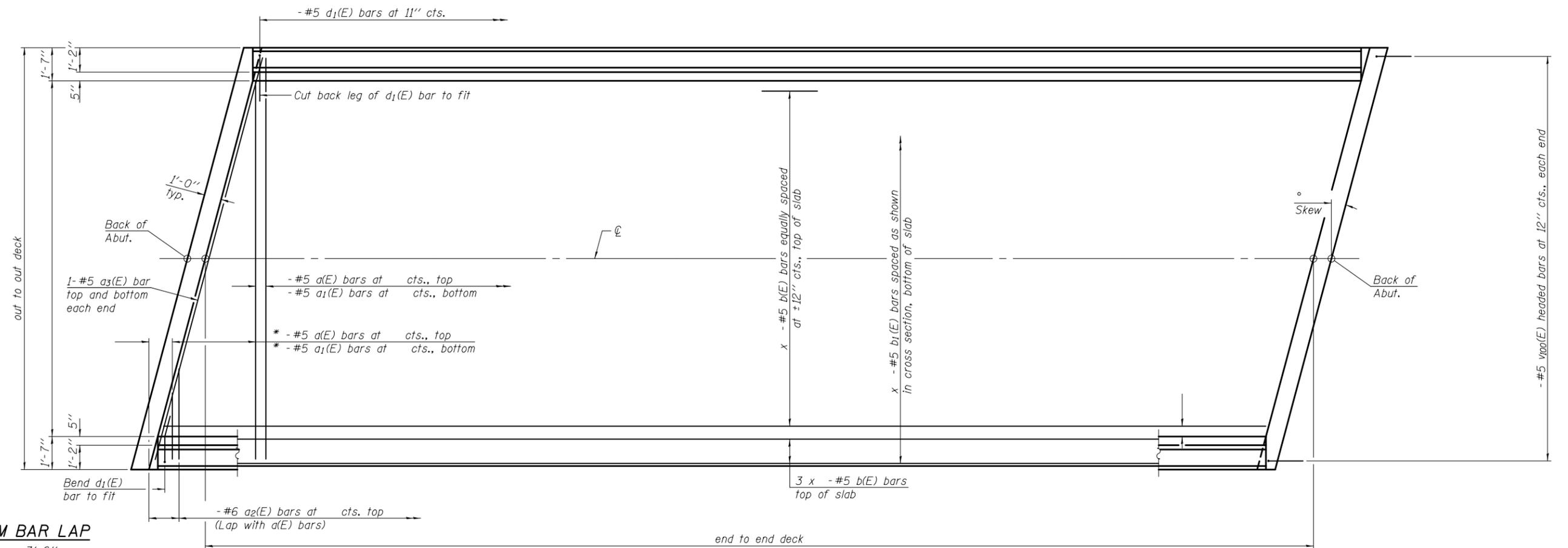
SI-IL3672-1-L(>30°) 10-7-2016

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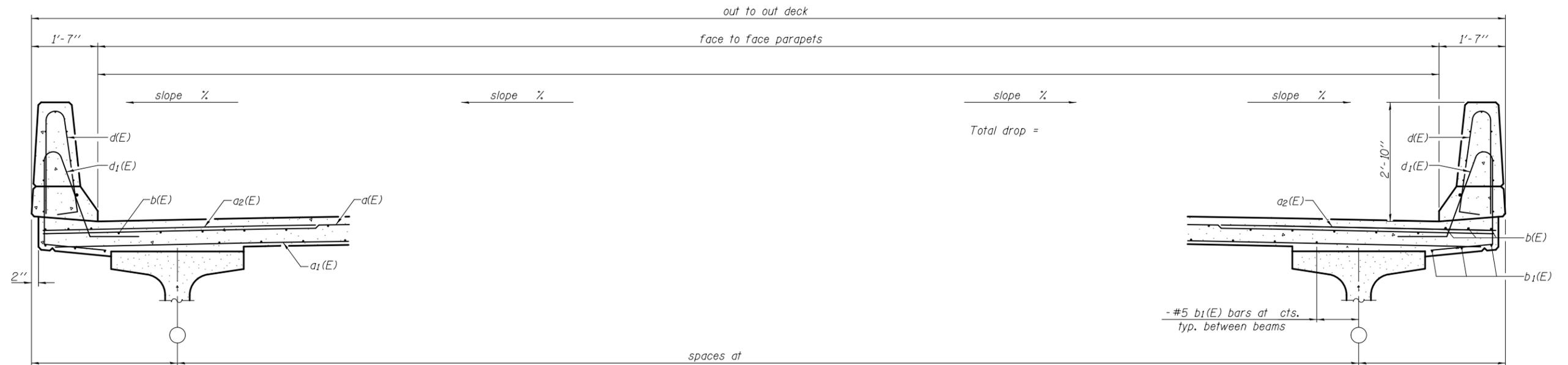
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SI-IL3672-1-L(30°) 10-7-2016

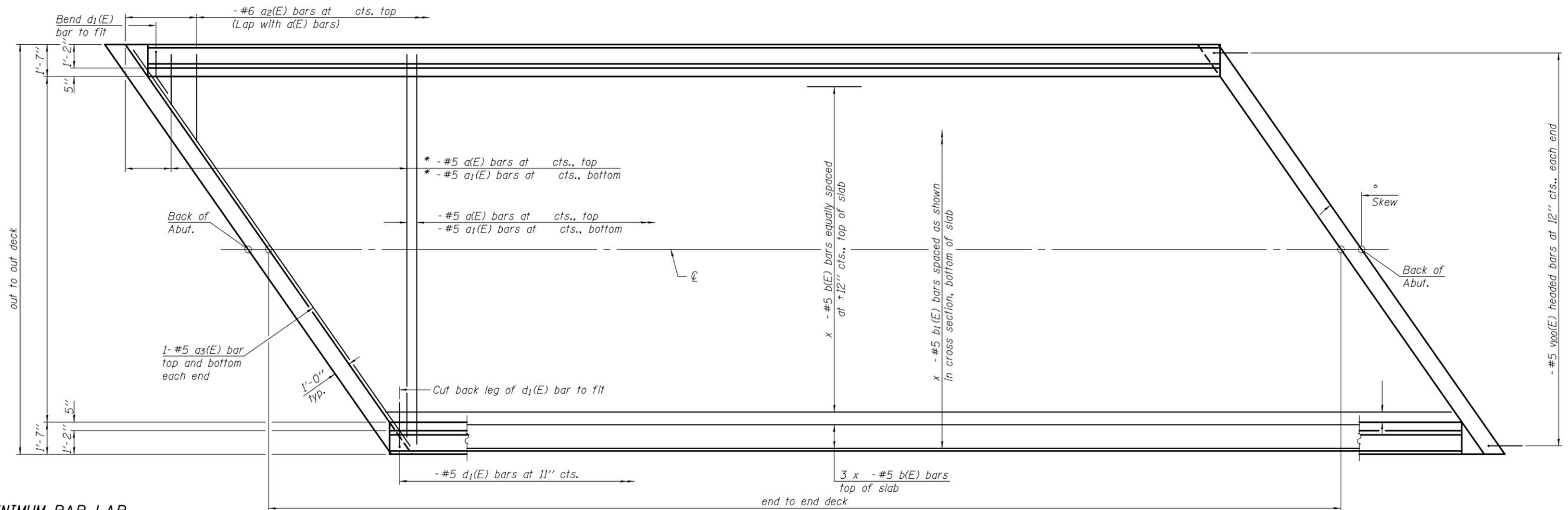
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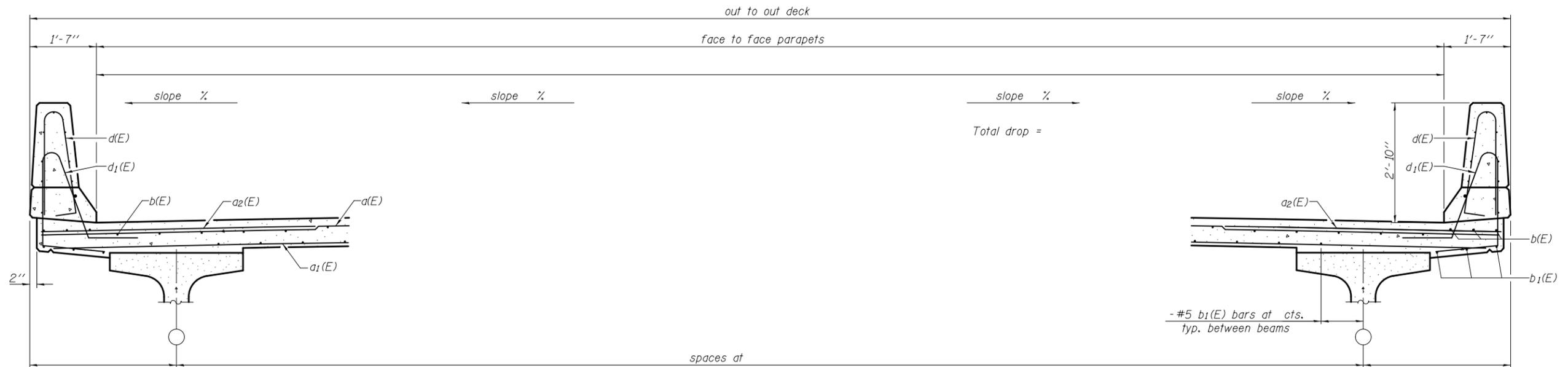
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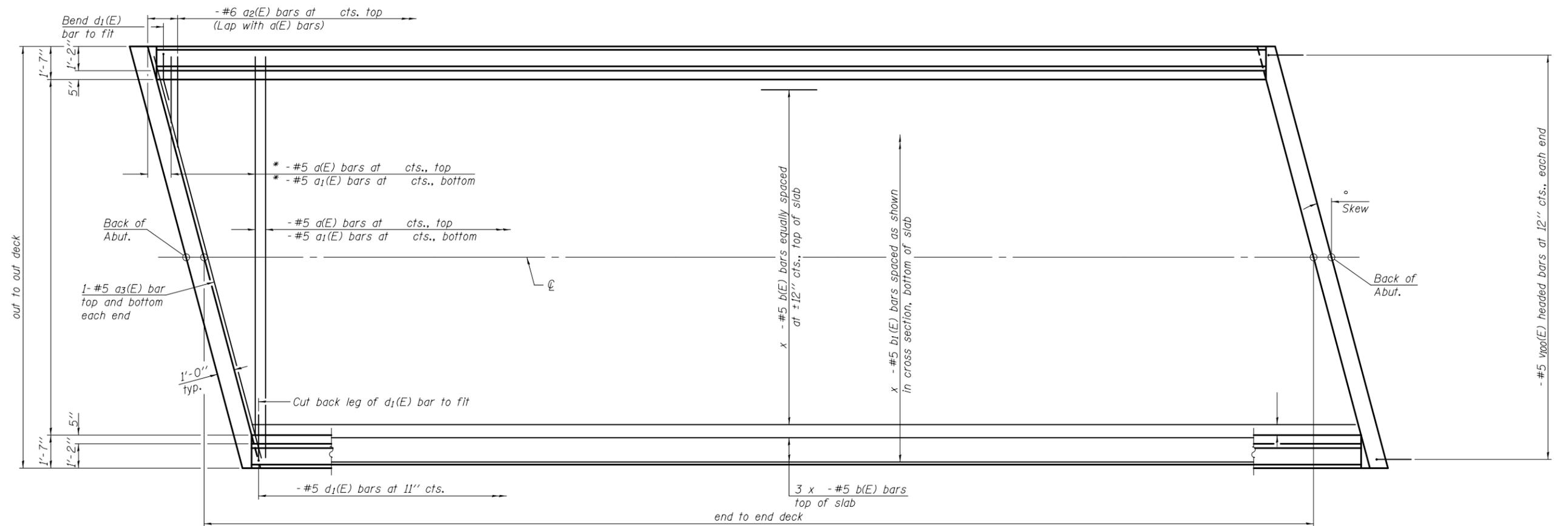
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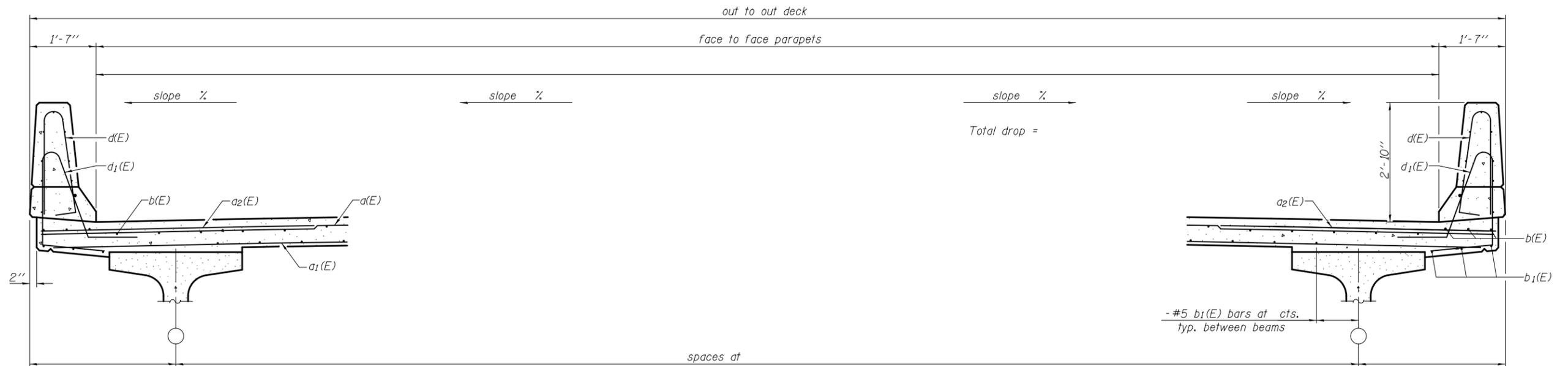
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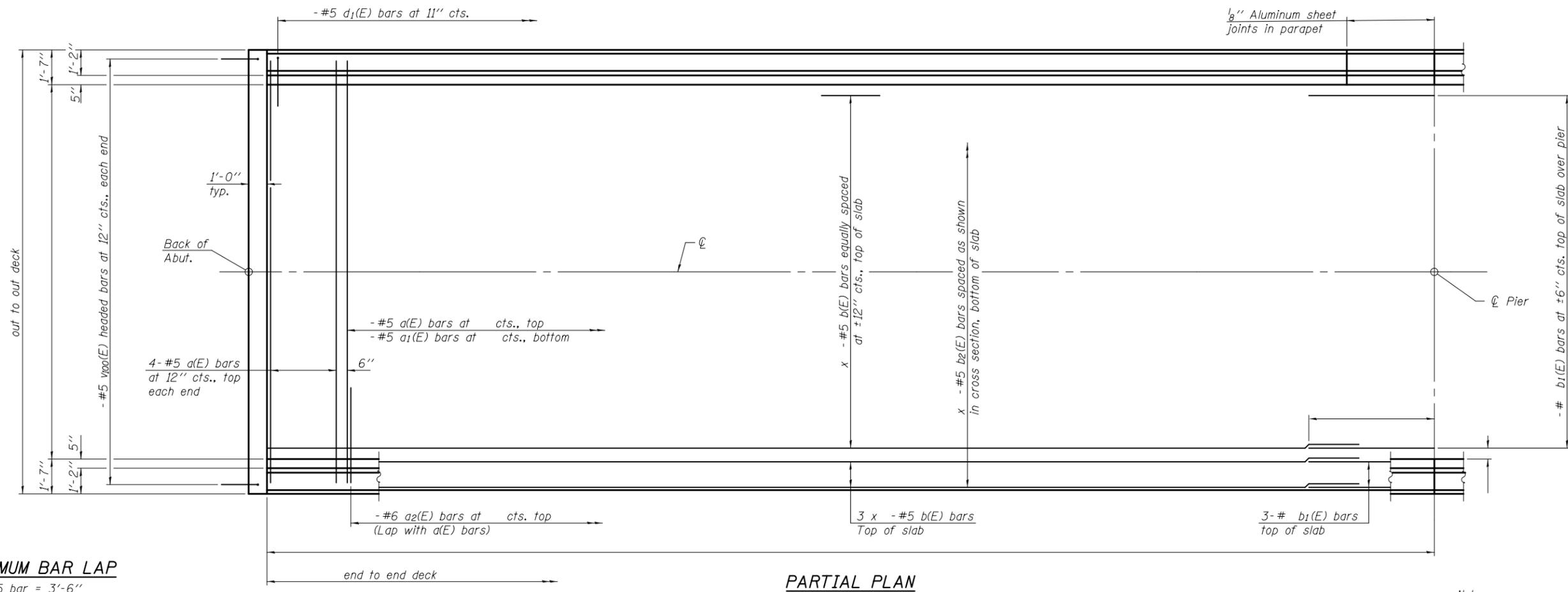
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SI-IL3672-1-R(30°) 10-7-2016

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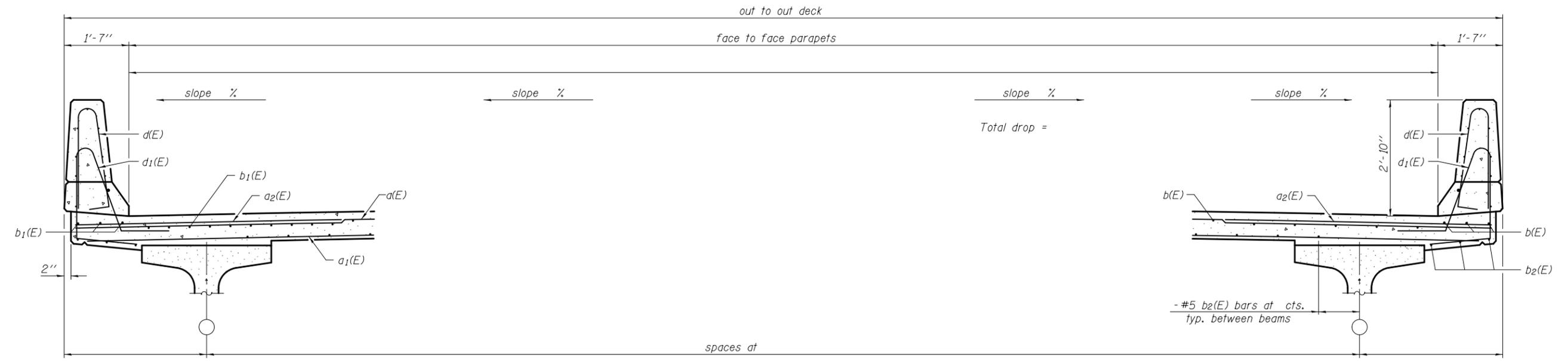


MINIMUM BAR LAP

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PARTIAL PLAN

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NEAR PIER

CROSS SECTION

(Looking)

NEAR MIDSPAN

SI-IL3672-2-0 10-7-2016

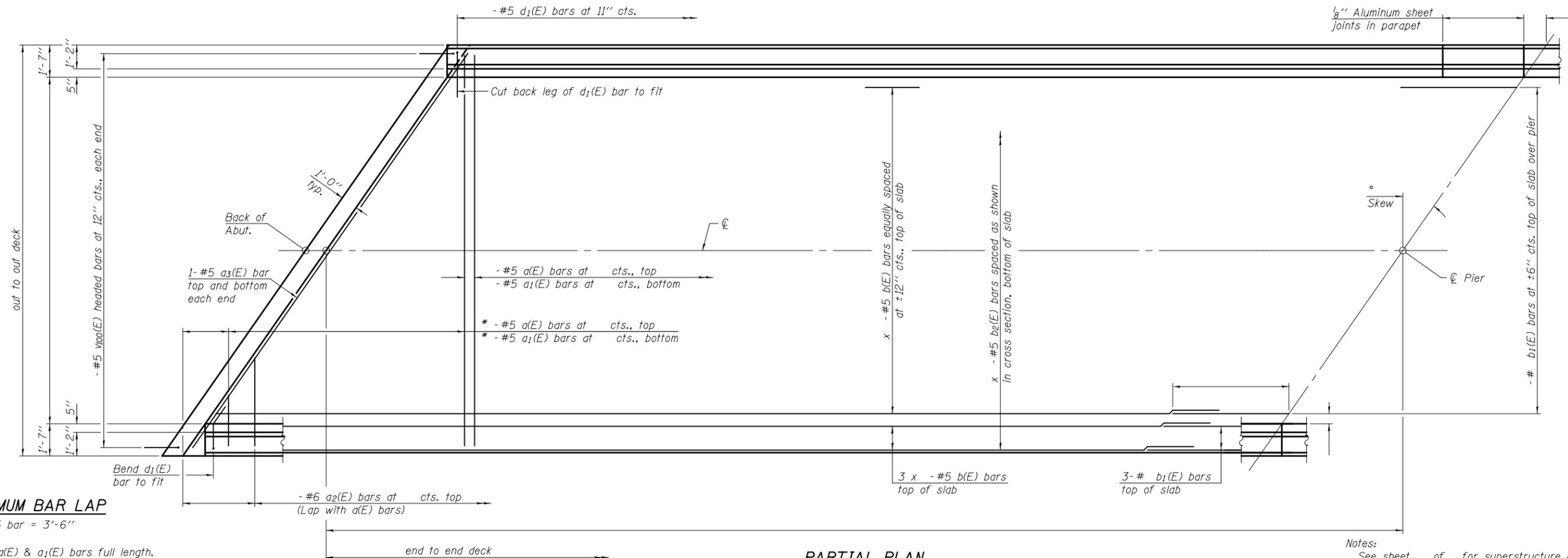
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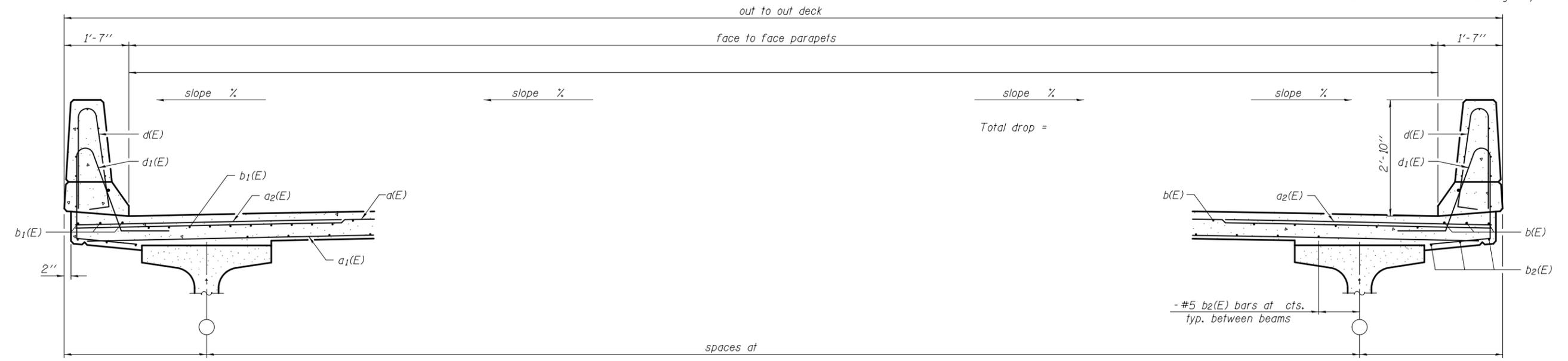
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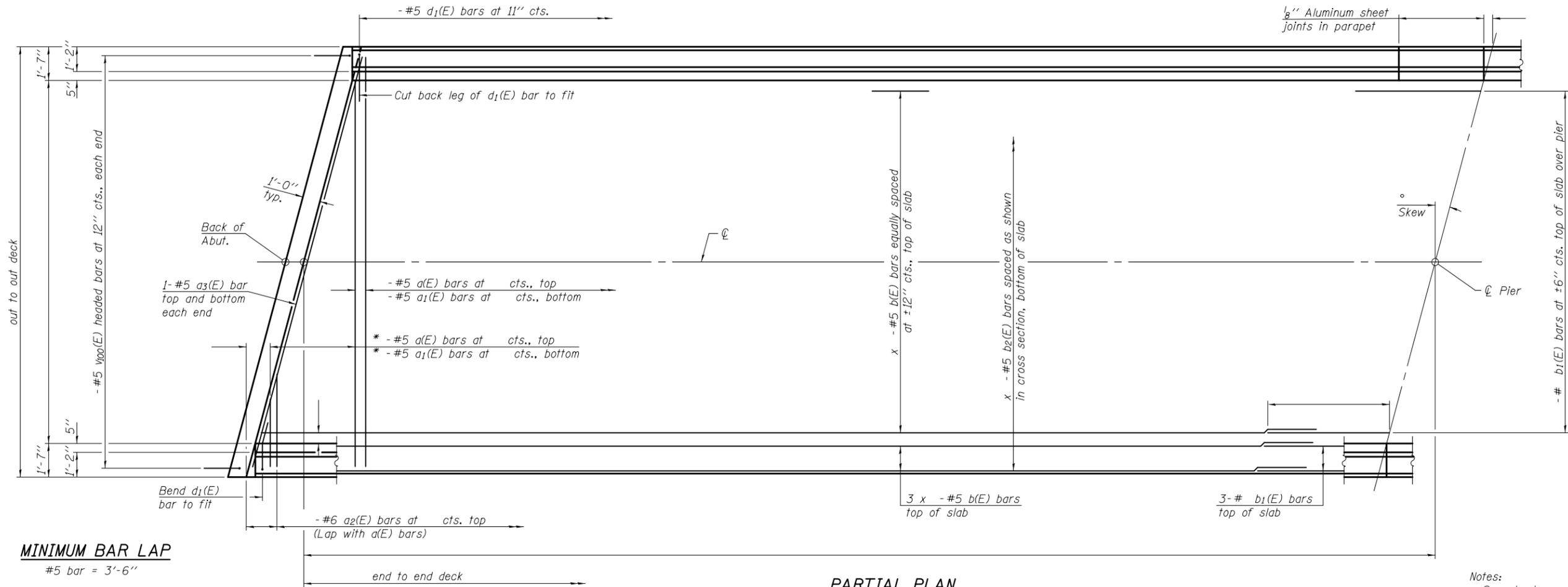
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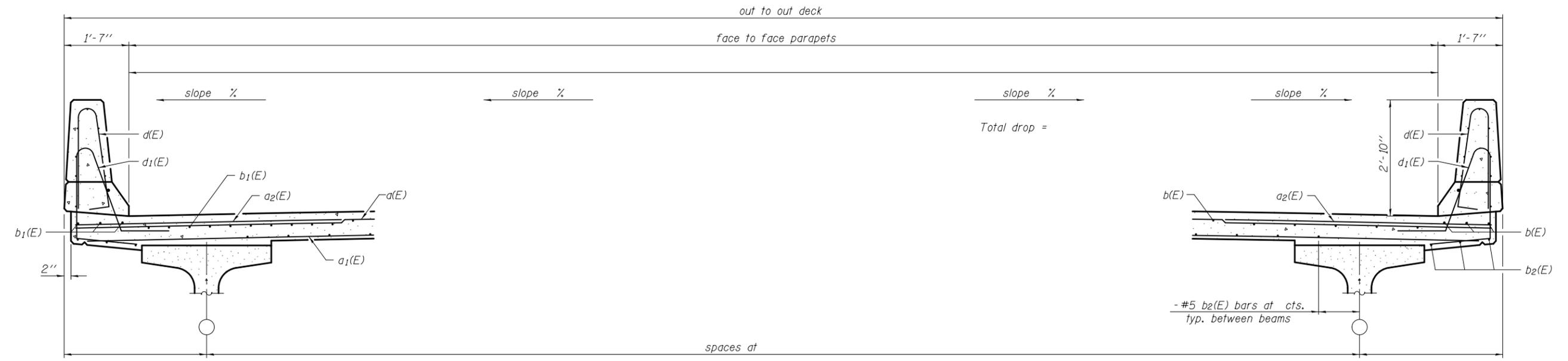


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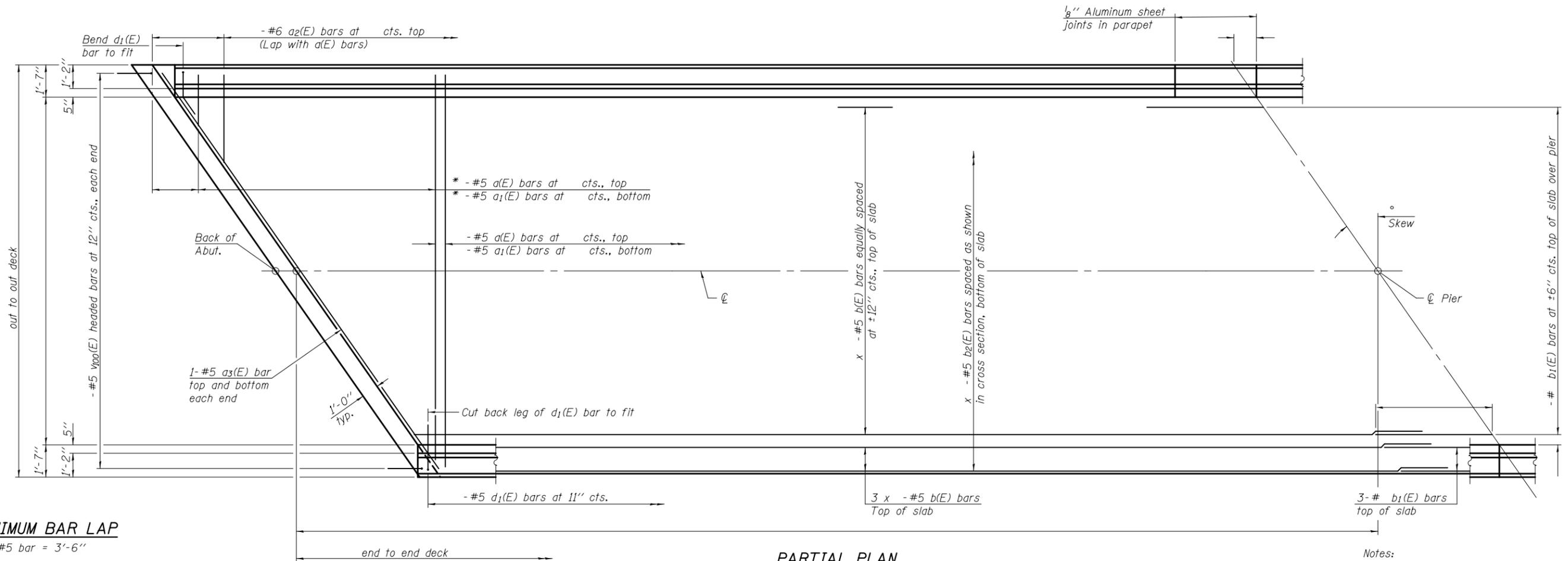
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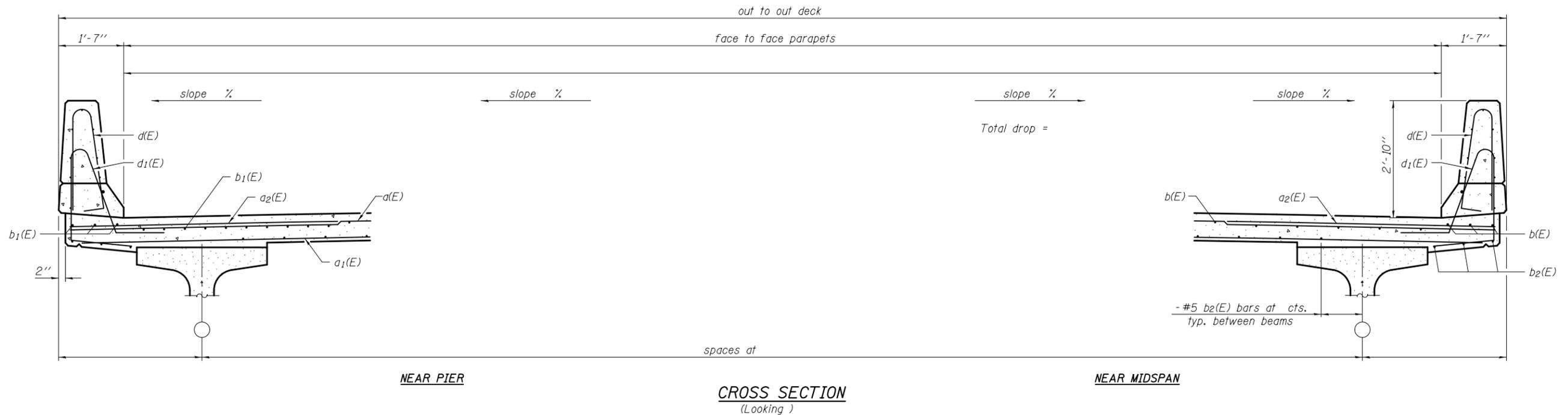
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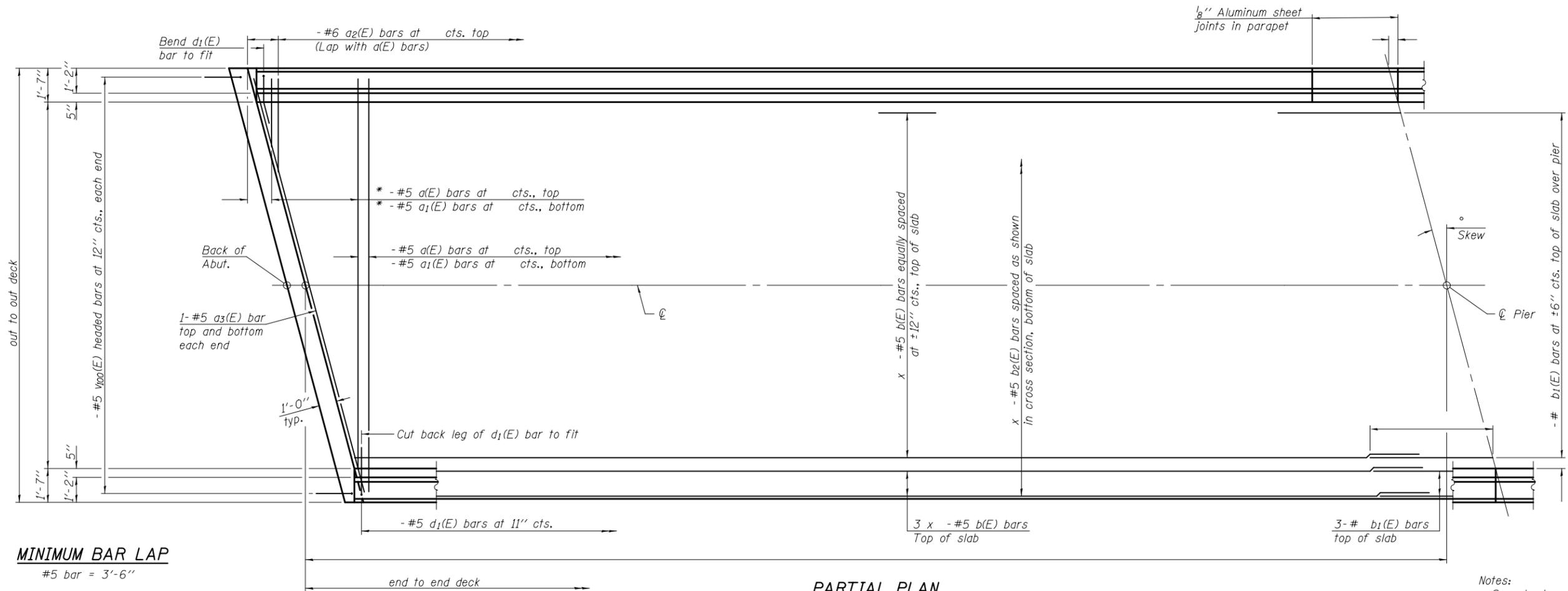
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



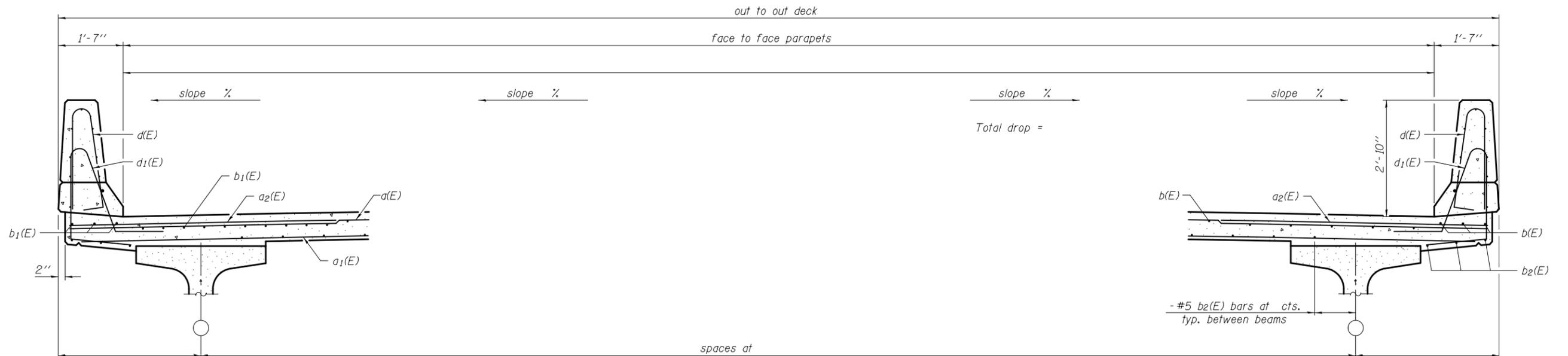
MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

PARTIAL PLAN

Notes:
See sheet of for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



NEAR PIER

CROSS SECTION
(Looking)

NEAR MIDSPAN

SI-IL3672-2-R(30°) 10-7-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				